



Monitoring System

- IARUMS Region 1 -

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The monthly newsletter for Region 1

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Acknowledgements

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++ 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

Important Links – available on <http://www.iarums-r1.org>

Soundfiles – <http://www.iarums-r1.org>

Latest Intruder News – often updated - <http://www.iarums-r1.org> –

Part 1: News and infos

1. 14000 kHz – pirate program schedule

0700 – 1200 utc: Spanish fishery - usb
1100 – 1400 utc: Pirates in Hindi voice – usb
1700 utc: Traffic in Arabic voice - usb
1700 – 1800 utc: Spanish family traffic (wife and husband) - usb
1830 utc: Nigerian pirates – usb
1900 utc: Brazilian pirates – usb
various times: Mossad transmissions – AM
various times: Egypt telemetry – FSK
various times: DRC (Zaire) missionaries - usb
various times: Moroccan fishery – usb
various times: Italian fishery – usb
various times: Unidentified fishery, Indian Ocean, North of Madagascar – usb

2. 7000 kHz – Carabinieri Rome – still active

About two years ago we believed that the ALE system of the Italian Carabinieri (Rome) would have left 7000. So I was rather amazed to find them again on this QRG on February 2007. The German PTT confirmed my measurements and sent an official complaint to the Italian PTT.

3. Homepage updates

The homepage has been updated as usual. Latest Intruder News is updated very often.

4. DPRK-FSK600 active again

The DPRK-FSK600 system (600 Bd / 600 Hz shift) is active again on 14038.447 kHz (center) daily at 1700 utc or 1800 utc. This ARQ-burst-system is working on 2 different QRGs (semi-duplex).
Location: Tripolis / Libya. User: MFA Libya

5. Hamradio 2007

The German Intruderwatch Meeting will happen on June 23th, 2007 in Friedrichshafen during the Hamradio. Time: 1000 – 1130 local time – Location: Room “Schweiz” (= Switzerland), no. 155. After the lectures of DJ9KR and DK2OM the IARUMS Region 1 Coordinators will have a special meeting. A plan of the fair can be found on our homepage. Look under: “Bandwachttreffen – Hamradio 2007” All interested hams and swls are invited! [Overview map of the New Fair Friedrichshafen at the end of this letter!](#)

6. 14314 kHz – MFA Cairo

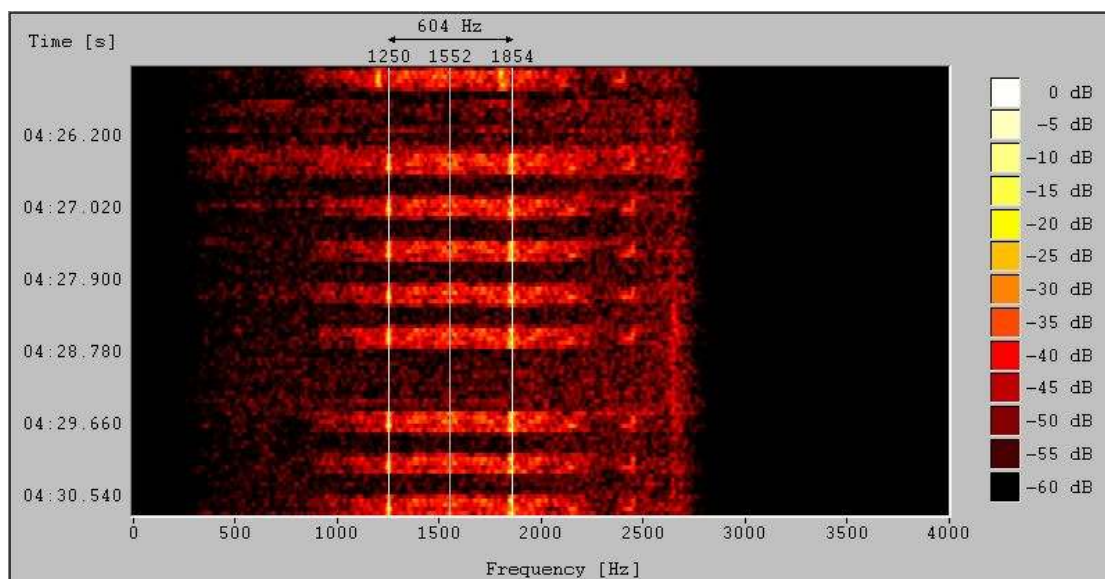
14314 kHz – MFA Cairo transmitting in Sitor A, semiduplex, daily.

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

Homepage IARUMS Region 2 <http://www.iaruregion2.org>

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

DPRK FSK-600 (600 Bd, 600 Hz shift) from Tripolis, Libya, daily on 14038.447 kHz



screenshot: DK2OM with Wavecom

Part 2: Detailed reports from the national Co-ordinators

dly = daily ... vt = various times ... vd = various days ... pps = pulses per second (radar systems) ... BD = Baud
 ... SH = Shift ... J3E-U = USB ... J3E-L = LSB ... MIL = military ... NGO = non governmental organization
 MM = month ... DD = day ... ITU = ITU abbreviation ... PRC = People Republic of China ...
 PLA = people's liberation army ... MFA = Ministry for Foreign Affairs

ARSK – Kenya – 5Z4NU (Ted)

H'd by	kHz	UTC	dd	mm	ITU	Identity	Mode	Details
ARSK	6999.0	vt	dly	3	ETH?	UiPHONE	J3Eu	Amharic.
ARSK	7000.0	vt	dly	3	SOM	Boccaro, Galkayu	J3Eu	Somalis. Phone patching.
ARSK	7002.0	0514	7	3	SOM	UiPHONE	J3Eu	Somalia, calling Manderu or Bardera.
ARSK	7005.0	0511	22	3	SOM	UiPHONE	J3E	Somalis.
ARSK	7012.0	vt	*	3	SOM	Kismayu, Afmadu, Dobleh	J3Eu	Somalis, SelCal. Some KiSwahili, prob. Bajuni *12,19,24,
ARSK	7020.0	0531	16	3	SOM	uiPHONE	J3Eu	Somalis.
ARSK	7022.0	vt	dly	3	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7023.0	vt	dly	3	SOM	Bulla Hawa, Boccaro	J3Eu	Somalis. Phone patching.
ARSK	7024.0	0735	6	3	SDN	UiPHONE	J3E	Vernacular, SPLA or NGO.
ARSK	7025.0	0518	7	3	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7026.0	vt	dly	3	SDN	Twiga, K1, K2, K3, JB, RS, V1, V2, P2, IF, CF,	J3Eu	English, NGO. Selcal. (Twiga = giraffe in KiSwahili.)
ARSK	7027.0	vt	dly	3	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7029.0	1210	19	3	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7031.0	0921	21	3	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7040.0	vt	dly	3	ETH	UiPHONE	J3Eu	Amharic.
ARSK	7042.0	vt	*	3	SOM	UiPHONE	J3Eu	Somalis.*6,22,
ARSK	7045.0	vt	dly	3	SDN	El Fasher, MM, NE, NU, AA, AK, AJ, AL, AT, AO, DU, WL1, WL2, WL4, WL5,WL9, WL10, BR, WM, NU, MAJ,	J3E	Vernacular, Dholuo, English, phonetics. Sudan, NGO, SPLA or SNLA?
ARSK	7045.0	vt	dly	3	TZA	Mafia, Songea, Lindi, Kalungu, Korogwe, Kilwa, Sumbawanga, Korogwe	J3E J3Eu	Tanzania Electricity Supply Co. Usage illegal and contrary to ITU allocations.
ARSK	7046.0	0521	7	3	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7048.0	vt	dly	3	SDN	WA, S, T, SM, AU, PK, PS, AC, BC, B15,CC, Malakal, Yambio,	J3E	English, vernacular, verbal Morse. NGO or SPLA?
ARSK	7050.0	vt	dly	3	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7050.0	vt	dly	3	SDN? RRW UGA? ETH?	A, AA, BB, J, K, D, DG, Kigali, GA, W, WA, 42, 54, 4A, 72,691,134, 128, PW,	J3Eu	French, English, Italian, NGO. Positions coded, Alfa, Golf etc. Selcal. Possible Kampala link. May also have stations in Ethiopia, Somalia and Mozambique.

H'd by	kHz	UTC	dd	mm	ITU	Identity	Mode	Details
						Bukavu, 4W,		
ARSK	7055.0	0525	7	3	SDN	UiPHONE	J3E	SPLA? Vernacular.
ARSK	7065.0	vt	dly	3	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7066.0	vt	dly	3	SDN	B1, B2, AT,K1, KT, CT, TI, BT, B2, KR, JT, P1, LL, LA, A25, BJ, RK1, RK2, KA	J3E	S. Sudan. English, & Nilotic language. NGO? Also uses 5712 KHz.
ARSK	7070.0	vt	dly	3	SOM ERI	Asmara, Afmadu, Dobleh, Baidoa, Merere, Garoe, Burhane, Mogadishu, Kismayu, Beletwein	J3Eu	Somalis. SelCal. Often late at night.
ARSK	7075.0	vt	dly	3	SOM	Galkayu, Kismayu, Baidoa	J3E J3Eu	Somalis. SelCal, phonepatching.
ARSK	7084.0	0526	7	3	SOM	UiPHONE	J3Eu	Somalis.
ARSK	7090.0	0920	21	3	SDN	UiPHONE	J3E	South Sudan, vernacular.
ARSK	14114.0	0719	24	3	SOM	UiPHONE	J3E	Somalis. Nairobi mentioned.
ARSK	14028- 14315	vt	dly	3	KEN	UiCAR	AiA?	Carrier, on 9 freqs. spread over the 20 m band, probably spurii, Ruaraka area . Under investigation. (Reported by 5Z4ES)

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

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
DARC	3540,0	0600	16	03	A3E	F	info	French Amateurs in AM, carrier with both sidebands, no intruders!
DARC	3545,0	0611	05	03	A3E	F	info	French Amateurs in AM, carrier with both sidebands, no intruders!
DARC	3545,0	0613	19	03	A3E	F	info	French Amateurs in AM, carrier with both sidebands, no intruders!
DARC	3557,0	0559	05	03	A3E	F	info	French Amateurs in AM, carrier with both sidebands, no intruders!
DARC	3640,0	2247	23	03	A3E	ISR	SYN2	female synthetic voice
DARC	7000,0	1530	03	03	J3E-L	I	info	possibly Italian Amateurs in LSB (= Out- Of-Band Operation)
DARC	7000,0	1404	17	03	J3E-L	I	IW0QLQ	calling CQ, later to 3650 kHz
DARC	7000,0	vt	vd	03	J3E-L	I	Amateurs?	strange traffic in Italian, as SSB-LSB is Out- Of-Band-Operation - splatters into ham band with suppressed USB - the persons claim to be licensed Amateurs (sic!)
DARC	7000,0	vt	vd	03	J3E-U	MRC	UiILL	Moroccan fishery heard 03 09 19 26 at 1037, 2326, 1955, 1833
DARC	10101,0	vt	vd	03	J3E-U	MRC	UiILL	Moroccan fishery heard 03 11 16 19 at 1532, 1935, 2100, 2120, 1820
DARC	10129,7	vt	01	03	J3E-U		UiILL	possibly Spanish or Portuguese fishery, engine noise in background
DARC	10150,0	1823	23	03	J3E-U	F.Ea	UiILL	pirates
DARC	14000,0	0825	06	03	J3E-U	TUR	UiILL	Turkish (?) male persons
DARC	14000,0	1748	12	03	J3E-U	B	UiILL	Portuguese male voices
DARC	14000,0	vt	15	03	J3E-U		UiILL	2 male voices, engine noise, QTE Tubingen 200 degs.
DARC	14000,0	1828	19	03	J3E-U	Af	UiILL	pirates
DARC	14000,0	0640	21	03	J3E-U	POR	UiILL	Portuguese male voices, motor noise in

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
								background
DARC	14000,0	1542	23	03	J3E-U		UiILL	male persons calling 1-2-3
DARC	14000,0	1657	26	03	A3E	ISR	Yankee	female synthetic voice
DARC	14000,0	0942	28	03	J3E-U	E	UiILL	Spanish male person
DARC	14000,0	1638	28	03	J3E-L	I	UiILL	Italian pirates in SSB-LSB
DARC	14000,0	1858	29	03	J3E-U	E	UiILL	Spanish female person calling
DARC	14000,0	1904	29	03	J3E-U	S.Am	UiILL	Spanish male person calling "Polesta cambio"
DARC	14000,0	vt	vd	03	J3E-U	W.Af	UiILL	Vernacular and French used, heard 06 07 at 1802, 1222
DARC	14000,0	vt	vd	03	J3E-U	S.As	UiILL	possibly Hindi language, heard 09 13 at 1227, 1557
DARC	14000,0	vt	vd	03	J3E-U	B	UiILL	pirate net heard 11 - 27 at 1846 - 1949, 8 reports
DARC	14000,0	vt	vd	03	J3E-U	S.As	UiILL	possibly Hindi language, heard 21 - 28 at 0556, 1011, 1040, 1206 - 1220
DARC	14001,0	1419	02	03	J3E-L		UiILL	unid pirate, LSB used
DARC	14001,5	1015	11	03	J3E-U	F.Ea	UiILL	pirates
DARC	14002,5	1243	24	03	J3E-U	S.As	UiILL	possibly Hindi language
DARC	14004,0	1403	04	03	J3E-U	F.Ea	UiILL	pirates
DARC	14005,0	1337	05	03	J3E-L		UiILL	unid pirates, LSB used
DARC	14005,4	1445	25	03	J3E-U	S.As	UiILL	pirates, fishery in Indian Ocean, engine noise
DARC	14011,0	1406		03	J3E-L	F.Ea	UiILL	pirates LSB used
DARC	14014,0	1111	06	03	J3E-U	S.As	UiILL	possibly Hindi language
DARC	14015,0	1127	05	03	J3E-U	S.As	UiILL	possibly Hindi language
DARC	14037,0	1723	26	03	J3E-U		UiILL	2 male persons in Arabic voice, also engine noise heard
DARC	14043,0	vt	10	03	J3E-U	Af	UiILL	2 male persons in African language, heard 1708 - 1728
DARC	14043,0	1710	26	03	J3E-U		UiILL	unid male voices, unid language, QTE Tubingen 235 degs.
DARC	14060,0	vt	27	03	J3E-U	MRC	UiILL	2 male voices, Ar dialect, shrieky voice (see 14342!), heard 1645 - 1705
DARC	14061,0	0744	17	03	J3E-L	RUS	UiILL	pirates in SSB-LSB
DARC	14063,0	1717	09	03	J3E-U		UiILL	unid male voices
DARC	14092,5	0736	29	03	J3E-U	S.As	UiILL	2 male persons in Korean voices
DARC	14092,6	0734	16	03	J3E-U	F.Ea	UiILL	Korean male voices
DARC	14100,0	0910	28	03	J3E-U		UiILL	scrambled voice with "F1B" like signal in between
DARC	14120,0	vt	17	03	J3E-U	E / ship	UiILL	female person in Huelva area with her husband "Martín" on board of a ship off the coast of Brasil, Atlantic Ocean - heard 0852 - 0855
DARC	14120,0	vt	26	03	J3E-U	E / ship	UiILL	female person in Huelva area with her husband "Martín" on board of a ship off the coast of Brasil, Atlantic Ocean - heard 0814 - 0855
DARC	14130,0	vt	05	03	J3E-U	E / ship	UiILL	female person in Huelva area with her husband "Martin" on board of a ship off the coast of Brasil, Atlantic Ocean - heard 1724 - 1727
DARC	14130,0	vt	15	03	J3E-U	E / ship	Noventa-Abril 10 menos	Spanish female to Martín, first heard January 2006 (!!!). Female: South Spain, Martín: on board of ship off the coast of S.Am - says "Noventa-Abril 10 meno" (= frequency indication) heard 0847 - 0858
DARC	14130,0	vt	15	03	J3E-U	E / ship	UiILL	female person in Huelva area with her husband "Martín" on board of a ship off the coast of Brasil, Atlantic Ocean - heard 0847 - 0858
DARC	14130,0	vt	17	03	J3E-U	E / ship	UiILL	female person in Huelva area with her husband "Martín" on board of a ship off the coast of Brasil, Atlantic Ocean - heard 0850 - 0852

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	REMARKS
DARC	14141,5	0856	28	03	J3E-U	N.Af	UiILL	2 male persons in Ar dialect, QTE Tubingen 235 degs.
DARC	14269,0	vt	20	03	J3E-U	KOR	UiILL	2 male persons in Korean voice - from 14321 - heard 1810 - 1816
DARC	14321,0	1808	20	03	J3E-U	KOR	UiILL	2 male persons in Korean voice - to 14269
DARC	14322,0	0850	28	03	J3E-U	S.As	UiILL	Korean male voices
DARC	14333,3	1705	26	03	J3E-U		UiILL	unid male voices, no amateurs!
DARC	14337,0	vt	09	03	J3E-U	NIG	UiILL	unid dialect, from 14343 - heard 0911 - 0913
DARC	14342,0	vt	20	03	J3E-L	MRC	UiILL	male voice with weaker voice in background, possibly duplex, vy shrieky voice - heard 1803 - 1823
DARC	14343,0	0830	02	03	J3E-U	NIG	UiILL	unid male person, no amateur!
DARC	14343,0	vt	05	03	J3E-U		UiILL	male voices, engine noise in background, heard 1700 - 1705
DARC	14343,0	0903	09	03	J3E-U		UiILL	unid language, whistles - to 14337 a/a
DARC	14343,0	vt	10	03	J3E-U		UiILL	3 male voices, unknown lanaguage, QTE Tubingen 200 degs., heard 1741 - 1801, QSY from 14348 a/a
DARC	14343,0	vt	13	03	J3E-U	NIG	Golf Papa	2 male persons, unid language, figures in English, male says " We are Nigerian fishery", engine noise, heard 0832 - 0926
DARC	14343,0	0848	15	03	J3E-U		UiILL	unid male voices
DARC	14343,0	vt	17	03	J3E-U	F	UiILL	2 male persons in Galician language, engine noise - heard 1850 - 1856
DARC	14343,0	0835	22	03	J3E-U	F	UiILL	male person in Galician dialect (gallego), strong engine noise in background heard
DARC	14343,0	0757	26	03	J3E-U	E	UiILL	2 male persons in Galician language, engine noise
DARC	14343,0	1708	29	03	J3E-U	E	UiILL	2 male persons in Galician language, engine noise
DARC	14345,0	vt	23	03	J3E-U	F	UiILL	2 male persons (one person is Javier), Spanish citizens (somos gallegos) "barco francés" (French Ship), "estamos gran sol por sur de inglandia" (we are "Gran Sol" in the South of England"), "gallegos" (from Galicia) - they excuse themselves for interference - vy strong engine noise in background, heard 1645 - 1654
DARC	14348,0	vt	10	03	J3E-U		UiILL	3 male voices, unknown lanaguage, engine noise, QTE Tubingen 200 degs., heard 1739 - 1741, QSY to 14343 a/a
DARC	18070,0	1520	14	03	J3E-L	S.As	UiILL	net of female and male persons
DARC	18075,0	1209	21	03	J3E-U	F.Ea	UiILL	pirates
DARC	18100,0	1215	14	03	J3E-U	F.Ea	UiILL	pirate net
DARC	18100,0	0746	17	03	J3E-U	F.Ea	UiILL	pirates
DARC	21002,0	1400	04	03	J3E-U	S.As	UiILL	possibly Hindi language
DARC	21114,4	vt	vd	03	J3E-U	IRN	AMK-123	possibly Iranian fishery in Arabian Sea - heard 23 24 25 at 1104, 1301, 1240 - daily active
DARC	21212,0	vt	28	03	J3E-U	N.Af	UiILL	2 male persons in N.Af dialect, one person has shrieky voice, strong engine noise, up to S9-signal, heard 1528 - 1537
DARC	21221,8	1528	28	03	J3E-U	N.Af	UiILL	2 male persons in N.Af dialect, strong engine noise
DARC	21450,0	0918	20	03	J3E-L	S.As	UiILL	S.As female, no amateur!

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

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	3544,0	1933	25	03	F1B	RUS	UiPTR	75	250	unid printer
DARC	3549,5	2041	18	03	J7D	RUS	UiMUX			12-tone AT-3004-D
DARC	3550,0	vt	vd	03	A3E	F	Many French Amateur Radio Stations			Information to Intruder Watchers: 0600 - 0900: large net up to 20 stations in "AM" by French lis Radio Amateurs - Activity is not conform to IARU Band Plan and a waste of Amateur Radio spectrum - often reported to IARU-MS as "Intruders" - Back to roots? When will they use Spark Gap transmitters agn?
DARC	3553,0	2227	31	03	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	3568,0	2246	23	03	F1B	RUS	UiPTR	75	250	unid printer
DARC	3568,0	1933	25	03	F1B	RUS	UiPTR	75	250	unid printer
DARC	3572,0	1929	10	03	QPSK	HOL	UiMUX	100	100	QPSK, Radio Navigation System, Netherlands, permanent
DARC	3576,0	1801	01	03	A3E	UKR	beacon			beacon called "the pip", 5 x 2 tones, is UKR MIL, permanent
DARC	3640,0	2247	23	03	A3E	ISR	SYN2			female synthetic voice, is MOSSAD Israel
DARC	7000,0	1801	01	03	A3E		UiBC			Intermodulation
DARC	7000,0	1937	01	03	FSK8	I	UiMUX			ALE, selcalls 204, 205, 208 - is Carabinieri Rome - daily
DARC	7000,0	1318	04	03	N0N		UiCAR			unid carrier
DARC	7000,0	2018	29	03	G7B		UiMUX			frequency hopper
DARC	7000,0	1724	31	03	A3E	BLR	Radio Belarus Minsk			spurious from 7105
DARC	7001,5	2011	02	03	G7B	F	UiMUX			system STANAG-4285 - D8PSK, 2k4, location is Djibouti, French Navy
DARC	7003,0	1213	01	03	FSK8	USA	UiMUX	125	1750	ALE, selcalls T01, T147 - daily, is US-MIL Air Force
DARC	7003,0	1236	24	03	MFSK8	USA	UiMUX			ALE heard
DARC	7010,0	1850	01	03	A3E	D	Deutsche Welle			Comments in Arabic and German
DARC	7010,0	vt	vd	03	N0N	D	Deutsche Welle			carrier heard 01 - 07 around 1800, is IM: 7145 x 2 - 7280 = 7010
DARC	7012,0	0827	11	03	FSK8		UiMUX			ALE heard
DARC	7020,0	0812	31	03	F1B	RUS	UiPTR	75	200	unid printer
DARC	7022,0	1219	02	03	J7D	RUS	UiMUX			12-tone AT-3004-D
DARC	7032,0	2006	28	03	FSK8		UiMUX			system ALE, selcalls 8035, 3031
DARC	7036,0	1429	11	03	F1B		UiPTR	50	500	unid printer system ACF01
DARC	7038,7	1211	01	03	A1A	UKR	beacon D			located Sevastopol
DARC	7038,7	0700	29	03	A1A	UKR	beacon D			located Sevastopol
DARC	7039,0	1211	01	03	A1A	RUS	beacon C			located Moscow
DARC	7039,0	0700	29	03	A1A	RUS	beacon C			located Moscow
DARC	7045,0	2013	02	03	FSK8	GEO	UiMUX			ALE, selcalls 3BR, 8S - is Georgian MIL, daily
DARC	7055,3	2236	24	03	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7055,3	2336	24	03	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7055,4	2013	04	03	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7055,6	2036	10	03	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	7056,3	1857	30	03	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7064,2	1956	18	03	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7064,3	2113	17	03	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7065,2	2013	14	03	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7066,0	2110	31	03	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7066,1	2143	22	03	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7066,4	2114	06	03	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7066,5	2216	23	03	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7067,8	2104	16	03	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7068,1	2018	13	03	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7069,4	2004	15	03	A1A	CHN	UiCW			roundslip "CP17 DE L9CC"
DARC	7070,0	2219	23	03	A3E	CHN	UIBC			Chinese BC - report to KON
DARC	7070,0	2221	23	03	FSK8	CHN	UiMUX			ALE, selcalls 514, 244, 571 - is PRC/PLA China
DARC	7073,4	2020	19	03	A1A	CHN	L9CC			roundslip "CP17 DE L9CC"
DARC	7076,0	0607	14	03	F1B	RUS	UiPTR	75	250	unid printer
DARC	7081,0	1605	08	03	F1B	F.Ea	UiPTR	150		only dots
DARC	7091,5	0457	30	03	J7D	RUS	UiMUX			12-tone AT-3004-D
DARC	7091,5	0457	30	03	J7D	RUS	UiMUX			12-tone AT-3004-D
DARC	7092,0	1818	23	03	A3E	BLR	Radio Belarus Minsk			splatters from 7105 - report to KON
DARC	7095,0	vt	vd	03	A3E		Voice of Russia			splatters from 7105
DARC	10101,0	0815	13	03	F1B		UiPTR			unid printer
DARC	10102,0	1330	11	03	G7B		UiMUX			frequency hopper
DARC	10110,0	1320	25	03	XXX		UiMUX			multiplex, rushing noise
DARC	10112,0	1218	02	03	G7B	TUR	UiMUX			system STANAG-4285 - D8PSK, 2k4, is Turkish MIL, permanent
DARC	10114,0	1812	02	03	G7B		UiMUX			frequency hopper
DARC	10114,0	1325	25	03	F1B		UiPTR			unid printer
DARC	10119,8	1343	19	03	F1B	RUS	UiPTR	50	250	unid printer
DARC	10125,0	1534	17	03	FSK8	ALG	UiMUX			ALE, selcalls MAE, TRP - is Algerian MIL, daily
DARC	10130,0	0815	13	03	F1B		UiPTR	50	550	unid printer
DARC	10132,0	1434	02	03	FSK8		UiMUX			system THALES-3000, unid
DARC	10135,0	0514	28	03	FSK8		UiMUX			ALE, selcalls NAI, RCP
DARC	10138,0	1734	02	03	FSK8	ISR	UiMUX			ALE, selcall BA4 - is Israeli Air Force, daily
DARC	10144,0	vt	vd	03	F1B	RUS	UiPTR	82	250	unid printer heard 17 - 26 at 0552 - 1207
DARC	10150,0	1452	01	03	MFSK	RUS	UiMUX			36-tone system CIS-36, located West Russia
DARC	14000,0	1045	02	03	FSK	EGY	UiMUX	300	820	FSK, daily, is Egyptian telemetry
DARC	14000,0	1411	04	03	G7B		UiMUX			frequency hopper
DARC	14000,0	1530	21	03	N0N	I	UiCAR			carrier, station located Sicily Island, Italy
DARC	14000,0	1146	22	03	P0N	G / CYP	British OTH-Radar Cyprus			chirping pulses 50 Khz spread, 25-Hz-system
DARC	14000,0	1657	26	03	A3E	ISR	Yankee			female synthetic voice, is MOSSAD Israel
DARC	14000,0	vt	vd	03	N0N	GRC	UiCAR			carrier heard 03 04 at 1521, 1416
DARC	14001,5	1700	28	03	G7B		UiMUX			system MIL-188-110-A, hybrid modem, 2k4, unid
DARC	14003,5	1643	28	03	FSK8		UiMUX			unid CLOVER-2000, QTE 180 degs.
DARC	14005,0	1205	01	03	J7D	RUS	UiMUX			12-tone AT-3004-D
DARC	14005,0	1736	31	03	G7B		UiMUX			frequency hopper

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	14008,0	1210	14	03	F1B	RUS	UiPTR	50	250	unid printer heard 14 20 28 at 0850 - 1104
DARC	14014,0	vt	30	03	F1B		UiPTR			printer heard 0830 - 0936
DARC	14016,0	1032	30	03	J7D	RUS	UiMUX			12-tone AT-3004-D
DARC	14019,0	1557	22	03	F1B	RUS	UiPTR	50	200	unid printer
DARC	14026,0	0939	03	03	J7D	RUS	UiMUX			12-tone AT-3004-D
DARC	14026,0	0808	09	03	F1B	RUS	UiPTR			unid printer
DARC	14026,0	0827	13	03	J7D	RUS	UiMUX			12-tone AT-3004-D heard 13 and 28 at 0827, 0850
DARC	14028,0	1207	01	03	F1B	KAZ	UiPTR	75	250	unid printer
DARC	14028,0	1125	05	03	F1B	KAZ	UiPTR	75	250	unid printer
DARC	14028,0	0757	15	03	F1B		UiPTR			fast reversals
DARC	14028,0	1218	26	03	F1B	RUS	UiPTR	75	250	unid printer
DARC	14030,0	1150	01	03	J7D	RUS	UiMUX			12-tone AT-3004-D
DARC	14037,0	1713	12	03	G7B		UiMUX			frequency hopper
DARC	14038,0	1658	13	03	G7B		UiMUX			frequency hopper
DARC	14038,5	vt	vd	03	FSK	LBY	UiMUX	600	600	system DPRK-FSK-600/600 - is MFA Libya, transmitting 1700 and/or 1800, 28 reports all month
DARC	14052,0	1122	20	03	J7D	RUS	UiMUX			12-tone AT-3004-D
DARC	14064,0	1650	13	03	G7B		UiMUX			frequency hopper
DARC	14070,0	1856	31	03	G7B		UiMUX			frequency hopper
DARC	14078,0	1533	31	03	G7B		UiMUX			frequency hopper
DARC	14080,0	1630	15	03	A3E		UiBC			2 px heard at the same time, "Moskva Radio" (?)
DARC	14080,0	vt	24	03	A3E		UiBC			2 px heard at the same time, QTE 235 degs., heard 1641 - 1700 s/off. One px found // 9770 sounding Turkish/Arabic
DARC	14091,0	0825	06	03	J7D	RUS	UiMUX			12-tone AT-3004-D
DARC	14091,0	1045	06	03	J7D	RUS	UiMUX			12-tone AT-3004-D
DARC	14104,0	0816	31	03	F1B	RUS	UiPTR	81	250	unid printer
DARC	14104,0	vt	vd	03	F1B		UiPTR			fast reversals and printer heard 29 and 31 at 0710 - 0816
DARC	14112,0	vt	vd	03	F1B	RUS	UiPTR	75	250	unid printer heard 15 and 27 at 0602, 0757, 0819-0843
DARC	14120,0	0815	13	03	F1B	RUS	UiPTR	81	250	unid printer
DARC	14120,0	vt	29	03	F1B	RUS	UiPTR	81	250	unid printer heard 0729 - 0808
DARC	14120,0	vt	30	03	F1B	RUS	UiPTR	81	250	printer heard 0803 - 0936
DARC	14120,0	0815	31	03	F1B	RUS	UiPTR	81	250	unid printer
DARC	14121,8	vt	09	03	J7D	RUS	UiMUX			12-tone AT-3004-D, heard 0810 - 0928
DARC	14121,8	1114	12	03	J7D	RUS	UiMUX			12-tone AT-3004-D
DARC	14144,0	vt	20	03	F1B	RUS	UiPTR	81	250	system 81, heard 0910 - 1123
DARC	14169,0	1208	01	03	J7D	RUS	UiMUX			12-tone AT-3004-D
DARC	14204,0	1033	30	03	F1B	RUS	UiPTR	100	250	unid printer, idling
DARC	14204,0	vt	30	03	F1B	RUS	UiPTR			printer heard 0803 - 0936
DARC	14228,0	1103	23	03	J7D	RUS	UiMUX			12-tone AT-3004-D
DARC	14228,0	1103	23	03	J7D	RUS	UiMUX			12-tone AT-3004-D
DARC	14240,0	vt	27	03	A3E	RUS	Radio Rossiye			2 px at the same time, Ar px and ? Px, heard 0754, 1606 - 1643 - S9-signal
DARC	14241,5	0605	14	03	J7D	RUS	UiMUX			12-tone AT-3004-D
DARC	14242,0	0515	28	03	J7D	RUS	UiMUX			12-tone AT-3004-D, heard 0515 - 0545
DARC	14253,0	0815	13	03	F1B		UiPTR			unid printer
DARC	14256,0	0923	09	03	XXX	RUS	UiPTR			humming noise
DARC	14256,0	vt	09	03	F1B	RUS	UiPTR			heard 0808 - 0915
DARC	14256,0	0910	20	03	F1B	RUS	UiPTR			unid printer

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	14256,0	0553	23	03	F1B	RUS	UiPTR	50	200	unid printer
DARC	14257,0	vt	30	03	XXX		UiMUX			multiplex heard 0832 - 0901, S9+30dB
DARC	14300,0	0553	08	03	A3E	RUS	Radio Rossiye			IM
DARC	14300,0	0851	16	03	P0N	G / CYP	British OTH-Radar Cyprus			chirping pulses
DARC	14310,0	1558	06	03	A3E	ALB	Radio China Intl.			harmonic from 7155, relay Tirana
DARC	14314,0	1035	30	03	F1B	EGY	UiPTR MFA Cairo			SITOR-A, semi duplex
DARC	14315,0	1004	16	03	P0N	G / CYP	British OTH-Radar Cyprus			chirping pulses
DARC	14332,0	0910	20	03	F1B		UiPTR			unid printer
DARC	14332,0	vt	29	03	F1B		UiPTR			unid printer heard 0638 - 1025
DARC	14340,0	0810	27	03	F1B		UiPTR			unid printer
DARC	14350,0	1432	02	03	A3E	ROU	Radio Romania			BC harmonic from 7175, daily
DARC	14350,0	0851	29	03	MFSK8		UiMUX			ALE heard
DARC	14350,0	vt	vd	03	A3E	ROU	Radio Romania			harmonic from 7175, heard 06 - 18 at 1415
DARC	14370,0	vt	09	03	P0N	G / CYP	British OTH-Radar Cyprus			chirping pulses heard 0832 - 0919 - splatters into ham band
DARC	18080,0	1600	17	03	G7B		UiMUX			frequency hopper
DARC	18080,0	1637	29	03	P0N	G / CYP	British OTH-Radar Cyprus			chirping pulses 18068 - 18105
DARC	18090,0	1024	18	03	P0N	G / CYP	British OTH-Radar Cyprus			chirping pulses 50 Khz spread, 25-Hz-system - heard 06 and 18 at 1140, 1024
DARC	18100,0	1418	18	03	G7B		UiMUX			frequency hopper
DARC	18100,0	vt	29	03	P0N	G / CYP	British OTH-Radar Cyprus			chirping and rattling pulses heard 1600 - 1705 - 50 kHz spread
DARC	18110,0	1239	23	03	A3E		UiBC			unid BC
DARC	21000,0	1424	04	03	G7B		UiMUX			frequency hopper
DARC	21000,0	1550	12	03	P0N	G / CYP	British OTH-Radar Cyprus			chirping pulses 25-Hz-system
DARC	21000,0	1434	17	03	G7B		UiMUX			frequency hopper
DARC	21005,0	1420	16	03	P0N	G / CYP	British OTH-Radar Cyprus			chirping pulses S9+30dB, 50 kHz spread, 25-Hz-system
DARC	21010,0	1447	05	03	P0N	G / CYP	British OTH-Radar Cyprus			chirping pulses 50-Hz-system
DARC	21030,0	1210	01	03	P0N	G / CYP	British OTH-Radar Cyprus			chirping and rattling pulses 25 Hz system, 50 kHz spread - heard 01 and 20 at 1210, 0915

CLUB	kHz	UTC	DD	MM	MODE	ITU	IDENT	BD	SH	REMARKS AND OBSERVATIONS
DARC	21055,0	1345	16	03	P0N	G / CYP	British OTH-Radar Cyprus			chirping pulses S9+30dB, 50 kHz spread, 25-Hz-system
DARC	21075,0	1527	22	03	P0N	G / CYP	British OTH-Radar Cyprus			chirping pulses 50 Khz spread, 25-Hz-system
DARC	21110,0	0947	24	03	P0N	G / CYP	British OTH-Radar Cyprus			chirping pulses 50 Khz spread, 25-Hz-system
DARC	21114,0	1543	27	03	G7B		UiMUX			frequency hopper
DARC	21135,0	1315	11	03	FSK8	IRQ	UiMUX			system ALE, selcalls 5DV, IGF, MOD - is Iraqi MOD
DARC	21135,2	1220	10	03	FSK8	IRQ	UiMUX			system ALE, selcalls heard 6041, 1002, 1030 - is Iraqi MIL Mossul
DARC	21140,0	1110	04	03	P0N	G / CYP	British OTH-Radar Cyprus			chirping pulses, 25-Hz-system
DARC	21240,0	1430	23	03	G7B		UiMUX			frequency hopper
DARC	21370,0	vt	vd	03	P0N	G / CYP	British OTH-Radar Cyprus			chirping pulses 50 Khz spread, 25-Hz-system - heard 18 and 27 at 1056, 0945
DARC	21448,0	1433	23	03	A3E		UiBC			splatters from 21460

MRASZ – Hungary - HA7PL (Laci)

CLUB	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
MRASZ	7000.0	0-24	DY	03	I		ALE	125	1750	Vy active, italian gendarmarie
MRASZ	14006.0	9:41	22	03	RUS		UiPTR	50	250	
MRASZ	14044.0		11	03	RUS					AT-3004D
MRASZ	14050.0		30	03	RUS		UiPTR	50	800	
MRASZ	14057.0		12	03	RUS					AT-3004D + F1B
MRASZ	14075.0		11	03	RUS					
MRASZ	14084.0	9:45	22	03	Ui		UiMUX	2400		Frequency hopper
MRASZ	14110.0		10	03	RUS					
MRASZ	14130.0		15	03	RUS					Russian phone + AT3004D
MRASZ	14210.0		14	03	Ui		PACTO R	200	200	Non-amateur traffic
MRASZ	14220.0		26	03	Ui		ALE	125	1750	Unidentified
MRASZ	21135.2	0-24	DY	03	IRQ		ALE	125	1750	Iraq military

ÖVSV – Austria – OE3DMA (Alex)

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
ÖVSV	3506.0	0500	12	03	D	UNID	DPSK	2400		German Navy, Arcotel Modem, much activity in the morning – is legal
ÖVSV	3506.9	0610	12	03	unid	unid	F1B	75	850	Unid NATO Secure Bcast, NATO-75, KG-84 encryption
ÖVSV	3507.9	0633	12	03	unid	unid	F1B	75	850	Unid NATO Secure Bcast, NATO-75, KG-84 encryption
ÖVSV	3522.5	0701	12	03	POL	FORDON93	ALE	125	1750	calls GRACYNIA95, pol mil ?
ÖVSV	3530.0	0556	12	03	F	unid				Thales Système 3000, probably French mil or police
ÖVSV	3530.95	0541	12	03	ALG	HAMRA	ALE			Sonatrach Oil Company, ALE

SOC	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	DETAILS
										sounding
ÖVSV	3545.0	0506	12	03	F	unid				Thales Système 3000, probably French mil or police
ÖVSV	3545.0	0533	12	03	unid	SZ30	ALE			calls SZ35
ÖVSV	3570.0	0512	12	03	unid	unid	F1B			Unid NATO Secure Bcast, NATO-75, KG-84 encryption
ÖVSV	3572.0	0547	12	03	E ?	unid	USB			Spanish pirate ? uses "cambio" at end of tx's, no call-sign mentioned
ÖVSV	3588.0	0558	12	03	F	unid				Thales Système 3000, probably French mil or police
ÖVSV	3593.8	0500	12	03	RUS	P	A1A			Kaliningrad beacon
ÖVSV	3641.0	0731	12	03	POL	Kaduceusz	ALE			calls LCR152, pol. Mil

3.500 – 3.800 MHz shared band!

RSGB - Great Britain – G4BOH (Chris)

Society	kHz	UTC	DD	MM	CTRY	IDENT	Mode	BD	SH	REMARKS
RSGB	10140 +/-10	1440- 1600	DY	03	Austria	Trans World Radio	AM	-	-	Schedule changed 25 March. QRM gone. Observation continues.

SRAL – Finland – OH2BLU (Pekka)

Society	kHz	UTC	DD	MM	ITU	IDENT	MODE	BD	SH	REMARKS
SRAL	7018,0	0430- 0530	21	3		UiMUX	F7			
SRAL	7020,0	1450	14	3		UiMUX	F7			
SRAL	7020,0	0415	27	3		UiVFT	F1B		250	
SRAL	7020,0	0830	31	3		UiVFT	F1B		150	
SRAL	7030,0	1200- 1600	*	3		UiVFT	F1B		250	6 days
SRAL	7036,0	1430- 1530	26	3		UiVFT	F1B		500	
SRAL	7038,7	h24	dly	3	UKR	D	A1A			Sevastopol
SRAL	7039,0	h24	dly	3	RUS	C	A1A			Moscow
SRAL	7041,0	1330- 1830	*	3	RUS	YU3Y	A1A			3 days
SRAL	7056,0	0530	2	3		UiMR	A1A			5BL
SRAL	7077,7	1430- 1500	4	3		UiVFT	F1B		1000	
SRAL	7061,5	1530- 1600	3	3	CHN	L9CC	A1A			Calls CP17
SRAL	7080,0	1520	22	3		UiMR	A1A			5F
SRAL	7081,0	1400- 1700	7, 8	3		UiVFT	F1B		250	
SRAL	7100,0	1800- 2100	dly	3	KRE	Voice of Korea	A3E			
SRAL	7100,0	*	dly	3	ERI	VoBME	A3E			0330 to 0600 & 1500 to 1805

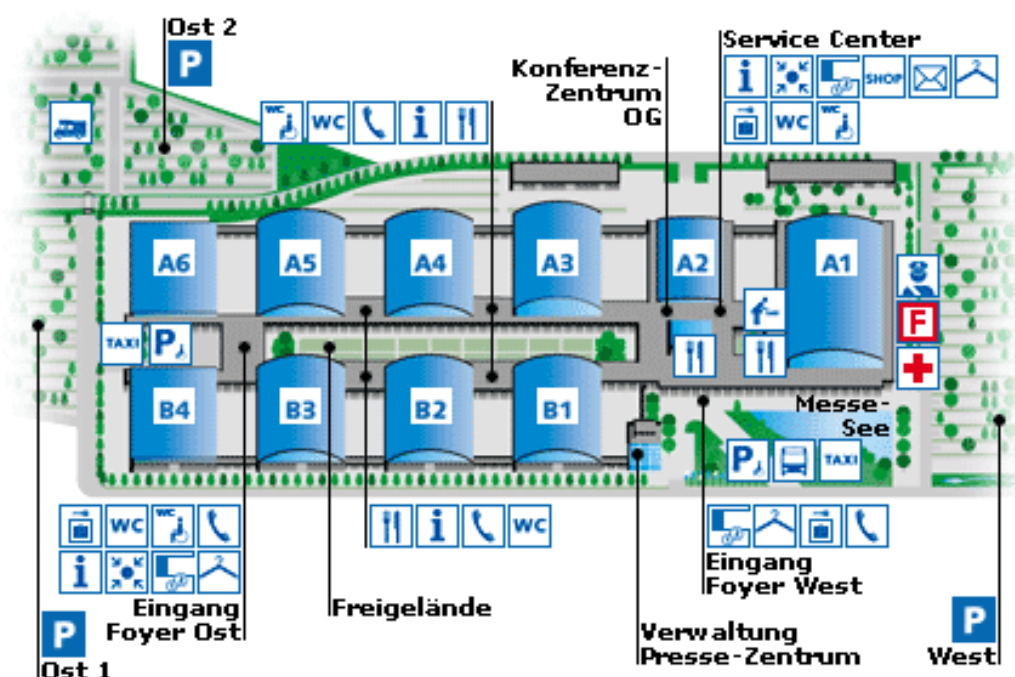
Veron – Netherlands – Part 1- PA0GRU (Dick)

SOC	kHz	UTC	DD	MM	ITU	IDENT	Mode	SH	DETAILS
VERON	3548,0	15.51	4	3	CIS	UiPtr	F1B	250	Ptr
VERON	3594,0	19.45	16	3	RUS	P	A1A		beacon P
VERON	7000,0	17.00	5	3	E	UiILL	J3E-U		male, Spanish fishery
VERON	7002,0	16.22	10	3	RUS	RGT77	A1A		RGT77 112= 5BL
VERON	7002,0	15.26	30	3	RUS	RGT77	A1A		RGT77 283=5BL
VERON	7010,0	10.00	1	3	CIS	UiPtr	F1B	250	Revs

SOC	kHz	UTC	DD	MM	ITU	IDENT	Mode	SH	DETAILS
VERON	7030,0	12.42	3	3	CIS	UiPtr	F1B		Ptr
VERON	7036,0	15.49	**	3		UiPtr	F1B		19.25 utc, 2 days, Ptr
VERON	7038,7	24H	**	3	UKR	D	A1A		24 days, beacon Sevastopol
VERON	7038,9	24H	**	3	RUS	C	A1A		24 days, beacon Moscow
VERON	7039,4	19.29	31	3	RUS	M	A1A		beacon, Madagan
VERON	7040,0	07.12	30	3	OK	OK0EU	A1A		beacon legal!
VERON	7040,0	07.13	30	3	Italy	IZ3DVW/B	A1A		beacon not cordinated
VERON	7041,0	16.16	3	3	CIS	1WMC	A1A		to BIIL: 5BL, Proc.
VERON	7041,0	17.29	28	3	CIS	UiCW	A1A		5BL
VERON	7041,0	17.29	28	3	CIS	YU3Y	A1A		to BGMS: 886 22 28 2102 886 202 5BL
VERON	7048,0	14.45	15	3	CIS	HPPO	A1A		5BL, Proc.
VERON	7048,0	14.54	15	3	CIS	BQQ8	A1A		BQQ8 659 33 15 1748 659 zll 056=/Proc.
VERON	7048,0	06.56	16	3	CIS	HPPO	A1A		HPPO 930 34 16 0950 930= znb 757 5BL
VERON	7048,0	06.43	19	3	CIS	BQQ8	A1A		to WBIZ: Proc.
VERON	7050,0	18.23	1	3	CIS	UiCW	A1A		5BL
VERON	7050,4	16.56	5	3	CHN	L9CC	A1A		CP17 de L9CC V k, (roundslip)
VERON	7055,2	16.06	10	3	CHN	L9CC	A1A		CP17 de L9CC V k, (roundslip)
VERON	7056,3	15.49	30	3	CHN	L9CC	A1A		19.22 utc, CP17 de L9cc V k (roundslip)
VERON	7057,5	06.30	15	3	CIS	10A8	A1A		to KI4C, MXVK,ZQV,V8EE,CVJQ,Z/Q- code
VERON	7057,5	06.30	19	3	CIS	10A8	A1A		5F (WX-type) Proc.
VERON	7057,5	13.22	29	3	CIS	10A8	A1A		to KI4C: 5F
VERON	7057,5	06.27	16	3	CIS	10A8	A1A		Proc. And 5F
VERON	7060,4	16.50	28	3	CHN	L9CC	A1A		CP17 de L9CC V k (roundslip)
VERON	7061,4	18.16	1	3	CHN	L9CC	A1A		CP17 de L9CC V k, 20.30 utc(roundslip)
VERON	7061,5	16.26	3	3	CHN	L9CC	A1A		CP17 de L9CC V k, (roundslip)
VERON	7062,3	18.50	26	3	CHN	L9CC	A1A		CP17 de L9CC V k (roundslip)
VERON	7064,0	16.23	3	3	CIS	BGPQ	A1A		Proc.
VERON	7065,2	17.32	14	3	CHN	L9CC	A1A		CP17 de L9CC V k (roundslip)
VERON	7065,3	16.27	14	3	CHN	L9CC	A1A		CP17 de L9CC V k
VERON	7065,9	15.56	31	3	CHN	L9CC	A1A		CP17 de L9cc V k (roundslip)
VERON	7066,0	18.46	26	3	CIS	UiCW	A1A		5BL
VERON	7066,0	17.16	27	3	CHN	L9CC	A1A		CP17 de L9CC V k (roundslip)
VERON	7068,3	16.29	13	3	CHN	L9CC	A1A		CP17 de L9CC V k (roundslip)
VERON	7068,6	14.50	2	3	CHN	L9CC	A1A		CP17 de L9CC V k, (roundslip)
VERON	7069,2	18.08	12	3	CHN	L9CC	A1A		CP17 de L9CC V k (roundslip)
VERON	7069,4	16.32	15	3	CHN	L9CC	A1A		CP17 de L9CC V k (roundslip)
VERON	7092,0	07.21	30	3			FSK8		
VERON	10130,0	18.01	7	3	CYP	OHTR	PON		pulses, radar, wide 10.120-10.144 MHz
VERON	14006,0	09.05	29	3	CIS	UiPtr	F1B	250	Revs/Ptr
VERON	14008,0	09.24	**	3	CIS	UiPtr	F1B	250	11.35 utc, 2 days, Ptr, parallel 14028 KHz
VERON	14008,0	11.35	1	3	CIS	UiPtr	F1B	250	Ptr, parallel 14028 KHz
VERON	14014,0	10.00	30	3	RUS	UiMUX	J7D		12 tone system
VERON	14019,0	09.37	23	3	CIS	UiPtr	F1B	250	Ptr
VERON	14050,0	09.33	1	3		UiCW	A1A		5BL
VERON	14092,0	09.15	26	3	RUS	RGT77	A1A		480=5BL
VERON	14092,0	06.28	8	3	RUS	RGT77	A1A		RGT77 505= 5BL
VERON	14092,0	09.28	13	3	RUS	RGT77	A1A		RGT77 732= 5BL
VERON	14104,0	09.10	**	3	CIS	UiPtr	F1B	250	12.56 utc, 2 days, Ptr
VERON	14106,0	18.10	12	3	CIS	UiPtr	F1B	250	Ptr
VERON	14120,0	08.56	**	3	RUS	UiPtr	F1B	250	10.00 utc, 2 days, Ptr
VERON	14120,0	09.42	13	3	CIS	UiPtr	A1A	250	Revs
VERON	14141,0	09.35	23	3	CIS	UiPtr	F1B		Ptr
VERON	14174,0	07.56	10	3	E	UiILL	J3E-U		female, Spanish
VERON	14204,0	8.55	30	3	CIS	UiPtr	F1B		Ptr, also 30-3 07.10 utc
VERON	14240,0	10.49	10	3		UiPtr	F1B	250	Ptr

SOC	kHz	UTC	DD	MM	ITU	IDENT	Mode	SH	DETAILS
VERON	18090,0	10.46	18	3	G/Cyprus	OHTR	PON		radar pulses, wide 18089-18112 KHz
VERON	18150,0	13.35	6	3	E	UiILL	J3E-U		male, Spanish fishery

Overview map – Hamradio 2007



IARUMS Region 1

Manual2005, Monitoring Template, WAV-files, Fishery Buoys on 10m, Latest Intruder News, Co-ordinator's Corner, Monthly Overview, Important Links, Contacts, Gallery, History of IARUMS Region 1, ITU Informations, the Story of Ron Roden's Life, Successful Actions and Soundfiles are available on:
<http://www.iarums-r1.org>

The monitoring team of IARU Region 1

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