



International Amateur Radio Union



Region 1

Monitoring System

- IARUMS Region 1 -

DK2OM – Wolf Hadel
Co-ordinator of IARUMS Region 1
Editor of the Newsletter

DJ9KR – Uli Bihlmayer
Vice Co-ordinator of IARUMS Region 1
Editor of the Overview

The monthly newsletter for Region 1

April 2008

The members of the IARUMS Region 1 monitoring team:



Acknowledgements

++ ARSK: 5Z4NU - Ted ++ DARC: DJ9KR - Uli ++ MRASZ: HA7PL - Laci ++ OEVS: OE3DMA – Alex ++
++ RSGB: G4BOH - Chris ++ SART: ZS6AKV - Hans ++ SRAL: OH2BLU - Pekka ++
++ USKA: HB9CET - Peter ++ VERON: PA0GRU - Dick ++ RAL: OD5RI - Riri ++
++ WA4FKI - Bill (Co-ordinator Region 2) ++ VU2UR - Arasu (Co-ordinator Region 3) ++
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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 decoders

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Part 1: News and Infos

1. Local interference from 1.8 - 14 MHz

Due to local interference from 1.8 - 14 MHz, caused by a neighbored Plasma-TV, I was not able to do my monitoring work in April. The disturbing signals are running up and down. If you are glad to have found a free place on 1.8 – 3.5 – 7.0 or 10.0 MHz, few seconds later the “pig grunt” noise will be back again and destroy all your efforts. A switching power supply form a TV interferred 14 MHz. Forget phone traffic or a signal analysis!

Further informations: <http://www.iarums-r1.org>

Look under soundfiles and Local QRM!

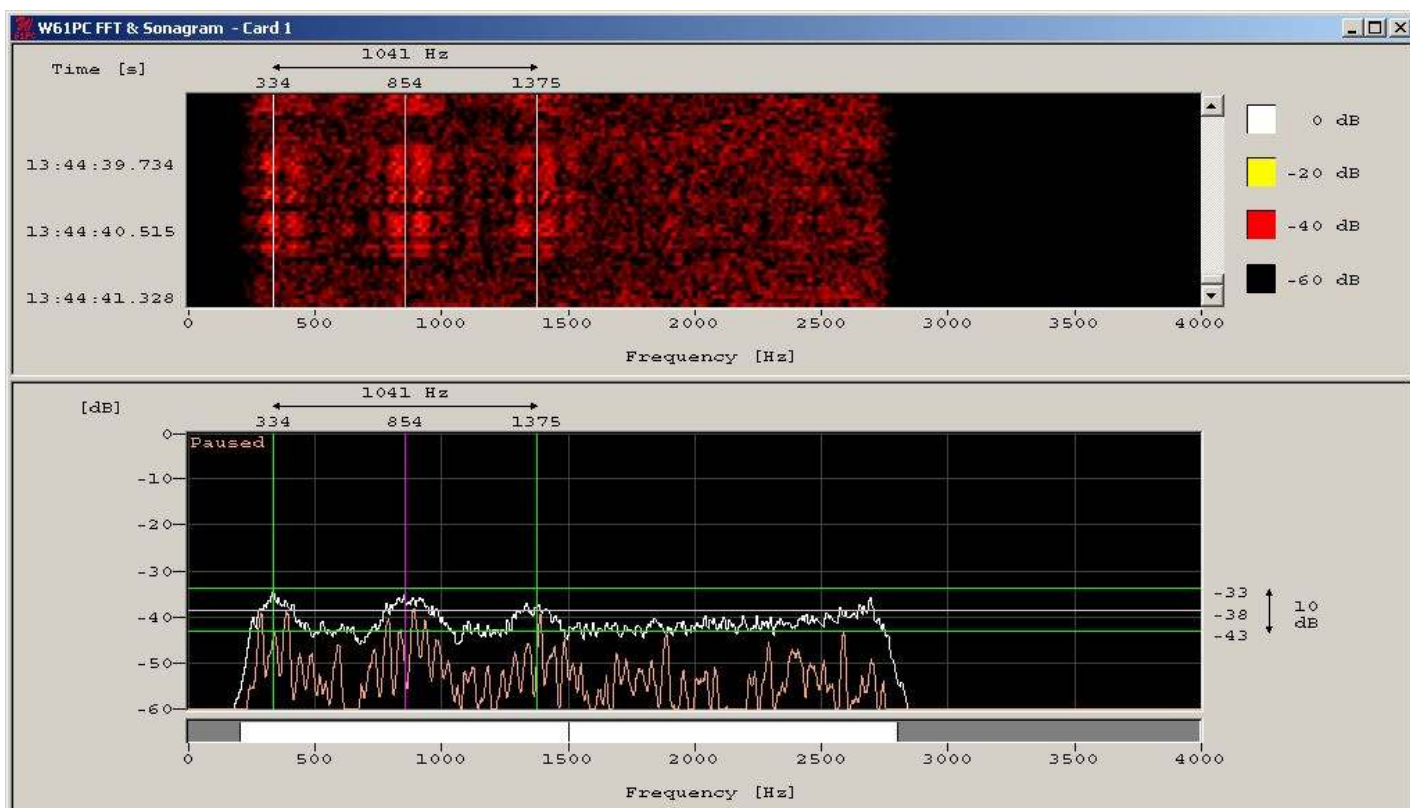
These soundfiles are helpful, if you have TV-interference, too. A detailed description of the TV-problems with sonograms and spectrograms will follow later on our homepage.

2. 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>

**Plasma TV on 3515 kHz – signalstrength: S 9 and more daily from 0600 – 0000 utc or later.
Forget phonetraffic or measurements! Also audible on 1.8 – 7 - 10 and 14 MHz.**



Screenshot: DK2OM with a Wavecom W61 Decoder – sonogram and FFT

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 (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 *** MOPO = Ministry of Public Order

ARSK MONITORING REPORT FOR APRIL, 2008

Due to frequent unadvertised power cuts monitoring was interrupted too much for consistent results. However, nothing of unusual interest was observed. There appeared to be fewer Somalia stations operating in the upper part of the 40 meter band but whether this was due to increased local hostilities or propagation is unclear.

My thanks to all contributors to this report.

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	4	ETH?	UiPHONE	J3E	Amharic. Spreads into 40 m. band.
ARSK	6999.0	vt	dly	4	KEN? UGA? TZA?	08, 15, 16, 20, 23, 24, 25, 26, 27, 43, 60, 62, 64, 66,	J3Eu	Spreads into 40 m band. Traffic appears to be details of air movements over East and Central Africa.
ARSK	7000.0	vt	dly	4	SOM DJI	Bossasso, Djibouti, Afmadu	J3Eu	Somalis. Phone patching.
ARSK	7005.0	0912	27	4	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7008.0	vt	dly	4	SDN	ET, M7, M10, M18, M21, M22, M125, 35, CM, others	J3E J3Eu	English, vernaculars, verbal Morse.Selcal. SPLA. Malakal mentioned. Both sidebands used. Also uses 6877 KHz. USB.
ARSK	7012.0	vt	dly	4	SOM	Kismayu, Afmadu, Dobleh, Baidoa?	J3Eu	Somalis, SelCal. Some KiSwahili, prob. Bajuni.
ARSK	7015.0	0520 0528	10 29	4	TZA?	UiPHONE	J3E	KiSwahili. Probably Tanzania.
ARSK	7018.0	1513	26	4	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7026.0	vt	dly	4	SDN?	WY, AS, AK, Tembo, Twiga, K1, K2, JO, T2, JP, TA, II, FA,	J3Eu	English. NGO.
ARSK	7027.0	vt	dly4	4	ZAI	UiPHONE	J3Eu	French, vernacular. NGO?
ARSK	7030.0	vt	*	4	SOM	UiPHONE	J3Eu	Somalis. *26,
ARSK	7031.0	vt	*	4	SOM KEN	Garissa, Bocarro	J3Eu	Somalis.*30.
ARSK	7033.0	0557	24	4	SDN	UiPHONE	J3E	Nilotic language.
ARSK	7035.0	vt	dly	4	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7036.0	0610	1	4	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7040.0	0605	1	4	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7040.0	var	*	4	ETH	UiPHONE	J3Eu	Amharic.*1,
ARSK	7045.0	vt	dly	4	SDN	MM, NE, NU, AA, AK, AJ, AL, AT, AO, DU, WL1, WL2, WL4, WL5, WL6,	J3E J3Eu	Vernacular, Dholuo? English, phonetics. SelCal. Sudan, NGO, SPLA or SNLA? Sends messages in phonetic five letter groups, probably a single-substitution

H'd by	kHz	UTC	dd	mm	ITU	Identity	Mode	Details
						WL9, WL10, BR, WM, NU, MAJ, Ikola? Kabwe, Kalulu		cypher.
ARSK	7046.0	vt	*	4	SOM	UiPHONE	J3Eu	Somalis. *1,
ARSK	7048.0	vt	dly	4	SDN	WA, S, T, SM, AU, PK, PS, AC, BC, B3, B7, B8, B15,CC, Malakal, Yambio,	J3E	English, vernacular, verbal Morse. NGO or SPLA?
ARSK	7057.0	vt	dly	4	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7061.0	vt	dly	4	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7066.0	vt	dly	4	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	7070.0	1515	26	4	ZAI?	UiPHONE	J3E	Vernacular.
ARSK	7070.0	vt	dly	4	SOM ERI	Asmara, Afmadu, Dobleh, Baidoa, Merere, Garoe, Burhane, Mogadishu, Kismayu, Beletwein	J3Eu	Somalis. SelCal. Often late at night.
ARSK	7075.0	vt	dly	4	SOM	Galkayu, Kismayu, Baidoa	J3E J3Eu	Somalis. SelCal, phonepatching.
ARSK	7080.0	vt	*	4	ZAI	UiPHONE	J3Eu	KiSwahiki and vernacular. *26,30.
ARSK	7089.0	vt	*	4	SOM	Boccaro.	J3Eu	Somalis. *28,30.
ARSK	7090.0	0746	30	4	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7100.0	vt	dly	4	ERI	VOBM	A3E	Voice of the Broad Masses, Eritrea, broadcast.
ARSK	14062.0	1450	14	4	?	UiPHONE	J3Eu	Possibly Urdu.

DARC – Germany – Part 1 – DJ9KR (Ui)

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
DARC	3500,0	0906	02	04	J3E-U	G	UiILL	British fishery
DARC	3500,0	1715	05	04	J3E-U	HRV	UiILL	pirates in Serbo-Croatian voice
DARC	3500,0	1913	07	04	J3E-U	G	UiILL	fishery from Wales
DARC	3500,0	2136	08	04	J3E-U	F	UiILL	French pirates, fishery?
DARC	3500,0	1959	10	04	J3E-U	G	UiILL	British fishery
DARC	3500,0	2135	12	04	J3E-U	E	UiILL	Spanish fishery, also using vocoder system "CRY-2001" to scramble traffic
DARC	3500,0	1843	20	04	J3E-U	I	UiILL	Italian pirates
DARC	3500,0	1833	23	04	J3E-U	F	UiILL	pirates in French voice
DARC	3500,0	vt	vd	04	J3E-U	E	UiILL	Spanish fishery, heard 01 12 20 at 0956, 1946, 1750, 1927
DARC	3505,0	0620	07	04	J3E-U	E	UiILL	Spanish fishery
DARC	3515,0	0854	05	04	J3E-U	F	UiILL	French fishery, engine noise
DARC	3519,0	1830	04	04	J3E-U	G	UiILL	pirates in English plain voice
DARC	3520,0	0720	03	04	J3E-U	F	UiILL	French male persons, using USB, no calls
DARC	3520,0	2121	06	04	J3E-U	HRV	UiILL	woman in Serbo-Croatian voice
DARC	3520,0	2107	20	04	J3E-U	RUS	UiILL	women in Russian voice
DARC	3525,0	0907	25	04	J3E-U	F	UiILL	pirates in French voice
DARC	3534,5	1937	22	04	J3E-U	G	UiILL	English fishery
DARC	3535,0	1727	03	04	J3E-U	HOL	UiILL	Dutch pirates
DARC	3535,0	1930	22	04	J3E-U	E	UiILL	Spanish fishery
DARC	3539,0	0650	22	04	J3E-U	F	UiILL	pirates in French voice
DARC	3540,0	vt	vd	04	J3E-U	F	Echo-Zero	French pirates, fishery, heard 08 09 14 24 at 0436, 1750, 1920
DARC	3542,0	1413	22	04	J3E-U	G	UiILL	pirates in English plain voice

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
DARC	3545,0	2103	01	04	J3E-U	G	UiILL	British fishery
DARC	3545,0	0643	09	04	J3E-U	G	UiILL	British fishery
DARC	3545,0	vt	vd	04	J3E-U	E	UiILL	Spanish fishery, sometimes using scrambler "CRY-2001" vocoder, heard 04 05 07 at 0933, 0701, 0646
DARC	3550,0	1559	01	04	J3E-U	N.Eu	UiILL	Scandinavian male persons
DARC	3550,0	0730	22	04	A3E	F	F5DQH	OP Michel
DARC	3550,0	0730	22	04	A3E	F	F6ACB	OP Roland, Villeneuve-sur-Lot
DARC	3550,0	vt	vd	04	A3E	F	French Lis Amateurs	daily heard 0600 - 0730 - is in contradiction to IARU BANDPLAN - only CW in this range
DARC	3550,0	vt	vd	04	J3E-U	F	French Lis Amateurs	heard 05 07 at 0711, 0651
DARC	3555,5	1833	24	04	J3E-U	F	UiILL	pirates in French voice
DARC	3560,0	2008	02	04	J3E-U	E	UiILL	Spanish fishery, sometimes using scrambler "CRY-2001" vocoder
DARC	3574,0	1340	17	04	J3E-U	E	UiILL	Spanish fishery, also using vocoder system "CRY-2001" to scramble traffic
DARC	3575,0	2017	18	03	A3E	F	French Lis Amateurs	is in contradiction to IARU BANDPLAN, only CW in this range!
DARC	3585,0	1923	05	04	J3E-U	E	UiILL	Spanish fishery
DARC	3588,0	2003	21	04	J3E-L	F	French Lis Amateurs	French lis amateurs, using SSB-LSB
DARC	3590,0	1957	21	04	J3E-U	E	UiILL	Spanish fishery, engine noise
DARC	3590,0	0713	25	04	J3E-U	E	UiILL	Spanish fishery
DARC	3595,0	1659	20	04	J3E-U	RUS	UiILL	traffic in Russian voice, male and female persons
DARC	3600,0	1958	02	04	J3E-U	G	UiILL	British fishery heard 02 11 at 1958, 2148
DARC	7000,0	0800	01	04	J3E-U		UiILL	reproducing music
DARC	7000,0	1644	03	04	J3E-U	I	UiILL	Italian Amateurs (???), using LSB
DARC	7021,0	0548	21	04	A3E	F	UiILL	French male voice in AM
DARC	10101,0	1627	14	04	J3E-U	MRC	UiILL	pirates from Morocco, fishery?
DARC	10101,0	1928	25	04	J3E-U	MRC	UiILL	pirates from Morocco, fishery?
DARC	10111,2	vt	22	04	J3E-U	E	UiILL	2 male persons in Spanish voice, heard 0804, 1334, 1612
DARC	10120,0	1928	06	04	J3E-U	E	UiILL	Spanish male to female, to 10127
DARC	10120,0	1556	21	04	J3E-U		UiILL	unid male voices
DARC	10125,0	vt	21	04	J3E-U	INS	UiILL	2 male persons in Indonesian voice, heard 1556 - 1609
DARC	10127,0	1935	06	04	J3E-U	E	UiILL	Spanish male to female, from 10120, to 10130
DARC	10127,5	vt	18	04	J3E-U	I	UiILL	3 male persons, engine noise, Italian dialect - heard 0716, 0754, 0910
DARC	10127,5	vt	vd	04	J3E-U	E	UiILL	Spanish pirates heard 00 10 11 at 0830, 0925, 0724
DARC	10127,6	0707	07	04	J3E-U	E	UiILL	Spanish fishery
DARC	10128,0	vt	28	04	A3E	RUS	105-000	"ONE ZERO FIVE (3x) ZERO ZERO ZERO (1x), synthetic English male voice, heard 2000 - 2003 - Russian Intelligence Service
DARC	10130,0	1936	06	04	J3E-U	E	UiILL	Spanish male to female, from 10127
DARC	10132,0	0933	15	04	J3E-U	F	Lis Amateurs	French and British amateurs, no respect of IARU Bandplan wich does not allow SSB on Band 10
DARC	10132,0	0933	15	04	J3E-U	G	Lis Amateurs	French and British amateurs, no respect of IARU Bandplan wich does not allow SSB on Band 10
DARC	10136,4	0859	02	04	J3E-U	G	UiILL	pirates in English plain voice
DARC	10147,0	1703	18	04	J3E-U	INS	UiILL	pirates in Indonesian voice, using LSB
DARC	10147,0	vt	vd	04	J3E-U	INS	UiILL	Indonsian pirates heard 01 - 10 at 1535 - 1600, using LSB, 10 reports, daily
DARC	10150,0	0835	20	04	J3E-U	E	UiILL	Spanish fishery
DARC	10150,0	1608	22	04	J3E-U	RUS	UiILL	Russian male to female

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS		
DARC	14000,0	1701	09	04	J3E-U	INS	UiILL	pirates, singing		
DARC	14000,0	0841	22	04	J3E-U	E	UiILL	Spanish pirates, male to female		
DARC	14000,0	vt	vd	04	J3E-U	CLN	UiILL	fishery from Sri Lanka, heard 01 02 at 0842, 1554		
DARC	14055,0	0813	01	04	J3E-U		E-08, C-1	2 male pesons, "radio check"		
DARC	14055,2	1710	19	04	J3E-U		M-1093, Charlie	female net, "radio check", idents "M-1093", "Charlie"		
DARC	14055,2	1708	26	04	J3E-U	G	UiILL	unid pirates, south east coast of U.K.		
DARC	14065,3	1741	20	04	J3E-U	E	UiILL	Spanish fishery		
DARC	14070,0	2028	15	04	J3E-U	E	UiILL	pirates in Spanish voice		
DARC	14115,0	1355	11	04	J3E-U	F.Ea	UiILL	pirates from Far East, male and female persons		
DARC	14149,0	1707	18	04	J3E-U	F	UiILL	French pirates, no calls		
DARC	14151,6	1713	18	04	J3E-U	MRC	UiILL	pirates from Morocco, fishery?		
DARC	14161,8	1635	22	04	J3E-U	E	UiILL	2 male persons in Spanish voice" "barco" (= ship) often mentioned		
DARC	14350,0	1624	04	04	J3E-U	MRC	UiILL	Moroccan fishery, one OP is "Hamid"		

DARC – Germany – Part 2 – DK2OM (Wolf)

Not available due to strong QRM! Observe the remarks on the top!

MRASZ – Hungary - HA7PL (Laci)

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS
MRASZ	7000,0	0-24	DLY	4	FSK8	UNID	ALE	125	1750	0804 - 0810 UNIDENTIFIED NETWORK
MRASZ	7000,0	0-24	DLY	4	FSK8	ALG	ALE	125	1750	ALGERIAN MILITARY NETWORK. BUSY TRAFFICING: ASD, DKJ, POW, EKK, IWK, LNM
MRASZ	7000,0	0-24	DLY	4	FSK8	UNID	ALE	125	1750	NEW INTRUDER: 3001 - 1050
MRASZ	7000,0	0-24	DLY	4	FSK8	UNID	ALE	125	1750	BIGGEST NETWORK EVER HEARD IN AMATEUR BANDS! NET 200 WAS ACTIVE AGAIN. STATIONS: 2004, 2013, 2025, 2026, 2050, 2110, 2111, 2117, 2009, 2024, 2026, 2046, 2047, 2050, 2101, 2116, 2117, 2010, ... MORE THAN 30!
MRASZ	7003,0	0-24	DLY	4	FSK8	USA	ALE	125	1750	US AIRFORCE IN KOSOVO. T01185, T01204 AND T01158 CONTROLLED R23715, R23839, R23894, R24509, R27022, R23574 HELICOPTERS.
MRASZ	7005,0	0-24	DLY	4	FSK8	UNID	ALE	125	1750	500 CALLED 8001
MRASZ	7010,0	0-24	DLY	4	FSK8	UNID	ALE	125	1750	RS - CS NETWORK WAS BUSY AS USUAL.
MRASZ	7014,0	0-24	DLY	4	FSK8	NIG	ALE	125	1750	NIGERIAN POLICE. 4111, 4112, 4113, 4114, 611411
MRASZ	7014,0	0-24	DLY	4	FSK8	MTN	ALE	125	1750	MAURATANIAN UNID NET: BENNI - KP66
MRASZ	7020,0	0-24	DLY	4	FSK8	UNID	ALE	125	1750	RS - CS NETWORK WAS BUSY AS USUAL.
MRASZ	7060,0	0-24	DLY	4	FSK8	UNID	ALE	125	1750	9056 SOUNDED
MRASZ	7061,0	0-24	DLY	4	FSK8	NIG	ALE	125	1750	NIGERIAN POLICE. 211, 2111, 2115, 211211
MRASZ	7070,0	0-24	DLY	4	FSK8	CHN	ALE	125	1750	CHINESE 244 - 288 NETWORK

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS
MRASZ	7070,0	0-24	DLY	4	FSK8	UNID	ALE	125	1750	UNID 1111 NET 6011, 1101.
MRASZ	7080,0	0-24	DLY	4	FSK8	UNID	ALE	125	1750	5810 SOUNDED
MRASZ	7090,0	0-24	DLY	4	FSK8	UNID	ALE	125	1750	4001 SOUNDED
MRASZ	7092,0	0-24	DLY	4	FSK8	UNID	ALE	125	1750	UNID 200 NET WAS VERY ACTIVE SUCH AS IN 7000 kHz.
MRASZ	7097,0	0-24	DLY	4	FSK8	UNID	ALE	125	1750	9ST - BAS NEW INTRUDER.
MRASZ	14234,0	1130	28	4	FSK2	KRE	UiPTR	600	600	NORTH KOREAN DIPLOMATIC TRAFFIC

OEVSV – Austria – OE3DMA (Alex)

RSGB - Great Britain – G4BOH (Chris)

SRAL – Finland – OH2BLU (Pekka)

Society	QRG	UTC	DD	MM	ITU	IDENT	MODE	SH	REMARKS
SRAL	7003,0	1315	18	4		UiCW	A1A		QSV vvv
SRAL	7006,5	1115-1130	28	4		UiPTR	F1B		
SRAL	7018,6	1300-1530	18	4		UiCarr	N0N		
SRAL	7022,0	1800-1830	17	4		UiMUX	F7		
SRAL	7030,0	1300-1330	17	4		UiPTR	F1B	250	
SRAL	7033,0	1300-1630	2	4		UiPTR	F1B	250	
SRAL	7036,0	1750-1810	8,17	4		UiPTR	F1B	500	25 Hz dotter
SRAL	7038,7	h24	dly	4	UKR	D	A1A		Sevastopol
SRAL	7038,9	h24	dly	4	RUS	S	A1A		Severomorsk/Murmansk
SRAL	7039,0	h24	dly	4	RUS	C	A1A		Moscow
SRAL	7046,0	0400-0415	2	4		UiCW	A1A		MR 5F
SRAL	7054,0	1700-1830	*	4	RUS	UiPTR	F1B	200	20 Hz dotter. Days 17,18,25,27,28
SRAL	7054,0	0500-0700	*	4	RUS	UiPTR	F1B	200	20 Hz dotter. Days 17,18,25,27,28
SRAL	7100,0	1755-2000	dly	4	KRE	Voice of Korea	A3E		
SRAL	7100,0	0400-0530	dly	4	ERI	VoBME	A3E		
SRAL	7100,0	1500-1803	1-22	4	ERI	VoBME	A3E		
SRAL	7105,0	1400-1530	dly	4	CHN	JAM	A3E		"Firefox"
SRAL	7112,0	0845-0900	25	4		UiMUX	F7		
SRAL	7122,0	0330-1830	1-4	4	RUS	RDL	F1B	200	25 Hz dotter
SRAL	7122,0	0330-1830	11-26	4		UiPTR	F1B	200	25 Hz dotter
SRAL	7143,5	1700-1830	1	4		UiMUX	F7		
SRAL	7144,0	0425	2	4		UiPTR	F1B	500	
SRAL	7148,0	1540	3	4		UiPTR	F1B		
SRAL	7162,0	0630-1430	4,26	4		UiPTR	F1B	250	
SRAL	7188,0	0700-	*	4		UiPTR	F1B	225	37,5 Hz dotter, days 11, 26 & 27

Society	QRG	UTC	DD	MM	ITU	IDENT	MODE	SH	REMARKS
		1200							
SRAL	7196.0	0850	25	4		UiPTR	F1B		

USKA – Switzerland – HB9CET (Peter)

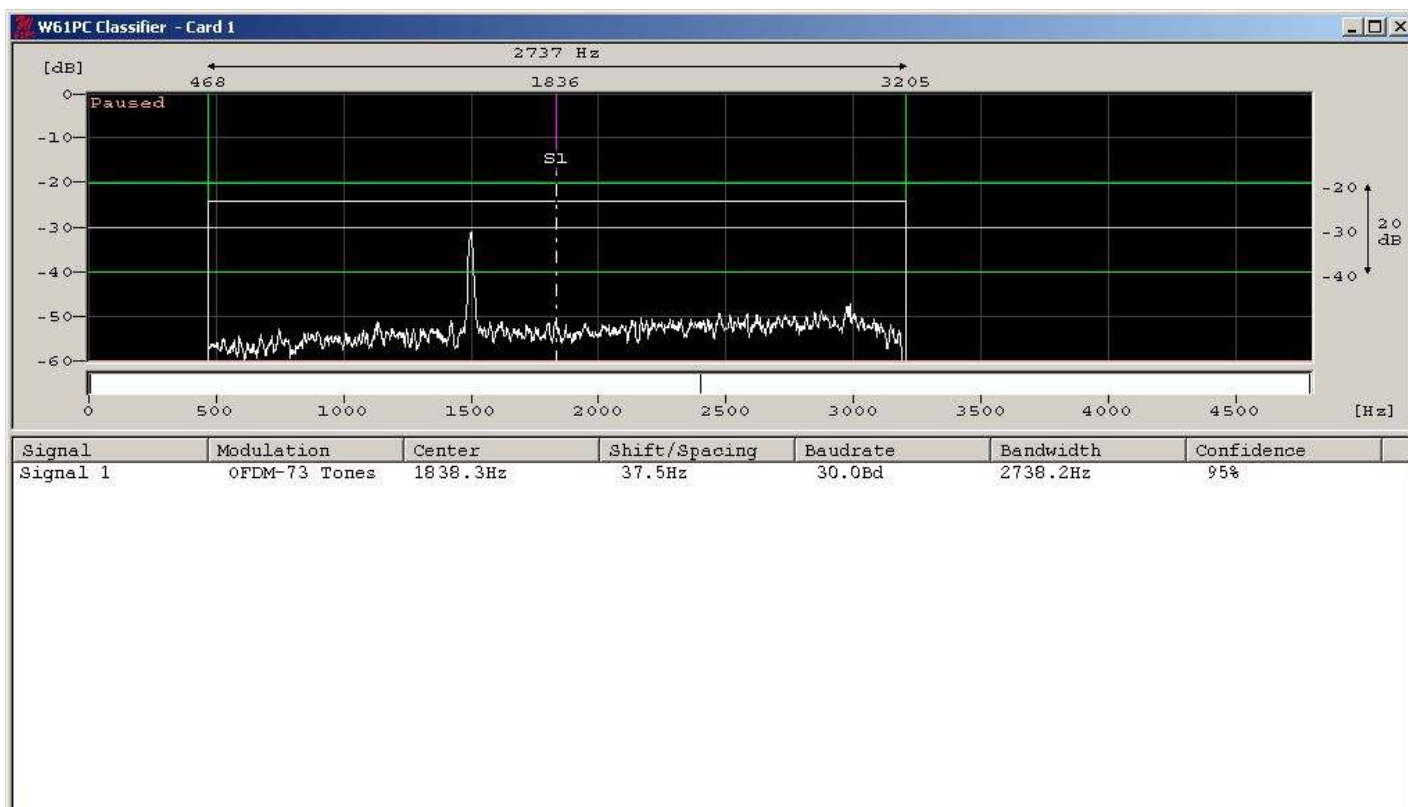
SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
USKA	3667.0	0835	03	04			J3e			Jammer; almost daily interfering swiss Ham's very often
USKA	7016.0	1206	07	04			F1B	75	250	unidnt printer
USKA	7022.0	1426	28.	04			J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	7038.7	1903	03	04	UKR	D	A1A			Beacon D Sevastopol daily
USKA	7038.9	1904	03	04	RUS	S	A1A			Beacon S Murmansk daily
USKA	7039.0	1902	03	04	RUS	C	A1A			Beacon C Moscow daily
USKA	7094.1	1945	03	04			F1B	75	200	unidnt printer
USKA	10145.0	1748	07	04			P0N			OTH Radar 40ms pulses, about 40 kHz spread (10145 up)
USKA	14007.0	0752	02	04			J7D	12X120		MPSK-12: CIS 12 = AT3004D
USKA	14008.0	0901	09	04			F1B	50	250	unidnt printer almost daily
USKA	14028.0	0758	03	04			F1B	75	250	unidnt printer
USKA	14030.0	1119	06	04			J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	14044.3	0921	09	04			F1B	50	250	unidnt printer, distorted signal
USKA	14050.0	0827	02	04			N0N			carriers with 1872Hz space from 14032 to about 14067 kHz
USKA	14092.0	0944	03	04			A1A			letters and figures, together with 14284.0 kHz; same content
USKA	14120.0	0956	07	04			F1B	81	250	CIS-81 very often
USKA	14141.1	1110	02	04			F1B	75	250	unidnt printer
USKA	14162.0	0859	04	04			J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	14186.0	1047	11	04			J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	14201.7	1133	07	04			F1B	75	850	unidnt printer
USKA	14226.0	0832	03	04			J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	14226.1	0920	04	04			F1B	75	250	unidnt printer
USKA	14248.0	1126	07	04			F1B		600	ARQ FSK, unidnt sys daily
USKA	14250.0	1144	07	04			A1A			no sense no intervals between characters
USKA	14253.0	1256	18	04			F1B		250	only idling
USKA	14253.0	1321	18	04			F1B	75	250	unidnt printer, almost daily
USKA	14263.0	1012	02	04			F1B	75	250	unidnt printer
USKA	14263.0	1302	18	04			A1A	60 bpm		letters onyl, "no sense"
USKA	14284.0	0944	03	04			A1A			same content as 14092.0 kHz
USKA	14302.0	0809	03	04			J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	14302.0	0821	04	04			J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	14324.0	0737	02	04			F1B	75	500	unidnt printer
USKA	14330.0	0939	30	04			F1B	81	250	CIS-81
USKA	14349.5	1158	07	04			A1A			no sense (same as 14250) no intervals between characters

Veron – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	3545,0	10.56	9	4	HOL	UiILL	J3E-u		Dutch fishery, male voices
VERON	7008,0	14.39	1	4		UiPtr	F1B		Ptr
VERON	7021,0	15.05	3	4		UiPtr	F1B		Ptr
VERON	7026,0	17.29	2	4	CIS	UiPtr	F1B	250	Revs/Ptr
VERON	7038,7	05.50	**	4	UKR	D	A1A		21.17 utc, beacon Sevastopol, 25 days
VERON	7038,7	14.35	**	4	UKR	D	A1A		18.00 D-beacon, 6 days
VERON	7038,9	05.50	**	4	RUS	C	A1A		21.16 utc, beacon Moscow, 23 days
VERON	7038,9	05.50	**	4	RUS	S	A1A		20.30 utc, beacon Murmansk, 19 days
VERON	7038,9	14.35	**	4	RUS	S	A1A		18.00 S-beacon, 4 days
VERON	7039,0	14.35	**	4	RUS	C	A1A		18.00 C-beacon, 6 days
VERON	7041,0	14.20	23	4	CIS	KRJW	A1A		Proc's/Q+Z-codes

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	7041,0	13.54	25	4	CIS	KRJW	A1A		Calls to: XWR8 K1NM HGXT NT2R STMS
VERON	7041,0	17.16	2	4	CIS	ADIJ	A1A		to IKJI, C4NT, TUB7, proc's
VERON	7041,0	17.21	8	4	CIS	ADIJ	A1A		5BL
VERON	7041,0	17.14	12	4	CIS	7LOL	A1A		to IQIX; 5BL
VERON	7041,0	19.10	13	4	CIS	7LOL	A1A		to OTT1: 5BL= rpt QLN k
VERON	7041,0	16.23	22	4	CIS	KRJW	A1A		16.29 utc, to K1NM, HGXT,NT2R, STMS
VERON	7041,0	17.10	25	4	CIS	KRJW	A1A		to NT2R:calls
VERON	7041,0	17.06	22	4	CIS	KRJW	A1A		to GOTO: 5BL
VERON	7046,0	20.32	1	4		UiCW	A1A		99t 25472 72232
VERON	7046,0	20.34	1	4		UiCW	A1A		99t 25472 73334 49902
VERON	7046,0	20.47	1	4		UiCW	A1A		figure groups of different length
VERON	7046,0	16.17	2	4		UiCW	A1A		series of figures, mostly starting with 99
VERON	7046,0	16.29	2	4		3AWH	A1A		vvv 3AWH WZD 199499725 4 984 212 etc
VERON	7046,0	19.57	3	4		UiCW	A1A		figure groups of different length, 12/13 ltrs
VERON	7046,0	18.53	13	4		UiCW	A1A		figure groups of different length
VERON	7048,0	06.53	10	4	CIS	UiCW	A1A		5F+WZT+ABV
VERON	7048,0	06.41	11	4	RUS	RZTK	A1A		rztk wzd 72266 70655 5F abv 72266 etc
VERON	7048,0	06.51	24	4	RUS	RZTK	A1A		Longstring of "RZTK"Ends: AR
VERON	7054,0	17.50	**	4		UiPtr	F1B		17.56 Revs/Ptr, 2 days
VERON	7054,0	06.04	29	4	RUS	UiPtr	F1B	250	Revs/Ptr
VERON	7056,0	06.03	22	4	CIS	IDKI	A1A		to FSKO,KF2U,AK8U, LJBK,J4LB etc
VERON	7056,0	06.03	22	4	CIS	IDKI	A1A		CJAH, 3UYU,AN3I, VVIK, C5ME, proc
VERON	7056,0	05.38	24	4	CIS	IDKI	A1A		to AK8U: QXS k
VERON	7080,0	17.49	**	4		UiPtr	F1B		17.55 Ptr, 2 days
VERON	7089,0	19.26	11	4	RUS	V.O.R	A3E		Voice of Russia splatter 7105 KHz
VERON	10118,0	15.29	2	4		OHTR	PON		radar, wide 10103-10124 KHz
VERON	14006,0	08.11	17	4		UiPtr	F1B		Ptr
VERON	14008,0	08.56	**	4	CIS	UiPtr	F1B		10.00 Carrier/Revs/Ptr, 4 days
VERON	14028,0	08.11	**	4		UiPtr	F1B		09.55 Ptr, 3 days
VERON	14092,0	08.16	**	4	RUS	RGT77	A1A		10.25 XXX/5BL, 2 days (par: 14284)
VERON	14092,0	08.47	4	4	RUS	1QRF	A1A		XXX 1QRF 60479 WELES 7765 8057
VERON	14092,0	08.57	4	4	RUS	1QRF	A1A		XXX 1QRF 9TIC WRNU 48098 09223 KOL.
VERON	14092,0	09.15	4	4	RUS	B5JO	A1A		XXX B5JO 12001 VALONER 8160 5587
VERON	14092,0	08.16	17	4	RUS	IA6Y	A1A		XXX 68661 26853 BRADLEJIT 2604 5188
VERON	14092,0	08.20	17	4	RUS	W6BY	A1A		XXX W6BY IA6N 21096 85619 ARABIT
VERON	14092,0	10.25	17	4	RUS	RGT77	A1A		036 = 5BL
VERON	14092,0	08.47	29	4	RUS	RGT77	A1A		RGT77 088= (5BL) K
VERON	14104,0	08.12	**	4		UiPtr	F1B		09.07 Revs/Ptr, 3 days
VERON	14120,0	08.14	22	4		UiPtr	F1B		Ptr
VERON	14204,0	08.12	17	4		UiPtr	F1B		Revs/Ptr
VERON	14220,0	09.06	22	4		UiPtr	F1B		Ptr
VERON	14226,0	09.15	4	4	CIS	UiPtr	F1B		Carrier/Revs/Ptr
VERON	14256,0	09.14	6	4	CIS	UiPtr	F1B		Carrier/Revs/Ptr
VERON	14284,0	08.16	**	4	RUS	RGT77	A1A		10.25 XXX/5BL, 2 days (par: 14092)
VERON	18084,0	14.44	1	4		UiPtr	F1B		Idling
VERON	18107,0	08.14	16	4		UiPtr	F1B		Revs/Ptr
VERON	18107,0	09.29	19	4	N.Africa	UiILL	J3E-u		N. African language, male voices (fishery?)

72 tone OFDM system on 10140 kHz – 30 Bd - 1500 Hz intro burst –
The Wavecom W61 Classifier shows 73 tones including the intro burst!
Location South West of Madrid / Spain.



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, Image 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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