

G3USF's Worldwide List of HF Beacons

网络收集, 仅用于爱好者学习交流使用, 严禁用于商业用途。BG3TQS 辛巴 QQ: 1227441189

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

1805	VP8VHF						IRREG
1853	OK0EV	Near Prague	JN79EV	0.1	25m Vert	Omni	A1 PT
1875	DL3KR		JO63LV	5	Dipole		A1 PT

IARU Region 1 discourages beacon operation on 3.5MHz (DK0WCY, OK0EU OK)

3575	YO8RIX	Nr Dorohoi	KN37FW	300mw	Lazi Loop	Omni	A1	24
3576.8	IZ3DVW	Monselice	JN55VF	0.5	Inv V		A1	IRREG
3579	DK0WCY	Scheggerott	JO44VQ	30	Dipole		A1	PT/zz??
3579.8	SM2IUF	Kalix	KP15NU	QRPP				15-07UT
3594.5	OK0EU	Panska Ves	JO70GM	100mw	Mag Loop	N-S	A1	24
3600	OK0EN	Nr Kladno	JO70AC	150mw	LW 41m	SE-NW	A1	24
5195.0	DRA5	Scheggerott	JO44VQ	30	dipole		A1	06-24 LT
						psk,rtty		24
5205.25	LX0HF	Eschdorf	JN929XV	5	Dipole		A1	24
5289.5	OV1BCN	10k S Soroe	JO55SI	30	32m F.Dip@1mUSB/MT63	H+4,19,34,49		
5290	ZS6KTS	Johannesburg	KG43CW	15	Inv. Vee	psk,WSPR		NonOp
	ZS6SRL							
5290.5	OV1BCN	"	"	"			A1	24
5290.0	GB3RAL	Nr Didcot	IO91IN	10<158uw	Inv. Vee	A1+psk		QRT
5290.0	GB3WES	Cumbria	IO84QN	10<158uw	Inv. Vee	A1+psk		QRT
5290.0	GB3ORK	Orkney	IO89JA	10<158uw	Inv. Vee	JT9A		24
5291	HB9AW	Sursee	JN43BA	10/5/1/.1/.001	1/2Dip	A1+psk		5m cycle

IARU Region 1 discourages beacon operation on 7MHz (OK0EU, OK0EP OK)

7003	ES1VHF		KO29IK					?
7034.8	PT9BCN		GG29RN	12			A1	OP?
7038.500	OK0EU	Panska Ves	JO70GM	1	Mag Loop	N-S	A1	OP?
7039.1	SK7CQ							TEST
7039.2	IK1HGI	Cerano	JN61MM		0.1			QRSS

7039.4	OK0EPB	Prague	JO70EC	10	Dipole@22m	A1	24
7039.8	IZ3DVW	Monselice Padua	JN55VF	0.5	Inv V	A1	24
7047.5	YD0MWK		OI33MQ	5	Inv Vee@15m	A1	Planned

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

10130	OK1IF	Liberec	JO70HG	0.5		A1	?
10133	SA6RR	Oxaback	JO67KI	0.5	1/4 GP	Omni A1	INT
10133.5	HB4FV			0.5	H-pole	A1	?
10137.2	IK3NWX	Nr MonselicePD	JN55VB	4.2	Rot. Dip. E-W	A1	24
10138.7 WSPR beacons around here							
10140.0 WSPR beacons around here							
10142.51	IK1HGI	Tricati	JN45IK	0.1	Dipole	QRSS3	OP?
10144	DK0WCY	Scheggerott	JO44VQ	30	Dipole	A1,psk rtty	24zz
10145	OK0EF			0.5			OP?

14097 WSPR beacons around here

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	KH6RS	Laie, Oahu	BL10TS	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	Rollystone	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	RR9O	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 cycle
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 T Nonop
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 T NonOp
14100.0	YV5B	Caracas	FK06NK	100-0.1	Vertical	Omni	A1 T NonOp

18095	YO8RIX	Nr Dorohoi	KN37FW	150mw	Lazi Loop	Omni	A1	224
18095.5	HP1AVS	Cerro Jefe	FJ09HD	2.0	Inv Vee	A1	24	
18100	IK6BAK	Montefelcino	JN63KR	0.1	Inv Vee	Omni	A1	?
18102	I1M	Bordighera	JN33UT	10	5/8 Vert	Omni	A1	24
18104.6 Many WSPR beacons around here								
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 KH6RS	Laie, Oahu	BL10TS 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 RR9O	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 T NonOp
18110.0 LU4AA	Buenos Aires	GF05TJ 100-0.1 Vertical	Omni	A1 T NonOp
18110.0 OA4B	Lima	FH17MW 100-0.1 Vertical	Omni	A1 IBP Cycle
18110.0 YV5B	Caracas	FK60NK 100-0.1 Vertical	Omni	A1 T NonOp

21068 SK7OB V.Dipole IRREG

21094.6 WSPR beacons around here

21145.7 IZ3DVW	Nr Monselice	PDJN55VF	2.6	Inv. V Dip	A1	24
21149 F5ZHL		JO10SI				IRREG
21150.0 4U1UN	UN New York	FN30AS 100-0.1	Vertical	Omni	A1 IBP cycle	
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 KH6RS	Laie, Oahu HI	BL10TS 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 NonOp	
21150.0 LU4AA	Buenos Aires	GF05TJ 100-0.1	Vertical	Omni	A1 NonOp	
21150.0 OA4B	Lima	FH17MW 100-0.1	Vertical	Omni	A1 IBP cycle	
21150.0 YV5B	Caracas	FK60NK 100-0.1	Vertical	Omni	A1 NonOp	
21151.0 I1M	Bordighera	JN33UT	10	2 5/8 Vert	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	KH6RS	Laie, Oahu HI	BL10TS	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 NonOp
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	NonOp
24930.0	LU4AA	Buenos Aires	GF05TJ	100-0.1	Vertical	Omni	A1	NOop
24930.0	OA4B	Lima	FH17MW	100-0.1	Vertical	Omni	A1	IBP cycle
24930.0	YV5B	Caracas	FK06NK	100-0.1	Vertical	Omni	A1	NonOp
24931	7Z1CQ	Jeddah	KL91ON	5	Vert.Dip	Omni	A1	IRREG
28169	ZB2TEN	Gibraltar	IM76HD	4	1/4 Vert	Omni	A1	24?
28171	XE1FAS	Publa PU	EK09UB	12	Dipole		A1	24
28173.0	IZ1EPM	27k NE Turin	JN35WD	20	1/2 Vert	Omni	A1	24
28174	VE1VDM		FN85AA				A1	?
28175	VE3TEN	Ottawa ON	FN25	10	GP	Omni	A1	24
28176.9	HP1RCP	Cerro Jefe	FJ09HD	5	Slope Dip		A1	24
28177	IW1AVR	Cravanzana		5	Vertical		A1	?
28178	IQ0GV		JN61TR				A1	?
28180.3	I1M	Bordighera	JN33UT	5/20	2x5/8 Vert	Omni	A1	30/60min
28182.4	SV3AQR	Amalias	KM07QS	4	GP	Omni	A1	24
28183.2	XE1RCS	Cerro Gordo	EK09OS	8	AR10	Omni	A1	24
28184.0	VE2REA	Quebec QC	FN46IT				A1	24
28185	VA3SRC	Burlington ON	FN03BH	5	Dipole		A1	PT
28187.6	VE7KC	Penticton BC	DN09EL				A1	24
28188	OE3XAC	Kaiserkogel	JN78SB	20	7/8 GP@750m	Omni	A1	24
28188.1	JE7YNQ	Fukushima	QM07					24
28188.9	SV5TEN	Raad	KM46CK	5	Vertical	Omni		24
28189.5	LU2DT	Mar del Plata	GF12	5	Vert. Dip.	Omni	A1/psk	
28189.8	LU8XW	Ushuaia	FD55UE					?
28190	LU3HFA	Cordoba CD	FF78UP	5	Vertical	Omni	A1	24?
28190	LU4VI	Villa Regina	FF60VI				A1	24
28191.5	A62ER	Sharjah UAE	LL75QI				A1	OP?
28192	EP4HR	Shiraz	LL69GP	20/2/0.2	Dipole		A1	24
28193	EI7GR		IO53MG					?
28192.9	VE4ARM	Austin MB	EM09HW	5	GP	Omni	A1	24
28193.5	A47RB	Oman	LL93FO	10	Vertical	Omni	A1	OP?

28193.5	LU2XPK		FF66DE				A1	?
28193.9	IW4EIR		JN54AS	1.5			A1	?
28194	IW4ERI		JN54AS					
28195.1	IY4M	Bologna	JN54QK	20	5/8 GP	Omni	A1	H>H+30m
28196	VA3ITA	Bramton ON	FN03CW				A1	IRREG
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
28197.7	IK3OTW						A1	?
28193	LU2ERC	Ensenada	GF15AD	10	Vertical	Omni	A1	24
28198	LU9FE		FF98GR					?
28199	LW6DJD	La Plata	GF15AC	5			A1	?
28199.3	LU1FHH	El Trebol SF					A1	24
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	KH6RS	Laie, Oahu HI	BL10TS	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	NonOp
28200.0	VR2B	Hong Kong	OL72CQ	100-0.1	Vertical	Omni	A1	IBP cycle
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	NonOp
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
28200.5	VA3GMT	Toronto					A1	?
28200.8	AC7AV	Oak Harbor WA					A1	?
28201	N7JUB						A1	?
28201	WB9OTX		EN55				A1	?
28201.3	PU2SUT	Sao Paulo	GG66TB	20	Dipole		A1	?
28202	WN2WNC	New Berlin NY	FN22IO				A1	
28202.5	KA3BWP	Stafford VA	FM18GK				A1	24
28203	K4MTP	Tannersville PA					A1	
28203	PY2WFG	Ipisanga SP	GG77FF				A1	24
28203	KB1QZY	Springfield MA	FN32QC	2	Imax2000 V	Omni	A1	24
28203	KG8CO	Clinton MI	EN82AB	5	Vertical	Omni	A1	24
28203	N6DXX	Sacramento CA	CM98FM				A1	?
28203	K4MTP		FN21TA				A1	

28203.5	K6LLL	Mission Viejo	CADM13EO				A1	24
28202	SV2HNE		KN10LL	5	GP			?
28204	WA2NTK	Big Flats NY	FN12NE			E-W	A1	24
28204V	WL7N	Ward Cove AK	CO45KK				A1	?
28204	KE4TWI	Watertown TN	EM66VO	5			A1	24
28204	W0WF	St Charles MO	EN02QB				A1	?
28204	W6CF	San Francisco	CM87UU				A1	24
28204	KA1KNW	Windsor CT	FN31RU	10			A1	?
28205.0	DL0IGI	Hohenpeissenb'g	JN57MT	Varies	1/4 Vert	Omni	A1	24
28205.2	VN3NIA	Nr Ridgway PA	FN01PK	4	Dipole		A1	24
28205.9	HS0BBD	Bangkok	OK13					?
28206.1	VA3GRR	Brampton ON	FN03	1.75	1/2 Vert	Omni	A1	24
28206.3	K9EJ	Toledo	EM59UG	2	Vert @4m	Omni	A1	24
28206.5	HP1RIS	Panama City	FJ09GA	3	Vert Dip	Omni	A1	24
28207	ON0RY	Binche	JO20CK	5	Vertical	Omni	A1	24
28207.3	KW7HR	Pasco WA	DN06KG				A1	24?
28207.8	W4CND	Jemison AL	EM63QA	2	Vertical	Omni	A1	24
28208	KE6TE	Elk Grove CA	CM98HK				A1	OP?
28208	AK2F	Randolph NJ	FN20QT				A1	share
28208	WN2A	Budd Lake NJ	FN20OU				A1	AK2F
28208.1	JR0YAN	Nr Toyama	PM86JW	25	Hor. Loop		A1	24+++
28208.2	IZ3LCJ	S. Lucia di Piave	JN65DU	5	1/4 GP @15m	Omni	A1	QRT?
28208.5	NB7A	Reno NV	DM09BM				A1	24
28208.7	N8PVL	Livonia MI	EN82GJ				A1	24?
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
28209.8	KV6Q	San Diego	DM12JS	3			A1	?
28210	PT2SSB	Brasilia	GH64CI				A1	?
28210	KB9UGA	Egg Harbor WI					A1	24
28210	NJ4R						A1	?
28210.2	SB7W							?
28210.4	NT4F	Wilmington NC	FM14AE	5			A1	24
28210.5	VE4TEN	Kelowna BC		2	1/2 Vert	Omni	A1	24
28211	DB0FKS	Nr Frankfurt/M	JN40IT	0.2	DV27 Vert	Omni	A1	OP?
28211	K5ARC	Galvez LA	EM40	20	Vertical	Omni	A1	24?
28211	CE1TUW	Antofagasta	FF46RQ				A1	?
28211.1	LA4TEN	Nr Hellvik	JO28WL	250	Vertical	Omni	A1	24
28211.5	VK4ADC	New Beith QLD		10/5/2/1	1/4 Whip	Omni	A1	24
	VK4WSS	Mt Cotton QLD						24
28211.8	AC7GZ	Chandler AZ	DM43				A1	?
28212	W4AMA		em63WA				A1	?
28212.0	7Z1AL	Dammam	LL56BK	10	Vertical		A1	OP?
28212.5	K0KP	Fredenberg MN	EN36VW	0.5	GP	Omni	A1	OP?
28212.5	KJ4QYB	Rainbow City AL	EM63WO				A1	?

28212.6	LU7DQP	Lanos Oeste BA	GF05TH					A1	24
28213	WA5SAT		EL09					A1	?
28213.3	KD8RKJ	Cleveland OH	EN91CK	2	Vertical	Omni	A1	24	
28213.5	KE4KAA	Big Stone Gap	VAEM86OV	5				A1	24
28213.5	W3IK	Gray TN	EM86					A1	24
28213.8	KF5KBZ	Austin TX	EM10FB					A1	?
28213.8	WA5SAT		EL09						?
28214	N4PAL	Longwood FL	EL98HQ	5	Vert@4.5m	Omni	A1	24?	
28214	LA9TEN	Snertingdal	JP50EV	10	5/8 GP	Omni	A1	24	
28214.5	FR1GZ	Reunion I.	LG79RC						irreg
28215	LU5EGY	Buenos Aires	GF05QI					A1	24
28215	YV5LIX								
28215	N8MIE		EM44					A1	?
28215	SR5TDM		KO01KX					A1	?
28215	KA9SZX	Paxton IL	EN50VD	1	Antron99	Omni	A1	24	
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 EM54BW	3	Vertical	Omni	A1	24	
28215.8	K6WKX	Santa Cruz CA	CM86XX	10	Horiz. Dip	Omni	A1	24	
28216	K3FX	Neptune City	NJFN20XE	7	1/2 Vert	Omni	A1	24	
28216	N7MA	Cataldo ID	DN17SN	5	Vertical	Omni	A1	24	
28217	LA2BCN	Telemark	JO48GX	8	5/8 Vert	Omni	A1	24	\$\$\$
28126.1	LA2BCN	"	"	8	"	"	WSPR	24	
28217	WB0FTL	Alden MN	EN33FP	5	AR10@25'	Omni	A1	24	
28217	W6GY	Star ID	DN13RP					A1	24
28217.5	WA1LAD	West Warwick	RIFN41FQ	4.5	J-Pole	Omni	A1	24	
28217.5	W8MI	Mackinaw C MI	EN75	0.5	Vertical	Omni	A1	24	
28218	IQ5MS	Marina di Massa	JN54AA		Vertical	Omni	A1	24	
28218.3	AC0KC	Fort Lupton CO	DN70OA	qrpp				A1	?
28218.3	KD8RKJ	Cleveland OH		2	Vertical	Omni	A1	?	
28218.3	KJ4LAA	Decatur AL	EM64LN	3	Vertical	Omni	A1	?	
28218.5	W5RDW	Murphy TX	EM12QX	5	AR10@25'	Omni	A1	24	
28218.6	KA4RRU	Catlett VA	FM18EN					A1	24
28218.8	KN8DMK	Amanda OH	EM89OO	3	Slope Dip. NW/SE	A1	?		
28219.6	PY2UEP		GG58GA					A1	?
28219.9	KB9DJA	Mooreville IN	EM69RO	35	GP	Omni	A1	24	
28220	5B4CY	Mandria	KM64KU	15	GP	Omni	F1	24	
28220	W8VO	Sterling Hts	MIEN82NU	5	Vert@50'	Omni	A1	OP?	
28220	K4AQXI		FM03IL					A1	?
28220	YV6CR								?
28220.3	KF5VXU	Batesville AR							?
28220.4	WK4DS	Trenton GA	EM74FU	2	Dipole	NE-SW	A1	24	
28220.5	YM7KK	Giresun	KN90IV	4				A1	24

28220.5	N5FUN	Carolton TX	EM12				A1	?
28220.8	SV2MCG	Thessaloniki	KN10FC				A1	?
28221.0	OZ7IGY	Jystrup	JO55WM	16	Halo	Omni	F1a	24
28221	WE4S	Rock Springs CA					A1	24
28221.5	KC0TKS	Sedalia MO	EM38IQ	5	J-poleVert	Omni	A1	24
28221.5	GW7HDS		IO81IP	3			A1	IRREG
28221.9	W1DLO	Calais ME	FN65JE	10	A99 vert	Omni	A1	24
28222	TP2CE	Strasbourg	JN38VO	450mw	GP R-7000	Omni	A1	24
28222	K6JCA	Carmel Valley	CACM96DN				A1	QRT?
28222	IZ0KBA	Castel Madama	JN61KX	4	GP 350m asl	Omni	A1	24
28222.2	W4KLP			1			A1	?
28222.8	N4QDK	Sauratown Mt NC	EM95	3	dipole		A1	24
28223	WY5B	Biloxi MS	EM50NK				A1	24
28223	9H1LO	Malta	JM75	8	GP		A1	Irreg
28223	KP3FT	Ponce PR	FK68	4	Vertical	Omni	A1	24
28223.3	XE3ACB	Hecelchakan	EL40				A1	24?
28223.5	KK6RE	Chico CA	CM96VG				A1	?
28223.6	PB5A		JO21DE				A1	?
28224	WD0AKX	Albert Lea MN	EN33	5	Vertical	Omni	A1	24
28224	WA3RNC	Lewistown PA	FN10FO				A1	24
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
28224.8	IT9EJW	Sicily	JM77NN	3			A1	
28224.8	NT6T	Goleta CA					A1	?
28225	YM7TEN		KN91RB	1	Vertical	Omni	A1	24
28225	K6FRC	Angels Common	CACM97GP		Vertical	Omni	A1	24??
28225	K5GJR	CorpusChristi	TXEL17HR				A1	24
28225.4	KC0JCA	St Louis MO					A1	?
28225.5	W2DLL	Nr Buffalo NY	FN02PP	8	1/2 Vert.	Omni	A1	24
28225.6	WB0LYV	Beatrice NE	EN10		V DeltaLoop		A1	?
28226	ED1YCA		IN73AL	5	H Loop	Omni	A1	24
28226	PU4CBX	Baraco de Cocais	GH80DB				A1	Irreg
28226.2	WA6HXW	Westn Covina CA	DM14AB				A1	irreg
28226.5	N7MSH	North Powder OR	DN15				A1	24
28226.6	KC6WGN	Las Vegas NV	DM26LD	10		Omni	A1	24
28226.6	PY2RFF	Sco Pedro SP	GG67AL	1.5	1/4 Vert	Omni	A1	24
28226.7	KU4A	Lexngton KY	EM78SB				A1	?
28227.0	VE9AT	White Head I.		0.1	Dipole		A1	OP?
28227	KJ4HYV	Zellwood FL					A1	24
28227.5	KC5MO	Austin TX	EM10BF	2	Dipole		A1	24
28227.7	IW3FZQ	Monselice PD	JN55VF	5	J-Pole@20m	Omni	A1	OP?
28228	ZL3TEN	Rolliston	RE66	10	1/2 Vert	Omni	A1	TNonOp
28228	OH5TEN	Kouvola	KP30HV	4	Horiz Dip		A1	24

28228.3	TG9TEN		EK44				A1	OP?
28228.8	N3PV	SpringValley	CADM12LP				A1	24
28229	ZL2MHF	Nr Wellington	RE78NU	10	1/2 Vert	Omni	F1	24
28229	NG9Y	Vevay IN	EM78LR				A1	?
28229.3	KA2LIM	Pine Valley NY	FN12NP				A1	?
28229.7	IQ8CZ	Catanzo	JM88HV	10	GP	Omni	A1	24
28230	WA4ZKO	Dry Ridge KY	EM78PP	4	A99	Omni	A1	24
28230.5	AA0RQ	Pine CO					A1	?
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	IRREG
28231.0	F5ZEH		IN88VA	.5/5/50	1/2V,3-eY		A1	24
28231.8	WA4FC	PrinceGeorge	VAFM17HD	5	Ringo@200'	Omni	A1	24
28232	N1FSX	Simla CO	DM89AC	5	Vertical	Omni	A1	24
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
28231.6	SV2AHT	Hortiatia	KN10NO				A1	24
28232.3	W7SWL	Tucson AZ		5	Vertical	Omni	A1	?
28233	I0KNQ	Genzano di Roma	JN61FU	2	Turnstile	Omni	A1	24
28233	KB9GSY	Hammond IN	EN61FP				A1	24
28234	K4DP	Covington VA	FM07AR				A1	IRREG
28234.3	K4DXY	Birmingham AL	EM63PP	2			A1	?
28234.8	VE1CBZ	KeswickRidge	NBFN65	2	A99 Vert	Omni	A1	24
28235	KI4AED	Ocoee FL	EL98FN	5	Antron 99	Omni	A1	24
28235	KK6RE	Chico CA					A1	?
28235	NP4LW	San Sebastian	FK68MI	15	Vertical		A1	?
28235	KQ4FM	Southlake TX	EM12JW	5	GP		A1	24
28235	OY6BEC	Faroe Is.	IP62	20	Yagi		A1	24
28235.1	KI4HOZ	Pickens SC	EM83XM				A1	?
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	K7TIA	Houston TX					A1	?
28237.5	WA2NEW	Beach Haven NJ					A1	?
28237.6	LA5TEN	Nr Oslo	JO59JP	15	1/2 Vert	Omni	A1	24
28237.8	K7ZSA	Alger WA	CN88UO	5	Vertical	Omni	A1	24?
28238	KB2SEO	Eton GA	EM74OT	5	1/4 GP	Omni	A1	24
28239	VA7PL	Crystal Mountn	DM09	5	GP	Omni	A1	24
28239	PP6AJM	Nosso Senhora da Socorro	HH19LD					?
28239.2	AL7FS	Anchorage AK	BP51BD	3	1/2 Vert	Omni	A1	PT
28239.5	WA3HGT	Montoursville	PAFN11MG					
28239.8	N4LEM	Cocoa FL	EL98	50	Vertical	Omni	A1	?

28239.8	IZ8RVA	Agropoli SA	JN70LI				A1	24?
28240	I0KNQ	Rome	JN61FU				A1	24
28240	IQ8CZ		JN62RD					?
28240	IZ8RVA						A1	?
28240	XE3OAX	Ocotlan, OAX	EK17PA	0.5?	+ sev.spurii		A1	24
28240.11	WE6Z	Granite Bay CA	CM98JS	4	Vertical	Omni	A1	24
28240.5	N2DWS	PortRepublicNJ	FM29SM				A1	24
28240.5	W4RKC	Winchester VA	FM09VD	5	1/2 Vert	Omni	A1	24
28240.6	YO2X	Timisoara	KN05PS	2	GP	Omni	A1	09-15UT
28240.7	AJ8T	Sturgis MI	EN71HS				A1	24
28241.5	F5ZUU	Malataverne	JN24IL	5	1/2 Vert	Omni	A1	24
28241.5	K5DZE	Erlanger KY	EM78QS	5			A1	24
28242	IZ8DXB	Naples	JN70LN	6			A1	24?
28242.5	WD9CVP	Elgin IL	EN52UA				A1	24
28242.7	F5ZWE	Foix	JN02TW	15	Vert Dip	Omni	A1	24
28243	AA1SU	VT	FN34KL				A1	24
28244.0	WA6APQ	Long Beach CA	DM13	30	Vertical	Omni	A1	24
28244	GB3TEN	Fleetwood	IO83LV	0.4	Dipole	Omni	F1A	24
28244.5	DV2FQN		KN10FC	5	GP			24?
28245	EB4YAK		IN80FK					24?
28245.0	DB0TEN	Bomlitz	JO42TW	2	1/2 GP	Omni	A1	24?
28245.6	SV2AHT	Hortiatiss	KN10NO					24
28246	VE9BEA	Crabbe Mntn NB	FN66	6	AR10@43'	Omni	A1	QRT
28246.0	KG2GL	Nutley NJ	FN20UT	5	R5Vert @40'	Omni	A1	INT
28246.2	KI4LEV	Clarksville TN	EM66	5			A1	?
28247.0	K6EMI		DM13AU				A1	?
28247.9	N1ME	Bangor ME	FN54PS	5			A1	24
28248	K5DZE	Newman GA					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
28249.0	KA3JOE	Bensalem PA	FN29MB				A1	?
28249.1	ER1TEN	Chisinau	KN47IB	4	Vertical	Omni	A1	24
28249.5	PY3PSI	Porto Alegre	GF49KX	2.8	GP	Omni	A1	IRREG
26249.8	W4CJB	Santa Rosa					A1	?
		Beach FL	EM60WR					
28249.9	W3ATV	Trevoise PA	FN20	1	Dipole		A1	24
28250	K1GND	Johnston RI	FN41FT				A1	
28250	UB6LGR		JN54				A1	IRREG
28250.0	K8NDB	Somerton AZ	DM22QQ	4	1/4 Vert	Omni	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	SutterButtes	CACM97GP	10	Vertical	Omni	A1	24??
28250	K0HTF	Des Moines IA	EN31DO	3	Inv.V@10'		A1	OP?
28251	AC0MO	Hutchinson KS	EM18				A1	?
28251.15	WA4GEH	Clayton NC	FM05SN				A1	OP?
28251.1	ED4YAK		IN80FK	5	Vertical	Omni	A1	24
28251.5	KE5JXC	Pecan Island	LAEL39SP	5	Vertical	Omni	A1	24
28252	WA2DVU	Cape May NJ	FM29NC				A1	24
28252.5	K7OC	Fort Worth TX	EL29	3.3	Vertical		A1	24
28252	WW9EE	Tremont IL	EN50GK				A1	?
28252.5	W6PC/4	Ocala FL	EL89VD	10	Dipole	Omni	A1	24
28253	N3BSQ	Bethel Park PA					A1	24?
28253.0	ED5YAU		IM98WN	5	Vertical	Omni	A1	24
28253.2	SR7IHM			5				24?
28253	KG4YUV	Crandall GA	EM74OW	7	A99 Vert	Omni	A1	24
28253	K8HWW	Warren MI	EN82MN	3			A1	24?
28253.8	XE1USG	Puebla	EK09VB				A1	?
28254	W4CJB	Pt Washington	FLEM60WR				A1	24?
28254.3	N1FCU	Windham ME	FN43ST				A1	24?
28254.5	K4JEE	Louisville KY	EM78				A1	24?
28254.5	K5AHH	Broken Bow OK					A1	?
28255	N0AR	St Paul MN	EM73SW	0.5	1/2 Vert	Omni	A1	24?
28255.5	K8HWW	StirlingHeights MI	EN82MN	3	Vertical	Omni	A1	24
28256	C30P	Andorra	JN02SM	10	R5 Vert@2m	Omni	A1	24
28256	WI5V	Oklahoma City	EM15	0.5			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
28257.3	WA2DVU	Cape May NJ		10	Mosley 57	045	A1	24
28257.5	N5WYN	Seven Points TX	EM12VI				A1	
28257.8	WY5I	Port St Kucie	FLEL97TF	5	7db Coll.	Omni	A1	07-2200LT
28258	EA7JNC	La Linea de la	IM76IE	8				24
		Conception						
28258	NM5TW	Albuquerque NM	DM65RD	5	Vert Dip	Omni	A1	24
28258.3	N1YPM	Corea ME	FN64				A1	24
28259	K5TLL	Hattiesburg MS	EM51GG				A1	?
28259	AB8CL	Arcanum OH	EN79RA				A1	?
28259	AA4AN	Brentwood TN	EM65NW	4	Vertical	Omni	A1	24
28259	F5ZVM	Valenciennes59	JO10PA	5	3dbi Vert	Omni	A1	24
28259.3	VK5W1	Adelaide	PF95HG	10	GP	Omni	A1	24
28259.3	AF6PI	Indio CA					A1	
28260	AD5KO	Mena AR	EM24VS	20	Vert@20'	Omni	A1	24
28260.1	W7LFD/0	Shell Knob MO		5	Vertical	Omni	A1	?
28260.8	NJ3T	Somerset PA	FM09LX				A1	24?

28260.8	W5TXR	Schertz TX	EL09VP				A1	?
28261.0	N7LF	Corbett OR	CN85VI				A1	24
28261.5	N4VBV	Sumter SC	EM93TW	5	Attic Dip		A1	24
28261.6	RK3XWA	Kaluga	KO84DM					24
28261.8	VK2RSY	Sydney	QF56MH	25	1/2 Vert	Omni	A1	24
28262	N4HFA	Ocala FL	EL89VP	3	5/8 GP@25'	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	VK3RRU	Mildura	QF15AT	20			A1	?
28263	ED4YBA	Cuneca	IN80WC	5	GP	Omni	A1	24
28263.5	N5YEY	Kilgore TX	EM22OJ				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	VK4RRC	Woody Point QD	QG62NS	10	Vertical	Omni	A1	24?
28265	KJ3P	SchwenksvillePA	FN20GG	5			A1	?
28265	PT9BCN	CampoGrande MS	GG29RN	12	1/2 Dipole		A1	24
28265.4	KR4HO	Lake City FL	EM80QG	1	Vertical	Omni	A1	?
28265	NC4SW	Zebulon NC	FM05				A1	24
28265	N7SCQ	Dixon CA	CM98CK				A1	24
28266.2	KB3ZI	Bloomsberg PA					A1	24
28266.5	KA1EKS	Millinocket ME	FN55OO	4	A99 GP	Omni	A1	24
28266.5	W5DJT	Pocola OK	EM25SH				A1	24
28266.6	WN5KNY	RadiumSprings	NMDM62LP				A1	24
28267	VK7RAE	TAS	QE38DT	10	Vartical	Omni	A1	24
28267.5	W5EFR	Houston Tx	EL29EW	2.75			A1	TQRT
28267.6	OH9TEN	Pirttikoski	KP36OI	20	1/2 GP	Omni	A1	24
28268	KB0QZ	Centralia MO	EM39WE	5	Vertical	Omni	A1	24
28268	KC2YME						A1	
28268	NM0R	St Genevieve MO	EM47UV				A1	
28268.3	VK8VF	Darwin NT	PH57KP	25	1/4 Vert	Omni	A1	24
28268.5	KG4GXS	CoralSpringsFL	EL96UG	3	Dip@23'	E-W	A1	24
28268.6	K7ZS	Hillsboro OR	CN85MM				A1	24
28268.8	KD5ITM	Spring TX		4	G5RV@50'		A1	
28269	WA2SFT	Cookville TN	FN02OU				A1	
28268.9	AA1TT	Claremont NH	FN33	5			A1	24
28268.9	SV6DBG	Ioannina	KM09KQ	2	5/8Vertical	Omni	A1/rtty	24
28269.5	W3HH	Nr Ocala FL	EL89VB	6	Hamstick	Omni	A1	24
28270	VK4RTL	Townsville	QH30JS	5	Vertical	Omni	F1	24
28271.7	W4TIY	Dallas GA	EM73OW	4	1/4over5/8	Omni	A1	24

28271.8	SV2HQL	Katakali-Grevens	KM09UV	5	5/8 GP	Omni	A1	24
28272.3	N1KON	Centerville IN	EM79LT	5	Vertical	Omni	A1	24
28271.9	AC0RR	Springfield MO	EM37IE				A1	?
28272	PY1RJ	San Goncalo RJ	GG87ME	4			A1	24
28272.5	K5BTW	Cumming GA	EM74		0.25 HF6V Vert	Omni	A1	24
28273.0	PY4MAB	Pocos de Caldas	GG68RE	2	Dipole		A1	24
28273	AC4DJ	Eustis FL	EL98EU	20	Ringo	Omni	A1	24
28273	WF4HAM	Altamont Spr.	FL	10	Ringo		A1	?
28273	DB0BER	Berlin		5	Dipole	Omni	A1	24
28274	LW1DZ	Escobar BA	GF05OQ	10	Loop		A1	24
28274.7	N0UD	Halliday ND	DN87SH				A1	24
28275	PY2EMG	Jacarel SP	GG76AQ				A1	?
28275	NP2SH	St John VI	FK78OI				A1	?
28275	KG4GVV	Summerville SC	EM93		Vertical	Omni	A1	24
28275	W4UCB						A1	?
28275.7	XE1AKM	Alvarez(Colima)					A1	24
28276}	K4UKB	Danville KY	EM77NP	10	5/8 Vert	Omni	A1	SYNCHx
28276}	K4FUM	Stone Mntn GA	EM73WU				A1	SYNCHx
28276.5	XE2YBG	Victoria Tamaulipas	EL03				A1	?
28277	WB7RBN	Pasco WA	DN06ig				A1	24
28277	WI4L	Dalton GA	EM74MS				A1	24
28277	WD8AQS	Fremont MI	EN73AL				A1	24
28277.3	KD4MZM	Sarasota FL	EL87RG	3	Ringo@15'	Omni	A1	24
28277.6	DM0AAB	Nr Kiel	JO54GH	12	GP	Omni	F1	24
28278	WA4OTD	Carmel IN	EM69	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	EM01	20	5/8 GP@45'	Omni	A1	24
28280	PU5AAD	Nova Brasilia	GG51PS	10			A1	24
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
28281.2	IK6ZEW	Pescara	JN72OK				A1	?
28281.5	W4HEW	Milledgeville GA	EM94LX				A1	24
28282	LA6TEN	Kirkenes	KP49XQ	10/1/.1		Omni	A1	OP?
28282	HP1ATM	Santiago	EJ98				A1	24
28282	XE2ES	Mexicali	DM22RP				A1	24
28282	N2IFC	Allamuchy NM					A1	?
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

28283.8	W5OM		DN28	98	3-el		A1	IRREG
28284	K2XG	Monticello KY	EM76NU	5	V.Dip@25'	Omni	A1	24
28284.4	IT9BCN							IRREG
28284.8	WD8AQS	Fremont MI	EN73AL	5			A1	24
28284.8	WA3IIA	Bloomsberg PA	FN11TA				A1	24
28284.5	KB9NK	Hudsonville MI	EN72BU				A1	24?
28285.0	VP8ADE	Adelaide I.	FC52WK	10	1/4 Vert	Omni	A1	24
28285	W7IEW	Olympia WA	CN87MC				A1	24?
28285	KD0GZJ	Loveland CO	DN70KJ	1	Vertical		A1	24
28285	PT9BCN	CampoGrande MS	GG29RN	1	Vertical	Omni	A1	24
28285.3	K5DRG	Lago Vista TX	EM10CM				A1	?
28285.8	WA4ROX	Largo FL	EL87	0.75			A1	24
28285.8	W0ILO	Fargo ND	EN16				A1	
28286	W16J	Bakersfield CA	DM05JJ	5	Vertical	Omni	A1	24
28286	N5AQM	Chandler AZ	DM43AH	2	Vertical	Omni	A1	24
28286	N2PD	Middletown NY	FN21	5			A1	?
28286.7	K3XR	SinkingSpringPA	FN10XH				A1	?
28287	K6FLC							?
28287.0	GB3XMB	Nr Waddington	IO83SV	10	V.Dip@800'	Omni	F1A	24
28287	W6WTG	Bakersfield CA	DM05MJ				A1	24
28287.3	W2SDX	Buffalo NY	FM18LV				A1	
28287.5	N8PUM	Ishpeming MI		0.5	Loop		A1	24
28288.0	WA7LNW	Harmony Mesa	UTDM37	5	FWave Loop	EU/PAC	A1	24
28288	K4LJP	W Palm BeachFL	EL96	5	AR99@30'	Omni	A1	24
28288	RA3ATX		KO85NX					OP?
28288.5	ND3E	Newcastle DE					A1	24
28289	KB9WA	Egg Harbor WI					A1	
28289	WB5BXZ	Hattiesburg MS					A1	?
28289.0	WJ5O	Nr Columbus AL	EM72NE	2	Yagi	NE	A1	24
28289.5	N1KXR	Medway MA	FN32	5			A1	24
28289.8	W0ERE	HighlandsvilleMO	EM36HX		Varies	Varies	A1	24
28289V	PS8RF	Teresina PI	GI84OW				A1	24
28290	N6UN	San Diego CA	DM12	5			A1	24
28290.3	WB4WOR	Randleman NC	FM06BT	3	Vertical	Omni	A1	24
28291	K5TLJ	Trumann AR	EM45RQ	20			A1	?
28291	W6NIF	Fresno CA			GP at 25ft	Omni	A1	?
28291.8	N5MAV	Midland TX					A1	
28292.0	VA3VA	Windsor ON	EN82	5	Horiz Dip		A1	24
28292.3	NH6HI	Kaleheo HI		2			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		A1	24
28293.4	ND4Z	Gilbert SC	EM94JA	5	5/8@40'	Omni	A1	24
28293.7	W4DJD	Woodbridge VA	FM18HP				A1	24

28294	K7RON	Peoria AZ	DM33					A1	24
28294	KE4IAP	Woodbridge VA	FM18HP					A1	24
28295	KD1ZX	CentralFallsRI	FN41HV	4	Vert@10'	Omni	A1	24	
28294.8	NR8O	Fort Thomas KY	EM79KY					A1	
28295	PU5ATX	Santa Catarina	GG51PR		Dipole			A1	06-2350
28295.1	SK2TEN	Kristineberg	KP08FC	5	Vertical	Omni	A1	OP?	
28295.4	K1SPD	La Vergne TN	EM65RX					A1	24
28295.5	K4IT	Flatwoods KY	EM88PM	3.5	Dipole			A1	24
28295.5	IZ0CWW	Cervaro FR	JN61VL	3					24
28295.7	W9MUP	WI	EN52					A1	?
28295.8	W3APL	Laurel MD	FM19NE	10	Hor.Dipole	NE/SW	A1	24	
28296	KA7BGR	CentralPointOR	CN82					A1	24
28296.2	W5JDG	Washington TX						A1	24
28297.1	N59RC	Northfield IL	EN62CC	5	1/2V@30'	Omni	A1	24	
28297.3	K9EEI	Tuscola FL						A1	
28297.8	WA3BM	Valencia PA	FN00SQ					A1	24
28298.0	V73TEN	Roi Namur I	RJ39RJ		Horiz	OA50	Omni		24?
28298	K5TLL	Hattiesburg MS	EM51GG	5	Vertical	Omni	A1	24	
28298.15	WZ8D	Blachester OH	EM89OO					A1	24
28298.1	SK7GH	Bor	JO77BF	5				A1	24
28298.1	K7PO	Tenopah AZ	DM32	0.5	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	24
28299	WB9OTX		EM79IB					A1	24?
28300	K6FRC	Sutters Mntn	CACM99					A1	24??
28300	HL1ZLL	Seoul	PM37MM	85	1/4 Vert.	Omni	A1	24	
28300	IK6ZEW	Pescara	JN72CK	0.4	Vertical			A1	?
28300.1	IW0HBY	Rome	JN61DM	10					?
28300	KF4MS	Tallahassee FL	EM70VM	10	A99@25'	Omni	A1	24	
28300	VE3CKN	Gloucester ONT						A1	
28300.3	PU5ZAA	Novegentes	GG53QE	3				A1	24
28301.0	PI7ETE	Amersfoort	JO22QD	0.5	Vertical	Omni	F1A	24	
28320.97	IZ8HUU	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	
28321.8	I1SXT		JN44PH						?
28321.86	IZ8JFA	Cosenza	JM89CH	0.3		N/NE	QRSS3	24	

28321.7711SXT							?
28321.94IW9BAJ	Sicily	JM77NO	1			QRSS3 24	
28321.95IW0HK	Civitavecchia	JN52WD	1/.1 Dipole	Omni		QRSS3 24	
28321.7 IZ1TAA	Nr La Spezia	JN54AC	0.1 Dipole	NW		QRSS3 24	
28322.0 IQ3QR		JN55XR	0.5			QRSS3 24	
28322 IZ7AVU	Brindisi	JN80XP					?
28322.2 IZ5ILK		JN63BN	0.05 5/8 Vert	Omni			?
28322 IU5ENO							?
28322 IZ0ANE	Cassino		0.1				?
28322.01DJ6GT			0.1			QRSS3	?
28322.01IW1QIF	Davagna-Genova	JN44LL	0.1 Long Wire			QRSS3 24	
28322.04IT9YAF	Canicatti	JM67WI	0.1 Vertical	Omni		QRSS3 24	
28322.05IK1HGI	Trecate	JN45IK	0.1 Dipole	NNW/SSE		QRSS3 24	
28322.08IS0GSR	Nr Cagliari	JM49IN	0.1 Dipole	N-S		QRSS3 24	
28322.11IK8YTN	Salerno	JN70LG	0.1 Inv V	E-W		QRSS3 24	
28322.18IZ0HCC	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	
28322.32IW9FRA	Trapani,Sicily	JM68HA	0.1 Dipole	N-S		QRSS3 24	
38322.36IW3SGT	Trieste	JN65VP				QRSS3 24	
28322.45IW4EMG	Nr Ferrara	JN54RW		Vertical	Omni	QRSS3	?
28322.4 IQ3QR		JN55XR					
28322.6 F1VJT	StGermain/Puoh	JN33CI	0.1			OP?	?
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	

29010	DU1EV	Metro Manila	100	Vert GP	Omni
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?= 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.

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	RR9O	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 currently part-time. 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)

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LA2BCN

LA2BCN operates 10-min cycle. Min 0-1

Please notify errors/changes to Martin Harrison G3USF, HF Beacon Coordinator, Region 1 of the International Amateur Radio Union, g3usf@yahoo.co.uk Copyright Martin Harrison 1995-2017. Free reproduction for non-commercial use, providing acknowledgement made to G3USF.

6 米信标

40021	OZ7IGY	Jystrup	JO55WM	22 H Dipole	255/75 F1	24	1009	
40050	GB3RAL	Nr Didcot	IO91IN			A1	24	0609
50000	GB3BUX	Nr Buxton	IO93BF	25 HTurnstiles	Omni A1	24	0510	
50000	IOICR		JN62BH					0110
50000	IQ1SP	Monte Verrugoli	JN44VC	3 J-Pole	Omni A1	24	0809	
50000.5	YO7AQF	Pitesti	KN24KV			?	0509	
50001	BV2YA	Taipei	QK23					0510
50001.0	VE1SMU	Nr Halifax NS	FN84	25 3-el Yagi	East A1	24	1209	
50001	CE3MZK						?	0310
50001.4	IW3FZQ	Monselice PD	JN55VF	8 5/8 GP	Omni A1	24	0510	
50002	Z21SIX	Harare	KH52ND	30 5/8 Vert	Omni A1	24	0410	
50002	VO2FUN	Labrador	FO62	3 H.Dip@6m	N-S A1	24	0510	
50003.5	IV3ZDL	Pordenone	JN65IW	5 5/8 Vert	Omni A1	PT	0708	
50004	XE3N						?	0410
50004.0	IOJX	Rome	JN61HV	10 5/8 Vert	Omni F1	24	0510	
50004.5	AH2G	Mt Barrigada Guam	QK23	50 Horiz Loop	Omni A1	24	0510	
5004.6	PY2REK	Itanhaem SP	GG65PU			A1		1209
50005	9M4SIX	Penang Island	OJ05DJ	50 5/8 GP	Omni A1	24	0510	
50006	HB9EME		JN36KW					1209
50006	PY0FF	Fernando Noranha	HI36	30 Ringo	Omni A1	NonOp	0108	
50006	A71A	Doha	LL55RJ	70 6-el	330 A1	?	0709	
50007	VA2ZFN	Mt Kanasuta QC	FN08HE	4 Halo	Omni A1	24	0510	
50007	IQ9TP	Trapani	JM68GA	2 Dipole	N-S A1	24	0709	

50007	HG1BVB	Horman	JN87FI	20 X-Dip	Omni F1	24	0510
50007	ZD7VC	St Helena	IH74	45 M2 Loop@40'	A1	24	1109
50007.8	DU1EV	Metro-Manila	PK04MP	10 1/2 GP	Omni A1	24	0509
50008.0	K0GUV	Park Rapids MN	EN26	8	A1	PT	0110
50008	EA3RCC	Castellen	JN11BP	5 Vertical	Omni S1	24	1009
50008	I5MXX	Pieve A Nievole	JN53JU	10 5/8 Vert	Omni A1	24	0510
50008	LU1DMA	S.Antonio de Padua	GF05PH	0.5 5/8vert	Omni A1	TEST	0509
50008	XE2HWB	La Paz BCS	DL44WR	8 1/2 Dio	A1	24	0510
50009	VE3WCC	Nr Ottawa	FN15WC	1 KU4AB Horiz	Omni A1	24	0510
50009	PY2SFY	Pindamunhangaba	SPGG77GA				1209
50010	LU7FTF	Castelar SF	FF88WI	5 Dipole	A1	24	0310
50010	SV9SIX	Iraklio	KM25NH	30 Vert. Dip.	Omni F1	24	1109
50010	JA2IGY	Mie	PM84JK	10 5/8 GP	Omni A1	24	0510
50011	HP1DCP	Panama	FJ09GB		A1		1109
50011	8R1DB		GJ06		A1	INT	0210
50011	PA3FSY		JO21HP			TEST	1109
50012	OX3SIX	Kulesuk	HP15EO	100 Dip@1500m	E-W F1	NonOp	0607
50013	CU3URA	Terceira I.	HM68	5 GP	Omni A1	24	0310
50013	LZ1JH	Stara Zagora	KN22TK	1 GP	Omni A1	24	0709
50014	V73SIX	Roi Namur I.	RJ39RJ	45 Pan Loop	A1	?	0708
50014	WH2DX						0909
50014	OK0SIX						UC
50015	9Y4AT		FK90		A1	?	0510
50015	SV5SIX	Rhodes	KM46CK	3 Dipole		24	0510
50015.7	XE2K	Mexicali	DM22FP	20 1/2 Vt@33m	A1	24	0510
50016	GB3BAA	Nr Tring	IO91PS	10 Vert Dip	Omni A1	24	0110
50017	OH0SIX	Stalsby	JP90XI	3 Horiz Dip	N-S A1	24	0510
50017	JA6YBR	Miyazaki	PM51RT	50 Turnstile	Omni A1	24	0510
50018	VE4ARM	Austin MB	EN09MW	50 3-el Yagi	NE A1	24	0510
50018	PY2MAJ			.5 Dipole	A1		0310
50018	PR8ZIX	Imperatriz MA	GI64GL	45 halo	Omni A1	24	0310
50018	LU8DCH		FF66	1 1/4 Vert	Omni A1		0310
50019	IZ1EPM	34k NW Turin	JN35TK	12 5/8 Vert	Omni A1	24	0909
50020	IW8RSB	Simeri Chrichi	CZ JM88HW	10 5/8 Vert	Omni A1	24	0410
50020	EA2B	Nr Zaragoza	IN91SR	10 Horiz	Omni A1	24	0709
50020	SV2JAO		KN10DN				1009
50020	VE8WD	Yellowknife NT	DP22	20 Ringo	Omni A1	24	0709
50020.5	ER1SIX	Nr Kishinev	KN47JG	10 Delta@5m	A1	24	0510
50020.7	IK5ZUL	Follonica GR	JN52JW			24	0110
50021	PS8RF						0310
50021.2	9Q1D		JI75				0410
50021.4	CN8IG	Tetouan	IM75HN	10	Omni	24	0510
50021.3	OZ7IGY	Toelloese	JO55WM	30 Big Wheel	F1a	24	0410
50022	VE8AU	Hay River NT	DP20			?	0709

50022	S55ZRS	Nr Dobovec	JN76MC	8 1/4 GP	Omni A1	24	0510
50022	HG8BVB	Gerla	KN06OQ	5 GP	Omni	24	0410
50023	UN1SIX		MN83KE				1009
50023	LX0SIX	Bourscheid	JN39AV	5 Big wheel		24	0410
50023	SR5FHX	Skubianka	KO02LL	3 3-el Yagi	240 F1A		0909
50023.8	VE9BEA	Frederickton NB	FN65			24?	0510
50023.0	JA1ZYK	Chiba	QM05	10 Hentenna		24	0809
50023.5	ZP5AA	Asuncion	GG14	2.5 Dipole	Omni A1	OP	1009
50024.9	VE4SPT	Gillam MB	EO26PI	100 3-el	000 A1	24	0410
50025	6Y5RC	Kingston	FK18	0.1	A1	OP?	0708
50025	9H1SIX	Attard, Malta	JM75FV	7 5/8 GP	Omni F1	24	0510
50025	YV4AB	Valencia	FK60AD	15 AR6@1210m	Omni A1	24	0510
50025.4	OH2SIX	Lohja	KP20	40 V+V stack	A1	24	Planned
50026	SR9FHA	Krakow Choragwica	KN09AS	5 5/8 GP	Omni F1A	24	0510
50025	IQ4FA	Ferrara	JN54TU	1/5 Ringo	Omni A1	08-20	0410
50027	CN8MC	Nr Rabat	IM63NX	6 J-Pole	Omni F1	24	0410
50027	JE7YNQ	Fukushima	QM07	50 2 T'stles	Omni A1	24	0609
50028	XE2ED	Colonia Guerrero	DM10	15 1/2 Vert.	Omni A1	OP?	0708
50028	SR3FHB	Chelmce	JO91CQ	5 1/4 GP	Omni F1A	24	0510
50029	SR8SIX						0609
50029	IQ0AH	Olbia	JN40RW				0110
50030	CE3AA	Santiago	FF46QN	50 halo@12m	Omni A1	24	0410
50030	LU1QA	San Luis SL			A1		0310
50030	IS0GWX		JM49OS	30 7-el Yagi	A1	TEST	0809
50030	9A0BHH	Moslavacka gora	JN85JO	2 X-Yagi	Omni A1	24	0510
50030	VY1DX	Whitehorse YU	CP20	20 Halo@20'	Omni A1	24	0510
50031	HG7BVA	Gyomro	JN97QK	5 Vert Dip	Omni	24	0510
50031.0	ZD8VHF	Ascension I.	II22TB	50 Dipole		24	0310
50031.5	CS5BCP	Serra D'Aires	IM59QM			24	0510
50032	JR0YEE	Niigata	PM97	2 Loop	A1		0210
50033	VE7FG	Prince George BC	CO83	50 R.Ranger	Omni A1	24	0410
50033	VE2RCS	Lachute QC	FN25		A1		0510
50033	OH5SHF	Kouvola	KP30HV	20 2-el 2dBd	200 F1	24	0510
50034	YU1EO	Beograd	KN04ML	1 GP	Omni A1	24	1009
50035	CS3BSM	Santo de Sierra	IM12OR	40 Horizontal	A1	24	0510
50035	HC8GR	I. San Cristobal	EI59GC		A1	24	0510
50035	OY6BEC	Faroe Is.	IP62MB		F1	24	0510
50036	VE4VHF	Headingly MB	EN19	35 Vertical	Omni A1	24	0510
50036	OA4B	Lima	FH17	13 Vertical	Omni A1	24	0410
50036V	CS5BALG	Sierra do Cavalho	IM67AH	40	A1	24	0310
50037.0	IW0DAQ	Genzano di Roma	JN61HQ	2 GP	Omni A1	TEST	0510
50037	JR6YAG	Okinawa	PL36		A1	24	0510
50037.5	ES0SIX	Hiiuma Island	KO18CW	15 Horiz Dip. E/W	A1	24	0510
50038	LU5EGY	Buenos Aires	GF05	50 5/8 Vert	Omni A1	24	0410

50039	VO1ZA	St Johns NFD	GN37	10 1/4 Vert	Omni F1	24	1209
50039	FY7THF	Kouru	GJ35	10 Vertical	Omni	24	0210
50039	CE1B		FG46TL		A1	?	0310
50039.5	JD1YBJ	Minami Torishima	QL64XG				0509
50040	C6AFP	Abaco	FL16	30 Loop	Omni A1	24	0510
50040	ZL3SIX	Christchurch	RE66	65 H	A1	24	NonOp
50040	SV1SIX	Nr Athens	KM17UX	25 Vert Dip	Omni F1	24	0510
50041	VE6EMU	Camrose AB	DO33	35 4-el Yagi	NNE A1	24	0410
50041	ON0SIX	Waterloo	JO20EP	5 Hor. X-Dips	Omni A1	24	0110
50041	EA3VHF	NE Barcelona	JN11MV			?	0809
50042	YF1OO	Bogor	OI33JK			?	0510
50042V	IZ8DXB	Naples	JN70EO			?	0809
50042.5	GB3MCB	St Austell	IO70OJ	40 Dipole	E/W F1	24	0510
50043	VE6ARC	Grand Prairie AB	DO05	25	Omni A1	24	0110
50044	ZS6TWB	Pietersburg	KG46RC	75 5-el Yagi	N-S A1	?	0410
50045	OX3VHF	Qaqortoq	GP60QQ	20 GP 20m asl	Omni F1	24	0709
50045	SR2FHM	Gdansk	JO94II	7 Dipole	Omni A1A	24	0809
50045	LZ2CM	Montana	KN13NE	0.5 GP1550masl	Omni A1	24	0510
60045	NH6P	Keaau HI	BK29MN		A1	24	0510
50045.6	JW5SIX	Hopen Island	KQ26MM	10 Dipole	A1	24	0410
50046	SV9GPV	Rethymno Crete	KM25EH			24?	0510
50046.5	VK8RAS	Alice Springs	PG66	15 X-Dipoles	Omni	24	0410
50047	JW7SIX	Kappe Linne	JQ68TB	10 3-el Yagi	SouthA1	24	0210
50047V	IZ8DXB	Naples	JN70EO			24	0809
50047.2	4N1ZNI	SSE Beograd	KN03WH	1 GP	Omni F1	24	0909
50048.2	VE8BY	Iqaluit NU	FP53RR	35 Comp 201-700	Omni F1	24	0510
50048.5	TR0A	Libreville	JJ40	15 5-el	NorthF1	?	0310
50048.7	JW9SIX	Bear Island	JQ94LM	15 GP	Omni A1	24	0310
50049.4	LZ2CC	Slatina Okr	KN22GS	5 GP	Omni	24	0510
		Loveshki					
50049.6	LZ1SJ	Sliven	KN32DR	2 GP	Omni	24	0510
50050	PU3SIX	Porto Alegre RS	GF49JW	5 Horiz Dip	N-S A1	24	0110
50050	ZS6JON	Krugersdorp	KG33VV	50 3-el Yagi	N A1		0310
50050	GB3RAL	Nr Didcot	IO91IN		A1/JT65BH	24	0410ZZ
50050	LU8XW	Ushuaia	FD55UE	50 1/2 Vert@8m	Omni A1		0210
50050	HP2ECP		FJ09		A1	24	0410
50050	NH7Y	Princeville HI	BK29		A1	?	0110
50050	XE2OR	Nava Coahuila	DL98OK		A1	?	0310
50050.6	E51USA	Rarotonga	BG08CT	20 halo@36'	Omni A1	19-07	0210
50051	LA7SIX	Bardu	JP99EC	30 4-el Yagi	190o A1	24	0510
50052	SK2CP	Esrang	KP07MV	30	Omni A1	24	0510
50052	EI0SIX	Hill of Allen	IO63NF	25 Vertical	Omni A1	24	0510
50053	XE3RCM	Merida	EL50		A1	24	0210
50054	OZ6VHF	Ribe	JO57EI	25 X-Dipole	Omni A1	24	TNonOp

50055	YV4DHS						?	0309
50055	4B1RCV							0410
50055	V44KAI	St Kitts/Nevis	FK87QH	2 5/8 Vert	Omni A1	24		0410
50055.3	ED3YAB	Barcelona	JN01VO	50 5/8 Vert	Omni A1	24		0309
50056	TG9AWS		EK44SA	5 M2 Squalo	Omni A1		INT	0410
~1630-010050056	VA7SIX	Coquitlam BC	CN89	10 Ringo			Omni A1	24
0510								
50057	IT9X	Messina	JM78RE	10 HorizLoop	Omni A1	24		1109
JT65B/BPSK 50057	IQ4AD	Serione Parma	JN54DT	8 GP			Omni A1	24
0510								
50057	VK7RAE	Don Hill	QE38DU	20 X-Dipoles	Omni A1	24		0410
50057	TF1SIX	Fludir	HP94SC	8 1/2 Dipole	A1	24		0809
50057.5	VK4RGG	Nerang	QG62QA	6 Turnstile	Omni A1	24		0410
50058	HB9SIX	Nr St Gall	JN47QF	12 J-Pole	Omni A1	24		0510
50058	OE3XLB		JN87	10 5-el Yagi		24		0510
50058V	XE3N	Playa del Carmen	EL60LP				VIRREG	0709
50059.5	VE3UBL	Ajax ON	FN03	10 Turnstile	Omni A1	24		0510
50059.7	W4CBX	Bristol TN	EM86			A1	24	0510
50059.91	K4TQR	Birmingham AL	EM63OM	4 Dipole	NW/SE A1	24		0210
50060	XE1KPB		EK09KM			A1		0310
50060	SK6QW	Nr Mariestad	JO68WR	8 Vert.Dip.	Omni A1	24		0410
50060	HG5BVC	Budapest	JN97PL	1 Vertical	Omni			0510
50060.0	KD4NMI	Knightdale NC	FM05RT	100 Vert.Dip.	Omni A1	24		0709
50060	K5AB	Georgetown TX	EM10DP	20 Horiz Loop	A1	24		0510
50060.0	GB3RMK	Nr Inverness	IO77UO	40 Dipole	N/S F1	24		0110
50060	EA4UW	Toledo	IN80EC				24	0510
50060	K4TWR	Thomasville GA	EM80AT			A1	?	0110
50060.0	WB5LLI	Kenner LA	EM40	20 GP@20f	Omni A1	24		0510
50060.0	WB0RMO	Fairbury NE	EN10	25 Squalo	A1	24		0510
50060.5	W8EH	Middletown OH	EM79TM	20 GP	Omni A1	24		0210
50061	K9MU	Chippewa FallsWI	EN44	25 Loop@40'	Omni A1	24		0210
50061	W3HH	Nr Ocala FL	EL89	3 1/4 Vert	Omni A1	24		0510
50061	KD4AOZ	Watkinsville GA	EM83			A1	24	0510
50061	N3CJM	Aston PA	FM29GI	4 GP		A1	IRREG	1208
50061.5	N9JXY	Auburn IN	EN71LI	1 J-Pole	A1			1109
50061.7	KH6HME	Hilo HI	BK29KQ	70 7-el Yagi	USA	A1	24	0510
Summer:	Stack halos	Omni50062	W9DR	NC			EM75	95
A1	IRREG	0410						
50062V	EA4Q	Cuenca	IN80WC	5 GP	Omni	24		0510
50062	K4MHZ	Hatteras NC	FM25	30 Horiz	Omni A1	24		1209
50062	W7KNT	Nr Hall MT	DN36HO			A1	24	0510
50062	K7EK	Graham WA	CN87TB	80 2-elHB9CV	N/NE A1	24		0510
50062.8	KB6BKN	Novato CA	CM88			A1	24	0709
50062.0	W3PIE	Uniontown PA	FM09DW			A1	?	0210

50062.5	I0ICR	Sant' Angelo	JN62BH			24	0210
50062.5	GB3NGI		IO65VB	30 1/4 Vert	Omn	24	Planned
50062.8	N4JQQ	Memphis TN	EM55			A1	OP? 0809
50063	KU7V	Brigham City UT	DN31XM	5		A1	24 0509
50063	LY0SIX	Vilnius	KO24PS	7 Slope Dip. 320	A1	24	0510
50063	NL7Z	Wasilla AK	BP51	50 M2 Loop		A1	24 0310
50063	LU8EML	Ensenada BA	GF15AC	10 5/8@12m	Omni A1	24	0310
50063.5	LU2MCA	Mendoza	FF57AC			A1	? 1208
50063	YV5KG	Caracas				A1	? 0210
50063	N3TEE	Newark DE	FM29DO			A1	> 0310
50064	GB3LER	Shetland	IP90JO	30 dipole	0/180A1	24	0410
50064	W9JN	Stevens Point WI	EN54DN	1,10 Halo	Omni A1	24	0809
50064.0	W3APL	Laurel MD	FM19NE	7 Sqalo		A1	24 0210
50064	K4NAM	Tallahassee FL	EM70VN	2 J-Pole@20'	Omni A1	24	0409
50064	K1MS	Westford MA	FN42GM	15 3-el	050 A1	24	0809
50064.2	KH6HI	Ewa HI	BL01	50 Turnstile	Omni A1	24	0510
50064.7	A19F	Flora IL	EM58	10 G{@20'	Omni A1	24	0809
50065	GB3IOJ	Jersey				A1	24 1209
50065	EA4TD	Pruebas	IN80FJ				? 0909
50065	W5SXD	Sugarland TX	EL29EP			A1	VIRREG 0608
50065	KL7/KG0VL	Circle AK	BP75XW	100 Horiz Loop	Omni A1	OP?	0708
50065.0	W0IJR	Aurora CO	DM79OR	20 2-ring halo	A1	24	1209++
50065.0	KA0CDN	Aurora CO	DM79OR	20 2-ring halo	A1	24	0110++
50065	K8TB	Holland MI	EN62WU	5 Squalo	Omni A1	24	0510
50065	N8RT	Blairsville GA	EM74	10 1/2Vert@15'	A1	24	1209
50065.5	W0MTK	Fruita CO	DM59	4 4 Vees	Omni A1	24	0510
50065.7	VK6RPH	Walliston WA	OF88AA	20 U Dipole	Omni A1	24	0310
50066	OE3XAC		JN78SB	10 5/8 GP@750m	Omni A1	24	0410
50066	LU4HH	Cordoba	FF78OP	1 3db Vert	Omni A1	24	0210
50066.8	LU5FB	Rosario SF	FF97PB			A1	0310
50066	W5GPM	Bartlesville OK	EM26CN			A1	24 0309
50066.0	WA1OJB	Bowdoin ME	FN54AA	30 V.Dip@85'	Omni A1	24	0510
50066	VA2TKH	Quebec City QC	FN46HU	5 H Dip		A1	IRREG 0708
50066.2	W5SIX	Horse Mountain	DM54WA	1 5-el Yagi	060 A1	24	0709
50066.9	K4HRS	Merritt I. FL	EL98QA			A1	24 0809
50067	WZ8D	Loveland OH	EM89BI	100 Loop@75'		A1	24 0510
50067	OH9SIX	Pirttikoski	KP36OI	35 2 X-dip	Omni A1	24	0510
50067	LU1MA		FF57MD	3 5/8 Vert	Omni A1		0309
50067	W4PLB	Orlando FL	EL98JP			A1	0410
50067.5	N8PUM	Champion MI	EN66AL	50 PAR Horiz	Omni A1	24	0510
50067.7	K0EC	Vail Mtn CO	DM69	45 1/2V+1/2H	E-W A1	24	0510
50068	K8LEE	Lawrenceburg IN	EM79NF			A1	24 0110
50068	N6NB	Tustin CA	DM05SB			A1	24 0410
50068.5	K2ZD	West Orange NJ	FN20US	20 5/8	Omni A1	24	0210

50068.5	WA3VXJ	Carnegie PA			A1	OP?	0109
50068.9	K6FV	Woodside CA	CM87UL	100 varies	NE A1	24***	0510
50069	W9VW	Indianapolis IN	EM69WT	8 T'stile@70'	Omni A1	24*	0510
50069	W8GTX	StClairShores MI	EN82	1 1/4 Vert	Omni A1	24?	0510
50069.3	KI4LUY	Sebastian FL	EL97ST		A1		0909
50069.5	N0UD	Nr Halliday ND	DN87	50 3-el@6m	N A1	24	0410
50069.9	W4HHK		EM55				1109
50070	SK3SIX	Ostersund	JP73HC	7 X-Dip	Omni A1	24	0510
50070	N8CJK	East Tawas MI	EN84GG		A1	?	0410
50070	HP2ECP		FJ09FA		A1	?	0509
50070.0	K4IDC	Crossville TN	EM76MA	0.35Loop	Omni A1	24	0310
50070	WA7X	Fairview UT	DM49HO	100 J-Pole	Omni A1	24	0510
50070	W4CLM	Stanley NC	EM94	30 Vertical	Omni A1	24	0309
50070.0	WA3TTS	Pittsburg PA	EN90XN	40mw1/2ParLoop	A1	24	1109
50071	W5HN	Allen TX	EM13SJ	0.5	A1	24	0510
50071	W3DOG	Ocean City MD	FM28EI	45 Stack Halos	Omni A1	24	0510
50071	LU1WDY	Trelew	FE76IS		A1	OP?	1208
50072	IZ1MYT		JN43AV	10 6-el		TEST	0909
50072V	W9DR	Punta Gorda FL	EL86XV	95 Yagi	N A1	IRREG	0510
50072	NA7XX	Reed Point MT	DN55FQ	Loop@30'	A1	IRREG	0409
50072	PY2XW	Campinas SP	GG67LF		A1		0510
50072.5	WA5DGI	Casper WY	DN62TT	5 Vertical	Omni A1	24	0310
50073	K0KP	Duluth MN	EN36WT	100 Delta Loop	Omni A1	24	0510
50073	PP2SIX	Anapolis-Go	GH53MP		A1	?	0210
50073.6	P43JB	Oranjestad Aruba	FK42		A1	?	0609
50074	K8PLF	Maumee OH	EN81		A1	24	0709
50074	VE3SRW						0209
50074	W5RP	San Angelo TX	DM91		A1	24	0510
50074	N7LT	Bozeman MT	DN45	3 1/4 GP	Omni A1	24	0510
50074.5	ED7YAD	Malaga	IM76QO	15 Horiz Loop	Omni A1	24	0510
50074.8	EH1DVY	Soria	IN81	10 Vertical	Omni A1	24	0809
50075	VR2SIX	Hong Kong	OL72			24	0510
50075	W7PFR	Mineral WA		12	A1	24	1109
50075	KA7BGR	Central Point OR	CN82	40 2x2el	SW/NE A1	24	0510
50075	YO3JW		KN34BJ	10 vertical	Omni	24	0110
50075.0	KL7GLK/3	Bay Ridge MD	FM18SW	4 Turnstile	Omni A1	24	0209
50075	NL7XM	Easton PA	FN20IP	3 Dipole	N-S A1	24	0510
50075.3	LW2ETU	Avellaneda BA	GF05TI	1 GP	Omni A1	24	0310
50076	SV3BSF		KM08UF			24	0110
50076	WR9L	Bourbonnais IL	EN61BD	10 Turnstile	Omni A1	24	0310
50076	K7IDX	Ooidar Hill WA	CN87MQ	5 H.Dip @49'	A1	24	0510
50076	W4IT	Sassafras Mtn SC	EM85OB	1 H Squalo	Omni A1	24	0510
50076.1	CS5BLA	Aldeia de Chaos	IM57PX	2.5 Horiz Dip	Omni A1	24	0510
50076.5	KK4XO	Coral Springs FL	EL96UF	10 H Loop@16'	Omni A1	24	0510

50077	YV5OK	Caracas		10 1/4 GP	Omni A1	24	0410
50077.6	N0LL	Smith Center KS	EM09OW	14 2 halos	Omni A1	24	0510
50078	NM7D	Saint George UT	DM37	15 Horiz Loop	Omni A1	24	0510
50078.0	OD5SIX		KM74	8 1/4 vert.	Omni	24	0510
50079	N9NS	Indianapolis IN	EM69WW		A1		0709
50079	W4CHA	Tampa FL	EL88		A1	24	0510
50079.0	W3CCX	Philadelphia PA	FM29JW	4 halo@500'	Omni A1	24	0310
50079	W2UTH	Holley NY	FN12FS	1.5 Dipole	A1	24	1009
50079.45	W8IF	Nr Selma OH	EM89CR	100 H-Loop@25'	A1	24	0510
50079.5	WA4FC	Carson VA	FM17FE	2 M2Loop@25'	Omni A1	24	0110
50080	K6FRC		CM97HP	10 Horiz Loop	Omni A1	24	0510
50080	K0UO	Kiowa KS	EM07	10	Omni A1	24	0409
50080	XE1GRR		DL80	25 Vertical	Omni A1	24	0210
50080	ZS1SIX	Cape Town	JN96FB	8-10 Inv. Vee	F1		NonOp
50080.0	UU5SIX	Mtns Nr Yalta	KN74AL	10 dipole		24	0609
50080.0	4X4SIX	Jerusalem	KM71NU	5 Dip@500m NW/SW	A1	24	0510
50080.1	FK8SIX	Noumea	RG37FR	15 GP	Omni F1	24	0410
50081	TI2NA	Irazu Volcano		50 Vertical	Omni A1	24	0510
50081	XE1GRR		DL80IP		A1	?	0410
50086	XE2WWW		EL06				? 0909
50083}	DF0ANN	Moritzberg Hill	JN59PL	2 Hor Loop	Omni A1	24	0510
50083}	DB0DUB	Kaarst	JO31HF	2 Horiz	Omni A1	24	0609
50084.4	UR0DMW		KN18JS	10			0510
50086	LU7YS	S.Martin de los Andes,Patagonia	FE49IU	5 1/4 @8m	Omni A1	24	0409
50089	UT5ZA						0310
50090	NN6AA	Redding CA	CN80SN		A1	?	0709
50230	SZ1SV		KM18				0609
50281	VK4RHT	Atherton	QH22RR	10 Vertical	Omni	24	0410
50282.1	VK4RTL	Townsville	QH30JP	3 Turnstile	Omni A1	24	0410
50288	VK2RHV	Mt Sugarloaf NSW	QF57SC	25 Turnstile	Omni F1	24	0410
50289	VK2RSY	Nr Sydney NSW	QF56MH	25 Turnstile	Omni A1	24	0410
50293.7	VK3RMV	45k FM Hamilton	QF02	15 1/4 GP	Omni A1	24	0310
50295.1	VK3RMH	Wattle Glen VIC	QF22OH	10 2xH Loops	Omni A1	24	0410
50297.9	VK7RST	Mt Nelson Hobart	QE37PB	15 Dipole	E-W F1	24	0410
50304	VK6RSX	Dampier WA	OG89	50 Hor. dip.	Omni A1	24	NonOp
50306	VK6RBU	Bunbury WA	OF76WR	20 3-elYagi	W-E A1	24	0310
50307	F4COT	Nr Montlucon	JN16II	5 NS-alt-EW	A1	24	0609
50310	VK8VF	Darwin NT	PH57	100 DeltaLoop	Omni A1	24	0410
50315	VK5RBV	Barossa Valley	PF95MK	12 Hor. halo	Omni A1	24	0410
50315.0	FX4SIX	Neuville	JN06CQ	25 2xHor.Dip	Omni A1	24	0510
50320	F8BHU	Nr Nevers	JN17NA				0609
50321	ZS5SIX	Hilton	KG50	7 Halo	Omni F1	24	0909
50338	F4EZJ	Nr Angouleme	JN05DK	5 5-3el Yagi	A1	PT	0609

50386	F1GTU	Perigueux	JN05IF	5 5-el	North A1	Wkend	0709
50480	JH8ZND	Chitose	QN02UW	10 5/8 GP	Omni	A1	24 0510
50490	JG1ZGW	Tokyo	PM95VP	10 7el Yagi	South A1	24	0809
50499.5	5B4CY	Zygi	KM64PT	20 1/4 GP	Omni	F1	24 0510
52275	ZL2MHF	Nr Wellington	RE78NS	10 V 1/2 Dip	Omni	F1	24 0210
52345	VK4ABP	Longreach	QG26	10 1/4 Vert.	Omni	A1	24 0110
52425	VK3RBH	Nr Broken Hill	QF07SX				Planned
52438	VK3FGN	Mildura	QF15CT	3 J-Pole	Omni	A1	24 0110
52450	VK5VF	Adelaide Mt Lofty	PF95	8 Turnstile	Omni	A1	24 0210
52490	ZL2SIX	Blenheim	RE68		Omni	F1	24 0210

ZZ GB3RAL JT65B even mins, A1a odd mins

*** K6FV schedule 1515-0030approx at 055 degrees, 1030-1515approx at 275 degrees

* May break for QSOs

+ W8GTX operates 1030-2300UTC Oct-Sep, 1030-0200UTC Ap-Sep

++ W0IJR/b and KA0CDN/b same beacon operated alternate months by husband/wife ops

}= Frequency sharing beacons INT= Intermittent TEMP= Temporary PT= part-time

EX=experimental V= Varies

Compiled by Martin Harrison G3USF for the Propagation Studies Committee
of the Radio Society of Great Britain. Corrections and updates to M.Harrison@pol.keele.ac.uk
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其他信标

国际电联赞助的信标

作为国际电信联盟资助项目的一部分，挪威 Sveio 的国家当局安装了无线电传播信标（呼号 LN2A, 59.6042 0 N - 5.29167 0 E）和澳大利亚达尔文（呼号 VL8IPS, 12.6042 0 S - 131.2920 0 E）。信标在 5471.5 kHz, 7871.5 kHz, 10408.5 kHz, 14396.5 kHz 和 20948.5 kHz 频率下工作。）自 2002 年以来，没有这些信标的接收报告，国际电联的相关网页已被删除。

高频场强测量活动

多年来，ITU-R 第 3 研究组一直在推动世界范围内的 HF 场强测量活动，其推动力来自于 WARC HFBC-87 和提高 HF 传播预测精度的要求。当时，研究组认识到，HF 传播预测方法的重大改进需要大量新的测量数据，为此，各主管部门和组织被邀请参加测量活动，无论是安装合适的发射机还是收集长时间 - 来自适当接收系统的数据。该运动在 ITU-R P.845 建议书“HF 场强测量”中规定，并包括使用预定频率上的编码传输的全球发射机和接收机网络。

ITU-R 第 27 号决议（高频场强测量活动）强调了运动的原因和继续需要参与的原因。到目前为止，澳大利亚和挪威主管部门正在定期进行传输。由挪威电信管理局和 Telenor 广播公司经营挪威发射机详情如下：

无线电信标 LN2A

识别信号（摩尔斯码）：LN2A

位置：挪威 Sveio 59 deg 37 min N, 5 deg 19 min E

传输时间：每天 24 小时

参考频率对应于使用抑制载波 SSB 技术时的抑制载波频率：5470 kHz, 7870 kHz, 10407 kHz, 14395 kHz 和 20945 kHz

发射机：ICOM IC 725 收发器, IC-4KL PA

传输功率：所有频率约 1 kW

天线：5 带陷阱垂直单极

模式：抑制载波 SSB, 参考频率（抑制载波频率）低于分配频率 1225 Hz, FSK “标记” 高于参考频率 800 Hz, FSK “空间” 高于参考频率 1650 Hz。

信号持续时间和格式：ITU-R P.845 建议书规定; 每个频率 4 分钟, 所有五个频率 20 分钟, 按照以下时间表:

参考频率 (kHz) 每小时后几分钟

14395 00 - 20 - 40

20945 04 - 24 - 44

5470 08 - 28 - 48

7870 12 - 32 - 52

10407 16 - 36 - 56

请参加 ITU-R 工作的主管部门和组织考虑通过提供传输或通过收集现场测量数据来参与运动的可能性, 无论是根据 ITU-R P.845。有关运动的进一步细节, 包括提供适当的接收系统, 请联系 ITU-R 第 3 研究组参赞 (Kevin A. Hughes 博士), 日内瓦国际电联总部。

挪威电信管理局和 Telenor 广播公司将很高兴地通过 QSL 卡来确认 LN2A 的接收报告。

联系地址是:

挪威电信管理局 (Att. AYO / TF)

PO Box 447 Sentrum

N-0104 奥斯陆

挪威

无线电信标 VL8IPS

这个信标是由 IPS 广播和太空服务公司与皇家澳大利亚海军联合建立的。

识别信号（莫尔斯电码）：VL8IPS

位置：Humpty Doo, 靠近达尔文, 北部领土, 12 度 36 分钟 S - 131 度 16 分 51 秒 E

传输时间：每天 24 小时

分配频率：5470 kHz, 7870 kHz, 10407 kHz, 14395 kHz 和 20945 kHz

变送器：Rockwell Collins HF-8022

发射机功率：所有频率约 2 kW

天线：AEA 628D 双锥单极

模式：抑制载波 SSB (USB & LSB), 参考频率（抑制载波频率）低于分配频率 1225 Hz, FSK “标记” 高于参考频率 800 Hz, FSK “空间” 高于参考频率 1650 Hz。

信号持续时间和格式：ITU-R P.845 建议书规定; 每个频率 4 分钟, 所有五个频率 20 分钟, 按照以下时间表:

参考频率 (kHz) 每小时后几分钟

5470 00 - 20 - 40

7870 04 - 24 - 44

10407 08 - 28 - 48

14395 12 - 32 - 52

20945 16 - 36 - 56

接待报告可以发送至 beacon@ips.gov.au

DARC 灯塔项目

在德意志业余无线电俱乐部（DARC）赞助两个信标从舍格罗特发送，基尔附近（54.6875 0 N - 9.79167 0 E, JO44VQ）。这些信标是 5195 kHz 的 DRA5 和 10144 kHz 的 DK0WCY。除了识别和定位，每 10 分钟，这些信标传输太阳能，地磁和电离层公告。传输采用摩尔斯电码（CW）进行听觉接收，RTTY（45 波特，HH + 10），PSK31（HH + 50）。DK0WCY 还在当地时间 0720-0900 和 1600-1900 时在 3579 kHz 上运行有限的服务信标。

RSGB 5 MHz 信标项目

所述无线电学会大不列颠（RSGB）运行于 5290 千赫三个无线电传播信标，序列发送，对于每个一分钟后，每隔 15 分钟。该项目包括靠近 Didcot 的 GB3RAL（51.5625 0 N - 1.29167 0 W, IO91IN），Cumbria 的 GB3WES（54.5625 0 N - 2.625 0 W, IO84QN）和奥克尼群岛的 GB3ORK（59.0208 0 N - 3.20833 0 W, IO89JA）。

位于卢瑟福 - 阿普尔顿实验室（RAL）的信标 GB3RAL 还可在 28215 kHz 和多个低 VHF 频率（40050, 50053, 60053 和 70053 kHz）上连续传输。

截至 2017 年 8 月，Didcot 的 5 MHz 信标灯不起作用。另外两个信标是活跃的。除了摩尔斯电码之外，信标 GB3ORK 也会在 JT9 定时传输之后的几分钟内传输。

美国海军信标

号召无线电传播信标 NAF 于 1983 年在加利福尼亚州的威尔士海角王子安装。它在 5604,11404 和 16804 kHz 上将 100 W 的 CW 和 FSK 标识传输到三波段风扇偶极子。该项目包括费尔班克斯，AK，西雅图，WA，州立学院，宾夕法尼亚州和加州圣地亚哥的接待处，由美国海军安全组织指挥部协调，其目的是验证和校准 HF 传播预测软件。项目终止时不知道。另一个传播信号灯于 1991 年在阿尔卑斯山威尔士王子北极潜艇实验室安装。信标在 25545 kHz 上运行，并传输了莫尔斯密码“R”。在距离大约 900 公里的 AK 市的 Fairbanks 有一个接待设施。R 信号灯被用来研究高纬度地理纬度的极光和零星的 E 电离层传播事件。

WSPR 网络

这是一个大型的业余无线电传播信标项目，它使用由 Joe Taylor, K1JT 创建的 WSJT 软件套件提供的 WSPR（Weak Signal Propagation Reporter）传输方案。统称为 WSPRnet 的松散协调的信标发射机和接收机通过因特网报告多个频带和地理位置的实时传播特性。所述 WSPRnet 网站提供了详细的传播报告数据库和传播路径实时图形地图。WSPR 网络以以下业余无线电频率（以千赫为单位的 USB 传输）136.0,502.4,1836.6,3592.6,5287.2,7038.6,101387.0,14095.6,18104.6,21094.6,24924.6,28124.6,50293.0,70028.6 和 144489.0kHz 进行操作。

网络收集，仅用于爱好者学习交流使用，严禁用于商业用途。BG3TQS 辛巴 QQ: 1227441189