

**NDB LIST CLE No. 106**    **400 - 419.9 kHz**    **20 - 23 June 2008**    **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>jp</b>	Jiri Prokop (via Zdenek), Alsovice, nr Jablonec n.N.
CZE	<b>vd</b>	Vaclav Dosoudil, Kvasice
CZE	<b>ze</b>	Zdenek Elias, Jablonec nad Nisou, N. Bohemia
DEU	<b>hw</b>	Hartmut Wolff, Near Wolfsburg
DEU	<b>je</b>	Joachim Rabe, Norderstedt, north of Hamburg
DEU	<b>mo</b>	Michael Oexner, Roschbach
DEU	<b>mz</b>	Matthias Zwoch, Arnsdorf, Nr.Dresden
ENG	<b>ag</b>	Alan Gale, Whitworth, Lancashire
ENG	<b>bk</b>	Brian Keyte, Bookham, Surrey
ENG	<b>cy</b>	Chris McCarthy, Ispwich, Suffolk
ENG	<b>ds</b>	David Atkins, Abbots Langley
ENG	<b>mt</b>	Mike Trodd, Yapton, Nr Arundel, W Sussex
ENG	<b>py</b>	Peter Conway, Hastings
ENG	<b>tm</b>	Tony Moore, Nr.Redcar, Cleveland
FIN	<b>he</b>	Jarmo Heittokangas, Pertteli
FIN	<b>jt</b>	Jarno Fält, Tampere
FIN	<b>ro</b>	Raimo Karjalainen, Laukaa, near Jyväskylä
FIN	<b>te</b>	Torre Ekblom, Ristiina
FRA	<b>jj</b>	Jean Jacquemin, Bethune, Merville, Nr Lille
HOL	<b>rb</b>	Roelof Bakker, Zeeland, SW Netherlands
POR	<b>bv</b>	Bev M Ewen-Smith, Algarve
SWE	<b>bn</b>	Bo Nensen, Hanabäckliden, Örnköldsvik
SWE	<b>wr</b>	Willi Reppel, Falkenberg

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 'a' symbol )

## BEACONS HEARD:

Beacons are shown in kHz order within each country

UNIDs and Offshore NDBs appear at the end of the list.

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

(e.g. 21 indicates logged between 21:00-21:59).

Cou	kHz	Call	Location	CZE fr	CZE jp	CZE vd	CZE ze	DEU hw	DEU je	DEU mo	DEU mz	ENG ag	ENG bk	ENG cy	ENG ds	ENG mt	ENG py	ENG tm	FIN he	FIN jt	FIN ro	FIN te	FRA jj	HOL rb	POR bv	SWE bn	SWE wr
ALG	407	BCR	Bechar							2							23							22			
ALG	413	MCH	Mecheria							2							23										
ALG	416	MAR	Algiers					20		2						22	23										
AUT	405	KW	Klagenfurt	0		21		20	0	22	0						22										0
AUT	408	BRK	Wien Bruck	22	22	15	21	18	0	22	10	1	21	21	23	21	22			22			1				22
AUT	410	SI	Salzburg	23	23	22	23	20	0	22	0	1					22							0			22
AUT	413	KTI	Innsbruck Kuhtai	23	23	22	21	20	0	22	0	1	23		23	23	22						1	21			22
AUT	418	ZW	Zeltweg			2		22																			
BEL	402	OP	Brussels National	0			1	20		22		0	11	20	18	16	15						0	9			23
BIH	405	IL	Sarajevo Ilidza					23																			
BUL	415	RUS	Russe					20				1			0		21						1	0			
CNR	410	TX	Tenerife Norte														0										
CZE	416	KUN	Kunovice			15		21			1																
CZE	416	V	Vodochody	23	23	21	21	18		22	20	2					22							0			23
DEU	400	MSW	Munchen	22			22	20	0	22	1						22							2			22
DEU	401.5	BET	Rheine Bentlage	22	0		0	18	0	22	0				21		15							9			23
DEU	405	GRW	Grafenwohr	22	22	23	22	18	0	22	0				22		22							2			0
DEU	406	HOZ	Holzdorf		23		0	18		22	20	1					22							23			
DEU	406.5	BOT	Bottrop	22	22	23	22	18	0	22	0	1	21	21	23	22	16			22			1	9			1
DEU	407	LUP	Laupheim	0			23	20	0	22	23						22							21			22
DEU	413.5	DLS	Berlin Lubars	23	23	22	21	18	0	22	20	1			0		21						1	21			23
DEU	415	RTB	Numberg Rothenbach				23	20		22	0													23			
DEU	417	HDL	Heidelberg					20		22	0																
DEU	417	LI	Dusseldorf					23						10			16										
DEU	419	WUN	Wunstorf	22				18	0	22					0		21							9			0
DNK	400.5	EJ	Esbjerg					21	0	23							22							9			22
ENG	401	FNL	Fenland									16	11	9	22		22							9			
ENG	402.5	LBA	Leeds / Bradford	0				22	0			0	11	20	22	13	23	13					1	9			

ENG	406	BHX	Birmingham	23			22			1	11	20	23	17	16	1					23	9					
ENG	414	BRI	Bristol				22		23	1	12	20	0	17	16							1	21				
ENG	417	ND	Gt.Yarmouth Nth Dene							2	12	20	0	13	16							1	9				
ESP	400	B	Valencia												23												
ESP	401	COA	La Coruña										1	21	22												
ESP	403	TOB	Villatobas												23												
ESP	404	LRD	Lerida				20		22	1			22	21	22							23	21	20		23	
ESP	410	C	La Coruña				23		2	1	21				22	23						23	21	22			
ESP	412	GRA	Granada												23												20
ESP	412	GRN	Gerona				20		23	1					22												
ESP	417	ACD	Alcobendas												22												22
ESP	417	SNO	Santiago												22	23							0	21			
ESP	418	BAI	Bailen												22	23											20
EST	418	L	Tallinn Ülemiste	23			0	21		23	23				23		19	18	21	22	0	23			14	23	
FIN	400	KO	Utti	0			21	21							23		21	9	20	21							14
FIN	401	JP	Joensuu				21	21									22	9	20	21							14
FIN	403	H	Helsinki Vantaa					22									21	9	20	21							
FIN	404	JAN	Halli Janne					22									19	9	20	21							14
FIN	404	Y	Kemi Tornio					22											22	21	21						14
FIN	408	F	Helsinki Malmi					22											22	21	21						
FIN	408	H	Enontekio					22																			
FIN	408	O	Seinäjoki															20	21								14
FIN	408	W	Utti	23				22										19	21	21							
FIN	411	M	Kokkola Kruunupyy	0				22										15	21	21							14
FIN	412	I	Halli					23										9	21	22							14
FIN	416	TOR	Rovaniemi Toramo					22											21	22							
FIN	419	HY	Vaasa	23			22	22										9	21	22							14
FRA	400	AG	Agen La Garenne					2		2				1		23											
FRA	400	MO	Macon					23						1		22											22
FRA	401	LA	Laval Entrammes					23			23	11		22	16	15	1						0	10			
FRA	402	DA	Ales Deaux					20		23		11		1		21											
FRA	402	ORW	Paris Orly	0				23		22	1	11		22	16	15							0	9			
FRA	403	VZ	Vichy Charmeil												13	19											
FRA	404	CNE	Caen Carpiquet					21	0	22	0	1	11	20	22	17	16						23	21			0
FRA	404	MRV	Merville Calonne					1			16	11	20	22	17	16	10						0	9			
FRA	405	BIC	Briare Chatillon					20		22		11		23	17	16							0	9			0
FRA	405	LYS	Lyon St Exupery					2		2																	
FRA	406	MJ	Marseille							2																	
FRA	410	ETN	Etain Rouvres					23					10	23		16							1	10			

FRA	412	SE	Strasbourg Entzheim				2		22					16						9					
FRA	413	ALM	Aix Les Milles				20							21						0					
FRA	415	TOE	Toulouse				20		22	2				22						1	1				
FRA	416	ULT	Ussel Thalamy				21		22	23	2			0						1	1				
FRA	417	AX	Auxerre Branches	23			23			1										23	9				
FRA	418	MK	Calais Dunkerque				23				2	12	20	1	17	16				2	9				
FRA	419	EMT	Epinal Mirecourt						2			21		1		16					9				
GRC	403	KEK	Kerkyra						2							22					21				
HNG	400	BC	Bekescsaba				22									22									
HNG	403	M	Budapest Ferihegy	22		18		20	1	0	0					22					21		23		
HNG	409	NCS	Nagy Cserkesz	23	0	18	0	20	0	22	0			23		22			22		1	21		22	
HNG	412	PP	Pecs	23	0	19	1	20		23	0			23	23	21					21		22		
HOL	404.5	RR	Rotterdam Locator					21		22		1	11	20	22	19	16				3	9			
HRV	400	BRZ	Rijeka Krk Breza	22	22	19	21	20		23	0					22						20		22	
HRV	412	HUM	Humac	23		19		20			0					22						21			
HRV	414	GR	Dubrovnik Gruda	23	23			20			23					21									
HRV	418	DVN	Split Drvenik	22		21		20	0	22	20					21									
IRL	407	GAR	Dublin Garristown	23				22		23	23	1	11		23	22	22	13			1	22		22	
ITA	400.5	COD	Codogno	22	23	23	0	20	0	22					1		22				0	20		22	
ITA	401	BPL	Bari Palese			21	1	20		2						21						20		23	
ITA	405	VIE	Vieste	0				20		2						22						21		0	
ITA	406	GRO	Grosseto								20					22									
ITA	408	CHI	Chioggia	23			1	23		2		1				21	22				23	23			
ITA	413	BOA	Bologna	0			22	21								21	21					1	23		23
ITA	417	VIC	Vicenza	22			1	20		22	0	2										0	23		
ITA	418	SVC	Aosta	23				20		22							21					2	0		
KAL	410	K	Kaliningrad					21									23						22		
LBY	407	SRT	Sirte	0			0	20		2	20	1				22							21		
LTU	407	PN	Palanga				0	20	0	23	23	1			23		22	22	22			0	21		22
LUX	404	LW	Luxembourg	22	23		21	20		22			21		22	20	19					1	9		0
MRC	401	ALU	Al Hoceima Cherif Al Ic														2								
NOR	400	NTD	Notodden	0				21									0						23		22
NOR	404	DA	Torp Dalen Sandefjord	22	23	23	21	21	0	23	23		22		22		0					0	1		23
NOR	404	VNG	Vangsnes	0				23				1			22		0						22		0
NOR	414	HD	Sandnessjoen Hestad																				0		
NOR	414	SLB	Oslo Solberg	23			0	20		23	0				0		0					1	22		23
POR	401	LO	Lisbon Caparica														23							20	
ROU	404	BMR	Baia Mare	22	22	18	22	20	0	23						22	22		23			0	21		23
ROU	408	TSR	Timisoara Giarmata				1	21		23	23					21	22						23		22











10	417	3	1	1	3	7	1	4	5	2	2	2	2	4	8		1	1		1	5	7	1	1	1
8	418	5		4	3	7	2	4	4	1	2	1	2	3	7		1	2	1	1	4	5	1	1	2
4	419	2		1	1	3	1	3	1		1		3		3		1	2	1	1	1	4		2	3
<b>NDBs</b>	<b>kHz</b>	CZE fr	CZE jp	CZE vd	CZE ze	DEU hw	DEU je	DEU mo	DEU mz	ENG ag	ENG bk	ENG cy	ENG ds	ENG mt	ENG py	ENG tm	FIN he	FIN jt	FIN ro	FIN te	FRA jj	HOL rb	POR bv	SWE bn	SWE wr

## MOBs

The following NDBs were heard by one reporter only - 'Mine Only Beacons' !

kHz	C/S	Location	Cou	Reporter	UTC
405	IL	Sarajevo Ilidza	BIH	DEU hw	23:19
408	H	Enontekio	FIN	DEU hw	22:07
402	TH	Torsby Fryklanda	SWE	DEU hw	21:59
417	UBE	(UNID)	XUE	DEU hw	02:18
414	WN	(UNID) ?Vinnitsa UKR	XUE	DEU hw	22:34
406	MJ	Marseille	FRA	DEU mo	02:04
412	SIG	Catania Sigonella	SCY	DEU mo	02:48
414	STC	(UNID)	XUE	DEU mz	00:44
410	TX	Tenerife Norte	CNR	ENG py	00:20
403	TOB	Villatobas	ESP	ENG py	23:09
400	B	Valencia	ESP	ENG py	23:57
401	ALU	Al Hoceima Cherif Al	MRC	ENG py	02:01
416	CRC	(UNID)	XUE	ENG py	19:40
414	HD	Sandnessjoen Hestad	NOR	HOL rb	00:16
406	NV	Vilhelmina	SWE	SWE bn	14:20
406	SG	(UNID)	XUE	SWE wr	00:58

## TAB's

Trans-Atlantic Beacons' - NDBs that joined in the fun on both sides of the Atlantic  
*These results, if any, will be available when the N. American logs have been combined.*

## FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

**THEN:** CLE90 400 - 419.9 kHz 6 - 10 April 2007

**NOW:** CLE106 400 - 419.9 kHz 20 - 23 June 2008

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
CZE fr	902	793	62	48	69	61	2356	2103
CZE vd	721	643	22	23	30	36	1670	1670
CZE ze	851	670	49	29	58	44	2009	2180
DEU hw	1054	930	140	106	133	114	3245	2433
DEU mz	901	747	62	37	69	50	2224	2224
ENG ag	1125	914	83	31	74	34	2916	2916
ENG bk	1078	667	98	18	91	27	2632	1758
ENG ds	986	872	52	43	53	49	2158	2155
ENG tm	1051	481	39	3	37	6	1971	942
FIN te	592	292	17	4	29	13	1714	729
FRA jj	1013	793	89	36	88	45	2440	1915
HOL rb	1075	942	124	88	115	93	3555	2497
SWE bn	726	343	32	5	44	14	2095	568
SWE wr	961	835	92	43	96	52	2876	1906
<b>Averages:</b>	931	709	69	37	70	46	2419	1857
<b>% Increase:</b>		-24		-47		-35		-23

Av. km = Average distance from listener to NDB for all their loggings  
 Total km = Sum of distances from listener to NDBs for all their loggings  
 NDBs = Number of NDBs logged  
 Max km = Maximum distance from listener to an NDB logged

**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. Many of our CLEs re-use the same narrow range of frequencies 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 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 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 NDBs; 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.

CLE106e5.xls  
bk 25 June 2008