NDB LIST CLE No. 109 **400 - 419.9 kHz** **26 - 29 Sept 2008, 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, nr Jablonec nad Nisou
CZE	**vd**	Vaclav Dosoudil, Kvasice (via Zdenek)
CZE	**ze**	Zdenek Elias, Jablonec nad Nisou, N. Bohemia
DEU	**db**	Dietmar Birkhahn, Lindlar, 30km east of Cologne
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	**br**	Brian Martlew, Warrington
ENG	**ds**	David Atkins, Abbots Langley
ENG	**ij**	Ian Johnson, Chalfont St Peter (near London)
ENG	**me**	Mike Thayne, Whitley Bay
FIN	**j8**	Jarmo Heittokangas, while at Pertteli
FIN	**jt**	Jarno Fält, Tampere
FIN	**ks**	Kari Syrjänen, Aitomaki, Near Kouvola
FIN	**ro**	Raimo Karjalainen, Laukaa, near Jyvaskyla
FRA	**fb**	Franck Baste, St Bonnet de Rochefort
FRA	**jj**	Jean Jacquemin, Bethune, Merville, Nr Lille
FRA	**vl**	Vincent Lecler, Near Poitiers
HOL	**fg**	Frank van Gerwen, Bakkum-Noord
HOL	**ft**	Frank Thijs, Hoeven
HOL	**rb**	Roelof Bakker, Zealand, SW Netherlands
ITA	**lt**	Luca Tius, Tavarnelle, Tuscany
POR	**bv**	Bev M Ewen-Smith, Algarve
SWE	**bn**	Bo Nensen, Hanabäckliden, Örnsköldsvik
SWE	**ca**	Christian Arvidsson, Storuman, N. Sweden
SWE	**cw**	Chris Wennstrom, Ljugarn, Gotland Is.
SWE	**tn**	Torbjorn Ericson, Nykoping
SWE	**wr**	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 'at' 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 db	DEU hw	DEU je	DEU mo	DEU mz	ENG ag	ENG bk	ENG br	ENG ds	ENG ij	ENG me	FIN j8	FIN jt	FIN ks	FIN ro	FRA fb	FRA jj	FRA vl	HOL fg	HOL ft	HOL rb	ITA lt	POR bv	SWE bn	SWE ca	SWE cw	SWE tn	SWE wr
ALG	407	BCR	Bechar						1		4					23									0			23		3					0
ALG	413	MCH	Mecheria																											0					
ALG	416	MAR	Algiers						2		20	2			18								19	2				20							
AUT	405	KW	Klagenfurt	20	21	5	21	4	18		4	22														23		20	2						3
AUT	408	BRK	Wien Bruck	12	21	4	21	2	13	19	4	22	2	19	18	23	17	20	20	17	18	20	18	19	0	23	1	20	3	3	17		18	21	0
AUT	410	SI	Salzburg	12	22	4	22		17		4	22		19	18	0		3	19		1						1	0					18	22	1
AUT	413	KTI	Innsbruck Kühtai	21	22	4	21	2	17	21	5	22	2	19	19	0	21	20					18	19	18	23	1	17	4		3				1
AUT	418	ZW	Zeltweg	21		5	20		17		4	22			18									18	19	23		18						22	1
BAL	401	PTC	Porto Colom Palma						4		4	22																							
BEL	402	OP	Brussels National	20			22	3	16		4	3	1	11	11	22	16	3					20	15		23	2	19							21
BIH	402	ZV	Tuzla									3																							
BIH	405	IL	Sarajevo Ilidza				23					3																							
BUL	415	RUS	Russe				23		17		18	22	2			0					1		18	20		0	3	22					17	22	1
CAN	401	YPO	Peawanuck, ON																									5							
CAN	404	YSL	St. Leonard, NB						5					5														5							
CNR	410	TX	Tenerife Norte																											3					
CZE	416	KUN	Kunovice			4	3		22		3	2																							23
CZE	416	V	Vodochody	12	22		21		17		19	22														23								22	2
DEU	400	MSW	Munchen	12	21		21		16		4	14			17	2								2		23	2	19						20	21
DEU	401.5	BET	Rheine Bentlage	20	21	4	22	2	13	17	4	22		11	11	22	20			18	18		19	18		2	23	19						21	23
DEU	405	GRW	Grafenwohr	12	22		22		13	18	4	22			18	23	21				0			0		0	2	20						21	3
DEU	406	HOZ	Holzdorf	12			21		13		19	22			19	2			20		22							23							0
DEU	406.5	BOT	Bottrop	20	21	4	22	2	13	19	4	22	2	11	18	23	16	18	20	17	17	18	18	18		0	0	21			3		17	21	23
DEU	407	LUP	Laupheim	20		4	0	4	18	20	4	22	2		18	23					22		18	20	0	0	1	20	3						23
DEU	413.5	DLS	Berlin Lubars	12	22	4	21	4	13	21	4	22	2	19	20	0	21	20	17	17	17	19	19	20		23	3	18			3		18	22	1
DEU	415	RTB	Nurnberg Rothenbach	22			23		19	22	5	2			21	0					1														4
DEU	417	HDL	Heidelburg						13	4	4	2		22	19	1	21							19		23	1								22
DEU	417	LI	Dusseldorf				19	2	13	21	18	1	2	18	19	1	21							19		23	1	9						22	1
DEU	419	WUN	Wunstorf				17	4	13	22	4	1	3	18	19	1				18				20		23		10						22	22
DNK	400.5	EJ	Esbjerg				23		16	17	4	22		18	19	21	20	3	17	19	21					15		19			3		20	21	21
ENG	401	FNL	Fenland											11	11	21	16											19							
ENG	402.5	LBA	Leeds Bradford						18				2	11	17	22	16	16			22			19		2	0	19							21
ENG	406	BHX	Birmingham						18				2	11	18	23	16	18						2		23	0	20							3
ENG	414	BRI	Bristol						18	21	4	2	2	11	19	0	17	20					18	15		23	1	9							1
ENG	417	ND	Gt.Yarmouth Nth Dene						19					11		1	17							4		23		9							
ESP	400	B	Valencia																											5					
ESP	401	COA	La Coruña						22		4			18	21	21	18							2	0	0	4	19		22					23
ESP	403	TOB	Villatobas						4				2	19	18	23												20		22					
ESP	410	C	La Coruña						4		4			19	18	0	21	4					19	19	0	0		23		23					1
ESP	412	GRA	Granada											20		0														23					
ESP	412	GRN	Gerona						1		4	1		20	19		21						19	1	0	23		18		4					23
ESP	416	SA	Santander																						8										
ESP	417	ACD	Alcobendas						0		5			20	19	1								0	19	23		18		20					

ESP	417	SNO	Santiago											20	19	1								0	19	20		4							4
ESP	418	BAI	Bailen								5			20	18		21						19	5	18			18		4					
EST	418	L	Tallinn Ülemiste	21	22	20	22	2	17	22	18		3	19	19	1		19	16	16	15	19		20		23	3	18			17	19	19	22	2
FIN	401	JP	Joensuu	22	21	3	0		17		1	22		18					16	16	15	20				19		19			15		17	21	21
FIN	403	H	Helsinki Vantaa				22		18			22							16	16	15	20									16		17	21	22
FIN	404	JAN	Halli Janne		21	1	0		18	19	19	22							16	16	15	20						20			15	19	17	21	22
FIN	404	Y	Kemi Tornio	20		3	0		18		19	22		23	18				17	16	15	20				19		20			15	19	18	21	22
FIN	406	V	Ivalo						22			3							19	16	16	20									16		18	22	23
FIN	408	F	Helsinki Malmi			1			18										15	16	15	20									16		18	20	0
FIN	408	H	Enontekio																19		17	20									16			22	0
FIN	408	O	Seinajoki						22			3							17	19	15	20									16		18	22	0
FIN	411	M	Kokkola Kruunupyy	21	23	2	0		18		2	22		21		0		19	16	16	15	19				23		0			16	19	18	22	1
FIN	412	I	Halli		23		21		1			22		0				3	20	16	15	19									16		18	22	20
FIN	416	TOR	Rovaniemi Toramo	21	22	3	22		18		23	1		19		1		19	17	16	15	19		20		20		18			16	19	19	22	1
FIN	419	HY	Vaasa	22	23		0		17		19	1	1	18		1		19	16	16	15	19		0		23		18			16	19	19	22	22
FRA	400	AG	Agen La Garenne						0		4			18	17	21							15		7			5							
FRA	400	MO	Macon					2	17		4	22	1	0	17	21							15		7			19							21
FRA	401	LA	Laval Entrammes					2	17		4	4	1	11	11	2	16						15	15	7	0		14							21
FRA	402	DA	Ales Deaux				23	2	18		4	4		21	18	22							15	0	7			19	2						4
FRA	403	VZ	Vichy Charmeil											11	20								15		8										
FRA	404	AGO	Angoulême																				15		8					2					
FRA	404	CNE	Caen Carpiquet						19		4	4	15	11	18	23	16						19	18	8	23	5	20							
FRA	404	MRV	Merville Calonne						13		4		15	11	18	23	16	16						15		15	5	20							3
FRA	405	BIC	Briare Chatillon	20					18		5	4	2	11	18	23	16						15	15	8	0		20						21	23
FRA	405	LYS	Lyon St Exupery						19		5	4																							
FRA	406	MJ	Marseille						1																										
FRA	406	TW	Toulouse																				15		8					3					
FRA	410	ETN	Etain Rouvres						4		5			11	18		7							15		23		9							
FRA	412	SE	Strasbourg Entzheim						13		4			21	18													9							
FRA	413	ALM	Aix Les Milles						19		4			5	18											1		5							
FRA	415	TOE	Toulouse Blagnac						18		4		2	19	19	1							15	19	8	23		17	4	20					3
FRA	416	ULT	Ussel Thalamy						18		5			18	19								15	19	8	23		17							
FRA	417	AX	Auxerre Branches						18					1	18								15		8	18		17							
FRA	418	MK	Calais Dunkerque	21					17	4	18	1	3	11	19	1	17	16	21	18			19	15	19	23	1	10		1					22
FRA	419	EMT	Epinal Mirecourt								4			10	18	1	8						15	15	18	22		10							2
HNG	400	BC	Bekescsaba						18																	2		19							20
HNG	403	M	Budapest Ferihegy	20		5	21		18		17	22																20							23
HNG	409	NCS	Nagy Cserkesz	21		2	23	2	16	20	18	22			18	0	21			17	21		18	19	0	0	1	23			3			22	0
HNG	412	PP	Pecs	21	23	4	21		19		18	22		19	19	0								1	18	23	2	0						22	1
HOL	404.5	RR	Rotterdam Locator					1	18		17	3		11	18	23	16							15		23	0	20							3
HRV	400	BRZ	Rijeka Krk Breza	20	21	4	21		16		21	14			17	18							18	4		2		19	2						23
HRV	412	HUM	Humac	21		4	23		19		18	22											19					0						21	1
HRV	414	GR	Dubrovnik Gruda	19					19		18	1											19												1
HRV	418	DVN	Split Drvenik			4	23		17	4		1													18	1			4	1					
IRL	407	GAR	Dublin Garristown	21					18		4	22	2	11	18	23	16	16		19	0		20	1	0		1	20						20	0
ITA	400.5	COD	Codogno	20	21	4	21	3	16		4	22		18	17	18	20	21			0		18	19	0	23		19	2				21	23	20
ITA	401	BPL	Bari Palese	20	21	4	22	3	18	18	21	22	2		19		20				21		18	4	0	2	0	19	2				21	21	21
ITA	405	VIE	Vieste	20					1		18	22		19		23	21						18	2	0			20	2						22

ITA	408	CHI	Chioggia	20		4	22	3	17		4	22	2	21	18	23	21				1		18	4	0	23	3	23	3					21	22
ITA	413	BOA	Bologna	21	22	2	22		17		18	1	2	19	21	0		19	21		1		18	0		23	3	17	4	4			18	20	1
ITA	417	VIC	Vicenza	21			19		17		4	2	2		20									19		20		20							23
ITA	418	SVC	Aosta				23		1		4												19		18										
KAL	410	K	Kaliningrad		21		21		16	21	19	22			18				17	17								17			3		18	21	1
LBY	403	MB	Marsa Brega						2																										
LBY	407	SRT	Sirte	21	21	4	23	3	18		17	22		21		0	21			18	22		19	4	0	0		20	2	3				22	23
LBY	410	VH	Hofra V10								2																								
LTU	407	PN	Palanga				21	3	16	19	18	22		19	18	23		3	17		17	18				23	2	20					18	22	23
LUX	404	LW	Luxembourg	20	21	4	22	3	16	19	4	22		20	18	22	20	18	20		0		19	18		2	0	20						21	20
MRC	401	ALU	Al Hoceima Cherif Al I																											14					
NOR	400	NTD	Notodden		21		0		17			22		18					18	18	18	20						19			16		18	21	21
NOR	404	DA	Torp Dalen Sandefjor	20	21	4	0	4	16	18	17	22		19	18	22	20	18	20	17		20		0		20		20			16		17	21	22
NOR	404	KG	Stokmarknes Kjerringr						23									21	19		18	20						1			15		17	21	23
NOR	404	VNG	Vangsnes		20	4	0		18		19		2	18		22		18	19	18	22			19				20			3	19	17	20	22
NOR	408	SD	Sandane						19										20	18	18	19											20		0
NOR	414	HD	Sandnessjoen Hestad						18	21		2		19	19	0		19	17	17	17	19		19		23		18			16	19	20	22	1
NOR	414	SJA	Bardufoss Senja						22					1					18		18	19									16			22	1
NOR	414	SLB	Oslo Solberg	21	0		23		18	21	2	22		19		0		19	21	17	17	19				23		18			17		19	22	1
POR	401	LO	Lisbon Caparica											23		22													4	14					
ROU	404	BMR	Baia Mare	20	19	20	22	3	16	18	19	22			18	22	20				17			20		23		20	2					21	23
ROU	405	S	Sibiu Turnisor						2																										
ROU	408	TSR	Timisoara Giarmata	20		2	23		18		19	22									21							23						22	0
ROU	417	EA	Craiova				3											3																	
ROU	418	ORA	Oradea	21		20	0		17		18	22	1	1			22			17	1			18	18	23	3	18	2				18	22	1
RSE	410	US	Ekaterinburg																	17	16	20													
RSE	412	KS	Balandino																	17	16														
RUS	405	FP	Cherepovets																	16	16	18													
RUS	405	OM	Volgograd Marinovka																19																
RUS	405	OW	Cherepovets																20		15	20									16				
RUS	405	UM	Ivanovskoye						2											17	16													20	
RUS	406	ÖI	Balashov (?)																		15														
RUS	410	SF	Cherusti																	18	16													20	
RUS	415	DR	Skurygino																	18	18														
RUS	415	LM.	Tsentralny/Orenburg																		17														
SAR	402	CAR	Carbonara	20	21	1	23	4	17		4	22			19								19	4	0				2	2					23
SCT	401	BBA	Benbecula						19		4	2	1	20	11	21	20	3			3					23		19							20
SCT	404	OBN	Oban N.Connell											5	18		21																		
SCY	407	CTF	Catania Fontanarossa	20					19		18	3				0								20	0			23	3	3					0
SCY	412	SIG	Catania Sigonella	22					17																0										
SRB	405	JST	Nis Justic	20			0		18	18	17	22	2		18	23					22			19		0	2	20	2					21	22
SRB	412	DAK	Amiko Dakovica	19		2			2		2										1							17						22	
SRB	416	POZ	Belgrade Pozarevac	21	22	4	21	4	17	21	18	22	2	19	19	1	21		18	17	17	19	18	19	18	23	3	17					21	22	1
SUI	403	LPS	Les Eplatures	20	23	4	21	4	18		4	22		18	19								18	4	0	23	5	20							
SVK	404	ZLA	Zilina	20	20	4	22		16		21	22				22					1					3		20						21	4
SVK	412	FS	Sliac	21	23	5	21		17	21		22				0				18	17					0	2	17			3		18	22	1
SVK	418	PW	Poprad Tatry West	21		5	22		18			1								20														23	23
SVN	414	ILB	Bistrica Ilirska	21	22		23		17		4	22					21						18	19	0	0	3	17						22	1

Cou	kHz	Call	Location	CZE fr	CZE jp	CZE vd	CZE ze	DEU db	DEU hw	DEU je	DEU mo	DEU mz	ENG ag	ENG bk	ENG br	ENG ds	ENG ij	ENG me	FIN j8	FIN jt	FIN ks	FIN ro	FRA fb	FRA jj	FRA vl	HOL fg	HOL ft	HOL rb	ITA lt	POR bv	SWE bn	SWE ca	SWE cw	SWE tn	SWE wr
SWE	400	EN	Orebro	20	21	3	22		17		21	22	1	18		21		19	18	17	17	20				19		19			15		17	21	21
SWE	402	LX	Eskilstuna		23	4	22		18		1	22				2			17	18	16	20						20			17		17	21	21
SWE	402	TH	Torsby		21		23		18		1	22		18				19	18	19	17	20						19			15		17	21	21
SWE	403	NM	Mora Siljan	20			21		18		23	3		0					18	18	17	20						19			15	19	17	21	22
SWE	403	OJ	Jonkoping	20	21	2	22		18	18	19	22	2	18							21						2	20					17	19	22
SWE	404	LA	Stockholm Arlanda			2	0		18		21	22							4	16	16										16	19	17	20	22
SWE	405	AV	Goteborg Save		23	4	23		13		22	22	2	18				18	18	17	23	19					0	20			17		17	21	22
SWE	406	NV	Vilhelmina						0										19	17	17	20									16		18	20	23
SWE	407	KA	Karlskoga		23	2	22		18		19	1		19				3	17	17	16	20						20			16		18	22	0
SWE	409	SG	Satenas	21	22	4	23	3	17	21	18	22	2	19	18	0	20	19	17	17	17	20		19		0		23			16	20	18	21	0
SWE	415	OL	Linkoping Saab	21	22	3	22		17	21	18	1	2	19		1		20	17	17	17	19		19		23	3	18			16		19	22	1
SWE	416	BCS	Bacchus				0		17		3	2		0					17	17	16	19				23		18			16	19	19	22	22
SWE	416	R	Arvika	21			3		18	22			2	1		1			17		22	19				22		20			17		17	22	1
SWE	417	AH	Angelholm Barkakra	21	22	20	22	2	13	22	4		2	18	19	1	21	19	17	17	17	19	19	20		23	1	9			17		19	22	2
SWE	417	R	Gavle Sandviken		0	2	23		17	22	3	1		19				19	16	16	16	19		20		1		20			16	19	19	22	2
SWE	419	RD	Vasteras Hasslo	21	22	3	22		17		19	1	3	18		1		19	17	16	16	19		18		23	1	18			16	19	19	22	22
TUR	409	SRT	Siirt					3																											
UKR	401	D	Dzhankoi																	18	17														
UKR	405	B	Kiev Boryspil						0											18															
XOE	403.5	LNL	Lancelot A												18													10							
XOE	410	LAPI5	Geo Challenger Vesse			3																													
XOE	410	LMKL	Havila Troll Tug (?)						18			2								20	22														0
XUE	400	I	(UNID)																		16														
XUE	402	T	(UNID)																		16														
XUE	406	OÜ	(UNID)																		16														
XUE	407	DIS	(UNID)																							22									
XUE	412	KB	(UNID)																										4						
XUE	416	FN	(UNID)																																1
XUE	417	UBE	(UNID) Ubari,LBY?						2																										
XUU	412	KK	(UNID)																		17														

COUNTRIES HEARD:

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

Cou	Country	CZE fr	CZE jp	CZE vd	CZE ze	DEU db	DEU hw	DEU je	DEU mo	DEU mz	ENG ag	ENG bk	ENG br	ENG ds	ENG ij	ENG me	FIN j8	FIN jt	FIN ks	FIN ro	FRA fb	FRA jj	FRA vl	HOL fg	HOL ft	HOL rb	ITA lt	POR bv	SWE bn	SWE ca	SWE cw	SWE tn	SWE wr
ALG	Algeria						2		2	1			1	1							1	1	1			2		2					1
AUT	Austria	5	4	5	5	3	5	2	5	5	2	3	4	3	2	3	2	1	2	1	2	3	3	4	3	5	3	1	2		2	3	5
BAL	Balearic Is.						1		1	1																							
BEL	Belgium	1			1	1	1		1	1	1	1	1	1	1	1					1	1		1	1	1							1
BIH	Bosnia-Hercegovina				1					2																							
BUL	Bulgaria				1		1		1	1	1			1					1		1	1		1	1	1					1	1	1

NB	CAN, New Brunswick						1					1														1								
ON	CAN, Ontario																									1								
CNR	Canary Is.																											1						
CZE	Czech Rep.	1	1	1	2		2		2	2															1								1	2
DEU	Germany	8	5	4	10	6	11	9	11	11	5	6	11	11	6	2	3	4	7	2	4	9	1	9	8	9	1		2		2	7	11
DNK	Denmark				1		1	1	1	1		1	1	1	1	1	1	1	1					1		1			1		1	1	1
ENG	England						4	1	1	1	3	5	4	5	5	3			1		1	4		4	3	5							3
ESP	Spain						5		5	1	1	8	7	6	4	1					3	6	7	5	1	7		8					4
EST	Estonia	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
FIN	Finland	5	6	6	8		11	1	6	10	1	6	1	3		4	12	11	12	12		2		5		6			12	5	11	12	12
FRA	France	2			1	3	16	1	15	7	7	16	16	10	7	2	1	1			14	10	14	11	3	15	2	4				1	8
HNG	Hungary	3	1	3	3	1	4	1	3	3		1	2	2	1			1	1		1	2	2	3	2	4			1			2	4
HOL	Netherlands					1	1		1	1		1	1	1	1							1		1	1	1							1
HRV	Croatia	3	1	3	3		4	1	3	4			1	1							3	1	1	2		2	2	1				1	3
IRL	Ireland	1					1		1	1	1	1	1	1	1	1		1	1		1	1	1		1	1						1	1
ITA	Italy	6	3	4	6	3	7	1	7	6	4	4	5	4	4	2	1		4		6	6	5	5	3	6	5	1			3	4	6
KAL	Kaliningrad		1		1		1	1	1	1			1				1	1								1			1		1	1	1
LBY	Libya	1	1	1	1	1	2		2	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	1					1	1	1
LUX	Luxembourg	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1		1		1	1		1	1	1						1	1
MRC	Morocco																											1					
NOR	Norway	2	4	2	4	1	8	3	3	4	1	6	2	4	1	5	8	6	7	7		3		3		6			7	2	7	7	8
POR	Portugal											1		1													1	1					
ROU	Romania	3	1	3	4	1	4	1	3	3	1	1	1	1	2	1		1	3			2	1	2	1	3	2				1	3	3
RSE	Russia (East)																	2	2	1													
RUS	Russia (Eu)						1										2	4	7	2									1			2	
SAR	Sardinia	1	1	1	1	1	1		1	1			1								1	1	1				1	1					1
SCT	Scotland						1		1	1	1	2	2	1	2	1			1					1		1							1
SCY	Sicily	2					2		1	1				1								1	2			1	1	1					1
SRB	Serbia	3	1	2	2	1	3	2	3	2	2	1	2	2	1		1	1	3	1	1	2	1	2	2	3	1				1	3	2
SUI	Switzerland	1	1	1	1	1	1		1	1		1	1								1	1	1	1	1	1							
SVK	Slovakia	3	2	3	3		3	1	1	3				2				2	2					2	1	2			1		1	3	3
SVN	Slovenia	1	1		1		1		1	1					1						1	1	1	1	1	1						1	1
SWE	Sweden	8	11	11	15	2	16	6	14	13	8	13	2	7	2	9	15	14	16	14	1	5		8	5	14			15	6	16	16	16
TUR	Turkey					1																											
UKR	Ukraine						1											2	1														
XOE	Offshore			1			1			1			1					1	1							1							1
XUE	(UNID)						1												3					1			1						1
XUU	(UNID)																		1														
Cou	Country	CZE fr	CZE jp	CZE vd	CZE ze	DEU db	DEU hw	DEU je	DEU mo	DEU mz	ENG ag	ENG bk	ENG br	ENG ds	ENG ij	ENG me	FIN j8	FIN jt	FIN ks	FIN ro	FRA fb	FRA jj	FRA vl	HOL fg	HOL ft	HOL rb	ITA lt	POR bv	SWE bn	SWE ca	SWE cw	SWE tn	SWE wr

LISTENING TIMES:

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

UTC (hh)	CZE fr	CZE jp	CZE vd	CZE ze	DEU db	DEU hw	DEU je	DEU mo	DEU mz	ENG ag	ENG bk	ENG br	ENG ds	ENG ij	ENG me	FIN j8	FIN jt	FIN ks	FIN ro	FRA fb	FRA jj	FRA vl	HOL fg	HOL ft	HOL rb	ITA lt	POR bv	SWE bn	SWE ca	SWE cw	SWE tn	SWE wr

UTC (hh)	CZE fr	CZE jp	CZE vd	CZE ze	DEU db	DEU hw	DEU je	DEU mo	DEU mz	ENG ag	ENG bk	ENG br	ENG ds	ENG ij	ENG me	FIN j8	FIN jt	FIN ks	FIN ro	FRA fb	FRA jj	FRA vl	HOL fg	HOL ft	HOL rb	ITA lt	POR bv	SWE bn	SWE ca	SWE cw	SWE tn	SWE wr
00:00 - 00:59		2		13		4					4		18					4			7	18	14	7	4		1					14
01:00 - 01:59			3		1	6		3	14	7	4		17					8			3		3	12	1		2					25
02:00 - 02:59			9		11	6		4	10	27			4								5		6	8		11	2					5
03:00 - 03:59			7	3	10			3	8	4					8			1					1	9		4	6	8				6
04:00 - 04:59			25		8	4	3	41	5						1	1					7			1	1	6	3					4
05:00 - 05:59			5			1		8			3										1			3	4		1					
06:00 - 06:59																																
07:00 - 07:59														1								4										
08:00 - 08:59														1								9										
09:00 - 09:59																									6							
10:00 - 10:59											1														4							
11:00 - 11:59											17	5																				
12:00 - 12:59	7																															
13:00 - 13:59						13																										
14:00 - 14:59									2																1		2					
15:00 - 15:59										2						1		13		12	9		2					7				
16:00 - 16:59						12								11	4	7	15	15										22				
17:00 - 17:59				1		28	2	5				6		4		16	21	19							10			7		16		
18:00 - 18:59						37	6	16			18	34	2	1	6	7	14	7	3	16	7	8	1		14					18		
19:00 - 19:59	2	1		2		11	5	12			21	21			13	7	4		18	15	18	4	3		19				13	9	1	
20:00 - 20:59	25	2	4	1			2	1			7	3		9	5	8	2		21	2	10		4		32		2		1	3	9	5
21:00 - 21:59	24	19		18			11	5			5	3	7	16	2	3		5							1					3	27	12
22:00 - 22:59	4	14		22		5	6	1	55		1		10	1				8					3		1		2				35	18
23:00 - 23:59		9		18		1		2			2		16					1					41	1	8		2				2	18

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 vd	CZE ze	DEU db	DEU hw	DEU je	DEU mo	DEU mz	ENG ag	ENG bk	ENG br	ENG ds	ENG ij	ENG me	FIN j8	FIN jt	FIN ks	FIN ro	FRA fb	FRA jj	FRA vl	HOL fg	HOL ft	HOL rb	ITA lt	POR bv	SWE bn	SWE ca	SWE cw	SWE tn	SWE wr
9	400	3	4	2	4	1	7		5	5	2	4	4	5		1	2	2	3	2	3	2	2	4	1	7	1	1	2		2	3	6
2	400.5	1	1	1	2	1	2	1	2	2		2	2	2	2	2	1	1	2		1	1	1	2		2	1		1		2	2	2
11	401	2	2	2	2	2	6	1	6	5	3	6	5	5	5	1	1	2	4	1	2	3	3	5	2	7	2	3	1		2	2	5
1	401.5	1	1	1	1	1	1	1	1	1		1	1	1	1			1	1		1	1		1	1	1						1	1
7	402	2	3	2	5	3	5		5	6	1	3	3	3	1	2	2	2	3	2	3	3	2	1	1	4	2	1	2		2	2	5
1	402.5						1				1	1	1	1	1	1			1			1		1	1	1							1
8	403	4	2	3	5	1	7	1	4	5	2	5	3	1			2	2	3	2	2	1	2	1	2	5		1	2	1	3	3	4
1	403.5												1													1							
14	404	5	6	8	8	3	12	4	10	8	3	8	7	7	6	5	7	5	8	4	3	6	2	7	3	11	1	1	6	4	6	9	10
1	404.5					1	1		1	1		1	1	1	1							1		1	1	1							1
14	405	5	3	2	5	1	10	2	7	8	3	3	3	4	3	1	3	4	6	3	2	4	2	4	3	6	3		2		1	5	6
8	406	1			1		5		1	2	1	1	2	2	1	1	3	2	5	2	1	1	1	1	1	2		1	2		2	2	4
1	406.5	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
8	407	4	2	3	4	3	7	2	7	6	2	4	3	6	2	3	2	3	5	2	3	4	5	4	3	7	3	3	1		2	4	7

7	408	3	1	4	3	2	6	1	3	4	2	2	2	2	2	1	5	4	7	5	2	2	2	2	2	3	2	1	4		4	6	7
3	409	2	1	2	2	3	2	2	2	2	1	1	2	2	2	1	1	2	2	1	1	2	1	2	1	2			2	1	1	2	2
10	410	1	2	2	2		5	1	5	3		3	4	2	2	2	2	4	4	1	1	2	1	2	1	4		2	1		2	3	4
1	411	1	1	1	1		1		1	1		1		1		1	1	1	1	1				1		1			1	1	1	1	1
12	412	5	3	4	4		8	1	5	5		5	3	3	1	1	1	3	5	1	2	2	3	3	2	6	1	2	2		2	5	5
4	413	2	2	2	2	1	3	1	3	2	2	3	3	2	1	2	1		1		2	2	1	3	2	3	2	2	1		1	1	2
1	413.5	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
6	414	3	2		2		6	3	4	5	1	4	2	3	2	3	3	2	3	3	3	3	1	4	2	4			3	1	2	4	6
6	415	2	1	1	3		4	2	4	3	3	2	2	4		1	1	2	5	1	2	3	1	3	2	3	1	1	1		2	2	4
10	416	4	3	3	6	1	8	2	7	6	2	5	3	3	1	1	4	3	4	4	3	4	3	6	1	6			3	2	4	5	7
11	417	2	2	2	5	2	9	4	6	4	3	8	7	6	4	3	2	2	2	2	2	8	3	9	3	8		1	2	1	2	3	6
8	418	5	1	5	6	1	7	3	6	5	3	4	4	2	3	2	2	4	2	1	3	5	6	5	3	5	2	3	1	1	2	4	5
4	419	2	2	1	3	1	3	1	4	3	3	4	2	4	1	2	2	3	2	2	1	4	1	4	1	4			2	2	2	3	4
NDBs	**kHz**	CZE fr	CZE jp	CZE vd	CZE ze	DEU db	DEU hw	DEU je	DEU mo	DEU mz	ENG ag	ENG bk	ENG br	ENG ds	ENG ij	ENG me	FIN j8	FIN jt	FIN ks	FIN ro	FRA fb	FRA jj	FRA vl	HOL fg	HOL ft	HOL rb	ITA lt	POR bv	SWE bn	SWE ca	SWE cw	SWE tn	SWE wr

MOBs

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

kHz	C/S	Location	Cou	**Reporter**		UTC
410	LAPI5	Geo Challenger	XOE	**CZE**	**vd**	03:57
409	SRT	Siirt	TUR	**DEU**	**db**	03:19
406	MJ	Marseille	FRA	**DEU**	**hw**	01:37
403	MB	Marsa Brega	LBY	**DEU**	**hw**	02:05
405	S	Sibiu Turnisor	ROU	**DEU**	**hw**	02:02
417	UBE	(UNID) Ubari,LBY?	XUE	**DEU**	**hw**	02:15
410	VH	Hofra V10	LBY	**DEU**	**mo**	02:55
402	ZV	Tuzla	BIH	**DEU**	**mz**	03:02
405	OM	Volgograd Marinovka	RUS	**FIN**	**j8**	19:10
406	ÖI	Balashov (?)	RUS	**FIN**	**ks**	15:41
415	LM.	Tsentralny/Orenburg	RUS	**FIN**	**ks**	17:06
400	I	(UNID)	XUE	**FIN**	**ks**	16:20
402	T	(UNID)	XUE	**FIN**	**ks**	16:25
406	OÜ	(UNID)	XUE	**FIN**	**ks**	16:27
412	KK	(UNID)	XUU	**FIN**	**ks**	17:10
416	SA	Santander	ESP	**FRA**	**vl**	08:19
407	DIS	(UNID)	XUE	**HOL**	**fg**	22:24
401	YPO	Peawanuck, ON	CAN	**HOL**	**rb**	05:00
412	KB	(UNID)	XUE	**ITA**	**lt**	04:04
413	MCH	Mecheria	ALG	**POR**	**bv**	00:17
410	TX	Tenerife Norte	CNR	**POR**	**bv**	03:36
400	B	Valencia	ESP	**POR**	**bv**	05:52
401	ALU	Al Hoceima Cherif Al	MR	**POR**	**bv**	14:07
416	FN	(UNID)	XUE	**SWE**	**wr**	01:58

kHz	C/S	Location	Cou	**Reporter**	UTC

TAB's 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 90 400 - 419.9 kHz 6 - 10 Apr. 2007
NOW: CLE109 400 - 419.9 kHz 26 - 29 Sept. 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	800	62	50	69	62	2356	2103
CZE vd	721	838	22	44	30	52	1670	2007
CZE ze	851	820	49	64	58	78	2009	2180
DEU hw	1054	1039	140	131	133	126	3245	5372
DEU mz	901	894	62	83	69	93	2224	2224
ENG ag	1125	1074	83	43	74	40	2916	2328
ENG bk	1078	1103	98	92	91	83	2632	4748
ENG br	1172	1082	101	78	86	72	2911	2087
ENG ds	986	1084	52	80	53	74	2158	2672
FRA jj	1013	951	89	64	88	67	2440	2440
HOL fg	998	955	87	74	87	77	3399	2567
HOL rb	1075	1109	124	119	115	107	3555	5527
SWE bn	726	672	32	30	44	44	2095	1860
SWE tn	955	916	72	68	75	74	3522	3066
SWE wr	961	1036	92	109	96	105	2876	3028
Averages:	968	958	78	75	78	77	2667	2947
% Increase:		-1		-3		-1		11

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.

CLE109e5_adj.xls
bk 3 Oct.2008