

G3USF's Worldwide List of HF Beacons

Latest Update 3 December 22 2010

Freq	Call	Town	Loc	ERPw	Ant	Direct	Mode	Status
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IARU Region 1 discourages beacon operation on 1.8MHz

1836.2	SK2AU	Skelleftea	KP04LQ	0.4	LW		A1	?
1837	IW3FZQ	Monselice PD	JN55VF	8	Dipole			TEST
1840	OK0EK	Kromeriz	JN89QG	4	Vertical	Omni	A1 T	NonOp
1853	OK0EV	Near Prague	JN79EV	0.1	25m Vert	Omni	A1	PT
1995.6	XE3EOL		EL51HH				A1	?

IARU Region 1 discourages beacon operation on 3.5MHz

3577.0	IZ3DVW	Monselice	JN55VF	1.1	Inv V		A1	24
3579	DK0WCY	Scheggerott	JO44VQ	30	Dipole		A1	PT/zz
3579.8	SM2IUF	Kalix	KP15NU	QRPP				15-07UT
3594.5	OK0EU	Pruhonice	JN79GX	1	Mag Loop	N-S	A1	24qq
3600.0	OK0EN	Nr Kladno	JO70AC	0.15	Corner Dip	90/270A1		24
3693	VK6SH	West Perth WA						IRREG
5195.0	DRA5	Scheggerott	JO44VQ	30	dipole		A1	24zz
								psk,rtty
5258.6	OK1IF	Liberec	JO40HG	5				?
5290.0	GB3RAL	Nr Didcot	IO91IN	10<158uw	Vertical		A1	zzz
5290.0	GB3WES	Cumbria	IO84QN	10<158uw	Vertical		A1	zzz
5290.0	GB3ORK	Orkney	IO89JA	10<158uw	Vertical		A1	zzz

IARU Region 1 discourages beacon operation on 7MHz

7023}	ZS6SRL	Johannesburg	KG33WV	0.4				IRREG
7023}	ZS6YI	Johannesburg	KG33XH	0.4				IRREG
7023}	ZS4BFN	Bloemfontein	KG30DV	0.4				IRREG
7023}	ZS1AFU	Simonstownj	KF07HN	0.4				IRREG
7023}	ZS2LAW	Grahamstown	KF36GQ	0.4				IRREG
7023}	ZS1HMO	Somerset West	JF95PN	0.4				IRREG
7025	ZS1AGI	George Airport	KF16EA	0.2	1/2 Dipole	E-W	A1	QRT?
7028	OK1IF			0.25				?
7032	PU2NJL	Guarulhos SP	GG66RM					?
7035	VA3NDO	Toronto ON	FN03HR	grp				?
7038.500	OK0EU	Pruhonice	JN79GX	1	Mag Loop	N-S	A1	24
7039.6	IZ3DVW	Monselice	JN55VF	0.5	Inv V		A1	24
7040	HC1AKP							?
7050	HK3QQ	Bogota	FJ24XR	10	Dipole		A1	PT
7050	XE1KPB	DF					A1	TEMP

IARU Region 1 discourages beacon operation on 10MHz (DK0WCY excepted)

10123	HP1AVS	Cerro Jefe	FJ09HD	2.5	Slope Dip	Omni	A1	24
10129.5	W0ERE	HighlandvilleMO	EM36HX	3	G5RV	E-W	A1	INT
10130	OK1IF	Liberec	JO40HG	0.5			A1	?
10132.0	VE3TO	Nr Ottawa	FN25EG	5	1/4 Vert	Omni	A1	24
10133	SK6RUD	Oxaback	JO67KI	0.5	1/4 GP	Omni	A1	24
10134	OK0EF	Nr Kladno	JO70BC	.1/.2/.5	1/2 Vert	Omni	A1	24
10137.2	IK3NWX	Nr MonselicePD	JN55VF	4.2	Rot. Dip.	E-W	A1	24
10138.7	many WSPR beacons here							
10139V	IZ0NHV	Nea Smirni	JN61VL	0.2				?
10139.6	PY3PSI	Porto Alegre	GF49KX	1.6	Hor. Dip	N-S	A1	IRREG
10139.7	SV8GXC		KM17UW	0.08				?

10140.0 Numerous sub-audible QRPP/QRSS3/WSPR beacons around here
10140.1 including ILYRB, IW0HK, IK4IDP, I1DFS, IQ4FJ,
10140.1 IK0IXI Civitavecchia 45mw dipole ?
10140.07 IQ2DP San Donate MI JN45PJ 0.4 Vertical Omni 24
10140.6 DL5KZ Numbrecht JO30SU 0.1 Dipole A1 ?
10141.05 IKHGI Tricati JN45IK 0.1 Dipole QRSS3 24
10144 DK0WCY Scheggerott JO44VQ 30 Dipole A1,psk 24zz
rtty
10149.7 IZ8BZX Torre del Greco JN70ES .1/.5/1 whip Omni QRSS EXP
10150 IZ5ILH Firenze JN53PS 2 ?

14050 XE1KPB DF EK09KM A1 TEMP
14062 UA1AVA St Petersburg KO59EW 0.1 1/2 Dip A1 06-15UTC
14095 RN3RHO 0.5 ?
14097 WSPR beacons around here
14099 IZ0HCC Rome JN61FT ?

14100.0 4U1UN UN NY FN30AS 100-0.1 Vertical Omni A1 IBP cycle
14100.0 VE8AT Eureka, Nunavut EQ79AX 100-0.1 Vertical Omni A1 IBP cycle
14100.0 W6WX Mt Umunhum CA CM97BD 100-0.1 Vertical Omni A1 IBP cycle
14100.0 KH6WO Laie, Oahu BL11AP 100-0.1 Vertical Omni A1 IBP cycle
14100.0 ZL6B Nr Masterton RE78TW 100-0.1 Vertical Omni A1 IBP cycle
14100.0 VK6RBP Rolystone OF87AV 100-0.1 Vertical Omni A1 IBP cycle
14100.0 JA2IGY Mt Asama PM84JK 100-0.1 Vertical Omni A1 IBP cycle
14100.0 RR90 Novosibirsk NO14KX 100-0.1 Vertical Omni A1 IBP cycle
14100.0 VR2B Hong Kong OL72CQ 100-0.1 Vertical Omni A1 IBP cycle
14100.0 4S7B Colombo NJ06CR 100-0.1 Vertical Omni A1 IBP nonop
14100.0 ZS6DN Pretoria KG44DC 100-0.1 Vertical Omni A1 IBP cycle
14100.0 5Z4B Kiambu KI88MX 100-0.1 Vertical Omni A1 IBP cycle
14100.0 4X6TU Tel Aviv KM72JB 100-0.1 Vertical Omni A1 IBP cycle
14100.0 OH2B Lohja KP20BM 100-0.1 Vertical Omni A1 IBP cycle
14100.0 CS3B Santo da Serra IM12OR 100-0.1 Vertical Omni A1 IBP cycle
14100.0 LU4AA Buenos Aires GF05TJ 100-0.1 Vertical Omni A1 IBP cycle
14100.0 OA4B Lima FH17MW 100-0.1 Vertical Omni A1 IBP cycle
14100.0 YV5B Caracas FK06NK 100-0.1 Vertical Omni A1 IBP cycle
14101.0 R1ANF S. Shetland ANT GC07 100-0.1 ?
14103 IV3VOU Verzegnis UD JN66LJ ?
14161 ILYRB Torre Bert JN35UB 0.2 Vertical Omni QRSS3 24

18095.5 HP1AVS Cerro Jefe FJ09HD 2.5 Inv Vee A1 24
18100 IK6BAK Montefelcino JN63KR 1 Inv Vee Omni A1 24
18100 9H1LO Hosta, Malta JM75FV 0.5 G5RV psk 24
18101 VE3RAT Thornhill ONT FN03GL 1 Vertical Omni A1 24
18102 I1M Bordighera JN33UT 10 5/8 Vert Omni A1 24

18104.6 Many WSPR beacons around here
18109.25 IQ3VO Verona JN55LL 5 GP Omni A1 24
18110 DL0AGS Kassel JO41NL 10 GP Omni A1 24

18110.0 4U1UN U. Nations NY FN30AS 100-0.1 Vertical Omni A1 IBP cycle
18110.0 VE8AT Eureka, Nunavut EQ79AX 100-0.1 Vertical Omni A1 IBP cycle
18110.0 W6WX Mt Umunhum CA CM97BD 100-0.1 Vertical Omni A1 IBP cycle
18110.0 KH6WO Laie, Oahu BL11AP 100-0.1 Vertical Omni A1 IBP cycle
18110.0 ZL6B Nr Masterton RE78TW 100-0.1 Vertical Omni A1 IBP cycle
18110.0 VK6RBP 28k SE Perth OF87AV 100-0.1 Vertical Omni A1 IBP cycle
18110.0 JA2IGY Mt Asama PM84JK 100-0.1 Vertical Omni A1 IBP cycle
18110.0 RR90 Novosibirsk NO14KX 100-0.1 Vertical Omni A1 IBP cycle
18110.0 VR2B Hong Kong OL72CQ 100-0.1 Vertical Omni A1 IBP cycle
18110.0 4S7B Colombo NJ06CC 100-0.1 Vertical Omni A1 IBP cycle
18110.0 ZS6DN Pretoria KG44DC 100-0.1 Vertical Omni A1 IBP cycle
18110.0 5Z4B Kiambu KI88MX 100-0.1 Vertical Omni A1 IBP cycle
18110.0 4X6TU Tel Aviv KM72JB 100-0.1 Vertical Omni A1 IBP cycle
18110.0 OH2B Lohja KP20 100-0.1 Vertical Omni A1 IBP Cycle
18110.0 CS3B Santo da Serra IM12OR 100-0.1 Vertical Omni A1 IBP Cycle
18110.0 LU4AA Buenos Aires GF05TJ 100-0.1 Vertical Omni A1 IBP cycle
18110.0 OA4B Lima FH17MW 100-0.1 Vertical Omni A1 IBP Cycle
18110.0 YV5B Caracas FK60NK 100-0.1 Vertical Omni A1 IBP cycle

18112.4	IQ0LT	Latina LT	JN61KL						?
18140.1	9H1LO	Malta	JM75GE	2	Horiz Dip		psk31		24
21050	XE1KPB	DF	EK09KM				A1	TEMP	
21052.3	DL5KZ	Numbrecht	JO30SU	0.25	3-el Yagi 180		A1 EXP		24
21094.6	WSPR beacons around here								
21133.5	LU1DWE	La Plata BA		4	1/2 Dip		A1		24
21145.7	IZ3DVW	Nr Monselice	PDJN55VF	2.6	Inv. V Dip		A1		24
21149.5	IW9HMQ	Nr Catania	JM77MN						wkend
21150.0	4U1UN	UN New York	FN30AS	100-0.1	Vertical	Omni	A1	IBPcycle	
21150.0	VE8AT	Eureka,Nunavut	EQ79AX	100-0.1	Vertical	Omni	A1	IBP cycle	
21150.0	W6WX	Mt Umunhum	CM97BD	100-0.1	Vertical	Omni	A1	IBP cycle	
21150.0	KH6WO	Laie, Oahu HI	BL11AP	100-0.1	Vertical	Omni	A1	IBP cycle	
21150.0	ZL6B	Masterton	RE78TW	100-0.1	Vertical	Omni	A1	IBP cycle	
21150.0	VK6RBP	28k SE Perth	OF87AV	100-0.1	Vertical	Omni	A1	IBP cycle	
21150.0	JA2IGY	Mt Asama	PM84JK	100-0.1	Vertical	Omni	A1	IBP cycle	
21150.0	RR9O	Novosibirsk	NO14KX	100-0.1	Vertical	Omni	A1	IBP cycle	
21150.0	VR2B	Hong Kong	OL72CQ	100-0.1	Vertical	Omni	A1	IBP cycle	
21150.0	4S7B	Colombo	NJ06CC	100-0.1	Vertical	Omni	A1	IBP cycle	
21150.0	ZS6DN	Pretoria	KG44DC	100-0.1	Vertical	Omni	A1	IBP cycle	
21150.0	5Z4B	Kiambu	KI88MX	100-0.1	Vertical	Omni	A1	IBP cycle	
21150.0	4X6TU	Tel Aviv	KM72JB	100-0.1	Vertical	Omni	A1	IBP cycle	
21150.0	OH2B	Lohja	KP20	100-0.1	Vertical	Omni	A1	IBP cycle	
21150.0	CS3B	Santo da Serra	IM12OR	100-0.1	Vertical	Omni	A1	IBP cycle	
21150.0	LU4AA	Buenos Aires	GF05TJ	100-0.1	Vertical	Omni	A1	IBP cycle	
21150.0	OA4B	Lima	FH17MW	100-0.1	Vertical	Omni	A1	IBP cycle	
21150.0	YV5B	Caracas	FK60NK	100-0.1	Vertical	Omni	A1	IBP cycle	
21151.0	I1M	Bordighera	JN33UT	10	2 5/8 Vert	Omni	A1		24
21155.5	IQ0LT	Latina LT	JN61KL						?
21171	KA5FYI	Austin TX	EM10	1.25	1/4 Vert	Omni	A1	INT	
21241.50	I1YRB	Torre Bert (TO)	JN35UB	0.2	Vertical	Omni	QRSS3		24
21393.8	PY3PSI	Porto Alegre	GF49KX	4	Dipole	N-S	A1	INT	
24912	SK6RUD	Oxaback	JO67KT	0.5	GP	Omni	A1		24
24915.0	IQ6FU	Fano PU	JN63MU	5	Inv Vee	Omni	A1		24
24920.0	IY4M	Bologna	JN54QK				A1	H+30>H+60m	
24930.0	4U1UN	UN NY	FN30AS	100-0.1	Vertical	Omni	A1	IBP cycle	
24930.0	VE8AT	Eureka,Nunavut	EQ79AX	100-0.1	Vertical	Omni	A1	IBP cycle	
24930.0	W6WX	Mt Umunhum CA	CM97BD	100-0.1	Vertical	Omni	A1	IBP cycle	
24930.0	KH6WO	Laie, Oahu HI	BL11AP	100-0.1	Vertical	Omni	A1	IBP cycle	
24930.0	ZL6B	Nr Masterton	RE78TW	100-0.1	Vertical	Omni	A1	IBP cycle	
24930.0	VK6RBP	28k SE Perth	OF87AV	100-0.1	Vertical	Omni	A1	IBP cycle	
24930.0	JA2IGY	Mt Asama	PM84JK	100-0.1	Vertical	Omni	A1	IBP cycle	
24930.0	RR9O	Novosibirsk	NO14KX	100-0.1	Vertical	Omni	A1	IBP cycle	
24930.0	VR2B	Hong Kong	OL72CQ	100-0.1	Vertical	Omni	A1	IBP cycle	
24930.0	4S7B	Colombo	NJ06CC	100-0.1	Vertical	Omni	A1	IBP cycle	
24930.0	ZS6DN	Pretoria	KG44DC	100-0.1	Vertical	Omni	A1	IBP cycle	
24930.0	5Z4B	Kiambu	KI88MX	100-0.1	Vertical	Omni	A1	IBP cycle	
24930.0	4X6TU	Tel Aviv	KM72JB	100-0.1	Vertical	Omni	A1	IBP cycle	
24930.0	OH2B	Lohja	KP20	100-0.1	Vertical	Omni	A1	IBP cycle	
24930.0	CS3B	Santo da Serra	IM12OR	100-0.1	Vertical	Omni	A1	IBP cycle	
24930.0	LU4AA	Buenos Aires	GF05TJ	100-0.1	Vertical	Omni	A1	IBP cycle	
24930.0	OA4B	Lima	FH17MW	100-0.1	Vertical	Omni	A1	IBP cycle	
24930.0	YV5B	Caracas	FK06NK	100-0.1	Vertical	Omni	A1	IBP cycle	
24931	DK0HHH	Hamburg	JO53AM	10	Dipole	Omni	A1		24
24986	JE7YNQ	Fukushima	QM07	5	Dipole		A1		24
24990.0	I1YRB	Torre Bert(TO)	JN35UB	0.2	Vertical	Omni	QRSS3		24
28050	XE1KPB	Mdxico DF	EK09KN				A1	TEMP	
28110	F5KCK	Sartrouville	JN18CW				A1	ROBOT	
28165.9	XE2NS	Monterrey	EL05				A1		?
28167.2	LU3DBJ	Quilmes BA	GF05UG	3	Vertical	Omni	A1		24
28170	VA3XCD	Oshawa ON	FN03	5	OCF Dipole	Omni	A1		24
28175	VE3TEN	Ottawa ON	FN25	10	GP	Omni	A1		24

28175	TF3LB	Hafnarjorour							>
28176	PY2RFF	Sco Pedro SP	GG67AL	1.5	1/4 Vert	Omni	A1	24	
28176.9	HP1RCP	Cerro Jefe	FJ09HD	5	Slope Dip		A1	24	
28179	XE2AT	Aguascalientes	DL51UU				A1	?	
28180.3	I1M	Bordighera	JN33UT	5/20	2x5/8 Vert	Omni	A1	30/60min	
28182	VY0SNO	Iqaluit NU	FP53	15	1/2 Hor	DipNW/SE	MCW	24	
28182.4	SV3AQR	Amalias	KM07QS	4	GP	Omni	A1	24	
28183	XE1RCS	Mexico City	EK09				A1	?	
?									
28185	PU5ATX	V.N.Imbituba	GG51				A1	?	
28185	VA3SRC	Burlington ON		5	Dipole		A1	PT	
28185.5	IQ1GP						A1	24	
28187	VK5KV	Woomera SA	PF88JT	10	5/8 Vert	Omni	A1	24?	
28187.6	VE7KC	Penticton BC					A1	24	
28188	OE3XAC	Buschberg	JN78SB	10	7/8GP@792m	Omni	A1	24	
28188.9	SV5TEN		KM46CK					24	
28189	VA3YOO	Yarker ON	FN03	5	A99@25'	Omni	A1	?	
28190	LU3HFA	Cordoba CD	FF78UP)					24?	
28190	LU1XZ	Cordoba	FF78UP)						
28190.5	VA3ROR	Orillia ON	FN04EQ	5	Whip	Omni	A1	24	
28191.5	A62ER	Sharjah UAE					A1	?	
28192	LU8EML	Ensenada BA	GF18AD				A1	24?	
28192.9	VE4ARM	Austin MB	EM09HW	5	GP	Omni	A1	24	
28195	TA2TB			10				?	
28195.1	IY4M	Bologna	JN54QK	20	5/8 GP	Omni	A1	H>H+30m	
28196	VA3ITA	Bramton ON					A1	OP?	
28196.1	LU4JJ	Concordia ER	GF08XO				A1	24?	
28196.7	LU5FB	Rosario SF	FF97PB				A1	24	
28197.0	VE7MTY	Vancouver BC	CN89	5	Vertical	Omni	A1	24	
28197	LU2ERC	Ensenada	GF15AD	10	Vertical	Omni	A1	24	
28198.5	LU3ESO	La Plata BA	GF15AB	10	Dipole		A1	24	
28199.3	LU1FHH	El Trebol SF					A1	24	
28199.9	LU9FE	Rafaela SF	FF98GS				A1	?	
28200.0	4U1UN	UN New York	FN30AS	100-0.1	Vertical	Omni	A1	IBP cycle	
28200.0	VE8AT	Eureka,Nunavut	EQ79AX	100-0.1	Vertical	Omni	A1	IBP cycle	
28200.0	W6WX	Mt Umunhum CA	CM97BD	100-0.1	Vertical	Omni	A1	IBP cycle	
28200.0	KH6WO	Laie, Oahu HI	BL11AP	100-0.1	Vertical	Omni	A1	IBP cycle	
28200.0	ZL6B	Nr Masterton	RE78TW	100-0.1	Vertical	Omni	A1	IBP cycle	
28200.0	VK6RBP	28k SE Perth	OF87AV	100-0.1	Vertical	Omni	A1	IBP cycle	
28200.0	JA2IGY	Mt Asama	PM84JK	100-0.1	Vertical	Omni	A1	IBP cycle	
28200.0	RR9O	Novosibirsk	NO14KX	100-0.1	Vertical	Omni	A1	IBP cycle	
28200.0	VR2B	Hong Kong	OL72CQ	100-0.1	Vertical	Omni	A1	IBP nonop	
28200.0	4S7B	Colombo	NJ06CC	100-0.1	Vertical	Omni	A1	IBP cycle	
28200.0	ZS6DN	Pretoria	KG44DC	100-0.1	Vertical	Omni	A1	IBP cycle	
28200.0	5Z4B	Kiambu	KI88MX	100-0.1	Vertical	Omni	A1	IBP cycle	
28200.0	4X6TU	Tel Aviv	KM72JB	100-0.1	Vertical	Omni	A1	IBP cycle	
28200.0	OH2B	Lohja	KP20	100-0.1	Vertical	Omni	A1	IBP cycle	
28200.0	CS3B	Santo da Serra	IM12OR	100-0.1	Vertical	Omni	A1	IBP cycle	
28200.0	LU4AA	Buenos Aires	GF05TJ	100-0.1	Vertical	Omni	A1	IBP cycle	
28200.0	OA4B	Lima	FH17MW	100-0.1	Vertical	Omni	A1	IBP cycle	
28200.0	YV5B	Caracas	FK60NK	100-0.1	Vertical	Omni	A1	IBP cycle	
28201	N0AMY	ColoradoSprings	DM78OU				A1	24	
28201.057	Z1CQ	Jeddah	KL91ON	10			A1	24	
28202	N6DXX	Sacramento CA	CM98FM	5	Ringo@18'	Omni	A1	24	
28202	RX0AT	Krasnoyask	NO65KX					?	
28202.5	ZS1J	PlettenburgBay	KF15PF				A1	24	
28202.5	SR4TEN	Suchacz-Zamek	JO94RG	3			A1	?	
28202.5	N2RIT	Newark NJ	FN20VR				A1	24	
28203	PY2WFG	Ipisanga SP	GG66PO				A1	?	
28203	KA3BWP						A1	?	
28203.5	K6LLL	MissionViejo	CADM13EO				A1		
28204	WA2NTK	Big Flats NY	FN12NE				A1	24	
28204	W6CF	San Drancisco	CM87UU				A1	24	
38204	K3WJR	Wattsburg PA	FN02CA	0.85	A99 Vert	Omni	A1	?	

28205.0	DL0IGI	Hohenpeissenb'g	JN57MT	Varies	1/4 Vert	Omni	A1	24
28205	W9EFJ	Milwaukee WI	EN63AC				A1	24
28205.2	N3NIA	Nr Ridgway PA	FN01PK	4	Dipole		A1	24
28206.1	VA3GRR	Brampton ON	FN03	1.75	1/2 Vert	Omni	A1	24
28206.5	HP1RIS	Panama City		3	Vert Dip	Omni	A1	24
28208	KE6TE	Elk Grove CA	CM98HK				A1	24
28208	AK2F	Randolph NJ	FN20QT				A1	share
28208	WN2A	Budd Lake NJ					A1	WN2A
28208.1	JR0YAN	Nr Toyama	PM86JW	25	Hor. Loop		A1	24+++
28208.2	IZ3LCJ	S. Lucia di Piave	JN65DU	5	1/4GP@15m	Omni	A1	24
28208.5	NB7A	Reno NV	DM09	4	1/2 Vert	Omni	A1	24
28208.6	EI0TEN	Cobh, Co. Cork	IO51UU	50	Dipole	NW/SE	A1	TNonOp
28209	KH6AP	Kikei Maui HI	BL10SS	20	3/8 Vert	Omni	A1	24
28209.5	K9CW	Thomasboro IL	EN50WF	2	AR99@15'	Omni	A1	24
28210	3B8MS	Quatre Bornes	LG89TO	7	1/2 Vert	Omni	A1	24
28210	K4DPC	Wilmington NC	FM14	3	A99 U'ground ?		A1	24
28210	KB9WGA	Oak Lawn IL	EN61CR				A1	?
28210.5	VE4TEN	Winnipeg MB	EN19	2	1/2 Vert	Omni	A1	24
28211	DB0FKS	Nr Frankfurt/M		0.2	DV27 Vert	Omni	A1	24
28211	K5ARC	Galvez LA	EM40	20	Vertical	Omni	A1	24
28211.1	LA4TEN	Sotra I.	JP20LG	250	Vertical	Omni	A1	24
28212.5	K0KP	Fredenberg MN	EN36VW	0.5	GP	Omni	A1	24
28212.6	LU7DQP	Lanos Oeste BA	F05TH				A1	24
28213	KA7TBU	PE Ell WA	CN86NU				A1	OP?
28213	PT7BCN	Fortaleza CE					A1	OP?
28213.2	DM0ING	Ingelheim	JN49AX	10	GP	Omni	A1	24
28213.5	KE4KAA	Big Stone Gap	VAEM86OV	5			A1	24
28213.5	W3IK	Gray TN	EM86				A1	24
28214	N4PAL	Longwood FL	EL98HQ	5	Vert@4.5m	Omni	A1	24
28215	LU5EGY	Buenos Aires					A1	24
28215	KA9SZX	Paxton IL	EN50VD	1	Antron99	Omni	A1	OP?
28215	W4JPL	Liberty NC	FM05FV				A1	24
28215	GB3RAL	Nr Didcot	IO91IN	25	HorizDip	Omni	F1	24
28215.3	XE3D	Merida YUC	EL50EG				A1	24
28215.5	KD5CKP	Olive Branch	MS EM54				A1	24
28216	K3FX	Neptune City	NJFN20XE	7	1/2 Vert	Omni	A1	24
28216	N7MA	Rose Lake ID	DN17	5	Vertical	Omni	A1	24
28217	WB0FTL	Alden MN	EN33FP	5	AR10@25'	Omni	A1	24
28217	W6GY	Star ID					A1	
28217.5	WA1LAD	West Warwick	RIFN41FQ	4.5	J-Pole	Omni	A1	24
28218	IQ1SP	Monte Verrugoli	JN44VC	3	1/2 Vert	Omni	A1	24
28218.5	W5RDW	Murphy TX	EM12QX	5	AR10@25'	Omni	A1	24
28219	IW2DZX	Solbiate Olona	JN45KP	0.5	Delta loop			24
?								
28219	KA4RRU	Catlett VA	FM18EN				A1	24
28219.9	KB9DJA	Mooreville IN	EM69RO	35	GP	Omni	A1	24
28220	5B4CY	Zygi	KM64PR	26	GP	Omni	F1	24
28220	W8VO	Sterling Hts	MIEN82NU	5	Vert@50'	Omni	A1	24
28220.4	WK4DS	Trenton GA	EM74FU	2	Dipole	NE-SW	A1	24
28221.5	KC0TKS	Sedalia MO	EM38IQ	5	J-poleVert	Omni	A1	24
28222	TP2CE	Strasbourg	JN38VO	450mw	GP R-7000	Omni	A1	24
28222	7Z1SJ		LL25	10			A1	?
28222	IZ0KBA	Castel Madarna	JN61KX	1	GP 350m asl	Omni	A1	24
28222.5	K2SIT	Buffalo NY	FN02OU	5	GP	Omni	A1	24
28223	WY5B	Biloxi MS	EM50NK				A1	24
28223	9H1LO	Malta	JM75	8	GP		A1	24
28223	KP3FT	Ponce PR		4	Vertical	Omni	A1	24
28223.2	KC6UFE	Chico CA	CM99BS	20	VertDip@30'	Omni	A1	TNonOp
28223.5	WD0AKX	Albert Lea MN	EN33	5	Vertical	OMNI	A1	24
28224	F5SN	Dole	JN27RB	5	3-el Yagi	240 Multi		24
28224	LU7JCN	La Plata	GF15AB				A1	OP?
28224.2	YB9BWN	Denpasar, Bali	OJ13FK	2	Dipole	EU/VK	A1	24
28224.7	HA5BHA	Nr Budapest	JN97KO	5		Omni		24
28224.8	KW7Y	Marysville WA	CN88SD	4	Vertical	Omni	A1	24

28225	CS5BTEN	Cacem, Sintra	IM58IS	10	Vertical	Omni	A1	24
28225	K6FRC	Tracy CA	CM97GP		Vertical	Omni	A1	24ff
28225	K5GJR	CorpusChristi	TXEL17HR				A1	24
28225	XE3D	Merida	EL50				A1	24?
28225.5	W2DLL	Buffalo NY	FN02OU	5	Vertical	Omni	A1	24
28226.6	KC6WGN	Las Vegas NV	DM26LD	10		Omni	A1	24
28225.6	WB0LYV	Beatrice NE					A1	?
28226.5	N7MSH	North Powder OR					A1	?
28226.9	IT9EJW	Catania	JM77NN	3				24
28227.3	KJ4ECD	Fuquay-Vanina	NCCEM84DG				A1	?
28227.7	IW3FZQ	Monselice PD	JN55VF	5	J-Pole@20m	Omni	A1	24
28227.8	N2NXZ	Canadea NY	FN02WJ	3	Vertical	N-S	A1	24
28228	ZL3TEN	Rolliston	RE66	20	1/2 Vert	Omni	A1	24
28229	ZL2MHF	Nr Wellington	RE78NU	10	1/2 Vert	Omni	F1	24
28229	WA3ZKO	Baltimore MD	FM19RI				A1	OP?
28229	NR5A	Box Elder SD	DN84LC	1	Vertical	Omni	A1	24
28230	WA4ZKO	Dry Ridge KY	EM78PP	4	A99	Omni	A1	24
28230	OH5SHF	Kouvola	KP30HV	6	H Dipole	20/200	F1	24
28230	IQ8CZ	Catanzo	JM88HV	10	GP	Omni	A1	24
28230?	KI4AED	Ocoee FL	EL98FN	5	Antron 99	Omni	A1	24
28230	KQ4TG	Leland NC	FM40XF				A1	24
28230.5	HP6RCP	Santiago	EJ98MB	3	AR99	Omni	A1	24
28231	K7YSP						A1	OP?
28232	N1FSX	Simla CO	DM89AC	5	Vertical	Omni	A1	24
28232	KI7AB	Rio Mancho NM	DM65QG				A1	?
28232.6	N9BPE	Tuscaloosa IL	EM59UT	2	1/2Dip@20'	Omni	A1	24
28232.7	N2MH	West Orange NJ	FN20UT				A1	24
28233	N2UHC	St Paul KS	EM27JM	4	Vert Dip	Omni	A1	24
28233	I0KNQ	Genzano di Roma	JN61FU	2	Turnstile	Omni	A1	24
28233.5	N9RET	N Riverside IL	EN61BU	7	IndoorDip		A1	24
28234	K4DP	Covington VA	FM07AR				A1	24
28234	KA0SWT	Pueblo CO	DM78QG	10			A1	24
28234.9	EA2ZRA	Zaragoza	IN91NP				A1	?
28235	KI4AED	Ocoee FL	EL98FN	5	Antron 99	Omni	A1	24
28235	RN6HFE		LN14NB					
28235.2	VE1CBZ	KeswickRidge	NBFN65	2	A99 Vert	Omni	A1	24
28235.5	W4GZV	Southlake TX	EM12KW	5			A1	24
28235.6	VE3GOP	Mississauga ON	FN03GD	0.2	A99 Vert	Omni	A1	24
28236	W8YT	Martinsburg WV	FM19AJ	5	Vertical	Omni	A1	24
28236.5	W0KIZ	Nr Denver CO	DM79	5	Vertical	Omni	A1	24
28237	N7JS	Ogden UT	DN41AE	2	Horiz Whip	Omni	A1	24
28237.6	LA5TEN	Nr Oslo	JO59JP	15	1/2 Vert	Omni	A1	24
28237.8	N4ES	Clearwater FL	EL83PA	20/2/.2/02	Vert	Omni	A1	24
28238	KB2SEO	Eton GA	EM74OT	5	1/4 GP	Omni	A1	24
28239	VA7PL	Kelowna BC	DM09	2	Vertical	Omni	A1	24
28239	IZ2DAY	Cernusco MI	JN45PM	10	GP	Omni	A1	24
28239	IK0ZRR	Rome	JN61FU	5	Vertical	Omni	A1	EXP
28239.2	AL7FS	Anchorage AK	BP51AD	3	1/2 Vert	Omni	A1	PT
28239.7	AB5WG	Bulverde TX	EM12	4		Omni	A1	24
28239.8	N4LEM	Cocoa FL	EL98	50	Vertical	Omni	A1	?
28240	SV2JAO		KN10DN				A1	?
28240	XE3OAX	Ocotlan, OAX	EK17PA	0.5?	+ sev.spurii		A1	24
28240.5	N2DWS	PortRepublic	NJ FM29SM				A1	24
28242	IZ8DXB	Naples	JN70LN	6			A1	?
28240.6	YO2X	Timisoara	KN05PS	2	GP	Omni	A1	09-15UT
28240.7	AJ8T	Sturgis MI	EN71HS				A1	24
28241	KH6XS	Pahrump NV	DM26	20			A1	?
28241.5	F5ZUU	Malataverne	JN24IL	5	1/2 Vert	Omni	A1	24
28241.5	K5DZE	Dry Ridge KY	EM78QS	5			A1	24
28242.5	WD9CVP	Elgin IL	EN52UA				A1	24
28243	KB1QZY	Springfield MA	FN32QC	2	Imax2000 V	Omni	A1	24
28243	KC4TM	N.Fort Myers	FL EL96BQ	10	GP	Omni	A1	24
28243	F5ZWE	Foix	JN02TW	15	Vert Dip	Omni	A1	24

28243.3	F5TMJ	Nr Toulouse	JN03SM	5	Horiz Loop	Omni	A1	TNonOp
28244.0	WA6APQ	Long Beach CA	DM13	30	Vertical	Omni	A1	24
28244.8	IT9DTV	Messina	JM78SD	8	GP	Omni	A1	24
28245	N8RT	BlairsvilleGA	EM84	5	GP	Omni	A1	24
28246	VE9BEA	Crabbe Mntn NB	FN66	6	AR10@43'	Omni	A1	24
28246.0	KG2GL	Nutley NJ	FN20UT	5	R5Vert @40'	Omni	A1	INT
28247	K4DYR	Newbern TN	EM56JB				A1	
28247.9	N1ME	Bangor ME	FN54PS	5			A1	24
28248	K1KUZ	Winsted CT					A1	?
28248.5	K5DDJ	San Antonio TX	EL09	0.5	GP	Omni	A1	24
28249	N7LT	Bozeman MT	DN45LQ	4/.4/.04	1/2 GP	Omni	A1	24
28249.5	PY3PSI	Porto Alegre	GF49KX	2.8	GP	Omni	A1	IRREG
28249.7	KA3JOE	Bensalem PA	FN29MB				A1	?
28249.8	K8NDB	Somerton AZ	DM22QQ	4	1/4 Vert	Omni	A1	24
28249.9	W3ATV	Trebose PA	FN20	1	Dipole		A1	24
28250)	N4ES	Tampa FL	EL88TA	20/2/.2/.02	Horiz		A1	SYNCH)n
28250	N4ESS	Zephyrhills FL	EL88VG				A1	SYNCH)n
28250)	WB4WOR	Greensboro NC	FM06BT	20/2/.2/.02	Hor		A1	SYNCH)n
28250)	K7EK	Graham WA	CN87TB	25	1/2 Vert	Omni	A1	SYNCH)n
28250)	N4ES	Clearwater FL	EL88PA	20/2/.2/.02	Horiz		A1	SYNCH)n
28250	K6FRC	Tracy CA	CM97GP	100	Vertical	Omni	A1	24££
28250	K0HTF	Des Moines IA	EN31DO	3	Inv.V@10'		A1	24
28250	EA3TEN	Lleida	JN01VO	10	5/8 Vert.	Omni	A1	24
28250.1	Z21ANB	Bulawayo	KG47	8	GP	Omni	F1	24
28250.5	N9PAR	Green Bay WI	EN54XM	2	Dipole	N-S	A1	14
28250.8	W3IK	Gray TN	EM86	0.5	Vert@10'	Omni	A1	TNonOp
28251	N5ZTW	DrippingSprings TX					A1	?
28252.3	K8ATI	IL		2	Ringo@12'	Omni	A1	24
28252.5	W6PC/4	Ocala FL	EL89VD	10	Dipole	Omni	A1	24
28253	N3BSQ	Bethel Park PA					A1	?
28253	KG4YUV	Crandall GA	EM74OW	7	A99 Vert	Omni	A1	24
28253	K8HWW	Warren MI						
28254.3	N1FCW	ME					A1	?
28254.5	K5AHH	Broken Bow OK	EM24PA	5	AR10@20'	Omni	A1	24
28255	NN6AA	Redding CA	CN80SN				A1	?
28255	RN3ARA							?
28255	N0AR	St Paul MN	EM73SW	0.125	1/2 Vert	Omni	A1	24
28255.5	K8HWW	Warren MI	EN82MN				A1	
28256	C30P	Andorra	JN02SM	10	R5 Vert@2m	Omni	A1	24
28256.5	VK3RMH	25kNEMelbourne	QF22OH	20/2	1/2 Vert	Omni	A1	24
28256.5	K9JHQ	O'Fallon IL	EM58AM	10	Vertical	Omni	A1	24
28257V	KB4UPI	Bessemer AL	EM63MG				A1	24
28257.5	DK0TEN	Konstanz	JN47NT	20	GP	Omni	F1	24
28257.5	N5WYN	Seven Points TX					A1	
28257.8	WY5I	Port St KucieFL	EL96	5	7db Coll.	Omni	A1	07-2200LT
28257.9	NV4B	RussellvilleAL	EM64DM		Vert@60'	Omni	A1	24
28258	WB5QYT	Albuquerque NM	DM65RD	5	Vert Dip	Omni	A1	24
28259	AB8CL	Arcanum OH					A1	
28259	KC6WLS	FRanklin TN					A1	24
28259	F5ZVM	Valenciennes59	JO10PA	5	3dbi Vert	Omni	A1	24
28259.3	VK5W1	Adelaide	PF95HG	10	GP	Omni	A1	24
28260	AD5KO	Mena AR	EM24VS	20	Vert@20'	Omni	A1	24
28261.0	N7LF	Corbett OR	CN85VI				A1	24
28261.5	N4VBV	Sumter SC	EM93TW	5	Attic Dip		A1	24
28261.6	RK3XWA	Kaluga	KO84DM					?
28261.8	VK2RSY	Sydney	QF56MH	25	1/2 Vert	Omni	A1	24
28262.3	K8TK	Clarklake MI	EN72TC	2	GP@15'	Omni	A1	24
28262.5	WF4HAM	Altamonte Springs FL	EL95HP	6	A99@40'	Omni	A1	INT
28263	EA4Q	Cuneca	IN80WC	80	GP	Omni	A1	24
28263.5	W4JPL	Liberty NC	FM05EW	4			A1	24
28264.0	AB8Z	Parma OH	EN91DJ	5	5/8 Vert	Omni	A1	24
28264	VK6RWA	Carine WA	OF78WB	20	5/8 Vert	Omni	A1	24
28264.5	K7NWS	Kent WA	CN87TK	1	GP	Omni	A1	24

28264.5	W5ZA	Shreveport LA	EM32DJ	3	Vert Dip	Omni	A1	24
28265	DF0ANN	Moritzberg Hill	JN59PL	5	Dipole	E-W	A1	24
28265.4	KR4HO	Lake City FL	EM80QG				A1	?
28265	NC4SW	Zebulon NC	FM05				A1	24
28266.2	KB3ZI	Bloomsberg PA					A1	24
28266.5	KA1EKS	Millinocket ME	FN5500	4	A99 GP	Omni	A1	24
28266.6	WN5KNY	RadiumSprings	NMDM62LP				A1	24
28267	VK7RSC	Hobart TAS	QE37MA	10	Vartical	Omni	A1	24
28267.5	W5EFR	Houston Tx	EL29EW	2.75			A1	24
28267.6	OH9TEN	Pirttikoski	KP36OI	20	1/2 GP	Omni	A1	24
28268	KB0QZ	Centralia MO	EM39WE	5	Vertical	Omni	A1	24
28268.3	VK8VF	Darwin NT	PH57KP	25	1/4 Vert	Omni	A1	24
28268.5	KG4GXS	CoralSprings	FL EL96UG	3	Dip@23'	E-W	A1	24
28268.6	K7ZS	Hillsboro OR	CN85MM				A1	24
28268.9	AA1TT	Claremont NH	FN33	5			A1	24
28269.5	W3HH	Nr Ocala FL	EL89VB	6	Hamstick	Omni	A1	24
28270	VK4RTL	Townsville	QH30JS	5	Vertical	Omni	F1	24
28270.9	N1KON	Centerville IN	EM79LT	5	Vertical	Omni	A1	24
28273.0	PY4MAB	Pocos de Caldas	GG68RE	2	Dipole		A1	24
28271.7	W4TIY	Dallas GA	EM73OW	4	1/4over5/8	Omni	A1	24
28272.5	K5BTW	Cumming GA	EM74	0.25	HF6V Vert	Omni	A1	24
28273}	AC4DJ	Apopka FL	EL98GP	50	A99 Vert	Omni	A1	24
28274	WA5DGI	Casper WY	DN62TT	5	5/8 Vert	Omni	A1	24?
28274.7	N0UD	Halliday ND	DN87SH				A1	24
28275	K6FRC	Mt Diablo CA					A1	24FF
28275	KG4GVV	Summerville SC	EM93		Vertical	Omni	A1	24
28275.7	XE1AKM	Alvarez(Colima)					A1	24
28276}	K4UKB	Danville KY	EM77NP	10	5/8 Vert	Omni	A1	SYNCHx
28276}	K4FUM	Stone Mtn GA					A1	SYNCHx
28276.5	XE2YBG	Victoria Tamaulipas	EL03				A1	?
28277	WB7RBN	Pasco WA					A1	24
28277	WD8AQS	Fremont MI	EN73AL				A1	24
28277.3	KD4MZM	Sarasota FL	EL87RG	3	Ringo@15'	Omni	A1	24
28277.6	DM0AAB	Kiel	JO54GH	10	GP	Omni	F1	24
28278	WA4OTD	Carmel IN		5	Indoor Dip		A1	24
28278.2	KE4IFI	Lexington SC					A1	24
28278.5	WA6MHZ	Crest CA			Ringo@20'	Omni	A1	24
28279	DB0UM	Schwedt	JO73CE	2	SlopeDipV	Omni	A1	24
28280	KA3NXN	Charlottesville	FM08SA				A1	24
28280.0	K5AB	Goldthwaite TX	EM10DH	20	5/8 GP@45'	Omni	A1	24
28280	PU5AAD	Nova Brasilia	GG51PS	10			A1	OP?
28280	N6SPP	Concord CA	CM97	10	Vert Dip	Omni	A1	24
28280.5	WB6FYR	Quartz Hill CA	DM04VP	10	5/8 Vert	Omni	A1	24
28281	W8EH	Middletown OH	EM79TL	7.5	Vert@40'	Omni	A1	24
28281.5	W4HEW	Millegeville	GA EM94LX				A1	24
28282	LA6TEN	Kirkenes	KP49XQ	10/1/.1		Omni	A1	OP?
28282	XE2ES	Mexicali	DM22RP				A1	24
28282.5	KD0GZJ	Loveland CO	DN70KJ				A1	24
28282.6	OK0EG	Hradec Kralove	JO70WE	10	GP	Omni	F1	24
28282.8	W0ERE	Fordlan MO	EM36	5	Vertical	Omni	A1	24
28283	K7YSP	Gainsville GA	EM84AH				A1	24
28283.6	KC9GNK	Madison WI	EN53	4	Inv Vee		A1	24
28284	K2XG	Monticello KY	EM76NU		V.Dip@25'	Omni	A1	24
28284	IZ0CWW		JN61VL	3			A1	24
28284.5	KB9NK	Hudsonville MI	EN72BU				A1	TNonOp
28284.8	WD8AQS	Fremont MI	EN73AL	5			A1	24
28285.0	VP8ADE	Adelaide I.	FC52WK	10	1/4 Vert	Omni	A1	24
28285.8	WA4ROX	Largo FL	EL87	0.75			A1	24
28286	WI6J	Bakersfield CA	DM05JJ	5	Vertical	Omni	A1	24
28286	N5AQM	Chandler AZ	DM43AH	2	Vertical	Omni	A1	24
28286	W0ILO	ND					A1	
28287	W6WTG	Bakersfield CA	DM05MJ				A1	24
28288.0	WA7LNW	Hurricane UT	DM37ID	5	FWave Loop	EU/PAC	A1	24
28288	K4LJP	W Palm Beach	FL EL96	5	AR99@30'	Omni	A1	24

28289	KB9WA	Egg Harbor WI						A1	
28289.0	WJ5O	Nr Columbus AL	EM72NE	2	Yagi	NE	A1	24	
28289.5	N1KXR	Medway MA	FN32	5			A1	24	
28289.8	VR2TEN	Hong Kong	OL72	5	1/4 GP	Omni	A1	24	
28289.8	W0ERE	HighlandvilleMO	EM36HX		Varies	Varies	A1	24	
28290	N6UN	San Diego CA	DM12	5			A1	24	
28290.4	SK5AE	Strangnas	JO89KK	50	GP	Omni	A1	24	
28290.3	WB4WOR	Randleman NC	FM06BT	3	Vertical	Omni	A1	24	
28291.7	KO6BB	Merced CA	CM97SH	12	A99	Omni	A1	TEST	
28292.0	VA3VA	Windsor ON	EN82	5	Horiz Dip		A1	24	
28292.5	KM4GS	KentuckyLakeKY	EM56	0.5	Vertical	Omni	A1	24	
28292.5	SK0CT	Sollentuna	JO89XK	10	GP	Omni	A1	24	
28292.8	K7GFH	Damascus OR	CN85SJ	3	Attic Dip		A11	24	
28293.4	ND4Z	Gilbert SC	EM94JA	5	5/8@40'	Omni	A1	24	
28293.7	W4DJD	Woodbridge VA	FM18HP				A1	24	
28294	SM5HUA	Uppsala	JP80WA	100	Vertical	Omni		?	
28294	KE4IAP	Woodbridge VA	FM18HP				A1	24	
28295	KD1ZX	CentralFallsRI	FN41HV	4	Vert@10'	Omni	A1	24	
28295	PU5ATX	Santa Catarina	GG51PR		Dipole		A1	06-2350	
28295.1	SK2TEN	Kristineberg	KP08FC	5	Vertical	Omni	A1	24	
28295.5	K4IT	Flatwoods KY	EM64RQ	3.5	Dipole		A1	24	
28295.5	IZ0CWW	Cervaro FR	JN61VL					24	
28295.8	W3APL	Laurel MD	FM19NE	10	Hor.Dipole	NE/SW	A1	24	
28296	KA7BGR	CentralPointOR	CN82				A1	24	
28297.1	NS9RC	Winnetka IL	EN62DC	8	1/2 Vert	Omni	A1	24	
28297.5	SK7TEN	Lonneberga	JO77UM	15	GP	Omni	A1	24	
28298.0	V73TEN	Roi Namur I	RJ39RJ		Horiz OA50	Omni		?	
28298	K5TLL	Hattensburg MS		5	Vertical	Omni	A1	24	
28298.5	K7FL	BattleGroundWA	CN85SS	4	Horiz Loop		A1	24	
28298.6	K4JDR	Raleigh NC	FM05	10	Vertical	Omni	A1	24	
28299	N1SCA	Palm Bay FL	EL97QX				A1	?	
28299.5	N3TW	Jim Thorpe PA							
28300	K6FRC	Sutters Mntn CACM99					A1	24	???
28300	UX1UX							?	
28300.1	IW0HBY	Rome	JN61DM	10				?	
288300	KF4MS	Tallahassee FL	EM70VM	1	A99@25'	Omni	A1	24	
28301.0	PI7ETE	Amersfoort	JO22QD	0.5	Vertical	Omni	F1A	24	
28320.97	IZ8HUJ	Pignola PZ	JN70VN	0.4	Windom			?	
28321.00	I1YRB	Torre Bert (TO)	JN35UB	0.2	Vertical	Omni	QRSS3	24	
28321.2	IS0GOV	Cagliari	JM49NF	0.3	Vertical	Omni	QRSS3	24	
28321.2	IK3ERY	Vittorio Veneto	JN65DX	0.1	Vertical	OMNI	QRSS3	24	
28321.47	IZ1GJH	Casarza Lig GE	JN44RG	0.1	Vertical	Omni	QRSS3	24	
28321.65	IN3KLQ	Nr Trento	JN56RG	0.3	Vertical	Omni	QRSS3	24	
28321.7	IW4EMG	Ferrara	JN54RU	0.1				QRSS3	24
28321.8	I3GNQ	Tencarola PD	JN55VJ	0.4	GP	Omni	QRSS3	24	
28321.85	IK0IXI	Aprilia LT	JN62VB	0.1	Dipole@30m	NE/SW	A1/F1	24	
28321.86	IZ8JFA	Cosenza	JM89CH	0.3		N/NE	QRSS3	24	
28321.93	IK1ZYW	Torino	JN35TC	0.01	Vertical	Omni	QRSS3	24	
28321.9	IZ8HHW								
28321.94	IW9BAJ	Sicily	JM77NO	1				QRSS3	24
28321.95	IW0HK	Civitavecchia	JN52WD	1/.1	Dipole	Omni	QRSS3	24	
28321.95	IT1TAA	Nr La Spezia	JN54AC	0.1	Dipole	NW	QRSS3	24	
28322.01	IW1QIF	Davagna-Genova	JN44LL	0.1	Long Wire		QRSS3	24	
?									
28322.04	IT9YAF	Canicatti	JM67WI	0.1	Vertical	Omni	QRSS3	24	
28322.05	IK1HGI	Trecate	JN45IK	0.1	Dipole	NNW/SSE	QRSS3	24	
28322.08	IS0GSR	Nr Cagliari	JM49IN	0.1	Dipole	N-S	QRSS3	24	
28322.11	IK8YTN	Salerno	JN70LG	0.1	Inv V	E-W	QRSS3	24	
28322.18	IZ0HCC	Roma	JN61FT	0.1	Vertical	Omni	QRSS3	?	
28322.2	IK8SUT	Salerno	JN70JQ	0.1	Inv V	E-W	QRSS3	24	
28322.2	IW7DEC	Nr Bari	JN81GF	0.1	1/2 Vert	Omni	QRSS3	24	
28322.32	IW9FRA	Trapani,Sicily	JM68HA	0.1	Dipole	N-S	QRSS3	24	
38322.36	IW3SGT	Trieste	JN65VP					QRSS3	24
28322.45	IW4EMG	Nr Ferrara	JN54RW		Vertical	Omni	QRSS3	?	

28322.5 F1VJT StGermain/Puoh JN33 0.1 ?
 28322.62IK1BPL Novara JN45HK 0.1 GP NNW/SSE QRSS3 24
 28322.63IK0VVE Nr Latina JN61KN 0.1 Dipole NNW/SSE QRSS3 24
 28322.7 G3ZJG Nr Leicester QRSS3 PT

?= Activity uncertain INT= Intermittent PT=Part-time IRREG= Irregular
 UC=Under Construction (T)NonOp=(Temporarily)NotOperational OP?=Operational?
 V= Varies EXP=Experimental WkEnd=Weekends during daylight LT=Local Time
 SYNCH= frequency sharing synchronised beacons: SYNCHn current sequence
 N4ESS(0.00seconds), N4ES(0.20) WB4WOR (0.30) K7EK(0.40) N4ES(0.50). SYNCHx:
 K4UKB ID at 00 seconds and K4FUM at 30 seconds. ££ K6FRC transmits on 28245,
 28250, 28300

+++ 10 minutes constant carrier followed by ID

zzz These beacons transmit in sequence at 15-minute intervals: GB3RAL on the
 hour and H+15m, H+30, H+45. GB3WES at H+1, H+16 etc and GB3ORK at H+2, H+17
 etc. Transmissions have a stepped power sequence and a 30-second sounder
 sequence of 0.5ms pulses at 40Hz prf

Schedule of IBP/NCDXF Beacon Transmissions

Country	Call	Frequency				
		14100	18110	21150	24930	28200
United Nations NY	4U1UN	00.00	00.10	00.20	00.30	00.40
Northern Canada	VE8AT	00.10	00.20	00.30	00.40	00.50
USA (CA)	W6WX	00:20	00.30	00:40	00.50	01:00
Hawaii	KH6WO	00.30	00.40	00.50	01.00	01.10
New Zealand	ZL6B	00.40	00.50	01.00	01.10	01.20
West Australia	VK6RBP	00.50	01.00	01.10	01.20	01.30
Japan	JA2IGY	01.00	01.10	01.20	01.30	01.40
Siberia	RR90	01.10	01.20	01.30	01.40	01.50
China	VR2HK	01.20	01.30	01.40	01.50	02.00
Sri Lanka	4S7B	01.30	01.40	01.50	02.00	02.10
South Africa	ZS6DN	01:40	01.50	02:00	02:10	02:20
Kenya	5Z4B	01.50	02.00	02.10	02.20	02.30
Israel	4X6TU	02:00	02:10	02:20	02.30	02:40
Finland	OH2B	02:10	02:20	02:30	02:40	02:50
Madeira	CS3B	02.20	02.30	02.40	02.50	00.00
Argentina	LU4AA	02:30	02:40	02:50	00.00	00:10
Peru	OA4B	02.40	02.50	00.00	00.10	00.20
Venezuela	YV5B	02:50	00.00	00:10	00:20	00:30

IBP = International Beacon Project. Beacons transmit for ten seconds on each
 frequency in turn in the sequence shown above. They send callsign at 22 wpm
 and 100 watts, then four 1-second dashes at 100w, 10w, 1w and 0.1w.
 Equipment is TS-50, Cushcraft R-5 multiband vertical and a Trimble Navigation
 GPS receiver to ensure synchronization, with a control unit built by NCDXF.

DK0WCY/DRA5

zz DK0WCY 3579 operates 0720-0900UTC and 1600-1900UTC LOCAL time (ie UTC+1
 winter and UTC+2 summer) DRA5 and DK0WCY on 10144 are 24/7. Transmissions on
 3579 are cw only, with beacon id interrupted at ten minute intervals by a
 datagram giving the Kiel K, current fof2 and MUF at Juliusruh and indications of current solar-geophysical events. DRA5 and
 DK0WCY on 10MHz carry the cw datagrams but, at 10 minutes after the hour
 the datagram transmission is on RTTY and contains additional information
 on x-ray background and hf2, using RTTY. The H+50 transmission is PSK31(BPSK)
 is used.

During auroral events the carrier at the end of the ID changes to a series of dots.

See also www.dk0wcy.de.

OK0EU

OK0EU is a cluster of five high-stability transmitters with 4Hz separation, running for multipoint measurement. The callsign is sent 40Hz up to identify ionospheric echoes. Output power 1 watt to dipole radiating N-S. Transmitters are on 3594.492 at Vackov (JO60EF), 3594.496 Diouha Louka (JO60TP), 3594.500 Panska Ves (JO70GM), 3594.504 Pruhonice (JN79GX), 3594.508 Kasperske Hory (JN69SD)

Please notify errors/changes to Martin Harrison G3USF, HF Beacon Coordinator, Region 1 of the International Amateur Radio Union, [g3usf\(@\)yahoo.co.uk](mailto:g3usf@yahoo.co.uk) Copyright Martin Harrison 1995-2010. Free reproduction for non-commercial use, providing acknowledgement made to G3USF.