



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 German Overview

The monthly newsletter for Region 1

October 2008

The members of the IARUMS Region 1 monitoring team:



Acknowledgements

++ ARI: DH7SA - Salvatore ++ ARSK: 5Z4NU - Ted ++ DARC: DJ9KR - Uli ++ IRTS: EI4GXB - Ger ++
++ MRASZ: HA7PL - Laci ++ OEVS: OE3DMA – Alex ++ RAL: OD5RI – Riri ++
++ REP: CT4AN – Jose and CT1JTQ – Angelo ++ RSGB: G4BOH - Chris ++ SARL: ZS6AKV - Hans ++
++ SRAL: OH2BLU - Pekka ++ URE: EA1AHO – Jose ++ USKA: HB9CET - Peter ++ VERON: PA0GRU - Dick ++
++ G3VZV – Graham (satellite intrusions) ++ TG9AJR – Juan (Co-ordinator Region 2) ++
++ VU2UR - Arasu (Co-ordinator Region 3) ++ DF5UG - Hans (EC-IARU-R1) ++ DF8FE – Martin (Webmaster assistance) ++
++ DL8AAM – Tom (ALE) ++ DK4VW - Ulli (DARC-HF-Department) ++ DJ7KG - Georg (beacons) ++
++ DF5SX- Wolfgang (BC) ++ DARC (server support) ++ various 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. 14005 kHz – SOH and Hainan jammer disappeared

This frequency is clear now, heaven's thank.

2. 14000 kHz – Fishery voice traffic from Sri Lanka – bad as before

Fishery traffic in USB and LSB was daily observed on 14000, 14001.1, 14001.7, 14032.1, 14057.1, 14101 kHz, 18085, 21002.1. 4S7VK (Victor) was informed by DJ9KR.

3. IARUMS Region 1 network growing

Our IARUMS Region 1 network is growing and getting more and more efficient. Many of our national MS Co-ordinators have excellent relations to their national authorities. The last weeks we could see the phantastic results!

4. CT1JTQ – Angelo – REP Vice MS Coordinator

Angelo will assist Jose Francisco in saving our bands. Angelo is welcomed to our increasing family with pleasure.



CT1JTQ, Angelo, in his shack. He has an excellent equipment and many valuable experiences same as Jose Francisco.

5. DH7SA, Salvatore,

is the ARI MS Co-ordinator and now a member of our Monitoring Team. He is also welcomed with pleasure.



DH7SA, Salvatore in his shack.

6. EA1AHO, Jose, new URE MS Co-ordinator

October 2008 has been a very important month for our system, because our system increased to **14 members**. We are also greeting EA1AHO, Jose, as a new member. Jose is very well equipped, which is important for a successful work.



EA1AHO. Jose, in his shack!



The antenna system of EA1AHO is looking and working professional.

- 7. 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 *** MOPO = Ministry of Public Order *** IARUMS = IARU Monitoring System

ARSK MONITORING REPORT FOR OCTOBER, 2008

Propagation on 40 meters was very erratic, and coupled with frequent power cuts of varying lengths it restricted monitoring considerably.

No significant changes were observed. The continued fighting in Somalia and Eastern DRC seems not to affect the intruders very much.

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	10	ETH?	UiPHONE	J3E	Amharic. Spreads into 40 m. band.
ARSK	6999.0	vt	dly	10	KEN? UGA? TZA?	08, 15, 16, 20, 23, 24, 25, 26, 27, 32, 35, 38, 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	20	10	ZAI	UiPHONE	J3E	Vernacular.
ARSK	7000.0	vt	*	10	SOM	Boccaro, Bossasso	J3E	Somalis. *25,
ARSK	7007.0	0522	16	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7008.0	vt	dly	10	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	1003	31	10	ZAI	UiPHONE	J3Eu	KiSwahili.
ARSK	7011.0	vt	dly	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7012.0	vt	dly	10	SOM	Kismayu, Afmadu, Dobleh, Baidoa?	J3Eu	Somalis, SelCal. Some KiSwahili.
ARSK	7020.0	0520	16	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7022.0	0600	25	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7025.0	vt	*	10	SOM	UiPHONE	J3Eu	Somalis.Phonepatching. *23,
ARSK	7026.0	var.	*	10	SOM	UiPHONE	J3Eu	Somalis.*9,22,
ARSK	7026.0	0530	25	10	SDN	Twiga, Tembo, K1, K2, K3, KS, MM, FK, BK, India 1, T1,	J3Eu	NGO, medical, English, message traffic,some encrypted. SelCal.
ARSK	7027.0	1308	23	10	ZAI	UiPHONE	J3Eu	French, vernacular. Selcal.
ARSK	7028.0	0556	22	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7030.0	1001	31	10	SOM	UiPHONE	J3E	Somalis.
ARSK	7031.0	vt	*	10	SOM	Baidoa	J3Eu	Somalis. *16,
ARSK	7035.0	vt	*	10	SDN	UiPHONE	J3E	Vernacular. *5,23,
ARSK	7045.0	vt	dly	10	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. Once heard sendig five letter code groups, presumablyan encrypted mssage.
ARSK	7048.0	vt	dly	10	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.

H'd by	kHz	UTC	DD	MM	ITU	Identity	MODE	Details
ARSK	7054.0	1306	23	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7062.0	0520	9	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7066.0	vt	dly	10	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	vt	*	10	ZAI	UiPHONE	J3E	French, KiSwahili, vernacular. *23,31.
ARSK	7070.0	vt	dly	10	SOM ERI	Asmara, Afmadu, Dobleh, Baidoa, Merere, Garoe, Burhane, Mogadishu, Kismayu, Beletwein	J3Eu	Somalis. SelCal.
ARSK	7075.0	0555	22	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7080.0	1000	31	10	ZAI	UiPHONE	J3Eu	French, vernacular.
ARSK	7099.0	1000	31	10	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7100.0	vt	dly	10	ERI	VOBM	A3E	Voice of the Broad Masses, Eritrea, broadcast.
ARSK	14100.0	0340	24	10	IND,? PAK?	UiPHONE	J3Eu	Man caling "Hallo, Hallo." Indian language?

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

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
DARC	1812,0	vt	vd	10	J3E-U	HOL	UiILL	Dutch fishery, engine noise, heard 01 02 at 1820, 1952
DARC	1850,0	2105	02	10	J3E-U	E	UiILL	Spanish fishery
DARC	3500,0	1525	05	10	J3E-U	E	UiILL	Spanish fishery, also using VOCODER CRY-2001 for scrambling the traffic
DARC	3500,0	1448	06	10	J3E-U	G	UiILL	British fishery
DARC	3500,0	0705	25	10	J3E-U	E	UiILL	Spanish fishery
DARC	3509,0	0083 4	18	10	J3E-U	F	UiILL	French fishery
DARC	3510,0	0730	09	10	J3E-U	E	UiILL	Spanish fishery, also using VOCODER CRY-2001 for scrambling the traffic
DARC	3510,0	1905	11	10	J3E-U	E	UiILL	Spanish fishery
DARC	3515,0	1627	02	10	J3E-U	E	UiILL	Spanish fishery
DARC	3520,0	0801	04	10	J3E-U	E	UiILL	Spanish fishery
DARC	3520,0	1605	13	10	J3E-U	E	UiILL	Spanish fishery, also using VOCODER CRY-2001 for scrambling the traffic
DARC	3520,0	0720	22	10	J3E-U	F	UiILL	French pirates
DARC	3520,0	0738	24	10	J3E-U	E	UiILL	Spanish fishery, also using VOCODER CRY-2001 for scrambling the traffic
DARC	3520,0	vt	vd	10	J3E-U	E	UiILL	Spanish fishery, engine noise, heard 05 08 at 2019, 1740
DARC	3525,0	1556	14	10	J3E-U	G	UiILL	British fishery
DARC	3535,0	0721	22	10	J3E-U		UiILL	French pirates
DARC	3535,0	1730	22	10	J3E-U	E	UiILL	Spanish fishery
DARC	3536,0	1937	14	10	J3E-U	E	UiILL	Spanish fishery
DARC	3550,0	0700	dly	10	A3E	F	French Lis Amateurs	heard in AM, not regarding the IARU Region 1 bandplans
DARC	3550,0	1657	23	10	J3E-U	F	UiILL	French fishery
DARC	3555,0	2045	19	10	J3E-U	E	UiILL	Spanish fishery
DARC	3555,5	2250	26	10	J3E-U	F	UiILL	French fishery
DARC	3560,0	2032	13	10	J3E-U	E	UiILL	OP Carlos, Spanish fishery
DARC	3560,0	1827	25	10	J3E-U	RUS	UiILL	male person in Russian voice, no ham
DARC	3574,0	1342	14	10	J3E-U	E	UiILL	Spanish fishery, also using VOCODER CRY-2001 for scrambling the traffic
DARC	3590,0	2259	26	10	J3E-U	UKR	UiILL	Ukranian MIL net
DARC	3600,0	1943	14	10	A3E	F	French Lis Amateurs	using A3E
DARC	3600,0	1944	21	10	J3E-U	G	UiILL	British fishery, USB used
DARC	3600,0	vt	vd	10	A3E	F	French Lis	using A3E, heard 07 at 1330, 1610

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS	
							Amateurs		
DARC	7000,0	1702	03	10	J3E-L	INS	UiILL	male persons singing and chatting	
DARC	7000,0	0859	05	10	J3E-L	I	UiILL	large net of Italian male persons	
DARC	7000,0	1539	12	10	J3E-U	G	UiILL	British fishery	
DARC	7000,0	vt	vd	10	J3E-U	E	UiILL	Spanish fishery heard 20 21 at 1823, 1846	
DARC	10101,0	1432	01	10	J3E-U	E	UiILL	Spanish fishery	
DARC	10101,0	1659	04	10	J3E-U	E	UiILL	Spanish fishery	
DARC	10123,0	1428	16	10	J3E-U	N.Eu	UiILL	pirates in Scandinavian language	
DARC	10127,5	vt	vd	10	J3E-U	E	UiILL	Spanish fishery, heard 01 02 06 at 1554, 1349, 1700	
DARC	10130,0	vt	vd	10	J3E-U	E	UiILL	Spanish fishery, heard 01 02 at 2035, 1957	
DARC	10147,0	1430	17	10	J3E-L	INS	UiILL	Indonesian pirates, using LSB	
DARC	10150,0	2135	16	10	J3E-U	E	UiILL	Spanish fishery	
DARC	10150,0	0608	23	10	J3E-U	RUS / UKR	UiILL	voice traffic in Russian voice, no hams	
DARC	14000,0	1856	12	10	A3E	ISR	YHF2	female voice spelling "Yankee Hotel Foxtrot Two"	
DARC	14000,0	0600	17	10	A3E	ISR	ART2	female voice spelling "Alfa Romeo Tango Two"	
DARC	14001,0	1036	22	10	J3E-U	CLN	UiILL	fishery from Sri Lanka	
DARC	14021,0	0755	10	10	J3E-U	E	UiILL	Spanish fishery	
DARC	14032,0	1300	04	10	J3E-L	CLN	UiILL	fishery from Sri Lanka, LSB used	
DARC	14032,0	1944	10	10	J3E-U	E	UiILL	Spanish fishery, engine noise	
DARC	14037,0	1013	10	10	J3E-U	I	UiILL	Italian pirate, no calls used	
DARC	18085,0	1250	07	10	J3E-U	CLN	UiILL	Sri Lankan fishery	
DARC	21000,0	0711	18	10	J3E-U	F.Ea	UiILL	pirates	
DARC	21001,5	0950	07	10	J3E-U	RUS	UiILL	vocoder YAKHTA	
DARC	21002,1	vt	vd	10	J3E-U	CLN	UiILL	Sri Lankan fishery, heard 07 08 at 1048, 0828	

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

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	1810,0	1752	08	10	A3E	POL	The Pip			the Polish "Pip" – 10 tones North Poland
DARC	3500,0	1725	17	10	FSK8	TUR	UiMUX	125	1750	ALE, selcalls 2015, 2008, 2016 - is Turkish Red Crescent
DARC	3510,0	1948	04	10	J7D	GEO	UiMUX	120		MPSK-12, AT-3004-D, location Rep. Of Georgia
DARC	3512,0	1941	07	10	F1B	RUS	UiPTR	81	250	unid printer
DARC	3515,0	1651	06	10	G7B		UiMUX			frequency hopper
DARC	3516,0	2221	23	10	FSK8	ALG	UiMUX	125	1750	ALE, selcalls FS33, ZT30 - is ALG MIL
DARC	3517,8	2132	06	10	G7D		UiMUX			Stanag-4285, 2k4, 8PSK
DARC	3518,8	2124	24	10	G7D		UiMUX			Link-11, SLEW
DARC	3520,0	1746	08	10	G7B		UiMUX			frequency hopper
DARC	3522,0	vt	vd	10	F1B	I	UiPTR	300	850	system Clansman, location nr. Milano - heard 04 21 at 1259, 1840
DARC	3530,2	0732	14	10	J7D	HOL	UiMUX			Link-11
DARC	3533,8	vt	vd	10	J7D	Atl.O c.	UiMUX			Link-11, 14 x 75 Bd, QPSK, location Atlantic Ocean south of Brest, France
DARC	3535,2	1619	13	10	J7D	UKR	UiMUX	120		MPSK-12, AT-3004-D, location Sevastopol
DARC	3536,0	1730	05	10	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, location Kaliningrad
DARC	3546,0	vt	vd	10	J7D	BLR	UiMUX			MPSK-12, AT-3004-D, location Minsk

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	3548,0	2009	24	10	G7B		UiMUX			frequency hopper
DARC	3548,0	1903	25	10	F1B	BLR	UiPTR	50	200	unid printer, location North East of Minsk
DARC	3548,0	vt	vd	10	F1B	LTH	UiPTR	50	200	unid printer heard 01, 16 28 at 1732, 1829, 1932, location south of Lithuania
DARC	3550,0	0713	02	10	A3E	F	French Lis Amateurs			no BC, but French lis Amateurs - not respecting IARU Band Plan
DARC	3550,0	2010	24	10	J7D	UKR	UiMUX	120		MPSK-12, AT-3004-D, located Sevastopol
DARC	3552,0	1700	07	10	F1B	RUS	UiPTR	50	250	unid printer, location East of Russia
DARC	3553,8	1740	01	10	G7D	TUR	UiMUX			Stanag-4285, 2k4, 8PSK, 600 bps long, daily
DARC	3560,1	1916	06	10	A3E	KOR	Voice of Korea (North)			is active daily
DARC	3570,0	2008	23	10	J7D	RUS	UiMUX			MPSK-12, AT-3004-D, location Moscow
DARC	3572,0	1538	08	10	PSK	HOL	UiMUX	100	100	BC-PSK 100 Bd, 100 Hz, is radio navigation
DARC	3576,0	1948	02	10	F1B	BLR	UiPTR	75	200	unid printer, location north of Minsk
DARC	3584,0	1543	15	10	G7B		UiMUX			frequency hopper
DARC	3586,5	1930	04	10	J7D	F	UiMUX	2k		RFSM-2000, 2000 Bd, 8PSK - is French MIL, daily
DARC	3588,0	1927	14	10	J7D	BLR	UiMUX	120		MPSK-12, AT-3004-D, location North of Minsk
DARC	3589,0	1949	29	10	G7B		UiMUX			frequency hopper
DARC	3599,8	2059	09	10	F1B	BLR	UiPTR	96	1000	CIS-14, location North of Minsk
DARC	3656,7	vt	vd	10	G7D	G	UiMUX	2k4		Stanag-4285, 2k4, 8PSK, 600 bps-long - is ship - heard 07 - 14 at 1830, 1755, 1920 - locaton Aberdeen, Scotland
DARC	3661,7	vt	vd	10	F1B	G	UiPTR	75	850	Stanag-4481, location Manchester
DARC	3713,8	1831	21	10	J7D	SVK	UiMUX			Link-11, Slovakia
DARC	3725,0	vt	vd	10	F1B	POL	UiPTR	43	500	idling, heard 21 29 at 1828, 1950 - location South of Warsaw
DARC	3740,0	1838	07	10	J7D	RUS	UiMUX			MPSK-12, AT-3004-D
DARC	3752,0	1814	04	10	P0N	POL	Ui Radar			radar like noise, location north of Warsaw, daily
DARC	3752,2	1940	08	10	F1B	GRC	UiPTR	100	850	Stanag-4481, location Athens
DARC	3756,0	1745	01	09	A3E	UKR	The Pip			10 tones, permanent
DARC	3756,0	2053	01	10	A3E	UKR	The Pip			channel marker, ady, dly
DARC	3780,0	1909	09	10	F1B	BLR	UiPTR	100	500	unid printer, location North of Minsk
DARC	3782,0	2114	02	10	F1B	POR	CTP	75	850	printer, is POR Navy HQ Lisbon
DARC	5195,0	1330	18	10	F1B	F	UiPTR	192	385	printer location West of Paris, interfering with "DRA5" on 5195 kHz
DARC	7000,0	1541	01	10	FSK8	LB Y	UiMUX	125	1750	ALE, selcalls NALUT, DARAG, Lybia, daily
DARC	7000,0	1710	01	10	FSK8		UiMUX	125	1750	ALE, selcall 2211, unid, daily
DARC	7000,0	1730	01	10	A3E	BLR	Radio Belarus			IM from Radio Belarus from 7105
DARC	7000,0	1920	06	10	G7B		UiMUX			frequency hopper

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	7000,0	1249	09	10	FSK8	I	UiMUX	125	1750	ALE, selcalls DIAL4, 2004, is Italian Carabinieri Rome
DARC	7000,0	1911	10	10	A3E	BLR	Radio Belarus			IM from Radio Belarus from 7105
DARC	7000,0	1623	15	10	J7D	RUS	UiMUX	120		MPSK-12, AT-3004-D, location Samara
DARC	7005,5	1551	12	10	F1B	UKR	UiPTR	81	250	unid printer, location Odessa
DARC	7007,0	1450	19	10	J7D	S	UiMUX			MPSK-12, AT-3004-D, location area of Stockholm
DARC	7009,0	2052	02	10	A3E		UiBC			IM
DARC	7009,0	2037	06	10	A3E		UiBC			Russian px
DARC	7010,0	0903	21	10	J7D	RUS	UiMUX	120		MPSK-12, AT-3004-D, location East of Moscow
DARC	7010,5	0510	18	10	F1B		UiPTR			unid printer
DARC	7016,0	1016	15	10	F1B	RUS	UiPTR	81	250	unid printer, area of Moscow
DARC	7018,0	1636	19	10	F1B	RUS	UiPTR	75	200	unid printer
DARC	7018,1	0745	01	10	F1B	BLR	UiPTR	81	500	unid printer
DARC	7037,5	1235	15	10	F1B		UiPTR			unid printer
DARC	7038,7	1508	01	10	A1A	UKR	beacon D			located Sevastopol
DARC	7038,8	2030	18	10	A1A	RUS	beacon P			located Kaliningrad
DARC	7038,9	0631	01	10	A1A	RUS	beacon S			located Murmansk, daily
DARC	7039,0	1826	04	08	A1A	RUS	beacon C			located Moscow
DARC	7054,0	vt	vd	09	F1B	RUS	Nishniy Novgorod	50	250	very active and harmful station, located Nishniy Novgorod, heard 01 - 16 at 1900 - 2130
DARC	7080,0	0628	06	10	F1B	RUS	UiPTR	50	500	unid printer, location Samara
DARC	7090,0	1730	01	10	A3E	BLR	Radio Belarus			IM from Radio Belarus from 7105
DARC	7100,0	vt	08	08	A3E	KOR	Radio Korea (North)			French px (1831); typical mx (1931)
DARC	7100,0	vt	vd	08	A3E	ERI	Voice of the Broad Masses			Af tribal music daily 1549 - 1729
DARC	7105,0	1508	01	09	JAM	CHN	Hainan Firedrake Jammer			is active
DARC	7105,0	1444	08	10	JAM	CHN	Hainan Firedrake Jammer			is active very strong
DARC	7115,0	1947	29	10	F1B	RUS	UiPTR	50	1000	unid printer
DARC	7117,0	vt	vd	10	F1B	RUS	UiPTR	50	1000	unid printer located Kazan, heard 03 19 at 1332, 1321
DARC	7117,5	1444	08	10	F1B		UiPTR			reversals
DARC	7119,0	1458	28	10	F1B	RUS	UiPTR	81	250	unid printer
DARC	7122,0	vt	vd	10	F1B	S	UiPTR	50	200	unid printer, location NW of Stockholm
DARC	7130,0	1508	01	09	JAM	CHN	Hainan Firedrake Jammer			is active every day
DARC	7149,0	1017	15	10	F1B	RUS	UiPTR	41	250	unid printer, system "FROST-1", location Kaliningrad
DARC	7154,0	0749	27	10	G7B		UiMUX			frequency hopper
DARC	7155,0	0824	28	10	JAM		UiJAM			BC-jammer, carrier with 100 Hz spectral lines
DARC	7160,0	1321	20	10	FSK8	GEO	UiMUX	125	1750	ALE, selcalls F1L, FTT, SG!, MDK - Georgian Republic
DARC	7162,0	1333	03	10	F1B	RUS	UiPTR	75	250	unid printer, located Kazan
DARC	7164,0	0828	28	10	JAM		UiJAM			BC-jammer, carrier with

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
										100 Hz spectral lines
DARC	7176,0	1336	02	10	F1B	RUS	UiPTR	75	250	unid printer, location north of Moscow
DARC	7185,0	1701	05	10	JAM	CHN	Hainan Firedrake Jammer			is active
DARC	7196,0	0853	29	10	F1B	RUS	UiPTR	50	200	unid printer
DARC	10105,0	vt	vd	10	G7B		UiMUX			frequency hopper heard 18 25 at 2118, 1739
DARC	10112,0	0854	01	10	G7D	TUR	UiMUX			Stanag-4285, 2k4, 8PSK, 600 bps long, daily
DARC	10113,0	0710	07	10	FSK8	TUN	UiMUX	125	1750	ALE, selcalls TU1, RDN154 - Tunisian MOI, daily
DARC	10114,7	vt	vd	10	F1B	RUS	UiPTR	96	1000	unid printer heard 07 08 09 10 at 0646 - location Moscow
DARC	10114,8	0602	02	10	F1B	RUS	UiPTR	96	1000	unid printer, system CIS-14, location Moscow
DARC	10116,0	1630	19	10	F1B	RUS	UiPTR	50	250	unid printer
DARC	10125,0	1900	04	10	P0N	G / CYP	British OTH-Radar			is active, S 9 + 40 dB
DARC	10127,0	0924	07	10	F1B		UiPTR	75	500	unid printer
DARC	10127,0	1000	24	10	G7B		UiMUX			frequency hopper
DARC	10128,0	vt	vd	10	F1B	RUS	UiPTR	50	250	unid printer, heard 05 16 at 1456, 1439, - location Samara
DARC	10130,0	2052	01	10	FSK8		UiMUX			FSK8, 8 x 125 Bd, Thales Skymaster
DARC	10130,0	2053	01	10	A3E		UiBC			unid BC, IM
DARC	10130,0	1704	04	10	A3E		UiBC			IM
DARC	10133,0	1005	03	10	A1A		UiCW			5F
DARC	10136,0	1400	01	10	F1B	RUS	UiPTR	36	200	unid printer, system CIS-36-50, location Kaliningrad
DARC	10140,0	1648	02	10	A3E	ROU	Radio Romania Intl.			program in French language 1600 - 1700
DARC	10140,0	1645	03	10	A3E	ROU	Radio Romania Intl.			weak music audible
DARC	10140,0	1601	05	10	A3E		UiBC			IM
DARC	10140,0	2002	08	10	P0N	G / CYP	British OTH-Radar			is active, 50-Hz system
DARC	10148,6	0909	16	10	F1B	MRC	UiPTR	250	200	system SIEMENS-CHP200
DARC	13999,7	1500	15	10	N0N		UiCAR			long lasting carrier
DARC	14000,0	1417	02	10	G7B		UiMUX			frequency hopper
DARC	14000,0	0700	27	10	A3E		UiBC			unid BC, IM
DARC	14000,0	0900	29	10	N0N	M.Ea	UiCAR			carrier
DARC	14002,0	1329	27	10	FSK8	CHN	UiMUX	125	1750	ALE, selcalls 183, 642 - is PRC-net from China
DARC	14003,0	vt	vd	10	F1B	RUS	UiPTR	75	250	unid printer, location Moscow
DARC	14005,0	vt	04	10	JAM	CHN	Hainan Firedrake Jammer			is active 1504 - 1556
DARC	14005,0	vt	04	10	A3E	TWN	Sound of Hope			is active 1504 - 1556
DARC	14005,0	0749	27	10	J7D	RUS	UiMUX	120		MPSK-12, AT-3004-D, location Moscow
DARC	14006,0	0916	13	10	J7D	BLR	UiMUX			MPSK-12, AT-3004-D, location North of Minsk
DARC	14006,0	1430	28	10	F1B	RUS	UiPTR	75	250	unid printer
DARC	14006,0	vt	vd	10	F1B	NOR	UiPTR	75	250	unid printer, located North Cape, heard 02 12 at 0603,

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
										1349, 1116 - is it a ship?
DARC	14008,0	vt	vd	10	F1B	RUS	UiPTR	50	500	unid printer, located west Russia, heard 01 21 at 0752, 0654, 1040
DARC	14040,0	1657	06	10	A3E		UiBC			Ar px
DARC	14045,0	0940	06	10	G7B		UiMUX			frequency hopper
DARC	14046,7	vt	vd	10	F1B	EGY	MFA Cairo	100	170	Sitor A/B - heard 07 - 28 (= 19 reports) at 1320 - 1610
DARC	14052,0	vt	vd	10	J7D	RUS	UiMUX	120		MPSK-12, AT-3004-D, location Novosibirsk
DARC	14070,0	2020	01	10	G7B		UiMUX			frequency hopper
DARC	14071,0	1019	06	10	G7B		UiMUX			frequency hopper
DARC	14117,0	vt	vd	10	F1B	RUS	UiPTR	50	200	unid printer heard 28 29 at 1437, 0858
DARC	14118,0	0831	28	10	F1B	RUS	UiPTR	50	200	unid printer
DARC	14120,0	0832	28	10	F1B	RUS	UiPTR	81	250	unid printer
DARC	14122,0	075	24	10	J7D	BLR	UiMUX			MPSK-12, AT-304-D
DARC	14122,0	vt	vd	10	J7D	RUS	UiMUX	120		MPSK-12, AT-3004-D, heard 16 20 at 0747, 0818 - location Ural mountain
DARC	14125,0	1800	06	10	A3E		UiBC			S2 signal
DARC	14173,0	vt	vd	10	F1B	RUS	UiPTR	50	200	unid printer heard 24 - 27 at 0700 - 0800, daily, location East Russia
DARC	14180,0	vt	vd	10	F1B	UKR	Sevastopol	50	200	printer heard 01 - 12, 0604 - 0751
DARC	14180,0	vt	vd	10	F1B	UKR	UiPTR	36 / 50	200	unid printer, system CIS-36-50, daily
DARC	14192,0	0615	23	10	F1B	RUS	UiPTR	50	200	Russian Navy Kaliningrad
DARC	14210,0	0720	16	10	A3E		UiBC			harmonic of 7105, S9
DARC	14240,0	1020	29	10	F1B	RUS	UiPTR	75	250	unid printer
DARC	14250,4	0606	02	10	F1B	LBY	UiPTR	600	600	DPRK-FSK-600, location Tripolis
DARC	14256,0	1015	10	10	A3E		UiBC			IM, distorted modulation
DARC	14340,0	0733	12	10	A1A		UiCW			encrypted figure groups
DARC	18068,0	1536	18	10	G7B		UiMUX			frequency hopper
DARC	18070,0	1155	26	10	G7B		UiMUX			frequency hopper
DARC	18075,0	0834	24	10	P0N	G / CYP	British OTH-Radar			is active, 50-Hz system
DARC	18107,0	vt	vd	10	F1B	RUS	RDL Russian Navy Moscow	50	250	printer heard 03 - 21 at 0730 - 1348
DARC	18130,0	1045	17	10	P0N	G / CYP	British OTH-Radar			is active S 9 + 20 dB, 20 kHz spread
DARC	18180,0	0917	06	10	JAM	CHN	Hainan Firedrake Jammer			just infor
DARC	21000,0	vt	vd	10	G7B		UiMUX			frequency hopper, heard 18 25 at 0725, 0730
DARC	21001,5	vt	vd	10	F1B	RUS	UiPTR	100	140	unid printer, location East of Russia
DARC	21030,0	0907	05	10	P0N	G / CYP	British OTH-Radar			is active, 25 Hz-system
DARC	21070,0	1009	24	10	G7B		UiMUX			frequency hopper
DARC	21370,0	0730	18	10	G7B		UiMUX			frequency hopper
DARC	21445,0	1054	26	10	G7B		UiMUX			frequency hopper
DARC	29684,7	vt	vd	10	G7B	I	UiMUX			serial modem, Italian MIL located Brescia, permanent, heard 04 18 at 1435, 1545
DARC	29699,7	vt	vd	10	G7B	I	UiMUX			serial modem, Italian MIL located Brescia, permanent, heard 04 18 at 1435, 1545

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	7...	1515	01	10	JAM	CHN	Hainan Firedrake Jammer			is also active at the same time on 7270, 9370, 9450, 9695, 9670, 9680, 9905, 11540, 11550, 11585, 11665, 12005, 12025, 15495

IRTS – Ireland – EI4GXB (Ger)

MRASZ – Hungary - HA7PL (Laci)

OEVSV – Austria – OE3DMA (Alex)

REP – Portugal – CT4AN (Jose Francisco)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	DETAILS
REP	3503.0	18.00	06	10			J3E-L	SMB calling AMN
REP	3503.0	18.00	07				J3E-L	„
REP	3503.0	18.00	08				J3E-L	“
REP	3503.0	18.00	09				J3E-L	„, Jammed by FSK
REP	3503.0	18.00	10				J3E-L	Coded CODAN rev. audio
REP	3503.0	18.00	11				J3E-L	„
REP	3503.0	18.00	12				J3E-L	“
REP	3503.5	18.16	10				J3E-L	Scrambled voices (RECORDED)
REP	3532.5	21.00	14				Pulse	Radar ?
REP	3545.0	07.22	15				J3E-L	Port. Lang. OM's ?
REP	3550.0	05.57	13		F		A3E AM	French amateurs infringe IARU R1 80m Band Plan DLY
REP	3550.0	06.10	19		„		A3E AM	“ 158uV S9+10 (RECORDED)
REP	3550.0	07.05	19		„		A3E AM	„ 158uV S9+10 (RECORDED)
REP	3550.0	07.45	19		„		A3E AM	“ 50uV S9 (RECORDED)
REP	3550.0	04.50	24		„		A3E AM	„ 6.3uV S6
REP	3550.0	07.28	31		„		A3E AM	“ 0.78uV S3
REP	3625.0	08.45	28				J3E-L	Arabic. Fishermen ? 1.6uV S4
REP	3625.0	18 - 20	24				J3E-U	Arabic. PTP net ?
REP	3625.0	„	DLY				J3E-U	Arabic and some french words
REP	3625.0	„	29				J3E-U	„, master + 3 in the net
REP	7000.0	01.34	27				J3E-L	OLA, OLA spanish 0.2uV S1
REP	7000.0	01.45	27				A3E AM	Music, YL speaker, OM's talking 6.3uV S6
REP	7000.0	07.24	31				J3E-L	Fishers, Arabic lang. 0.2uV S1
REP	7000.2	03.35	16				J3E-U	Arabic / spanish lang. 0.39uV S2
REP	7000.7	17.50	14				J3E-U	Fishers Magreb lang. jammed
REP	7001.0	18.00	18				J3E-U	Fishers Spanish lang.
REP	7001.0	17.45	21				J3E-U	“
REP	7001.0	17.50	23				J3E-U	„, + Huelva Harbour
REP	7001.0	15.58	16				J3E-L	ADY, DLY Arabic language 0.35uV S2
REP	7001.0	07.50	28				J3E-U	Arabic lang. Magreb ? 0.35uV S2
REP	7001.0	23.10	16				J3E-L	Magreb talk. YL + OM's 0.2uV S1
REP	7001.0	23.38	26				J3E-L	OLA, OLA, OLA. OM + YL spanish talking. 0.35uV S2

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	DETAILS	
REP	7001.0	07.59	31				J3E-U	Spanish fishermen eval. near Peniche coast, PO. 5KuV S9+40 (RECORDED)	
REP	7002.0	09.27	31				J3E-L	1, 2, 3 testing 1, 2, 3... 1.6uV S4	
REP	7003.0	23.45	7				J3E-U	Spanish lang. + 2 tone roger-bip (RECORDED)	
REP	7038.7	03.27	14		UKR	D	A1A	SEVASTOPOL. ADY, DLY 158uV S9+10	
REP	7039.0	03.29	14		RUS	C	A1A	MOSCOW. ADY, DLY 158uV S9+10	
REP	7045.5	08.13	28				J3E-L	Magreb fishermen 0.78uV S3	
REP	7048.0	08.20	28				J3E-U	NO ID talk in German lang. 1.6uV S4	
REP	7050.0	06.00	13				A3E AM	BC in Arabic language	

RSGB - Great Britain – G4BOH (Chris)

SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS
SRAL	7009,0	0530-1500	*	10		UiMUX	F7			Days 7, 17, 19, 26 & 30. 40 Hz pulses
SRAL	7016,0	0530-1500	*	10		UiPTR	F1B		250	Days 15, 18 & 25
SRAL	7018,0	0500-1030	15, 20	10		UiPTR	F1/N0		200	
SRAL	7020,0	0730-0900	24, 31	10		UiPTR	F1B		250	
SRAL	7022,0	1030-1415	7	10		UiMUX	F7			
SRAL	7030,0	0700-1330	*	10		UiPTR	F1B		250	Days 2, 15, 18 & 31
SRAL	7038,0	1705-1835	1, 9	10	RUS	RGT77	A1A			MR 5BL – Russian Airforce
SRAL	7038,7	h24	dly	10	UKR	D	A1A			Sevastopol
SRAL	7038,8	h24	dly	10	RUS	P	A1A			Kaliningrad, see below 7039,7
SRAL	7038,9	h24	dly	10	RUS	S	A1A			Severomorsk/Murmansk
SRAL	7039,0	h24	dly	10	RUS	C	A1A			Moscow
SRAL	7039,7	1000-1800	9	10	RUS	P	A1A			Kaliningrad. mistuned
SRAL	7043,0	0800-1030	16	10		UiMUX	F7			
SRAL	7054,0	0430-2000	1- 20	10	RUS	UiPTR	F1B		200	25 Hz dotter.
SRAL	7054,0	0500-0700	28-30	10	RUS	UiPTR	F1B		200	25 Hz dotter.
SRAL	7076,0	0500-0600	18	10	RUS	REA4	F1B		250	
SRAL	7078,0	1030-1430	7	10		UiMUX	F7			
SRAL	7086,0	0800-0830	24	10		UiMUX	F7			Occ. MR 'QRJ 3 k*
SRAL	7100,0	1755-2100	dly	10	KRE	Voice of Korea	A3E			
SRAL	7105,0	1300-1530	1-25	10	CHN	JAM	A3E			"Firedrake" also on 7130 & 7185 kHz 1300-1730
SRAL	7117,0	1300-1700	dly	10	RUS	REA4	F1B/A		1000	25 Hz dotter, MR
SRAL	7122,0	0430-1530	dly	10	RUS	RDL	F1B/A		200	25 Hz dotter, MR 5F
SRAL	7149,0	0930-1030	15	10		UiPTR	F1B		500	

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS
SRAL	7162,0	0700-1600	*	10		UiPTR	F1B		250	Days 3, 5, 11, 13, 15, 18, 30 & 31. MR Z-code
SRAL	7176,0	0930-1430	2, 31	10		UiPTR	F1B		250	
SRAL	7196,0	0800-1000	15, 29	10		UiPTR	F1B		200	
SRAL	14000,0	0705-1000	17	10		UiCarr	N0N			
SRAL	14003,0	0750-0930	11, 27	10		UiPTR	F1B		250	Samara (?)
SRAL	14005,0	0830-1300	13	10		UiMUX	F7			
SRAL	14006,0	0820-1000	30	10		UiPTR	F1B		250	
SRAL	14052,0	0700-1100	17	10		UiMUX	F7			
SRAL	14120,0	0905	29	10		UiPTR	F1B		250	
SRAL	14180,0	0700-1330	*	10		UiPTR	F1B			Days 13, 17, 18 & 25
SRAL	14210,0	0730-0900	7	10	ALB	R Tirana	A3E			BC 2f
SRAL	14240,0	0830-1000	13	10		UiPTR	F1B			
SRAL	14360,0	0710	15	10	CYP/G	UiOTH R	P0			40 kHz wide
SRAL	18070,0	0650-0700	10	10	CYP/G	UiOTH R	P0			40 kHz wide
SRAL	18090,0	0905-0915	31	10	CYP/G	UiOTH R	P0			40 kHz wide, 50 Hz pulses
SRAL	18107,0	0700-1205	*	10	RUS	RDL	F1B		200	Days 7, 12, 13, 15, 17, 18 & 25
SRAL	21001,5	0900-1030	15, 26	10		UiPTR	F1B		150	
SRAL	21025,0	1010	5	10	CYP/G	UiOTH R	P0			40 kHz wide

URE – Spain - EA1AHO (Jose)

USKA – Switzerland – HB9CET (Peter)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
USKA	7000.0	1957	01	10			J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	7000.0	2108	02	10		221	FSK8	8x125	1750	ALE, MIL 188-141A This was 221
USKA	7000.0	2114	02	10			J3E u			Unident language, long conversation
USKA	7001.0	1317	29	10			A1A			endless dots over hours
USKA	7010.0	1921	09	10		CS002	FSK8	8x125	1750	ALE, MIL 188-141A vt daily To: RS0 This is: CS002
USKA	7016.0	1556	06	10			F1B	75	250	unident printer vt
USKA	7022.0	2158	07	10			J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	7026.0	0532	24	10			FSK8	8x125	1750	ALE, MIL 188-141A To: FIG
USKA	7026.0	1411	24	10			FSK8	8x125	1750	ALE, MIL 188-141A To: REN
USKA	7030.0	1252	03	10			F1B		250	
USKA	7032.0	1813	09	10			J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	7038.7	1535	01	10	UKR	D	A1A			Beacon D Sevastopol daily
USKA	7038.8	1213	22	10	RUS	P	A1A			Beacon P Kaliningrad daily
USKA	7038.9	1536	01	10	RUS	S	A1A			Beacon S Murmansk daily
USKA	7039.0	1537	01	10	RUS	C	A1A			Beacon C Moscow daily
USKA	7044.0	1158	22	10			F1B	50	250	unident printer
USKA	7054.0	1956	01	10	RUS		F1B	50	200	unident printer

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
USKA	7080.0	1851	02	10			F1B	50	200	unidnt printer almost daily
USKA	7095.0	2138	31	10		F1L	FSK8	8x125	1750	ALE, MIL 188-141A To: SAS - This is F1L
USKA	7095.0	2145	31	10		F1L	FSK8	8x125	1750	ALE, MIL 188-141A To: SG1 - This is F1L
USKA	10127.0	1213	31	10			J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	10130.0	2132	03	10			P0N			OTHR 10100–10135 40mS 25pps
USKA	10130.0	2101	08	10			P0N			OTHR 10137–10160 20mS 50pps
USKA	10145.9	0928	05	10		F6ACU	J3E u			Illegal SSB operation; Dept 88
USKA	14002.6	1311	15	10			?			3 carriers at 1000.1, 1061.7, 1213.5 Hz over hours
USKA	14008.0	0956	05	10			F1B	50	500	unidnt printer almost daily
USKA	14026.0	1147	23	10			J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	14046.6	1352	20	10	EGY KRE	OOVF	F1B	100	170	Sitor A, CCIR 476 A vt daily
USKA	14046.6	1356	20	10			F1B	100	170	Sitor B, CCIR 476 B vt daily
USKA	14052.0	1124	08	10			J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	14061.5	1142	23	10			J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	14117.0	1039	27	10			F1B	50	200	unidnt printer
USKA	14118.5	1636	10	10			F1B	600	600	ARQ system vt daily
USKA	14122.0	1005	20	10			J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	14141.0	1127	09	10			F1B	50	250	unidnt printer
USKA	14180.0	1637	07	10			F1B	50	200	unidnt printer almost daily
USKA	14180.8	1841	08	10			A1A			figures in groups of 5
USKA	14192.0	1858	05	10			F1B	50	500	unidnt printer almost daily
USKA	14192.0	1841	09	10			F1B	50	200	unidnt printer
USKA	14240.0	1009	01	10			F1B	50	250	unidnt printer
USKA	14240.0	0923	11	10			F1B	75	250	unidnt printer
USKA	14246.5	1126	08	10			F1B	600	600	ARQ sytem vt
USKA	14248.5	1224	31	10			F1B	600	600	ARQ system vt
USKA	14289.0	0826	01	10			J7D	12x120		MPSK-12: CIS 12 = AT3004D
USKA	18107.0	0851	01	10		RDL	F1A			groups of letters and figures
USKA	18107.0	0942	11	10			F1B	50	250	unidnt printer almost daily
USKA	28095.0	1826	03	10		PI	A1A			Fishery Buoy
USKA	28110.5	1622	07	10		BM	A1A			Fishery Buoy
USKA	28150.0	1806	03	10		IL	A1A			Fishery Buoy
USKA	28215.0	1807	03	10		DZ	A1A			Fishery Buoy
USKA	28266.0	1756	03	10		PI	A1A			Fishery Buoy

Veron – Netherlands – PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	3548,0	vt	vd	10	CIS	UiPtr	F1B		Carrier/Revs/Ptr (typical CIS)
VERON	3551,0	20.24	2	10	CIS	UiPtr	F1B	200	Ptr
VERON	3732,0	vt	vd	10	CIS	UiMUX	J7D		8 ch MPSK
VERON	3736,0	20.21	2	10	CIS	UiMUX	PON		radar noise
VERON	7000,0	15.17	16	10	E	UiILL	J3E-u		Spanish voices
VERON	7000,0	15.54	13	10	Italy	UiILL	J3E-u		Italian voices, male
VERON	7016,0	14.35	25	10		UiPtr	F1B		Ptr
VERON	7023,0	14.47	15	10		UiJAM	A1A		dots on qrg DX-pedition VK9DXW
VERON	7030,0	06.39	15	10		UiPtr	F1B	230	Ptr
VERON	7038,7	14.29	vd	10	UKR	D	A1A		19.40 utc, beacon, 20 days
VERON	7038,7	vt	vd	10	UKR	D	A1A		D-beacon
VERON	7038,8	12.14	vd	10	RUS	P	A1A		18.50 utc, beacon, 12 days
VERON	7038,8	vt	vd	10	RUS	P	A1A		P-beacon
VERON	7038,9	H24	vd	10	RUS	S	A1A		20 days, beacon,
VERON	7038,9	H24	vd	10	RUS	C	A1A		21 days, beacon,
VERON	7038,9	vt	vd	10	RUS	S	A1A		S-beacon
VERON	7039,0	vt	vd	10	RUS	C	A1A		C-beacon
VERON	7044,0	12.41	19	10		UiPtr	F1B		Ptr

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	7049,0	14.08	7	10	RUS	UiMUX	J7D		12 tone system, 4,5 KHz wide
VERON	7054,0	vt	vd	10		UiPtr	F1B		Revs
VERON	7054,0	06.11	vd	10	RUS	UiPtr	F1B	200	21.50 utc, Ptr, Russian Airforce, 5 days
VERON	7076,0	13.59	7	10	RUS	UiMUX	J7D		8 ch MPSK
VERON	7090,0	13.05	8	10		UiMUX	J7D		12 ch MPSK
VERON	7098,0	07.39	31	10	E	UiILL	J3E-u		Spanish voices
VERON	7104,3	13.18	vd	10	CHN	UiBC	A3E		14.55 utc, Chinese music, 3 days
VERON	7115,0	13.56	7	10	CHN	UiBC	A3E		Chinese music
VERON	7116,0	16.52	30	10		UiPtr	F1B	1500	Revs
VERON	7116,5	14.14	vd	10	CIS	UiPtr	F1B	1000	22.23 utc, Ptr, 6 days
VERON	7117,0	18.44	3	10	CIS	UiPtr	F1B	2500	Ptr
VERON	7121,9	14.52	21	10	CIS	UiPtr	F1B	200	Ptr
VERON	7164,9	12.24	3	10		UiMUX	J7D		8 ch MPSK
VERON	7169,6	14.09	1	10		UiMUX	J7D		8 ch MPSK
VERON	7185,0	14.08	1	10		UiMUX	J7D		8 ch MPSK (Stanag?) 3 days
VERON	10112,0	12.20	vd	10	CIS	UiMUX	J7D		8 ch MPSK Stanag, 7 days, 15.00 utc
VERON	10115,0	06.59	15	10		UiPtr	F1B	1000	Ptr
VERON	10129,0	14.06	1	10	CIS	UiPtr	F1B	400	Ptr
VERON	14004,0	09.04	13	10		UiMUX	J7D		12 ch MPSK
VERON	14006,0	vt	vd	10		UiPtr	F1B		Ptr
VERON	14006,0	08.35	vd	10	CIS	UiPtr	F1B	250	12.02 utc, Ptr, 4 days
VERON	14008,0	vt	vd	10	CIS	UiPtr	F1B		Carrier/Revs/Ptr
VERON	14008,0	07.48	vd	10	CIS	UiPtr	F1B	500	10.00 utc, 3 days, Ptr
VERON	14008,0	08.24	16	10	CIS	UiCAR	NON		carrier strong
VERON	14014,0	11.07	21	10	CIS	XTPA	A1A		Calls/5BL (to: QR3A VSNQ TD8O)
VERON	14028,0	06.10	21	10		UiCAR	NON		carrier strong
VERON	14046,0	13.38	15	10		UiPtr	F1B		SitorA(ARQ625) SitorB(FEC625)
VERON	14046,0	12.47	7	10		OHTR	PON		unknown radar
VERON	14050,0	10.04	3	10		OHTR	PON		Radar
VERON	14095,0	09.01	8	10	RUS	UiMUX	J7D		12 tone MPSK AT3004-D
VERON	14117,0	08.49	28	10		UiPtr	F1B	200	Revs
VERON	14117,0	09.27	29	10		UiPtr	F1B	180	Revs, also 31/10 at 09.11 utc
VERON	14120,0	09.54	3	10	CIS	UiPtr	F1B	250	Revs
VERON	14120,0	08.27	16	10		UiMUX	J7D		12 ch MPSK
VERON	14120,0	09.26	29	10		UiPtr	F1B	250	Revs
VERON	14140,0	09.55	13	10	CIS	UiCAR	NON		carrier
VERON	14160,0	09.31	14	10		UiMUX	J7D		12 ch MPSK
VERON	14173,0	vt	vd	10		UiPtr	F1B		Revs/Ptr
VERON	14173,0	10.33	25	10		UiPtr	F1B	250	till 14.28 utc, Revs/Ptr, and 26/10 10.00
VERON	14180,0	vt	vd	10		UiPtr	F1B		Ptr
VERON	14180,0	10.04	vd	10	CIS	UiPtr	F1B	200	11.52 utc, Ptr, 2 days
VERON	14235,0	14.45	16	10		UiMUX	J7D		12 tone system,
VERON	14236,0	07.49	21	10		UiMUX			rushing noise
VERON	14240,0	08.30	13	10		UiPtr	F1B		Ptr
VERON	14240,0	09.32	vd	10	CIS	UiPtr	F1B	250	10.05 utc, Ptr, 3 days
VERON	14280,0	08.34	16	10		UiPtr	F1B		Ptr
VERON	14284,0	09.46	16	10	CIS	WEGI	A1A		XXX WEGI 82919 AZOTOREa 3817 8823
VERON	14284,0	12.42	19	10	RUS	RGT77	A1A		5BL
VERON	14347,8	15.16	17	10		UiILL	J3E-u		E.European m/f voices (no HAM calls)
VERON	18068,0	11.29	14	10		OHTR	PON		radar
VERON	18094,0	14.11	21	10		UiMUX	J7D		18 ? Tone system MPSK, 5 KHz wide
VERON	18107,0	vt	vd	10	CIS	UiPtr	F1B		Carrier/Revs/Ptr
VERON	18107,0	12.36	19	10	RUS	RDL	F1A		XXX RDL 41096 08856 OPISKA 7191 8098
VERON	18107,0	12.41	25	10	RUS	RDL	F1A		UUU XXX RDL 11111/5F
VERON	18151,0	11.51	11	10	IND	UiILL	J3E-u		Indian language
VERON	21000,0	11.27	14	10		UiPtr	F1B	140	Ptr
VERON	21025,0	09.47	5	10		OHTR	PON		radar, wide 21014-21040 KHz

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	SH	DETAILS
VERON	21090,0	11.28	14	10		UiMUX			rushing noise
VERON	21398,0	14.04	21	10		OHTR	PON		radar, 20 Khz wide
VERON	28262,0	12.05	7	10		UiMUX	J7D		8 ch MPSK
VERON	28262,0	13.00	15	10		UiMUX	J7D		8 ch MPSK

IARUMS Region 1

Manual 2006, Monitoring Template, WAV-files, Fishery Buoys on 10m, Latest Intruder News, Co-ordinator's Corner, 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, ITU Monitoring Reports 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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Wavecom Elektronik – Buelach – Switzerland

SSB-Electronic – Iserlohn - Germany