# NDB LIST CLE No. 228 260 - 269,9 kHz / 440 - 1740 kHz 26.01.2018 - 29.01.2018

**COMBINED RESULTS**
**EUROPE**

For overall statistics, please see the covering email.

## Reporters:

| | | |
|---|---|---|
| **CZE** | lk | Ludek Kosek, Jablonec nad Nisou, N. Bohemia |
| **CZE** | ms | Miroslav Sperlin, Olomouc |
| **CZE** | my | Milos Holy, Lhota pod Radcem |
| **CZE** | ze | Zdenek Elias, Jablonec nad Nisou, N. Bohemia |
| **DEU** | bd | Bernhard Hein, Dessau-Roßlau |
| **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** | me | Mike Thayne, Whitley Bay |
| **ENG** | pt | John Pitty, Horsham, West Sussex |
| **ENG** | px | Peter Greatorex, Bolsover, Derbyshire |
| **ENG** | yk | Dave Robson, York |
| **FIN** | jt | Jarno Fält, Tampere |
| **FIN** | ro | Raimo Karjalainen, Laukaa, near Jyvaskyla |
| **HOL** | rb | Roelof Bakker, Middelburg, Zealand |
| **ITA** | wb | William G Buchanan, Alessandria |
| **SCT** | ds | David Atkins, Tighnabruaich, Argyll |
| **SCT** | wk | Mark Borthwick, Hawick |
| **SWE** | ll | Lars Lahti, Haparanda |
| **UKR** | d6 | Dan Petersen (WA), via KiwiSDR at Lutsk |

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 ms | CZE my | CZE ze | DEU bd | DEU hw | DEU je | ENG ag | ENG bk | ENG hh | ENG me | ENG pt | ENG px | ENG yk | FIN jt | FIN ro | HOL rb | ITA wb | SCT ds | SCT wk | SWE ll | UKR d6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **ALG** | 510.0 | BL | Blida | | 19 | 01 | 22 | | 23 | 03 | 02 | 21 | 00 | | 20 | 20 | | | | | 01 | 00 | | | |
| **AZE** | 456.0 | NT | Nakhchivan | | 19 | | | | 20 | | | | | | | | | | | 21 | | | | | |
| **AZE** | 493.0 | NO | Nakhchivan | | | | | | | | | | | | | | | | | 21 | | | | | |
| **BIH** | 445.0 | TU | Tuzla | 21 | 14 | 20 | 21 | 20 | 16 | 18 | | 23 | 20 | 21 | 21 | 21 | | | | 18 | 20 | | | | 22 |
| **BLR** | 445.0 | CL | Lida | | | | | | 06 | | | | | | | | | | | 06 | | | | | |
| **BLR** | 452.0 | GP | Grodno / Obukhovo | | | | | | 05 | 05 | | | | | | | | 05 | | 04 | | | | | |
| **BLR** | 452.0 | WF | Grodno / Obukhovo | | | | | | 05 | 05 | | | | | | | | | | 04 | | | | | |
| **BLR** | 458.0 | QM | Minsk / Machulishchi | | | | 22 | | 05 | 05 | | | | | | | | | | 04 | | | | | |
| **BLR** | 477.0 | CHA | Baranovichi | | | | | | 05 | | | | | | | | | 05 | | 05 | | | | | |
| **BLR** | 477.0 | DE | Baranovichi | | | | | | | | | | | | | | | | | 05 | | | | | |
| **BLR** | 485.0 | CO | Mogilyov | | | | | | 05 | | | | | | | | | | | 05 | | | | | 05 |
| **BLR** | 485.0 | UF | Mogilyov | | | | | | 05 | | | | | | | | | | | 05 | | | | | |
| **BLR** | 511.0 | G | Gomel | | 17 | | | | 21 | 22 | | | 22 | | | | | 18 | 21 | 20 | | | | | |
| **BLR** | 524.0 | UU | Vitebsk / Vostochny | | | | | | 05 | 05 | | | 05 | | | | | 05 | | 05 | | | | | |
| **BLR** | 524.0 | WS | Vitebsk / Vostochny | | | | | | | | | | 05 | | | | | | | 05 | | | | | |
| **BLR** | 635.0 | VX | Minsk 2 | | 15 | | 23 | | | 03 | | | | | | | | 18 | 17 | | | | | | |

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| **BLR** | 920.0 | G | Grodno / Obukhovo | | | | | | 05 | 05 | | | | | | | | | | | | | | | | |
| **BLR** | 920.0 | W | Hrodna | | | | | | 05 | 05 | | | | | | | | | | | | | | | | |
| **BLR** | 930.0 | Q | Minsk / Machulishchi | | | | | | 05 | 05 | | | | | | | | | | | | | | | | 03 |
| **BLR** | 985.0 | C | Mogilyov | | | | | | | 05 | | | | | | | | | | | | | | | | |
| **BRA** | 1645.0 | MLZ | Platform Merluza (SP) | | | | | | 02 | | | | | | | | | | | | | | | | 04 | |
| **BUL** | 450.0 | PDV | Plovdiv | 22 | 16 | 20 | 21 | 20 | 16 | 00 | | | 20 | | | | | 18 | | 20 | 21 | | | | | 22 |
| **BUL** | 490.0 | WAK | Vakarel | 21 | 15 | 20 | 22 | 16 | 16 | 23 | | 00 | 20 | 00 | 22 | | 23 | 16 | 21 | 19 | 00 | | | | | 01 |
| **BUL** | 537.0 | P | Plovdiv | | 03 | 21 | | | 03 | | | | | | | | | | | | | | | | | |
| **CAN, NB** | 520.0 | F9 | Chatham (Miramichi) | | | | | | | | | | | 06 | | | | | | 03 | | | | | | |
| **CAN, NS** | 263.0 | QY | Sydney | | | | | | 22 | 05 | | 23 | 22 | | 22 | 22 | 23 | | | 07 | | 01 | | | | |
| **CAN, NU** | 263.0 | YBB | Pelly Bay' Kugaaruk | | | | | | | | | | | | | | | 05 | | 02 | | | | 05 | | |
| **CAN, ON** | 516.0 | YWA | Petawawa | | | | | | | | | | | | | | | | | 04 | | | | | | |
| **CHN** | 475.0 | JR | Beijing / Liangxiang | | | | | | | | | | | | | | | 17 | | | | | | | | |
| **CZE** | 448.0 | HLV | Holesov | 17 | 12 | 20 | 21 | 16 | 16 | 19 | 02 | 23 | 16 | 16 | 21 | 20 | 22 | 18 | 20 | 18 | 20 | 01 | | | | 22 |
| **CZE** | 492.0 | TBV | Moravska / Trebova | 21 | 12 | 21 | 22 | 16 | 16 | 19 | 02 | 21 | 19 | 20 | 20 | 20 | 00 | 16 | 21 | 20 | 21 | 00 | 00 | | | 01 |
| **CZE** | 514.5 | LA | Namest Nad Oslavou | 21 | 12 | 21 | 22 | 16 | 16 | 19 | 02 | 21 | 16 | 17 | | 20 | 00 | 17 | 21 | 20 | 22 | 00 | | | | |
| **CZE** | 534.0 | R | Ostrava / Mosnov / Rada | | 12 | | 20 | 17 | 16 | | | | | | | | | 16 | 19 | | | | | | | |
| **CZE** | 563.0 | XU | Namest Nad Oslavou | | 12 | 21 | 05 | 17 | 16 | 19 | | | 16 | 02 | | 21 | 23 | | | | | | | | | |
| **CZE** | 715.0 | C | Caslav | | 12 | 21 | 20 | 17 | | 21 | | | 16 | 01 | | 22 | | | | 20 | | | | | | |
| **CZE** | 888.0 | P | Pardubice | | 12 | 02 | 17 | 17 | 15 | 21 | | | | | | | | | | | | | | | | |
| **DEU** | 448.0 | LQ | Landsberg | 21 | 17 | 20 | 21 | 16 | 16 | 21 | | 00 | 20 | 21 | 21 | 20 | 23 | 23 | | 18 | 23 | | | | | |
| **DEU** | 452.0 | ANS | Ansbach | 22 | 17 | 20 | 21 | 19 | 16 | 19 | 02 | 16 | 16 | 22 | 21 | 20 | 23 | 18 | 20 | 18 | 21 | 23 | 02 | | | |
| **DEU** | 468.0 | FTZ | Fritzlar | 21 | 16 | 01 | 21 | 16 | 16 | 19 | 03 | 16 | 16 | 16 | 18 | 20 | 23 | 18 | 20 | 18 | 23 | 23 | 02 | | | |
| **DEU** | 472.0 | DK8ND | Wernau / Neckar | | | | 20 | | | | | | | | | | | | | | | | | | | |
| **DEU** | 484.0 | HOF | Hof | | 17 | 02 | 21 | 09 | 16 | 00 | | 06 | 20 | 02 | 22 | 22 | 23 | 19 | | 18 | | | | | | |
| **DEU** | 488.0 | ILM | Illesheim | 21 | 16 | 01 | 22 | 16 | 16 | 19 | 01 | 16 | 20 | 16 | 19 | 20 | 23 | 18 | 21 | 18 | 00 | 00 | 00 | | | |
| **DEU** | 489.0 | SIL | Siegen / Siegerland | | | | 22 | | 23 | 01 | | | 20 | | 21 | | | | | | | | | | | |
| **ENG** | 850.0 | CIT | Cranfield | | | | | | | | | 13 | 19 | | | 13 | | | | | | | | | | |
| **EST** | 514.0 | GO | Amari Air Base | 21 | 19 | 21 | 22 | 16 | 23 | 19 | 02 | 21 | 16 | 17 | 20 | 20 | 00 | 16 | 21 | 20 | | 00 | 02 | | | 01 |
| **GEO** | 450.0 | MT | Mestia | | | | | | 05 | | | | | | | | | | | | | | | | | |
| **GEO** | 520.0 | DF | Mukhrani | | 19 | 21 | | | 20 | | | 21 | 20 | 00 | | 22 | | 18 | 19 | 18 | | | | | | 01 |
| **HNG** | 456.0 | SEG | Szeged | | | 01 | | | | 22 | | | | | | | | | | | | | | | | |
| **HNG** | 493.0 | P | Papa | | | | | | | | | | 19 | | | | | | | | | | | | | |
| **HNG** | 517.0 | JBR | Jaszbereny | | | | | 20 | | | | | | | | | | | | | | | | | | |
| **HRV** | 265.0 | KAV | Pula / Kavran | 22 | 18 | 01 | 20 | | 22 | 20 | | 23 | 00 | | 22 | 22 | 23 | | | 21 | 13 | | | | | |
| **IRN** | 260.0 | NSR | Noshahr | | | | | | | | | | | | | | | | | | | | | 20 | | |
| **IRN** | 260.0 | RAF | Rafsanjan | | | | | | 22 | | | | | | | | | | | | | | | | | |
| **ITA** | 476.0 | IQ2MI | Milano | | 17 | 01 | 21 | | | | 03 | 23 | | 22 | | | | 01 | | | 12 | | | | | |
| **KAL** | 458.0 | HI | Chernyakhovsk | | | | | | 05 | | | | | | | | | | | 05 | | | | | | |
| **KAL** | 458.0 | LP | Chernyakhovsk | | | | | | | | | | 06 | 03 | | | | | | 06 | | | | | | |
| **KAL** | 840.0 | KR | Kaliningrad / Khrabovo | 22 | 15 | 21 | 19 | 17 | 15 | 20 | | 00 | | 15 | | 22 | | 19 | 16 | 20 | | | | | | |
| **KAL** | 930.0 | H | Chernyakhovsk | | | | | | 06 | | | | | | | | | | | | | | | | | |
| **KAZ** | 443.0 | AL | Almaty | | 17 | | | | 20 | | | | 20 | | | | | | | 17 | | | | | | |
| **LBY** | 470.0 | WF | Wafa | | 19 | | | | 23 | | | | | | | | | | | | | | | | | |
| **MNG** | 480.0 | UH | Undurkhaan | | | | | | | | | | | | | | | 16 | | | | | | | | |
| **MNG** | 510.0 | DZ | Dalanzadgad | | | | | | | | | | | | | | | 14 | | | | | | | | |
| **POL** | 262.0 | NR | Inowroclaw | 22 | 12 | 01 | 20 | | 22 | 19 | | | 00 | | | | | 19 | | 20 | | | | 20 | | |
| **POL** | 444.0 | NRD | Inowroclaw | 19 | 12 | 20 | 21 | 16 | 16 | 19 | 02 | 16 | 16 | 01 | 18 | 20 | 22 | 16 | 20 | 18 | 23 | 23 | 00 | | | 22 |
| **POL** | 465.0 | NED | Deblin | | 13 | | | | 15 | | | | | | | | | | | | | | | | | |
| **POL** | 474.0 | BIA | Rzeszow / Jasionka | 15 | 12 | 20 | 21 | 16 | 16 | 19 | 03 | 16 | 16 | 16 | 19 | 20 | 23 | 16 | 20 | | 21 | 01 | 02 | | | 01 |
| **POL** | 474.5 | SA | Darlowo | | | | | 06 | | | | 06 | 06 | 06 | | | | | | | | | | | | |
| **POL** | 488.0 | NPR | Tomaszow-Mazowiecki / Porter | 22 | 12 | 01 | 22 | 16 | 16 | 19 | 01 | 16 | 16 | 20 | 22 | 20 | | 16 | 21 | 18 | 21 | 00 | 03 | | | 01 |
| **POL** | 489.0 | NK | Poznan / Krzesiny / Kamera | | 12 | 01 | 22 | 16 | 16 | 19 | 03 | 21 | 19 | 16 | 22 | 22 | | 05 | | | | 00 | 03 | | | |
| **POL** | 494.0 | NOW | Oksywie | | | | | | 05 | 05 | | | 19 | 05 | | | | | | | | | | | | |
| **POL** | 494.0 | NWO | Oksywie | | | | | | 05 | | | | | | | | | | | | | | | | | |
| **POL** | 520.0 | NW | Leczyca | 21 | 16 | 21 | 22 | 17 | 16 | 19 | 02 | 21 | 19 | 17 | 22 | 20 | 00 | 16 | 21 | | | | | | | |
| **ROU** | 267.5 | OPW | Bucuresti / Otopeni | | 23 | 01 | 23 | | 23 | | | | 00 | | | | | | | 03 | | | | | | |
| **ROU** | 517.0 | ARD | Arad | 21 | 16 | 21 | 22 | 17 | 23 | 00 | 02 | 21 | | 17 | 20 | 21 | 00 | 17 | 21 | 20 | 22 | | | | | 01 |
| **ROU** | 520.0 | B | Bacau | | 15 | 21 | 22 | 20 | 16 | | | | 20 | | | | | 16 | 17 | | | | | | | |
| **ROU** | 521.0 | BSW | Bucuresti / Baneasa | 21 | 14 | 21 | 22 | 17 | 16 | 00 | | 23 | 19 | 17 | 22 | 22 | 00 | 16 | 21 | 21 | 00 | | | | | 01 |
| **RSE** | 485.0 | PZ | Nadym | | | | | | 00 | | | | | | | | | | | | | | | | | |
| **RSE** | 700.0 | BI | Dudinka | | | | | | | | | | | | | | | 14 | | | | | | | | |
| **RSE** | 715.0 | KD | Novotyryshkino | | | | | | | | | | | | | | | 15 | | | | | | | | |
| **RSE** | 965.0 | SZ | Barabinsk | | | | | | | | | | | | | | | 16 | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **RUS** | 445.0 | KM | Kem | | | | | | 01 | 18 | | | | | | | | 16 | 20 | 01 | | | | | | |
| **RUS** | 445.0 | RD | Bazarnye Mataky | | | | | | 01 | | | | | | | | | 16 | | | | | | 15 | | |
| **RUS** | 449.0 | KU | Tver | | | | | | 05 | | | | | | | | | | | | | | | 14 | | |
| **RUS** | 449.0 | MW | Tver / Migalovo | | | | | | 04 | | | | | | | | | | | | | | | | | |
| **RUS** | 450.0 | BN | Bovanenkovo | | | | | | 18 | | | | | | | | | | | | | | | | | |
| **RUS** | 450.0 | NZ | Nizhnevartovsk | | | | | | 22 | | | | | | | | | | | | | | | | | |
| **RUS** | 452.0 | LB | Balandino | | | | | | 23 | | | | | | | | | | | | | | | 20 | | |
| **RUS** | 454.0 | AD | Astrakhan / Privolzhskiy | | | | | | 02 | | | | | | | | | | | | | | | | | |
| **RUS** | 454.0 | YM | Astrakhan / Privolzhskiy | | | | | | 02 | | | | | | | | | | | | | | | | | |
| **RUS** | 455.0 | BK | Lipetsk-2 | | 16 | | | | 16 | | | | | | | | | 16 | | | | | | | | |
| **RUS** | 455.0 | KZ | Kizliar | | | | | | 01 | | | | | | | | | | | 23 | | | | | | |
| **RUS** | 463.0 | BZ | Severomorsk 3 | | | | | | 05 | | | | | | | | | | | | | | | | | |
| **RUS** | 463.0 | YAN | Severomorsk 3 | | | | | | | | | | | | | | | | | | | | | 15 | | |
| **RUS** | 468.0 | MD | Myneralnye Vody | | | | | | 01 | | | | | | | | | | | | | | | | | |
| **RUS** | 470.0 | TN | Taganrog Centr. | | 16 | 20 | | | 00 | | | | | | | | | 18 | | | | | | | | |
| **RUS** | 475.0 | AM | Kazan | | | | | | | | | | | | | | | 16 | | | | | | 16 | | |
| **RUS** | 475.0 | PT | Petrovskoye | | 18 | 20 | | | 05 | 01 | | | 00 | 00 | | | | 16 | 18 | 20 | | | | | | |
| **RUS** | 478.0 | MF | Larionovo | | 16 | 20 | | 16 | 16 | 18 | | 23 | 20 | 21 | | | 23 | 16 | 20 | 19 | | | | | | 01 |
| **RUS** | 480.0 | AN | Anapa / Vityazevo | | 16 | | | 17 | 03 | | | | | | | | | 03 | | | | | | | | |
| **RUS** | 480.0 | AP | Anapa / Vityazevo | | | | | | 03 | | | | | | | | | | | | | | | | | |
| **RUS** | 480.0 | C | Cheboksary | | | | | | | | | | | | | | | 18 | | | | | | | | |
| **RUS** | 482.0 | NN | Kozhevnikovo | | | | | | | | | | | | | | | 18 | | | | | | | | |
| **RUS** | 485.0 | CW | Krasnaya Gorbatka | | 16 | | | | 05 | 01 | | 00 | 00 | | | | | 16 | | | | | | | | 01 |
| **RUS** | 485.0 | HU | Engels-2 | | | | | | | | | | | | | | | 16 | | | | | | 15 | | |
| **RUS** | 486.0 | KL | Krasnyy Sulin | | 03 | 02 | | | 04 | | | | | | | | | 05 | | | | | | | | 01 |
| **RUS** | 486.0 | T | Kostroma | | | | | | 05 | | | | | | | | | | | | | | | | | |
| **RUS** | 493.0 | RW | Maryino | | 19 | | | | 16 | 00 | | 00 | 20 | 00 | | 21 | | 16 | 21 | 20 | | | | | | 01 |
| **RUS** | 507.0 | ND | Bolshevik | | 16 | | 20 | | 18 | | | | | | | | | | | | | | | | | |
| **RUS** | 510.0 | CR | Cheboksary | | | 21 | | | | | | | | | | | | 16 | 18 | | | | | | | |
| **RUS** | 510.0 | LJ | Gromovo | | | | | | | | | | | 06 | | | | | | | | | | | | |
| **RUS** | 514.0 | OF | Moscow / Chkalovskij | | | | | | 02 | | | | | | | | | 16 | 18 | | | | | 14 | | |
| **RUS** | 515.0 | NV | Rostov Na Donu | | 17 | | | | | | | | | | | | | | | | | | | | | |
| **RUS** | 515.0 | XS | Rostov Na Donu | | 20 | 20 | | | 02 | | | | | | | | | 19 | | | | | | | | |
| **RUS** | 520.0 | OO | Shaykovka | | | 02 | | | | | | | | | | | | | | | | | | | | |
| **RUS** | 522.0 | DW | Vorkuta | | | | | | | | | | | | | | | 18 | | | | | | | | |
| **RUS** | 522.0 | KZ | Vorkuta | | | | | | 02 | | | | | | | | | 19 | | | | | | | | |
| **RUS** | 525.0 | PL | Pulkovo / St.Petersburg | | 03 | | 23 | | 03 | | | | | | | | | | | | | | | | | |
| **RUS** | 527.0 | TE | Terbuny | | 15 | | | | 03 | 01 | | | | | | | | 18 | 21 | | | | | | | |
| **RUS** | 528.0 | UH | Tikhoretsk | | | | | | 18 | | | | | | | | | | | | | | | | | |
| **RUS** | 545.0 | FG | Velikiy Ustyug | | | | | | | | | | | | | | | | | | | | | 14 | | |
| **RUS** | 555.0 | MZ | Mezen | | | | | | | | | | | | | | | 15 | | | | | | | | |
| **RUS** | 565.0 | KS | Opalikha | | | | | | 02 | | | | | | | | | 19 | | | | | | | | |
| **RUS** | 568.0 | CSH | Monchegorsk | | | | | | | | | | | | | | | 05 | | | | | | | | |
| **RUS** | 572.0 | O | St Petersburg / Pulkovo | | | | | | 20 | | | | | | | | | 18 | | | | | | | | |
| **RUS** | 581.0 | DM | Moscow - Ramenskoe | | | | | | 05 | | | | | | | | | 17 | | | | | | 14 | | |
| **RUS** | 591.0 | RN | Penza | | 16 | 21 | 23 | | 16 | | | | | | | | | 18 | | | | | | | | |
| **RUS** | 595.0 | I | Kirovsk / Apatity | | | | | | | | | | | | | | | 17 | | | | | | | | |
| **RUS** | 595.0 | W | Chertovitskoye / Vorenezh | | 19 | | | | | | | | | | | | | | | | | | | | | |
| **RUS** | 614.0 | KV | Kirzhach | | | | | | 05 | | | | | | | | | | | | | | | | | |
| **RUS** | 625.0 | AW | Yoshkar-Ola / Danilovo | | | | | | | | | | | | | | | | | | | | | 14 | | |
| **RUS** | 625.0 | PS | Ostafievo | | | | | | | | | | | | | | | | | | | | | 17 | | |
| **RUS** | 628.0 | B | Ukhta | | | | | | | | | | | | | | | 17 | | | | | | | | |
| **RUS** | 628.0 | D | Ukhta | | | | | | | | | | | | | | | 14 | | | | | | | | |
| **RUS** | 635.0 | LV | Izhevsk | | | | | | | | | | | | | | | | | | | | | 17 | | |
| **RUS** | 635.0 | RD | Murmansk / Murmashi South | | | | | | | | | | | | | | | 05 | 17 | | | | | | | |
| **RUS** | 642.0 | KN | Moscow / Kostino | | 23 | | | | | | | | | | | | | 17 | | | | | | | | 02 |
| **RUS** | 643.0 | RZ | Sharanga | | | | | | | | | | | | | | | 18 | | | | | | | | |
| **RUS** | 645.0 | X | Petrozavodsk / Besovets | | | | | | | | | | | | | | | 12 | | | | | | | | |
| **RUS** | 659.0 | DO | Moscow / Domodedovo | | 16 | | | | | | | | | | | | | 18 | 17 | | | | | | | 02 |
| **RUS** | 662.0 | SM | Smolenskaya | | 19 | | | 18 | | | | | | | | | | | | | | | | | | |
| **RUS** | 670.0 | PB | Vologda-Kipelovo | | 19 | | | | | | | | | | | | | 19 | | | | | | | | |
| **RUS** | 678.0 | P | Pechora | | | | | | | | | | | | | | | 16 | | | | | | | | |
| **RUS** | 680.0 | BP | Chelobityevo | | 16 | | | | | | | | | 00 | | | | 17 | 16 | | | | | | | |
| **RUS** | 680.0 | RK | Naryan Mar | | | | | | | | | | | | | | | 16 | | | | | | 17 | | |

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| **RUS** | 682.0 | RD | Rostov-na-Donu / Platov | | 16 | | | | | | | | | | | | | | | | | | | | 02 |
| **RUS** | 690.0 | AZ | Arkhangelsk / Talagi | | | | | | | | | | | | | | | 12 | | | | | | | |
| **RUS** | 690.0 | KM | Akhangelsk / Talagi | | | | | | | | | | | | | | | 18 | 16 | | | | | | |
| **RUS** | 692.0 | V | Khotilovo / Novyj | | | | | | | | | | | | | | | | | | | | | 17 | |
| **RUS** | 696.0 | BT | Alatyr | | | | | | | | | | | | | | | 19 | | | | | | | |
| **RUS** | 700.0 | AD | Moscow / Sheremetievo | | 15 | | | | | | | | | | | 20 | | 19 | 17 | | | | | | |
| **RUS** | 700.0 | K | St Petersburg / Pulkovo | | | | | | | | | | | | | | | 19 | | | | | | | |
| **RUS** | 700.0 | MR | Moscow / Sheremetievo | | | | | | | | | | | | | | | | | | | | | | 03 |
| **RUS** | 705.0 | MN | Manychsky | | 20 | | | | | | | | | | | | | | | | | | | | |
| **RUS** | 705.0 | PX | Perm / Bolshoye Savino | | | | | | | | | | | | | | | 18 | | | | | | | |
| **RUS** | 705.0 | S | Syktyvkar | | | | | | | | | | | | | | | 16 | 16 | | | | | | |
| **RUS** | 708.0 | UN | Kurgan | | 19 | | | | 16 | | | | | | | 21 | | 13 | | | | | | | |
| **RUS** | 713.0 | DO | Kazan | | | | | | | | | | | | | | | 13 | | | | | | | |
| **RUS** | 713.0 | CHC | Kazan /Borisoglebskoye | | | | | | | | | | | | | | | | | | | | | 14 | |
| **RUS** | 718.0 | AN | Belgorod | | 20 | 21 | | | | | | | | | | | | 20 | | | | | | | |
| **RUS** | 718.0 | BX | Belgorod | | 15 | | | 17 | 16 | | | | | | | | | 20 | | | | | | | |
| **RUS** | 718.0 | NF | Nalchik | | | | | | | | | | | 01 | | | | | | | | | | | |
| **RUS** | 730.0 | KT | Stavropol / Shopakovskoye | | | | | 17 | | | | | | | | | | | | | | | | | 03 |
| **RUS** | 730.0 | OP | Stavropol / Shopakovskoye | | 20 | | | | | | | | | 01 | | | | | | | | | | | |
| **RUS** | 730.0 | WS | Arkhangels / Vaskovo | | | | | | | | | | | | | | | 12 | | | | | | | |
| **RUS** | 732.0 | AO | Aksinyino | | 15 | | 23 | | 16 | | | | | 01 | | | | 19 | 16 | | | | | | |
| **RUS** | 735.0 | N | Vyazma | | | | | | | | | | | | | | | | | | | | | | 03 |
| **RUS** | 742.0 | GE | Kursk | | 15 | | | | 16 | | | | | | | | | | | | | | | | |
| **RUS** | 742.0 | WA | Kursk | | 17 | | 23 | 19 | | | | | | | | | | | | | | | | | |
| **RUS** | 745.0 | BG | Karmanovo | | 15 | 02 | 19 | 17 | 16 | 19 | | | 22 | 00 | | 21 | | 16 | 16 | 20 | | | | | 03 |
| **RUS** | 749.0 | K | Nizhnekamsk / Begishevo | | | | | | 16 | | | | | | | | | 15 | | | | | | 14 | |
| **RUS** | 749.0 | U | Yekaterinburg | | | | | | | | | | | | | | | 16 | | | | | | | |
| **RUS** | 750.0 | NR | Novolokti | | | | | | | | | | | | | | | 19 | | | | | | 17 | |
| **RUS** | 752.0 | BB | Beryozovo | | 21 | | | | 16 | | | | | 01 | | | | 19 | | | | | | 17 | |
| **RUS** | 770.0 | N | Sheremetyevo | | | | | | | | | | | | | | | 19 | | | | | | | |
| **RUS** | 777.0 | ST | Sirotinskaya | | 23 | | | | | | | | | | | | | | | | | | | | |
| **RUS** | 780.0 | N | Anapa / Vityazevo | | 16 | | | | 16 | | | | | | | | | | | | | | | | |
| **RUS** | 785.0 | IU | Beloyarsk | | | | | | | | | | | | | | | 14 | | | | | | | |
| **RUS** | 785.0 | M | Levashovo | | | | | | 16 | | | | | | | | | 19 | | | | | | | |
| **RUS** | 791.0 | SU | Belozersk / Ozyorsk | | | 02 | | | | | | | | | | | | | | | | | | | |
| **RUS** | 797.0 | UK | Buturlinovka | | 22 | | | | 16 | | | | | | | | | | | | | | | | |
| **RUS** | 815.0 | DD | Lipetsk | | 15 | | | | | | | | | | | | | | | | | | | | |
| **RUS** | 816.0 | EB | Matveyevskiy | | | | | | | | | | | | | | | 19 | | | | | | | |
| **RUS** | 825.0 | F | Cherepovets | | | | | | | | | | | | | | | 16 | | | | | | | |
| **RUS** | 830.0 | W | Ulyanovsk / Vostochny | | | | | | | | | | | | | | | 19 | | | | | | 14 | |
| **RUS** | 835.0 | D | Varandej | | | | | | | | | | | | | | | 12 | | | | | | | |
| **RUS** | 852.0 | OB | Moscow / Vnukovo | | | | | | 15 | | | | | 17 | | | | 19 | | | | | | | |
| **RUS** | 876.0 | WG | Volgograd / Gumrak | | | | | | 23 | | | | | | | | | | | | | | | | |
| **RUS** | 900.0 | NE | Nerl | | 15 | | | | 23 | | | | | 17 | | | | 16 | 16 | | | | | | |
| **RUS** | 914.0 | SX | Moscow / Vnukovo | | | | | | 15 | | | | | | | | | 20 | | | | | | | |
| **RUS** | 915.0 | N | Nizhnevartovsk | | | | | | | | | | | | | | | 19 | | | | | | | |
| **RUS** | 921.0 | RO | Aginskoye | | | | | | 21 | | | | | | | | | 19 | | | | | | | |
| **RUS** | 925.0 | B | Lipetsk-2 | | | | | | 15 | | | | | | | | | | | | | | | | |
| **RUS** | 932.0 | KR | Krasnoarmeysk | | | | | | 15 | | | | | 17 | | 22 | | 19 | | | | | | | |
| **RUS** | 940.0 | YA | Severomorsk-3 | | | | | | | | | | | | | | | 16 | | | | | | | |
| **RUS** | 950.0 | TK | Omsk / Tsentralniy | | | | | | | | | | | | | | | 14 | | | | | | 17 | |
| **RUS** | 960.0 | RP | Sosnovkoye | | | | | | 23 | | | | | | | | | 16 | 16 | | | | | | |
| **RUS** | 963.0 | NS | Orenburg-2 | | | | | | 15 | | | | | | | | | | | | | | | | |
| **RUS** | 970.0 | US | Yelshanka | | | | | | | | | | | | | | | 20 | | | | | | | |
| **RUS** | 975.0 | GD | Maloye-Skuratovo | | 16 | 02 | | 17 | 15 | | | | | 23 | | | | | 15 | | | | | | |
| **RUS** | 985.0 | FK | Gagarin | | | 03 | 21 | | | | | | | | | | | | | | | | | | |
| **RUS** | 985.0 | TR | Kostroma | | | | | | | | | | | | | | | 13 | | | | | | 13 | |
| **RUS** | 995.0 | DW | Nikolskoye | | | | | | 15 | | | | | 17 | | | | 17 | | | | | | | |
| **RUS** | 1000.0 | KZ | Severnoye | | | | | | | | | | | | | | | 14 | | | | | | | |
| **RUS** | 1005.0 | LO | Klimovsk | | 15 | | | | 15 | 17 | | | | 23 | | | | 15 | 15 | | | | | | 03 |
| **RUS** | 1020.0 | DK | Glotayevo | | 15 | 22 | 23 | 17 | 15 | 22 | | | 18 | 17 | | 21 | | 16 | 15 | | | | | | |
| **RUS** | 1020.0 | KA | Olzony | | | | | | | | | | | | | | | 16 | | | | | | | |
| **RUS** | 1025.0 | US | Muravlyanka | | | | | | 15 | | | | | | | | | | | | | | | | |
| **RUS** | 1030.0 | S | Nizhny Novgorod / Strigino | | | | | | | | | | | | | | | 19 | | | | | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **RUS** | 1046.0 | TZ | Vologda | | | | | | 16 | | | | | | | | | | | | | | | | | |
| **RUS** | 1055.0 | IN | Sukhotino | | 15 | | | 20 | 15 | | | | | | | | | 12 | | | | | | | | 03 |
| **RUS** | 1080.0 | AR | Buzharovo | | 15 | 22 | 20 | 17 | 15 | 19 | | | | 23 | | | | 15 | 14 | | | | | | | 03 |
| **RUS** | 1100.0 | KA | Konstaninovsk | | 21 | | | | | | | | | | | | | | | | | | | | | |
| **RUS** | 1210.0 | IO | Kirovsk / Apatity | | | | | | | | | | | | | | | 18 | | | | | | | | |
| **RUS** | 1210.0 | PR | Peredovaya | | | | | | | | | | | | | | | | | | | | | | | 04 |
| **RUS** | 1215.0 | P | Ufa | | | | | | | | | | | | | | | 14 | | | | | | | | |
| **RUS** | 1285.0 | SW | Savelovo | | 14 | 22 | 23 | 17 | 15 | 18 | | 17 | | 16 | | 21 | 00 | 17 | 14 | 20 | | | | | | |
| **RUS** | 1290.0 | R | Murmansk | | | | | | 18 | | | | | | | | | 17 | | | | | | | | |
| **RUS** | 1290.0 | TU | Bely | 17 | 12 | 22 | 19 | 17 | 15 | 18 | | 00 | 18 | 16 | | 22 | 00 | 17 | 14 | 20 | | | | | | 04 |
| **SRB** | 468.0 | VTN | Kraljevo / Vitanovac | 21 | 14 | 20 | 21 | 19 | 16 | | | 21 | 20 | 18 | 21 | 22 | | 18 | | 18 | 00 | | | | | |
| **SRB** | 470.0 | UZ | Uzice / Ponikve | 21 | 17 | 20 | 21 | 19 | 01 | | | | 20 | | | | | 19 | | 18 | 00 | | | | | |
| **SRB** | 485.0 | IA | Indija | 22 | 14 | 20 | 21 | 16 | 16 | 18 | | 21 | 16 | 16 | 19 | 20 | 23 | 18 | 20 | 18 | 21 | | | | | 01 |
| **SRB** | 495.0 | PA | Pancevo | 21 | 16 | 21 | 22 | 19 | 16 | 20 | | 00 | 16 | 02 | 20 | 20 | 00 | 18 | | | 00 | | | | | 01 |
| **SVK** | 508.0 | Z | Zilina / Hlinik | 21 | 12 | 21 | 22 | 16 | 16 | 18 | | 21 | 16 | 00 | 21 | 21 | 00 | 16 | 21 | 20 | 21 | | | | | 01 |
| **SVK** | 571.0 | P | Presov / Kapusany | | 17 | 21 | 22 | 17 | 16 | | | | 19 | 01 | | | | 19 | | | | | | | | |
| **SVN** | 463.0 | CL | Cerklje | 20 | 14 | 20 | 21 | 20 | 16 | 19 | | 21 | 21 | 21 | 23 | 20 | 23 | 23 | | 18 | 23 | | | | | 22 |
| **SWE** | 479.0 | SA6RR | Kullaberg | | 19 | 01 | | | | | 02 | 23 | | 18 | 23 | | | 20 | | | | 03 | 01 | | | |
| **TKM** | 662.0 | R | Dashoguz | | | | | | | | | | | | | | | 19 | | | | | | | | |
| **TUR** | 440.0 | MNI | Amasya / Merzifon | | 22 | | | | 02 | | | | | | | | | | | | | | | | | |
| **TUR** | 465.0 | SIN | Sinop | | 20 | 19 | | | 22 | | | | | | | | | | | | | | | | | |
| **TUR** | 480.0 | CLD | Aydin / Cildir | | 02 | | | | | | | | | | | | | | | | | | | | | |
| **UKR** | 445.0 | ZU | Starokonstantinov | | | | | | 05 | | | | | | | | | | | | | | | | | |
| **UKR** | 462.0 | VI | Zhitomir | | | | | | 05 | | | | 05 | | | | | | | 05 | | | | | | |
| **UKR** | 470.0 | CD | Mirgorod | | 14 | | | | | | | | | | | | | | | | | | | | | |
| **UKR** | 485.0 | KH | Kakhnovka | | 16 | | | | 16 | | | | | | | | | 16 | | | | | | | | |
| **UKR** | 509.0 | CR | Chernivtsi | | 19 | | | 19 | 18 | 03 | | | 19 | 20 | | 20 | | | | 20 | | | | | | |
| **UKR** | 580.0 | KC | Kacha | | 15 | | | | 05 | | | | | | | | | | | | | | | | | |
| **UKR** | 588.0 | SF | Simferopol | | 15 | | | | | | | | | | | | | | | | | | | | | |
| **UKR** | 588.0 | SN | Simferopol | | 16 | | | | | | | | | | | | | | | | | | | | | |
| **UKR** | 590.0 | GO | Gostomel | | | 01 | | 22 | | | | | | | | | | | | | | | | | | |
| **UKR** | 598.0 | F | Ivano-Frankivsk | | 15 | | 20 | 15 | 05 | | | | | | | | | 04 | | | | | | | | |
| **UKR** | 600.0 | KR | Tchervonobirka | | 15 | 21 | 20 | 17 | 19 | 19 | | | | | | 21 | | 13 | | | | | | | | |
| **UKR** | 640.0 | I | Kiev / Boryspil | | 23 | | | | | | | | | | | | | | | | | | | | | |
| **UKR** | 645.0 | UO | Uzghorod | | | | 01 | | | 05 | | | | | | | | | | | | | | | | |
| **UKR** | 672.0 | RS | Rashivka | | 15 | 21 | 20 | 17 | | 19 | | | | 01 | | | | 19 | 17 | | | | | | | 02 |
| **UKR** | 678.0 | RD | Rivne | | 17 | | | 17 | | 05 | | | | | | | | 17 | 17 | | | | | | | |
| **UKR** | 687.0 | P | Dnipropetrovsk | | 19 | | | | | | | | | | | | | | | | | | | | | |
| **UKR** | 687.0 | R | Dnipropetrovsk | | | | | | | | | | | | | | | | | | | | | | | 02 |
| **UKR** | 690.0 | DM | Dmytrivka | | | | | | | | | | | | | | | | | | | | | | | 03 |
| **UKR** | 690.0 | SR | Seredne | | | | 19 | 17 | 16 | | | | | | | | | | | | | | | | | |
| **UKR** | 733.0 | ZK | Kyiv / Zhuliany | | 15 | 21 | 20 | 17 | 16 | 05 | | | | | | | | 19 | 16 | | | | | | | 03 |
| **UKR** | 735.0 | KW | Koviagi | | | | 20 | 19 | | | | | | | | | | | | | | | | | | |
| **UKR** | 778.0 | GR | Krasnograd | | | | 19 | 17 | | | | | | | | | | | | | | | | | | |
| **UKR** | 825.0 | KB | Kiev / Boryspil | | 14 | 21 | 19 | 20 | 16 | 19 | | | | 00 | | | | 16 | 16 | | | | | | | |
| **UKR** | 960.0 | CY | Chervonyi | | | 22 | 19 | 17 | 15 | 05 | | | | 17 | | | | 16 | 17 | | | | | | | |
| **UKR** | 1065.0 | HE | Kherson / Chernobayevka | | | | | | 19 | | | | | | | | | | | | | | | | | |
| **UKR** | 1290.0 | BO | Bohdanivka | | 15 | 03 | 19 | 17 | 15 | 18 | | | | | | | | 15 | | | | | | | | 04 |
| **UZB** | 795.0 | UH | Bukhara | | | | | | | | | | | | | | | 20 | | | | | | | | |
| **UZB** | 983.0 | NU | Urgench | | | | | | | | | | | | | | | 17 | | | | | | | 13 | |
| **XOE** | 534.0 | FED | Floatel Endurance / ZCEK4 | | 21 | | | | 15 | 00 | | 13 | 13 | 15 | 12 | 13 | | | | 11 | | 00 | 23 | | | |
| **XOE** | 588.5 | WPH | West Phoenix | | | | | | 16 | | | | | | | | | | | | | | | | | |
| **XOE** | 615.0 | STB | Statfjord B Platform | | 17 | | 21 | 22 | 05 | 21 | | 00 | 19 | 01 | | 22 | | 16 | | | | 00 | | | | |
| **XUE** | 460.0 | AS | UNID | 22 | 21 | 02 | 22 | | 01 | | | | | | 21 | 22 | | | | 20 | 23 | 23 | | | | |
| **XUE** | 462.0 | KL | UNID | | | | | | 01 | | | | | 20 | | | | | | 20 | | | | | | |
| **XUE** | 570.0 | DO | UNID | | 15 | 21 | 22 | 18 | 17 | | | | | | | | | | | | | | | | | |
| **XUF** | 470.0 | BK | UNID | | 18 | 20 | | | 23 | | | 21 | 20 | | 21 | | | | | 19 | | 23 | | | | |
| **XUF** | 500.0 | LGT | UNID | | 22 | | | | 23 | | | | | | | | | | | | | | | | | |
| **XUS** | 1654.0 | SANTO | UNID | | | | | | 02 | | | | | | | | | | | | | | | | | |
| **XUU** | 260.0 | A | UNID | | | 01 | | | 01 | | | | | | | | | | | | | | | | | |
| **XUU** | 440.0 | FEL | UNID | | 21 | 20 | | | | | | | | | | | | | | | | | | | | |
| **XUU** | 483.0 | I | UNID | | | | | | 05 | | | | | | | | | | | | | | | | | |
| **XUU** | 610.0 | D | UNID | | 17 | 02 | | 19 | 23 | | | | | | | | | | | | | | | | | |
| | | | | **CZE** | **CZE** | **CZE** | **CZE** | **DEU** | **DEU** | **DEU** | **ENG** | **ENG** | **ENG** | **ENG** | **ENG** | **ENG** | **ENG** | **FIN** | **FIN** | **HOL** | **ITA** | **SCT** | **SCT** | **SWE** | **UKR** |

| Cou, S/P | QRG | ID | Name | lk | ms | my | ze | bd | hw | je | ag | bk | hh | me | pt | px | yk | jt | ro | rb | wb | ds | wk | ll | d6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

## COUNTRIES HEARD:

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

| Cou | Cou-Name | CZE lk | CZE ms | CZE my | CZE ze | DEU bd | DEU hw | DEU je | ENG ag | ENG bk | ENG hh | ENG me | ENG pt | ENG px | ENG yk | FIN jt | FIN ro | HOL rb | ITA wb | SCT ds | SCT wk | SWE ll | UKR d6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALG | Algeria | | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | | | | | 1 | 1 | | | |
| AZE | Azerbaijan | | 1 | | | | 1 | | | | | | | | | | | 2 | | | | | |
| BIH | Bosnia-Hercegovina | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 | | | | 1 |
| BLR | Belarus | | 2 | | 2 | | 12 | 10 | | | 3 | | | | | 5 | 2 | 11 | | | | | 2 |
| BRA | Brazil | | | | | | 1 | | | | | | | | | | | | | | | 1 | |
| BUL | Bulgaria | 2 | 3 | 3 | 2 | 2 | 3 | 2 | | 1 | 2 | 1 | 1 | | 1 | 2 | 1 | 2 | 2 | | | | 2 |
| CAN | Canada, NB | | | | | | | | | | | 1 | | | | | | 1 | | | | | |
| CAN | Canada, NS | | | | | | 1 | 1 | | 1 | 1 | | 1 | 1 | 1 | | | 1 | | 1 | | | |
| CAN | Canada, NU | | | | | | | | | | | | | | | 1 | | 1 | | | | 1 | |
| CAN | Canada, ON | | | | | | | | | | | | | | | | | 1 | | | | | |
| CHN | China | | | | | | | | | | | | | | | 1 | | | | | | | |
| CZE | Czechia | 3 | 7 | 6 | 7 | 7 | 6 | 6 | 3 | 3 | 5 | 5 | 2 | 5 | 4 | 4 | 4 | 4 | 3 | 3 | 1 | | 2 |
| DEU | Germany | 4 | 5 | 5 | 7 | 5 | 6 | 6 | 3 | 5 | 6 | 5 | 6 | 5 | 5 | 5 | 3 | 5 | 4 | 3 | 3 | | |
| ENG | England | | | | | | | | | 1 | 1 | | | 1 | | | | | | | | | |
| EST | Estonia | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | | 1 |
| GEO | Georgia | | 1 | 1 | | | 2 | | | 1 | 1 | 1 | | 1 | | 1 | 1 | 1 | | | | | 1 |
| HNG | Hungary | | | 1 | | 1 | | 1 | | | 1 | | | | | | | | | | | | |
| HRV | Croatia | 1 | 1 | 1 | 1 | | 1 | 1 | | 1 | 1 | | 1 | 1 | 1 | | | 1 | 1 | | | | |
| IRN | Iran | | | | | | 1 | | | | | | | | | | | | | | | 1 | |
| ITA | Italy | | 1 | 1 | 1 | | | | 1 | 1 | | 1 | | | | 1 | | | 1 | | | | |
| KAL | Kalinigrad | 1 | 1 | 1 | 1 | 1 | 3 | 1 | | 1 | 1 | 2 | | 1 | | 1 | 1 | 3 | | | | | |
| KAZ | Kazakhstan | | 1 | | | | 1 | | | | 1 | | | | | | | 1 | | | | | |
| LBY | Libya | | 1 | | | | 1 | | | | | | | | | | | | | | | | |
| MNG | Mongolia | | | | | | | | | | | | | | | 2 | | | | | | | |
| POL | Poland | 5 | 7 | 6 | 6 | 6 | 9 | 7 | 5 | 6 | 8 | 7 | 5 | 5 | 3 | 6 | 4 | 3 | 3 | 4 | 4 | 1 | 3 |
| ROU | Romania | 2 | 4 | 4 | 4 | 3 | 4 | 2 | 1 | 2 | 3 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 2 | | | | 2 |
| RSE | Russia (Eastern) | | | | | | 1 | | | | | | | | | 3 | | | | | | | |
| RUS | China | | 1 | | | | | | | | | | | | | | | | | | | | |
| RUS | Russia (European) | 1 | 44 | 17 | 11 | 13 | 64 | 12 | | 5 | 7 | 20 | | 8 | 3 | 87 | 23 | 8 | | | | 21 | 16 |
| RUS | UNID (No idea where) | | | 1 | | | 1 | | | | | | | | | | | | | | | | |
| SRB | Serbia (Yugoslavia) | 4 | 4 | 4 | 4 | 4 | 4 | 2 | | 3 | 4 | 3 | 3 | 3 | 2 | 4 | 1 | 3 | 4 | | | | 2 |
| SVK | Slovakia | 1 | 2 | 2 | 2 | 2 | 2 | 1 | | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | | | | 1 |
| SVN | Slovenia | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | | | | 1 |
| SWE | Sweden | | 1 | 1 | | | | | 1 | 1 | | 1 | 1 | | | 1 | | | | 1 | 1 | | |
| TKM | Turkmenistan | | | | | | | | | | | | | | | 1 | | | | | | | |
| TUR | Turkey | | 3 | 1 | | | 2 | | | | | | | | | | | | | | | | |
| UKR | Ukraine | | 15 | 7 | 11 | 13 | 13 | 9 | | | 2 | 4 | | 2 | | 9 | 5 | 2 | | | | | 5 |
| UZB | Uzbekistan | | | | | | | | | | | | | | | 2 | | | | | | 1 | |
| XOE | Int Waters: Europe | | 2 | | 1 | 1 | 3 | 2 | | 2 | 2 | 2 | 1 | 2 | | 1 | | 1 | | 2 | 1 | | |
| XUE | UNID (Europe?) | 1 | 2 | 2 | 2 | 1 | 3 | | | | | 1 | 1 | 1 | | | | 2 | 1 | 1 | | | |
| XUF | UNID (Africa?) | | 2 | 1 | | | 2 | | | 1 | 1 | | 1 | | | | | 1 | | 1 | | | |
| XUS | UNID (S.America?) | | | | | | 1 | | | | | | | | | | | | | | | | |
| XUU | UNID (No idea where) | | 2 | 2 | | 1 | 2 | | | | | | | | | | | | | | | | |
| Cou | Cou-Name | CZE lk | CZE ms | CZE my | CZE ze | DEU bd | DEU hw | DEU je | ENG ag | ENG bk | ENG hh | ENG me | ENG pt | ENG px | ENG yk | FIN jt | FIN ro | HOL rb | ITA wb | SCT ds | SCT wk | SWE ll | UKR d6 |

## LISTENING TIMES:

This table shows the number of NDBs logged by each reporter during the time periods.

| UTC (hh) | CZE lk | CZE ms | CZE my | CZE ze | DEU bd | DEU hw | DEU je | ENG ag | ENG bk | ENG hh | ENG me | ENG pt | ENG px | ENG yk | FIN jt | FIN ro | HOL rb | ITA wb | SCT ds | SCT wk | SWE ll | UKR d6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 - 00:59 | | | | | | 2 | 6 | | 8 | 6 | 8 | | | 10 | | | | 6 | 9 | 3 | | |
| 01:00 - 01:59 | | | 13 | 1 | | 8 | 4 | 2 | | | 9 | | | | 1 | | 1 | 1 | 3 | 1 | | 15 |
| 02:00 - 02:59 | | 1 | 9 | | | 9 | | 10 | | | 3 | | | | | | 1 | | | 4 | | 5 |

| UTC (hh) | CZE lk | CZE ms | CZE my | CZE ze | DEU bd | DEU hw | DEU je | ENG ag | ENG bk | ENG hh | ENG me | ENG pt | ENG px | ENG yk | FIN jt | FIN ro | HOL rb | ITA wb | SCT ds | SCT wk | SWE ll | UKR d6 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 03:00 - 03:59 | | 3 | 2 | | | 5 | 3 | 4 | | | 1 | | | | 1 | | 2 | | 1 | 2 | | 10 |
| 04:00 - 04:59 | | | | | | 2 | | | | | | | | | 1 | | 4 | | | | 1 | 3 |
| 05:00 - 05:59 | | | | 1 | | 27 | 14 | | | 3 | 1 | | | | 8 | | 8 | | | | 1 | 1 |
| 06:00 - 06:59 | | | | | 1 | 2 | | | 2 | 2 | 3 | | | | | | 2 | | | | | |
| 07:00 - 07:59 | | | | | | | | | | | | | | | | | 1 | | | | | |
| 08:00 - 08:59 | | | | | | | | | | | | | | | | | | | | | | |
| 09:00 - 09:59 | | | | | 1 | | | | | | | | | | | | | | | | | |
| 10:00 - 10:59 | | | | | | | | | | | | | | | | | | | | | | |
| 11:00 - 11:59 | | | | | | | | | | | | | | | | | 1 | | | | | |
| 12:00 - 12:59 | | 14 | | | | | | | | | | 1 | | | 5 | | | 1 | | | | |
| 13:00 - 13:59 | | 1 | | | | | | | 2 | 1 | | | 2 | | 4 | | | 1 | | | 2 | |
| 14:00 - 14:59 | | 8 | | | | | | | | | | | | | 7 | 3 | | | | | 8 | |
| 15:00 - 15:59 | 1 | 24 | | | 1 | 20 | | | | | 2 | | | | 6 | 3 | | | | | 3 | |
| 16:00 - 16:59 | | 20 | | | 15 | 46 | | | 6 | 13 | 8 | | | | 39 | 10 | | | | | 1 | |
| 17:00 - 17:59 | 2 | 13 | | 1 | 26 | 1 | 1 | | 1 | | 11 | | | | 14 | 8 | 1 | | | | 7 | |
| 18:00 - 18:59 | | 3 | | | 2 | 5 | 8 | | | 2 | 2 | 2 | | | 23 | 3 | 14 | | | | | |
| 19:00 - 19:59 | 1 | 13 | 1 | 8 | 8 | 2 | 20 | | | 10 | | 3 | | | 27 | 2 | 3 | | | | | |
| 20:00 - 20:59 | 1 | 5 | 18 | 12 | 7 | 4 | 3 | | | 15 | 4 | 5 | 18 | | 6 | 8 | 18 | 2 | | | 3 | |
| 21:00 - 21:59 | 15 | 5 | 23 | 16 | | 2 | 4 | | 13 | 1 | 4 | 9 | 10 | | | 13 | 4 | 7 | | | | |
| 22:00 - 22:59 | 8 | 3 | 5 | 19 | 2 | 6 | 3 | | | 3 | 2 | 8 | 13 | 2 | | | | 2 | | | | 5 |
| 23:00 - 23:59 | | 4 | | 8 | | 13 | 1 | | 8 | | 3 | 2 | | 13 | 2 | | 1 | 5 | 5 | 1 | | |
| NDBs | 28 | 117 | 71 | 66 | 63 | 154 | 67 | 16 | 40 | 56 | 61 | 30 | 43 | 25 | 144 | 50 | 61 | 25 | 18 | 11 | 26 | 39 |

## NDB COUNTS, BY FREQUENCY:

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

| NDBs | QRG | CZE lk | CZE ms | CZE my | CZE ze | DEU bd | DEU hw | DEU je | ENG ag | ENG bk | ENG hh | ENG me | ENG pt | ENG px | ENG yk | FIN jt | FIN ro | HOL rb | ITA wb | SCT ds | SCT wk | SWE ll | UKR d6 | NDBs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 260.0 | | | 1 | | | 2 | | | | | | | | | | | | | | | 1 | | 3 |
| 1 | 262.0 | 1 | 1 | 1 | 1 | | 1 | 1 | | | 1 | | | | | 1 | | 1 | | | | 1 | | 1 |
| 2 | 263.0 | | | | | | 1 | 1 | | 1 | 1 | | 1 | 1 | 1 | 1 | | 2 | | 1 | | 1 | | 2 |
| 1 | 265.0 | 1 | 1 | 1 | 1 | | 1 | 1 | | 1 | 1 | | 1 | 1 | 1 | | | 1 | 1 | | | | | 1 |
| 1 | 267.5 | | 1 | 1 | 1 | | 1 | | | | 1 | | | | | | | 1 | | | | | | 1 |
| 2 | 440.0 | | 2 | 1 | | | 1 | | | | | | | | | | | | | | | | | 2 |
| 1 | 443.0 | | 1 | | | | 1 | | | | 1 | | | | | | | 1 | | | | | | 1 |
| 1 | 444.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 |
| 5 | 445.0 | 1 | 1 | 1 | 1 | 1 | 5 | 2 | | 1 | 1 | 1 | 1 | 1 | | 2 | 1 | 3 | 1 | | | 1 | 1 | 5 |
| 2 | 448.0 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 1 | | | 1 | 2 |
| 2 | 449.0 | | | | | | 2 | | | | | | | | | | | | | | | 1 | | 2 |
| 4 | 450.0 | 1 | 1 | 1 | 1 | 1 | 4 | 1 | | | 1 | | | | | 1 | | 1 | 1 | | | | 1 | 4 |
| 4 | 452.0 | 1 | 1 | 1 | 1 | 1 | 4 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 3 | 1 | 1 | 1 | 1 | | 4 |
| 2 | 454.0 | | | | | | 2 | | | | | | | | | | | | | | | | | 2 |
| 2 | 455.0 | | 1 | | | | 2 | | | | | | | | | 1 | | 1 | | | | | | 2 |
| 2 | 456.0 | | 1 | 1 | | | 1 | 1 | | | | | | | | | | 1 | | | | | | 2 |
| 3 | 458.0 | | | | 1 | | 2 | 1 | | | 1 | 1 | | | | | | 3 | | | | | | 3 |
| 1 | 460.0 | 1 | 1 | 1 | 1 | | 1 | | | | | | 1 | 1 | | | | 1 | 1 | 1 | | | | 1 |
| 2 | 462.0 | | | | | | 2 | | | | 1 | 1 | | | | | | 2 | | | | | | 2 |
| 3 | 463.0 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | | | 1 | 1 | 3 |
| 2 | 465.0 | | 2 | 1 | | | 2 | | | | | | | | | | | | | | | | | 2 |
| 3 | 468.0 | 2 | 2 | 2 | 2 | 2 | 3 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | | | 3 |
| 5 | 470.0 | 1 | 5 | 3 | 1 | 1 | 4 | | | 1 | 2 | | 1 | | | 2 | | 2 | 1 | 1 | | | | 5 |
| 1 | 472.0 | | | | 1 | | | | | | | | | | | | | | | | | | | 1 |
| 1 | 474.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | 1 | 1 |
| 1 | 474.5 | | | | | 1 | | | | 1 | 1 | 1 | | | | | | | | | | | | 1 |
| 3 | 475.0 | | 1 | 1 | | | 1 | 1 | | | 1 | 1 | | | | 3 | 1 | 1 | | | | 1 | | 3 |
| 1 | 476.0 | | 1 | 1 | 1 | | | | 1 | 1 | | 1 | | | | 1 | | | 1 | | | | | 1 |
| 2 | 477.0 | | | | | | 1 | | | | | | | | | 1 | | 2 | | | | | | 2 |
| 1 | 478.0 | | 1 | 1 | | 1 | 1 | 1 | | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | | | | | 1 | 1 |
| 1 | 479.0 | | 1 | 1 | | | | | 1 | 1 | | 1 | 1 | | | 1 | | | | 1 | 1 | | | 1 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
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| **5** | 480.0 | | 2 | | | 1 | 2 | | | | | | | | | 3 | | | | | | | | **5** |
| **1** | 482.0 | | | | | | | | | | | | | | | 1 | | | | | | | | **1** |
| **1** | 483.0 | | | | | | 1 | | | | | | | | | | | | | | | | | **1** |
| **1** | 484.0 | | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | | | | | **1** |
| **7** | 485.0 | 1 | 3 | 1 | 1 | 1 | 6 | 2 | | 2 | 2 | 1 | 1 | 1 | 1 | 4 | 1 | 3 | 1 | | | 1 | 3 | **7** |
| **2** | 486.0 | | 1 | 1 | | | 2 | | | | | | | | | 1 | | | | | | | 1 | **2** |
| **2** | 488.0 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | | 1 | **2** |
| **2** | 489.0 | | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 1 | 2 | 1 | 2 | 1 | | 1 | | | | 1 | 1 | | | **2** |
| **1** | 490.0 | 1 | 1 | 1 | 1 | 1 | 1 | 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 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | **1** |
| **3** | 493.0 | | 1 | | | | 1 | 1 | | 1 | 2 | 1 | | 1 | | 1 | 1 | 2 | | | | | 1 | **3** |
| **2** | 494.0 | | | | | | 2 | 1 | | | 1 | 1 | | | | | | | | | | | | **2** |
| **1** | 495.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | | | | 1 | **1** |
| **1** | 500.0 | | 1 | | | | 1 | | | | | | | | | | | | | | | | | **1** |
| **1** | 507.0 | | 1 | | 1 | | 1 | | | | | | | | | | | | | | | | | **1** |
| **1** | 508.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | **1** |
| **1** | 509.0 | | 1 | | | 1 | 1 | 1 | | | 1 | 1 | | 1 | | | | 1 | | | | | | **1** |
| **4** | 510.0 | | 1 | 2 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 2 | 1 | | 1 | 1 | | | | **4** |
| **1** | 511.0 | | 1 | | | | 1 | 1 | | | 1 | | | | | 1 | 1 | 1 | | | | | | **1** |
| **2** | 514.0 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | | 1 | 1 | 1 | 1 | **2** |
| **1** | 514.5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | **1** |
| **2** | 515.0 | | 2 | 1 | | | 1 | | | | | | | | | 1 | | | | | | | | **2** |
| **1** | 516.0 | | | | | | | | | | | | | | | | | 1 | | | | | | **1** |
| **2** | 517.0 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | **2** |
| **5** | 520.0 | 1 | 3 | 4 | 2 | 2 | 3 | 1 | 1 | 2 | 3 | 3 | 1 | 2 | 1 | 3 | 3 | 2 | | | | | 1 | **5** |
| **1** | 521.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | **1** |
| **2** | 522.0 | | | | | | 1 | | | | | | | | | 2 | | | | | | | | **2** |
| **2** | 524.0 | | | | | | 1 | 1 | | | 2 | | | | | 1 | | 2 | | | | | | **2** |
| **1** | 525.0 | | 1 | | 1 | | 1 | | | | | | | | | | | | | | | | | **1** |
| **1** | 527.0 | | 1 | | | | 1 | 1 | | | | | | | | 1 | 1 | | | | | | | **1** |
| **1** | 528.0 | | | | | | 1 | | | | | | | | | | | | | | | | | **1** |
| **2** | 534.0 | | 2 | | 1 | 1 | 2 | 1 | | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | 1 | 1 | | | **2** |
| **1** | 537.0 | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | **1** |
| **1** | 545.0 | | | | | | | | | | | | | | | | | | | | | 1 | | **1** |
| **1** | 555.0 | | | | | | | | | | | | | | | 1 | | | | | | | | **1** |
| **1** | 563.0 | | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | 1 | | 1 | 1 | | | | | | | | | **1** |
| **1** | 565.0 | | | | | | 1 | | | | | | | | | 1 | | | | | | | | **1** |
| **1** | 568.0 | | | | | | | | | | | | | | | 1 | | | | | | | | **1** |
| **1** | 570.0 | | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | **1** |
| **1** | 571.0 | | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 | | | | 1 | | | | | | | | **1** |
| **1** | 572.0 | | | | | | 1 | | | | | | | | | 1 | | | | | | | | **1** |
| **1** | 580.0 | | 1 | | | | 1 | | | | | | | | | | | | | | | | | **1** |
| **1** | 581.0 | | | | | | 1 | | | | | | | | | 1 | | | | | | 1 | | **1** |
| **2** | 588.0 | | 2 | | | | | | | | | | | | | | | | | | | | | **2** |
| **1** | 588.5 | | | | | | 1 | | | | | | | | | | | | | | | | | **1** |
| **1** | 590.0 | | | 1 | | 1 | | | | | | | | | | | | | | | | | | **1** |
| **1** | 591.0 | | 1 | 1 | 1 | | 1 | | | | | | | | | 1 | | | | | | | | **1** |
| **2** | 595.0 | | 1 | | | | | | | | | | | | | 1 | | | | | | | | **2** |
| **1** | 598.0 | | 1 | | 1 | 1 | 1 | | | | | | | | | 1 | | | | | | | | **1** |
| **1** | 600.0 | | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | 1 | | 1 | | | | | | | | **1** |
| **1** | 610.0 | | 1 | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | **1** |
| **1** | 614.0 | | | | | | 1 | | | | | | | | | | | | | | | | | **1** |
| **1** | 615.0 | | 1 | | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | 1 | | 1 | | | | 1 | | | | **1** |
| **2** | 625.0 | | | | | | | | | | | | | | | | | | | | | 2 | | **2** |
| **2** | 628.0 | | | | | | | | | | | | | | | 2 | | | | | | | | **2** |
| **3** | 635.0 | | 1 | | 1 | | | 1 | | | | | | | | 2 | 2 | | | | | 1 | | **3** |
| **1** | 640.0 | | 1 | | | | | | | | | | | | | | | | | | | | | **1** |
| **1** | 642.0 | | 1 | | | | | | | | | | | | | 1 | | | | | | | 1 | **1** |
| **1** | 643.0 | | | | | | | | | | | | | | | 1 | | | | | | | | **1** |
| **2** | 645.0 | | | | 1 | | | 1 | | | | | | | | 1 | | | | | | | | **2** |
| **1** | 659.0 | | 1 | | | | | | | | | | | | | 1 | 1 | | | | | | 1 | **1** |
| **2** | 662.0 | | 1 | | | 1 | | | | | | | | | | 1 | | | | | | | | **2** |
| **1** | 670.0 | | 1 | | | | | | | | | | | | | 1 | | | | | | | | **1** |
| **1** | 672.0 | | 1 | 1 | 1 | 1 | | 1 | | | | 1 | | | | 1 | 1 | | | | | | 1 | **1** |

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| **2** | 678.0 | | 1 | | | 1 | | 1 | | | | | | | | | 2 | 1 | | | | | | | **2** |
| **2** | 680.0 | | 1 | | | | | | | | | | 1 | | | | 2 | 1 | | | | | 1 | | **2** |
| **1** | 682.0 | | 1 | | | | | | | | | | | | | | | | | | | | | 1 | **1** |
| **2** | 687.0 | | 1 | | | | | | | | | | | | | | | | | | | | | 1 | **2** |
| **4** | 690.0 | | | | 1 | 1 | 1 | | | | | | | | | | 2 | 1 | | | | | | 1 | **4** |
| **1** | 692.0 | | | | | | | | | | | | | | | | | | | | | | 1 | | **1** |
| **1** | 696.0 | | | | | | | | | | | | | | | | 1 | | | | | | | | **1** |
| **4** | 700.0 | | 1 | | | | | | | | | | | | | 1 | 3 | 1 | | | | | | 1 | **4** |
| **3** | 705.0 | | 1 | | | | | | | | | | | | | | 2 | 1 | | | | | | | **3** |
| **1** | 708.0 | | 1 | | | | 1 | | | | | | | | | 1 | 1 | | | | | | | | **1** |
| **2** | 713.0 | | | | | | | | | | | | | | | | 1 | | | | | | 1 | | **2** |
| **2** | 715.0 | | 1 | 1 | 1 | 1 | | 1 | | | 1 | | 1 | | | 1 | 1 | | 1 | | | | | | **2** |
| **3** | 718.0 | | 2 | 1 | | 1 | 1 | | | | | | 1 | | | | 2 | | | | | | | | **3** |
| **3** | 730.0 | | 1 | | | 1 | | | | | | | 1 | | | | 1 | | | | | | | 1 | **3** |
| **1** | 732.0 | | 1 | | 1 | | 1 | | | | | | 1 | | | | 1 | 1 | | | | | | | **1** |
| **1** | 733.0 | | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | 1 | 1 | | | | | | 1 | **1** |
| **2** | 735.0 | | | | 1 | 1 | | | | | | | | | | | | | | | | | | 1 | **2** |
| **2** | 742.0 | | 2 | | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | **2** |
| **1** | 745.0 | | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | | 1 | | | 1 | 1 | 1 | 1 | | | | | 1 | **1** |
| **2** | 749.0 | | | | | | 1 | | | | | | | | | | 2 | | | | | | 1 | | **2** |
| **1** | 750.0 | | | | | | | | | | | | | | | | 1 | | | | | | 1 | | **1** |
| **1** | 752.0 | | 1 | | | | 1 | | | | | | 1 | | | | 1 | | | | | | 1 | | **1** |
| **1** | 770.0 | | | | | | | | | | | | | | | | 1 | | | | | | | | **1** |
| **1** | 777.0 | | 1 | | | | | | | | | | | | | | | | | | | | | | **1** |
| **1** | 778.0 | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | **1** |
| **1** | 780.0 | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | **1** |
| **2** | 785.0 | | | | | | 1 | | | | | | | | | | 2 | | | | | | | | **2** |
| **1** | 791.0 | | | 1 | | | | | | | | | | | | | | | | | | | | | **1** |
| **1** | 795.0 | | | | | | | | | | | | | | | | 1 | | | | | | | | **1** |
| **1** | 797.0 | | 1 | | | | 1 | | | | | | | | | | | | | | | | | | **1** |
| **1** | 815.0 | | 1 | | | | | | | | | | | | | | | | | | | | | | **1** |
| **1** | 816.0 | | | | | | | | | | | | | | | | 1 | | | | | | | | **1** |
| **2** | 825.0 | | 1 | 1 | 1 | 1 | 1 | 1 | | | | | 1 | | | | 2 | 1 | | | | | | | **2** |
| **1** | 830.0 | | | | | | | | | | | | | | | | 1 | | | | | | 1 | | **1** |
| **1** | 835.0 | | | | | | | | | | | | | | | | 1 | | | | | | | | **1** |
| **1** | 840.0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | 1 | | 1 | | | 1 | 1 | 1 | 1 | | | | | | **1** |
| **1** | 850.0 | | | | | | | | | | 1 | 1 | | | | 1 | | | | | | | | | **1** |
| **1** | 852.0 | | | | | | 1 | | | | | | 1 | | | | 1 | | | | | | | | **1** |
| **1** | 876.0 | | | | | | 1 | | | | | | | | | | | | | | | | | | **1** |
| **1** | 888.0 | | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | **1** |
| **1** | 900.0 | | 1 | | | | 1 | | | | | | 1 | | | | 1 | 1 | | | | | | | **1** |
| **1** | 914.0 | | | | | | 1 | | | | | | | | | | 1 | | | | | | | | **1** |
| **1** | 915.0 | | | | | | | | | | | | | | | | 1 | | | | | | | | **1** |
| **2** | 920.0 | | | | | | 2 | 2 | | | | | | | | | | | | | | | | | **2** |
| **1** | 921.0 | | | | | | 1 | | | | | | | | | | 1 | | | | | | | | **1** |
| **1** | 925.0 | | | | | | 1 | | | | | | | | | | | | | | | | | | **1** |
| **2** | 930.0 | | | | | | 2 | 1 | | | | | | | | | | | | | | | | 1 | **2** |
| **1** | 932.0 | | | | | | 1 | | | | | | 1 | | | 1 | 1 | | | | | | | | **1** |
| **1** | 940.0 | | | | | | | | | | | | | | | | 1 | | | | | | | | **1** |
| **1** | 950.0 | | | | | | | | | | | | | | | | 1 | | | | | | 1 | | **1** |
| **2** | 960.0 | | | 1 | 1 | 1 | 2 | 1 | | | | | 1 | | | | 2 | 2 | | | | | | | **2** |
| **1** | 963.0 | | | | | | 1 | | | | | | | | | | | | | | | | | | **1** |
| **1** | 965.0 | | | | | | | | | | | | | | | | 1 | | | | | | | | **1** |
| **1** | 970.0 | | | | | | | | | | | | | | | | 1 | | | | | | | | **1** |
| **1** | 975.0 | | 1 | 1 | | 1 | 1 | | | | | | 1 | | | | | 1 | | | | | | | **1** |
| **1** | 983.0 | | | | | | | | | | | | | | | | 1 | | | | | | 1 | | **1** |
| **3** | 985.0 | | | 1 | 1 | | | 1 | | | | | | | | | 1 | | | | | | 1 | | **3** |
| **1** | 995.0 | | | | | | 1 | | | | | | 1 | | | | 1 | | | | | | | | **1** |
| **1** | 1000.0 | | | | | | | | | | | | | | | | 1 | | | | | | | | **1** |
| **1** | 1005.0 | | 1 | | | | 1 | 1 | | | | | 1 | | | | 1 | 1 | | | | | | 1 | **1** |
| **2** | 1020.0 | | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | 1 | | | 1 | 2 | 1 | | | | | | | **2** |
| **1** | 1025.0 | | | | | | 1 | | | | | | | | | | | | | | | | | | **1** |
| **1** | 1030.0 | | | | | | | | | | | | | | | | 1 | | | | | | | | **1** |
| **1** | 1046.0 | | | | | | 1 | | | | | | | | | | | | | | | | | | **1** |

| NDBs | QRG | CZE lk | CZE ms | CZE my | CZE ze | DEU bd | DEU hw | DEU je | ENG ag | ENG bk | ENG hh | ENG me | ENG pt | ENG px | ENG yk | FIN jt | FIN ro | HOL rb | ITA wb | SCT ds | SCT wk | SWE ll | UKR d6 | NDBs |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **1** | 1055.0 | | 1 | | | 1 | 1 | | | | | | | | | 1 | | | | | | | 1 | **1** |
| **1** | 1065.0 | | | | | | 1 | | | | | | | | | | | | | | | | | **1** |
| **1** | 1080.0 | | 1 | 1 | 1 | 1 | 1 | 1 | | | | 1 | | | | 1 | 1 | | | | | | 1 | **1** |
| **1** | 1100.0 | | 1 | | | | | | | | | | | | | | | | | | | | | **1** |
| **2** | 1210.0 | | | | | | | | | | | | | | | 1 | | | | | | | 1 | **2** |
| **1** | 1215.0 | | | | | | | | | | | | | | | 1 | | | | | | | | **1** |
| **1** | 1285.0 | | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | 1 | | 1 | 1 | 1 | 1 | 1 | | | | | | **1** |
| **3** | 1290.0 | 1 | 2 | 2 | 2 | 2 | 3 | 2 | | 1 | 1 | 1 | | 1 | 1 | 3 | 1 | 1 | | | | | 2 | **3** |
| **1** | 1645.0 | | | | | | 1 | | | | | | | | | | | | | | | 1 | | **1** |
| **1** | 1654.0 | | | | | | 1 | | | | | | | | | | | | | | | | | **1** |

## 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 |
|---|---|---|---|---|---|---|
| 517.0 | JBR | Jaszbereny | | HNG | bd | 2006 |
| 1210.0 | PR | Peredovaya | | RUS | d6 | 0401 |
| 687.0 | R | Dnipropetrovsk | | UKR | d6 | 0225 |
| 690.0 | DM | Dmytrivka | | UKR | d6 | 0318 |
| 700.0 | MR | Moscow / Sheremetievo | | RUS | d6 | 0319 |
| 735.0 | N | Vyazma | | RUS | d6 | 0325 |
| 493.0 | P | Papa | | HNG | hh | 1917 |
| 1025.0 | US | Muravlyanka | | RUS | hw | 1544 |
| 1046.0 | TZ | Vologda | | RUS | hw | 1640 |
| 1065.0 | HE | Kherson / Chernobayevka | | UKR | hw | 1931 |
| 1654.0 | SANTO | UNID | | XUS | hw | 0822 |
| 260.0 | RAF | Rafsanjan | | IRN | hw | 2255 |
| 445.0 | ZU | Starokonstantinov | | UKR | hw | 0558 |
| 449.0 | MW | Tver / Migalovo | | RUS | hw | 0459 |
| 450.0 | BN | Bovanenkovo | | RUS | hw | 1801 |
| 450.0 | MT | Mestia | | GEO | hw | 0539 |
| 450.0 | NZ | Nizhnevartovsk | | RUS | hw | 2215 |
| 454.0 | AD | Astrakhan / Privolzhskiy | | RUS | hw | 0257 |
| 454.0 | YM | Astrakhan / Privolzhskiy | | RUS | hw | 0244 |
| 463.0 | BZ | Severomorsk 3 | | RUS | hw | 0538 |
| 468.0 | MD | Myneralnye Vody | | RUS | hw | 0148 |
| 480.0 | AP | Anapa / Vityazevo | | RUS | hw | 0330 |
| 483.0 | I | UNID | | XUU | hw | 0548 |
| 485.0 | PZ | Nadym | | RSE | hw | 0055 |
| 486.0 | T | Kostroma | | RUS | hw | 0504 |
| 494.0 | NWO | Oksywie | | POL | hw | 0525 |
| 528.0 | UH | Tikhoretsk | | RUS | hw | 1855 |
| 588.5 | WPH | West Phoenix | | XOE | hw | 1638 |
| 614.0 | KV | Kirzhach | | RUS | hw | 0522 |
| 876.0 | WG | Volgograd / Gumrak | | RUS | hw | 2305 |
| 925.0 | B | Lipetsk-2 | | RUS | hw | 1555 |
| 930.0 | H | Chernyakhovsk | | KAL | hw | 0600 |
| 963.0 | NS | Orenburg-2 | | RUS | hw | 1548 |
| 985.0 | C | Mogilyov | | BLR | je | 0510 |
| 1000.0 | KZ | Severnoye | | RUS | jt | 1412 |
| 1020.0 | KA | Olzony | | RUS | jt | 1658 |
| 1030.0 | S | Nizhny Novgorod / Strigino | | RUS | jt | 1947 |
| 1210.0 | IO | Kirovsk / Apatity | | RUS | jt | 1800 |
| 1215.0 | P | Ufa | | RUS | jt | 1404 |
| 475.0 | JR | Beijing / Liangxiang | | CHN | jt | 1244 |
| 480.0 | C | Cheboksary | | RUS | jt | 1837 |
| 480.0 | UH | Undurkhaan | | MNG | jt | 1641 |
| 482.0 | NN | Kozhevnikovo | | RUS | jt | 1851 |
| 510.0 | DZ | Dalanzadgad | | MNG | jt | 1445 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 522.0 | DW | Vorkuta | | RUS | jt | 1841 |
| 555.0 | MZ | Mezen | | RUS | jt | 1558 |
| 568.0 | CSH | Monchegorsk | | RUS | jt | 0518 |
| 595.0 | I | Kirovsk / Apatity | | RUS | jt | 1727 |
| 628.0 | B | Ukhta | | RUS | jt | 1731 |
| 628.0 | D | Ukhta | | RUS | jt | 1432 |
| 643.0 | RZ | Sharanga | | RUS | jt | 1850 |
| 645.0 | X | Petrozavodsk / Besovets | | RUS | jt | 1214 |
| 662.0 | R | Dashoguz | | TKM | jt | 1957 |
| 678.0 | P | Pechora | | RUS | jt | 1635 |
| 690.0 | AZ | Arkhangelsk / Talagi | | RUS | jt | 1212 |
| 696.0 | BT | Alatyr | | RUS | jt | 1924 |
| 700.0 | BI | Dudinka | | RSE | jt | 1426 |
| 700.0 | K | St Petersburg / Pulkovo | | RUS | jt | 1925 |
| 705.0 | PX | Perm / Bolshoye Savino | | RUS | jt | 1859 |
| 713.0 | DO | Kazan | | RUS | jt | 1347 |
| 715.0 | KD | Novotyryshkino | | RSE | jt | 1544 |
| 730.0 | WS | Arkhangels / Vaskovo | | RUS | jt | 1210 |
| 749.0 | U | Yekaterinburg | | RUS | jt | 1640 |
| 770.0 | N | Sheremetyevo | | RUS | jt | 1916 |
| 785.0 | IU | Beloyarsk | | RUS | jt | 1422 |
| 795.0 | UH | Bukhara | | UZB | jt | 2005 |
| 816.0 | EB | Matveyevskiy | | RUS | jt | 1921 |
| 825.0 | F | Cherepovets | | RUS | jt | 1643 |
| 835.0 | D | Varandej | | RUS | jt | 1243 |
| 915.0 | N | Nizhnevartovsk | | RUS | jt | 1934 |
| 940.0 | YA | Severomorsk-3 | | RUS | jt | 1654 |
| 965.0 | SZ | Barabinsk | | RSE | jt | 1656 |
| 970.0 | US | Yelshanka | | RUS | jt | 2015 |
| 260.0 | NSR | Noshahr | | IRN | ll | 2039 |
| 463.0 | YAN | Severomorsk 3 | | RUS | ll | 1511 |
| 545.0 | FG | Velikiy Ustyug | | RUS | ll | 1447 |
| 625.0 | AW | Yoshkar-Ola / Danilovo | | RUS | ll | 1435 |
| 625.0 | PS | Ostafievo | | RUS | ll | 1745 |
| 635.0 | LV | Izhevsk | | RUS | ll | 1743 |
| 692.0 | V | Khotilovo / Novyj | | RUS | ll | 1739 |
| 713.0 | CHC | Kazan /Borisoglebskoye | | RUS | ll | 1425 |
| 510.0 | LJ | Gromovo | | RUS | me | 0610 |
| 718.0 | NF | Nalchik | | RUS | me | 0115 |
| 1100.0 | KA | Konstaninovsk | | RUS | ms | 2151 |
| 470.0 | CD | Mirgorod | | UKR | ms | 1441 |
| 480.0 | CLD | Aydin / Cildir | | TUR | ms | 0211 |
| 515.0 | NV | Rostov Na Donu | | RUS | ms | 1745 |
| 588.0 | SF | Simferopol | | UKR | ms | 1547 |
| 588.0 | SN | Simferopol | | UKR | ms | 1616 |
| 595.0 | W | Chertovitskoye / Vorenezh | | RUS | ms | 1911 |
| 640.0 | I | Kiev / Boryspil | | UKR | ms | 2308 |
| 687.0 | P | Dnipropetrovsk | | UKR | ms | 1940 |
| 705.0 | MN | Manychsky | | RUS | ms | 2018 |
| 777.0 | ST | Sirotinskaya | | RUS | ms | 2303 |
| 815.0 | DD | Lipetsk | | RUS | ms | 1546 |
| 520.0 | OO | Shaykovka | | RUS | my | 0247 |
| 791.0 | SU | Belozersk / Ozyorsk | | RUS | my | 0242 |
| 516.0 | YWA | Petawawa | ON | CAN | rb | 0221 |
| 477.0 | DE | Baranovichi | | BLR | rb | 0537 |
| 493.0 | NO | Nakhchivan | | AZE | rb | 2107 |
| 472.0 | DK8ND | Wernau / Neckar | | DEU | ze | 2001 |

## FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

| | |
|---|---|
| **THEN** | CLE210 - 260 - 269,9 / 440 - 1740 kHz - 26.08.2016 - 29.08.2016 |
| **NOW** | CLE228 - 260 - 269,9 kHz / 440 - 1740 kHz - 26.01.2018 - 29.01.2018 |

| 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** | 1105 | 1051 | 73 | 75 | 66 | 71 | 4750 | 4372 |
| **CZE ze** | 793 | 825 | 47 | 54 | 59 | 66 | 1863 | 2054 |
| **DEU bd** | 1076 | 1009 | 67 | 64 | 62 | 63 | 3020 | 2322 |
| **DEU hw** | 1567 | 1704 | 190 | 261 | 121 | 154 | 4951 | 10188 |
| **DEU je** | 1219 | 1196 | 73 | 80 | 60 | 67 | 4870 | 4881 |
| **ENG ag** | 1553 | 1376 | 17 | 22 | 11 | 16 | 4101 | 1914 |
| **ENG bk** | 1415 | 1590 | 25 | 64 | 18 | 40 | 4286 | 4295 |
| **ENG hh** | 1464 | 1796 | 28 | 101 | 19 | 56 | 2356 | 5650 |
| **FIN ro** | 985 | 1285 | 33 | 64 | 34 | 50 | 1527 | 2594 |
| **HOL rb** | 1397 | 1829 | 53 | 112 | 38 | 61 | 4542 | 5678 |
| **ITA wb** | 913 | 811 | 3 | 20 | 3 | 25 | 1354 | 1360 |
| **SCT ds** | 1622 | 1544 | 26 | 28 | 16 | 18 | 3864 | 3874 |
| **Averages:** | 1259 | 1335 | 53 | 79 | 42 | 57 | 3457 | 4099 |
| **% Increase:** | | 6 | | 49 | | 36 | | 19 |

| 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 lk** | | 591 | | 17 | | 28 | | 1314 |
| **CZE ms** | | 1157 | | 135 | | 117 | | 4527 |
| **ENG me** | | 1938 | | 118 | | 61 | | 4413 |
| **ENG pt** | | 1390 | | 42 | | 30 | | 4308 |
| **ENG px** | | 1728 | | 74 | | 43 | | 4178 |
| **ENG yk** | | 1665 | | 42 | | 25 | | 4173 |
| **FIN jt** | | 1654 | | 238 | | 144 | | 6334 |
| **SCT wk** | | 1258 | | 14 | | 11 | | 1772 |
| **SWE ll** | | 2324 | | 60 | | 26 | | 11662 |
| **UKR d6** | | 836 | | 33 | | 39 | | 1770 |
| **Averages:** | | 1454 | | 77 | | 52 | | 4445 |
| **% 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.

CLE228_Results_REU.xls
je - 03.02.2018