INTERNATIONAL AMATEUR RADIO UNION

REGION 3

MONITORING SYSTEM REPORT

August, 2007   B.L. Manohar Arasu VU2UR

The amateur radio operators of different countries formed their National Societies, to fight for the rights of amateur service, in one united voice, with their Administrations. The conglomeration of National Societies to form the International Amateur Radio Union, came in, to voice the rights of amateur radio operators and to protect the hard earned frequency bands, at the International levels. While the various users of RF spectrum like the broadcasters and others, have got lot of expansions to their services in terms of frequency allocations in the various WARC meetings, the ham fraternity is the one, with very little expansion seen over the years. One of the possible reasons might be the absence Officials who are also Radio Amateurs to fight the cases, at the various telecommunication meets of different countries/entities with local and international telecommunication administrations.

If the number of intruding stations increase in every amateur band and continue the use unabated, that number of frequencies get reduced to the authorized and licensed amateurs around the world. Everyday, contests cannot be organised to see that the bands are mostly occupied. Amateurs use the bands when they are free from their other obligations, as amateurism is not professionalism. Thus, the amateur bands show, a considerable portion of unused frequencies every weekday. These seemingly vacant frequencies attract other services to use our frequencies. The intruders generally carry their business/profession at the working hours, which may be a significant part of the 24 hours of a day.

The agreements and understandings the various Administrations arrive at, for the use of radio frequencies, though advised to all the other Departments in their Country, generally gets bye passed by some Departments. Thus, the Agreements signed and the Practice followed everyday, do contradict each other, creating enough confusion. All the "Over The Horizon Radars" and "Sea state CODARs" operated can be mentioned in this category of stations. They occupy a large bandwidth and use a very high power, obliterating a number of amateur radio signals on that band.

The Monitoring Systems of the National Societies of the different Regions of IARU, and the three regions of IARU are doing their best to bring the latest intruder data, ready to use. The National Societies, who are yet to form a Monitoring Systems Group, are requested to take this work on priority, as every bit of data received, helps in knowing and identifying the intruder and to fight the intrusion. It is through the concerted efforts of the various National Societies who can make their Administrations understand these dualities mentioned above, the work of getting the intruders from amateur radio bands, vacated, gets easier. All the IARU Liaison Officers of the various National Societies, are requested through these lines, to be in touch with their Administrations, very frequently, supplying intruder information, if need be, for taking necessary action.

Summary of the month:

160 metres: Fish net beacons were reported by NZART. Chinese "Dragon's Breath" was spotted from JA.

80 metres: Chinese OTHR from Hainan was reported by JARL, also spotted from JA, VR2, W6, W7 & VK. Voice of Korea was reported by JARL, HARTS & NZART.

40 metres: Chinese OTHR from Hainan was reported by HARTS, also spotted from VK, VR2, JA, W6 & W7. Chinese CW station L9CC was reported by JARL & ARSI. Indonesian intruders were reported by NZART. Sinhalese-speaking fish boats were reported by ARSI. The Russian single-letter CW beacons were reported by ARSI, JARL & NZART. Russian teletype station REA4 was reported by NZART. Voice of Korea was reported by ARSI, JARL, HARTS & NZART.

30 metres: British OTHR from Cyprus was spotted from SM, ON, G, 9K, I, ZL & VK6, as well as from W2 & JA (though incorrectly identified as being Chinese).

20 metres: USA's Voice of America from the Philippines was reported by HARTS, also spotted from VR2. Numerous Sinhalese-speaking fish boats were reported by ARSI. Indonesian intruders were reported by NZART. Voice of Korea was reported by HARTS & NZART. A German language broadcast signal was spotted from ON, DL, OE, SM & G.

17 metres: British OTHR from Cyprus was spotted from V7. Voice of Russia was reported by HARTS & possibly JARL, as well as possibly being spotted from ZS. A spur from Chinese jamming from Hainan of Chinese Taipei Sound of Hope broadcasts was reported by HARTS.

15 metres: Voice of Korea was reported by HARTS.

12 metres: Chinese CODAR was reported by HARTS & NZART. Voice of Korea was reported by HARTS.

10 metres: Numerous intruders were reported by NZART.

This month's contributors:

ARSI: VU2UR - **HARTS:** VR2BG - **JARTS:** JA0AD, JA2ANM, JA2CNT, JI2GPM - **NZART:** ZL1BYA

kHz	BW	YYYY	MM	DD	GMT	Time	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society
1878		2007	08	09		2000>	A!A					MS	Fishnet Beacons		NZART
3550		2007	08	10	20:35		A3E						KOR,other voice/music, +9 more reports		JARL
3560		2007	08	16		1200>	A3E				KRE	VoKorea	B.C. station		NZART
3560		2007	08	DY	10:44		A3E				KRE	VoKorea	ENG voice/music, +156 more reports		JARL
3560		2007	08	DY		0900-2100	A3E				KRE	VoKorea	B.C. station		NZART
3560		2007	08	DY		<1400-2230>	A3E				KRE	VoKorea		OL72	HARTS
3577		2007	08	04		<1416>	J3E/U						2-OM IN SEA LANGUAGE	MK82	ARSI
3700	400	2007	08	DY		0000-2400	PXX				CHN		varying times, center freq & bw	OL72	HARTS
7000		2007	08	05		<1243>	F1B	175	72				Encripted		NZART
7000		2007	08	DY		HX24	J3E/U,L				INS		Indonesian C.Bers		NZART
7001		2007	08	18		<1200>	J3E/L				INS		Indonesian C.Bers		NZART
7004.4		2007	08	23		<1735>	A1A						CYRILLIC NUMBER GROUPS	MK82	ARSI
7005		2007	08	11	09:52		PXX				CHN		wide band noise		JARL
7005		2007	08	11		<1217>	J3E/U,L				INS		Indonesian C.Bers		NZART
7005		2007	08	20		<0218>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7005.5	11	2007	08	03		<1130>	PXX				CHN		O.T.H.R. 43pulses/sec		NZART
7006	4	2007	08	12		<1105>	PXX				CHN		O.T.H.R. 43 pulses/sec		NZART
7006.6		2007	08	22		<1145>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7010	20	2007	08	15		<1210>	PXX				CHN		O.T.H.R. 43 pulses/sec		NZART
7010.5	21	2007	08	14		1209-1215	PXX				CHN		O.T.H.R. 43 pulses/sec		NZART
7011		2007	08	07		<0303>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7011.5	23	2007	08	07		<1110>	PXX				CHN		O.T.H.R. 43 pulses/sec		NZART
7017		2007	08	24		<1043>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7017.1		2007	08	26		<0239>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7018	36	2007	08	02		<1045>	PXX				CHN		O.T.H.R. 43 pulses/sec		NZART
7018		2007	08	23	00:14		A1A						Other		JARL
7025		2007	08	06		<0314>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7025		2007	08	16		<0156>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7026		2007	08	15		<0207>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7027		2007	08	05		<1049>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7027		2007	08	07		<0224>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7030		2007	08	11		<1224>	J3E/L				INS		Indonesian C.Bers.		NZART
7032		2007	08	12		<0303>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7032		2007	08	17		<0357>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7035.6		2007	08	06		<1305>	F1B	75	225				Encripted		NZART
7037.4		2007	08	14		<1115>	F1B	50	250				Encripted		NZART
7038		2007	08	10	21:00		A1A				RUS	M	Beacon, +3 more reports		JARL
7038.4		2007	08	23		<1730>	A1A				RUS	S	SINGLE LETTER BEACON	MK82	ARSI
7038.5		2007	08	13		<0219>	J3EU/L				IND	CWC	RIVER LEVELS REPORTING CHAIN OF STNS	MK82	ARSI
7038.6		2007	08	23		<1730>	A1A				RUS	C	SINGLE LETTER BEACON	MK82	ARSI
7039		2007	08	04		<1419>	A1A				RUS	M	SINGLE LETTER BEACON	MK82	ARSI
7039		2007	08	DY	10:48		A1A				RUS	M	Beacon, +61 more reports		JARL
7039		2007	08	DY		H24	A1A				RUS	C, D	Beacons		NZART
7041.2		2007	08	22		<0239>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7043		2007	08	19		<1550>	A1A				CHN	L9CC	L9CC CALLING CP17	MK82	ARSI
7044		2007	08	12	16:04		XXX						wide band noise		JARL

kHz	BW	YYYY	MM	DD	GMT	Time	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society
7050	100	2007	08	DY		0000-2400	PXX				CHN		varying times, center freq & bw	OL72	HARTS
7052		2007	08	01		<1145>	A1A				RUS	F	Beacon		NZART
7052		2007	08	02		<1057>	A1A				RUS	F	Beacon		NZART
7052		2007	08	03		<1123>	A1A				RUS	F	Beacon		NZART
7052		2007	08	05		<1227>	A1A				RUS	F	Beacon		NZART
7052		2007	08	06		<1300>	A1A				RUS	F	Beacon		NZART
7052		2007	08	07		<1100>	A1A				RUS	F	Beacon		NZART
7052		2007	08	08		<1159>	A1A				RUS	F	Beacon		NZART
7052	24	2007	08	09		<1144>	PXX				CHN		O.T.H.R. 43 pulses/sec		NZART
7052		2007	08	09		<1140>	A1A				RUS	F	Beacon		NZART
7052		2007	08	10		<1130>	A1A				RUS	F	Beacon		NZART
7052		2007	08	11		<1215>	A1A				RUS	F	Beacon		NZART
7052		2007	08	12		<1058>	A1A				RUS	F	Beacon		NZART
7052		2007	08	15		<1224>	A1A				RUS	F	Beacon		NZART
7052		2007	08	16		<1145>	A1A				RUS	F	Beacon		NZART
7052		2007	08	17		<1115>	A1A				RUS	F	Beacon		NZART
7052		2007	08	18		<1150>	A1A				RUS	F	Beacon		NZART
7052		2007	08	19		<1130>	A1A				RUS	F	Beacon		NZART
7052		2007	08	20		<1220>	A1A				RUS	F	Beacon		NZART
7052		2007	08	23		<1155>	A1A				RUS	F	Beacon		NZART
7052		2007	08	26		<1155>	A1A				RUS	F	Beacon		NZART
7052		2007	08	28		<1147>	A1A				RUS	F	Beacon		NZART
7052		2007	08	DY	10:46		A1A				RUS	F	Beacon, +139 more reports		JARL
7053		2007	08	01	20:24		A1A				RUS	F	Beacon, +10 more reports		JARL
7054		2007	08	24		1925-2100	F1B		250		RUS	REA4	Russian Airforce?		NZART
7054.6		2007	08	06		<0315>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
7056		2007	08	14	21:27		A1A				CHN	L9CC	CP17 CP17 CP17 de L9CC L9CC V		JARL
7057		2007	08	08	19:18		A1A				CHN	L9CC	CP17 de L9CC V		JARL
7058.6		2007	08	23		<1730>	A1A				CHN	L9CC	L9CC CALLING CP17	MK82	ARSI
7061		2007	08	29	16:10		A1A				CHN	L9CC	CP17 de L9CC V		JARL
7068		2007	08	12	16:11		A1A						CP17 CP17 CP17 de L9CC L9CC V		JARL
7069.5	67	2007	08	11		<1208>	PXX				CHN		O.T.H.R. 43 pulses/sec		NZART
7069.8		2007	08	04		<1413>	A1A				CHN	L9CC	L9CC CALLING CP17	MK82	ARSI
7085.5	49	2007	08	19		<1136>	PXX				CHN		O.T.H.R. 43 pulses/sec		NZART
7086		2007	08	10	21:04		PXX				CHN		wide band noise		JARL
7088	62	2007	08	18		<1210>	PXX				CHN		O.T.H.R. 43 pulses/sec		NZART
7091		2007	08	16		<1231>	A3E						B.C. stn, very distorted, Asian male announcer.		NZART
7100		2007	08	DY	18:00		A3E				KRE	VoKorea	FRN voice/music, +78 more reports		JARL
7100	5	2007	08	DY		1800>	A3E				KRE	VoKOREA	FRENCH B/C FROM PYONGYANG	MK82	ARSI
7100	5	2007	08	DY		<1500>	A3E				ERI	VoBM	VOICE OF BROAD MASSES;DOMESTIC B/C	MK82	ARSI
7100		2007	08	DY		1900>	A3E				KRE	VoKorea	B.C. Station		NZART
14000		2007	08	DY		HX24	J3E/U,L				INS		Indonesian C.Bers.		NZART
14000		2007	08	DY		0000-0350>	A3E				KRE	VoKorea		OL72	HARTS
14001.5		2007	08	24		<1408>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14004.6		2007	08	20		<0223>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14005		2007	08	16		<0255>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI

kHz	BW	YYYY	MM	DD	GMT	Time	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society
14005.3		2007	08	27		<1158>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14006.3		2007	08	26		<0946>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14007.3		2007	08	13		<0230>	F1B						DAILY PRESENCE OF THIS STATION	MK82	ARSI
14010		2007	08	04		<0320>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14010		2007	08	16		<0159>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14010		2007	08	27		<1208>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14013		2007	08	10		<0306>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14013		2007	08	DY		0000-0400>	J3E/U						Mandarin dialect CHN, first heard 2007-06-06	OL72	HARTS
14013.6		2007	08	12		<0306>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14014		2007	08	15		<0322>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14014		2007	08	17		<0930>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14015	5	2007	08	DY		0000-2400	XXX						unknown digital	OL72	HARTS
14015.6		2007	08	16		<0253>	A1A						STN GIVING 4 FIGURE NUMBERS	MK82	ARSI
14015.6		2007	08	16		<0353>	A1A						STN GIVING 4 FIGURE NUMBERS	MK82	ARSI
14020		2007	08	28		<0258>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14021		2007	08	15		<0248>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14021		2007	08	20		<0247>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14021		2007	08	22		<1245>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14023		2007	08	15		<0215>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14024		2007	08	04		<0210>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14030		2007	08	01	20:46		A3E						Other,13 more reports		JARL
14033		2007	08	17		<0945>	J3E/U						CHINESE DIALECT SPEAKING 2-OM	MK82	ARSI
14033.2		2007	08	14		<0342>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14035		2007	08	10		<1116>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14035	5	2007	08	DY		0000-2400	XXX						unknown digital	OL72	HARTS
14064		2007	08	14		<1205>	J3E/U						CHINESE DIALECT SPEAKING OM-YL	MK82	ARSI
14065		2007	08	DY		2330-0030	A3E				USA	VoAmerica	Philippines relay	OL72	HARTS
14090		2007	08	01	20:47		A3E						Other,13 more reports		JARL
14100		2007	08	16		<0207>	J3E/U				INS		OM CALLING BY NAMES	MK82	ARSI
14100		2007	08	DY		HX24	J3E/U,L				INS		Indonesian C.Bers.		NZART
14100		2007	08	DY		<2150-2300	A3E				USA	VoAmerica	Philippines relay	OL72	HARTS
14101		2007	08	17		<0355>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14104		2007	08	09		1110>	F1B		250				Encripted		NZART
14105		2007	08	08		2315>	J3E/U				INS		Indonesian C.Bers.		NZART
14110		2007	08	DY		HX24	J3E/U				INS		Indonesian C.Bers.		NZART
14115		2007	08	DY		<0020-0300	A3E				USA	VoAmerica	Philippines relay	OL72	HARTS
14120		2007	08	27		0945>	F1B						Encripted		NZART
14143	5	2007	08	DY		0000-2400	XXX						unknown digital	OL72	HARTS
14152		2007	08	01	20:48		A3E						Other,13 more reports		JARL
14183		2007	08	01	20:48		A3E						Other,13 more reports		JARL
14195		2007	08	DY		<2150-2400	A3E				USA	VoAmerica	Philippines relay	OL72	HARTS
14203.2		2007	08	16		<0352>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14214		2007	08	01	20:48		A3E						Other,13 more reports		JARL
14241		2007	08	17		<0927>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14250		2007	08	DY		0400-1045	A3E				KRE	VoKorea	B.C. Stn.		NZART
14250		2007	08	DY		<2150-0900>	A3E				KRE	VoKorea		OL72	HARTS

kHz	BW	YYYY	MM	DD	GMT	Time	Emm	Bd	Sft	Hdg	ADM	ID	Description	Grid	Society
14261		2007	08	09		<1200>	N0N						Carrier		NZART
14274		2007	08	01	20:48		A3E						Other,13 more reports		JARL
14280		2007	08	DY		0000-0350>	A3E				KRE	VoKorea		OL72	HARTS
14296		2007	08	16		<0353>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
14317.3		2007	08	16		<0354>	N0N						ALMOST DAILY APPEARANCE	MK82	ARSI
14334		2007	08	01	20:48		A3E						Other,13 more reports		JARL
18075.3		2007	08	24		<1007>	J3E/U				IND	55	55 CALLING 48- PARA MIL TFC; RTTY ALSO	MK82	ARSI
18135		2007	08	01	11:00		A3E						CHN voice/music,+2 more reports		JARL
18135		2007	08	DY		<1400-1430>	A3E				RUS	VoRussia		OL72	HARTS
18152		2007	08	DY		0000-2400	A3E				CHN		spur from jamming Sound of Hope on 18180	OL72	HARTS
21002.6		2007	08	26		<0923>	J3E/U				CLN		SINHALA SPEAKING FISHING TRAWLERS	MK82	ARSI
21015		2007	08	DY		0000-0350>	A3E				KRE	VoKorea		OL72	HARTS
21080		2007	08	DY		0000-0350>	A3E				KRE	VoKorea		OL72	HARTS
21112.5		2007	08	07	00:46		J3E/U						Other, +1 more report		JARL
21117.5		2007	08	21	01:07		J3E/U						Other		JARL
21242		2007	08	07	00:48		J3E/U						Other		JARL
21420		2007	08	DY		0000-0350>	A3E				KRE	VoKorea		OL72	HARTS
21445		2007	08	DY		0000-0350>	A3E				KRE	VoKorea		OL72	HARTS
24910		2007	08	DY		0000-0350>	A3E				KRE	VoKorea		OL72	HARTS
24940	100	2007	08	DY		0100-1000	PXX			50	CHN		CODAR	OL72	HARTS
24950	100	2007	08	DY		H24	PXX						Codar Sea State Radar		NZART
28000		2007	08	DY		HX24	A3E/F3E				CHN		Chinese C.Bers every 5 kHz		NZART

kHz	YYYY	MM	DD	GMT	Call	Comment	Spotter
1821.0	2007	08	17	1002	AA1K	369 below dragon now ...	JL8GFB
3500.1	2007	08	05	2332	BY7RADAR	to 3564	VR2MX
3501.0	2007	08	30	1206	3D2MT	in heavy QRM by USB Music	JA8DNV
3504.0	2007	08	01	1130	HC/PUN/B	S9 mcw id OK, no voz	HP3XUG
3504.0	2007	08	05	1131	HC/PUN/B	S9, gud mcw ID, nil voz	HP3XUG
3504.0	2007	08	07	1148	HC/PUN/B	S6-9, mcw ok no voz	HP3XUG
3504.0	2007	08	08	1132	HC/PUN/B	S9 mcw ID weak but copiable,	HP3XUG
3504.0	2007	08	11	1126	HC/PUN/B	S9 gud mcw ID, nil voz ID	HP3XUG
3504.0	2007	08	11	1131	HP3XUG	gm Louis pun=s4 out west	W6UC
3504.0	2007	08	12	1134	HC/PUN/B	S9, only MCW Q4 copiable ID	HP3XUG
3504.0	2007	08	13	0150	HC/PUN/B	S9 mcw ID OK, voz nil	HP3XUG
3504.0	2007	08	13	1137	HC/PUN/B	S6-8 mcw ID ok, no voz	HP3XUG
3504.0	2007	08	14	1130	HC/PUN/B	S8, af mcw Q3 this AM	HP3XUG
3504.0	2007	08	15	1139	HC/PUN/B	S9 carrier, NO Mods copied?	HP3XUG
3504.0	2007	08	16	1142	HC/PUN/B	S9 car, nil mods	HP3XUG
3504.0	2007	08	17	0302	HC/PUN/B	S9 no mcw nor voz ID!	HP3XUG
3504.0	2007	08	17	1045	HC/PUN/B	S7-9 No mcw nor voz ID	HP3XUG
3504.0	2007	08	17	1149	HC/PUN/B	S7-9 NO ID info	HP3XUG
3504.0	2007	08	18	1133	HC/PUN/B	S8 no modultn	HP3XUG
3504.0	2007	08	19	1136	HC/PUN/B	S9 no mod ID	HP3XUG
3504.0	2007	08	19	2358	HC/PUN/B	@1752 KHZ TO 21.024 NO MOD	HP3XUG
3504.0	2007	08	20	1133	HC/PUN/B	S0 no mods/ID	HP3XUG
3504.0	2007	08	20	2321	HC/PUN/B	S4-7, no mcw/voz ID	HP3XUG
3504.0	2007	08	21	1141	HC/PUN/B	S7-9 no ID mods	HP3XUG
3504.0	2007	08	25	2323	HC/PUN/B	ALL TO 19272 CAR ONLY	HP3XUG
3504.0	2007	08	26	1136	HC/PUN/B	7008 both S9, no mods	HP3XUG
3504.0	2007	08	27	1133	HC/PUN/B	S9 no mods, 7008 also	HP3XUG
3504.0	2007	08	28	1138	HC/PUN/B	& 7008 S9 no mod ID	HP3XUG
3504.0	2007	08	31	1154	HC/PUN/B	7008 to 12264 sigs no mod ID	HP3XUG
3518.0	2007	08	02	0959	BY7RADAR	to 3587	VR2MX
3540.0	2007	08	21	1052	INTRUDER	USB voice in CW Band	DJ8OG
3540.0	2007	08	21	1057	SSB	not exclusive, fishing vessel	DJ4EY
3540.0	2007	08	21	1437	INTRUDER	USB voice in CW Band	DJ8OG
3540.0	2007	08	21	1437	SRI	sri wrong spot :-)	DJ8OG
3657.0	2007	08	25	0401	PIRATES	Pirates bad lang beware!	G7LFG
3710.0	2007	08	01	2329	BY7RADAR	to 3775	VR2MX
3790.0	2007	08	14	1149	NU1RADAR	more qrn from s Pac	W6UC
3790.0	2007	08	25	1237	BY7RADAR	qrm from our friends in china	W6UC
3813.0	2007	08	02	0959	BY7RADAR2	to 3880	VR2MX
7000.0	2007	08	01	1846	BYRADAR	tu china once agn	VKSWL
7000.0	2007	08	05	1918	BY-OTHR	Darn QRM	SWL
7000.0	2007	08	12	2245	VK6HD	By radar bad today	VK6HD
7000.0	2007	08	13	0153	PUN	What does PUN mean?	KW2HV
7000.0	2007	08	16	0915	JAMER	Chinese dragon again	JA1DUH
7000.1	2007	08	01	2330	BY7RADAR	to 7025	VR2MX
7000.1	2007	08	02	0809	BY7RADAR	to 7040	VR2MX
7000.1	2007	08	02	1001	BY7RADAR	to 7045, 40 over	VR2MX
7000.1	2007	08	02	2310	BY7RADAR	to 7100 and beyond, 40 over	VR2MX
7000.1	2007	08	06	1110	BY7RADAR	to 7030, 30 over	VR2MX
7001.0	2007	08	25	1108	BY7RADAR	thx china	W6UC
7002.4	2007	08	24	1633	RN1NA	good sigs but radar	VK6DU
7003.0	2007	08	01	0632	EA'S FISHE	in USB intruder's !	F6BUM
7005.3	2007	08	03	1454	YC1KAF	radar S9, YC is 10 over 9	VK6DU
7007.8	2007	08	22	1501	9M2PPP	was S9 equal with radar QRM	VK6DU
7008.0	2007	08	01	1139	HC/PUN/B	S8, mcw ok voz nil-vy wk	HP3XUG
7008.0	2007	08	05	1133	HC/PUN/B	S9 both mcw/voz ID gud, QRM a	HP3XUG
7008.0	2007	08	07	1148	HC/PUN/B	S7-9 mcw/voz good copy	HP3XUG
7008.0	2007	08	08	1133	HC/PUN/B	S6-7 weak IDs	HP3XUG
7008.0	2007	08	11	1127	HC/PUN/B	S5 weak, nil cpy IDs	HP3XUG
7008.0	2007	08	12	1135	HC/PUN/B	S8 gud mcw/vox ID, qrm ssb &	HP3XUG
7008.0	2007	08	13	0151	HC/PUN/B	S9 MCW & voz Q5 strong	HP3XUG
7008.0	2007	08	13	1138	HC/PUN/B	S9 gud mcw/voz ID	HP3XUG
7008.0	2007	08	14	1131	HC/PUN/B	weak no ID, Barf BY Radar?	HP3XUG
7008.0	2007	08	15	1139	HC/PUN/B	S9 and NO mods!?	HP3XUG
7008.0	2007	08	16	1142	HC/PUN/B	S9 carrier, lil QSB No mods	HP3XUG
7008.0	2007	08	17	0304	HC/PUN/B	S5-8, no mcw nor voz ID	HP3XUG
7008.0	2007	08	17	1046	HC/PUN/B	No sigs at all - props!	HP3XUG
7008.0	2007	08	17	1149	HC/PUN/B	S7-9 NO ID, 10512 also inS6	HP3XUG

7008.0	2007	08	18	1132	HC/PUN/B	S9 no modultn still	HP3XUG
7008.0	2007	08	19	1138	HC/PUN/B	S6-9 no mce nor voz IDs	HP3XUG
7008.0	2007	08	20	1134	HC/PUN/B	S9 no ID mods	HP3XUG
7008.0	2007	08	20	2322	HC/PUN/B	S7-9 no mcw/voz ID	HP3XUG
7008.0	2007	08	21	1142	HC/PUN/B	S9 to +15d, no ID mods	HP3XUG
7008.8	2007	08	01	0837	PUN	??? heading S from W2	W2RU
7008.9	2007	08	13	0145	PUN	PUN??? in CW 559 in Patagonia	LU6YCB
7009.0	2007	08	13	0143	PUN	%BFPUN?? in CW	LU6YCB
7010.4	2007	08	26	1410	VK5MAV	thru BY radar	AA7CQ
7015.0	2007	08	23	1401	BU2AI	Hsing. 569 w/o RADAR	W6FA
7016.0	2007	08	07	1147	FW0MO	sri radar 10 over 9	VK6DU
10100.0	2007	08	18	0631	OTHR	Cyprus radar	SM0BRF
10110.0	2007	08	22	2128	NOISE	UP TO 10135	ON4KNP
10115.0	2007	08	16	1341	BY7 RADAR		KQ2I
10117.0	2007	08	22	2138	RADAR	30m Dead Radar sig fr China	JA
10117.0	2007	08	23	2047	CHINA	30m occupation by China	JA
10120.0	2007	08	22	1813	OTHR	20 kHz wide	G8HOA
10120.0	2007	08	23	2042	CHINA	30m Dead Radar sig fr China a	JA
10120.0	2007	08	23	2048	OTHR	Not China but 5B4	G8HOA
10120.0	2007	08	23	2133	QRM	59 +20 Here in Kuwait	9K2HN
10133.0	2007	08	22	2125	NOISE	9+20 Db !	IK4OLQ
10137.0	2007	08	22	2133	RADAR	RADER signal 20dB from China	JA
10140.0	2007	08	23	0515	RADAR	Chinese Radar wiping out band	ZL2FT
10141.0	2007	08	14	2310	VE9DX	radar S9 here sri	VK6DU
13710.0	2007	08	25	0209	RADIO CAN	PHASE NOISE KILLING 20m	W0YR
14007.8	2007	08	05	1214	QRM	data intruder and qrmer at wa	W3RJ
14010.0	2007	08	28	0653	INTRUDER	ssb spanish voice	SP4NKU
14012.0	2007	08	28	0652	PIRATES	SSb-Pirates	DK7NU
14015.0	2007	08	08	2149	PUN	Pista Las Penas-Ecuador	HP1AC
14015.0	2007	08	09	2326	PUN	Pista Las Penas-Ecuador	HP1AC
14015.0	2007	08	10	2251	PUN	Pista Las Penas-Ecuador	HP1AC
14015.0	2007	08	15	2041	PUN	did they fix it ??? Tnx GOD	HP1AC
14015.6	2007	08	01	0050	PUN	Intruder?	W9SE
14016.0	2007	08	16	1144	HC/PUN/B	just det car, too early yet	HP3XUG
14016.0	2007	08	19	1821	PUN	HC intruder only carrier no v	HP1AC
14016.0	2007	08	20	2324	HC/PUN/B	HIGHEST FREQ HRD, NO MODS	HP3XUG
14040.0	2007	08	28	0919	PIRATES	USB	SP1NQN
14065.0	2007	08	01	0015	KBCST/DU	voice of america, peaks 10 ov	VR2MX
14065.0	2007	08	09	0000	KBCST/DU	voice of america	VR2MX
14193.0	2007	08	18	1843	RTTY	INTRUDER ? = NON STD RTTY	PA0RSM
14196.0	2007	08	25	2339	AM1STATION	intruder alert, asian broadca	VK6DU
14320.0	2007	08	19	1831	INTRUDER	am - deutschsprachig	ON5EN
14320.0	2007	08	19	1841	BROADCAST	aus OE ??? AM	DL4PY
14320.0	2007	08	19	1842	BROADCAST	nothing here	OE3GCU
14320.0	2007	08	19	1847	BROADCAST	Overtone 7160	SM2LIY
14320.0	2007	08	19	1849	BROADCAST	4/8 HERE	G0VFB
18077.0	2007	08	26	0926	JE7RIT	OTHR nw QRM 18m	V73NS
18135.0	2007	08	09	1112	C0MMERCIAL	who is this AM Broadcast stat	ZS1Y
21212.0	2007	08	17	0845	INTRUDER		IN3BAO
28000.0	2007	08	14	1813	UAFM	cw band full of FM radio	DL8LAQ
28000.0	2007	08	21	1044	TAXI	Abt 40-50 bases Ru,Kz TAXI	UA3QDX
28015.0	2007	08	26	1222	TAXI		UT7QF
28035.0	2007	08	21	1006	TAXI	280dgr FM	UA3QDX
28055.0	2007	08	21	1007	TAXI	270dgr	UA3QDX
28065.0	2007	08	21	1009	TAXI	270 dgr,FM	UA3QDX
28074.9	2007	08	26	1222	TAXI		UT7QF
28075.0	2007	08	21	1008	TAXI	270dgr FM	UA3QDX
28085.0	2007	08	25	1354	RW4PL	RTTY on top of taxi qrm	UZ2HZ
28105.0	2007	08	26	1219	TAXI	from Russia	UT7QF
28125.0	2007	08	26	0629	TAXI	UKRAINA TAXI 100-140 FM	RU6YY
28165.0	2007	08	26	1220	TAXI	from Russia	UT7QF
28205.0	2007	08	21	1026	TAXI	Urengoy,R9J,FM s9+10	UA3QDX
28213.0	2007	08	21	0909	TAXI	from Russia in FM	DH5MM
28215.0	2007	08	26	1221	TAXI		UT7QF
28225.0	2007	08	04	1039	REAL	taxi	UA3QDX
28265.0	2007	08	08	0738	L/BEACON	taxi FM as well....	DK5KMA
28295.0	2007	08	15	0817	PIRAT	CB from EA	DL5IAH
28505.0	2007	08	21	1042	TAXI	WOW FM,+40-R4..	UA3QDX
28925.0	2007	08	21	1018	TAXI	Kamyshin,R4A,FM +20	UA3QDX

28935.0	2007	08	21	1051	TAXI	,,Penza,,R4F,Kolbasy Solovyev	UA3QDX
28935.0	2007	08	21	1054	TAXI	FM 30 DB	RX3DQX
28940.0	2007	08	22	0842	TAXI	Russian taxi on fm	SPSWL
29005.0	2007	08	21	1039	TAXI	Kazakhstan	UA3QDX