



Monitoring System

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Acknowledgements

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++ IRTS: EI4GXB - Ger ++ MARL: 9H1M – Dominic ++ MRASZ: HA7PL - Laci ++ OEVS: OE3DMA – Alex ++
++ RAL: OD5RI – Riri ++ REP: CT4AN – Jose and CT1JTQ – Angelo ++ RSGB: G4BOH - Chris ++
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Part 1: News and infos

Part 2: Detailed reports from the national co-ordinators

Screenshots and measurements: DK2OM with Wavecom decoders or Perseus

Part 1: News and Infos

1. Strong interference by a neighbored Plasma TV – the endless story ...

My daily monitoring work is severely affected by a neighbored Plasma TV since more than one year. The range from 100 kHz to 30 MHz is concerned from 07 – 24 UTC and later!

2. CT4AN reports, that the Amateurradio bands are daily disturbed by strong PLC signals in Portugal! The table shows his results.



3. 7089.9 kHz – weatherfax from Sevastopol, Ukraine – still active

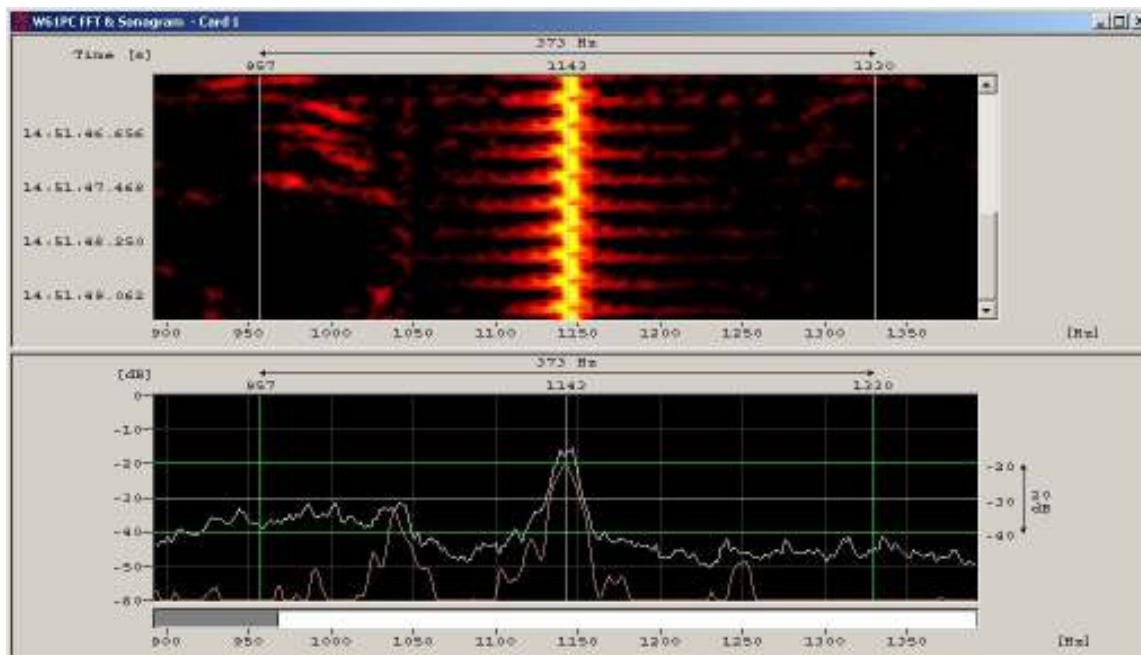
We found a weatherfax on 7089.9 kHz with daily transmissions from 1340 - 1440 utc.

The parameters: 60 rpm – IOC: 576, shift 770 Hz, transmitting from an old fax machine.

Location: Possibly Russian Navy Base Sevastopol. .

4. Harmonic from Radio Tajikistan on 14295.143 kHz, daily audible in March

The screenshot shows the 3rd harmonic from Tajik Radio on 4765 kHz. The carrier on 14295.143 kHz is unstable and unclear. The German PTT (BNetzA) sent a complaint to Tajikistan in December 2008!



5. Homepage IARUMS Region 1 <http://www.iarums-r1.org>

Homepage IARUMS Region 2 <http://www.tg9ajr.net/Welcome.html> (provisional)

Homepage IARUMS Region 3 <http://www.iaru-r3.org/ms/>

Part 2: Detailed reports from the national Co-ordinators

DD = day *** MM = month *** dly = daily *** vt = various times *** vd = various days *** pps = pulses per second (radar systems) *** BD = Baud *** SH = Shift *** Mode = mode of transmission *** A3E = AM *** A1A = CW *** J3E-U = USB *** J3E-L = LSB *** FSK (F1B) = frequency shift keying *** PSK = phase shift keying *** MPSK12 (J7D) = 12 channel phase shift keying *** ALE (MIL-188-141A) = automatic link establishment *** MUX = multiplex *** Ui (uniden) = unidentified *** Illicit = illegal *** UiILL = unidentified illegal *** BC = broadcast *** MIL = military *** PTR = printer *** NGO = non governmental organization *** ITU = ITU country abbreviation *** PRC = People's Republic of China *** PLA = People's Liberation Army *** MFA = Ministry of Foreign Affairs *** MOI = Ministry of Interior *** MOPO = Ministry of Public Order *** IARUMS = IARU Monitoring System *** UTC = Universal Time Coordinated

ARSK MONITORING REPORT FOR March, 2009

Due to illness and my absence in UK there was no monitoring in January or February. I have now resumed but at rather lower intensity. We had the usual intruders from Somalia, Ethiopia, Sudan and Francophone central Africa. The latter are difficult to place by country since the vernacular languages are not well known here and French is universal. No HF intruders were observed in Kenya, Uganda and Tanzania, but Rwanda and Burundi may be affected, using Kinyarwanda and French. .

A start has been made on covering the new Amateur segment 7100 – 7200 KHz although CCK has yet to acknowledge or act upon our request for access to it. Several broadcast stations are still using it, one probably Khartoum and another Addis Ababa, but confirmation is required.

The Voice of the Broad Masses, Eritrea, remains firmly on 7100 KHz.

E.H.M. Alleyne, 5Z4NU

ARSK National IARUMS Co-ordinator

ARSK – Kenya – 5Z4NU (Ted)

H'd by	kHz	UTC	DD	MM	ITU	Identity	MODE	Details
ARSK	6999.0	vt	dly	3	ETH?	UiPHONE	J3E	Amharic. Spreads into 40 m. band.
ARSK	7000.0	vt	*	3	SOM	Boccaro, Bossasso	J3E	Somalis. *
ARSK	7000.0	vt	*	3	SDN?	UiPHONE	J3E	English, KiSwahili. NGO? Message traffic, phonetics *17,25,
ARSK	7002.0	0640	26	3	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7005.0	0557	16	3	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7007.0	0655	20	3	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7008.0	vt	dly	3	SDN	ET, M7, M10, M18, M21, M22, M125, 35,58, 32, CM, WL2	J3E J3Eu	English, vernaculars, verbal Morse.Selcal. SPLA. Both sidebands used. Also uses 6877 KHz. USB.
ARSK	7009.0	0827	30	3	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7011.0	vt	*	3	SOM	UiPHONE	J3Eu	Somalis.*27,28,30,
ARSK	7012.0	vt	dly		SOM	UiPHONE	J3Eu	Somalis.
ARSK	0716.0	0654	20	3	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7017.0	vt	*	3	SOM	UiPHONE	J3Eu	Somalis.*20,30,
ARSK	7022.0	vt	*	3	SOM	UiPHONE	J3Eu	Somalis.*6,16,28,
ARSK	7025.0	0815	28	3	ZAI	UiPHONE	J3Eu	French, vernacular.
ARSK	7025.0	vt	*	3	SOM	UiPHONE	J3Eu	Somalis.*16,
ARSK	7027.0	vt	*	3	SOM	UiPHONE	J3E	Somalis.*20, 21,27,
ARSK	7030.0	0635	27	3	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7031.0	vt	*	3	SOM	Baidoa	J3Eu	Somalis. *21,
ARSK	7032.0	vt	26	3	SDN	UiPHONE	J3E	S. Sudan? NGO?
ARSK	7035.0	0828	30	3	SOM	UiPHONE	J3Eu	Somali, calling Bulla Hawa.
ARSK	7040.0	vt	*	3	ETH	UiPHONE	J3E	Amharic.*20,26,27,
ARSK	7042.0	vt	*	3	SOM	UiPHONE	J3Eu	Somalis.*16,21,
ARSK	7045.0	vt	*	3	SOM	UiPHONE	J3Eu	Somalis.*16,30,
ARSK	7045.0	vt	dly	3	SDN	MM, NE, NU, AA, AK, AJ,	J3E J3Eu	Vernacular, Dholuo? English, phonetics. SelCal. Sudan, NGO,

H'd by	kHz	UTC	DD	MM	ITU	Identity	MODE	Details
						AL, AT, AO, DU, WL1, WL2, WL4, WL5, WL6, WL9, WL10, BR, WM, NU, MAJ, Ikola? Kabwe, Kalulu		SPLA or SNLA? Sends messages in phonetic five letter groups, probably a single-substitution cypher. Once heard sendig five letter code groups, presumablyan encrypted mssage.
ARSK	7046.0	vt	*	3	SOM	UiPHONE	J3Eu	Somalis. *26,27,
ARSK	7048.0	vt	dly	3	SDN	WA, S, T, SM, AU, PK, PS, AC, BC, B3, B7, B8, B9, B15, CC, Malakal, Yambio,	J3E	English, vernacular, verbal Morse. NGO or SPLA? Some Arabic heard.
ARSK	7055.0	1406	17	3	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7056.0	0644	26	3	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7057.0	vt	*	3	SOM	UiPHONE	J3Eu	Somalis. *27,30,
ARSK	7066.0	vt	dly	3	SDN	B1, B2, AT, K1, KT, CT, TI, BT, B2, KR, JT, P1, LL, LA, A25, BJ, RK1, RK2, KA	J3E	S. Sudan. English, & Nilotic language. NGO? Also uses 5712 KHz.
ARSK	7066.0	vt	*	3	SOM	UiPHONE	J3E	Somalis. *16,21,
ARSK	7069.0	vt	*	3	SOM	UiPHONE	J3Eu	Somalis. *20, 26,
ARSK	7070.0	vt	dly	3	SOM ERI	Asmara, Afmadu, Dobleh, Baidoa, Merere, Garoe, Burhane, Mogadishu, Kismayu, Beletwein	J3Eu	Somalis. SelCal.
ARSK	7072.0	0603	16	3	SOM	UiPHONE	J3Eu	Somalis. Phonepatching.
ARSK	7075.0	0639	27	3	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7077.0	vt	*	3	SOM	UiPHONE	J3E	Somalis. *16,21,
ARSK	7079.0				SOM	UiPHONE	J3Eu	Somalis.
ARSK	7085.0	0830	30	3	SOM	UiPHONE	J3E	Somalis.
ARSK	7089.0	dly	*	3	SOM	UiPHONE	J3Eu	Somalis. Switches sidebands.
ARSK	7100.0	vt	dly	3	ERI	VOBM	A3E	Broadcast. Voice of the Broad Masses, Eritrea.
ARSK	7110.0	0833	30	3	?	UIBC	A3E	Broadcast, Amharic music?
ARSK	7169.0	0835	30	3	?	UiBC	A3E	Broadcast. African music
ARSK	7195.0	0837	30	3	?	UiBC	A3E	Broadcast. African music.

DARC – Germany – Part 1 – DJ9KR (Ui) / DK2OM (Wolf)

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
DARC	1845 - 29700	ady	dly	03	xxx	D	Plasma-TV	Plasma TV in neighbouring house of DK2OM making monitoring vy difficult
DARC	3505,0	2142	11	03	J3E-U	F	UiILL	French fishery
DARC	3510,0	2245	01	03	J3E-U	G	UiILL	UK fishery, very obscene
DARC	3510,0	2231	03	03	J3E-U	G	UiILL	UK fishery, very obscene
DARC	3516,0	1943	11	03	J3E-U		9EQ1	male persons
DARC	3520,0	1746	19	03	J3E-U	HOL	UiILL	2 male persons in Dutch language, big enginge noise
DARC	3521,2	1934	31	03	J3E-U	I	UiILL	Italian pirates
DARC	3526,0	1928	31	03	J3E-U	HOL	UiILL	Dutch fishery
DARC	3535,0	1748	18	03	J3E-U	I	UiILL	male net in Italian voice
DARC	3535,0	vt	vd	03	J3E-U	F	UiILL	French fishery heard 04 05 06 at 0828, 1646, 2318
DARC	3540,0	2328	08	03	J3E-U	F	UiILL	French fishery
DARC	3550,0	0741	02	03	A3E	F	French Lis	not conform to IARU Band Plan: AM in

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
							Amateurs	CW Section
DARC	3550,0	1559	13	03	J3E-U	F	UiILL	2 French male persons
DARC	3550,0	vt	19	03	A3E	F	F5DQH	OP Michel, heard 0759 - 0807 - is not conform to IARU Bandplan: AM in CW section!
DARC	3550,0	vt	19	03	A3E	F	F8BSV	OP Alain, heard 0759 - 0807 - is not conform to IARU Bandplan: AM in CW section
DARC	3550,0	vt	20	03	A3E	F	F1APJ	OP Christophe - heard 0815 - 0829
DARC	3550,0	vt	20	03	A3E	F	F5DQH	OP Michel - heard 0815 - 0829
DARC	3550,0	vt	20	03	A3E	F	F6ACB	OP Roland - heard 0815 - 0829
DARC	3550,0	vt	20	03	A3E	F	F6AIM	OP Jean-Pierre - heard 0815 - 0829
DARC	3550,0	0823	22	03	A3E	F	F6ACB	OP Roland - and other French hams
DARC	3550,0	vt	vd	03	A3E	F	French Lis Amateurs	daily heard 0600 - 0830 - is in contradiction to IARU BANDPLAN - only CW in this range
DARC	3550,0	vt	vd	03	J3E-U	F	UiILL	French fishery heard 10 20 at 2026, 2121
DARC	3555,0	2058	03	03	J3E-U	E	UiILL	Spanish fishery
DARC	3585,0	2302	24	03	J3E-U	CIS	UiILL	net in Russian voice, scrambled voice
DARC	3588,0	0834	12	03	J3E-U	HOL	UiILL	fishery from the Netherlands, engine noise
DARC	3590,0	0857	12	03	J3E-U	E	UiILL	Spanish fishery
DARC	3590,0	1021	13	03	J3E-U	E	UiILL	2 Spanish male persons
DARC	3600,0	1759	01	03	A3E	F	French Lis Amateurs	not conform to IARU Band Plan: AM in CW Section
DARC	3600,0	2113	04	03	J3E-U	HOL	UiILL	pirates, fishery from the Netherlands
DARC	3600,0	2030	28	03	A3E	F	French Lis Amateurs	not conform to IARU Band Plan: AM in CW Section
DARC	6999,0	0828	08	03	J3E-U	GRC	UiILL	large net of Greek male voices
DARC	7000,0	1450	05	03	J3E-U		UiILL	unid pirate net
DARC	7000,0	vt	13	03	J3E-U	I	UiILL	3 male persons in Italian, heard 1711 - 1715 - SSB-USB
DARC	7000,0	1629	18	03	J3E-U	CLN	UiILL	Sri Lankan fishery
DARC	7000,0	vt	21	03	J3E-L	I	IK7WDT	OP Nunzio - calling IK0WW, Salvatore, Roma - heard 1255 - 1300 - SSB-LSB is out-of-band operation!
DARC	7000,0	vt	21	03	J3E-L	I	IK0WW	Salvatore, Roma - heard 1255 - 1300 - SSB-LSB is out-of-band operation!
DARC	7000,0	1559	23	03	J3E-L	INS	UiILL	Indonesian male voices
DARC	7000,0	0835	25	03	J3E-U	CIS	UiILL	net in Russian voice, male persons
DARC	7000,0	0958	27	03	J3E-U	POR	UiILL	pirates in Portuguese voice
DARC	10101,0	vt	vd	03	J3E-U	MRC	UiILL	fishery heard 28 30 at 1937, 1912
DARC	10102,7	1708	14	03	J3E-U	CLN	UiILL	Sri Lankan fishery
DARC	10111,1	1016	13	03	J3E-U	MRC	UiILL	2 males in Arabic
DARC	10115,0	1935	26	03	J3E-U	E	UiILL	pirates from Spain, only using names
DARC	10119,0	1645	03	03	J3E-U	M.Ea	UiILL	net of male persons from Middle East
DARC	10120,0	1635	02	03	J3E-U	E	UiILL	female Spanish voice "cambio"
DARC	10125,1	1703	24	03	J3E-U	MRC	UiILL	fishery
DARC	10130,0	1656	20	03	J3E-U		UiILL	net in Arabic voice, one OP is Naghib
DARC	10130,5	1950	31	03	J3E-U	MRC	UiILL	Moroccan fishery
DARC	10131,8	1631	02	03	J3E-U	S.As	UiILL	S.As male voices
DARC	10132,0	0912	24	03	J3E-U		UiILL	unid male voice
DARC	10133,7	1658	20	03	J3E-U		UiILL	unid pirate net
DARC	10135,1	1017	13	03	J3E-U	MRC	UiILL	2 males in Arabic
DARC	10142,0	1629	02	03	J3E-U		UiILL	male voice
DARC	14000,0	0859	12	03	J3E-U	E	UiILL	Spanish fishery
DARC	14000,0	1755	17	03	J3E-U	MRC	UiILL	Moroccan fishery
DARC	14000,0	1901	28	03	A3E	ISR	ULX2 (Mossad)	female voice "ULX2" repeated
DARC	14000,0	1937	31	03	J3E-U	ARG	LU4	pirates from Argentina, using call "LU4"
DARC	14000,0	vt	vd	03	J3E-U	CLN	UiILL	pirates in Tamil language, heard 03 04 at 1438, 1520
DARC	14000,0	vt	vd	03	J3E-U	B	UiILL	pirates from Brasil, talking about "Paraná" - heard 26 29 at 1933, 1929
DARC	14001,0	vt	vd	03	J3E-U	CLN	UiILL	pirates in Tamil language
DARC	14001,2	1438	20	03	J3E-U	CLN	UiILL	pirates in Tamil language, heard 03 04 at

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
								1145, 1038
DARC	14001,5	1325	29	03	J3E-U	CLN	UiILL	pirates in Tamil language
DARC	14014,0	1951	28	03	J3E-U	MRC	UiILL	Moroccan fishery, from 10101
DARC	14028,8	1758	25	03	J3E-U	MRC	UiILL	fishery
DARC	14046,2	1602	22	03	J3E-U		UiILL	unid male voice
DARC	14050,0	0932	28	03	J3E-U	E	UiILL	Spanish fishery, male to female
DARC	14100,0	1957	28	03	J3E-U	POR	UiILL	persons in Portuguese voice, no calls
DARC	14320,0	1356	20	03	J3E-U	CLN	UiILL	pirates from Sri Lanka
DARC	14348,0	0858	10	03	J3E-U	E	UiILL	male to female in Spanish family traffic "hasta manana" (till tomorrow)
DARC	14350,0	0905	06	03	J3E-U	E	UiILL	male to female in Spanish family traffic "hasta manana" (till tomorrow)
DARC	18100,9	1124	25	03	J3E-U	CLN	UiILL	pirates from Sri Lanka
DARC	18101,3	1054	22	03	J3E-U	CLN	UiILL	pirates from Sri Lanka
DARC	18111,0	1126	25	03	J3E-U	F.E	UiILL	pirates from Far East

DARC – Germany – Part 2 – DK2OM (Wolf) / Dj9KR (Ui)

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	1810,0	1950	01	03	A3E	POL	Polish Pip			10 tones, location North of Poland, daily, all day
DARC	1810,0	vt	vd	03	A3E	POL	The Pip			10 tones, location Northern Poland coast of Baltic Sea - heard 04 05 06 at 2033, 2238, 0603
DARC	1896,5	vt	vd	03	G7D	D	UiMUX	2k4		Stanag-4285, 2k4, 8PSK, 600 bps - heard 18 - 27 daily, time 1830 - 2020 - location Ruegen Island - is German Navy
DARC	3500,0	**	**	**	****		Notice			The range 3500 - 3800 kHz is also allocated to the Fixed Service on a primary basis. The BC Service (Radio Korea-North) is not allowed!
DARC	3500,0	2222	01	03	G7B		UiMUX			frequency hopper
DARC	3500,7	1714	17	03	F1B	RUS	UiPTR	41	250	unid printer 40,5 Bd, system FROST-1, location West of Moscow
DARC	3501,0	1730	25	03	F1B	LTU	UiPTR	75	200	unid printer
DARC	3503,0	2225	04	03	FSK8	ALG	UiMUX	125	1750	ALE, selcalls ZT20, ND25, AB20 - is ALG MIL, daily
DARC	3503,5	2031	08	03	FSK8	G	UiMUX	125	1750	ALE, selcalls XSS, XPU - is British MIL Tascomm
DARC	3505,0	2005	09	03	FSK8	MRC	UiMUX	125	1750	ALE, selcalls 3333, 2221 - is MRC oil net, daily
DARC	3507,4	1840	09	03	G7D		UiMUX			Link-11, SLEW, unid
DARC	3510,0	2305	18	03	G7B		UiMUX			frequency hopper
DARC	3516,0	2225	01	03	G7B		UiMUX			frequency hopper
DARC	3516,0	2227	01	03	FSK8	ALG	UiMUX	125	1750	ALE, selcalls ZT30, FS33 - is ALG MIL, daily
DARC	3518,0	2006	24	03	J7D	BLR	UiMUX			MPSK-12, AT-3004-D, is in the East of Belarus
DARC	3525,5	1459	03	03	J7D	UKR	UiMUX	120	2600	MPSK-12, AT-3004-D
DARC	3526,8	1730	18	03	J7D	F	UiMUX			Link-11, location Marseille
DARC	3533,8	2237	01	03	J7D	F	UiMUX			Link-11, location Brest
DARC	3535,0	2236	01	03	J7D	BLR	UiMUX			MPSK-12, AT-3004-D, location Minsk
DARC	3540,0	2126	02	03	J7D	UKR	UiMUX			MPSK-12, AT-3004-D, QPSK - location Sevastopol
DARC	3540,0	1855	19	03	J7D	UKR	UiMUX			MPSK-12, AT-3004-D, 120 Bd, QPSK
DARC	3541,8	2105	20	03	G7D	TUR	UiMUX	2k4	2600	Stanag-4285, 2k4, 8PSK, 600

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
										bps long
DARC	3544,8	2023	22	03	G7D	TUR	UiMUX	2k4		Stanag-4285, 2k4, 8PSK, 60 bps long
DARC	3545,0	vt	vd	03	G7D	TUR	UiMUX	2k4		Stanag-4285, 2k4, 8PSK - location Ankara
DARC	3549,0	1925	06	03	J7D	BLR	UiMUX	120	2600	MPSK-12, AT-3004-D, QPSK, location ship in Black Sea
DARC	3550,0	0741	02	03	A3E	F	French Lis Amateurs			no BC but French Lis Hams, AM in CW section
DARC	3550,0	0741	02	03	FSK8	ALG	UiMUX	125	1750	ALE, selcall FS30 - is ALG MIL
DARC	3550,0	1735	04	03	G7B		UiMUX			frequency hopper
DARC	3550,8	2057	04	03	J7D	ISR	UiMUX	75	2600	MIL-188-110A, hybrid modem, QPSK
DARC	3552,0	2120	26	03	F1B	RUS	RDL Russian Navy	50	250	printer, RUS Navy Murmansk
DARC	3553,8	1758	01	03	G7D	TUR	UiMUX	2k4		Stanag-4285, 2k4, 8PSK, TUR MIL, daily, all day
DARC	3560,1	1542	01	03	A3E	KRE	Voice of Korea (North)			daily active
DARC	3566,0	1729	06	03	J7D	BLR	UiMUX			MPSK-12, AT-3004-D, QPSK, location West Belorus
DARC	3567,0	2020	22	03	F1B		UiPTR	100	850	unid printer
DARC	3568,0	1844	09	03	J7D		UiMUX	120	2600	MPSK-12, AT-3004-D
DARC	3585,0	2100	04	03	F1C	KOR	UiMUX			weather fax 120 rpm, IOC576, daily
DARC	3586,5	vt	vd	03	G7D	BEL	UiMUX	44.5		OFDM 27 tones, 44,5 Bd, 8PSK - location Brussels - 25 reports all month, time 1730 - 1830
DARC	3590,0	1708	04	03	G7B		UiMUX			frequency hopper
DARC	3591,8	1705	04	03	J7D	I	UiMUX			Link-11, location Sardinia Island, Italy
DARC	3591,8	1100	12	03	J7D		UiMUX			Link-11, unid
DARC	3600,0	1759	01	03	A3E	F	French Lis Amateurs			AM with 2kW!
DARC	3600,0	1548	04	03	A3E	F	French Lis Amateurs			no BC, but French Lis Amateurs, not conform to bandplan of IARU: no AM in CW section - daily active
DARC	3604,7	1908	31	03	J7D	UKR	UiMUX			MPSK-12, AT-3004-D, location Kiev
DARC	3608,0	2250	24	03	F1B	LTU	UiPTR	50	200	unid printer
DARC	3611,7	1737	25	03	J7D	F	UiMUX			Link-11, location Paris, France
DARC	3617,0	2135	28	03	FSK8	F	F4BXW	125	1750	ALE, French Lis amateurs, is correct
DARC	3667,0	1735	25	03	J7D	BLR	UiMUX			MPSK-12, AT-3004-D
DARC	3756,0	1800	01	03	A3E	UKR	The Pip			10 tones, permanent
DARC	3770,0	1419	18	03	FSK8		UiMUX			ALE heard
DARC	3782,0	2129	02	03	F1B	POR	UiPTR	75	850	POR Navy HQ Lisbon
DARC	7000,0	vt	21	03	J3E-L	I	IK7WDT			OP Nunzio, calling IK0WW, Salvatore, Roma - heard 1255 - 1300 - LSB operation is out-of-band operation!
DARC	7000,0	vt	21	03	J3E-L	I	IK0WW			OP Salvatore, Roma - heard 1255 - 1300 - LSB operation is out-of-band operation!
DARC	7000,0	0905	22	03	A3E		Alfa Bravo Charlie			AM, LSB suppressed - female synthetic voice
DARC	7000,0	0907	24	03	N0N		UiCAR			carrier

CLUB	KHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	7000,0	2003	24	03	A3E		UiBC			very weak German px
DARC	7000,9	1009	05	03	ODFM	RUS	UiMUX	36.5		OFDM 60 tones + 1 pilot tone, 35,6 Bd - location Kaliningrad
DARC	7001,8	0943	31	03	G7D		UiMUX			Stanag-4285, 2k4, 8PSK
DARC	7005,5	1626	03	03	F1B	MDA	UiPTR	81	250	location Moldavia
DARC	7008,0	0919	03	03	F1B		UiPTR			unid printer
DARC	7010,0	1438	18	03	FSK8	MKD	UiMUX	125	1750	ALE, selcalls RS009, CS002 - is Macedonian MIL, daily
DARC	7012,0	0940	25	03	J7D	RUS	UiMUX			MPSK-12, AT-3004-D - location Moscow
DARC	7013,0	0830	25	03	J7D	RUS	UiMUX	120	2600	MPSK-12, AT-3004-D - location Moscow
DARC	7016,0	0907	24	03	F1B		UiPTR			fast reversals
DARC	7016,0	1015	24	03	F1B		UiPTR			printer
DARC	7018,0	1127	01	03	F1B	RUS	REA4 Moscow	50	1000	printer, idling most of the time
DARC	7018,0	0912	19	03	F1B		UiPTR			printer heard, fast reversals
DARC	7020,0	0855	10	03	XXX		UiMUX			rushing noise
DARC	7020,0	1757	12	03	G7B		UiMUX			frequency hopper
DARC	7024,0	1405	25	03	F1B		UiPTR			is active
DARC	7026,0	0951	26	03	J7D	UKR	UiMUX			MPSK-12, AT-3004-D
DARC	7028,0	vt	22	03	A3E		UiBC			distorted px heard 1602 - 1635
DARC	7030,0	1452	05	03	F1B	RUS	UiPTR	75	250	unid printer, location North Russia
DARC	7032,0	0907	24	03	F1B		UiPTR			fast reversals
DARC	7032,0	1015	24	03	F1B		UiPTR			printer
DARC	7033,0	vt	19	03	XXX		UiMUX			mux roaring noise heard 0910 - 0941
DARC	7035,0	vt	31	03	P0N		OTH-Radar			covering 7035 - 7095, heard 1300 - 1800 - report by HS0ZFL
DARC	7038,7	0905	01	03	A1A	UKR	beacon D			Sevastopol
DARC	7038,8	1120	01	03	A1A	RUS	beacon P			Kaliningrad
DARC	7038,9	vt	vd	03	A1A	RUS	beacon S			Murmansk / Severomorsk heard all month 0700 - 1800, 20 reports
DARC	7039,0	1645	03	03	A1A	RUS	beacon N			unid location
DARC	7039,0	0706	19	03	A1A	RUS	beacon C			Moscow
DARC	7039,1	1534	01	03	A1A	RUS	beacon A			Wolgograd (?)
DARC	7039,1	1743	01	03	A1A	RUS	beacon A			Astrakhan
DARC	7039,1	2009	02	03	A1A	RUS	beacon N			beacon N instead of A
DARC	7039,1	vt	31	03	A1A	RUS	beacon A			heard 1300 - 1800 - report by HS0ZFL
DARC	7039,8	0910	01	03	A1A	I	IZ3DVW			unwanted beacon!
DARC	7042,0	0856	24	03	J7D	RUS	UiMUX	120	1750	MPSK-12, AT-3004-D, location Kaliningrad
DARC	7044,0	2235	05	03	A1A	RUS	REA4 Omsk			only endless string of dots, MIL Omsk, daily
DARC	7048,0	vt	22	03	A3E		UiBC			totally distorted Ru px, S9 // 7110 - heard 1533 - 1936
DARC	7054,0	1654	17	03	A3E	IRN	IRIB			Turkish px S 9 + 10 dB, totally overmodulated and splattering, hum - fundamental found on 7125
DARC	7054,0	vt	vd	03	F1B	RUS	UiPTR	50	200	idling most of the time, 28 reports all month, heard 0700 - 2200 - location is East of Moscow - is extremely harmful!
DARC	7055,0	1537	24	03	F1B		UiPTR			not 7054!
DARC	7056,0	2002	03	03	G7B		UiMUX			frequency hopper
DARC	7056,5	1513	24	03	J7D		UiMUX			MPSK-12, AT-3004-D

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
										S9+10dB
DARC	7057,6	vt	09	03	A3E	IRN	IRIB			very much distorted signal, S9, 5 kHz spread, Quran recitals, IM from 7130 - heard 2030 - 2124
DARC	7058,0	1931	03	03	J7D		UiMUX			MPSK-12, AT-3004-D
DARC	7058,0	2004	03	03	G7D		UiMUX			Stanag-4285, 2k4, 8PSK, 60 bps long
DARC	7061,0	2104	10	03	A3E	IRN	IRIB			very much distorted px, IM of 7130
DARC	7068,0	1050	18	03	F1B		UiPTR			unid printer
DARC	7069,0	vt	13	03	A3E		UiBC			very distorted BC program, moving 7068 - 7069 - 1943 - 2145
DARC	7070,0	2000	14	03	A3E		UiBC			very distorted BC program, moving 7068 - 7070
DARC	7080,8	1650	18	03	A1A		letter "R"			string of letter R
DARC	7081,6	0910	19	03	XXX		UiMUX			mux roaring noise
DARC	7086,0	0945	27	03	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	7088,0	1452	01	03	G7B		UiMUX			frequency hopper
DARC	7089,0	vt	18	03	J7D	RUS	UiMUX	120	1750	MPSK-12, AT-3004-D heard 1650 - 2002
DARC	7089,9	vt	vd	03	F1C	UKR	UiMUX			weather fax, 60 rpm, IOC576, location Sevastopol - heard every day from 1342 - 1452
DARC	7090,0	0809	13	03	A3E	BLR	Radio Belarus			splatters from 7110
DARC	7090,6	1036	18	03	J7D	N.Eu	UiMUX			MPSK-12, AT-3004-D, possibly Russian ship North of Stockholm
DARC	7091,0	1853	22	03	A3E		UiBC			splatters from 7105
DARC	7092,0	2121	19	03	J7D		UiMUX			MPSK-12, AT-3004-D
DARC	7100,0	1939	03	03	A3E	KRE	Voice of Korea (North)			En px "This is the Voice of Korea"
DARC	7100,0	1813	13	03	A3E	KRE	Voice of Korea (North)			French px
DARC	7100,0	1933	24	03	A3E	KRE	Voice of Korea (North)			is active
DARC	7100,0	vt	24	03	A3E	KRE	Voice of Korea (North)			heard 1929 - 2004
Gi-Ber	7100,0	1935	29	03	A3E	KRE	Voice of Korea (North)			En reports, fair - at 200 in Korean very good
NDXC	7100,0		29	03	A3E	KRE	Voice of Korea (North)			reported by Hasegawa, NDXC
DARC	7100,0	vt	30	03	A3E	KRE	Voice of Korea (North)			heard 1630 - 2044
DARC	7100,0	0558	31	03	A3E		UiBC			weak signal at 0558, heard 1653 - 2005
DARC	7102,0	0901	03	03	FSK8	D	DK0ESD	125	1750	lis Ham transmitting ALE - just info
NIAR	7105,0	0300	29	03	A3E	CHN	R. China			
Gi-Ber	7105,0	2151	29	03	A3E	CHN	Menggu PBS			very weak, stopped by a carrier at 2155
Gi-Ber	7105,0	2200	29	03	A3E	TWN	Sound of Hope			start program, ids, news, got off at 2259
NDXC	7105,0	vt	29	03	A3E	CHN	Nei Menggu PBS			heard 2150, 1605

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
NIAR	7105,0	vt	29	03	A3E	IND	AIR Lucknow			
NIAR	7105,0	vt	30	03	A3E	IND	AIR Lucknow			has moved from 7105 to 7440 kHz, but is still announcing "7105 kHz"
DARC	7105,0	vt	30	03	A3E		UiBC			heard 2230 - 2245
DARC	7105,0	2230	31	03	A3E		UiBC			Chinese px?
NIAR	7110,0	0330	29	03	A3E	ETH	R. Ethiopia			
DARC	7110,0	1502	29	03	A3E		UiBC			heard 1500 - 1745, 1830 - 2005
Gi-Ber	7110,0	1845	29	03	A3E	ETH	R. Ethiopia			talks, Amharic, good
NDXC	7110,0	1900	29	03	A3E	ETH	R. Ethiopia			
DARC	7110,0	0400	30	03	A3E	ETH	R. Ethiopia			ann: Ethiopia Radio
DARC	7110,0	1530	30	03	A3E		UiBC			Far Eastern language
DARC	7110,0	vt	30	03	A3E		UiBC			0550, 0800, very weak
DARC	7110,0	vt	30	03	A3E		UiBC			heard 1333 - 1600 s/off - also 1820 - 2044
BCDX	7110,0	vt	30	03	A3E	ETH	R. Ethiopia			heard 0355 - 0500
DARC	7110,0	vt	31	03	A3E		UiBC			heard 0713, 1333, 1442, 1653, 2005
DARC	7113,5	0912	01	03	F1B	MDA	UiPTR	81	250	unid printer from Moldavia
NDXC	7115,0	vt	29	03	A3E	CHN	Nei Menggu PBS			2150, 1605, Chinese, spurious of 7105
DARC	7115,0	1203	30	03	A3E		UiBC			Oriental mx S9+20dB
DARC	7115,0	vt	31	03	A3E		UiBC			1653 Farsi, 1748, 1828, 1901, 1951
DARC	7120,0	1458	23	03	G7B		UiMUX			frequency hopper
NDXC	7120,0	vt	29	03	A3E	CHN	Xinjian PBS			1030 - 1230 Kyrgyz
DARC	7120,0	vt	30	03	A3E		UiBC			heard 1204, 1552 (weak)
DARC	7122,0	vt	vd	03	F1B	RUS	RDL	50	200	RUS Navy, ident "RDL", heard 18 27 at 1041, 0948
DARC	7122,0	vt	vd	03	F1B	S	RDL Russian Navy	50	200	Russian ship near Stockholm, heard 21 23 30 at 0905, 1453, 0938
NIAR	7125,0	0330	29	03	A3E		R. China			
DARC	7125,0	1502	29	03	A3E		UiBC			unid BC, 1640: weak
NDXC	7125,0	1930	29	03	A3E	GUI	UiBC			African Stn
Gi-Ber	7125,0	2205	29	03	A3E		Radio Conakri			talks, poor modulation, ham QRM, better around 2100
DARC	7125,0	vt	29	03	A3E		UiBC			heard 0642 - 0720, 1830 - 2005
NDXC	7125,0	vt	29	03	A3E	CHN	Xizung PBS			2100, 1800, Tibetan incl. English 1630 - 1700
DARC	7125,0	1530	30	03	A3E		UiBC			Far Eastern music
DARC	7125,0	vt	30	03	A3E		UiBC			heard 1512, 1905 (weak), 2230 - 2245 Ch
DARC	7125,0	1615	31	03	A3E		UiBC			music
DARC	7125,0	vt	31	03	A3E		UiBC			heard 1653 - 1828
DARC	7125,0	vt	31	03	A3E		UiBC			heard 0558 weak, 1442
DARC	7130,0	1532		03	A3E		UiBC			2 tx-ers heard
NIAR	7130,0	0030	29	03	A3E	CHN	R. China			
NDXC	7130,0	1000	29	03	A3E	MLA	RTM Sarawak			
DARC	7130,0	1502	29	03	A3E	CHN	UiBC			heard 1500 - 1745, Ch px at 1745
NDXC	7130,0	vt	29	03	A3E	TWN	Sound of Hope			1400 - 1800, Chinese with jammer

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
NDXC	7130,0	vt	29	03	JAM	CHN	Hainan Firedrake Jammer			1400 - 1800 music jammer
DARC	7130,0	vt	30	03	A3E	CHN	UiBC			heard 1434 - 1605 with Ch px
DARC	7130,0	vt	30	03	A3E		UiBC			unid language heard 1400 - 1532
DARC	7130,0	vt	31	03	A3E		UiBC			1653 S9+20dB, 1748 - 2px
DARC	7130,0	vt	31	03	A3E		UiBC			music heard 1403 - 1614, at 1614 S9+ signal
DW	7130,0	vt	31	03	A3E	TWN	Sound of Hope			heard 1400 - 1800, px in Mandarin
Gi-Ber	7135,0	2040	29	03	A3E	BLR	Belarus Radio-1			music, id at 2047 and 2100 with time pips, weak signal
DARC	7135,0	vt	29	03	A3E	BLR	Belarus Radio-1			heard 0600 - 1545
DARC	7135,0	vt	29	03	A3E		UiBC			heard 1200, 1500, 1935 - 2007
DARC	7135,0	vt	30	03	A3E	BLR	UiBC			heard 0550, 0800: Ru px
DARC	7135,0	vt	30	03	A3E		UiBC			heard 1204 - 2045
DARC	7135,0	vt	30	03	A3E		UiBC			Ru voice and px, heard 0910, 1205 - 1533
DARC	7135,0	vt	31	03	A3E	BLR	UiBC			heard 0713, 0825 (Ru px), 1140, 1333 (Ru px), 1441, 1653, 1828, 2005
DARC	7135,0	vt	31	03	A3E		UiBC			Ru voice and px, hear 0643, 0930 - 1612
NDXC	7140,0		29	03	A3E	KRE	Voice of Korea (North)			
NDXC	7140,0	vt	29	03	A3E	RUS	Radio Rossiye			1500, 1900, Yakutsk?, not confirmed local px
DARC	7140,0	1820	30	03	A3E		UiBC			
DARC	7140,0	vt	31	03	A3E		UiBC			heard 1828 - 1901 2 px audible
NIAR	7145,0	0030	29	03	A3E		Radio Farda			
DARC	7145,0	vt	29	03	A3E	SOM	R. Hargeisa			heard 1640 - 1830, Arabic and Holy Quran recitals (1745)
DARC	7145,0	1535	30	03	A3E		UiBC			Far Eastern music
DARC	7145,0	vt	30	03	A3E		UiBC			heard 1512 (Ar), 1605, 1820
DARC	7145,0	1611	31	03	A3E		UiBC			unid language
DARC	7145,0	1828	31	03	A3E		UiBC			
DARC	7150,0	1951	31	03	A3E		UiBC			
NDXC	7155,0	1200	29	03	A3E	CHN	Xinjian PBS			Chinese px
DARC	7155,0	1150	31	03	A3E		UiBC			very weak at 1150, also heard 1828
DARC	7160,0	vt	29	03	A3E		UiBC			heard 0838 - 0927, 1545
DARC	7160,0	vt	31	03	A3E		UiBC			heard 0832, 1333
DARC	7162,0	vt	vd	03	F1B	RUS	UiPTR	75	250	unid printer, location S.Ea of Moscow - heard 05 24 30 at 1453, 0900, 0939
DARC	7162,1	0908	30	03	F1B	RUS	UiPTR	75	250	unid printer
NIAR	7165,0	0015	29	03	A3E	CHN	R. China			
DW	7165,0	1605	29	03	A3E	CHN	R. China			px in Mandarin
Gi-Ber	7165,0	2250	29	03	A3E	CHN	Nei Menggu PBS			poor, // 9520, QRM ham
DARC	7165,0	vt	29	03	A3E	ETH	R. Ethiopia			heard 1500 - 1705, 2230 - 2245
NDXC	7165,0	vt	29	03	A3E	CHN	Nei Menggu PBS			heard 1600, 2150, Chinese px

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DW	7165,0	vt	29	03	A3E	ETH	R. Ethiopia			heard 1400 - 1500, Ar px
DARC	7165,0	0550	30	03	A3E	ETH	R. Ethiopia			
DARC	7165,0	1535	30	03	A3E		UiBC			music S9+10dB
DARC	7165,0	vt	30	03	A3E		UiBC			heard 1333 - 1825, at 1512 Ar
BCDX	7165,0	vt	30	03	A3E	ERI	Voice of Broad Masses			heard 0355 - 0500
DARC	7165,0	1441	31	03	A3E		R. Ethiopia			heaar 1441, 1653, 1748 Fr px S9+20dB, 1828
DARC	7165,0	1610	31	03	A3E		UiBC			with jammer
DARC	7165,0	2308	31	03	A3E		UiBC			Chinese px?
DARC	7166,0	0715	31	03	F1B		UiPTR			idle
DW	7170,0	1800	29	03	A3E	CHN	Xizang PBS			px in Mandarin
Gi-Ber	7170,0	2105	29	03	A3E	CHN	Xizang PBS			slow music, weak and slowly fading down
NDXC	7170,0	vt	29	03	A3E	CHN	Xizang PBS			1800, 2000, Chinese
NIAR	7170,0	vt	30	03	A3E		UiBC			heard 2005 - 2044
DARC	7170,0	1441	31	03	A3E		UiBC			very weak
DARC	7172,0	0830	10	03	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, location Arkhangelsk
NDXC	7175,0	1400	29	03	A3E	ERI	Voice of Broad Masses			is active
DARC	7175,0	1749	29	03	A3E		UiBC			Ar px, heard 1749, also heard 1830 - 1935
DW	7175,0	2000	29	03	A3E	ERI	Voice of Broad Masses			Amharic / Ar px
DW	7175,0	2000	29	03	JAM	ETH	JAM?			noise
DARC	7175,0	vt	30	03	A3E		UiBC			heard 1434 - 1901, at 1901 Ar
BCDX	7175,0	vt	30	03	A3E	ERI	Voice of Broad Masses			heard 0355 - 0500
DARC	7175,0	vt	30	03	A3E		UiBC			Far Eastern language, heard 1536 - 1615, at 1615 with jammer
DARC	7175,0	vt	31	03	A3E		UiBC			heard 0558 (very weak), 0713 (weak), 1333 (weak), 1901 - 1951 in Ar, at 2000 s/off
NDXC	7180,0	2000	29	03	A3E	KRE	Voice of Korea (North)			
Gi-Ber	7180,0	2130	29	03	A3E	KRE	Voice of Korea (North)			talks in Chinese, fair/good
NIAR	7180,0	vt	29	03	A3E	CHN	China Radio Intl.			En px, heard 0000 - 0100
DARC	7180,0	vt	30	03	A3E		China Radio Intl.			heard 2230 - 2245, Ch px
DARC	7180,0	vt	30	03	???		UiMOD			rushing noise type DRM, heard 1403 - 1640
DARC	7180,0	vt	31	03	???		UiMOD			rushing noise type DRM, heard 1408 - 1428 s/off
NIAR	7185,0	0040	29	03	A3E	BRM	Myanma r Radio			
DARC	7185,0	vt	29	03	A3E	CHN	UiBC			heard 1553, 1640, 2 px, one is Ch

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DW	7185,0	vt	29	03	A3E	TWN	Sound of Hope			px in Mandarin, heard 1400 - 1500
DW	7185,0	vt	29	03	A3E	CHN	Hainan Firedrake Jammer			heard 1400 - 1500
NDXC	7185,0	vt	29	03	A3E	TWN	Sound of Hope			Chinese px with jammer
NDXC	7185,0	vt	29	03	JAM	CHN	Hainan Firedrake Jammer			Hainan firedrake jammer
Gi-Ber	7185,0	0030	30	03	A3E	BRM	Myanmar Radio			start BC, poor/fair
DARC	7185,0	1537	30	03	A3E		UiBC			Far Eastern language, "Beijing" often mentioned
DARC	7185,0	vt	30	03	A3E	CHN	UiBC			heard 1333 - 1605, at 1434 and 1605 Ch
DARC	7185,0	vt	31	03	A3E		UiBC			heard 1150 (very weak), 1315, 1441 (2 px at the same time), 1653, 1748 S9+10dB
DARC	7185,0	vt	31	03	A3E		UiBC			Chinese voice, heard 1430 - 1608
DARC	7188,0	0801	05	03	F1B	RUS	UiPTR	81	250	unid printer, location Kaliningrad
DARC	7188,0	0911	11	03	F1B	RUS	UiPTR	75	250	unid printer, location Moscow
DARC	7188,0	0940	30	03	F1B	RUS	UiPTR	81	250	unid printer, location East of Moscow
DARC	7190,0	0908	11	03	J7D	RUS	UiMUX	120	2600	MPSK-12, AT-3004-D, location Kaliningrad
NDXC	7190,0	1900	29	03	A3E	TUN	RTT Tunis			already moved to 7335 after March 29
Gi-Ber	7190,0	2101	29	03	A3E	TUN	RTT Tunis			news, talks, mx, AA, fair
DARC	7190,0	vt	29	03	A3E	TUN	RTT Tunis			heard 0630 - 0808, 1935 - 2005
NIAR	7190,0	vt	29	03	A3E	CLN	SLBC Sri Lanka			0045 - 0300
DARC	7190,0	vt	30	03	A3E	TUN	RTT Tunis			has meanwhile left 7190 kHz and gone to 7345 kHz - report from Mike from Letchworth Garden City, UK
NIAR	7195,0	0000	29	03	A3E	CHN	Xinjiang PBS			
Gi-Ber	7195,0	1758	29	03	A3E	ERI	Voice of Broad Masses			talks, vn, good
NDXC	7195,0	1800	29	03	A3E	CHN	Xinjiang PBS			Uighur px
Gi-Ber	7195,0	2330	29	03	A3E	CHN	Xinjiang PBS			starting BC, //4980 fair
DW	7195,0	vt	29	03	A3E	CHN	Xinjiang PBS			Uighur px, heard 1230 - 1800
DARC	7195,0	vt	29	03	A3E	BUL	R. Bulgaria			heard 1500 - 1705
BCDX	7195,0	0559	30	03	A3E	UGA	R. Uganda			barely above noise floor
DARC	7195,0	vt	30	03	A3E		UiBC			heard 1333 - 1605
DARC	7195,0	vt	30	03	A3E		UiBC			voice program, heard 0020 - 0030, 1538
DARC	7195,0	vt	31	03	A3E		UiBC			heard 1333 (weak), 1441
DARC	7195,0	vt	31	03	A3E		UiBC			Chinese voice (?) heard 1410 - 1609
DARC	7196,0	0848		03	F1B	RUS	UiPTR	75	200	unid printer, location Kaliningrad

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	7198,0	vt	vd	03	J7D	RUS	UiMUX	120	2600	MPSK-12, AT-3004-D, area of Moscow - heard 01 03 25 at 0913, 0902, 1922
DARC	7200,0	1502	29	03	A3E		UiBC			unid BC
DARC	7200,0	vt	29	03	A3E		UiBC			heard 1830 - 1935, Ar px
DARC	7200,0	vt	29	03	A3E		UiBC			heard 0642 - 0730, 1553 - 1740 - 2 different px heard
DW	7200,0	vt	29	03	A3E	SDN	Radio Omdurman			heard 2300, 0230 - Ar px
DW	7200,0	vt	29	03	A3E		UiBC			Russian px heard 1500, 1900
Gi-Ber	7200,0	xxxx	29	03	A3E	xxx	xxx			Gi-Ber = Gianpiero Bernardini, Milano, Italy
NDXC	7200,0	xxxx	29	03	A3E	xxx	xxx			NDXC = S. Hasegawa
NIAR	7200,0	xxxx	29	03	A3E	xxx	xxx			NIAR = VU2JOS, Jose Jacob, NIAR Hyderabad, India
BCDX	7200,0	xxxx	29	03	A3E	xxx	xxx			is Brandon Jordan from BCDX, Memphis, TN, USA
BCDX	7200,0	0355	30	03	A3E	SDN	Radio Omdurman			moderate signal
DARC	7200,0	1538	30	03	A3E		UiBC			music heard
DARC	7200,0	vt	30	03	A3E		UiBC			heard 1204 - 2045, at 1550 Holy Quran recitals
DARC	7200,0	vt	31	03	A3E		UiBC			unid BC heard 0600 - 0800, 1653 S9+15dB, 1748, 1828, 1901 - 1951 Ar px, at 2000 s/off
DARC	10100,8	vt	vd	03	F1B	D	DDH, DDK			heard 0700 - 2000 - 30 reports all month - is German Weather Service legal!
DARC	10112,0	vt	vd	03	G7D	TUR	UiMUX	2k4		STANAG-4285, 2k4, 8PSK - daily all day long - 25 reports all month
DARC	10114,8	0740	04	03	F1B	CIS	UiPTR	96	1000	CIS-14, daily
DARC	10115,0	vt	20	03	P0N	G / CYP	British OTH-Radar			is active 1543 - 1642
DARC	10115,0	1715	24	03	FSK8		UiMUX	125	1750	ALE, selcalls 2008, 2007
DARC	10115,2	vt	19	03	F1B		UiPTR			printer heard 0706 - 0745
DARC	10120,0	2036		03	FSK8	B	UiMUX	125	1750	ALE, selcalls BR2, BR1 - is Brazilian MIL, daily
DARC	10121,6	1346	03	03	N0N		UiCAR			long lasting carrier
DARC	10122,0	0916		03	F1B	S.Eu	UiPTR	50	500	unid printer
DARC	10122,0	0955	04	03	F1B	SRB	UiPTR	47	500	unid printer
DARC	10122,0	vt	15	03	G7D		UiMUX	2k4		STANAG-4285, 2k4, 8PSK, heard 0756 - 1638
DARC	10122,8	2013	02	03	G7D	GRC	UiMUX	2k4		Stanag-4285, 2k4, 8PSK, 1200 bps long - location Athens
DARC	10124,0	1422	18	03	F1B	RUS	UiPTR	75	500	unid printer, location Moscow
DARC	10124,0	2018	18	03	MFSK		UiMUX			CIS-36, multitone, unid
DARC	10124,0	1412	31	03	J7D	S.As	UiMUX			MPSK-12, AT-3004-D, location S.Ea Asia
DARC	10125,0	1805	30	03	P0N	G / CYP	British OTH-Radar			50 pps-system
DARC	10130,0	1732	14	03	FSK8		UiMUX	125	1750	Thales Skymaster, FSK8, 8 x 125 Bd, unid
DARC	10130,0	vt	vd	03	F1B	RUS	UiPTR	50	500	printer located St. Petersburg - daily 0700 - 1800
DARC	10130,2	vt	21	03	N0N		UiCAR			carrier heard 1252 - 1320

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	10135,0	0707	12	03	P0N	G / CYP	British OTH-Radar			is active, end 0707
DARC	10136,0	1729	25	03	A3E		UiBC			unid BC, distorted modulation
DARC	10136,0	1847	27	03	F1B	RUS	UiPTR	50	200	unid printer, location East Russia
DARC	10140,0	1153	15	03	G7B		UiMUX			frequency hopper
DARC	10140,0	2059	20	03	P0N	G / CYP	British OTH-Radar			50 pps-system
DARC	10140,0	2053	21	03	G7B		UiMUX			frequency hopper
DARC	10143,0	1346	03	03	F1B		UiPTR			unid printer
DARC	10144,0	0839	09	03	F1B		UiPTR	100	250	unid printer
DARC	10145,0	1626	02	03	A3E		UiBC			Greek px, distorted, with echo
DARC	10145,0	1006	04	03	G7B		UiMUX			frequency hopper
DARC	10145,0	1817	12	03	P0N	G / CYP	British OTH-Radar			50 pps
DARC	10145,0	1909	28	03	P0N	G / CYP	British OTH-Radar			25 pps-system
DARC	10147,2	0745	19	03	N0N		UiCAR			carrier S 9 + 10 dB
DARC	10150,0	1658	13	03	P0N	G / CYP	British OTH-Radar			50 pps
DARC	10155,0	1601	13	03	P0N	G / CYP	British OTH-Radar			is active 20 kHz spread 1601 - 1710
DARC	13970,0	0944	19	03	JAM	CHN	Hainan Firedrake Jammer			heard 18 - 25 at 0722 - 1040, just info!
DARC	13994,8	0918	03	03	F1B	RUS	UiPTR	100	1000	system CIS-14, location Kaliningrad - splattering into ham band
DARC	13999,0	0828	25	03	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, splattering up into ham band - location Moscow
DARC	14000,0	1310	06	03	FSK8		UiMUX	125	1750	ALE, selcalls CN3, 70
DARC	14000,0	1643	15	03	G7B		UiMUX			frequency hopper
DARC	14001,0	1146	31	03	FSK8	CHN	UiMUX	125	1750	ALE, selcalls 894, 402 - CHN PRC-PLA, net, daily
DARC	14001,1	1144		03	N0N	TUR	UiCAR			carrier, located Ankara
DARC	14005,0	2005	29	03	MFSK	USA	UiMUX			unid multitone system
DARC	14008,0	0842		03	F1B	RUS	UiPTR	100	350	unid printer, idling, location Moscow
DARC	14008,0	0920	15	03	F1B		UiPTR	50	250	unid printer
DARC	14015,0	2100	25	03	MFSK	?	UiMUX			multitone system, 240° from DL
DARC	14016,0	vt	25	03	J7D		UiMUX			MPSK-12, AT-3004-D, heard 0940 - 1040
DARC	14026,0	vt	vd	03	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, heard 01 06 08 23 31 at 0733, 0759, 0902, 1517
DARC	14028,0	vt	vd	03	F1B	RUS	UiPTR	75	250	unid printer heard all month, 10 reports, times 0747 - 0952, location south of Samara
DARC	14030,0	1932	06	03	G7B		UiMUX			frequency hopper
DARC	14046,0	0826	11	03	J7D	RUS	UiMUX	120	2600	MPSK-12, AT-3004-D, location North Russia
DARC	14050,0	0920	23	03	F1B	RUS	UiPTR	75	250	unid printer, location Moscow
DARC	14050,0	0800	26	03	F1B	RUS	UiPTR	50	250	unid printer

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	14052,0	0951	26	03	J7D	UKR	UiMUX			MPSK-12, AT-3004-D - is harmonic of 7026
DARC	14070,0	1830	29	03	G7B		UiMUX			frequency hopper
DARC	14106,0	0843	16	03	F1B	RUS	UiPTR	81	250	unid, location Moscow
DARC	14122,0	0952	17	03	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, location Kaliningrad
DARC	14137,0	0955	26	03	J7D	RUS	UiMUX	120	2600	MPSK-12, AT-3004-D - location Moscow
DARC	14172,0	0744	04	03	F1B	RUS	UiPTR	81	500	located North of Russia
DARC	14180,0	0959	26	03	F1B	RUS	UiPTR	50	250	unid printer
DARC	14237,0	0749	19	03	J7D		UiMUX			MPSK-12, AT-3004-D
DARC	14240,0	0951	31	03	F1B	RUS	UiPTR	75	250	unid printer, location West of Moscow
DARC	14242,0	0953	02	03	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, location Kaliningrad
DARC	14252,0	vt	19	03	J7D		UiMUX			MPSK-12, AT-3004-D, 0852 - 0944
DARC	14253,0	0722	23	03	F1B		UiPTR			unid printer
DARC	14257,0	0918	24	03	J7D		UiMUX			MPSK-12, AT-3004-D
DARC	14263,0	vt	23	03	J7D		UiMUX	120	2600	MPSK-12, AT-3004-D, heard 0745 - 0902
DARC	14290,0	1741	19	03	A3E		UiBC			2f
DARC	14295,1	1400	15	03	A3E	TAJ	Radio Tajikistan			harmonic of 4765, daily
DARC	14295,5	vt	14	03	A3E	TAJ	Radio Tajikistan			heard 1505 - 1600 s/off, is 3f of 4765
DARC	14295,6	1602	19	03	A3E	TAJ	Radio Tajikistan			is active
DARC	14306,0	0749	19	03	J7D		UiMUX			MPSK-12, AT-3004-D
DARC	14306,0	1130	25	03	J7D		UiMUX	120	2600	MPSK-12, AT-3004-D
DARC	14340,0	1657	19	03	A3E	IRN	IRIB			ann "Golos Tsigan", is 2f
DARC	14340,0	1644	20	03	A3E	IRN	IRIB			2f de 7170
DARC	14340,0	vt	21	03	A3E	IRN	IRIB			heard 1630 - 1730 with Quran recitals and Russian px, S6 - is 2f de 7170
DARC	14360,0	0708	12	03	P0N	G / CYP	British OTH-Radar			is active, splatters into ham band
DARC	14365,0	1243	18	03	P0N	G / CYP	British OTH-Radar			is active, splatters into ham band
DARC	18080,0	1028	12	03	G7B		UiMUX			frequency hopper

DARC – Germany – Part 3 – Dj9KR (Ui)

BC Intruders on 7100 – 7200

CLUB	kHz	UTC	DD	MM	MODE	ITU	REMARKS AND OBSERVATIONS
DARC	7100,0	vt	02	04	A3E	KRE	heard 1830 - 1905 En
DARC	7100,0	vt	03	04	A3E	KRE	heard 1829 - 1901 En
DARC	7100,0	vt	04	04	A3E	KRE	1900 jingl, ann "This is Voice of Korea", 2009
DARC	7100,0	vt	05	04	A3E	KRE	heard 0851 - 1909 (En px S6)
DARC	7100,0	1826	06	04	A3E	KRE	
Gi-Ber	7100,0	1935	29	03	A3E	KRE	En reports, fair - at 200 in Korean very good
NDXC	7100,0		29	03	A3E	KRE	reported by Hasegawa, NDXC
DARC	7105,0	1505	02	04	A3E		heard 1505 very weak
DARC	7105,0	vt	03	04	A3E		heard 1634 with FM wobble, 1901 S7
DARC	7105,0	1905	04	04	A3E		heard 1905 S6
DARC	7105,0	1545	05	04	A3E		S1-signal
NIAR	7105,0	0300	29	03	A3E	CHN	
Gi-Ber	7105,0	2151	29	03	A3E	CHN	very weak, stopped by a carrier at 2155
Gi-Ber	7105,0	2200	29	03	A3E	TWN	start program, ids, news, got off at 2259

CLUB	kHz	UTC	DD	MM	MODE	ITU	REMARKS AND OBSERVATIONS
NDXC	7105,0	vt	29	03	A3E	CHN	heard 2150, 1605
NIAR	7105,0	vt	29	03	A3E	IND	
NIAR	7105,0	vt	30	03	A3E	IND	has moved from 7105 to 7440 kHz, but is still announcing "7105 kHz"
DARC	7110,0	1520	01	04	A3E		O = 2-3
DARC	7110,0	1540	02	04	A3E	ETH	heard 1540 // 7165
DARC	7110,0	vt	02	04	A3E	ETH	heard 1338, 1505
DARC	7110,0	vt	03	04	A3E	ETH	heard 1629 S9+10dB, 18129 S9+15dB, 1901
LizCa	7110,0	0355	04	04	A3E	ETH	Amharic, HOA music
DARC	7110,0	vt	04	04	A3E		heard 1447 S5, 1732 S9+10dB, 1905 S9, 2009 S9+20dB
DARC	7110,0	vt	05	04	A3E		heard 1545 S8, 1851 S9+10dB, 1909
DARC	7110,0	1826	06	04	A3E		
NIAR	7110,0	0330	29	03	A3E	ETH	
Gi-Ber	7110,0	1845	29	03	A3E	ETH	talks, Amharic, good
NDXC	7110,0	1900	29	03	A3E	ETH	
BCDX	7110,0	vt	30	03	A3E	ETH	heard 0355 - 0500
NDXC	7115,0	vt	29	03	A3E	CHN	2150, 1605, Chinese, spurious of 7105
DARC	7120,0	1901	02	04	A3E		
DARC	7120,0	1905	04	04	A3E		S3 signal
DARC	7120,0	1851	05	04	A3E		S3-signal
NDXC	7120,0	vt	29	03	A3E	CHN	1030 - 1230 Kyrgyz
DARC	7125,0	1520	01	04	A3E		very weak
DARC	7125,0	vt	02	04	A3E		heard 0715, 1705 Ar, 1831 - 1943 carrier
DARC	7125,0	vt	04	04	A3E		heard 1447 S4, 1732 S8, 1905 S8, 2009 S8
DARC	7125,0	vt	06	04	A3E		heard 1715 Ch mx S1, 1826
NIAR	7125,0	0330	29	03	A3E		
DARC	7125,0	1502	29	03	A3E		unid BC, 1640: weak
NDXC	7125,0	1930	29	03	A3E	GUI	African Stn
Gi-Ber	7125,0	2205	29	03	A3E		talks, poor modulation, ham QRM, better around 2100
NDXC	7125,0	vt	29	03	A3E	CHN	2100, 1800, Tibetan incl. English 1630 - 1700
DARC	7130,0	vt	01	04	A3E		Chinese px and also a 2nd program, heard 1520 - 1655
DARC	7130,0	vt	02	04	A3E		heard 1358 Ch S7, 1440 Ch S9, 1658 - found // 7185, 1943
DARC	7130,0	vt	03	04	A3E		1629 S9+10dB, 2px - 1711 S9+20dB
DARC	7130,0	vt	04	04	A3E		heard 1447 Ch S7, 1732 2 px S9+10dB
DARC	7130,0	1455	05	04	A3E	TWN	30 dBuV, QTE 057 degs.
DARC	7130,0	1545	05	04	A3E		S6-signal, 2 px, one is Ch
DARC	7130,0	1715	06	04	A3E		S9-signal, 2 px
NIAR	7130,0	0030	29	03	A3E	CHN	
NDXC	7130,0	1000	29	03	A3E	MLA	
NDXC	7130,0	vt	29	03	A3E	TWN	1400 - 1800, Chinese with jammer
NDXC	7130,0	vt	29	03	JAM	CHN	1400 - 1800 music jammer
DARC	7135,0	vt	01	04	A3E		heard 1653, 1520 - 1855 Ru px
DARC	7135,0	vt	02	04	A3E		heard 1625 S7, 1705, 1831, 1905 S7, 1943
DARC	7135,0	vt	05	04	A3E		heard 1545 S6, 1851 S8 Ru px, 1909
DARC	7135,0	vt	06	04	A3E		heard 1715 S5, 1826
Gi-Ber	7135,0	2040	29	03	A3E	BLR	music, id at 2047 and 2100 with time pips, weak signal
DARC	7140,0	vt	04	04	A3E		heard 1447 S2, 1732 S9, then s/off
DARC	7140,0	1826	06	04	A3E		German px
NDXC	7140,0	1500	29	03	A3E	KRE	
NDXC	7140,0	vt	29	03	A3E	RUS	1500, 1900, Yakutsk?, not confirmed local px
DARC	7145,0	vt	01	04	A3E		heard 1520 - 1855
	7145,0	1620	02	04	A3E	SOM	O=3
DARC	7145,0	vt	02	04	A3E		heard 1625 S8, 1705 Ar
DARC	7145,0	vt	02	04	A3E		heard 1402 S2, 1440 2 px, 1505, 1625 with strong rushing noise
DARC	7145,0	vt	02	04	A3E	SOM	heard 1625 S8, 1705 Ar, 1831
DARC	7145,0	vt	03	04	A3E	SOM	heard 1629 S8, 1722 S9, 1829 S9, 1901 with trumpet signal
DARC	7145,0	vt	05	04	A3E		heard 1545 2 px S7, 1851 Ar S8
DARC	7145,0	vt	06	04	A3E		heard 1715 S5, 1826
NIAR	7145,0	0030	29	03	A3E		
NDXC	7155,0	1200	29	03	A3E	CHN	Chinese px
Alok	7165,0	0400	01	04	A3E	ERI	strong!

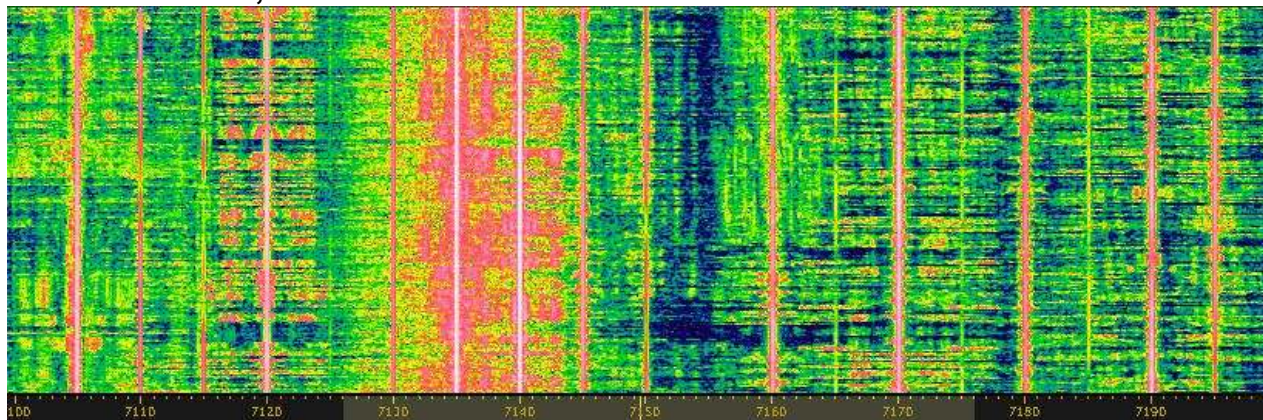
CLUB	kHz	UTC	DD	MM	MODE	ITU	REMARKS AND OBSERVATIONS
DARC	7165,0	vt	01	04	A3E		heard 1520 Ar, 1655 S9+20dB
DARC	7165,0	1540	02	04	A3E	ETH	O=2-3
DARC	7165,0	vt	02	04	A3E	ERI	heard 1402 S2, 1440 2 px, 1505, 1625 with rushing noise, 1831
DARC	7165,0	vt	03	04	A3E		heard 1711 carrier with big rushing noise, 1829 S9+15dB
LizCa	7165,0	04	04	04	A3E	ERI	Amharic, jam 0403
DARC	7165,0	vt	04	04	A3E		heard 1447 2 px S7, 1735 French S9
DARC	7165,0	1445	05	04	A3E	ETH	20 dBuV
DARC	7165,0	1545	05	04	A3E		S7-signal
DARC	7165,0	vt	06	04	A3E		1715 in heavy ham, 1826
NIAR	7165,0	0015	29	03	A3E	CHN	
Gi-Ber	7165,0	2250	29	03	A3E	CHN	poor, // 9520, QRM ham
NDXC	7165,0	vt	29	03	A3E	CHN	heard 1600, 2150, Chinese px
BCDX	7165,0	vt	30	03	A3E	ERI	heard 0355 - 0500
DARC	7165,0	1441	31	03	A3E		heard 1441, 1653, 1748 Fr px S9+20dB, 1828
DARC	7170,0	1442	02	04	A3E		1442 weak signal, 1831 carrier
DARC	7170,0	vt	04	04	A3E		heard 1735 with jammer, 1905 S9
DARC	7170,0	1510	05	04	A3E	CHN	20 dBuV, QTE 073 degs.
DARC	7170,0	1545	05	04	A3E		S0-signal
Gi-Ber	7170,0	2105	29	03	A3E	CHN	slow music, weak and slowly fading down
NDXC	7170,0	vt	29	03	A3E	CHN	1800, 2000, Chinese
NIAR	7170,0	vt	30	03	A3E		heard 2005 - 2044
Alok	7175,0	0400	01	04	A3E	ERI	S7
DARC	7175,0	vt	01	04	A3E		heard 1520, 1855
DARC	7175,0	1504	02	04	A3E		1504 S9 signal, 1831 Ar, 1904, 1944 Ar
DARC	7175,0	vt	03	04	A3E		heard 1829 S9+10dB, 1901
DARC	7175,0	1440	05	04	A3E	ERI	20 dBuV, QTE 131 degs.
DARC	7175,0	vt	05	04	A3E		heard 1545 S9, 1851 HOA music S9, 1909
DARC	7175,0	1826	06	04	A3E		Ar mx
NDXC	7175,0	1400	29	03	A3E	ERI	
NDXC	7180,0	2000	29	03	A3E	KRE	
Gi-Ber	7180,0	2130	29	03	A3E	KRE	talks in Chinese, fair/good
NIAR	7180,0	vt	29	03	A3E	CHN	En px, heard 0000 - 0100 - report VU2JOS
DARC	7185,0	vt	01	04	A3E		heard 1302 weak, 1520, 1555 Ch, 1655 Ch
DARC	7185,0	vt	02	04	A3E		1135 vy weak, 1440 2 px, one // 7130, 1625 Ch px S9+20dB, 1658 2 px
DARC	7185,0	1629	03	04	A3E	BRM	S9+20dB signal
DARC	7185,0	1229	04	04	A3E		S4 signal
DARC	7185,0	1421	05	04	A3E	TWN	30 dBuV, QTE 056 degs.
DARC	7185,0	1545	05	04	A3E		2 px, Ch px, S8
NDXC	7185,0	vt	29	03	A3E	TWN	Chinese px with jammer
NDXC	7185,0	vt	29	03	JAM	CHN	Hainan firedrake jammer
Gi-Ber	7185,0	0030	30	03	A3E	BRM	start BC, poor/fair
Alok	7190,0	vt	01	04	A3E	CLN	still active
DARC	7190,0	1445	05	04	A3E	CHN	20 dBuV, QTE 075 degs.
NIAR	7190,0	vt	29	03	A3E	CLN	0045 - 0300 - report VU2JOS
DARC	7195,0	vt	01	04	A3E		heard 1302 weak, 1520 frequency rocking, 1655
DARC	7195,0	vt	02	04	A3E		0715 rocking carrier, 1401 S6, 1442, 1625 S9, 1700
DARC	7195,0	vt	03	04	A3E		heard 1508 S8, 1711 S9
DARC	7195,0	vt	04	04	A3E		heard 1442 S7, 1735 S9
DARC	7195,0	1430	05	04	A3E	CHN	20 dBuV, QTE 065 degs.
DARC	7195,0	1545	05	04	A3E		S6-signal
DARC	7195,0	1715	06	04	A3E		S7-signal
NIAR	7195,0	0000	29	03	A3E	CHN	report VU2JOS
Gi-Ber	7195,0	1758	29	03	A3E	ERI	talks, vn, good
NDXC	7195,0	1800	29	03	A3E	CHN	Uighur px - report S. Hasegawa
Gi-Ber	7195,0	2330	29	03	A3E	CHN	starting BC, //4980 fair - report Giampiero Bernardini
BCDX	7200,0	vt	31	03	A3E	SDN	heard 0237 - 0245, repkort by Brandon Jordan
Alok	7200,0	0400	01	04	A3E	SDN	S8
DARC	7200,0	vt	01	04	A3E	SDN	heard 0744 weak, 1302 weak, 1520 Ar, 1655 2 px, 1855
Alok	7200,0	vt	01	04	A3E	BRM	moved from 7185 to 7200, heard 0030 - 0230
DARC	7200,0	vt	02	04	A3E		0715 very weak, 1442 Ar, 1625 S9+10dB, 1700 Ar, 2 px - 1831 weak, 1904 Ar, 1944 Ar S9+20dB

CLUB	kHz	UTC	DD	MM	MODE	ITU	REMARKS AND OBSERVATIONS
DARC	7200,0	vt	04	04	A3E		heard 1442 2 px S6, 1735 S9+20dB, 1905 Ar S9+10dB, 2009 S7
DARC	7200,0	1440	05	04	A3E	RUS	25 dBuV, QTE 028 degs.
DARC	7200,0	vt	05	04	A3E		heard 1545 Ar px S9, 1851 S9, 1909 Ar S9
DARC	7200,0	vt	06	04	A3E		heard 1715 2px HOA mx S9+10dB, 1826

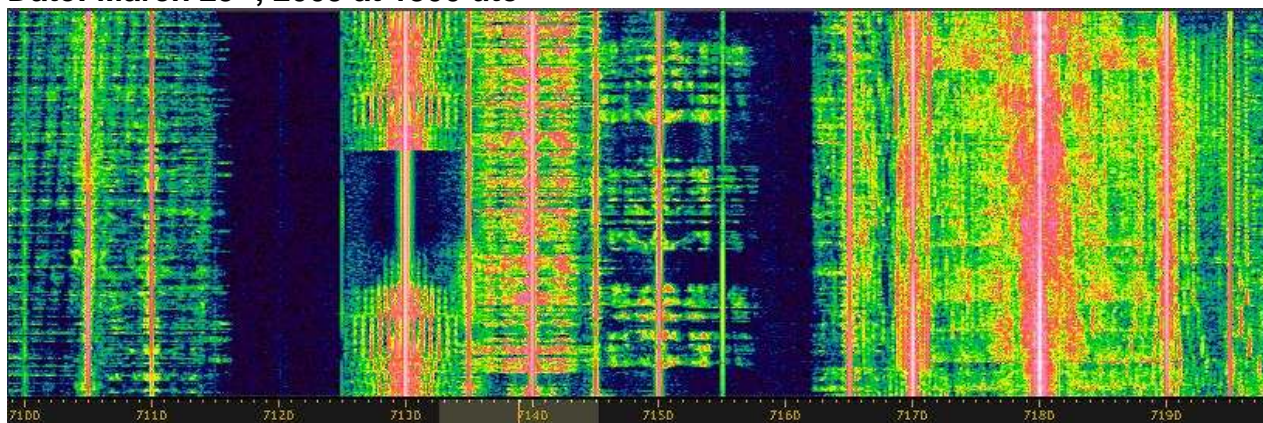
DARC – Germany – Part 4 – DK2OM (Wolf)

The occupancy of 7100 – 7200 kHz by BC stations - sonagrams from Perseus

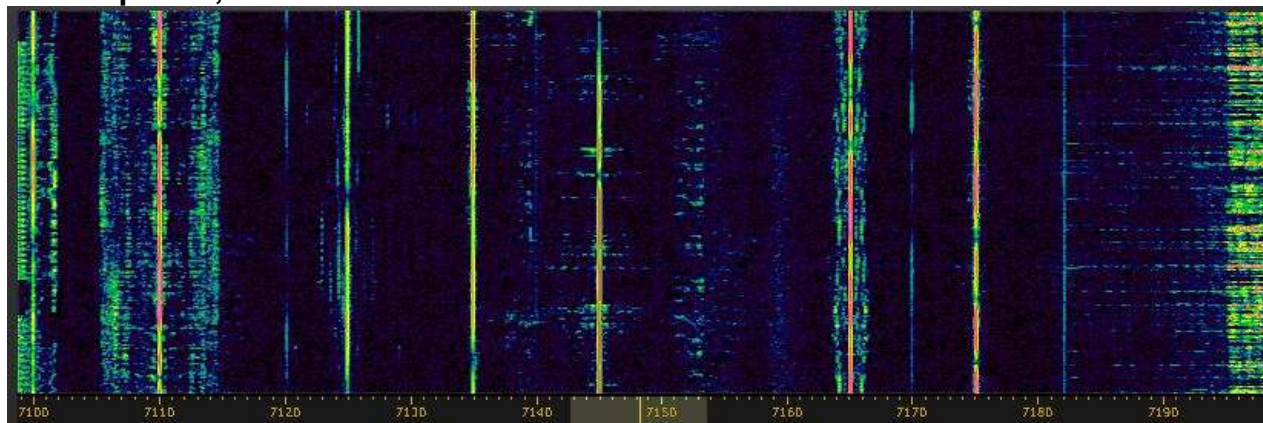
Date: March 12th, 2009 at 1800 utc



Date: March 25th, 2009 at 1800 utc



Date: April 1st, 2009 at 1800 utc



IRTS – Ireland – EI4GXB (Ger) ---

MRASZ – Hungary - HA7PL (Laci)

SOC	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	DETAILS
MRASZ	7000	VT	VD	3	FSK8 (ALE)	I	UiMUX	125	1750	ITALIAN CARABINIERI NET. MODERATE ACTIVITY NO CONNECTION. MAINLY 2211 SOUNDED.
	7000	VT	VD	3	FSK8 (ALE)	Ui	UiMUX	125	1750	NEW INTRUDER UNID EQO, GLT, VFX, LEL.
	7002	VT	VD	3	FSK8 (ALE)	Ui	UiMUX	125	1750	ABSOLUTELY NEW INTRUDER. 3FIGURES CALLSIGNS. 622 IS THE HQ. OTHERS: 452, 518. 957.
	7010	VT	VD	3	FSK8 (ALE)	Ui	UiMUX	125	1750	CS - RS net
	7015	VT	VD	3	FSK8 (ALE)	Ui	UiMUX	125	1750	DKL, SBN, TDR. LAST MONTH NEW INTRUDER AGAIN.
	7017	VT	VD	3	FSK8 (ALE)	Ui	UiMUX	125	1750	DD3 SOUNDING. LAST MONT NEW INTRUDER LOW ACTIVITY.
	7017	VT	VD	3	FSK8 (ALE)	Ui	UiMUX	125	1750	781 CALLED 725. NEW INTRUDER.
	7019	VT	VD	3	FSK2	Ui	UiMUX	125	1750	POSSIBLE ITALIAN CARABINIERI NET: 2101 CALLSIGN.
	7021	VT	VD	3	FSK8 (ALE)	Ui	UiMUX	125	1750	ORT, 1101, ORTKHON, 1102 UNID AGAIN.
	7023	VT	VD	3	FSK8 (ALE)	Ui	UiMUX	125	1750	797, 801 UNID CALLSIGNS
	7026	VT	VD	3	FSK8 (ALE)	Ui	UiMUX	125	1750	642-314 UNID NET
	7032	VT	VD	3	FSK8 (ALE)	Ui	UiMUX	125	1750	293 LAST MONTH NEW INTRUDER NET AGAIN. 293 HQ CALLS 142, 528, 920.
	7032	VT	VD	3	FSK8 (ALE)	Ui	UiMUX	125	1750	TOM CALLS JIM. UNIDENTIFIED
	7032	VT	VD	3	FSK8 (ALE)	HNG	UiMUX	125	1750	035 HQ CALLED 093. HUNGARIAN MILITARY, NEW INTRUDER. HMMMM.
	7036	VT	VD	3	FSK8 (ALE)	Ui	UiMUX	125	1750	ORT, 1101, ORTKHON, 1102 UNID AGAIN.
	7061	VT	VD	3	FSK8 (ALE)	G	UiMUX	125	1750	UK FOREST MOORE TASCOMM HF HQ. NEW INTRUDER USES ANOTHER FREQUENCY. XSS CALLSIGN
	7070	VT	VD	3	FSK8 (ALE)	GEO	UiMUX	125	1750	244-288 MODERATE TRAFFIC POSSIBLE GEORGIAN NETWORK.
	7080	VT	VD	3	FSK8 (ALE)	G	UiMUX	125	1750	UK FOREST MOORE TASCOMM HF HQ. NEW INTRUDER USES ANOTHER FREQUENCY. XSS CALLSIGN
	7080	VT	VD	3	FSK8 (ALE)	ALB	UiMUX	125	1750	ALBANIAN MoPO. 5810 SOUNDING
	7092	0-24	DLY	3	FSK8 (ALE)	TUR	UiMUX	125	1750	UNID 4001 NET LOTS OF CALLSIGNS:
	7100	VT	VD	3	FSK8 (ALE)	ALG	UiMUX	125	1750	100 CALLS 140
	7107	VT	VD	3	FSK8 (ALE)	Ui	UiMUX	125	1750	UNID ARABIC VOICE NET ALSO KNOWN AS 4378xx-NET. CALLSIGNS: 437805, 437806, 437815, 437817.
	7107	VT	VD	3	FSK8 (ALE)	Ui	UiMUX	125	1750	200101 AND 9200 SOUNDED. UNID.

SOC	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	DETAILS
	7116	VT	VD	3	FSK8 (ALE)	Ui	UiMUX	125	1750	UNID 4 FIGURES NET. 11?? AND 17?? SHAPE.
	7116	VT	VD	3	FSK8 (ALE)	Ui	UiMUX	125	1750	KAMAR98 SOUNDED. MAYBE UZBEKH.
	7141	VT	VD	3	FSK8 (ALE)	Ui	UiMUX	15	1750	7801 SOUNDED
	7149	VT	VD	3	FSK8 (ALE)	ALB	UiMUX	125	1750	ALBANIAN MoPO. 5810 SOUNDING
	7150	VT	VD	3	FSK8 (ALE)	MDN	UiMUX	125	1750	MOLDOVAN MILITARY NET: CODRU STATIONS AS FOLLOWS: ACORD, AUTOGRAF, AZURIU, BG99, GRANIT, IZVOR, BALZAM, VITEAZ. ROMANIAN LANGUAGE PHONE PATCHES AND VOICE SCRAMBLER.
	7160	0-24	DLY	3	FSK8 (ALE)	GEO	UiMUX	125	1750	VERY NEW CALLSIGNS: KAS, PON, QOB, KOU, MKV, KRC, VTO, URT. MAYBE GEORGIAN?
	7165	VT	VD	3	FSK8 (ALE)	Ui	UiMUX	15	1750	UNID 630 CALLED 722.
	7197	VT	VD	3	FSK8 (ALE)	TUR	UiMUX	15	1750	Red Crescent TURKEY 4 FIGURES NET. CALLSIGNS: 3031, 3061, 3015, 3551, 3161, 3251, 3261, 3351, 3421, 3551, 3061, 3771, 4061, 8161, 8541, 8551, 9857, 3651, 9850.
	7200	VT	VD	3	FSK8 (ALE)	USA	UiMUX	15	1750	NEW INTRUDER UNID ARABIC LSB NET 1002 CALLED 1006, 3060, 2060, 3070.
	7200	VT	VD	3	FSK8 (ALE)	Ui	UiMUX	15	1750	NEW INTRUDER UNID ARABIC LSB NET 1002 CALLED 1006, 3060, 2060, 3070.

OEVSU – Austria – OE3DMA (Alex) has observed BC on 7100 - 7200

RAL – Lebanon – OD5RI (Rizkallah)

SOC	Date:	03. Apr 09	04. Apr 09	04. Apr 09	04. Apr 09
RAL	kHz:	time UTC heard	time UTC heard	time UTC heard	time UTC heard
RAL	7100				
RAL	7105				
RAL	7110	04:00 Radio Ethiopia	03:30 Radio Ethiopia		03:30 Radio Ethiopia
RAL	7115				
RAL	7120				
RAL	7125				
RAL	7130				
RAL	7135		17:17 Belarus Radio 1		
RAL	7140				
RAL	7145				
RAL	7150				
RAL	7155				
RAL	7160				
RAL	7165	17:30 Radio Ethiopia	13:05 Radio Ethiopia		
RAL	7170				
RAL	7175		17:25 unid BC		
RAL	7180				
RAL	7185				
RAL	7190				
RAL	7195		13:15 Radio Uganda	17:15 Radio Uganda	
RAL	7200		17:20 Radio Omdurma		

REP – Portugal – CT4AN (Jose Francisco)

SOC	KHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
REP	3500	22.00	26	03	I		A3E			Pirate stns from Central South Italy DLY
REP	3502,04	23.50	11	03	I		J3E-L			Italian pirates - Sicily- testing mikes
REP	3535	08.21	14	03	E		J3E-L			Spanish fishers at sea, North Balear islands
REP	3550	07.30	29	03	F		A3E			French Amateurs DLY INFRINGE IARU BAND PLAN
REP	3575	08.00	28	03	F		A3E			French Amateurs DLY INFRINGE IARU BAND PLAN
REP	3756	02.10	06	03	UKR		A2A			Pulse, 1 bps 25uV S8
REP	7000	00.41	02	03	E		J3E-L			Ola, Ola, tuning tones & tests 25uV S8
REP	7000	13.02	04	03		V	A1A			Marker, very strong
REP	7001,3	02.39	07	03	E		J3E-U			Spanish fishermen 25uV S8
REP	7020	21.53	09	03			J3E-L			Arab talks from 3 male persons
REP	7025	18.22	13	03	E		J3E-L			Spanish fishers out from Huelva
REP	7030	15.18	05	03			F1B	75	250	
REP	7038,7	23.35	06	03	UKR	D	A1A			SEVASTOPOL Beacon 12.5uV S7
REP	7039	23.33	06	03	RUS	C	A1A			MOSCOW Beacon 50uV S9
REP	7041	17.56	16	03			F1B	75	200	
REP	7043	23.40	06	03			J3E-U			Arab language talking 1.6uV S4
REP	10131	15.00	09	03			F1B	200	200	
REP	10136,3	19.16	05	03			J3E-U			Scrambled voice, 500Hz wide
REP	10145	12.51	06	03			J3E-U			Arab talks from 3 male persons
REP	28175	20.55	17	03	POR		A3E			Portuguese family talking , DLY 6.3uV S6

NOTES :

- Beacons heard in our monitoring Stations, **out of IARU recommendations:**

Call	Freq. (KHz)
I1YRB	3540,3 - 7080,4 - 10140 - 14161
IZ3DVW	3577 - 7039,5
IK3NUX	10137,3
I1DFS	10140
IK4IDP	10140
IQ4FJ	10140 Official ARI RC Station !
IZ8BZX	10149.6

- Taxi's traffic from Sevilha area (Spain) heard on 28355 KHz, A3E, while skip was on.

RSGB - Great Britain – G4BOH (Chris) ---

SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	REMARKS
SRAL	3658,0	1530-2100	dly	3	UZB	V	A1A		Khiva (?)
SRAL	7002,0	1530-1600	11	3		UiCW	A1A		MR 5BL
SRAL	7013,0	0930-1030	25	3	RUS	UiMUX	J7D		Moscow
SRAL	7016,0	0900-1600	24, 26	3		UiPTR	F1B	250	
SRAL	7019,2	1300-1600	27	3		UiCarr	N0N		Also 250 Hz F1A
SRAL	7021,0	0830-1330	10	3		UiMUX	J7D		
SRAL	7031,0	1030-1100	10	3		UiPTR	F1B	250	
SRAL	7033,0	0900-1400	19	3		UiMUX	J7D		
SRAL	7038,9	h24	1-27	3	RUS	S	A1A		Severomorsk/Murmansk
SRAL	7039,0	h24	dly	3	RUS	C	A1A		Moscow
SRAL	7038,1	1100-0500	1, 3-31	3	RUS	A	A1A		Astrakhan area (?)
SRAL	7038,1	1300-2100	2	3	RUS	N	A1A		A reversed?
SRAL	7041,0	1430-1930	8-28	3	RUS	NTJP etc.	A1A		
SRAL	7048,0	0700-1400	7,18, 28	3	RUS	RZT	A1A		
SRAL	7054,0	0400-0600	3-23	3	RUS	UiPTR	F1B	200	Dotter 25 Hz
SRAL	7054,0	1800-0800	24-28	3	RUS	UiPTR	F1B	200	Dotter 25 Hz
SRAL	7055,0	1500-1700	24	3		UiPTR	F1B	250	
SRAL	7057,0	1330-1500	24	3		UiMUX	J7D		
SRAL	7090,5	0530-0800	18-19	3		UiMUX	J7D		
SRAL	7122,0	0500-1900	dly	3	RUS	RDL	F1B	200	Kaliningrad, dotter 25 Hz
SRAL	7127,0	0630-0900	21	3		UiPTR	F1B	200	
SRAL	7130,0	1400-1800	29-31	3	TWN&C HN	RTI&RCI	A3E		10 – 15 Hz apart
SRAL	7135,0	0600-1700	29-31	3		UiBC	A3E		
SRAL	7150,0	1300-1430	25	3		UiMUX	J7D		
SRAL	7162,0	0630-1400	24-31	3		UiPTR	F1B	250	
SRAL	7167,0	0930-1130	11, 27	3	RUS	UiPTR	F1B	250	Novgorod
SRAL	7185,0	1000-1700	29-31	3	TWN&C HN	RTI&RCI	A3E		10 – 15 Hz apart
SRAL	7188,0	0700-1300	*	3	RUS	UiPRT	F1B	250	Days 5, 22, 23 & 30. Kaliningrad
SRAL	7198,0	0530-1630	1-3	3	RUS	UiMUX	J7D		
SRAL	7200,0	1030-2000	29-31	3	IRN	VIRI	A3E		
SRAL	10150	0645-0700	29	3	CYP	UiOTHR	P0N		40 kHz wide

USKA – Switzerland – HB9CET (Peter)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
USKA	7000.0	2238	02	03		2211	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7005.5	1431	03	03			F1B	81	250	81-81 Modem
USKA	7008.0	1933	03	03			F1B	100	250	unid; sometimes in cw: "qrv? k"
USKA	7010.0	1134	19	03			MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7020.0	1340	06	03			MFSK8			MIL 188-141A, ALE daily Ident: CS0, CS002A, RS0, RS005D and others
USKA	7020.0	1136	19	03		CS0	MFSK8	125	1750	MIL 188-141A, ALE daily
USKA	7021.0	1141	10	03			J7D	12x120	2600	MPSK-12: CIS 12 = AT3004D 12 x PSK-4
USKA	7033.0	0928	19	03			J7D	12x120	2600	MPSK-12: CIS 12 = AT3004D 12 x PSK-2
USKA	7036.5	1934	09	03			F1B	50	500	unid
USKA	7038.7	2254	02	03	UKR	D	A1A			Beacon D Sevastopol daily
USKA	7038.9	1055	02	03	RUS	S	A1A			Beacon S Murmansk daily
USKA	7039.0	1057	02	03	RUS	C	A1A			Beacon C Moscow daily
USKA	7039.1	1506	02	03	RUS	N	A1A			Beacon N (new?)
USKA	7039.1	1551	03	03		A	A1A			Beacon A daily
USKA	7054.0	2251	02	03			F1B	50	200	unid daily
USKA	7055.0	1619	24	03			F1B	75	250	unid
USKA	7058.0	1956	03	03			G7D	2400		Stanag 4285 600bps
USKA	7080.0	2001	24	03			F1B	50	200	unid
USKA	7088.0	1413	22	03			N0N			permanent carrier over hours
USKA	7089.4	1412	22	03			F1B	200	200	unid ARQ
USKA	7089.9	1358	04	03			F1C	60 rpm		IOC576 Weatherfax daily
USKA	7090.5	1247	18	03			J7D	12x120	2600	MPSK-12: CIS 12 = AT3004D 12 x PSK-4
USKA	7118.0	1419	02	03			J7D	12x120		MPSK-12: CIS 12 = AT3004D 12 x PSK-2
USKA	7119.0	1257	14	03			F1B	50	200	unid
USKA	7122.0	1453	03	03			F1B	50	200	unid daily
USKA	7122.0	1545	22	03		RDL	F1A			letters and figures, followed by F1B
USKA	7122.0	1548	22	03			F1B	50	200	unid, mixed with F1A
USKA	7142.0	1314	03	03			F1B	75	250	unid daily
USKA	7149.0	0923	19	03			F1B	81	250	unid
USKA	7150.0	1434	25	03			J7D	12x120	2600	MPSK-12: CIS 12 = AT3004D 12 x PSK-2
USKA	7151.5	1031	06	03			J7D	12x120	2600	MPSK-12: CIS 12 = AT3004D 12 x PSK-4
USKA	7172.0	1131	10	03			J7D	12x120	2600	MPSK-12: CIS 12 = AT3004D 12 x PSK-4
USKA	7198.0	1434	03	03			J7D	12x120	2600	MPSK-12: CIS 12 = AT3004D 12 x PSK-4
USKA	14008.0	1051	15	03			F1B	50	250	unid almost daily
USKA	14008.0	1117	19	03			F1B	50	250	unid
USKA	14016.0	0938	25	03			J7D	12x120	2600	MPSK-12: CIS 12 = AT3004D 12 x PSK-2
USKA	14026.0	1037	06	03			J7D	12x120	2600	MPSK-12: CIS 12 = AT3004D 12 x PSK-2
USKA	14028.0	1106	03	03			F1B	75	250	unid almost daily
USKA	14052.0	0936	15	03			J7D	12x120	2600	MPSK-12: CIS 12 = AT3004D 12 x PSK-4 almost daily
USKA	14120.0	1132	14	03			F1B	45.7	250	unid
USKA	14253.0	0934	19	03			J7D	12x120	2600	MPSK-12: CIS 12 = AT3004D 12 x PSK-4
USKA	14304.0	1439	25	03			F1B	75	250	unid
USKA	14306.0	1151	25	03			J7D	12x120	2600	MPSK-12: CIS 12 = AT3004D 12 x PSK-2
USKA	18107.0	1150	03	03			F1B	50	200	unid, F1B followed by F1A
USKA	18107.0	1153	03	03		RDL	F1A			letters and figures

Veron (Part 1) – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	3549,9	15.48	13	3	F	UiLL	J3E-u		French fishery
VERON	3554,0	20.32	10	3		UiMUX	G7D	2600	Stanag,MPSK-8
VERON	3554,0	19.40	23	3		UiMUX	G7B		Frequency hopper
VERON	3647,0	20.37	10	3		UiCW	A1A		5F
VERON	3661,0	20.37	10	3		UiMUX	G7D		MPSK-8
VERON	3733,0	15.38	13	3		UiMUX	J7D	2600	MPSK-12
VERON	3733,0	20.39	10	3		UiMUX	G7B		Frequency hopper
VERON	3735,0	16.25	12	3		UiPTR	F1B	500	Revs, also 23/3 24/3+M13
VERON	3782,0	vt	vd	3	Portugal	CTP	F1B	850	2 days, Navy Lisboa
VERON	3800,0	19.51	23	3		UiMUX	G7D		MPSK-8
VERON	7038,8	15.30	13	3	RUS	S	A1A		Beacon Murmansk
VERON	7038,9	15.29	13	3	RUS	C	A1A		Beacon Moscow
VERON	7038,9	vt	vd	3	RUS	S	A1A		beacon, 5 days
VERON	7039,0	15.28	13	3	RUS	A	A1A		Beacon Astrakhan
VERON	7039,1	16.21	vd	3	AZB	A	A1A		beacon, 3 days
VERON	7054,0	20.55	21	3	RUS	UiPTR	F1B	200	Printer,idling
VERON	7054,0	vt	vd	3	RUS	UiPTR	F1B	200	Ptr/Revs, 3 days
VERON	7080,0	20.04	24	3		UiPTR	F1B	200	Ptr
VERON	7090,0	13.45	10	3	UKR	WX-Fax	F1C		weather fax Sevastopol
VERON	7100,0	20.00	31	3		UiCAR	NON		Strong persistent carrier
VERON	7100,0	18.55	30	3	KRE	VOK	A3E		Voice of Korea (North)
VERON	7105,0	19.58	31	3		UiBC	A3E		Chinese language
VERON	7110,0	19.57	31	3		UiBC	A3E		Chinese language
VERON	7110,0	18.43	30	3		UiBC	A3E		music, also 31/3
VERON	7112,0	18.43	vd			UiBC	A3E		Asiatic language, 2 days
VERON	7122,0	vt	vd	3		UiPTR	F1B	180	Ptr, 4 days,
VERON	7122,0	11.59	31	3		UiPTR	F1B	200	Ptr, 4 days,
VERON	7135,0	19.54	31	3		UiBC	A3E		Russian, Vatican Radio?
VERON	7172,0	15.21	13	3	RUS	UiMUX	J7D		MPSK-12
VERON	7172,0	08.50	10	3		UiMUX	J7D		MPSK-12
VERON	7173,0	vt	vd	3		UiBC	A3E		2 days, unknown Asiatic language
VERON	7175,0	19.53	31	3		UiBC	A3E		Weak mod, Asiatic language, Pharsi?
VERON	7175,0	18.50	30	3		UiBC	A3E		music, also 31/3
VERON	7200,0	19.52	31	3		UiBC	A3E		Weak mod, Asiatic language, Chinese?
VERON	10112,0	15.17	13	3	TUR	UiMUX	J7D	2400	STANAG, MPSK-8
VERON	10112,0	08.51	10	3		UiMUX	G7D	2600	STANAG, MPSK-8, also 10/3
VERON	10122,0	20.27	10	3		UiMUX	J7D	2600	Stanag, MPSK-8
VERON	10130,0	08.57	10	3		UiPTR	F1B	500	Ptr
VERON	14001,0	09.06	10	3		UiCAR	NON		unid carrier
VERON	14008,0	10.28	18	3		UiPTR	F1B	250	Revs, also 22/3 during contest UA-DX-CW
VERON	14015,0	09.17	25	3		UiMUX	G7D		MPSK-12
VERON	14017,0	09.41	11	3		UiMUX	J7D		MPSK-8
VERON	14028,0	10.41	vd	3	CIS	UiPTR	F1B	250	11.20 utc, 4 days, Ptr
VERON	14040,0	15.03	13	3		UiMUX	G7B		Frequency hopper
VERON	14050,0	10.12	2	3		UiMUX	J7D		MPSK-12
VERON	14050,0	11.26	5	3		UiMUX	J7D		MPSK-8
VERON	14114,0	11.14	9	3	CIS	AILP	A1A		AILP de NTIS V (roundslip)
VERON	14120,0	vt	vd	3	RUS	UiMUX	J7D		12 MPSK, 3 days
VERON	14120,0	10.52	14	3		UiPTR	F1B	200	Revs/Ptr
VERON	14136,0	10.00	26	3		UiMUX	G7D		MPSK-8
VERON	14179,0	09.11	25	3	RUS	RDL	F1A	250	95082 14214, several times
VERON	14179,0	09.11	25	3	RUS	UiPTR	F1B	250	Ptr
VERON	14180,0	10.00	26	3		UiPTR	F1B	250	Ptr
VERON	14236,0	10.00	31	3		UiMUX	G7B		Frequency hopper
VERON	14240,0	10.14	2	3		UiMUX	J7D		MPSK-12
VERON	14240,0	10.01	31	3		UiPTR	F1B	250	Ptr
VERON	14284,0	11.11	18	3	CIS	UiCW	A1A		5F ROQOAY, several times

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	18090,0	14.58	13	3		UiMUX	J7D		MPSK-4
VERON	18147,0	09.44	11	3		UiMUX	G7B		Frequency hopper
VERON	18163,0	09.45	11	3		UiMUX	G7B		Frequency hopper
VERON	21250,0	14.49	13	3			PON		OTHR, 100Hz system, 2k4 wide
VERON	21282,0	14.51	13	3			PON		OTHR, 100Hz system, 2k4 wide
VERON	21313,0	14.53	13	3			PON		OTHR, 100Hz system, 2k1 wide
VERON	21375,0	14.56	13	3			PON		OTHR, 100Hz system, 2k4 wide

Veron (Part 2) – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	7036,3	18.45	12	3		UiMUX			6 channels active
VERON	7036,3	18.08	23	3		UiMUX			6 channels active
VERON	7036,3	14.48	vd	3		UiMUX			4 channels active
VERON	7036,3	20.50	2	3		UiMUX			approx 9 channels, switched on/off
VERON	7036,3	09.35	vd	3		UiMUX			approx 3 channels switched on/off
VERON	7036,3	06.16	11	3		UiMUX			2 channels vy strong switched on/off
VERON	7039,1	20.47	2	3	RUS	N	A1A		beacon N
VERON	7041,0	14.30	13	3	CIS	C3H9	A1A		to 3NPQ,ZIDS,WBQ7, TP6J,2HBH: proc
VERON	7041,0	17.31	17	3	CIS	C3H9	A1A		to WBQ7, TP6J, 2HBH, call, proc
VERON	7041,0	17.39	23	3	CIS	GX7V	A1A		to K9VM, JFLC,: call, proc
VERON	7041,0	18.00	23	3	CIS	AWZU	A1A		to MDK7,ZMM,ZMX,ZRF,QYT6 K
VERON	7041,0	14.30	24	3	CIS	GX7V	A1A		to J8FK,MDK7,K8W9,K9VM,JFLC, proc
VERON	7041,0	14.35	27	3	CIS	GX7V	A1A		to JFLC: calls
VERON	7041,0	14.35	12	3	CIS	C3H9	A1A		to ZIDS, WBQ7, TP6J, 2HBH, calls, proc
VERON	7054,0	06.19	24	3	RUS	UiPtr	F1B	250	Revs,ptr, off air at 09.01 utc
VERON	7099,0	15.35	4	3	CIS	N2SH	A1A		4F
VERON	7099,0	15.38	4	3	CIS	N2SH	A1A		N2SH 395 46 4 1835 395 831 5BL 831 K
VERON	7099,0	05.57	11	3	CIS	2Z6Y	A1A		2Z6Y 461 30 11 0854 461= ZNX 094 5BL
VERON	14092,0	08.26	14	3	RUS	RGT77	A1A		RGT77 057=(5BL) = K
VERON	14092,0	08.26	16	3	RUS	RGT77	A1A		RGT77 816 = (5BL)= K
VERON	14092,0	09.35	25	3	RUS	RGT77	A1A		RGT77 349 = (5BL) = K
VERON	14092,0	08.34	28	3	RUS	RGT77	A1A		RGT77 834 = (5BL) = K
VERON	14092,0	08.34	30	3	RUS	RGT77	A1A		RGT77 355 + (5BL) = K
VERON	14092,0	09.14	2	3	RUS	RGT77	A1A		RGT77 418 = (5BL) = K
VERON	14092,0	08.35	3	3	RUS	RGT77	A1A		RGT77 280 = (5BL) = K
VERON	14092,0	08.17	6	3	RUS	RGT77	A1A		RGT77 835 = 5BL = K
VERON	14092,0	09.09	11	3	RUS	RGT77	A1A		RGT77 896 = (5BL) = K
VERON	14092,0	09.09	11	3	RUS	RGT77	A1A		who can help with identification? All day

Veron (Part 3) – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SHIFT	DETAILS
VERON	7020,0	18.11	26	3		UiPTR	F1B		Ptr
VERON	7038.9	vt	vd	3	RUS	S	A1A		S-beacon
VERON	7039,0	vt	vd	3	RUS	C	A1A		C-beacon
VERON	7039.1	vt	vd	3	AZB	A	A1A		A-beacon
VERON	7054,0	vt	vd	3	CIS	UiPTR	F1B		Revs
VERON	7080,0	18.08	26	3		UiPTR	F1B		Ptr
VERON	14028,0	vt	vd	3		UiPTR	F1B		Ptr
VERON	14050,0	09.06	26	3	CIS	UiCW	F1A		QRJ3 ok SK (followed by fast Revs)
VERON	14050,0	09.07	26	3		UiPTR	F1B		Fast Revs

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	DETAILS
VERON	14092,0	09.16	6	3	RUS	RGT77	A1A	359 = 5BL (par with 14284)
VERON	14092,0	10.30	9	3	RUS	RGT77	A1A	260 = 5BL (par with 14284)
VERON	14135,0	09.05	26	3		UiPTR	F1B	Ptr
VERON	14141,0	12.38	5	3	CIS	UiCW	A1A	Strings of Cyrillic Morse
VERON	14160,0	09.09	26	3		UiPTR	F1B	Fast Revs
VERON	14180,0	09.09	25	3	CIS	UiCW	F1A	5F
VERON	14180,0	12.05	26	3		UiCW	F1A	XXX (followed by Revs/Ptr)
VERON	14180,0	vt	vd	3		UiPTR	F1B	Revs/Ptr
VERON	14240,0	09.00	26	3		UiCW	A1A	5BL
VERON	14284,0	12.28	5	3	CIS	WEGI	A1A	XXX WEGI 38945 GIMNARH 2871 6078
VERON	18084,0	09.25	5	3		UiPTR	F1B	Idling
VERON	18086,0	13.07	9	3		UiPTR	F1B	Idling

IARUMS Region 1

Many thanks for your interest!

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