NDB LIST CLE No. 181 **DGPS STATIONS** **25 - 28 April 2014** **midday - midday local time**

COMBINED RESULTS
(ALL COUNTRIES)

For overall statistics, please see the covering email.

For full details, please see the individual reporters' logs,
as previously posted by them to the List.
If you spot an omission or problem in your own details below
please let me know (ndbcle'at'gmail.com)

Reporters: **Decoders used:**

AUS TA	**rw** *	Bob Warren, New Norfolk	**D**
CAN NS	**vm** *	Vernon Matheson, Truro	**M/D**
CAN ON	**ku** *	Marc Kulbacki, Windsor	**?**
CZE	**jv**	Jaroslav Tomek, Ostrava	**?**
CZE	**my** *	Milos Holy, Lhota pod Radcem	**Sp**
CZE	**ze**	Zdenek Elias, Jablonec nad Nisou, N. Bohemia	**?**
DEU	**hw**	Hartmut Wolff, Near Wolfsburg	**?**
DEU	**je**	Joachim Rabe, Norderstedt, north of Hamburg	**D**
ENG	**ag**	Alan Gale, Whitworth, Lancashire	**D**
ENG	**bk**	Brian Keyte, Bookham, Surrey	**D**
ENG	**me**	Mike Thayne, Whitley Bay	**D**
ENG	**pn** *	Dryden Phillipson, Corby	**M**
ENG	**re**	Ray Evans, Bolsover, Derbyshire	**Sp**
FIN	**ro** *	Raimo Karjalainen, Laukaa, near Jyvaskyla	**D**
FRA	**jj**	Jean Jacquemin, Bethune, Merville, near Lille	**D**
HOL	**do**	David Onley, Den Haag	**D/M**
HOL	**rb**	Roelof Bakker, Middelburg, Zealand	**D**
ITA	**rz**	Roberto Rizzardi, Porto Santo Stefano (GR)	**M**
NIR	**ry**	Robert Connolly, Kilkeel	**?**
SCT	**ds**	David Atkins, Tighnabruaich, Argyll	**D**
USA CA	**dn**	Don Tomkinson, Upland	**D/M**
USA MI	**bj** *	Byron Johnson, Roseville, Near Detroit	**Sp**
USA MI	**k4**	Ken Zichi, Port Hope	**Mm**
USA MO	**dp**	Dick Palmer, Foristell	**D**
USA NH	**jc**	John Collins, Charlestown	**D**
USA NJ	**ge**	George Muha, Cream Ridge	**D**
USA NJ	**rs** *	Bill Riches, Cape May	**D**
USA OR	**mc**	Mark McCarthy, Portland	**D**
USA TX	**du**	Douglas Springfield, New Chapel Hill, NE Texas	**D**
USA UT	**mu**	Mark Moulding, Ogden, Northern UT	**?**
USA WA	**rt**	Tom Rothlisberger, Brier	**Sp**
USA WA	**so**	Steven O'Kelley, The Dungeon, Nr Seattle	**Sp**

D	DSCdecoder
M	Multipsk
Sp	Spectrum Lab
Mm	Multi-mode
?	not stated

** indicates where the transmitted Ref IDs, (nnn, were not shown in a listener's logs.*
Those results may therefore be less reliable. A few could not be included when the kHz and TX ID did not match.

DGPS STATIONS **Stations are shown in kHz order within each Country and State/Province**

The numbers shown within the table are the times in 'hh' UTC that the stations were logged.
(e.g. 11 indicates decoded between 11:00-11:59 UTC)

The RX ID column shows the as-Received Ref IDs - i.e. the decoded numbers
(e.g. the decodes (284 on 288kHz indicated recption from TX ID #892 at Gustavus, Alaska)
In a few cases one or more listeners reported a different ID (usually the other Ref ID) - details to follow separately!

Cou	st	kHz	TX ID	RX ID	Location	AUS TA rw	CAN NS vm	CAN ON ku	CZE jv	CZE my	CZE ze	DEU hw	DEU je	ENG ag	ENG bk	ENG me	ENG pn	ENG re	FIN ro	FRA jj	HOL do	HOL rb	ITA rz	NIR ry	SCT ds	USA CA dn	USA MI bj	USA MI k4	USA MO dp	USA NH jc	USA NJ ge	USA NJ rs	USA OR mc	USA TX du	USA UT mu	USA WA rt	USA WA so
ALS	-	288	#892	(284	Gustavus																												5		11	5	7
ALS	-	289	#898	(296	Cold Bay																												12			11	
ALS	-	292	#894	(288	Cape Hinchinbrook																															11	
ALS	-	295	#891	(282	Level Island																												4		11	6	
ALS	-	305	#890	(280	Biorka																															6	
ALS	-	313	#897	(294	Kodiak																												12			12	8
ALS	-	323	#889	(278	Annette Island																												6		10	8	
AUS	NW	308	#703	(003	Sydney, NW	8																															
AUS	QD	294	#707	(007?	?Brisbane, QD	9																															
AUS	QD	304	#705	(005?	Cape Flattery QD	11																															
AUS	QD	306	#708	(012?	Ingham, QD	9																															
AUS	QD	313	#706	(006?	Gladstone, QD	10																															
AUS	QD	315	#704	(004?	Mackay, QD	10																															
AUS	QD	320	#702	(002?	Horn Island, QD	10																															
AUS	SA	316	#710	(010	Corny Point SA	8																															
AUS	VI	314	#700	(000	Crib Point, VI	2																															
AUS	VI	318	#713	(013?	Mallacoota, VI	10																															
AUS	WE	297	#715	(015	Exmouth, WE	11																															
AZR	-	308	#342	(484	Horta		2																							6							
BAL	-	294.5	#361	(522	Cala Figuera Majorca							2			3																						
BEL	-	312	#420	(640	Oostende					1		0	4	12	11	14		23		11	19	10		23													
BER	-	323	#950	(950	St Davids Head																									8							
BUL	-	300	#540	(900	Cavarna							19																									
CAN	BC	300	#906	(306	Sandspit, BC																												12		10	6	6
CAN	BC	309	#909	(300	Alert Bay, BC																					8							3		10	6	8
CAN	BC	315	#908	(303	Tofino Amphitrite Point, BC																					5							13		10	8	
CAN	BC	320	#907	(305	Richmond, BC																					5							19		12	8	1
CAN	NB	295	#939	(326	Partridge Island, NB		2																							6							
CAN	NB	319	#936	(332	Point Escuminac, NB		2																							2							
CAN	NL	288	#942	(340	Cape Ray, NL		2																				2	3		1	0	0		3			
CAN	NL	299	#946	(344	Rigolet, NL		2																							2							
CAN	NL	310	#944	(342	Cape Norman, NL		2																							2							
CAN	NL	315	#940	(338	Cape Race, NL		2																							2							
CAN	NS	298	#937	(330	Hartlen Point, NS		2																							2							
CAN	NS	307	#934	(336	Fox Island, NS		2																							23							
CAN	NS	312	#935	(334	Western Head, NS		2																							2		1					
CAN	ON	286	#918	(310	Wiarton, ON			23																				3	1								
CAN	QC	296	#929	(312	St. Jean Sur Richelieu, QC		2	5																			3		7	2	4	1					
CAN	QC	300	#926	(318	Riviere du Loop, QC		2	1																			0		7	2	1						
CAN	QC	309	#927	(316	Lauzon, QC		2																							2							
CAN	QC	313	#925	(320	Moise, QC		2																							2							
CZE	-	295	#850	(850	Obristvi					16											23				3												
DEU	-	293.5	#494	(764	Iffezheim				18	18	22	0	3	23	20	21			21	0	1	1															
DEU	-	298.5	#492	(762	Dune Helgoland				19	1	23	18	5	12	11	14	13	21		11	19	10		22	2												
DEU	-	302.5	#490	(760	Koblenz				19	19	23	18	1	19	11	22	13	0		11	19	10															
DEU	-	303.5	#493	(763	Zeven				19	19	21	18	19	12	11	14	13	0	21	0	19	10	20	22	2												
DEU	-	308	#491	(761	Gross Mohrdorf				13	0	21	18	19	23	20	14		0	23		2	0		23													
DEU	-	313.5	#496	(766	Mauken				19	21	20	18	5	0	21	22			21	0	19	2		23													
DEU	-	314.5	#495	(765	Bad Abbach				18	21	21	18	20	0	2	1			21	0	1	2		23													
DNK	-	289.5	#451	(700	Hammerodde Lt, Bornholm				19	1	21	18	18	3	21	21				1	22	2		22													
DNK	-	290	#452	(705	Blavandshuk Lt							23	5	23	3	14					3	2															
DNK	-	296	#453	(710	Skagen West Lt				19			18	18	0	23	14			0		21	1															
ENG	-	290.5	#447	(687	Flamborough Head Lt							23	5	12	11	14	13	21		0	19	10		22	1												
ENG	-	291	#439	(691	Wormleighton				22			23	18	12	11	14	13	21		3	19	10		22	1												
ENG	-	299.5	#448	(688	North Foreland							4	20	12	11	14	13	21		11	19	10		13													
ENG	-	306	#441	(681	Lizard Lt							2	22	0	11	22	14			0	0	10		22													
ENG	-	307.5	#440	(680	St Catherines Point							4	20	12	11	14	14	1		11	19	10		13													
ESP	-	285	#350	(500	Cabo Machichaco.							22	3	23	11	20		0		1		2															
ESP	-	286	#363	(526	Castellon							20			21																						

ESP	-	289	#351	(502	Cabo Mayor							4	3	3	11	22				3		2		22																						
ESP	-	296	#354	(508	Cabo Finisterre									22	3							3																								
ESP	-	302.5	#356	(511	Tarifa					1																																				
ESP	-	313.5	#366	(532	Cabo San Sebastian										21						20																								
EST	-	295.5	#531	(531	Narva				19				2		23	1			18																										
EST	-	307	#530	(530	Ristna Lt				18		0	0	21		22	22		0	19			0																							
FIN	-	287	#406	(606	Klamila				19	23	1	18	19	0	2	21			17	0	1	0																							
FIN	-	287.5	#401	(601	Mantyluoto				19	1			21	23	23	22			19																										
FIN	-	290	#402	(602	Puumala														12																										
FIN	-	290.5	#408	(608	Kokkola							22							18																										
FIN	-	292.5	#407	(607	Haarajoki				19	1		23	2	23	22	23			17			0																							
FIN	-	293.5	#400	(600	Porkkala Pilot Station							0	2						14																										
FIN	-	301.5	#404	(604	Turku				20			0	2	0	2	0			18	1		0																							
FIN	-	304.5	#403	(603	Outokumpu														17																										
FIN	-	314.5	#405	(605	Marjaniemi							1	20	21	0	22			20																										
FRA	-	286.5	#339	(469	Porquerolles					0	23	4	20		2					23		1	19																						
FRA	-	299	#330	(460	Heuville							0	19	12	11	14	13	21		11	19	10		22																					
FRA	-	304.5	#338	(468	Cap Bear Lt							23	20	3	21							3																							
FRA	-	307	#334	(464	Les Sables d'Olonne							4		19	11					0		2		22																					
FRA	-	308.5	#332	(462	Pont de Buis							2	20	23	11	0				22		23		23																					
FRA	-	309	#333	(463	Pen Men							0		1	11							2		23																					
FRA	-	310	#336	(466	Cap Ferret							0		23	11	22				0	20	2		23																					
FRO	-	287.5	#454	(715	Torshavn				19	23	0	0	0	3	21	14		0		22	1	0		22	1																				
HOL	-	294	#428	(428	Vlieland Lt							0	18	0	10	14	13	0		22	20	10																							
HOL	-	302	#426	(426	Gilze Rijen						22	0	5	12	11	14	13	0		11	19	10																							
HOL	-	312.5	#425	(425	Hoek van Holland				19	0		0	20	12	11	14	14	23		11	19	10		23																					
HWA	-	286	#879	(258	Upolu Point																					6								8		9	8								
HWA	-	290	#877	(254	Pahoa																					10								12											
IRL	-	284	#430	(660	Mizen Head							23		23	11	21	12			0		0		22	2																				
IRL	-	288.5	#435	(670	Tory Island							3	0	12	11	14	13	22						22	1																				
IRL	-	293	#432	(665	Loop Head Lt									12	20	21		0						22	1																				
ISL	-	289.5	#414	(628	Raufarhofn																23																								
ISL	-	293.5	#411	(411	Reykjanes Lt									1							22																								
ISL	-	300	#412	(412	Bjargtangar Lt									3																															
KAL	-	286.5	#001	(001	Baltiysk				18	18	20	18	19	0	22	21			18		2	1			2																				
LTU	-	304.5	#535	(535	Klaipeda Rear Lt				19	1	22	18	19	0	22	0					0	1		22																					
MDR	-	287.5	#343	(486	Porto Santo										21																														
NOR	-	301	#510	(790	Halten Lt																	2																							
NOR	-	304	#503	(783	Lista				19	1		19	19	0	11	14	13	0			20	10		22																					
NOR	-	310.5	#500	(780	Faerder Lt				19	1	2	18	0	23	2	22		23		0	22	2		23																					
NOR	-	313	#505	(785	Utsira Lt				19			0	0	23	11	14		23		0		2		23																					
NOR	-	314	#507	(787	Utvaer Lt				5	1		0	15	0	2	22						2																							
PNR	-	302	#972	(901	Miraflores		6																								6														
POL	-	283.5	#481	(741	Dziwnow				19	21	20	18	5	23	20	14			18		1	2																							
POL	-	301	#482	(743	Rozewie				20	0	20	18	19	0	23	22			23																										
POR	-	305.5	#341	(482	Sagres							2		2	22																														
POR	-	311.5	#340	(480	Cabo Carvoeiro Lt							1		23	20	22		23		0	2	2		23																					
PTR	-	295	#817	(034	Isabela																												0												
RUS	-	298.5	#002	(002	Shepelevskiy 1														17																										
RUS	-	311	#005	(002	Shepelevskiy 2				20					2		0			16																										
SCT	-	285.5	#443	(693	Stirling (Earls Hill)				21	19		1	5	11	11	14	13	22		1		0		22	1																				
SCT	-	295.5	#444	(684	Butt of Lewis							0	0	23	22	14					1	1		22	2																				
SCT	-	297	#446	(686	Girdle Ness							0	0	12	11	14		1		0	1	10		22	2																				
SHE	-	291.5	#445	(685	Sumburgh Head				20	19	1	23	2	12	11	14	13	0		0	19	2		22	1																				
SWE	-	288.5	#470	(738	Otterbäcken					0		23	21						0			2																							
SWE	-	289	#462	(724	Jarnas				20	0		23	0	0					19		1	2																							
SWE	-	292	#460	(720	Holmsjö				19	19	22	18	5	0	21	21		0	23	1	1	2		22	1																				
SWE	-	293	#466	(732	Kullen High Lt					1		18	18	22		23			0		21																								
SWE	-	296.5	#469	(736	Goteborg				21			18	5	0	2	14		0	23	0	0	1																							
SWE	-	297.5	#465	(730	Hoburg				20	1		18	5		23					1																									
SWE	-	298	#468	(734	Nynashamn				19	1		18	19	23	20	22		0	20	0	1	2		22	3																				
SWE	-	299.5	#463	(726	Skutskar				19	19	23	18	2			22			19		22			22																					

SWE	-	302	#467	(733	Hjortens Udde							18	1						23																				
SWE	-	307.5	#464	(728	Kapellskar Lt				22	1	0	0	21	2					19																				
SWE	-	311.5	#461	(722	Bjuroklubb				20			0							19																				
UKR	-	288	#095	(095	Yenikalsky					0		23																											
UKR	-	297	#086	(086	Odesskiy				19			18																											
USA	AL	307	#825	(050	Hackleburg, AL			6																			11		1					0				
USA	AL	320	#865	(160	Millers Ferry, AL																								8	2				4				
USA	AZ	319	#876	(064	Flagstaff, AZ																					19							10		2	8		
USA	CA	287	#883	(266	Pigeon Point, CA																					5								8				
USA	CA	292	#885	(270	Cape Mendocino, CA																					5							19		3	5		
USA	CA	298	#875	(066	Essex, CA																					19			8				4	17	2	6	6	
USA	CA	302	#881	(262	Point Loma, CA																					19							7	9	4			
USA	CA	305	#795	(084	Bakersfield, CA																					19							22	3	4	8	5	
USA	CA	314	#764	(210	Lincoln, CA																					6							13	4	2	8		
USA	CA	318	#878	(256	Chico, CA																					6							19		2	8	7	
USA	CA	321	#882	(264	Lompoc, CA																					19							10	2	2	8		
USA	CO	307	#872	(200	Pueblo, CO			3																		5	3	4	21				3	17	1	6		
USA	DE	309	#870	(170	Reedy Point, DE																										23	14						
USA	FL	286	#811	(022	Key West, FL																								10					1				
USA	FL	289	#809	(018	Cape Canaveral, FL																						9			6								
USA	FL	295	#812	(024	Elgin AFB, FL																					7			8					1				
USA	FL	312	#827	(244	Tampa, FL			6																			9	3	1		0	6		1				
USA	FL	314	#808	(016	Card Sound, FL		2	6																					8	6	4	1		1				
USA	GA	301	#822	(048	Huber Macon, GA																								7					1				
USA	GA	319	#818	(036	Groveland Savannah, GA																								1		23	1		1				
USA	IL	311	#863	(156	Teeds Grove / Rock Is, IA (IL)		1	3																			3	5	21	2		4		1	5			
USA	IL	322	#862	(154	St Louis Summerfield, IL		8	3																		6		3	21		4	1	10	0	5			
USA	KS	289	#765	(202	Maple Hill Topeka, KS			3																		5	20	3	9				4	17	3	10		
USA	KY	290	#869	(168	Louisville, KY			23																			21	5	21			0		0				
USA	LA	293	#814	(028	English Turn, LA			1																		7	9	5	8					17				
USA	MA	306	#772	(198	Acushnet, MA		2	3																			3		1	2	23	14		3				
USA	MD	301	#847	(058	Crownsville Annapolis, MD		2																						2	2	23	14						
USA	MD	307	#834	(130	Hagerstown Breathedsville, MD		2	1																			3	6	1	2	23	14						
USA	ME	290	#799	(044	Penobscot, ME		2	3																			3		8	1	0	1						
USA	ME	316	#800	(042	Brunswick, ME		2	3																			3		8	2	0	4						
USA	MI	292	#836	(112	Cheboygan, MI		2	11																			8	3		2								
USA	MI	298	#831	(102	Upper Keweenaw, MI			1																			0	3	1	8	3	0		2				
USA	MI	301	#837	(114	Essexville Saginaw Bay, MI			17																			20	3	23									
USA	MI	309	#835	(110	Pickford, MI		2	23																			3	3						4				
USA	MI	319	#838	(116	Detroit, MI		9	17																			20	3	21	3								
USA	MN	292	#841	(096	Pine River, MN			3																		7	3		21	8				1	3			
USA	MN	317	#864	(158	Alma St Paul, MN.			9																			9	3	21	8		6	8			9		
USA	MS	297	#792	(136	Bobo, MS		1	1																		5	3	3	21	2	3	2	5	1	3			
USA	MT	287	#849	(060	Polson, MT																												5		4	5	3	
USA	MT	313	#874	(062	Billings Garland, MT			5																		6	9	3	7	9		7	2	17	1	6	4	
USA	NC	294	#771	(196	New Bern, NC		2	3																			8	5	1	2	3	0		1				
USA	NC	303	#824	(047	Greensboro, NC		2	1																			3	3	1	2	0	14		1				
USA	ND	325	#851	(176	Dickinson Medora, ND		2	3																		6	3	3	21	2			4	1	3	8	7	
USA	NE	310	#859	(148	Whitney NE			3																		6	3	3	21	8				17	2	6	4	
USA	NJ	286	#804	(009	Sandy Hook, NJ		1																						8	1	23	14						
USA	NM	291	#845	(054	Albuquerque, NM																					5			7				4	17	2	5		
USA	NV	312	#798	(074	Austin, NV																					5							19	9	1	6	5	
USA	NY	293	#803	(006	Moriches, NY		2	6																			8			2	23	19						
USA	NY	322	#839	(118	Porter Center Youngstown, NY		2	6																			20	5		2	0							
USA	NY	324	#844	(094	Hudson Falls, NY		2	3																			0	3	1	2	23	5		2				
USA	OK	299	#866	(162	Sallisaw, OK		8	2																		7	0	3	21		4	0	4	17	4			
USA	OR	287	#886	(272	Fort Stevens, OR																												19		4		2	
USA	OR	294	#791	(138	Klamath Falls, OR																					5							19	3	1	5	6	
USA	OR	310	#773	(214	Seneca, OR																					6							19	9	1	6	6	
USA	PA	291	#788	(185	Hawk Run, PA		2	23																			20	3	1	1	23	14		1				
USA	SC	292	#778	(192	Kensington, SC			1																			3		7	6	0	0		0				
USA	SD	309	#850	(146	Clark, SD			3																		6	3		21				3	17	2	5	7	

Cou	st	kHz	Call	BCRef	Location	AUS TA rw	CAN NS vm	CAN ON ku	CZE jv	CZE my	CZE ze	DEU hw	DEU je	ENG ag	ENG bk	ENG me	ENG pn	ENG re	FIN ro	FRA jj	HOL do	HOL rb	ITA rz	NIR ry	SCT ds	USA CA dn	USA MI bj	USA MI k4	USA MO dp	USA NH jc	USA NJ ge	USA NJ rs	USA OR mc	USA TX du	USA UT mu	USA WA rt	USA WA so
USA	TN	305	#782	(190	Dandridge, TN		2	1																			3	3	21	2	0	1		17			
USA	TN	317	#858	(145	Hartsville, TN		4	5																		6	8		1	2	0	5		0			
USA	TX	301	#828	(246	Angleton Bonny, TX																					8			1				4	17	3		
USA	TX	304	#816	(032	Aransas Pass, TX																					5								17			
USA	TX	318	#823	(052	Summerfield, TX		2	3																		5	9	5	21	6			3	17	1	4	
USA	UT	303	#873	(174	Myton, UT																					5			10				4	17	1	6	6
USA	VA	289	#806	(012	Driver, VA			1					3														1			1	23	14					
USA	WA	300	#871	(172	Appleton, WA																					5							19	3	1	6	4
USA	WA	302	#888	(276	Whidbey Island, WA																												19		3	6	1
USA	WA	316	#848	(068	Spokane, WA																					6							19	4	1	8	5
USA	WA	323	#887	(274	Robinson Pt Maury Is, WA																												19		3	8	1
USA	WI	296	#830	(100	Wisconsin, Point WI			10																		7	3	5	21				4	2	3	5	
USA	WI	304	#777	(218	Mequon, WI		2	3																			20	3	21	2	3	1	4	2	5		
USA	WI	314	#832	(104	Sturgeon Bay, WI		3	6																			8		7	2				2			
USA	WV	295	#843	(092	St Marys, WV			23																			20	3	21	2	0						
WLS	-	297.5	#442	(682	Point Lynas Lt									12	11	14	13	21		0	19	10		22	2												
WLS	-	309.5	#449	(689	Nash Point				21			2	2	12	11	14	14	0		11	19	10		23													
XUA	-	306.5	#001	(001	(UNID)							0																									
XUE	-	286	#001	(001	(UNID)							22																									
XUE	-	288.5	#590	(590	(UNID)				20	0																											
XUE	-	303.5	#043	?	(UNID) (Kuzov, RUS?)														0																		
XUE	-	313.5	#1021	(1021?	(UNID)					1																											
XUE	-	313.5	#1023	(1021?	(UNID)					1																											

COUNTRIES and STATES/PROVINCES:

Shows the number of Stations in each radio country that were decoded by each reporter.

Cou	Country	st	AUS TA rw	CAN NS vm	CAN ON ku	CZE jv	CZE my	CZE ze	DEU hw	DEU je	ENG ag	ENG bk	ENG me	ENG pn	ENG re	FIN ro	FRA jj	HOL do	HOL rb	ITA rz	NIR ry	SCT ds	USA CA dn	USA MI bj	USA MI k4	USA MO dp	USA NH jc	USA NJ ge	USA NJ rs	USA OR mc	USA TX du	USA UT mu	USA WA rt	USA WA so
ALS	Alaska (US State)	-																												5		3	7	2
AUS	Australia	NW	1																															
AUS	Australia	QD	6																															
AUS	Australia	SA	1																															
AUS	Australia	VI	2																															
AUS	Australia	WE	1																															
AZR	Azores	-		1																							1							
BAL	Balearic Is.	-							1			1																						
BEL	Belgium	-					1		1	1	1	1	1		1		1	1	1		1													
BER	Bermuda	-																									1							
BUL	Bulgaria	-							1																									
CAN	Canada	BC																					3							4		4	4	3
CAN	Canada	NB		2																							2							
CAN	Canada	NL		4																				1	1		4	1	1		1			
CAN	Canada	NS		3																							3		1					
CAN	Canada	ON			1																				1	1								
CAN	Canada	QC		4	2																			2		2	4	2	1					
CZE	Czech Rep.	-					1												1				1											
DEU	Germany	-				7	7	7	7	7	7	7	7	3	4	5	6	7	7	1	5	2												
DNK	Denmark	-				2	1	1	3	3	3	3	3			1	1	3	3		1													
ENG	England	-				1			5	5	5	5	5	5	4		5	5	5		5	2												
ESP	Spain	-					1		3	2	3	5	2		1		2	1	3		1													
EST	Estonia	-				2		1	1	2		2	2		1	2			1															
FIN	Finland	-				4	3	1	6	6	5	5	5			9	2	1	3															
FRA	France	-					1	1	7	4	6	7	3	1	1		5	2	7	1	5													
FRO	Faroe Is.	-				1	1	1	1	1	1	1	1		1		1	1	1		1	1												

Cou	Country	st	AUS TA rw	CAN NS vm	CAN ON ku	CZE jv	CZE my	CZE ze	DEU hw	DEU je	ENG ag	ENG bk	ENG me	ENG pn	ENG re	FIN ro	FRA jj	HOL do	HOL rb	ITA rz	NIR ry	SCT ds	USA CA dn	USA MI bj	USA MI k4	USA MO dp	USA NH jc	USA NJ ge	USA NJ rs	USA OR mc	USA TX du	USA UT mu	USA WA rt	USA WA so
HOL	Netherlands	-				1	1	1	3	3	3	3	3	3	3		3	3	3		1													
HWA	Hawaii (US State)	-																					2							2		1	1	
IRL	Ireland	-							2	1	3	3	3	2	2		1		1		3	3												
ISL	Iceland	-									2							2																
KAL	Kaliningrad	-				1	1	1	1	1	1	1	1			1		1	1			1												
LTU	Lithuania	-				1	1	1	1	1	1	1	1					1	1		1													
MDR	Madeira	-										1																						
NOR	Norway	-				4	3	1	4	4	4	4	4	1	3		2	2	5		3													
PNR	Panama	-		1																							1							
POL	Poland	-				2	2	2	2	2	2	2	2			2		1	1															
POR	Portugal	-							2		2	2	1		1		1	1	1		1													
PTR	Puerto Rico	-																											1					
RUS	Russia (Eu)	-				1					1		1			2																		
SCT	Scotland	-				1	1		3	3	3	3	3	1	2		2	2	3		3	3												
SHE	Shetland Is.	-				1	1	1	1	1	1	1	1	1	1		1	1	1		1	1												
SWE	Sweden	-				8	8	3	11	10	6	4	5		3	10	4	6	5		3	2												
UKR	Ukraine	-				1	1		2																									
USA	USA	AL			1																			1		2	1				2			
USA	USA	AZ																					1							1		1	1	
USA	USA	CA																					8			1				7	6	7	6	3
USA	USA	CO			1																		1	1	1	1				1	1	1	1	
USA	USA	DE																										1	1					
USA	USA	FL		1	2																		1	2	1	4	2	2	2		4			
USA	USA	GA																								2		1	1		2			
USA	USA	IL		2	2																		1	1	2	2	1	1	2	1	2	2		
USA	USA	KS			1																		1	1	1	1				1	1	1	1	
USA	USA	KY			1																			1	1	1			1		1			
USA	USA	LA			1																		1	1	1	1					1			
USA	USA	MA		1	1																			1		1	1	1	1		1			
USA	USA	MD		2	1																			1	1	2	2	2	2					
USA	USA	ME		2	2																			2		2	2	2	2					
USA	USA	MI		3	5																			5	5	3	3	1	1		2			
USA	USA	MN			2																		1	2	1	2	2		1	1	1	1	1	
USA	USA	MS		1	1																		1	1	1	1	1	1	1	1	1	1		
USA	USA	MT			1																		1	1	1	1	1		1	2	1	2	2	2
USA	USA	NC		2	2																			2	2	2	2	2	2		2			
USA	USA	ND		1	1																		1	1	1	1	1			1	1	1	1	1
USA	USA	NE			1																		1	1	1	1	1				1	1	1	1
USA	USA	NJ		1																						1	1	1	1					
USA	USA	NM																					1			1				1	1	1	1	
USA	USA	NV																					1							1	1	1	1	1
USA	USA	NY		3	3																			3	2	1	3	3	2		1			
USA	USA	OK		1	1																		1	1	1	1		1	1	1	1	1		
USA	USA	OR																					2							3	2	3	2	3
USA	USA	PA		1	1																			1	1	1	1	1	1		1			
USA	USA	SC			1																			1		1	1	1	1		1			
USA	USA	SD			1																		1	1		1				1	1	1	1	1
USA	USA	TN		2	2																		1	2	1	2	2	2	2		2			
USA	USA	TX		1	1																		3	1	1	2	1			2	3	2	1	
USA	USA	UT																					1			1				1	1	1	1	1
USA	USA	VA			1						1													1			1	1	1					
USA	USA	WA																					2							4	2	4	4	4
USA	USA	WI		2	3																		1	3	2	3	2	1	1	2	3	2	1	
USA	USA	WV			1																			1	1	1	1	1						
WLS	Wales	-				1			1	1	2	2	2	2	2		2	2	2		2	1												
XUA	UNID	-							1																									
XUE	UNID	-				1	3		1							1																		

DECODE TIMES: Shows the number of Ref Ids decoded by each reporter during the time periods shown.

UTC (hh)	AUS TA rw	CAN NS vm	CAN ON ku	CZE jv	CZE my	CZE ze	DEU hw	DEU je	ENG ag	ENG bk	ENG me	ENG pn	ENG re	FIN ro	FRA jj	HOL do	HOL rb	ITA rz	NIR ry	SCT ds	USA CA dn	USA MI bj	USA MI k4	USA MO dp	USA NH jc	USA NJ ge	USA NJ rs	USA OR mc	USA TX du	USA UT mu	USA WA rt	USA WA so
00:00 - 00:59					8	3	19	7	15	1	4		15	4	18	3	8					4				10	7		5			
01:00 - 01:59		3	9		16	2	3	2	2		2		2		6	10	7			8		1		13	5	1	8		13	9		3
02:00 - 02:59	1	32	1			1	5	7	3	7						3	20			7		1		1	29		1	1	6	8		1
03:00 - 03:59		1	15				1	3	6	3					2	1	2			2		17	22		1	4		4	5	9		1
04:00 - 04:59		1					5	1															1			4	2	10	4	5	1	3
05:00 - 05:59			3	1				10													14		7				2	3		3	7	3
06:00 - 06:59		1	6																		11		1		7		2	1			13	5
07:00 - 07:59																					5			7			1	1				4
08:00 - 08:59	2	2																			2	5		8	5			2	1		12	2
09:00 - 09:59	2	1	1																			6		1	1				3	1	1	
10:00 - 10:59	4		1							1							17				1			2				3		4	1	
11:00 - 11:59	2		1						1	27					9							1								2	2	
12:00 - 12:59									16			1		1														4		1	1	
13:00 - 13:59				1								14							2									2				
14:00 - 14:59											26	4		1													8					
15:00 - 15:59								1																								
16:00 - 16:59					1									1																		
17:00 - 17:59			2											4															14			
18:00 - 18:59				4	2		22	5						5																		
19:00 - 19:59				21	6		2	9	2					6		15		1			5						1	11				
20:00 - 20:59				8		4	1	8		6	1			2		4		1				7										
21:00 - 21:59				3	3	4		4	1	8	7		6	4		2						1		17								
22:00 - 22:59				2		4	3	1	2	6	14		2		3	4			23									1				
23:00 - 23:59			5		2	4	10		15	5	2		5	5	1	2	1		12					1	1	10						
UTC (hh)	AUS TA rw	CAN NS vm	CAN ON ku	CZE jv	CZE my	CZE ze	DEU hw	DEU je	ENG ag	ENG bk	ENG me	ENG pn	ENG re	FIN ro	FRA jj	HOL do	HOL rb	ITA rz	NIR ry	SCT ds	USA CA dn	USA MI bj	USA MI k4	USA MO dp	USA NH jc	USA NJ ge	USA NJ rs	USA OR mc	USA TX du	USA UT mu	USA WA rt	USA WA so

DGPS STATIONS, BY FREQUENCY:

The number of different Ref Ids decoded on each frequency,
and the number decoded by each reporter.

IDs	kHz	AUS TA rw	CAN NS vm	CAN ON ku	CZE jv	CZE my	CZE ze	DEU hw	DEU je	ENG ag	ENG bk	ENG me	ENG pn	ENG re	FIN ro	FRA jj	HOL do	HOL rb	ITA rz	NIR ry	SCT ds	USA CA dn	USA MI bj	USA MI k4	USA MO dp	USA NH jc	USA NJ ge	USA NJ rs	USA OR mc	USA TX du	USA UT mu	USA WA rt	USA WA so
1	283.5				1	1	1	1	1	1	1	1			1		1	1														
1	284							1		1	1	1	1			1		1		1	1											
1	285							1	1	1	1	1		1		1		1														
1	285.5				1	1		1	1	1	1	1	1	1		1		1		1	1											
6	286		1	1				2			1											1		1	3	1	1	1	1	1	1	1
2	286.5				1	2	2	2	2	1	2	1			1	1	1	2	1		1											
4	287				1	1	1	1	1	1	1	1			1	1	1	1				1						2	1	2	1	2
3	287.5				2	2	1	1	2	2	3	2		1	1	1	1	1		1	1											
3	288		1			1		1															1	1		1	1	1	1	1	1	1	1
3	288.5				1	2		2	2	1	1	1	1	1	1			1		1	1											
6	289			2	1	1		2	2	3	1	1			1	1	1	2		1		1	3	1	1	2	1	1	2	1	1	2
2	289.5				1	1	1	1	1	1	1	1				1	2	1		1												
5	290		1	2				1	1	1	1	1			1		1	1				1	2	1	2	1	1	2	1	1		
2	290.5							2	1	1	1	1	1	1	1	1	1	1		1	1											
3	291		1	1	1			1	1	1	1	1	1	1		1	1	1		1	1	1	1	1	2	1	1	1	1	2	1	1
1	291.5				1	1	1	1	1	1	1	1	1	1		1	1	1		1	1											
6	292		1	3	1	1	1	1	1	1	1	1		1	1	1	1	1		1	1	2	3	1	2	3	1	1	1	2	2	2
1	292.5				1	1		1	1	1	1	1			1			1														
4	293		1	2		1		1	1	2	1	2		1	1		1			1	1	1	2	1	1	1	1	1		1		
3	293.5				1	1	1	2	2	2	1	1			2	1	2	1														
4	294	1	1	1				1	1	1	1	1	1			1	1	1				1	1	1	1	1	1	1	1	2	1	1	1
1	294.5							1			1																					
6	295		1	1		1											1				1	1	1	1	2	2	1	1	1	1	1	1

2	295.5				1			1	2	1	2	2			1		1	1		1	1												
4	296		1	2	1			1	1	2	2	1			1		1	2				1	2	1	2	1	1	1	1	1	1	1	
1	296.5				1			1	1	1	1	1		1	1	1	1	1															
4	297	1	1	1	1			2	1	1	1	1		1		1	1	1		1	1	1	1	1	1	1	1	1	1	1	1		
2	297.5				1	1		1	1	1	2	1	1	1		2	1	1		1	1												
4	298		1	1	1	1		1	1	1	1	1		1	1	1	1	1		1	1	1	1	1	2	2	1	1	1	2	1	1	1
2	298.5				1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1												
3	299		2	1				1	1	1	1	1	1	1		1	1	1		1		1	1	1	1	1	1	1	1	1	1		
2	299.5				1	1	1	2	2	1	1	2	1	1	1	1	2	1		2													
5	300		1	1				1		1												1	1		1	1	1		2	1	2	2	2
6	301		1	1	1	1	1	1	1	1	1	1			1			1				1	1	1	4	1	1	1	1	2	1		
1	301.5				1			1	1	1	1	1			1	1		1															
5	302		1				1	2	2	1	1	1	1	1	1	1	1	1				1				1			2	1	2	1	1
2	302.5				1	2	1	1	1	1	1	1	1	1		1	1	1															
2	303		1	1																		1	1	1	2	1	1	1	1	2	1	1	1
2	303.5				1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1												
4	304	1	1	1	1	1		1	1	1	1	1	1	1			1	1		1		1	1	1	1	1	1	1	1	2	1		
3	304.5				1	1	1	2	2	2	2	1			1		1	2		1													
3	305		1	1																		1	1	1	1	1	1	1	1	2	1	2	1
1	305.5							1		1	1																						
3	306	1	1	1				1	1	1	1	1	1			1	1	1		1			1		1	1	1	1		1			
1	306.5							1																									
6	307		2	3	1		1	2	1	1	2	1		1	1	1		2		1		1	3	2	3	2	1	1	1	2	1	1	
2	307.5				1	1	1	2	2	2	1	1	1	1	1	1	1	1		1													
3	308	1	1		1	1	1	1	1	1	1	1		1	1		1	1		1						1							
1	308.5							1	1	1	1	1				1		1		1													
6	309		2	2				1		1	1							1		1		2	2	1	1	1	1	1	2	2	2	2	2
1	309.5				1			1	1	1	1	1	1	1		1	1	1		1													
4	310		1	1				1		1	1	1				1	1	1		1		2	1	1	1	2			1	2	2	2	2
1	310.5				1	1	1	1	1	1	1	1		1		1	1	1		1													
2	311		1	1	1					1		1			1								1	1	1	1		1		1	1		
2	311.5				1			2		1	1	1		1	1	1	1	1		1													
4	312		1	1		1		1	1	1	1	1		1		1	1	1		1		1	1	1	1	1	1	2	1	2	1	1	1

IDs	kHz	AUS TA rw	CAN NS vm	CAN ON ku	CZE jv	CZE my	CZE ze	DEU hw	DEU je	ENG ag	ENG bk	ENG me	ENG pn	ENG re	FIN ro	FRA jj	HOL do	HOL rb	ITA rz	NIR ry	SCT ds	USA CA dn	USA MI bj	USA MI k4	USA MO dp	USA NH jc	USA NJ ge	USA NJ rs	USA OR mc	USA TX du	USA UT mu	USA WA rt	USA WA so
1	312.5				1	1		1	1	1	1	1	1	1		1	1	1		1													
5	313	1	1	1	1			1	1	1	1	1		1		1		1		1		1	1	1	1	2		1	2	1	1	2	2
4	313.5				1	3	1	1	1	1	2	1			1	1	2	1		1													
5	314	1	2	2	1	1		1	1	1	1	1						1				1	1		2	2	1	1	1	3	1	1	
2	314.5				1	1	1	2	2	2	2	2			2	1	1	1		1													
3	315	1	1																			1				1			1		1	1	
3	316	1	1	1																		1	1		1	1	1	1	1	1	1	1	1
2	317		1	2																		1	2	1	2	2	1	2	1	1		1	
3	318	1	1	1																		2	1	1	1	1			2	1	2	2	1
4	319		2	1																		1	1	1	2	2	1	1	1	1	1	1	
3	320	1																				1			1	1			1	1	1	1	1
1	321																					1							1	1	1	1	
2	322		2	2																		1	1	2	1	1	2	1	1	1	1		
3	323																									1			2		2	2	1
1	324		1	1																			1	1	1	1	1	1		1			
1	325		1	1																		1	1	1	1	1			1	1	1	1	1

MOS: 'Mine Only Stations'

The following DGPS Stations were reported by one listener only.
(excludes the reports from Bob in Tasmania - please see the main list).
Occasionally an entry may be the result of an incorrectly received ident
or an incorrectly deduced Station.

kHz	C/S	Location	Cou	Reporter	UTC
302.5	#356	Tarifa	ESP	**CZE my**	01:29
313.5	#1023	(UNID)	XUE	**CZE my**	01:51
313.5	#1021	(UNID)	XUE	**CZE my**	01:52
300	#540	Cavarna	BUL	**DEU hw**	19:55
306.5	#001	(UNID)	XUA	**DEU hw**	00:41
286	#001	(UNID)	XUE	**DEU hw**	22:47
300	#412	Bjargtangar Lt	ISL	**ENG ag**	03:24
287.5	#343	Porto Santo	MD	**ENG bk**	21:50
290	#402	Puumala	FIN	**FIN ro**	12:20
304.5	#403	Outokumpu	FIN	**FIN ro**	17:39
298.5	#002	Shepelevskiy 1	RUS	**FIN ro**	17:21
303.5	#043	UNID (Kuzov, RUS?)	XUE	**FIN ro**	00:25
289.5	#414	Raufarhofn	ISL	**HOL do**	23:09
301	#510	Halten Lt	NOR	**HOL rb**	02:32
323	#950	St Davids Head	BER	**USA jc**	08:06
295	#817	Isabela	PTR	**USA rs**	00:50
305	#890	Biorka	ALS	**USA rt**	06:38
292	#894	Cape Hinchinbrook	ALS	**USA rt**	11:58

TAS's Trans-Atlantic Stations

The numbers shown within the table are the times in UTC that the DGPS stations were decoded.

kHz	TX ID	Location	ITU	Reporter	UTC
301	#847	Driver, VA	USA	**ENG ag**	03:49

FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

THEN:	CLE153	DGPS Stations	24 - 27 Feb.2012
NOW:	CLE181	DGPS Stations	25 - 28 Apr. 2014

Listener	Av km THEN	Av km NOW	Total km x 1000 THEN	Total km x 1000 NOW	STNs THEN	STNs NOW	Max km THEN	Max km NOW
CAN ku		968		43		44		2862
CZE my		950		33		35		2188
ENG me		913		51		56		1889
ENG pn		431		8		19		818
ENG re		672		20		30		1663
ITA rz		810		2		2		1214
SCT ds		693		12		17		1590
USA bj		1008		43		43		2858
USA ge		801		23		29		1856
USA k4		956		30		31		1993
USA mc		1513		65		43		4127
USA rs		969		31		32		2798
USA so		908		20		22		2286
Averages:		892		29		31		2165

Listener	Av km THEN	Av km NOW	Total km x 1000 THEN	Total km x 1000 NOW	STNs THEN	STNs NOW	Max km THEN	Max km NOW
AUS rw	2151	2093	24	23	11	11	3828	3828
CAN vm	926	1438	25	59	27	41	3051	4338
CZE jv	1114	1072	49	42	44	39	2635	2050
CZE ze	902	769	38	17	42	22	1832	1832
DEU hw	1122	958	83	66	74	69	4815	2310
DEU je	991	781	67	45	68	58	4732	1519
ENG ag	1282	1045	94	66	73	63	4545	5816
ENG bk	1211	964	93	62	77	64	6806	2404
FIN ro	512	681	12	22	24	32	1410	1868
FRA jj	921	754	45	29	49	39	2050	1897
HOL do	914	782	43	34	47	44	4016	2035
HOL rb	1643	830	115	46	70	55	7084	1773
NIR ry	1070	836	57	31	53	37	2429	1733
USA dn	1899	1622	89	62	47	38	4057	4057
USA dp	1555	1142	104	58	67	51	6480	3516
USA du	1877	1607	143	82	76	51	6120	4026
USA jc	1356	1225	68	60	50	49	4939	3874
USA mu	1555	1307	82	55	53	42	4737	4737
USA rt	1532	1334	66	51	43	38	4305	4297
Averages:	1291	1118	68	48	52	44	4204	3048
% Increase:		-13		-30		-15		-27

Av. km = Average distance from listener to Station for all their loggings
Total km = Sum of distances from listener to Station for all their loggings
NDBs = Number of Stations logged
Max km = Maximum distance from listener to a Station logged
(UNIDs are not included)

Explanation:

We ENJOY Listening Events, but their real value is to encourage us to improve
our knowledge of our hobby, our listening techniques, our receivers and aerials, etc.
Most of our CLEs are seeking the same target beacons after a year or so.
This can provide each of us with an excellent way of measuring our personal progress
by comparing our results THEN with our corresponding results NOW.

The lower table shows statistics for listeners who took part in both the events.
The bottom lines compare the general conditions found during the two events.

Each listener's own results also depend, of course, on many other things, such as
changes in receivers, aerials or decoders, time available, use of recording equipment
and maybe a move of QTH, as well as progress made through listening practice.

Comparing the results between individual listeners is not very meaningful -
we each have so many unavoidable things that affect our ability to hear beacons;
where we and they happen to be, whether we are in a city or in wide open spaces
or by the sea, our spending limit, how long we are able to devote to listening, etc.

CLE181dgps5.xls
bk 30 April 2014