

**NDB LIST CLE No. 113** 420 - 439.9 kHz 23 - 26 January 2009 midday-midday local time

**COMBINED RESULTS**  
**EUROPE**

For overall statistics, please see the covering email.

**Reporters:**

CZE **fr** Frantisek Müller, Praha  
CZE **jp** Jiri Prokop (via Zdenek), Alsovice, near Jablonec nad Nisou  
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 **ij** Ian Johnson, Chalfont St Peter (near London)  
ENG **me** Mike Thayne, Whitley Bay  
ENG **mt** Mike Trodd, Yapton, near Arundel, W Sussex  
ENG **py** Peter Conway, Hastings  
ENG **rk** Roger King, Northorpe, Lincolnshire  
FIN **he** Jarmo Heittokangas, Perteli  
FIN **jt** Jarno Fält, Tampere  
FIN **ks** Kari Syrjänen, Aitomaki, near Kouvola  
FIN **ro** Raimo Karjalainen, Laukaa, near Jyväskylä  
FRA **ea** Eric Angevin, Landeronde near La Roche sur Yon  
FRA **fb** Franck Baste, St Bonnet de Rochefort  
FRA **jj** Jean Jacquemin, Bethune, Merville, near Lille  
FRA **vl** Vincent Lecler, Near Poitiers  
HOL **fg** Frank van Gerwen, Bakkum-Noord  
HOL **ft** Frank Thijs, Hoeven  
HOL **rb** Roelof Bakker, Zeeland, SW Netherlands  
IRL **fo** Finbar O'Connor, Malin Head (Trawbreaga Bay)  
ITA **lt** Luca Tius, Tavarnelle, Tuscany  
ITA **mg** Mauro Giroletti, 6km S.W. Milan  
SAR **gc** Giorgio Casu, San Gavino Monreale  
SWE **wr** Willi Reppel and Bengan, 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 'at' symbol )

**BEACONS HEARD:**

Beacons are shown in kHz order within each country

Offshore NDBs and UNIDs 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 ze	DEU hw	DEU je	DEU mo	DEU mz	ENG ag	ENG bk	ENG ds	ENG ij	ENG me	ENG mt	ENG py	ENG rk	FIN he	FIN jt	FIN ks	FIN ro	FRA ea	FRA fb	FRA jj	FRA vl	HOL fg	HOL ft	HOL rb	IRL fo	ITA lt	ITA mg	SAR gc	SWE wr	
ALG	423	BJA	Bejaia Soummam				4	0	1				23			22	21												20			0	22		
ALG	432	HMB	Hammam Bou Hadjar				0					17	1			19	23						21						21			22	21		
ALG	435	IGZ	In Guezzam				0	22	23								21																		
AUT	420	INN	Innsbruck	16	21	21	15	20	23	23	2	21	2	18	5	17	0					17	18	16	17	18	21	18	19		19		22	21	
AUT	426	GBG	Gleichenberg	13	21	21	15	19	23	22	23	17	1	5	23	15	20		19	17	16	20	18	16	16	17	0	19	21		22	22	21	23	
AZR	420	PI	Pico				23										0																		
AZR	428	CG	Santa Cruz de Gracios				20				3						22											2							
AZR	428	GC	Santa Cruz de Gracios																											21					
BEL	431	ONT	Kleine Brogel			23	13	20	1	23	3	12	1	6	6	22	19							12		1	5	21						22	
BIH	425	DNC	Mostar	16	21	21	16	20	23	23		22				22	1						22	16			0	2	21		22	22	22	22	19
CZE	422	UR	Hradec Kralove	13	21	21	13	19	23	23	19	1		19	21	22	0	4	18	17	16	17		16	16		22	4	20	20	22		0		
CZE	429	B	Brno Turany Borek	16	21	21	16	21	23			20			22		0		21			17	21	21			4	3	3		22			0	
CZE	429	D	Praha Dejvice	13	21	21	16		23	23	3	20			22		0		19	17	17	21	2	16	2		1	3	21	21	22		0		
CZE	432	PK	Pardubice Prvek	15	21	21	16	19	1	22	3				19		19		19	3	17	21		16	20		4	3	21			0	16		
CZE	434	KNE	Kunovice	15		21	16	20	16	23							1																	15	
CZE	438	K	Praha Kbely	15	22	21	17	22	1	22		20		17			16	5	21						20		2		21					19	
DEU	425	ERT	Erfurt	13	23	22	13	19	23	22	2	6	2	19	22	20	2		19	17	16	17	21		7		23	2	20			22	19		
DEU	426	MIQ	Mike for Ingolstadt	13		21	15	19	1	22	23		19	19	23		23		19	17	4						0	19	21		22	21	0		
DEU	427	BRU	Braunschweig	22		23	13	0	5	23							23												21					16	
DEU	429	OBI	Oberpfaffenhofn	15			16	23	1								0												3					1	
DEU	431	KBA	Karlsruhe Baden Bade	20		22	1		23						6	16																	23	22	
DEU	432	RO	Rothenburg	8	1	23	16		6	22																			3					3	
DNK	423	FE	Odense Beldringe	16	21	21	13	19	23	23	2	18	19		21	22	1	5	18	16	14	17	18	18	20	20	22	18	20	20			18		
ENG	421	BUR	Burnham				19			22	19	12	22	18	20	20	14						18	17	12	17	23	18	15	20	20				
ENG	423	CWL	Cranwell				16	23			19	12	19	19	10	23	14	4					19	18	12		4	18	20	20			2		
ENG	426	SH	Shobdon				16	23	6		18	12	19	5	21	20	14	4				22	19	19		16	0	4	21	21			22		
ENG	429	SSD	London Stansted				16	20			23	12	1	6	21	22	20	4					2		12	18	4	3	21	21	4		2		
ENG	430	NOT	Nottingham				19				3	12	1	6				5																	
ENG	433.5	HEN	Henton				17		1		23	12	1	6	20	20	15	5					21	21	17	16	4	3	21	21			22		
ESP	420	SPP	Sevilla								23	20				22	23						18	20	3	17	23	20							
ESP	421	GE	Madrid Getafe				16	0	4		19	18	22	18	20	22	0				2		18	16	16	18	23	19		19		20	2		
ESP	422	PAM	Pamplona				19				2	1	2	19	23	23	0						18	16	16	17	20	20				22			
ESP	423	SCA	Salamanca				16	0				20		19	5	22							21						21						
ESP	424	RUS	Reus	17			19	0	23	23		17		19		22	23						18	16	17	17	22	20		19	22	22	23		
ESP	426	TJA	Madrid Torrejon de Ar				19				3	20	1	5	20	22	23						18	16	20	17	1	21				21			
ESP	428	MNF	Moron de la Frontera				19	0	23		23	21	1	6	22	20	20						20	16	17	18	20	3	21	22			23		
ESP	433	JER	Jerez				20		23		23	17	1	6	23	20	17	5					20	16	17	18	1	21	21	21	0	22			





Cou	kHz	Call	Location	CZE fr	CZE jp	CZE ze	DEU hw	DEU je	DEU mo	DEU mz	ENG ag	ENG bk	ENG ds	ENG ij	ENG me	ENG mt	ENG py	ENG rk	FIN he	FIN jt	FIN ks	FIN ro	FRA ea	FRA fb	FRA jj	FRA vl	HOL fg	HOL ft	HOL rb	IRL fo	ITA lt	ITA mg	SAR gc	SWE wr
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**COUNTRIES HEARD:** This table shows the number of NDBs logged from each radio country by each reporter.

Cou	Country	CZE fr	CZE jp	CZE ze	DEU hw	DEU je	DEU mo	DEU mz	ENG ag	ENG bk	ENG ds	ENG ij	ENG me	ENG mt	ENG py	ENG rk	FIN he	FIN jt	FIN ks	FIN ro	FRA ea	FRA fb	FRA jj	FRA vl	HOL fg	HOL ft	HOL rb	IRL fo	ITA lt	ITA mg	SAR gc	SWE wr		
ALG	Algeria				3	2	2			1	2			2	3							1					2			2	2			
AUT	Austria	2	2	2	2	2	2	2	2	2	2	2	2	2	2		1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2		
AZR	Azores				2					1					2																			
BEL	Belgium			1	1	1	1	1	1	1	1	1	1	1	1				1				1			1	1	1				1		
BIH	Bosnia-Hercegovina	1	1	1	1	1	1	1	1	1				1	1							1	1				1	1	1	1	1	1		
CZE	Czech Rep.	6	5	6	6	5	6	5	3	4			2	4	1	6	2	5	3	4	4	1	4	4		5	4	5	2	3	2	6		
DEU	Germany	6	2	5	6	4	6	4	2	1	2	2	3	2	4		2	2	6	1	1	1	1			2	3	5		1	3	6		
DNK	Denmark	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			1		
ENG	England				6	3	2	1	6	6	6	6	5	5	5	5	5					1	5	4	4	4	5	5	5	2		4		
ESP	Spain	1			8	5	5	1	7	9	6	8	7	9	8	1			1			9	8	8	8	8	8	2	9	3	3	2	5	4
EST	Estonia			1												1	1																	
FIN	Finland	1	1	1	1	1	1	1	1	1			1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			1		
FRA	France			1	7	5	4	2	5	6	5	4	6	5	8						7	8	7	7	6	2	6	3	5	2	5	4		
GEO	Georgia	1	1	1	1		1	1		1				1	1					1	1	1												
GRC	Greece				1																													
HNG	Hungary	2	2	3	2	2	2	2	1	2	2		2	2	2		2	1	2	1	2	2	2	2	2	2	2	2	2	2	1	2		
HRV	Croatia	7	5	7	7	7	7	7	5	5	4	6	5	5	7	3	4	4	5	3	5	6	6	6	7	6	7	7	4	6	7			
ITA	Italy	4	1	3	6	4	5	4	3	1	1	1	3	3	5		2		2		2	1	2		4	3	4	3	4	3	4			
LBY	Libya	3	1	2	3	2	3	2		2	2	1	1	2	3		2	1	2	1	2	2	2	3	2	2	3	1	3	3	3	3		
MKD	Macedonia	1	1	1	1	1	1	1							1		1																	
MNE	Montenegro	1		1	1	1	1	1							1				1				1				1	1	1		1			
POL	Poland	1			1		1			1					1			1	1	1			1									1		
POR	Portugal								1	2	1	1		2	2						2	2	1	1			1	1	1					
ROU	Romania	3	2	2	4	3	4	3	1	1		1	1	1	3		3	3	3	3		1	1		1	3	1	1	1		3			
RUS	Russia (Eu)	2	2	2	7	4	2	3		2		2	3	1	2		3	7	13	10			1		2	2	2	1			5			
SCT	Scotland	1		2	2	2	1	1	1	2	2	1	2	1	2	1			1	1	1	1	1	1	1	2	2	2	2		2			
SRB	Serbia	2	2	2	2	2	2	2		1	1	1	1	1	2		1		1	1	1		1		2	2	2	2	2		2			
SVK	Slovakia	2	1	3	4	3	2	4		2		1	1	2	3		1	2	2	2	1	1	2		2	3	2	2		3				
SWE	Sweden	4	4	5	6	5	5	3	1	5	1	2	5	2	5		6	6	5	5	1	1	3	1	3	3	5	4		1	5			
TUR	Turkey				1			2																										
UKR	Ukraine	4	3	3	4	2	4	4		1		2		3		2	2	4	4	4	1	1	1	1	4	2	3	1			4			
XOE	Offshore	2	2	2	4	3	4	3	3	4	3	3	4	3	4	2	1	2	3	2	2	2	4	1	4	3	4	2			3			
XUE	(UNID)	3	1	2	3	1	2	2				2	1	1					1	1	1	2	2	1	2	1	2	3			2	4		

**LISTENING TIMES:**

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

UTC (hh)	CZE fr	CZE jp	CZE ze	DEU hw	DEU je	DEU mo	DEU mz	ENG ag	ENG bk	ENG ds	ENG ij	ENG me	ENG mt	ENG py	ENG rk	FIN he	FIN jt	FIN ks	FIN ro	FRA ea	FRA fb	FRA jj	FRA vl	HOL fg	HOL ft	HOL rb	IRL fo	ITA lt	ITA mg	SAR gc	SWE wr
00:00 - 00:59		5	10	3	11				2			1		15										11	3			7		10	
01:00 - 01:59		2	1	3		12			3	19				5										18		2		1		4	
02:00 - 02:59				1				9		7				2			1	5		4		7		4	10					5	
03:00 - 03:59								12									6	3				2			14	2				3	
04:00 - 04:59				1		4									7			2						13	7			1		2	
05:00 - 05:59					1	5	2				7	2		1	9																
06:00 - 06:59				2		2			1		14	3										2				1					
07:00 - 07:59				1								1						1		3	2	1				2					
08:00 - 08:59	1																						1								
09:00 - 09:59																															
10:00 - 10:59												4										1									
11:00 - 11:59												1																		1	
12:00 - 12:59										12													6								
13:00 - 13:59	5			7													6														
14:00 - 14:59														5				19													
15:00 - 15:59	16			11									3	8												2				4	
16:00 - 16:59	13			44		5						2	5	4															1	3	
17:00 - 17:59	7			7					11		3	3	1	6			18	15	12	5	15	15	1						5		
18:00 - 18:59				1		1	1	5			10			1		7		1	9	10	2	1	7		13				6		
19:00 - 19:59		3	4	13	21			8		5	11	3	3	6		17			8	3	1	1				6		10		6	
20:00 - 20:59	6	1	4	7	20		1		17			10	10	6		6	3		4	10	9	12	1	2	2	16	10	11		1	
21:00 - 21:59	8	13	19		7				11			11	8	6		7		1	9	11	5	4		2		46	13	11		14	
22:00 - 22:59	5	10	12	1	8	1	17	2	4			8	20	6					2	7		2		9	1	4	4	11	14	10	12
23:00 - 23:59		6	8	2	4	47	44	14	1	7		13	6	19						1				9	1				7	9	

**NDBs HEARD, BY FREQUENCY:**

The number of NDBs logged by each reporter on each frequency and the number logged by all on each frequency, ignoring offsets:

NDBs	kHz	CZE fr	CZE jp	CZE ze	DEU hw	DEU je	DEU mo	DEU mz	ENG ag	ENG bk	ENG ds	ENG ij	ENG me	ENG mt	ENG py	ENG rk	FIN he	FIN jt	FIN ks	FIN ro	FRA ea	FRA fb	FRA jj	FRA vl	HOL fg	HOL ft	HOL rb	IRL fo	ITA lt	ITA mg	SAR gc	SWE wr
12	420	4	2	5	7	5	5	4	4	5	4	3	3	4	8		1	1	4	1	3	4	6	4	5	4	6	1	3	1	4	3
8	421	5	2	5	8	6	6	6	3	5	3	3	5	4	7		4	4	4	3	3	3	4	3	5	4	7	2	4	1	2	6
7	422	3	3	3	5	3	3	4	3	2	1	3	3	2	4	1	3	2	4	2	2	3	3	2	3	3	3	1	2	1	2	3
7	423	3	3	3	6	6	4	3	3	4	5	4	5	6	5	2	3	1	3	2	5	4	4	1	4	4	6	2	2	3	3	4
4	424	2	1	1	4	4	4	3	2	3	1	3	3	3	3	1	1	1	1		3	3	3	3	3	2	3	1	2	2	2	4
9	425	5	4	5	6	5	5	5	3	5	2	2	3	4	6		2	4	5	5	3	2	3	1	5	5	5	2	2	2	2	5

10	426	2	1	2	8	5	6	5	5	6	6	6	6	5	8	1	3	3	4	3	4	4	3	3	7	6	6	2	1	2	3	5	
7	427	3	2	4	5	4	5	4	3	3	1	3	3	2	6	1	3	2	5	3	3	2	4	2	3	1	5	2	2	1	1	4	
10	428	2	2	3	6	4	4	1	4	4	3	2	4	4	6		1	1	1	1	3	4	4	3	6	5	6	2	4		5		
8	429	5	3	4	7	5	5	4	3	5	3	3	4	4	6	2	4	3	5	3	4	3	4	3	5	6	6	2	5	2	2	8	
9	430	4	2	3	8	3	3	4	3	4	2	1	2	3	4	1	1	6	6	6	2	4	2	2	3	2	5	4	1	2	4		
4	431	2		2	4	2	3	2	2	2	2	2	3	3	2	1			3	1	1	1	2	1	2	2	2	1	1		3		
7	432	5	5	6	6	4	5	5	1	2	1		3	1	5	1	3	4	4	4	2	3	2	2	3	1	5	1	1	2	1	4	
4	433	1	1	1	3	2	3	1	3	3	3	3	3	3	3	2	1	1	2	1	3	3	3	3	2	3	2	2	2	2	2	2	
1	433.5				1		1		1	1	1	1	1	1	1	1				1	1	1	1	1	1	1	1	1	1	1	1	1	
5	434	4	2	3	5	4	4	4	1	3	1	2	3	2	5	1	1	2	2	2	2	2	2	1	3	2	3	2	1		1	4	
8	435	5	3	3	7	4	5	4		2	1		4	2	5		2	1	4	4	2	3	4	3	3	3	4	2	3	2	3	4	
2	436	2	1	1	2	1	2	1		2	1		1	1	2			1	2		1	1	2	1	1	1	1		3	2		1	
2	437				1	1							1					1	1	2								1				2	
6	438	4	3	4	5	4	4	4		4	1	4	2	2	4	1	4	3	4	3	2	2	4	1	4	3	4		4	1	2	6	
0	439																																
<b>NDBs</b>	<b>kHz</b>	<b>CZE fr</b>	<b>CZE jp</b>	<b>CZE ze</b>	<b>DEU hw</b>	<b>DEU je</b>	<b>DEU mo</b>	<b>DEU mz</b>	<b>ENG ag</b>	<b>ENG bk</b>	<b>ENG ds</b>	<b>ENG ij</b>	<b>ENG me</b>	<b>ENG mt</b>	<b>ENG py</b>	<b>ENG rk</b>	<b>FIN he</b>	<b>FIN jt</b>	<b>FIN ks</b>	<b>FIN ro</b>	<b>FRA ea</b>	<b>FRA fb</b>	<b>FRA jj</b>	<b>FRA vl</b>	<b>HOL fg</b>	<b>HOL ft</b>	<b>HOL rb</b>	<b>IRL fo</b>	<b>ITA lt</b>	<b>ITA mg</b>	<b>SAR gc</b>	<b>SWE wr</b>	

### MOBs

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

kHz	C/S	Location	Cou	Reporter	UTC
420	HM	Budapest	HNG	<b>CZE ze</b>	19:33
428	DD	(UNID)	XUE	<b>CZE ze</b>	01:01
426	CRL	Tekirdag Corlu	TUR	<b>DEU mz</b>	23:16
422	O	Szolnok Opera	HNG	<b>FIN he</b>	20:41
425	RC	Parnu	EST	<b>FIN ks</b>	14:12
422	RQ	Plesetsk	RUS	<b>FIN ks</b>	07:38
420	ShF	Orsk	RUS	<b>FIN ks</b>	14:20
433	MI	Ermolino	RUS	<b>FIN ks</b>	17:33
428	TEAE	(UNID)	XUE	<b>HOL fg</b>	01:11
428	GC	Santa Cruz de Gracios	AZR	<b>HOL rb</b>	21:11
420	SS	Malmo Sturup	SW	<b>IRL fo</b>	20:47
429	UE	(UNID)	XUE	<b>SWE wr</b>	00:21

### TAB's

Trans-Atlantic Beacons' - NDBs that joined in the fun on both sides of the Atlantic  
*None this time.*

### FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

THEN: CLE 93 420 - 439.9 kHz 6 - 9 July 2007

NOW: CLE113 420 - 439.9 kHz 23 - 26 Jan 2009

Listener	Av km NOW	Total km x 1000 NOW	NDBs NOW	Max km NOW
CZE jp	856	33	39	2878
DEU je	1146	81	71	3815
DEU mo	1036	76	75	3308
ENG ij	1095	49	45	3191
ENG me	1301	78	60	3458
ENG rk	841	13	16	2295
FIN he	1380	51	37	4047
FIN jt	1347	55	41	3325
FIN ks	1492	94	63	4166
FIN ro	1447	65	45	4306
FRA ea	1042	50	48	2602
FRA fb	1030	51	50	3099
FRA jj	1062	62	58	2890
FRA vl	1029	40	39	2921
ITA it	823	34	41	2487
ITA mg	765	18	23	2252
SAR gc	885	28	32	1602

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	643	848	27	49	42	58	2787	2787
CZE ze	577	821	19	46	33	56	1210	2878
DEU hw	972	1218	75	123	77	101	3701	3701
DEU mz	735	925	37	57	51	62	2901	2901
ENG ag	989	1111	41	49	41	44	3328	2536
ENG bk	252	1190	3	77	11	65	592	3341
ENG ds	862	1008	22	42	25	42	1905	3082
ENG mt	989	1154	43	63	43	55	1885	3355
ENG py	1074	1304	75	116	70	89	2972	3513
HOL fg	871	1106	31	74	36	67	3080	3080
HOL ft	860	1134	34	64	39	56	2973	3001
HOL rb	938	1170	53	92	57	79	2979	3067
IRL fo	1377	1367	56	37	41	27	3639	3639
SWE wr	1065	1248	58	92	54	74	3532	3532
Averages:	872	1115	41	70	44	63	2677	3172
% Increase:		28		71		41		18

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 aerals, 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 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 aerals, 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.