

**NDB LIST CLE No. 112 PYRAMID BUILDING 25 Dec. 2008 - 4 Jan. 2009, midday-midday local time**

**COMBINED RESULTS  
EUROPE**

For overall statistics, please see the covering email.

**Reporters:**

CZE	<b>fr</b>	Frantisek Müller, Praha
CZE	<b>vd</b>	Vaclav Dosoudil, Kvasice
DEU	<b>e0</b>	Eike Bierwith, Bad Nauheim-Steinfurth
DEU	<b>je</b>	*Joachim Rabe, Norderstedt, north of Hamburg
( DEU	<b>j0</b>	*Joachim Rabe, Norderstedt, north of Hamburg )
DEU	<b>mz</b>	Matthias Zwoch, Arnsdorf, Nr.Dresden
ENG	<b>ag</b>	Alan Gale, Whitworth, Lancashire
ENG	<b>b2</b>	Brian Keyte, Wootton Wawen, Warwickshire
ENG	<b>bk</b>	Brian Keyte, Bookham, Surrey
ENG	<b>me</b>	Mike Thayne, Whitley Bay
ENG	<b>py</b>	Peter Conway, Hastings
FIN	<b>jt</b>	Jarno Fält, Tampere
FIN	<b>te</b>	Torre Ekblom, Ristiina
HOL	<b>ft</b>	Frank Thijs, Hoeven
HOL	<b>rb</b>	Roelof Bakker, Zeeland, SW Netherlands
ITA	<b>lt</b>	Luca Tius, Tavarnelle, Tuscany
SWE	<b>bn</b>	Bo Nensen, Hanabäckkliden, Örnsköldsvik
SWE	<b>wr</b>	Willi Reppel and Bengan, Falkenberg (same Locator, sharing an SDR IQ receiver through an Internet connection)

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 ( cle'at'beaconworld.org.uk  
- replace the 'at' by an 'at' symbol )

\*(Joachim mis-read the CLE start time and included about  
120 loggings made early on the morning of Christmas Day.  
The 'je' columns are his results without those loggings.  
Because this damaged his pyramid so much, I asked him if I  
could also include his full results - they are shown as 'j0'.)

**PYRAMIDS SUMMARY:**

**This table summarises each listener's results - aerial height, pyramid size and the radio countries at each level.**

E.g. Frantisek's column shows that 4 NDBs in Libya were logged at level 4 in his size 22 pyramid.

The 'aerial' height (countries with one NDB logged) should be the same as the pyramid base size, where possible.

The gaps in the table are where the program did not find that number of loggings for a radio country.

This may have arisen where a listener had shown two loggings of the same NDB, or where a listener had allocated an NDB to the wrong radio country, etc.

Occasionally an 'aerial' has more than one NDB from the same country, or logging(s) from a country that also appears in the base. (I left these overflow loggings in the combined results)

	No. of NDBs	CZE fr	CZE vd	DEU e1	DEU j0	DEU je	DEU mz	ENG ag	ENG b2	ENG bk	ENG me	ENG py	FIN jt	FIN te	HOL ft	HOL rb	ITA lt	SWE bn	No. of NDBs
Aerial Height		22	24	10	23	20	27	11	10	7	19	10	11	12	12	26	16	17	
	Pyramid size	22	22	10	23	22	25	9	10	10	19	10	10	10	18	25	12	17	
2		EST	EST	BEL	SAR	HNG	LBY	IOM	XOE	SCT	QC	CNR	LBY	SRB	UKR	IOM	TUR	SVB	2
3		BIH	BIH	POL	CNR	CNR	ESP	NL	DNK	WLS	SRB	NL	EST	CZE	LBY	AZR	GRC	KAL	3
4		LBY	SVN	SWE	TUR	TUR	SVN	SWE	DEU	LUX	ISL	AZR	NOR	EST	BUL	LBY	LBY	ITA	4
5		DNK	LBY	SRB	EST	AUT	HOL	QC	SCT	NOR		MRC	NU	UKR		NU	POL	BLR	5
6		BUL	BUL	CZE	HNG		SCT	IRL	ESP	IRL	BEL	ALG		POL	CZE	QC	BIH	NL	6
7		SVN		ITA	AUT		IRL	FRA	NL	XOE	HOL	FIN	POL	FIN	HNG	ROU	DEU	NU	7
8		ROU	POL	FRA	ISL	HRV	SRB	DEU	FIN	BEL	NL	ITA	DEU	SWE		CZE	ROU	DNK	8
9		SRB	NOR	AUT	SCT	POL	ENG	ENG	NOR	HOL	DNK	POR	SWE		FIN	XOE	BUL	ROU	9
10		UKR	SRB	DEU	UKR	DNK	BUL		SWE	DEU	POL	ESP	FIN	NOR	AUT	NL	SRB	ISL	10
11		POL	ROU		HRV						CZE				HOL	IRL	HRV	DEU	11
12			HRV		POL	DEU	DNK				DEU				BEL	AUT	ITA	POL	12
13		NOR	SVK		XOE		POL				IRL				HRV	SCT		UKR	13
14		HNG	HNG		DNK		SVK								FRA	BEL		FIN	14
15		HRV	AUT		DEU		AUT				SCT				SWE	DNK		NOR	15
16		AUT			ESP		UKR				FRA					ESP		SWE	16
17		SWE	DEU				NOR				FIN				ENG	HNG		RUS	17

18	FIN			NOR		CZE				SWE					DEU	ITA			18
19	ITA	UKR		SWE		HNG				ENG						HRV			19
20	DEU	SWE				HRV										DEU			20
21		FIN		FIN	FRA	FRA													21
22	CZE	CZE		ITA	ITA											FRA			22
23				FRA		FIN										NOR			23
24						SWE										SWE			24
25						DEU										FIN			25

**COUNTRIES HEARD:**

This table shows the number of NDBs logged from each radio country by each reporter.

ITU	Country	CZE fr	CZE vd	DEU e1	DEU j0	DEU je	DEU mz	ENG ag	ENG b2	ENG bk	ENG me	ENG py	FIN jt	FIN te	HOL ft	HOL rb	ITA lt	SWE bn	SWE wr
AFG	Afghanistan						1					1		1			1	1	1
ALB	Albania	1	1		1	1	1										1		1
ALG	Algeria	1	1		1	1	1					6				1			
ASC	Ascension Is.											1							
ATG	Antigua and Barbuda											1							
AUT	Austria	16	15	9	7	5	15	1							10	12			13
AZR	Azores								1		1	4	1		1	3	1		2
BAL	Balearic Is.	1					1									1	1		1
BEL	Belgium	1		2	1	1	1	1		8	6				12	14	1		10
BIH	Bosnia-Hercegovina	3	3	1			1							1			6	1	1
BLR	Belarus		1											1				5	1
BRA	Brazil											1				1		1	
BRB	Barbados											1							
BRI	Bear Is.(Bjornoya)												1			1		1	
BUL	Bulgaria	6	6		1	1	10								4	1	9		1
CAN	Canada, NB							1			8								
CAN	Canada, NL	1			8	1	5	3	7		8	3	1		4	10	1	6	2



LUX	Luxembourg	1	1	1					4	1						1	1			
MDR	Madeira																1			
MEL	Melilla																1			
MKD	Macedonia	1	1																	
MLT	Malta	1	1				1									1				
MNE	Montenegro		1		1	1	1													
MRC	Morocco	1									5					1				
NGR	Niger										1									
NIR	Northern Ireland				1		1			1							1			
NOR	Norway	13	9	1	18	2	17	2	9	5	19		4	10	1	23	15	23		
ORK	Orkney Is.	1									1							1		
POL	Poland	11	8	3	12	9	13	3			10		7	6	7		5	12	14	
POR	Portugal				1	1						9					1		1	
PTR	Puerto Rico				1	1		1	1		1	1			1	1	1	1	1	
ROU	Romania	8	11		1	1	1	1						1			7	8	9	1
RSE	Russia (East)													1						
RUS	Russia (Eu)	1	15		1	1					1		5	10	1				17	19
SAR	Sardinia		2		2	2	1													1
SCT	Scotland		1		9	1	6	5	5	2	15						13			12
SCY	Sicily		1				1													1
SHE	Shetland Is.										1									
SRB	Serbia	9	10	5	1	1	8				3			2			1	10		1
SUI	Switzerland	1	1	1	1	1					1						1			1
SVB	Svalbard																		2	
SVK	Slovakia	11	13	1	1		14				1						1	1		5
SVN	Slovenia	7	4	1	1	1	4										1	1		1
SWE	Sweden	17	20	4	19	2	24	4	10		18		9	8	15	24			16	24
SYR	Syria		1										1				1		1	
TKM	Turkmenistan												1							
TUN	Tunisia	1	1																	
TUR	Turkey	1	1		4	4									1	1	2			
UKR	Ukraine	10	19		10	9	16				1			5	2	1	1	13		17
USA	USA, NC				1	1											1			
WLS	Wales						1			3							1		1	
XOE	Offshore		1	1	13	5	1		2	7	15						9			11

ITU	Country	CZE fr	CZE vd	DEU e1	DEU j0	DEU je	DEU mz	ENG ag	ENG b2	ENG bk	ENG me	ENG py	FIN jt	FIN te	HOL ft	HOL rb	ITA lt	SWE bn	SWE wr
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### LISTENING TIMES:

This table shows the number of NDBs logged by each reporter during the time periods.

UTC (hh)	CZE fr	CZE vd	DEU e1	DEU j0	DEU je	DEU mz	ENG ag	ENG b2	ENG bk	ENG me	ENG py	FIN jt	FIN te	HOL ft	HOL rb	ITA lt	SWE bn	SWE wr
00:00 - 00:59		4	12	172	54	116		2		6	11		1	26	4		15	35
01:00 - 01:59	1	1	13	14	13	34				23	10			10	1		8	20
02:00 - 02:59	5	3	19	19	19	39	36				7	2	1	15		1	1	22
03:00 - 03:59	8			13	11	7	26				1	3	1	9		2		12
04:00 - 04:59		5					3				2			7		7		3
05:00 - 05:59		8		4	4	44					1		3	8		15		
06:00 - 06:59	1	5		1	1					8	1		2	5		4		
07:00 - 07:59										8				1	4			
08:00 - 08:59	6	29								14				1				
09:00 - 09:59	11	10												14	2			
10:00 - 10:59		6							17	22				4		1		
11:00 - 11:59	3								10	5				3	22	1	3	
12:00 - 12:59	3	1							18	2					24	1	4	18
13:00 - 13:59	19	16						1	16					2	33		16	2
14:00 - 14:59	6	14		1	1			5						5			20	1
15:00 - 15:59	9	38				1				5		12	4				28	6
16:00 - 16:59	30	6								13		15	7	11		5	17	18
17:00 - 17:59	45	4		2	2			17		6	3	1	5	5	3		13	17
18:00 - 18:59		11		5	5			10		2		12	18	5	14	1		40
19:00 - 19:59	36	29		1	1	1				3	1	3	10	5	14	13		15
20:00 - 20:59	45	8				8		7		14	1	12		17	29	22	2	20
21:00 - 21:59	19	31		6	6	16		14		18	1	2	3	7	91	11	3	37

22:00 - 22:59	4	26	6	10	10	26		7		38	9	2	8	3	82		21	26
23:00 - 23:59	1	14	14	50	50	57		1		42	16		4	19	26	9	18	45
<b>UTC (hh)</b>	CZE fr	CZE vd	DEU e1	DEU j0	DEU je	DEU mz	ENG ag	ENG b2	ENG bk	ENG me	ENG py	FIN jt	FIN te	HOL ft	HOL rb	ITA lt	SWE bn	SWE wr

## LISTENING DAYS & TIMES

After the 10 day long CLE, this special table may be of interest.

It shows the number of NDBs logged by each listener on the days and times shown.

(E.g. 25 14 is December 25th, 14:00 - 14:59 UTC)

Any extra high figures may arise from the later analysis of recordings.

dd - hh	ag	b2	bk	bn	e1	fr	ft	j0	je	jt	lt	me	mz	py	rb	te	vd	wr
25 00								118										
25 01								1										
25 03								2										
25 11				3														
25 12				4		3												18
25 13		1		7		19											15	2
25 14		5		12				1	1								8	
25 15				8														3
25 16				11		18	11			1						1		6
25 17		16		13		21	4	1	1									12
25 18		10						1	1	4								22
25 19						21	3	1	1	1						2		8
25 20		7				19				10								8
25 21		14					2			2			1		2			19
25 22		7					2					15			9			11
25 23		1					2	24	24			14		4	3			26
26 00		2						21	21			2	26		3			25
26 01												23	14	3				10
26 02											1		14	1				15















BEL	314	OZ	Brussels National							13	12				10	11			3
BEL	323	ONC	Charleroi	21						13					16	11	6		22
BEL	348.5	LG	Liege Bierset			0									19	11			0
BEL	352.5	DD	Oostende												4	11			23
BEL	355	ONW	Antwerpen				0	0		13	10				4	11			2
BEL	360.5	MAK	Mackel for Brussels							13	23				5	11			0
BEL	371	OKT	Kortrijk												8	11			
BEL	375	OO	Oostende												9				23
BEL	386.5	SLV	Spa La Sauveniére												9	11			23
BEL	399.5	ONO	Oostende						2		23				9	11			
BEL	402	OP	Brussels National			23					21				9	11			0
BEL	431	ONT	Kleine Brogel						23		11				11	11			3
BIH	340	BLK	Banja Luka		19														
BIH	355	MA	Mostar	16													21		
BIH	357.5	KG	Sarajevo		19				2								4		
BIH	370	GAC	Gacko	17													19		
BIH	375	SAR	Sarajevo														4		
BIH	397	LU	Banja Luka														20		
BIH	425	DNC	Mostar	17													20		
BIH	445	TU	Tuzla		18	2								23				0	1
BLR	247	GM	Gomel															15	
BLR	308	G	Minsk																23
BLR	355	KI	Ivenets															16	
BLR	452	GP	Grodno		14														
BLR	485	CO	Mogilyov											5					
BLR	511	G	Gomel															16	
BLR	635	GH	Minsk															20	
BLR	635	VX	Minsk															15	
BRA	350	STM	Santarem									23				23			
BRA	1700	CRJ	Carajas																22
BRB	345	BGI	Bridgetown									23							
BRI	316	BJO	Bjornoya Is.										18			18		13	
BUL	284	GRN	Gorna Oryahovista	3	23				5						0		18		



CAN	220	BX	Blanc Sablon, QC				0			2						0		
CAN	273	ZV	Sept-Iles, QC							2								
CAN	276	YHR	Chevery, QC				0			2	0		22				22	
CAN	332	YFM	La Grande 4, QC						1	2							7	
CAN	340	YY	Mont Joli, QC				0			2			23				22	
CAN	360	PN	Port Menier Anticosti I.				0	0									0	
CAN	370	GR	Grindstone, QC				23	23	0									
CAN	392	ML	Charlevoix, QC				0										21	
CHN	398	RM	Urumqi Diwopu												16			
CNR	365	VR	Gran Canaria				1	1						2				
CNR	376	HIE	Hierro Valverde				0	0										
CNR	389	BX	La Palma				23	23						22				23
COR	341	IS	Ajaccio Campo del Oro				1											
COR	349.5	SZA	Solenzara		16				23									0
CPV	274	SAL	Sal	2	0		1	1		2	21		23	23			0	23
CZE	258	N	Ostrave Mosnov		10													
CZE	300	KD	Praha Kbely	13	13		0		21				23					
CZE	307	PG	Praha Jinonice	13	10				21								22	
CZE	319	C	Prerov	13			0		21								21	
CZE	328	VRI	Vrchlabi	13														
CZE	333	VO	Vodochody	16	9				21									
CZE	345.5	CF	Caslav	16	14		22		21				16		19	21		
CZE	356	PR	Praha Ruzyne	16					21				23					
CZE	362	L	Namest nad Oslavou	16	14													
CZE	362	X	Nemest nad Oslavou		19													
CZE	365	L	Karlovy Vary	17	19				0							0		23
CZE	368	BNO	Brno Turany	17	14				5									
CZE	372	L	Praha Ruzyne Liboc	17					21						1	22		
CZE	386	RAK	Rakovnik	19												21		
CZE	398	D	Plzen Line	20														
CZE	416	KUN	Kunovice						5									
CZE	416	V	Vodochody	8	9				22									23
CZE	422	UR	Hradec Kralove	8	8		23						21		22	23	22	







DNK	395	GE	Billund	20			22	22								21		16	12	
DNK	398	GL	Aalborg	20			18	18	23		20		23				21		23	12
DNK	400.5	EJ	Esbjerg				22	22					20				21		15	12
DNK	423	FE	Odense	17	22		0		0				20			17		21	17	12
EGY	340	OCT	October/6th October C															21		
ENG	277	CHT	Chiltern	2						2			22				23			
ENG	282	LA	Lyneham							2			8				23	12		
ENG	316	EPM	Epsom for Heathrow							2		11	8			16				20
ENG	318	BPL	Blackpool										8							
ENG	322	LCY	London City													10				
ENG	323	SBL	Sherburn in Elmet							2			1					12		
ENG	325	OF	Filton							2										
ENG	327	TNL	Tatenhill							2										
ENG	328	CL	Carlisle						0	2						5	12			19
ENG	331	GST	Gloucestershire							2						16	12			20
ENG	332	SHM	Shoreham							2										
ENG	332.5	CAM	Cambridge				0		0				8			16				0
ENG	335	WCO	Westcott				0		0				10							22
ENG	337	EX	Exeter														12			21
ENG	337	WTN	Warton										10							
ENG	338	FNY	Doncaster Robin Hood										10			18	12			
ENG	339	BIA	Bournemouth				0						23			6	12			
ENG	342.5	NWI	Norwich										10							23
ENG	345	LUT	London Luton										10							23
ENG	347	MTN	Manston				0		0											23
ENG	347	NQY	Newquay								13									
ENG	347.5	TD	Teesside				0						10				13			23
ENG	349.5	LPL	Liverpool				0						10				13			21
ENG	352	NT	Newcastle						0				10				13			21
ENG	352	WOD	Woodley				0													23
ENG	353.5	EME	East Midlands										10			4				2
ENG	356	WBA	Wolverhampton										10				13			21
ENG	363.5	CT	Coventry				0		0				8			5				

ENG	365	KIM	Humberside								23							21
ENG	367.5	OX	Oxford Kidlington															23
ENG	368.5	WHI	Whitegate for Hawarde					0								13		
ENG	380	WFD	Manchester Woodford													13		
ENG	382	SLP	Sleap				0	0								13		
ENG	386	BZ	Brize Norton				0									13		
ENG	393	EMW	East Midlands													13		
ENG	402.5	LBA	Leeds Bradford				0							9		13		
ENG	406	BHX	Birmingham				0							14		13		
ENG	414	BRI	Bristol				0		0					14		13		21
ENG	421	BUR	Burnham											14				
ENG	423	CWL	Cranwell											14				22
ENG	429	SSD	London Stanstead						0									3
ENG	433.5	HEN	Henton				0							11				22
ENG	545	LIC	Lichfield				0									13		23
ESP	321	ABT	Albacete							20								
ESP	325	AST	Asturias				2	2		22								23
ESP	328	HIG	San Sebastian				1	1								20		23
ESP	330	LEN	Leon															23
ESP	340	PND	Valencia Pinedo				1	1	2							20		
ESP	350	L	Albacete								1							
ESP	356	SGO	Sagunto		23		0	0	2							18		0
ESP	359	AL	Salamanca								23							
ESP	365	VGD	Vitigudino							22						18		
ESP	366	COR	Cordoba								1					21		
ESP	367	SBD	Sabadell								0							
ESP	370	O	Murcia San Javier							22						18		
ESP	375	CCH	Calamocha								2							
ESP	380	CAC	Caceres				0	0		22						18		23
ESP	380	VNV	Villanueva				1	1										0
ESP	381	LCZ	Murcia Los Alcazares								2							
ESP	389	ZRZ	Zaragoza				0	0										22
ESP	390	SO	Santiago								23							





FIN	387	JL	Kuopio	19			18	18	0										
FIN	388	KRU	Kokkola Kruunupyy				0	0					22				21		
FIN	392	GDY	Mariehamn Godby	19	20		0		23						23				22
FIN	392	RAN	Lappeenranta	19			0	0	1					16			22		22
FIN	394	JOK	Kauhajoki	19	21		0	0	23										22
FIN	396	HYV	Hyvinkaa	20	21		0		23		18				21				
FIN	398	ESS	Kokkola Esse	20	21		0	0											22
FIN	401	JP	Joensuu	20	21		19	19									21		19
FIN	404	JAN	Halli Janne		6		0	0											19
FIN	404	Y	Kemi Tornio														22		
FIN	406	V	Ivalo																18
FIN	408	F	Helsinki Malmi														21		
FIN	408	O	Seinajoki																18
FIN	409	Z	Pyhasalmi											23					18
FIN	411	M	Kokkola Kruunupyy		21		0	0			18			2			21		18
FIN	412	I	Halli		21												22		18
FIN	416	TOR	Rovaniemi Toramo				0	0						15			21		18
FIN	419	HY	Vaasa		22		0	0			18								18
FIN	432	AKU	Ivalo	17	22		23	23						15			17		15
FRA	288.5	AVD	Avord														11		
FRA	301	RTN	Romorantin														11		
FRA	306.5	AV	Avord				23	23				21					11		22
FRA	315	HOL	Villacoublay									7			10				
FRA	317	VS	Valenciennes									8							
FRA	320	LSU	Limoges Bellegarde						1										
FRA	320	TY	Troyes Barberey				0					23							
FRA	321	ABY	Albert Bray																
FRA	322	ORS	Orleans														11		
FRA	324	MOU	Moulins	3					5										
FRA	327	MVC	Merville Calonne				23	23	5			8		20					4
FRA	331	TUR	Tours				0	0	1								11		21
FRA	331.5	TLF	Toulouse Francazal				1	23	23	5			22						
FRA	332	LL	Lille Lesquin				23	23				8			16				23









IRL	326	RSH	Dublin Rush					0	2		12	1					21			
IRL	330	NSM	Inishmaan Aran Is.					2				1					21			
IRL	334	GMN	Gormanston					0	2		12	10					21			
IRL	334	KER	Farranfore Kerry									1								
IRL	339	OL	Shannon						2								21			
IRL	368	WTD	Waterford						3		12	22					21			
IRL	378	KLY	Killiney for Dublin				0	1			12	23								
IRL	384	SLG	Sligo									22					21			
IRL	387	CML	Clonmel									20					21			0
IRL	395	FOY	Foynes for Shannon									21					21			
IRL	397	OP	Dublin					1				20								
IRL	398	OK	Connaught Knock														21			
IRL	407	GAR	Dublin Garristown					1			12	11					21			
IRN	317	HAM	Hamadan				0										23			
IRN	341	BUZ	Bushehr					22												
IRN	355	ARB	Ardabil		23															
ISL	305.7	DA	Dalatangi Is.				0			20		23			2				16	20
ISL	308	GR	Grimsey																0	
ISL	310	SB	Selardalur																23	
ISL	316	RE	Reykjaneskoli				0												23	
ISL	320	DO	Djupivogur				0					23							23	
ISL	340	GJ	Gjogur																	0
ISL	345	HL	Vestmannaeyjar																	1
ISL	348	HA	Vopnafjordhur Hofsa				0												23	1
ISL	351	BL	Blonduos																	1
ISL	355	RK	Reykjavik Sudurnes																23	1
ISL	365	ES	Egilsstadir				0													0
ISL	366	HK	Holmavik																23	
ISL	373	TN	Thorshofn				0													
ISL	375	VM	Vestmannaeyjar				0					8							22	0
ISL	392	KF	Keflavik				0	2				21							22	
ITA	301.5	CMP	Campagnano		4		23	23												
ITA	306	PAR	Parma		4		23	23	0								20			







NOR	317	HG	Trondheim Hegra									23			21		18		15	
NOR	317	STT	Bodo Stott														21		15	
NOR	319	VAR	Stavanger Varhaug	20	21				0	2		12	0		20				23	13
NOR	320	IL	Bodo Ilistad										1							
NOR	324	HE	Notodden Heddal										22		20			21		16
NOR	326	FSK	Bodo Fauske															21		
NOR	329	NMS	Namsos										1					21		18
NOR	334	OPA	Oslo Oppaker						0				1			18				18
NOR	335	LR	Mosjoen Laksfors				18	18								18		21		
NOR	336	BTA	Bergen Bratta						0				22		18					
NOR	336	RS	Roros												18					18
NOR	339	LS	Forde Langeneset				0						23							18
NOR	342	LL	Leirin Fagernes		22				0		18									18
NOR	342	VD	Vadso													18				
NOR	345	BN	Kristiansand Birkeland		22		0		0		18		22							18
NOR	345	FT	Forde Fleten				0						1							18
NOR	345	STM	Strommen Mo I Rana				0						1				21			
NOR	347	MSK	Oslo Morskogen		22		0		2		17		18							
NOR	348	SAD	Leknes Sandsund													18		21		
NOR	349	TAR	Orland Tarva						2									21		
NOR	352	RBU	Roros Rambu				0											21		18
NOR	352	TRF	Tyrifjord																	18
NOR	358	ALA	Alta													18				
NOR	358	GRK	Trondheim Grakallen	20			0						16					21		17
NOR	360	ASK	Bergen Askoy																	18
NOR	360	ULV	Bronnoysund Ulvinger				0						23					21		
NOR	362	BVK	Orsta Volda Batvik						2				7					21		18
NOR	362	KV	Tromso Kvalsund													18				
NOR	365	ODD	Harstad Odden															21		
NOR	366	UTH	Orland Uthaug	20			14	14	2									21		18
NOR	368	FN	Skien Finndal						2											
NOR	369	STG	Sandane Stegen						2											
NOR	371	BRS	Kristiansund Bremsne								17							21		23









SCT	331	GLW	Glasgow					1	3	21		8						20
SCT	336	AQ	Aberdeen							21		1				23		
SCT	341	EDN	Edinburgh			0		0	3			1				23		22
SCT	344	WCK	Wick			0				21		10						18
SCT	348	ATF	Aberdeen Dyce			0			3			10				23		2
SCT	355	PIK	Prestwick						3			10				23		18
SCT	368	UW	Edinburgh					0	3			15				23		
SCT	370	KS	Kinloss							20						22		
SCT	380	CBL	Campbeltown									22				23		2
SCT	383	SHD	Scotstown Head			0		0			13	1				23		19
SCT	394	DND	Dundee			0		0				11				22		19
SCT	395	LAY	Islay									22				23		
SCT	399	NGY	New Galloway		5	0	0	0			13	11				23		19
SCT	401	BBA	Benbecula			0				21		22				23		19
SCT	426	PW	Prestwick			0												3
SCT	431	SAY	Stornoway, Is.of Lewis			0										23		2
SCY	355.5	PAL	Palermo		22													
SCY	373	LPD	Lampedusa					0										0
SHE	351	SBH	Sumburgh Head									10						
SRB	300	PV	Petrovaradin					5								20		
SRB	337	VRN	Vranje	20	19			5								21		
SRB	348	TPL	Topola	20	9													
SRB	355	OBR	Beograd Obrenovac	20				5								20		
SRB	380	KN	Belgrade Krnjesevci	17				5								16		
SRB	390	VAL	Valjevo	19	8	2										19		
SRB	405	JST	Nis Justic	19				5								20		
SRB	412	DAK	Amiko Dakovica		21											3		
SRB	416	POZ	Belgrade Pozarevac		14			5				23				2		
SRB	423	ZO	Nis Zitorada			23												3
SRB	428	BS	Camp Bondsteel		18											22	20	
SRB	468	VTN	Kraljevo Vitanovac	20	18													
SRB	470	UZ	Uzice Ponikve	20	18	23		5				20						
SRB	485	IA	Indija	14	8	23	1	1						23			16	



SWE	309	LG	Satenas					0			23						14
SWE	312	DJ	Ostersund Froson			3											13
SWE	318	LP	Ronneby Kallinge	20				0						23			
SWE	320	OL	Lycksele					0							20		17
SWE	322	OD	Ornskoldsvik												20		13
SWE	322	OU	Stockholm Bromma	21													
SWE	324	ON	Norrkoping	21	6			0			1	20					
SWE	325	DH	Oskarshamn					2									
SWE	325	NUT	Hemavan														0
SWE	325	OG	Gallivare											10			
SWE	325	PG	Trollhattan Vanersborg			0		0		17	22				22		
SWE	326	KG	Kramfors Bjartra														15
SWE	326	KK	Karlskoga					0									
SWE	326	OG	Gavle Sandviken	21													
SWE	327	Y	Sveg					0			1				19		
SWE	328	DK	Vilhelmina					0			1		18		22		
SWE	329	VX	Vaxjo Kronoberg		17	0			3								20
SWE	329	WU	Umea									15			19		14
SWE	330	LNA	Lena Enkoping	21				0				15					23
SWE	330	SKS	Karlstad					0		17							0
SWE	333	LE	Vasteras Hasslo								22						
SWE	335	NAK	Stockholm Bromma Na					0									22
SWE	336	LT	Halmstad					0				18					22
SWE	337	OZ	Soderhamn Skallen														14
SWE	338	OA	Jonkoping	16	16	0		23			1						
SWE	339	EA	Stockholm Arlanda					23									
SWE	341	NKS	Karlstad	16				23			22						15
SWE	342	SL	Goteborg Landvetter					23									
SWE	342	SUT	Hemavan														16
SWE	346	GS	Gavle Sandviken					23		17				17			
SWE	348	WA	Stockholm Arlanda					23							19		
SWE	349	JX	Vaxjo Kronoberg											18			
SWE	351	OV	Visby Salthamn		22	1		2	3		16				20		20

SWE	352	CG	Stockholm Arlanda				0								19			20
SWE	359	LK	Lidkoping Ekgarden	16					3						5			20
SWE	360	OP	Kiruna										18					
SWE	360	OS	Goteborg Save				0		0			22						20
SWE	362	NN	Eskilstuna Kjula												22			
SWE	363	OEM	Kristianstad Everod	17	19						7		18	5				20
SWE	364	NW	Stockholm Skavsta				0				23				19			20
SWE	364	VNA	Vanja Umea												20			
SWE	366	KM	Kalmar		21		0							18				21
SWE	366	SF	Falkoping				0											21
SWE	369	OO	Ornskoldsvik									15	19					21
SWE	370	OHT	Stockholm Arlanda	17					3		15				19			21
SWE	370.5	LB	Angelholm Barkakra	16										1				21
SWE	375	KD	Kristianstad Everod															21
SWE	377	KN	Norrkoping Kungsang											2				21
SWE	377	SM	Mora Siljan												19			21
SWE	378	OS	Sundsvall Harnosand				0			17		15			19			
SWE	383	ERK	Erken		19								19		20			
SWE	384	TY	Torsby Fryklanda							17								
SWE	388	COR	Corner Bromma	19	20					17	22	15		3				21
SWE	390	LV	Arvika	19			0			17		16						
SWE	393	AB	Hagfors						1									
SWE	394	NB	Stockholm Bromma	20														
SWE	397	LM	Borlange	20														
SWE	397	NF	Falkoping	20	21	2	0											21
SWE	398	PEO	Stockholm Skavsta		21				1			22			19			21
SWE	399	FM	Trollhattan Vanersborg							17				7				
SWE	400	EN	Orebro	20	21								19	0				21
SWE	402	LX	Eskilstuna				0								20			21
SWE	403	NM	Mora Siljan												19			
SWE	403	OJ	Jonkoping							17								21
SWE	404	LA	Stockholm Arlanda											22				21
SWE	405	AV	Goteborg Save										17	23				





XOE	323	ZP	Pentacon				0	0					15					21			
XOE	326	YW	DUC Tyra West A		5		0				14	10	1					21			19
XOE	333	GFC	Gulfaks C				0											21			1
XOE	333	SHO	Sean									10						11			
XOE	340	HEI	Heidrun				0						22					21			20
XOE	343	HBC	Halfdan B Maersk				0					10	10					21			0
XOE	349	DNF	Dan Duc DF				0														
XOE	349	SPA	Sleipner A										10								
XOE	353	OBA	Oseberg A				0						17					21			20
XOE	369	RFB	Rough Br.Gas										12								
XOE	374	CPR	Clipper															21			
XOE	375	TR	Philips Tor E				0					10	10								19
XOE	380	ULA	Ula										10								19
XOE	385.5	MLE	Miller										11								
XOE	403.5	LNL	Lancelot A															11			
XOE	410	C6NO5	Saipem 7000 Platform										16								
XOE	426	HWQ	Hewett A				6	6				10	16								2
XOE	427	HDY	Halfdan Maersk				0	0			14		16								3
XOE	526	MKE	Maersk Enhancer			0	0	0	22				11								
XOE	570	LF6Z	Ringhorne Exxon Mob																		0
XOE	615	OM	Gorm platform				23	23				10	17								12
XOE	615	STB	Staffjord B platform				0														
ITU	kHz	Call	Location	CZE fr	CZE vd	DEU e1	DEU j0	DEU je	DEU mz	ENG ag	ENG b2	ENG bk	ENG me	ENG py	FIN jt	FIN te	HOL ft	HOL rb	ITA lt	SWE bn	SWE wr

**'MOB's**

The 'Mine Only Beacons', the Counts of NDBs on each frequency and the NOW/THEN Statistics are omitted as they are not very meaningful for this special CLE.

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

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

kHz	C/S	Location	ITU	CZE fr	DEU j0	DEU je	DEU mz	ENG ag	ENG b2	ENG me	ENG py	FIN jt	FIN te	HOL ft	HOL rb	ITA lt	SWE bn	SWE wr	USA NC dw
369	ZDX	Saint Johns	ATG								03								
331	SC	Flores	AZR								22								
350	STM	Santarem	BRA								23				23				
1700	CRJ	Carajas	BRA														22		
345	BGI	Bridgetown	BRB								23								
212	SJ	Saint John, NB	CAN					02											
214	YIO	Pond Inlet, NU	CAN		00										00		15		
220	BX	Blanc Sablon, QC	CAN		00			02							00				
237	YJI	Qikiqtarjuag, NU	CAN														22		
245	CB	Cambridge Bay, NU	CAN														14		
256	YCY	Clyde River, NU	CAN									03					14		
263	QY	Sydney, NS	CAN		00		00	02		23				04	22		23		
273	ZV	Sept-Iles, QC	CAN					02											
276	YHR	Chevery, QC	CAN		00		00	02	00	22					22				
280	QX	Gander, NL	CAN		00		02	02	21	23					22		23		
281	CA	Cartwright, NL	CAN		00			02	21	22					22		00		
305	LT	Alert, NU	CAN		00					22		18			23		14	23	
323	UWP	Argentia, NL	CAN		00	00	01	02		22					22		23		
332	YFM	La Grande 4, QC	CAN				01	02							07				
332	YTE	Cape Dorset, NU	CAN		23	23													
339	YFT	Makkovik, NL	CAN												23				
340	YY	Mont Joli, QC	CAN		00		00	02		23					22				
350	DF	Deer Lake, NL	CAN	01	00		00		21	22		02		01	22	03	23	20	
350	RB	Resolute Bay, NU	CAN		00							02			19		22		
356	AY	St. Anthony, NL	CAN				01		21	22	23			04	22		23	23	
360	PN	I., QC	CAN		00	00	00								00				
364	2B	Springdale, NL	CAN		00										22				

