

NDB LIST CLE No. 102 Below 240 kHz and NDBs on nnn.5 'half-frequencies' 22 - 25 February 2008, midday-midday local time

**COMBINED RESULTS
EUROPE**

For overall statistics, please see the covering email.

Reporters:

Receiver(s) / Aerial(s)

AUT	ax	Alex Wagner, Northern Austria, near Horn	RX: SDR-14 Ant: GAP Eagle DX (=ham antenna) on the roof of a 6-floor apartment block
CZE	fr	Frantisek Müller, Praha	Receiver: AOR AR 7030 with 500 Hz filter Aerial: homemade, shielded, active, tuned loop 1.0 m
CZE	ze	Zdenek Elias, Jablonec nad Nisou, N. Bohemia	RX: RFT-EKD 511; ANT: 120 m LW, MiniWhip 11 m up
DEU	je	Joachim Rabe, Norderstedt, north of Hamburg	Rx: JRC NRD-545 Ant.: ALA1530S+
DEU	mo	Michael Oexner, Roschbach	RX: ICOM R75, SDR-IQ Antenna: Wellbrook ALA 1530
DEU	mz	Matthias Zwoch, Arnsdorf, Nr.Dresden	rx= SDR-IQ ant= ALA1530+MiniWhip into Quantum phaser
ENG	ag	Alan Gale, Whitworth, Lancashire	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
ENG	b3	Brian Keyte, while at Messingham, N.Lincolnshire	AOR AR7030 with 300 Hz filter, PA0RDT Mini-Loop 6.5m high and long wire fence running E-W
ENG	br	Brian Martlew, Warrington	Receiver(s): AR7030 Antenna(s): ALA100
ENG	ds	David Atkins, Abbots Langley	Receiver(s): AR7030+ Antenna(s): AMRAD whip at 6m, Active Loop
ENG	mt	Mike Trodd, Yapton, Nr Arundel, W Sussex	FRG 100 with 125 Hz Inrad filter. MFJ 784B DSP. Datong FL3 ALA1530 or MiniWhip Mark 1
ENG	py	Peter Conway, Hastings	WINRADIO G313i V2.56 / Winrad V1.30 8/16 Hz audio filters - pa0rdt circuit ALA1530 rotateable loop - 1m above ground Mini-whip by pa0rdt - 6m above ground EWE Antenna at 240 degrees
FIN	jt	Jarno Fält, Tampere	Icom IC-R75, 250Hz cw filter, pa0rdt 6Hz audio filter Antenna: pa0rdt-Mini-Whip @10 meters
FIN	ks	Kari Syrjänen, Aitomaki, Near Kouvola	Receiver(s): AOR7030 Antenna(s): ALA100, MiniWhips
FIN	ro	Raimo Karjalainen, Laukaa, near Jyvaskyla	Receiver(s): Drake R8 Antenna(s): pa0rdt-Mini-Whip @ 16 metres
FIN	ta	Teijo Mäenpää, Säskylä	Kenwood R-5000 + Inrad 250 Hz pa0rdt-Mini-Whip @ 14 meters and 3 Flag-antennas
FIN	te	Torre Ekblom, Ristiina	rx: AOR7030 - Antenna: Eska&Edvis active antenna
FRA	dq	Dominique Kremp, Coutances, Normandy	Receiver(s): SPM-30 -ICR71mod.-ICR70 Antenna(s): ALA1530/ALA100
FRA	jj	Jean Jacquemin, Bethune, Merville, Nr Lille	AOR 7030+ / 300 Hz cw filter pa0rdt mini-whip ISO ALA 100 18m perimeter indoors DSP Timewave 599zx
GSY	lr	Lionel Roithmeir, St Sampson's parish, Guernsey	RX: AOR 7030PLUS (125hz Inrad cw filter) ANT: ATL-3 indoor loop
HOL	rb	Roelof Bakker, Zealand, SW Netherlands	Receivers: Visual: AR-7030, 2.2 kHz filter, beatnote set for 500 Hz, used as spectrum display running ARGO on a Pentium III 1GHz PC Aural : W&G SPM-30 #2, BW 24 Hz, 2000 Hz beatnote, external pitchshifter, 12 / 6 Hz external active audio filters and audio amplifier. Aerial: pa0rdt-mini-whip, 5 metre up a magnolia tree, main antenna Home made rotatable active loop Ø 1 metre Home made phasing system
SAR	gc	Giorgio Casu, San Gavino Monreale	-
SWE	bn	Bo Nensen, Hanabäckliden, Örnköldsvik	SDR-IQ, various Beverages
SWE	wr	Willi Reppel, Falkenberg	Antenna: 2x20 m double Zepp dipole Receiver: Preselector/Q-multiplier, SDR1000, software defined radio.

For fuller 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

Any 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. 20 indicates logged between 20:00-20:59).

Cou	kHz	Call	Location	AUT ax	CZE fr	CZE ze	DEU je	DEU mo	DEU mz	ENG ag	ENG b3	ENG br	ENG ds	ENG mt	ENG py	FIN jt	FIN ks	FIN ro	FIN ta	FIN te	FRA dq	FRA jj	GSY lr	HOL rb	SAR gc	SWE bn	SWE wr
ALG	356.5	OU	Ouargla	20	20	0	20	1			21	0	21	20	23	18					2	0		22	23		
BEL	348.5	LG	Liege Bierset		20	19	5	21	3	10	20	0	13	16							6	0	21	11			21
BEL	352.5	DD	Oostende		20	19	5	21	3	12	20	0	13	16							6	0	21	11			23
BEL	360.5	MAK	Mackel for Brussels		20	22	21	5	22	14	12	20	0	13	16	22	18				6	23	21	11	23		23
BEL	365.5	BC	Brasschaat							3	12	20	0		17							5		11			
BEL	386.5	SLV	Spa La Sauveniere		21			0			10				17							4		11			0
BEL	399.5	ONO	Oostende		22	22	23	5	1	14	12	20	1	15	19	23					20	23	21	11	22		1
BIH	357.5	KG	Sarajevo		20	23		21	21						21									22			
BRA	220	TUI	Tucurui												0												
CAN	220	BX	Blanc Sablon, QC							2				0	23									23			
CNR	283.5	NA	Punta Lantaila							2	6	20	23		19									23	22		
COR	349.5	SZA	Solenzara	20	20	23	20	20	21	3		20	0	23	22							0		22	23		22
CZE	345.5	CF	Caslav	19	12	22		18	21	3	23	20	0	2	20	2	20							21			22
CZE	514.5	LA	Namest nad Oslavou	20	13	22			1		23	23			19		20			22				22			1
DEU	276.5	BW	Bremen		23	0	20		17	2	12	20		22	12		20							11			21
DEU	284.5	DY	Dusseldorf			1	20								12							16		11			
DEU	300.5	LW	Koln Bonn		19						12	20			14							16		11			
DEU	350.5	FU	Hamburg West		20	0	20		21	3	10	20			19	22	17							21			22
DEU	401.5	BET	Rheine Bentlage	20	22	22	23	21	22	4	12	20	1	23	19	2					2	20		11			1
DEU	406.5	BOT	Bottrop	19	22	22	23	21	21	4	12	20	2	23	19	19	20		1		2	20		11	22	23	1

DEU	413.5	DLS	Berlin Lubars	19	13	22	23	5	21	4	22	20	2	19	19	16	1	23	22	23	1			
DNK	400.5	EJ	Esbjerg		22	1	23		1		12	21	1		17				11		1			
ENG	332.5	CAM	Cambridge		23				1	22	12	20	23	7	16				20	11	21			
ENG	342.5	NWI	Norwich							14	12	21	0	12	16				4	20	11			
ENG	347.5	TD	Teesside				20		1	14	12	20	0	21	16	20			2	4	11	22		
ENG	349.5	LPL	Liverpool							14	12	20	0	21	16				2		11	22		
ENG	353.5	EME	East Midlands							14	12	20	0	13	16		23		17	4	11	23		
ENG	356.5	SM	St. Mawgan							14	12	20	0	13	20				16	4	21	23		
ENG	362.5	SND	Southend on Sea							14	12	20	0	20	16				17	5	11	23		
ENG	363.5	CT	Coventry							14	12	20	0	13	17				2	23	11			
ENG	367.5	OX	Oxford Kidlington							14	12	20	0	14	17	1			2	23	21	11	0	
ENG	368.5	WHI	Whitegate for Hawarde							14	12	20	0	21	17				2	16	11	0		
ENG	371.5	NH	Norwich				22			14	12	20	1	14	17				20	23	11	0		
ENG	378.5	NN	Northampton Sywell							14	11	21	1	21	17						11	0		
ENG	383.5	LE	Leicester							4	12	20	1		19						22			
ENG	391.5	EAS	Southampton Eastleight							14	12	20	1	15	19				2	5	21	11		
ENG	396.5	PY	Plymouth City					5		3	12	20	1	15	19				2	23	21	22		
ENG	402.5	LBA	Leeds / Bradford							15	12	20	1	16	19	21				23	21	11	1	
ENG	433.5	HEN	Henton				23			15	12	20	2	16	19				6	5	21	11	1	
FIN	371.5	U	Helsinki Vantaa		21				1						18	15	21				22	15	0	
FRA	286.5	TA	Villacoublay								12		2	20	12				15	16	11			
FRA	288.5	AVD	Avord				20			2					12					16	11			
FRA	306.5	AV	Avord				18			2	12	20	23	19	16				7		20	11	22	
FRA	331.5	TLF	Toulouse Francazal		23				21	3	23	23	23	20	23				20	0	20	22	23	
FRA	359.5	CDN	Chateaudun		20	23	21	20	1	3	12	20	0	20	16	20			20	23	21	11	23	23
FRA	363.5	LXI	Luxeuil St Sauveur		20	23		20		3		20								23		22	22	
FRA	390.5	ITR	Istres Le Tube	20	21	22		22	1	3	23	20	1	20	19				6	23	21	22	23	0
HOL	335.5	TWN	Twenthe			23																		
HOL	350.5	ROT	Rotterdam			21			1	3	12	20	0	13	16				19	0	21	11	22	
HOL	383.5	GUL	Gulpen		21	23	23	21	1		12		1	20	17		1		1	23		11		0
HOL	388.5	CH	Amsterdam Schiphol								12	21			19				2	16		11		0
HOL	404.5	RR	Rotterdam Locator		22						12	21	2	20	19				1	23		11		1
HRV	351.5	PLA	Pula	20	20	22		21	21	3	23				21	23					22	23		
IOM	366.5	CAR	Carnane							14	12	21	0	19	17					23		11		23
ITA	301.5	CMP	Campagnano	19	19	21	18	21	20		21				23						21	22		20
ITA	301.5	TRE	Treviso		19	0			20						20									
ITA	333.5	VOG	Voghera	19	20	21	19	21	21	3	23	21	0	21	23	2	20		2	0		22	23	21

ITA	357.5	FAL	Ancona Falconara	20	20	21	21	22	21	3	22			2	21	21	23				2	23		22	23		23	
ITA	363.5	BRD	Brindisi	20	20	21	21	22		3	22	20	2	21	21	22							21		11	23		23
ITA	367.5	PNZ	Ponza	20	21	21	21	21	21	3	22	20		21	21	22	18				2	23		22	23		0	
ITA	376.5	ORI	Bergamo Orio al Serio		21	21		22	1	4	19		1	21	21							4		22	23		0	
ITA	392.5	TOP	Torino	20	21	21		21	21	4	23	21	1	21	21	20	6					5		22	23		1	
ITA	400.5	COD	Codogno	20	22	21		22	22			20	1	21	20	21	20				2	4		22	22		1	
KAL	312.5	BT	Mys Taran			0																					22	
LUX	368.5	ELU	Luxembourg Berg	20	21	22	19	21	1	3	12	20	0	21	17	23	18				2	23		11	23		0	
NIR	328.5	EGT	Londonderry Eglinton							22	10	21												22				
NOR	258.5	HL	Svolvaer Helle													22											21	
NOR	258.5	ML	Molde																								22	
NOR	284.5	LVK	Namsos Leirvika														20	20									16	
NOR	299.5	KN	Svolvaer Skrova							22	22		2		19	17	20	20						21			21	
NOR	308.5	HLN	Honningsvag Helnes													17	17	21									21	
POL	341.5	R	Rzeszow Jasionka	19	20	23	20	21	22		0				20		16							23			22	
ROU	214	DA.	Deveselu West			22																						
ROU	267.5	OPW	Bucharest Otopeni		22	23			17						23		18							23				
RUS	215	UW	Shumerlya														19											
RUS	222	WJ	Moskva Bykovo														20	19									16	
RUS	230	WZ	Kamenka			17										21	18	20			17						23	
RUS	312.5	DB	Mys Doobskiy																								22	
SCY	317.5	TRP	Trapani Birgi Marsala																								20	
SCY	355.5	PAL	Palermo		20					3							18										23	
SHE	315.5	SS	Scatsta								22	21				2								22			22	
SUI	356.5	SHU	Schupberg for Bern		20	0		18	23		21	20			23							0		22			23	
SVK	231	R	Malachy Kuchyna			17																						
SWE	370.5	LB	Angelholm Barkakra	20	21	0	22	20	1	3	10	20	1		17	18	20		17			23		11			0	
SYR	372.5	KTN	Kariatain		21			21	1	3	22	20	1		20	19	18							22	22		0	
TUR	383.5	ARF	Topel Arifiye		21	23		21	1						20	19	18							22				
UKR	309.5	EYa	Mys Yevpatoriyskiy	19	17	0			22								15							21	23		16	
UKR	309.5	SW	Mys Khersonesskiy	19	17	0			22																		16	
UKR	309.5	TR	Mys Tarkhankutskiy	19	17	0			22								16										16	
UKR	312.5	AT	Mys Aytodorskiy																								16	
USA	216	CLB	Wilmington Carolina Bc							2					1													
WLS	320.5	SWN	Swansea							9	12	17			19	16					6							
WLS	370.5	AP	Aberporth				22			14	12	20	1		19	21					2	23		22				
WLS	388.5	CDF	Cardiff		21			5		14	12	20	2		15	19					2	23	21	11			0	

SUI	Switzerland		1	1		1	1	1	1		1	1						1		1			1		
SVK	Slovakia			1																			1		
SWE	Sweden	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
SYR	Syria		1			1	1	1	1	1	1	1	1	1						1	1	1	1		
TUR	Turkey		1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
UKR	Ukraine	3	3	3			3							2			1			1	1	4			
USA	USA, NC							1				1													
WLS	Wales		1		1	1		3	3	3	2	3	3					3	2	1	2		1		
XOE	Offshore - Europe							2	2	1	1		1							2					
Cou	Country	AUT ax	CZE fr	CZE ze	DEU je	DEU mo	DEU mz	ENG ag	ENG b3	ENG br	ENG ds	ENG mt	ENG py	FIN jt	FIN ks	FIN ro	FIN ta	FIN te	FRA dq	FRA jj	GSY lr	HOL rb	SAR gc	SWE bn	SWE wr

LISTENING TIMES:

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

UTC (hh)	AUT ax	CZE fr	CZE ze	DEU je	DEU mo	DEU mz	ENG ag	ENG b3	ENG br	ENG ds	ENG mt	ENG py	FIN jt	FIN ks	FIN ro	FIN ta	FIN te	FRA dq	FRA jj	GSY lr	HOL rb	SAR gc	SWE bn	SWE wr
00:00 - 00:59			10			1		1		21	1	1							8					15
01:00 - 01:59			2			16				17		1	1	1		2		2						11
02:00 - 02:59							6			9	2		4					18						
03:00 - 03:59							21																	
04:00 - 04:59							8													7				
05:00 - 05:59					7															5				
06:00 - 06:59								1						1				6						
07:00 - 07:59											1							1						
08:00 - 08:59																								
09:00 - 09:59							1																	
10:00 - 10:59								5																
11:00 - 11:59								1													41			
12:00 - 12:59		1						39			1	4												
13:00 - 13:59		2									7													
14:00 - 14:59							17				2	1												
15:00 - 15:59							2				4							1					1	
16:00 - 16:59											2	13		3				1	6				6	
17:00 - 17:59		3	2			2			1			12	2	2		1	1	2						
18:00 - 18:59				2	2								2	10										1
19:00 - 19:59	9	3	2	2				1			4	17	4		2			1						

20:00 - 20:59	13	16	7	5	2			43		8	9	3	10	3		1	4	2	4				3	
21:00 - 21:59		12	9	5	13	14		2	12		12	8	4		2		1		1	13	6		3	4
22:00 - 22:59		7	11	3	5	7		3	7		1	1	5			4				24	8	5	7	
23:00 - 23:59		3	9	7		1		7	2	4	3	6	4	1		1		20		4	15	3	11	
UTC (hh)	AUT ax	CZE fr	CZE ze	DEU je	DEU mo	DEU mz	ENG ag	ENG b3	ENG br	ENG ds	ENG mt	ENG py	FIN jt	FIN ks	FIN ro	FIN ta	FIN te	FRA dq	FRA jj	GSY lr	HOL rb	SAR gc	SWE bn	SWE wr

NDBs HEARD, BY FREQUENCY:

The number of NDBs logged by each reporter on each frequency (below 240 kHz) and the number logged by all on each frequency, ignoring offsets:

NDBs	kHz	AUT ax	CZE fr	CZE ze	DEU je	DEU mo	DEU mz	ENG ag	ENG b3	ENG br	ENG ds	ENG mt	ENG py	FIN jt	FIN ks	FIN ro	FIN ta	FIN te	FRA dq	FRA jj	GSY lr	HOL rb	SAR gc	SWE bn	SWE wr
1	214			1																					
1	215															1									
1	216							1					1												
2	220							1				1	2									1			
1	222														1	1								1	
1	230			1										1	1	1		1						1	
1	231			1																					

MOBs

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

kHz	C/S	Location	Cou	Reporter	UTC
335.5	TWN	Twenthe	HOL	CZE ze	23:39
214	DA.	Deveselu West	ROU	CZE ze	22:45
231	R	Malachy Kuchyna	SVK	CZE ze	17:07
220	TUI	Tucurui	BRA	ENG py	00:55
215	UW	Shumerlya	RUS	FIN ro	19:33
258.5	ML	Molde	NOR	SWE bn	22:01
312.5	DB	Mys Doobskiy	RUS	SWE bn	22:39
312.5	AT	Mys Aytodorskiy	UKR	SWE bn	16:30

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

FREQUENCIES REVISITED - Progress Statistics *(Please see the explanation below)*

THEN: CLE 84 below 240 kHz plus nnn.5 kHz 27 - 30 Oct. 2006

NOW: CLE102 below 240 kHz plus nnn.5 kHz 22 - 25 Feb. 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	882	876	37	41	42	47	1970	2556
CZE ze	803	833	28	37	35	45	1521	2241
DEU mz	847	890	31	38	37	43	2243	2649
ENG ag	845	920	45	53	53	58	6130	6130
ENG br	769	751	48	44	63	58	2472	3767
ENG ds	529	648	21	33	39	51	2001	3571
ENG mt	634	618	40	30	63	48	2098	3852
ENG py	660	958	47	70	71	73	2143	7726
HOL rb	696	771	51	58	73	75	4089	4089
SAR gc	983	1011	24	23	24	23	2097	2588
Averages:	765	828	37	43	50	52	2676	3917
% Increase:		8		15		4		46

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 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.