



International Amateur Radio Union



Region 1

Monitoring System

- IARUMS Region 1 -

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The monthly newsletter for Region 1

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Acknowledgements

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++ G3VZV – Graham (satellite intrusions) ++ DK4VW - Ulli (DARC-HF-Department) ++
++ DJ7KG - Georg (beacons) ++ DF5SX - Wolfgang (BC) ++ DARC (server support) ++
++ German PTT ++ British PTT ++ Spanish PTT ++ Finnish PTT ++ other European PTTs ++
++ IARU Region 1 assistance ++

Part 1: News and infos

Part 2: Detailed reports from the national co-ordinators

Screenshots and measurements: DK2OM with Wavecom equipment

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Part 1: News and Infos

1. Indonesian pirates very active again

Indonesian pirates occupied 10147 kHz in LSB. They were audible in Europe every afternoon, laughing, singing and talking, they seemed to be drunken daily.

2. New: Superdarn HF Radar on 10145

The Superdarn HF Radar appeared several times on 10145 kHz. We were not amused. [Screenshot below](#). Please look under "Soundfiles" on our Homepage!

3. Moroccan pirates – never ending story

Moroccan pirates seem to be well informed about our bands. They abused 10101, 10121, 14000, 14050 and other QRGs, too. They are supposed to be fishermen. No national authority can disable these people, if they are far away from the mainland. The only solution is doing traffic on the occupied frequencies.

4. All India Radio on 7 MHz – problems solved

The spurious emissions from 7410 kHz disappeared after complaints from the German PTT and DJ9KR.

5. 80 m – Invasion

We found MIL systems from Russia, Poland, Georgia, Bosnia, China, Lithuania and other countries on 80 m, sometimes covering large parts of this band. This traffic is legal. Illegal traffic, from Spain, France, Netherlands and Denmark was often observed between 3500 and 3600 kHz, probably fishery traffic.

6. Spanish pirate disaster as usual

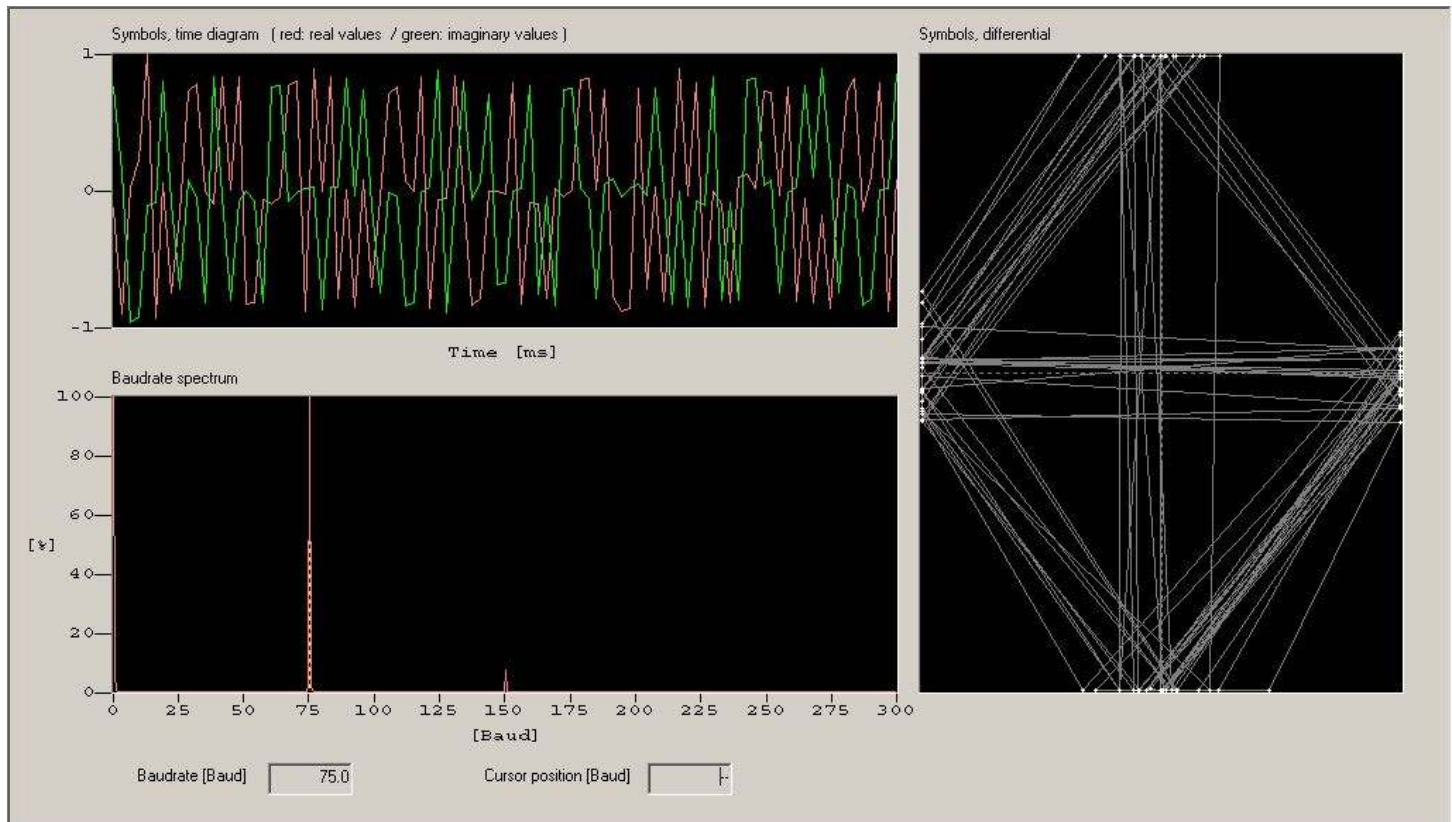
3500, 3550, 7000, 14000, 14014.5, 14100, 14114.5, 14124, 14125, 14135, 14140, 14320, 14350, 21000, 21100, 21095, 21120 **USB** – Spanish fishery and family traffic, daily, various times!

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

Homepage IARUMS Region 2 <http://www.iaruregion2.org> – not available !

Homepage IARUMS Region 3 <http://www.jarl.or.jp/iaru-r3/ms/r3msnl.htm>

Chinese system PRC4+4 – 8 x 75 Bd QPSK – found on 80 m in the evening hours



Screenshot: DK2OM with Wavecom W61 Decoder, Classifier engaged

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 = 12 channel phase shift keying *** ALE (MIL-188-141A) = automatic link establishment *** MUX = multiplex *** Ui = 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 *** MOPO = Ministry of Public Order

ARSK – Kenya – 5Z4NU (Ted)

H'd by	kHz	UTC	dd	mm	ITU	Identity	Mode	Details
ARSK	6999.0	vt	dly	1	ETH?	UiPHONE	J3E	Amharic. Spreads into 40 m. band.
ARSK	6999.0	vt	dly	1	KEN?	20, 24, 26,66,60,	J3Eu	Thought to be Kenya military. Spreads into 40 m band.
ARSK	7000.0	vt	dly	1	SOM DJI	Bossasso, Djibouti, Afmadu	J3Eu	Somalis. Phone patching.
ARSK	7000.0	vt	dly	1	ZAI	UiPHONE	J3Eu	KiSwahili, DRC accent.
ARSK	7002.0	vt	dly	1	SOM	UiPHONE	J3Eu	Somalis.
ARSK	1005.0	1242	4	1	SOM	UiPHONE	J3E	Somalis.
ARSK	7006.0	0345	1	1	ETH?	UiPHONE	J3E	Amharic.
ARSK	7007.0	0546	8	1	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7008.0	vt	dly	1	SDN	M7, M10, M18, M21, M22, M125, 35, CM, others	J3E J3Eu	English, vernaculars, verbal Morse.Selcal. SPLA. Both sidebands used.
ARSK	7011.0	0550	8	1	SOM	Boccaro	J3Eu	Somalis.
ARSK	7012.0	vt	dly	1	SOM	Kismayu, Afmadu, Dobleh, Baidoa?	J3Eu	Somalis, SelCal. Some KiSwahili, prob. Bajuni.
ARSK	7013.0	vt	*	1	SOM	UiPHONE	J3Eu	Somalis. *6,
ARSK	7017.0	vt	*	1	SOM	UiPHONE	J3E	Somalis. *1,8,
ARSK	7020.0	1245	4	1	ZAI	uiPHONE	J3Eu	French, vernacular.
ARSK	7022.0	vt	*	1	SOM	UiPHONE	J3Eu	Somalis. *21,
ARSK	7023.0	vt	dly	1	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7025.0	vt	*	1	SOM	UiPHONE	J3Eu	Somalis. * 16,
ARSK	7026.0	0544	16	1	SDN?	UiPHONE	J3Eu	Two men, English. NGO?
ARSK	7026.0	vt	dly	1	SDN?	K1, K2, JO,	J3Eu	English, NGO. Selcal.
ARSK	7028.0	0547	14	1	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7030.0	vt	*	1	SOM	UiPHONE		Somalis. *4,
ARSK	7035.0	0607	11	1	?	UiPHONE	J3Eu	-
ARSK	7040.0	var	*	1	ETH	uiPHONE	J3Eu	Amharic.*1,16,
ARSK	7045.0	vt	dly	1	SDN	MM, NE, NU, AA, AK, AJ, AL, AT, AO, DU, WL1, WL2, WL4,WL5,WL6, WL9, WL10, BR, WM, NU, MAJ, Ikola? Kabwe, Kalulu	J3E J3Eu	Vernacular, Dholuo? English, phonetics. SelCal. Sudan, NGO, SPLA or SNLA? Sends messages in phonetic five letter groups, probably a single-substitution cypher.
ARSK	7045.0	vt	dly	1	ZAI	Bukavu	J3Eu	KiSwahili, French.
ARSK	7046.0	0524	1	1	SOM	Bossasso	J3Eu	Somalis.
ARSK	7048.0	vt	dly	1	SDN	WA, S, T, SM, AU, PK, PS, AC, BC, B15,CC, Malakal, Yambio,	J3E	English, vernacular, verbal Morse. NGO or SPLA?
ARSK	7057.0	vt	*	1	SOM	Dobleh, Afmadu	J3E	Somalis.*4,
ARSK	7061.0	0546	14	1	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7065.0	vt	*		SOM	UiPHONE	J3Eu	Somalis.*
ARSK	7066.0	vt	dly		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.

H'd by	kHz	UTC	dd	mm	ITU	Identity	Mode	Details
ARSK	7070.0	vt	dly	1	SOM ERI	Asmara, Afmadu, Dobleh, Baidoa, Merere, Garoe, Burhane, Mogadishu, Kismayu, Beletwein	J3Eu	Somalis. SelCal. Often late at night.
ARSK	7075.0	vt	dly	1	SOM	Galkayu, Kismayu, Baidoa	J3E J3Eu	Somalis. SelCal, phonepatching.
ARSK	7081.0	1235	4	1	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7085.0	1605	13	1	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7100.0	vt	dly	1	ERI	VOBM	A3E	Voice of the Broad Masses, BC

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

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
DARC	3500 - 3800						Notice:	The range 3500 - 3800 is also allocated to the Fixed and Mobile Service on a Primary Basis
DARC	3500,0	1803	13	01	J3E-U	E	UiILL	male person, English voice, ship engine in background
DARC	3500,0	2034	23	01	J3E-L	I	UiILL	Italian male to female
DARC	3500,0	vt	vd	01	J3E-U	E	UiILL	Spanish male traffic, fishery? - heard 08 20 at 2023, 2059
DARC	3508,0	2311	17	01	J3E-U	RUS	UiILL	male person, Russian voice, spelling numbers
DARC	3520,0	2002	22	01	J3E-U	N.Eu	UiILL	Scandinavian language, ship engine noise
DARC	3530,0	2045	07	01	J3E-L	RUS	UiILL	male persons in Russian voice, exchanging numbers
DARC	3535,0	2013	17	01	J3E-U	E	UiILL	Spanish fishery
DARC	3535,5	1816	06	01	J3E-U	F	UiILL	French persons, no calls available
DARC	3539,0	2055	22	01	J3E-U	F	UiILL	French male traffic
DARC	3539,1	2050	07	01	J3E-U	E	UiILL	Spanish male traffic, fishery?
DARC	3546,0	2110	07	01	J3E-U	E	UiILL	Spanish male traffic, fishery?
DARC	3550,0	vt	vd	01	A3E	F	French Lis Hams	AM activity not conform to IARU bandplan, but NO intruders, daily 0800 - 0900
DARC	3550,0	2113	13	01	A3E	F	French Lis Hams	French hams in AM, in contraction to IARU bandplan! No intruders!
DARC	3550,0	vt	31	01	A3E	F	F6ACB	OP Roland - heard 0818 - 0839
DARC	3550,0	vt	31	01	A3E	F	F4DKL	OP Fabrice - heard 0818 - 0839
DARC	3550,0	vt	31	01	A3E	F	F/TU2EW	OP Daniel - heard 0818 - 0839
DARC	3550,0	vt	31	01	A3E	F	F5TV	OP Gérard - heard 0818 - 0839
DARC	3550,0	2100	22	01	J3E-U	HOL	UiILL	Dutch male traffic
DARC	3590,0	0754	23	01	J3E-U	E	UiILL	Spanish male person, fishery?
DARC	3600,0	2035	11	01	J3E-U	G	UiILL	male persons in English voice, no call signs available
DARC	3800,0	2030	17	01	J3E-U	E	UiILL	Spanish fishery, Galician dialect
DARC	7000,0	1609	18	01	J3E-U	F.Ea	UiILL	pirates from Far East
DARC	7000,0	0925	28	01	J3E-U	E	UiILL	Spanish fishery
DARC	7000,0	vt	vd	01	J3E-U	E	UiILL	Spanish fishery, heard 19 25 at 1720, 1108
DARC	7031,5	1320	13	01	J3E-L	RUS	UiILL	2 female voices in Russian, no hams
DARC	10101,0	2207	15	01	J3E-U	KOR	UiILL	Korean fishery
DARC	10101,0	1918	19	01	J3E-U	MRC	UiILL	pirates from Morocco
DARC	10101,0	1738	29	01	J3E-U	MRC	UiILL	Moroccan pirates
DARC	10120,0	1946	28	01	J3E-U	MRC	UiILL	Moroccan pirates
DARC	10121,0	1822	25	01	J3E-U	MRC	UiILL	pirates in Moroccan voice
DARC	10123,0	1939	22	01	J3E-U	N.Eu	UiILL	Scandinavian language, ship engine noise
DARC	10130,0	0954	07	01	J3E-U	MRC	UiILL	Moroccan pirates
DARC	10131,0	vt	31	01	J3E-U		Lerida 18	2 Spanish male persons, "barca" and "pescada" often mentioned, fishery - heard 0711 - 0727
DARC	10132,0	1645	27	01	J3E-U	E	UiILL	2 Spanish male persons, "barca" often mentioned, fishery

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
DARC	10135,0	1128	10	01	J3E-U	F	French Lis Hams	no respect of IARU bandplan, as SSB is not allowed!
DARC	10135,0	0930	23	01	J3E-U	F	French Lis Hams	no respect of IARU bandplan, as SSB is not allowed!
DARC	10145,0	1749	25	01	J3E-U	MRC	UiILL	pirates in Moroccan voice
DARC	10147,0	1528	23	01	J3E-U	INS	UiILL	Indonesian male voices, fooling around, singing
DARC	10147,0	vt	vd	01	J3E-L	INS	UiILL	large and active net, singing and fooling around - 15 reports all month, heard 1400 - 1500
DARC	10147,0	vt	vd	01	J3E-U	E	UiILL	pirates in Spanish voice, heard 18 24 26 at 1612, 2036, 1133
DARC	10148,7	1511	07	01	J3E-U	E	UiILL	pirates in Spanish voice
DARC	10150,0	1433	02	01	J3E-U	F.Ea	UiILL	pirates
DARC	10150,0	1525	07	01	J3E-U	M.Ea	UiILL	pirates, unid voice
DARC	14000,0	1511	02	01	J3E-U		UiILL	fishery in Indian Ocean, daily, Is of Madagascar?
DARC	14000,0	1611	11	01	J3E-U	E	UiILL	Spanish fishery
DARC	14000,0	1427	17	01	A3E	ISR	Uniform Lima X-Ray Two	roundslip female synthetic voice - is Mossad
DARC	14000,0	1632	26	01	J3E-U	E	UiILL	Spanish male to female, no amateurs!
DARC	14000,0	vt	vd	01	J3E-U	S.As	UiILL	very active pirate net in Hindi (?) voice, 30 reports all month, times: 0958 - 1500
DARC	14000,0	vt	vd	01	J3E-U		UiILL	large pirate net in Arabic voice, Ops Hassib and Gamal, heard 02 06 14 at 0844 - 1007
DARC	14000,0	vt	vd	01	J3E-U	MRC	UiILL	Moroccan fishery? Heard 11 12 13 at 0845, 1451, 1426
DARC	14001,0	vt	vd	01	J3E-L	F.Ea	UiILL	large pirate net in SSB-LSB, heard 14 15 16 at 1026, 1050, 1052
DARC	14001,5	1140	02	01	J3E-U		UiILL	pirates in Hindi (?) voice
DARC	14001,5	0839	10	01	J3E-U	F.Ea	UiILL	pirates, unid voice
DARC	14050,0	1708	13	01	J3E-U	MRC	UiILL	Moroccan fishery?
DARC	14110,0	1209	26	01	J3E-U	E	UiILL	Spanish fishery, engine noise heard
DARC	14350,0	1334	31	01	J3E-U		UiILL	pirate net, Indian Ocean, fishery?
DARC	21000,0	1200	20	01	J3E-U	E	UiILL	Spanish fishery, Galician dialect, ship engine in background
DARC	21111,0	1010	15	01	J3E-U		UiILL	pirate net, fishery in Indian Ocean?
DARC	28000,0	vd	vd	01	F3E	RUS	UiILL	taxi cabs, Russian voice 28000 - 29700
DARC	28155,0	1248	21	01	F3E	RUS	UiILL	taxi cabs
DARC	28275,0	1702	22	01	A3E	E	UiILL	Spanish CB-like traffic
DARC	28305,0	1236	21	01	F3E	RUS	UiILL	taxi cabs
DARC	28310,0	1706	22	01	A3E	E	UiILL	Spanish CB-like traffic

DARC – Germany – Part 2 – DJ9KR (Uli) / DK2OM (Wolf)

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
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	1757	20	01	G7B		UiMUX			frequency hopper
DARC	3500,0	1931	21	01	FSK8	TUR	Turkish Red Crescent	125	1750	ALE, selcalls 2010, 2016 - is Turkish Red Crescent, daily
DARC	3500,0	2024	08	01	G7B		UiMUX			frequency hopper
DARC	3500,0	2146	19	01	FSK8	CHN?	UiMUX			ALE, selcall 201
DARC	3500,0	vt	06	01	MFSK	CHN	UiMUX			PRC4+4, 8 x 75 Bd, unid - heard 06 08 at 1912, 1845

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	3509,0	1931	29	01	F1B	UKR	UiPTR	75	200	unid printer
DARC	3512,0	2306	23	01	J7D	RUS	UiMUX	12x120		MPSK-12, AT-.3004-D
DARC	3515,0	2050	14	01	J7D	POL	UiMUX	12x120		MPSK-12, AT-3004-D
DARC	3518,0	2027	17	01	G7D		8PSK	2400	2700	unid STANAG-4285, 2400 Bd, 8PSK
DARC	3522,0	vt	vd	01	F1B	RUS	UiPTR	75	250	unid printer, located near Moscow
DARC	3524,0	vt	vd	01	J7D	RUS	UiMUX	12x120		MPSK-12, AT-3004-D, located Kaliningrad
DARC	3527,0	2054	20	01	F1B	CIS	UiPTR	50	200	idling most of the time
DARC	3530,3	2029	22	01	G7B	F	UiPTR			Link-11, 14 x 75 Bd, QPSK, location West France, Brittany
DARC	3533,0	0805	05	01	FSK8	E	Guardia Civil	125	1750	ALE, selcall TWVS1, location is Salamanca
DARC	3548,0	1851	01	01	F1B	RUS	UiPTR	50	200	unid printer, online encrypted
DARC	3548,0	2248	18	01	F1B	RUS	UiPTR	50	200	unid printer
DARC	3549,4	2236	13	01		CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	3550,0	0740	dly	01	A3E	F	French Amateurs			no BC but French lis Amateurs in Amplitude Modulation with both sidebands, daily
DARC	3552,0	1856	12	01	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	3553,8	1621	01	01	G7D	IRQ	8PSK	2400	2700	STANAG-4285, 2k4, 8PSK, 600 bps long, is Iraqi MIL, daily
DARC	3558,0	2040	30	01	FSK8		UiMUX	125	1750	ALE, selcalls 4012, 8080
DARC	3560,0	1518	25	01	A3E	KRE	Voice of Korea (North)			S9-signal, // 7100
DARC	3560,0	vt	vd	01	A3E	KOR	Voice of Korea (North)			heard 18 21 at 2250, 2109
DARC	3561,0	1853	05	01	F1B	RUS	UiPTR	75	200	unid printer
DARC	3563,0	2300	22	01	J7D	RUS	UiMUX	12x120		MPSK-12, AT-3004-D
DARC	3565,0	2251	18	01	FSK8	GEO	UiMUX			ALE, selcalls KBT, 8GS - is Georgian MIL, daily
DARC	3566,0	1846	30	01	J7D	RUS	UiMUX	12x120		MPSK-12, AT-3004-D
DARC	3568,0	1746	11	01	F1B	RUS	UiPTR	50	250	unid printer, location near Moscow, heard all month 1746 - 2138
DARC	3572,0	2052	15	01	QPSK	HOL	UiMUX	100	100	Dutch radio navigation, permanent
DARC	3586,6	1713	05	01	J7D		UiMUX	2000	2600	RFSM-modem 2000 Bd, 8PSK, unid MIL
DARC	3590,0	1856	01	01	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	3593,7	2143	09	11	A1A	UKR	beacon D Sevastopol			MIL beacon, is allowed!
DARC	3596,8	2045	31	01	J7D		UiMUX			NATO-Link-11, unknown location
DARC	3602,0	2112	22	01	F1B	RUS	UiPTR	76	250	unid printer, idling
DARC	3608,0	2012	01	01	F1B	RUS	UiPTR	50	200	location is West Russia
DARC	3608,0	2301	22	01	F1B	RUS	UiPTR	75	250	unid printer
DARC	3642,5	2054	15	01	F1B	RUS	UiPTR	81	250	unid printer
DARC	3645,0	1854	30	01	FSK8	GEO	UiMUX	125	1750	ALE, selcalls 2BR and 3BR, is Georgian MIL
DARC	3674,0	2025	21	01	F1B	SVK	UiPTR	187	500	Slovakian diplo
DARC	3680,0	2022		01	FSK8	ALG	UiMUX	125	1750	ALE, selcalls CY45,

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
										RM5 - is Algerien MIL, daily
DARC	3708,0	1821	31	01	G7B		UiMUX			frequency hopper
DARC	3710,2	1814	31	01	J7D	F	UiMUX			NATO-Link-11, location Corsica Island, France
DARC	3710,2	2317	22	01	QPSK		UiMUX			Link-11, 14 x 75 Bd, QPSK
DARC	3713,8	2039	29	01	J7D	BIH	UiMUX			NATO-Link-11, location Bosnia-Herzegovina
DARC	3714,0	2102	08	01	G7B		UiMUX			frequency hopper
DARC	3715,9	1840	06	01	F1B		UiPTR	150	500	unid printer
DARC	3715,9	2100	08	01	F1B	SVK	UiPTR	150	500	printer already heard 6 Jan 08, located East Slovakia
DARC	3715,9	2102	04	01	F1B	SVK	UiPTR	150	500	unid printer, location: Slovakia
DARC	3716,0	1705	29	01	J7D	RUS	UiMUX	12x120		MPSK-12, AT-3004-D
DARC	3728,7	1620	30	01	G7B		UiMUX			CODAN-9001, 16 x 75 Bd, unid
DARC	3730,0	1704	29	01	J7D	RUS	UiMUX	12x120		MPSK-12, AT-3004-D
DARC	3732,0	1812	31	01	F1B	RUS	UiPTR	75	200	unid printer
DARC	3735,0	1702	29	01	F1B	RUS	UiPTR	49	500	unid printer
DARC	3743,0	2309	23	01	F1B	RUS	UiPTR	75	500	unid printer
DARC	3745,0	1758	20	01	FSK8	GEO	UiMUX	125	1750	ALE, selcalls 8GS, BRN - is Georgian MIL, daily
DARC	3749,9	0650	07	01	F1B	CIS	UiPTR	41	500	unid printer system FROST-1
DARC	3753,7	2045	21	01	G7B	GRC	UiPTR	2400		Link-11-slew, 8PSK
DARC	3756,0	1859	01	01	A3E	UKR	The Pip			Ukrainian MIL, channel marker ?, permanent
DARC	3772,0	2200	06	01	F1B	UKR	UiPTR	100	500	unid printer, online encrypted
DARC	3782,0	1903	01	01	F1B	POR	CTP	50	200	POR Navy Lisbon, ident CTP
DARC	3791,0	1703	29	01	J7D	RUS	UiMUX	12x120		MPSK-12, AT-3004-D
DARC	6985,0	1830	19	01	A3E	ISR	KOL Israel			En px, splatters and overmodulated
DARC	7000,0	1736	19	01	FSK8	ALG	UiMUX	125	1750	ALE, selcalls CYS1, CY52 - is Algerian MIL
DARC	7000,0	2244	31	01	A1A		beacon D Seva- stopol			spurious from 7038,7
DARC	7000,0	vt	vd	01	P0N	CHN	Chinese OTH- Radar			43 pulses per second, heard 6090 - 7090, days: 27 18 19, times 1608 - 2314
DARC	7000,0	vt	vd	01	P0N	CHN	Chinese OTH- Radar			43 pulses-per-second (43-Hz-system), heard 30 31 at 1344, 1955
DARC	7008,0	0910	12	01	F1B		UiPTR	75	250	is active all month, heard 0900 - 1040 - location is east of Moscow
DARC	7008,0	0930	11	01	XXX		UiMUX			roaring noise
DARC	7010,0	1008	19	01	J7D	RUS	UiMUX	12x120		MPSK-12, AT-3004-D
DARC	7010,0	1117	03	01	FSK8	MAK	UiMUX	125	1750	ALE, selcalls RS0, CS0 - is Makedonian MIL, daily7058
DARC	7010,0	2314	14	01	A3E		UiBC			unid BC
DARC	7014,0	0538	04	01	FSK8	CHN?	UiMUX	125	1750	ALE, selcall 411

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	7018,0	0837	22	01	F1B	RUS	UiPTR	75	200	unid printer, location near Moscow
DARC	7018,0	1504	25	01	F1B	RUS	REA4 Russian Airforce			fast reversals, heard all month 1500 - 2000 - location is Moscow
DARC	7030,0	0836	18	01	F1B	RUS	UiPTR	75	200	unid printer
DARC	7030,0	2138	30	01	P0N		OTH-Radar			ticking pulses
DARC	7032,0	1008	19	01	J7D	RUS	UiMUX	12x120		MPSK-12, AT-3004-D
DARC	7035,2	0340	28	01	F1B		UiPTR	75	250	unid printer
DARC	7038,7	1851	29	01	A1A	UKR	beacon D Seva- stopol			so-called single letter beacon heard all month 1600 - 2200
DARC	7038,8	vt	10	01	A1A	RUS	beacon P Kalinin- grad			heard all month 1010 - 2133
DARC	7038,9	vt	10	01	A1A	RUS	S beacon Murmansk			heard all month 0730 - 2133
DARC	7039,0	1554	02	01	A1A	RUS	beacon C Moscow			so-called single letter beacon heard all month 1448 - 2200
DARC	7039,2	1555	02	01	A1A	RUS	beacon F Vladivostok			so-called single letter beacon
DARC	7039,4	1555	02	01	A1A	RUS	beacon M Magadan			so-called single letter beacon
DARC	7039,5	1030	13	01	A1A	I	IZ3DVW/ beacon			roundslip, harmful, S8-signal
DARC	7039,5	1115	03	01	A1A	I	IZ3DVW/ beacon			unwanted beacon, permanent
DARC	7040,0	2129	15	01	A3E	RUS	Voice of Russia			is active
DARC	7040,0	vt	vd	01	A3E	RUS	Voice of Russia			IM of 7105 x 7170 - heard 01 - 15 1707 - 2047
DARC	7042,0	1408	19	01	A3E		UiBC			vy distorted signal
DARC	7044,0	1049	10	01	A1A	RUS	REA4			dotter all month, very chirpy signal, hear all month 1048 - 2130, is very harmful as S 9 + 20 dB and wideband
DARC	7044,0	1448	16	01	A1A	RUS	REA4			dotter, very chirpy signal 50 kHz spread
DARC	7045,0	1723		01	FSK8	GEO	UiMUX	125	1750	ALE, selcalls 1BR, 4BR - is Georgian MIL, daily
DARC	7046,0	2121	22	01	F1B	Eu	UiPTR	50	200	encrypted printer signals, location North East Atlantic Ocean
DARC	7054,0	vt	vd	01	F1B	RUS	UiPTR	50	200	idling most of the time, 28 reports all month, heard 0700 - 2000 - location is East of Moscow - is extremely harmful!
DARC	7058,0	1442	03	01	A3E	IND	All India Radio			spurious signal, fundamental is on 7410
DARC	7060,0	2115	21	01	A3E	IRN?	IRIB Tehran ?			splatters and cracking noise from 7130
DARC	7060,4	2025	08	01		CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7061,0	1757	03	01	A3E	IND	All India Radio			spurious signal, fundamental is on 7410
DARC	7061,6	2038	17	01	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7061,6	2246	18	01	A1A	CHN	L9CC			roundslip "CP17 DE

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
										L9CC"
DARC	7061,8	2018	24	01	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7061,8	2305	23	01	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7061,9	1520	21	01	A1A	CHN	L9CC			roundslip, harmful, S8-signal
DARC	7062,2	2053	29	01	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7062,3	2325	10	01	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7063,4	2124	07	01	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7064,0	2048	11	01	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7064,8	1930	05	01	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7065,0	vt	01	01	A3E	IND	All India Radio			overmodulated SP from 7410 kHz, heard 1513 - 2054, also SP on 7755
DARC	7065,2	2139	02	01	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7066,2	2258	22	01	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7066,6	2037	03	01	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7067,0	1929	05	01	A3E	IND	All India Radio			spurious transmission of 7410
DARC	7068,0	2020	24	01	G7B		UiMUX			frequency hopper
DARC	7069,3	1812	20	01	A3E	IND	All India Radio			spurious signal S9+20dB, also SP on 7751 - fundamental is 7410
DARC	7070,0	1854	25	01	FSK8	CHN	UiMUX	125	1750	ALE, selcalls 514, 288, 244, PRC-net
DARC	7070,0	2138	30	01	P0N		OTH-Radar			ticking pulses
DARC	7075,0	1750	04	01	A3E	IND	All India Radio			spurious signal, fundamental is on 7410
DARC	7077,4	2244	31	01	A1A		beacon D Seva- stopol			spurious from 7038,7
DARC	7090,0	2017	17	01	J7D	RUS	UiMUX	12x120		MPSK-12, AT-3004-D
DARC	7090,0	vt	vd	01	A3E	RUS	Voice of Russia			splatters from 7105 - reported to KON
DARC	7098,0	vt	05	01	F1B	RUS	UiPTR	75	250	unid printer heard 05 13 at 0957, 1357
DARC	7100,0	1608	16	01	A3E	ERI	Voice of the Broad Masses			is active, heard all month 1500 - 1800
DARC	7100,0	1819	10	01	A3E	KRE	Voice of Korea (North)			is audible every day 1800 - 1930, program // 3560
DARC	7105,0	1655	21	01	A3E	RUS	VOR			harmful splatters down till 7080, heard 1655 - 2111
DARC	7115,0	1625	12	01	A3E		UiBC			compl. distorted Farsi px
DARC	7118,0	0954	12	01	F1B	RUS	UiPTR	81	250	unid printer heard 0912 - 0954
DARC	7130,0	1613	16	01	JAM	CHN	Hainan Firedrake Jammer			is active 12 16 29 at 1625, 1613, 1753
DARC	7152,0	0852	10	01	F1B	RUS	UiPTR	75	250	unid printer
DARC	7155,0	0912	16	01	J7D	RUS	UiMUX	12x120		MPSK-12, AT-3004-D
DARC	7155,0	0915	16	01	G7B		UiMUX			frequency hopper

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	7178,0	1515	02	01	J7D	RUS	UiMUX	12x120		MPSK-12, AT-3004-D
DARC	7185,0	1753	29	01	JAM	CHN	Hainan Firedrake Jammer			is active
DARC	7188,0	0957	26	01	F1B	RUS	UiPTR	81	250	unid printer
DARC	7193,0	1256	21	01	F1B	CIS	UiPTR	50	200	unid printer
DARC	7196,0	0837	18	01	F1B	RUS	UiPTR	75	200	unid printer
DARC	7198,0	vt	vd	01	J7D	RUS	UiMUX	12x120		MPSK-12, !T-3004-D, heard 24 28 at 0753, 1613
DARC	7200,0	2128	25	01	A3E	CHN	Radio China Interntl.			French px, vy much distorted, splatters down till 7180
DARC	10100,8	0711	31	01	F1B	D	DDK9			is active daily - German Weather Service, heard 0700 – 0920 – legal!!!
DARC	10105,8	1600	19	01	FSK8	TWN	UiMUX	125	1750	ALE, selcalls ABLAZE, AFF - is Taiwanese Navy, daily
DARC	10108,8	1610	10	01	F1B	D	DDK9			is active - German Weather Service
DARC	10108,8	vt	10	01	F1B	D	DDK9			heard 0747 - 0811
DARC	10112,0	1026	01	01	G7B	TUR	8PSK	2400	2700	STANAG-4285, 2,4, 8PSK, 600 bps long, is Turkish MIL, daily 0700 - 1030
DARC	10114,0	0711	14	01	F1B	RUS	UiPTR	100	170	unid printer, daily
DARC	10114,7	vt	vd	01	F1B	RUS	UiPTR	96	1000	CIS-14 heard 10 - 31 at 0700 - 0800
DARC	10121,0	0848	11	01	F1B	RUS	UiPTR	75	250	unid printer
DARC	10123,0	0807	11	01	J7D	RUS	UiMUX	12x120		MPSK-12, AT-3004-D
DARC	10123,0	0820	17	01	F1B	RUS	UiPTR			unid printer
DARC	10123,0	1027	01	01	F1B	RUS	UiPTR	75	250	unid printer
DARC	10125,0	0755	12	01	FSK8	LBY	UiMUX	125	1750	ALE, selcall TUBRUK, daily
DARC	10125,0	1039	08	01	FSK8	ALG	MFA Algeria	125	1750	ALE, selcalls MAE, TRP - is Algerian MFA
DARC	10126,6	0900	08	01	FSK10	G	UK-MIL		2,250 k	MSM-1250-system, 10 x 125 Bd, 2250 Hz
DARC	10130,0	0933	01	01	P0N	G / CYP	British OTH Radar Cyprus			chirping pulses
DARC	10130,0	vt	10	01	F1B	Ea.As	UiPTR	50	500	unid printer heard all month 0700 - 0930 - location is China or Korea
DARC	10130,2	vt	17	01	F1B		UiPTR			printer heard 0820 - 0920
DARC	10133,8	vt	vd	01	F1B	ARS	UiPTR	46	170	ARQ-E, heard 09 13 at 1439, 1458
DARC	10134,5	1937	25	01	P0N	F	French Ocean Surface Radar			is active
DARC	10136,0	0701	25	01	G7B		UiMUX			frequency hopper
DARC	10140,0	0959	05	01	A3E		UiBC			unid BC
DARC	10140,0	vt	vd	01	P0N	G / CYP	British OTH Radar Cyprus			chirping pulses 40 kHz spread, 50 Hz-system
DARC	10145,0	1824	06	01	P0N	G / CYP	British OTH Radar Cyprus			is active, 50 Hz system
DARC	10148,0	vt	vd	01	F1B	RUS	UiPTR	81	250	unid printer heard 07

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
										16 17 18 23 at 0839 - 0956
DARC	10150,0	1450	27	01	MFSK	RUS	UiMUX			36 tones, MFSK, CIS-36
DARC	10150,0	vt	vd	01	P0N		Super Darn			OHT-Radar "Super Darn", heard 13 23 at 1459, 1520
DARC	10200,0	0747	10	01	JAM	CHN	Hainan Firedrake Jammer			is active, just info
DARC	13970,0	vt	vd	01	JAM	CHN	Hainan Firedrake Jammer			is active 12 19 at 0905, 1307 - just for information!
DARC	14000,0	0726	23	01	A3E		UiBC			two BC programs at the same time, IM?
DARC	14000,0	0757	02	01	FSK8		UiMUX	125	1750	ALE, selcalls 1640, 105, unid
DARC	14000,0	1049	13	01	G7B		UiMUX			frequency hopper
DARC	14000,0	1427	17	01	A3E	ISR	ULX2 Mossad			female voice, roundslip "Uniform Lima X-Ray Two"
DARC	14000,0	1723	19	01	N0N		UiCAR			unid carrier
DARC	14001,0	vt	vd	01	N0N		UiCAR			long lasting carrier heard 03 31 at 1022, 0732
DARC	14006,0	0917	30	01	J7D	RUS	UiMUX	12x120		MPSK-12, AT-3004-D
DARC	14016,0	0925	25	01	G7B		UiMUX			frequency hopper
DARC	14024,0	1710	15	01	G7B		UiMUX			frequency hopper
DARC	14026,0	vt	vd	01	J7D	RUS	UiMUX	12x120		MPSK-12, AT-3004-D, heard 19 23 28 31 at 1133, 0830, 0948
DARC	14026,5	0820	17	01			UiMUX			roaring noise
DARC	14038,4	0842	18	01	F1B	LBY	UiPTR	600	600	DPRK-FSK-600, located Tripoli
DARC	14052,0	0728	31	01	J7D	RUS	UiMUX	12x120		MPSK-12, AT-3004-D
DARC	14056,0	0946	31	01	F1B	RUS	UiPTR	75	250	unid printer
DARC	14070,0	1020	28	01	G7B		UiMUX			frequency hopper
DARC	14090,0	1143	23	01	G7B		UiMUX			frequency hopper
DARC	14101,7	0958	28	01	F1B		UiPTR	10	170	Codan, selcalls 10012, 117117
DARC	14104,0	0941		01	F1B	RUS	UiPTR	76	250	unid printer
DARC	14104,0	vt	31	01	F1B		UiPTR			fast reversals heard 0705 - 0941
DARC	14104,0	vt	vd	01	F1B	BLR	UiPTR	81	150	unid printer, heard 19 31 at 0802, 0949
DARC	14114,5	0817	28	01	P0N	G / CYP	British OTH Radar Cyprus			50-Hz-system, 40 kHz spread
DARC	14120,0	0857	11	01	F1B	RUS	UiPTR	75	250	unid printer
DARC	14120,0	vt	10	01	F1B	RUS	UiPTR			unid printer heard 0747 - 0811
DARC	14120,0	vt	vd	01	F1B	RUS	UiPTR	81	250	unid printer, location near Moscow
DARC	14122,0	vt	vd	01	J7D	RUS	UiMUX	12x120		MPSK-12, AT-3004-D
DARC	14204,0	vt	10	01	F1B		UiPTR			unid printer heard 0747 - 0811
DARC	14211,0	1406	17	01	F1B	RUS	UiPTR	50	250	unid printer
DARC	14241,8	100	30	01	J7D	RUS	UiMUX	12x120		MPSK-16, 16 x 75 Bd, BPSK, location N.Ea of Moscow
DARC	14242,0	0822	28	01	J7D	RUS	UiMUX	12x120		MPSK-12, AT-3004-D
DARC	14260,0	0747	10	01	F1B		UiPTR		1000	unid printer
DARC	14270,0	1310	19	01	A3E	RUS	UiBC			Ru px, S8-signal, is 2F of 7135

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	14270,0	vt	vd	01	A3E	RUS	Radio Rossiye			harmonic of 7135, heard 15, 16 17 at 1252 - 1436
DARC	14273,0	1054	10	01	MFSK8		UiMUX			rushing noise
DARC	14306,0	0730	21	01	F1B		UiPTR			unid printer
DARC	14310,0	1602	20	01	A3E	ALBI/CHN	Radio Beijing			harmonic of 7155, relay station in ALB
DARC	14332,0	0820	17	01	F1B		UiPTR			unid printer
DARC	14336,0	vt	30	01	N0N		UiCAR			two carriers close together
DARC	14346,7	1047	02	01	Sitor A	EGY	MFA Cairo	100	170	MFA Cairo, ATU-80 alphabet
DARC	14350,0	0913	30	01	P0N	G / CYP	British OTH Radar Cyprus			is active, 50-Hz-system
DARC	14410,0	vt	vd	01	JAM	CHN	Hainan Firedrake Jammer			is active 10 20 at 0747, 0909, just info
DARC	18080,0	1010	25	01	A3E	PAK	Radio Pakistan			splatters from 17835, also distorted
DARC	18180,0	0905	12	01	JAM	CHN	Hainan Firedrake Jammer			is active 12 20 25 at 0905 - 1010, just for information!
DARC	21040,0	0825	15	01	P0N	G / CYP	British OTH Radar Cyprus			is active, 25 Hz-system
DARC	21135,0	1400	05	01	FSK8	IRQ	MOD Iraq	125	1750	ALE, selcalls IGF, 5DV, 7DV - is IRQ-MOD daily
DARC	21135,2	1205	06	01	FSK8	IRQ	Iraqi MIL Mossul	125	1750	ALE, selcalls 1643, 1644

MRASZ – Hungary - HA7PL (Laci)

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS
MRASZ	7000,0	0-24	DLY	01	FSK8	ALG	ALE	125	1750	ESD CONTACTED: ROW, SKJ
MRASZ	7000,0	0-24	DLY	01	FSK8	ALG	ALE	125	1750	AKK CONTACTED: POW, EKK, DKJ, DKJ CALLS LNM
MRASZ	7000,0	0-24	DLY	01	FSK8	UNID	ALE	125	1750	2211 SOUNDED
MRASZ	7000,0	0-24	DLY	01	FSK8	ALG	ALE	125	1750	CY52 CONTACTED CY40, CY51, CY56, RM50
MRASZ	7000,0	0-24	DLY	01	FSK8	UNID	ALE	125	1750	0899-1000
MRASZ	7000,0	0-24	DLY	01	FSK8	LBY	ALE	125	1750	MIZDA-GHARIAN: NEW INTRUDER
MRASZ	7000,0	0-24	DLY	01	FSK8	LBY	ALE	125	1750	HQ3 CONTACTED ZAWIA ZWARA.ZWARA CONTACTED GHADAMES.
MRASZ	7003,0	0-24	DLY	01	FSK8	USA	ALE	125	1750	R23722-T01185, T01204-MED2UP

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS
MRASZ	7005,0	0-24	DLY	01	FSK8	UNID	ALE	125	1750	123482 CONTACTED 123456
MRASZ	7008,0	0-24	DLY	01	FSK8	UNID	ALE	125	1750	362 CONTACTED 760
MRASZ	7010,0	0-24	DLY	01	FSK8	UNID	ALE	125	1750	RS-CS NETWORK
MRASZ	7014,0	0-24	DLY	01	FSK8	NIG	ALE	125	1750	NIGERIAN POLICE 411411, 4111,4113,4115,411 413,411414,411415, 4112-4111
MRASZ	7020,0	0-24	DLY	01	FSK8	UNID	ALE	125	1750	CS-RS NETWORK
MRASZ	7026,0	0-24	DLY	01	FSK8	UNID	ALE	125	1750	WP111 CONTACTED WPTOC: NEW INTRUDER!
MRASZ	7045,0	0-24	DLY	01	FSK8	GEO	ALE	125	1750	8GS net. GEORGIAN MILITARY. Callsigns:8GS,2BR, 1BR,SJS,BRN,KBT , ART, ZEN, MHE, 4BR, CQB,
MRASZ	7054,0	0-24	DLY	01	FSK2	RUS	RUS MIL	50	250	s7 fast revs and telegram
MRASZ	7061,0	0-24	DLY	01	FSK8	NIG	ALE	125	1750	NIGERIAN POLICE 211- 511,211211,211216, AND 411411 CONTACTED 411413,411414,411 415
MRASZ	7070,0	0-24	DLY	01	FSK8	CHN	ALE	125	1750	288 NET VERY ACTIV.CALLSIGN S:288,00,738,686,58 7,571,494,204,334,5 14,686,510
MRASZ	7080,0	0-24	DLY	01	FSK8	UNID	ALE	125	1750	SND:5810
MRASZ	7092,0	0-24	DLY	01	FSK8	UNID	ALE	125	1750	CALL SIGNS: 1020,2013,2011,201 2,4017,2010,2014,2 015,2016,4015,4016 ,3012,2017,4001,40 11,4012,4013 BUSY UNID NET 4 FIGURES CALLSIGNS
MRASZ	7100,0	0-24	DLY	01	FSK8	USA	ALE	125	1750	COROPS-DESOPS- TALOPS: USA MILITARY NET
MRASZ	7100,0	0-24	DLY	01	FSK8	UNID	ALE	125	1750	0710 CONTACTED 0709, 0711, 1511 NEW INTRUDER SOUNDED: 1126,1505,1000,200 8
MRASZ	7100,0	0-24	DLY	01	FSK8	ALG	ALE	125	1750	ASD CONTACTED EKK, DKJ, CSD, POW
MRASZ	7100,0	0-24	DLY	01	FSK8	UNID	ALE	125	1750	MOB2MSS CONTACTED OKROKANMSS

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS
MRASZ	14030,0	836	DLY	01	G7D	Ui	UiMUX			FREQUENCY HOPPING TRANSMISSION, RACAL PANTHER-H
MRASZ	14246,0	1204	DLY	01	FSK2	KRE	UiPTR	600	600	North Korean embassy
MRASZ	14345,0	1103	DLY	01	FSK2	KRE	UiPTR	600	600	North Korean embassy
MRASZ	14222,0	1205	DLY	01	G7D	Ui	UiMUX			FREQUENCY HOPPING TRANSMISSION, RACAL PANTHER-H

OEVSV – Austria – OE3DMA (Alex)

RSGB - Great Britain – G4BOH (Chris)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	REMARKS
RSGB	6995.0 - 7005.0	0030-0230	DLY	01	SER	RADIO SERBIA	A3E	Spurious from BC station on 7115 kHz. Baldock informed. Observations continue.

SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	REMARKS
SRAL	7008,0	0600-1230	3, 12 28	1		UiPTR	F1B	250	
SRAL	7018,0	1100-2200	dly	1	RUS	REA4	F1B	1000	25 Hz dotter
SRAL	7030,0	0830-1300	*	1		UiPTR	F1B	250	Days 12, 25 & 28
SRAL	7032,0	0730-1400	1, 19	1		UiPTR	F1B		40 Hz dotter
SRAL	7038,7	h24	dly	1	UKR	D	A1A		Sevastopol
SRAL	7038,8	h24	1-16	1	RUS	P	A1A		Kaliningrad
SRAL	7038,9	h24	dly	1	RUS	S	A1A		Severomorsk/Murmansk
SRAL	7039,0	h24	dly	1	RUS	C	A1A		Moscow
SRAL	7039,0	0500-	23	1	RUS	V	A1A		C miskeyed?
SRAL	7044,0	1030-1500	7-18	1	RUS	REA4	F1B		20 Hz dotter
SRAL	7050,0	0825	14	1	RUS	RGT77	A1A		MR 5F
SRAL	7054,0	0600-0800	dly	1	RUS	UiPTR	F1B	200	25 Hz dotter
SRAL	7054,0	1800-2000	dly	1	RUS	UiPTR	F1B	200	25 Hz dotter, occ. also 2100-0600
SRAL	7078,0	0900-	14	1		UiPTR	F1B	250	
SRAL	7098,0	1430-	31	1		UiPTR	F1B	250	
SRAL	7100,0	1755-2100	dly	1	KRE	Voice of Korea	A3E		
SRAL	7100,0	0330-0600	dly	1	ERI	VoBME	A3E		
SRAL	7100,0	1400-1803	dly	1	ERI	VoBME	A3E		
SRAL	7118,0	0500-1330	12, 22	1		UiPTR	F1B	250	37.5 Hz dotter
SRAL	7149,0	0830-0900	19	1		UiMUX	F7		
SRAL	7159,0	0900-0930	14	1		UiPTR	F1B	200	

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	REMARKS
SRAL	7188,0	0830-1230	3, 9	1		UiPTR	F1B	250	37.5Hz dotter
SRAL	7198,0	0830-1630	*	1		UiMUX	F7		Days 14, 19 & 28

USKA – Switzerland – HB9CET (Peter)

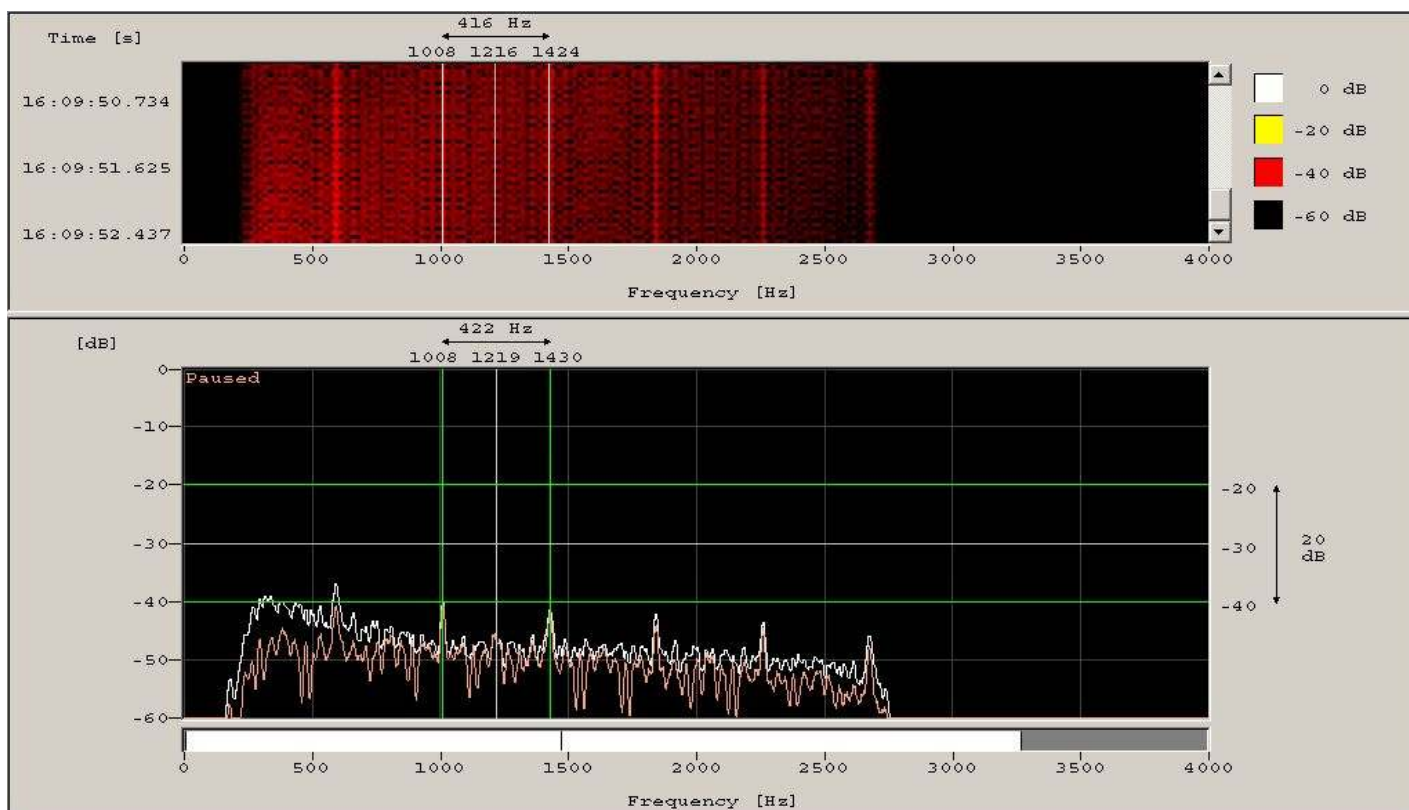
SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
USKA	7000.0	1623	20	01		Names	J3E u			italian conversation, 3 Stations
USKA	7000.0	1627	20	01	ALG	CY52	J7D	125	1750	ALE MIL188-141A to RM5 - this is CY52
USKA	7000.0	1642	20	01		CY52	J7D	125	1750	ALE MIL188-141A to CY4 - this is CY52 daily
USKA	7000.0	2026	20	01		2214	J7D	125	1750	ALE MIL188-141A this was 2214 daily
USKA	7003.0	0855	21	01	MEa	T01185	J7D	125	1750	ALE MIL188-141A this was T01185 daily
USKA	7003.0	0913	21	01		T01204	J7D	125	1750	ALE MIL188-141A this was T01185 daily
USKA	7003.0	2203	21	01		152	J7D	125	1750	ALE MIL188-141A to 201 - this was 152
USKA	7008.0	1053	03	02	RUS		F1B	75	250	unident Printer QTF: east of Moscow
USKA	7010.0	1353	22	01		RS0	J7D	125	1750	ALE MIL188-141A to CS0 - this is RS0 daily
USKA	7010.0	1355	22	01	MKD	RS007	J7D	125	1750	ALE MIL188-141A to CS0 - this is RS008 daily
USKA	7018.0	1417	02	01	RUS	REA4	F1B	50	1000	FSK Dots, QTF near Moscow, 50Baud Reversals daily
USKA	7032.0	1413	02	01			J7D	12x12 0		MPSK12 = AT3004D = MS5
USKA	7038.7	1608	02	02	UKR	D	A1A			Beacon D - Sevastopol daily
USKA	7038.8	1607	02	01	RUS	P	A1A			Beacon P - Kaliningrad daily
USKA	7038.9	1615	02	02	RUS	S	A1A			Beacon S - Murmansk daily
USKA	7039.0	1611	02	02	RUS	C	A1A			Beacon C - Moscow daily
USKA	7044.0	1244	09	01	RUS	REA4	A1A			Dots only, QTF: Omsk daily
USKA	7045.0	1116	23	01			F1B	50	250	unident Printer
USKA	7054.0	1935	08	01	RUS		F1B	50	200	unident Printer QTF: Nishni Novgorod daily
USKA	7065.0	1727	01	01	IND	AIR	A3E			IM from All India Radio 7410,000 kHz
USKA	7092.0	1937	21	01	RUS		A3E			Splatter from Voice of Russia on 7105 kHz daily
USKA	14248.5	1241	16	01	LBY		F1B	600	600	DPRK FSK 600
USKA	21182.0	1109	03	01		Names	J3E u			arabic language, long conversation no hams
USKA	21232.0	1101	03	01		Names	J3E u			arabic language, long conversation no hams

Veron – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	3500,0	16.02	4	1	F	UiIIL	J3e-u		French fishery, male,
VERON	3510,0	16.37	18	1	CIS	UiPtr	F1B	250	Ptr
VERON	3530,0	20.12	4	1	RUS	UiIIL	J3e-u		Russian, male voice
VERON	7018,0	13.49	**	1	RUS	REA4	F1B	1000	20.30 utc, Rus Airforce, 20 days, QRM 5
VERON	7038,7	06.57	**	1	UKR	D	A1A		20.27 utc, beacon, 24 days
VERON	7038,8	06.57	**	1	RUS	P	A1A		20.26 utc, beacon, 17 days
VERON	7038,9	06.57	**	1	RUS	C	A1A		20.26 utc, beacon Moscow, 29 days
VERON	7038,9	07.10	**	1	RUS	S	A1A		16.35 utc, beacon, 21 days

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	7039,0	07.10	23	1	RUS	V	A1A		V-beacon
VERON	7039,2	08.25	**	1	RUS	F	A1A		16.20 utc, beacon, 7 days
VERON	7044,0	11.50	**	`1	RUS	REA4	A1B		21.56 utc, dotter, 10 days, mulilated
VERON	7050,0	08.34	9	1	RUS	RGT77	A1A		rgt77 826=5BL parallel 14092 KHz
VERON	7050,0	07.20	11	1	RUS	RGT77	A1A		5BL parallel 14092 KHzV
VERON	7050,0	08.21	16	1	RUS	RGT77	A1A		rgt77 882= 5BL K
VERON	7050,0	09.20	23	1	RUS	RGT77	A1A		rgt77 499= 5BL = K
VERON	7050,0	14.45	27	1	RUS	RGT77	A1A		5BL =K
VERON	7050,0	08.16	28	1	RUS	RGT77	A1A		5BL=K parallel 14092 KHz
VERON	7050,0	08.16	28	1	RUS	RGT77	A1A		5BL=K parallel 7050 KHz
VERON	7054,0	06.54	**	1	RUS		F1B	200	RUS MIL Moscow
VERON	7056,0	07.01	23	1	CIS	8S1Q	A1A		XXX 8S1Q 49582 ekinacia 27866030 K
VERON	7056,0	08.02	23	1	CIS	9PGR	A1A		Proc
VERON	7056,0	08.11	23	1	CIS	9PGR	A1A		to OVN4, QUKZ, Proc
VERON	7056,0	07.00	24	1	CIS	8S1Q	A1A		XXX 8S1Q 09594 WPUSKAME
VERON	7056,0	13.47	25	1	CIS	UiCW	A1A		XXX ...71901207 K
VERON	7060,6	14.54	8	1	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7060,6	15.14	8	1	CHN	L9CC	A1A		mix of figures and letters handsent CRT
VERON	7062,0	14.40	23	1	CHN	L9CC	A1A		vv.svc.ga HR SVC GA nr 0922245 rmks etc
VERON	7062,6	13.16	23	1	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7063,4	15.09	7	1	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7064,1	14.49	11	1	CHN	L9CC	A1A		vvv hr svc ga nr 66 2245 rmks 13690 etc
VERON	7064,1	14.52	11	1	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7064,7	13.41	4	1	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7064,8	15.57	2	1	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7065,1	17.48	20	1	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7066,0	15.43	15	1	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7066,3	16.48	22	1	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7066,6	20.19	3	1	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7066,7	14.55	16	1	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7068,0	21.28	5	1	India	A.I.R.	A3E		Air India Radio, BC, heavy distortion
VERON	7069,5	17.58	27	1	CHN	L9CC	A1A		CP17 de L9CC V (roundslip)
VERON	7071,0	16.25	30	1	CHN	UiMUX			FSK 8
VERON	7076,0	22.00	4	1	RUS	A.I.R.	A3E		Splatter BC 7105 KHz (Russian)
VERON	7084,0	21.20	29	1	RUS	A.I.R.	A3E		Splatter BC 7105 KHz (Russian)
VERON	7093,0	22.00	18	1	RUS		A3E		Splatter BC 7105 KHz (Russian)
VERON	7098,0	14.25	31	1		UiPtr	F1B		Ptr
VERON	14026,0	11.21	30	1	RUS	UiMUX	J7D		MPSK12, military, AT3004D
VERON	14044,0	16.01	5	1	E	UiIIL	J3e-u		Spanish, male
VERON	14056,0	14.28	29	1		UiPtr	F1B		Ptr
VERON	14092,0	08.34	9	1	RUS	RGT77	A1A		rgt77 826=5BL parallel 7050 KHz
VERON	14092,0	07.20	11	1	RUS	RGT77	A1A		5BL parallel 14092 KHzV
VERON	14092,0	08.21	16	1	RUS	RGT77	A1A		rgt77 882= 5BL K
VERON	14092,0	09.20	23	1	RUS	RGT77	A1A		rgt77 499= 5BL = K
VERON	14115,0	12.13	17	1	E	UiIIL	J3e-u		Spanish-male voices, fishery
VERON	14337,0	14.50	5	1	Mea	UiIIL	J3e-u		Arabic-male voice calling
VERON	18085,0	12.20	29	1		UiPtr	F1B		Idling
VERON	18110,0	11.00	16	1		UiIIL	J3e-u		Asian language, male,
VERON	21261,0	10.42	14	1		UiIIL	J3e-u		Asian language, male, fishery

Superdarn HF Radar on 10145 kHz – sonogram and spectrogram (FFT) with Wavecom W61 Decoder



IARUMS Region 1

Manual2006, Monitoring Template, WAV-files, Fishery Buoys on 10m, Latest Intruder News, Co-ordinator's Corner, Monthly Overview, Newsletter Collection, Important Links, Contacts, Gallery, History of IARUMS Region 1, ITU Informations, the Story of Ron Roden's Life, Successful Actions, Bandplans, Frequency Allocation Tables and Soundfiles are available on: <http://www.iarums-r1.org>

Many thanks for your interest!

The monitoring team of IARU Region 1

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