

**NDB LIST CLE No. 243**

**270 - 319.9 kHz**

**26.04.2019 - 29.04.2019**

**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, via Kiwi-SDR at 'Slatina, West Bohemia', CZE (rCZEsl / JN69gw)
<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>	ag	Alan Gale, Whitworth, Lancashire
<b>ENG</b>	bk	Brian Keyte, Bookham, Surrey
<b>ENG</b>	me	Mike Thayne, Whitley Bay
<b>ENG</b>	px	Peter Greatorex, Bolsover, Derbyshire
<b>ENG</b>	yk	Dave Robson, York
<b>HOL</b>	rb	Roelof Bakker, Middelburg, Zeeland
<b>ISL</b>	de	Dan Petersen (WA), via Kiwi-SDR at 'Bjargtangar', ISL (rISLbj / HP75rm)
<b>ITA</b>	ed	Edoardo Nicoletti, Bari
<b>ITA</b>	wb	William G Buchanan, Alessandria
<b>NOR</b>	gl	Geir Laastad, Svelvik
<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 lk	CZE my	CZE ze	DEU bd	DEU hw	DEU je	ENG ag	ENG bk	ENG me	ENG px	ENG yk	HOL rb	ISL de	ITA ed	ITA wb	NOR gl	SCT ds
<b>ALG</b>	300.0	OEB	Oum El Bouaghi ???					23									23			
<b>ALG</b>	304.0	MOK	Bordj Mokhtar					00									01			
<b>AUT</b>	290.0	GRZ	Graz	20	15	18	18	14	19		22	22	20				23	19	02	
<b>AUT</b>	293.0	STE	Wien / Schwechat / Steinhof		15	19		13	20								23			
<b>AUT</b>	303.0	RTT	Innsbruck / Rattenberg	20	16	18	18	18	19		22		20	22	19		23	19		
<b>AUT</b>	313.0	KI	Klagenfurt	22	19	22		19							22		23	21		
<b>BEL</b>	290.0	ONL	Liege / Bierset		20	19		14	21		11	22	15	20	10		23			22
<b>BEL</b>	293.0	OB	Brussels National		01	20		14	21		11	22	15	20	10		23		22	22
<b>BEL</b>	314.0	OZ	Brussels National					01	21	01	11	21	20	21	10		23			23

BLR	308.0	G	Minsk 2			21		00												
BLR	308.0	V	Minsk 2					18										23		
BRI	316.0	BJO	Bjornoya / Bear Isl					22												
BUL	284.0	GNA	Gorna	21		18	22	18	20		19	22	20	20	21		23	20	01	22
BUL	297.0	BD	Pazardjik / Malak Chardak					22									01			
BUL	312.0	BOZ	Bozhurishte	22	19	20	22	18	22		22	21	21	00	22		23	20		
CAN, MB	305.0	YQ	Churchill / Eastern Creek												03	05				
CAN, NL	270.0	ZNF	"Wabana" Saint John's													05				
CAN, NL	280.0	QX	Gander		02			01				04			04	05				02
CAN, NL	281.0	CA	Cartwright		02			01				04		03	03	05				02
CAN, NU	277.0	YLC	Kimmirut													05				
CAN, QC	276.0	YHR	Chevery		02			01				04			04	05				01
CAN, QC	278.0	NM	Matagami													05				
CPV	274.0	SAL	Sal Island / Amilcar Cabral		01	23		01			22	22	22		00					23
CZE	300.0	KD	Kbely / Praha East	20	15	15	15	14	02									23		
DEU	284.0	FSB	Fassberg		02	04	15	13	19		21	22	22	03	21					
DEU	284.5	DY	Dusseldorf					14												
DEU	286.0	HFX	Hohenfels		15	15	04	19	02											
DEU	292.0	NKR	Neckar		19	15	04	14	02						01		23			
DEU	297.0	FR	Frankfurt		02	19	03	14				22				01	01			
DEU	299.0	SL	Berlin / Schonefeld				04	15	13	02										
DEU	300.5	LW	Koln / Bonn				23	03	14	02			23		02		01			
DEU	309.0	MW	Berlin / Schonefeld		16	18	15	13	19						21		23		22	
DEU	311.0	CEL	Celle		19	04	15	13	19		21	22	22	21	21	01	01		22	23
DEU	311.0	LMA	Lima / Bruggen		19	18	05	14	19		11	22	15	21	10	23		22		23
DEU	311.0	NSN	Niederstetten		19	15	05	14	20				21		00	23				23
DEU	315.0	PAH	Parchim		02															
DEU	318.0	AGB	Augsburg		20	15		14	20			21					01			23
DEU	318.0	HIG	Bremen		03	20	15	13	19		22	21	21	21	19		01			23
DNK	316.0	IN	Sonderborg					14	19											
ENG	277.0	CHT	Chiltern		02	23		01	22	15	11	22	15	20	10					22
ENG	316.0	EPM	Epsom for Heathrow					01		01	11	22	15	21	10					23
ENG	318.0	BPL	Blackpool							14		22	16	21						01
ESP	285.0	GR	Granada								23									
ESP	310.0	AMN	Almeria								23				00					22
ESP	319.0	ECV	Colmenar Viejo		02			01				22	22	01	23		23			23
EST	317.0	OZ	Kardla	22	20	20	22	13			22	21	21	21	23		23		23	23
FRA	286.5	TA	Villacoublay / Velizy			00		22			11		15	01	10		01			
FRA	288.5	AVD	Avord					02			12									
FRA	289.0	HR	Hericourt		01	20		01									23			22
FRA	291.0	WS	Grenoble / St Geoirs			20		01									23			22
FRA	299.0	BO	St Etienne / Boutheon		01	22		01									01	19		22
FRA	302.0	ROM	Rodez / Marcillac			21	01										02			
FRA	309.0	DO	Dole / Tavaux		02	20	00	19			23	22	22	00	01		23	20		22
FRA	315.0	HOL	Villacoublay / Velizy		02	00	22	01	21		11	21	20	21	10		23			23
FRA	317.0	VS	Valenciennes / Denain		02	21		01	22		11	22	16	21	10		23			23
FRA	318.0	BE	Bordeaux / Merignac					23			23		22				23	22		00
GRC	291.0	KZN	Kozani / Filippou					22									23			
GRC	307.0	THR	Santorini / Thira					22									01			
GRC	318.0	KEF	Keffalinia					22									23			
GRL	279.0	SI	Simiutaq (Kitaa)												05					
HNG	295.0	DC	Debrecen		19	20	00	18									23			

HNG	318.0	PC	Papa / Parduc							23								
HRV	289.0	RI	Rijeka / Krk		01	20		22	01			22		00			23	20
HRV	316.0	TNJ	Tounj	20	20	20	21	19	20			22	21	21	23		23	20
HRV	318.0	KLP	Dubrovnik / Kolocep	22	20	21		19	00			01	22	21	22		23	21
IRL	316.0	OE	Dublin			21		01		14	22	21	15	21	23			23
IRN	280.0	ARK	Arak					21										
IRN	288.0	KHY	Khoy					21										
IRN	310.0	GGN	Gorgan					21										
ISL	308.0	GR	Grimsey												05			
ISL	310.0	SB	Selardalur					02							05			
ISL	316.0	RE	Reykjaneskoli												05			
ISL	319.0	HJ	Akureyri / Hjalteyri												05			
ITA	285.0	URB	Roma / Urbe (RM)		20	20										23	20	
ITA	292.0	NOV	Novara (NO)		02	21		22								23	10	
ITA	301.5	CMP	Campagnano (RM)		19	01		22	21			00		00	22	23	19	
ITA	301.5	TRE	Treviso (TV)		02	01	23	22								23	10	
ITA	312.0	TAQ	Tarquinia (VT)		02	00		22	23			21		21		23	21	
ITA	318.0	GEN	Genova (GE)		02	00		01	00		23	22		01		23	10	23
LBY	310.0	VA	Amal V12													23		
LBY	317.0	KFR	Kufra					22				00				23		
LUX	307.0	DIK	Diekirch		19	18	21	14	19		11	22	20	20	10		23	20
LUX	318.0	LE	Luxembourg-Est		02	21	21	01	21		21	21	20	01	10		23	22
MKD	295.0	PT	Skopje		20	21		22				22				23	20	
MKD	297.0	PEP	Prilep		02	23	22	19	22			23				23	19	
MNE	302.0	NIK	Niksic		02	23		22	23			23				23	20	
MNE	308.0	MOJ	Mojkovac	20	19	21	00	19					01			23	20	
MNE	312.0	DAN	Danilovgrad For Podgorica			01											21	
MRC	274.0	TNA	Tan Tan					01										
MRC	275.0	CAE	Ben Slimane					00			22							
MRC	282.0	NSR	Casablanca / Mohamed V								22				23		01	22
NGR	293.0	ARL	Arlit					22									01	
NOR	283.0	KBV	Kobbevag For Tromso / Langnes					22										
NOR	284.5	LVK	Namsos / Leirvika					01									01	01
NOR	299.5	KN	Svolvaer / Helle / Skrova					22			22	22	22	22	22	01	23	
NOR	303.0	KPG	Sogndal / Haukasen / Kaupanger					01	22		22	23	22	22	22		02	00
NOR	317.0	STT	Bodo / Stott					20										
NOR	319.0	VAR	Stavanger / Sola / Varhaug		02	00	21	14	20		11	22	16	21	10	23	02	23
POL	280.0	ND	Swidwin		01	20	04	13	19		23				22	23		22
POL	290.0	NW	Oksywie					02										
POL	300.0	NE	Pruszcz Gdanski					19										
POL	311.5	ML	Cewice			17	18	13										
ROU	318.0	OTR	Bucuresti / Otopeni		21	21		18	23								23	
RUS	277.0	PO	Pulkovo			23		01										
RUS	289.0	AP	Chertovitskoye / Vorenezh		20	23												
RUS	289.0	WR	Chertovitskoye / Voronezh		01	20		19										
RUS	294.0	GT	Moscow / Vnukovo					01										
RUS	305.0	P	Ostafyevo					22										
RUS	307.0	LA	Lazarevskoye		02	21		01								23		
RUS	307.0	VA	Dobrinskoye					22										
SAR	316.0	CAL	Cagliari / Elmas		02			01									01	
SCY	317.5	TRP	Marsala (TP)			22												
SHE	315.5	SS	Scatsta					01				23	21		22			23

SRB	294.0	VRA	Vrsac					19												
SRB	300.0	PV	Novi Sad / Cenej / Petrovaradin		20	20	22	18	20			23					23	22	02	
SRB	316.0	JA	Beograd		02			19								23				
SVK	297.0	PNY	Piestany			15														
SVK	317.0	PPD	Poprad / Tatry	22	20	20	22	18				21	22	21	23					
SVN	296.0	MG	Ljubljana	21	19	19	22	18	00			22	22	01			23		22	
SWE	285.0	LCF	Linkoping / Malmen		20	20		18	20			22			23			00	22	
SWE	300.0	SC	Linkoping / Malmen And Saab		20	22	00	18	21			22	22	21	22			02	22	
SWE	309.0	LG	Satenas / Tune		02	23		19	20			22	21	21		01		02	00	
SWE	312.0	DJ	Ostersund/Froson					22							22			23		
SWE	312.0	KBG	Karlsborg		02	01		19	21						22			02		
SWE	318.0	LP	Ronneby / Kallinge		02	21		13	21					22		23		02	23	
TUR	285.0	AN	Ankara / Esenboga					22								01				
TUR	292.0	CAY	Caycuma					18								01				
TUR	305.0	NK	Ankara / Esenboga													01				
TUR	307.0	CTP	Cengiz Topel					21								01				
TUR	315.0	EN	Izmir / Adnan Merendes					22								01				
TUR	316.0	GZP	Gazipasa													23				
TUR	317.0	EKI	Tekirdag					22								01				
UKR	285.0	F	Simferopol					22												
UKR	290.0	IF	Ivano-Frankovsk			01		02												
UKR	295.0	ZA	Zaporizhzhia					18								23				
UKR	309.5	TR	Mys Tarkhankutskiy Lt.		02															
UKR	310.0	NO	Kiev / Borispol					20								01				
XUE	315.0	X	UNID					22												
Cou, S/P	QRG	ID	Name	CZE lk	CZE my	CZE ze	DEU bd	DEU hw	DEU je	ENG ag	ENG bk	ENG me	ENG px	ENG yk	HOL rb	ISL de	ITA ed	ITA wb	NOR gl	SCT ds

## COUNTRIES HEARD:

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

Cou	Cou-Name	CZE lk	CZE my	CZE ze	DEU bd	DEU hw	DEU je	ENG ag	ENG bk	ENG me	ENG px	ENG yk	HOL rb	ISL de	ITA ed	ITA wb	NOR gl	SCT ds
ALG	Algeria					2									2			
AUT	Austria	3	4	4	2	4	3		2	1	2	1	2		4	3	1	
BEL	Belgium		2	2		3	3	1	3	3	3	3	3		3		1	3
BLR	Belarus			1		2									1			
BRI	Bear Island (Bjornoya)					1												
BUL	Bulgaria	2	1	2	2	3	2		2	2	2	2	2		3	2	1	1
CAN	Canada, MB												1	1				
CAN	Canada, NL		2			2				2		1	2	3				2
CAN	Canada, NU													1				
CAN	Canada, QC		1			1				1			1	2				1
CPV	Cape Verde		1	1		1			1	1	1		1					1
CZE	Czechia	1	1	1	1	1	1								1			
DEU	Germany		11	12	11	13	11		4	6	6	4	8		9		3	5
DNK	Denmark					1	1											
ENG	England		1	1		2	1	3	2	3	3	3	2					3
ESP	Spain		1			1			2	1	1	1	2		1			2
EST	Estonia	1	1	1	1	1			1	1	1	1	1		1		1	1



13:00 - 13:59					10													
14:00 - 14:59					14													
15:00 - 15:59		4	6	6														
16:00 - 16:59		2																
17:00 - 17:59			1															
18:00 - 18:59			6	3	13													
19:00 - 19:59		11	4		13	10		1								5		
20:00 - 20:59	5	12	16		2	9										10		
21:00 - 21:59	2	1	12	4	4	9			3	10						4		
22:00 - 22:59	5		4	8	25	5			14	23						2	6	14
23:00 - 23:59			8	1	2	3			6	7							3	19
UTC (hh)	CZE lk	CZE my	CZE ze	DEU bd	DEU hw	DEU je	ENG ag	ENG bk	ENG me	ENG px	ENG yk	HOL rb	ISL de	ITA ed	ITA wb	NOR gl	SCT ds	
NDBs	12	64	70	34	114	45	5	36	46	39	34	51	12	78	24	20	40	

**NDB COUNTS, BY FREQUENCY:**

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

NDBs	QRG	CZE lk	CZE my	CZE ze	DEU bd	DEU hw	DEU je	ENG ag	ENG bk	ENG me	ENG px	ENG yk	HOL rb	ISL de	ITA ed	ITA wb	NOR gl	SCT ds	NDBs
1	270.0													1					1
2	274.0		1	1		2			1	1	1		1					1	2
1	275.0					1			1										1
1	276.0		1			1				1			1	1				1	1
3	277.0		1	2		2	1	1	1	1	1	1	1	1				1	3
1	278.0													1					1
1	279.0													1					1
3	280.0		2	1	1	3	1		1	1			2	1	1		1	1	3
1	281.0		1			1							1	1	1			1	1
1	282.0								1						1			1	1
1	283.0					1													1
2	284.0	1	1	2	2	2	2		2	2	2	2	2		1	1	1	1	2
2	284.5					2											1		2
5	285.0		2	2		3	1		2		1		1		2	1	1	1	5
1	286.0		1	1	1	1	1												1
1	286.5			1		1			1		1	1	1		1				1
1	288.0					1													1
1	288.5					1			1										1
4	289.0		4	4		3	1				1		1		2	1		1	4
4	290.0	1	2	3	1	4	2		2	2	2	1	1		2	1	1	1	4
2	291.0			1		2									2			1	2
3	292.0		2	2	1	3	1						1		3	1			3
3	293.0		2	2		3	2		1	1	1	1	1		3		1	1	3
2	294.0					2													2
3	295.0		2	2	1	3				1					3	1			3
1	296.0	1	1	1	1	1	1			1	1	1			1			1	1
4	297.0		2	3	2	3	1			1	1				3	1			4
2	299.0		1	2	1	2	1								1	1		1	2

1	299.5					1			1	1	1	1	1		1		1		1
5	300.0	1	3	3	3	5	3		1	2	1	1	1		3	1	2	1	5
1	300.5			1	1	1	1			1			1		1				1
2	301.5		2	2	1	2	1			1		1	1		2	2			2
2	302.0		1	2	1	1	1			1		1	1		2	1			2
2	303.0	1	1	1	1	2	2		2	1	1	2	2		1	1	1	1	2
1	304.0					1									1				1
3	305.0					1							1	1	1				3
5	307.0		2	2	1	5	1		1	1	1	1	1		4	1	1	1	5
4	308.0	1	1	2	1	3						1	1	1	2	1			4
3	309.0		3	3	2	3	2		2	2	2	1	3		3	1	2	2	3
1	309.5		1																1
5	310.0					3			1				1	1	2			1	5
3	311.0		3	3	3	3	3		2	2	3	2	3		3		2	3	3
1	311.5			1	1	1													1
5	312.0	1	3	4	1	4	3		1	2	2	1	4		2	3	2		5
1	313.0	1	1	1		1							1		1	1			1
1	314.0					1	1	1	1	1	1	1	1		1			1	1
4	315.0		2	1	1	3	1		1	1	1	1	1		2			1	4
1	315.5					1							1						1
9	316.0	1	3	2	1	7	2	2	2	3	3	3	3	1	4	1		3	9
6	317.0	2	3	3	2	6	1		2	4	3	3	3		5		1	2	6
1	317.5			1															1
11	318.0	1	7	7	2	9	7	1	4	7	5	5	4		9	3	1	7	11
3	319.0		2	1	1	2	1		1	2	2	2	2	1	2		1	2	3
<b>NDBs</b>	<b>QRG</b>	<b>CZE</b>	<b>CZE</b>	<b>CZE</b>	<b>DEU</b>	<b>DEU</b>	<b>DEU</b>	<b>ENG</b>	<b>ENG</b>	<b>ENG</b>	<b>ENG</b>	<b>ENG</b>	<b>HOL</b>	<b>ISL</b>	<b>ITA</b>	<b>ITA</b>	<b>NOR</b>	<b>SCT</b>	<b>NDBs</b>
		<b>lk</b>	<b>my</b>	<b>ze</b>	<b>bd</b>	<b>hw</b>	<b>je</b>	<b>ag</b>	<b>bk</b>	<b>me</b>	<b>px</b>	<b>yk</b>	<b>rb</b>	<b>de</b>	<b>ed</b>	<b>wb</b>	<b>gl</b>	<b>ds</b>	

**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
285.0	GR	Granada		ESP	bk	2332
270.0	ZNF	"Wabana" Saint John's	NL	CAN	de	0525
277.0	YLC	Kimmirut	NU	CAN	de	0521
278.0	NM	Matagami	QC	CAN	de	0226
279.0	SI	Simiutaq (Kitaa)		GRL	de	0523
308.0	GR	Grimsey		ISL	de	0525
316.0	RE	Reykjanesskoli		ISL	de	0527
319.0	HJ	Akureyri / Hjalteyri		ISL	de	0528
305.0	NK	Ankara / Esenboga		TUR	ed	0138
310.0	VA	Amal V12		LBY	ed	2340
316.0	GZP	Gazipasa		TUR	ed	2340
274.0	TNA	Tan Tan		MRC	hw	0154
280.0	ARK	Arak		IRN	hw	2130
283.0	KBV	Kobbevag For Tromso / Langnes		NOR	hw	2230
284.5	DY	Dusseldorf		DEU	hw	1417
285.0	F	Simferopol		UKR	hw	2200

288.0	KHY	Khoy	IRN	hw	2100
290.0	NW	Oksywie	POL	hw	0230
294.0	GT	Moscow / Vnukovo	RUS	hw	0130
294.0	VRA	Vrsac	SRB	hw	1930
300.0	NE	Pruszcz Gdanski	POL	hw	1900
305.0	P	Ostafyevo	RUS	hw	2200
307.0	VA	Dobrinskoye	RUS	hw	2230
310.0	GGN	Gorgan	IRN	hw	2100
315.0	X	UNID	XUE	hw	2230
316.0	BJO	Bjornoya / Bear Isl	BRI	hw	2230
317.0	STT	Bodo / Stott	NOR	hw	2030
318.0	PC	Papa / Parduc	HNG	me	2301
309.5	TR	Mys Tarkhankutskiy Lt.	UKR	my	0246
315.0	PAH	Parchim	DEU	my	0246
297.0	PNY	Piestany	SVK	ze	1518
317.5	TRP	Marsala (TP)	SCY	ze	2212

## FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

THEN  
NOW

CLE229 - 270-319.9 kHz - 23.02.2018 - 26.02.2018  
CLE243 - 270-319.9 kHz - 26.04.2019 - 29.04.2019

Listener	Av		Total		NDBs		Max	
	km	km	km x	km x	THEN	NOW	km	km
	THEN	NOW	1000	1000	THEN	NOW	THEN	NOW
CZE lk	674	671	18	8	26	12	1442	1160
CZE my	1007	1010	72	65	72	64	4892	5020
CZE ze	814	814	58	57	71	70	5074	4869
DEU bd	602	618	32	21	53	34	1396	1396
DEU hw	1207	1334	128	152	106	114	4952	4952
DEU je	1140	728	99	33	87	45	5806	1641
ENG ag	1225	287	31	1	25	5	4458	554
ENG bk	1186	1051	49	38	41	36	4329	4329
ENG me	1307	1473	68	68	52	46	4639	4639
ENG px	1145	1079	48	42	42	39	4472	4472
ENG yk	1299	1105	60	38	46	34	4555	3585
HOL rb	1263	1229	105	63	83	51	5710	5710
ITA ed	410	1136	5	89	12	78	756	3008
ITA wb	774	626	26	15	33	24	1942	1361
SCT ds	1361	1482	48	59	35	40	4604	4604
<b>Averages:</b>	1027	976	56	50	52	46	3935	3420
<b>% Increase:</b>		-5		-11		-12		-13



Listener	Av	Av	Total	Total	NDBs	NDBs	Max	Max
	km	km	km x	km x			km	km
	THEN	NOW	1000	1000	THEN	NOW	THEN	NOW
ISL de		1760		21		12		3502
NOR gl		779		16		20		2113
<b>Averages:</b>		1269		18		16		2808
<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.