

**NDB LIST CLE No. 233**

**335 - 349,9 kHz 22.06.2018 - 25.06.2018**

**COMBINED RESULTS  
EUROPE**

For overall statistics, please see the covering email.

**Reporters:**

<b>CZE</b>	k9	Jan Kraus (CZE), via remote Rx at Slatina (CZE/DEU border)
<b>CZE</b>	my	Milos Holy, Lhota pod Radcem
<b>CZE</b>	ze	Zdenek Elias, Jablonec nad Nisou, N. Bohemia
<b>DEU</b>	bd	Bernhard Hein, Dessau-Roßlau
<b>DEU</b>	h4	Hubert Ott (DEU), via KiwiSDR at DL2SBA
<b>DEU</b>	hw	Hartmut Wolff, Near Wolfsburg
<b>DEU</b>	je	Joachim Rabe, Norderstedt, north of Hamburg
<b>ENG</b>	bk	Brian Keyte, Bookham, Surrey
<b>ENG</b>	hh	Brian Heath, Stapleton, Leicestershire
<b>ENG</b>	pt	John Pitty, Horsham, West Sussex
<b>ENG</b>	px	Peter Greatorex, Bolsover, Derbyshire
<b>ENG</b>	yk	Dave Robson, York
<b>FIN</b>	ro	Raimo Karjalainen, Laukaa, near Jyvaskyla
<b>HOL</b>	rb	Roelof Bakker, Middelburg, Zeeland
<b>ITA</b>	ed	Edoardo Nicoletti, Bari
<b>ITA</b>	wb	William G Buchanan, Alessandria
<b>NOR</b>	g5	Geir Laastad, While at Sandbu, Treungen (Telemark)
<b>SCT</b>	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).

Cou, S/P	QRG	ID	Name	CZE k9	CZE my	CZE ze	DEU bd	DEU h4	DEU hw	DEU je	ENG bk	ENG hh	ENG pt	ENG px	ENG yk	FIN ro	HOL rb	ITA ed	ITA wb	NOR g5	SCT ds
<b>ALG</b>	342.0	OA	Algiers / Houari Boumedienne						01	02											01
<b>BAL</b>	344.0	MN	Menorca		20	21			00	01		01	22	21	22		22				22
<b>BIH</b>	340.0	BLK	Banja Luka	19	20	20	20	23	21	00		22		22	01		23	23	21		
<b>CAN, QC</b>	340.0	YY	Mont Joli									02					02				
<b>COR</b>	341.0	IS	Ajaccio / Campo del Oro	21	01	20		01	01	02	22	22	22				23		10		01
<b>CZE</b>	345.5	CF	Caslav / Chotusice / Centograf	21	20	20	13	19	21	00		22	21	22	22		23	22	21	00	22
<b>DEU</b>	337.0	LHR	Lahr / Schwarzwald		00	20		11	23	00		22					23				23
<b>DEU</b>	338.0	MNW	Munchen	21	20	20	20	11	01	01							00		21		
<b>DEU</b>	339.0	HOS	Hamburg			20	21	01	21	10		22		21	01		23				
<b>DEU</b>	340.0	ZIG	Leipzig	21	20	14	13		21	10		22					23				

DEU	341.0	ALG	Memmingen / Allgau	21	01	21		11	00	01		23							
DEU	344.0	HN	Hohn	21	21	21	21		11	00	01		18	22	21	19			23
DEU	345.0	IGL	Ingolstadt	21	20	20		11	00	00		22						23	22
DNK	339.0	SD	Sindal							23	00								
DNK	346.0	AU	Stauning							00	00							23	
ENG	335.0	WCO	Westcott		01					22	01	11	18	16	19	19		10	12
ENG	337.0	EX	Exeter							23	22	11	18	16	19	01		23	23
ENG	337.0	WTN	Warton							22		11	18	16	19	19			12
ENG	338.0	FNY	Robin Hood / Doncaster / Finningley							23		11	18	16	19	19		10	23
ENG	339.0	BIA	Bournemouth		01					23	01	11	18	16	19	02			22
ENG	340.0	LSH	Lashenden / Headcorn							22		11	18	16	20	23		10	
ENG	342.5	NWI	Norwich		01					23	01	11	18	16	19	19		10	22
ENG	343.0	YVL	Yeovil / Westland							00		11	18	16	19	02			00
ENG	345.0	LUT	London / Luton							01		11	18	16	19	02		10	
ENG	347.0	NQY	Newquay							00	01	11	18	23	20	20		23	12
ENG	347.5	TD	Teeside							21		11	18		20	19		10	00
ENG	348.0	FOS	Fairoaks							01		11	18	16	20			10	
ENG	349.5	LPL	Liverpool							22			18		20	19			
ESP	335.0	TON	Torralba de Aragon		00	21				21	02			21	22			23	22
ESP	340.0	PND	Valencia / Pinedo								02								
FIN	339.0	V	Kokkola / Kruunupyy							23								21	
FIN	344.0	L	Kittila / Hukkakumpu															21	
FIN	346.0	MI	Mikkeli / Korpikoski							23	23							20	
FRA	338.0	GU	Brest / Guipavas									11		16					23
FRA	338.0	NC	Nice / Cote D'azur		01	20		01	01	01								20	
FRA	339.0	FG	Montpellier / Mediterranee		01	22			01	01		22	22					22	01
FRA	339.0	GI	Amiens / Glisy									11	23					10	
FRA	339.0	NE	Nancy / Essey	20		20		11											
FRA	341.0	AMB	Amboise							23		11	18	16	21			10	23
FRA	341.0	BZ	Biarritz / Bayonne / Anglet		00					01	00							00	23
FRA	342.0	VA	Vannes / Meucon							23	23	11	22	21				23	23
FRA	343.0	AR	Aurillac		01					00	01		22					23	22
FRA	343.0	MS	Marseille / Provence		01	20				00	01		23						00
FRA	345.0	CS	Carcassonne / Salvaza		01					01	01		00					22	00
FRA	345.0	LN	Lannion / Servel							01		11	18	16				22	00
FRA	346.0	CH	Chambery / Aix-Les-Bains		01	20		00	00	01			00					02	22
FRA	346.0	LHO	Le Havre / Octeville		01					00	00	11	18	16	19	02		10	22
FRA	346.0	OC	Cognac / Chateaubernard								02								02
FRA	347.0	CVT	Chalons / Vatry		01	20		00	00	01		11	22	16	20	01		10	00
FRA	348.0	CL	Cahors / Lalbenque		01					00	01		23		21			02	22
FRO	337.0	MY	Myggenaes		00	22	21	23	23	23			23	22		02		23	12
FRO	348.0	VG	Vagar							00								01	
HNG	343.0	TEST	Budapest / Ferihegy		01	21			00	01			01						
HNG	348.0	SVR	Sagvar	21	20	20		00	21	01			22		21			23	23 21
HRV	344.0	VAR	Varazdin		01					01	01		01						
HRV	348.0	ZK	Zadar							00	01		02					14	
IRL	339.0	OL	Shannon							23			22		22				01
IRN	337.0	IFN	Esfahan / Shahid Beheshti Intl							23									
IRN	346.0	BRD	Bojnurd							00									
ITA	335.0	RIM	Rimini (RN)							02	01								
ITA	340.0	FOG	Foggia (FG)		00	21		01	01	01			23		22			14	
ITA	342.0	PES	Pescara		00	21			00	00			01					14	21
ITA	343.0	GRA	Grazzanise (CE)		01	21		23	00	01			22	22				20	19 21
ITA	345.0	FW	Fiumicino (RM)		01	21			01	00			23						02

ITA	345.0	TZO	Trezzo sull'Adda (MI)			01	20					01						22		10			01
LTU	343.0	KUS	Kaunas / Karmelava	21	20	20			21	22		23			22			23	23				00
LUX	346.0	WLU	Luxembourg	19	01	21			19	21	02		22	22	22	01			10				00
MDR	338.0	PST	Porto Santo / Ilheu De Baixo							01	02			21					02				23
MNE	335.0	POD	Podgorica				21													19			
MNE	345.0	TAZ	Tivat						00	01			01							19			
MRC	345.0	CSD	Daouarat								02			01									
NOR	336.0	RS	Roros						23										23				
NOR	342.0	LL	Leirin / Fagernes		00	22	01		23	23		23	22			02		23				00	
NOR	345.0	BN	Kristiansand / Kjevik / Birkeland		00	21			21	00		22	22			01		22				00	
NOR	349.0	TAR	Orland / Tarva						00									23					
POL	345.0	NB	Malbork	20	21	20			21	23			22										00
ROU	338.0	TIM	Timisoara			01	20		00	22			02					01					
ROU	349.0	OPE	Bucuresti / Otopeni			00	21		00	00			22					23					
RUS	335.0	FV	Venev				20		00	23							20						
RUS	342.0	PK	St.Petersburg				21																
RUS	345.0	DA	Tikhoretsk						23														
RUS	345.0	KO	Tikhoretsk			00																	
RUS	348.0	SW	Borisoglebsk						00														
SCT	341.0	EDN	Edinburgh											22			02						12
SCT	344.0	WCK	Wick						00	00		22		23			02		23				00
SCT	348.0	ATF	Aberdeen / Dyce						00	22		07			20	02		22					22
SCY	335.0	PAN	Pantelleria (TP)				21		21						21			20					
SRB	337.0	VRN	Vranje			00	20	21	00	23	01		23					00	19	22			
SRB	348.0	TPL	Topola	19	20	20	20		21	21		22			21	02		23	22	21			
SUI	335.0	BER	Bern / Belp			00	20		00	22	00	21	23					02		20			
SWE	335.0	NAK	Stockholm / Bromma / Nacka						00														
SWE	336.0	LT	Halmstad				20		21	00	22	01				02		21				23	
SWE	338.0	OA	Jonkoping			01			23	22		22				23		23				23	
SWE	341.0	NKS	Karlstad						23	00						23		22				00	
SWE	342.0	SL	Goteborg / Landvetter						23	23												00	
SWE	345.0	HT	Hagfors						23														
SWE	348.0	WA	Stockholm / Arlanda			01			00	23								23				00	
SWE	349.0	JX	Vaxjo / Kronoberg			01	21	01	21	21	22							23				00	
UKR	335.0	DP	Dnipopetrovsk			00																	
UKR	335.0	DR	Dnipopetrovsk						00														
UKR	348.0	OD	Odessa / Central						21														
UKR	348.0	OE	Odessa / Central	20					00														
WLS	340.0	HAW	Hawarden						02	01	11	18	16	19	19			10					12
XOE	340.0	ARN	Chevron / Alba Northern						22	22						00							
XOE	340.0	HEI	Heidrun			00			22														
XUE	335.0	TEST	(Leer)						00														
Cou, S/P	QRG	ID	Name	CZE k9	CZE my	CZE ze	DEU bd	DEU h4	DEU hw	DEU je	ENG bk	ENG hh	ENG pt	ENG px	ENG yk	FIN ro	HOL rb	ITA ed	ITA wb	NOR g5	SCT ds		

## COUNTRIES HEARD:

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

Cou	Cou-Name	CZE k9	CZE my	CZE ze	DEU bd	DEU h4	DEU hw	DEU je	ENG bk	ENG hh	ENG pt	ENG px	ENG yk	FIN ro	HOL rb	ITA ed	ITA wb	NOR g5	SCT ds			
ALG	Algeria						1	1														1
BAL	Balearic Islands		1	1			1	1		1	1	1	1		1							1



10:00 - 10:59							3								13		2		
11:00 - 11:59					5				20										6
12:00 - 12:59				2															
13:00 - 13:59			1													3			
14:00 - 14:59																			
15:00 - 15:59																			
16:00 - 16:59										16									
17:00 - 17:59																			
18:00 - 18:59									18										
19:00 - 19:59	3				2							10	8			4			
20:00 - 20:59	3	9	22	3								7	1	2	2	2	2		
21:00 - 21:59	8	2	16	4		17	2	1	1	4	7	7		1	9	2	8		
22:00 - 22:59			3			7		6	21	7	7	2		2		3			10
23:00 - 23:59					3	21	8		11	2			3		25	3		2	9
UTC (hh)	CZE k9	CZE my	CZE ze	DEU bd	DEU h4	DEU hw	DEU je	ENG bk	ENG hh	ENG pt	ENG px	ENG yk	FIN ro	HOL rb	ITA ed	ITA wb	NOR g5	SCT ds	
NDBs	14	49	42	11	20	92	69	27	64	29	31	32	4	60	12	15	11	40	

### NDB COUNTS, BY FREQUENCY:

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

NDBs	QRG	CZE k9	CZE my	CZE ze	DEU bd	DEU h4	DEU hw	DEU je	ENG bk	ENG hh	ENG pt	ENG px	ENG yk	FIN ro	HOL rb	ITA ed	ITA wb	NOR g5	SCT ds	NDBs
11	335.0		4	5		1	9	5	2	2	3	2	1	1	4	1	1		3	11
2	336.0			1			2	1	1	1			1		2			1		2
6	337.0		3	3	2	3	6	4	2	5	3	2	3		4	1	1		4	6
7	338.0	1	4	3	1	3	6	5	2	4	2	1	2		5		2	1	3	7
8	339.0	1	2	3	1	2	6	4	3	5	1	3	2	1	3				3	8
9	340.0	2	4	3	2	2	7	6	2	6	2	4	4		5	2	1		1	9
6	341.0	2	3	2		2	5	4	2	4	2	1	2		4		1	1	4	6
6	342.0		2	3	1		5	5	1	3	2	1	1		2	1	1	2	2	6
1	342.5		1				1	1	1	1	1	1	1		1				1	1
6	343.0	1	5	4		1	6	5	1	6	2	2	1		3	2	1	1	3	6
5	344.0		3	2	1		4	4	1	3	3	2	3	1	3				2	5
13	345.0	2	7	5		1	10	8	3	9	2	1	2		6	1	2	2	4	13
1	345.5	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
7	346.0	1	3	2		2	6	6	1	3	2	2	2	1	4		1		4	7
2	347.0		1	1		1	2	2	2	2	2	2	2		2		1		2	2
1	347.5						1	1	1	1		1	1		1				1	1
11	348.0	3	4	2	1	1	11	6	1	6	1	5	2		7	3	2	1	2	11
3	349.0		2	2	1		3	2	1	1					3			1		3
1	349.5						1			1		1	1							1
NDBs	QRG	CZE k9	CZE my	CZE ze	DEU bd	DEU h4	DEU hw	DEU je	ENG bk	ENG hh	ENG pt	ENG px	ENG yk	FIN ro	HOL rb	ITA ed	ITA wb	NOR g5	SCT ds	NDBs

### 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	SP	ITU	Rptr	UTC
335.0	DR	Dnipropetrovsk		UKR	hw	0002
335.0	NAK	Stockholm / Bromma / Nacka		SWE	hw	0002
335.0	TEST	(Leer)		XUE	hw	0052
337.0	IFN	Esfahan / Shahid Beheshti Intl		IRN	hw	2355
345.0	DA	Tikhoretsk		RUS	hw	2351
345.0	HT	Hagfors		SWE	hw	2351
346.0	BRD	Bojnurd		IRN	hw	0022
348.0	OD	Odessa / Central		UKR	hw	2157
348.0	SW	Borisoglebsk		RUS	hw	0025
340.0	PND	Valencia / Pinedo		ESP	je	0222
335.0	DP	Dnipopetrovsk		UKR	my	0013
345.0	KO	Tikhoretsk		RUS	my	0042
344.0	L	Kittila / Hukkakumpu		FIN	ro	2118
342.0	PK	St.Petersburg		RUS	ze	2118

## FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

THEN  
NOW

CLE218 - 335 - 349,9 kHz - 21.04.2017 - 24.04.2017  
 CLE233 - 335 - 349,9 kHz - 22.06.2018 - 25.06.2018

Listener	Av		Total		NDBs		Max	
	km	km	km x 1000	km x 1000	THEN	NOW	km	km
	THEN	NOW	THEN	NOW	THEN	NOW	THEN	NOW
CZE my	907	888	54	44	59	49	1886	2465
CZE ze	814	870	35	37	43	42	1813	1876
DEU hw	1021	1070	91	97	89	92	3953	3960
DEU je	821	1026	36	71	44	69	1951	3103
ENG bk	819	442	44	12	54	27	2133	1248
ENG hh	992	1028	62	66	62	64	4758	4588
ENG pt	651	591	27	17	42	29	2390	1858
ENG px	713	681	26	21	37	31	1886	1897
HOL rb	922	941	65	56	70	60	2609	4950
ITA wb	578	534	14	8	24	15	1570	1083
SCT ds	985	1054	43	42	44	40	2682	2680
<b>Averages:</b>	<b>838</b>	<b>830</b>	<b>45</b>	<b>43</b>	<b>52</b>	<b>47</b>	<b>2512</b>	<b>2701</b>
<b>% Increase:</b>		<b>-1</b>		<b>-5</b>		<b>-9</b>		<b>8</b>

Listener	Av		Total		NDBs		Max	
	km	km	km x 1000	km x 1000	THEN	NOW	km	km
	THEN	NOW	THEN	NOW	THEN	NOW	THEN	NOW
CZE k9		570		8		14		1404
DEU bd		706		8		11		1648
DEU h4		588		12		20		1828
ENG yk		633		20		32		1919
FIN ro		509		2		4		1147

ITA ed	500	6	12	1628
NOR g5	502	6	11	1105
<b>Averages:</b>	573	9	15	1526
<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 upper 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.

CLE233\_Results\_REU.xls  
je - 27.06.2018