

COMBINED RESULTS
EUROPE

For overall statistics, please see the covering email.

Reporters:

CZE	lk	Ludek Kosek, Jablonec nad Nisou, N. Bohemia
CZE	my	Milos Holy, Lhota pod Radcem
CZE	ze	Zdenek Elias, via Kiwi-SDR at 'Slatina, West Bohemia', CZE (rCZEsl / JN69gw)
DEU	bd	Bernhard Hein, Dessau-Roßlau
DEU	hw	Hartmut Wolff, Near Wolfsburg
DNK	j7	Joachim Rabe, while near Nr. Lyngvig
ENG	ag	Alan Gale, Whitworth, Lancashire
ENG	ap	Andrew Price, Aston, Sheffield
ENG	bk	Brian Keyte, Bookham, Surrey
ENG	hh	Brian Heath, Stapleton, Leicestershire
ENG	me	Mike Thayne, Whitley Bay
ENG	px	Peter Greatorex, Bolsover, Derbyshire
ENG	re	Ray Evans, Bolsover, Derbyshire
ENG	yk	Dave Robson, Strensall, York
FIN	jr	Jari Sillanpaa, North Ostrobothnia
FIN	ks	Kari Syrjänen, Aitomaki, near Kouvola
FIN	ro	Raimo Karjalainen, Laukaa, near Jyväskylä
FRA	fb	Franck Baste, St Bonnet de Rochefort
HOL	rb	Roelof Bakker, Middelburg, Zeeland
ITA	wb	William G Buchanan, Alessandria
NOR	gl	Geir Laastad, Svelvik
POL	ls	Leslaw Sieron, Near Lodz
SCT	ds	David Atkins, Tighnabruaich, Argyll
SCT	lw	Jay Law, North Ballachulish
SCT	wk	Mark Borthwick, near Hawick

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)

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	DNK j7	ENG ag	ENG ap	ENG bk	ENG hh	ENG me	ENG px	ENG re	ENG yk	FIN jr	FIN ks	FIN ro	FRA fb	HOL rb	ITA wb	NOR gl	POL ls	SCT ds	SCT lw	SCT wk
ALG	353.0	BNA	Beni Amrane		04	19	23	18	20		22			00				19	18		16	00	21		17		20	
ATG	369.0	ZDX	Coolidge Saint Johns					00	01		23			04			03	05	04		06	03					07	
AUT	358.0	TUN	Tulln für Schwechat	19	17	16	17	11	18		17	23	19	01	19	23	03	19	12	22	00	18	16	01	17	23	17	
AZR	351.0	PD	Ponta Delgada					20	04		19			00			03		22			23					19	03
AZR	360.0	HT	Horta / Faial Island					19	21		17		19	00			03	06	23			00				23	19	00
BAL	351.0	CST	Costix for Palma De Mallorca		04	16	23	21	21						00			00	23		16					00		
BEL	352.5	DD	Oostende		19	19	00	11	12		17	12	15	12	15	23	03	19	15		16	18			18	22	17	03
BEL	355.0	ONW	Antwerpen / Deurne		17	16	16	11	11	22	17	12	15	12	15	22	20	19	13		16	18		00	17	22	17	

BEL	360.5	MAK	Mackel for Brussels Ntl			18	16	17	11	11	23	17	12	15	12	15	22	03	19	13		20	19		01	17	23	17	03					
BIH	357.5	KG	Sarajevo / Butmir / Kobiljaca			17	22	00	14	20		20	23		01			03	19	00			23			20		01						
BRA	360.0	JAC	Jacare-a-Canga (PA)																										04					
BUL	350.0	DWN	Devnya For Varna			16	18	21	13	17		17	21		00	22		20	19	15	02	20	00		00	17		19						
CAN, NB	363.0	1F	"Manta" Bathurst						02				03															01						
CAN, NB	366.0	ZMN	Lewisville (Moncton)																									04						
CAN, NL	356.0	AY	St Anthony					21	23			21	23		23	22	01	03		22		00	01			01	22	19	00					
CAN, NL	358.0	NL	Signal Hill (Saint John's)					23				23																07	02					
CAN, NS	364.0	ZHZ	"Split Crow" Halifax																										01					
CAN, NT	356.0	ZF	Yellowknife							03									14															
CAN, NU	350.0	RB	Resolute Bay						23	00								00				09						04	01					
CAN, NU	362.0	YZS	Coral Harbour							22												02						04						
CAN, NU	365.0	YGZ	Grise Fiord							23																								
CAN, QC	356.0	YBG	Bagotville										02															04						
CAN, QC	360.0	PN	Port-Menier / Ile Anticosti					22	06						00	22	01	03					00	06			23	07	02					
CAN, QC	362.0	SC	Sherbrooke																									02						
CAN, QC	366.0	YMW	Maniwaki					04															04	05				07						
CHN	350.0	HG	Hengshui						20																									
CHN	356.0	LH	Huguang																															
CHN	361.0	LZ	Liling																			16	22											
CHN	363.0	DY	Yabrai						20													17	15											
CHN	365.0	HD	Tumurtai																															
CHN	365.0	KY	Wangbingou						18																									
CHN	369.0	ZF	Hekou																			17	22											
CNR	365.0	VR	Gran Canaria / Las Palmas						19	21					00	19	22	00				21	04					23	19	02				
COR	365.0	RB	Ajaccio / Campo del Oro			18	23		17	01												02	00					23						
CZE	362.0	X	Namest nad Oslavou			23	18	16	19	11	22		17		19							19	13			22	20		21	19				
CZE	365.0	L	Karlovy Vary / Vrata			18	17	17	11	18					01							03	21	15			20		17	19				
DEU	350.0	FU	Hamburg West			22	16	15	16	11	11	23	17	13	15	12	16	20	00			19			16	18		21	17	22	17	00		
DEU	352.0	LAA	Niederrheim				17	16	16	11	11		17	13	15	12	15	23	03			19	13		16	18		22	17	22	17	00		
DEU	353.0	KIL	Kiel / Holtenau			22	17	16	16	11	11	22	17	13		12	18	23	03			19	12	17	19	23		23	17	22	17	01		
DEU	354.0	PAD	Paderborn / Lippstadt				17	16	16	11	11		17	21	19	23	16	23	03			19	15		19	18		17	17	17	03			
DEU	357.0	SKZ	Leipzig / Halle			19	17	16	17	11	11		17	18	19	00	21					20	19	12	17	18	18		01	17	17	01		
DEU	358.0	MSE	Munchen			22	17	16	17	11	18		17	18	19	01		22	03			19	15		01	23	16	18	17	17				
DEU	360.0	SR	Saarbrucken / Ensheim				18	16	17	11	18		17	21	19	00	19	01	20			20	19	18		20	19		20	17	17			
DEU	365.0	LJ	Koln / Bonn				19	17	17	11	14		17	12	20	00	16	22	03			21	15		19	19		02	17	23	17	01		
DEU	368.0	BYC	Buckeburg				19	17	17	11	11	23	17	23	15	05	16	23	20			21	12		18	20		00	17	23	17	04		
DEU	369.0	MNE	Munchen			22	19		17	11	00		00	21		05	16	23	03			04	22		23	23	22	17	17	17				
DNK	351.0	KP	Karup				02		11	11			17				23				00	13	18			20		23	00	02				
DNK	357.0	KD	Kolding / Vamdrup				17	22	19	11	11		17	21			00	18			20	19	12			23		01	17	17				
DNK	368.0	RK	Copenhagen / Roskilde			22	03	17	00	11	11		17	21			05				20	21	12		17	23		00	17	17				
DNK	369.0	KA	Karup						11	11			17	23			05	21			03		12		23	00		17	19					
ENG	352.0	NT	Newcastle				04			11	11	22	17	12	18	12	15	23	03			19	13		18	18		23	01	12	17	18		
ENG	352.0	WOD	Woodley				03			14	18	22	17	12	15	12	15	23	03			19	18		16	18			22	17	17			
ENG	353.5	EME	East Midlands					03	13	21	22	14	12	15	12	15	22	03						20	18			22	19					
ENG	356.0	WBA	Wolverhampton				04			13	13	23	17	12	15	12	15	22	20			19	18		16	01		00	01	12	17			
ENG	362.5	SND	Southend-On-Sea				03			13	18		14	12	15	12	16	00	03			19	18		19	19			01	17	17			
ENG	365.0	KIM	Kirmington							19		23	17	12	15	12	16	22	03			05	04		19	19			23	19				
ENG	367.5	OX	Oxford / Kidlington				04	22	22	13	11	23	14	12	15	12	16	00	20			21	18		16	20		00	23	23	17			
ENG	368.5	WHI	Whitegate for Hawarden							19	21	23	17	12	15	12	16	23				20	19	22		20	23		23	17	17			
ENG	369.0	RCH	Rochester							19			17	12	15							20	02	22			20			19				
EQA	365.0	PAL	Palma																														05	
ESP	350.0	GM	Malaga							01			03					00												02				
ESP	354.0	PP	Pamplona																															
ESP	356.0	SGO	Sagunto				04	20	01	19	21		17	21		00	20	00	00			19	04		00	00	17		21	23	19			
ESP	362.0	EBT	Betera / Valencia							20			21									02	22		00	00				20				
EST	366.0	U	Tartu							13	14		17									20	21	12			23		00				17	

FIN	352.0	PSJ	Seinajoki	23	17	16	18	11	13		17	21		00	18	23	03	19	12	17		18		23	17		17	00		
FIN	354.0	G	Ivalo / Palotievanniemi					14	22		17							19	12	20		01		00						
FIN	364.0	B	Kittila / Pahtajanka					17	22		17							19	12	18					23					
FIN	365.0	VS	Tampere / Pirkkala / Vesilahti	20	18	17	17	11	13	23	17	23		00	17		20	21	12	18		18		00	17	23	17	00		
FRA	350.0	MUT	Muret / Lherm					19	19					23	19	21						15	04							
FRA	351.0	BSC	Brive / Souillac		04	22		19		22	17	23		23		23	03	05				10	18	23			20			
FRA	351.0	DSA	Dieppe / St Aubin			18	19	13	16		17	12	15	12	15	17		19				18	18		01		00	17		
FRA	351.0	OSA	Ouessant					22		22	17	22	18				03	04				18	01				00			
FRA	351.0	PL	Perpignan / Rivesaltes					21						23								20								
FRA	353.0	BN	Basle / Mulhouse / Habsheim		17	16	23	13	21		17	18	18	00			03	05	18			16	23	23		01		17		
FRA	353.0	SB	St. Briec / Armor			19		17	15		17	12	15	12		00	03	19	18			18					00	17		
FRA	354.0	MTZ	Metz / Nancy-Lorraine		17	16	16	11	15	22	17	13	18	23	15	22	03	19	13			16	18	16	23	17	22	17	01	
FRA	354.0	NG	Nimes / Garons		17	20	01	17	19		16						01	18	18			16	18	17						
FRA	356.0	CVU	Castres / Mazamet					22	19									02	18			16	01	16			01			
FRA	357.0	LP	Cholet / Le Pontreau		04	16		19	16	23	17	12	21	00	17	17	00	19	18			16	00	23		01		23	17	03
FRA	358.0	BRS	Biscarosse / Parentis					19	21	22	17	23		00	17	01			01			18	01					23	20	
FRA	358.0	LT	Le Touquet / Paris-Plage					13	12		17	12	15	01	15	23	20	19	18			18				21			17	
FRA	358.0	RNN	Roanne / Renaison		17	20	17	13	18	23	17	18		00	23	23	03	19	18			16	23	22		00	23	17		
FRA	359.0	LOR	Lorient / Lann Bihoue		04	21	19	11	15		17	12	15	00	15	22	03	19	18			16	19			18	23	17	20	
FRA	361.0	NB	Bordeaux / Merignac		21	21	01	19	15	23	17	21	21	00	16	00	20	19	18			16	19	00		20	00	19		
FRA	363.0	PI	Poitiers / Biard		19	21	23	14	19	23	17	12	21	00	19	23	03	19	18			16	19	22		01	23	17		
FRA	364.0	PU	Pau / Pyrenees		21	21		19	19	23	17	23		00	19	23	00	02	04			16	23	00		01	23	20		
FRA	367.0	ASM	Clermont-Ferrand / Auvergne		03	17	23	14	18	23	14	18		01	19	23	03	21	18			16	20	00			23	17		
FRA	368.0	TLB	Toulouse / Blagnac		19	17		19	21		21	18	21			22	00	19	18			16	23					20		
FRA	369.0	CM	Avignon / Caumont					18	17										22			16	01							
FRA	369.0	GL	Nantes / Atlantique					22	19	22	23	17	18	16	05	17	21	00	04	22		16	23				23	17		
GEO	353.0	BT	Ali					19									20	19	13							18		19		
GRC	351.0	ALP	Alexandroupolis					17										19	22											
GRC	362.0	LSA	Larissa	22	18	17	22	21					19	00									19	22		23		19		
HOL	350.5	ROT	Rotterdam			19	16	19	11	12		17	12	15	12	15	23	20	19	15		03	17		22	17	22	17	02	
HOL	357.0	VZ	Eelde / Groningen					21	11	11		17	13				00	03	19	15			17				17			
HOL	369.0	PS	Rotterdam Locator					19										12	17				20				17			
HRV	350.0	SK	Zagreb / Pleso / S. Kraljevec	22	16	17	18	13	15		17	21	18	23	22	23	03	19	15	22		19	18	15	00	17		19		
HRV	351.5	PLA	Pula	19	16	16	16	13	15	23	17	23	18	23	16	22	03	19	15			20	18	11	22	17	22	17		
HRV	367.0	ZAG	Zagreb	19	19	21	17		15		22	21		00	23	23						02	18	16		17	23	19		
HRV	369.0	VRS	Vrsar	20	19	17	17	13	16		17	21		05	17	00	20	21	18			18	20	11		19	23	17		
IOM	359.0	RWY	Isle Of Man / Ronaldsway					14	22	23	17	12	15	12	15	23	03	19	18			18	20			01	12	17	18	
IRL	361.0	CFN	Donegal / Carrickfin					19	22	23	17	21	15	00	15	22	03	19	22			22	20			23	12	19	18	
IRL	364.0	KNK	Connaught					19	02		17			19	00	19	21	20	05	22			20				23	17	18	
IRL	368.0	WTD	Waterford					19	22		17	18	15	12	16	23	20	02	22			18	20				23	17	03	
IRN	355.0	ARB	Ardabil		17	19		22	21		17	23						19	12			22	20	00	00	18		17		
IRN	362.0	DNZ	Dasht-e-Naz / Sari		03			17			17								13				19					19		
IRN	363.0	SHD	Maragheh / Sahand						21																					
IRN	365.0	AJ	Aghajari					18																						
IRN	366.0	SNJ	Sanandaj					18											21	00										
ISL	351.0	BL	Blonduos					20				16										00						22	19	03
ISL	355.0	RK	Reykjavik					20	00			20			23	00	00	20	19			20					22	17	00	
ISL	364.0	KN	Kristnes					21																				20		
ISL	365.0	ES	Egilsstadir					20	00			16															23	04	03	
ITA	350.0	BLA	Cerrione (BI)			16	15	16	13	18		21	00	15	23			19	18			19	18	11				04		
ITA	351.0	POM	Pomigliano d'Arco (NA)					17	21			02							21	22			19	23						
ITA	357.0	CAS	Caselle Torinese (TO)			17	16	16	12	18		17	02		03			19	18			19	00	11		18	00	17		
ITA	357.5	FAL	Falconara Marittima (AN)		19	17	16	19	13	14	23	17	18	20	00	17	22	03	19	13			19	18	16	01	18		17	00
ITA	364.0	MAL	Gallarate / Malpensa (VA)		22	18	17	17	13	18		21	21		00	19		03	21	18			19	20	11	00	00	00	17	
KAL	358.0	B	Chkalovsk / Kaliningrad					16																						
LBY	357.0	RJ	Tripoli / Mitiga					19				16						20	19	04			00							
LUX	368.5	ELU	Luxembourg-Berg			19	17	17	11	14		17	23	20		17	23	03	21	15			20	20		01	17	23	17	03

LUX	Luxembourg	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
NOR	Norway	1	4	5	4	9	7	3	8	5	3	6	4	6	6	11	10	8	3	5		5	6	7	7	6
PAK	Pakistan					1			1						1	1						1		1		
ROU	Romania		1	2	2	2	2		2	1	1	2	2	2	2	2	2	1	1	2	1	2	2	2		
RSE	Russia (Eastern)					1									1	1										
RUS	Russia (European)		6	5	3	13	4		6	2	2	2	2	2	4	11	7	3	1	4		3	9	4		
SAR	Sardinia	1	1	1	1	1	1		1			1			1	1	1	1	1	1	1	1	1	1		
SCT	Scotland					2	2	1	2	2	2	2	2	2	2	2	2	2	1	2		2	1	2	2	
SCY	Sicily											1														
SHE	Shetland Islands					1	1		1	1	1	1	1	1	1	1	1		1		1		1	1	1	
SRB	Serbia (Yugoslavia)	2	2	2	2	2	2		2		1	2			1	2	2	2	2	2	1	1	2	2		
SVN	Slovenia	1	2	2	1	2	2		2						2	2	2	2	2	1	1	1	2	2		
SWE	Sweden	4	7	7	6	13	11	2	12	7	3	8	6	4	9	12	11	11	3	11		10	10	5	11	5
TUR	Turkey		1		1	8	2		6							8	7		1	1	1		5	2		
UKR	Ukraine															2	2									
USA	USA, ME								1															1		
USA	USA, NJ								1															1		
XOE	Int Waters: Europe		1		1	2	2		2	1	1	1	1	1	2	2		2	1		1	1	1	2	2	
XUE	UNID (Europe?)					1																				
XUU	UNID (No idea where)					1										1										
Cou	Cou-Name	CZE lk	CZE my	CZE ze	DEU bd	DEU hw	DNK j7	ENG ag	ENG ap	ENG bk	ENG hh	ENG me	ENG px	ENG re	ENG yk	FIN jr	FIN ks	FIN ro	FRA fb	HOL rb	ITA wb	NOR gl	POL ls	SCT ds	SCT lw	SCT wk

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	DNK j7	ENG ag	ENG ap	ENG bk	ENG hh	ENG me	ENG px	ENG re	ENG yk	FIN jr	FIN ks	FIN ro	FRA fb	HOL rb	ITA wb	NOR gl	POL ls	SCT ds	SCT lw	SCT wk
00:00 - 00:59				5	1	5		4	2		42	2	14	11	1	4	1	5	14	5	20	3	8	18	
01:00 - 01:59				5		5		1			8		4	4		1		1	7		14	12	1	7	5
02:00 - 02:59		1		1	3	1		6	2						9		1	1			6	1	4	4	
03:00 - 03:59		6		1		1		3			1			55		2		1	2					4	4
04:00 - 04:59		10			2	1					1				4	7		1	3					7	1
05:00 - 05:59						1					8				6			2	1					2	
06:00 - 06:59					1	1			2						1			1	1						
07:00 - 07:59																								4	
08:00 - 08:59																									
09:00 - 09:59															3										
10:00 - 10:59																		1							
11:00 - 11:59					35	16															5				
12:00 - 12:59				1		4					25				2	31							6		
13:00 - 13:59					34	6			5						2	15									
14:00 - 14:59					12	15		4							3	5									
15:00 - 15:59			3			8		1		26		17			1	17			1	1					
16:00 - 16:59		7	25	10	5	3		4		1		15			1	1		25							
17:00 - 17:59		22	19	19	21	3		90	1			12	3		2		6	2	2	2		50		72	
18:00 - 18:59		17	2	4	9	15		3	16	8		7			1	33	12	14	24	1		14			7
19:00 - 19:59	6	12	6	11	22	5		5		12		12			84		1	12	16			1		28	
20:00 - 20:59	4		4	4	8	3		5	2	5		4	1	37			4	10	27			5		10	3
21:00 - 21:59		6	11	2	4	15		8	18	6		2	5		27			2		1	2	5			1
22:00 - 22:59	12	2	8	3	4	11		11	4	2		4	19			22	7	5		4	5		16		
23:00 - 23:59	4		3	8	2	4		23	8	17		15	1	26		2		3	21	6	7	4	38		
UTC (hh)	CZE lk	CZE my	CZE ze	DEU bd	DEU hw	DNK j7	ENG ag	ENG ap	ENG bk	ENG hh	ENG me	ENG px	ENG re	ENG yk	FIN jr	FIN ks	FIN ro	FRA fb	HOL rb	ITA wb	NOR gl	POL ls	SCT ds	SCT lw	SCT wk
NDBs	26	83	81	73	164	123	34	148	87	58	100	76	72	107	147	140	32	87	118	32	54	95	69	134	48

NDB COUNTS, BY FREQUENCY:

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

NDBs	QRG	CZE	CZE	CZE	DEU	DEU	DNK	ENG	ENG	ENG	ENG	ENG	ENG	ENG	FIN	FIN	FIN	FRA	HOL	ITA	NOR	POL	SCT	SCT	SCT	NDBs	
		lk	my	ze	bd	hw	j7	ag	ap	bk	hh	me	px	re	yk	jr	ks	ro	fb	rb	wb	gl	ls	ds	lw		wk
15	350.0	2	7	5	5	13	8	1	9	5	4	7	5	4	5	12	7	4	6	7	2	4	6	1	8	2	15
1	350.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	351.0	1	4	6	4	13	8	3	11	5	3	7	5	5	7	10	8	2	6	10	1	4	3	7	8	4	13
1	351.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	352.0	1	4	2	2	5	4	2	5	4	3	4	4	4	4	5	5	1	3	3		3	4	3	4	3	5
1	352.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
8	353.0	1	4	6	4	7	6	1	6	4	2	5	3	3	5	7	7	1	4	6	2	2	6	3	6	2	8
1	353.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1	1	1	1	1
6	354.0	3	3	3	3	5	4	1	5	2	2	2	2	2	3	5	4	1	3	4	2	2	2	1	2	2	6
7	355.0	2	4	5	3	6	6	2	6	3	2	4	4	4	6	6	5		5	6	2	5	4	3	6	2	7
1	355.5											1															1
9	356.0		2	2	2	5	6	1	7	3	1	3	3	3	3	5	6		4	4	2	1	4	4	6	1	9
7	357.0	2	5	6	4	7	6	1	7	5	2	6	3	1	7	7	7	1	4	7	3	3	4	2	6	2	7
2	357.5	1	2	2	2	2	2	1	2	2	1	2	1	1	2	2	2		1	2	1	1	2	2	2	1	2
15	358.0	2	4	4	5	15	8	2	9	6	4	6	5	6	5	9	10	2	4	6	3	2	6	5	7	2	15
5	359.0	2	2	2	2	5	4	1	5	2	2	3	2	2	3	5	5		4	2		4	2	4	3	5	5
10	360.0	1	6	6	6	9	9	1	9	5	6	7	4	4	8	8	8	4	5	9	2	4	7	3	10	3	10
1	360.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1		1	1	1	1	1	1
3	361.0	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3		2	2	1	2	2	2	2	1	3
11	362.0	3	5	5	4	7	4	1	7	2	2	3	2	1	3	9	8	2	4	5	1	2	4	2	8	2	11
1	362.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1		1	1	1	1	1	1
7	363.0	1	3	2	3	5	4	2	5	2	2	2	2	2	4	4	1	2	3	2	1	3	2	5	1	7	7
8	364.0	1	3	3	2	7	6	1	7	3	1	5	4	2	4	6	6	3	2	5	2	3	5	3	7	1	8
16	365.0	1	5	4	3	13	8	2	10	5	2	6	4	4	8	10	9	2	4	4	1	2	6	7	8	5	16
7	366.0	2	2	2	2	6	3	1	5	3	2	2	2	3	4	5	5	3	3	5	3	3	3	2	6	2	7
2	367.0	1	2	2	2	1	2	1	2	2	2	2	1	2	1	1	1		2	2	2	1	2	2	2	2	2
1	367.5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		1	1		1	1	1	1	1	1
9	368.0	1	4	4	2	9	6	1	8	6	4	5	3	4	6	9	9	2	4	6		4	5	3	7	3	9
2	368.5	1	1	1	1	2	2	1	2	2	2	1	2	2	2	2	2		2	2		1	1	2	2	1	2
14	369.0	2	3	3	4	13	8	1	12	7	2	8	6	4	10	11	13	3	6	11	2	3	7	4	11	2	14
NDBs	QRG	CZE	CZE	CZE	DEU	DEU	DNK	ENG	ENG	ENG	ENG	ENG	ENG	ENG	FIN	FIN	FIN	FRA	HOL	ITA	NOR	POL	SCT	SCT	SCT	NDBs	
		lk	my	ze	bd	hw	j7	ag	ap	bk	hh	me	px	re	yk	jr	ks	ro	fb	rb	wb	gl	ls	ds	lw	wk	

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
354.0	PP	Pamplona	ESP		ap	0011
350.0	HG	Hengshui	CHN		hw	2000
358.0	A	UNID	XUE		hw	0606
358.0	B	Chkalovsk / Kaliningrad	KAL		hw	1615
358.0	K	Stavropol / Shopakovskoye	RUS		hw	1806
365.0	AJ	Aghajari	IRN		hw	1806
365.0	KY	Wangbingou	CHN		hw	1806
369.0	OS	Skelleftea	SWE		hw	1943
365.0	YGZ	Grise Fiord	NU	CAN	j7	0416

363.0	SHD	Maragheh / Sahand	IRN	j7	2138	
356.0	LH	Huguang	CHN	ks	1622	
365.0	HD	Tumurtai	CHN	ks	1858	
366.0	ZMN	Lewisville (Moncton)	NB	CAN	lw	0452
360.0	JAC	Jacare-a-Canga (PA)	BRA	lw	0452	
365.0	PAL	Palma	EQA	lw	0453	
355.5	PAL	Palermo (PA)	SCY	me	2303	
355.0	PU	St Petersburg / Pulkovo	RUS	ze	2200	

FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

THEN CLE235 - 350-369.9 kHz - 24.08.2018 - 27.08.2018
NOW CLE250 - 350-369.9 kHz - 22.11.2019 - 25.11.2019

Listener	Av km		Total km x		NDBs		Max km	
	THEN	NOW	1000	1000	THEN	NOW	THEN	NOW
CZE my	670	998	27	83	41	83	2465	3472
CZE ze	754	958	36	78	48	81	2942	3107
DEU bd	623	920	21	67	33	73	1332	3176
DEU hw	1012	1614	104	265	103	164	5109	7744
ENG ag	533	771	12	26	22	34	1985	1747
ENG bk	330	1035	9	90	26	87	786	5339
ENG hh	826	843	47	49	57	58	3863	2615
ENG yk	827	1308	35	140	42	107	3840	6580
FIN ro	572	907	7	29	12	32	984	2140
HOL rb	1000	1248	70	147	70	118	6837	6837
ITA wb	457	683	8	22	18	32	1668	3345
NOR gl	504	1017	7	55	14	54	752	3574
SCT ds	934	1179	34	81	36	69	3221	3914
SCT wk	868	1265	30	61	35	48	3692	4239
Averages:	708	1053	32	85	40	74	2820	4131
% Increase:		49		167		87		46

Listener	Av km		Total km x		NDBs		Max km	
	THEN	NOW	1000	1000	THEN	NOW	THEN	NOW
CZE lk		722		19		26		1485
DNK j7		1402		172		123		7196
ENG ap		1711		253		148		6547
ENG me		1262		126		100		6582
ENG px		1066		81		76		4249
ENG re		1036		75		72		4249
FIN jr		2162		318		147		8172
FIN ks		2059		288		140		8281
FRA fb		1141		99		87		6728
POL ls		1271		121		95		4983
SCT lw		1912		256		134		9259
Averages:		1431		164		104		6157
% 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 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.

CLE250_Results_REU.xls
bk/je - 27.11.2019