

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	ag	Alan Gale, Whitworth, Lancashire
ENG	bk	Brian Keyte, Bookham, Surrey
ENG	hh	Brian Heath, Stapleton, Leicestershire
ENG	px	Peter Greatorex, Bolsover, Derbyshire
ENG	re	Ray Evans, Bolsover, Derbyshire
HOL	rb	Roelof Bakker, Middelburg, Zeeland
IRL	cu	Cormac Gebruers, Cork
NOR	g5	Geir Laastad, While at Sandbu, Treungen (Telemark)
RUS	lk	Ludek Kosek, via Kiwi-SDR at 'Novosibirsk', RUS (rRUSno / NO14th)
SCT	ds	David Atkins, Tighnabraich, Argyll
SCT	lw	Jay Law, North Ballachulish

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'gmail.com - replace the 'at' by an @ symbol)

AR	BR	CR	DR	ER	FR	GR	HR	IR	JR	KR	LR	MR	NR	OR	PR	QR	RR
AQ	BQ	CQ	DQ	EQ	FQ	GQ	HQ	IQ	JQ	KQ	LQ	MQ	NQ	OQ	PQ	QQ	RQ
AP	BP	CP	DP	EP	FP	GP	HP	IP	JP	KP	LP	MP	NP	OP	PP	QP	RP
AO	BO	CO	DO	EO	FO	GO	HO	IO	JO	KO	LO	MO	NO	OO	PO	QO	RO
AN	BN	CN	DN	EN	FN	GN	HN	IN	JN	KN	LN	MN	NN	ON	PN	QN	RN
AM	BM	CM	DM	EM	FM	GM	HM	IM	JM	KM	LM	MM	NM	OM	PM	QM	RM
AL	BL	CL	DL	EL	FL	GL	HL	IL	JL	KL	LL	ML	NL	OL	PL	QL	RL
AK	BK	CK	DK	EK	FK	GK	HK	IK	JK	KK	LK	MK	NK	OK	PK	QK	RK
AJ	BJ	CJ	DJ	EJ	FJ	GJ	HJ	IJ	JJ	KJ	LJ	MJ	NJ	OJ	PJ	QJ	RJ
AI	BI	CI	DI	EI	FI	GI	HI	II	JI	KI	LI	MI	NI	OI	PI	QI	RI
AH	BH	CH	DH	EH	FH	GH	HH	IH	JH	KH	LH	MH	NH	OH	PH	QH	RH
AG	BG	CG	DG	EG	FG	GG	HG	IG	JG	KG	LG	MG	NG	OG	PG	QG	RG
AF	BF	CF	DF	EF	FF	GF	HF	IF	JF	KF	LF	MF	NF	OF	PF	QF	RF
AE	BE	CE	DE	EE	FE	GE	HE	IE	JE	KE	LE	ME	NE	OE	PE	QE	RE
AD	BD	CD	DD	ED	FD	GD	HD	ID	JD	KD	LD	MD	ND	OD	PD	QD	RD
AC	BC	CC	DC	EC	FC	GC	HC	IC	JC	KC	LC	MC	NC	OC	PC	QC	RC
AB	BB	CB	DB	EB	FB	GB	HB	IB	JB	KB	LB	MB	NB	OB	PB	QB	RB
AA	BA	CA	DA	EA	FA	GA	HA	IA	JA	KA	LA	MA	NA	OA	PA	QA	RA

WORLD MAP OF THE LOCATOR FIELDS

(Adapted from <http://www4.plala.or.jp/nomrax/GL/fullsize.htm>)

NUMBER OF NDBs HEARD BY LOCATOR FIELD

Field	CZE my	CZE ze	DEU hw	DEU je	ENG ag	ENG bk	ENG hh	ENG px	ENG re	HOL rb	IRL cu	NOR g5	RUS lk	SCT ds	SCT lw	Field
FK			2							1					2	FK
FN			5	1						5					5	FN
FO			1							1					4	FO
GN	1		3	2		2				2					5	GN
GO	2		5	3		3			1	5				1	5	GO
GP	1		1							1						GP
HK	1	1	1			1		1		1				1	1	HK
HM			5		1					5				3	5	HM

HP	1		3			1				6	1			2	5	HP
IL			2							3					4	IL
IM	1	2	5	1	2	5		4	4	6	5			5	5	IM
IN	1	1	5	5	5	5	5	5	5	3	5			5	5	IN
IO	5	3	5	5	5	5	5	5	5	5	5			5	5	IO
IP			5		1	1				3	1			3	5	IP
JF			1													JF
JI			1													JI
JK			2							1						JK
JL	1		5							3						JL
JM	4	5	5	4						5	2			5	5	JM
JN	5	4	5	5	5	5	5	5	5	6	5	2		6	5	JN
JO	5	6	5	5	5	5	5	5	5	5	5	5		5	5	JO
JP		5	5	5		5	5	5	5	5	5	5		5	5	JP
KL			3							3					1	KL
KM	2	1	5							5					5	KM
KN	5	5	5	5		5	5	5	4	5	3	4		5	5	KN
KO	4	5	5	4		5	5	5	5	5	1	2	2	3	5	KO
KP		5	5	5		4				5					5	KP
LM	1	2	5							5					5	LM
LN	1	2	5							5					3	LN
LO		1	5	1		1				5		1	2		5	LO
LP			3													LP
MM			3													MM
MN		1	1													MN
MO			3										5			MO
MP			1										3			MP
NO													5			NO
OO													2			OO
Field	CZE my	CZE ze	DEU hw	DEU je	ENG ag	ENG bk	ENG hh	ENG px	ENG re	HOL rb	IRL cu	NOR g5	RUS lk	SCT ds	SCT lw	Field

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 ag	ENG bk	ENG hh	ENG px	ENG re	HOL rb	IRL cu	NOR g5	RUS lk	SCT ds	SCT lw
AFS	345.0	LW	Langebaanweg			01												
AGL	258.0	LU	Luanda /4 de Fevereiro			23												
ALG	268.0	ZAR	Zarzaitine	02		23												
ALG	304.0	MOK	Bordj Mokhtar			22											00	
ALG	342.0	OA	Algiers / Houari Boumedienne															
ALG	353.0	BNA	Beni Amrane		22	22												22
ALG	407.0	BCR	Bechar			23				22			02	01				
ALG	432.0	HMB	Hammam Bou Hadjar for Oran			22												
ALG	435.0	IGZ	In Guezzam			22							01					

IRN	355.0	ARB	Ardabil	20	22									22	
IRN	362.0	DNZ	Dasht-e-Naz / Sari			19								22	00
IRN	370.0	UMH	Uromiyeh											22	
IRN	393.0	RST	Rasht											22	00
IRN	395.0	TBS	Tabas			21									
IRN	450.0	PAD	Parsabade / Moghan		20									22	00
ISL	310.0	SB	Selardalur												01
ISL	316.0	RE	Reykjaneskoli											00	
ISL	325.0	RH	Reykholt											22	01
ISL	334.0	AR	Akureyi											22	
ISL	335.0	VA	Egilsstadir / Vad											00	
ISL	340.0	GJ	Gjogur											00	
ISL	345.0	HL	Vestmannaeyjar / Helgafell			01								01	01
ISL	348.0	HA	Vopnafjordhur / Hofsa			01								01	01
ISL	355.0	RK	Reykjavik											00	01
ISL	373.0	TN	Thorshofn			01								23	01
ISL	375.0	VM	Vestmannaeyjar	01		00		22				01			
ISL	377.0	GA	Husavik / Gardur												01
ISL	387.0	NB	Akureyi / Botn												01
ISL	392.0	KF	Keflavik			01									01
ISL	397.0	SE	Selfoss											00	
ITA	325.0	RCA	Reggio di Calabria (RC)				01								22
ITA	343.0	GRA	Grazzanise (CE)			22									
ITA	386.0	LNE	Milano / Linate (MI)									01			
ITA	392.5	TOP	Torino / Poirino (TO)											22	
ITA	400.5	COD	Codogno (LO)									01			
ITA	401.0	BPL	Bari / Palese (BA)			22									22
ITA	405.0	VIE	Vieste (FG)			22									
ITA	420.0	ABN	Albenga (SV)											00	
JOR	399.0	MDB	Amman / Queen Alia Intl / Madaba			23									
JSY	329.0	JW	Jersey					12						03	
KAL	840.0	KR	Kaliningrad / Khrabovo						21						
KAZ	755.0	T	Atyrau			21								21	
LBY	317.0	KFR	Kufra			22								22	
LBY	357.0	RJ	Tripoli / Mitiga			22									
LBY	390.0	OV	Nafoora M4			22								22	
LBY	400.0	ZT	Agip C97			22								22	22
LBY	413.0	RAG	Raguba			22								22	
LBY	432.0	ZAR	Zwara			22								22	
LBY	440.0	FEL	El Feel			22								22	
LBY	470.0	WF	Wafa			23								23	
LTU	343.0	KUS	Kaunas / Karmelava				23		23	21					
LTU	385.0	AVN	Vilnius								00				
LTU	407.0	PN	Palanga						23		00				01
LUX	368.5	ELU	Luxembourg-Berg				21							00	
MDR	338.0	PST	Porto Santo / Ilheu De Baixo			23	00							01	01
MKD	432.0	Izd	Ohrid / Izdeglavje		01										
MLT	395.0	MLT	Malta			22								22	
MNE	308.0	MOJ	Mojkovac												22
MNE	312.0	DAN	Danilovgrad For Podgorica												22
MNE	345.0	TAZ	Tivat												22
MNE	420.0	GO	Podgorica												22
MRC	275.0	CAE	Ben Slimane						23					00	

SWE	336.0	LT	Halmstad			15												
SWE	349.0	JX	Vaxjo / Kronoberg	20														
SWE	351.0	OV	Visby	20						21								
SWE	377.0	KN	Norrkoping / Kungsangen							22								
SWE	383.0	ERK	Erken		23													
SWE	384.0	TY	Torsby / Fryklanda				00											
SWE	388.0	COR	Corner for Bromma							22								
SWE	390.0	PAJ	Pajala															
SWE	398.0	PEO	Stockholm / Skavsta / Peola								22						23	
SWE	399.0	FM	Trollhattan / Vanersborg														23	
SWE	400.0	EN	Orebro									01						
SWE	402.0	LX	Eskilstuna / Kjula		23													
SWE	417.0	AH	Angelholm / Barkakra									01						
SWE	419.0	RD	Vasteras / Hasslo									01						
SWE	421.0	BL	Borlange / Rommehed / Falun															22
SWE	427.0	LUE	Kramfors / Lunde								22							
SYR	396.0	ALE	Aleppo			22												
TUN	375.0	ZN	Tozeur / Nefta			22					22							
TUR	350.0	HAY	Haymana															22
TUR	356.0	ANK	Ankara / Esenboga															22
TUR	363.0	CIG	Izmir / Cigli / Kaklic	20														
TUR	371.0	TZK	Nevsehir			23												
TUR	372.0	ESR	Eskisehir / Anadolu								22							
TUR	407.0	KSR	Kayseri / Erkilet								22							22
TUR	422.0	CNK	Canakkale								22							22
TUR	433.0	CRD	Cardak / Denizli								22							22
TUR	440.0	MNI	Amasya / Merzifon			22												
TUR	487.0	BEY	Beypazari															22
UKR	445.0	WS	Starokonstantinov		19													
UKR	960.0	CY	Chervonyi								21							
UKR	1290.0	BO	Bohdanivka		19													
UZB	485.0	N	Urganch		01													
UZB	983.0	NU	Urgench			20												
WLS	323.0	WPL	Welshpool					01										
WLS	340.0	HAW	Hawarden									23					12	
WLS	388.5	CDF	Cardiff	00	01		23											
XOE	340.0	HEI	Heidrun		00				23									
XOE	375.0	EKO	Ekofisk L								22							
XOE	433.0	VNS	Castor UGS		01						00							
Cou, S/P	QRG	ID	Name	CZE my	CZE ze	DEU hw	DEU je	ENG ag	ENG bk	ENG hh	ENG px	ENG re	HOL rb	IRL cu	NOR g5	RUS lk	SCT ds	SCT lw

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 ag	ENG bk	ENG hh	ENG px	ENG re	HOL rb	IRL cu	NOR g5	RUS lk	SCT ds	SCT lw
AFS	South Africa			1												
AGL	Angola			1												
ALG	Algeria	2	2	6			1		1		2	3			1	2
ATG	Antigua & Barbuda			1												1
AUT	Austria				3					1						

AZR	Azores			5		1				5				3	5
BAL	Balearic Islands	3	3		1					1	1			3	
BEL	Belgium			2				1	2					1	
BIH	Bosnia-Herzegovina		1				2	2							
BUL	Bulgaria	2	1		1			4				1		1	2
CAN	Canada, NB			3						4					3
CAN	Canada, NL	3		6	3		3			5				1	8
CAN	Canada, NS			1	1		1			1					1
CAN	Canada, QC			4	2		1		1	3					7
CNR	Canary Islands			2						3					4
COR	Corsica	1	1							1					
CPV	Cape Verde	1	1	1			1		1	1				1	1
CYP	Cyprus			2						1					1
CZE	Czechia	1	1					1	1			1			
DEU	Germany		2	2	1	3	1	1		1	1			1	
DNK	Denmark					1	1		1	1					
ENG	England	2			3	3	5	2	3	6	1	2		1	4
ESP	Spain	1	2	5				4	5	6	3			3	7
EST	Estonia				1		2		1	1	1	1	2	1	
FIN	Finland		5	5	5		4			4					5
FRA	France	4	1		6	8	5			6	1	6		6	
FRO	Faroe Islands			2		1	1			1	1			1	2
GEO	Georgia	1	2	2						1					2
GRC	Greece	1	1							1					
GRL	Greenland	1		1						1					
HNG	Hungary									1					
HOL	Netherlands	1			1		2		2	1					
HRV	Croatia			2			1	1	2	1	1	2		1	
IOM	Isle Of Man								1						
IRL	Ireland	2	1	4		1		2			1			1	
IRN	Iran	1	2	5			1			5					5
ISL	Iceland	1		5			1			8	1			3	8
ITA	Italy			3	1					1	2			1	2
JOR	Jordan			1											
JSY	Jersey						1			1					
KAL	Kalinigrad								1						
KAZ	Kazakhstan			1						1					
LBY	Libya			8						6					1
LTU	Lithuania				1		1	2		2				1	
LUX	Luxembourg				1					1					
MDR	Madeira			1	1					1				1	1
MKD	Macedonia		1												
MLT	Malta			1						1					
MNE	Montenegro (Yugoslavia)														4
MRC	Morocco						2		2	1	1			1	
NGR	Niger			1											
NIR	Northern Ireland									1					
NOR	Norway	1	5	5	4	1	5	5	1	5	2	5	10	6	3
ORK	Orkney Islands									1					
PAK	Pakistan			3											
POL	Poland				3			2		1	1			1	5
POR	Portugal			2		2	2		1	2	1	2		2	2
PTR	Puerto Rico, PR			1						1					1

ROU	Romania	2	1	1		2		3	3	1	2	3		1		
RSE	Russia (Eastern)			4									9			
RUS	Russia (European)	5	5	19	2		3	2	3	1	11		1	10	12	
SAR	Sardinia		1	2							1			1		
SCT	Scotland		1	1	1			2	1		1	2		2	1	
SCY	Sicily	1									1				2	
SHE	Shetland Islands			1							1			1		
SRB	Serbia (Yugoslavia)		1	3		4	2		1	1	1			3		
SUI	Switzerland					1					1					
SVK	Slovakia								4		1		1	1		
SWE	Sweden	2	2	1	2	1		3			3	3		2	2	
SYR	Syria			1												
TUN	Tunisia			1							1					
TUR	Turkey	1		2							4				6	
UKR	Ukraine		2								1					
UZB	Uzbekistan		1	1												
WLS	Wales	1	1		1	1					1			1		
XOE	Int Waters: Europe		2				1				2					
Cou	Cou-Name	CZE my	CZE ze	DEU hw	DEU je	ENG ag	ENG bk	ENG hh	ENG px	ENG re	HOL rb	IRL cu	NOR g5	RUS lk	SCT ds	SCT lw

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 ag	ENG bk	ENG hh	ENG px	ENG re	HOL rb	IRL cu	NOR g5	RUS lk	SCT ds	SCT lw
00:00 - 00:59	3	9	17	5		2			3	21		7		15	5
01:00 - 01:59	4	11	17	4	16		1		2	9	38			12	32
02:00 - 02:59	13		9	8	6	4				18					9
03:00 - 03:59						2				5					1
04:00 - 04:59															
05:00 - 05:59															
06:00 - 06:59															
07:00 - 07:59															
08:00 - 08:59															
09:00 - 09:59						2									
10:00 - 10:59															
11:00 - 11:59						6			5						
12:00 - 12:59						7								5	
13:00 - 13:59															
14:00 - 14:59															
15:00 - 15:59			5												
16:00 - 16:59													6		
17:00 - 17:59	1												1		
18:00 - 18:59	1			4								1	7		
19:00 - 19:59	1	3	21	3					6	1			1		
20:00 - 20:59	15	1	6	4			1	4	8				4		
21:00 - 21:59	3		10	7			7	14	5	7					
22:00 - 22:59		12	28	6		10	11	13	4	42		5		11	51
23:00 - 23:59		13	13	10	2	20	15	4	6	7		6		11	12
UTC (hh)	CZE my	CZE ze	DEU hw	DEU je	ENG ag	ENG bk	ENG hh	ENG px	ENG re	HOL rb	IRL cu	NOR g5	RUS lk	SCT ds	SCT lw

NDBs:	41	49	126	51	24	53	35	35	39	110	38	19	19	54	110
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FREQUENCIES REVISITED - Progress Statistics

Please see the explanation below

THEN CLE237 - 190-1740 kHz - 26.10.2018 - 29.10.2018
NOW CLE256 - 190-1740 kHz - 22.05.2020 - 25.05.2020

Listener	Av km		Total km x 1000		NDBs		Max km	
	THEN	NOW	THEN	NOW	THEN	NOW	THEN	NOW
CZE my	1893	1792	112	73	59	41	5023	4929
DEU hw	2698	2846	310	359	115	126	7523	9514
DEU je	2318	1535	199	78	86	51	7482	5229
ENG bk	1926	1640	127	87	66	53	6761	4329
ENG hh	1983	1411	127	49	64	35	4217	2655
HOL rb	2720	2439	315	268	116	110	7041	7041
SCT ds	1654	1585	81	86	49	54	3533	4604
Averages:	2170	1893	182	143	79	67	5940	5472
% Increase:		-13		-21		-15		-8

Listener	Av km		Total km x 1000		NDBs		Max km	
	THEN	NOW	THEN	NOW	THEN	NOW	THEN	NOW
CZE ze		1585		78		49		4869
ENG ag		872		21		24		2624
ENG px		1430		50		35		4472
ENG re		1190		46		39		3918
IRL cu		1386		53		38		2648
NOR g5		900		17		19		2311
RUS lk		1153		22		19		3229
SCT lw		2688		296		110		6557
Averages:		1400		73		42		3829
% Increase:								

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 repeat the same listening challenge 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.