

WORLD DGPS DATABASE FOR DXERS

(SORTED BY FREQUENCY ORDER)

Version 7.3

Last updated 6th of October 2009

Compiled by Alan Gale, G4TMV

NOTES:

- #1:** Some countries transmit the TX ID Number, others transmit the Reference Station Number!
- #2:** The Country Identifiers used in this list are taken from the NDB List Country Code List [available from the Beaconworld website: <http://www.beaconworld.org.uk/download.htm>]
- #3:** This list is aimed only at radio enthusiasts, and it goes without saying that it should not be used for navigational purposes, since the data cant be confirmed as being 100% accurate and up to date. Any updates and corrections would be much appreciated!
- #4:** In this edition the column marked TX ID is the number that is also used when submitting logs to the RNA/REU/RWW Online Database. Please note that even though some stations will be transmitting just the Reference ID number, it is still the TX ID which should be used for logs that are to be included in the RNA/REU/RWW database, which can be found at: <http://www.classaxe.com/dx/>
- #5:** From edition 2.2 onwards the actual Transmitted ID or REF ID number will now be marked in RED when known. More of these will be marked as and when they are confirmed as accurate by on-air monitoring. Any additional confirmations that users can send me would be greatly appreciated!
- #6:** TX ID: = [prefaced by the # symbol] Refers to the Broadcast Transmitter ID Station Number allocated to the Beacon
- #7:** REF ID: = [prefaced by the (symbol] Indicates the Reference Station ID Numbers allocated to the Beacon
- #8:** BPS: = Indicates the Bits Per Second [the rate the signal is transmitted at] of the beacon
- #9:** TX ID: = This also refers to the Numbers used in the RNA/ REU/ RWW Online Database
- #10:** Message Types: = This refers to the type of message broadcast by the station. This will help to confirm that you are receiving the correct beacon, and not a "phantom" decode produced by the decoder.

Updates for this list can be sent to: [webmaster at beaconworld.org.uk](mailto:webmaster@beaconworld.org.uk)

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DGPS BEACONS OF THE WORLD - SORTED BY FREQUENCY:

NOTE: #1 The actual Transmitted ID or REF ID numbers are indicated in **RED**. More will be marked as and when they are confirmed as accurate!
NOTE: #2 [n/a = frequency not yet assigned to this beacon]
NOTE: #3 TX IDs are prefaced with a ` # ' symbol e.g. #123 – this symbol does not appear on decodes, it is used purely to indicate that this number is the TX ID.
NOTE: #4 BC REF IDs are prefaced with a ` (' symbol e.g. (123 – this symbol does not appear on decodes, it is used purely to indicate that this number is the BC REF ID.

CH:	kHz:	TX ID:	Location:	COU:	Country:	REF ID:	REF ID:	Latitude:	Longitude:	BPS:	Message Types & Notes:
	162.5		Ras Caxine Lt	ALG	Algeria			36.48'83N	002.57'37E		
	235.5	#018	Elizavet	RSE	Russia [East]			54.25'00N	142.43'00E	100	
00	283.5	#352	Cabo Penas	ESP	Spain	(503	(504	43.39'00N	005.51'00W	100	Type 9 [hrd Aug 2008 – test?]
00	283.5	#353	Estaca de Bares	ESP	Spain	(505	(506	43.47'17N	007.41'07W	100	Type 9 [hrd Feb 2009 – test?]
00	283.5	#481	Dziwnow	POL	Poland	(741	(742	54.01'45N	014.44'10E	100	Type 1, Type 9
00	283.5		Mugla	TUR	Turkey			37.02'00N	028.10'00E		planned
00	283.5		Khersonessky	UKR	Ukraine			44.35'00N	033.23'00E		planned
00	283.5	#028	UNIDENTIFIED	XUU	Unknown					100	heard Feb 2009
01	284.0	#367	La Entallada	CNR	Canary Isles		(534	28.13'70N	013.56'80W	100	
01	284.0	#320	Great Pass Low Lt, Alexandria	EGY	Egypt	(440	(441	31.09'28N	029.50'77E	200	
01	284.0	#430	Mizen Head	IRL	Ireland	(660	(661	51.27'05N	009.48'80W	100	Type 3, Type 9
01	284.0	#516	Torsvag Lt	NOR	Norway	(796	(826	70.14'73N	019.30'57E	100	
02	284.5		*Trieste [308.0?]	ITA	Italy			45.41'00N	013.46'00E	100	proposed
02	284.5	#019	Corsakovsky	RSE	Russia [East]			46.37'00N	142.48'00E	100	
02	284.5	#005	Kaninsky	RUS	Russia [Eu]			68.39'00N	043.18'00E	100	
02	284.5		Mys Aytodorsky	UKR	Ukraine			44.26'00N	034.08'00E		planned
03	285.0	#368	Punta Rosca	CNR	Canary Isles	(536	(537	28.01'00N	016.33'00W		planned
03	285.0	#350	Cabo Machichaco	ESP	Spain	(500	(501	43.27'00N	002.45'00W	100	Type 9
03	285.0		Temiryukskiy 1	RUS	Russia [Eu]			45.20'00N	037.14'00E	100	planned
04	285.5	#016	Alevina	RSE	Russia [East]			58.50'00N	151.21'00E	100	
04	285.5	#443	Stirling [Earls Hill]	SCT	Scotland	(693		56.04'00N	004.04'00W	100	Type 9
05	286.0	#918	Warton, ON	CAN	Canada	(310	(311	44.45'00N	081.07'00W	200	Type 9
05	286.0	#363	Castellon	ESP	Spain	(526	(527	39.58'00N	000.01'00E	100	Type 9
05	286.0	#879	Upolu Point, Hi	HWA	Hawaii	(258	(259	20.14'80N	155.53'00W	100	
05	286.0	#105	Aguada Lt	IND	India	(410	(411	15.29'47N	073.46'40E	100	
05	286.0	#103	Utan Point Lt	IND	India	(406	(407	19.16'60N	072.47'00E	100	
05	286.0	#676	Chuncheon	KOR	South Korea	(757	(758	37.59'67N	127.42'90E	200	
05	286.0		Mehmetcik	TUR	Turkey			40.02'00N	026.10'00E		planned
05	286.0		Kochetovka	RUS	Russia			47.33'09N	040.51'10E		
05	286.0	#811	Key West, FL	USA	United States	(022	(023	24.34'94N	081.39'18W	100	Type 3
05	286.0	#804	Sandy Hook, NJ	USA	United States	(008	(009	40.28'30N	074.00'70W	200	Type 9
06	286.5	#339	Porquerolles	FRA	France	(469		42.59'00N	006.12'00E	100	
06	286.5	#001	Baltiysk	KAL	Kaliningrad			54.38'00N	019.54'00E	200	Type 1

06	286.5	#513	Skomvaer Lt, Rost	NOR	Norway	(793)	(823)	67.24'68N	011.52'60E	100	
06	286.5	#031	Dedgneva	RSE	Russia [East]			66.01'00N	169.43'00E	100	
06	286.5	#014	Petropavlovsky	RSE	Russia [East]			52.53'00N	158.42'00E	100	
06	286.5		Duncansby Head	SCT	Scotland			58.39'00N	003.01'00W	100	planned
06	286.5		Kerempe	TUR	Turkey			42.01'00N	033.20'00E		planned
07	287.0		Ras Caxine Lt	ALG	Algeria			36.48'83N	002.57'37E		planned
07	287.0		Hasselt	BEL	Belgium			50.56'00N	005.20'00E		planned
07	287.0	#623	Fangchen Gang	CHN	China	(646)	(647)	21.35'00N	108.19'00E	200	
07	287.0	#406	Klamila	FIN	Finland	(606)		60.30'00N	027.26'00E	100	Type 9
07	287.0	#416	Skardhsfjara Lt	ISL	Iceland	(632)	(633)	63.31'00N	017.59'00W	100	Type 9
07	287.0	#662	Geomun Do Lt	KOR	South Korea	(724)	(725)	34.00'47N	127.19'25E	100	
07	287.0		Kefken	TUR	Turkey			41.13'00N	030.17'00E		planned
07	287.0	#886	Fort Stevens, OR	USA	United States	(272)	(273)	46.12'30N	123.57'40W	100	
07	287.0	#883	Pigeon Point, CA	USA	United States	(266)	(267)	37.11'20N	122.23'40W	200	
07	287.0	#849	Polson, MT	USA	United States	(060)	(061)	47.39'77N	114.06'88W	100	
08	287.5	#603	Qinhuangdao	CHN	China	(606)	(607)	39.54'00N	119.36'00E	200	
08	287.5	#401	Mantyluoto	FIN	Finland	(601)		61.35'58N	021.27'90E	100	Type 9
08	287.5	#454	Torshavn	FRO	Faroes	(715)	(716)	62.01'23N	006.50'27W	100	Type 9, Type 3
08	287.5	#343	Porto Santo	MDR	Madeira	(486)	(487)	33.04'00N	016.21'00W	200	Type 9, Type 6
09	288.0	#892	Gustavus, AK	ALS	Alaska	(284)	(285)	58.25'10N	135.41'80W	100	
09	288.0	#942	Cape Ray, NL	CAN	Canada	(340)	(341)	47.37'68N	059.14'27W	200	Type 9
09	288.0	#646	Daio Saki	JPN	Japan	(692)	(693)	34.16'50N	136.54'23E	200	
09	288.0	#655	Gesashi	JPN	Japan	(710)	(711)	26.26'10N	128.09'20E	200	
09	288.0	#630	Kushiro Saki	JPN	Japan	(660)	(661)	42.57'95N	144.22'72E	200	
09	288.0	#638	Sakata	JPN	Japan	(676)	(677)	38.56'60N	139.49'58E	200	
09	288.0	#740	Bagan Datuk	MLA	Malaysia	(120)	(121)	03.59'00N	100.47'00E	200	
09	288.0		Mersin	TUR	Turkey			36.47'00N	034.37'00E		planned
09	288.0	#095	Yenikalsky	UKR	Ukraine			45.23'00N	036.39'00E	200	Type 9
10	288.5	#365	Pont Llobregat	ESP	Spain	(530)	(531)	41.19'00N	002.39'00E	100	
10	288.5	#435	Tory Island Lt	IRL	Ireland	(670)	(671)	55.16'00N	008.15'00W	100	Type 9
10	288.5		Slettnes	NOR	Norway			71.05'00N	028.13'00E	100	planned
10	288.5		Gorkovskiy	RUS	Russia [Eu]			59.50'00N	030.10'00E		
10	288.5	#470	Otterbäcken	SWE	Sweden	(738)		58.52'00N	014.06'00E	100	Type 9
10	288.5	#590	UNIDENTIFIED	XUU	Unknown						heard 8 th Nov 2008
11	289.0	#898	Cold Bay, AK	ALS	Alaska	(296)	(297)	55.05'50N	162.31'90W	100	
11	289.0	#851	Kau Yi Chau [Hong Kong]	CHN	China	(852)	(853)	22.17'04N	114.04'58E	200	
11	289.0	#351	Cabo Mayor	ESP	Spain	(502)	(503)	43.24'00N	004.25'00W	100	Type 9
11	289.0		Punta Silla	ESP	Spain			43.24'00N	004.25'00W	100	planned
11	289.0	#413	Skagata Lt	ISL	Iceland	(626)	(627)	66.07'17N	020.06'33W	100	Type 9
11	289.0	#660	Yong Do Lt	KOR	South Korea	(720)	(721)	35.02'95N	129.05'64E	100	
11	289.0	#672	Yeongju	KOR	South Korea	(749)	(750)	36.51'00N	128.32'00E	200	
11	289.0		Ekofisk	NOR	Norway			56.35'00N	003.12'00E	100	planned
11	289.0	#462	Jarnas	SWE	Sweden	(724)		63.28'71N	019.39'18E	100	Type 9
11	289.0		Rumeli	TUR	Turkey			41.13'00N	029.06'00E		planned
11	289.0	#809	Cape Canaveral, FL	USA	United States	(018)	(019)	28.27'60N	080.32'60W	100	Type 3
11	289.0	#806	Driver, VA	USA	United States	(012)	(013)	36.57'00N	076.33'00W	100	Type 9
11	289.0	#765	Topeka, KS	USA	United States	(202)	(203)	39.23'30N	096.22'80W	200	Type 9

12	289.5	#451	Hammerodde Lt, Bornholm	DNK	Denmark	(700	(701	55.17'97N	014.46'43E	100	Type 9, Type 7, Type 3
12	289.5	#414	Raufarhofn	ISL	Iceland	(628	(629	66.27'01N	015.57'25W	100	Type 9
12	289.5	#032	Van-der-Linda	RSE	Russia [East]			45.35'00N	149.24'00E	100	
12	289.5		Kodoshskiy 1	RUS	Russia [Eu]			44.06'00N	039.02'00E	100	planned
13	290.0		Abrolhos Lt	BRA	Brazil	(461		17.57'88S	038.41'64W	100	
13	290.0		Rio Grande	BRA	Brazil	(464		32.08'94S	052.06'21W	100	
13	290.0	#947	Labrador	CAN	Canada	(346		56.26'00N	061.58'00W	200	privately operated
13	290.0	#452	Blavandshuk Lt	DNK	Denmark	(705	(706	55.33'52N	008.05'07E	100	Type 9
13	290.0	#321	Port Said Lt	EGY	Egypt	(442	(443	31.16'34N	032.17'57E	200	
13	290.0	#402	Puumala	FIN	Finland	(602		61.24'00N	028.14'00E	100	
13	290.0	#877	Pahoa, HI	HWA	Hawaii	(254	(255	19.32'00N	154.58'00W	100	
13	290.0	#120	Paradip	IND	India	(440	(441	20.15'00N	086.39'19E	100	
13	290.0	#665	Mara Do Lt	KOR	South Korea	(730	(731	34.13'30N	125.51'00E	100	
13	290.0	#344	Leca	POR	Portugal	(488	(489	41.12'00N	008.42'00W	200	
13	290.0	#869	Louisville, KY	USA	United States	(168	(169	38.00'60N	085.17'90W	200	Type 3
13	290.0	#799	Penobscot, ME	USA	United States	(044	(045	44.27'10N	068.46'30W	200	Type 9
14	290.5	#447	Flamborough Head Lt	ENG	England	(687	(697	54.06'94N	000.04'87W	100	Type 9
14	290.5	#408	Kokkola	FIN	Finland	(608		63.50'00N	023.10'00E	100	
14	290.5		Izmail or Vilково	UKR	Ukraine			45.19'09N	028.51'06E		planned for 2009/2010
15	291.0	#205	Cape Recife	AFS	South Africa	(225	(245	34.01'73S	025.42'07E	100	
15	291.0	#610	Yanweigang	CHN	China	(620	(621	34.28'80N	119.46'80E	200	
15	291.0	#621	Sanzao	CHN	China	(642	(643	22.00'00N	113.24'00E	200	
15	291.0	#439	Wormleighton	ENG	England	(691		52.11'80N	001.21'90W	100	Type 9
15	291.0	#364	Cabo Salou	ESP	Spain	(528	(529	41.03'00N	001.10'00E	100	
15	291.0	#415	Djupivogur	ISL	Iceland	(630	(631	64.39'13N	014.16'62W	100	Type 9
15	291.0	#741	Kuantan	MLA	Malaysia	(122	(123	03.49'00N	103.20'00E	200	
15	291.0	#380	Bechet	ROU	Romania			43.45'08N	023.57'19E	200	
15	291.0	#845	Albuerque, NM	USA	United States	(054	(055	34.57'60N	106.29'40W	100	Type 3
15	291.0	#788	Hawk Run, PA	USA	United States	(184	(185	40.52'80N	078.10'80W	100	Type 9, Type 3
16	291.5	#008	Andrea	RSE	Russia [East]			76.44'00N	110.27'00E	100	
16	291.5	#010	Yanragai	RSE	Russia [East]			69.54'00N	170.32'00E	100	
16	291.5	#021	Astrahansky	RUS	Russia [Eu]			45.41'00N	047.35'00E	100	planned
16	291.5	#445	Sumburgh	SHE	Shetland Isles	(685	(695	59.52'08N	001.16'35W	100	Type 9
17	292.0	#208	Cooper Lt	AFS	South Africa	(228	(248	29.56'12S	031.00'32E	100	
17	292.0	#894	Cape Hinchinbrook, AK	ALS	Alaska	(288	(289	60.14'30N	146.38'80W	100	
17	292.0		San Maria de Leuca	ITA	Italy			39.47'00N	018.22'00E	100	proposed
17	292.0	#670	Cheojin	KOR	South Korea	(740	(741	38.33'00N	128.23'00E	200	
17	292.0	#666	Hornigot	KOR	South Korea	(732	(733	36.04'00N	129.34'00E	200	
17	292.0		Novorossiyskay 01	RUS	Russia [Eu]			44.36'00N	037.58'00E	100	planned
17	292.0		Shepelevskiy	RUS	Russia [Eu]			59.59'00N	029.08'00E	100	on trial
17	292.0	#460	Holmsjö	SWE	Sweden	(720		56.26'00N	015.39'00E	100	Type 9, Type 7, Type 3
17	292.0	#142	Ras Al Khaymah	UAE	United Arab Emirates	(484	(485	25.59'00N	056.04'00E	200	
17	292.0	#885	Cape Mendocino, CA	USA	United States	(270	(271	40.26'40N	124.24'40W	100	
17	292.0	#836	Cheboygan, MI	USA	United States	(112	(113	45.39'20N	084.27'90W	200	
17	292.0	#778	Kensington, SC	USA	United States	(192	(193	33.48'10N	079.34'30W	100	Type 9, Type 3
17	292.0	#841	Pine River, MN	USA	United States	(096	(097	46.51'81N	094.43'27W	100	
18	292.5	#407	Haarajoki	FIN	Finland	(607		60.31'00N	025.10'00E	100	Type 9 ex-286.0 [Feb 2009]

18	292.5		Vieste	ITA	Italy	(004		41.53'00N	016.11'00E	100	Type 9 testing?
19	293.0	#362	Mahon	BAL	Balearics	(524	(525	39.52'00N	004.18'00E	100	
19	293.0	#353	Estaca de Bares	ESP	Spain	(505	(506	43.47'17N	007.41'07W	100	Type 9
19	293.0	#101	Porbandar	IND	India	(402	(403	21.37'00N	069.37'00E	100	
19	293.0	#432	Loop Head Lt	IRL	Ireland	(665	(666	52.33'65N	009.55'90W	100	Type 9
19	293.0	#466	Kullen High Lt	SWE	Sweden	(732		56.18'10N	012.27'35E	100	Type 9, Type 7
19	293.0	#803	Moriches, NY	USA	United States	(006	(007	40.47'40N	072.44'70W	100	Type 9
19	293.0	#814	English Turn, LA	USA	United States	(028	(029	29.52'70N	089.56'50W	200	Type 9, Type 3
20	293.5	#494	Iffezheim	DEU	Germany	(764		48.50'00N	008.07'00E	100	Type 9
20	293.5	#322	Ras Umm Sidd Lt	EGY	Egypt	(444	(445	27.50'90N	034.18'80E	200	
20	293.5	#400	Porkkala Pilot Station	FIN	Finland	(600		59.58'51N	024.23'72E	100	Type 9
20	293.5	#411	Reykjanes Lt	ISL	Iceland	(622	(623	63.48'92N	022.42'28W	100	Type 9
21	294.0	#707	Brisbane, QD	AUS	Australia	(007		27.05'15S	153.03'32E	200	180 watts
21	294.0	#714	Darwin, NN	AUS	Australia	(014		12.26'43S	130.57'31E	200	165 watts
21	294.0		Vaasa	FIN	Finland					100	planned
21	294.0	#428	Vlieland Lt	HOL	Netherlands	(655	(656	53.18'00N	005.04'00E	200	Type 9
21	294.0	#742	Bandar Melaka	MLA	Malaysia	(124	(125	02.11'00N	102.14'00E	200	
21	294.0	#001	Whangaparaoa	NZL	New Zealand			36.36'20S	174.50'00E	200	off air since 2004
21	294.0	#771	New Bern, NC	USA	United States	(196	(197	35.10'86N	077.03'01W	100	Type 9, Type 6
21	294.0	#791	Klamath Falls, OR	USA	United States	(138	(139	42.17'30N	121.40'23W	100	
22	294.5	#361	Cala Figuera	BAL	Balearics	(522	(523	39.27'53N	002.31'40E	100	Type 9
22	294.5	#024	Oleniy	RSE	Russia [East]			72.36'00N	077.39'00E	100	
22	294.5	#015	Vas ilieva	RSE	Russia [East]			50.00'00N	155.26'00E	100	
22	294.5	#023	Vize	RSE	Russia [East]			79.30'00N	076.59'00E	100	
22	294.5	#085	Ostrov Zmeiny	UKR	Ukraine			45.15'00N	030.12'00E	200	
23	295.0	#891	Level Island, AK	ALS	Alaska	(282	(283	56.28'10N	133.04'83W	100	
23	295.0	#939	Partridge Island, NB	CAN	Canada	(326	(327	45.14'21N	066.03'23W	200	Type 9
23	295.0	#614	Shitang	CHN	China	(628	(629	28.16'00N	121.37'00E	200	
23	295.0	#627	Sanya	CHN	China	(654	(655	18.17'00N	109.22'00E	200	
23	295.0		Colombo Lt	CLN	Sri Lanka	(941		06.57'75N	079.51'60E	200	
23	295.0		Obristvi	CZE	Czech Republic	(850	(851			200	Type 6, Type 9, Type 16
23	295.0	#352	Cabo Penas	ESP	Spain	(503	(504	43.39'00N	005.51'00W	100	Type 9
23	295.0		Kuopio	FIN	Finland					100	planned
23	295.0	#114	Dolphins Nose Lt	IND	India	(428	(429	17.40'53N	083.17'67E	100	
23	295.0		Messina	ITA	Italy			38.12'00N	015.36'00E	100	planned
23	295.0	#637	Hekura Shima	JPN	Japan	(674	(675	37.50'97N	136.55'40E	200	
23	295.0	#641	Inubo Saki Lt	JPN	Japan	(682	(683	35.42'25N	140.52'28E	200	
23	295.0	#647	Muroto Saki	JPN	Japan	(694	(695	33.14'90N	134.10'77E	200	
23	295.0	#632	Soya Misaki Lt	JPN	Japan	(664	(665	45.31'17N	141.56'40E	200	
23	295.0	#651	Wakamiya Shima Lt	JPN	Japan	(702	(703	33.51'95N	129.41'30E	200	
23	295.0	#663	Chumunjin Dan	KOR	South Korea	(726	(727	37.53'67N	128.50'17E	100	
23	295.0	#664	Eocheong Do Lt	KOR	South Korea	(728	(729	36.07'33N	125.58'05E	100	
23	295.0	#141	Kuwait	KWT	Kuwait	(482	(483	29.07'00N	048.08'00E	200	Type 9
23	295.0	#483	Jaroslawiec	POL	Poland	(745	(746	54.33'00N	016.33'00E	100	planned
23	295.0	#817	Isabella, PR	PTR	Puerto Rico	(034	(035	18.27'70N	067.04'00W	100	Type 9, Type 3
23	295.0	#812	Eglin AFB, FL	USA	United States	(024	(025	30.38'18N	086.33'18W	100	Type 3, Testing April 2009
23	295.0	#038	UNIDENTIFIED	XUU	Unknown					200	heard March 2009

24	295.5	#531	Narva	EST	Estonia	(841		59.30'00N	028.06'00E	100	Type 9
24	295.5	#013	Africa	RSE	Russia [East]			56.11'00N	163.21'00E	100	
24	295.5	#444	Butt of Lewis Lt	SCT	Scotland	(684	(694	58.30'93N	006.15'72W	100	Type 9
24	295.5		Mys Tarkhankutsky	UKR	Ukraine			45.21'00N	032.30'00E		planned
25	296.0	#929	St. Jean Richelieu, QC	CAN	Canada	(312	(313	45.19'28N	073.18'62W	200	Type 9
25	296.0	#453	Skagen West Lt	DNK	Denmark	(710	(711	57.44'98N	010.35'78E	100	Type 9
25	296.0	#354	Cabo Finisterre	ESP	Spain	(507	(508	42.53'00N	009.16'23W	100	Type 9
25	296.0	#100	Okha [Humani Pt]	IND	India	(400	(401	22.28'53N	069.04'15E	100	
25	296.0	#675	Seongju	KOR	South Korea	(755	(756	36.51'00N	128.32'00E	200	
25	296.0	#743	Kuala Besar	MLA	Malaysia	(126	(127	06.13'00N	102.14'00E	200	
25	296.0	#830	Wisconsin, Point WI	USA	United States	(100	(101	46.42'30N	092.00'90W	100	
26	296.5	#469	Goteborg	SWE	Sweden	(736		57.37'00N	011.58'00E	100	Type 9
26	296.5		Cap Bon	TUN	Tunisia			37.04'00N	011.03'00E		planned
26	296.5	#642	UNIDENTIFIED	XUU	Unknwon						heard 15 th December 2003
27	297.0	#715	Exmouth, WE	AUS	Australia	(015		21.53'06S	114.08'04E	200	240 watts
27	297.0	#116	Krishnapatnam	IND	India	(432	(433	14.15'17N	080.07'33E	100	
27	297.0	#446	Girdle Ness Lt	SCT	Scotland	(686	(696	57.08'32N	002.02'83W	100	Type 9
27	297.0		Bangkok	THA	Thailand			13.35'45N	100.35'45E	200	
27	297.0	#086	Odessky	UKR	Ukraine			46.23'00N	030.45'00E	200	Type 9
27	297.0	#792	Bobo, MS	USA	United States	(136	(137	34.69'10N	090.41'47W	200	Type 9, Type 3
28	297.5		San Carlos Centro	ARG	Argentina	(001		31.58'00S	060.55'30W	200	
28	297.5	#360	Cabo de la Nao	ESP	Spain	(519	(520	38.44'00N	000.14'00E	100	Type 9
28	297.5	#465	Hoburg	SWE	Sweden	(730		56.55'40N	018.09'20E	100	Type 9, Type 3
28	297.5	#442	Point Lynas Lt	WLS	Wales	(682	(692	53.24'97N	004.17'30W	100	Type 9
29	298.0	#895	Potato Point, AK	ALS	Alaska	(290	(291	61.03'40N	146.41'80W	100	
29	298.0	#140	Bahrain	BHR	Bahrain	(480	(481	26.07'00N	050.39'00E	200	
29	298.0	#937	Hartlen Point, NS	CAN	Canada	(330	(331	44.35'00N	063.27'00W	200	Type 9
29	298.0	#323	Ras Gharib	EGY	Egypt	(446	(447	28.21'10N	033.06'61E	200	
29	298.0	#669	Sohuksando Lt	KOR	South Korea	(738	(739	34.05'46N	125.06'01E	100	
29	298.0		Cap Ferro	SAR	Sardinia			41.09'00N	009.31'00E	100	proposed
29	298.0	#065	Pulau Satumu	SNG	Singapore			01.09'60N	103.44'57E	100	
29	298.0	#468	Nynashamn	SWE	Sweden	(734		58.56'44N	017.57'28E	100	Type 1
29	298.0	#875	Essex, CA	USA	United States	(066	(067	34.45'07N	115.13'47W	100	off air
29	298.0	#868	Omaha, NE	USA	United States	(166	(167	41.46'70N	095.55'70W	200	Type 3
29	298.0	#831	Upper Keweenaw, MI	USA	United States	(102	(103	47.13'60N	088.37'40W	100	Type 9
30	298.5	#492	Helgoland	DEU	Germany	(762		54.11'00N	007.53'00E	100	Type 9, Type 3
30	298.5	#358	Punta Sabinal	ESP	Spain	(515	(516	36.43'42N	002.11'50W	100	Type 9
30	298.5		Cabo de Gata	ESP	Spain			36.43'00N	002.11'00W	100	planned
30	298.5		Punta della Maestra	ITA	Italy			45.10'00N	012.19'00E	100	proposed
30	298.5	#002	Shepelevskiy 1	RUS	Russia [Eu]			59.59'00N	029.08'00E	200	Type 1
30	298.5	#004	Dgedginsky	RUS	Russia [Eu]			65.12'00N	036.49'00E	100	
31	299.0	#946	Rigolet, NL	CAN	Canada	(344	(345	54.15'00N	058.30'00W	200	Type 9
31	299.0	#330	Heuville	FRA	France	(460		49.42'00N	001.16'00W	100	Type 1
31	299.0	#102	Gopnath	IND	India	(404	(405	21.12'11N	072.06'32E	100	
31	299.0		Torungen Lt	NOR	Norway			58.23'97N	008.47'52E	100	planned
31	299.0	#866	Sallisaw, OK	USA	United States	(162	(163	35.22'00N	094.49'00W	200	Type 9, Type 3

32	299.5	#448	North Foreland	ENG	England	(688	(698	51.22'49N	001.26'85E	100	Type 9	
32	299.5	#357	Malaga	ESP	Spain	(513	(514	36.43'00N	004.25'00W	100		
32	299.5	#463	Skutskar	SWE	Sweden	(726		60.37'00N	017.26'00E	100	Type 9	
33	300.0		Ponta se Sao Marcos Lt	BRA	Brazil	(460		02.29'32S	044.18'08W	100		
33	300.0		Sao Tome Lt	BRA	Brazil	(465		22.02'50S	041.03'10W	100		
33	300.0	#540	Kavarna	BUL	Bulgaria	(900	(901	43.25'00N	028.22'00E	100	Type 9	
33	300.0	#926	Riviere du Loop, QC	CAN	Canada	(318	(319	47.45'43N	069.36'23W	200	Type 9	
33	300.0	#906	Sandspit, BC	CAN	Canada	(306	(307	53.13'90N	131.48'50W	200		
33	300.0		Barbelyn Lt	CLN	Sri Lanka	(943		06.27'80N	079.58'10E	200		
33	300.0	#880	Kokole Point, Hi	HWA	Hawaii	(260	(261	21.59'00N	159.53'00W	200		
33	300.0	#412	Bjargtangar Lt	ISL	Iceland	(624	(625	65.30'10N	024.31'50W	100	Type 9	
33	300.0	#660	Yong Do Lt	KOR	South Korea	(720	(721	35.02'95N	129.05'64E	100		
33	300.0		Skrova	NOR	Norway			68.09'00N	014.39'00E	100	planned	
33	300.0		Navy	THA	Thailand			09.56'37N	099.09'33E	200	planned	
33	300.0	#871	Appleton, WA	USA	United States	(172	(173	45.46'53N	121.19'33W	100		
33	300.0	#813	Mobile Point, AL	USA	United States	(026	(027	30.13'70N	088.01'40W	100	Type 3	
33	300.0	#004	UNIDENTIFIED	XUU	Unknown					100	Type 6 [hrd 16 th feb 2009]	
34	300.5	#026	Begichev	RSE	Russia [East]			47.31'00N	112.15'00E	100		
34	300.5	#017	Crutogorova	RSE	Russia [East]			55.05'00N	155.35'00E	100		
35	301.0	#203	Cape Aghulas	AFS	South Africa	(223	(243	34.49'78S	020.00'75E	100		
35	301.0		Bjornaya	BRI	Bjornaya [Bear Island]			74.30'00N	019.00'00E	100	planned	
35	301.0	#622	Naozhoudao	CHN	China	(644	(645	20.54'00N	110.36'00E	200		
35	301.0	#107	Periyar River Lt [Azhikod Lt]	IND	India	(414	(415	10.11'90N	076.09'50E	100		
35	301.0	#510	Halten Lt	NOR	Norway	(790	(820	64.10'33N	009.24'37E	100	Type 1	
35	301.0	#482	Rozewie	POL	Poland	(743	(744	54.49'97N	018.20'15E	100	Type 1, Type 9	
35	301.0	#373	Turkeli Lt	TUR	Turkey	(545	(546	41.14'19N	029.06'46E	200	Type 9	
35	301.0	#828	Angleton, TX	USA	United States	(246	(247	29.17'00N	095.43'00W	100		
35	301.0	#847	Annapolis, MD	USA	United States	(058	(059	39.00'67N	076.36'35W	200	Type 9	
35	301.0	#111	C2CEN SAC Wildwood, VA	USA	United States					200	planned	
35	301.0	#822	Macon, GA	USA	United States	(048	(049	32.41'67N	083.33'62W	200	Type 3	
35	301.0	#837	Saginaw Bay, MI	USA	United States	(114	(115	43.37'70N	083.50'30W	100	Type 9	
36	301.5	#601	Dasansgan Dao Lt	CHN	China	(602	(603	38.51'83N	121.49'50E	200		
36	301.5	#404	Turku	FIN	Finland	(604		60.25'90N	022.13'25E	100	Type 9	
36	301.5	#012	Caranginsky	RSE	Russia [East]			58.33'00N	163.33'00E	100		
37	302.0	#359	Cabo de Palos	ESP	Spain	(517	(518	37.38'00N	000.41'00W	100	Type 9	
37	302.0	#426	Gilze Rijen	HOL	Netherlands	(655		51.37'00N	004.56'00E	200	Type 9	ex-301
37	302.0	#644	Hachijo Shima Lt	JPN	Japan	(688	(689	33.04'75N	139.51'67E	200		
37	302.0	#652	Ose Saki	JPN	Japan	(704	(705	32.36'80N	128.36'50E	200		
37	302.0	#639	Shiriyaki Saki	JPN	Japan	(678	(679	41.25'63N	141.27'97E	200		
37	302.0		Miraflores	PNR	Panama	(901		08.59'36N	079.35'06W	200		
37	302.0	#467	Hjortens Udde	SWE	Sweden	(733		58.38'00N	012.40'00E	100	Type 9	
37	302.0	#881	Point Loma, CA	USA	United States	(262	(263	32.39'90N	117.14'60W	100		
37	302.0	#888	Whidbey Island, WA	USA	United States	(276	(277	48.18'80N	122.41'80W	100		
38	302.5	#490	Koblentz	DEU	Germany	(760		50.22'00N	007.35'00E	100		
38	302.5	#493	Koblentz [Test Station]	DEU	Germany	(824	(825	50.22'00N	007.35'00E	100	Type 9	
38	302.5	#356	Tarifa	ESP	Spain	(511	(512	36.00'00N	005.36'00W	100		

38	302.5	#508	Svinoy Lt	NOR	Norway	(788	(818	62.19'65N	005.16'38E	100	Type 1
38	302.5		Bellsund	NOR	Norway					100	planned
38	302.5		Kapp Martin Lt, Bellsund	SVB	Svalbard			77.43'00N	013.59'00E		planned
39	303.0	#122	Indira Point	IND	India	(444	(445	06.45'20N	093.49'40E	100	
39	303.0	#673	Pyeongchang	KOR	South Korea	(751	(752	37.20'00N	128.29'00E	200	
39	303.0	#824	Greensboro, NC	USA	United States	(046	(047	36.41'20N	079.44'68W	100	Type 9, Type 3
39	303.0	#873	Myton, UT	USA	United States	(174	(175	40.06'11N	110.03'02W	100	
40	303.5	#493	Zeven	DEU	Germany	(763		53.17'00N	009.15'00E	100	Type 9
40	303.5	#355	Rota	ESP	Spain	(509	(510	36.38'00N	006.23'00W	100	Type 9
40	303.5	#511	Sklinna Lt, Heimoy	NOR	Norway	(791	(821	65.12'07N	011.00'22E	100	Type 1, Type 9
40	303.5	#006	Tonkiy	RSE	Russia [East]			69.51'00N	061.07'00E	100	
40	303.5	#031	Dedgneva	RSE	Russia [East]			66.01'00N	169.43'00E	100	
40	303.5	#035	Temiryukskiy 2	RUS	Russia [Eu]			45.33'02N	037.23'10E	200	
40	303.5		Ivanov Bor	RUS	Russia [Eu]			59.46'50N	038.14'08E		
41	304.0	#705	Cape Flattery QD	AUS	Australia	(005		14.57'95S	145.18'05E	200	150 watts
41	304.0	#701	Karratha WE	AUS	Australia	(001		20.42'42S	116.46'44E	200	350 watts
41	304.0	#611	Haozhi Gang	CHN	China	(622	(623	32.01'00N	121.43'00E	200	
41	304.0		Piombino	ITA	Italy			42.55'00N	010.37'00E	100	proposed
41	304.0	#503	Lista Lt	NOR	Norway	(783	(813	58.06'57N	006.34'20E	100	Type 1
41	304.0	#816	Aransas Pass, TX	USA	United States	(032	(033	27.50'30N	097.03'50W	100	Type 3
41	304.0	#777	Mequon, WI	USA	United States	(218	(219	43.11'64N	088.03'57W	200	Type 9
42	304.5	#403	Outokumpu	FIN	Finland	(603		62.41'00N	029.01'00E	100	
42	304.5	#338	Cap Bear Lt	FRA	France	(468		42.31'00N	003.08'27E	100	Type 1
42	304.5	#535	Klaipeda Rear Lt	LTU	Lithuania			55.43'67N	021.05'86E	200	Type 9, Type 6
43	305.0	#890	Biorka, AK	ALS	Alaska	(280	(281	56.51'26N	135.32'35W	100	
43	305.0		Cabo Calchanhar Lt	BRA	Brazil	(467		05.09'67S	035.29'22W	100	
43	305.0		Ilha da Moela	BRA	Brazil	(462		24.03'03S	046.15'82W	100	
43	305.0		Dondra Lt	CLN	Sri Lanka	(944		05.55'21N	080.35'59E	200	
43	305.0	#635	Hamada Ko	JPN	Japan	(670	(671	34.52'50N	132.02'48E	200	
43	305.0	#820	Alexandria, VA	USA	United States	(040	(041	38.45'20N	077.07'70W	100	testing
43	305.0	#795	Bakersfield, CA	USA	United States	(084	(085	35.07'80N	119.06'00W	100	
43	305.0	#782	Dandridge, TN	USA	United States	(190	(191	36.01'22N	083.18'23W	100	Type 9
43	305.0	#039	UNIDENTIFIED	XUU	Unknown	(039				200	Type 9 heard May 2009
44	305.5	#520	Vardo Lt	NOR	Norway	(800	(830	70.23'35N	031.10'07E	100	
44	305.5	#341	Sagres	POR	Portugal	(482	(483	37.02'00N	009.00'00W	200	Type 9
45	306.0	#708	Ingham, QD	AUS	Australia	(008		18.20'34S	146.18'35E	200	350 watts
45	306.0	#712	Perth, WE	AUS	Australia	(012		31.47'88S	115.55'96E	200	230 watts
45	306.0	#919	Cardinal, ON	CAN	Canada	(308	(309	44.47'00N	075.25'00W	200	Type 9
45	306.0	#441	Lizard Lt	ENG	England	(681	(691	49.57'58N	005.12'07W	100	Type 9
45	306.0		Keelung	TWN	Taiwan [ROC]					200	planned
45	306.0	#772	Acushnet, MA	USA	United States	(198	(199	41.44'57N	070.53'00W	200	Type 9, Type 3
46	306.5		Bad-Deutsch Altenburg	AUT	Austria	(431		48.08'30N	016.54'17E	100	Type 9 ex-(077
46	306.5		Wicklow Head	IRL	Ireland			52.58'00N	006.00'00W	100	planned
46	306.5		San Vito Lo Capo	ITA	Italy			38.11'00N	012.44'00E	100	proposed
46	306.5	#027	Stolbovoy	RSE	Russia [East]			74.10'00N	135.27'00E	100	

47	307.0	#934	Fox Island, NS	CAN	Canada	(336	(337	45.21'40N	061.05'50W	200	Type 9	
47	307.0	#324	Mersa Martruh	EGY	Egypt	(448	(449	31.21'55N	027.14'80E	200		
47	307.0	#530	Ristna Lt	EST	Estonia	(840		58.56'35N	022.03'15E	100	Type 9	
47	307.0	#334	Les Sables Olonne	FRA	France	(464		46.31'00N	001.48'00W	100	Type 1	
47	307.0	#070	Cayenne [Montabo]	GUF	French Guyana	(475		04.56'00N	052.18'00W	100		
47	307.0		Jan Mayen	JMY	Jan Mayen			70.57'00N	008.40'00W	100	planned	
47	307.0	#971	Gatun	PNR	Panama	(903	(904	09.15'39N	079.56'12W	200		
47	307.0	#825	Hackleburg, AL	USA	United States	(050	(051	34.16'80N	051.39'00W	100		
47	307.0	#834	Hagerstown, MD	USA	United States	(130	(131	39.33'19N	077.42'79W	100	Type 9	
47	307.0	#872	Pueblo, CO	USA	United States	(200	(201	38.16'80N	104.21'00W	100	Type 3	
48	307.5	#612	Dajishan Lt	CHN	China	(624	(625	30.48'60N	122.10'35E	200		
48	307.5	#602	Laotieshan Xijiao	CHN	China	(604	(605	38.44'00N	121.08'00E	200		
48	307.5	#440	St Catherines Point Lt	ENG	England	(680	(690	50.34'52N	001.17'80W	100	Type 9	
48	307.5	#464	Kapellskar Lt	SWE	Sweden	(728		59.43'08N	019.04'73E	100	Type 9	
48	307.5	#374	Kumkale	TUR	Turkey	(547	(548	39.59'37N	026.10'84E	200	Type 9	
49	308.0	#703	Sydney, NW	AUS	Australia	(003		33.59'18S	150.58'67E	200		140 watts
49	308.0	#342	Horta	AZR	Azores	(484	(485	38.32'00N	028.37'00W	200	Type 9	
49	308.0	#491	Groß Mohrdorf	DEU	Germany	(761		54.22'00N	012.55'00E	100	Type 9	
49	308.0	#110	Ratnagiri	IND	India	(420	(421	16.59'00N	073.16'00E	100		
49	308.0		*Trieste testing here?	XUU	Unknown – Italy?	(002				100	testing in place of 284.5 kHz?	
50	308.5	#332	Pont de Buis	FRA	France	(462		48.18'00N	004.05'00W	100	Type 1	
50	308.5		Ventspils	LVA	Latvia			57.23'73N	021.32'28E		planned	
50	308.5		Kodoshskiy 2	RUS	Russia [Eu]			44.06'00N	039.02'00E	100	planned	
51	309.0	#909	Alert Bay, BC	CAN	Canada	(300	(301	50.35'20N	126.55'47W	200		
51	309.0	#927	Lauzon, QC	CAN	Canada	(316	(317	46.48'75N	071.09'55W	200	Type 9	
51	309.0	#333	Pen Men	FRA	France	(463		47.39'00N	003.31'00W	100	Type 1	
51	309.0	#112	Pandiyam Thivu	IND	India	(424	(425	08.47'00N	078.11'00E	100		
51	309.0	#631	Abashiri	JPN	Japan	(662	(663	43.59'33N	144.17'50E	200		
51	309.0	#643	Ken Saki	JPN	Japan	(686	(687	35.08'30N	139.40'67E	200		
51	309.0	#634	Matsumae	JPN	Japan	(668	(669	41.25'20N	140.05'50E	200		
51	309.0	#653	Toi Misaki	JPN	Japan	(706	(707	31.22'20N	131.20'20E	200		
51	309.0	#850	Clark, SD	USA	United States	(146	(147	44.55'80N	097.57'60W	100		
51	309.0	#835	Pickford, MI	USA	United States	(110	(111	46.30'90N	084.21'70W	200	Type 9	
51	309.0	#870	Reedy Point, DE	USA	United States	(170	(171	39.33'68N	075.34'19W	200		
52	309.5	#518	Fruholmen Lt	NOR	Norway	(797	(827	71.05'62N	023.59'20E	100		
52	309.5	#030	Vrangelia	RSE	Russia [East]			70.59'00N	178.29'00E	100		
52	309.5	#449	Nash Point Lt	WLS	Wales	(689	(699	51.24'03N	003.33'06W	100	Type 9	
53	310.0	#201	Cape Columbine	AFS	South Africa	(221	(241	32.49'65S	017.51'37E	100		
53	310.0	#896	Kenai, AK	ALS	Alaska	(292	(293	60.40'10N	151.21'00W	100		
53	310.0		Cabo de Santa Marta Grande Lt	BRA	Brazil	(466		28.36'20S	048.48'87W	100		
53	310.0		Canivete	BRA	Brazil	(463		00.30'57N	050.24'86W	100		
53	310.0	#944	Cape Norman, NL	CAN	Canada	(342	(343	51.29'93N	055.49'50W	200	Type 9	
53	310.0	#613	Dinghai	CHN	China	(626	(627	30.01'00N	122.04'00E	200		
53	310.0	#336	Cap Ferret	FRA	France	(466		44.34'00N	001.15'00W	100	Type 1	
53	310.0	#666	Changgi Gap Lt	KOR	South Korea	(732	(734	36.04'75N	129.34'08E	100		
53	310.0	#033	Taganrogsky	RUS	Russia [Eu]			47.12'00N	038.57'00E	100		

53	310.0	#859	Whitney NE	USA	United States	(148	(149	42.44'00N	103.19'00W	100	Type 9, Type 3	
53	310.0	#773	Seneca, OR	USA	United States	(214	(215	44.09'86N	119.03'59W	100	Type 3	
54	310.5	#626	Bachu Jiao Lt	CHN	China	(652	(653	20.00'16N	110.55'97E	200		
54	310.5	#604	Beitang	CHN	China	(608	(609	39.06'42N	117.43'12E	200		
54	310.5	#500	Faerder Lt	NOR	Norway	(780	(810	59.01'63N	010.31'57E	100	Type 1	
54	310.5	#028	Cotelny	RSE	Russia [East]			75.59'00N	137.53'00E	100		
54	310.5	#020	Gamov	RSE	Russia [East]			42.33'00N	131.13'00E	100		
55	311.0	#515	Andenes, Andoya	NOR	Norway	(794	(824	69.19'67N	016.07'99E	100		
55	311.0	#005	Shepelevskiy 2	RUS	Russia [Eu]	(002		59.59'00N	029.09'00E	100	Type 9	
55	311.0	#863	Rock Island IL	USA	United States	(156	(157	42.00'30N	090.14'11W	200	Type 9	
56	311.5		Oostdyk	BEL	Belgium			51.16'00N	002.26'00E		planned	
56	311.5	#340	Cabo Carvoeiro Lt	POR	Portugal	(480	(481	39.21'53N	009.24'40W	200	Type 1	
56	311.5	#461	Bjuroklubb	SWE	Sweden	(722		64.28'87N	021.34'75E	100	Type 9	
56	311.5		Harsova	ROU	Romania			44.40'51N	027.56'48E			
57	312.0	#420	Oostende	BEL	Belgium	(640	(641	51.14'36N	002.55'94E	200	Type 9	
57	312.0	#935	Western Head, NS	CAN	Canada	(334	(335	43.59'35N	064.39'73W	200	Type 9, Type 6	
57	312.0	#798	Austin, NV	USA	United States	(074	(075	39.39'00N	116.70'00W	100		
57	312.0	#827	Tampa, FL	USA	United States	(244	(245	27.51'00N	082.31'93W	200	Type 3	
58	312.5	#345	Sao Miguel	AZR	Azores	(490	(491	37.44'00N	025.39'00W			
58	312.5	#425	Hoek van Holland	HOL	Netherlands	(650	(651	51.58'90N	004.06'83E	200	Type 9, Type 7	
59	313.0	#897	Kodiak, AK	ALS	Alaska	(294	(295	57.37'10N	152.11'60W	100		
59	313.0	#706	Gladstone, QD	AUS	Australia	(006		24.02'21S	151.21'53E	200		320 watts
59	313.0	#925	Moise, QC	CAN	Canada	(320	(321	50.11'69N	066.06'70W	200	Type 9	
59	313.0	#615	Tianda Shan	CHN	China	(630	(631	25.28'00N	119.42'00E	200		
59	313.0	#628	Yangpu Gang	CHN	China	(656	(657	19.43'00N	109.12'00E	200		
59	313.0	#119	Keating Point Lt [Nicobar Is]	IND	India	(438	(439	09.15'40N	092.46'33E	100	damaged by Tsunami	
59	313.0	#121	East Island	IND	India	(442	(443	13.37'52N	093.02'49E	100		
59	313.0	#661	Palmi Do Lt	KOR	South Korea	(722	(723	37.21'33N	126.30'77E	200		
59	313.0	#505	Utsira Lt	NOR	Norway	(785	(815	59.18'45N	004.52'33E	100	Type 1	
59	313.0	#874	Billings, MT	USA	United States	(062	(063	45.58'33N	107.59'78W	100		
59	313.0	#821	C2CEN Portsmouth, VA	USA	United States	(1008	(1009	36.52'90N	076.21'70W	200	testing	
59	313.0	#860	Vicksburg, MS	USA	United States	(150	(151	32.19'90N	090.55'20W	200		
60	313.5	#607	Wangjiamaido	CHN	China	(614	(615	36.04'38N	120.26'43E	200		
60	313.5	#496	Mauken	DEU	Germany	(766		51.43'00N	012.49'00E	100	Type 9	
60	313.5	#366	Cabo San Sebastian	ESP	Spain	(532	(533	41.53'00N	003.12'00E	100	Type 9	
61	314.0	#700	Crib Point, VI	AUS	Australia	(000		38.21'65S	145.10'10E	200	Type 9	200 watts
61	314.0	#104	Hazira	IND	India	(498	(499	21.05'31N	072.38'34E	100		
61	314.0	#507	Utvaer Lt	NOR	Norway	(787	(817	61.02'28N	004.30'70E	100	Type 1	
61	314.0	#143	Abu Dhabi	UAE	United Arab Emirates	(486	(487	24.06'00N	052.56'00E	200		
61	314.0	#764	Lincoln, CA	USA	United States	(210	(211	38.50'77N	121.20'98W	200	Type 3	
61	314.0	#832	Sturgeon Bay, WI	USA	United States	(104	(105	44.47'70N	087.18'90W	100	Type 9	
61	314.0	#808	Card Sound, FL	USA	United States	(016	(017	25.25'90N	080.27'10W	200	Type 9, Type 7, Type 3	
62	314.5	#495	Bad Abbach	DEU	Germany	(765		48.56'00N	012.02'00E	100	Type 9	

62	314.5	#325	El Quseir	EGY	Egypt	(450	(451	26.08'26N	034.15'65E	200		
62	314.5	#405	Marjaniemi	FIN	Finland	(605		65.02'00N	024.34'00E	100	Type 9	
63	315.0	#711	Albany, WE	AUS	Australia	(011		35.05'15S	117.54'01E	200		300 watts
63	315.0	#704	Mackay, QD	AUS	Australia	(004		21.06'19S	149.12'68E	200		289 watts
63	315.0		Ilha Rasa Lt	BRA	Brazil	(469		23.03'82S	043.08'75W	100		
63	315.0	#940	Cape Race, NL	CAN	Canada	(338	(339	46.39'40N	053.04'31W	200	Type 9	
63	315.0	#908	Tofino [Amphitrite Point], BC	CAN	Canada	(302	(303	48.55'52N	125.32'42W	200		
63	315.0	#111	Pondicherry Lt	IND	India	(422	(423	11.54'90N	079.49'95E	100		
63	315.0		Novorossiyskay 02	RUS	Russia [Eu]			44.36'00N	037.58'00E	100	planned	
63	315.0	#003	Tysp Navolokskiy	RUS	Russia [Eu]			69.44'00N	033.06'00E	100		
64	315.5		Nida	LTU	Lithuania			55.18'00N	021.00'00E		planned	
64	315.5	#025	Enisey	RSE	Russia [East]			68.25'00N	086.22'00E	100		
64	315.5	#011	Russian Cat	RSE	Russia [East]			64.34'00N	178.33'00E	100		
	316.0	#710	Corny Point SA	AUS	Australia	(010		34.53'97S	137.00'88E	200		220 watts
	316.0	#709	Weipa QD	AUS	Australia	(009		12.39'21S	141.51'61E	200		120 watts
	316.0	#640	Kinkasan To	JPN	Japan	(680	(681	38.16'50N	141.35'25E	200		
	316.0	#656	Miyako Shima	JPN	Japan	(712	(713	24.43'50N	125.26'30E	200		
	316.0	#633	Shakotan Misaki	JPN	Japan	(666	(667	43.22'10N	140.28'20E	200		
	316.0	#636	Tanga	JPN	Japan	(672	(673	35.44'10N	135.05'30E	200		
	316.0	#800	Brunswick NAS, ME	USA	United States	(042	(043	43.53'40N	069.56'80W	100	Type 9, Type 3	
	316.0	#848	Spokane, WA	USA	United States	(068	(069	47.31'20N	117.25'20W	100	Type 9, Type 3	
	317.0	#606	Chengshan Jiao	CHN	China	(612	(613	37.24'00N	122.41'00E	200		
	317.0	#620	Luyu	CHN	China	(640	(641	23.20'00N	116.45'00E	200		
	317.0	#858	Hartsville, TN	USA	United States	(144	(145	36.24'61N	086.50'37W	100		
	317.0	#864	St Paul [Alma], MN	USA	United States	(158	(159	44.18'20N	091.54'20W	200		
	317.5		Bolivar	ARG	Argentina	(002		36.22'30S	060.03'00W	200		
	318.0	#713	Mallacoota, VI	AUS	Australia	(013		37.34'05S	149.44'10E	200		350 watts
	318.0	#117	Sagar Island Lt	IND	India	(434	(435	21.39'42N	088.02'93E	100		
	318.0	#674	Chungju	KOR	South Korea	(753	(754	36.58'00N	127.45'00E	200		
	318.0	#878	Chico, CA	USA	United States	(256	(257	39.25'80N	121.36'00W	100		
	318.0	#823	Summerfield, TX	USA	United States	(052	(053	34.49'20N	102.30'60W	100	Type 9, Type 3	
	318.5	#009	Camenka	RSE	Russia [East]			69.28'00N	161.14'00E	100		
	318.5	#007	Sterlegov	RSE	Russia [East]			75.24'00N	088.46'00E	100		
	318.5	#018	Elizarova	RSE	Russia [East]			54.25'00N	142.48'00E	100		
	319.0	#936	Point Escuminac, NB	CAN	Canada	(332	(333	47.04'30N	064.48'00W	200	Type 9	
	319.0	#115	Pulicat	IND	India	(430	(431	13.25'15N	080.19'36E	100		
	319.0		Ulung Do	KOR	South Korea	(734	(735	37.21'00N	126.30'00E	100		
	319.0	#838	Detroit, MI	USA	United States	(116	(117	42.17'80N	083.05'70W	200	Type 9	
	319.0	#876	Flagstaff, AZ	USA	United States	(064	(065	35.13'18N	111.49'06W	100		
	319.0	#818	Savannah, GA	USA	United States	(036	(037	32.08'40N	081.42'00W	100	Type 9, Type 3	
	320.0		Jeddah	ARS	Saudi Arabia	(961		21.28'00N	039.08'00E	200		
	320.0	#702	Horn Island, QD	AUS	Australia	(002		10.35'52S	142.17'49E	200		150 watts
	320.0		Aracaju	BRA	Brazil	(468		16.58'11S	037.02'11W	100	on trial	
	320.0		Sergipe	BRA	Brazil	(468		10.58'16S	037.02'20W	100		

320.0	#907	Richmond, BC	CAN	Canada	(304	(305	49.06'50N	123.11'00W	200	
320.0	#616	Zhenai Jaio	CHN	China	(632	(633	24.16'10N	118.07'90E	200	
320.0	#109	Minicoy Island Lt	IND	India	(418	(419	08.15'98N	073.01'57E	100	
320.0	#107	Periyar River Lt	IND	India	(414	(415	10.11'90N	076.09'50E	100	
320.0	#106	Suratkal Point	IND	India	(412	(413	13.00'22N	074.47'43E	100	
320.0	#118	Antiverdi	IND	India	(436	(437	16.19'01N	081.43'32E	100	
320.0	#645	Nagoya	JPN	Japan	(690	(691	35.01'90N	136.50'90E	200	
320.0	#650	Seto	JPN	Japan	(700	(701	33.25'90N	132.13'40E	200	
320.0	#865	Millers Ferry, AL	USA	United States	(160	(161	32.54'00N	087.23'50W	200	Type 9, Type 3
320.5	#648	E Saki	JPN	Japan	(696	(697	34.35'70N	134.59'70E	200	
320.5	#654	Nakano Shima	JPN	Japan	(708	(709	29.49'10N	129.55'10E	200	
321.0	#928	Trois Rivieres, QC	CAN	Canada	(314	(315	46.23'83N	072.27'28W	200	
321.0	#649	Ohama	JPN	Japan	(698	(699	34.05'20N	132.59'60E	200	
321.0	#642	Urayasu	JPN	Japan	(684	(685	35.36'80N	139.54'00E	200	
321.0	#882	Lompoc, CA	USA	United States	(264	(265	34.49'52N	120.33'87W	100	
322.0	#671	Muju	KOR	South Korea	(747	(748	35.45'00N	127.34'00E	200	
322.0		Kaoshung	TWN	Taiwan [ROC]					200	planned
322.0	#862	St Louis, MO	USA	United States	(154	(155	38.36'70N	089.45'50W	200	Type 3
322.0	#839	Youngstown, NY	USA	United States	(118	(119	43.13'80N	078.58'20W	100	Type 9, Type 1
323.0	#889	Annette Island, AK	ALS	Alaska	(278	(279	55.04'10N	131.36'00W	100	
323.0	#950	St Davids Head	BER	Bermuda			32.22'06N	064.38'95W	100	Type 1
323.0	#113	Nagapatinam	IND	India	(426	(427	10.45'58N	079.51'00E	100	
323.0	#668	Sochong Do Lt	KOR	South Korea	(736	(737	37.45'00N	124.43'00E	200	
323.0	#887	Robinson Point, WA	USA	United States	(274	(275	47.23'30N	122.22'50W	200	
324.0		Gizan	ARS	Saudi Arabia	(962		16.53'00N	042.32'00E	200	
324.0	#844	Hudson Falls, NY	USA	United States	(094	(095	43.16'21N	073.32'31W	200	Type 9, Type 3
324.5	#029	Indygirsky	RSE	Russia [East]			71.16'00N	150.17'00E	100	
325.0	#851	Medora, ND	USA	United States	(176	(177	46.54'60N	103.16'20W	100	Type 9, Type 3
454.0		Hagerstown, MD	USA	United States					1000	HADGPS test
458.0		Hawk Run, PA	USA	United States					1000	HADGPS test
2570.0		Buenos Aires	ARG	Argentina			34.37'39S	058.21'25W		
2950.0		Rosario	ARG	Argentina			32.58'41S	060.37'17W		

PLANNED OR PROPOSED BEACONS WITH FREQUENCIES NOT YET ASSIGNED:

(nya = not yet assigned)

kHz:	TX ID:	Location:	COU:	Country:	REF ID:	REF ID:	Latitude:	Longitude:	BPS:	Notes & Comments:
nya	#776	Anderson (Clear AFB), AK	ALS	Alaska						proposed
nya	#762	Barrow, AK	ALS	Alaska						proposed
nya	#769	Bethel, AK	ALS	Alaska						proposed
nya	#761	Bettles, AK	ALS	Alaska						proposed
nya	#760	Delta Junction, AK	ALS	Alaska						proposed
nya	#759	Dillingham, AK	ALS	Alaska						proposed
nya	#758	Fort Yukon, AK	ALS	Alaska						proposed
nya	#757	Galena, AK	ALS	Alaska						proposed
nya	#756	Glenallen, AK	ALS	Alaska						proposed
nya	#767	Hooper Bay, AK	ALS	Alaska						proposed
nya	#783	Kotzebue, AK	ALS	Alaska						proposed
nya	#779	McGrath, AK	ALS	Alaska						proposed
nya	#780	Nome, AK	ALS	Alaska						proposed
nya	#781	Prudhoe Bay, AK	ALS	Alaska						proposed
nya	#846	Trapper Creek, AK	ALS	Alaska	(056	(057				proposed
nya		Dhazari	BGD	Bangladesh			22.09'54N	089.14'04E	200	planned
nya		Monirampur	BGD	Bangladesh			23.00'59N	092.03'17E	200	planned
nya		Rupchandrapur	BGD	Bangladesh			24.48'51N	090.26'28E	200	planned
nya		Ruse	BUL	Bulgaria			43.34'24N	025.48'52E		planned for 2009
nya		Paoloa	ITA	Italy			39.35'00N	014.48'00E	100	proposed
nya		Passero	ITA	Italy			36.46'00N	015.07'00E	100	proposed
nya		Pescara	ITA	Italy			42.28'00N	014.14'00E	100	proposed
nya		Senigallia	ITA	Italy			43.39'00N	013.15'00E	100	proposed
nya		Ijmuiden Phare	HOL	Netherlands			52.28'00N	005.35'00E		planned
nya		near Belgrade	SRB	Serbia						planned for 2010
nya		Cape Point	AFS	South Africa			34.21'20S	018.29'43E	100	planned
nya		Chuncheon	KOR	South Korea						under construction
nya	#787	Austin, TX	USA	United States						proposed
nya	#797	Big Lake, TX	USA	United States			31.23'15N	101.33'43W		planned 2009
nya	#857	Bliss, ID	USA	United States			42.55'98N	114.59'19W		planned 2009
nya	#775	Canton, OK	USA	United States						proposed
nya	#796	Carlsbad, NM	USA	United States			32.22'27N	104.57'32W		planned 2009
nya	#790	Cincinnati, OH	USA	United States						proposed
nya	#793	Edinburg, ND	USA	United States						proposed
nya	#796	El Paso, TX	USA	United States						proposed
nya	#774	Elmira, NY	USA	United States						proposed
nya	#770	Fayetteville, AR	USA	United States						proposed
nya	#807	Fort Macon, NC	USA	United States	(014?	(015?				proposed
nya	#787	Georgetown, TX	USA	United States			30.40'50N	097.28'38W		planned 2009

nya	#857	Gooding, ID	USA	United States			43.00'00N	115.00'00W		proposed
nya	#826	Grady, AL	USA	United States						proposed
nya	#893	Great Falls, MT	USA	United States	(286?	(287?				proposed
nya	#843	Hannibal, OH	USA	United States						proposed
nya	#755	Iowa City, IA	USA	United States						proposed
nya	#794	Jack Creek, NV	USA	United States						proposed
nya	#852	Jackson, WY	USA	United States						proposed
nya	#855	Kanab, UT	USA	United States						proposed
nya	#787	Langtry, TX	USA	United States						proposed
nya	#768	Ledyard, IA	USA	United States						proposed
nya	#789	Marshall, TX	USA	United States			32.41'44N	094.09'73W		planned 2009
nya	#819	Martinsville, VA	USA	United States						proposed
nya	#842	Medford, WI	USA	United States						proposed
nya	#854	Middlebury, VT	USA	United States						proposed
nya	#829	Monterey, VA	USA	United States						proposed
nya	#789	Munday, TX	USA	United States						proposed
nya	#786	Oberlin, KS	USA	United States						proposed
nya	#797	Odessa, TX	USA	United States						proposed
nya	#840	Onondaga, MI	USA	United States						proposed
nya	#766	Pacific Junction, IA	USA	United States						proposed
nya	#856	Patten, ME	USA	United States			45.50'35N	068.30'35W		planned 2009
nya	#899	Petaluma, CA	USA	United States	(298?	(299?				proposed
nya	#861	Poplar Bluff, MO	USA	United States						proposed
nya	#853	Rawlins, WY	USA	United States						proposed
nya	#852	Sage Junction, ID	USA	United States			Engineering Test Site 43.50'01N	112.12'03W		planned 2009
nya	#843	St. Marys, WV	USA	United States			39.25'63N	081.10'03W		proposed
nya	#785	Tucson, AZ	USA	United States			32.30'00N	111.00'00W		planned 2009 – HADGPS?
nya	#763	Wenatchee, WA	USA	United States						proposed
nya	#754	Wildwood, NJ	USA	United States						proposed

BEACONS WHICH HAVE BEEN DECOMMISSIONED OR RECENTLY CLOSED:

KHz:	TX ID:	Location:	COU:	Country:	REF ID:	REF ID:	Latitude:	Longitude:	BPS:	Notes & Comments:
297.0	#833	Milwaukee, WI	USA	United States	(106	(107	43.00'10N	087.53'30W	100	decommissioned 14/11/2006
298.0	#805	Cape Henlopen, DE	USA	United States	(010	(011	38.46'60N	075.05'30W	200	decommissioned
298.0	#808	Charleston Lt, SC	USA	United States	(016	(017	32.45'40N	079.50'50W	100	decommissioned
305.0	#867	Kansas City, MO	USA	United States	(164	(165	39.70'04N	095.24'53W	200	decommissioned
305.0	#334	Les Baleines	FRA	France	(464		46.15'00N	001.34'09W	100	replaced by Les Sables Olonne
310.0	#884	Point Blunt, CA	USA	United States	(268	(269	37.51'19N	122.25'14W	100	decommissioned
310.5	#332	Cap St Mathieu	FRA	France	(462		48.20'00N	004.46'00W	100	replaced by Pont de Buis
312.0	#812	Egmont Key, FL	USA	United States	(024	(025	27.36'00N	082.45'60W	200	decommissioned
314.0	#700	Crib Point, VI	AUS	Australia	(000		38.21'65S	145.10'10E	200	discontinued
325.0	#802	Chatham Lt, MA	USA	United States	(004	(005	41.40'30N	069.57'00W	100	decommissioned
310.0	#861	Memphis, TN	USA	United States	(152	(153	35.27'90N	090.12'30W	200	decommissioned
292.5	#409	Porvoo	FIN	Finland	(609		60.30'59N	025.10'31E	100	heard here Dec 2008, probably old TX now moved to Haarajoki!
322.0	#810	Miami, FL	USA	United States	(020	(021	25.44'00N	080.09'60W	100	closed September 2009

BEACONS QSL ADDRESSES:

This new section has been added to versions 5.2 onwards, and is an attempt to show addresses which can be used for sending reception reports to, or have been successful in receiving verifications from. Most of these addresses are 'central' addresses, and should work okay, but some are untried central or 'Ministry' addresses which might be worth a try (these untried addresses are marked as such). If you can add any new ones that have worked for you, or correct or confirm any of the current addresses shown below please do let us know the details, and these will be included in future editions. My grateful thanks to Patrick Robic of Austria Austria and Michael Oexner of Germany for providing many of the addresses that are now confirmed, and are shown below:

AUSTRIA:

Bad Deutsch-Altenburg: Bad Deutsch-Altenburg: Oesterreichische Wasserstraßn-Gesellschaft mbH, viadonau, Donau-City-Straße 1, 1220 Wien, Austria.
(v/s Marcus Sheldbauer Project Manager).

BELGIUM:

All Belgian DGPS Beacons: Ministerie van Verkeer en Infrastructuur, Bestuur van Maritieme Zaken en Scheepvaart, Aarlenstraat 104, B-1040 Brussels Belgium. (address not yet confirmed)

DENMARK:

All Danish DGPS Beacons: Farvandsvæsenet, Farvandssikringsafdelingen, Postboks 1919, 1023, København K, Denmark.

ENGLAND & WALES:

All English & Welsh DGPS Beacons: The Navigation Manager, Trinity House, Tower Hill, LONDON, EC3N 4DH, United Kingdom. (main central address, not yet tried)

ESTONIA:

All Estonian DGPS Beacons: Veeteede Amet, Valge 4, 11413 Tallinn, Estonia.

GERMANY:

All German DGPS Beacons: Wasser und Schifffahrtsverwaltung des Bundes, Fachstelle des WSV fuer Verkehrstechniken, Weinbergstrasse 11-13, 56070 Koblenz, Germany.

NETHERLANDS:

Hoek van Holland: RESON B.V., Stuttgartstraat 42-44, 3047 AS Rotterdam, The Netherlands.
(v/s Sicco Gillebaard, Electronic Engineer)

NORWAY:

All Norwegian DGPS Beacons: Kystverket, Serviceboks 2, 6025 Alesund, Norway. (possible address, not yet confirmed)

POLAND:

Rozewie: Urzad Morski w Gdyni, ul. Chrzanowskiego 10, 81-333 Gdynia, Poland.

REPUBLIC OF IRELAND:

All Irish DGPS Beacons: Commissioners of Irish Lights, Engineer-In-Chief, 16 Lower Pembroke Street, Dublin 2, Ireland.

SCOTLAND/SHETLAND IS:

All Scottish DGPS Beacons: The Monitor Centre, Northern Lighthouse Board, 84 George Street, Edinburgh, EH2 3DA, United Kingdom. (main central address, not yet tried)

SPAIN:

All Spanish DGPS Beacons: Ministerio de Fomento, Puertos del Estado, Avda. del Partenón 10, Campo de las Naciones, 28042 Madrid, Spain.

SWEDEN:

All Swedish DGPS Beacons: Sjöfartsverket, Headoffice, 60178 Norrköping, Sweden.

TURKEY:

All Turkish DGPS Beacons: Kiyi Emniyeti Genel Mudurlugu, Turk Bogazlari Gemi Trafik Hiz. Dairesi Bsk., Meclis-i Mebusan Cad. No. 14, Salipazan / Beyoglu, 34433 Istanbul, Turkey.

CREDITS & SOURCES:

NOTE# It goes without saying that this database is provided only for the use of hobbyists, and should not be used for navigational purposes. No claims are made about this being an accurate and completely up to date list, even many of the "official" lists seem to have problems in obtaining information about some of the beacons, it should be considered to be more of an attempt to create a workable list for DGPS enthusiasts and Beacon Dxers to use. As always, updates and corrections are greatly welcomed, especially Message Type, and actual transmitted ID information!

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Admiralty List of Radio Signals Volume 2

Alex Wagner, Austria
AMSA (Australia) Website
Andy Robins, USA
Bob Zyskowski, USA
Brian Keyte, England
Canadian Coastguard Website
Commissioners for Irish Lights Website
Ferdinand Lenhardt, Germany
Fred Mooney, South Korea
Fritz Raab, USA
FVT - German Federal Waterways Website
GIS Forum Danube
Henrik Thil Neilsen, Denmark
Herman Schoemaker - Editor: "QSL Review", "Section NDB" (Benelux DX-Club)
IALA World Database
JJ - Jean Jacquemin, France
Klaus Betkes Website - <http://www.longwave.de>
Martin Francis, Canada
Michael Oexner, Germany
NDB List e-mail reflector
Northern Lighthouse Board Website
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Steve Ratzlaff, USA
Tjaerand S.Bauge, Norway
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Torbjorn Ericson, Sweden
Trinity House Website
US Coastguard Nav Center
Vesa Heinonen, Finland
Vincent Lecler, France
Walter Blanchard, England
Weekly Notices to Mariners

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