

NDB LIST CLE No. 271

3rd 'BEARINGS CLE'

190 - 1740 kHz

27.08.2021 - 30.08.2021

Listeners were logging up to 10 NDBs in each of the radio countries crossed by their chosen bearing line.

**COMBINED RESULTS
EUROPE**

For overall statistics, please see the covering email.

Reporters:

CZE my Milos Holy, Lhota pod Radcem
CZE ze Zdenek Elias, via Kiwi-SDR at 'Slatina, West Bohemia', CZE (rCZEsl / JN69gw)
DEU hw Hartmut Wolff, Near Wolfsburg
DEU je Joachim Rabe, Norderstedt, north of Hamburg
ENG ap Andrew Price, Astwith, Sheffield
ENG bk Brian Keyte, Bookham, Surrey
ENG nw Noel Waddoup, Clacton
ENG px Peter Greatorex, Bolsover, Derbyshire
ENG re Ray Evans, Bolsover, Derbyshire
HOL rb Roelof Bakker, Middelburg, Zeeland
SCT ds David Atkins, Tighnabruaich, Argyll
SCT lw Jay Law, North Ballachulish
SWE rok Ragnar Östermark, Visby

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 us know
(ndbcle'at'ndblist.info - replace the 'at' by an @ symbol)

COUNTRIES HEARD:

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

Cou	Cou-Name	CZE my	CZE ze	DEU hw	DEU je	ENG ap	ENG bk	ENG nw	ENG px	ENG re	HOL rb	SCT ds	SCT lw	SWE rok
	Countries:	12	9	14	13	15	8	17	4	12	17	11	4	10
	Bearing:	146	180	111	144	122	30	120	125	123	120	159	120	180
	NDBs:	64	70	115	70	102	57	117	28	71	80	64	23	70
ALG	Algeria											3		

ARS	Saudi Arabia										1			
AUT	Austria	10	10		10	10		10	4	7	10			
BAL	Balearic Islands											4		
BEL	Belgium					10		10	4	7	10			
BIH	Bosnia-Hercegovina	5			4	7		7		2	4			4
CAN	Canada, NL				4	5		4			4		7	
CAN	Canada, NS				1									
CAN	Canada, QC					3		2			1		4	
CZE	Czechia	10	10		10									6
DEU	Germany	10	10		10	10		10	10	10	10			
DNK	Denmark		8											
ENG	England				10	10	10	10	10	10	10	10		
ESP	Spain						10					10		
FIN	Finland						2							
FRA	France					10	10	10		10		10		
FRO	Faroe Islands	1												
GRL	Greenland											1	2	
HNG	Hungary	3			3									3
HOL	Netherlands										1			
HRV	Croatia	10			10	10		10		7	10			10
IOM	Isle Of Man					1					1	1		
IRL	Ireland				10			10			6			
IRN	Iran				10									
ISL	Iceland					1						10		
ITA	Italy		10			10		10		10				10
JSY	Jersey											1		
LBY	Libya		1											2
LUX	Luxembourg					5		5		4				
MKD	Macedonia	1			3			3			2			
MNE	Montenegro (Yugoslavia)	2			2	4		5			2			
NIR	Northern Ireland				2	2		2		2	2			
NOR	Norway		10				10							10
POL	Poland				8									7
POR	Portugal						3							
ROU	Romania				10									
SCT	Scotland				10							10	10	
SCY	Sicily		1											
SHE	Shetland Islands	1				1								
SRB	Serbia (Yugoslavia)	10				10								
SVK	Slovakia				10									8
SVN	Slovenia					5		5		1	5			
SWE	Sweden		10				10							10
TUR	Turkey				10						1			

UKR	Ukraine			10												
WLS	Wales								4		1			4		
XOE	Int Waters: Europe	1		10	5			2								
Cou	Cou-Name	CZE	CZE	DEU	DEU	ENG	ENG	ENG	ENG	ENG	ENG	HOL	SCT	SCT	SWE	
		my	ze	hw	je	ap	bk	nw	px	re	rb	ds	lw	rok		

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 my	CZE ze	DEU hw	DEU je	ENG ap	ENG bk	ENG nw	ENG px	ENG re	HOL rb	SCT ds	SCT lw	SWE rok
ALG	304.0	MOK	Bordj Mokhtar											04		
ALG	353.0	BNA	Beni Amrane											02		
ALG	397.0	CNE	Constantine / Ain-El-Bey											04		
ARS	394.0	RAS	Ras Al-Mishab Airport										22			
AUT	290.0	GRZ	Graz	18	18		20	21		22			20			
AUT	293.0	STE	Wien / Schwechat / Steinhof	18	18		22	21								
AUT	303.0	RTT	Innsbruck / Rattenberg	19	18					22						
AUT	313.0	KI	Klagenfurt	19				21					20			
AUT	320.0	RUM	Innsbruck / Rum	19	18					22			20			
AUT	327.0	LNZ	Linz / Horsching		18		20	21		22	22	00	20			
AUT	358.0	TUN	Tulln for Schwechat	01	18		20	21		22	22	22	20			
AUT	374.0	KFT	Klagenfurt	01	18		20	21		22	21	22	20			
AUT	382.0	SBG	Salzburg / Oberndorf				21	21		22		23	20			
AUT	408.0	BRK	Wien / Schwechat / Bruck	17			21	21		22	21	22	20			
AUT	410.0	SI	Salzburg	18	18					22		00				
AUT	418.0	ZW	Zeltweg		18		22						20			
AUT	420.0	INN	Innsbruck				21	21				23	20			
AUT	426.0	GBG	Gleichenberg for Graz	20	18		20	21		22						
BAL	344.0	MN	Menorca											04		
BAL	351.0	CST	Costix for Palma De Mallorca											00		
BAL	384.0	ADX	Andraitx for Palma de Mallorca											23		
BAL	394.0	IZA	Ibiza											23		
BEL	290.0	ONL	Liege / Bierset					21		12		22	20			
BEL	293.0	OB	Brussels National					21		12			20			
BEL	314.0	OZ	Brussels National					21		12	20	00	20			
BEL	323.0	ONC	Charleroi / Gosselies					21		12			20			
BEL	352.5	DD	Oostende					21		12	20	00	20			
BEL	355.0	ONW	Antwerpen / Deurne							12		00	20			

BEL	360.5	MAK	Mackel for Brussels Ntl					21		12	20	23	20			
BEL	381.0	HTB	Beauvechain					21					20			
BEL	386.5	SLV	Spa / La Sauveniere					21		12			20			
BEL	399.5	ONO	Oostende					21		12	20	23				
BEL	402.0	OP	Brussels National					21		12		23	20			
BIH	340.0	BLK	Banja Luka	19						22						22
BIH	357.5	KG	Sarajevo / Butmir / Kobiljaca	00				21		22						
BIH	370.0	GAC	Gacko	20				21		22		21	21			22
BIH	383.0	NA	Banja Luka					21		22			21			
BIH	405.0	IL	Sarajevo / Ilidza					21		22						
BIH	425.0	DNC	Mostar	20				21		22						22
BIH	445.0	TU	Tuzla	21				21		22			21			22
CAN, NL	250.0	YMH	Mary"s Harbour				03						04		04	
CAN, NL	270.0	ZNF	"Wabana" Saint John"s					02							00	
CAN, NL	280.0	QX	Gander				03	21		22			02		00	
CAN, NL	281.0	CA	Cartwright				01	21		22			04		00	
CAN, NL	340.0	ZJT	Stephenville												01	
CAN, NL	346.0	1D	Charlottetown					04							04	
CAN, NL	356.0	AY	St Anthony				03	21		22			02		00	
CAN, NS	263.0	QY	Sydney				03									
CAN, QC	220.0	BX	Blanc Sablon / Lourdes de Blanc Sablon					21		22			04		00	
CAN, QC	232.0	GP	Gaspe												04	
CAN, QC	340.0	YY	Mont Joli					21		22					02	
CAN, QC	360.0	PN	Port-Menier / Ile Anticosti					21							00	
CZE	258.0	N	Ostrava / Mosnov / Nada	19												22
CZE	300.0	KD	Kbely / Praha East	18	13					22						
CZE	345.5	CF	Caslav / Chotusice / Centograf	20						21						
CZE	362.0	L	Namest Nad Oslavou	01												23
CZE	365.0	L	Karlovy Vary / Vrata											14		
CZE	372.0	L	Prague / Ruzyne / Liboc											14		23
CZE	416.0	V	Vodochody / Pan Brezany											14		
CZE	429.0	B	Brno / Turany / Borek													23
CZE	432.0	PK	Pardubice / Prvek	20	14					20						
CZE	434.0	KNE	Kunovice	20						00						23
CZE	438.0	K	Praha Kbely / Kalda	20	17											
CZE	514.5	LA	Namest Nad Oslavou	21	17					00						
CZE	534.0	R	Ostrava / Mosnov / Rada							22						23
CZE	563.0	XU	Namest Nad Oslavou							22						
CZE	715.0	C	Caslav	22												
CZE	888.0	P	Pardubice	02	17					01						
DEU	284.0	FSB	Fassberg					21								
DEU	292.0	NKR	Neckar		20					12						
DEU	311.0	LMA	Lima / Bruggen	19						12	22					

ESP	354.0	PP	Pamplona										23		
ESP	380.0	VNV	Vilanova i la Geltru					22						23	
ESP	387.0	AV	Asturias / Aviles											23	
ESP	389.0	ZRZ	Zaragoza					22						23	
ESP	390.0	SO	Santiago de Compostela											23	
ESP	395.0	B	Bilbao					23						23	
ESP	404.0	LRD	Lerida					22							
ESP	410.0	C	La Coruna					22							
ESP	412.0	GRN	Gerona					23							
ESP	421.0	GE	Madrid / Grinon					22							
ESP	433.0	VON	Vigo					23							
FIN	373.0	KEM	Kemi-Tornio / Hirmula					23							
FIN	388.0	KRU	Kokkola-Pietarsaari / Kruunupy					23							
FRA	286.5	TA	Villacoublay / Velizy					11							
FRA	309.0	DO	Dole / Tavaux			21								23	
FRA	317.0	VS	Valenciennes / Denain						12					23	
FRA	318.0	BE	Bordeaux / Merignac											23	
FRA	320.0	LSU	Limoges / Bellegarde											23	
FRA	320.0	TY	Troyes / Barberey					11							
FRA	320.0	VE	Valence / Chabeuil											23	
FRA	321.0	ABY	Albert / Bray											23	
FRA	322.0	RL	La Rochelle / Ile De Re											23	
FRA	322.0	TLN	Hyeres / Le Palyvestre											23	
FRA	326.0	LM	Le Mans / Arnage						12					23	
FRA	327.0	MVC	Merville / Calonne											23	
FRA	331.0	TUR	Tours / Val De Loire						12						
FRA	334.0	POY	Paris / Orly						12						
FRA	341.0	AMB	Amboise					11							
FRA	341.0	BZ	Biarritz / Bayonne / Anglet									00			
FRA	346.0	LHO	Le Havre / Octeville						12						
FRA	347.0	CVT	Chalons / Vatry					11	12						
FRA	350.0	MUT	Muret / Lherm									00			
FRA	353.0	SB	St. Brieuc / Armor					11							
FRA	354.0	NG	Nimes / Garons			21									
FRA	358.0	RNN	Roanne / Renaison									00			
FRA	359.0	LOR	Lorient / Lann Bihoue					11							
FRA	364.0	PU	Pau / Pyrenees			21							23		
FRA	367.0	VAT	Chalon / Vatry					11							
FRA	373.0	MP	Cherbourg / Maupertus						12						
FRA	375.0	BRG	Bourges			21									
FRA	384.0	PMR	Pamiers / Les Pujols			21									
FRA	385.0	CSC	Cannes / Ile de Leirins			21									
FRA	385.0	OAN	Orleans / Bricy					11	12						

IOM	359.0	RWY	Isle Of Man / Ronaldsway				21				00	12	
IRL	334.0	GMN	Gormanston						12				
IRL	339.0	OL	Shannon			03			22				
IRL	361.0	CFN	Donegal / Carrickfin			03			22		03		
IRL	364.0	KNK	Connaught			03			22				
IRL	368.0	WTD	Waterford			03			12		00		
IRL	378.0	KLY	Killiney for Dublin			03			12		03		
IRL	384.0	SLG	Sligo			03			22				
IRL	387.0	CML	Clonmel			03					00		
IRL	395.0	FOY	Foynes for Shannon			03			22		23		
IRL	397.0	OP	Dublin			03			22		00		
IRL	398.0	OK	Connaught			03			22				
IRN	321.0	ZAJ	Zanjan			20							
IRN	337.0	IFN	Esfahan / Shahid Beheshti Intl			20							
IRN	341.0	BUZ	Bushehr			21							
IRN	346.0	BRD	Bojnurd			21							
IRN	355.0	ARB	Ardabil			19							
IRN	362.0	DNZ	Dasht-e-Naz / Sari			19							
IRN	376.0	SKD	Shahre Kord			20							
IRN	393.0	RST	Rasht			19							
IRN	395.0	TBS	Tabas			21							
IRN	450.0	PAD	Parsabade / Moghan			19							
ISL	319.0	HJ	Akureyri / Hjalteyri									23	
ISL	324.0	TO	Akureyri / Torfur									23	
ISL	325.0	RH	Reykholt									23	
ISL	330.0	HN	Hornafjordur									23	
ISL	330.0	RF	Rif									23	
ISL	344.0	LA	Saudarkrokur / Langholt									23	
ISL	348.0	HA	Vopnafjordhur / Hofsa									23	
ISL	355.0	RK	Reykjavik									23	
ISL	375.0	VM	Vestmannaeyar				22					23	
ISL	387.0	NB	Akureyi / Botn									23	
ITA	285.0	URB	Roma / Urbe (RM)				21						22
ITA	301.5	TRE	Treviso (TV)		23								
ITA	318.0	GEN	Genova (GE)						22				
ITA	324.0	PTC	Salerno / Pontecagnano				21						
ITA	325.0	RCA	Reggio di Calabria (RC)		20		21		22		23		
ITA	327.0	OST	Roma / Ostia (RM)						22				
ITA	333.5	VOG	Voghera (PV)		19				22		23		
ITA	342.0	PES	Pescara										22
ITA	345.0	TZO	Trezzo sull"Adda (MI)										22
ITA	357.5	FAL	Falconara Marittima (AN)		19				22		23		22
ITA	364.0	MAL	Gallarate / Malpensa (VA)						22				

SWE	370.5	LB	Angelholm / Barkakra					22					22
SWE	375.0	RB	Orebro										22
SWE	398.0	PEO	Stockholm / Skavsta / Peola	21				22					
SWE	399.0	FM	Trollhattan / Vanersborg	22									
SWE	400.0	EN	Orebro										22
SWE	403.0	NM	Mora / Slijan										22
SWE	403.0	OJ	Jonkoping										22
SWE	409.0	SG	Satenas / Tune					22					22
SWE	417.0	AH	Angelholm / Barkakra					22					
SWE	421.0	MF	Halmstad					22					
TUR	292.0	CAY	Caycuma			19							
TUR	325.0	CRM	Samsun / Carsamba			19							
TUR	347.0	SAB	Sabiha Gokcen			20							
TUR	352.0	BRY	Yenisehir			19							
TUR	356.0	ANK	Ankara / Esenboga			20							
TUR	359.0	KST	Kastamonou			20							
TUR	363.0	CIG	Izmir / Cigli / Kaklic			19				22			
TUR	405.0	ME	Izmir / Adnan Menderes			19							
TUR	465.0	SIN	Sinop			20							
TUR	487.0	BEY	Beypazari			19							
UKR	285.0	N	Simferopol			19							
UKR	310.0	NO	Kiev / Boryspil			19							
UKR	326.0	NL	Mykolaivka			19							
UKR	334.0	VI	Verchnie Vysotske			19							
UKR	335.0	DP	Dnipopetrovsk			20							
UKR	588.0	SN	Simferopol			19							
UKR	687.0	P	Dnipropetrovsk			19							
UKR	690.0	DM	Dmytrivka			19							
UKR	825.0	KE	Kiev / Boryspil			21							
UKR	960.0	CY	Chervonyi			19							
WLS	323.0	WPL	Welshpool					12				23	
WLS	328.0	HAV	Haverfordwest					00				02	
WLS	340.0	HAW	Hawarden					12		19		12	
WLS	388.5	CDF	Cardiff					12				23	
XOE	333.0	GFC	Statoil Gullfaks C Platform					03					
XOE	340.0	HEI	Heidrun			03	21	23					
XOE	349.0	SPA	Sleipner A platform			03							
XOE	353.0	OBA	Oseberg A platform			03	23						
XOE	375.0	EKO	Ekofisk L			03							
XOE	380.0	ULA	Ula / BP Platform			03							
XOE	414.0	GFA	Statoil Gullfaks A Platform			01							
XOE	414.0	STA	Stafjord A Platform			01	01						
XOE	414.0	STC	Statfjord C			01							

XOE	433.0	VNS	Castor UGS			19										
XOE	598.0	LF4Q	Snorre B			01										
XOE	615.0	STB	Statfjord B Platform	01		01	02									
Cou, S/P	QRG	ID	Name	CZE my	CZE ze	DEU hw	DEU je	ENG ap	ENG bk	ENG nw	ENG px	ENG re	HOL rb	SCT ds	SCT lw	SWE rok

LISTENING TIMES:

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

UTC (hh)	CZE my	CZE ze	DEU hw	DEU je	ENG ap	ENG bk	ENG nw	ENG px	ENG re	HOL rb	SCT ds	SCT lw	SWE rok
00:00 - 00:59	5			9			2		16	5	1	17	
01:00 - 01:59	11		5	3						1	1	1	
02:00 - 02:59	2			1	1					2	2	2	
03:00 - 03:59			41	1		1				3	3	3	
04:00 - 04:59					1					3	3	3	
05:00 - 05:59													
06:00 - 06:59													
07:00 - 07:59													
08:00 - 08:59													
09:00 - 09:59										5			
10:00 - 10:59										5			
11:00 - 11:59						21							
12:00 - 12:59							53				15		
13:00 - 13:59		1											
14:00 - 14:59		4											
15:00 - 15:59													
16:00 - 16:59													
17:00 - 17:59	1	5											
18:00 - 18:59	9	10	1				2	10					
19:00 - 19:59	11	2	56					4	8	2			
20:00 - 20:59	18	17	8	15			2	9		26			
21:00 - 21:59	6	12	4	14	100			2	1	18			
22:00 - 22:59	1	10		19		26	58	3	19	8			63
23:00 - 23:59		9		8		9			27	2	43		7
UTC (hh)	CZE my	CZE ze	DEU hw	DEU je	ENG ap	ENG bk	ENG nw	ENG px	ENG re	HOL rb	SCT ds	SCT lw	SWE rok
NDBs:	64	70	115	70	102	57	117	28	71	80	64	23	70

FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

***NB:** The CLE227-CLE271 comparisons in the top table below are not very meaningful because CLE227 allowed only forward bearings, while CLE271 also allowed the countries cut by reverse (back) bearings.

THEN
NOW

CLE227 - 190-1740 kHz - 25.12.2017 - 02.01.2018

CLE271 - 190-1740 kHz - 27.08.2021 - 30.08.2021

Listener	Av km		Total km x 1000	Total km x 1000	NDBs		Max km	Max km
	THEN	NOW	THEN	NOW	THEN	NOW	THEN	NOW
CZE my	590	596	45	38	76	64	1408	1893
CZE ze	517	653	27	46	52	70	880	2345
DEU hw	1287	1519	71	175	55	115	10188	4960
DEU je	1023	976	69	68	67	70	2129	3222
ENG bk	1369	967	47	55	34	57	4391	2151
ENG px	1044	595	35	17	34	28	2622	1392
HOL rb	1151	1026	102	82	89	80	3497	4547
SCT ds	925	1033	46	66	50	64	2789	3869
Averages:	988	921	55	68	57	69	3488	3047
*% Increase:		-7		24		20		-13

Listener	Av km		Total km x 1000	Total km x 1000	NDBs		Max km	Max km
	THEN	NOW	THEN	NOW	THEN	NOW	THEN	NOW
ENG ap		1281		131		102		4564
ENG nw		984		115		117		4782
ENG re		947		67		71		2133
SCT lw		1968		45		23		4207
SWE rok		1090		76		70		3257
Averages:		1254		87		77		3789

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. Another recent reason for differences, especially in Europe, is the use of programs which can 'hear' and identify NDBs, replacing traditional listening with human ears!