

**NDB LIST CLE No. 210 260-269.9 kHz and 440+ kHz 26 - 29 Aug. 2016, midday-midday local time**

**COMBINED RESULTS  
EUROPE**

For overall statistics, please see the covering email.

**Reporters:**

CZE	<b>my</b>	Milos Holy, Lhota pod Radcem
CZE	<b>ze</b>	Zdenek Elias, Jablonec nad Nisou, N. Bohemia
DEU	<b>bd</b>	Bernhard Hein, Dessau-Roßlau
DEU	<b>hw</b>	Hartmut Wolff, Near Wolfsburg
DEU	<b>je</b>	Joachim Rabe, Norderstedt, north of Hamburg
ENG	<b>ag</b>	Alan Gale, Whitworth, Lancashire
ENG	<b>bk</b>	Brian Keyte, Bookham, Surrey
ENG	<b>hh</b>	Brian Heath, Stapleton, Leicestershire
ENG	<b>mt</b>	Mike Trodd, Yapton, near Arundel, W Sussex
FIN	<b>ro</b>	Raimo Karjalainen, Laukaa, near Jyvaskyla
HOL	<b>rb</b>	Roelof Bakker, Middelburg, Zeeland
ITA	<b>sp</b>	Stefano Paolini, Vimodrone
ITA	<b>wb</b>	William G Buchanan, Alessandria
NOR	<b>g5</b>	Geir Laastad, While at Treungen (Telemark)
SCT	<b>ds</b>	David Atkins, Tighnabraich, 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**

UNIDs and Offshore NDBs appear at the end of the list.

The numbers shown within the table are the times in 'hh' UTC that the beacons were logged.

(e.g. 00 indicates logged between 00:00-00:59 UTC).

Cou	kHz	Call	Location	CZE my	CZE ze	DEU bd	DEU hw	DEU je	ENG ag	ENG bk	ENG hh	ENG mt	FIN ro	HOL rb	ITA sp	ITA wb	NOR g5	SCT ds
ALG	268	ZAR	Zarzitine	01			00											
ALG	510	BL	Blida	01	21					02		21		01				
BIH	445	TU	Tuzla	18	21	19	20	21			22			23				
BLR	635	GH	Minsk 2				21						19					
BLR	789	OW	Osovtsy	21														
BUL	450	PDV	Plovdiv	18	21	22	20	21				20		23			00	
BUL	490	WAK	Vakarel	20	18	20	19	21			22	20		19			01	
BUL	537	P	Plovdiv				21	21										
CAN	263	QY	Sydney, NS				00	01	03	01		03		00				00
CZE	448	HLV	Holesov	14	21	17	20	21		21	21	20		23			02	01
CZE	492	TBV	Moravska Trebova	14	22	17	19	21	03	20	21	20		20			03	01
CZE	514.5	LA	Namest nad Oslavou		18	18												
CZE	534	R	Ostrava Mosnov Rada	21	18	18	19	21										
CZE	563	XU	Namest nad Oslavou	01	18	17	19	22										
CZE	715	C	Caslav		23	21	19	21										
CZE	888	P	Pardubice		00	20	18	23										
DEU	448	LQ	Landsberg		21	20												
DEU	452	ANS	Ansbach	19	23	19	20	22	02	20	21	20		19			02	00
DEU	468	FTZ	Fritzlar	19	22	11	20	19	02	20	19	19		20			02	00
DEU	484	HOF	Hof	20	19	11	20	23			23			22			03	
DEU	488	ILM	Illesheim	00	23	11	20	22		20	19	20		19			01	00
DEU	489	SIL	Siegen Siegerland		23													
ENG	476.2	G3WCB	(Amateur) Dartmouth									23						
ENG	850	CIT	Cranfield							11	18							
EST	514	GO	Amari Air base	20	22	21	19	21		22	21		18	23			01	01
FIN	473.6	OH1LSQ	(Amateur) near Vaasa	21			01		02				20	21			02	00
GEO	477	TIG	Kutaisi				22											
HNG	456	SEG	Szeged	19			22							23				
HNG	517	JBR	Jaszbereny	20	22	20	19	19			21	21		00				01
HNG	522	PQ	Nyiregyhaza	20			19	22						01				
HRV	265	KAV	Pula Kavran	00	20		20	00				21		01		21		
ITA	476.1	IQ2MI	(Amateur) Milano	19			03	00							22			







UKR	672	RS	Rashivka	20	18	18	19	20					21					
UKR	687	P	Dnepropetrovsk	20		18	20											
UKR	690	DM	Dmytrivka				20											
UKR	690	SR	Seredne		18	18	19											
UKR	732	KP	Kamianets Podolskyi										18					
UKR	733	ZK	Kiev Zhuliany	21	23	19	19	19					18					
UKR	735	KW	Koviahly		18	19	19	22										
UKR	749	QL	Kramatorsk				19											
UKR	778	GR	Krasnograd	21	18	19	19						19					
UKR	825	KB	Kiev Boryspil	21	19													
UKR	825	KE	Kiev Boryspil	21	23	19	18	21					21					
UKR	960	CY	Chervonyi		18	19	18											
UKR	1290	BO	Bohdanivka		18	18	18											
XOE	544	LF5A	Veslefrikk				23											
XOE	615	STB	Statfjord B	20	22	21	02	22					23					01
XUE	260	A.	(UNID)											21				
XUE	440	FEL	(UNID)				00											
XUE	452	T	(UNID)											22				
XUE	460	ABD	(UNID)				22						01					
XUE	520	AC	(UNID)								21							
XUE	570	DO	(UNID)	20		18	00											
XUE	610	D	(UNID)	20		18	19											
XUE	627	KYa	(UNID)				21											
XUE	714	YA	(UNID)				21											
XUF	470	BK	(UNID) ?Boufarik, ALG	00			22				22							
XUF	490	TFR	(UNID) ?Tafaroui, ALG		21													
Cou	kHz	Call	Location	CZE my	CZE ze	DEU bd	DEU hw	DEU je	ENG ag	ENG bk	ENG hh	ENG mt	FIN ro	HOL rb	ITA sp	ITA wb	NOR g5	SCT ds

**COUNTRIES HEARD:**

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

Cou	Country	CZE my	CZE ze	DEU bd	DEU hw	DEU je	ENG ag	ENG bk	ENG hh	ENG mt	FIN ro	HOL rb	ITA sp	ITA wb	NOR g5	SCT ds
ALG	Algeria	2	1		1			1		1		1				
BIH	Bosnia-Herzegovina	1	1	1	1	1			1		1					
BLR	Belarus	1			1											
BUL	Bulgaria	2	2	2	3	3			1	2		2			2	
CAN	Canada NS				1	1	1	1		1		1				1
CZE	Czech Rep.	4	7	7	6	6	1	2	2	2		2			2	2
DEU	Germany	4	6	5	4	4	2	3	4	3		4			4	3
ENG	England							1	1	1						
EST	Estonia	1	1	1	1	1		1	1		1	1			1	1
FIN	Finland	1			1		1				1	1			1	1
GEO	Georgia				1											
HNG	Hungary	3	1	1	3	2			1	1		3				1
HRV	Croatia	1	1		1	1				1		1		1		
ITA	Italy	1			1	1							1			
KAL	Kaliningrad	2	1	2	3	4					1	1				
KAZ	Kazakhstan	1			2											
LBY	Libya				1											
NOR	Norway	2			2	2	2	2		1		2			2	1
POL	Poland	6	8	6	6	6	3	4	3	2	1	5			6	5
ROU	Romania	4	4	3	5	3	1	2	2	2		3		2	4	
RUS	Russia (Eu)	14	8	13	52	15			1	1	24	3			5	
SRB	Serbia	4	3	3	4	3		1	2	3		4			2	
SVK	Slovakia	2	2	2	2	2						1				
UKR	Ukraine	9	12	15	17	4					5	1				
XOE	Offshore - Europe	1	1	1	2	1						1				1
XUE	UNID	2		2	6					1		1	2			
XUF	UNID	1	1		1					1						
Cou	Country	CZE my	CZE ze	DEU bd	DEU hw	DEU je	ENG ag	ENG bk	ENG hh	ENG mt	FIN ro	HOL rb	ITA sp	ITA wb	NOR g5	SCT ds

**LISTENING TIMES:**

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

UTC (hh)	CZE my	CZE ze	DEU bd	DEU hw	DEU je	ENG ag	ENG bk	ENG hh	ENG mt	FIN ro	HOL rb	ITA sp	ITA wb	NOR g5	SCT ds
00:00 - 00:59	10	2		13	5			1			4			2	7
01:00 - 01:59	6			5	1		2				4			8	7
02:00 - 02:59				3		6	3							11	
03:00 - 03:59				3		4			1		1			6	
04:00 - 04:59															
05:00 - 05:59															
06:00 - 06:59															
07:00 - 07:59															
08:00 - 08:59															
09:00 - 09:59															
10:00 - 10:59		1													
11:00 - 11:59			3				1								
12:00 - 12:59															
13:00 - 13:59															
14:00 - 14:59	2														
15:00 - 15:59															
16:00 - 16:59															
17:00 - 17:59			7												
18:00 - 18:59	4	14	20	11				1		15					
19:00 - 19:59	9	5	19	44	15			3	2	7	10			1	
20:00 - 20:59	23	3	9	24	4		8		7	8	4				
21:00 - 21:59	15	8	5	8	12		1	10	9	4	2	1	3		
22:00 - 22:59		16	1	12	14	1	3	2	3		3	2			1
23:00 - 23:59		11		5	9			2	1		11			1	1
UTC (hh)	CZE my	CZE ze	DEU bd	DEU hw	DEU je	ENG ag	ENG bk	ENG hh	ENG mt	FIN ro	HOL rb	ITA sp	ITA wb	NOR g5	SCT ds
Totals:	69	60	64	128	60	11	18	19	23	34	39	3	3	29	16

**NDB COUNTS, BY FREQUENCY:**

The number of NDBs logged by each reporter on each frequency and the number logged by all on each frequency, ignoring offsets:





2	495	1	1	1	2	1		1	1	1		1			1	
1	506				1											
1	508	1	1	1	1	1						1				
1	509			1												
2	510	1	2					1		1		1				
2	514	2	2	1	2	1		1	1		2	1			2	1
1	514.5		1	1												
2	515				2											
2	517	2	2	2	2	2	1	1	2	2		2		1	1	1
4	520	2	2	2	3	1				1		1			2	
1	521	1	1	1	1	1			1	1		1		1	1	
1	522	1			1	1						1				
1	525		1	1	1	1					1					
1	527				1											
1	534	1	1	1	1	1										
1	537				1	1										
1	544				1											
1	563	1	1	1	1	1										
1	570	1		1	1											
1	571	1	1	1	1	1										
2	580			1	1											
1	588	1			1											
1	591	1			1						1					
1	596				1	1					1					
2	598		1	2	1											
1	600		1	1	1											
1	610	1		1	1											
1	615	1	1	1	1	1						1				1
1	620				1						1					
1	627				1											
1	635				1						1					
1	640				1											
1	642				1						1					
1	643				1											
1	645		1													
2	659				2	1					1					
2	662			1	2	1										
1	668				1											
2	670				2											
1	672	1	1	1	1	1					1					
1	680				1	1										
2	687	1		2	2											
3	690		1	1	3											
2	694			1							1					

1	696				1														
1	705																		
1	714																		
1	715		1		1	1	1												
1	718	1			1	1						1							
1	730				1	1													
1	732																		
1	733	1	1		1	1	1	1											
1	735		1		1	1	1	1											
1	740																		
1	742		1		1														
1	745	1	1		1	1	1	1				1	1						1
1	749																		
1	770																		
1	777																		
1	778	1	1		1	1													
1	780																		
1	785																		
1	789	1																	
1	797																		
2	825	2	2		1	1	1	1											
1	832																		
1	840	1	1		1	1	1	1											
1	850											1	1						
1	852				1			1											
1	887																		
1	888		1		1	1	1	1											
1	900																		
1	920	1																	
2	930																		
1	932																		
1	940																		
1	960		1		1	1													
1	975				1	1	1	1											
1	995																		
1	1005																		
1	1020	1																	
1	1025																		
1	1055																		
1	1080	1	1																
1	1210																		
1	1215																		
1	1285	1	1		1														
2	1290	1	2		2	2	1					1							

<b>NDBs</b>	<b>kHz</b>	CZE my	CZE ze	DEU bd	DEU hw	DEU je	ENG ag	ENG bk	ENG hh	ENG mt	FIN ro	HOL rb	ITA sp	ITA wb	NOR g5	SCT ds
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### MOBs

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

(Occasionally an entry may be the result of an incorrectly received ident)

kHz	C/S	Location	Cou	Reporter	UTC
789	OW	Osovtsy	BLR	CZE my	21:05
480	AP	Anapa Vityazevo	RUS	CZE my	00:24
920	HZ	Primorsko Ahtarsk	RUS	CZE my	21:45
445	WS	Starokonstantinov	UKR	CZE my	20:24
489	SIL	Siegen Siegerland	DEU	CZE ze	23:59
494	NOW	Oknywie	POL	CZE ze	18:39
510	LJ	Gromovo	RUS	CZE ze	20:23
645	UO	Uzghorod	UKR	CZE ze	18:48
490	TFR	(UNID) ?Tafaroui, ALG	XUF	CZE ze	21:50
494	NWO	Oknywie	POL	DEU bd	18:34
694	QL	Algasovo	RUS	DEU bd	18:20
580	HS	Kacha	UKR	DEU bd	18:02
509	R	Chernivtsi	UKR	DEU bd	18:36
598	V	Ivano Frankovsk	UKR	DEU bd	18:50
477	TIG	Kutaisi	GEO	DEU hw	22:05
670	TA	Aktau	KAZ	DEU hw	00:05
470	WF	Wafa	LBY	DEU hw	00:00
659	LL	Bucharest Otopeni	ROU	DEU hw	23:50
463	YAN	Severomorsk-3	RUS	DEU hw	00:03
527	TE	Terbuny	RUS	DEU hw	00:12
995	DW	Nikolskoye	RUS	DEU hw	00:33
1005	LO	Klimovsk	RUS	DEU hw	00:35
932	KR	Krasnoarmeysk	RUS	DEU hw	01:03
770	B	Moscow Sheremetyevo	RUS	DEU hw	01:45

777	ST	Sirotnskaya	RUS	DEU	hw	01:48
1025	US	Muravlyanka	RUS	DEU	hw	18:38
785	M	Levashovo	RUS	DEU	hw	19:00
449	KU	Tver Migalovo	RUS	DEU	hw	19:09
515	NV	Rostov na Donu	RUS	DEU	hw	19:16
690	KM	Arkhangelsk Talagi	RUS	DEU	hw	19:17
668	N	Bryansk	RUS	DEU	hw	19:26
520	YUR	Shaykovka	RUS	DEU	hw	19:37
515	XS	Rostov na Donu	RUS	DEU	hw	19:54
780	N	Anapa Vityazevo	RUS	DEU	hw	19:55
940	Ya	Severomorsk-3	RUS	DEU	hw	20:22
740	RT	Ivanovo	RUS	DEU	hw	20:36
475	PT	Petrovskoye	RUS	DEU	hw	20:50
797	YUP	Buturlinovka	RUS	DEU	hw	20:50
506	GS	Engels-2	RUS	DEU	hw	21:16
705	PX	Perm Bolshoye Savino	RUS	DEU	hw	21:45
696	BT	Alatyr	RUS	DEU	hw	21:51
670	PB	Vologda Kipelovo	RUS	DEU	hw	22:10
662	UW	Kirovskoye	RUS	DEU	hw	22:17
643	RZ	Sharanga	RUS	DEU	hw	22:25
495	BP	Budennovsk	RUS	DEU	hw	23:00
640	O	Kiev Borispol	UKR	DEU	hw	00:06
749	QL	Kramatorsk	UKR	DEU	hw	19:04
580	KC	Kacha	UKR	DEU	hw	20:55
690	DM	Dmytrivka	UKR	DEU	hw	20:59
544	LF5A	Veslefrikk	XOE	DEU	hw	23:07
440	FEL	(UNID)	XUE	DEU	hw	00:21
714	YA	(UNID)	XUE	DEU	hw	21:46
627	KYa	(UNID)	XUE	DEU	hw	21:55
930	H	Chemyakhovsk	KAL	DEU	je	19:24
476.2	G3WCB	(Amateur) Dartmouth	ENG	ENG	mt	23:04
520	AC	(UNID)	XUE	ENG	mt	21:21
900	NE	Nerl	RUS	FIN	ro	18:26
1210	IO	Kirovsk Apatity	RUS	FIN	ro	18:54
1215	WT	Kartino	RUS	FIN	ro	18:58
832	PL	Olenya	RUS	FIN	ro	19:59
694	AL	Algasovo	RUS	FIN	ro	20:02
1055	IN	Sukhotino	RUS	FIN	ro	21:23

732	KP	Kamianets Podolskyi	UKR	FIN	ro	18:41	
260	A.	(UNID)	XUE	ITA	sp	21:25	
452	T	(UNID)	XUE	ITA	sp	22:20	

### TABs

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

### FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

**THEN:** CLE191 260-269.9 and 440+ kHz 20 - 23 Feb 2015  
**NOW:** CLE210 260-269.9 and 440+ kHz 26 - 29 Aug 2016

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
DEU je		1219		73		60		4870
ENG ag		1553		17		11		4101
ENG mt		1578		33		21		4285
ITA sp		13		0		1		13
ITA wb		913		3		3		1354
NOR g5		1337		39		29		2196
<b>Averages:</b>		1102		27		21		2803

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 my	987	1105	72	73	73	66	2709	4750
CZE ze	757	793	49	47	65	59	1622	1863
DEU bd	1087	1076	80	67	74	62	2866	3020

<b>DEU hw</b>	1667	1567	277	190	166	121	5474	4951
<b>ENG bk</b>	1543	1415	57	25	37	18	4286	4286
<b>ENG hh</b>	1794	1464	75	28	42	19	4182	2356
<b>FIN ro</b>	1240	985	47	33	38	34	2128	1527
<b>HOL rb</b>	1760	1397	109	53	62	38	4851	4542
<b>SCT ds</b>	929	1622	8	26	9	16	1927	3864
<b>Averages:</b>	1307	1269	86	60	63	48	3338	3462
<b>% Increase:</b>		-3		-30		-23		4

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.