



INTERNATIONAL AMATEUR RADIO UNION

REGION THREE

MONITORING SYSTEM NEWS LETTER



January 2015

Peter Young VK3MV

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

This month there were 855 observations of intruders made across the Region as compared to last month's number of 676.

OHR systems continue to be a problem on 10, 15 and 20 meters, despite repeated reports to regulatory authorities.

There are the usual intrusions RUS cw beacons stations 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
3500.0	1	2015	1	24	1900		F1B		500				CONTINUOUS	QG52xi	WIA
3532.0		2015	1	8	1850		A1A					E	E, REPEATED OVER & OVER		WIA
3545.0	5	2015	1	8	1850		G7DF						HF MANPACK	QG52xi	WIA
3585.0	3	2015	1	6	1905		J1C				JPN		FAX	QG52xi	WIA
3602	3.0	2015	01	09	11:44								music with no call	PM84UQ	JARL
3623.0	3	2015	1	1	1940		J1C				JPN		FAX	QG52xi	WIA
3633.0		2015	1	5	1935		A1A					E	E, REPEATED OVER & OVER	QG52xi	WIA
3700.0	150	2015	1	1	1940		P0N						OTHR, CONTINUOUS	QG52xi	WIA
3758	0.5	2015	01	24	13:01								repeat of "m8jf m8jf m8jf de ris9 ris9 v "	PM84UQ	JARL
3758	0.5	2015	01	25	10:50								repeat of "m8jf m8jf m8jf de ris9 ris9 v "	PM84UQ	JARL
3777.0		2015	1	6	1900		A1A				RUS	RIS9	CALLING M8JF	QG52xi	WIA
6930.0	150	2015	1	1	1940		P0N						OTHR, CONTINUOUS	QG52xi	WIA
7000.0	5	2015	1	16	2100		G7DF						HF MANPACK	QG52xi	WIA
7000.0	3	2015	1	1	0930		J3E/U				INS		DAILY, VILLAGE RADIO	QG52xi	WIA
7000		2015	01	DY	HX	HX	J3E/L				?	Unid	Non-Hams, mainly Spanish & Indonesian Languages - when OTHR is not on.	RF72LQ	NZART
7000		2015	01	DY	HX	HX	G7DE/F				?	Unid	HF Man Pack 1, 6 & 8 PSK	RF72LQ	NZART
7000		2015	01	27	<1830>	1830	P0N				?	Unid	OTHR Continuous spill-over from out of band operation to 7035	RF72LQ	NZART
7005.0	3	2015	1	1	0930		J3E/L				INS		DAILY, VILLAGE RADIO	QG52xi	WIA
7005.0	3	2015	1	2	1030		J3E/U				INS		DAILY, VILLAGE RADIO	QG52xi	WIA
7005		2015	01	01	<1920>	1920	P0N				?	Unid	OTHR Continuous spill-over from out of band operation	RF72LQ	NZART
7005	120	2015	01	11	<1838>	1838	P0N				?	Unid	OTHR Continuous spill-over from out of band operation	RF72LQ	NZART
7010.0	3	2015	1	1	1150		J3E/L				INS		DAILY, VILLAGE RADIO	QG52xi	WIA
7010.0	3	2015	1	1	1150		J3E/U				INS		DAILY, VILLAGE RADIO	QG52xi	WIA
7015.0	3	2015	1	1	1150		J3E/L				INS		DAILY, VILLAGE RADIO	QG52xi	WIA
7015.0	3	2015	1	5	0910		J3E/U				INS		DAILY, VILLAGE RADIO	QG52xi	WIA
7018.0	2	2015	1	7	1930		F1B		1000				CONTINUOUS	QG52xi	WIA
7018		2015	01	07	<1835>	1835	XXX				?	Unid	Unknown system.	RF72LQ	NZART
7019		2015	01	22	<0145-0205>		J3E/U				CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
7020.0	3	2015	1	1	0935		J3E/L				INS		DAILY, VILLAGE RADIO	QG52xi	WIA
7020.0	3	2015	1	2	1140		J3E/U				INS		DAILY, VILLAGE RADIO	QG52xi	WIA
7025.0	3	2015	1	1	1155		J3E/L				INS		DAILY, VILLAGE RADIO	QG52xi	WIA
7025.0	3	2015	1	7	0945		J3E/U				INS		DAILY, VILLAGE RADIO	QG52xi	WIA
7030.0	3	2015	1	1	0935		J3E/L				INS		DAILY, VILLAGE RADIO, SINGING	QG52xi	WIA
7035.0	3	2015	1	23	1005		J3E/L				INS		DAILY, VILLAGE RADIO, SINGING	QG52xi	WIA
7036		2015	01	22	<1920>	1920	F1B		200		RUS	Unid	RTTY Idling	RF72LQ	NZART
7038.3		2015	1	5	0905		A1A				RUS	K	DAILY, HARBOUR BEACON	QG52xi	WIA
7038.6		2015	1	1	1935		A1A				RUS	D	DAILY, HARBOUR BEACON	QG52xi	WIA
7039	0.5	2015	01	01	0710		A1A			37	RUS	K--	Beacon	PM 97	JARL

									signal			
7039	0.5	2015	01	01	0820	A1A	37	RUS	K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	02	0658	A1A	37	RUS	K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	03	0710	A1A	37	RUS	K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	03	1904	A1A	37	RUS	K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	04	0730	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	04	0734	A1A	15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	04	0900	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	04	0904	A1A	15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	05	0704	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	05	0706	A1A	37	RUS	K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	05	0840	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	05	1010	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	06	0702	A1A	37	RUS	K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	06	0904	A1A	37	RUS	K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	06	1210	A1A	37	RUS	K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	06	2106	A1A	37	RUS	K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	06	2108	A1A	15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	07	0710	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	07	0712	A1A	15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	07	0920	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	07	1002	A1A	37	RUS	K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	07	1102	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	07	1210	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	07	1620	A1A	321	RUS	K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	07	1622	A1A	37	RUS	K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	07	2050	A1A	37	RUS	K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	08	0702	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL

7039	0.5	2015	01	08	0706	A1A	15	RUS	M-- signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	08	0910	A1A	321	RUS	signal K--	Beacon	PM 97	JARL
7039	0.5	2015	01	08	0912	A1A	37	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	08	1204	A1A	321	RUS	signal M--	Beacon	PM 97	JARL
7039	0.5	2015	01	08	1206	A1A	15	RUS	signal K--	Beacon	PM 97	JARL
7039	0.5	2015	01	08	2040	A1A	37	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	09	0708	A1A	321	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	09	0920	A1A	321	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	09	1004	A1A	321	RUS	signal K--	Beacon	PM 97	JARL
7039	0.5	2015	01	09	2020	A1A	37	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	10	0830	A1A	321	RUS	signal M--	Beacon	PM 97	JARL
7039	0.5	2015	01	10	0834	A1A	15	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	10	1008	A1A	321	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	10	1210	A1A	321	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	10	2106	A1A	321	RUS	signal K--	Beacon	PM 97	JARL
7039	0.5	2015	01	10	2108	A1A	37	RUS	signal M--	Beacon	PM 97	JARL
7039	0.5	2015	01	10	2112	A1A	15	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	11	0702	A1A	321	RUS	signal M--	Beacon	PM 97	JARL
7039	0.5	2015	01	11	0704	A1A	15	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	11	0920	A1A	321	RUS	signal M--	Beacon	PM 97	JARL
7039	0.5	2015	01	11	0922	A1A	15	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	11	1206	A1A	321	RUS	signal K--	Beacon	PM 97	JARL
7039	0.5	2015	01	11	2018	A1A	37	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	11	2256	A1A	321	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	12	0630	A1A	321	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	12	0904	A1A	321	RUS	signal M--	Beacon	PM 97	JARL
7039	0.5	2015	01	12	0906	A1A	15	RUS	signal	Beacon	PM 97	JARL
7039	0.5	2015	01	12	1202	A1A	321	RUS	F--	Beacon	PM 97	JARL

7039	0.5	2015	01	12	1612	A1A	321	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	13	0704	A1A	321	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	13	0708	A1A	37	RUS	signal K--	Beacon	PM 97	JARL
7039	0.5	2015	01	13	0910	A1A	321	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	13	0912	A1A	37	RUS	signal K--	Beacon	PM 97	JARL
7039	0.5	2015	01	13	1620	A1A	321	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	13	2106	A1A	321	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	14	0710	A1A	321	RUS	signal M--	Beacon	PM 97	JARL
7039	0.5	2015	01	14	0714	A1A	15	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	14	0902	A1A	321	RUS	signal M--	Beacon	PM 97	JARL
7039	0.5	2015	01	14	0906	A1A	15	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	14	1602	A1A	321	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	14	2050	A1A	321	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	14	2254	A1A	321	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	15	0702	A1A	321	RUS	signal K--	Beacon	PM 97	JARL
7039	0.5	2015	01	15	0706	A1A	37	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	15	0930	A1A	321	RUS	signal K--	Beacon	PM 97	JARL
7039	0.5	2015	01	15	1202	A1A	37	RUS	signal K--	Beacon	PM 97	JARL
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7039	0.5	2015	01	16	0420	A1A	321	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	16	0704	A1A	321	RUS	signal K--	Beacon	PM 97	JARL
7039	0.5	2015	01	16	0706	A1A	37	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	16	0920	A1A	321	RUS	signal K--	Beacon	PM 97	JARL
7039	0.5	2015	01	16	0922	A1A	37	RUS	signal K--	Beacon	PM 97	JARL
7039	0.5	2015	01	16	2040	A1A	37	RUS	signal F--	Beacon	PM 97	JARL
7039	0.5	2015	01	16	2044	A1A	321	RUS	signal	Beacon	PM 97	JARL

7039	0.5	2015	01	17	0430	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	17	0810	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	17	1004	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	17	1006	A1A	15	RUS	M-- signal	Beacon	PM 97	JARL
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7039	0.5	2015	01	18	0420	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	18	0702	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	18	0704	A1A	37	RUS	K-- signal	Beacon	PM 97	JARL
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7039	0.5	2015	01	19	0916	A1A	37	RUS	K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	19	1220	A1A	37	RUS	K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	19	2130	A1A	37	RUS	K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	20	2104	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	20	2106	A1A	15	RUS	M-- signal	Beacon	PM 97	JARL
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7039	0.5	2015	01	21	0716	A1A	37	RUS	K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	21	0718	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	21	0920	A1A	37	RUS	K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	21	2110	A1A	37	RUS	K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	21	2114	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	22	0720	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL

7039	0.5	2015	01	22	0722	A1A	37	RUS	signal K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	22	0910	A1A	37	RUS	signal K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	22	2050	A1A	37	RUS	signal M-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	23	0912	A1A	15	RUS	signal F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	23	2108	A1A	321	RUS	signal M-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	23	2112	A1A	15	RUS	signal K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	24	0710	A1A	37	RUS	signal F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	24	0712	A1A	321	RUS	signal K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	24	0930	A1A	37	RUS	signal F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	24	0932	A1A	321	RUS	signal K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	24	1210	A1A	37	RUS	signal K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	24	2140	A1A	37	RUS	signal F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	25	0510	A1A	321	RUS	signal F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	25	0702	A1A	321	RUS	signal K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	25	0704	A1A	37	RUS	signal M-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	25	1020	A1A	15	RUS	signal M-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	25	1210	A1A	15	RUS	signal F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	25	2102	A1A	321	RUS	signal M-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	25	2106	A1A	15	RUS	signal F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	26	0412	A1A	321	RUS	signal F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	26	0720	A1A	321	RUS	signal M-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	26	0724	A1A	15	RUS	signal K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	26	1010	A1A	37	RUS	signal K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	26	1206	A1A	37	RUS	signal K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	26	1610	A1A	37	RUS	signal F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	26	2116	A1A	321	RUS	signal K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	26	2118	A1A	37	RUS	signal	Beacon	PM 97	JARL

7039	0.5	2015	01	27	0520	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	27	0708	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	27	1002	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	27	1004	A1A	15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	27	1208	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	27	2120	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	28	0530	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	28	0720	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	28	1010	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	28	2130	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	29	0830	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	29	1010	A1A	321	RUS	K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	29	1014	A1A	37	RUS	K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	29	1720	A1A	37	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	29	2204	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	30	0520	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	30	0810	A1A	321	RUS	K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	30	0812	A1A	37	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	30	1006	A1A	321	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	30	1204	A1A	15	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	30	2150	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	31	0506	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	31	0810	A1A	321	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	31	1010	A1A	321	RUS	K-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	31	1014	A1A	37	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	31	1202	A1A	15	RUS	M-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	31	1620	A1A	15	RUS	F-- signal	Beacon	PM 97	JARL
7039	0.5	2015	01	31	2154	A1A	321	RUS	F--	Beacon	PM 97	JARL

7039		2015	01	DY	<0330>	0330-2200	A1A			RUS	D	signal	CW Beacon	RF72LQ	NZART
7039		2015	01	DY	<0330>	0330-2200	A1A			RUS	M		CW Beacon	RF72LQ	NZART
7039		2015	01	DY	<0330>	0330-2200	A1A			RUS	F		CW Beacon QTH Vladivostok	RF72LQ	NZART
7039		2015	01	DY	<0330>	0330-2200	A1A			RUS	K		CW Beacon	RF72LQ	NZART
7039.2		2015	1	1	1935		A1A			RUS	F		DAILY, HARBOUR BEACON	QG52xi	WIA
7039.4		2015	1	1	0945		A1A			RUS	M		DAILY, HARBOUR BEACON	QG52xi	WIA
											F--				
7040	0.5	2015	01	06	0900		A1A	321	RUS	signal			Beacon	PM 97	JARL
7040	0.5	2015	01	02	12:19								train of " M "	PM84UQ	JARL
7040	0.5	2015	01	04	10:07								train of " F " , " M "	PM84UQ	JARL
7040	0.5	2015	01	05	11:59								train of " F " , " M "	PM84UQ	JARL
7040	0.5	2015	01	06	10:42								train of " F " , " K "	PM84UQ	JARL
7040	0.5	2015	01	07	10:47								train of " F " , " K "	PM84UQ	JARL
7040	0.5	2015	01	08	10:59								train of " F " , " K "	PM84UQ	JARL
7040	0.5	2015	01	09	11:50								train of " F " , " M "	PM84UQ	JARL
7040	0.5	2015	01	10	11:02								train of " F " , " K "	PM84UQ	JARL
7040	0.5	2015	01	14	07:52								train of " F " , " M " , " K "	PM84UQ	JARL
7040	0.5	2015	01	15	08:57								train of " M " , " K "	PM84UQ	JARL
7040	0.5	2015	01	16	11:41								train of " F " , " M "	PM84UQ	JARL
7040	0.5	2015	01	17	02:01								train of " F " , " M "	PM84UQ	JARL
7040	0.5	2015	01	20	10:26								train of " K " , " M "	PM84UQ	JARL
7040	0.5	2015	01	21	11:14								train of " K " , " M "	PM84UQ	JARL
7040	0.5	2015	01	24	13:05								train of " K " , " F "	PM84UQ	JARL
7040	0.5	2015	01	25	10:53								train of " M " , " K "	PM84UQ	JARL
7040	0.5	2015	01	28	12:53								train of " F " , " K "	PM84UQ	JARL
7060	3.3	2015	01	27	<1830>	1830	M7B		?	Unid			Military Multi chnl	RF72LQ	NZART
7068	3	2015	01	10	2100		F1B	non	non	non			now on air	PM 97	JARL
7068	3	2015	01	15	1842		F1B	non	non	non			now on air	PM 97	JARL
7070		2015	01	28	<0745>	0745	F7D		?	Unid			RTTY Idling	RF72LQ	NZART
7075	30	2015	01	11	<1840>	1840	P0N		?	Unid			OTHR Continuous 3 pps	RF72LQ	NZART
7085	175	2015	01	08	<2154>	2154	P0N		?	Unid			OTHR Continuous S9	RX68XL	NZART
7091.5		2015	1	1	1940		A1A		RUS	V			HARBOUR BEACON	QG52xi	WIA
7096.0	150	2015	1	25	1940		P0N						OTHR, CONTINUOUS, SLOW PULSE RATE	QG52xi	WIA
													OTHR S9	RE68XL	NZART
7096	164	2015	01	25	<2233>	2233	P0N		?	Unid			DAILY, VILLAGE RADIO	QG52xi	WIA
7100.0	3	2015	1	1	0935		J3E/L		INS				OTHR, CONTINUOUS, SLOW PULSE RATE	QG52xi	WIA
7100.0	150	2015	1	8	1850		P0N								
7110.0		2015	1	5	0925		A1A							QG52xi	WIA
													DAILY, MIXED NUMBER/LETTER CIPHER	QG52xi	WIA
7119.2		2015	1	16	1735		A1A						MIXED NUMBER/LETTER CIPHER	QG52xi	WIA
7120.0	40	2015	1	6	1905		VXX						CODAR	QG52xi	WIA
7160.0	40	2015	1	5	0930		VXX						CODAR	QG52xi	WIA
7170.0	3	2015	1	24	1950		J3E/U						DAILY, ASIAN	QG52xi	WIA

7175	30	2015	01	21	<1910>	1910	P0N		?	Unid	OTHR Continuous 3 pps	RF72LQ	NZART
7175	30	2015	01	23	<1840>	1840	P0N		?	Unid	OTHR Continuous 3 pps	RF72LQ	NZART
7175	30	2015	01	27	<1830>	1830	P0N		?	Unid	OTHR Continuous 3 pps	RF72LQ	NZART
7179.0	3	2015	1	5	1735		J3E/U				ASIAN	QG52xi	WIA
7180.0	3	2015	1	5	0930		J3E/U				ASIAN	QG52xi	WIA
7180		2015	01	11	<1830>	1830	F1B	200	RUS	Unid	RTTY Idling	RF72LQ	NZART
7185.8	8	2015	1	24	1435		A3E		BUR		RADIO MYANMAR	QG52xi	WIA
7190.0	3	2015	1	1	0950		J3E/U				DAILY, ASIAN	QG52xi	WIA
7191.0	5	2015	1	16	2100		G7D				12 SUBCARRIERS ON 150 HZ INTERVALS	QG52xi	WIA
7191.0	3	2015	1	16	2100		J3E/U				ASIAN	QG52xi	WIA
7197.0	5	2015	1	1	0950		G1D				BROAD PSK	QG52xi	WIA
7200.0	8	2015	1	1	0945		A3E				SW BROADCAST	QG52xi	WIA
7212	37	2015	01	26	<1933>	1933	P0N		?	Unid	OTHR Continuous S4	RE68XL	NZART
7247.5	142	2015	01	09	<2138>	2138	P0N		?	Und	OTHR S9	RE68XL	NZART
10120.0	20	2015	1	15	0355		VXX				PRECURSOR TO OTHR	QG52xi	WIA
10130.0	20	2015	1	16	0320		VXX				PRECURSOR TO OTHR	QG52xi	WIA
13990.0	100	2015	1	9	0725		P0N				SHORT BURST	QG52xi	WIA
13999.0	5	2015	1	29	0945		G7D				8 SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA
14000.0	5	2015	1	22	0900		G7D				DOZENS OF SUBCARRIERS ON 200 HZ INTERVALS	QG52xi	WIA
14000.0	5	2015	1	10	0815		G7DF				MANPACK RADIO	QG52xi	WIA
14000.0	3	2015	1	4	0900		J3E/U		PHL		DAILY, TAGALOG	QG52xi	WIA
14000		2015	01	20	<0335-0345>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
14000		2015	01	DY	HX	HX	G7DE/F		?	Unid	HF Man Pack 1, 6 & 8 PSK	RF72LQ	NZART
14000	30	2015	01	14	<0735>	0735-0742	P0N		?	Unid	OTHR 15k in band. 14000 centre freq. Continuous 100 pps	RF72LQ	NZART
14002.0	3	2015	1	5	0850		J3E/U		PHL		TAGALOG	QG52xi	WIA
14005.0	5	2015	1	22	0810		G7DF				MANPACK RADIO	QG52xi	WIA
14005.0	20	2015	1	11	0850		P0N				OTHR	QG52xi	WIA
14005.0		2015	1	9	0315		A1A				MIXED NUMBER/LETTER CIPHER	QG52xi	WIA
14008.0	3	2015	1	26	1955		J3E/U				ASIAN	QG52xi	WIA
14008.6	2	2015	1	4	0845		J3E/L				DAILY, ASIAN FAMILY NET	QG52xi	WIA
14010.0	5	2015	1	23	0535		G7DF				MANPACK RADIO	QG52xi	WIA
14010.0	20	2015	1	16	0640		P0N				OTHR, CONTINUOUS	QG52xi	WIA
14010		2015	01	10	<0200-0215>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
14010.9	2	2015	1	11	0855		J3E/L				DAILY, ASIAN FAMILY NET	QG52xi	WIA
14014		2015	01	14	<0315-0325>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
14014		2015	01	18	<0255-0315>		J3E/U		CLN	UNID	SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
14015.0	5	2015	1	22	1000		G7DF				MANPACK RADIO	QG52xi	WIA
14020.0	5	2015	1	22	0945		G7DF				MANPACK RADIO	QG52xi	WIA

14020.0	3	2015	1	22	0940	J3E/U				ASIAN	QG52xi	WIA
14024		2015	01	14	<0300-0315>	J3E/U	CLN	UNID		SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
14024.1	3	2015	1	20	0905	J3E/U				ASIAN	QG52xi	WIA
14025.0	5	2015	1	23	0610	G7DF				MANPACK RADIO	QG52xi	WIA
14025.0	1	2015	1	26	1950	F1B	880			CONTINUOUS	QG52xi	WIA
14025.5	3	2015	1	4	0850	J3E/U				DAILY, ASIAN	QG52xi	WIA
14030.0	5	2015	1	30	0220	G7DF				MANPACK RADIO	QG52xi	WIA
14030.0	20	2015	1	12	0805	P0N				OTHR	QG52xi	WIA
14030.0	1	2015	1	9	0600	F1B				SELCALL TONES	QG52xi	WIA
14035.0	5	2015	1	23	0620	G7DF				MANPACK RADIO	QG52xi	WIA
14035		2015	01	18	<0255-0315>	J3E/U	CLN	UNID		SRI LANKAN FISHING TRAWLERS IN SINHALA LANGUAGE ONLY – 2 OM	MK82	ARSI
14036.5	3	2015	1	12	0700	J3E/U				ASIAN, SOUNDS TAGALOG	QG52xi	WIA
14039.0	1	22015	1	18	0805	F1B				SELCALL TONES	QG52xi	WIA
14040.0	5	2015	1	12	0605	G7DF				MANPACK RADIO	QG52xi	WIA
14040.0	3	2015	1	29	0730	J3E/L				ASIAN	QG52xi	WIA
14042.8	3	2015	1	5	0850	J3E/U				ASIAN, SOUNDS CHINESE	QG52xi	WIA
14045.0	5	2015	1	30	0750	G7DF				MANPACK RADIO	QG52xi	WIA
14045.0	1	2015	1	3	2300	F1B	300			BURSTS	QG52xi	WIA
14045.2	3	2015	1	6	0640	J3E/U				ASIAN	QG52xi	WIA
14048.0	3	2015	1	7	0715	J3E/U		PHL		DAILY, TAGALOG SPEAKERS	QG52xi	WIA
14049.5	3	2015	1	28	0235	J3E/U				ASIAN	QG52xi	WIA
14050.0	3	2015	1	17	2330	J3E/U		PHL		TAGALOG	QG52xi	WIA
14050.0	10	2015	1	17	0855	P0N				OTHR, BURSTS	QG52xi	WIA
14050.0	5	2015	1	12	0635	G7DF				MANPACK RADIO	QG52xi	WIA
14050.0	1	2015	1	5	0930	F1B	250			CONTINUOUS	QG52xi	WIA
14052.1	3	2015	1	29	1005	J3E/U				CHINESE, READING LISTS	QG52xi	WIA
14055.0	5	2015	1	12	0525	G7DF				MANPACK RADIO	QG52xi	WIA
14055.0	10	2015	1	27	0955	P0N				OTHR	QG52xi	WIA
14060.0	20	2015	1	11	0810	P0N				SLOW PULSE RATE	QG52xi	WIA
14060.0	5	2015	1	10	0810	G7DF				MANPACK RADIO	QG52xi	WIA
14064.7	3	2015	1	17	0850	J3E/U				DAILY, ASIAN	QG52xi	WIA
14065.0	5	2015	1	10	0850	G7DF				MANPACK RADIO	QG52xi	WIA
14070.0	5	2015	1	23	0635	G7DF				MANPACK RADIO	QG52xi	WIA
14070.0	20	2015	1	12	0705	P0N						
										TRYING DIFFERENT PULSE RATES	QG52xi	WIA
14071.1	3	2015	1	22	0635	J3E/U				ASIAN	QG52xi	WIA
14075.0	5	2015	1	23	0655	G7DF				MANPACK RADIO	QG52xi	WIA
14084.0		2015	1	15	0810	A1A				LETTER CIPHER, SOME NON-ENGLISH CHARACTERS	QG52xi	WIA
14090.0	20	2015	1	31	0820	P0N				BURSTS	QG52xi	WIA
14095.0	5	2015	1	23	0800	G7DF				MANPACK RADIO	QG52xi	WIA
14100.0	3	2015	1	1	1150	J3E/L				ASIAN	QG52xi	WIA
14100.0	200	2015	1	5	0225	P0N				OTHR, BURSTS	QG52xi	WIA
14101		2015	01	14	<0300-	J3E/U	CHN	UNID		CHINESE DIALECT SPEAKING 2- OM	MK82	ARSI

[illegible]

[illegible]

21010.0	20	2015	1	15	0315		P0N				OTHR, BURSTS	QG52xi	WIA
21010	20	2015	01	26	<0707>	0707	P0N		?	Unid	OTHR Continuous 60 pps	RF72LQ	NZART
21020.0	50	2015	1	26	2325		P0N				OTHR, SLOW PULSE RATE	QG52xi	WIA
21020.0	5	2015	1	20	0220		G7DF				MANPACK RADIO	QG52xi	WIA
21027.5	3	2015	1	1	1015		J3E/U				ASIAN	QG52xi	WIA
21030.0	20	2015	1	17	0345		P0N				BURSTS	QG52xi	WIA
21030.0	5	2015	1	12	2230		G7DF				HF MANPACK	QG52xi	WIA
21030		2015	01	31	<0431>	0431	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART
21035.0	5	2015	1	15	0055		G7DF				HF MANPACK	QG52xi	WIA
21038	10	2015	01	03	<0300>	0300	P0N		?	Unid	OTHR started at 0300. 3.8 every 30 secs 70 pps	RF72LQ	NZART
21040.0	20	2015	1	16	0850		P0N				OTHR, BURSTS	QG52xi	WIA
21040.0	5	2015	1	12	2230		G7DF				HF MANPACK	QG52xi	WIA
21045.0	5	2015	1	15	0050		G7DF				HF MANPACK	QG52xi	WIA
21050.0	5	2015	1	4	0920		G7DF				HF MANPACK	QG52xi	WIA
21050.0	20	2015	1	21	0920		P0N				OTHR, BURSTS	QG52xi	WIA
21050.0	20	2015	1	5	0435		P0N				OTHR, CONTINUOUS	QG52xi	WIA
21055.0	5	2015	1	14	2315		G7DF				HF MANPACK	QG52xi	WIA
21059		2015	01	10	<0637>	0637	G7DF	330	?	Unid	HF Man Pack 8-PSK S3	RF73MF	NZART
21060.0	5	2015	1	11	0745		G7DF				HF MANPACK	QG52xi	WIA
21065.0	5	2015	1	11	2330		G7DF				HF MANPACK	QG52xi	WIA
21089		2015	01	10	<0636>	0636	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART
21095.0	5	2015	1	16	0945		G7DF				HF MANPACK	QG52xi	WIA
21100		2015	01	30	<0431>	0431	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART
21102.2	3	2015	1	16	0025		J3E/U				DAILY, ASIAN	QG52xi	WIA
21106.5	3	2015	1	16	0020		J3E/U				ASIAN	QG52xi	WIA
21110.0	80	2015	1	12	0100		P0N				OTHR, BURSTS	QG52xi	WIA
21133.0	3	2015	1	16	0945		G1D				BURSTS	QG52xi	WIA
21138	10	2015	01	03	<0135>	0135	P0N		?	Unid	OTHR 3.8 every 30 secs 70 pps	RF72LQ	NZART
21146	10	2015	01	03	<\0300>	0300	P0N		?	Unid	OTHR starts at 0300 3.8 every 30 secs 70 pps	RF72LQ	NZART
21190	20	2015	01	17	<0417>	0417	P0N	330	CYP	Unid	OTHR Continuous S8 Cyprus50 pps 20 kHz bandwidth	RF73MF	NZART
21199.0	5	2015	1	23	0810		G7D				15 SUBCARRIERS ON 125 HZ INTERVALS	QG52xi	WIA
21200.0	3	2015	1	5	0845		F1B				BURSTS	QG52xi	WIA
21205	10	2015	01	26	<0540>	0540	P0N		?	Unid	OTHR 1.4 every 30 secs 60 pps	RF72LQ	NZART
21208	10	2015	01	DY	HX	HX	P0N		?	Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART
21210.0	20	2015	1	6	0840		P0N				OTHR, SHORT BURSTS	QG52xi	WIA
21210	10	2015	01	21	<0545>	0545	P0N		?	Unid	OTHR 1.5 every 30 secs 50 pps	RF72LQ	NZART
21215	10	2015	01	DY	HX	HX	P0N		?	Unid	OTHR HFSWR 18 secs on 7 pps	RF72LQ	NZART
21217	10	2015	01	DY	HX	HX	P0N		?	Unid	OTHR HFSWR 18 secs on 7 pps	RF72LQ	NZART
21220.0	20	2015	1	6	0145		VXX				PRECURSOR TO OTHR	QG52xi	WIA
21222	10	2015	01	DY	HX	HX	P0N		?	Unid	OTHR HFSWR 18 secs on 7 pps	RF72LQ	NZART
21225	10	2015	01	DY	HX	HX	P0N		?	Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART

21227	10	2015	01	DY	HX	HX	P0N		?	Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART
21230.0	20	2015	1	22	0600		VXX				PRECURSOR TO OTHR	QG52xi	WIA
21230	10	2015	01	DY	HX	HX	P0N		?	Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART
21231.5		2015	01	10	<0645>	0645	P0N	330	?	Unid	OTHR 18 seconds long with pip S3	RF73MF	NZART
21232	10	2015	01	DY	HX	HX	P0N		?	Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART
21233	10	2015	01	DY	HX	HX	P0N		?	Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART
21235	10	2015	01	10	<0639>	0639-0639.22	P0N	330	?	Unid	OTHR 18 seconds long with pip S3	RF73MF	NZART
21235	10	2015	01	DY	HX	HX	P0N		?	Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART
21235		2015	01	31	<2320>	2320	G7DF		?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART
21240.0	100	2015	1	21	0315		P0N				OTHR, SLOW PULSE RATE	QG52xi	WIA
21240	10	2015	01	DY	HX	HX	P0N		?	Unid	OTHR HFSWR 18 secs on 7 pps	RF72LQ	NZART
21248	10	2015	01	DY	HX	HX	P0N		?	Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART
21250	10	2015	01	DY	HX	HX	P0N		?	Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART
21255	10	2015	01	DY	HX	HX	P0N		?	Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART
21257	10	2015	01	DY	HX	HX	P0N		?	Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART
21260	10	2015	01	15	<0415>	0415	P0N		?	Unid	OTHR 3.8 every 30 secs 70 pps	RF72LQ	NZART
21265	10	2015	01	DY	HX	HX	P0N		?	Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART
21270.0	20	2015	1	15	0325		P0N				OTHR, SHORT BURSTS	QG52xi	WIA
21270	10	2015	01	31	<0125>	0125	P0N		?	Unid	OTHR 2x2 at 1.8 secs every 30 secs (2 secs between) 40 pps	RF72LQ	NZART
21272	10	2015	01	DY	HX	HX	P0N		?	Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART
21275.0	20	2015	1	31	2355		P0N				OTHR, SHORT BURSTS	QG52xi	WIA
21275.0	5	2015	1	18	0315		G7DF				HF MANPACK	QG52xi	WIA
21275	10	2015	01	22	<0640>	0640-0705	P0N		?	Unid	OTHR 1.8 at variable times (around 10 secs) 40 pps	RF72LQ	NZART
21275	10	2015	01	26	<0215>	0215	P0N		?	Unid	OTHR 1.4 @ variable times (3 bursts around 30 secs) 50 pps	RF72LQ	NZART
21275	10	2015	01	DY	HX	HX	P0N		?	Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART
21280	160	2015	01	24	<0043>	0043-0049\	P0N		?	Unid	OTHR Continuous 10 pps Closed @ 0049	RF72LQ	NZART
21287	10	2015	01	03	<0315>	0315	P0N		?	Unid	OTHR 3.8 every 30 secs 70 pps	RF72LQ	NZART
21287		2015	01	10	<0635>	0635	G7DF	330	?	Unid	HF Man pack 8-PSK S1	RF73MF	NZART
21290	10	2015	01	14	<0110>	0110-0127\	P0N		?	Unid	OTHR 1.9 every 30 secs 40/80 pps	RF72LQ	NZART
21290	10	2015	01	DY	HX	HX	P0N		?	Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART
21292	10	2015	01	31	<0455>	0455-0645	P0N		?	Unid	OTHR .5 every 10 secs 40 pps	RF72LQ	NZART
21293	10	2015	01	01	<0005>	0005	P0N		?	Unid	OTHR 2 secs every 20 secs 70 pps	RF72LQ	NZART
21295	10	2015	01	09	<2220>	2220-2330	P0N		?	Unid	OTHR 1.5 secs every variable time 50 pps	RF72LQ	NZART
21295	10	2015	01	10	<0001>	0001	P0N		?	Unid	OTHR 1.5 secs every variable time 50 pps	RF72LQ	NZART
21295	10	2015	01	16	<0635>	0635	P0N		?	Unid	OTHR 1.5 x 4 @ variable times, usually 30 secs, 40 pps	RF72LQ	NZART
21295	9.7	2015	01	31	<0421>	0425	P0N	330	?	AUS	OTHR with pip rates 33 pps/2.8 secs and 50 pps/1.3 secs S3	RF73MF	NZART

21295	10	2015	01	31	<0505>	0505	P0N		?	Unid	OTHR 2 & 1.3 (1 sec between) every 30 secs 40 pps	RF72LQ	NZART
21296	10	2015	01	DY	HX	HX	P0N		?	Unid	OTHR HFSWR 18 secs on @ 7 pps	RF72LQ	NZART
21298.0	1	2015	1	31	0540		F1B	500			BURSTS	QG52xi	WIA
21300.0	20	2015	1	20	0320		P0N				OTHR, BURSTS	QG52xi	WIA
21300	10	2015	01	20	<0320>	0320	P0N		?	Unid	OTHR 4 secs every 10 secs 40 pps (supported by sigs on 20985 & 21470)	RF72LQ	NZART
21305	10	2015	01	03	<0315>	0315	P0N		?	Unid	OTHR 3.8 every 30 secs 70 pps	RF72LQ	NZART
21310.0	5	2015	1	21	0055		G7DF				HF MANPACK	QG52xi	WIA
21312	2	2015	01	31	<0422>	0422	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART
21320.0		2015	1	5	0840		A1A			E	REPEATED OVER & OVER	QG52xi	WIA
21320	20	2015	01	15	<0420>	0420	P0N		?	Unid	OTHR Continuous 50 pps	RF72LQ	NZART
21322	10	2015	01	03	<0425>	0425	P0N		?	Unid	OTHR 3.8 every 30 secs 70 pps	RF72LQ	NZART
21345	10	2015	01	12	<0300>	0300	P0N		?	Unid	OTHR No time to measure pps - went away	RF72LQ	NZART
21348	2	2015	01	31	<0427>	0427	G7DF	330	?	Unid	HF Man Pack 8-PSK S1	RF73MF	NZART
21349	20	2015	01	25	<0726>	0726	P0N	330	CYP	Unid	OTHR 50 pps continuous S7	RF73MF	NZART
21349.5	20	2015	01	24	<0727>	0727	P0N	330	CYP	Unid	OTHR Cyprus 50 pps Continuous S7	RF73MF	NZART
21350.0	3	2015	1	16	0030		J3E/L				SOUNDS VIETNAMESE	QG52xi	WIA
21370	20	2015	01	25	<0726>	0726	P0N	330	CYP	Unid	OTHR Cyprus5 0 pps Continuous S9	RF73MF	NZART
21375	160	2015	01	24	<0043>	0043-0049	P0N		?	Unid	OTHR Continuous 10 pps Shifted to 21280 @ 0043. Closed @ 0049	RF72LQ	NZART
21380	10	2015	01	30	<0155>	0155	P0N		?	Unid	OTHR 5 every 30 secs 50 pps	RF72LQ	NZART
21390	20	2015	01	23	<0645>	0645	P0N		?	Unid	OTHR Continuous 60 pps	RF72LQ	NZART
21390	20	2015	01	24	<0727>	0727	P0N	330	?	Unid	OTHR Continuous 50 pps Cyprus S8	RF73MF	NZART
21390	10	2015	01	29	<0050>	0050	P0N		?	Unid	OTHR Continuous	RF72LQ	NZART
21397	10	2015	01	03	<0330>	0330	P0N		?	Unid	OTHR 3.8 every 30 secs 70 pps	RF72LQ	NZART
21400.0	20	2015	1	6	0840		P0N				OTHR, CONTINUOUS	QG52xi	WIA
21420	10	2015	01	15	<0420>	0420	P0N		?	Unid	OTHR 3.8 every 30 secs 70 pps	RF72LQ	NZART
21430.0	20	2015	1	31	0635		P0N				OTHR, LONG BURSTS	QG52xi	WIA
21430.0	5	2015	1	24	0610		G7DF				HF MANPACK	QG52xi	WIA
21430	20	2015	01	31	<0640>	0640-0700	P0N		?	Unid	OTHR Continuous 60 pps	RF72LQ	NZART
21435.0	5	2015	1	24	0610		G7DF				HF MANPACK	QG52xi	WIA
21438.0		2015	1	4	0920		A1A		UKR	RCV	NUMBER CIPHER	QG52xi	WIA
21450.0	100	2015	1	17	0300		P0N				OTHR, LONG BURSTS, SLOW PULSE RATE	QG52xi	WIA
21470.0	100	2015	1	12	0420		P0N				OTHR, CONTINUOUS	QG52xi	WIA
24865.0	150	2015	1	21	0310		P0N				OTHR, SLOW PULSE RATE	QG52xi	WIA
24870.0	50	2015	1	7	0855		P0N				OTHR, SLOW PULSE RATE	QG52xi	WIA
24887.5	8	2015	1	29	0920		F3E				ASIAN	QG52xi	WIA
24890.0	5	2015	1	28	0950		G7DF				HF MANPACK	QG52xi	WIA
24900.0	3	2015	1	5	0445		J3E/U				ASIAN	QG52xi	WIA
24900.0	5	2015	1	30	0925		G7DF				HF MANPACK	QG52xi	WIA
24900.0	20	2015	1	31	0630		P0N				OTHR, BURSTS	QG52xi	WIA
24900.0	6	2015	1	9	0250		A3E				ASIAN	QG52xi	WIA

24900		2015	01	DY	HX	HX	G7DE/F		?	Unid	HF Man Pack 1, 6 & 8 PSK	RF72LQ	NZART
24905.0	6	2015	1	27	2355		A3E				ASIAN	QG52xi	WIA
24910.0	5	2015	1	30	0925		G7DF				HF MANPACK	QG52xi	WIA
24912.5	6	2015	1	15	0735		A3E				ASIAN	QG52xi	WIA
24915.0	20	2015	1	24	0650		VXX				CODAR	QG52xi	WIA
24915.0	6	2015	1	11	0315		A3E				ASIAN	QG52xi	WIA
24915	165	2015	01	21	<0311>	<0311	P0N		?	Unid	OTHR Continuous for 40 secs. 50 pps 165k wide = 25k in the band	RF72LQ	NZART
24925.0	8	2015	1	17	0820		F3E				ASIAN	QG52xi	WIA
24930.0	8	2015	1	11	0325		F3E				ASIAN	QG52xi	WIA
24935.0	6	2015	1	6	0830		A3E				ASIAN	QG52xi	WIA
24940.0	20	2015	1	6	0150		P0N						
24945	10	2015	01	06	<0455>	<0455-0530	P0N		?	Unid	CONTINUOUS, SLOW PULSE RATE OTHR HFSWR 7 pps	QG52xi RF72LQ	WIA NZART
24949	10	2015	01	31	<0557>	0557-0707	P0N	RUS	?	Unid	OTHR Russian 10 kHz 47 pps S7/8 5.6 second bursts increased to S9+	RF73MF	NZART
24950.0	20	2015	1	6	0830		P0N						
24950.0	6	2015	1	6	0825		A3E				CONTINUOUS, SLOW PULSE RATE	QG52xi	WIA
24950	10	2015	01	31	<0645>	<0645	P0N		?	Unid	ASIAN OTHR 5.3 every 30 secs 60 pps	QG52xi RF72LQ	WIA NZART
24955.0	6	2015	1	7	0505		A3E				ASIAN	QG52xi	WIA
24955.0	20	2015	1	31	0545		P0N				BURSTS	QG52xi	WIA
24962.5	6	2015	1	11	0310		A3E				ASIAN	QG52xi	WIA
24965.0	6	2015	1	6	0825		A3E				ASIAN	QG52xi	WIA
24975.0	6	2015	1	11	0310		A3E						
24975		2015	01	10	<0615.	0615	A3E	330	CHN	Unid	ASIAN Non-Amateurs S	QG52xi RF73MF	WIA NZART
28000.0	6	2015	1	1	0535		A3E				ASIAN	QG52xi	WIA
28000.0	3	2015	1	1	2010		J3E/U				SPANISH SPEAKERS	QG52xi	WIA
28000		2015	01	DY	HX	HX	F3E/A3E		CHN	Unid	Non Amateurs Chinese CB'ers every 5 K, when band is open	RF72LQ	NZART
28000	50	2015	01	18	<0410>	0410-0610	P0N		?	Unid	OTHR On multiple freqs throughout 10mx band	RF72LQ	NZART
28000		2015	01	DY	HX	HX	G7DE/F		?	Unid	HF Man Pack 1, 6 & 8 PSK	RF72LQ	NZART
28002.5	6	2015	1	1	0535		A3E				ASIAN	QG52xi	WIA
28005.0	6	2015	1	1	0535		A3E				ASIAN	QG52xi	WIA
28007	58.5	2015	01	26	<0547>	0547	P0N	330	IRN	Unid	OTHR Iranian 870 and 307 pps bursts S1/2	RF73MF	NZART
28009.0	3	2015	1	15	1000		J3E/U				"AH AH AH"	QG52xi	WIA
28012.5	6	2015	1	5	0830		A3E				ASIAN	QG52xi	WIA
28015.0	6	2015	1	1	0535		A3E				ASIAN	QG52xi	WIA
28025.0	8	2015	1	1	0535		F3E				ASIAN	QG52xi	WIA
28035.0	6	2015	1	1	0535		A3E				ASIAN	QG52xi	WIA
28040.0	100	2015	1	15	0915		P0N		IRN		OTHR	QG52xi	WIA
28045.0	6	2015	1	5	0820		A3E				ASIAN	QG52xi	WIA

28050.0	100	2015	1	18	0610		P0N		IRN		OTHR	QG52xi	WIA
28050.0	8	2015	1	5	0815		F3E				ASIAN	QG52xi	WIA
28055.0	6	2015	1	5	0815		A3E				ASIAN	QG52xi	WIA
28060.0	100	2015	1	17	0930		P0N		IRN		OTHR	QG52xi	WIA
28060.0	5	2015	1	11	2300		G7DF				HF MANPACK	QG52xi	WIA
28062.5	8	2015	1	6	0820		F3E				ASIAN	QG52xi	WIA
28065.0	6	2015	1	1	2010		A3E				SPANISH SPEAKERS	QG52xi	WIA
28065.0	6	2015	1	1	0535		A3E				ASIAN	QG52xi	WIA
28075.0	6	2015	1	2	2350		A3E				SPANISH SPEAKERS	QG52xi	WIA
28075.0	8	2015	1	1	0535		F3E				ASIAN	QG52xi	WIA
28083.5	87	2015	01	26	<0647>	0547	P0N	330	IRN	Unid	OTHR Iranian S1/2 870 and 307 pps bursts	Rf73MFmF	NZART
28085.0	6	2015	1	1	0535		A3E				ASIAN	QG52xi	WIA
28087.5	6	2015	1	5	0805		A3E				ASIAN	QG52xi	WIA
28091.0	6	2015	1	9	0225		A3E				ASIAN	QG52xi	WIA
28095.0	6	2015	1	30	0910		A3E				ASIAN	QG52xi	WIA
28100.0	8	2015	1	5	0800		F3E				ASIAN	QG52xi	WIA
28105.0	6	2015	1	1	0535		A3E				ASIAN	QG52xi	WIA
28112.5	6	2015	1	2	1010		A3E				ASIAN	QG52xi	WIA
28115.0	6	2015	1	2	1005		A3E				ASIAN	QG52xi	WIA
28125.0	8	2015	1	1	0540		F3E				ASIAN	QG52xi	WIA
28130.0	100	2015	1	12	0400		P0N		IRN		OTHR	QG52xi	WIA
28135.0	6	2015	1	1	0540		A3E				ASIAN	QG52xi	WIA
28135	60	2015	01	10	<0652.	0652	P0N	330	IRN	Unid	OTHR Iranian S1 alternating rates continuous	RF73MF	NZART
28137.5	6	2015	1	2	1005		A3E				ASIAN	QG52xi	WIA
28145.0	6	2015	1	1	0540		A3E				ASIAN	QG52xi	WIA
28150.0	100	2015	1	15	0715		P0N		IRN		OTHR	QG52xi	WIA
28150.0	1	2015	1	3	0000		F1B	300			WAVERIDER BUOY	QG52xi	WIA
28150.0	8	2015	1	2	0955		F3E				ASIAN	QG52xi	WIA
28155.0	6	2015	1	1	0540		A3E				ASIAN	QG52xi	WIA
28165.0	6	2015	1	1	0540		A3E				ASIAN	QG52xi	WIA
28175.0	8	2015	1	1	0540		F3E				ASIAN	QG52xi	WIA
28175		2015	01	24	<0659>	0659	F3E	330	CHN	Unid	Non Amateurs FM S2-3 Gabbling always	RF73MF	NZART
28185.0	8	2015	1	1	0540		F3E				ASIAN	QG52xi	WIA
28187.5	6	2015	1	1	0540		A3E				ASIAN	QG52xi	WIA
28195.0	6	2015	1	2	0950		A3E				ASIAN	QG52xi	WIA
28200.0	8	2015	1	1	0540		F3E				ASIAN	QG52xi	WIA
28205.0	6	2015	1	2	0950		A3E				ASIAN	QG52xi	WIA
28212.5	8	2015	1	2	0950		F3E				ASIAN	QG52xi	WIA
28215.0	6	2015	1	1	0540		A3E				ASIAN	QG52xi	WIA
28225.0	8	2015	1	1	0540		F3E				ASIAN	QG52xi	WIA
28225		2015	01	25	<0633	0633	A3A	330	CHN	Unid	Non Amateurs AM S4 Chinese	RF73MF	NZART
28230.0	5	2015	1	28	0240		G7DF				MANPACK RADIO	QG52xi	WIA

28230	20	2015	01	16	<0720>	0720	P0N		?	Unid	OTHR Continuous 50 pps	RF72LQ	NZART
28230	20	2015	01	25	<0547>	0547-0611	P0N	330	CYP	Unid	OTHR Cyprus S3 continuous 50 pps	RF73MF	NZART
28235.0	6	2015	1	1	0540		A3E				ASIAN	QG52xi	WIA
28237.5	6	2015	1	2	0950		A3E				ASIAN	QG52xi	WIA
28245.0	6	2015	1	1	0540		A3E				ASIAN	QG52xi	WIA
28250.0	8	2015	1	20	0945		F3E				ASIAN	QG52xi	WIA
28255.0	6	2015	1	2	0945		A3E				ASIAN	QG52xi	WIA
28265.0	6	2015	1	1	0540		A3E				ASIAN	QG52xi	WIA
28265	50	2015	01	26	<0310>	0310	P0N		?	Unid	OTHR On for 5 secs every 2 mins	RF72LQ	NZART
28275.0	8	2015	1	1	0540		F3E				ASIAN	QG52xi	WIA
28280.0	5	2015	1	13	0040		G7DF				MANPACK RADIO	QG52xi	WIA
28280.0	8	2015	1	5	0735		F3E				ASIAN	QG52xi	WIA
28285.0	6	2015	1	2	0935		A3E				ASIAN	QG52xi	WIA
28287.5	6	2015	1	5	0730		A3E				ASIAN	QG52xi	WIA
28287.5		2015	01	11	<0603>	0603	A3E	330	CHN	Unid	Non Amateurs S2 AM Males chatting Intermittently QSB	RF73MF	NZART
28295.0	6	2015	1	1	0540		A3E				ASIAN	QG52xi	WIA
28300.0	8	2015	1	3	0935		F3E				ASIAN	QG52xi	WIA
28305.0	6	2015	1	1	0540		A3E				ASIAN, SOUNDS CHINESE	QG52xi	WIA
28305		2015	01	11	<0502>	0502	G7DF	330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART
28305		2015	01	24	<0622>	0622	A3E	330	CHN	Unid	Non Amateurs Chinese S4	Rf73MF	NZART
28310.0	20	2015	1	6	0805		P0N				OTHR, CONTINUOUS	QG52xi	WIA
28315.0	6	2015	1	1	0540		A3E				ASIAN	QG52xi	WIA
28315	47	2015	01	11	<0612>	0612	P0N	330	IRN	Unid	OTHR Iranian S1 alternating rates continuous	RF73MF	NZART
28325.0	8	2015	1	1	0540		F3E				ASIAN	QG52xi	WIA
28335.0	6	2015	1	1	0540		A3E				ASIAN	QG52xi	WIA
28337.5	6	2015	1	3	0935		A3E				ASIAN	QG52xi	WIA
28340.0	6	2015	1	3	0930		A3E				ASIAN	QG52xi	WIA
28350.0	8	2015	1	2	0905		F3E				ASIAN	QG52xi	WIA
28355.0	6	2015	1	1	0540		A3E				ASIAN	QG52xi	WIA
28360.0	20	2015	1	5	0730		P0N				OTHR, CONTINUOUS	QG52xi	WIA
28365.0	6	2015	1	1	0540		A3E				ASIAN	QG52xi	WIA
28375.0	8	2015	1	2	0905		F3E				ASIAN	QG52xi	WIA
28385.0	6	2015	1	2	0905		A3E				ASIAN	QG52xi	WIA
28387.5	8	2015	1	6	0750		F3E				ASIAN	QG52xi	WIA
28390	50	2015	01	26	<0315>	0315	P0N		?	Unid	OTHR On for 5 secs every 2 mins	RF72LQ	NZART
28400.0	8	2015	1	3	0925		F3E				ASIAN	QG52xi	WIA
28405.0	6	2015	1	1	0540		A3E				ASIAN	QG52xi	WIA
28412.5	8	2015	1	5	0725		F3E				ASIAN	QG52xi	WIA
28415.0	6	2015	1	1	0540		A3E				ASIAN	QG52xi	WIA
28425.0	8	2015	1	1	0540		F3E				ASIAN	QG52xi	WIA
28435.0	6	2015	1	1	0540		A3E				ASIAN	QG52xi	WIA
28437.5	6	2015	1	3	0915		A3E				ASIAN	QG52xi	WIA
28440.0	6	2015	1	3	0910		A3E				SPANISH SPEAKERS	QG52xi	WIA

28445.0	6	2015	1	5	0715		A3E				ASIAN	QG52xi	WIA
28450.0	6	2015	1	3	0910		A3E				ASIAN	QG52xi	WIA
28455.0	6	2015	1	1	0545		A3E				ASIAN	QG52xi	WIA
28462.5	6	2015	1	2	0815		A3E				ASIAN	QG52xi	WIA
28465.0	6	2015	1	1	0545		A3E				ASIAN	QG52xi	WIA
28475.0	8	2015	1	1	0545		F3E				ASIAN	QG52xi	WIA
28485.0	6	2015	1	1	0545		A3E				ASIAN	QG52xi	WIA
28487.5	6	2015	1	7	0810		A3E				ASIAN	QG52xi	WIA
28489.5	20	2015	01	26	<0618>	0618-0638	P0N	330	CYP	Unid	OTHR Continuous S8 Cyprus50 pps 20 kHz bandwidth	RF73MF	NZART
28490.0	20	2015	1	26	0635		P0N				OTHR, CONTINUOUS	QG52xi	WIA
28495.0	6	2015	1	2	0805		A3E				ASIAN	QG52xi	WIA
28500.0	8	2015	1	2	0800		F3E				ASIAN	QG52xi	WIA
28505.0	6	2015	1	1	0545		A3E				ASIAN	QG52xi	WIA
28512.5	6	2015	1	2	0800		A3E				ASIAN	QG52xi	WIA
28515.0	6	2015	1	1	0545		A3E				ASIAN	QG52xi	WIA
28525.0	8	2015	1	1	0545		F3E				ASIAN	QG52xi	WIA
28530.0	6	2015	1	3	0910		A3E				ASIAN	QG52xi	WIA
28535.0	6	2015	1	2	0755		A3E				ASIAN	QG52xi	WIA
28537.5	6	2015	1	3	0910		A3E				ASIAN	QG52xi	WIA
28545.0	6	2015	1	2	0755		A3E				ASIAN	QG52xi	WIA
28550.0	5	2015	1	19	0705		G7DF				MANPACK RADIO	QG52xi	WIA
28550.0	8	2015	1	3	0905		F3E				ASIAN	QG52xi	WIA
28555.0	6	2015	1	1	0545		A3E				ASIAN	QG52xi	WIA
28565.0	6	2015	1	3	0905		A3E				ASIAN	QG52xi	WIA
28575.0	8	2015	1	3	0905		F3E				ASIAN	QG52xi	WIA
28585.0	6	2015	1	5	0710		A3E				ASIAN	QG52xi	WIA
28587.5	8	2015	1	5	0710		F3E				ASIAN	QG52xi	WIA
28595.0	6	2015	1	1	0545		A3E				ASIAN	QG52xi	WIA
28600.0	8	2015	1	2	0750		F3E				ASIAN	QG52xi	WIA
28600.0	100	2015	1	1	0545		P0N		IRN		OTHR	QG52xi	WIA
28600	50	2015	01	01	<0655>	0655	P0N		IRN	OTHR	OTHR 2 tones 870 & 370 pps	RF72LQ	NZART
28600	50	2015	01	02	<0525>	0525	P0N		IRN	OTHR	OTHR 2 tones 870 & 370 pps	RF72LQ	NZART
28600	50	2015	01	03	<0310>	0310-0635	P0N		IRN	OTHR	OTHR 2 tones 870 & 370 pps	RF72LQ	NZART
28600	50	2015	01	04	<0350>	0350-0550	P0N		IRN	OTHR	OTHR 2 tones 870 & 370 pps	RF72LQ	NZART
28600	50	2015	01	05	<0740>	0740	P0N		IRN	OTHR	OTHR 2 tones 870 & 370 pps	RF72LQ	NZART
28600	50	2015	01	14	<0720>	0720	P0N		IRN	OTHR	OTHR 2 tones 870 & 370 pps	RF72LQ	NZART
28605.0	6	2015	1	5	0705		A3E				ASIAN	QG52xi	WIA
28615.0	6	2015	1	7	0455		A3E				ASIAN	QG52xi	WIA
28620.0	100	2015	1	31	0555		P0N		IRN		OTHR	QG52xi	WIA
28624	92	2015	01	31	<0427>	0427-0502	P0N	330	IRN	Unid	OTHR Iranian S2 alternating rates continuous 870 pps/307 pps	RF73MF	NZART
28625.0	8	2015	1	2	0750		F3E				ASIAN	QG52xi	WIA
28630	50	2015	01	28	<0400>	0400-0450	P0N		IRN	OTHR	OTHR 2 tones 870 & 370 pps	RF72LQ	NZART
28630	50	2015	01	29	<0305>	0305-0700	P0N		IRN	OTHR	OTHR 2 tones 870 & 370 pps	RF72LQ	NZART

28630	50	2015	01	30	<0320>	0320-0725	P0N		IRN	OTHR	OTHR 2 tones 870 & 370 pps	RF72LQ	NZART
28630	50	2015	01	31	<0455>	0455-0700	P0N		IRN	OTHR	OTHR 2 tones 870 & 370 pps	RF72LQ	NZART
28635.0	6	2015	1	2	0750		A3E				ASIAN	QG52xi	WIA
28637.5	6	2015	1	2	0745		A3E				ASIAN	QG52xi	WIA
28640.0	100	2015	1	30	0905		P0N		IRN		OTHR	QG52xi	WIA
28645.0	6	2015	1	1	0545		A3E				ASIAN	QG52xi	WIA
28645		2015	01	30	<2331>	2331	G7DF	330	?	Unid	HF Man Pack 8-PSK S1`	RF73MF	NZART
28650.0	8	2015	1	5	0655		F3E				ASIAN	QG52xi	WIA
28655.0	6	2015	1	1	0545		A3E				ASIAN	QG52xi	WIA
28662.5	6	2015	1	5	0655		A3E				ASIAN	QG52xi	WIA
28665.0	6	2015	1	1	0545		A3E				ASIAN	QG52xi	WIA
28665		2015	01	31	<2326>	2326	G7DF		?	Unid	HF Man Pack 8-PSK S4	Rf73MF	NZART
28670.0	20	2015	1	26	0655		P0N				CONTINUOUS	QG52xi	WIA
28670	20	2015	01	26	<0647>	0647	P0N	330	CYP	Unid	OTHR S6 Continuous Cyprus 50 pps	RF73MF	NZART
28675.0	8	2015	1	2	0735		F3E				ASIAN	QG52xi	WIA
28685.0	6	2015	1	1	0545		A3E				ASIAN	QG52xi	WIA
28687.5	6	2015	1	5	0650		A3E				ASIAN	QG52xi	WIA
28695.0	6	2015	1	2	0730		A3E				ASIAN	QG52xi	WIA
28700.0	6	2015	1	1	0545		A3E				ASIAN	QG52xi	WIA
28705.0	8	2015	1	1	0545		F3E				ASIAN	QG52xi	WIA
28712.5	6	2015	1	3	0905		A3E				ASIAN	QG52xi	WIA
28715.0	6	2015	1	2	0720		A3E				ASIAN	QG52xi	WIA
28725.0	8	2015	1	2	0720		F3E				ASIAN	QG52xi	WIA
28735.0	6	2015	1	1	0545		A3E				ASIAN	QG52xi	WIA
28737.5	6	2015	1	2	0720		A3E				ASIAN	QG52xi	WIA
28740.0	6	2015	1	1	0545		A3E				ASIAN	QG52xi	WIA
28745.0	6	2015	1	2	0715		A3E				ASIAN	QG52xi	WIA
28750.0	8	2015	1	2	0715		F3E				ASIAN	QG52xi	WIA
28750		2015	01	10	<0604>	0640	F3E	330	CHN	Unid	Non Amateurs S2 FM Males chatting	RF73MF	NZART
28750		2015	01	11	<0359>	0359	A3E	330	CHN	Unid	Non-Amateurs S2 AM Males chatting	RF73MF	NZART
28755.0	6	2015	1	1	0545		A3E				ASIAN	QG52xi	WIA
28756		2015	01	30	<2355>	2355	G7DF	330	?	Unid	HF Man Pack 8-PSK S1`	RF73MF	NZART
28760.0	6	2015	1	28	0510		A3E				ASIAN	QG52xi	WIA
28762.5	6	2015	1	5	0650		A3E				ASIAN	QG52xi	WIA
28765.0	6	2015	1	2	0710		A3E				ASIAN	QG52xi	WIA
28775.0	8	2015	1	2	0705		F3E				ASIAN	QG52xi	WIA
28775		2015	01	10	<0608>	0608	F3E	330	CHN	Unid	Non Amateurs S2 FM Males chatting	RF73MF	NZART
28780.0	8	2015	1	3	0855		A3E				ASIAN	QG52xi	WIA
28785.0	6	2015	1	1	0550		A3E				ASIAN	QG52xi	WIA
28787.5	8	2015	1	2	0700		F3E				ASIAN	QG52xi	WIA
28800.0	8	2015	1	2	0700		F3E				ASIAN	QG52xi	WIA
28805.0	6	2015	1	2	0700		A3E				ASIAN	QG52xi	WIA
28812.5	6	2015	1	2	0655		A3E				ASIAN	QG52xi	WIA
28815.0	6	2015	1	3	0855		A3E				ASIAN	QG52xi	WIA
28825.0	8	2015	1	1	0550		F3E				ASIAN	QG52xi	WIA

28825		2015	01`	11	<0423>	0423	A3E	330	CHN	Unid	Non Amateurs S2 AM Males chatting	RF73MF	NZART
28830.0	6	2015	1	3	0850		A3E				ASIAN	QG52xi	WIA
28835.0	6	2015	1	12	0410		A3E				ASIAN	QG52xi	WIA
28837.5	8	2015	1	2	0645		F3E				ASIAN	QG52xi	WIA
28839		2015	01	11	<0358>	0358	G7DF	330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART
28840.0	6	2015	1	5	0645		A3E				ASIAN	QG52xi	WIA
28845.0	6	2015	1	2	0640		A3E				ASIAN	QG52xi	WIA
28850.0	8	2015	1	2	0635		F3E				ASIAN	QG52xi	WIA
28855.0	6	2015	1	3	0850		A3E				ASIAN	QG52xi	WIA
28858		2015	01	11	<0354>	0354	G7DF	330	?	Unid	HF Man Pack 8-PSK S2	RF73MF	NZART
28862.5	8	2015	1	2	0625		F3E				ASIAN	QG52xi	WIA
28865.0	6	2015	1	4	0710		A3E				ASIAN	QG52xi	WIA
28870.0	6	2015	1	2	0625		A3E				ASIAN	QG52xi	WIA
28875.0	8	2015	1	2	0620		F3E				ASIAN	QG52xi	WIA
28880.0	6	2015	1	2	0620		A3E				ASIAN	QG52xi	WIA
28887.5	8	2015	1	1	0550		F3E				ASIAN	QG52xi	WIA
28890.0	6	2015	1	5	0640		A3E				ASIAN	QG52xi	WIA
28900.0	8	2015	1	3	0830		F3E				ASIAN	QG52xi	WIA
28900.0	20	2015	1	4	0650		P0N				OTHR, CONTINUOUS	QG52xi	WIA
28905.0	6	2015	1	3	0830		A3E				ASIAN	QG52xi	WIA
28912.5	6	2015	1	1	0550		A3E				ASIAN	QG52xi	WIA
28915.0	6	2015	1	3	0825		A3E				ASIAN	QG52xi	WIA
28925.0	8	2015	1	2	0600		F3E				ASIAN	QG52xi	WIA
28925		2015	01	11	<0420>	0420	A3E	330	CHN	Unid	Non Amateurs S2 AM Males chatting	RF73MF	NZART
28935.0	6	2015	1	3	0825		A3E				ASIAN	QG52xi	WIA
28937.5	6	2015	1	2	0550		A3E				ASIAN	QG52xi	WIA
28945.0	6	2015	1	3	0820		A3E				ASIAN	QG52xi	WIA
28950.0	8	2015	1	1	0550		F3E				ASIAN	QG52xi	WIA
28955.0	6	2015	1	3	0820		A3E				ASIAN	QG52xi	WIA
28962.5	8	2015	1	2	0535		F3E				ASIAN	QG52xi	WIA
28965.0	8	2015	1	4	0430		F3E				ASIAN	QG52xi	WIA
28975.0	8	2015	1	2	0530		F3E				ASIAN	QG52xi	WIA
28975		2015	01	11	<0329>	039	A3E	330	CHN	Unid	Non-Amateurs S2 AM Males chatting	RF73MF	NZART
28985.0	6	2015	1	2	0530		A3E				ASIAN	QG52xi	WIA
28987.5	8	2015	1	1	0550		F3E				ASIAN	QG52xi	WIA
28990.0	6	2015	1	3	0810		A3E				ASIAN	QG52xi	WIA
29000.0	8	2015	1	2	0515		F3E				ASIAN	QG52xi	WIA
29005.0	6	2015	1	12	0410		A3E				ASIAN	QG52xi	WIA
29012.5	8	2015	1	1	0550		F3E				ASIAN	QG52xi	WIA
29015.0	6	2015	1	2	0515		A3E				ASIAN	QG52xi	WIA
29020.0	6	2015	1	2	0515		A3E				ASIAN	QG52xi	WIA
29025.0	8	2015	1	1	0550		F3E				ASIAN	QG52xi	WIA
29037.5	8	2015	1	2	0505		F3E				ASIAN	QG52xi	WIA
29045.0	6	2015	1	3	0755		A3E				ASIAN	QG52xi	WIA
29050.0	8	2015	1	3	0745		F3E				ASIAN	QG52xi	WIA

29050		2015	01	11	<0353>	0353	A3E	330	CHN	Unid	Non-Amateurs S3 AM Males chatting over modulated QSB	RF73MF	NZART
29055.0	6	2015	1	28	0515		A3E				ASIAN	QG52xi	WIA
29062.5	8	2015	1	2	0440		F3E				ASIAN	QG52xi	WIA
29065.0	6	2015	1	1	0550		A3E				ASIAN	QG52xi	WIA
29075.0	8	2015	1	2	0440		F3E				ASIAN	QG52xi	WIA
29087.5	6	2015	1	2	0435		A3E				ASIAN	QG52xi	WIA
29095.0	6	2015	1	21	0645		A3E				ASIAN	QG52xi	WIA
29100.0	8	2015	1	2	0425		F3E				ASIAN	QG52xi	WIA
29100	20	2015	01	16	<0655>	0655-0659	P0N		?	Unid	OTHR Continuous Fin. @ 0659	RF72LQ	NZART
29105.0	6	2015	1	2	0425		A3E				ASIAN	QG52xi	WIA
29109.5	21	2015	01	25	<0547>	0547-0552	P0N	330	CYP	Unid	OTHR Cyprus continuous S5 50 pps 20 kHz	RF73MF	NZART
29112.5	6	2015	1	1	0550		A3E				ASIAN	QG52xi	WIA
29115.0	6	2015	1	3	0730		A3E				ASIAN	QG52xi	WIA
29125.0	8	2015	1	2	0420		F3E				ASIAN	QG52xi	WIA
29135.0	20	2015	1	17	0805		P0N				OTHR	QG52xi	WIA
29135.0	8	2015	1	1	0550		F3E				ASIAN	QG52xi	WIA
29137.5	6	2015	1	2	0420		A3E				ASIAN	QG52xi	WIA
29150.0	8	2015	1	1	0550		F3E				ASIAN	QG52xi	WIA
29162.5	8	2015	1	3	0440		F3E				ASIAN	QG52xi	WIA
29165.0	6	2015	1	3	0440		A3E				ASIAN	QG52xi	WIA
29175.0	8	2015	1	1	0550		F3E				ASIAN	QG52xi	WIA
29185.0	6	2015	1	1	0915		A3E				ASIAN	QG52xi	WIA
29187.5	8	2015	1	1	0710		F3E				ASIAN	QG52xi	WIA
29200.0	6	2015	1	2	0315		A3E				ASIAN	QG52xi	WIA
29205.0	6	2015	1	3	0435		A3E				ASIAN	QG52xi	WIA
29212.5	8	2015	1	1	0900		F3E				ASIAN	QG52xi	WIA
29215.0	6	2015	1	1	0900		A3E				ASIAN	QG52xi	WIA
29220.0	20	2015	1	19	0720		P0N				OTHR	QG52xi	WIA
29220.0	100	2015	1	23	0825		P0N		IRN		OTHR	QG52xi	WIA
29225.0	8	2015	1	1	0855		F3E				ASIAN	QG52xi	WIA
29235.0	6	2015	1	1	0855		A3E				ASIAN	QG52xi	WIA
29237.5	6	2015	1	3	0430		A3E				ASIAN	QG52xi	WIA
29250.0	6	2015	1	1	0555		A3E				ASIAN	QG52xi	WIA
29255.0	6	2015	1	27	0300		A3E				ASIAN	QG52xi	WIA
29262.5	8	2015	1	1	0845		F3E				ASIAN	QG52xi	WIA
29275.0	8	2015	1	1	0845		F3E				ASIAN	QG52xi	WIA
29287.5	8	2015	1	3	0425		F3E				ASIAN	QG52xi	WIA
29300.0	6	2015	1	1	0835		A3E				ASIAN	QG52xi	WIA
29312.5	6	2015	1	2	0300		A3E				ASIAN	QG52xi	WIA
29325.0	8	2015	1	1	0830		F3E				ASIAN	QG52xi	WIA
29335.0	6	2015	1	30	0900		A3E				ASIAN	QG52xi	WIA
29337.5	8	2015	1	6	0715		F3E				ASIAN	QG52xi	WIA
29350.0	6	2015	1	1	0815		A3E				ASIAN	QG52xi	WIA

29355.0	6	2015	1	3	0420	A3E	ASIAN	QG52xi	WIA
29362.5	8	2015	1	2	0245	F3E	ASIAN	QG52xi	WIA
29365.0	6	2015	1	2	0245	A3E	ASIAN	QG52xi	WIA
29375.0	8	2015	1	1	0810	F3E	ASIAN	QG52xi	WIA
29387.5	8	2015	1	2	0240	F3E	ASIAN	QG52xi	WIA
29400.0	6	2015	1	1	0755	A3E	ASIAN	QG52xi	WIA
29405.0	6	2015	1	2	0240	A3E	ASIAN	QG52xi	WIA
29412.5	6	2015	1	2	0240	A3E	ASIAN	QG52xi	WIA
29425.0	8	2015	1	1	0555	F3E	ASIAN	QG52xi	WIA
29435.0	6	2015	1	1	0750	A3E	ASIAN	QG52xi	WIA
29437.5	8	2015	1	1	0745	F3E	ASIAN	QG52xi	WIA
29445.0	8	2015	1	20	0105	F3E	ASIAN	QG52xi	WIA
29450.0	8	2015	1	1	0745	F3E	ASIAN	QG52xi	WIA
29455.0	6	2015	1	1	0745	A3E	ASIAN	QG52xi	WIA
29462.5	8	2015	1	6	0705	F3E	ASIAN	QG52xi	WIA
29470.0	20	2015	1	17	0800	P0N	OTHR	QG52xi	WIA
29475.0	8	2015	1	1	0735	F3E	ASIAN	QG52xi	WIA
29487.5	8	2015	1	3	0410	F3E	ASIAN	QG52xi	WIA
29500.0	8	2015	1	2	0225	F3E	ASIAN	QG52xi	WIA
29500.0	20	2015	1	1	0730	P0N	OTHR	QG52xi	WIA
29512.5	8	2015	1	3	0410	F3E	ASIAN	QG52xi	WIA
29515.0	6	2015	1	3	0405	A3E	ASIAN	QG52xi	WIA
29525.0	8	2015	1	1	0720	F3E	ASIAN	QG52xi	WIA
29537.5	6	2015	1	5	0550	A3E	ASIAN	QG52xi	WIA
29550.0	6	2015	1	2	0205	A3E	ASIAN	QG52xi	WIA
29562.5	6	2015	1	2	0205	A3E	ASIAN	QG52xi	WIA
29565.0	6	2015	1	5	0545	A3E	ASIAN	QG52xi	WIA
29575.0	8	2015	1	1	0700	F3E	ASIAN	QG52xi	WIA
29587.5	6	2015	1	1	0700	A3E	ASIAN	QG52xi	WIA
29595.0	6	2015	1	30	0855	A3E	ASIAN	QG52xi	WIA
29600.0	6	2015	1	1	0655	A3E	ASIAN	QG52xi	WIA
29605.0	6	2015	1	23	0830	A3E	ASIAN	QG52xi	WIA
29612.5	6	2015	1	1	0650	A3E	ASIAN	QG52xi	WIA
29625.0	8	2015	1	1	0645	F3E	ASIAN	QG52xi	WIA
29635.0	8	2015	1	3	0340	F3E	ASIAN	QG52xi	WIA
29637.5	8	2015	1	6	0705	F3E	ASIAN	QG52xi	WIA
29645.0	8	2015	1	1	0620	F3E	ASIAN	QG52xi	WIA
29650.0	8	2015	1	1	0640	F3E	ASIAN	QG52xi	WIA
29662.5	8	2015	1	1	0640	F3E	ASIAN	QG52xi	WIA
29675.0	8	2015	1	1	0620	F3E	ASIAN	QG52xi	WIA
29680.0	20	2015	1	1	0640	P0N	OTHR, CONTINUOUS	QG52xi	WIA
29685.0	6	2015	1	4	0255	A3E	ASIAN	QG52xi	WIA
29687.5	8	2015	1	2	0130	F3E	ASIAN	QG52xi	WIA
29700.0	8	2015	1	1	0630	F3E	ASIAN	QG52xi	WIA
29900		2015	01	11	<0421>	0421	A3E	330 CHN Unid Non Amateurs S2 Male chatting	RF73MF NZART

