

NDB LIST CLE No. 100 Five 'Challenges', each based on hearing up to 100 NDBs

25 Dec 2007- 2 Jan 2008, midday - midday

COMBINED RESULTS EUROPE

For overall statistics, please see the covering email.

Reporters:

CZE	fr	Frantisek Müller, Praha
CZE	ze	Zdenek Elias, Jablonec nad Nisou, N. Bohemia
DEU	mz	Matthias Zwoch, Arnsdorf, Nr.Dresden
DNK	u1	Udo Deutscher, while near Fjerritslev
ENG	ag	Alan Gale, Whitworth, Lancashire
ENG	b2	Brian Keyte, at Wootton Wawen, Warwickshire
ENG	bk	Brian Keyte, Bookham, Surrey
ENG	ds	David Atkins, Abbots Langley
ENG	py	Peter Conway, Hastings
ENG	tm	Tony Moore, Nr.Redcar, Cleveland
FIN	jt	Jarno Fält, Tampere
FIN	ks	Kari Syrjänen, Aitomaki, Near Kouvola
FIN	rl	Reijo Liljedahl, Hameenlinna
FIN	ro	Raimo Karjalainen, Laukaa, near Jyväskylä
FRA	jj	Jean Jacquemin, Bethune, Merville, Nr Lille
FRA	vl	Vincent Lecler, Near Poitiers
HOL	ft	Frank Thijs, Hoeven
HOL	rb	Roelof Bakker, Zeeland, SW Netherlands
SAR	gc	Giorgio Casu, San Gavino Monreale
SWE	bn	Bo Nensen, Hanabäckliden, Örnsköldsvik
SWE	cw	Chris Wennstrom, Ljugarn, Gotland Is.

Beginners Challenge: Log any 100 NDBs.

Midday Challenge: Log any 100 NDBs within 2 hours of local midday.

Midday 100kHz Challenge: As 'Midday Challenge', but only **one NDB** from each kHz of your chosen 100 kHz range.

DX Challenge: Log any 100 DX NDBs - as DX as you can.

DX 100kHz Challenge: As 'DX Challenge', but only **one NDB** from each kHz of your chosen 100 kHz range.

No NDB to be in more than one Challenge, even if logged twice or more.
For the two 100kHz Challenges, 321.5 kHz would count as 321 kHz, etc.

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)

AUT	315	TF	Wiener Trausdorf	10		11													
AUT	327	LNZ	Linz	10		12	11											22	
AUT	356	SU	Salzburg	11		11													
AUT	358	TUN	Tulln for Schwechat	11		12												22	
AUT	374	KFT	Klagenfurt	12		10													
AUT	382	SBG	Salzburg	9	0	12		1						18					
AUT	408	BRK	Wien Bruck	10	1	12		2		5	0		8				3	9	
AUT	410	SI	Salzburg	0	1													22	19
AUT	413	KTI	Innsbruck Kuhtai	10	2			3						8	3				
AUT	418	ZW	Zeltweg	10															
AUT	420	INN	Innsbruck	0	2	12											3		
AUT	426	GBG	Gleichenberg	11				4			0						6		19
AZE	515	BU	Baku / Bina															22	
AZR	270	FLO	Flores											2	23			23	
AZR	323	SMA	Santa Maria					3							22			21	22
AZR	331	SC	Flores												0				
AZR	341	GP	Lajes											7	22				
AZR	351	PD	Ponta Delgada												22				
AZR	360	HT	Horta					1			0				22			21	
AZR	380	FIL	Horta Faial					2			23			7	23			22	
AZR	428	GC	Graciosa								23				0			23	
BAL	344	MN	Minorca			0				0					20				20
BAL	351	CST	Costix Majorca					6							18				20
BAL	384	ADX	Andraitx Majorca					2			0								
BAL	394	IZA	Ibiza					0											
BEL	290	ONL	Liege Bierset							10							9		
BEL	293	OB	Brussels National						12	10	10								
BEL	309	WW	Antwerpen						12	10							9		
BEL	314	OZ	Brussels National							10	5				10			11	14
BEL	323	ONC	Charleroi			0		1		10	19				10		9		
BEL	348.5	LG	Liege Bierset	21	23					11					11		12		
BEL	352.5	DD	Oostende	21	23			17	10	11	0		0		11				
BEL	355	ONW	Antwerpen												12				
BEL	360.5	MAK	Mackel for Brussels		23				12	11	12		21		12	10	12		

BEL	365.5	BC	Brasschaat						11								12			
BEL	371	OKT	Kortrijk					10	11	12							12		9	
BEL	375	OO	Oostende					12	11	12							12		9	
BEL	386.5	SLV	Spa La Sauveniere		0														10	
BEL	399.5	ONO	Oostende	23	1	0		11	12	13							9		11	
BEL	402	OP	Brussels National														12			
BEL	431	ONT	Kleine Brogel						12	12									11	
BIH	355	MA	Mostar																	21
BIH	357.5	KG	Sarajevo		23															22
BIH	370	GAC	Gacko	22						1										
BIH	425	DNC	Mostar														17			
BLR	355	KI	Ivenets			22														
BLR	355	KN	Ivenets										8	8						
BLR	452	GP	Grodno																	5
BLR	452	WF	Grodno / Obukhovo																	5
BRA	220	TUI	Tucuruí														1			
BRA	260	FLZ	Fortaleza														2			
BRA	275	MSS	Mossoro														0			
BRA	280	SLI	San Luis														0			
BRA	350	STM	Santarem																	23
BRA	360	JAC	Jacare a Canga														0			
BRA	365	CVL	Caravelas														0			
BRA	410	PEL	Pelada (Manaus)														2			
BRI	316	BJO	Bjornoya Is.																	18
BUL	284	GRN	Gorna Oryahovista														2	17		21
BUL	312	BOZ	Bozhouriste							5								17		22
BUL	321	BU	Burgas		2	0														16
BUL	350	DWN	Devnya for Varna	21		0														16
BUL	356	BGS	Burgas														1	20		21
BUL	397	WN	Varna		1															22
BUL	415	RUS	Russe			22											20			23
BUL	450	PDV	Plovdiv															1		22
BUL	490	WAK	Vakarel														18	18		22
CAN	220	BX	Blanc Sablon, QC														2	0		23

CAN	245	CB	Cambridge Bay, NU															15	
CAN	263	QY	Sydney, NS					1							22			23	
CAN	276	YHR	Chevery, QC					2							21			23	
CAN	280	QX	Gander, NL					1						2	23			23	
CAN	281	CA	Cartwright, NL					1						2	1			23	
CAN	305	LT	Alert, NU					1										0	15
CAN	305	YQ	Churchill, MB															7	
CAN	323	UWP	Argentia, NL					1							1			4	
CAN	326	FC	Fredericton, NB					3											
CAN	340	YY	Mont Joli, QC					1							1			0	
CAN	350	DF	Deer Lake, NL					1		0	23			3	22			23	
CAN	356	AY	St. Anthony, NL					1						4	22	4		23	
CAN	358	YKG	Kangiqsujuag, QC															8	
CAN	360	PN	Port Menier Anticosti I.					2							7				
CAN	364	2B	Springdale, NL					1										23	
CAN	370	GR	Grindstone, QC					5											
CAN	378	HO	Hopedale, NL					2										7	
CAN	378	UX	Hall Beach, NU															7	
CAN	385	NA	Natashquan, QC					23							7			7	
CAN	390	JT	Stephenville, NL					0						2	0			4	
CAN	392	ML	Charlevoix, QC					0							1			4	
CAN	396	JC	Rigolet, NL					0						2	0			23	
CAN	520	F9	Miramichi Chatham, NB					3											
CNR	283.5	NA	Punta Lantaila												19			22	
CNR	310	LZ	Lanzarote												1				
CNR	365	VR	Gran Canaria							4					22			23	
CNR	376	HIE	Hierro					23							23			22	
CNR	389	BX	La Palma												22			23	
CNR	410	TX	Tenerife Norte												1				
COR	325	FA	Figari																9
COR	341	IS	Ajaccio Campo del Oro																19
COR	349.5	SZA	Solenzara	21	23	0					23								20
COR	387	CT	Ajaccio																9
CPV	274	SAL	Sal					1						2	21			23	

DEU	311	LMA	Lima					10	5							9			
DEU	311	NSN	Niederstetten	9															
DEU	315	PAH	Schwerin Parchim	10		12													
DEU	318	AGB	Augsburg	10		12													
DEU	318	HIG	Bremen															5	11
DEU	320	HA	Hannover East	10		12										9		11	
DEU	321	GL	Berlin Tegel East	10		12												22	
DEU	323	GT	Hamburg North	10			11												
DEU	325	DP	Diepholtz		22	12													
DEU	327	DIP	Berlin Planter	10	22	12													
DEU	327	LV	Kohn Bonn										10		11				
DEU	330	ABU	Altenburg Nobitz	10		12													
DEU	333	PI	Schwerin Parchim				12												
DEU	334	HDM	Coleman						23										
DEU	338	MNW	Munchen	11	22	12													
DEU	339	HOS	Hamburg		22														
DEU	340	ZIG	Leipzig	11		12													
DEU	343	SBN	Saarbrucken				12	17		23								11	
DEU	344	HN	Hohn					17	10										
DEU	345	IGL	Ingolstadt		22														
DEU	347	DBR	Berlin Templehof	11		12		17							5				
DEU	349	KSL	Kassel Calden			12		5											
DEU	350.5	FU	Hamburg West					17											
DEU	352	LAA	Niederrhein												12				
DEU	353	KIL	Kiel Holtenau	21	23		11	17	11		21				3		12		
DEU	354	PAD	Paderborn Lippstadt			12									12				
DEU	355	DRW	Cottbus Drewitz	11		12													
DEU	355	KNG	Bad Konig for Frankfurt			12													
DEU	357	DWI	Dortmund Wickede												17				
DEU	357	NRG	Neubrandenburg			10												21	
DEU	357	SKZ	Leipzig Halle			12													
DEU	358	HW	Hannover West			12		18					12			10			
DEU	358	MSE	Munchen	11		12									3				
DEU	360	SR	Saarbrucken										12			10	0		

DEU	473	FHA	Freidrichshafen															22	18
DEU	484	HOF	Hof	12		12													
DEU	488	ILM	Illesheim	12		12													18
DEU	490	DVI	Donaueschingen			12													
DMA	273	DOM	Melville Hall													1			
DNK	321	SP	Vojens Skrydstrup	10			11	16	10	11	12						9	11	15
DNK	324	ML	Aarhus Tirstrup				11											11	
DNK	328	VJ	Stauning				11												
DNK	330	SB	Sonderborg				12											11	
DNK	334	FAU	Fauna Ronne Bornhol				12												11
DNK	339	SD	Sindal				11												
DNK	341	LO	Billund				11		10										
DNK	346	AU	Stauning				11											11	
DNK	351	KP	Karup				11											12	
DNK	357	KD	Kolding Vamdrup				12											10	
DNK	368	RK	Copenhagen Roskilde		0													11	
DNK	369	KA	Karup				11												
DNK	374	TU	Tirstrup		0		11											11	
DNK	376	HP	Esbjerg				12		12									12	
DNK	395	GE	Billund	23			12											12	
DNK	398	GL	Aalborg				11	1											
DNK	400.5	EJ	Esbjerg					1										12	
DNK	423	FE	Odense					4											20
DOM	450	PPA	Puerto Plata												1		0		
EGY	340	OCT	October/6th October Ci															20	
ENG	277	CHT	Chiltern					15	12	10	10						9		
ENG	282	LA	Lyneham					16	12		10						9		
ENG	316	EPM	Epsom					16	10	10	18				10		9		
ENG	322	LCY	London City						10	10	11						9		
ENG	323	SBL	Sherburn in Elmet						10	10	11						9		
ENG	325	OF	Filton						10	10	11				12		11	11	
ENG	327	TNL	Tatenhill						10	10	11							11	
ENG	328	BLK	Blackbushe					3	10	10	11						11		
ENG	328	CL	Carlisle					16		10							11	11	

FIN	290	TP	Oulu																	21		11			
FIN	296	JYV	Jyvaskyla																			11			
FIN	305	S	Mariehamn																			11	11		
FIN	306	L	Jyvaskyla																			11			
FIN	310	C	Oulu									8	8		8										
FIN	310	KUR	Kuopio								8	8									21	11			
FIN	310	U	Kauhava																			12			
FIN	315	D	Tampere								8	8													
FIN	315	Q	Kajaani										8	8							21	11			
FIN	318	B	Pori								8	8	8	8		23						11			
FIN	319	G	Halli Laajakallio								8	8	8	8								11			
FIN	322	KOR	Helsinki Malmi Korso		22	0		3			8	8	8										11		
FIN	324	AS	Kemi Tornio								5						5					21	11		
FIN	325	JOE	Joensuu					3				9	8								21	11			
FIN	326	SUI	Tampere Pirkkala Suir									8	8												
FIN	333	G	Kemi Tornio		20							8	8			23						21	11		
FIN	334	S	Kuopio									8										11			
FIN	336	M	Mikkeli									8	8									11			
FIN	337	KAJ	Kajaani									8	8			5					21	11	21		
FIN	339	V	Kokkola Kruunupyy									9	9									11			
FIN	340	KAI	Utti Kaipi			0						8	8				0					11			
FIN	340	KS	Kuusamo										8	9								11			
FIN	340	O	Oulu									8					5					11			
FIN	341	POR	Pori		22	0		4			23				21	8	8			8	4		5	11	11
FIN	344	HEK	Helsinki Heka		20			5					8	8						8	19	18	16	12	11
FIN	344	L	Kittila											8											
FIN	345	SUS	Kauhava Susi		20	0		5					8	8						9	5			11	
FIN	346	MI	Mikkeli			0							8	8								21	11	11	
FIN	350	LAA	Oulu Laanila					12	5				8	8	8					10	19			12	11
FIN	351	SAV	Savonlinna										8	8									11		
FIN	352	PSJ	Seinajoki										8	8									11		
FIN	354	G	Ivalo			0		12														11		12	
FIN	355	J	Varkaus Joroinen		21								8	8									12	12	
FIN	357	SEP	Vaasa Seppi					6				1			21	8	8	8		9	4			11	12

FIN	360	U	Utti								8	8		10						11	12		
FIN	361	LIE	Turku Lieto		23		12				8	8		9							12		
FIN	361	RO	Kauhava	21		23					8	8	8							11	12		
FIN	365	VS	Tampere Vesilahti		23					21	8	8	8	10	3		17			11	12		
FIN	368	SK	Sodankyla						0			8			5						12		
FIN	370	JR	Varkaus Joroinen					6			8	8							22		12		
FIN	371.5	U	Helsinki Vantaa								8	8		9						11	12		
FIN	373	KEM	Kemi Tornio	22	0	21	12	2		2	0	21	8	8	8	10	5		12		11	12	
FIN	374	S	Mikkeli									8	9	10							11	12	
FIN	375	FR	Pori					6			8	8			5					11	12		
FIN	375	HET	Enontekio Hetta																18				
FIN	377	B	Kuopio								9												
FIN	377	PA	Rovaniemi	22		22		23						21	9	6			23		11		
FIN	380	PHS	Pyhasalmi			0					23	8	8	8	10				18		11		
FIN	381	ESP	Helsinki Espoo					23			23	22	8	8	8	10	6					11	
FIN	382	IJ	Seinajoki				12					8	9	10							11		
FIN	385	KV	Halli	22		0	12	23			0	22	8	8	9	10	5				11		
FIN	387	JL	Kuopio	22		0				0		8	8	9	10				22		11		
FIN	388	KRU	Kokkola Kruunupyy	23		0				0		22	8	8		10	5				11		
FIN	392	GDY	Mariehamn Godby	23	1	23	12	0				22	8	8	9	10	5	19			11	11	
FIN	392	RAN	Lappeenranta									22		8			5			23			
FIN	394	JOK	Kauhajoki	23		0		3			23	22	8	8	9	10			6			12	
FIN	396	HYV	Hyvinkaa			21					23		8	8	9	10	2				11	12	
FIN	398	ESS	Kokkola Esse					3					8	9	11						11		
FIN	399	O	Rovaniemi												9						11		
FIN	400	KO	Utti	23			12	1			23		8	8		11					11	12	
FIN	401	JP	Joensuu	23		23	12				23		8	8	9	11				22		11	20
FIN	403	H	Helsinki Vantaa										8	8		10					11	12	
FIN	404	JAN	Halli Janne			22							8	8									
FIN	404	Y	Kemi Tornio										8				5			22		11	19
FIN	406	V	Ivalo												11								
FIN	408	F	Helsinki										8		10								
FIN	408	W	Utti										8	10							11		
FIN	409	Z	Pyhasalmi										8	8	9	11					11		

FIN	411	M	Kokkola Kruunupyy	0	1	22	12	21				22						9			20
FIN	412	I	Halli				12														
FIN	416	TOR	Rovaniemi Toramo					21							5			21			20
FIN	419	HY	Vaasa	0				4			0				5						
FIN	432	AKU	Ivalo												19			17			20
FRA	286.5	TA	Villacoublay						12	10	10					9					
FRA	288.5	AVD	Avord							10						9					
FRA	301	RTN	Romorantin													9			22		
FRA	302	ROM	Rodez Marcillac													9					
FRA	302	TH	Villacoublay							10	10										
FRA	306.5	AV	Avord							10	10					9					
FRA	315	HOL	Villacoublay						10	10	18					10	9		11		
FRA	315	MIL	Millau Larzac																22		
FRA	317	MM	Montceau les Mines													9		12			
FRA	317	VS	Valenciennes						10	10	18					10	9	9			
FRA	318	BE	Bordeaux Merignac							10						9					
FRA	320	LSU	Limoges Bellegarde													9			18		
FRA	320	TY	Troyes Barberey						12	10	10					10	9				
FRA	321	ABY	Albert Bray						12	10	19					10		9			
FRA	321	TL	Tarbes Lourdes													9			22		
FRA	322	ORS	Orleans							10	19					10			11		
FRA	322	RL	La Rochelle													9					
FRA	322	TLN	Hyeres Le Palyvestre																22		
FRA	323	AB	Albi													9					
FRA	324	MOU	Moulins							10						9					
FRA	326	LM	Le Mans							10	11					10	9				
FRA	327	MVC	Merville Calonne						10	10	11						9	11			
FRA	329	NS	Niort Souche							10							9				
FRA	330	MB	Montbéliard													9					
FRA	331	TUR	Tours							10	23					11	9				
FRA	331.5	TLF	Toulouse Francazal		2	23										9			23		
FRA	332	LL	Lille Lesquin	20	22			11	15	12	10	11		0				11			23
FRA	334	BGW	Paris Le Bourget							10	11					11	9	11			
FRA	334	YN	La Roche sur Yon													9					

FRA	335	MC	Montlucon Domerat												11	9								
FRA	338	GU	Brest Guipavas						10															
FRA	339	GI	Amiens Glisy						10															
FRA	341	AMB	Amboise				4	10	10	11						11	9							
FRA	341	BZ	Biarritz														9							
FRA	342	VA	Vannes					10	10								9							
FRA	343	AR	Aurillac														9							
FRA	343	CGO	Paris CdG			23	4	12	10	11						11	9	12						
FRA	345	CS	Carcassonne														9							
FRA	345	LN	Lannion					10																
FRA	346	LHO	Le Havre					10	11	11						11	9	12						
FRA	346	OC	Cognac Chateauberna														9					23		
FRA	347	CVT	Chalons Vatry				17		10							11	9					23		
FRA	348	CL	Cahors Lalbenque							0							9							
FRA	348	SCL	Apt St Christol																			22		
FRA	349	OYE	Paris Orly					10	11	12						11	9							
FRA	349	RS	Rennes St Jacques					10	11	12							9							
FRA	350	MUT	Muret				17										9							
FRA	351	DSA	Dieppe St Aubin					10	11	12						12	9	12						
FRA	353	SB	St.Brieuc Armor					10	11	12						12	9			12				
FRA	354	CGC	Cognac				18		11	0						12	9			12	21			
FRA	354	MTZ	Metz Nancy						11	12														
FRA	356	CVU	Castres														9							
FRA	356	RSY	Paris CdG				18		11	12						12	9							
FRA	357	LP	Cholet Le Pontreau						11	12							9							
FRA	358	BRS	Biscarrosse Parentis														9							
FRA	358	LT	Le Touquet					12		12						12		12						
FRA	359	LOR	Lorient			0		10	11	0		0					9				10			
FRA	359.5	CDN	Chateaudun		23		5	10	11			21				12	9					0		
FRA	361	NB	Bordeaux Merignac														9							
FRA	363	PI	Poitiers Biard					10	11	1						12	9	12				23		
FRA	363.5	LXI	Luxeuil St Sauveur		23												19							
FRA	364	PU	Pau Pyrenees														9							
FRA	364	RSO	Paris CdG					11	11	12						12	9					11		

FRA	367	CF	Clermont Ferrand														9							
FRA	367	VAT	Chalons Vatry					11	11	12						12								
FRA	368	TLB	Toulouse Blagnac														10							
FRA	369	GL	Nantes														10							
FRA	370	CGZ	Paris CdG				21		11							12	10							
FRA	371	MLX	Morlaix					11	11								10							
FRA	372	CSM	Castelsarrasin Moissac														10							
FRA	372	SR	Saumur					11	11							12	10							
FRA	373	LCT	Le Cannet Le Luc																		22			
FRA	373	MP	Cherbourg Maupertus					11	11	12						12	10							
FRA	374	BGC	Bergerac Roumaniere														10						23	
FRA	375	BRG	Bourges														10							
FRA	376	BS	Bale Mulhouse	22																				
FRA	377	PNT	Pontivy					11	12	2							10							
FRA	378	LU	Le Luc																			9		
FRA	379	CZ	Charleville Mezieres				5		12	12						12			9					
FRA	379	EB	St.Etienne Bouthéon														10							
FRA	382	CAA	Cazaux														10							
FRA	384	PMR	Pamiers Les Pujols				23										10					9		
FRA	385	CSC	Cannes																		9			
FRA	385	OAN	Orleans					11	12	13						13	10							
FRA	387	BGP	Brest Guipavas				2		11	12														
FRA	387	ING	St. Inglevvert					11	12	3						9								
FRA	387	RZ	Rodez Marcillac														10							
FRA	388	BR	Lyon Bron														10							
FRA	388	LOU	Metz Louvigny					11	12	3						9			10					
FRA	389	PX	Perigueux														10							
FRA	390	DR	Dinard				17	11	12	3						9	10	10						
FRA	390.5	ITR	Istres Le Tube	23	0		0																	
FRA	391	BV	Beauvais					11	12	3						9								
FRA	391	CC	Chalon Champforgeuil														10							
FRA	392	AS	Angers					11	12	3						9	10					12		
FRA	393	BD	Bordeaux Merignac				5			3							10							
FRA	394	NV	Nevers Fourchambault					11	12	4						9	10							

FRA	395	FC	Figeac Livernon				0									10										
FRA	395	GSG	Gourin						12																	
FRA	396	ROC	Rochefort													10										
FRA	397	BLB	Blois Le Breuil						12							10										
FRA	397	ZR	Beziers Vias				0				4															
FRA	398	LPD	Montlucon Gueret												12	10			12							
FRA	398	MT	St. Nazaire Montoir					11	12	13						10								23		
FRA	400	AG	Agen La Garenne				1									10								23		
FRA	400	MO	Macon													10										
FRA	401	LA	Laval Entrammes				2	11	12	4					12	10			12							12
FRA	402	DA	Ales Deaux													10										
FRA	402	ORW	Paris Orly				2	11	12	4						10								23		
FRA	403	VZ	Vichy Charmeil						12							10										
FRA	404	AGO	Angoulême													10										
FRA	404	CNE	Caen/Carpiquet				2	11	12	13						10	3		9							
FRA	404	MRV	Merville Calonne					11	12	13					12											
FRA	405	LYS	Lyon St Exupery													10										
FRA	406	MJ	Marseille																					22		
FRA	406	TW	Toulouse													10										
FRA	410	ETN	Etain Rouvres				3		12						11				9							
FRA	412	SE	Strasbourg Entzheim																						9	
FRA	415	TOE	Toulouse													10										
FRA	416	ULT	Ussel Thalamy													10										
FRA	417	AX	Auxerre Branches						12							11	10									
FRA	418	MK	Calais Dunkerque					12	12	11						11	10	11								
FRA	419	EMT	Epinal Mirecourt													11	18									
FRA	420	LMT	Auch													10										
FRA	423	TS	Toulouse													10								9		
FRA	424	LOE	Limoges													10										
FRA	426	CTS	Castets													10										
FRA	427	RY	Royan						12																	
FRA	428	BST	Brest Lanveoc				4	12	12																	
FRA	434	MV	Melun Villaroche					12	12																	
FRO	337	MY	Myggenaes	22	21	12	4		10	23		21						2	11							

FRO	348	VG	Vagar				17															
FRO	381	AB	Akraberg Sydero	22	0	0	23	11	11	2	23	22						22	1	12		15
GRC	345	THS	Salonika Makedonia																		20	
GRC	351	ALP	Alexandroupolis																		20	
GRC	382	EGN	Athens Aegina Is.			0																
GRL	372	OZN	Prins Christian Sund			23	21			2	23						5	21	1	9	22	4
GRL	382	SF	Sondre Kangerlussuaq																			19
GRL	386	CP	Constable Pynt							3												
GSY	361	GUY	Guernsey				6	10	11	1						12	10	13	10			
GSY	383	ALD	Alderney			0	23	11	12	13						12	10	10				
HNG	306	TPS	Tapiosap	9																	21	
HNG	335	BL	Budapest Ferihegy	10																		
HNG	348	SVR	Sagvar									22									23	
HNG	354	GYR	Gyor	11	23																	
HNG	374	BKS	Bekes				21															
HNG	386	PTB	Pusztaszabolcs									0										
HNG	395	BR	Budapest Ferihegy		1	0																
HNG	400	BC	Bekescsaba														0					
HNG	409	NCS	Nagy Cserkesz		1		21					0				1			9			
HNG	517	JBR	Jaszbereny																		23	21
HOL	315	STK	Stadskanaal						10									9				
HOL	326	LLS	Lelystad						10	11								11				
HOL	330	SO	Eelde Groningen						10							11		11				
HOL	332	NV	Amsterdam Schiphol						10							11		11				
HOL	335.5	TWN	Twenthe		22				10							11		11				
HOL	339	ZL	Maastricht Zuid Limbu													11		12				
HOL	342	GG	Groningen Eelde				17		10							12		12	11			
HOL	350.5	ROT	Rotterdam	21	23			10	11							12		12				
HOL	357	VZ	Eelde Groningen						11							12		12				
HOL	369	PS	Rotterdam Locator						11							12		9				
HOL	373	NW	Maastricht Beek				5									12		9				
HOL	376	WP	Amsterdam Weesp						11							12		9				
HOL	383.5	GUL	Gulpen				3	11	12	3						12		10				
HOL	386	STD	Stad Haringvliet					11	12							9		10				

HOL	388.5	CH	Amsterdam Schiphol				0	11	12								10			
HOL	391	TGE	Teuge	23			12	0									10			
HOL	395	OA	Amsterdam Schiphol						12							12		11		
HOL	397	EHN	Eindhoven				3		12							12		11		
HOL	404.5	RR	Rotterdam Haastrecht					12	12	13						12		11		
HOL	434	THN	Thorn														11		5	
HRV	318	KLP	Dubrovnik Kolocep													23				
HRV	330	ZRA	Zadar Kakman														19		22	
HRV	350	SK	Zagreb Kraljevec														18		20	
HRV	351.5	PLA	Pula	21	23														20	
HRV	367	ZAG	Zagreb	22	23			5										17	9	
HRV	369	VRS	Vrsar	22				5		1	20							18		
HRV	378	TRI	Split Trogir	22														18		
HRV	385	BO	Zadar Bokanjac																	23
HRV	397	CV	Dubrovnik Cavtat																23	
HRV	400	BRZ	Rijeka Krk Breza	9				3										18		
HRV	420	GS	Pula															17		
HRV	422	OSJ	Osijek															17		
HRV	424	PIS	Zagreb Pizarovina	0				4											3	20
HRV	429	LOS	Losinj	0				4										20		20
HRV	433	CRE	Cres					22												21
HRV	438	KO	Krk Kozala																	17
IOM	359	RWY	Ronaldsway						12	11	12									
IOM	366.5	CAR	Carnane	21				21	10	11								18	9	
IRL	316	OE	Dublin						10	10									12	
IRL	321	CRN	Galway Carnmore					3												
IRL	326	RSH	Dublin Rush					16		10	22		12							
IRL	330	NSM	Inishmaan Aran Is.					16												
IRL	334	GMN	Gormanston					15	12	10			12						4	11
IRL	352	ENS	Ennis					6												
IRL	361	CFN	Carrickfinn Donegal					18												
IRL	364	KNK	Connaught Knock					20			1									
IRL	368	WTD	Waterford						11	11										
IRL	378	KLY	Killiney for Dublin					23	11	12			22						1	

ITA	413	BOA	Bologna	0		0	3											10			
ITA	420	ABN	Albenga																9		
ITA	421	FN	Roma Fiumicino											17							
ITA	423	FOR	Forli				4							17							19
ITA	427	FER	Ferrara				4							17							22
ITA	440	PIA	Piacenza																		18
ITA	480	VIB	Viterbo																		20
JMY	362	JAN	Jan Mayen				20							3				15			
JSY	329	JW	Jersey					10	11					10	9	11		11			
KAL	312.5	BT	Mys Taran																		11
KAL	410	K	Kaliningrad				12	21													12
KAL	840	KR	Kaliningrad											14							
KAZ	486	KZ	Kzyl Orda																		20
KAZ	512	NA	Kostanay Narimanovka															19			
LBY	317	KFR	Kufra																		23
LBY	327	NC8	Hamada NC-8			0								0							
LBY	330	OA	Samah																		19
LBY	360	LOR	Dahra Warehouse 32											22							
LBY	362	BN	Benghazi Benina																		0
LBY	363	ZEL	Zelten																		0
LBY	365	G	Tripoli											22							
LBY	365	XS	Beda No.1																		22
LBY	390	PE	Tripoli											22							
LBY	407	SRT	Sirte	23		22	2			0				17	17			17			
LBY	435	D	Tripoli												18						18
LBY	435	GHT	Ghat				1							18							21
LTU	343	KUS	Kaunas Karmelava	20	22						8	8		4							11
LTU	385	AVN	Vilnius		0																11
LTU	407	PN	Palanga				2			0											12
LUX	307	DIK	Diekirch					12	10									9			22
LUX	318	LE	Luxembourg				5		10	18				10	9	9					
LUX	346	WLU	Luxembourg		23			10	10	0				11	18	12					23
LUX	368.5	ELU	Luxembourg	22	21				11			21			18	1					
MDR	338	PST	Porto Santo				4			23				23	19	4		21			

MKD	432	IZD	Ohrid Izdegavlje												1					18
MLT	395	MLT	Malta												21		23			
MNE	308	MOJ	Mojkovac																22	
MNE	312	DAN	Danilovgrad Podgorica												20				22	
MNE	345	TAZ	Tivat												1				20	
MRC	282	NSR	Casablanca											2	23		0			
MRC	332	SBI	Rabat				4										21			
MRC	355	ARW	Brahimat Nador									23							0	
MRC	380	CNL	Kenitra				2					23								
MRC	396	ALS	Agadir Al Massira									23								
MRC	401	ALU	Al Hoceima Cherif Al I									23								
NGR	293	ARL	Arlit																22	
NIR	328.5	EGT	Londonderry Eglinton				16													
NIR	420	HB	Belfast City				4	12												
NOR	267	FNO	Haugesund Foyno					12	10											
NOR	275	KB	Kristiansund Kvember																12	
NOR	275	VG	Haugesund Vage					12	10										23	
NOR	283	SF	Torp Sandefjord												6					
NOR	299.5	KN	Svolvaer Skrova											2	6		21			
NOR	316	BGU	Oslo Bergerud										8						12	
NOR	317	HG	Trondheim Hegra				3						8	9					11	
NOR	317	STT	Bodo Stott												2					
NOR	319	VAR	Stavanger Varhaug			0		10	10	18		9			12		11			
NOR	329	NMS	Namsos							23		9	8							
NOR	334	OPA	Oslo Oppaker				4					8	8							
NOR	335	LR	Mosjoen Laksfors																11	
NOR	336	BTA	Bergen Bratta		22	0	4				0				7					
NOR	336	RS	Roros ++ FL				4						8							
NOR	338	SA	Bardufoss Sorreisa														10			
NOR	339	LS	Forde Langeneset				4													
NOR	342	LL	Leirin Fagernes	20	22		4			23	21	9	8	8					11	
NOR	345	BN	Kristiansand Birkeland				11						8					11		
NOR	345	STM	Strommen Mo I Rana							0					5					21
NOR	347	MSK	Oslo Morskogen	20	23	0	11	4			11	8	8	8	11				12	

SWE	384	TY	Torsby Fryklanda										9					12	
SWE	388	COR	Stockholm Bromma Co	21		12	23			0	1	8	8	9			1		11
SWE	390	LV	Arvika	23		12					22								
SWE	390	PAJ	Pajala											9	11				11
SWE	390	SS	Skovde	0															
SWE	394	NB	Stockholm Bromma						23	1		8						11	11
SWE	397	LM	Borlange											9	8				11
SWE	397	NF	Falkoping	23		12				22	8	8							
SWE	398	PEO	Stockholm Skavsta	23			0				8								12
SWE	399	FM	Trollhattan Vanersborg	23		12	1							9					
SWE	400	EN	Orebro	1			3							8					
SWE	402	LX	Eskilstuna Kjula	1									8	9				12	12
SWE	403	NM	Mora Siljan										8	10					
SWE	403	OJ	Jonkoping		22	12	21										3		
SWE	404	LA	Stockholm Arlanda											10					12
SWE	405	AV	Goteborg Save	23		11	2			22				8		17	10	11	
SWE	406	NV	Vilhelmina								8			9					11
SWE	407	KA	Karlskoga				4						8	9	11				11
SWE	409	SG	Satenas	23	22	11	2		5	0	22						3		
SWE	415	OL	Linkoping Saab	2		12	21												12
SWE	416	BCS	Bacchus	0	0														
SWE	416	R	Arvika			12													
SWE	417	AH	Angelholm Barkakra	0	2	11	4	12			1						3		
SWE	417	R	Gavle Sandviken																12
SWE	419	RD	Vasteras Hasslo		2						1								12
SWE	420	SS	Malmo Sturup																11
SWE	421	BL	Borlange							0									12
SWE	421	MF	Halmstad	10															
SWE	421	T	Linkoping Saab							0									
SWE	421	TRU	Trundon Lulea	0															
SWE	425	OU	Umea	0												6			20
SWE	427	LUE	Kramfors Lunde																18
SYR	372.5	KTN	Kariatain						20							0	21		
TUN	275	MS	Monastir Msaken													2			

XOE	358	WC	Liset L2 NAM		23		12		10	11	12		21					15	12					
XOE	369	RFB	Rough Br.Gas						11	11										11				
XOE	371	NQ	Penman NAM							11														
XOE	375	TR	Philips Tor E				12		11	11			21											
XOE	380	ULA	Ula				11															12		
XOE	386	BDL	Brent Shell/Esso					2																
XOE	389.5	TSA	Leman						10	12									10					
XOE	402	KB	Placid					5		12														
XOE	403.5	LNL	Lancelot A						11													12		
XOE	419	RA	Tyra East A				11		12	12														
XOE	420	LGS	Conoco Loggs						12	12							11		11					
XOE	426	HWQ	Arpet/Hewett Alpha					4	12	12	11								11					
XOE	615	OM	Gorm platform						12	12	12											14		
XOE	615	STB	Statfjord B platform																			0		
XUE	332	TST	(UNID)																			23		
XUE	340	OKB	(UNID)																			19		
XUE	380	M	(UNID)																				11	
XUE	385	NJ	(UNID)					3																
XUE	410	AUD	(UNID)																				23	
XUE	417	EES	(UNID)																			18		
XUE	441	LT	(UNID)																				12	
XUE	444	NRD	(UNID) Nova Ruda,PO	11																			15	
XUE	480	L	(UNID)																				15	
XUE	521	VIT	(UNID)																				16	
XUU	275	O	(UNID) LBY?																				22	
XUU	300	OEB	(UNID)																				22	
Cou	kHz	Call	Location	CZE fr	CZE ze	DEU mz	DNK u1	ENG ag	ENG b2	ENG bk	ENG ds	ENG py	ENG tm	FIN jt	FIN ks	FIN rl	FIN ro	FRA jj	FRA vl	HOL ft	HOL rb	SAR gc	SWE bn	SWE cw

COUNTRIES HEARD:

This table shows the number of NDBs logged from each radio country by each reporter (all Challenges).

Cou	Country	CZE fr	CZE ze	DEU mz	DNK u1	ENG ag	ENG b2	ENG bk	ENG ds	ENG py	ENG tm	FIN jt	FIN ks	FIN rl	FIN ro	FRA jj	FRA vl	HOL ft	HOL rb	SAR gc	SWE bn	SWE cw
AFG	Afghanistan																1					
ALB	Albania	1		1												1	1					1
ALG	Algeria	1		3		1			1	5						5	4		2	6		
ASC	Ascension Is.									1							1		1			
ATG	Antigua and Barbuda									1							1		1			
AUT	Austria	16	5	11	1	4			2	2		1					2	4	1	3	1	2
AZE	Azerbaijan																		1			
AZR	Azores					3				3						3	8		5	1		
BAL	Balearic Is.			1		3			1	1							2			2		
BEL	Belgium	3	5	2		2	7	13	9		2					10	1	11	1			1
BIH	Bosnia-Herzegovina	1	1						1	1							1			2		
BLR	Belarus			1						1			1	1							2	
BRA	Brazil									1							7					
BRI	Bear Is.(Bjornoya)																		1		1	
BUL	Bulgaria	1	2	3					1							4	5		6	4		2
CAN	MB																		1			
CAN	NB					2																
CAN	NL					9			1	1						5	7	1	9			
CAN	NS					1											1		1			
CAN	NU					1													2		2	
CAN	QC					7										2	6		6			
CNR	Canary Is.					1				1							6		4			
COR	Corsica	1	1	1						1										4		
CPV	Cape Verde Is.					1										1	1		1			
CYM	Cayman Is.																		1			
CZE	Czech Rep.	25	1	17		2												2		3	1	8
DEU	Germany	39	13	42	6	23	3	9	7		2					5	3	21	8	2	8	4
DMA	Dominica																1					
DNK	Denmark	2	2		15	4		3	1		1							1	11			3
DOM	Dominican Rep.																1		1			
EGY	Egypt																			1		

ENG	England	1		6	23	59	40	53		12				20	7	38	23			
ESP	Spain	3	1	1	23			14	17	1				4	19	3	1	10		
EST	Estonia	2	1	2	2	5			1	1	4	4	1	3	5		1		1	7
FIN	Finland	16	11	19	11	20		4	14	14	49	49	25	40	26	2	4	21	50	30
FRA	France	3	5	3	1	23	42	65	49		3				42	98	15	14	21	1
FRO	Faroe Is.	1	2	2	1	3	1	2	2	1	2					1	2	2		1
GRC	Greece			1															2	
GRL	Greenland			1		1			2	1				1	1	1	2	1	1	
GSY	Guernsey			1		2	2	2	2					2	2	2	1			
HNG	Hungary	3	3	1		2				3					2		1	2	1	1
HOL	Netherlands	2	2		1	6	5	16	3					15		20	1		1	
HRV	Croatia	7	2			6			1	3				1	8	2	1	4		4
IOM	Isle of Man	1				1	2	2	1						1		1			
IRL	Ireland				1	12	7	6	3		8				5	6	2			
IRN	Iran	1		1											1		2			
ISL	Iceland					7								5	4		11		1	
ITA	Italy	18	10	9		10			1					1	19	8	2	26		3
JMY	Jan Mayen					1								1			1			
JSY	Jersey						1	1						1	1	1	1			
KAL	Kaliningrad				1	1									1					2
KAZ	Kazakhstan																1			1
LBY	Libya	1		2		2				1				1	7		3	5	1	
LTU	Lithuania	1	2			1				1	1		1				1			3
LUX	Luxembourg	1	2			1	2	4	2		1			2	3	4		2		
MDR	Madeira					1			1					1	1	1	1			
MKD	Macedonia														1					1
MLT	Malta														1		1			
MNE	Montenegro														2			3		
MRC	Morocco					2				4				1	1		2	1		
NGR	Niger																	1		
NIR	Northern Ireland					2	1													
NOR	Norway	11	11	13	17	21	3	5	15	8	20	7	5	18	11		9	1	14	1
ORK	Orkney Is.										1									
POL	Poland	10	1	11	1	4						3			1		1		4	11
POR	Portugal			1		9			3	7				5	4	3	1	2		
PTR	Puerto Rico					1				1				1	1	1	1	1		
ROU	Romania	2		3		1				2				3	2			1		2

RSE	Russia (East)																1					
RUS	Russia (Eu)			4					2		2	3	1	2				4		24	10	
SAR	Sardinia	2		2					1							3			2			
SCT	Scotland	2	2	1	5	10	5	3	4		8					4	2	7		1		
SCY	Sicily			2					1							2		1	1			
SRB	Serbia	4	1	1		1									5	5	2		1	1	5	
SUI	Switzerland	2	4						1							2			1			
SVK	Slovakia	10	4	5		1										1	1	1	1	1	7	
SVN	Slovenia	1	4							1							1		1		1	
SWE	Sweden	24	26	14	23	22		2	4	8	18	32	38	40	21	5	2	7	3		35	45
SYR	Syria									1							1					
TUN	Tunisia															1						
TUR	Turkey		1	2						1							1		2	1		
UKR	Ukraine	4	1	1						1		1					2		3	1	10	6
USA	NC																1					
WLS	Wales	1			1	3	4	5	4		3					1	1	2	3			
XOE	Offshore - Europe		2		7	4	9	12	5	2	3					2	1	5	4		2	
XUE	(UNID)	1				1														3	4	2
XUU	(UNID)																			2		
Cou	Country	CZE fr	CZE ze	DEU mz	DNK u1	ENG ag	ENG b2	ENG bk	ENG ds	ENG py	ENG tm	FIN jt	FIN ks	FIN rl	FIN ro	FRA jj	FRA vl	HOL ft	HOL rb	SAR gc	SWE bn	SWE cw

LISTENING TIMES:

This table shows the number of NDBs logged by each reporter during the time periods (all Challenges).

UTC (hh)	CZE fr	CZE ze	DEU mz	DNK u1	ENG ag	ENG b2	ENG bk	ENG ds	ENG py	ENG tm	FIN jt	FIN ks	FIN rl	FIN ro	FRA jj	FRA vl	HOL ft	HOL rb	SAR gc	SWE bn	SWE cw
00:00 - 00:59	21	24	56		24			14	42	15					4	19		6	8	1	
01:00 - 01:59		25	1		21			14		8					4	15	16				
02:00 - 02:59		18			37			11							19	2	7				
03:00 - 03:59					35			12	1						7		21				

04:00 - 04:59				44			10	1						11		9	3		2		
05:00 - 05:59				23			10							24		8			8		
06:00 - 06:59				11										5	2	2			2		
07:00 - 07:59														2	5		5				
08:00 - 08:59										84	96	60	21		1		1		1		
09:00 - 09:59	29		2							16	4	23	17	9	55	27	16	8			
10:00 - 10:59	30		3			55	72	7					25	12	49	12	11				
11:00 - 11:59	24		7	42		52	58	35		1			14	30		34	40		89	41	
12:00 - 12:59	21		74	58		45	60	39		11				48		28	34		30	48	
13:00 - 13:59					1			19						1		1			3		
14:00 - 14:59															1				6	1	
15:00 - 15:59					4										3		2		9	1	
16:00 - 16:59					10			2								3	2		3	13	
17:00 - 17:59					22									1	23	5	3			2	
18:00 - 18:59					7			5						5	33		6	3		20	
19:00 - 19:59					1			4						6	26		6	10		10	
20:00 - 20:59	20		1		5				4					2	8		5	15		15	
21:00 - 21:59	28	6	8		20					32					9		30	7	5	9	
22:00 - 22:59	25	23	17		7			4	6	33				5	27		11	53	6	3	
23:00 - 23:59	27	32	16		25			14	46					5	13		20	21	4		
UTC (hh)	CZE fr	CZE ze	DEU mz	DNK u1	ENG ag	ENG b2	ENG bk	ENG ds	ENG py	ENG tm	FIN jt	FIN ks	FIN rl	FIN ro	FRA jj	FRA vl	HOL ft	HOL rb	SAR gc	SWE bn	SWE cw

NDBs Logged on each frequency for the DX 100 kHz Challenge

(321 kHz includes 321.5 kHz, etc.)

kHz	CZE fr	CZE ze	DEU mz	ENG ag	ENG ds	ENG tm	FRA vl	HOL ft
309								
310					AMN			
311					LMA			

312					BOZ			
313					KI			
314					OZ			
315					HOL			
316				EPM	EPM			
317			HAM	HG	VS			
318			OTR	LE	LE			
319			VAR	C	VAR			
320			RW	DO	PBCD			
321		BU	BU	SP	ABY	SP		
322		KOR	KOR	OU	ORS	OU		
323		CAM	ONC	ONC	ONC	SBL		
324		ON	ON	ON	AS	ON		
325		DP	RCA	AST	AST			
326		KK	OG	RSH	RSH	RSH		OG
327		DIP	NC8	POR	POR			
328		KAM	DK	HIG	HIG	CL		HIG
329		VX	PRS	VX	NMS			
330	HR	HR	HR	NSM	LNA	SKS	ZRA	SRN
331	GRT	GLW	TLF	GLW	TUR	GLW	GST	GST
332	LL	LL	FAR	LL	FAR	LL	FAR	FAR
333	G	LE	LE	LE	VOG	SMF	VOG	
334	MR	MR	AME	OPA	HDM	GMN	AME	GMN
335	DP	BER	NAK	TON	PAN	WCO	TON	RIM
336	LT	BTA	BTA	RS	AQ	AQ	BTA	
337	OZ	MY	MY	MY	MY	MY	AH	MY
338	OA	MNW	OA	MNW	PST	FNY	PST	PST
339	EA	HOS	EA	LS	BIA		BIA	BIA
340	PND	HEI	KAI	HAW	PND	HAW	HAW	LSH
341	NKS	POR	POR	AMB	POR	EDN		POR
342	LL	LL	OA	LL	LL	LL	PES	PES
343	KUS	KUS	CGO	SBN	SBN		CGO	
344	HEK	HEK	MN	HN	MN	WCK	MN	HEK
345	SUS	IGL	SUS	LUT	STM	SUS	TZO	LUT
346	GS	WLU	MI	GS	WLU	GS	WLU	
347	MSK	MSK	MSK	MSK	TD	MSK		DBR
348	ATF	ATF	ATF	VG	CL	SAD	ZZA	ATF

349	JX	JX	SZA	TAR	TAR	JX		
350	DWN	LAA	DWN	MUT	DF	LAA	SK	
351	POM	OV	OV	OV	OV	OV	CST	OV
352	RBU	PSJ	BRY	ENS	DD	NT	NT	
353	KIL	KIL	BNA	OBA	BNA	KIL	EME	KIL
354	FE	GYR	G	CGC	CGC		FE	
355	J	VIL	KI	VIL	PIK	PIK		MI
356	SGO	SGO	OU	RSY	SGO		SGO	AY
357	SME	SEP	SME	CAS	SEP	SEP	CAS	DWI
358	GRK	WC	GRK	BRG	GRK	WC	WC	MSE
359	LK	LK	LOR	AL	LOR	LK	CA	LK
360	OS	DL	BD	SL	ULV	ASK	OS	
361	RO	LIE	RO	GUY	GUY		NB	GUY
362	BZO	BVK	BVK	BZO	BVK	BVK	BZO	BZO
363	OEM	OEM	CIG	OEM	PI		LXI	
364	MAL	NW	NW	KNK	KNK		MAL	
365	SAT	VS	AD	VGD	VGD	VS	LJ	VS
366	SF	SF	UTH	UTH	UTH	SF	CAR	
367	ZAG	ZAG	PNZ	MU	SBD		SBD	ZAG
368	BNO	RK	FN	FN	OY	FN	ELU	BYC
369	VRS	NL	NL	VRS	VRS		VRS	
370	GAC	OHT	OTL	PSA	GAC	AP	KS	
371	RIV	HAA	BRS	HAA	BRS	BRS	CAG	
372	ODR	ODR	OZN	NDO	OZN	ODR	ODR	OZN
373	KEM	KEM	KEM	NW	KEM	KEM	LPD	
374	TST	TU	ANC	CBN	FLV	FLV	CBN	TST
375	GLA	GLA	KD	CHO	GLA	TR	GLA	
376	BS	LN	ORI	LN	BJA	LN	BJA	BJA
377	PA	KN	PA	SM	PNT	PA	PNT	
378	TRI	OS	RSY	KLY	RSY	KLY	TRI	KLY
379	REK	PIS	REK	REK	REK	REK	VEN	PIS
380	KN	LF	PHS	CBL	CAC		CAC	CAC
381	AB	AB	AB	RG	AB	ESP	LCZ	AB
382	GAZ	SBG	EGN	SBG	FW	SLP	SBG	FW
383	SHD	ERK	ALD	S	GUL	SHD	SHD	
384	HNS	HNS	HNS	PMR	HNS	SLG	SLG	
385	KV	AVN	KV	NJ	TEO	KV	TEO	

386	LK	LK	LK	BDL	CP	BZ	BZ	
387	JL	SOK	JL	CEV	ING	CML	CML	CML
388	KRU	COR	KRU	COR	LOU	KRU	GUI	COR
389	MR	MR	MR	ZRZ	ZRZ	MR	CP	CP
390	LV	SS	VAL	SO	DR	LV	AVI	AVI
391	TGE	OKR	OKR	TGE	BV		CC	DDP
392	GDY	GDY	GDY	RW	AS	RAN	TOP	
393	RST	TAT	TAT	BD	BD	TAT	VL	
394	JOK	MEL	JOK	DND	NV	NB	NV	JOK
395	GE	BR	BR	B	B	KW	FOY	FOY
396	YG	RON	HYV	RON	PY	YG	PY	RON
397	NF	WN		ZR	ZR	NF	OP	
398	PEO	NIT	NIT	PEO	LPD		OK	
399	FM	WBD	ONO	MTN	MTN	NGY	NGY	WBD
400	KO	EN	COD	EN	NTD		BRZ	
401	JP	BPL	JP	MEG	LA		COA	FNL
402	CAR	LX	CAR	ORW	ORW	LBA	CAR	FNR
403	LPS	LPS	OJ	OJ	TOB		LPS	OJ
404	VNG	DA	JAN	LRD	LRD	VNG	LRD	CNE
405	AV	GRW	VIE	GRW	GRW	AV	AV	
406	BHX	HOZ	GRO	HOZ	BOT	BOT	GRO	
407	SRT	LUP	SRT	KA	GAR	GAR	LUP	GAR
408	TSR	BRK	TSR	BRK	BRK		CHI	BRK
409	SG	NCS	SG	SG	SG	SG	NCS	SG
410	SI	SI	C	K		C	C	C
411	M	M	M	M		M		
412	GRN	FS	SIG	GRN			GRN	FS
413	BOA	KTI	BOA	BOA			KTI	KTI
414	SLB	ILB	SB	BRI			BRI	
415	RTB	OL	RUS	OL			TOE	RTB
416	BCS	POZ	BCS				ULT	POZ
417	AH	AH				AH	ACD	AH
418	L	PW				L	BAI	L
419	HY	RD				RD	EMT	
420	INN	INN					GS	INN
421	TRU						FN	
422	UR						OSJ	UR

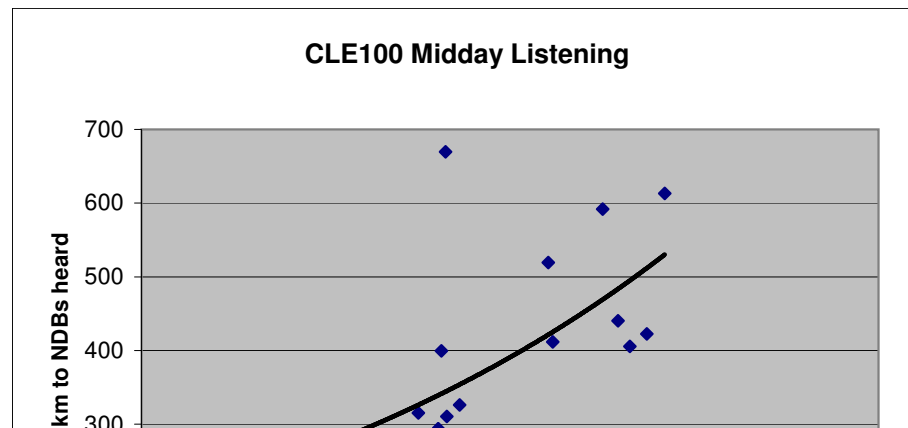
423	ZO						FOR	ZO
424	PIS						RUS	PIS
425	OU						DNC	ERT
426	MIQ						MIQ	
427	BRU						FER	
428	BS						MNF	
429	LOS						LOS	
430								
kHz	CZE fr	CZE ze	DEU mz	ENG ag	ENG ds	ENG tm	FRA vl	HOL ft

Midday Listening (Winter) - Average distance heard vs Listener's Latitude

The very low midday sun at higher latitudes in winter means that reception can occur over quite long distances. To make the following table and the corresponding chart, I used the loggings made between 08:06 and 14:00 UTC. (Roelof's result is rather non-typical - excluding it when making the trend line would show the effect more clearly) Closeness of listeners to the sea would also have a major influence on the average distances heard.

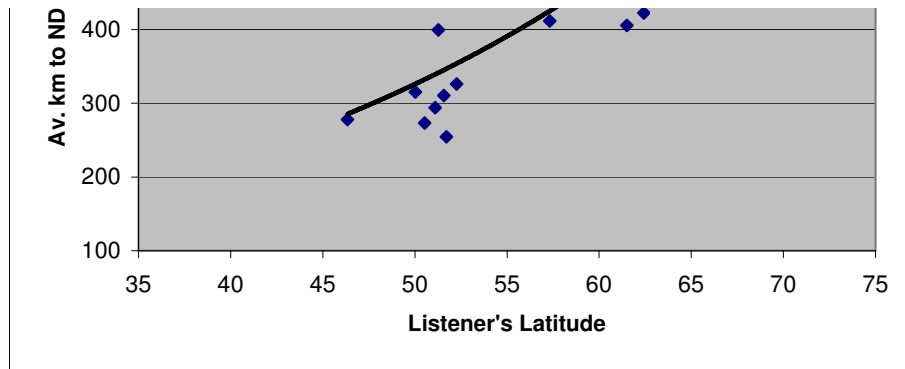
If the Latitude of the NDBs were also taken into account, the effect would be even more pronounced.

Rptr	Lat.	Avg km	NDBs
HOL rb	51.5	670	101
SWE bn	63.4	613	122
FIN rl	60.0	592	82
DNK u1	57.1	519	100
FIN ks	60.9	440	88
FIN ro	62.4	422	77
SWE cw	57.3	412	87
FIN jt	61.5	406	91
ENG bk	51.3	400	190



ENG	b2	52.3	326	152
CZE	fr	50.0	315	103
HOL	ft	51.6	311	102
DEU	mz	51.1	294	85
FRA	vl	46.3	278	104
FRA	jj	50.5	273	100
ENG	ds	51.7	255	100

Example: Roelof's Latitude is about 51.5 degrees and his 101 reports gave an average distance between him and the beacons heard of 670 km.



MOBs

There were 351 different NDBs each heard by one reporter only - 'Mine Only Beacons'. This table just shows the count of MOBs for each listener:

Listener	MOBs
CZE fr	29
CZE ze	12
DEU mz	18
DNK u1	11
ENG ag	24
ENG b2	1
ENG bk	9
ENG ds	6
ENG py	14
ENG tm	2
FIN jt	4
FIN ks	2
FIN rl	1
FIN ro	3
FRA jj	7
FRA vl	68
HOL ft	5

HOL rb	21
SAR gc	48
SWE bn	42
SWE cw	24
ALL	351

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.

CLE100e97.xls
bk 4 Jan. 2008