

NDB LIST CLE No. 201 PYRAMID BUILDING 23 Dec - 31 Dec 2015, midday-midday local time

COMBINED RESULTS

EUROPE

For overall statistics, please see the covering email.

Reporters:

CZE **fr** Frantisek Müller, Praha
CZE **ju** Jaroslav Tomek, Ostrava
CZE **my** Milos Holy, Lhota pod Radcem
CZE **ze** Zdenek Elias, Jablonec nad Nisou, N. Bohemia
DEU **hw** Hartmut Wolff, Near Wolfsburg
DEU **je** Joachim Rabe, Norderstedt, north of Hamburg
ENG **ag** Alan Gale, Whitworth, Lancashire
ENG **bk** Brian Keyte, Bookham, Surrey
ENG **hh** Brian Heath, Stapleton, Leicestershire
ENG **me** Mike Thayne, Whitley Bay
ENG **re** Ray Evans, Bolsover, Derbyshire
FIN **ks** Kari Syrjänen, Aitomaki, near Kouvola
FRA **ea** Eric Angevin, Kercabellec
HOL **de** Dan Petersen (WA), Enschede WebSDR
HOL **rb** Roelof Bakker, Middelburg, Zeeland
SCT **ds** David Atkins, Tighnabruaich, Argyll
SUI **ps** Peter Schleuss, Winterthur

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 (ndbcle'at'gmail.com
- replace the 'at' by an 'at' symbol)

PYRAMIDS SUMMARY:

This first table sumr E.g. Frantisek's ('fr') column shows that 5 NDBs in Hungary were logged at level 5 in his size 13 pyramid.
 The 'aerial' height (i.e. No. of countries with one NDB logged) should be the same as the pyramid base size.

Any gap in the table is where the 'harvester' program did not find that number of loggings for a radio country.
 This may have arisen where a listener had given two loggings of the same NDB,
 or where a listener had allocated an NDB to the wrong radio country, etc.
 A 'missing' country may then share the same count as the country above or below it.

Aerial Height:
Pyramid Size:

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    X X
    X X X
    X X X X
    X X X X X
    X X X X X X
    X X X X X X X
    X X X X X X X X
    X X X X X X X X X
    X X X X X X X X X X
    
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No. of NDBs	CZE fr	CZE jv	CZE my	CZE ze	DEU hw	DEU je	ENG ag	ENG bk	ENG hh	ENG me	ENG re	FIN ks	FRA ea	HOL de	HOL rb	SCT ds	SUI ps	No. of NDBs
	13	9	25	26	30	18	25	10	21	20	15	1	12	8	23	12	14	
	13	17	15	15	31	21	16	10	19	20	13	10	12		23	11	13	
2	BUL	MKD	ALG	ESP	BRA	UKR	SUI	WLS	LTU	SRB	WLS	BLR	BAL	SWE	GEO	BEL	SWE	2
3	SVK	EST	TUN	ALG	GEO	BAL	ROU	LUX	SCY	NIR	LUX	SRB	CNR	DNK	EST	NIR	COR	3
4	SRB	NOR	BAL	BAL	AZR	XOE	HOL	NOR	SVK	HNG	POL	IRN	DEU		SAR	WLS	BUL	4
5	HNG		ESP	POL	BAL	LUX	ITA	POR	LUX	POL	POR	UKR	LUX	BEL	AZR	ITA	SVK	5
6	POL	BUL	SWE	UKR	LBY	BIH	AUT	XOE	POR	CZE	SCT	ROU	BEL		NL		CZE	6
7	ROU	BIH	ROU	HNG	NU	BEL	POR	HOL	ROU	AUT	NOR	FIN	AUT		SCY	ENG	HNG	7
8	AUT		BIH	HRV	ISL	SVK	SCT	FRA	POL	IRL	BEL	RUS	ENG	HOL	ISL	FRA		8
9	FRA	FRA	SVK		ALG	ENG	IRL	ENG	AUT	BEL		NOR	POR		POR	DEU	SRB	9
10	HRV		POL	AUT	HNG	HNG	BEL	BEL	IRL	FIN	ESP	SWE	ITA		FIN	IRL	AUT	10
11	ITA		FRA	FRA	SCT	AUT	NOR		HRV	XOE	DEU		ALG		NU	SCT		11
12	DEU	AUT	CZE	SRB	BEL	SRB			BEL	HOL	FRA		ESP		SRB		HRV	12
13	CZE	HRV	HRV	CZE	AUT	ROU			ESP	SCT	ENG				BEL		DEU	13
14		SRB	DEU	DEU	TUR	HRV	ENG		SRB	HRV					ALG			14
15			ITA	ITA	IRN	CZE	DEU		NOR	ITA					POL			15
16		POL			DNK	DNK	FRA			DEU					ESP			16
17		ITA			SRB	NOR			ITA	FRA					HRV			17
18					ROU	SWE			DEU	NOR				DEU	DEU			18
19					CZE	FRA			ENG	SWE					ITA			19
20					POL	ITA				ENG					ENG			20
21					ENG	DEU									FRA			21

22					ESP												SWE			22
23					NOR												NOR			23
24					ITA															24
25					HRV															25
26					UKR															26
27					SWE															27
28					DEU															28
29					FRA															29
31					RUS															31
32																				32
No. of NDBs	CZE fr	CZE jv	CZE my	CZE ze	DEU hw	DEU je	ENG ag	ENG bk	ENG hh	ENG me	ENG re	FIN ks	FRA ea	HOL de	HOL rb	SCT ds	SUI ps	No. of NDBs		

COUNTRIES HEARD:

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

Cou	Country	CZE fr	CZE jv	CZE my	CZE ze	DEU hw	DEU je	ENG ag	ENG bk	ENG hh	ENG me	ENG re	FIN ks	FRA ea	HOL de	HOL rb	SCT ds	SUI ps	Cou
ALB	Albania	1	1	1	1		1			1					1	1		1	ALB
ALG	Algeria			2	3	9	1	1		1	1			11		14		1	ALG
ATG	Antigua and Barbuda															1			ATG
AUT	Austria	8	12		10	13	11	6		9	7			7			1	10	AUT
AZR	Azores					4		1		1		1		1		5			AZR
BAL	Balearic Is.			4	4	5	3	1				1		2		1		1	BAL
BEL	Belgium	1	1	1	1	12	7	10	10	12	9	8		6	5	13	2	1	BEL
BIH	Bosnia-Hercegovina	1	7	8	1		6	1		1	1							1	BIH
BLR	Belarus												2						BLR
BRA	Brasil					2													BRA
BRI	Bear Is.(Bjornoya)					1													BRI
BUL	Bulgaria	2	6	1	1		1					1			1			4	BUL
CAN	Canada MB					1										1			MB
CAN	Canada NL					1				1	1					6			NL
CAN	Canada NS					1				1						1			NS

KAZ	Kazakhstan					1																KAZ	
LBY	Libya	1				6	1															1	LBY
LTU	Lithuania	1	1		1		1	1		2	1											1	LTU
LUX	Luxembourg	1		1	1		5	1	3	5	1	3			5	1							LUX
MDR	Madeira							1		1		1									1	1	MDR
MKD	Macedonia		2	1	1	1																	MKD
MLT	Malta		1	1	1	1				1				1							1	1	MLT
MNE	Montenegro	1	2		1						1			1							1	1	MNE
MRC	Morocco					1						1		1							1		MRC
NGR	Niger					1								1									NGR
NIR	Northern Ireland							1		1	3	1									1	3	NIR
NOR	Norway	1	4	1	1	23	17	11	4	15	18	7	9			3	23	1					NOR
ORK	Orkney Is.					1					1												ORK
POL	Poland	6	16	10	5	20	1	1		8	5	4					15					6	POL
POR	Portugal				1	1	1	7	5	6	1	5		9			9	1					POR
PTR	Puerto Rico										1						1						PTR
ROU	Romania	7	7	7	1	18	13	3		7	1		6									1	ROU
RUS	Russia (Eu)		3	1	1	31							8										RUS
SAR	Sardinia		1	1	1	1	1	1				1			1		4	1	1				SAR
SCT	Scotland				1	11		8	1		13	6	1				1	11					SCT
SCY	Sicily	1	1	1	1	1	1	1		3		1					7					1	SCY
SHE	Shetland Is.					1				1													SHE
SRB	Serbia	4	14	1	12	17	12	1		14	2	1	3	1	1	12						9	SRB
SUI	Switzerland	1	1	1	1	1	1	2		1				1									SUI
SVK	Slovakia	3	9	9	8	1	8			4	1											5	SVK
SVN	Slovenia	1	3	1	1			1		1	1				1								SVN
SWE	Sweden	1	17	6	1	27	18	14	1	15	19		10		2	22	5	2					SWE
SYR	Syria					1																	SYR
TUN	Tunisia			3		1								1		1							TUN
TUR	Turkey				1	14																1	TUR
UKR	Ukraine		3	1	6	26	2						5			1							UKR
WLS	Wales				1	1	1	1	2			2					4						WLS
XOE	Offshore - Europe			1			4	1	6		11			2			1						XOE
Cou	Country	CZE fr	CZE jv	CZE my	CZE ze	DEU hw	DEU je	ENG ag	ENG bk	ENG hh	ENG me	ENG re	FIN ks	FRA ea	HOL de	HOL rb	SCT ds	SUI ps	Cou				
Totals:		103	189	144	144	495	248	159	64	228	229	104	55	103	50	298	76	116					

LISTENING TIMES:

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

UTC (hh)	CZE fr	CZE jv	CZE my	CZE ze	DEU hw	DEU je	ENG ag	ENG bk	ENG hh	ENG me	ENG re	FIN ks	FRA ea	HOL de	HOL rb	SCT ds	SUI ps
00:00 - 00:59			20	15	61	46	18		24	38	37		2		84		
01:00 - 01:59		15	32		67	74	22		17	16	20	1			22		13
02:00 - 02:59		13	25		13		5		3	47		1			4		
03:00 - 03:59			15		17					1		16		2	3		3
04:00 - 04:59					29							12		15	11		3
05:00 - 05:59					27							1		33	2		
06:00 - 06:59		1			29			7							6		
07:00 - 07:59									10						4		
08:00 - 08:59																	
09:00 - 09:59																	
10:00 - 10:59									3				1		18		
11:00 - 11:59								36	2				1				
12:00 - 12:59					33			10		79							
13:00 - 13:59		2															
14:00 - 14:59		7			1	1		1	26				1			11	13
15:00 - 15:59	5	15	1	2	5				17						14		2
16:00 - 16:59	11	11	14		12				15				4				2
17:00 - 17:59	2	18	11		5				2	3	7		28		2		4
18:00 - 18:59		2	8	6	8				8	11		2	24			1	
19:00 - 19:59	10	42		12	20	1			43			1	17				
20:00 - 20:59	33	36		20	12	5	2		22			1	10		21	2	8
21:00 - 21:59	36	27	15	40	54	21	48		7	10		6	7		23	7	21
22:00 - 22:59	6		3	25	52	50	34	10	9	2		2	7		37	30	25
23:00 - 23:59				24	49	50	30		20	22	40	12	1		47	25	22
UTC (hh)	CZE fr	CZE jv	CZE my	CZE ze	DEU hw	DEU je	ENG ag	ENG bk	ENG hh	ENG me	ENG re	FIN ks	FRA ea	HOL de	HOL rb	SCT ds	SUI ps

LISTENING DAYS:

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

Date (UTC)	CZE fr	CZE jv	CZE my	CZE ze	DEU hw	DEU je	ENG ag	ENG bk	ENG hh	ENG me	ENG re	FIN ks	FRA ea	HOL de	HOL rb	SCT ds	SUI ps
23 Dec (from local midday)	43	88	34	76	84	33			88	85			35		17		
Thu 24 Dec	41	33	23	23	91	142		29	35	127	27	52	2		66	54	80
Fri 25 Dec	19	14	34	45	67	21	43		42		69	2	40		73		19
Sat 26 Dec		14	34		85	36	42		23	11	8	1	23	36	20		16
Sun 27 Dec		24	8		16	3	31		8				3		7		1
Mon 28 Dec		10	11		86		35		29						19	22	
Tue 29 Dec		6			17	6			3						12		
Wed 30 Dec					21	7	7	35		6					80		
31 Dec (to local midday)					28		1							14	4		

LOGGINGS EACH NIGHT

23 Dec. - 31 Dec.

After this long CLE, this special table may be of interest.
It shows the total number of loggings used from each night.

Night of (1700-0600 UTC)	Logs
Wed 23 Dec	727
Thu 24 Dec	500
Fri 25 Dec	459
Sat 26 Dec	250
Sun 27 Dec	185
Mon 28 Dec	58
Tue 29 Dec	102
Wed 30 Dec	90

DEU	360	SR	Saarbrucken Ensheim									0						23
DEU	365	LJ	Koln Bonn				12	1			18	0	0			5		
DEU	368	BYC	Buckeburg				23	1				21	0			5		
DEU	369	MNE	Munchen				3	23		22								14
DEU	370	PSA	Spessart					1				0	0					
DEU	371	MYN	Munster Osnabruck				12	1			23		0			5	23	
DEU	372	NDO	Nordholz				12			22		19		0				
DEU	374	FS	Dresden	20			23											
DEU	376	HAN	Hahn	21			23			23		0				5	0	23
DEU	382	FW	Frankfurt Raunheim				12					0						
DEU	387	SLT	Sylt Westerland									0						
DEU	392	RW	Berlin Tegel West				0			2								23
DEU	400	MSW	Munchen				20											
DEU	405	GRW	Grafenwohr				21			0			0				0	
DEU	406	HOZ	Holzdorf				21			0							0	
DEU	406.5	BOT	Bototrop	19			21			0			1			5		22
DEU	407	LUP	Laupheim				21			0					19		0	14
DEU	413.5	DLS	Berlin Tempelhof Lubars	19			21				16						23	22
DEU	415	RTB	Nurnberg Rothenbach				21				19						0	
DEU	417	LI	Dusseldorf													5	23	
DEU	425	ERT	Erfurt														0	
DEU	426	MIQ	Mike for Ingolstadt														0	15
DEU	427	BRU	Braunschweig														0	
DEU	431	KBA	Karlsruhe Baden Baden														1	15
DEU	448	LQ	Landsberg	2														
DEU	452	ANS	Ansbach	2														
DEU	488	ILM	Illesheim	2											17	4		
DMA	273	DOM	Marigot Melville Hall											0				
DNK	316	IN	Sonderborg ##+.ISL				19	1										
DNK	321	VO	Vojens Skrydstrup				12	1									4	
DNK	328	VJ	Stauning				23	0									4	
DNK	330	SB	Sonderborg				12	1										
DNK	334	FAU	Ronne Bornholm				12	1										
DNK	339	SD	Sindal				21	22										
DNK	341	LO	Billund				12	1		22						4		

ENG	349.5	LPL	Liverpool				0												
ENG	352	NT	Newcastle					23		11									22
ENG	352	WOD	Woodley				3					12						10	
ENG	353.5	EME	East Midlands					0										10	
ENG	356	WBA	Wolverhampton									12							
ENG	362.5	SND	Southend on Sea					0											
ENG	363.5	CT	Coventry																22
ENG	365	KIM	Humberside.									12							
ENG	367.5	OX	Oxford Kidlington					22											22
ENG	368.5	WHI	Whitegate for Hawarden				6									17		10	22
ENG	369	RCH	Rochester									12						10	
ENG	370	CUL	Culdrose RNAS				6			11					17				
ENG	385	WL	Barrow Walney Is							11		12							
ENG	386	BZ	Brize Norton			2						12							
ENG	391.5	EAS	Southampton Eastleigh				0												
ENG	393	EMW	East Midlands									12							
ENG	397	LZD	Lydd				1												
ENG	402.5	LBA	Leeds Bradford				0					12							
ENG	406	BHX	Birmingham				21					12							
ENG	414	BRI	Bristol Filton				18								17				
ENG	421	BUR	Burnham									12							
ENG	423	CWL	Cranwell									12							
ENG	426	SH	Shobdon															21	
ENG	433.5	HEN	Henton				0	0				12							
ESP	284	AM	Almeria												17				
ESP	285	GR	Granada												19				
ESP	308	VT	Vitoria				0								16				
ESP	310	AMN	Almeria				0												
ESP	319	ECV	Colmenar				0				19		23					23	
ESP	325	AST	Asturias				2				19		23		17			21	
ESP	328	HIG	San Sebastian				1		21				23		17			23	
ESP	330	AI	Alicante				0								19				
ESP	330	RMA	Malaga												19				
ESP	335	TON	Torralba de Aragon				0		21				23		17			23	
ESP	345	VTA	Vitoria												19				

ESP	356	SGO	Sagunto				22	19					0		17				1
ESP	362	EBT	Betera Valencia					23							18				
ESP	380	VNV	Villanueva			1		23		1		22							
ESP	387	AV	Asturias Aviles										1					0	
ESP	389	ZRZ	Zaragoza					22		1									
ESP	390	SO	Santiago de Compostela					0				21						22	
ESP	395	B	Bilbao			3		1		2		18		1				21	
ESP	399	EAG	Logrono Agoncillo			3		0		23								1	
ESP	401	COA	La Coruna									7		0					
ESP	404	LRD	Lerida			0	21	0		23		19		1					
ESP	410	C	La Coruna							0		7	1	1				1	
ESP	412	GRN	Gerona			0		23										21	
ESP	416	SA	Santander					22							20			23	
ESP	417	SNO	Santiago									7							
ESP	420	SPP	Sevilla San Pablo					0				7						1	
ESP	421	GE	Madrid Getafe.					22	1	0		19						0	
ESP	422	PAM	Pamplona					22		1								20	
ESP	424	RUS	Reus															0	
ESP	433	JER	Jerez					0				7						0	
ESP	433	VON	Vigo					22				23							22
EST	317	OZ	Kardla		19				0									23	
EST	386	O	Kardla		2		23											23	
EST	514	GO	Amari Air base		19							23						0	
FIN	324	AS	Kemi Tornio		1								2		23			23	
FIN	333	G	Kemi Tornio		21					22			2		4			23	
FIN	336	M	Mikkeli												4				
FIN	339	V	Kokkola Kruunupyy										2		4			23	
FIN	346	MI	Mikkeli Korpikoski				23						2		2			23	
FIN	351	SAV	Savonlinna			1							2		3				
FIN	352	PSJ	Seinajoki												3			23	
FIN	373	KEM	Kemi Tornio		1				1				2					0	
FIN	382	IJ	Seinajoki										2						
FIN	388	KRU	Kronoby Kruunupyy										2					0	
FIN	398	ESS	Kruunupyy Kronoby															0	
FIN	404	Y	Kemi Tornio										2					0	

FIN	416	TOR	Rovaniemi Toramo														0		
FRA	286.5	TA	Villacoublay Velizy					22			14	2							
FRA	288.5	AVD	Avord							12									
FRA	289	HR	Hericourt																14
FRA	291	WS	Grenoble St Geoirs																1
FRA	302	ROM	Rodez Marcillac														21		
FRA	306.5	AV	Avord					0			12	17	21						
FRA	309	DO	Dole Tavaux	20															
FRA	315	HOL	Villacoublay Velizy					22											
FRA	317	VS	Valenciennes Denain	20				0		21		15	12	23					
FRA	318	BE	Bordeaux Merignac											17					
FRA	320	LSU	Limoges Bellegarde				20	0						17					
FRA	320	TY	Troyes Barberey					0			12	19	12						
FRA	320	VE	Valence Chabeuil							22									23
FRA	321	ABY	Albert Bray							21		14		23			5		
FRA	322	ORS	Orleans									19							
FRA	322	TLN	Hyeres Le Palyvestre		1		20							23					
FRA	326	LM	Le Mans Arnage							21		19						22	
FRA	327	MVC	Merville Calonne					21		21				23				22	
FRA	330	MB	Montbeliard Courcelles	21						21									14
FRA	331	TUR	Tours Val de Loire							21	12								
FRA	332	LL	Lille Lesquin							21			12	23			5		
FRA	334	DX	Dax Seyresse											23		17			
FRA	334	POY	Paris Orly				6			21	12					17			
FRA	335	MC	Montlucon Domerat														3		
FRA	338	GU	Brest Guipavas													17			
FRA	339	FG	Montpellier Méditerranée																
FRA	339	GI	Amiens Glisy									15							
FRA	339	NE	Nancy Essey				21					21	0						17
FRA	341	AMB	Amboise									12	7			17			
FRA	341	BZ	Biarritz Anglet.							22									
FRA	342	VA	Vannes Meucon							22				23				22	
FRA	343	MS	Marseille Provence													21			
FRA	344	TR	Villefranche Tarare					22					23					0	
FRA	345	LN	Lannion							22			14	17				0	22

FRA	387	ING	St. Inglevert				0		0									22	
FRA	387	RZ	Rodez Marcillac															21	
FRA	388	BR	Lyon Bron		19				0										
FRA	388	LOU	Metz Louvigny																14
FRA	389	PX	Perigueux Bassillac						1	22									
FRA	390.5	ITR	Istres Le Tubé				0		1					23					
FRA	391	CC	Chalon Champforgeuil						1										
FRA	393	BD	Bordeaux Merignac						1										22
FRA	394	NV	Nevers Fourchambault				0		1		12								22
FRA	395	FC	Figeac Livernon				0		1				23						
FRA	395	GSG	Gourin						1		23							0	
FRA	395	OB	Marseille Obane															0	
FRA	397	BLB	Blois Le Breuil						1										
FRA	397	PO	Pau Pyrenees			3										14			
FRA	397	ZR	Beziars Vias						1									23	
FRA	398	LPD	Montlucon Gueret						1										
FRA	398	LRN	Lorquin Xouaxange						1				2						
FRA	398	MT	St. Nazaire Montoir			3							2						
FRA	400	AG	Agen La Garenne			3			1										
FRA	401	LA	Laval Entrammes						1										
FRA	403	VZ	Vichy Charmeil						0										
FRA	404	AGO	Angouleme						0										
FRA	404	CNE	Caen Carpiquet						3										
FRA	404	MRV	Merville Calonne						18										
FRA	406	MJ	Marseille Provence	21					23										
FRA	406	TW	Toulouse Blagnac			0			0										
FRA	410	ETN	Etain Rouvres				21												
FRA	412	SE	Strasbourg Entzheim	21															
FRA	415	TOE	Toulouse Blagnac			1													
FRA	417	AX	Auxerre Branches	21															
FRA	418	SAL	Sainte Leocadie			1									17				
FRA	419	EMT	Epinal Mirecourt	21	20		21												
FRA	420	LMT	Auch Lamothe												11			22	
FRA	424	LOE	Limoges Bellegarde									18							
FRA	424	PHG	Phalsbourg									18							

FRA	426	CTS	Castets						1					17		22		
FRA	427	RY	Royan Medis										18					
FRA	428	CTX	Chateauroux Déols	21														
FRA	430	SN	St. Yan		20	21							18					
FRA	434	MV	Melun Villaroche		2								18					
FRO	337	MY	Myggenaes	21				23			7		12				22	
FRO	348	VG	Vagar													0		
GEO	353	BT	Ali															20
GEO	430	LU	Batumi			21											23	
GEO	477	TIG	Kutaisi															22
GEO	520	DF	Mukhrani														23	
GRC	291	KZN	Kozani Filippou															21
GRC	362	LSA	Larisa.			2	22							19		22		23
GRL	372	OZN	Prins Christian Sund						22		20					23		
GRL	386	CP	Constable Pynt														23	
GSY	383	ALD	Alderney						1	11	10	21	1			20	22	
HNG	282	AO	Szolnok															5
HNG	295	DC	Debrecen															4
HNG	306	TPS	Tapiosap	20				21				1						4
HNG	318	CP	Papa		14													
HNG	326	C	Debrecen					22										
HNG	330	NY	Nyiregyhaza															22
HNG	343	A	Budapest Ferihegy															0
HNG	346	Y	Nyiregyhaza															0
HNG	348	SVR	Sagvar	20	20		21	0	0				0					21
HNG	354	GYR	Gyor	20	13			21	23				23					21
HNG	374	BKS	Bekes					1	21									
HNG	386	PTB	Pusztaszabolcs		19		23		23	1								21
HNG	400	BC	Bekescsaba			0	20	1										
HNG	412	PP	Pecs	21	20		21		22			1						21
HNG	430	BUG	Bugac	22			22		22									21
HNG	436	SME	Sarmellek Balaton				22		22			0						1
HNG	517	JBR	Jaszbereny		14		22		23									20
HOL	326	LLS	Lelystad							11		12			5			
HOL	330	SO	Eelde Groningen							11		12			5			

HOL	332	NV	Amsterdam Schiphol						21			12				5			
HOL	350.5	ROT	Rotterdam						21			12				5			
HOL	357	VZ	Eelde Groningen									12				5			
HOL	369	PS	Rotterdam Locator									12							
HOL	373	NW	Maastricht Beek									12				5			
HOL	383.5	GUL	Gulpen		1	2			0	1	11	0				5			
HOL	386	STD	Stad aan het Haringvliet								11	2							
HOL	388.5	CH	Amsterdam Schiphol									12							
HOL	395	OA	Amsterdam Schiphol								11	2							
HOL	397	EHN	Eindhoven								11					5			
HOL	404.5	RR	Rotterdam Locator				20			23	11	12							
HRV	265	KAV	Pula Kavran			1		20									21		23
HRV	289	RI	Rijeka Krk	19													21		
HRV	316	TNJ	Tounj	20	1		20	19	0			1					21		17
HRV	318	KLP	Dubrovnik Kolocep		19	16		22	0			0		18			20		1
HRV	320	VL	Pula Valtura			16		21				1					21		
HRV	325	VG	Zagreb Velika Gorica					20									21		
HRV	330	ZRA	Zadar Kakman	21	18	16		0											21
HRV	344	VAR	Varazdin					0											
HRV	348	ZK	Zadar					0											
HRV	350	SK	Zagreb Kraljevec	20	19	18		23	22			1							21
HRV	351.5	PLA	Pula					19	19										
HRV	367	ZAG	Zagreb		15	2	23	21	1	22		19	1				23		23
HRV	369	VRS	Vrsar			2		21	20								23		23
HRV	372	CE	Osijek Cepin		20	2		0				22					23		
HRV	378	TRI	Split Trogir			1	23												
HRV	385	BO	Zadar Bokanjac			2		0	1								23		
HRV	397	CV	Dubrovnik Cavtat				0	1				22					23		
HRV	400	BRZ	Rijeka Krk Breza	21	2	3	20	0				20	1				23		22
HRV	412	HUM	Humac				21	23									23		
HRV	414	GR	Dubrovnik Gruda	21		1	21	22					0				23		
HRV	418	DVN	Split Drvenik	17	2	1	21	23	1			22	1				23		22
HRV	420	GS	Pula		20			23	1			19	18				23		22
HRV	422	OSJ	Osijek	21				22	0			19	23				20		
HRV	424	PIS	Zagreb Pisarovina	17	2			22	0			20	18						22

ISL	348	HA	Vopnafjordhur Hofsa					4									0		
ISL	355	RK	Reykjavik														0		
ISL	365	ES	Egilsstadir					3									0		
ISL	373	TN	Thorshofn					4									0		
ISL	375	VM	Vestmannaeyjar					2		22							0		
ISL	392	KF	Keflavik					1			7						4		
ISL	393	VP	Vopnafjordhur														0		
ITA	285	URB	Roma Urbe (RM)			0		18									2		
ITA	292	NOV	Milano Novara (NO)																1
ITA	301.5	CMP	Campagnano (RM)	20	19	1		4	20							16			23
ITA	301.5	TRE	Treviso (TV)			1						23			21				
ITA	306	PAR	Parma (PR)	20		16	20	19	23			19	0	17	16		21	23	1
ITA	312	TAQ	Tarquinia (VT)												17				
ITA	318	GEN	Genova Sestri (GE)						0		23				18			23	
ITA	325	RCA	Reggio di Calabria (RC)	21	19	16	21		23			0	23				21		
ITA	327	OST	Roma Ostia (RM)			16													
ITA	332	PDA	Padova (PD)	21		17	21		21			19	23					23	
ITA	333.5	VOG	Voghera (PV)	21	19	17			22			19	3	23	17			23	
ITA	340	FOG	Foggia (FG)	20	21	17	21		1			19	0		23				
ITA	342	PES	Pescara (PE)	20	21		21	23	0				23						
ITA	343	GRA	Grazzanise (CE)	20	21	21	21							23					4
ITA	345	FW	Roma Fiumicino (RM)				21				19				18				
ITA	345	TZO	Trezzo sull'Adda for Milano (MI)						23										
ITA	350	BLA	Biella Cerrione (BI)	20					21										
ITA	351	POM	Napoli Pomigliano d'Arco	20															
ITA	354	FE	Roma Fiumicino (RM)			18	22	21											
ITA	357	CAS	Torino Caselle. (TO)					5	22										
ITA	357.5	FAL	Falconara Marittima (AN)	21	21	18		21	23			20	0	0			22	23	
ITA	362	BZO	Bolzano (BZ)		19	2	22	21	22	21		20		0					23
ITA	364	MAL	Milano Malpensa. (VA)					21	23										
ITA	371	LEV	Savigliano Levaldigi (CN)				23												
ITA	371	RIV	Codroipo Rivolto (UD)				23					1							
ITA	374.5	ANC	Ancona (AN)		15				1	23		19				4			23
ITA	376.5	ORI	Bergamo Orio al Serio (BG)		20			1					23						
ITA	379	PIS	Pisa (PI)		20		23		23			20							23

NOR	349	TAR	Orland Tarva			1			1			1	2		3			
NOR	350	TIL	Bardufoss Malselv												3			
NOR	353	MH	Mehamn												3			
NOR	358	GRK	Trondheim Grakallen					4	1			1	2					0
NOR	360	ASK	Bergen Askoe									1	2					0
NOR	360	ULV	Bronnoysund Ulvingen						1			1						0
NOR	362	BVK	Orsta Volda Baatvik					23	0			1	2					0
NOR	365	ODD	Harstad Odden															0
NOR	366	UTH	Orland Uthaug					21	1	22		1		0				0
NOR	369	STG	Stegen Sandane.					6		22		1	23					
NOR	371	BRS	Bremsnes for Kristiansund					6	0			1	2					0
NOR	371	HAA	Hamar Stafsberg					6	0	22		1	2					0
NOR	372	ODR	Kristiansund Odderoy		16			23	1	22	22	23	2	0				
NOR	374	BL	Forde Bringeland					1										
NOR	374	FLV	Bodo Fleinvaer					1					2					1
NOR	378	RSY	Stavanger Rennesoy					4	21	23								0
NOR	379	REK	Reksten		21				1	23	11	19		0			5	0
NOR	380	FLR	Trondheim Flornes					1	1				2					1
NOR	381	RG	Rygge Tune						23	1								0
NOR	393	TAT	Molde Tautra					1	1									
NOR	396	YG	Rygge Enge					2	1	2			1	1				
NOR	401	RBU	Roros Rambu															0
NOR	404	VNG	Vangsnes					23					2	1				
NOR	414	HD	Sandnessjoen Hestad										2	1				
ORK	395	KW	Kirkwall					1					12					
POL	255	WRC	Wroclaw Strachowice	19														
POL	262	NR	Inowroclaw	19	20			1										0
POL	280	ND	Swidwin					0										1
POL	282	NF	Minsk Mazowiecki					5										
POL	290	NO	Oksywie					16										
POL	300	NE	Pruszcz Gdanski		19			4										1
POL	311.5	ML	Cewice					16										17
POL	345	NB	Malbork		21			21										
POL	375	CHO	Chociwel		21			1	23	12			18	23	23			1
POL	383	GDB	Gdansk Rebiechowo									0						1

RUS	455	RD	Barzanye Matakы				20											
RUS	468	MD	Myneralnye Vody				21											
RUS	470	QL	Taganrog				19											
RUS	473	MG	Rzhev				5											
RUS	475	PT	Petrovskoye				22											
RUS	480	AN	Anapa Vityazevo				3											
RUS	480	AP	Anapa Vityazevo				18											
RUS	480	CP	Magnitogorsk				21											
RUS	485	CW	Krasnaya Gorbatka				19											
RUS	485	ZK	Engels				21											
RUS	486	KL	Krasny Sulin				21											
RUS	486	T	Kostroma				5											
RUS	493	RW	Maryino				22											
RUS	514	UR	Moscow Chkalovskoye	21														
RUS	1080	AR	Buzharavo			18												
SAR	316	CAL	Cagliari Elmas				22									21		
SAR	337	AH	Alghero	21				0	21			23			5	20	22	21
SAR	357	SME	Olbia Costa Smeralda			22										20		
SAR	402	CAR	Capo Carbonara		0											20		
SCT	316	BRR	Barra				6										22	
SCT	328	IVR	Inverness						22									
SCT	331	GLW	Glasgow				6				12						14	
SCT	341	EDN	Edinburgh						23		12						14	
SCT	344	WCK	Wick			23	2		22		12		3				21	
SCT	348	ATF	Aberdeen Dyce				2		22		12	17						
SCT	355	PIK	Prestwick				2		21		12	0					14	
SCT	368	UW	Edinburgh				6		22		12	0					14	
SCT	380	CBL	Campbeltown				1		23		2						14	
SCT	394	DND	Dundee				1		2		12	1						
SCT	395	LAY	Islay								21						14	
SCT	399	NGY	New Galloway				1			11	12	1					14	
SCT	401	BBA	Benbecula				1				21	0				1	23	
SCT	404	OBN	Oban North Connell								21							
SCT	431	SAY	Stornoway				1				21						23	
SCY	317.5	TRP	Trapani Marsala (TP)	21												20		

SVK	412	FS	Sliac			1	21												
SVK	418	PW	Poprad Tatry West		14		21												
SVK	425	KE	Kosice			21													
SVK	438	B	Bratislava Barka		14	21			22				0						
SVK	438	PE	Poprad Tatry East	22	20	21	19		22			19							22
SVK	477	RP	Malacky Kuchyna																1
SVK	508	Z	Zilina Hlinik		17	0			23										20
SVK	571	P	Presov Kapusany						22										
SVN	296	MG	Ljubljana Brnik		20														
SVN	328	RK	Cerklje				21												
SVN	334	MR	Maribor	21	19	17										5			
SVN	388	PZ	Portoroz									20	0						
SVN	463	CE	Cerklje		20					21									
SWE	285	LCF	Linköping Malmen			0		18											
SWE	300	SC	Linköping Malmen			1		4				0							
SWE	309	LG	Satenas.					19											
SWE	312	KBG	Karlsborg										2						
SWE	318	LP	Ronneby Kallinge		1			19											
SWE	320	OL	Lycksele											23			0		
SWE	322	OD	Ornskoldsvik											23					
SWE	324	ON	Norrköping Saab		19				1			0		23				22	
SWE	325	PG	Trollhattan Vanersborg		1					22		0					0	23	
SWE	326	KG	Kramfors Bjartra					22					2	23			0		
SWE	326	OG	Gavle Sandviken					22											
SWE	327	Y	Sveg					22					2	23			0		
SWE	328	DK	Vilhelmina					23					23	4					
SWE	329	VX	Vaxjo Kronoberg		19			1	22				21	4			0		
SWE	329	WU	Umea					6						4			0		
SWE	330	LNA	Lena Enköping					1											
SWE	330	SKS	Karlstad			1		1									0		
SWE	335	NAK	Stockholm Bromma Nacka											4					
SWE	336	LT	Halmstad					6	1	22									
SWE	338	OA	Jonköping		19				23			0		4			0	20	
SWE	342	SL	Goteborg Landvetter									1							
SWE	346	GS	Gavle Sandviken						1				2				0		

SWE	348	WA	Stockholm Arlanda					0				2							
SWE	349	JX	Vaxjo Kronoberg		20						0								
SWE	351	OV	Visby		19			3	1	21		22	2			5	1	23	3
SWE	360	OS	Goteborg Save	21	20			12	1	21		22					0		
SWE	362	NN	Eskilstuna Kjula					21	1				21						
SWE	363	OEM	Kristianstad Everod		21			12	1							4	0		
SWE	364	NW	Stockholm Skavsta					21					2				0		
SWE	364	VNA	Vanja Umea														0		
SWE	366	KM	Kalmar		20			21				22					0		
SWE	368	OY	Sveg					6									0		
SWE	369	NL	Goteborg Landvetter					3											
SWE	369	OO	Ornskoldsvik					6											
SWE	370	L	Lycksele					6									0		
SWE	370.5	LB	Angelholm Barkakra					12	1		22	0						23	
SWE	375	KD	Kristianstad Everod						1										
SWE	375	RB	Orebro		21		3			23		0					1		
SWE	377	KN	Norrkoping Kungsangen						21	23		0					0		
SWE	378	OS	Sundsvall Harnosand						1										
SWE	380	LF	Ronneby Kallinge						1										
SWE	383	ERK	Erken		21			0	1				2				6		
SWE	388	COR	Corner for Bromma		20				22	1		0	2				0		
SWE	390	PAJ	Pajala					3											
SWE	390	SS	Skovde					5											
SWE	399	FM	Trollhattan Vanersborg						22	23			2						
SWE	400	EN	Orebro										2						
SWE	402	LX	Eskilstuna							23									
SWE	403	NM	Mora Siljan.										2				0		
SWE	403	OJ	Jonkoping				0			23									
SWE	409	SG	Satenas Tune		20		0			0		23							
SWE	415	OL	Linkoping Saab		20			21		0									
SWE	416	BCS	Bacchus							0			2						
SWE	417	AH	Angelholm Barkakra		20														
SWE	417	R	Gavle Sandviken							0			2						
SWE	421	BL	Borlange Dala.										0						
SWE	421	MF	Halmstad		20							23	2						22

UKR	455	NS	Chuguyev					4												
UKR	455	UH	Chuguyev					4												
UKR	462	VI	Zhitomir					6												
UKR	470	CD	Mirgorod					5												
UKR	485	KH	Kakhovka					17												
UKR	672	RS	Rashivka				18	15												
UKR	690	SR	Seredne					15												
UKR	733	ZK	Kiev Zhuliany				18	16						18						
UKR	735	KW	Koviahny				18	15												
UKR	825	KB	Kiev Borispil					15												
UKR	825	KE	Kiev Borispil				18													
UKR	960	CY	Chervonyi					15												
UKR	1290	BO	Bohdanivka				15	14						18						
WLS	320	CAE	Caernarfon																21	
WLS	323	WPL	Welshpool																22	
WLS	340	HAW	Hawarden							11				0					18	
WLS	388.5	CDF	Cardiff				0	0	1	1	11			1					23	
XOE	316	PA	Leman Shell/Esso								12			12						
XOE	326	YW	Tyra West											12					22	
XOE	340	HEI	Heidrun								22			2						
XOE	349	DNF	Dan Duc DF						22					12						
XOE	349	SPA	Sleipner A											12						
XOE	359	BUZ	Buzzard Nexen						22					12						
XOE	374	CPR	Clipper				3		22		11			12			17			
XOE	375	EKO	Ekofist L								11						17			
XOE	380	ULA	Ula							23				12						
XOE	403.5	LNL	Lancelot A											12						
XOE	419	RA	Tyra East A						23		22			12						
XOE	420	LGS	Conoco Loggs								12			12						
Cou	kHz	Call	Location	CZE fr	CZE jv	CZE my	CZE ze	DEU hw	DEU je	ENG ag	ENG bk	ENG hh	ENG me	ENG re	FIN ks	FRA ea	HOL de	HOL rb	SCT ds	SUI ps

'MOB's The 'Mine Only Beacons' table is omitted this time as it is very large (nearly 300 NDBs) and not very meaningful for this special CLE.

NDB COUNTS, BY FREQUENCY

This table would also be very large and not very meaningful.

However, these were the busiest frequencies used for pyramid making:

NDBs	kHz
14	330
13	345
11	348
11	369
10	318
10	328
10	351
10	362
10	375
10	395

FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

THEN: CLE165 Pyramid CLE 25 Dec 2012 - 7 Jan 2013

NOW: CLE201 Pyramid CLE 23 Dec - 31 Dec 2015

(Note that CLE201 was five days shorter)

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 jv		677		128		189		1850
ENG ag		967		154		159		3148
ENG re		923		96		104		3053
FRA ea		1145		118		103		6415
SCT ds		764		58		76		2682
HOL de		408		20		50		1720
Averages:		814		96		114		3145

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	719	588	50	61	69	103	1777	2043
CZE my	1481	826	95	119	64	144	7753	4932
CZE ze	888	760	68	109	77	144	2003	2334
DEU hw	1345	1378	798	682	593	495	7522	8420
DEU je	1061	886	438	220	413	248	7479	5004
ENG bk	1159	646	265	41	229	64	6761	4335
ENG hh	1035	1128	193	257	187	228	3855	4182
ENG me	1701	1029	109	236	64	229	7110	6750
FIN ks	1444	1165	95	64	66	55	3522	3714
HOL rb	1517	1504	703	448	463	298	7039	7039
SUI ps	657	661	99	77	150	116	1855	1754
Averages:	1182	961	265	210	216	193	5152	4592
% Increase:		-19		-21		-11		-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 listening 'rules' 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 aerials, time available for listening, use of recording equipment 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.

TAB's Trans-Atlantic Beacons

These details will be available when the Rest of the World results have been compiled.

CLE201e5.xls
bk 4 Jan 2016