

BLR	635.0	GH	Minsk 2					23										20
BLR	635.0	VX	Minsk 2															
BLR	985.0	BY	Brest															
BUL	490.0	WAK	Vakarel	22	19	21	22	19				23	22					00
BUL	537.0	PD	Plovdiv															
CAN, NS	263.0	QY	Sydney				23	01									02	02
CZE	448.0	HLV	Holesov	21	19	20	02	19	00			23	22	20	22	21		22
CZE	492.0	TBV	Moravska / Trebova	22	16	21	19	18				21	22	21	22			22
CZE	514.5	LA	Namest Nad Oslavou	22	20	21	19	18				21	00	22	23	22		23
CZE	534.0	R	Ostrava / Mosnov / Rada				22	19	19									
CZE	563.0	XU	Namest Nad Oslavou				07	19	18						21			
CZE	715.0	C	Caslav				23	19	20				00	21	21			
CZE	888.0	P	Pardubice				21	21							20			
DEU	452.0	ANS	Ansbach	21	19	20	20	11	01			21	22		22	21		22
DEU	468.0	FTZ	Fritzlar	21	19	20	12	11	01			21	22	21	22	21		22
DEU	484.0	HOF	Hof		19	20	12	11				00	00	22	21			
DEU	488.0	ILM	Illesheim	22	19	20	19	11	01			21	22	22	23			22
DEU	489.0	SIL	Siegen / Siegerland				21	20	11					22	23			
ENG	850.0	CIT	Cranfield								11							
EST	514.0	GO	Amari Air Base		01	21	20	20				23	00	22	23			22
GEO	520.0	DF	Mukhrani		20	00	20	20							21			23
HNG	456.0	SEG	Szeged				20	23										
HNG	493.0	C	Papa										22					
HNG	522.0	PQ	Nyiregyháza					22										
HRV	265.0	KAV	Pula / Kavran		00	22		19				21			01			23
IRN	260.0	NSR	Noshahr					23										
IRN	260.0	RAF	Rafsanjan					00										
KAL	730.0	AL	Kaliningrad / Chkalovsk					19						22	22			
KAL	840.0	KR	Kaliningrad / Khrabovo		20	21	19	19				21	22					23
KAZ	443.0	AL	Almaty					23					22					
KAZ	451.0	KU	Yubileinyi		19													
KAZ	755.0	T	Atyrau					22										
LBY	440.0	FEL	Ei Feel					02										
LBY	470.0	WF	Wafa				22	22										
POL	262.0	NR	Inowroclaw				22	19										
POL	444.0	NRD	Inowroclaw	21	19	20	20	19	00			21	22	20	23	21		23
POL	465.0	NED	Deblin				20	20										00
POL	474.5	SA	Darlowo				20	20										
POL	488.0	NPR	Tomaszow-Mazowiecki / Porter	22	19	20	20	18				21	22	22	23	22		22
POL	489.0	NK	Poznan / Krzesiny / Kamera	22	19	20	20	11	01			21	22	21	23			22
POL	494.0	NOW	Oksywie				19	19										
POL	494.0	NWO	Oksywie				19	20	19									
POL	520.0	NW	Leczyca	22	20	21	20	18				23	00		21			23
ROU	266.0	M	Baia Mare					19										
ROU	267.5	OPW	Bucuresti / Otopeni		00	22		21					23					
ROU	517.0	ARD	Arad	22	20	21	21	19				21	00	21	23	22		22
ROU	520.0	B	Bacau				20	21	19				00					
ROU	521.0	BSW	Bucuresti / Baneasa				20	21	19				23	00	21	22		23

RUS	690.0	KM	Akhangelsk / Talagi				22								
RUS	694.0	AL	Algasovo			20	20							21	23
RUS	696.0	BT	Alatyr				21								
RUS	700.0	AD	Moscow / Sheremetievo	20		20	20							21	
RUS	700.0	K	St Petersburg / Pulkovo				20								
RUS	700.0	MR	Moscow / Sheremetievo			21									
RUS	705.0	PX	Perm / Bolshoye Savino											22	
RUS	718.0	AN	Belgorod			20	20			00					
RUS	718.0	NF	Nalchik							00					
RUS	730.0	KT	Stavropol / Shopakovskoye			19									
RUS	730.0	OP	Stavropol / Shopakovskoye				20			00					
RUS	732.0	AO	Aksinyino	20	22		19			21	22	22			23
RUS	742.0	GE	Kursk				19								
RUS	745.0	BG	Karmanovo	20	22	19	19		21	21	22	21			23
RUS	760.0	R	Ramenskoe				20								
RUS	770.0	B	Moscow / Sheremetyevo				20								
RUS	770.0	N	Sheremetyevo				22								
RUS	777.0	ST	Sirovinskaya				20								
RUS	780.0	N	Anapa / Vityazevo				20								
RUS	780.0	P	Anapa / Vityazevo				19								
RUS	785.0	P	Levashovo				20								
RUS	815.0	DD	Lipetsk				19								
RUS	860.0	L	Michurinsk				22								
RUS	876.0	WG	Volgograd / Gumrak	20		20	19						20		
RUS	900.0	NE	Nerl				19			22					23
RUS	905.0	UD	Buturlino				20			22					
RUS	914.0	SX	Moscow / Vnukovo	20											
RUS	932.0	KR	Krasnoarmeysk				19			23			21		
RUS	960.0	L	St Petersburg / Pulkovo												20
RUS	960.0	RP	Sosnovkoye	20	21		19			21	21	22			23
RUS	965.0	BL	Kazan				20								
RUS	970.0	US	Yelshanka				20								
RUS	975.0	GD	Maloye-Skuratovo	20		20	19			21					23
RUS	985.0	FK	Gagarin	20	23	20	23			23					23
RUS	995.0	DW	Nikolskoye				19			23					
RUS	1005.0	LO	Klimovsk	20	21	20	18		21	21	23	22			23
RUS	1020.0	DK	Glodayevo	19	22		19			23					
RUS	1025.0	US	Muravlyanka	19			19								
RUS	1055.0	IN	Sukhotino		22	20	19			23					23
RUS	1080.0	AR	Buzharovo	19	22	20	19			20			22		
RUS	1100.0	KA	Konstaninovsk	19											
RUS	1285.0	SW	Savelovo	19	23	21	19		21	20	23	19			
RUS	1290.0	R	Murmansk												23
RUS	1290.0	TU	Bely	19	22	20	18		21	20	21	19			23
SRB	468.0	VTN	Kraljevo / Vitanovac			20	20								
SRB	470.0	UZ	Uzice / Ponikve	22	19	20	22	20		02	22		22	21	
SRB	485.0	IA	Indija	22	19	20	22	19		00	22	21	23	22	
SRB	495.0	PA	Pancevo		01	21	22			02	23		23	22	

SVK	508.0	Z	Zilina / Hlinik		20	21	20	19			02	00	21	23	22			
SVK	571.0	P	Presov / Kapusany		20	21	19							22				
SVN	463.0	CL	Cerklje	21	19	20	20	19			21	22		22	21			
TUR	440.0	MNI	Amasya / Merzifon					01										
TUR	470.0	BRI	Balikesir					21										
TUR	480.0	CLD	Aydin / Cildir					22										
TUR	487.0	BEY	Beypazari					21										
UKR	445.0	ZU	Starokonstantinov			21	22											
UKR	509.0	CR	Chernivtsi			00		19			00	00						
UKR	580.0	PO	Poltava ???					21										
UKR	588.0	SF	Simferopol		01			21										
UKR	598.0	F	Ivano-Frankivsk		21	20	19	19										
UKR	600.0	KR	Tchervonobirka			21	20	23					20					23
UKR	640.0	I	Kiev / Boryspil					23										
UKR	640.0	O	Kiev / Borispol					19										23
UKR	672.0	RS	Rashivka		21	21	23	19										
UKR	687.0	P	Dnipropetrovsk					22										
UKR	687.0	R	Dnipropetrovsk					22										
UKR	690.0	DM	Dmytrivka		20		19	20										23
UKR	690.0	SR	Seredne			21		19										
UKR	715.0	D	Odessa / Central					22										
UKR	733.0	ZK	Kyiv / Zhuliany			22												
UKR	825.0	KB	Kiev / Boryspil					23										
UKR	825.0	KE	Kiev / Boryspil		20	21	20	19					22					23
UKR	1290.0	BO	Bohdanivka			20		18										
UZB	983.0	NU	Urgench					20										
XOE	561.0	LF6T	Oseberg Sor (South)					22					23	01				
XOE	597.5	TWR	Vessel Ile d'Ouessant				20	23			19	22	21	18				23
XOE	615.0	STB	Statfjord B Platform		01	00	21	23				23		22				23
XUE	460.0	AS	UNID			20		21							21			22
XUE	478.5	ML	UNID															22
XUE	509.0	NI	UNID					00										
XUE	518.0	HQ	UNID				21											
XUE	520.0	BHA	UNID														01	
XUE	570.0	DO	UNID		20													
XUF	470.0	BK	UNID					01										
XUF	500.0	LG T	UNID			22		01										
XUU	440.0	BHL	UNID					21										
XUU	610.0	D	UNID					11										
Cou, S/P	QRG	ID	Name	CZE lk	CZE my	CZE ze	DEU bd	DEU hw	ENG ag	ENG bk	ENG hh	ENG me	ENG px	HOL rb	ITA wb	RSE de	SCT ds	SWE je

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	ENG ag	ENG bk	ENG hh	ENG me	ENG px	HOL rb	ITA wb	RSE de	SCT ds	SWE je
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08:00 - 08:59																	
09:00 - 09:59																	
10:00 - 10:59																	
11:00 - 11:59					7		1										
12:00 - 12:59				2													
13:00 - 13:59																	
14:00 - 14:59																	
15:00 - 15:59		1															
16:00 - 16:59															1		
17:00 - 17:59														3			
18:00 - 18:59						8						1					
19:00 - 19:59		24		12	44				1			2					
20:00 - 20:59		23	25	25	33							4					8
21:00 - 21:59	5	3	25	11	21			15	6	3	2	10	14	8			1
22:00 - 22:59	11		15	7	15					21	11	16	9			10	9
23:00 - 23:59			5	2	14			5	11	4	4	12			6		23
UTC (hh)	CZE	CZE	CZE	DEU	DEU	ENG	ENG	ENG	ENG	ENG	HOL	ITA	RSE	SCT	SWE		
	lk	my	ze	bd	hw	ag	bk	hh	me	px	rb	wb	de	ds	je		
NDBs	16	61	74	60	153	6	1	27	55	27	53	17	4	20	42		

NDB COUNTS, BY FREQUENCY:

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

NDBs	QRG	CZE	CZE	CZE	DEU	DEU	ENG	ENG	ENG	ENG	ENG	HOL	ITA	RSE	SCT	SWE	NDBs
		lk	my	ze	bd	hw	ag	bk	hh	me	px	rb	wb	de	ds	je	
2	260.0					2											2
1	262.0			1		1											1
1	263.0			1		1						1			1		1
1	265.0		1	1		1			1			1			1		1
1	266.0					1											1
1	267.5		1	1		1					1						1
1	268.0					1											1
3	440.0					3											3
1	443.0					1				1							1
1	444.0	1	1	1	1	1	1		1	1	1	1	1		1	1	1
4	445.0	1	2	2	2	2				1		1	1			2	4
1	448.0	1	1	1	1	1	1		1	1	1	1	1		1	1	1
1	449.0			1													1
1	451.0		1														1
2	452.0	1	2	1	1	1	1		1	1		1	1		1		2
2	455.0			1		2											2
2	456.0			1		2											2
1	458.0			1		1											1
1	460.0			1		1							1		1		1
1	463.0	1	1	1	1	1			1	1		1	1				1

1	465.0																		1
3	468.0	1	1	2	1	3	1		1	1	1	1	1		1				3
1	469.0																		1
4	470.0	1	1	2	1	4			1	1									4
1	474.5				1	1	1												1
4	475.0		2	1		4				1								1	4
1	478.0				1	1			1	1	1								1
1	478.5																		1
2	480.0		1	1	1	2												1	2
1	484.0		1	1	1	1			1	1	1								1
2	485.0	1	1	2	1	2			1	2	1	1	1					1	2
1	486.0		1	1		1													1
1	487.0					1													1
2	488.0	2	2	2	2	2	1		2	2	2	2	1		2		2	2	2
2	489.0	1	1	2	2	2	1		1	1	2	2			1		1	1	2
1	490.0	1	1	1	1	1			1	1			1		1		1	1	1
1	492.0	1	1	1	1	1			1	1	1		1		1		1	1	1
3	493.0					1					2							1	3
2	494.0		2	1	1	2						1							2
1	495.0		1	1	1	1			1	1			1	1					1
1	500.0					1													1
1	508.0		1	1	1	1			1	1	1		1	1					1
2	509.0					1			1	1									2
2	510.0		1	1															2
1	511.0																		1
2	514.0		1	2	1	2			1	1	1	1	1		1		2	2	2
1	514.5	1	1	1	1	1			1	1	1	1	1	1	1		1	1	1
1	515.0					1													1
1	517.0	1	1	1	1	1			1	1	1		1	1		1			1
1	518.0					1													1
4	520.0	1	3	3	2	3			1	2			2		1		1	4	4
1	521.0		1	1	1	1			1	1			1	1		1			1
1	522.0					1													1
1	525.0																		1
1	527.0					1												1	1
1	534.0			1	1	1													1
1	537.0					1													1
1	561.0					1					1								1
1	563.0			1	1	1						1							1
1	564.0					1				1									1
1	565.0					1													1
2	570.0		1			1				1								1	2
1	571.0		1	1	1							1							1
1	572.0					1													1
1	580.0					1													1
1	581.0					1													1
2	588.0		1			2													2
1	591.0		1	1	1	1						1							1

1	914.0		1															1
1	920.0																	1
1	932.0																	1
1	950.0																	1
2	960.0		1	1														2
1	965.0																	1
1	970.0																	1
1	975.0		1															1
1	983.0																	1
2	985.0		1	1														2
1	995.0																	1
1	1005.0		1	1														1
1	1020.0		1	1														1
1	1025.0		1															1
1	1055.0																	1
1	1080.0		1	1														1
1	1100.0		1															1
1	1285.0		1	1														1
3	1290.0		1	2														3
NDBs	QRG	CZE	CZE	CZE	DEU	DEU	ENG	ENG	ENG	ENG	ENG	HOL	ITA	RSE	SCT	SWE	NDBs	
		lk	my	ze	bd	hw	ag	bk	hh	me	px	rb	wb	de	ds	je		

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
465.0	NED	Deblin		POL	bd	2050
518.0	HQ	UNID		XUE	bd	2120
700.0	MR	Moscow / Sheremetievo		RUS	bd	2136
730.0	KT	Stavropol / Shopakovskoye		RUS	bd	1934
850.0	CIT	Cranfield		ENG	bk	1108
469.0	HI	Khabarovsk		RSE	de	1651
680.0	FA	EKIMCHAN		RSE	de	1713
920.0	BG	Muraveyka		RSE	de	1730
950.0	H	Khabarovsk		RSE	de	1743
511.0	G	Gomel		BLR	ds	0106
520.0	BHA	UNID		XUE	ds	0111
260.0	NSR	Noshahr		IRN	hw	2301
260.0	RAF	Rafsanjan		IRN	hw	0003
266.0	M	Baia Mare		ROU	hw	1920
268.0	ZAR	Zarzaitine		ALG	hw	2204
440.0	BHL	UNID		XUU	hw	2100
440.0	FEL	El Feel		LBY	hw	0220
440.0	MNI	Amasya / Merzifon		TUR	hw	0101
455.0	KZ	Kizliar		RUS	hw	0003

456.0	NT	Nakhchivan	AZE	hw	2141
468.0	MD	Myneralnye Vody	RUS	hw	2103
470.0	BK	UNID	XUF	hw	0143
470.0	BRI	Balikesir	TUR	hw	2103
475.0	AM	Kazan	RUS	hw	2121
475.0	UCH	Kotelnikovo	RUS	hw	2321
480.0	CLD	Aydir / Cildir	TUR	hw	2243
487.0	BEY	Beypazari	TUR	hw	2103
493.0	NO	Nakhchivan	AZE	hw	2103
509.0	NI	UNID	XUE	hw	0003
522.0	PQ	Nyiregyháza	HNG	hw	2200
537.0	PD	Plovdiv	BUL	hw	0143
565.0	KS	Opalikha	RUS	hw	2103
572.0	O	St Petersburg / Pulkovo	RUS	hw	2141
580.0	PO	Poltava ???	UKR	hw	2141
581.0	DM	Moscow - Ramenskoe	RUS	hw	2103
588.0	W	Kurumoch / Samara	RUS	hw	2331
610.0	D	UNID	XUU	hw	1143
640.0	I	Kiev / Boryspil	UKR	hw	2357
642.0	KN	Moscow / Kostino	RUS	hw	2340
643.0	RZ	Sharanga	RUS	hw	2228
659.0	DO	Moscow / Domodedovo	RUS	hw	2059
659.0	LL	Bucuresti / Otopeni	ROU	hw	2228
662.0	UW	Kirovskoye	RUS	hw	1930
676.0	BO	Nizhny Novgorod / Strigino	RUS	hw	2059
678.0	P	Pechora	RUS	hw	2103
680.0	L	Ulyanovsk / Vostochny	RUS	hw	2021
687.0	R	Dnipropetrovsk	UKR	hw	2241
690.0	KM	Akhangelsk / Talagi	RUS	hw	2241
696.0	BT	Alatyr	RUS	hw	2103
700.0	K	St Petersburg / Pulkovo	RUS	hw	2059
715.0	D	Odessa / Central	UKR	hw	2228
742.0	GE	Kursk	RUS	hw	1930
755.0	T	Atyrau	KAZ	hw	2228
760.0	R	Ramenskoe	RUS	hw	2059
770.0	B	Moscow / Sheremetyevo	RUS	hw	2057
770.0	N	Sheremetyevo	RUS	hw	2228
777.0	ST	Sirotinskaya	RUS	hw	2059
780.0	N	Anapa / Vityazevo	RUS	hw	2059
780.0	P	Anapa / Vityazevo	RUS	hw	1930
785.0	P	Levashovo	RUS	hw	2059
815.0	DD	Lipetsk	RUS	hw	1930
825.0	KB	Kiev / Boryspil	UKR	hw	2357
860.0	L	Michurinsk	RUS	hw	2228
965.0	BL	Kazan	RUS	hw	2057
970.0	US	Yelshanka	RUS	hw	2057
983.0	NU	Urgench	UZB	hw	2057
1290.0	R	Murmansk	RUS	je	2358

478.5	ML	UNID	XUE	je	2246
525.0	PL	Pulkovo / St.Petersburg	RUS	je	2015
595.0	A	Voronezh / Chertovitskoye	RUS	je	2025
635.0	PF	Murmansk / Murmashi South	RUS	je	2006
644.0	SL	Solodniki	RUS	je	2010
960.0	L	St Petersburg / Pulkovo	RUS	je	2012
493.0	C	Papa	HNG	me	2238
635.0	VX	Minsk 2	BLR	me	0001
718.0	NF	Nalchik	RUS	me	0015
1100.0	KA	Konstaninovsk	RUS	my	1945
451.0	KU	Yubileinyi	KAZ	my	1909
452.0	LB	Balandino	RSE	my	1914
510.0	CR	Cheboksary	RUS	my	2008
570.0	DO	UNID	XUE	my	2050
914.0	SX	Moscow / Vnukovo	RUS	my	2018
705.0	PX	Perm / Bolshoye Savino	RUS	rb	2202
708.0	UN	Kurgan	RSE	rb	2201
985.0	BY	Brest	BLR	rb	2015
449.0	MW	Tver / Migalovo	RUS	ze	2045
510.0	BL	Blida	ALG	ze	2225
733.0	ZK	Kyiv / Zhuliany	UKR	ze	2218

FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

THEN
NOW

CLE228 - 260-269.9 kHz / 440-1740 kHz - 26.01.2018 - 29.01.2018
 CLE244 - 260-269.9 kHz / 440-1740 kHz - 24.05.2019 - 27.05.2019

Listener	Av km		Total km x		NDBs		Max km	
	THE	Av km	1000	1000	THE	NDBs	THE	Max
	N	NOW	THE	NOW	N	NOW	N	NOW
CZE lk	591	474	17	8	28	16	1314	1119
CZE my	1051	1270	75	77	71	61	4372	3656
CZE ze	825	1150	54	85	66	74	2054	5202
DEU bd	1009	1086	64	65	63	60	2322	2322
DEU hw	1704	1667	261	255	154	153	10188	4960
ENG ag	1376	1157	22	7	16	6	1914	1449
ENG bk	1590	98	64	0	40	1	4295	98
ENG hh	1796	1575	101	43	56	27	5650	2538
ENG me	1938	2090	118	115	61	55	4413	5552
ENG px	1728	1596	74	43	43	27	4178	2841
HOL rb	1829	1726	112	91	61	53	5678	4552
ITA wb	811	844	20	14	25	17	1360	1360
SCT ds	1544	1594	28	32	18	20	3874	3874
SWE je	1196	1477	80	62	67	42	4881	2524
Averages:	1356	1272	78	64	55	44	4035	3003

% Increase:	-6	-18	-20	-26
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Listener	Av km		Total km x	Total km x	NDBs		Max km	Max km
	THE N	Av km NOW	1000 THE	1000 NOW	THE N	NDBs NOW	THE N	km NOW
RSE de		273		1		4		541
Averages:		273		1		4		541
% 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.