

# WORLD DGPS DATABASE FOR DXERS

(SORTED BY FREQUENCY ORDER)

Version 11.9

Last updated 11th of October 2018

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, which is available from the NDB List website: <https://www.ndblist.info/info/countrylist.pdf>
- #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 can't be confirmed as being 100% accurate and up to date. Any updates or corrections would be much appreciated.
- #4: In this edition the column marked 'TX ID' shows the number that is 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 is shown in **BOLD** lettering where 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. This refers to the Broadcast Transmitter ID Station Number allocated to the Beacon.
- #7: REF ID: = Prefaced by the ( symbol. This indicates the Reference Station ID Number 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 Type: = 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.

There is now a specialist group called the 'DGPS List' which covers this mode, to find out more visit: <https://groups.io/g/dgpslist/>

Updates for this list can be sent to: **<dgpsupdates at ndblist.info>** (replace the 'at' with @) © A. Gale/DGPS List 2018

# DGPS BEACONS OF THE WORLD - SORTED BY FREQUENCY:

- NOTE: #1** The actual Transmitted ID [**TX ID**] or **REF ID** numbers are indicated in **BOLD**. More will be marked as and when they are confirmed as being accurate.
- NOTE: #2** **nya** = 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** **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 **REF ID**.
- NOTE: #5** Many of the **UNIDENTIFIED** beacons shown are very likely to be connected with the Russian inland waterways, but no 'official' information is known about their identity as yet.
- NOTE: #6** It is not known if the Russian beacons are transmitting **TX ID** or **REF ID**, so these are currently shown as **TX ID** to aid the REU-RNA-RWW Logging Database system.
- NOTE: #7** **Latitude** and **Longitude** are shown in 'Degrees and Decimal Minute' format.

CH:	kHz:	TX ID:	Location:	COU:	Country:	REF ID:	REF ID:	Latitude:	Longitude:	BPS:	Message Type & Notes:
00	283.5		Estaca de Bares?	ESP?	Spain?	(506				100	Type 9
00	283.5	#481	Dziwnow	POL	Poland	<b>(741</b>	<b>(742</b>	54°01'32N	014°43'85E	100	Type 1,9
00	283.5	#050	Petropavlovsky	RSE	Russia [East]			52°53'00N	158°42'00E	100	on trial
00	283.5	<b>#028</b>	Astrahansky	RUS	Russia [Eu]	(028		44°41'00N	047°35'00E	100	on trial
00	283.5	<b>#029</b>	Astrahansky	RUS	Russia [Eu]	(029		44°41'00N	047°35'00E	100	on trial
00	283.5	#003	Mud'iugsky	RUS	Russia [Eu]	(003		64°55'00N	040°14'00E	100	on trial
00	283.5		Mugla	TUR	Turkey			37°02'00N	028°10'00E		planned?
00	283.5		Khersonesky	UKR	Ukraine			44°35'00N	033°23'00E		planned?
00	283.5	#504	UNIDENTIFIED	XUU	Unknown					100	Type 9 [hrd Aug 2008 – test?]
+++++											
01	284.0	#367	La Entallada	CNR	Canary Isles	<b>(534</b>		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	<b>(660</b>	(661	51°27'05N	009°48'80W	100	Type 3,9
01	284.0	#516	Torsvag Lt	NOR	Norway	<b>(796</b>	<b>(826</b>	70°14'73N	019°30'57E	200	
01	284.0	#051	Krasny Partizan	RSE	Russia [East]	(051		48°59'00N	140°23'00E	100	on trial
+++++											
02	284.5	<b>#004</b>	Kaninsky	RUS	Russia [Eu]	<b>(004</b>		68°39'20N	043°17'60E	100	on trial
02	284.5		Mys Aytodorsky	UKR	Ukraine			44°26'00N	034°08'00E		planned?
+++++											
03	285.0	#707	Brisbane, QD	AUS	Australia	<b>(007</b>		27°05'15S	153°03'32E	100	Type 3,5,7,9,16 ex-294.0 kHz
03	285.0	#368	Punta Rosca	CNR	Canary Isles	(536		28°01'00N	016°33'00W		planned?
03	285.0	#350	Cabo Machichaco	ESP	Spain	<b>(500</b>		43°27'00N	002°45'00W	100	Type 9
03	285.0	#052	Africa	RSE	Russia [East]	(052		56°11'00N	163°21'00E	100	on trial
03	285.0	#036	Temiryukskiy 1	RUS	Russia [Eu]	(036		45°20'00N	037°14'00E	100	on trial
03	285.0	#741	Truong Sa	VTN	Vietnam	(167	(168	08°38'34N	111°55'05E	200	
+++++											
04	285.5	#053	Basargina	RSE	Russia [East]	(053		43°03'00N	131°57'00E	100	on trial
04	285.5	#443	Stirling [Earls Hill]	SCT	Scotland	<b>(693</b>		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		39°58'00N	000°01'00E	100	Type 9
05	286.0	#409	Savonlinna	FIN	Finland	(609		62°05'00N	028°39'00E	100	planned?
05	286.0	#879	Upolu Point, Hi	HWA	Hawaii	(258	(259	20°14'85N	155°53'07W	100	
05	286.0	#676	Chuncheon	KOR	South Korea	(757	(758	37°59'67N	127°42'90E	200	
05	286.0	#001	Semikarakorsk?	RUS	Russia	(001		47°32'36N	40°51' 95E	200	on trial??
( - heard by LS in Poland September 2014, coordinates indicate near to Semikarakorsk)											
05	286.0		Mehmetcik	TUR	Turkey			40°02'00N	026°10'00E		planned?
05	286.0		Hou-Long	TWN	Taiwan [ROC]			24°38'00N	120°46'00E	200	on trial
05	286.0	#804	Sandy Hook, NJ	USA	United States	(008	(009	40°28'29N	074°00'71W	200	Type 9
05	286.0	#743	Mong Cai	VTN	Vietnam	(186	(187	21°31'30N	107°58'02E	200	Type 6,9
05	286.0	#742	UNIDENTIFIED	VTN?	Vietnam?			(heard in Sydney, Australia)		200	
+++++											
06	286.5	#617	Lingkun	CHN	China	(634	(635	27°58'70N	120°54'00E	200	
06	286.5	#339	Porquerolles	FRA	France	(469		42°59'00N	006°12'00E	100	
06	286.5	#001	Baltiysk	KAL	Kaliningrad	(001		54°38'00N	019°54'00E	100	Type 1
06	286.5	#513	Skomvaer Lt, Rost	NOR	Norway	(793	(823	67°24'68N	011°52'60E	200	
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	#624	Daya Wan	CHN	China	(648	(649	22°42'40N	114°33'20E	200	new July 2017
07	287.0	#406	Klamila	FIN	Finland	(606		60°30'00N	027°26'00E	100	Type 9
07	287.0	#662	Geomun Do Lt	KOR	South Korea	(724	(725	34°00'47N	127°19'25E	200	
07	287.0		Makiš	SRB	Serbia	(685		44°45'19N	020°20'34E	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°12'29N	123°57'36W	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 3,9
08	287.5	#343	Porto Santo	MDR	Madeira	(486	(487	33°04'00N	016°21'00W	200	Type 6,9
+++++											
09	288.0	#892	Gustavus, AK	ALS	Alaska	(284	(285	58°24'96N	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	#105	Aguada Lt	IND	India	(410	(411	15°29'47N	073°46'40E	100	
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
09	288.0	#746	Phu Quoc	VTN	Vietnam	(197	(198	10°01'04E	104°01'04E	200	

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10	288.5	#365	Pont Llobregat	ESP	Spain	(530		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	200	planned?
10	288.5	#008	Sulakskiy	RUS	Russia [Eu]	(008		43°16'00N	047°32'00E	100	on trial
10	288.5	#470	Otterbäcken	SWE	Sweden	(738		58°52'00N	014°06'00E	100	Type 9
10	288.5	#590	UNIDENTIFIED	XUU	Unknown – Greece?						heard 8 <sup>th</sup> Nov 2008 & again on 08 <sup>th</sup> Jan 2017
+++++											
11	289.0	#851	Kau Yi Chau	CHN	China [Hong Kong]	(852	(853	22°17'04N	114°04'58E	200	
11	289.0	#351	Cabo Mayor	ESP	Spain	(502		43°24'00N	004°25'00W	100	Type 9
11	289.0	#122	Campbell Bay	IND	India	(444	(445	06°59'63N	093°56'61E	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	200	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°27'62N	080°32'74W	100	Type 3
11	289.0	#806	Driver, VA	USA	United States	(012	(013	36°57'48N	076°33'44W	100	Type 9
+++++											
12	289.5	#451	Hammerodde Lt, Bornholm	DNK	Denmark	(700	(701	55°17'97N	014°46'43E	100	Type 3,7,9
12	289.5	#037	UNIDENTIFIED	XUU	Unknown	(037					heard February 2012
+++++											
13	290.0	#242	Abrolhos Lt	BRA	Brazil	(461		17°57'47S	038°41'45W	100	
13	290.0	#278	Rio Grande	BRA	Brazil	(464		32°08'58S	052°06'08W	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°24'35N	028°13'75E	100	
13	290.0	#120	Paradip	IND	India	(440	(441	20°15'00N	086°39'19E	100	
13	290.0		Sellia Marina	ITA	Italy			38°52'00N	016°43'00E	100	planned?
13	290.0	#665	Mara Do Lt	KOR	South Korea	(730	(731	34°13'30N	125°51'00E	200	
13	290.0	#821	Bintulu	MLA	Malaysia			03.11'00N	130.20'00E	200	on trial
13	290.0	#344	Leca	POR	Portugal	(488	(489	41°12'00N	008°42'00W	200	
13	290.0		Izmail or Vilkovo	UKR	Ukraine			45°19'09N	028°51'06E		planned?
13	290.0	#799	Penobscot, ME	USA	United States	(044	(045	44°27'10N	068°46'33W	200	Type 9
+++++											
14	290.5	#447	Flamborough Head Lt	ENG	England	(687	(697	54°06'94N	000°04'87W	100	Type 9, Type 7
14	290.5	#408	Kokkola	FIN	Finland	(608		63°50'00N	023°10'00E	100	Type 9
+++++											
15	291.0	#205	Cape Recife	AFS	South Africa	(225	(245	34°01'73S	025°42'07E	100	
15	291.0	#610	Yanwei Gang	CHN	China	(620	(621	34°28'82N	119°46'84E	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°11'89N	001°21'85W	100	Type 9
15	291.0	#364	Cabo Salou	ESP	Spain	(528		41°03'00N	001°10'00E	100	
15	291.0	#741	Kuantan	MLA	Malaysia	(122	(123	03°49'00N	103°20'00E	200	
15	291.0	#380	Bechet	ROU	Romania	(550	(551	43°45'08N	023°57'19E	200	
+++++											
16	291.5	#605	Yingkou	CHN	China	(610	(611	40°17'48N	122°06'69E	200	
16	291.5	#008	Andreya	RUS	Russia [Eu]	(008		76°47'00N	110°46'00E	100	on trial
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	#670	Chōjin Dan Lt	KOR	South Korea	(740	(741	38°33'15N	128°23'90E	200	
17	292.0	#022	Doobsky	RUS	Russia [Eu]	(022		44°37'60N	037°54'80E	100	on trial
17	292.0	#460	Holmsjö	SWE	Sweden	(720		56°26'00N	015°39'00E	100	Type 3,7,9
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°26'51N	124°23'78W	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°28'86N	079°20'58W	100	Type 3,9
+++++											
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		UNIDENTIFIED	XUU	Unknown	(004				100	Type 9 on trial??
+++++											
19	293.0	#362	Mahon, Menorca	BAL	Balearics	(524	(525	39°51'91N	004°18'41E	100	
19	293.0	#353	Estaca de Bares	ESP	Spain	(505	(506	43°47'17N	007°41'06W	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 7,9
19	293.0	#803	Moriches, NY	USA	United States	(006	(007	40°47'40N	072°44'83W	100	Type 9
19	293.0	#814	English Turn, LA	USA	United States	(028	(029	29°52'70N	089°56'50W	200	Type 3,9
+++++											
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
+++++											
21	294.0	#714	Darwin, NN	AUS	Australia	(014		12°26'43S	130°57'31E	200	Type 3,5,7,9,16 165 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	
+++++											
22	294.5	#361	Cala Figuera	BAL	Balearics	(522	(523	39°27'46N	002°31'34E	100	Type 9
22	294.5	#024	Oleniy Island	RSE	Russia [East]	(024		72°36'00N	077°39'00E	100	on trial

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°28'01N	133°05'52W	100	
23	295.0		Monirampur	BGD	Bangladesh	(201		23.00°59N	089.14°04E	200	
23	295.0	#939	Partridge Island, NB	CAN	Canada	<b>(326</b>	<b>(327</b>	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	<b>(850</b>	<b>(851</b>	50°18'04N	014°29'02E	100	Type 6,9,16
23	295.0	#352	Cabo Penas	ESP	Spain	<b>(504</b>		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 (Piale)	ITA	Italy			38°13'50N	015°38'70E	100	Planned?
23	295.0	#632	Soya Misaki Lt	JPN	Japan	(664	(665	45°31'17N	141°56'40E	200	
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	#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°53'87N	128°50'03E	200	
23	295.0	#664	Eocheong Do Lt	KOR	South Korea	(728	(729	36°07'48N	125°58'12E	200	
23	295.0	#141	Kuwait	KWT	Kuwait	(482	<b>(483</b>	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		Do Son	VTN	Vietnam			20°41'40N	106°47'41E	200	
23	295.0		Vung Tau	VTN	Vietnam			10°23'46N	107°08'44E	200	
23	295.0		QuangNam	VTN	Vietnam			15°47'42N	108°24'48E	200	
23	295.0	#038	UNIDENTIFIED	XUU	Unknown	(038				200	heard March 2009
23	295.0	#777	UNIDENTIFIED	XUU	Unknown	(777		(heard in Sydney, Australia)		200	Type 1, 2
+++++											
24	295.5	#531	Narva	EST	Estonia	(841		59°28'02N	028°02'25E	100	Type 9
24	295.5	#444	Butt of Lewis Lt	SCT	Scotland	<b>(684</b>	(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	<b>(312</b>	<b>(313</b>	45°19'28N	073°18'62W	200	Type 9
25	296.0	#453	Skagen West Lt	DNK	Denmark	<b>(710</b>	<b>(711</b>	57°44'98N	010°35'78E	100	Type 9
25	296.0	#354	Cabo Finisterre	ESP	Spain	<b>(508</b>		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	<b>(755</b>	(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	<b>(101</b>	46°42'30N	092°00'91W	100	
+++++											
26	296.5	#382	Agigea	ROU	Romania	(554	(555	44°06'30N	028°37'83E	100	
26	296.5	#469	Goteborg	SWE	Sweden	<b>(736</b>		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	Unknown						heard 15 <sup>th</sup> December 2003

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27	297.0	#715	Exmouth, WE	AUS	Australia	(015		21°53'06S	114°08'04E	200	Type 3,5,7,9,16 240 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	#086	Odessky	UKR	Ukraine			46°22'64N	030°44'85E	200	Type 9
27	297.0	#001	UNIDENTIFIED	XUU	Unknown						heard 26 <sup>th</sup> February 2012
+++++											
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	(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 3,9
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	off air?
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	Sohûksando Lt (Gageodo)	KOR	South Korea	(738	(739	34°05'46N	125°06'01E	200	
29	298.0		Cap Ferro	SAR	Sardinia			41°09'00N	009°31'00E	100	planned?
29	298.0	#746	Pulau Satumu (Raffles)	SNG	Singapore	(132	(133	01°09'53N	103°44'45E	200	
29	298.0	#468	Nynashamn	SWE	Sweden	(734		58°56'44N	017°57'28E	100	Type 1
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 3,9
30	298.5	#358	Punta Sabinal	ESP	Spain	(516		36°43'42N	002°11'50W	100	Type 9
30	298.5	#002	Shepelevskiy 1	RUS	Russia [Eu]	(002		59°59'00N	029°08'00E	200	on trial - Type 1
+++++											
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	200	planned?
31	299.0	#748	Danang	VTN	Vietnam	(199	(200	38°51'83N	121°49'50E	200	
+++++											
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	(514		36°43'00N	004°25'00W	100	
33	299.5	#054	Lopatka	RSE	Russia [East]	(054		50°52'00N	156°40'00E	100	on trial
32	299.5	#463	Skutskar	SWE	Sweden	(726		60°37'00N	017°26'00E	100	Type 9
+++++											
33	300.0		Rupchandrapur	BGD	Bangladesh	(101		24.48°51N	090.26°28E	200	
33	300.0	#211	Ponta se Sao Marcos Lt	BRA	Brazil	(460		02°29'19S	044°18'06W	100	
33	300.0	#248	Sao Tome Lt	BRA	Brazil	(465		22°02'33S	041°03'14W	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		Barberyn Lt	CLN	Sri Lanka	(943		06°27'80N	079°58'10E	200	
33	300.0	#880	Kokole Point, Hi	HWA	Hawaii	(260	(261	21°59'03N	159°45'53W	200	
33	300.0	#660	Yöng Do Lt	KOR	South Korea	(720	(721	35°03'75N	129°04'25E	200	
33	300.0		Skrova	NOR	Norway			68°09'00N	014°39'00E	200	planned?
33	300.0	#150	Ras Al Hadd	OMA	Oman	(490	(491	22°28'12N	059°47'01E	200	
33	300.0	#055	Alevina	RSE	Russia [East]	(055		58°50'00N	151°21'00E	100	on trial
33	300.0	#871	Appleton, WA	USA	United States	(172	(173	45°46'92N	121°19'57W	100	
33	300.0	#004	UNIDENTIFIED	XUU	Unknown					100	Type 6 [hrd 16 <sup>th</sup> feb 2009]

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34 300.5

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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	#427	Ijmuiden Phare	HOL	Netherlands	(654?		52°28'00N	005°35'00E	100	Type 9 on trial? Nov 2014
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	200	Type 1
35	301.0	#482	Rozewie	POL	Poland	(743	(744	54°49'83N	018°20'12E	100	Type 3,9
35	301.0	#056	Krasnoie	RSE	Russia [East]	(056		58°06'80N	140°52'30E	100	on trial
35	301.0	#373	Rumelifeneri	TUR	Turkey	(545	(546	41°14'19N	029°06'46E	200	Type 9
35	301.0	#847	Annapolis, MD	USA	United States	(058	(059	39°00'65N	076°36'36W	200	Type 9

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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	#057	Caranginsky	RSE	Russia [East]	(057		58°33'00N	163°33'00E	100	on trial

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37	302.0	#359	Cabo de Palos	ESP	Spain	(517	(518	37°38'08N	000°41'41W	100	Type 9
37	302.0	#426	Gilze Rijen	HOL	Netherlands	(652	(653	51°37'00N	004°56'00E	200	Type 9
37	302.0	#639	Shiriya Saki	JPN	Japan	(678	(679	41°25'72N	141°27'68E	200	
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	#972	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°39'97N	117°14'60W	100	
37	302.0	#888	Whidbey Island, WA	USA	United States	(276	(277	48°18'80N	122°41'80W	100	

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38	302.5	#490	Koblenz	DEU	Germany	(760		50°22'00N	007°35'00E	100	Test Station
38	302.5	#493	Koblenz [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°00'07N	005°36'57W	100	Type 9
38	302.5	#508	Svinoy Lt	NOR	Norway	(788	(818	62°19'65N	005°16'38E	200	Type 1



38	302.5		Kapp Martin Lt, Bellsund	SVB	Svalbard			77°43'00N	013°59'00E	200	planned?
+++++											
39	303.0	#673	Pyeongchang	KOR	South Korea	(751	(752	37°20'00N	128°29'00E	200	
+++++											
40	303.5	#493	Zeven	DEU	Germany	(763		53°17'00N	009°15'00E	100	Type 9
40	303.5	#355	Rota	ESP	Spain	(510		36°38'00N	006°23'00W	100	Type 9
40	303.5	#511	Skinna Lt, Heimoy	NOR	Norway	(791	(821	65°12'07N	011°00'22E	200	Type 1,9
40	303.5	#001	Ivanov Bor?	RUS?	Russia [Eu]?	(001		59°46' 28N	38°14' 50 E	100	on trial??
(- heard by LS in Poland in August 2014, coordinates indicate near to Ivanov Bor)											
40	303.5	#043	UNIDENTIFIED (Kuzov?)	XUU(RUS?)	Russia?	(043					heard February 2012
+++++											
41	304.0	#705	Cape Flattery QD	AUS	Australia	(005		14°57'95S	145°18'05E	200	Type 3,5,7,9,16 150 watts
41	304.0	#701	Karratha WE	AUS	Australia	(001		20°42'42S	116°46'44E	200	Type 3,5,7,9,16 350 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	planned?
41	304.0	#503	Lista Lt	NOR	Norway	(783	(813	58°06'57N	006°34'20E	200	Type 1,6
41	304.0	#777	Mequon, WI	USA	United States	(218	(219	43°11'69N	088°03'59W	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 6,9
+++++											
43	305.0	#890	Biorka, AK	ALS	Alaska	(280	(281	56°51'28N	135°32'47W	100	
43	305.0		Dhazari	BGD	Bangladesh	(301		22.09°54N	092.03°17E	200	
43	305.0	#164	Cabo Calchanhar Lt	BRA	Brazil	(467		05°09'40S	035°29'11W	100	
43	305.0	#259	Ilha da Moela	BRA	Brazil	(462		24°03'05S	046°15'53W	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	#822	Kuching	MLA	Malaysia			01°43'00N	110°31'00E	200	on trial
43	305.0	#151	Ras Madrasah	OMA	Oman	(492	(493	19°02'86N	057°45'52E	200	
43	305.0	#039	UNIDENTIFIED	XUU	Unknown Russia?	(heard and logged in Finland again in April 2012 – Russia?)				200	Type 9
+++++											
44	305.5	#520	Vardo Lt	NOR	Norway	(800	(830	70°23'35N	031°10'07E	200	
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	Type 3,5,7,9,16 350 watts
45	306.0	#712	Perth, WE	AUS	Australia	(012		31°47'88S	115°55'96E	200	Type 3,5,7,9,16 230 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	#103	Utan Point Lt	IND	India	(406	(407	19°16'60N	072°47'00E	100	
45	306.0	#109	Minicoy Island Lt	IND	India	(418	(419	08°15'98N	073°01'56E	100	
45	306.0	#306	Lang Suan, Chomphon	THA	Thailand			09.56'37N	099.09'33E	200	
45	306.0		Fong-Yuan	TWN	Taiwan [ROC]			23°58'00N	120°19'00E	200	planned?
45	306.0	#772	Acushnet, MA	USA	United States	<b>(198</b>	<b>(199</b>	41°44'57N	070°53'19W	200	Type 3,9
+++++											
46	306.5		Bad-Deutsch Altenburg	AUT	Austria	<b>(431</b>		48°08'30N	016°54'17E	100	Type 9 (currently inactive)
46	306.5	#058	Povorotny	RSE	Russia [East]	(058		42°40'00N	133°02'00E	100	on trial
46	306.5	#027	Stolbovoy	RSE	Russia [East]	(027		74°10'00N	135°27'00E	100	on trial
46	306.5	#001	UNIDENTIFIED	XUU	Unknown (Russia?)	(001				100	Type 1
+++++											
47	307.0	#934	Fox Island, NS	CAN	Canada	<b>(336</b>	(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°56'42N	022°03'27E	100	Type 9
47	307.0	#334	Les Sables Olonne	FRA	France	<b>(464</b>		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	
+++++											
48	307.5	#602	Laotieshan Xijiao	CHN	China	(604	(605	38°44'00N	121°08'00E	200	
48	307.5	#612	Dajishan Lt	CHN	China	(624	(625	30°48'60N	122°10'35E	200	
48	307.5	#440	St Catherines Point Lt	ENG	England	<b>(680</b>	(690	50°34'52N	001°17'80W	100	Type 9
48	307.5	#464	Kapellskar Lt	SWE	Sweden	<b>(728</b>		59°43'08N	019°04'73E	100	Type 9
48	307.5	#374	Kumkale	TUR	Turkey	<b>(547</b>	(548	39°59'37N	026°10'84E	200	Type 9
48	307.5	#001	UNIDENTIFIED	XUU	Russia?	<b>(001</b>	(heard by <b>LS</b> , Poland in December 2014)			100	Type 6
+++++											
49	308.0	#703	Sydney, NW	AUS	Australia	(003		33°59'18S	150°58'67E	200	Type 3,5,7,9,16 140 watts
49	308.0	#342	Horta	AZR	Azores	<b>(484</b>	(485	38°32'00N	028°37'00W	200	Type 9
49	308.0	#491	Groß Mohrdorf	DEU	Germany	<b>(761</b>		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		Monfalcone	ITA	Italy			45°47'30N	013°32'20E	100	planned?
49	308.0	#745	Pedra Branca (Horsburgh)	SNG	Singapore	(130	(131	01°19'80N	104°24'34E	200	
49	308.0	#002	UNIDENTIFIED	XUU	Unknown					100	on trial??
+++++											
50	308.5	#332	Pont de Buis	FRA	France	<b>(462</b>		48°18'00N	004°05'00W	100	Type 1
50	308.5		Ventspils	LVA	Latvia			57°23'73N	021°32'28E		inactive
50	308.5	#037	Kodoshskiy 2	RUS	Russia [Eu]	(037	(038?	44°06'00N	039°02'00E	100	on trial
+++++											
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	<b>(316</b>	<b>(317</b>	46°48'75N	071°09'55W	200	Type 9
51	309.0	#333	Pen Men	FRA	France	<b>(463</b>		47°39'00N	003°31'00W	100	Type 1

51	309.0	#112	Pandiyana 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°25'41N	140°05'28E	200	
51	309.0	#653	Toi Misaki	JPN	Japan	(706	(707	31°22'20N	131°20'20E	200	
+++++											
52	309.5	#095	Baku	AZE	Azerbaijan	<b>(185</b>	(186	40°19'00N	050°36'00E	200	Type 9
52	309.5	#518	Fruholmen Lt	NOR	Norway	<b>(797</b>	<b>(827</b>	71°05'62N	023°59'20E	200	
52	309.5	#449	Nash Point Lt	WLS	Wales	<b>(689</b>	(699	51°24'03N	003°33'06W	100	Type 9
52	309.5	<b>#001</b>	UNIDENTIFIED	XUU	Unknown [Russia?]	<b>(001</b>	(heard by <b>LS</b> , Poland in November 2015)			100	Type 9, 34
+++++											
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°40'50N	151°21'01W	100	
53	310.0	#269	Cabo de Santa Marta Grande Lt	BRA	Brazil	<b>(466</b>		28°36'14S	048°48'45W	100	
53	310.0	#204	Canivete	BRA	Brazil	(463		00°30'34N	050°24'53W	100	
53	310.0	#944	Cape Norman, NL	CAN	Canada	<b>(342</b>	<b>(343</b>	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	<b>(466</b>		44°34'00N	001°15'00W	100	Type 1
53	310.0	#666	Changigot (Homigot) Lt	KOR	South Korea	(732	(734	36°04'75N	129°34'08E	200	
53	310.0	#152	Marbat	OMA	Oman	(494	(495	16°58'00N	054°45'05E	200	
+++++											
54	310.5	#604	Beitang	CHN	China	(608	(609	39°06'42N	117°43'12E	200	
54	310.5	#626	Bachu Jiao Lt	CHN	China	(652	(653	20°00'16N	110°55'97E	200	
54	310.5	#500	Faerder Lt	NOR	Norway	<b>(780</b>	<b>(810</b>	59°01'63N	010°31'57E	200	Type 1
54	310.5	<b>#000</b>	UNIDENTIFIED	XUU	Russia?	<b>(000</b>	(heard by <b>LS</b> , Poland in December 2014)			200	on trial?? - Type 6
+++++											
55	311.0	#123	Rameswaram	IND	India	(446	(447	09°17'03N	079°18'52E	100	
55	311.0	#515	Andenes, Andoya	NOR	Norway	(794	(824	69°19'67N	016°07'99E	200	
55	311.0	<b>#005</b>	Shepelevskiy 2	RUS	Russia [Eu]	<b>(005</b>		59°59'00N	029°09'00E	100	on trial - Type 9
+++++											
56	311.5	#420	Oostdyck	BEL	Belgium			51°16'00N	002°26'00E	200	planned?
56	311.5	#340	Cabo Carvoeiro Lt	POR	Portugal	<b>(480</b>	(481	39°21'53N	009°24'40W	200	Type 1
56	311.5	#461	Bjuroklubb	SWE	Sweden	<b>(722</b>		64°28'87N	021°34'75E	100	Type 9
56	311.5	#381	Harsova	ROU	Romania	(552	(553	44°40'51N	027°56'48E	200	status unknown
+++++											
57	312.0	#420	Oostende	BEL	Belgium	<b>(640</b>	(641	51°14'36N	002°55'94E	200	Type 9
57	312.0	#935	Western Head, NS	CAN	Canada	<b>(334</b>	<b>(335</b>	43°59'35N	064°39'73W	200	Type 6,9
57	312.0	#827	Tampa, FL	USA	United States	<b>(244</b>	<b>(245</b>	27°51'01N	082°31'95W	200	Type 3
+++++											

58	312.5	#345	Sao Miguel	AZR	Azores	(490	(491	37°44'00N	025°39'00W		
58	312.5	<b>#425</b>	Hoek van Holland	HOL	Netherlands	(650	(651	51°58'90N	004°06'83E	200	Type 7,9
58	312.5	#060	Crutogorova	RSE	Russia [East]	(060		55°05'00N	155°35'00E	100	on trial
+++++											
59	313.0	#897	Kodiak, AK	ALS	Alaska	(294	(295	57°37'14N	152°11'62W	100	
59	313.0	#706	Gladstone, QD	AUS	Australia	(006		24°02'21S	151°21'53E	200	Type 3,5,7,9,16 320 watts
59	313.0	#925	Moise, QC	CAN	Canada	<b>(320</b>	<b>(321</b>	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°43'29N	109°10'81E	200	
59	313.0	#121	East Island	IND	India	(442	(443	13°37'52N	093°02'49E	100	
59	313.0	#505	Utsira Lt	NOR	Norway	<b>(785</b>	<b>(815</b>	59°18'45N	004°52'33E	200	Type 1
59	313.0	#661	Palmi Do Lt	KOR	South Korea	(722	(723	37°21'50N	126°29'67E	200	
59	313.0	#061	Russian Cat	RSE	Russia [East]	(061		64°34'00N	178°33'00E	100	on trial
+++++											
60	313.5	#607	Wangjiamaido	CHN	China	(614	(615	36°04'38N	120°26'43E	200	
60	313.5	#496	Mauken	DEU	Germany	<b>(766</b>		51°43'00N	012°49'00E	100	Type 9 – sending 633!
60	313.5	#366	Cabo San Sebastian	ESP	Spain	<b>(532</b>		41°53'00N	003°12'00E	100	Type 9
60	313.5	#062	Coraskovsky	RSE	Russia [East]	(062		46°37'00N	142°48'00E	100	on trial
60	313.5	<b>#003</b>	UNIDENTIFIED	XUU	Unknown						heard February 2012
+++++											
61	314.0	#700	Crib Point, VI	AUS	Australia	<b>(000</b>		38°21'65S	145°10'10E	200	Type 3,5,7,9,16 200 watts
61	314.0	#104	Hazira	IND	India	(408	<b>(409</b>	21°05'31N	072°38'34E	100	
61	314.0	#507	Utvaer Lt	NOR	Norway	<b>(787</b>	<b>(817</b>	61°02'28N	004°30'70E	200	Type 1
61	314.0	#143	Abu Dhabi	UAE	United Arab Emirates	(486	(487	24°06'00N	052°56'00E	200	Type 7
61	314.0	#764	Lincoln, CA	USA	United States	(210	<b>(211</b>	38°50'77N	121°20'98W	200	Type 3
61	314.0	#808	Card Sound, FL	USA	United States	<b>(016</b>	<b>(017</b>	25°25'90N	080°27'09W	200	Type 3,7,9
+++++											
62	314.5	#495	Bad Abbach	DEU	Germany	<b>(765</b>		48°56'00N	012°02'00E	100	Type 9
62	314.5	#325	El Quseir	EGY	Egypt	(450	<b>(451</b>	26°08'26N	034°15'65E	200	Type 9
62	314.5	#405	Marjaniemi	FIN	Finland	<b>(605</b>		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	Type 3,5,7,9,16 300 watts
63	315.0	#704	Mackay, QD	AUS	Australia	(004		21°06'19S	149°12'68E	200	Type 3,5,7,9,16 289 watts
63	315.0	#252	Ilha Rasa Lt	BRA	Brazil	<b>(469</b>		23°03'49S	043°08'46W	100	
63	315.0	#940	Cape Race, NL	CAN	Canada	<b>(338</b>	<b>(339</b>	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	<b>#009</b>	Tsp. Navolokskiy	RUS	Russia [Eu]	<b>(009</b>		69°44'00N	033°06'00E	100	on trial - Type 1
63	315.0	#063	Van-der-Linda	RSE	Russia [East]	(063		50°52'00N	156°40'00E	100	on trial
63	315.0	<b>#035</b>	UNIDENTIFIED	XUU	Russia [Eu]?	<b>(035</b>				200	on trial?? (- heard by <b>LS</b> in Poland in August 2014)
+++++											

64	315.5		Nida	LTU	Lithuania			55°18'00N	021°00'00E		planned?
+++++											
	316.0	#709	Weipa, QD	AUS	Australia	(009		12°39'21S	141°51'61E	200	Type 3,5,7,9,16 120 watts
	316.0	#710	Corny Point SA	AUS	Australia	(010		34°53'97S	137°00'88E	200	Type 3,5,7,9,16 220 watts
	316.0	#633	Shakotan Misaki	JPN	Japan	(666	(667	43°22'30N	140°28'02E	200	
	316.0	#636	Tanga	JPN	Japan	(672	(673	35°44'10N	135°05'30E	200	
	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	
+++++											
	317.0	#606	Chengshan Jiao	CHN	China	(612	(613	37°24'00N	122°41'00E	200	
	317.0	#620	Dezhoudao	CHN	China	(640	(641	23°20'00N	116°45'00E	200	
	317.0	#119	Keating Point Lt [Nicobar island]	IND	India	(438	(439	09°15'48N	092°46'30E	100	
+++++											
	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	Type 3,5,7,9,16 350 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	
+++++											
	318.5	#421	Yuryevets	RUS	Russia [Eu]	(421		57°18'38N	043°06'25E	100	on trial? Heard Nov 2017
	318.5	#009	Kamenka	RUS	Russia [Eu]	(009		64°55'00N	040°14'00E	100	on trial
	318.5	#003	Sterlegov Cape	RSE	Russia [East]	(003		75°23'00N	088°45'00E	100	on trial
+++++											
	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		Ullüing Do	KOR	South Korea	(734	(735	37°31'07N	130°47'93E	200	
	319.0	#838	Detroit, MI	USA	United States	(116	(117	42°17'80N	083°05'70W	200	Type 9
+++++											
	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	Type 3,5,7,9,16 150 watts
	320.0	#262	Paranagua	BRA	Brazil	(470		25°29'42S	048°19'34W	100	
	320.0	#224	Sergipe	BRA	Brazil	(468		10°58'10S	037°02'12W	100	
	320.0	#907	Richmond, BC	CAN	Canada	(304	(305	49°06'50N	123°11'00W	200	
	320.0	#616	Zhenai Jiao	CHN	China	(632	(633	24°16'10N	118°07'90E	200	
	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°19'04N	081°43'53E	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°05'43N	087°23'50W	200	(closes 30 <sup>th</sup> June 2017)

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	
322.0	#671	Muju	KOR	South Korea	<b>(747</b>	(748	35°45'00N	127°34'00E	200	
322.0	#862	St Louis, MO	USA	United States	<b>(154</b>	<b>(155</b>	38°36'68N	089°45'52W	200	Type 3
322.0	#839	Youngstown, NY	USA	United States	<b>(118</b>	<b>(119</b>	43°13'80N	078°58'20W	100	Type 1,9
323.0	#889	Annette Island, AK	ALS	Alaska	(278	(279	55°04'10N	131°36'00W	100	
323.0	<b>#950</b>	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	Soch' ōng Do Lt	KOR	South Korea	(736	(737	37°45'68N	124°43'73	200	
324.0		Gizan	ARS	Saudi Arabia	(962	(963	16°53'00N	042°32'00E	200	
324.0	#844	Hudson Falls, NY	USA	United States	<b>(094</b>	<b>(095</b>	43°16'21N	073°32'31W	200	Type 3,9
324.5	#029	Indigirka	RUS	Russia [Eu]	(029		64°55'300	040°14'00E	100	on trial
325.0		UNIDENTIFIED	XUU	North America?	(684	heard by numerous listeners in North America			100	heard Sept/Oct 2016
454.0		Hagerstown, MD	USA	United States			39°33'19N	077°42'79W	1000	HADGPS test
458.0		Topeka, KS	USA	United States			39°02'72N	096°02'33W		HADGPS test
458.0		Hawk Run, PA	USA	United States			40°52'72N	078°10'81W	1000	HADGPS test
458.0		Pueblo, CO	USA	United States			38°16'80N	104°21'00W		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)

NOTE# - Due to the US Coast Guard's recent plan to shut down many of their existing Nationwide DGPS Beacons, it seems highly unlikely now that all the ones that were originally planned or proposed will ever get built now, so I have removed all of these from the list below.

<b>kHz:</b>	<b>TX ID:</b>	<b>Location:</b>	<b>COU:</b>	<b>Country:</b>	<b>REF ID:</b>	<b>REF ID:</b>	<b>Latitude:</b>	<b>Longitude:</b>	<b>BPS:</b>	<b>Notes &amp; Comments:</b>
nya		Ruse	BUL	Bulgaria			43°34'24N	025°48'52E		planned??
+++++										
nya		Cape Point	AFS	South Africa			34°21'20S	018°29'43E	100	planned?
+++++										

## BEACONS WHICH HAVE BEEN DECOMMISSIONED OR RECENTLY CLOSED OR CLOSING:

kHz:	TX ID:	Location:	COU:	Country:	REF ID:	REF ID:	Latitude:	Longitude:	BPS:	Notes & Comments:
286.0	#811	Key West, FL	USA	United States	(022	(023	24°34'94N	081°39'18W	100	closed 4th of August 2016
287.0	#416	Skardhsfjara Lt	ISL	Iceland	(632	(633	63°31'00N	017°59'00W	100	closed 2016
287.0	#849	Polson, MT	USA	United States	(060	(061	47°39'77N	114°06'88W	100	closed 4th of August 2016
287.0	#883	Pigeon Point, CA	USA	United States	(266	(267	37°11'20N	122°23'40W	100	closed 30 <sup>th</sup> of September 2018
289.0	#765	Topeka, KS	USA	United States	(202	(203	39°23'30N	096°22'80W	200	closed 4th of August 2016
289.0	#413	Skagata Lt	ISL	Iceland	(626	(627	66°07'17N	020°06'33W	100	closed 2016
289.0	#898	Cold Bay, AK	ALS	Alaska	(296	(297	55°05'50N	162°31'90W	100	closed 4th of August 2016
289.5	#414	Raufarhofn	ISL	Iceland	(628	(629	66°27'01N	015°57'25W	100	closed 2016
290.0	#877	Pahoa, HI	HWA	Hawaii	(254	(255	19°31'10N	154°57'80W	100	closed 29 <sup>th</sup> of April 2015
290.0	#869	Louisville, KY	USA	United States	(168	(169	38°00'63N	085°17'96W	200	(closes 30 <sup>th</sup> of June 2017)
291.0	#415	Djupivogur	ISL	Iceland	(630	(631	64°39'13N	014°16'62W	100	closed 2016
291.0	#845	Albuquerque, NM	USA	United States	(054	(055	34°57'60N	106°29'40W	100	closed 4th of August 2016
291.0	#788	Hawk Run, PA	USA	United States	(184	(185	40°52'80N	078°10'80W	100	closed 4 <sup>th</sup> of August 2016
292.0	#894	Cape Hinchinbrook, AK	ALS	Alaska	(288	(289	60°14'30N	146°38'80W	100	closed 11 <sup>th</sup> of January 2016
292.0	#841	Pine River, MN	USA	United States	(096	(097	46°51'81N	094°43'27W	100	closed 4th of August 2016
292.5	#409	Porvoo	FIN	Finland	(609		60°30'59N	025°10'31E	100	heard here Dec 2008, probably old TX
293.5	#411	Reykjanes Lt	ISL	Iceland	(622	(623	63°48'92N	022°42'28W	100	closed 2016
294.0	#791	Klamath Falls, OR	USA	United States	(138	(139	42°17'30N	121°40'23W	100	closed 4th of August 2016
294.0	#001	Whangaparaoa	NZL	New Zealand			36°36'20S	174°50'00E	200	dismantled 2011
294.0	#771	New Bern, NC	USA	United States	(196	(197	35°10'50N	077.02°91W	100	closed 30 <sup>th</sup> of September 2018
295.0	#812	Eglin AFB, FL	USA	United States	(024	(025	30°38'56N	086°33'15W	100	closed 4th of August 2016
295.0	#817	Isabela, PR	PTR	Puerto Rico	(034	(035	18°27'70N	067°04'00W	100	closed 4th of August 2016
295.0	#843	St. Marys, WV	USA	United States	(092	(093	39°25'63N	081°10'03W	200	closed 4th of August 2016
297.0	#833	Milwaukee, WI	USA	United States	(106	(107	43°00'10N	087°53'30W	100	decommissioned 14 <sup>th</sup> of November 2006
297.0	#792	Bobo, MS	USA	United States	(136	(137	34°06'91N	090°41'47W	200	closed 30 <sup>th</sup> of September 2018
298.0	#545	Lumut	MLA	Malaysia	(825	(826	04°15'08N	100°39'54E	200	replaced summer 2009
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
298.0	#868	Omaha, NE	USA	United States	(166	(167	41°46'70N	095°54'66W	200	closed 15 <sup>th</sup> of May 2013
298.0	#875	Essex, CA	USA	United States	(066	(067	34°45'07N	115°13'47W	100	closed 4th of August 2016
299.0	#866	Sallisaw, OK	USA	United States	(162	(163	35°22'08N	094°49'01W	200	closed 31 <sup>st</sup> of December 2016
300.0	#813	Mobile Point, AL*	USA	United States	(026	(027	30°13'70N	088°01'40W	100	decommissioned 15 <sup>th</sup> March 2011
300.0	#412	Bjargtangar Lt	ISL	Iceland	(624	(625	65°30'10N	024°31'50W	100	closed 2016
301.0	#822	Macon, GA	USA	United States	(048	(049	32°41'67N	083°33'62W	200	closed 4th of August 2016
301.0	#837	Saginaw Bay, MI	USA	United States	(114	(115	43°37'70N	083°50'30W	100	closed 4th of August 2016
301.0	#828	Angleton, TX	USA	United States	(246	(247	29°18'05N	095°29'04W	100	closed 30 <sup>th</sup> of September 2018
303.0	#824	Greensboro, NC	USA	United States	(046	(047	36°41'20N	079°44'68W	100	closed 4th of August 2016
303.0	#873	Myton, UT	USA	United States	(174	(175	40°06'11N	110°03'02W	100	closed 4th of August 2016
303.0	#122	Indira Point	IND	India	(444	(445	06°45'20N	093°49'40E	100	
304.0	#816	Aransas Pass, TX	USA	United States	(032	(033	27°50'30N	097°03'55W	100	closed 20 <sup>th</sup> of October 2017
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
305.0	#795	Bakersfield, CA	USA	United States	(084	(085	35°07'80N	119°06'00W	100	closed 4th of August 2016
305.0	#782	Dandridge, TN	USA	United States	(190	(191	36°01'22N	083°18'23W	100	closed 4th of August 2016
305.0	#820	Alexandria, VA	USA	United States	(040	(041	38°45'20N	077°07'70W	100	
307.0	#825	Hackleburg, AL	USA	United States	(050	(051	34°16'80N	051°39'00W	100	closed 4th of August 2016
307.0	#872	Pueblo, CO	USA	United States	(200	(201	38°16'80N	104°21'00W	100	closed 4th of August 2016



307.0	#834	Hagerstown, MD	USA	United States	(130	(131	39°33'19N	077°42'79W	100	closed 4th of August 2016
309.0	#835	Pickford, MI	USA	United States	(110	(111	46°30'90N	084°21'70W	200	closed 4th of August 2016
309.0	#850	Clark, SD	USA	United States	(146	(147	44°56'05N	097°57'63W	100	closed 4 <sup>th</sup> of August 2016
309.0	#870	Reedy Point, DE	USA	United States	(170	(171	39°33'69N	075°34'19W	200	closed 31 <sup>st</sup> of July 2017
310.0	#861	Memphis, TN	USA	United States	(152	(153	35°27'90N	090°12'30W	200	decommissioned
310.0	#884	Point Blunt, CA	USA	United States	(268	(269	37°51'19N	122°25'14W	100	decommissioned
310.0	#859	Whitney NE	USA	United States	(148	(149	42°44'00N	103°19'00W	100	closed 4th of August 2016
310.0	#773	Seneca, OR	USA	United States	(214	(215	44°09'86N	119°03'59W	100	closed 4th of August 2016
310.5	#332	Cap St Mathieu	FRA	France	(462		48°20'00N	004°46'00W	100	replaced by Pont de Buis
311.0	#863	Rock Island IL	USA	United States	(156	(157	42°00'73N	090°13'52W	200	closed 30 <sup>th</sup> of June 2017
312.0	#812	Egmont Key, FL	USA	United States	(024	(025	27°36'00N	082°45'60W	200	decommissioned
312.0	#798	Austin, NV	USA	United States	(074	(075	39°39'00N	116°70'00W	100	closed 4th of August 2016
313.0	#874	Billings, MT	USA	United States	(062	(063	45°58'33N	107°59'78W	100	closed 4th of August 2016
313.0	#860	Vicksburg, MS	USA	United States	(150	(151	32°19'90N	090°55'20W	200	
314.0	#700	Cape Shanck, VI	AUS	Australia	(000		38°29'52S	144°53'20E	200	discontinued
314.0	#832	Sturgeon Bay, WI	USA	United States	(104	(105	44°47'70N	087°18'90W	100	closed 4th of August 2016
316.0	#800	Brunswick NAS, ME	USA	United States	(042	(043	43°53'40N	069°56'80W	100	closed 4th of August 2016
316.0	#848	Spokane, WA	USA	United States	(068	(069	47°31'20N	117°25'20W	100	closed 4th of August 2016
317.0	#858	Hartsville, TN	USA	United States	(144	(145	36°24'61N	086°50'37W	100	closed 4th of August 2016
317.0	#864	St Paul [Alma], MN	USA	United States	(158	(159	44°18'20N	091°54'20W	200	closed 30th of June 2017
318.0	#878	Chico, CA	USA	United States	(256	(257	39°25'80N	121°36'00W	100	closed 4th of August 2016
318.0	#823	Summerfield, TX	USA	United States	(052	(053	34°49'20N	102°30'60W	100	closed 4th of August 2016
319.0	#876	Flagstaff, AZ	USA	United States	(064	(065	35°13'18N	111°49'06W	100	closed 4th of August 2016
319.0	#818	Savannah, GA	USA	United States	(036	(037	32°08'40N	081°42'00W	100	closed 4th of August 2016
320.0	#865	Millers Ferry, AL	USA	United States	(160	(161	32°54'00N	087°23'50W	200	closed 30th of June 2017
321.0	#882	Lompoc, CA	USA	United States	(264	(265	34°49'52N	120°33'87W	100	closed 4th of August 2016
322.0	#810	Miami, FL	USA	United States	(020	(021	25°44'00N	080°09'60W	100	closed September 2009
323.0	#887	Robinson Point, WA	USA	United States	(274	(275	47°23'32N	122°22'48W	200	closed 30 <sup>th</sup> of September 2018
325.0	#802	Chatham Lt, MA	USA	United States	(004	(005	41°40'30N	069°57'00W	100	decommissioned
325.0	#851	Medora, ND	USA	United States	(176	(177	46°54'60N	103°16'20W	100	closed 4th of August 2016

## 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, since even many of the "official" lists seem to have problems in obtaining information about some of the beacons. It should therefore only be considered as an attempt to create a workable list for DGPS enthusiasts and Beacon DXers to use. As always, any updates and corrections are greatly welcomed, especially 'Message Type' information, and actual transmitted ID information, and in particular, any information at all about the 'UNIDENTIFIED' beacons, 'Type 3' messages are especially helpful, as these often contain the Latitude and Longitude of the transmitter site.

Most of the material in this database came from the following sources, my thanks to all of them, and my sincere apologies to anyone I accidentally left out (do let me know if you're not here and think you should be!):

Admiralty List of Radio Signals Volume 2

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AMSA (Australia) Website

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**Byron Johnson**, USA

Canadian Coastguard Website

Commissioners for Irish Lights Website

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FVT - German Federal Waterways Website

GIS Forum Danube

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**IALA World Database**

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Northern Lighthouse Board Website

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**Peter Selwyn**, Navcom Dynamics New Zealand

Puertos del Estado - <http://dgps.puertos.es/>

Radionavigation News

**Roger Caird**, Ireland

Starlink DGPS Website

**Steve Ratzlaff**, USA

**Teijo Mäenpää**, Finland

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Trinity House Website

US Coast Guard Nav Center

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