

NDB LIST 'Barn Door' CLE No. 234 Wideband listening centred on 360 kHz 27 - 30 July 2018

COMBINED RESULTS  
EUROPE

KEY TO RX TYPES:

0AD	Crystal Set
1AD	Single Active Device with regen
+AD	1AD with extra stage(s)
POR	Portable Receiver
VIN	Vintage Receiver
CLC	Classic Receiver
SDR	Software Defined Radio

REPORTER	RECEIVER	RX No. TYPE NDBs	ANTENNA
CZE	ms Miroslav Level meter Wandel&Goltermann SPM-19 filter 3.1kHz	VIN 100	MiniWhip at 4m
CZE	my Milos Homebrew 1AD (GE transistor) + audio AMP	+AD 67	LW 65 m, Mini-whip
DEU	je Joachim 1AD dual gate MOSFET regen	1AD 78	ALA100LN
ENG	ag Alan SDRplay RSP-1A (+/- 7kHz)	SDR 8	Inverted L with Wellbrook UMB
ENG	bk Brian K. 1AD BF362	1AD 58	80m wires, approx N-S and E-W (several)
ENG	hh Brian H. JRC NRD 535 (1990s) 6kHz filter	CLC 59	
HOL	ge George 'Homebuilt SDR' at University of Twente	SDR 25	Mini-Whip based on PA0RDT design
HOL	rb Roelof BF966-LM386 regen, no filter	+AD 73	pa0rdt-eco-mini-whip, 5 metre up
IRL	fo Finbar Mike Tuggle design 1AD mosfet	1AD 75	100m Beverage
ITA	wb William Philips D2999 8kHz filter	CLC 7	Q-Stick Plus Passive Antenna Booster
NIR	ry Robert Lokata 7 marine handheld RDF receiver (~1998)	POR 27	internal rod
NOR	gl Geir Icom IC-703 Plus (wide filtering)	CLC 50	PA0RDT Mini-whip at 6.5 mtr
SCT	ds David Tecsun PL380	POR 78	Ferrite rod and Mini-whip

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 ms	CZE my	DEU je	ENG ag	ENG bk	ENG hh	HOL ge	HOL rb	IRL fo	ITA wb	NIR ry	NOR g5	SCT ds
AUT	290.0	GRZ	Graz	09	20	00										
AUT	293.0	STE	Wien / Schwechat / Steinhof	09	14											
AUT	303.0	RTT	Innsbruck / Rattenberg	21	22											
AUT	320.0	RUM	Rum		20											
AUT	327.0	LNZ	Linz / Horsching	09	14	22										
AUT	358.0	TUN	Tulln for Schwechat	09	12								21			
AUT	374.0	KFT	Klagenfurt	22												
AUT	382.0	SBG	Salzburg / Oberndorf	21	12	23				23						
AUT	408.0	BRK	Wien / Schwechat / Bruck	09	14	23			02	23						
AUT	410.0	SI	Salzburg							23						
AUT	420.0	INN	Innsbruck	20	01											
AUT	426.0	GBG	Gleichenberg for Graz	09	00	22				23						
BEL	290.0	ONL	Liege / Bierset					10			07					





ENG	348.0	FOS	Fairoaks				10											
ENG	349.5	LPL	Liverpool						12									
ENG	352.0	NT	Newcastle														15	23
ENG	352.0	WOD	Woodley				13	10	12		10		02				00	
ENG	353.5	EME	East Midlands					10	12									
ENG	356.0	WBA	Wolverhampton				13	10	12				02					23
ENG	362.5	SND	Southend-On-Sea					10	13		10							
ENG	365.0	KIM	Kirmington				13	10	04									
ENG	367.5	OX	Oxford / Kidlington				13	10	04		10							
ENG	368.5	WHI	Whitegate for Hawarden				13		13									00
ENG	369.0	RCH	Rochester					10			10							
ENG	383.5	LE	Leicester						13									
ENG	386.0	BZ	Brize Norton					10	04									00
ENG	391.5	EAS	Southampton / Eastleigh					10										
ENG	393.0	EMW	East Midlands						13									
ENG	397.0	LZD	Lydd					10			10							
ENG	402.5	LBA	Leeds / Bradford					10	05				23			00		01
ENG	406.0	BHX	Birmingham					10	13				23					01
ENG	414.0	BRI	Bristol / Filton					10					23					01
ENG	421.0	BUR	Burnham					10			07							01
ENG	423.0	CWL	Cranwell					11										
ENG	426.0	SH	Shobdon															01
ENG	433.5	HEN	Henton					10										
ESP	387.0	AV	Asturias / Aviles						03				01					
ESP	389.0	ZRZ	Zaragoza										02					
ESP	395.0	B	Bilbao										23					
ESP	404.0	LRD	Lerida										23			00		01
ESP	410.0	C	La Coruna										23					01
ESP	433.0	VON	Vigo															01
FIN	352.0	PSJ	Seinajoki															23
FIN	365.0	VS	Tampere / Pirkkala / Vesilahti															23
FRA	286.5	TA	Villacoublay / Velizy								07							
FRA	320.0	TY	Troyes / Barberey								08							
FRA	321.0	ABY	Albert / Bray				10				10							
FRA	322.0	ORS	Orleans / St Denis De L'Hotel								08							
FRA	327.0	MVC	Merville / Calonne				10				10							
FRA	331.0	TUR	Tours / Val De Loire								22							
FRA	332.0	LL	Lille / Lesquin				10		02		10							23
FRA	332.0	TLF	Toulouse / Francazal										02					
FRA	339.0	GI	Amiens / Glisy								10							
FRA	341.0	BZ	Biarritz / Bayonne / Anglet										02					
FRA	345.0	LN	Lannion / Servel				10											23
FRA	346.0	LHO	Le Havre / Octeville				10		05		10							
FRA	347.0	CVT	Chalons / Vatry							22	10							
FRA	351.0	DSA	Dieppe / St Aubin				10		09		10							
FRA	351.0	OSA	Ouessant															02
FRA	353.0	SB	St. Brieuc / Armor				10		11		10							02
FRA	357.0	LP	Cholet / Le Pontreau															01
FRA	358.0	BRS	Biscarosse / Parentis															01
FRA	358.0	LT	Le Touquet / Paris-Plage				11				10							
FRA	358.0	RNN	Roanne / Renaison													00		
FRA	359.0	LOR	Lorient / Lann Bihoue						03				01					

FRA	361.0 NB	Bordeaux / Merignac							01				
FRA	363.0 PI	Poitiers / Biard							01				
FRA	364.0 PU	Pau / Pyrenees							01				
FRA	367.0 VAT	Chalon / Vatry			22				10				
FRA	369.0 GL	Nantes / Atlantique							01				
FRA	373.0 MP	Cherbourg / Maupertus					10						
FRA	374.0 BGC	Bergerac / Roumaniere							01				00
FRA	380.0 HO	Colmar / Houssen		22									
FRA	384.0 AT	Annecy / Meythet	22										
FRA	387.0 BGP	Brest Guipavas						03					
FRA	387.0 ING	St. Inglevert					10		10				
FRA	389.0 PX	Perigueux / Bassillac								02			
FRA	390.0 DR	Dinard / Pleurtuit-St Malo					10			23			
FRA	391.0 BV	Beauvais / Tille							10	23			
FRA	392.0 AS	Angers / Avrille								23			
FRA	393.0 BD	Bordeaux / Merignac								23			
FRA	395.0 FC	Figeac / Livernon											00
FRA	396.0 ROC	Rochefort / St Agnant								23			
FRA	397.0 BLB	Blois / Le Breuil								23			
FRA	398.0 LRN	Lorquin / Xouaxange		00									
FRA	398.0 MT	St Nazaire / Montoir						03		23			
FRA	400.0 AG	Agen / La Garenne								23			
FRA	401.0 LA	Laval / Entrammes						03		23			
FRA	404.0 AGO	Angouleme / Brie Champniers											01
FRA	404.0 CNE	Caen / Carpiquet					10						
FRA	404.0 MRV	Merville / Calonne			22		10	13		07			
FRA	410.0 ETN	Etain / Rouvres								22			
FRA	418.0 MK	Calais / Dunkerque					10			07			
FRA	419.0 EMT	Epinal / Mirecourt		01									
FRA	423.0 TS	Toulouse / Blagnac											01
FRA	424.0 PHG	Phalsbourg / Bourscheid		01	23					19			
FRA	427.0 RY	Royan / Medis											01
FRA	430.0 SN	St Yan	22										
FRA	434.0 MV	Melun / Villaroche							23				01
FRO	337.0 MY	Myggenaes						01	23	22	18		23
FRO	348.0 VG	Vagar								22			
GRL	372.0 OZN	Prins Christian Sund / Kitaa						02	23		01		00
GRL	377.0 DA	Kulusuk (Tunu)									01		
GSY	383.0 ALD	Alderney					10	03		10	01		
HNG	306.0 TPS	Tapiosap	09										
HNG	318.0 CP	Papa / Parduc	16										
HNG	318.0 PC	Papa / Parduc	09										
HNG	348.0 SVR	Sagvar	09										
HNG	354.0 GYR	Gyor	09										
HNG	374.0 BKS	Bekes	22										
HNG	386.0 PTB	Pusztaszabolcs	09	00									
HNG	430.0 BUG	Bugac	22										
HNG	436.0 SME	Sarmellek / Balaton	22										
HOL	326.0 LLS	Lelystad								10			
HOL	330.0 SO	Eelde / Groningen			05								
HOL	332.0 NV	Amsterdam / Schiphol								10			
HOL	350.5 ROT	Rotterdam								10			

HOL	369.0 PS	Rotterdam Locator							10				
HOL	383.5 GUL	Gulpen			22				10				
HOL	386.0 STD	Stad Aan Het Haringvliet							10				
HOL	388.5 CH	Amsterdam / Schiphol							10				
HOL	395.0 OA	Amsterdam / Schiphol / Assendelft							10				
HOL	397.0 EHN	Eindhoven						23	10				
HOL	404.5 RR	Rotterdam Locator							07				
HRV	330.0 ZRA	Zadar / Kakman	21										
HRV	350.0 SK	Zagreb / Pleso / S. Kraljevec	21	20									
HRV	351.5 PLA	Pula	20										
HRV	367.0 ZAG	Zagreb	20							21			
HRV	372.0 CE	Osijek / Cepin	21	21									
HRV	378.0 TRI	Split / Trogir	21										
HRV	400.0 BRZ	Rijeka / Krk / Breza	21	00									
HRV	418.0 DVN	Split / Drvenik	20										
HRV	420.0 GS	Pula		01									
HRV	422.0 OSJ	Osijek	20										
HRV	424.0 PIS	Zagreb / Pleso / Plesarovina	20	01				23	20				
HRV	429.0 LOS	Losinj	22	02	23								
HRV	433.0 CRE	Cres	20	02				23					
HRV	438.0 KO	Rijeka / Krk / Kozala	20										
IOM	359.0 RWY	Isle Of Man / Ronaldsway				13	12			18		15	13
IRL	316.0 OE	Dublin							15			14	12
IRL	334.0 GMN	Gormanston							15			14	13
IRL	361.0 CFN	Donegal / Carrickfin							18			15	13
IRL	364.0 KNK	Connaught							15				
IRL	368.0 WTD	Waterford							01			15	00
IRL	378.0 KLY	Killiney for Dublin							15			15	13
IRL	384.0 SLG	Sligo					02					15	13
IRL	387.0 CML	Clonmel							01			15	00
IRL	395.0 FOY	Foynes for Shannon							23				00
IRL	397.0 OP	Dublin							15			15	13
ISL	325.0 RH	Reykholt											01
ISL	348.0 HA	Vopnafjordhur / Hofsa							02				
ISL	351.0 BL	Blonduos							02				
ISL	355.0 RK	Reykjavik							02				
ISL	375.0 VM	Vestmannaeyar							01				00
ISL	385.0 IS	Isafjordhur							01				
ISL	387.0 NB	Akureyi / Botn							01				
ISL	392.0 KF	Keflavik							23				
ITA	333.5 VOG	Voghera (PV)	22	20	23				22				
ITA	343.0 GRA	Grazzanise (CE)	21										
ITA	357.0 CAS	Caselle Torinese (TO)	22								10		
ITA	357.5 FAL	Falconara Marittima (AN)	22								00		
ITA	364.0 MAL	Gallarate / Malpensa (VA)									10		
ITA	374.5 ANC	Ancona (AN)	20										
ITA	376.5 ORI	Orio al Serio (BG)	21	21									
ITA	382.0 GAZ	Gazoldo degli Ippoliti (MN)		22									
ITA	386.0 LNE	Milano / Linate (MI)	21	22									
ITA	390.0 AVI	Aviano (PN)	21	22									
ITA	392.5 TOP	Torino / Poirino (TO)	22					23					
ITA	396.0 RON	Ronchi dei Legionari (GO)	21						23				







SWE	378.0 OS	Sundsvall / Harnosand														00	
SWE	384.0 TY	Torsby / Fryklanda														01	
SWE	388.0 COR	Corner for Bromma														01	
SWE	399.0 FM	Trollhattan / Vanersborg						02									
SWE	409.0 SG	Satenas / Tune			22										22		01
SWE	417.0 AH	Angelholm / Barkakra			21												01
SWE	421.0 MF	Halmstad			22												
UKR	334.0 VI	Verchnie Vysotske	21														
WLS	323.0 WPL	Welshpool							13								01
WLS	340.0 HAW	Hawarden							13						15		13
WLS	388.5 CDF	Cardiff						10	13								00
XOE	326.0 YW	Tyra West Platform						08									
XOE	353.0 OBA	Oseberg A platform														23	
XOE	359.0 BUZ	Buzzard / Nexen Platform														23	23
XOE	414.0 STA	Stafjord A Platform											23				
XOE	419.0 RA	Tyra East A Platform															01
XOE	420.0 LGS	Conoco Loggs Platform														07	01
Cou, S/P	QRG	ID	Name	CZE ms	CZE my	DEU je	ENG ag	ENG bk	ENG hh	HOL ge	HOL rb	IRL fo	ITA wb	NIR ry	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 ms	CZE my	DEU je	ENG ag	ENG bk	ENG hh	HOL ge	HOL rb	IRL fo	ITA wb	NIR ry	NOR g5	SCT ds
AUT	Austria	10	10	5			1	4						
BEL	Belgium					8	3	1	10					2
BIH	Bosnia-Herzegovina	4												
BUL	Bulgaria	2	1	1										
CAN	Canada, NL									2				
CAN	Canada, QC									1				
COR	Corsica	1												
CZE	Czechia	12	5	4				1						
DEU	Germany	3	19	25		1	3	8	4	2			3	5
DNK	Denmark		1	8									2	1
ENG	England				5	31	28		14	7		6		14
ESP	Spain						1			5		1		3
FIN	Finland												2	
FRA	France	2	4	3		14	9	2	20	22	1			8
FRO	Faroe Islands						1	1	2	1		1	1	1
GRL	Greenland						1	1		2			1	1
GSY	Guernsey					1	1		1	1				
HNG	Hungary	9	1											
HOL	Netherlands			2				1	10					
HRV	Croatia	13	7	1				2	1		1			
IOM	Isle Of Man				1		1			1		1		1
IRL	Ireland						1			9		8		9
ISL	Iceland									7				2
ITA	Italy	14	7	3			1	2	1	1	3			
JSY	Jersey					1			1					

<b>LTU</b>	Lithuania	1																
<b>LUX</b>	Luxembourg			3					1									
<b>NIR</b>	Northern Ireland									2			3				2	
<b>NOR</b>	Norway			3	1		1			5	1		1	16			4	
<b>POL</b>	Poland	8	1	6						1				1			2	
<b>POR</b>	Portugal										1							
<b>ROU</b>	Romania	3	1	2														
<b>SAR</b>	Sardinia	2	1									1						
<b>SCT</b>	Scotland				1		2				7		3				13	
<b>SCY</b>	Sicily	1																
<b>SRB</b>	Serbia (Yugoslavia)	5	3	1														
<b>SUI</b>	Switzerland	1	1					1										
<b>SVK</b>	Slovakia	7	2	1														
<b>SVN</b>	Slovenia	1	2	1														
<b>SWE</b>	Sweden		1	9			2		1				1	22			4	
<b>UKR</b>	Ukraine	1																
<b>WLS</b>	Wales					1	3				2		1				3	
<b>XOE</b>	Int Waters: Europe					1				2	1			2			3	
<b>Cou</b>	<b>Cou-Name</b>	<b>CZE ms</b>	<b>CZE my</b>	<b>DEU je</b>	<b>ENG ag</b>	<b>ENG bk</b>	<b>ENG hh</b>	<b>HOL ge</b>	<b>HOL rb</b>	<b>IRL fo</b>	<b>ITA wb</b>	<b>NIR ry</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 ms	CZE my	DEU je	ENG ag	ENG bk	ENG hh	HOL ge	HOL rb	IRL fo	ITA wb	NIR ry	NOR g5	SCT ds
00:00 - 00:59		9	2							2	6	15	14
01:00 - 01:59		7				4			18			14	25
02:00 - 02:59		4				9		1	16			1	
03:00 - 03:59						7							
04:00 - 04:59			1			3	2						
05:00 - 05:59			2			6							
06:00 - 06:59			2										
07:00 - 07:59								14					
08:00 - 08:59					1			2					
09:00 - 09:59	29				1	1				2			
10:00 - 10:59					51			41					
11:00 - 11:59					3	2							
12:00 - 12:59		5				7							4
13:00 - 13:59		6		6	2	17							20
14:00 - 14:59		6											
15:00 - 15:59									14		4		
16:00 - 16:59	3										14		
17:00 - 17:59						1							
18:00 - 18:59						1			4				
19:00 - 19:59								2					
20:00 - 20:59	21	11	4					1					
21:00 - 21:59	23	8	4			1				2			
22:00 - 22:59	24	9	29				2	12		1			1
23:00 - 23:59		2	34	2			19		23		3	20	14

UTC (hh)	CZE ms	CZE my	DEU je	ENG ag	ENG bk	ENG hh	HOL ge	HOL rb	IRL fo	ITA wb	NIR ry	NOR g5	SCT ds
NDBs	100	67	78	8	58	59	25	73	75	7	27	50	78

**NDB COUNTS, BY FREQUENCY:**

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

NDBs	QRG	CZE ms	CZE my	DEU je	ENG ag	ENG bk	ENG hh	HOL ge	HOL rb	IRL fo	ITA wb	NIR ry	NOR g5	SCT ds	NDBs
1	258.0	1													1
1	277.0					1			1						1
2	284.0	1	1	1											2
1	286.0		1												1
1	286.5								1						1
2	290.0	1	1	1		1			1						2
1	292.0		1												1
2	293.0	1	1			1			1						2
1	296.0		1												1
1	297.0	1													1
2	300.0	2	2												2
1	303.0	1	1												1
1	306.0	1													1
1	307.0			1											1
2	311.0			2		1	1	1	1						2
1	314.0					1	1		1						1
1	315.0			1											1
4	316.0			1		1	1		1	1		1		2	4
1	317.0	1													1
1	317.5	1													1
4	318.0	2		1			1								4
1	319.0			1			1		1			1		1	1
2	320.0		1						1						2
3	321.0		1	1		1			1						3
2	322.0					1	1		1						2
3	323.0			1			1		1					1	3
1	324.0													1	1
2	325.0						1						1		2
2	326.0					1			1						2
3	327.0	1	1	1		1	1		1						3
3	328.0			1		1	1							1	3
1	328.5									1		1		1	1
1	329.0						1		1						1
6	330.0	2	2	2									1		6
4	331.0	1	1			1	1		1					1	4
4	332.0					1	1		2	1		1		1	4
1	332.5					1	1		1						1
2	333.0			1									1		2
1	333.5	1	1	1					1						1





3	417.0		1	2				1						1	3
2	418.0	1							1						2
2	419.0		1											1	2
4	420.0	1	2									1		2	4
3	421.0	1		1				1						1	3
1	422.0	1							1						1
3	423.0		1	1				1						2	3
2	424.0	1	2	1				1	2						2
1	425.0		1												1
3	426.0	1	2	1				1						1	3
1	427.0													1	1
1	428.0	1													1
2	429.0	2	1	1											2
2	430.0	2													2
2	431.0		1	1						1				1	2
1	432.0	1	1												1
2	433.0	1	1					1						1	2
1	433.5														1
2	434.0	1						1						1	2
1	436.0	1													1
2	438.0	2													2
1	444.0	1		1										1	1
1	445.0	1													1
1	448.0	1		1											1
1	452.0			1											1
1	463.0			1											1
1	468.0	1		1									1		1
1	470.0	1													1
1	474.5			1											1
1	485.0	1		1											1
2	488.0	1		2											2
2	489.0	1		2											2
1	490.0	1		1											1
1	492.0	1		1											1
1	494.0	1													1
1	508.0	1		1											1
1	514.5	1		1											1
1	517.0	1		1											1
1	520.0	1		1											1
1	521.0			1											1
<b>NDBs</b>	<b>QRG</b>	<b>CZE</b>	<b>CZE</b>	<b>DEU</b>	<b>ENG</b>	<b>ENG</b>	<b>ENG</b>	<b>HOL</b>	<b>HOL</b>	<b>IRL</b>	<b>ITA</b>	<b>NIR</b>	<b>NOR</b>	<b>SCT</b>	<b>NDBs</b>
		<b>ms</b>	<b>my</b>	<b>je</b>	<b>ag</b>	<b>bk</b>	<b>hh</b>	<b>ge</b>	<b>rb</b>	<b>fo</b>	<b>wb</b>	<b>ry</b>	<b>g5</b>	<b>ds</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.

CLE234\_Results\_REU.xls  
je - 03.08.2018