

COMBINED RESULTS  
EUROPE

For overall statistics, please see the covering email.

Reporters:

CZE	lk	Ludek Kosek, Jablonec nad Nisou, N. Bohemia
CZE	my	Milos Holy, Lhota pod Radcem
CZE	ze	Zdenek Elias, Jablonec nad Nisou, N. Bohemia
DEU	bd	Bernhard Hein, Dessau-Roßlau
DEU	hw	Hartmut Wolff, Near Wolfsburg
DEU	je	Joachim Rabe, Norderstedt, north of Hamburg
ENG	bs	Brian Russell, Runcorn
ENG	hh	Brian Heath, Stapleton, Leicestershire
ENG	me	Mike Thayne, Whitley Bay
ENG	px	Peter Greateorex, Bolsover, Derbyshire
ENG	re	Ray Evans, Bolsover, Derbyshire
ENG	yk	Dave Robson, York
FIN	jt	Jarno Fält, Tampere
HOL	rb	Roelof Bakker, Middelburg, Zeeland
ITA	wb	William G Buchanan, Alessandria
NOR	g5	Geir Laastad, While at Sandbu, Treungen (Telemark)
SCT	ds	David Atkins, Tighnabruaich, Argyll

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 @ symbol )

Beacons Heard

Beacons are shown in kHz order within each country

The numbers shown within the table are the times in 'hh' UTC that the beacons were logged.  
(e.g. 01 indicates logged between 01:00-01:59 UTC).

ITU	QRG	ID	Name	CZE lk	CZE my	CZE ze	DEU bd	DEU hw	DEU je	ENG bs	ENG hh	ENG me	ENG px	ENG re	ENG yk	FIN jt	HOL rb	ITA wb	NOR g5	SCT ds
ALG	268.0	ZAR	Zarzaitine		20			03												
ALG	356.5	OU	Ouargla		00			21	00								02			23
ALG	435.0	IGZ	In Guezzam					01												
ATG	369.0	ZDX	Coolidge Saint Johns														04			
AZR	351.0	PD	Ponta Delgada														04			
AZR	360.0	HT	Horta / Faial Island								02						04			
AZR	380.0	FIL	Horta / Faial Island								00						04			23
BRI	316.0	BJO	Bjornoya / Bear Isl					00												
BUL	284.0	GNA	Gorna								21	00	22	00					00	23
BUL	312.0	BOZ	Bozhurishte											23						
BUL	321.0	BU	Burgas														23			
BUL	350.0	DWN	Devnya For Varna								00						23		01	
BUL	450.0	PDV	Plovdiv								00								01	
BUL	490.0	WAK	Vakarel									02		22					01	
CAN	220.0	BX	Blanc Sablon / Lourdes de Blanc Sablon														02			



DEU	345.0	IGL	Ingolstadt					01	01									
DEU	350.0	FU	Hamburg West				16	10	19									
DEU	352.0	LAA	Niederrhein				01	10	01									
DEU	353.0	KIL	Kiel / Holtenau					10	19									
DEU	354.0	PAD	Paderborn / Lippstadt				19	10	01									
DEU	357.0	DWI	Dortmund / Wickede					10	01									
DEU	357.0	SKZ	Leipzig / Halle				12	10	01									
DEU	358.0	MSE	Munchen					01	01									
DEU	360.0	SR	Saarbrucken / Ensheim					01	01									
DEU	365.0	LJ	Koln / Bonn				21	10	01									
DEU	368.0	BYC	Buckeburg				12	10	01									
DEU	369.0	MNE	Munchen				21	01	01									
DEU	370.0	PSA	Spessart				19	10	01									
DEU	371.0	MYN	Munster / Osnabruck				20	10	01									
DEU	372.0	NDO	Nordholz				01	10	19									
DEU	374.0	FS	Dresden				12	10	01									
DEU	376.0	HAN	Hahn				12	10	01									
DEU	382.0	FW	Frankfurt / Raunheim				01	10	01									
DEU	387.0	SLT	Sylt / Westerland					10	19									
DEU	392.0	RW	Berlin / Tegel West				12	10	01									
DEU	394.0	LYE	Lubeck / Blanckensee				21	10	19									
DEU	399.0	WBD	Wiesbaden				01	01	01									
DEU	400.0	MSW	Munchen				18	01	01									
DEU	405.0	GRW	Grafenwohr				21	01	01									
DEU	406.0	HOZ	Holzdorf				12	10	01									
DEU	406.5	BOT	Bottrop				16	10	01									
DEU	407.0	LUP	Laupheim				21	01	01									
DEU	413.5	DLS	Berlin / Tempelhof / Lubars				12	10	01									
DEU	415.0	RTB	Nurnberg / Rothenbach				21	01	01									
DEU	417.0	LI	Dusseldorf				20	01	01									
DEU	419.0	WUN	Wunstorf				12	10										
DEU	425.0	ERT	Erfurt				12	10	01									
DEU	426.0	MIQ	Mike for Ingolstadt				21											
DEU	427.0	BRU	Braunschweig				12	10	01									
DEU	429.0	OBI	Oberpfaffenhofen					01	01									
DEU	431.0	KBA	Karlsruhe / Baden Baden					01	01									
DEU	452.0	ANS	Ansbach				21	18	01									
DEU	468.0	FTZ	Fritzlar				16	10	01									
DEU	484.0	HOF	Hof				13	18	01									
DEU	488.0	ILM	Illesheim				18	18	01									
DEU	489.0	SIL	Siegen / Siegerland				21	01	01									
ENG	277.0	CHT	Chiltern									17	11	19	21	15		
ENG	316.0	EPM	Epsom for Heathrow									17	11	19	20	15		
ENG	318.0	BPL	Blackpool							13		17	11	19	20	14		
ENG	322.0	LCY	London / City									17		19	22			
ENG	323.0	SBL	Sherburn-In-Elmet									17	11	19	20	15		
ENG	327.0	TNL	Tatenhill									17		19				
ENG	328.0	BLK	Blackbushe									17		19	22			
ENG	328.0	CL	Carlisle									17	11	19	22	14		
ENG	331.0	GST	Gloucester									17		20	20	15		
ENG	332.0	SHM	Shoreham									17		20				
ENG	332.5	CAM	Cambridge									17	11	20	20	15		
ENG	335.0	WCO	Westcott									17	11	20	20	15		
ENG	337.0	EX	Exeter									17		20	00			
ENG	337.0	WTN	Warton							13		17	11	20	20	15		
ENG	338.0	FNY	Robin Hood / Doncaster / Finningley									18	11	20		15		
ENG	339.0	BIA	Bournemouth									18	00	20	22	15		
ENG	342.5	NWI	Norwich									18	11	20	20	15		

ENG	343.0	YVL	Yeovil / Westland						18		20	20					
ENG	345.0	LUT	London / Luton						18		20	20	15				
ENG	347.0	NQY	Newquay						18		20	00					
ENG	347.5	TD	Teeside						18	11	20	20	15				
ENG	348.0	FOS	Fairoaks						18		21	22					
ENG	349.5	LPL	Liverpool					13	18	11	21	20	14				
ENG	352.0	NT	Newcastle						18	11	21	21	14				
ENG	352.0	WOD	Woodley						18	11	21	21	15				
ENG	353.5	EME	East Midlands						18		21	21	15				
ENG	356.0	WBA	Wolverhampton						18	11	21	21	15				
ENG	362.5	SND	Southend-On-Sea						18	11	21	21	15				
ENG	365.0	KIM	Kirmington						18	11	21	21	15				
ENG	367.5	OX	Oxford / Kidlington						18	11	21	21	15				
ENG	368.5	WHI	Whitegate for Hawarden					13	18	11	21	21	14				
ENG	369.0	RCH	Rochester						18		21	12					
ENG	383.5	LE	Leicester						18		22	21	15				
ENG	386.0	BZ	Brize Norton								22	01					
ENG	391.5	EAS	Southampton / Eastleigh						18		22						
ENG	393.0	EMW	East Midlands						18		22		15				
ENG	397.0	LZD	Lydd						18		22		15				
ENG	402.5	LBA	Leeds / Bradford						18	11	22	21	14				
ENG	406.0	BHX	Birmingham						18	01	22	21	15				
ENG	414.0	BRI	Bristol / Filton						18	02	22	21	15				
ENG	421.0	BUR	Burnham						18	01	22	21	15				
ENG	423.0	CWL	Cranwell						18	11	22	21	15				
ENG	426.0	SH	Shobdon						18		22	21					
ENG	433.5	HEN	Henton						18	11	22	22	15				
ENG	850.0	CIT	Cranfield						18								
ESP	412.0	GRA	Granada														02
ESP	420.0	SPP	Sevilla / San Pablo														02
ESP	433.0	JER	Jerez														03
FIN	318.0	A	Sodankyla										20				
FIN	324.0	AS	Kemi / Tornio						23				20				
FIN	328.0	KIT	Kittila										20				
FIN	333.0	G	Kemi-Tornio / Marttala										20				
FIN	336.0	M	Mikkeli										20				
FIN	339.0	V	Kokkola / Kruunupyy										20				
FIN	344.0	L	Kittila / Hukkakumpu										20				
FIN	346.0	MI	Mikkeli / Korpikoski										20				
FIN	352.0	PSJ	Seinajoki										20				
FIN	354.0	G	Ivalo / Palotievanniemi										20				
FIN	364.0	B	Kittila / Pahtajanka										20				
FIN	365.0	VS	Tampere / Pirkkala / Vesilahti										20				
FIN	368.0	SK	Sodankyla / Sattanen										20				
FIN	373.0	KEM	Kemi-Tornio / Hirmula										20				
FIN	374.0	S	Mikkeli										20				
FIN	380.0	TOL	Ivalo / Tolo										20				
FIN	382.0	IJ	Ilmajoki										20				
FIN	388.0	KRU	Kokkola-Pietarsaari / Kruunupyy										20				
FIN	392.0	RAN	Lappeenranta / Ranta										20				
FIN	398.0	ESS	Kokkola-Pietarsaari / Kruunupyy / Esse										20				
FIN	401.0	JP	Joensuu / Marjosarkka														02
FIN	404.0	Y	Kemi-Tornio / Ketolanpera										20				
FIN	406.0	V	Ivalo / Pajkoski										20				
FIN	432.0	AKU	Ivalo / Akujarvi										20	00			
GEO	430.0	LU	Batumi													02	23
GEO	520.0	DF	Mukhrani				03									02	23
GRL	372.0	OZN	Prins Christian Sund / Kitaa							04		00				00	02





RUS	307.0	LA	Lazarevskoye		02															
RUS	335.0	FV	Venev							00						01				
RUS	408.0	KW	Krymsk					20												
RUS	430.0	AJ	Staritza													22				
RUS	435.0	ER	Yegorlykская					00												
RUS	475.0	PT	Petrovskoye					21								01				
RUS	478.0	MF	Larionovo													00				
RUS	507.0	ND	Bolshevik					19												
RUS	525.0	PL	Pulkovo / St.Petersburg							00										
RUS	591.0	RN	Penza							00										
RUS	745.0	BG	Karmanovo							20						19				
RUS	1080.0	AR	Buzharovo								20									
RUS	1285.0	SW	Savelovo							21						19				
RUS	1290.0	TU	Bely							21										
SAR	331.0	DEC	Decimomannu (CA)																23	
SCT	316.0	BRR	Barra																12	
SCT	331.0	GLW	Glasgow																12	
SCT	341.0	EDN	Edinburgh								20								12	
SCT	344.0	WCK	Wick																22	
SCT	348.0	ATF	Aberdeen / Dyce								21								22	
SCT	355.0	PIK	Prestwick																12	
SCT	368.0	UW	Edinburgh								21								12	
SCT	380.0	CBL	Campbeltown								22								12	
SCT	394.0	DND	Dundee																12	
SCT	395.0	LAY	Islay																12	
SCT	399.0	NGY	New Galloway for Prestwick																12	
SCT	401.0	BBA	Benbecula																12	
SCT	404.0	OBN	N. Connell / Oban																12	
SCT	431.0	SAY	Stornoway								22								23	
SCY	335.0	PAN	Pantelleria (TP)								23									
SCY	355.5	PAL	Palermo (PA)								01									
SRB	405.0	JST	Nis / Justic								23									
SRB	423.0	ZO	Nis / Zitoradja								00									
SRB	468.0	VTN	Kraljevo / Vitanovac								00									
SWE	390.0	PAJ	Pajala													02				
TUR	315.0	EN	Izmir / Adnan Merendes					00												
TUR	363.0	CIG	Izmir / Cigli / Kaklic					21			00					21				
UKR	600.0	KR	Tchervonobirka																21	
UKR	672.0	RS	Rashivka																20	
WLS	323.0	WPL	Welshpool																19	
WLS	340.0	HAW	Hawarden																20	
WLS	388.5	CDF	Cardiff																22	
ITU	QRG	ID	Name	CZE lk	CZE my	CZE ze	DEU bd	DEU hw	DEU je	ENG bs	ENG hh	ENG me	ENG px	ENG re	ENG yk	FIN jt	HOL rb	ITA wb	NOR g5	SCT ds

### COUNTRIES HEARD:

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

ITU	ITU_Name	CZE lk	CZE my	CZE ze	DEU bd	DEU hw	DEU je	ENG bs	ENG hh	ENG me	ENG px	ENG re	ENG yk	FIN jt	HOL rb	ITA wb	NOR g5	SCT ds
ALG	Algeria,		2			3	1								1			1
ATG	Antigua & Barbuda,														1			1
AZR	Azores,									2					3			1
BRI	Bear Island (Bjornoya),					1												
BUL	Bulgaria,									3	2	1	3		2		4	1
CAN	Canada, NL					3	2			2	3				5			2
CAN	Canada, NS					1				1		1			1			1

<b>CAN</b>	Canada, QC					1			1	1				2				
<b>CNR</b>	Canary Islands,								1					1				1
<b>CPV</b>	Cape Verde,		1			1	1		1	1	1		1	1				1
<b>CZE</b>	Czechia,	11	16	19														
<b>DEU</b>	Germany,				51	68	65											
<b>ENG</b>	England,							4	44	26	44	38	32					
<b>ESP</b>	Spain,																	3
<b>FIN</b>	Finland,								1					23				1
<b>GEO</b>	Georgia,		1			2												2
<b>GRL</b>	Greenland,					1				1		1						1
<b>GSY</b>	Guernsey,										1							
<b>HOL</b>	Netherlands,										1							12
<b>IOM</b>	Isle Of Man,										1							
<b>IRN</b>	Iran,					8												2
<b>ISL</b>	Iceland,					2	1											6
<b>ITA</b>	Italy,									2		1				37	1	
<b>JMY</b>	Jan Mayen,					1												1
<b>JSY</b>	Jersey,										1							
<b>LBY</b>	Libya,		1			2	2											1
<b>MDR</b>	Madeira,																	1
<b>MRC</b>	Morocco,						1					1						1
<b>NGR</b>	Niger,		1			1												1
<b>NIR</b>	Northern Ireland,								1		1							
<b>NOR</b>	Norway,																34	
<b>POR</b>	Portugal,		1			1	1			1								1
<b>PTR</b>	Puerto Rico, PR					1			1									1
<b>ROU</b>	Romania,								3	2		1						
<b>RUS</b>	Russia (European),		1			5			3	4	3	1						6
<b>SAR</b>	Sardinia,																	
<b>SCT</b>	Scotland,										5							14
<b>SCY</b>	Sicily,									2								
<b>SRB</b>	Serbia (Yugoslavia),									3								
<b>SWE</b>	Sweden,																	1
<b>TUR</b>	Turkey,					2			1									1
<b>UKR</b>	Ukraine,										2							
<b>WLS</b>	Wales,										3							
<b>ITU</b>	<b>ITU_Name</b>	<b>CZE lk</b>	<b>CZE my</b>	<b>CZE ze</b>	<b>DEU bd</b>	<b>DEU hw</b>	<b>DEU je</b>	<b>ENG bs</b>	<b>ENG hh</b>	<b>ENG me</b>	<b>ENG px</b>	<b>ENG re</b>	<b>ENG yk</b>	<b>FIN jt</b>	<b>HOL rb</b>	<b>ITA wb</b>	<b>NOR g5</b>	<b>SCT ds</b>

### LISTENING TIMES:

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

UTC (hh)	CZE lk	CZE my	CZE ze	DEU bd	DEU hw	DEU je	ENG bs	ENG hh	ENG me	ENG px	ENG re	ENG yk	FIN jt	HOL rb	ITA wb	NOR g5	SCT ds
00:00 - 00:59		2			9	2		10	8		7			7	3	17	
01:00 - 01:59		1		4	27	53			3		3			2		11	
02:00 - 02:59		4			4			3	2					7			5
03:00 - 03:59		1			5	2		2						1			1
04:00 - 04:59				1	1			1	5					16			2
05:00 - 05:59				1													
10:00 - 10:59					42									12	6		
11:00 - 11:59									22								
12:00 - 12:59	3	12		23							1						11
13:00 - 13:59				1			4										
14:00 - 14:59												6					
15:00 - 15:59												26					
16:00 - 16:59			3	4											8		



17:00 - 17:59			8	1				15								4		
18:00 - 18:59		1		2	4			30								5		
19:00 - 19:59		2	7	2	2	14					9				2			
20:00 - 20:59	2	1	1	2	1	2		1			21	12		23				
21:00 - 21:59	4			9	4			1	3		15	16				3		
22:00 - 22:59	2			1	2			1	1		18	8				2	6	
23:00 - 23:59					3	1		1	4			2				2	11	
UTC (hh)	CZE lk	CZE my	CZE ze	DEU bd	DEU hw	DEU je	ENG bs	ENG hh	ENG me	ENG px	ENG re	ENG yk	FIN jt	HOL rb	ITA wb	NOR g5	SCT ds	
Totals	11	24	19	51	104	74	4	65	48	63	49	32	23	55	37	39	30	

### NDB COUNTS, BY FREQUENCY:

and the number logged by all on each frequency, ignoring offsets:

QRG	CZE lk	CZE my	CZE ze	DEU bd	DEU hw	DEU je	ENG bs	ENG hh	ENG me	ENG px	ENG re	ENG yk	FIN jt	HOL rb	ITA wb	NOR g5	SCT ds
220.0														1			
245.0					1												
258.0		1	1													1	
258.5																	
260.0					1												
263.0					1			1			1			1			1
268.0		1			1												
274.0		1			1	1		1	1	1	1			1			1
276.0					1			1	1		1			1			
277.0								1	1	1	1	1					
280.0					1	1		1	1					1			1
282.0						1					1			1			
284.0				1	1	1		1	1	1	1					1	1
284.5																1	
285.0															1		
286.0					1	1											
292.0					1	1									1		
293.0		1			1									1			
297.0				1	1	1											
299.0				1	1	1											
299.5																1	
300.0	1	1	1		1												
300.5				1	1												
301.5															2		
303.0																1	
307.0		1															
309.0				1	1	1											
311.0				2	3	3											
312.0											1				1		
315.0				1	2	1											
316.0					1			1	1	1	1	1					1
317.0																1	
318.0				1	2	2	1	1	1	1	1	1	1				
319.0																1	
320.0				1	1	1										1	
321.0				1	1	1								1			
322.0								1		1	1						
323.0				1	1	1		1	1	2	1	1					
324.0								1					1			1	
325.0				1					1		1				1		



371.0				1	1	1										1	2		
372.0	1	1	1	1	2	1			1		1			1	1	1	1	1	1
373.0																			
374.0				1	1	1							1	1			1		
374.5																			
375.0					1	1													
376.0				1	2	1			1										
376.5																	1		
378.0																	1		
379.0																2	1		
380.0									1	1			1	1		1	1		2
381.0																1	1		
382.0				1	1	1							1			1	1		
383.0									1							1	1		
383.5									1	1	1	1				1	1		
385.0					1														
386.0	1	1	1						1	1					1	1			
387.0					1	1													
388.0													1						
388.5										1						1			
389.0			1		1	1										2	1		
390.0														2		1			
391.0					1				1					1					
391.5										1									
392.0				1	2	1							1		1				
392.5															1				
393.0					1				1				1					1	
394.0				1	1	1										1			1
395.0					1										2				1
396.0														1		1			1
397.0									1				1		1				
398.0														1		1			
399.0				1	1	1										1			1
400.0				1	1	1										1			
400.5																1			
401.0									1							1			2
402.5								1	1	1	1	1							
404.0														1					1
404.5															1				
405.0				1	1	1			1										
406.0				1	1	1			1	1	1	1			1				
406.5				1	1	1													
407.0				1	1	1													
408.0					1														
412.0																			1
413.0																1			
413.5				1	1	1													
414.0									1										
415.0				1	1	1			1	1	1	1							
416.0	1	2	2																
417.0				1	1	1										1			
418.0																1			
419.0				1	1														
420.0																1			1
421.0									1	1	1	1				1			
422.0			1	1															
423.0																1			
425.0				1	1	1			2	1	1	1				1			

426.0				1				1		1							
427.0				1	1	1											
428.0																	
429.0					2	2											
430.0					1				1								
431.0					1	1											1
432.0	1	1	1							1			1	1			1
433.0																	1
433.5								1	1	1	1	1					
434.0	1	1	1														
435.0		1			3	1											
438.0	1	1	1														
448.0	1		1														
450.0								1									1
452.0				1	1	1											
468.0				1	1	1			1								
475.0					1											1	
478.0																1	
484.0				1	1	1											
488.0				1	1	1											
489.0				1	1	1											
490.0									1								1
492.0	1	1	1								1						
507.0					1												
514.5	1	1	1														
520.0		1			1											1	
521.0								1				1					
525.0								1									
534.0			1														
563.0		1	1														
591.0								1									
600.0										1							
672.0										1							
745.0								1								1	
850.0								1									
888.0			1														
1080.0									1		1						
1285.0									1							1	
1290.0									1		1						
QRG	CZE lk	CZE my	CZE ze	DEU bd	DEU hw	DEU je	ENG bs	ENG hh	ENG me	ENG px	ENG re	ENG yk	FIN jt	HOL rb	ITA wb	NOR g5	SCT ds

**MOB:**

The following NDBs were heard by one reporter only - 'Mine Only Beacons' !  
(Occasionally an entry may be the result of an incorrectly received ident)

QRG	ID	Name	ITU	Reporter	UTC
325.0	DP	Diepholz	DEU	DEU bd	0420
426.0	MIQ	Mike for Ingolstadt	DEU	DEU bd	2124
412.0	GRA	Granada	ESP	SCT ds	0244
420.0	SPP	Sevilla / San Pablo	ESP	SCT ds	0248
433.0	JER	Jerez	ESP	SCT ds	0309
401.0	JP	Joensuu / Marjosarkka	FIN	SCT ds	0252
331.0	DEC	Decimomannu (CA)	SAR	SCT ds	2319
316.0	BRR	Barra	SCT	SCT ds	1201
331.0	GLW	Glasgow	SCT	SCT ds	1202
344.0	WCK	Wick	SCT	SCT ds	2258

355.0	PIK	Prestwick	SCT	SCT	ds	1206
394.0	DND	Dundee	SCT	SCT	ds	1208
395.0	LAY	Islay	SCT	SCT	ds	1210
399.0	NGY	New Galloway for Prestwick	SCT	SCT	ds	1210
401.0	BBA	Benbecula	SCT	SCT	ds	1212
404.0	OBN	N. Connell / Oban	SCT	SCT	ds	1213
258.5	MO	Molde / Aro	NOR	NOR	g5	2307
284.5	LVK	Namsos / Leirvika	NOR	NOR	g5	2316
299.5	KN	Svolvaer / Helle / Skrova	NOR	NOR	g5	2319
303.0	KPG	Sogndal / Haukasen / Kaupanger	NOR	NOR	g5	2321
317.0	STT	Bodo / Stott	NOR	NOR	g5	2326
319.0	VAR	Stavanger / Sola / Varhaug	NOR	NOR	g5	2331
320.0	IL	Bodo / Ilstad	NOR	NOR	g5	2332
324.0	HE	Notodden / Heddal	NOR	NOR	g5	2333
326.0	FSK	Fauske	NOR	NOR	g5	2337
329.0	NMS	Namsos	NOR	NOR	g5	2343
336.0	RS	Roros	NOR	NOR	g5	2358
342.0	LL	Leirin / Fagernes	NOR	NOR	g5	0011
345.0	BN	Kristiansand / Kjevik / Birkeland	NOR	NOR	g5	0018
345.0	STM	Strommen / Mo I Rana	NOR	NOR	g5	0020
348.0	SAD	Leknes / Sandsund	NOR	NOR	g5	0022
349.0	TAR	Orland / Tarva	NOR	NOR	g5	0023
358.0	GRK	Trondheim / Vaernes / Grakallen	NOR	NOR	g5	0032
360.0	ASK	Bergen / Flesland / Askoy	NOR	NOR	g5	0035
360.0	ULV	Bronnoysund / Ulvingen	NOR	NOR	g5	0035
362.0	BVK	Orsta-Volda / Hovden / Baatvik	NOR	NOR	g5	0036
366.0	UTH	Orland / Uthaug	NOR	NOR	g5	0040
369.0	STG	Stegen	NOR	NOR	g5	0045
371.0	BRS	Bremsnes for Kristiansund / Kvernberget	NOR	NOR	g5	0047
371.0	HAA	Hamar / Stafsberg	NOR	NOR	g5	0048
372.0	ODR	Kristiansand / Kjevik / Odderoy	NOR	NOR	g5	0052
374.0	BL	Forde / Bringeland	NOR	NOR	g5	0055
378.0	RSY	Stavanger / Sola / Rennesoy	NOR	NOR	g5	0058
380.0	FLR	Trondheim / Vaernes / Flornes	NOR	NOR	g5	0100
381.0	RG	Rygge / Tune	NOR	NOR	g5	0102
393.0	TAT	Molde / Aro / Tautra	NOR	NOR	g5	0117
396.0	YG	Rygge / Enge	NOR	NOR	g5	0117
401.0	RBU	Roros / Rambu	NOR	NOR	g5	0120
404.0	VNG	Vangsnes	NOR	NOR	g5	0127
414.0	HD	Sandnessjoen / Stokka / Hestad	NOR	NOR	g5	0128
376.0	HIE	Valverde / El Hierro	CNR	ENG	hh	0217
850.0	CIT	Cranfield	ENG	ENG	hh	1821
349.0	OPE	Bucuresti / Otopeni	ROU	ENG	hh	2209
525.0	PL	Pulkovo / St.Petersburg	RUS	ENG	hh	0056
591.0	RN	Penza	RUS	ENG	hh	0054
435.0	IGZ	In Guezzam	ALG	DEU	hw	0135
316.0	BJO	Bjornoya / Bear Isl	BRI	DEU	hw	0053
341.0	ALG	Memmingen / Allgau	DEU	DEU	hw	0153
260.0	RAF	Rafsanjan	IRN	DEU	hw	0141
337.0	IFN	Esfahan / Shahid Beheshti Intl	IRN	DEU	hw	2334
355.0	ARB	Ardabil	IRN	DEU	hw	2202
370.0	UMH	Uromiyeh	IRN	DEU	hw	0040
376.0	SKD	Shahre Kord	IRN	DEU	hw	2346
385.0	MSD	Mashhad	IRN	DEU	hw	0112
245.0	NG	Nizhny Novgorod / Strigino	RUS	DEU	hw	2257
408.0	KW	Krymsk	RUS	DEU	hw	2057
435.0	ER	Yegorlykskaya	RUS	DEU	hw	0055
507.0	ND	Bolshevik	RUS	DEU	hw	1901

315.0 EN	Izmir / Adnan Merendes	TUR	DEU	hw	0050
318.0 A	Sodankyla	FIN	FIN	jt	2041
328.0 KIT	Kittila	FIN	FIN	jt	2042
333.0 G	Kemi-Tornio / Marttala	FIN	FIN	jt	2034
336.0 M	Mikkeli	FIN	FIN	jt	2036
339.0 V	Kokkola / Kruunupyy	FIN	FIN	jt	2036
344.0 L	Kittila / Hukkakumpu	FIN	FIN	jt	2021
346.0 MI	Mikkeli / Korpikoski	FIN	FIN	jt	2022
352.0 PSJ	Seinajoki	FIN	FIN	jt	2023
354.0 G	Ivalo / Palotievanniemi	FIN	FIN	jt	2043
364.0 B	Kittila / Pahtajanka	FIN	FIN	jt	2048
365.0 VS	Tampere / Pirkkala / Vesilahti	FIN	FIN	jt	2024
368.0 SK	Sodankyla / Sattanen	FIN	FIN	jt	2025
373.0 KEM	Kemi-Tornio / Hirmula	FIN	FIN	jt	2025
374.0 S	Mikkeli	FIN	FIN	jt	2026
380.0 TOL	Ivalo / Tolo	FIN	FIN	jt	2026
382.0 IJ	Ilmajoki	FIN	FIN	jt	2027
388.0 KRU	Kokkola-Pietarsaari / Kruunupyy	FIN	FIN	jt	2027
392.0 RAN	Lappeenranta / Ranta	FIN	FIN	jt	2028
398.0 ESS	Kokkola-Pietarsaari / Kruunupyy / Esse	FIN	FIN	jt	2028
404.0 Y	Kemi-Tornio / Ketolanpera	FIN	FIN	jt	2029
406.0 V	Ivalo / Pajakoski	FIN	FIN	jt	2029
428.0 TGM	Targu Mures / Vidrasau	ROU	ENG	me	2327
335.0 PAN	Pantelleria (TP)	SCY	ENG	me	2326
355.5 PAL	Palermo (PA)	SCY	ENG	me	0106
405.0 JST	Nis / Justic	SRB	ENG	me	2329
423.0 ZO	Nis / Zitoradja	SRB	ENG	me	0005
468.0 VTN	Kraljevo / Vitanovac	SRB	ENG	me	0036
307.0 LA	Lazarevskoye	RUS	CZE	my	0226
383.0 ALD	Alderney	GSY	ENG	px	2216
359.0 RWY	Isle Of Man / Ronaldsway	IOM	ENG	px	2148
329.0 JW	Jersey	JSY	ENG	px	2006
600.0 KR	Tchervonobirka	UKR	ENG	px	2120
672.0 RS	Rashivka	UKR	ENG	px	2047
323.0 WPL	Welshpool	WLS	ENG	px	1943
340.0 HAW	Hawarden	WLS	ENG	px	2043
388.5 CDF	Cardiff	WLS	ENG	px	2221
369.0 ZDX	Coolidge Saint Johns	ATG	HOL	rb	0729
351.0 PD	Ponta Delgada	AZR	HOL	rb	0435
321.0 BU	Burgas	BUL	HOL	rb	2302
220.0 BX	Blanc Sablon / Lourdes de Blanc Sablon	CAN	HOL	rb	0745
390.0 JT	Stephenville	CAN	HOL	rb	0138
396.0 JC	Rigolet	CAN	HOL	rb	0439
330.0 SO	Eelde / Groningen	HOL	HOL	rb	1003
332.0 NV	Amsterdam / Schiphol	HOL	HOL	rb	1004
350.5 ROT	Rotterdam	HOL	HOL	rb	1005
357.0 VZ	Eelde / Groningen	HOL	HOL	rb	1006
369.0 PS	Rotterdam Locator	HOL	HOL	rb	1010
373.0 NW	Maastricht / Beek	HOL	HOL	rb	1011
383.5 GUL	Gulpen	HOL	HOL	rb	1012
386.0 STD	Stad Aan Het Haringvliet	HOL	HOL	rb	1012
388.5 CH	Amsterdam / Schiphol	HOL	HOL	rb	1013
395.0 OA	Amsterdam / Schiphol / Assendelft	HOL	HOL	rb	1014
397.0 EHN	Eindhoven	HOL	HOL	rb	1015
404.5 RR	Rotterdam Locator	HOL	HOL	rb	1016
330.0 RF	Rif	ISL	HOL	rb	0420
334.0 AR	Akureyi	ISL	HOL	rb	0210
340.0 GJ	Gjogur	ISL	HOL	rb	0350

351.0 BL	Blonduos	ISL	HOL	rb	0401
355.0 RK	Reykjavik	ISL	HOL	rb	0400
430.0 AJ	Staritza	RUS	HOL	rb	2250
478.0 MF	Larionovo	RUS	HOL	rb	0029
390.0 PAJ	Pajala	SWE	HOL	rb	0207
312.0 BOZ	Bozhurishte	BUL	ENG	re	2359
285.0 URB	Roma / Urbe (RM)	ITA	ITA	wb	2236
292.0 NOV	Novara (NO)	ITA	ITA	wb	1019
301.5 CMP	Campagnano (RM)	ITA	ITA	wb	2101
301.5 TRE	Treviso (TV)	ITA	ITA	wb	1020
312.0 TAQ	Tarquinia (VT)	ITA	ITA	wb	2154
327.0 OST	Roma / Ostia (RM)	ITA	ITA	wb	2223
330.0 SRN	Saronno (VA)	ITA	ITA	wb	1029
333.5 VOG	Voghera (PV)	ITA	ITA	wb	1030
343.0 GRA	Grazzanise (CE)	ITA	ITA	wb	2216
345.0 TZO	Trezzo sull'Adda (MI)	ITA	ITA	wb	1036
350.0 BLA	Cerrione (BI)	ITA	ITA	wb	1039
357.5 FAL	Falconara Marittima (AN)	ITA	ITA	wb	0003
357.0 CAS	Caselle Torinese (TO)	ITA	ITA	wb	1627
364.0 MAL	Gallarate / Malpensa (VA)	ITA	ITA	wb	1629
371.0 LEV	Savigliano / Levaldigi (CN)	ITA	ITA	wb	1632
374.5 ANC	Ancona (AN)	ITA	ITA	wb	1819
376.5 ORI	Orio al Serio (BG)	ITA	ITA	wb	1635
379.0 PIS	Pisa (PI)	ITA	ITA	wb	1830
379.0 VEN	Venezia (VE)	ITA	ITA	wb	1640
382.0 GAZ	Gazoldo degli Ippoliti (MN)	ITA	ITA	wb	1644
386.0 LNE	Milano / Linate (MI)	ITA	ITA	wb	1647
390.0 AVI	Aviano (PN)	ITA	ITA	wb	1837
392.5 TOP	Torino / Poirino (TO)	ITA	ITA	wb	1658
396.0 RON	Ronchi dei Legionari (GO)	ITA	ITA	wb	0012
398.0 PRU	Perugia / San Egidio	ITA	ITA	wb	1841
400.5 COD	Codogno (LO)	ITA	ITA	wb	1703
400.0 TEA	Teano (CE)	ITA	ITA	wb	1844
413.0 BOA	Bologna (BO)	ITA	ITA	wb	1711
417.0 VIC	Vicenza (VI)	ITA	ITA	wb	2251
418.0 SVC	Aosta	ITA	ITA	wb	2237
420.0 ABN	Albenga (SV)	ITA	ITA	wb	1717
421.0 FN	Fiumicino (RM)	ITA	ITA	wb	2248
423.0 FOR	Forli (FC)	ITA	ITA	wb	0029
425.0 MMP	Gallarate / Malpensa (VA)	ITA	ITA	wb	1719
534.0 R	Ostrava / Mosnov / Rada	CZE	CZE	ze	1918
888.0 P	Pardubice	CZE	CZE	ze	1713

## FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

THEN  
NOW

CLE187 - 190 - 1740 kHz - 24.10. - 27.10.2014

CLE222 - 190 - 1740 kHz - 25.08. - 29.08.2017

Listener	Av km		Total km x 1000		NDBs		Max km	
	THEN	NOW	THEN	NOW	THEN	NOW	THEN	NOW
CZE my	1686	1048	62	25	37	24	4955	4892
CZE ze	991	151	28	3	28	19	5074	246
DEU bd	380	244	29	12	75	51	2324	436
DEU hw	1705	1325	222	138	130	104	7523	7523

DEU je	1019	686	84	51	82	74	7463	5003
ENG hh	1546	1040	172	68	111	65	6821	6712
ENG me	1880	1344	205	65	109	48	7085	4639
ENG px	816	473	51	30	62	63	6728	4472
ENG re	170	757	8	37	45	49	448	4472
FIN jt	3127	445	125	10	40	23	8231	818
HOL rb	2780	2474	192	136	69	55	7041	7041
SCT ds	706	1537	11	46	16	30	2118	4604
<b>Averages:</b>	1400	960	99	52	67	50	5484	4238
<b>% Increase:</b>		-31		-48		-25		-23

Listener	Av km		Total km x		NDBs		Max km	
	THEN	NOW	1000	1000	THEN	NOW	THEN	NOW
CZE lk		132		1		11		250
ENG bs		30		0		4		51
ENG yk		192		6		32		366
ITA wb		280		10		37		945
NOR g5		686		27		39		2201
<b>Averages:</b>		264		9		25		763
<b>% Increase:</b>								

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  
(UNIDs are not included)

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 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.