

WORLD DGPS DATABASE FOR DXERS

(SORTED BY FREQUENCY ORDER)

Version 13.0

Last updated: 4th of December 2021

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/ndbinfo/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 cannot 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: <https://rx.classaxe.com/en/reu/signals>
- #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 2021

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 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.
- NOTE: #8** - In Region One the Bandplan is 283.5 to 315.0 kHz with 0.5 kHz channel spacing, In Regions Two and Three this is 285.0 kHz to 325.0 kHz.

kHz:	TX ID:	Location:	COU:	Country:	REF ID:	REF ID:	Latitude:	Longitude:	LOC:	BPS:	Message Type & Notes:
283.5	#481	Dziwnow	POL	Poland	(741	(742	54°01'32N	014°43'85E	JO74ia	100	Type 1,9
283.5	#050	Petropavlovsky	RSE	Russia [East]			52°53'00N	158°42'00E	QO92iv	100	
283.5	#028	Astrahansky	RUS	Russia [Eu]	(028		44°41'00N	047°35'00E	LN34tq	100	
283.5	#029	Astrahansky	RUS	Russia [Eu]	(029		44°41'00N	047°35'00E	LN34tq	100	
283.5	#003	Mud'iugsky	RUS	Russia [Eu]	(003		64°55'00N	040°14'00E	LP04cw	100	
283.5	#504	UNIDENTIFIED	XUU	Unknown						100	Type 9 [hrd Aug 2008]
+++++											
284.0	#320	Great Pass Low Lt, Alexandria	EGY	Egypt	(440	(441	31°09'28N	029°50'77E	KM41wd	200	
284.0	#430	Mizen Head	IRL	Ireland	(660	(661	51°27'05N	009°48'80W	HO51bk	100	Type 3,9
284.0	#516	Torsvag Lt	NOR	Norway	(796	(826	70°14'73N	019°30'57E	JQ90sf	200	
284.0	#051	Krasny Partizan	RSE	Russia [East]	(051		48°59'00N	140°23'00E	KN68qx	100	
+++++											
284.5	#004	Kaninsky	RUS	Russia [Eu]	(004		68°39'20N	043°17'60E	LP18pp	100	
+++++											
285.0	#350	Cabo Machichaco	ESP	Spain	(500		43°27'00N	002°45'00W	IN83pk	100	Type 9
285.0	#052	Africa	RSE	Russia [East]	(052		56°11'00N	163°21'00E	RO16qe	100	
285.0	#036	Temiryukskiy 1	RUS	Russia [Eu]	(036		45°20'00N	037°14'00E	KN85oi	100	
285.0	#741	Truong Sa	VTN	Vietnam	(167	(168	08°38'34N	111°55'05E	OJ58xp	200	
+++++											
285.5	#053	Basargina	RSE	Russia [East]	(053		43°03'00N	131°57'00E	PN53xb	100	
285.5	#443	Stirling [Earls Hill]	SCT	Scotland	(693		56°04'00N	004°04'00W	IO67xb	100	Type 9
+++++											
286.0	#918	Wiaraton, ON	CAN	Canada	(310	(311	44°45'00N	081°07'00W	EN94ks	200	Type 9
286.0	#676	Chuncheon	KOR	South Korea	(757	(758	37°59'67N	127°42'90E	PM37ux	200	
286.0	#001	Semikarakorsk?	RUS	Russia	(001		47°32'36N	40°51' 95E	LN07kn	200	
286.0	#010	Kochetovskaya?	RUS	Russia	(010		47°33'54N	40°51' 74E	LN07kn	100	

(heard by JS in Finland February 2020, coordinates indicate near to Kochetovskaya)											
286.0		Hou-Long	TWN	Taiwan [ROC]			24°38'00N	120°46'00E	PL04jp	200	
286.0	#743	Mong Cai	VTN	Vietnam	(186	(187	21°31'30N	107°58'02E	DL61am	200	Type 6,9
286.0	#742	UNIDENTIFIED	VTN?	Vietnam?			(heard in Sydney, Australia)			200	
+++++											
286.5	#617	Lingkun	CHN	China	(634	(635	27°58'70N	120°54'00E	PL07kx	200	
286.5	#339	Porquerolles	FRA	France	(469		42°59'00N	006°12'00E	JN32cx	100	
286.5	#001	Baltiysk	KAL	Kaliningrad	(001		54°38'00N	019°54'00E	JO94wp	200	Type 1
286.5	#513	Skomvaer Lt, Rost	NOR	Norway	(793	(823	67°24'68N	011°52'60E	JP57wj	200	
+++++											
287.0	#623	Fangchen Gang	CHN	China	(646	(647	21°35'00N	108°19'00E	OL41dn	200	
287.0	#624	Daya Wan	CHN	China	(648	(649	22°42'40N	114°33'20E	OL72gr	200	new July 2017
287.0	#406	Klamila	FIN	Finland	(606		60°30'00N	027°26'00E	KP30rm	100	Type 9
287.0	#662	Geomun Do Lt	KOR	South Korea	(724	(725	34°00'47N	127°19'25E	PM34ps	200	
287.0		Makiš	SRB	Serbia	(685		44°45'19N	020°20'34E	KN04es	100	
+++++											
287.5	#603	Qinhuangdao	CHN	China	(606	(607	39°54'00N	119°36'00E	OM99tv	200	
287.5	#401	Mantyluoto	FIN	Finland	(601		61°35'58N	021°27'90E	KP01ro	100	Type 9
287.5	#454	Torshavn	FRO	Faroes	(715	(716	62°01'23N	006°50'27W	IP62na	100	Type 3,9
287.5	#343	Porto Santo	MDR	Madeira	(486	(487	33°04'00N	016°21'00W	IM13tb	200	Type 6,9
+++++											
288.0	#942	Cape Ray, NL	CAN	Canada	(340	(341	47°37'68N	059°14'27W	GN07jo	200	Type 9
288.0	#105	Aguada Lt	IND	India	(410	(411	15°29'47N	073°46'40E	MK65vl	100	
288.0	#740	Bagan Datuk	MLA	Malaysia	(120	(121	03°59'00N	100°47'00E	OJ03jx	200	
288.0	#095	Yenikalsky	UKR	Ukraine			45°23'80N	036°38'15E	KN85hj	200	Type 9
288.0	#746	Phu Quoc	VTN	Vietnam	(197	(198	10°01'04E	104°01'04E	OK20aa	200	
+++++											
288.5	#365	Pont Llobregat	ESP	Spain	(530		41°19'00N	002°39'00E	JN11hh	100	
288.5	#435	Tory Island Lt	IRL	Ireland	(670	(671	55°16'00N	008°15'00W	IO55vg	100	Type 9
288.5	#008	Sulakskiy	RUS	Russia [Eu]	(008		43°16'00N	047°32'00E	LN33sg	100	
288.5	#470	Otterbäcken	SWE	Sweden	(738		58°52'00N	014°06'31E	JO78bu	100	Type 9
288.5	#590	UNIDENTIFIED	XUU	(Unknown Greece? - heard 8 th Nov 2008 & again on 08 th Jan 2017)							
+++++											
289.0	#851	Kau Yi Chau	CHN	China [Hong Kong]	(852	(853	22°17'04N	114°04'58E	OL72ag	200	
289.0	#351	Cabo Mayor	ESP	Spain	(502		43°24'00N	004°25'00W	IN73tj	100	Type 9
289.0	#122	Campbell Bay	IND	India	(444	(445	06°59'63N	093°56'61E	NJ66xx	100	
289.0	#672	Yeongju	KOR	South Korea	(749	(750	36°51'00N	128°32'00E	PM46gu	200	
289.0	#462	Jarnas	SWE	Sweden	(724		63°28'71N	019°39'18E	JP93tl	100	Type 9
+++++											

289.5	#451	Hammerodde Lt, Bornholm	DNK	Denmark	(700	(701	55°17'97N	014°46'43E	IO25og	100	Type 3,7,9
289.5	#037	UNIDENTIFIED	XUU	Unknown	(037		(heard by LS in Poland August 2012)			200	
289.5	#001	Kamskoye Ustye	RUS	Russia	(001		55°11'44N	049°17'74E	LO45pe	100	Type 3,9

(heard by **JS** in Finland February 2020 Type 3 coordinates indicate near to Kamskoye Ustye)

+++++

290.0	#242	Abrilhos Lt	BRA	Brazil	(461		17°57'47S	038°41'45W	HH02pa	100	
290.0	#278	Rio Grande	BRA	Brazil	(464		32°08'58S	052°06'08W	GF37wu	100	
290.0	#947	Labrador	CAN	Canada	(346		56°26'00N	061°58'00W	FO96ak	200	privately operated
290.0	#452	Blavandshuk Lt	DNK	Denmark	(705	(706	55°33'52N	008°05'07E	JO45bn	100	Type 9
290.0	#321	Port Said Lt	EGY	Egypt	(442	(443	31°16'34N	032°17'57E	KM61dg	200	
290.0	#402	Puumala	FIN	Finland	(602		61°24'35N	028°13'75E	KP41cj	100	
290.0	#120	Paradip	IND	India	(440	(441	20°15'00N	086°39'19E	NL30hg	100	
290.0	#665	Mara Do Lt	KOR	South Korea	(730	(731	34°13'30N	125°51'00E	PM24wf	200	
290.0	#821	Bintulu	MLA	Malaysia			03°11'00N	130°20'00E	PJ53ee	200	
290.0	#344	Leca	POR	Portugal	(488	(489	41°12'00N	008°42'00W	IN51pe	200	

+++++

290.5	#447	Flamborough Head Lt	ENG	England	(687	(697	54°06'94N	000°04'87W	IO94xc	100	Type 7, 9
290.5	#408	Kokkola	FIN	Finland	(608		63°51'52N	023°10'44E	KP13ou	100	Type 9

+++++

291.0	#205	Cape Recife	AFS	South Africa	(225	(245	34°01'73S	025°42'07E	KF25ux	100	
291.0	#610	Yanwei Gang	CHN	China	(620	(621	34°28'82N	119°46'84E	OM94vl	200	
291.0	#621	Sanzao	CHN	China	(642	(643	22°00'00N	113°24'00E	OL62qa	200	
291.0	#439	Wormleighton	ENG	England	(691		52°11'89N	001°21'85W	IO92he	100	Type 9
291.0	#364	Cabo Salou	ESP	Spain	(528		41°03'00N	001°10'00E	JN01nb	100	
291.0	#741	Kuantan	MLA	Malaysia	(122	(123	03°48'53N	103°20'12E	OJ13qt	200	
291.0	#380	Bechet	ROU	Romania	(550	(551	43°45'08N	023°57'19E	KN13xs	200	

+++++

291.5	#605	Yingkou	CHN	China	(610	(611	40°17'48N	122°06'69E	PN10bh	200	
291.5	#008	Andreya	RUS	Russia [Eu]	(008		76°47'00N	110°46'00E	OQ56js	100	
291.5	#445	Sumburgh	SHE	Shetland Isles	(685	(695	59°52'08N	001°16'35W	IO99iu	100	Type 9

+++++

292.0	#208	Cooper Lt	AFS	South Africa	(228	(248	29°56'12S	031°00'32E	KG50mb	100	
292.0	#670	Chōjin Dan Lt	KOR	South Korea	(740	(741	38°33'15N	128°23'90E	PM48en	200	
292.0	#022	Doobsky	RUS	Russia [Eu]	(022		44°37'60N	037°54'80E	KN84wo	100	
292.0	#235	UNIDENTIFIED	RUS	Russia	(235		48°40'15N	043°51'37E	LN18wq	200	Type 3,9
							(heard by JS in Finland March 2020 Type 3 coordinates indicate near to Volgograd Oblast)				
292.0	#460	Holmsjö	SWE	Sweden	(720		56°26'38N	015°39'18E	JO76tk	100	Type 3,7,9
292.0	#142	Ras Al Khaymah	UAE	United Arab Emirates	(484	(485	25°59'00N	056°04'00E	LL85ax	200	

+++++

292.5	#407	Haarajoki	FIN	Finland	(607		60°30'60N	025°10'30E	KP20om	100	Type 9
-------	------	-----------	-----	---------	------	--	-----------	------------	--------	-----	--------

+++++											
293.0	#362	Mahon, Menorca	BAL	Balearics	(524	(525	39°51'91N	004°18'41E	JM29du	100	
293.0	#353	Estaca de Bares	ESP	Spain	(505	(506	43°47'17N	007°41'06W	IN63ds	100	Type 9
293.0	#101	Porbandar	IND	India	(402	(403	21°37'00N	069°37'00E	ML41to	100	
293.0	#432	Loop Head Lt	IRL	Ireland	(665	(666	52°33'65N	009°55'90W	IO52an	100	Type 9
293.0	#466	Kullen High Lt	SWE	Sweden	(732		56°18'10N	012°27'35E	JO66fh	100	Type 7,9
+++++											
293.5	#494	Iffezheim	DEU	Germany	(764		48°49'52N	008°06'42E	JN48bt	100	Type 9
293.5	#322	Ras Umm Sidd Lt	EGY	Egypt	(444	(445	27°50'90N	034°18'80E	KL77du	200	
293.5	#400	Porkkala Pilot Station	FIN	Finland	(600		59°58'51N	024°23'72E	KO29ex	100	Type 9
+++++											
294.0	#428	Vlieland Lt	HOL	Netherlands	(655	(656	53°18'00N	005°04'00E	JO23mh	200	Type 9
294.0	#742	Bandar Melaka	MLA	Malaysia	(124	(125	02°11'17N	102°14'20E	OJ12ce	200	
+++++											
294.5	#024	Oleniy Island	RSE	Russia [East]	(024		72°36'00N	077°39'00E	MQ82to	100	
294.5	#085	Ostrov Zmeiny	UKR	Ukraine			45°15'00N	030°12'00E	KN55cg	200	
+++++											
295.0		Monirampur	BGD	Bangladesh	(201		23°00'59N	089°14'04E	NL43oa	200	
295.0	#939	Partridge Island, NB	CAN	Canada	(326	(327	45°14'21N	066°03'23W	FN65xf	200	Type 9
295.0	#614	Shitang	CHN	China	(628	(629	28°16'00N	121°37'00E	PL08tg	200	
295.0	#627	Sanya	CHN	China	(654	(655	18°17'00N	109°22'00E	OK48gg	200	
295.0		Colombo Lt	CLN	Sri Lanka	(941		06°57'75N	079°51'60E	MJ96ww	200	
295.0		Obristvi	CZE	Czech Republic	(850	(851	50°18'04N	014°29'02E	JO70fh	100	Type 6,9,16
295.0	#352	Cabo Penas	ESP	Spain	(504		43°39'00N	005°51'00W	IN73bp	100	Type 9
295.0	#114	Dolphins Nose Lt	IND	India	(428	(429	17°40'53N	083°17'67E	NK17pq	100	
295.0	#663	Chumunjin Dan	KOR	South Korea	(726	(727	37°53'87N	128°50'03E	PM47kv	200	
295.0	#664	Eocheong Do Lt	KOR	South Korea	(728	(729	36°07'48N	125°58'12E	PM26xd	200	
295.0	#141	Kuwait	KWT	Kuwait	(482	(483	29°07'00N	048°08'00E	LL49bc	200	Type 9
295.0		Do Son	VTN	Vietnam			20°41'40N	106°47'41E	OL30jq	200	
295.0		Vung Tau	VTN	Vietnam			10°23'46N	107°08'44E	OK30nj	200	
295.0		QuangNam	VTN	Vietnam			15°47'42N	108°24'48E	OK45et	200	
295.0	#038	UNIDENTIFIED	XUU	Unknown	(038					200	heard March 2009
295.0	#777	UNIDENTIFIED	XUU	Unknown	(777		(heard in Sydney, Australia)			200	Type 1, 2
+++++											
295.5	#531	Narva	EST	Estonia	(841		59°28'02N	028°02'25E	KO49al	100	Type 9
295.5	#444	Butt of Lewis Lt	SCT	Scotland	(684	(694	58°30'93N	006°15'72W	IO68um	100	Type 9
+++++											
296.0	#929	St. Jean Richelieu, QC	CAN	Canada	(312	(313	45°19'28N	073°18'62W	FN35ih	200	Type 9
296.0	#453	Skagen West Lt	DNK	Denmark	(710	(711	57°44'98N	010°35'78E	JO57hr	100	Type 9
296.0	#100	Okha [Humani Pt]	IND	India	(400	(401	22°28'53N	069°04'15E	ML42ml	100	

296.0	#675	Seongju	KOR	South Korea	(755	(756	36°51'00N	128°32'00E	PM46gu	200	
296.0	#743	Kuala Besar	MLA	Malaysia	(126	(127	06°12'32N	102°14'20E	OJ16cf	200	
+++++											
296.5	#382	Agigea	ROU	Romania	(554	(555	44°06'30N	028°37'83E	KN44hc	100	
296.5	#469	Goteborg	SWE	Sweden	(736		57°37'00N	011°58'00E	JO57xo	100	Type 9
296.5	#642	UNIDENTIFIED	XUU	Unknown							heard 15 th December 2003
+++++											
297.0	#116	Krishnapatnam	IND	India	(432	(433	14°15'17N	080°07'33E	NK04bg	100	
297.0	#446	Girdle Ness Lt	SCT	Scotland	(686	(696	57°08'32N	002°02'83W	IO87xd	100	Type 9
297.0	#086	Odessky	UKR	Ukraine			46°22'64N	030°44'85E	KN56ii	200	Type 9
297.0	#001	UNIDENTIFIED	XUU	Unknown							heard 26 th February 2012
+++++											
297.5		San Carlos Centro	ARG	Argentina	(001		31°58'00S	060°55'30W	FF98ma	200	
297.5	#360	Cabo de la Nao	ESP	Spain	(520		38°44'00N	000°14'00E	JM08cr	100	Type 9
297.5	#465	Hoburg	SWE	Sweden	(730		56°55'40N	018°09'20E	JO96bw	100	Type 3,9
297.5	#442	Point Lynas Lt	WLS	Wales	(682	(692	53°24'97N	004°17'30W	IO73uj	100	Type 9
+++++											
298.0	#140	Bahrain	BHR	Bahrain	(480	(481	26°07'00N	050°39'00E	LL56hc	200	off air?
298.0	#937	Hartlen Point, NS	CAN	Canada	(330	(331	44°35'32N	063°27'70W	FN84go	200	Type 9
298.0	#323	Ras Gharib	EGY	Egypt	(446	(447	28°21'10N	033°06'61E	KL68ni	200	
298.0	#669	Sohŭksando Lt (Gageodo)	KOR	South Korea	(738	(739	34°05'46N	125°06'01E	PM24nc	200	
298.0	#746	Pulau Satumu (Raffles)	SNG	Singapore	(132	(133	01°09'53N	103°44'45E	OJ11ud	200	
298.0	#468	Nynashamn	SWE	Sweden	(734		58°56'44N	017°57'28E	JO88xw	100	Type 1
+++++											
298.5	#492	Helgoland	DEU	Germany	(762		54°11'00N	007°53'00E	JO34we	100	Type 3,9
298.5	#358	Punta Sabinal	ESP	Spain	(516		36°43'42N	002°11'50W	IM86vr	100	Type 9
298.5	#002	Shepelevskiy 1	RUS	Russia [Eu]	(002		59°59'00N	029°08'00E	KO49nx	200	Type 1
+++++											
299.0	#946	Rigolet, NL	CAN	Canada	(344	(345	54°15'00N	058°30'00W	GO04sg	200	Type 9
299.0	#330	Heuville	FRA	France	(460		49°42'00N	001°16'00W	IN99iq	100	Type 1
299.0	#102	Gopnath	IND	India	(404	(405	21°12'11N	072°06'32E	ML61be	100	
299.0	#748	Danang	VTN	Vietnam	(199	(200	38°51'83N	121°49'50E	PM08vu	200	
+++++											
299.5	#448	North Foreland	ENG	England	(688	(698	51°22'49N	001°26'85E	JO01rj	100	Type 9
299.5	#357	Malaga	ESP	Spain	(514		36°43'00N	004°25'00W	IM76tr	100	
299.5	#054	Lopatka	RSE	Russia [East]	(054		50°52'00N	156°40'00E	QO80hu	100	
299.5	#463	Skutskar	SWE	Sweden	(726		60°37'00N	017°26'00E	JP80ro	100	Type 9
+++++											

300.0		Rupchandrapur	BGD	Bangladesh	(101		24°48'51N	090°26'28E	NL54ft	200	
300.0	#211	Ponta se Sao Marcos Lt	BRA	Brazil	(460		02°29'19S	044°18'06W	GJ72ul	100	
300.0	#248	Sao Tome Lt	BRA	Brazil	(465		22°02'33S	041°03'14W	GL92lb	100	
300.0	#540	Kavarna	BUL	Bulgaria	(900	(901	43°25'00N	028°22'00E	KN43ej	100	Type 9
300.0	#926	Riviere du Loop, QC	CAN	Canada	(318	(319	47°45'43N	069°36'23W	FN57es	200	Type 9
300.0	#906	Sandspit, BC	CAN	Canada	(306	(307	53°13'90N	131°48'50W	CO43cf	200	
300.0		Barberyn Lt	CLN	Sri Lanka	(943		06°27'80N	079°58'10E	MJ96kk	200	
300.0	#660	Yong Do Lt	KOR	South Korea	(720	(721	35°03'75N	129°04'25E	PM45mb	200	
300.0	#150	Ras Al Hadd	OMA	Oman	(490	(491	22°28'12N	059°47'01E	LL92vl	200	
300.0	#055	Alevina	RSE	Russia [East]	(055		58°50'00N	151°21'00E	QO58qu	100	
300.0	#004	UNIDENTIFIED	XUU	Unknown						100	Type 6 [hrd 16 th feb 2009]

+++++

300.5	#043	Tolyatti ?	RUS	Russia	(043		53°27'59N	49°49'96E	LO43vl	100	
(heard by LS in Poland November 2015, and by JS in Finland February 2020 Type 3 coordinates indicate near to Tolyatti)											

+++++

301.0	#203	Cape Aghulas	AFS	South Africa	(223	(243	34°49'78S	020°00'75E	KF05ae	100	
301.0	#622	Naozhoudao	CHN	China	(644	(645	20°54'00N	110°36'00E	OL50hv	200	
301.0	#427	Ijmuiden Phare	HOL	Netherlands	(654?		52°28'00N	005°35'00E	JO22tl	100	Type 9 on trial? Nov 2014
301.0	#107	Periyar River Lt [Azhikod Lt]	IND	India	(414	(415	10°11'90N	076°09'50E	MK80be	100	
301.0	#510	Halten Lt	NOR	Norway	(790	(820	64°10'33N	009°24'37E	JP44qe	200	Type 1
301.0	#482	Rozewie	POL	Poland	(743	(744	54°49'83N	018°20'12E	JO94et	100	Type 3,9
301.0	#056	Krasnoie	RSE	Russia [East]	(056		58°06'80N	140°52'30E	QO08kc	100	
301.0	#373	Rumelifeneri	TUR	Turkey	(545	(546	41°14'19N	029°06'46E	KN41nf	200	Type 9

+++++

301.5	#601	Dasansgan Dao Lt	CHN	China	(602	(603	38°51'83N	121°49'50E	PM08vu	200	
301.5	#404	Turku	FIN	Finland	(604		60°25'90N	022°13'25E	KP10ck	100	Type 9
301.5	#057	Caranginsky	RSE	Russia [East]	(057		58°33'00N	163°33'00E	RO18sn	100	

+++++

302.0	#359	Cabo de Palos	ESP	Spain	(517	(518	37°38'08N	000°41'41W	IM97pp	100	Type 9
302.0	#426	Gilze Rijen	HOL	Netherlands	(652	(653	51°37'00N	004°56'00E	JO21lo	200	Type 9
302.0	#972	Miraflores	PNR	Panama	(901		08°59'36N	079°35'06W	FJ08ex	200	
302.0	#467	Hjortens Udde	SWE	Sweden	(733		58°38'00N	012°40'00E	JO68hp	100	Type 9

+++++

302.5	#490	Koblenz	DEU	Germany	(760		50°22'00N	007°35'00E	JO30ti	100	Test Station
302.5	#493	Koblenz [Test Station]	DEU	Germany	(824	(825	50°22'00N	007°35'00E	JO30ti	100	Type 9
302.5	#356	Tarifa	ESP	Spain	(511	(512	36°00'07N	005°36'57W	IM76ea	100	Type 9
302.5	#508	Svinoy Lt	NOR	Norway	(788	(818	62°19'65N	005°16'38E	JP22ph	200	Type 1
302.5	#006	Sviritsa ?	RUS	Russia	(006		60°27'10N	032°55'59E	KP60lk	100	Type 3,9
(heard by JS in Finland February 2020 Type 3 coordinates indicate near to Sviritsa)											

+++++

303.0	#673	Pyeongchang	KOR	South Korea	(751	(752	37°20'00N	128°29'00E	PM47fi	200	
303.0	#691	Pudai	TWN	Chinese Tapiei	(792	(793	23°22'98N	120°08'30E	PL03af	200	
+++++											
303.5	#493	Zeven	DEU	Germany	(763		53°17'00N	009°15'00E	JO43pg	100	Type 9
303.5	#355	Rota	ESP	Spain	(510		36°38'00N	006°23'00W	IM66tp	100	Type 9
303.5	#511	Sklinna Lt, Heimoy	NOR	Norway	(791	(821	65°12'07N	011°00'22E	JP55me	200	Type 1,9
303.5	#043	UNIDENTIFIED (Kuzov?)	XUU(RUS?)	Russia?	(043						heard February 2012
303.5	#001	Ivanov Bor?	RUS?	Russia [Eu]?	(001		59°46' 28N	38°14' 50 E	KO99cs	100	
(heard by LS in Poland in August 2014, coordinates indicate near to Ivanov Bor)											
+++++											
304.0	#611	Haozhi Gang	CHN	China	(622	(623	32°01'00N	121°43'00E	PM02ua	200	
304.0	#503	Lista Lt	NOR	Norway	(783	(813	58°06'57N	006°34'20E	JO38gc	200	Type 1,6
+++++											
304.5	#403	Outokumpu	FIN	Finland	(603		62°41'00N	029°01'00E	KP42mq	100	
304.5	#338	Cap Bear Lt	FRA	France	(468		42°31'00N	003°08'27E	JN12nm	100	Type 1
304.5	#535	Klaipeda Rear Lt	LTU	Lithuania			55°43'67N	021°05'86E	LO05nr	200	Type 6,9
+++++											
305.0		Dhazari	BGD	Bangladesh	(301		22°09'54N	092°03'17E	NL62ad	200	
305.0	#164	Cabo Calchanhar Lt	BRA	Brazil	(467		05°09'40S	035°29'11W	HI24gu	100	
305.0	#259	Ilha da Moela	BRA	Brazil	(462		24°03'05S	046°15'53W	GG65uw	100	
305.0		Dondra Lt	CLN	Sri Lanka	(944		05°55'21N	080°35'59E	NJ05hw	200	
305.0	#822	Kuching	MLA	Malaysia			01°43'00N	110°31'00E	OJ51gr	200	
305.0	#151	Ras Madrasah	OMA	Oman	(492	(493	19°02'86N	057°45'52E	LK89va	200	
305.0	#039	UNIDENTIFIED	XUU	Russia?						200	Type 9
(heard by PC and DA in the UK in 2011)											
+++++											
305.5	#520	Vardo Lt	NOR	Norway	(800	(830	70°23'35N	031°10'07E	KQ50oj	200	
305.5	#341	Sagres	POR	Portugal	(482	(483	37°02'00N	009°00'00W	IM57ma	200	Type 9
+++++											
306.0	#919	Cardinal, ON	CAN	Canada	(308	(309	44°47'00N	075°25'00W	FN24gs	200	Type 9
306.0	#441	Lizard Lt	ENG	England	(681	(691	49°57'58N	005°12'07W	IN79jx	100	Type 9
306.0	#103	Utan Point Lt	IND	India	(406	(407	19°16'60N	072°47'00E	MK69jg	100	
306.0	#109	Minicoy Island Lt	IND	India	(418	(419	08°15'98N	073°01'56E	MJ68mg	100	
306.0	#306	Lang Suan, Chomphon	THA	Thailand			09°56'37N	099°09'33E	NJ99nw	200	
306.0	#690	Houlong	TWN	Chinese Tapiei	(790	(791	24°38'78N	120°46'45E	PL04fj	200	
+++++											
306.5		Bad-Deutsch Altenburg	AUT	Austria	(431		48°08'30N	016°54'17E	JN88kd	100	Type 9 (inactive)
306.5	#058	Povorotny	RSE	Russia [East]	(058		42°40'00N	133°02'00E	PN62mp	100	on trial
306.5	#027	Stolbovoy	RSE	Russia [East]	(027		74°10'00N	135°27'00E	PQ74re	100	on trial
306.5	#001	UNIDENTIFIED	XUU	Unknown (Russia?)	(001					100	Type 1

(heard by **LS** in Poland July 2012, and by **JS** in Finland February 2020)

+++++											
307.0	#934	Fox Island, NS	CAN	Canada	(336	(337	45°21'40N	061°05'50W	FN95ki	200	Type 9
307.0	#324	Mersa Martruh	EGY	Egypt	(448	(449	31°21'55N	027°14'80E	KM31ol	200	
307.0	#530	Ristna Lt	EST	Estonia	(840		58°56'42N	022°03'27E	KO18aw	100	Type 9
307.0	#334	Les Sables Olonne	FRA	France	(464		46°31'00N	001°48'00W	IN96cm	100	Type 1
307.0	#986	Cayenne [Montabo]	GUF	French Guyana	(475		04°56'10N	052°20'20W	GJ34uw	100	
307.0	#971	Gatun	PNR	Panama	(903	(904	09°15'39N	079°56'12W	FJ09ag	200	
+++++											
307.5	#602	Laotieshan Xijiao	CHN	China	(604	(605	38°44'00N	121°08'00E	PM08nr	200	
307.5	#612	Dajishan Lt	CHN	China	(624	(625	30°48'60N	122°10'35E	PM18ct	200	
307.5	#440	St Catherines Point Lt	ENG	England	(680	(690	50°34'52N	001°17'80W	IO90in	100	Type 9
307.5	#464	Kapellskar Lt	SWE	Sweden	(728		59°43'08N	019°04'73E	JO99mr	100	Type 9
307.5	#374	Kumkale	TUR	Turkey	(547	(548	39°59'37N	026°10'84E	KM39cx	200	Type 9
307.5	#001	UNIDENTIFIED	XUU	Russia?	(001		(heard by LS , Poland in December 2014)			100	Type 6
+++++											
308.0	#342	Horta	AZR	Azores	(484	(485	38°32'00N	028°37'00W	HM58qm	200	Type 9
308.0	#491	Groß Mohrdorf	DEU	Germany	(761		54°22'00N	012°55'00E	JO64ki	100	Type 9
308.0	#110	Ratnagiri	IND	India	(420	(421	16°59'00N	073°16'00E	MK66px	100	
308.0	#745	Pedra Branca (Horsburgh)	SNG	Singapore	(130	(131	01°19'80N	104°24'34E	OJ21eh	200	
308.0	#002	UNIDENTIFIED	XUU	Unknown						100	
+++++											
308.5	#332	Pont de Buis	FRA	France	(462		48°18'00N	004°05'00W	IN78wh	100	Type 1
308.5		Ventspils	LVA	Latvia			57°23'73N	021°32'28E	KO07sj		inactive
308.5	#037	Kodoshskiy 2	RUS	Russia [Eu]	(037	(038?	44°06'00N	039°02'00E	KN94mc	100	
+++++											
309.0	#909	Alert Bay, BC	CAN	Canada	(300	(301	50°35'20N	126°55'47W	CO60mo	200	
309.0	#927	Lauzon, QC	CAN	Canada	(316	(317	46°48'75N	071°09'55W	FN46kt	200	Type 9
309.0	#333	Pen Men	FRA	France	(463		47°39'00N	003°31'00W	IN87fp	100	Type 1
309.0	#112	Pandiyian Thivu	IND	India	(424	(425	08°47'00N	078°11'00E	MJ98cs	100	
+++++											
309.5	#095	Baku	AZE	Azerbaijan	(185	(186	40°19'00N	050°36'00E	LN50hh	200	Type 9
309.5	#518	Fruholmen Lt	NOR	Norway	(797	(827	71°05'62N	023°59'20E	KQ11xc	200	
309.5	#021	UNIDENTIFIED	RUS	Russia [Eu]	(021		44°34'00N	001°15'00W	IN94jn	200	Type 3, 9
(heard by JS in Finland March 2020 Type 3 coordinates indicate near to Mys Kherones)											
309.5	#449	Nash Point Lt	WLS	Wales	(689	(699	51°24'03N	003°33'06W	IO81fj	100	Type 9
309.5	#021	UNIDENTIFIED	RUS	Russia [Eu]	(021		44°35'07N	33°22'54E	KN64qo	200	Type 1, 3, 6
309.5	#001	UNIDENTIFIED	XUU	Unknown [Russia?]	(001					100	Type 9, 34
(heard by LS in Poland November 2015, and by JS in Finland February 2020)											
+++++											

310.0	#201	Cape Columbine	AFS	South Africa	(221	(241	32°49'65S	017°51'37E	JF87we	100	
310.0	#269	Cabo de Santa Marta Grande Lt	BRA	Brazil	(466		28°36'14S	048°48'45W	GG51oj	100	
310.0	#944	Cape Norman, NL	CAN	Canada	(342	(343	51°29'93N	055°49'50W	GO21cl	200	Type 9
310.0	#613	Dinghai	CHN	China	(626	(627	30°01'00N	122°04'00E	PM10aa	200	
310.0	#336	Cap Ferret	FRA	France	(466		44°34'00N	001°15'00W	IN94jn	100	Type 1
310.0	#666	Changgigot (Homigot) Lt	KOR	South Korea	(732	(734	36°04'75N	129°34'08E	PM46sb	200	
310.0	#152	Marbat	OMA	Oman	(494	(495	16°58'00N	054°45'05E	LK76jx	200	
+++++											
310.5	#604	Beitang	CHN	China	(608	(609	39°06'42N	117°43'12E	OM89uc	200	
310.5	#626	Bachu Jiao Lt	CHN	China	(652	(653	20°00'16N	110°55'97E	OL50la	200	
310.5	#500	Faerder Lt	NOR	Norway	(780	(810	59°01'63N	010°31'57E	JO59ga	200	Type 1
310.5	#000	UNIDENTIFIED	XUU	Russia?	(000		(heard by LS , Poland in December 2014)			200	Type 6
+++++											
311.0	#123	Rameswaram	IND	India	(446	(447	09°17'03N	079°18'52E	MJ99pg	100	
311.0	#515	Andenes, Andoya	NOR	Norway	(794	(824	69°19'67N	016°07'99E	JP89bh	200	
311.0	#005	Shepelevskiy 2	RUS	Russia [Eu]	(005		59°59'00N	029°09'00E	KO49nx	100	Type 9
+++++											
311.5	#340	Cabo Carvoeiro Lt	POR	Portugal	(480	(481	39°21'53N	009°24'40W	IM59hi	200	Type 1
311.5	#461	Bjuroklubb	SWE	Sweden	(722		64°28'87N	021°34'75E	KP04sl	100	Type 9
311.5	#381	Harsova	ROU	Romania	(552	(553	44°40'51N	027°56'48E	KN34xq	200	status unknown
+++++											
312.0	#420	Oostende	BEL	Belgium	(640	(641	51°14'25N	002°55'45E	JO11lf	200	Type 9
312.0	#935	Western Head, NS	CAN	Canada	(334	(335	43°59'35N	064°39'73W	FN73qx	200	Type 6,9
+++++											
312.5	#345	Sao Miguel	AZR	Azores	(490	(491	37°44'00N	025°39'00W	HM77er		
312.5	#425	Hoek van Holland	HOL	Netherlands	(650	(651	51°58'90N	004°06'83E	JO21bx	200	Type 7,9
312.5	#060	Crutogorova	RSE	Russia [East]	(060		55°05'00N	155°35'00E	QO75tc	100	
+++++											
313.0	#925	Moise, QC	CAN	Canada	(320	(321	50°11'69N	066°06'70W	FO60we	200	Type 9
313.0	#615	Tianda Shan	CHN	China	(630	(631	25°28'00N	119°42'00E	OL95ul	200	
313.0	#628	Yangpu Gang	CHN	China	(656	(657	19°43'29N	109°10'81E	OK49or	200	
313.0	#121	East Island	IND	India	(442	(443	13°37'52N	093°02'49E	NK63mp	100	
313.0	#505	Utsira Lt	NOR	Norway	(785	(815	59°18'45N	004°52'33E	JO29kh	200	Type 1
313.0	#661	Palmi Do Lt	KOR	South Korea	(722	(723	37°21'50N	126°29'67E	PM37fi	200	
313.0	#061	Russian Cat	RSE	Russia [East]	(061		64°34'00N	178°33'00E	RP94gn	100	
+++++											
313.5	#607	Wangjiamaido	CHN	China	(614	(615	36°04'38N	120°26'43E	PM06fb	200	
313.5	#496	Mauken	DEU	Germany	(766		51°43'00N	012°49'00E	JO61jr	100	Type 9 – sending 633!

313.5	#062	Coraskovsky	RSE	Russia [East]	(062		46°37'00N	142°48'00E	QN16jo	100	
313.5	#003	UNIDENTIFIED	XUU	Unknown (heard by KS in Finland February 2012, and by JS in Finland February 2020)						200	
+++++											
314.0	#104	Hazira	IND	India	(408	(409	21°05'31N	072°38'34E	ML61hc	100	
314.0	#507	Utvaer Lt	NOR	Norway	(787	(817	61°02'28N	004°30'70E	JP21ga	200	Type 1
314.0	#143	Abu Dhabi	UAE	United Arab Emirates	(486	(487	24°06'00N	052°56'00E	LL64lc	200	Type 7
+++++											
314.5	#495	Bad Abbach	DEU	Germany	(765		48°56'00N	012°02'00E	JN68aw	100	Type 9
314.5	#325	El Quseir	EGY	Egypt	(450	(451	26°08'26N	034°15'65E	KL76dd	200	Type 9
314.5	#405	Marjaniemi	FIN	Finland	(605		65°02'00N	024°34'00E	KP25ga	100	Type 9
+++++											
315.0	#252	Ilha Rasa Lt	BRA	Brazil	(469		23°03'49S	043°08'46W	GG86kw	100	
315.0	#940	Cape Race, NL	CAN	Canada	(338	(339	46°39'40N	053°04'31W	GN36lp	200	Type 9
315.0	#908	Tofino [Amphitrite Point], BC	CAN	Canada	(302	(303	48°55'52N	125°32'42W	CN78fw	200	
315.0	#111	Pondicherry Lt	IND	India	(422	(423	11°54'90N	079°49'95E	MK91vv	100	
315.0	#009	Tsp. Navolokskiy	RUS	Russia [Eu]	(009		69°44'00N	033°06'00E	KP69nr	100	Type 1
315.0	#063	Van-der-Linda	RSE	Russia [East]	(063		50°52'00N	156°40'00E	QO80hu	100	
315.0	#035	UNIDENTIFIED	XUU	Russia [Eu]?	(035		(heard by LS in Poland in August 2014)			200	
+++++											
317.0	#606	Chengshan Jiao	CHN	China	(612	(613	37°24'00N	122°41'00E	PM17ij	200	
317.0	#620	Dezhoudao	CHN	China	(640	(641	23°20'00N	116°45'00E	OL83jh	200	
317.0	#119	Keating Point Lt [Nicobar Island]	IND	India	(438	(439	09°15'48N	092°46'30E	NJ69jg	100	
317.0	#050	UNIDENTIFIED	XUU	Russia?	(050		(heard by JS in Finland February 2020)			100	
+++++											
317.5		Bolivar	ARG	Argentina	(002		36°22'30S	060°03'00W	FF93xp	200	
+++++											
318.0	#117	Sagar Island Lt	IND	India	(434	(435	21°39'42N	088°02'93E	NL41ap	100	
318.0	#674	Chungju	KOR	South Korea	(753	(754	36°58'00N	127°45'00E	PM36vx	200	
+++++											
318.5	#421	Yuryevets	RUS	Russia [Eu]	(421		57°18'38N	043°06'25E	LO17nh	100	Heard Nov 2017
318.5	#009	Kamenka	RUS	Russia [Eu]	(009		64°55'00N	040°14'00E	LP04cw	100	
318.5	#003	Sterlegov Cape	RSE	Russia [East]	(003		75°23'00N	088°45'00E	NQ45jj	100	
+++++											
319.0	#936	Point Escuminac, NB	CAN	Canada	(332	(333	47°04'30N	064°48'00W	FN77ob	200	Type 9
319.0	#115	Pulicat	IND	India	(430	(431	13°25'15N	080°19'36E	NK03dk	100	
319.0		Ullung Do	KOR	South Korea	(734	(735	37°31'07N	130°47'93E	PM57jm	200	

+++++											
320.0		Jeddah	ARS	Saudi Arabia	(961		21°28'00N	039°08'00E	KL91nl	200	
320.0	#262	Paranagua	BRA	Brazil	(470		25°29'42S	048°19'34W	GG54um	100	
320.0	#224	Sergipe	BRA	Brazil	(468		10°58'10S	037°02'12W	HH19la	100	
320.0	#907	Richmond, BC	CAN	Canada	(304	(305	49°06'50N	123°11'00W	CN89jc	200	
320.0	#616	Zhenai Jaio	CHN	China	(632	(633	24°16'10N	118°07'90E	OL94bg	200	
320.0	#106	Suratkal Point	IND	India	(412	(413	13°00'22N	074°47'43E	MK73ja	100	
320.0	#118	Antiverdi	IND	India	(436	(437	16°19'04N	081°43'53E	NK06uh	100	
+++++											
321.0	#928	Trois Rivieres, QC	CAN	Canada	(314	(315	46°23'83N	072°27'28W	FN36sj	200	
+++++											
322.0	#671	Muju	KOR	South Korea	(747	(748	35°45'00N	127°34'00E	PM35ss	200	
+++++											
323.0	#950	St Davids Head	BER	Bermuda			32°22'06N	064°38'95W	FM72qi	100	Type 1
323.0	#113	Nagapatinam	IND	India	(426	(427	10°45'58N	079°51'00E	MK90ws	100	
323.0	#668	Soch' öng Do Lt	KOR	South Korea	(736	(737	37°45'68N	124°43'73E	PM27is	200	
+++++											
324.0		Gizan	ARS	Saudi Arabia	(962	(963	16°53'00N	042°32'00E	LK16gv	200	
324.0	#555	UNIDENTIFIED	RUS	Russia [Eu]	(555		58°50'53N	038°43'18E	KO98iu	100	Type 3
							(heard by JS in Finland November 2019 Type 3 coordinates indicate near to Rybinsk, Yaroslav Oblast)				
+++++											
324.5	#029	Indigirka	RUS	Russia [Eu]	(029		64°55'30	040°14'00E	LP04cw	100	
+++++											

DGPS BEACONS WHICH HAVE BEEN CLOSED OR DECOMMISSIONED:

kHz:	TX ID:	Location:	COU:	Country:	REF ID:	REF ID:	Latitude:	Longitude:	BPS:	Notes & Comments:
284.0	#367	La Entallada	CNR	Canary Isles	(534		28°13'70N	013°56'80W	100	closed in 2021
285.0	#707	Brisbane, QD	AUS	Australia	(007		27°05'15S	153°03'32E	100	closed 1 st of July 2020
286.0	#363	Castellon	ESP	Spain	(526		39°58'00N	000°01'00E	100	closed in 2021
286.0	#811	Key West, FL	USA	United States	(022	(023	24°34'94N	081°39'18W	100	closed 4th of August 2016
286.0	#804	Sandy Hook, NJ	USA	United States	(008	(009	40°28'29N	074°00'71W	200	closed in 2020
286.0	#879	Upolu Point, HI	HWA	Hawaii	(258	(259	20°14'85N	155°53'07W	100	closed in 2020
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 th of September 2018
287.0	#886	Fort Stevens, OR	USA	United States	(272	(273	46°12'29N	123°57'36W	100	closed 30 th of September 2019
288.0	#646	Daio Saki	JPN	Japan	(692	(693	34°16'50N	136°54'23E	200	closed early 2019
288.0	#655	Gesashi	JPN	Japan	(710	(711	26°26'10N	128°09'20E	200	closed early 2019
288.0	#630	Kushiro Saki	JPN	Japan	(660	(661	42°57'95N	144°22'72E	200	closed early 2019
288.0	#638	Sakata	JPN	Japan	(676	(677	38°56'60N	139°49'58E	200	closed early 2019
288.0	#892	Gustavus, AK	ALS	Alaska	(284	(285	58°24'96N	135°41'80W	100	closed in 2020
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
289.0	#809	Cape Canaveral, FL	USA	United States	(018	(019	28°27'62N	080°32'74W	100	closed in 2020
289.0	#806	Driver, VA	USA	United States	(012	(013	36°57'48N	076°33'44W	100	closed in 2020
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 th of April 2015
290.0	#869	Louisville, KY	USA	United States	(168	(169	38°00'63N	085°17'96W	200	(closes 30 th of June 2017)
290.0	#799	Penobscot, ME	USA	United States	(044	(045	44°27'10N	068°46'33W	200	closed in 2020
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 th of August 2016
292.0	#894	Cape Hinchinbrook, AK	ALS	Alaska	(288	(289	60°14'30N	146°38'80W	100	closed 11 th 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
292.0	#836	Cheboygan, MI	USA	United States	(112	(113	45°39'20N	084°27'90W	200	closed in 2020
292.0	#778	Kensington, SC	USA	United States	(192	(193	33°28'86N	079°20'58W	100	closed in 2020
292.5	#409	Porvoo	FIN	Finland	(609		60°30'59N	025°10'31E	100	heard here Dec 2008, probably old TX
293.0	#814	English Turn, LA	USA	United States	(028	(029	29°52'70N	089°56'50W	200	Type 3,9
293.0	#803	Moriches, NY	USA	United States	(006	(007	40°47'40N	072°44'83W	100	closed in 2020

293.5	#411	Reykjanes Lt	ISL	Iceland	(622	(623	63°48'92N	022°42'28W	100	closed 2016
294.0	#714	Darwin, NN	AUS	Australia	(014		12°26'43S	130°57'31E	200	closed 1 st of July 2020
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 th of September 2018
294.5	#361	Cala Figuera	BAL	Balearics	(522	(523	39°27'46N	002°31'34E	100	closed in 2021
295.0	#891	Level Island, AK	ALS	Alaska	(282	(283	56°28'01N	133°05'52W	100	closed in 2020
295.0	#632	Soya Misaki Lt	JPN	Japan	(664	(665	45°31'17N	141°56'40E	200	closed early 2019
295.0	#637	Hekura Shima	JPN	Japan	(674	(675	37°50'97N	136°55'40E	200	closed early 2019
295.0	#641	Inubo Saki Lt	JPN	Japan	(682	(683	35°42'25N	140°52'28E	200	closed early 2019
295.0	#647	Muroto Saki	JPN	Japan	(694	(695	33°14'90N	134°10'77E	200	closed early 2019
295.0	#651	Wakamiya Shima Lt	JPN	Japan	(702	(703	33°51'95N	129°41'30E	200	closed early 2019
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
296.0	#354	Cabo Finisterre	ESP	Spain	(508		42°53'00N	009°16'23W	100	closed in 2021
296.0	#830	Wisconsin, Point WI	USA	United States	(100	(101	46°42'30N	092°00'91W	100	closed in 2020
297.0	#715	Exmouth, WE	AUS	Australia	(015		21°53'06S	114°08'04E	200	closed 1 st of July 2020
297.0	#833	Milwaukee, WI	USA	United States	(106	(107	43°00'10N	087°53'30W	100	decommissioned 14 th of November 2006
297.0	#792	Bobo, MS	USA	United States	(136	(137	34°06'91N	090°41'47W	200	closed 30 th 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 th 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
298.0	#895	Potato Point, AK	ALS	Alaska	(290	(291	61°03'40N	146°41'80W	100	closed in 2020
299.0	#866	Sallisaw, OK	USA	United States	(162	(163	35°22'08N	094°49'01W	200	closed 31 st of December 2016
300.0	#813	Mobile Point, AL *	USA	United States	(026	(027	30°13'70N	088°01'40W	100	decommissioned 15 th March 2011
300.0	#412	Bjargtangar Lt	ISL	Iceland	(624	(625	65°30'10N	024°31'50W	100	closed 2016
300.0	#871	Appleton, WA	USA	United States	(172	(173	45°46'92N	121°19'57W	100	closed 30 th of September 2019
300.0	#880	Kokole Point, HI	HWA	Hawaii	(260	(261	21°59'03N	159°45'53W	200	closed in 2020
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	Angelton, TX	USA	United States	(246	(247	29°18'05N	095°29'04W	100	closed 30 th of September 2018
301.0	#847	Annapolis, MD	USA	United States	(058	(059	39°00'65N	076°36'36W	200	closed in 2020
302.0	#639	Shiriyu Saki	JPN	Japan	(678	(679	41°25'72N	141°27'68E	200	closed early 2019
302.0	#644	Hachijo Shima Lt	JPN	Japan	(688	(689	33°04'75N	139°51'67E	200	closed early 2019
302.0	#652	Ose Saki	JPN	Japan	(704	(705	32°36'80N	128°36'50E	200	closed early 2019
302.0	#888	Whidbey Island, WA	USA	United States	(276	(277	48°18'80N	122°41'80W	100	closed 30 th of September 2019
302.0	#881	Point Loma, CA	USA	United States	(262	(263	32°39'97N	117°14'60W	100	closed in 2020
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 th of October 2017
304.0	#705	Cape Flattery QD	AUS	Australia	(005		14°57'95S	145°18'05E	200	closed 1 st of July 2020
304.0	#701	Karratha WE	AUS	Australia	(001		20°42'42S	116°46'44E	200	closed 1 st of July 2020
304.0	#777	Mequon, WI	USA	United States	(218	(219	43°11'69N	088°03'59W	200	closed in 2020
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	
305.0	#635	Hamada Ko	JPN	Japan	(670	(671	34°52'50N	132°02'48E	200	closed early 2019
306.0	#708	Ingham, QD	AUS	Australia	(008		18°20'34S	146°18'35E	200	closed 1 st of July 2020
306.0	#712	Perth, WE	AUS	Australia	(012		31°47'88S	115°55'96E	200	closed 1 st of July 2020
306.0	#772	Acushnet, MA	USA	United States	(198	(199	41°44'57N	070°53'19W	200	closed in 2020
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
308.0	#703	Sydney, NW	AUS	Australia	(003		33°59'18S	150°58'67E	200	closed 1 st of July 2020
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 th of August 2016
309.0	#870	Reedy Point, DE	USA	United States	(170	(171	39°33'69N	075°34'19W	200	closed 31 st of July 2017
309.0	#631	Abashiri	JPN	Japan	(662	(663	43°59'33N	144°17'50E	200	closed early 2019
309.0	#643	Ken Saki	JPN	Japan	(686	(687	35°08'30N	139°40'67E	200	closed early 2019
309.0	#634	Matsumae	JPN	Japan	(668	(669	41°25'41N	140°05'28E	200	closed early 2019
309.0	#653	Toi Misaki	JPN	Japan	(706	(707	31°22'20N	131°20'20E	200	closed early 2019
310.0	#861	Memphis, TN	USA	United States	(152	(153	35°27'90N	090°12'30W	200	decommissioned
310.0	#204	Canivete	BRA	Brazil	(463		00°30'34N	050°24'53W	100	closed September 2019
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
310.0	#896	Kenai, AK	ALS	Alaska	(292	(293	60°40'50N	151°21'01W	100	closed in 2020
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 th 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
312.0	#827	Tampa, FL	USA	United States	(244	(245	27°51'01N	082°31'95W	200	closed in 2020
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	
313.0	#706	Gladstone, QD	AUS	Australia	(006		24°02'21S	151°21'53E	200	closed 1 st of July 2020
313.0	#897	Kodiak, AK	ALS	Alaska	(294	(295	57°37'14N	152°11'62W	100	closed in 2020
313.5	#366	Cabo San Sebastian	ESP	Spain	(532		41°53'00N	003°12'00E	JN11ov	closed in September 2021

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
314.0	#700	Crib Point, VI	AUS	Australia	(000		38°21'65S	145°10'10E	200	closed 1 st of July 2020
314.0	#764	Lincoln, CA	USA	United States	(210	(211	38°50'77N	121°20'98W	200	closed in 2020
314.0	#808	Card Sound, FL	USA	United States	(016	(017	25°25'90N	080°27'09W	200	closed in 2020
314.0	#764	Lincoln, CA	USA	United States	(210	(211	38°50'77N	121°20'98W	200	closed in 2020
314.0	#808	Card Sound, FL	USA	United States	(016	(017	25°25'90N	080°27'09W	200	closed in 2020
315.0	#711	Albany, WE	AUS	Australia	(011		35°05'15S	117°54'01E	200	closed 1 st of July 2020
315.0	#704	Mackay, QD	AUS	Australia	(004		21°06'19S	149°12'68E	200	closed 1 st of July 2020
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
316.0	#633	Shakotan Misaki	JPN	Japan	(666	(667	43°22'30N	140°28'02E	200	closed early 2019
316.0	#636	Tanga	JPN	Japan	(672	(673	35°44'10N	135°05'30E	200	closed early 2019
316.0	#640	Kinkasan To	JPN	Japan	(680	(681	38°16'50N	141°35'25E	200	closed early 2019
316.0	#656	Miyako Shima	JPN	Japan	(712	(713	24°43'50N	125°26'30E	200	closed early 2019
316.0	#709	Weipa, QD	AUS	Australia	(009		12°39'21S	141°51'61E	200	closed 1 st of July 2020
316.0	#710	Corny Point SA	AUS	Australia	(010		34°53'97S	137°00'88E	200	closed 1 st of July 2020
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
318.0	#713	Mallacoota, VI	AUS	Australia	(013		37°34'05S	149°44'10E	200	closed 1 st of July 2020
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
319.0	#838	Detroit, MI	USA	United States	(116	(117	42°17'80N	083°05'70W	200	closed in 2020
320.0	#865	Millers Ferry, AL	USA	United States	(160	(161	32°54'00N	087°23'50W	200	closed 30th of June 2017
320.0	#645	Nagoya	JPN	Japan	(690	(691	35°01'90N	136°50'90E	200	closed early 2019
320.0	#650	Seto	JPN	Japan	(700	(701	33°25'90N	132°13'40E	200	closed early 2019
320.0	#702	Horn Island, QD	AUS	Australia	(002		10°35'52S	142°17'49E	200	closed 1 st of July 2020
320.5	#648	E Saki	JPN	Japan	(696	(697	34°35'70N	134°59'70E	200	closed early 2019
320.5	#654	Nakano Shima	JPN	Japan	(708	(709	29°49'10N	129°55'10E	200	closed early 2019
321.0	#649	Ohama	JPN	Japan	(698	(699	34°05'20N	132°59'60E	200	closed early 2019
321.0	#642	Urayasu	JPN	Japan	(684	(685	35°36'80N	139°54'00E	200	closed early 2019
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
322.0	#862	St Louis, MO	USA	United States	(154	(155	38°36'68N	089°45'52W	200	closed in 2020
322.0	#839	Youngstown, NY	USA	United States	(118	(119	43°13'80N	078°58'20W	100	closed in 2020
323.0	#889	Annette Island, AK	ALS	Alaska	(278	(279	55°04'10N	131°36'00W	100	closed in 2020
323.0	#887	Robinson Point, WA	USA	United States	(274	(275	47°23'32N	122°22'48W	200	closed 30 th of September 2018
324.0	#844	Hudson Falls, NY	USA	United States	(094	(095	43°16'21N	073°32'31W	200	closed in 2020

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
454.0		Hagerstown, MD	USA	United States			39°33'19N	077°42'79W	1000	closed in 2020
458.0		Hawk Run, PA	USA	United States			40°52'72N	078°10'81W	1000	closed in 2020
458.0		Pueblo, CO	USA	United States			38°16'80N	104°21'00W		closed in 2020

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 are not here and think you should be!):

Admiralty List of Radio Signals Volume 2

Alex Wagner, Austria

AMSA (Australia) Website

Andy Robins, USA

Bob Zyskowski, USA

Brian Keyte, England

Byron Johnson, USA

Canadian Coastguard Website

Commissioners for Irish Lights Website

Cormac Gebruers, Ireland

David Atkins, England

DGPS List e-mail reflector

Don Ward, USA

Ferdinand Lenhardt, Germany

Fred Mooney, USA

Fritz Raab, USA

FVT - German Federal Waterways Website

GIS Forum Danube

Henrik Thiil Nielsen, Denmark

Herman Schoemaker - Editor: "QSL Review", "Section NDB" (Benelux DX-Club)

IALA World Database

Ilkka Martikainen, Finland

Jari Sillan, Finland

Jarno Fält, Finland

Jaroslav Tomek, Czech Republic

Jean Jacquemin, France

Kari Syrjänen, Finland

Karl-Erik Stridh, Sweden

Klaus Betke, Germany

Kriss Larson, USA

Leslaw Sieron SP7VCY, Poland

Martin Francis, Canada

Mark Moulding KU7Z, USA

Michael Oexner, Germany

NDB List e-mail reflector

Nick Hacko, VK2DX

Northern Lighthouse Board Website

Patrick Robic, Austria

Pav Lucistnik, Czech Republic

Peter Conway, England

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

Tjaerand S.Bauge (R.I.P.), Norway

Tom Becker, USA

Tom Jansen, Netherlands

Torbjorn Ericson, Sweden

Trinity House Website

US Coast Guard Nav Center

Vesa Heinonen, Finland

Vincent Lecler, France

Walter Blanchard (R.I.P.), England

Weekly Notices to Mariners