NDB LIST CLE No. 130 **DGPS STATIONS** **30 Apr - 3 May 2010** **midday - midday local time**

COMBINED RESULTS
(ALL COUNTRIES)

For overall statistics, please see the covering email.

Reporters:

AUS	TA	**rw***	Bob Warren, New Norfolk
CAN	BC	**to**	Tom Mitchell, Comox, Vancouver Island
CZE		**jv***	Jaroslav Tomek, Ostrava
CZE		**my***	Milos Holy, Lhota pod Radcem
CZE		**ze***	Zdenek Elias, Jablonec nad Nisou, N. Bohemia
DEU		**hw**	Hartmut Wolff, Near Wolfsburg
DEU		**je**	Joachim Rabe, Norderstedt, north of Hamburg
DEU		**mo**	Michael Oexner, Roschbach
DEU		**mz**	Matthias Zwoch, Arnsdorf, Nr.Dresden
ENG		**ag**	Alan Gale, Whitworth, Lancashire
ENG		**bk**	Brian Keyte, Bookham, Surrey
ENG		**ds**	David Atkins, Abbots Langley
ENG		**me**	Mike Thayne, Whitley Bay
ENG		**py**	Peter Conway, Hastings
FIN		**jt**	Jarno Fält, Tampere
FIN		**ro***	Raimo Karjalainen, Laukaa, near Jyvaskyla
FRA		**bx***	Bertrand, Villiers Sur Morin, near Paris
FRA		**jj**	Jean Jacquemin, Bethune, Merville, near Lille
HOL		**rb***	Roelof Bakker, Middelburg, Zealand
NIR		**ry**	Robert Connolly, Kilkeel
NOR		**tb**	Tjaerand S Bauge, Åkrehamn, Karmøy Isl., SW Norway
USA	AZ	**dp**	Dick Palmer, Green Valley
USA	CA	**dn**	Don Tomkinson, Upland
USA	CO	**ac***	Anthony Casorso, Westminster
USA	MI	**kz**	Ken Zichi, Williamston
USA	NC	**dw**	Don Ward, Raleigh, NC
USA	NH	**jc**	John Collins, Charlestown
USA	OR	**sr**	Steve Ratzlaff, Elgin, NE Oregon
USA	TX	**du**	Douglas Springfield, New Chapel Hill, NE Texas
USA	UT	**mu**	Mark Moulding, Ogden, Northern UT

** above indicates that the as-received IDs were not shown with (in the log.*

EQUIPMENT USED

At the end there are some details of the equipment used in the CLE, as provided with the reporters' logs

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)

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. 12 indicates decoded between 12:00-12:59 UTC)

The as-Received IDs are shown after the location names - i.e. the decoded numbers (e.g. (285 was decoded for TX ID #892)
If one or more listeners reported a different ID (usually the other Ref ID) a '(' is added in the listener column(s) next to the time.

Cou	St	kHz	TX ID	Location and RX ID	AUS TA rw	CAN BC to	CZE jv	CZE my	CZE ze	DEU hw	DEU je	DEU mo	DEU mz	ENG ag	ENG bk	ENG ds	ENG me	ENG py	FIN jt	FIN ro	FRA bx	FRA jj	HOL rb	NIR ry	NOR tb	USA AZ dp	USA CA dn	USA CO ac	USA MI kz	USA NC dw	USA NH jc	USA OR sr	USA TX du	USA UT mu
ALS	-	288	#892	Gustavus (285		6																				11						6		11
ALS	-	295	#891	Level Island (283		6																				11(						11		11
ALS	-	305	#890	Biorka ALS (281		6																												
ALS	-	313	#897	Kodiak ALS (295		12																				11								
ALS	-	323	#889	Annette Island (279		5																										11		
AUS	NW	308	#703	Sydney NW (003	9																													
AUS	QD	294	#707	Brisbane QD (007	10																													
AUS	QD	306	#708	Ingham QD (008	10																													
AUS	SA	316	#710	Corny Point SA (010	8																													
AUS	VI	314	#700	Crib Point VI (000	5																													
AUS	VI	318	#713	Mallacoota VI (013	5																													
AUS	WE	297	#715	Exmouth WE (015	10																													
AUS	WE	315	#711	Albany WE (011	10																													
AUT	-	306.5	#431	Bad Deutsch Altenburg (431			18	1	22	2	0	20	0		22		22	23	23				1											
BAL	-	293	#362	Mahon Menorca (524														0																
BAL	-	294.5	#361	Cala Figuera Majorca (522						23		20		0		2		0			0		0											
BEL	-	312	#420	Oostende (640						22	23		23	13	11	11	13	18			11	2	11											
BUL	-	300	#540	Cavarna (900			19			0																								
CAN	BC	300	#906	Sandspit BC (306		12																												4
CAN	BC	309	#909	Alert Bay BC (301		2																				11						12		7
CAN	BC	315	#908	Tofino(Amphitrite Pt) BC (303		2																				10						5	11	6
CAN	BC	320	#907	Richmond BC (305		3																				10						5		4
CAN	NB	295	#939	Partridge Island NB (326																											2			
CAN	NB	319	#936	Point Escuminac NB (332																											3			
CAN	NL	288	#942	Cape Ray NL (340																									3	4	2			
CAN	NL	310	#944	Cape Norman NL (342																			4		1						3			
CAN	NL	315	#940	Cape Race NL (338																			2							3	3			
CAN	NS	312	#935	Western Head NS (335																										3	3			
CAN	ON	286	#918	Wiarton ON (310																									17					
CAN	QC	296	#929	St. Jean Richelieu QC (313																									4	0	2			
CAN	QC	300	#926	Riviere du Loop QC (318																									3	8	2			
CAN	QC	309	#927	Lauzon QC (317		3																									3(			
CAN	QC	313	#925	Moise QC (320																											2			
CZE	-	295	#850	Obristvi (850			18	16	19	16	23	12	1	21	19	23	2	19	19	21	23	3	19	21										
DEU	-	293.5	#494	Iffezheim (764			18	16	22	1	4	12	1	21	23	10	0	23	0		10	0	20	21										
DEU	-	298.5	#492	Dune Helgoland (762			20	22	1	16	23	12	0	13	11	10	12	13	1		22	23	11	21										
DEU	-	302.5	#490	Koblenz (760			21	16	22	16	23	12	0	0	11	10	22	16	21		10	3	11											
DEU	-	303.5	#493	Zeven (763			21	16	19	16	23	13	0	13	11	10	13	16	1		23	23	11	20										
DEU	-	308	#491	Gross Mohrdorf (761			21	17	22	17	23	19	0	0	23	0	13	21	21		23		19											
DEU	-	313.5	#496	Mauken (766			18	17	19	17	23	13	0	0	19	1	22	21	21		23	2	19											
DEU	-	314.5	#495	Bad Abach (765			21	17	23	17	23	13	0		0			21			23	3	3											
DNK	-	289.5	#451	Hammerodde Lt (700			20	1	21	17	23	22	1	23	20	22	1	21(			23	1	3											
DNK	-	290	#452	Blavandshuk Lt (705					2	17	23	0		0	21		12	19																
DNK	-	296	#453	Skagen West Lt (710			22		1	1	23		1	1	21		12	13	0(				2											
ENG	-	290.5	#447	Flamborough Head Lt (687			20	20	23	17	23	20		13	11	10	12	13			10	2	11	13										

ENG -	291	#439	Wormleighton (691			21		23	17	23	22	21	13	11	10	12	13	21		10	2	11	13											
ENG -	299.5	#448	North Foreland (688						2	2			13	11	10	13	15			10	23	11												
ENG -	306	#441	Lizard Lt (681						1	23		22	13	11	10	22	14			11	0	11	13											
ENG -	307.5	#440	St Catherine's Point Lt (680						1	23			13	11	10	13	18			11	3	11												
ESP -	285	#350	Cabo Machichaco (500				19		20	2	1		23	1	10	2	19			11		3												
ESP -	286	#363	Castellon (526						20	3	20		0	0	1	1	19			21	3	3												
ESP -	289	#351	Cabo Mayor (502						1	23	1		23	0	10	2	19			10	1	3												
ESP -	291	#364	Cabo Salou (528						3																									
ESP -	293	#353	Estaca de Bares (506										0	23			1																	
ESP -	295	#352	Cabo Penas (504						1	3			1																					
ESP -	296	#354	Cabo Finisterre (508							3			0	22			21			0	2	1	21											
ESP -	297.5	#360	Cabo de la Nao (520						3																									
ESP -	313.5	#366	Cabo San Sebastian (532			19									1	0																		
EST -	295.5	#531	Narva (531			19			22	20				21		21	22	9	20			21												
EST -	307	#530	Ristna Lt (530						19	1		2(	0(	22		2	0	9(			1	2	21											
FIN -	286	#407	Savonlinna (?) (607									1																						
FIN -	287	#406	Klamila (606			19	20	20	0	23	20	1	23	20	22	21	22	9	20	23	23	19												
FIN -	287.5	#401	Mantyluoto (601			21			20	19	20					21	22	9	20		1	0												
FIN -	290	#402	Puumala (602															15	20															
FIN -	290.5	#408	Kokkola (608															9	20															
FIN -	292.5	#407	Haarajoki (607			20	20	1	1	23	20		0	21		21	21	0			23	0												
FIN -	293.5	#400	Porkkala Pilot Station (600			19			23	20				20			1	9	20															
FIN -	301.5	#404	Turku (604			22			1	0		2	1	22	0	22	23	9	20		1	2												
FIN -	304.5	#403	Outokumpu (603															18																
FIN -	314.5	#405	Marjaniemi (605						1	1			0	21	1	22	23	9	19			20												
FRA -	286.5	#339	Porquerolles (469			20			3	2	20						0			1	0	3												
FRA -	299	#330	Heuville (460			20	21		1	2	21	22	13	11	10	13	13	0		10	23	11	14											
FRA -	304.5	#338	Cap Bear Lt (468			19			1		21		1	22	1		0			23	0	3												
FRA -	307	#334	Les Sables Olonne (464						1					11	0		18			2														
FRA -	308.5	#332	Pont de Buis (462						1	0	21		20	11	10		18			3	1	19												
FRA -	309	#333	Pen Men (463							3			20	11	10	2	18			1	2	3												
FRA -	310	#336	Cap Ferret (466						1	0	21		20	21	1	22	0			11	1	2												
FRO -	287.5	#454	Torshavn (716			20	21	21	22	23	21			23		12	22			20	23	0												
HOL -	294	#428	Vlieland Lt (428						1	23			21	11	10	12	13			11	23	11												
HOL -	302	#426	Gilze Rijen (426						16	23	21	0	13	11	10	13	13			10	23	11												
HOL -	312.5	#425	Hoek van Holland (425			22	0		17	23	21	22	13(	11	11	13	18			11	2	11												
HWA -	286	#879	Upolu Point (259)		12																				12	11					12	11		
HWA -	290	#877	Pahoa (255																												12	11		
IRL -	284	#430	Mizen Head (660							3			22	11	10	1	22			17		3												
IRL -	288.5	#435	Tory Island (670						3	3	3		13	22	10	12	1	2		3	0	2	13											
IRL -	293	#432	Loop Head Lt (665						1				13	22	2		23			23			13												
ISL -	287	#416	Skardhsfjara Lt (416						2	2												3		0										
ISL -	293.5	#411	Reykjanes Lt (411							2			0									2		22										
KAL -	286.5	#001	Baltiysk (001			17	0	21	20	23	19	1	1	22		1	22	9			2	20	21											
LTU -	304.5	#535	Klaipeda Rear Lt (535			21	1	22	1	23	19	0	1	20	0	22	22	1			2	19												
MDR -	287.5	#343	Porto Santo (486							3			23	22			22					4												
NOR -	301	#510	Halten Lt (790						1					22		2	2				2	2												
NOR -	314	#507	Utvaer Lt (787																		2													
POL -	283.5	#481	Dziwnow (741			20	3	23	17	23	20	1	23	22		1	22	22		23		19												

POL	-	301	#482	Rozewie (743			21		22	21	23		22	1	20	0	21	22	19	20			1													
POR	-	305.5	#341	Sagres (482						1	1	21		20	20	0		1			4	0	20													
POR	-	311.5	#340	Cabo Carvoeiro Lt (480			21				2	22		20	0	1	0	21			20	2	19													
PTR	-	295	#817	Isabella (035																										0						
RUS	-	291.5	#029	Astrahansky (?			21																													
RUS	-	298.5	#002	Shepelevskiy 1 (002			20	22					1	0					9	20																
RUS	-	303.5	#035	Temiryukskiy 2 (?			19																													
RUS	-	311	#005	Shepelevskiy 2 (005			21		0(		1			0(	21		22	19	21	19		2	0													
SCT	-	285.5	#443	Stirling Earls Hill (693			20	20	23	17	23	20		13	11	10	12	21	21		0	23	10	13												
SCT	-	295.5	#444	Butt of Lewis Lt (684						1	1	21		1	22	23	21	0			21	3	2	13												
SCT	-	297	#446	Girdle Ness Lt (686						1	2			13	11	10	12	13	21			0	11													
SHE	-	291.5	#445	Sumburgh Head (685			20	21	20	0	23	20	21	13	21	10	12	22	21		21	23	15													
SWE	-	288.5	#470	Otterbacken (738					2	0	23				20		1	20	22			1	2													
SWE	-	289	#462	Jarnas (724						0	19	23	23				21	22	9	20			0													
SWE	-	292	#460	Holmsjo (720			21	0	21	17	23		10	1	19	22	21	22				1	0	21												
SWE	-	293	#466	Kullen High Lt (732					21	17	23		1						22																	
SWE	-	296.5	#469	Goteborg (736			21	22	1	1	23	21	1	1	20	0	12	22	20		2	1	2													
SWE	-	297.5	#465	Hoburg (730			21	2	23	18	23	19	1		20			22	9																	
SWE	-	298	#468	Nynashamn (734			21	22	23	1	23	19	1	0	19	0	21	23	9		22	23	20													
SWE	-	299.5	#463	Skutskar (726			21	1	0	1	23	19	0				21		9	20				21												
SWE	-	302	#467	Hjortens Udde (733					1	1			2	1					23																	
SWE	-	307.5	#464	Kapellskar Lt (728					23	1	0		0				0		9																	
SWE	-	311.5	#461	Bjuroklubb (722			21			23	1								9	19																
TUR	-	307.5	#374	Kumkale (547			19	1	2	21(	18	19	2																							
UKR	-	288	#095	Yenikalsky (095			19			0	23	0																								
UKR	-	297	#086	Odessky (086			20	20		22	0	1	1					1			22															
USA	AL	300	#813	Mobile Point AL (027																						3(				9(			7			
USA	AL	307	#825	Hackleburg AL (051																										0(			2			
USA	AL	320	#865	Millers Ferry AL (161																										9(						
USA	AZ	319	#876	Flagstaff AZ (065		4																				4	0					5	17	4		
USA	CA	287	#883	Pigeon Point CA (267)																						12	0						11			
USA	CA	292	#885	Cape Mendocino CA (271		3																				10	11					5	11	4		
USA	CA	298	#875	Essex CA ((067		4																				4	23					6	6	4		
USA	CA	302	#881	Point Loma CA (263																						4	23					4	11	4		
USA	CA	305	#795	Bakersfield CA (085		3																				4	0					5	7	4		
USA	CA	314	#764	Lincoln CA (211		5																				4	3					5	10	4		
USA	CA	318	#878	Chico CA (257		4																				11	3					5		4		
USA	CA	321	#882	Lompoc Ventucopa CA (265		4																				4	0			9		5	11	4		
USA	CO	307	#872	Pueblo CO (201		3																				4	6	15	5	10		5	17	4		
USA	DE	309	#870	Reedy Point DE (171																										4						
USA	FL	286	#811	Key West FL (023																										0			7			
USA	FL	289	#809	Cape Canaveral Lt FL (018																										3			4			
USA	FL	295	#812	Eglin AFB, FL (025																										10			1			
USA	FL	312	#827	Tampa FL (245																						2				15			7			
USA	FL	314	#808	Card Sound, FL (017																										15	3		7			
USA	GA	301	#822	Macon GA (049																										5						
USA	GA	319	#818	Savannah GA (037																										15			7			
USA	IL	311	#863	Rock Island IL (157																						10			17	9	3	6	7			
USA	IL	322	#862	Summerfield IL(St Louis) (155																						9			5	9		6	17	7		

USA	KS	289	#765	Maple Hill (Topeka) KS (202																								4	6	15	7	9		5	17	5
USA	KY	290	#869	Louisville KY (169																												5(			9	
USA	LA	293	#814	English Turn LA (029																								9				10(			17	
USA	MA	306	#772	Acushnet MA (199																											1	0	3		6	
USA	MD	301	#847	Annapolis MD (059																												17	3			
USA	MD	307	#834	Hagerstown MD (131																											1	16	3			
USA	ME	290	#799	Penobscot ME (045																											5(	0	2			
USA	ME	316	#800	Brunswick NAS ME (042																												0	3			
USA	MI	292	#836	Cheboygan MI (113																											17					
USA	MI	298	#831	Upper Keweenaw MI (103)																											3	9	2			
USA	MI	301	#837	Saginaw Bay MI (115																											17					
USA	MI	309	#835	Pickford MI (111																											17	9			2	
USA	MI	319	#838	Detroit MI (117																											18	0	3			
USA	MN	292	#841	Pine River MN (097																								9		15				5	7	6
USA	MN	317	#864	St Paul (Alma) MN (158																								11		20	5	1(		5	3(	6
USA	MS	297	#792	Bobo MS (137																								4	6	15	6	16		5	17	6
USA	MS	313	#860	Delta(Vicksburg, MS) LA (151																								2				10			17	
USA	MT	287	#849	Polson MT (061		3																						10	6					5	7	4
USA	MT	313	#874	Billings MT (063		5																						4	7	15				5	7	4
USA	NC	294	#771	New Bern NC (197																											5	17	2		8	
USA	NC	303	#824	Greensboro NC (047																											6	16(	3		6	
USA	ND	325	#851	Medora ND (177		3																						4	10	15	5	9		5	7	4
USA	NE	298	#868	Omaha NE (167																										15		3		3	6	
USA	NE	310	#859	Whitney NE (149		4																						9	7	15	8	9			17	6
USA	NJ	286	#804	Sandy Hook NJ (009																												0	2			
USA	NM	291	#845	Albuquerque NM (055		3																						4	11	15		10		7	17	4
USA	NV	312	#798	Austin NV (074		5																						4	5					5	10	4
USA	NY	293	#803	Moriches NY (007																											5	16	2			
USA	NY	322	#839	Youngstown NY (119																											0	23	3			
USA	NY	324	#844	Hudson Falls NY (095																											5	0	3		9	
USA	OK	299	#866	Sallisaw OK (163																								4		15	3	10		4	17	6
USA	OR	287	#886	Fort Stevens OR (273		2(																						12	6					5	11	6
USA	OR	294	#791	Klamath Falls OR (139		3																						4	11					5	7	4
USA	OR	310	#773	Seneca OR (215		2																						4	8					5	11	4
USA	PA	291	#788	Hawk Run PA (185																											3	17	2		4	
USA	SC	292	#778	Kensington SC (193																												18	2		7	
USA	SD	309	#850	Clark SD (147																								5	7	15		7		5	17	4
USA	TN	305	#782	Dandridge TN (191																											5	18	3		7	
USA	TN	317	#858	Hartsville TN (145																								9				7			17	
USA	TX	301	#828	Angleton TX (247		4																						4	8	15		10		6	17	6
USA	TX	304	#816	Aransas Pass TX (033																								4	8			10			17	
USA	TX	318	#823	Summerfield TX (053																								4	3	15	5	10		3	17	4
USA	UT	303	#873	Myton UT (175		3																						4	11	15				5	6	4
USA	VA	289	#806	Driver VA (013																									9(			16				
USA	VA	313	#821	C2CEN Portsmouth VA (1008																											8	16	3			
USA	WA	300	#871	Appleton WA (173		2																						5	11					5	11	4
USA	WA	302	#888	Whidbey Island WA (277		2																												5		7
USA	WA	316	#848	Spokane WA (069		3																						9	7			9		5	10	4
USA	WA	323	#887	Robinson Point WA (275		3																						11						5		5

Cou	St	kHz	Call	Location	AUSTA rw	CANBC to	CZEjv	CZEmy	CZEze	DEUhw	DEUje	DEUmo	DEUmz	ENGag	ENGbk	ENGds	ENGme	ENGpy	FINjt	FINro	FRAbx	FRAjj	HOLrb	NIRry	NORtb	USAAZdp	USACAdn	USACOac	USAMIkz	USANCdw	USANHjc	USAORsr	USATXdu	USAUTmu
USA	WI	296	#830	Wisconsin Point WI (101																										9			7	6
USA	WI	304	#777	Mequon, WI (219																								19	18	9	3	6	10	6
USA	WI	314	#832	Sturgeon Bay WI (105																									18				3	
USA	WV	295	#843	St Mary's, WV (093																									5	17	2		8	
WLS	-	297.5	#442	Point Lynas Lt (682				22		3		1	22	13	11	10	12	11	22		22	23	11	13										
WLS	-	309.5	#449	Nash Point (689			20	1	0	1	2	21	2	13	11	11	13	18			12	2	11	14										
XUE	-	283.5	#028	(UNID) (028													1																	
XUE	-	288.5	#590	(UNID) (590			20			1		19						0																
XUE	-	300	#004	(UNID) (004														2																
XUE	-	303.5	#043	(UNID) (043															19	20														
XUE	-	305	#039	(UNID) (039			21	0	2	23	0	19	2	1	23			22			23		20											

COUNTRIES and STATES/PROVINCES: Shows the number of Stations in each radio country that were decoded by each reporter.

Cou	Country	St	AUSTA rw	CANBC to	CZEjv	CZEmy	CZEze	DEUhw	DEUje	DEUmo	DEUmz	ENGag	ENGbk	ENGds	ENGme	ENGpy	FINjt	FINro	FRAbx	FRAjj	HOLrb	NIRry	NORtb	USAAZdp	USACAdn	USACOac	USAMIkz	USANCdw	USANHjc	USAORsr	USATXdu	USAUTmu
ALS	Alaska (US State)	-		5																				3						3		2
AUS	AUSTRALIA	NW	1																													
AUS	AUSTRALIA	QD	2																													
AUS	AUSTRALIA	SA	1																													
AUS	AUSTRALIA	VI	2																													
AUS	AUSTRALIA	WE	2																													
AUT	Austria	-			1	1	1	1	1	1	1		1		1	1	1				1											
BAL	Balearic Is.	-						1		1		1		1		2			1		1											
BEL	Belgium	-						1	1		1	1	1	1	1	1			1	1	1											
BUL	Bulgaria	-			1			1																								
CAN	CANADA	BC		4																				3						3	1	4
CAN	CANADA	NB																											2			
CAN	CANADA	NL																			2		1				1	2	3			
CAN	CANADA	NS																										1	1			
CAN	CANADA	ON																									1					
CAN	CANADA	QC		1																							2	2	4			
CZE	Czech Rep.	-			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
DEU	Germany	-			7	7	7	7	7	7	7	6	7	6	6	7	6		7	6	7	3										
DNK	Denmark	-			2	1	3	3	3	2	2	3	3	1	3	3	1		1	1	2											
ENG	England	-			2	1	2	5	5	2	2	5	5	5	5	5	1		5	5	5	3										
ESP	Spain	-			1	1		6	5	3		6	5	4	4	5			4	3	4	1										
EST	Estonia	-			1			2	2		1	1	2		2	2	2	1		1	2	1										
FIN	Finland	-			5	2	2	6	6	3	3	4	5	3	5	6	9	7	1	4	5											
FRA	France	-			3	1		6	5	5	1	5	6	6	3	7	1		7	6	6	1										
FRO	Faroe Is.	-			1	1	1	1	1	1			1		1	1			1	1	1											
HOL	Netherlands	-			1	1		3	3	2	2	3	3	3	3	3			3	3	3											
HWA	Hawaii (US State)	-		1																				1	1					2	2	

IRL	Ireland	-						2	2	1		3	3	3	2	3	1		3	1	2	2												
ISL	Iceland	-						1	2			1									2		2											
KAL	Kaliningrad	-			1	1	1	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	1	1			1	1													
MDR	Madeira	-							1			1	1			1					1													
NOR	Norway	-						1					1		1	1				2	1													
POL	Poland	-			2	1	2	2	2	1	2	2	2	1	2	2	2	1	1		2													
POR	Portugal	-			1			1	2	2		2	2	2	1	2			2	2	2													
PTR	Puerto Rico	-																										1						
RUS	Russia (Eu)	-			4	1	1		1		1	2	1		1	1	2	2		1	1													
SCT	Scotland	-			1	1	1	3	3	2		3	3	3	3	3	2		2	3	3	2												
SHE	Shetland Is.	-			1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1													
SWE	Sweden	-			6	5	9	11	10	5	9	4	5	3	7	6	10	3	2	4	5	2												
TUR	Turkey	-			1	1	1	1	1	1	1																							
UKR	Ukraine	-			2	1		2	2	2	1					1			1															
USA	USA	AL																						1				3			2			
USA	USA	AZ		1																				1	1					1	1	1		
USA	USA	CA		6																				8	8			1		7	7	7		
USA	USA	CO		1																				1	1	1	1	1		1	1	1		
USA	USA	DE																										1						
USA	USA	FL																						1				5	1		5			
USA	USA	GA																										2			1			
USA	USA	IL																						2			2	2	1	2	2	1		
USA	USA	KS																						1	1	1	1	1		1	1	1		
USA	USA	KY																										1			1			
USA	USA	LA																						1				1			1			
USA	USA	MA																									1	1	1		1			
USA	USA	MD																									1	2	2					
USA	USA	ME																									1	2	2					
USA	USA	MI																									5	3	2		1			
USA	USA	MN																						2		2	1	1		2	2	2		
USA	USA	MS																						2	1	1	1	2		1	2	1		
USA	USA	MT		2																				2	2	1				2	2	2		
USA	USA	NC																									2	2	2		2			
USA	USA	ND		1																				1	1	1	1	1		1	1	1		
USA	USA	NE		1																				1	1	2	1	2		1	2	1		
USA	USA	NJ																										1	1					
USA	USA	NM		1																				1	1	1		1		1	1	1		
USA	USA	NV		1																				1	1					1	1	1		
USA	USA	NY																									3	3	3		1			
USA	USA	OK																						1		1	1	1		1	1	1		
USA	USA	OR		3																				3	3					3	3	3		
USA	USA	PA																									1	1	1		1			
USA	USA	SC																										1	1		1			
USA	USA	SD																						1	1	1		1		1	1	1		
USA	USA	TN																						1			1	2	1		2			
USA	USA	TX		1																				3	3	2	1	3		2	3	2		
USA	USA	UT		1																				1	1	1				1	1	1		
USA	USA	VA																							1		1	2	1					
USA	USA	WA		4																				3	2			1		4	2	4		
USA	USA	WI																								1	2	2	1	1	3	2		
USA	USA	WV																									1	1	1		1			
WLS	Wales	-			1	2	1	2	1	2	2	2	2	2	2	2	1		2	2	2	2												

Cou	Country	St	AUS TA rw	CAN BC to	CZE jv	CZE my	CZE ze	DEU hw	DEU je	DEU mo	DEU mz	ENG ag	ENG bk	ENG ds	ENG me	ENG py	FIN jt	FIN ro	FRA bx	FRA jj	HOL rb	NIR ry	NOR tb	USA AZ dp	USA CA dn	USA CO ac	USA MI kz	USA NC dw	USA NH jc	USA OR sr	USA TX du	USA UT mu
XUE	UNID	-			2	1	1	2	1	2	1	1	1		1	3	1	1	1		1											

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

UTC (hh)	AUS TA rw	CAN BC to	CZE jv	CZE my	CZE ze	DEU hw	DEU je	DEU mo	DEU mz	ENG ag	ENG bk	ENG ds	ENG me	ENG py	FIN jt	FIN ro	FRA bx	FRA jj	HOL rb	NIR ry	NOR tb	USA AZ dp	USA CA dn	USA CO ac	USA MI kz	USA NC dw	USA NH jc	USA OR sr	USA TX du	USA UT mu
00:00 - 00:59				4	3	6	7	2	11	15	4	8	4	8	4		3	7	7		1		4		1	10				
01:00 - 01:59				6	5	28	6	4	14	12	1	7	7	5	3		2	10	3		1				2	1			1	
02:00 - 02:59		6		1	4	3	9		6			2	6	2	1		2	14	11			2					13		2	
03:00 - 03:59		12		1		5	7	1									2	6	10			1	3		5	4	18	2	2	
04:00 - 04:59		6					1										1		2			20			1	2		2	2	23
05:00 - 05:59	2	4																				2	1		11	2		26		2
06:00 - 06:59		3																					5		2			6	5	10
07:00 - 07:59																							4		1	2		1	15	3
08:00 - 08:59	1																						3		2	1			2	
09:00 - 09:59	1														16							6	1			13			2	
10:00 - 10:59	4								1			22					8		1			5	1			9			4	
11:00 - 11:59											21	3		1			7		16			7	6					2	10	2
12:00 - 12:59		3						4					13				1					3						3		
13:00 - 13:59								3		18			9	8						8										
14:00 - 14:59														1						2										
15:00 - 15:59														1	1				1					14		3				
16:00 - 16:59				4		5								2												6				
17:00 - 17:59			1	3		12											1								5	4			15	
18:00 - 18:59			4			1	1							7	1										3	2				
19:00 - 19:59			9	1	3	1	2	9			4			6	3	3			8					1						
20:00 - 20:59			14	5	2	4	2	11		5	9			1	1	12	2		6	1				1						
21:00 - 21:59			18	3	5	2		11	2	3	8		10	8	8	1	3		1	8										
22:00 - 22:59			3	5	6	4		3	5	1	12	3	9	16	4		4				1									
23:00 - 23:59					8	4	36	1	2	6	5	2		6	2		11	13					2			1				
UTC (hh)	AUS TA rw	CAN BC to	CZE jv	CZE my	CZE ze	DEU hw	DEU je	DEU mo	DEU mz	ENG ag	ENG bk	ENG ds	ENG me	ENG py	FIN jt	FIN ro	FRA bx	FRA jj	HOL rb	NIR ry	NOR tb	USA AZ dp	USA CA dn	USA CO ac	USA MI kz	USA NC dw	USA NH jc	USA OR sr	USA TX du	USA UT mu

DGPS STATIONS, BY FREQUENCY: The number of beacons decoded on each frequency, and the number decoded by each reporter.

No.of DGPS Stns	kHz	AUS TA rw	CAN BC to	CZE jv	CZE my	CZE ze	DEU hw	DEU je	DEU mo	DEU mz	ENG ag	ENG bk	ENG ds	ENG me	ENG py	FIN jt	FIN ro	FRA bx	FRA jj	HOL rb	NIR ry	NOR tb	USA AZ dp	USA CA dn	USA CO ac	USA MI kz	USA NC dw	USA NH jc	USA OR sr	USA TX du	USA UT mu

2	283.5			1	1	1	1	1	1	1	1	1		2	1	1		1		1												
1	284							1			1	1	1	1	1			1		1												
1	285				1		1	1	1		1	1	1	1	1			1		1												
1	285.5			1	1	1	1	1	1		1	1	1	1	1	1		1	1	1	1											
6	286		1				1	1	1	1	1	1	1	1	1			1	1	1			1	1		1	2	1	1	2		
2	286.5			2	1	1	2	2	2	1	1	1		1	2	1		1	2	2	1											
5	287		2	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	2		1	3	3					2	3	2	
3	287.5			2	1	1	2	3	2		1	2		2	3	1	1	1	2	3												
3	288		1	1			1	1	1														1			1	1	1	1		1	
3	288.5			1		1	3	2	2		1	2	1	2	3	2		1	2	2	1											
5	289						2	2	2	1	1	1	1	2	2	1	1	1	1	2			1	2	1	1	3		1	2	1	
1	289.5			1	1	1	1	1	1	1	1	1	1	1	1			1	1	1												
5	290					1	1	1	1		1	1		1	1	1	1									1	2	1	1	2		
2	290.5			1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1											
4	291		1	1		1	2	1	1	1	1	1	1	1	1	1		1	1	1	1		1	1	1	1	2	1	1	2	1	
2	291.5			2	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1												
5	292		1	1	1	1	1	1		1	1	1	1	1	1				1	1	1		2	1	1	1	1	1	2	3	2	
1	292.5			1	1	1	1	1	1		1	1		1	1	1			1	1												
6	293					1	2	1		1	2	2	1		3	1		1			1		1			1	2	1		1		
3	293.5			2	1	1	2	3	1	1	2	2	1	1	2	2	1	1	1	2	1	1										
4	294	1	1				1	1			1	1	1	1	1			1	1	1			1	1		1	1	1	1	2	1	
1	294.5						1		1		1		1		1			1		1												
7	295		1	1	1	1	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1		1			1	3	2	1	2	1	
2	295.5			1			2	2	1		1	2	1	2	2	1	1	1	1	2	1											
4	296			1		1	1	2		1	2	2		1	2	1		1	1	2	1					1	2	1		1	1	
1	296.5			1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1												
4	297	1		1	1		2	2	1	1	1	1	1	1	2	1		1	1	1			1	1	1	1	1		1	1	1	
3	297.5			1	2	1	3	1	2	2	1	2	1	1	2	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	1	1	2	1	2	2	1	
2	298.5			2	2	1	1	1	1	2	2	1	1	1	1	2	1	1	1	1	1											
2	299			1	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	1	1	1	2	1	1	1	1	1	1	1											
6	300		2	1			1								1								2	1		1	2	1	1	2	2	
6	301		1	1		1	2	1		1	1	2	1	2	2	1	1		1	2			1	1	1	1	3	1	1	1	1	
1	301.5			1			1	1		1	1	1	1	1	1	1	1		1	1												
4	302		1			1	2	1	1	2	2	1	1	1	1	1		1	1	1			1	1					2	1	2	
1	302.5			1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1												
2	303		1																				1	1	1	1	1	1	1	2	1	
3	303.5			2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1											
2	304																						1	1	1	1	2	1	1	2	1	
3	304.5			2	1	1	2	1	2	1	2	2	2	1	2	2		1	2	2												
4	305		2	1	1	1	1	1	1	1	1	1			1			1		1			1	1		1	1	1	1	2	1	
1	305.5						1	1	1		1	1	1		1			1	1	1												
3	306	1					1	1		1	1	1	1	1	1			1	1	1	1					1	1	1		1		
1	306.5			1	1	1	1	1	1	1		1		1	1	1				1												
5	307		1				2	1		1	1	2	1	1	2	1		1	1	1	1		1	1	1	2	3	1	1	2	1	
3	307.5			1	1	2	3	3	1	2	1	1	1	2	1	1		1	1	1												
2	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	1	1												
6	309		2					1			1	1	1	1	1			1	1	1			2	1	1	1	3	1	2	2	2	
1	309.5			1	1	1	1	1	1	1	1	1	1	1	1			1	1	1	1											
4	310		2				1	1	1		1	1	1	1	1			1	1	2		1	2	2	1	1	1	1	1	2	2	
2	311			1		1		1			1	1		1	1	1	1		1	1			1			1	1	1	1	1		

NDBs	kHz	AUS TA rw	CAN BC to	CZE jv	CZE my	CZE ze	DEU hw	DEU je	DEU mo	DEU mz	ENG ag	ENG bk	ENG ds	ENG me	ENG py	FIN jt	FIN ro	FRA bx	FRA jj	HOL rb	NIR ry	NOR tb	USA AZ dp	USA CA dn	USA CO ac	USA MI kz	USA NC dw	USA NH jc	USA OR sr	USA TX du	USA UT mu
2	311.5			2			1	2	1		1	1	1	1	1	1	1	1	1	1											
4	312		1				1	1		1	1	1	1	1	1			1	1	1			2	1			2	1	1	2	1
1	312.5			1	1		1	1	1	1	1	1	1	1	1			1	1	1											
5	313		2																				3	1	1	1	2	2	1	2	1
2	313.5			2	1	1	1	1	1	1	1	1	2	2	1	1		1	1	1											
5	314	1	1																1				1	1		1	1	1	1	3	1
2	314.5			1	1	1	2	2	1	1	1	2	1	1	2	1	1	1	1	2											
3	315	1	1																	1			1				1	1	1	1	1
3	316	1	1																				1	1			2	1	1	1	1
2	317																						2		1	1	2		1	2	1
3	318	1	1																				2	2	1	1	1		2	1	2
4	319		1																				1	1		1	2	2	1	2	1
2	320		1																				1				1		1		1
1	321		1																				1	1			1		1	1	1
2	322																						1			2	2	1	1	1	1
2	323		2																				1						2		1
1	324																									1	1	1		1	
1	325		1																				1	1	1	1	1		1	1	1

MOBs **'Mine Only Beacons'**

The following DGPS Stations were reported by one listener only.
(excludes the reports from Bob in Tasmania - please see the main list).

kHz	TX ID	Location and RX ID	Cou	Reporter		UTC
305	#890	Biorka ALS (281	ALS	**CAN**	**to**	06:19
303.5	#035	Temiryukskiy 2	RUS	**CZE**	**jv**	19:41
291.5	#029	Astrahansky	RUS	**CZE**	**jv**	21:20
291	#364	Cabo Salou (528	ESP	**DEU**	**hw**	03:24
297.5	#360	Cabo de la Nao (520	ESP	**DEU**	**hw**	03:36
286	#407	Savonlinna (?) (607	FIN	**DEU**	**mz**	01:37
283.5	#028	(UNID) (028	XUE	**ENG**	**me**	01:10
293	#362	Mahon Menorca (524	BAL	**ENG**	**py**	00:26
300	#004	(UNID) (004	XUE	**ENG**	**py**	02:11
304.5	#403	Outokumpu (603	FIN	**FIN**	**jt**	18:27
314	#507	Utvaer Lt (787	NOR	**FRA**	**jj**	02:10
286	#918	Wiarton ON (310	CAN	**USA**	**kz**	17:45
292	#836	Cheboygan MI (113	USA	**USA**	**kz**	17:55
301	#837	Saginaw Bay MI (115	USA	**USA**	**kz**	17:55
295	#817	Isabella (035	PTR	**USA**	**dw**	00:08
309	#870	Reedy Point DE (171	USA	**USA**	**dw**	04:16
301	#822	Macon GA (049	USA	**USA**	**dw**	05:47
320	#865	Millers Ferry AL (161	USA	**USA**	**dw**	09:11
313	#925	Moise QC (320	CAN	**USA**	**jc**	02:34

295	#939	Partridge Island NB (326	CAN	**USA**	**jc**	02:57
319	#936	Point Escuminac NB (332	CAN	**USA**	**jc**	03:33

'TAB's **Trans-Atlantic Beacons**

The numbers shown within the table are the times in 'hh' UTC that the DGPS stations were logged.

kHz	TX ID	Location and RX ID	Cou	HOL rb	NOR tb
310	#944	Cape Norman NL (342	CAN	04	01
315	#940	Cape Race NL (338	CAN	02	

FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

THEN:	CLE108	DGPS beacons	29 Aug - 1 Sep 2008
NOW:	CLE130	DGPS beacons	30 Apr - 3 May 2010

Listener	Av km THEN	Av km NOW	Total km x 1000 THEN	Total km x 1000 NOW	NDBs THEN	NDBs NOW	Max km THEN	Max km NOW
CAN to		1334		45		34		4263
CZE jv		1124		53		47		2469
CZE my		912		29		32		1850
DEU je		1016		71		70		3097
FRA bx		845		39		46		2095
USA ac		852		14		16		1461
USA jc		808		25		31		2112
USA kz		860		28		33		2030
Averages:		969		38		39		2422

Listener	Av km THEN	Av km NOW	Total km x 1000 THEN	Total km x 1000 NOW	NDBs THEN	NDBs NOW	Max km THEN	Max km NOW
AUS rw	1939	1803	16	14	8	8	3828	3828
CZE ze	1001	828	21	29	21	35	5822	1832
DEU hw	1427	995	116	73	81	73	7566	2310
DEU mo	1160	1031	68	48	59	47	5533	2180

DEU mz	850	827	30	33	35	40	1554	1554
ENG ag	1586	1017	128	60	81	59	6722	2550
ENG bk	1286	990	87	62	68	63	6807	2404
ENG ds	956	830	50	39	52	47	2628	2053
ENG me	1132	992	70	57	62	57	6792	1889
ENG py	1317	1033	95	71	72	69	6869	2414
FIN jt	834	841	43	36	52	43	1973	2033
FIN ro	839	422	38	6	45	15	1973	1518
FRA jj	853	916	35	46	41	50	2485	1962
HOL rb	1283	1088	77	71	60	65	7084	4060
NIR ry	1089	827	40	16	37	19	3715	1791
NOR tb	1533	2223	109	7	71	3	7249	3807
USA dn	1502	1362	47	41	31	30	4058	4058
USA dp	1905	1778	93	82	49	46	4745	4632
USA du	1904	1771	137	106	72	60	6120	6120
USA dw	1466	1268	95	76	65	60	3773	3773
USA mu	1271	1198	50	48	39	40	4738	2536
USA sr	1689	1408	83	59	49	42	5544	4461
Averages:	1310	1157	69	49	52	44	4890	2898
% Increase:		-12		-29		-16		-41

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 or aerials, time available for listening, 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.

EQUIPMENT USED

Here are the details as provided with the reporters' logs (in approx order of arrival!).
Many listeners have listed all their equipment, not just that used during the CLE.

David Atkins
Receiver(s): AR7030+
Antenna(s): AMRAD whip at 6m, Active Loops ALA100
Software: DSCdecoder

Jean Jacquemin
Perseus
Mini-whip (...at top of a fishing pole on balcony !)
Winrad v 1.4.1
DSCdecoder V 3.8a

Mark Moulding
Receiver(s): R-75, Ratzlaff Audio Filter, DSP-599zx
Antenna(s): WellBrook LFL-1010 Loop
Software: ARGO, NAVTEX, SeaTTY, DSCdecoder

Anthony Casorso
Receiver(s): Anritsu ML422C SLM with homebrew LPF
Antenna(s): Low Noise Verticals, Mini Whip
Software: Spectrum Lab

Bob Warren
Receiver(s): Icom R-75, Timewave 599zx
Antenna(s): PA0RDT Active Antenna @ 12M
Software: Spectran, WWSU, DSC decoder

John Collins
IC-R75 with DSCdecoder

Ken Zichi
Receiver/software: Icom IC-R71A / MultiMode (Macintosh) v. 5.9.2
Antenna: 20 metre randomwire

Tjaerand Bauge
R75/FL-101, indoor ALA100,
Timewave DSP-599zx.
SpecLab 2.7, SeaTTY 1.74, DSCdecoder 4.5 and NDBfinder 2.9

Bertrand
Antenna : Motorized ALA100, Marconi
RX : Perseus SDR
Soft : WinradHD, DSCDecoder

Brian Keyte
Receiver: AOR AR7030, 300Hz filter with DSCdecoder 4.3.7
Aerials: 'SIA' single-turn 7m x 25m passive tuned loops

Dick Palmer

Receiver: ICOM IC-R75
Antenna: Ratzlaff active, base up 13 foot with a 4 foot whip.
Software: DSC Decoder 4.3.6

Steve Ratzlaff
R75, longwires, Skysweep

Jarno Falt
Receiver(s): Perseus
Antenna(s): pa0rdt-Mini-Whip @10 metres
Software: DSCDecoder

Don Tomkinson
34.10 -117.63 1250ft ASL
2x R-75 w/250Hz R-71A w/250Hz R-70
SDR-IQ SPM30 SR-AF& LPF DSP599zx
MFJ-784B HD-1418 AF-1 MSB-1
2x PA0RDT Mini-Whip @ 22ft
LFL1010

Zdenek Elias
Receiver(s):EKD-111 & EKD-511
Antena(s): 2 x MiniWhip @13 m agl
Softwaew:Spectrum Lab & DSC Decoder

Douglas Springfield
Equipment: Perseus, K9AY, Kiwa LPF, Timewave, UA-25ex, DI-148U
Software: SpectrumLab, Excel, SeaTTY, DSCdecoder

Milos Holy
Receiver: Lowe HF-350
Antenna : LW 65 m, Miniwhip
Software: Multipsk

Mike Thayne
Receiver(s): Icom IC735 with 250hz filter.
Antenna(s): Miniwhip (PA0RDT circuit). H/B small rotating loop
Software: DSCdecoder

Jaroslav Tomek
RIG.: RX RFT EKD111 and EKV13, ant. G5RV and MFJ 1024.
soft. Multipsk.v: 4.15

Tom Mitchell
Receiver: Icom R75
Antennas: MFJ-1024 54" Active Whip
Software: Spectrum Lab V2.75 b5

Raimo Karjalainen
Receiver(s): AOR AR-7030
Antenna(s): pa0rdt-Mini-Whip @ 6 metre
Software: DSCdecoder

Don Ward
Using USRP/LFRX; homebrew filter/preamp; custom DGPS decoder using GNU Radio software; 2x 270 ft. longwires.

Matthias Zwoch
(no details)

Joachim Rabe
My main receiver for DGPS is the NRD-545 feed by ALA100 connected to my PC running DSCDecoder.

Robert Connolly
JRC NRD 525 with Datong AD370 Active antenna

Roelof Bakker
Receiver:
PERSEUS DIRECT SAMPLING SDR, Bandwidth 250 Hz
EMU 0202 USB SOUNDCARD
DSCdecoder
Aerial: pa0rdt-mini-whip, 5 metre up a magnolia tree, main antenna

Hartmut Wolff
Perseus, SDR-IQ, homemade DC-IQ rx
various K9AY loops
DSCdecoder

Alan Gale
AOR7030+ Receiver with 125 Hz INRAD CW IF Filter, Timewave DSP-599zx, MFJ-784B, PA0RDT Narrow Bandwidth Audio Filter, Wellbrook ALA100 + 1530 Loops, Inverted L with Wellbrook UMB, PA0RDT Micro-Whip, Datong AD370 Active Antenna, Phasing Unit, SEM QRM Eliminator
Software: Skysweeper 3.12, SeaTTY 2.30, MixW 2.18, WWSU 6.3, Digipan 2, Spectran 2, DSCdecoder 4.5.5.3, NDBfinder, ENDBH 2007. NAVTEXviewer, YaND, Spectrum Lab 2.75.

Peter Conway
WiNRADiO G313i - Winrad GUI - Kenwood R1000
8/16 hz audio filters - paordt circuit
ALA100M Fixed 10m Loop 240/060 deg - ALA1530 Rotateable Loop - Various Software

Michael Oexner
RX: ICOM R75, SDR-IQ, Perseus
Antenna: Wellbrook ALA 1530, Mini-Whip
Decoding was done with SpecLab.