NDB LIST CLE No. 333 240 - 269.9 kHz / 420 - 1740 kHz 23.10.2026 - 26.10.2026

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 'Pohorany', CZE (RXX ID 1143 / JN89qq)
DEU	hw	Hartmut Wolff, Near Wolfsburg
DEU	je	Joachim Rabe, Norderstedt, north of Hamburg
ENG	jms	John Mills, Chelmsford, Essex
ENG	nw	Noel Waddoup, Clacton
ENG	pnd	Paul Newland, Rattery
ENG	px	Peter Greatorex, Bolsover, Derbyshire
HOL	prk	Peter Reuderink, Odoornerveen
HOL	rb	Roelof Bakker, Middelburg, Zealand
ITA	ado	Andrea Dalbagno, Gazzadina
ITA	gmi	Giacomo Malnati, Near Castiglione Olona
ITA	vti	Vittorio De Tomasi, near Varese

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@ndblist.info)

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 jms	ENG nw	ENG pnd	ENG px	HOL prk	HOL rb	ITA ado	ITA gmi	ITA vti
AGL	258.0	LU	Luanda /4 de Fevereiro			20										
ALG	423.0	BJA	Bejaia / Soummam	20	20	17	23	01	18			22	21	23		21
ALG	424.0	GRS	Ghriss			01	23	01	16			22	19			
ALG	432.0	HMB	Hammam Bou Hadjar for Oran			17	22	01	16	21		17	19			
ALG	490.0	TFR	Tafaroui			02			01	02		01	04			
ALG	510.0	BL	Blida	22	21	17	00	01	18			23	19			
ARM	580.0	YN	Erebuni			17										
AUT	420.0	INN	Innsbruck	20	20	17	20	01	16			15	19	23		19
AUT	426.0	GBG	Gleichenberg for Graz	20	20	17	21	01	16		19	15	23	23	17	21

AZE	493.0	NO	Nakhchivan			17		19	18			18	23				
AZR	420.0	PI	Madalena / Pico Island			23			23				23				
AZR	428.0	GC	Santa Cruz de Graciosa			23			21			23					
BIH	425.0	DNC	Mostar	20	20	17	23	01	18			17	23	23	17		
BIH	445.0	TU	Tuzla	21	21	17	21				22		22		18	21	
BLR	477.0	CHA	Baranovichi			05						21					
BLR	485.0	C	Brest									05					
BLR	511.0	G	Gomel			17		19	16			16					
BLR	920.0	G	Grodno / Obukhovo				05										
BLR	930.0	Q	Minsk / Machulishchi			15	15					15					
BLR	1065.0	U	Vitebsk / Vostochny			05	05		05			05					
BLR	1065.0	W	Vitebsk / Vostochny						05								
BUL	450.0	PDV	Plovdiv	21	21	17	23	01	18	02		16	22	23	18	20	
BUL	490.0	WAK	Vakarel	22	20	17	23	01	16	21	22	16	23	23	18		
BUL	537.0	PD	Plovdiv	23	21		22	01	23	02		18	21	23			
CAN, NL	250.0	YMH	Mary"s Harbour			04	00	03	05			21	01				
CAN, NU	256.0	YCY	Clyde River			02	01	03	03			05					
CZE	432.0	PK	Pardubice / Prvek	16	21	17	19		17	02	19	02	20		18	20	
CZE	434.0	KNE	Kunovice	22	21	17	00	01	18			16	19				
CZE	438.0	K	Praha Kbely / Kalda	16	21	19	22		23								
CZE	514.5	LA	Namest Nad Oslavou	22	18	17	21	01	16	18	20	15	22	23	18	01	
CZE	563.0	XU	Namest Nad Oslavou	23	18		21						23				
CZE	888.0	P	Pardubice	21	17		20										
DEU	426.0	MIQ	Mike for Ingolstadt	16	20	17	23	01	16		19	15	23	23	17	20	
DEU	431.0	KBA	Karlsruhe / Baden Baden	20	21	17	23	01	16			15	20	23		01	
DEU	489.0	SIL	Siegen / Siegerland	22	20	17	23	01	16		20	15	23	23	18	00	
ENG	423.0	CWL	Cranwell			20	23	13	14		19	15	20				
ENG	433.5	HEN	Henton			18	23	13	14	14	19	15	20				
ENG	850.0	CIT	Cranfield			03	23	13	14	18	21	17	23				
ESP	420.0	SPP	Sevilla / San Pablo			23		01	18		19		23				
ESP	424.0	RUS	Reus								19		20			20	
ESP	433.0	JER	Jerez			18	22	01	18	18	20	22					
ESP	433.0	VON	Vigo				23		18		19						
FRA	420.0	LMT	Auch / Lamothe			04			18								
FRA	424.0	PHG	Phalsbourg / Bourscheid	20	20	17	23	13	14		21	15	20	23	17	21	
FRA	426.0	CTS	Castets	20		17		01	16			22	20				
FRA	428.0	BST	Lanveoc / Poulmic			04	22	01	16			17	19				
FRA	428.0	CTX	Chateauroux / Deols	20	20	17	21	13	16		20	16	19	23			
FRA	428.0	MUS	Nice / Cote d"Azur	21	20	17	03	01	23			17	19	23	17	21	
FRA	430.0	SN	St Yan	21	21	17	23	01	16		21	17	20	23		20	
FRA	432.0	PRD	Peyrehorade	22		17	23	01	16	18		19	19	23			
GEO	430.0	LU	Batumi		21	17	22	01	18			18	19				
GEO	520.0	DF	Mukhrani		19	17		01	16	18		17	22	23			

GRC	429.0	LIO	Limnos			20						21					
HNG	436.0	SME	Sarmellek / Balaton	21	19	17	23	01	16	18	21	16	22	23		20	
HNG	522.0	PQ	Nyíregyháza			17			20			01					
HRV	265.0	KAV	Pula / Kavran	20	22	18	00	02	18	21	22	17	01	23	17	01	
HRV	421.0	SAL	Zadar / Sali	20	20	17	20	01	16		22	16	20	23	17	21	
HRV	422.0	OSJ	Osijek	20	20	17	20	01	16			15	20	23	17		
HRV	424.0	PIS	Zagreb / Pleso / Pisarovina	20	20	17	20	01	16		19	15	20	23	17	21	
HRV	429.0	LOS	Losinj	20	21	17	22	01	16			16		23	17	01	
HRV	433.0	CRE	Cres	21	21	17	19	01	16	18	20	15	22	23	18	21	
IRN	245.0	GSN	Gach Saran			23						00					
IRN	255.0	SBZ	Sabzevar			21											
IRN	260.0	NSR	Noshahr			22			21								
IRN	260.0	RAF	Rafsanjan			20			21			22					
IRN	422.0	GON	Gonabad			20											
KAL	458.0	LP	Chernyakhovsk			15	05		18			15	19				
KAL	489.0	OI	Donskoye						05			05					
KAL	730.0	AL	Kaliningrad / Chkalovsk	23		15		19	18	18		15	19				
KAL	840.0	KR	Kaliningrad / Khrabovo	23	20	17	23	01	16	22	23	15	23	23			
KAL	930.0	L	Chernyakhovsk			05											
KAZ	460.0	UGN	Urdzhar			20											
KAZ	654.0	M	Astana/Akmola			17											
LBY	432.0	ZAR	Zwara (= 6SH)			20			20			18					
LBY	440.0	FEL	El Feel			19		01	20			19	23				
LBY	470.0	WF	Wafa			18	21	01	22	00		23	22				
MKD	432.0	IZD	Ohrid / Izdeglavlje	21	21	17	21	01	18	22		17	23	23	18		
MNE	420.0	GO	Podgorica	20	20	17	20	01	16			17	23	23			
MNG	510.0	DZ	Dalanzadgad			20			21								
MNG	525.0	MU	Muren			19											
NIR	420.0	HB	George Best Belfast City Airport			20	22	13	16		20	17	20				
NOR	258.5	HL	Svolvaer / Helle			01			23			23					
POL	262.0	NR	Inowroclaw	20	22	16	00	02	18	00	22	15	01				
POL	423.0	M	Cewice	20		17	20	01	16			15	19				
POL	436.0	S	Darlowo				23		05			05					
POL	437.0	NP	Tomaszow-Mazowiecki / Porter	21	21	17	23	01	16	21	22	16		23			
POL	474.5	SA	Darlowo				05		05			05					
POL	488.0	NPR	Tomaszow-Mazowiecki / Porter	22	20	17	23	01	16	21	20	15	23	23	18	01	
POL	489.0	NK	Poznan / Krzesiny / Kamera	22	20	17	23	01	16	18	22	16	23		18	00	
POL	520.0	NW	Leczyca	23	17	17	21	01	16	21	22	15	21	23	18		
ROU	256.0	BSE	Baneasa Southeast		22	17	20	03	23			17					
ROU	266.0	M	Baia Mare	20	22	17	22	02	18	00		16	01	23			
ROU	267.5	OPW	Bucuresti / Otopeni	20	22	16	23	02	23			17		23	17		
ROU	420.0	MTS	Tuzla Heliport	20	20	17	23		23								
ROU	428.0	TGM	Targu Mures / Vidrasau	20	20	17	23	01	16		19	15	19	23	17		

ROU	520.0	B	Bacau	23	17	17	21	19	16			16	21			
ROU	521.0	BSW	Bucuresti / Baneasa	23	18	17	21	01	16	21	21	16	21	23	18	18
ROU	659.0	LL	Bucuresti / Otopeni			17		19	23			17				
RSE	428.0	AR	Barnaul / Mihailovka			22										
RSE	450.0	BN	Bovanenkovo			00										
RSE	450.0	JH	Nizhnevartovsk			19										
RSE	450.0	NZ	Nizhnevartovsk			19										
RSE	482.0	NN	Kozhevnikovo			23			20							
RSE	514.0	IR	Irkutsk			19										
RSE	522.0	KZ	Vorkuta			19	22									
RSE	526.0	FV	Nizhneudinsk			20										
RSE	530.0	U	Sovetskiy			20			20							
RSE	599.0	X	Tyumen / Roschino			23										
RSE	655.0	MP	Strezhevoy			01										
RSE	660.0	GV	Kolyvan			21										
RSE	670.0	AD	Chelyabinsk / Shagol			22			21							
RSE	685.0	B	Krasnoyarsk / Yemelyanovo			17										
RSE	699.0	NH	Nikolsk			20										
RSE	707.0	BD	Khanty-Mansiysk			23			23							
RSE	707.0	ZJ	Khanty-Mansiysk	23		17	21	19	16			18	22			
RSE	708.0	RD	Kurgan			15	21						23			
RSE	715.0	KD	Novotyryshkino			17		19	18				23			
RSE	733.0	A	Abakan			21			20							
RSE	740.0	ML	Chapaev			20			18							
RSE	752.0	BB	Beryozovo	21	20	17	00	23	17			23	23			
RSE	780.0	PM	Uray			16			16							
RSE	780.0	WI	Uray			15										
RSE	785.0	IU	Beloyarsk			02										
RSE	816.0	EB	Matveyevskiy			17			23							
RSE	860.0	RO	Tolmachevo / Novosibirsk			17		19	18			18	23			
RSE	915.0	J	Nizhnevartovsk			15										
RSE	915.0	N	Nizhnevartovsk			19										
RSE	921.0	RO	Aginskoye			17			22			19	23			
RSE	950.0	TK	Omsk / Tsentralniy			15			18							
RSE	995.0	N	Kemerovo			17										
RSE	1000.0	KZ	Severnoye			17										
RSE	1020.0	KA	Olzony			17										
RSE	1061.0	GO	Gorevoe			17	23		18			18	23			
RSE	1065.0	R	Severo-Yeniseysky			22										
RSE	1075.0	UY	Sovestsky			17	21		16							
RSE	1130.0	YS	Kalachinsk			02			01							
RUS	250.0	CH	Vladikakaz			22										
RUS	250.0	M	Gromovo			23										

RUS	250.0	Z	Voronezh / Pridacha			04											
RUS	420.0	SHF	Michurinsk			17											
RUS	422.0	T	Akhtubinsk			19		23	22								
RUS	430.0	AJ	Staritza	21		17	23	01	16			16	23				
RUS	430.0	MB	Chemukha	22		17	22	01	16		21	17	23				
RUS	433.0	MI	Ermolino			01											
RUS	433.0	BO	Ermolino			00						01					
RUS	435.0	ER	Yegorlykskaya			17		23	23			19	23				
RUS	435.0	LG	Chkalovskij			18		19	18								
RUS	438.0	XA	Kirov			17											
RUS	445.0	KM	Kem	21		17	23	01	18		22	22	22				
RUS	445.0	RF	Pribylovo			17			16								
RUS	450.0	U	Millerovo			16		00	18			22	22				
RUS	455.0	BK	Lipetsk-2	21	21	17	02	01	16	22	20	16	22				
RUS	455.0	KZ	Kizliar			23		00	20			00	22				
RUS	468.0	MD	Myneralnye Vody			18		01	23			00	22				
RUS	475.0	AM	Kazan			17											
RUS	475.0	CL	Kotelnikovo						01			01					
RUS	475.0	PT	Petrovskoye	22	20	17	23	01	18	21		22	23				
RUS	475.0	UCH	Kotelnikovo			17											
RUS	478.0	MF	Larionovo	22	20	17	23	01	16			16	23				
RUS	479.0	GR	Saratov / Gagarin			22		01	23								
RUS	480.0	AN	Anapa / Vityazevo	22	20	17	23	01	18	00	20	17	22	23			
RUS	480.0	AP	Anapa / Vityazevo			03											
RUS	480.0	K	Tambov			19											
RUS	480.0	RF	Magnitogorsk			19			22				23				
RUS	485.0	CW	Krasnaya Gorbatka	22	20	17	23	01	16			16	23				
RUS	486.0	KL	Krasnyy Sulin	22	20	17	23	01	16	00		17	23	23			
RUS	492.0	P	Klin			15						21					
RUS	493.0	RW	Maryino	22	20	17	23	01	16		21		23				
RUS	506.0	GS	Engels-2	22	21	17	22	01	16	22		16	23	23			
RUS	507.0	ND	Bolshevik		18	17			18			18					
RUS	510.0	CR	Cheboksary			17											
RUS	510.0	LJ	Gromovo			04	04										
RUS	515.0	NV	Rostov Na Donu	23		17	21	01	16	21		16	23				
RUS	515.0	T	Vologda			20			20				20				
RUS	520.0	OO	Shaykovka	22	16	16	22		22		20	17	22				
RUS	525.0	PL	Pulkovo / St.Petersburg						06								
RUS	527.0	TE	Terbuny	22	19	15	22		22		21	18	23				
RUS	528.0	UH	Tikhoretsk			17											
RUS	564.0	HD	Lyskovo			17	23	00	17	22		19	23				
RUS	565.0	KS	Opalikha			17		00	16			23	23				
RUS	570.0	FE	Oktyabrskiy	23		17	23	01	16	00	23	15	23				

RUS	581.0	DM	Moscow - Ramenskoe			20										
RUS	591.0	D	Maykop / Khanskaya			00										
RUS	591.0	RN	Penza	23	18	17	21	01	16	19	23	16	23			
RUS	592.0	CS	Morozovsk		15	17	22	01	16			16	23	23		
RUS	596.0	KD	St Peterburg / Pushkin			03	03									
RUS	616.0	N	Shatalovo			22										
RUS	618.0	RS	Pushkin			15	04									
RUS	618.0	TB	Akhtubinsk			17		01	16	21		16	23			
RUS	620.0	N	Pskov			03			03			04				
RUS	625.0	MB	Krasnodar			03			03			04				
RUS	625.0	NW	Ostafievo			03										
RUS	625.0	O	Rtishchevo			23										
RUS	625.0	U	St Petersburg / Pulkovo			17			16			17				
RUS	635.0	LV	Izhevsk			17	00	01	16			16				
RUS	635.0	MD	Izhevsk			02										
RUS	635.0	PF	Murmansk / Murmashi South			17	22		22			22	23			
RUS	635.0	RD	Murmansk / Murmashi South			00			00							
RUS	640.0	C	Komsomolskoye			17										
RUS	642.0	KN	Moscow / Kostino			17										
RUS	643.0	RZ	Sharanga			17										
RUS	644.0	SL	Solodniki			19										
RUS	645.0	Q	Petrozavodsk / Besovets			17										
RUS	659.0	DO	Moscow / Domodedovo	20		17	22	01	18			16	23			
RUS	660.0	J	Voronezh / Baltimore			17										
RUS	662.0	SM	Smolenskaya			22		00	01			00				
RUS	670.0	ND	Kubinka			17	23	19	23			19				
RUS	670.0	PB	Vologda-Kipelovo			15										
RUS	670.0	UD	Bagaj / Baranovka			15										
RUS	680.0	BP	Chelobityevo			17	00	01	18			16				
RUS	680.0	L	Ulyanovsk-Baratayevka			18										
RUS	680.0	M	Ulyanovsk-Baratayevka			17			16			17				
RUS	680.0	RK	Naryan Mar			15										
RUS	682.0	RD	Rostov-na-Donu / Platov	20	20	17	23	01	16	21		16				
RUS	687.0	VT	Eysk	23		17	23	19	16	01		16	20			
RUS	690.0	AZ	Arkhangelsk / Talagi			17										
RUS	690.0	KM	Akhangelsk / Talagi			15										
RUS	692.0	V	Khotilovo / Novyj			17										
RUS	694.0	AL	Algasovo			17			23							
RUS	697.0	KQ	Tambov			22										
RUS	700.0	AD	Moscow / Sheremetievo			22										
RUS	700.0	K	St Petersburg / Pulkovo		20	17		19								
RUS	705.0	K	Tikhoretsk			17			18			00				
RUS	705.0	PX	Perm / Bolshoye Savino	23	20	17	23	23	16			19	22			

RUS	705.0	YA	Tula / Klokovo			15											
RUS	705.0	Z	Tula / Klokovo			22											
RUS	713.0	DO	Kazan			02											
RUS	713.0	O	Borisoglebsk			22			22								
RUS	713.0	TC	Kazan/Borisoglebskoye			00		00	16				23				
RUS	718.0	NF	Nalchik	20		17	23	19	16			16	23				
RUS	725.0	L	Ryazan-Dyagilevo			17		01	18			16	23				
RUS	730.0	OP	Stavropol / Shopakovskoye			16			16			16					
RUS	730.0	WS	Arkhangels / Vaskovo			04											
RUS	732.0	AO	Aksinyino	23	17	17	22	01	16	18	23	15	00				
RUS	732.0	KP	Soltchy	21		17											
RUS	735.0	N	Vyazma			17		01	16			16					
RUS	737.0	GSH	Arktichesky			16			22			23					
RUS	740.0	H	Makhachkala / Uytash			16											
RUS	740.0	R	Syzran Northeast			18											
RUS	740.0	RT	Ivanovo			22			22								
RUS	740.0	SZ	Ivanovo North			03											
RUS	740.0	TG	Armavir / Tsentralny			17			16	02		16	00	23			
RUS	740.0	U	Syzran / Northeast			00			01								
RUS	742.0	GE	Kursk	23		17	23	01	16	22		16	00				
RUS	745.0	BG	Karmanovo	23	17	17	23	01	16	19	21	15	00				
RUS	749.0	A	Nizhnekamsk / Begishevo						21								
RUS	749.0	K	Nizhnekamsk / Begishevo			17		01	16								
RUS	749.0	U	Usinsk			17			21								
RUS	760.0	R	Ramenskoe			17			00								
RUS	770.0	NL	Sheremetyevo	21	20	17	00	01	16				20				
RUS	777.0	ST	Sirotinskaya			17		23	18	21		16	22				
RUS	780.0	N	Anapa / Vityazevo			17			18			17	22				
RUS	780.0	O	Orsk			23											
RUS	780.0	P	Anapa / Vityazevo			03											
RUS	785.0	M	Levashovo			15											
RUS	785.0	P	Levashovo			00			18			18	19				
RUS	795.0	B	Buguruslan / Severnyj			16			16								
RUS	825.0	F	Cherepovets			17			16			16					
RUS	825.0	O	Cherepovets			18			18								
RUS	829.0	N	Volgograd / Marinovka	23		17			16			16	22				
RUS	830.0	W	Ulyanovsk / Vostochny			17			01								
RUS	832.0	PL	Olenya			17											
RUS	843.0	W	Orenburg / Tsentralniy			17											
RUS	852.0	OB	Moscow / Vnukovo	21		15	22	01	18		23	18	22				
RUS	860.0	UT	Utrenny			15											
RUS	876.0	WG	Volgograd / Gumrak	23		17	22	01	16	19		15	23				
RUS	900.0	NE	Nerl	23	19	17	15	01	16	18	22	15	22				

RUS	905.0	UD	Buturlino	23		17	16	01	16	22		15	23			
RUS	905.0	ZG	Zelenga (Astrakhan province)			23	22		23			21				
RUS	910.0	UJ	Millerovo			17			22	19		16	23			
RUS	914.0	SX	Moscow / Vnukovo			15	03		23	19		21	22			
RUS	920.0	HZ	Primorsko Ahtarsk			01				00		19	23			
RUS	930.0	O	Zernograd			17	23	01	23			17				
RUS	932.0	KR	Krasnoarmeysk			17	22	01	17	21		16	23			
RUS	939.0	MN	Sasovo			03	03		03							
RUS	949.0	OE	Moscow / Vnukovo			17			18			15				
RUS	960.0	RP	Sosnovkoye			17	16		22	19	22	15	22			
RUS	963.0	NS	Orenburg-2			17						17				
RUS	963.0	U	Kotelnikovo			17										
RUS	965.0	BL	Kazan			01						02				
RUS	975.0	GD	Maloye-Skuratovo			19	16									
RUS	985.0	FK	Gagarin		17	17	19	01	16	01	22	15	23			
RUS	995.0	DW	Nikolskoye		22	17	23		16			16				
RUS	1000.0	GN	Gelenjik			17										
RUS	1005.0	LO	Klimovsk	22	17	17	16	01	16	19	22	15	23			
RUS	1016.0	A	Budennovsk			15										
RUS	1020.0	DK	Glotayevo	22	17	15	16									
RUS	1025.0	G	Saransk			17										
RUS	1025.0	US	Muravlyanka			19										
RUS	1046.0	TZ	Vologda				16									
RUS	1055.0	IN	Sukhotino		20	17	16	00	18			21				
RUS	1080.0	AR	Buzharovo	22	17	17	19	01	16	01		15	23			
RUS	1100.0	KA	Konstaninovsk			17	23	01	16	19		16	23			
RUS	1155.0	BF	Krasnyj Kut				16									
RUS	1175.0	BA	Bagayeksy			17	16		16			16				
RUS	1185.0	D	Ramenskoye			19	23									
RUS	1205.0	C	Morozovsk			23										
RUS	1210.0	IO	Kirovsk / Apatity			17			18			17	19			
RUS	1215.0	N	Ufa			17			19			15	23			
RUS	1215.0	P	Ufa			15										
RUS	1215.0	WT	Kartino		17	17	17		19	19		15	23	23		
RUS	1285.0	SW	Savelovo	22	21	17	19		19		22	15	23			
RUS	1290.0	P	Murmansk / Murmashi South			16										
RUS	1290.0	R	Murmansk			03										
RUS	1290.0	TU	Bely	22	17	17	18		19		22	15	23	23		
SCT	431.0	SAY	Stornoway	21		18	01	01	18		19	17	20			
SRB	255.0	NS	Nis		22	17	21	03	18	00		16	01	23		
SRB	423.0	ZO	Nis / Zitoradja	20	20	23	22				21		20		17	
SRB	435.0	BR	Brdjani	21	21	17	19	01	16	22		17	19	23	18	20
SRB	468.0	VTN	Kraljevo / Vitanovac	22	21	17	23	01	16	18	20	16		23	18	18

SRB	470.0	UZ	Uzice / Ponikve	22	21	17	23	01	16	18	20	15	22	23	18	00
SRB	485.0	IA	Indija	22	20	17	19	01	16	18	20	15	23	23	18	00
SRB	495.0	PA	Pancevo	22	21	17	23	01	16	18	22	15	21	23	18	20
SVK	425.0	KE	Kosice	20	20	17	23	01	16		23	15		23		
SVK	438.0	PE	Poprad / Tatry East	22	21	17	04	00	16	21	21	15	20		18	21
SVK	477.0	RP	Malacky - Kuchyna	22	20	17	21	01	16	18	20	15	22	23		16
SVK	508.0	Z	Zilina / Hlinik	22	18	17	21	01	16	18	20	16	23	23	18	00
SVK	571.0	P	Presov / Kapusany	23	19	17	21	01	16	18		15	23	23		
SVN	463.0	CL	Cerklje	22	19	17	23		16		20	22	22	23	18	21
SWE	421.0	BL	Borlange / Rommehed / Falun			17	22	01	18		19	16	23			
SWE	421.0	MF	Halmstad	20	20	17	20	01	14		19	15	20	23		21
SYR	264.0	ABD	Damascus International / Abyad			22										
TJK	475.0	JD	Fayzabad			18										
TKM	469.0	FK	Kerki			00						19				
TKM	662.0	R	Dashoguz			23										
TUR	424.0	SEL	Efes / Selcuk			20						23				
TUR	425.0	BUK	Ankara / Cubuk			19		01	23			22	23			
TUR	430.0	ERN	Erzincan			21										
TUR	432.0	GAZ	Gaziantep / Oguzeli			19		19	23			23	20			
TUR	433.0	CRD	Cardak / Denizli			20			21			22	23			
TUR	440.0	MNI	Amasya / Merzifon			23			22			22				
TUR	465.0	SIN	Sinop			20										
TUR	470.0	BAT	Batman			20		23	22			23				
TUR	470.0	BRI	Balikesir			20										
TUR	480.0	CLD	Aydin / Cildir			20			20			19	22			
TUR	487.0	BEY	Beypazari			20		01	18			22	23			
UKR	425.0	KS	Kolomyia			16										
UKR	445.0	ZU	Starokonstantinov		15	19			19		20	18				
UKR	509.0	CR	Chernivtsi									18				
UKR	534.0	LC	Gostomel / Antonov			15			20			17	22			
UKR	561.0	JK	Lutsk			17	00					17				
UKR	588.0	SN	Simferopol	23	22	17		01	23	21		17	23			
UKR	598.0	FN	Ivano-Frankivsk	23		17	21	01	16			15	19			
UKR	690.0	DM	Dmytrivka			17										
UKR	700.0	B	Berdiansk			17		19	16	19		02	23			
UKR	1148.0	J	Lutsk	22		17	17		17			17	19			
UZB	435.0	ZR	Nukus			21										
UZB	485.0	N	Urganch			17		23	18	00		01	22			
UZB	743.0	SR	Sergeli			17										
UZB	888.0	Z	Nukus			17										
UZB	983.0	NU	Urgench			17										
XOA	485.0	CHG	Chiraq 1 / BP AGT			18			22			22	23			
XUE	435.0	KI	UNID - Chkalovskij ?			17	23	00	21			22	23			

XUE	435.0	S	UNID			05										
XUE	460.0	AS	UNID	22	22	01	23	01	23	18		18	22	23		21
XUE	570.0	DO	UNID	23	18	17	23	01	16	19	23		23	23	19	
XUE	808.0	L	UNID - Savasleyka ?			17			18							
XUF	430.0	TA	UNID			19		01	21			22				
XUF	470.0	BK	UNID	22	21	17	23	01	18	18		17	22			21
XUF	500.0	LGT	UNID						21	21		20	22			
XUF	526.0	MA	UNID			22	23	01	17	21		21	23			
XUU	420.0	BF	UNID					00	18			02				
XUU	426.0	YY	UNID			17			18							
XUU	440.0	BHL	UNID						22			03				
XUU	475.0	CHN	UNID					01	00			03	23			
XUU	480.0	NPR	UNID													21
XUU	515.0	RG	UNID					01	23			02				
XUU	520.0	CHA	UNID - Chellala (ALG) ???	23	21	17		19	01	00		19	21			21
XUU	545.0	K	UNID			16										
XUU	610.0	D	UNID	23	19											
XUU	615.0	CHK	UNID			01										
XUU	660.0	AA	UNID			18										
XUU	692.0	WL	UNID			17										
XUU	744.0	PA	UNID			18										
XUU	779.0	EG	UNID			17										
XUU	1066.0	SU	UNID			17	16		16				19			
XUU	1245.0	YAY	UNID						18							
Cou, S/P	**QRG**	**ID**	**Name**	**CZE my**	**CZE ze**	**DEU hw**	**DEU je**	**ENG jms**	**ENG nw**	**ENG pnd**	**ENG px**	**HOL prk**	**HOL rb**	**ITA ado**	**ITA gmi**	**ITA vti**

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 jms	ENG nw	ENG pnd	ENG px	HOL prk	HOL rb	ITA ado	ITA gmi	ITA vti	Total
AGL	Angola			1											**1**
ALG	Algeria	2	2	5	4	4	5	2		5	5	1		1	**5**
ARM	Armenia			1											**1**
AUT	Austria	2	2	2	2	2	2		1	2	2	2	1	2	**2**
AZE	Azerbaijan			1		1	1			1	1				**1**
AZR	Azores			2			2			1	1				**2**
BIH	Bosnia-Hercegovina	2	2	2	2	1	1		1	1	2	1	2	1	**2**
BLR	Belarus			4	3	1	3			5					**7**
BUL	Bulgaria	3	3	2	3	3	3	3	1	3	3	3	2	1	**3**

CAN	Canada, NL			1	1	1	1			1	1				1
CAN	Canada, NU			1	1	1	1			1					1
CZE	Czechia	6	6	4	6	2	4	2	2	3	4	1	2	2	6
DEU	Germany	3	3	3	3	3	3		2	3	3	3	2	3	3
ENG	England			3	3	3	3	2	3	3	3				3
ESP	Spain			2	2	2	3	1	4	1	2			1	4
FRA	France	6	4	8	6	7	8	1	3	7	7	5	2	3	8
GEO	Georgia		2	2	1	2	2	1		2	2	1			2
GRC	Greece			1						1					1
HNG	Hungary	1	1	2	1	1	2	1	1	2	1	1		1	2
HRV	Croatia	6	6	6	6	6	6	2	4	6	5	6	6	5	6
IRN	Iran			5			2			2					5
KAL	Kalinigrad	2	1	4	2	2	4	2	1	4	3	1			5
KAZ	Kazakhstan			2											2
LBY	Libya			3	1	2	3	1		3	2				3
MKD	Macedonia	1	1	1	1	1	1	1		1	1	1	1		1
MNE	Montenegro (Yugoslavia)	1	1	1	1	1	1			1	1	1			1
MNG	Mongolia			2			1								2
NIR	Northern Ireland			1	1	1	1		1	1	1				1
NOR	Norway			1			1			1					1
POL	Poland	6	5	6	8	6	8	5	5	8	5	3	3	2	8
ROU	Romania	6	7	8	7	7	8	2	2	7	4	4	3	1	8
RSE	Russia (Eastern)	2	1	38	6	4	17			5	7				38
RUS	Russia (European)	36	29	164	59	55	99	30	18	81	60	7			169
SCT	Scotland	1		1	1	1	1		1	1	1				1
SRB	Serbia (Yugoslavia)	6	7	7	7	6	6	6	5	6	6	6	6	5	7
SVK	Slovakia	5	5	5	5	5	5	4	4	5	4	4	2	3	5
SVN	Slovenia	1	1	1	1		1		1	1	1	1	1	1	1
SWE	Sweden	1	1	2	2	2	2		2	2	2	1		1	2
SYR	Syria			1											1
TJK	Tajikistan			1											1
TKM	Turkmenistan			2						1					2
TUR	Turkey			11		4	7			8	5				11
UKR	Ukraine	3	2	9	3	3	6	2	1	8	5				10
UZB	Uzbekistan			5		1	1	1		1	1				5
XOA	Int Waters: Asia			1			1			1	1				1
XUE	UNID (Europe?)	2	2	5	3	3	4	2	1	2	3	2	1	1	5
XUF	UNID (Africa?)	1	1	3	2	3	4	3		4	3			1	4
XUU	UNID (No idea where)	2	2	9	1	4	8	1		5	3			2	16
Cou	**Cou-Name**	**CZE my**	**CZE ze**	**DEU hw**	**DEU je**	**ENG jms**	**ENG nw**	**ENG pnd**	**ENG px**	**HOL prk**	**HOL rb**	**ITA ado**	**ITA gmi**	**ITA vti**	**Total**

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 jms	ENG nw	ENG pnd	ENG px	HOL prk	HOL rb	ITA ado	ITA gmi	ITA vti
00:00 - 00:59			8	10	10	3	10		5	4			5
01:00 - 01:59			8	2	104	7	3		5	5			5
02:00 - 02:59			6	1	4		5		5				
03:00 - 03:59			10	4	4	4			2				
04:00 - 04:59			6	3					2	1			
05:00 - 05:59			4	4		6			6				
06:00 - 06:59						1							
07:00 - 07:59													
08:00 - 08:59													
09:00 - 09:59													
10:00 - 10:59													
11:00 - 11:59													
12:00 - 12:59													
13:00 - 13:59					6								
14:00 - 14:59						5	1						
15:00 - 15:59		2	23	2					45				
16:00 - 16:59	3	1	12	10		94			45				1
17:00 - 17:59		11	184	2		6			31			13	
18:00 - 18:59		7	14	1		50	20		14			20	2
19:00 - 19:59		7	19	7	16	5	11	13	11	20		1	1
20:00 - 20:59	26	36	22	9		10		17	1	20			8
21:00 - 21:59	18	24	5	20		11	17	11	8	7			15
22:00 - 22:59	34	9	15	24		16	8	16	17	32			
23:00 - 23:59	26		16	56	7	24		7	10	72	55		
UTC (hh)	**CZE my**	**CZE ze**	**DEU hw**	**DEU je**	**ENG jms**	**ENG nw**	**ENG pnd**	**ENG px**	**HOL prk**	**HOL rb**	**ITA ado**	**ITA gmi**	**ITA vti**
NDBs:	**107**	**97**	**352**	**155**	**151**	**242**	**75**	**64**	**207**	**161**	**55**	**34**	**37**

NDB COUNTS, BY FREQUENCY:

The number of NDBs logged by each reporter on each frequency and the number logged by all on each frequency, ignoring offsets:

NDBs	QRG	CZE my	CZE ze	DEU hw	DEU je	ENG jms	ENG nw	ENG pnd	ENG px	HOL prk	HOL rb	ITA ado	ITA gmi	ITA vti	NDBs
1	245.0			1						1					**1**
4	250.0			4	1	1	1			1	1				**4**
2	255.0		1	2	1	1	1	1		1	1	1			**2**

2	256.0		1	2	2	2	2			2					**2**
1	258.0			1											**1**
1	258.5			1			1			1					**1**
2	260.0			2			2			1					**2**
1	262.0	1	1	1	1	1	1	1	1	1	1				**1**
1	264.0			1											**1**
1	265.0	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
1	266.0	1	1	1	1	1	1	1		1	1	1			**1**
1	267.5	1	1	1	1	1	1			1		1	1		**1**
9	420.0	3	3	8	4	5	8		2	4	5	2		1	**9**
3	421.0	2	2	3	3	3	3		3	3	3	2	1	2	**3**
3	422.0	1	1	3	1	2	2			1	1	1	1		**3**
4	423.0	3	2	4	4	3	3		2	3	4	1	1	1	**4**
5	424.0	2	2	4	3	3	3		3	4	4	2	2	3	**5**
4	425.0	2	2	4	2	3	3		1	3	2	2	1		**4**
4	426.0	3	2	4	2	3	4		2	3	3	2	2	2	**4**
6	428.0	3	3	6	4	4	5		2	5	4	3	2	1	**6**
2	429.0	1	1	2	1	1	1			2		1	1	1	**2**
6	430.0	3	2	6	4	5	5		2	5	4	1		1	**6**
2	431.0	2	1	2	2	2	2		1	2	2	1		1	**2**
6	432.0	3	2	6	4	4	6	4	1	6	5	2	2	1	**6**
6	433.0	1	1	5	3	2	4	2	3	4	2	1	1	1	**6**
1	433.5			1	1	1	1	1	1	1	1				**1**
1	434.0	1	1	1	1	1	1			1	1				**1**
6	435.0	1	1	6	2	4	4	1		3	3	1	1	1	**6**
2	436.0	1	1	1	2	1	2	1	1	2	1	1		1	**2**
1	437.0	1	1	1	1	1	1	1	1	1		1			**1**
3	438.0	2	2	3	2	1	2	1	1	1	1		1	1	**3**
3	440.0			2		1	3			3	1				**3**
4	445.0	2	2	4	2	1	3		3	2	2		1	1	**4**
5	450.0	1	1	5	1	2	2	1		2	2	1	1	1	**5**
2	455.0	1	1	2	1	2	2	1	1	2	2				**2**
1	458.0			1	1		1			1	1				**1**
2	460.0	1	1	2	1	1	1	1		1	1	1		1	**2**
1	463.0	1	1	1	1		1		1	1	1	1	1	1	**1**
1	465.0			1											**1**
2	468.0	1	1	2	1	2	2	1	1	2	1	1	1	1	**2**
1	469.0			1						1					**1**
5	470.0	2	2	5	3	4	4	3	1	4	3	1	1	2	**5**
1	474.5				1		1			1					**1**
6	475.0	1	1	4	1	2	3	1		3	2				**6**
2	477.0	1	1	2	1	1	1	1	1	2	1	1		1	**2**
1	478.0	1	1	1	1	1	1			1	1				**1**

1	479.0			1		1	1								**1**
6	480.0	1	1	5	1	1	3	1	1	2	3	1		1	**6**
1	482.0			1			1								**1**
5	485.0	2	2	4	2	3	4	2	1	5	4	1	1	1	**5**
1	486.0	1	1	1	1	1	1	1		1	1	1			**1**
1	487.0			1		1	1			1	1				**1**
1	488.0	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
3	489.0	2	2	2	2	2	3	1	2	3	2	1	2	2	**3**
2	490.0	1	1	2	1	1	2	2	1	2	2	1	1		**2**
1	492.0			1						1					**1**
2	493.0	1	1	2	1	2	2		1	1	2				**2**
1	495.0	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
1	500.0						1	1		1	1				**1**
1	506.0	1	1	1	1	1	1	1		1	1	1			**1**
1	507.0		1	1			1			1					**1**
1	508.0	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
1	509.0									1					**1**
4	510.0	1	1	4	2	1	2			1	1				**4**
1	511.0			1		1	1			1					**1**
1	514.0			1											**1**
1	514.5	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
3	515.0	1		2	1	2	3	1		2	2				**3**
5	520.0	4	5	5	3	4	5	3	2	5	5	2	1	1	**5**
1	521.0	1	1	1	1	1	1	1	1	1	1	1	1	1	**1**
2	522.0			2	1		1			1					**2**
2	525.0			1			1								**2**
2	526.0			2	1	1	1	1		1	1				**2**
1	527.0	1	1	1	1		1		1	1	1				**1**
1	528.0			1											**1**
1	530.0			1			1								**1**
1	534.0			1			1			1	1				**1**
1	537.0	1	1		1	1	1	1		1	1	1			**1**
1	545.0			1											**1**
1	561.0			1	1					1					**1**
1	563.0	1	1		1						1				**1**
1	564.0			1	1	1	1	1		1	1				**1**
1	565.0			1		1	1			1	1				**1**
2	570.0	2	1	2	2	2	2	2	2	1	2	1	1		**2**
1	571.0	1	1	1	1	1	1	1		1	1	1			**1**
1	580.0			1											**1**
1	581.0			1											**1**
1	588.0	1	1	1		1	1	1		1	1				**1**
2	591.0	1	1	2	1	1	1	1	1	1	1				**2**

1	592.0		1	1	1	1	1			1	1	1			**1**
1	596.0			1	1										**1**
1	598.0	1		1	1	1	1			1	1				**1**
1	599.0			1											**1**
1	610.0	1	1												**1**
1	615.0			1											**1**
1	616.0			1											**1**
2	618.0			2	1	1	1	1		1	1				**2**
1	620.0			1			1			1					**1**
4	625.0			4			2			2					**4**
4	635.0			4	2	1	3			2	1				**4**
1	640.0			1											**1**
1	642.0			1											**1**
1	643.0			1											**1**
1	644.0			1											**1**
1	645.0			1											**1**
1	654.0			1											**1**
1	655.0			1											**1**
2	659.0	1		2	1	2	2			2	1				**2**
3	660.0			3											**3**
2	662.0			2		1	1			1					**2**
4	670.0			4	1	1	2			1					**4**
4	680.0			4	1	1	2			2					**4**
1	682.0	1	1	1	1	1	1	1		1					**1**
1	685.0			1											**1**
1	687.0	1		1	1	1	1	1		1	1				**1**
3	690.0			3											**3**
2	692.0			2											**2**
1	694.0			1			1								**1**
1	697.0			1											**1**
1	699.0			1											**1**
3	700.0		1	3		2	1	1		1	1				**3**
4	705.0	1	1	4	1	1	2			2	1				**4**
2	707.0	1		2	1	1	2			1	1				**2**
1	708.0			1	1						1				**1**
3	713.0			3		1	2				1				**3**
1	715.0			1		1	1				1				**1**
1	718.0	1		1	1	1	1			1	1				**1**
1	725.0			1		1	1			1	1				**1**
3	730.0	1		3		1	2	1		2	1				**3**
2	732.0	2	1	2	1	1	1	1	1	1	1				**2**
1	733.0			1			1								**1**
1	735.0			1		1	1			1					**1**

1	737.0			1			1			1					**1**
7	740.0			7			4	1		1	1	1			**7**
1	742.0	1		1	1	1	1	1		1	1				**1**
1	743.0			1											**1**
1	744.0			1											**1**
1	745.0	1	1	1	1	1	1	1	1	1	1				**1**
3	749.0			2		1	3								**3**
1	752.0	1	1	1	1	1	1			1	1				**1**
1	760.0			1			1								**1**
1	770.0	1	1	1	1	1	1				1				**1**
1	777.0			1		1	1	1		1	1				**1**
1	779.0			1											**1**
5	780.0			5			2			1	1				**5**
3	785.0			3			1			1	1				**3**
1	795.0			1			1								**1**
1	808.0			1			1								**1**
1	816.0			1			1								**1**
2	825.0			2			2			1					**2**
1	829.0	1		1			1			1	1				**1**
1	830.0			1			1								**1**
1	832.0			1											**1**
1	840.0	1	1	1	1	1	1	1	1	1	1	1			**1**
1	843.0			1											**1**
1	850.0			1	1	1	1	1	1	1	1				**1**
1	852.0	1		1	1	1	1		1	1	1				**1**
2	860.0			2		1	1			1	1				**2**
1	876.0	1		1	1	1	1	1		1	1				**1**
2	888.0	1	1	1	1										**2**
1	900.0	1	1	1	1	1	1	1	1	1	1				**1**
2	905.0	1		2	2	1	2	1		2	1				**2**
1	910.0			1			1	1		1	1				**1**
1	914.0			1	1		1	1		1	1				**1**
2	915.0			2											**2**
2	920.0			1	1			1		1	1				**2**
1	921.0			1			1			1	1				**1**
3	930.0			3	2	1	1			2					**3**
1	932.0			1	1	1	1	1		1	1				**1**
1	939.0			1	1		1								**1**
1	949.0			1			1			1					**1**
1	950.0			1			1								**1**
1	960.0			1	1		1	1	1	1	1				**1**
2	963.0			2						1					**2**
1	965.0			1						1					**1**

NDBs	QRG	CZE my	CZE ze	DEU hw	DEU je	ENG jms	ENG nw	ENG pnd	ENG px	HOL prk	HOL rb	ITA ado	ITA gmi	ITA vti	NDBs
1	975.0			1	1										**1**
1	983.0			1											**1**
1	985.0		1	1	1	1	1	1	1	1	1				**1**
2	995.0		1	2	1		1			1					**2**
2	1000.0			2											**2**
1	1005.0	1	1	1	1	1	1	1	1	1	1				**1**
1	1016.0			1											**1**
2	1020.0	1	1	2	1										**2**
2	1025.0			2											**2**
1	1046.0				1										**1**
1	1055.0		1	1	1	1	1			1					**1**
1	1061.0			1	1		1			1	1				**1**
3	1065.0			2	1		2			1					**3**
1	1066.0			1	1		1				1				**1**
1	1075.0			1	1		1								**1**
1	1080.0	1	1	1	1	1	1	1		1	1				**1**
1	1100.0			1	1	1	1	1		1	1				**1**
1	1130.0			1			1								**1**
1	1148.0	1		1	1		1			1	1				**1**
1	1155.0				1										**1**
1	1175.0			1	1		1			1					**1**
1	1185.0			1	1										**1**
1	1205.0			1											**1**
1	1210.0			1			1			1	1				**1**
3	1215.0		1	3	1		2	1		2	2	1			**3**
1	1245.0						1								**1**
1	1285.0	1	1	1	1		1		1	1	1				**1**
3	1290.0	1	1	3	1		1		1	1	1	1			**3**

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	S/P	ITU	Rptr	UTC
1000.0	GN	Gelenjik		RUS	**hw**	1713
1000.0	KZ	Severnoye		RSE	**hw**	1713
1016.0	A	Budennovsk		RUS	**hw**	1513
1020.0	KA	Olzony		RSE	**hw**	1713
1025.0	G	Saransk		RUS	**hw**	1713

1025.0	US	Muravlyanka	RUS	**hw**	1956
1065.0	R	Severo-Yeniseysky	RSE	**hw**	2240
1205.0	C	Morozovsk	RUS	**hw**	2310
1215.0	P	Ufa	RUS	**hw**	1501
1290.0	P	Murmansk / Murmashi South	RUS	**hw**	1650
1290.0	R	Murmansk	RUS	**hw**	0310
250.0	CH	Vladikakaz	RUS	**hw**	2220
250.0	M	Gromovo	RUS	**hw**	2340
250.0	Z	Voronezh / Pridacha	RUS	**hw**	0425
255.0	SBZ	Sabzevar	IRN	**hw**	2105
258.0	LU	Luanda /4 de Fevereiro	AGL	**hw**	2005
264.0	ABD	Damascus International / Abyad	SYR	**hw**	2230
420.0	SHF	Michurinsk	RUS	**hw**	1713
422.0	GON	Gonabad	IRN	**hw**	2014
425.0	KS	Kolomyia	UKR	**hw**	1650
428.0	AR	Barnaul / Mihailovka	RSE	**hw**	2246
430.0	ERN	Erzincan	TUR	**hw**	2140
433.0	MI	Ermolino	RUS	**hw**	0135
435.0	S	UNID	XUE	**hw**	0520
435.0	ZR	Nukus	UZB	**hw**	2156
438.0	XA	Kirov	RUS	**hw**	1713
450.0	BN	Bovanenkovo	RSE	**hw**	0010
450.0	JH	Nizhnevartovsk	RSE	**hw**	1910
450.0	NZ	Nizhnevartovsk	RSE	**hw**	1938
460.0	UGN	Urdzhar	KAZ	**hw**	2021
465.0	SIN	Sinop	TUR	**hw**	2038
470.0	BRI	Balikesir	TUR	**hw**	2055
475.0	AM	Kazan	RUS	**hw**	1713
475.0	JD	Fayzabad	TJK	**hw**	1806
475.0	UCH	Kotelnikovo	RUS	**hw**	1750
480.0	AP	Anapa / Vityazevo	RUS	**hw**	0318
480.0	K	Tambov	RUS	**hw**	1905
510.0	CR	Cheboksary	RUS	**hw**	1713
514.0	IR	Irkutsk	RSE	**hw**	1910
525.0	MU	Muren	MNG	**hw**	1930
526.0	FV	Nizhneudinsk	RSE	**hw**	2015
528.0	UH	Tikhoretsk	RUS	**hw**	1713
545.0	K	UNID	XUU	**hw**	1602
580.0	YN	Erebuni	ARM	**hw**	1713
581.0	DM	Moscow - Ramenskoe	RUS	**hw**	2014
591.0	D	Maykop / Khanskaya	RUS	**hw**	0030
599.0	X	Tyumen / Roschino	RSE	**hw**	2320
615.0	CHK	UNID	XUU	**hw**	0150

616.0	N	Shatalovo	RUS	**hw**	2248
625.0	NW	Ostafievo	RUS	**hw**	0340
625.0	O	Rtishchevo	RUS	**hw**	2358
635.0	MD	Izhevsk	RUS	**hw**	0253
640.0	C	Komsomolskoye	RUS	**hw**	1756
642.0	KN	Moscow / Kostino	RUS	**hw**	1713
643.0	RZ	Sharanga	RUS	**hw**	1713
644.0	SL	Solodniki	RUS	**hw**	1940
645.0	Q	Petrozavodsk / Besovets	RUS	**hw**	1713
654.0	M	Astana/Akmola	KAZ	**hw**	1713
655.0	MP	Strezhevoy	RSE	**hw**	0125
660.0	AA	UNID	XUU	**hw**	1806
660.0	GV	Kolyvan	RSE	**hw**	2120
660.0	J	Voronezh / Baltimore	RUS	**hw**	1713
662.0	R	Dashoguz	TKM	**hw**	2302
670.0	PB	Vologda-Kipelovo	RUS	**hw**	1501
670.0	UD	Bagaj / Baranovka	RUS	**hw**	1513
680.0	L	Ulyanovsk-Baratayevka	RUS	**hw**	1848
680.0	RK	Naryan Mar	RUS	**hw**	1540
685.0	B	Krasnoyarsk / Yemelyanovo	RSE	**hw**	1742
690.0	AZ	Arkhangelsk / Talagi	RUS	**hw**	1713
690.0	DM	Dmytrivka	UKR	**hw**	1713
690.0	KM	Akhangelsk / Talagi	RUS	**hw**	1535
692.0	V	Khotilovo / Novyj	RUS	**hw**	1713
692.0	WL	UNID	XUU	**hw**	1713
697.0	KQ	Tambov	RUS	**hw**	2230
699.0	NH	Nikolsk	RSE	**hw**	2032
700.0	AD	Moscow / Sheremetievo	RUS	**hw**	2256
705.0	YA	Tula / Klokovo	RUS	**hw**	1513
705.0	Z	Tula / Klokovo	RUS	**hw**	2205
713.0	DO	Kazan	RUS	**hw**	0230
730.0	WS	Arkhangels / Vaskovo	RUS	**hw**	0403
740.0	H	Makhachkala / Uytash	RUS	**hw**	1610
740.0	R	Syzran Northeast	RUS	**hw**	1848
740.0	SZ	Ivanovo North	RUS	**hw**	0305
743.0	SR	Sergeli	UZB	**hw**	1713
744.0	PA	UNID	XUU	**hw**	1835
779.0	EG	UNID	XUU	**hw**	1713
780.0	O	Orsk	RUS	**hw**	2334
780.0	P	Anapa / Vityazevo	RUS	**hw**	0310
780.0	WI	Uray	RSE	**hw**	1501
785.0	IU	Beloyarsk	RSE	**hw**	0244
785.0	M	Levashovo	RUS	**hw**	1501

832.0	PL	Olenya	RUS	**hw**	1713
843.0	W	Orenburg / Tsentralniy	RUS	**hw**	1713
860.0	UT	Utrenny	RUS	**hw**	1520
888.0	Z	Nukus	UZB	**hw**	1713
915.0	J	Nizhnevartovsk	RSE	**hw**	1501
915.0	N	Nizhnevartovsk	RSE	**hw**	1940
930.0	L	Chernyakhovsk	KAL	**hw**	0529
963.0	U	Kotelnikovo	RUS	**hw**	1713
983.0	NU	Urgench	UZB	**hw**	1713
995.0	N	Kemerovo	RSE	**hw**	1713
1046.0	TZ	Vologda	RUS	**je**	1611
1155.0	BF	Krasnyj Kut	RUS	**je**	1640
920.0	G	Grodno / Obukhovo	BLR	**je**	0542
1065.0	W	Vitebsk / Vostochny	BLR	**nw**	0515
1245.0	YAY	UNID	XUU	**nw**	1814
525.0	PL	Pulkovo / St.Petersburg	RUS	**nw**	0615
749.0	A	Nizhnekamsk / Begishevo	RUS	**nw**	2115
485.0	C	Brest	BLR	**prk**	0500
509.0	CR	Chernivtsi	UKR	**prk**	1800
480.0	NPR	UNID	XUU	**vti**	2113

FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

THEN	CLE324 240-269.9 kHz / 420-1740 kHz - 23.01.2026 - 26.01.2026
NOW	CLE333 240-269.9 kHz / 420-1740 kHz 23.10.2026 - 26.10.2026

Listener	Av km THEN	Av km NOW	Total km x 1000 THEN	Total km x 1000 NOW	NDBs THEN	NDBs NOW	Max km THEN	Max km NOW
CZE my	1094	1188	107	121	102	107	2530	3601
DEU hw	1891	2261	503	753	278	352	5187	6814
DEU je	1363	1613	183	240	137	155	2466	4945
ENG jms	1883	2188	196	306	107	151	5090	5154
ENG nw	2171	2433	412	547	204	242	4933	7136
ENG pnd	2339	2415	295	167	132	75	5379	4925
ENG px	1456	1704	66	107	45	64	2841	3044
HOL prk	1081	1981	43	388	41	207	1878	5372
HOL rb	1502	2082	110	314	73	161	2915	5633
ITA ado	626	952	18	50	29	55	1191	2700

ITA vti	636	722	11	24	17	37	1246	1356
Averages:	**1458**	**1776**	**177**	**274**	**106**	**146**	**3241**	**4607**
% Increase:		**22**		**55**		**38**		**42**

Listener	Av km THEN	Av km NOW	Total km x 1000 THEN	Total km x 1000 NOW	NDBs THEN	NDBs NOW	Max km THEN	Max km NOW
CZE ze (RXX ID 1143)		1007		93		97		3206
ITA gmi		811		27		34		1349
Averages:		**909**		**60**		**66**		**2278**
% 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.
Another reason for differences is the use of software which can analyze audio or IQ data
allowing us to "see" the NDB idents as opposed to hearing them!

CLE333_Results_REU.xls / NH Ver. 1.68
je - 28.10.2026