

**NDB LIST CLE No. 221 370 - 384.9 kHz Friday 28 July - Monday 31 July, 2017**

**COMBINED RESULTS  
EUROPE**

For overall statistics, please see the covering email.

**Reporters:**

<b>CZE</b>	lk	Ludek Kosek, Jablonec nad Nisou, N. Bohemia
<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>	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>	me	Mike Thayne, Whitley Bay
<b>ENG</b>	mt	Mike Trodd, Yapton, near Arundel, W Sussex
<b>ENG</b>	pt	Name, Location
<b>ENG</b>	px	Peter Greatorex, Bolsover, Derbyshire
<b>ENG</b>	re	Ray Evans, Bolsover, Derbyshire
<b>FRA</b>	fb	Franck Baste, St Bonnet de Rochefort
<b>FRA</b>	jj	Jean Jacquemin, Trepied, near Le Touquet
<b>HOL</b>	rb	Roelof Bakker, Middelburg, Zealand
<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).

ITU	QRG	ID	Name	CZE lk	CZE my	CZE ze	DEU bd	DEU hw	DEU je	ENG bk	ENG hh	ENG me	ENG mt	ENG pt	ENG px	ENG re	FRA fb	FRA jj	HOL rb	ITA wb	NOR g5	SCT ds
AUT	374.0	KFT	Klagenfurt	21	00	20	20	19	00		01	02					19		20	21		00
AUT	382.0	SBG	Salzburg / Oberndorf		14	20	19	19	00		19	23	20	21	21	23	19	22	20	22	01	23
AZR	380.0	FIL	Horta / Faial Island					01			00		23					22	02		01	
BAL	384.0	ADX	Andraitx for Palma de Mallorca		00	00		00	00		21	02	03	23		01	04		02			23
BEL	375.0	OO	Oostende					02		11	14	11	16	19	19	22	01	22	11			00
BEL	381.0	HTB	Beauvechain																11			
BIH	370.0	GAC	Gacko	21	00	20	19	19	00		20	00	20	19		22	19	22	19	21	23	22
BIH	381.0	AS	Sarajevo		01																	
BIH	383.0	NA	Banja Luka		01	00		00	02								02		22			
CAN	378.0	HO	Hopedale																03			
COR	375.0	CV	Calvi / Ste Catherine														19					
CZE	372.0	L	Prague / Ruzyne / Liboc	21	14	20	00	19			01	02							22			00
DEU	370.0	PSA	Spessart		14	20	19	19	00		00	01	23			21	02	22	19		00	22
DEU	371.0	MYN	Munster / Osnabruck		00	00	00	19	00		00	02		21		23		22	11		00	22
DEU	372.0	NDO	Nordholz		00	00		19	00	11	14	11			19	22		22	02		00	

DEU	374.0 FS	Dresden			14	20	10	19	00		00	02						00		01			
DEU	376.0 HAN	Hahn			00	01	19	00	00		00	03	21	22	21	22	01	22	11	23	01	22	
DEU	382.0 FW	Frankfurt / Raunheim			01	20		19	00		00	02	02					22		01			
DNK	376.0 HP	Esbjerg			00	00		00	23		00							02		01			
DNK	384.0 TL	Aarhus			01			19	00		00	02						02		22			
ENG	370.0 CUL	Culdrose RNAS						02			11	01	01	16		20	23	02	21	02			
ENG	378.5 NN	Northampton / Sywell						02			11	14	11	16	19	19	22		22	11	02	00	
ENG	383.5 LE	Leicester									11	14				19	22						
ESP	380.0 VNV	Vilanova i la Geltru			00	00		02	01			21	02	02	23			19	22	02		23	
FIN	373.0 KEM	Kemi-Tornio / Hirmula			01	00		00	22			00	22				00		22	00		00	
FIN	374.0 S	Mikkeli						01														00	
FRA	370.0 BSV	Besancon / La Veze			00			00	00				22				19		00	22	23	23	
FRA	372.0 PY	Le Puy / Loudes			00			02									16		03	22		22	
FRA	373.0 LCT	Le Luc / Le Cannet			00			01					03				19						
FRA	373.0 MP	Cherbourg / Maupertus			00			00		11	14	02	16	19	19	23	03	22	11		01	00	
FRA	374.0 BGC	Bergerac / Roumaniere			00							00	02	21	23	00	19		01			22	
FRA	375.0 BRG	Bourges						02				00	03	02	21	00	16	22	02			22	
FRA	376.0 BS	Bale / Mulhouse			01	23		00									19		01				
FRA	378.0 LU	Le Luc / Le Cannet			00			01									19						
FRA	379.0 EB	St Etienne / Boutheon			01	00		02			01	02	02				17	22	02	22		23	
FRA	380.0 HO	Colmar / Houssen			01	00	00	02	02		01	02	02			00	19	22	02	00			
FRA	380.0 RQ	Quimper / Pluguffan									00			16		00	00		00				
FRA	383.0 MAR	Marseille / Provence			01	02		02					03				19			19		00	
FRA	384.0 AT	Annecy / Meythet			01			01				02	20				17	21	03	22			
FRA	384.0 PMR	Pamiers / Les Pujols			01						00	01	03	21		21			01			00	
GRL	372.0 OZN	Prins Christian Sund / Kitaa			02	01		02	02			00	01			23	03		02		01	22	
GSY	383.0 ALD	Alderney			01			00			11	14	23	17	19	19	22	02	22	11		02	00
HNG	374.0 BKS	Bekes				01		02	00										00			00	
HNG	383.0 EN	Debrecen						01															
HOL	373.0 NW	Maastricht / Beek			00	01		00	01		01	02	02				02		11				
HOL	383.5 GUL	Gulpen			01	02	00	00	01	11	00	11	20	23		01	02	22	11		22	00	
HRV	372.0 CE	Osijek / Cepin	21		00	20	20	02			00	02	19	22	20	23	19	22	20	23		00	
HRV	378.0 TRI	Split / Trogir			01	00	02	02	02								19		01	22			
IRL	378.0 KLY	Killiney for Dublin			01			02			11	14	11	02		19	22	01	22	02	01	11	
IRL	384.0 SLG	Sligo									00	11			20	22						11	
IRN	370.0 UMH	Uromiyeh						00															
ISL	373.0 TN	Thorshofn										02							00				
ISL	375.0 VM	Vestmannaeyar			00			00	00			00	01		22		23	01	22	01		00	00
ITA	371.0 LEV	Savigliano / Levaldigi (CN)			00	21		00			00	03	23				19		02	10			
ITA	371.0 RIV	Codroipo / Rivolto (UD)	21		00	21	23	20			01	02	02				19		02		02		
ITA	374.5 ANC	Ancona (AN)	21		14	21	21	19	00		00	02	20	23		22	19	22	02	21	01	22	
ITA	376.5 ORI	Orio al Serio (BG)			00	00	23	19	01		01	02	02			23	19	21	02	10	01		
ITA	379.0 PIS	Pisa (PI)			01	20	00	19	01		00	01	21	23		00	19	22	01	18	01	23	
ITA	379.0 VEN	Venezia (VE)	22		01	20	00	19	01		00	02				23	19		02	18	02	23	
ITA	382.0 GAZ	Gazoldo degli Ippoliti (MN)			01	20		19			01	23	02				19		02	10			
NOR	371.0 BRS	Bremsnes for Kristiansund / Kvernberget			00	01		00				01			22	22		22	02		00	01	
NOR	371.0 HAA	Hamar / Stafsberg			00	23		00	01		01	22	02			00			02		00	23	
NOR	372.0 ODR	Kristiansand / Kjevik / Odderoy			00	20	01	19	00	12	17	11	02		19	22	02	22	11		21	01	
NOR	374.0 BL	Forde / Bringeland						00											01		00	00	
NOR	374.0 FLV	Bodo / Fleinvaer						01				00	22			00			00			00	
NOR	378.0 RSY	Stavanger / Sola / Rennesoy			01	00		00	00		00	11	23			00	02		01		22	00	
NOR	380.0 FLR	Trondheim / Vaernes / Flornes						00			00	01				00		22	01		22		
NOR	381.0 RG	Rygge / Tune			01	00		02			01	00							01		01		
POL	375.0 CHO	Chociwel	21		00	20	10	19	00		19	23	02	20		23			21	02		21	00
POR	371.0 STR	Sintra										21							01			23	
POR	382.0 LAR	Arruda									21	02	02	02	21	21	22		22	02		01	
ROU	370.0 OTL	Bucuresti / Otopeni			01	01	01	19											02				
ROU	373.0 D	Tirgu Mures			00	01		01											02				
ROU	378.0 TA	Timisoara / Giarmata			01	00		01				02									01		
ROU	381.0 SIB	Sibiu / Turnisor			01	00	01	02	02		02								02				



SAR	Sardinia,		1						1						1						1
SCT	Scotland,					1			1	1											
SCY	Sicily,			1		1			1	1			1	1							
SRB	Serbia (Yugoslavia),		1	1	1	1	1		1	1	1			1					1	1	
SUI	Switzerland,		1	1		1			1	1	1			1	1				1	1	1
SWE	Sweden,		9	9		11	7		5	6	2			1	2	1	1	10			9
TUN	Tunisia,								1												
TUR	Turkey,		1			1															
XOE	Int Waters: Europe,		1			2			1	1	2										2
XUU	(Leer)														1						
ITU	ITU_Name	CZE lk	CZE my	CZE ze	DEU bd	DEU hw	DEU je	ENG bk	ENG hh	ENG me	ENG mt	ENG pt	ENG px	ENG re	FRA fb	FRA jj	HOL rb	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 lk	CZE my	CZE ze	DEU bd	DEU hw	DEU je	ENG bk	ENG hh	ENG me	ENG mt	ENG pt	ENG px	ENG re	FRA fb	FRA jj	HOL rb	ITA wb	NOR g5	SCT ds
00:00 - 00:59		31	21	6	27	21		28	2				11	1		13	2	12	16
01:00 - 01:59		30	12	3	13	11		14	10				4	4		16		20	5
02:00 - 02:59		3	2	1	20	6		3	24	17				11		30		5	
03:00 - 03:59			1						6	3				2		3			
04:00 - 04:59														1					
10:00 - 10:59				2													3		
11:00 - 11:59							10		11							10			3
12:00 - 12:59							1												
14:00 - 14:59		5						8											
16:00 - 16:59										5									
17:00 - 17:59								1		1									
18:00 - 18:59																			
19:00 - 19:59				4	21			2		1	5	9		24		2	1		
20:00 - 20:59			14	2	1			1		6	1	3				4			
21:00 - 21:59	7		3	2				4		3	5	4	2		6		3	5	
22:00 - 22:59	1					1			6			4	3	16	28	2	7	5	9
23:00 - 23:59			2	2		1			5	5		6	10				2	3	9
UTC (hh)	CZE lk	CZE my	CZE ze	DEU bd	DEU hw	DEU je	ENG bk	ENG hh	ENG me	ENG mt	ENG pt	ENG px	ENG re	FRA fb	FRA jj	HOL rb	ITA wb	NOR g5	SCT ds
Totals	8	69	55	22	82	40	11	61	64	41	21	19	43	47	34	80	20	50	42

**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 bk	ENG hh	ENG me	ENG mt	ENG pt	ENG px	ENG re	FRA fb	FRA jj	HOL rb	ITA wb	NOR g5	SCT ds
370.0	1	4	3	3	7	3	1	3	4	3	1	1	3	4	3	6	2	5	3
370.5		1	1		1	1		1	1	1				1	1	1		1	1
371.0	1	5	5	2	5	2		5	5	3	2	1	3	2	2	6	1	4	4
372.0	2	6	5	3	6	3	2	5	5	2	1	3	4	4	3	6	2	4	4
373.0		5	4		6	2	1	3	5	2	1	1	2	4	3	6		2	1
374.0	1	3	3	2	6	3		4	4	1	1	1	2	2		6	1	4	4
374.5	1	1	1	1	1	1		1	1	1	1		1	1	1	1	1	1	1
375.0	1	6	4	1	8	4	2	8	8	5	4	3	6	5	5	8	1	5	6

376.0		3	3	1	3	2	2	1	1	1	1	1	1	2	1	3	1	2	1	
376.5		1	1	1	1	1		1	1	1	1			1	1	1	1	1	1	
377.0		2	2		2	1		1								2		2		
378.0		6	3	1	6	3	1	2	2	3		1	2	4	1	5	1	4	2	
378.5					1		1	1	1	1	1	1	1		1	1		1	1	
379.0	1	3	3	2	3	2		3	3	2	1	2	3	2	3	2	3	2	3	
380.0		4	4	2	8	3		7	7	5	1	1	5	5	4	8	2	4	2	
381.0		3	2	1	2	1		2	1							3		1		
382.0		4	3	1	3	2		4	5	4	2	2	3	3	3	4	2	2	2	
383.0		4	3		5	2	1	2	2	2	1	1	2	3	1	3	1	2	2	
383.5		1	1	1	1	1	2	2	1	1	1	1	2	1	1	1		1	1	
384.0		7	4		7	3		4	7	3	2	1	3	2	1	6	1	2	4	
QRG		CZE lk	CZE my	CZE ze	DEU bd	DEU hw	DEU je	ENG bk	ENG hh	ENG me	ENG mt	ENG pt	ENG px	ENG re	FRA fb	FRA jj	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
375.0	CV	Calvi / Ste Catherine	COR	FRA fb	1918
380.0	OT	UNID	XUU	FRA fb	0224
370.0	KO	Yekaterinburg / Koltsovo	RUS	NOR g5	0224
375.0	ZN	Tozeur / Nefta	TUN	ENG hh	0125
383.0	EN	Debrecen	HNG	DEU hw	0119
370.0	UMH	Uromiyeh	IRN	DEU hw	0051
381.0	AS	Sarajevo	BIH	CZE my	0114
381.0	HTB	Beauvechain	BEL	HOL rb	1151
378.0	HO	Hopedale	CAN	HOL rb	0322

**FREQUENCIES REVISITED - Progress Statistics**

(Please see the explanation below)

THEN  
NOW

CLE204 - 370 - 384.9 kHz - 26 - 29 February 2016  
CLE221 - 370 - 384.9 kHz - 28 - 31 July 2017

Listener	Av km		Total km x 1000		NDBs		Max km	
	THEN	NOW	THEN	NOW	THEN	NOW	THEN	NOW
CZE my	868	890	63	61	72	69	1888	3697
CZE ze	880	867	61	48	69	55	1765	3704
DEU bd	892	667	49	15	55	22	3456	1306
DEU hw	1219	979	137	79	112	82	4763	3391
DEU je	929	871	65	35	70	40	3214	3222
ENG bk	1074	402	73	4	68	11	2993	934
ENG hh	1085	1093	63	67	58	61	3075	2661
ENG me	1172	1131	72	72	61	64	2740	2510
ENG mt	952	909	41	37	43	41	2197	2592
ENG px	1083	714	50	14	46	19	2651	1691
ENG re	1005	991	47	43	47	43	2619	2627
FRA fb	881	775	40	36	45	47	2542	3371
FRA jj	1118	925	94	31	84	34	4038	2728
HOL rb	1246	1059	123	85	99	80	5815	4110
SCT ds	1260	1262	71	53	56	42	3283	2258
<b>Averages:</b>	1044	902	70	45	66	47	3136	2720
<b>% Increase:</b>		14		35		28		13

Listener	Av km	Av km	Total	Total	NDBs	NDBs	Max	Max
	THEN	NOW	km x	km x	THEN	NOW	km	km
			1000	1000			THEN	NOW
CZE lk		544		4		8		882
ENG pt		924		19		21		1813
ITA wb		409		8		20		895
NOR g5		1021		51		50		3484
<b>Averages:</b>		725		21		25		1769
<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 aerals, 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 aerals, 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.