

**NDB LIST CLE No. 224 385 - 399,9 kHz 27.10. - 30.10.2017**

COMBINED RESULTS  
RWW

For overall statistics, please see the covering email.

**Reporters:**

|         |    |   |
|---------|----|---|
| AUS, SA | rw | Bob Warren, Blakeview                             |
| CAN, BC | bt | Brian Butler, Hazelton                            |
| CAN, BC | co | Dan Collier, Vancouver - while at Univ. ARC       |
| CAN, QC | ky | Richard Katezansky, Main, Montreal                |
| CAN, BC | sm | Steve McDonald, Mayne Island                      |
| CAN, NS | vm | Vernon Matheson, Truro                            |
| CHN     | h2 | Hubert Ott, using remote rx at Shenzhen           |
| HWA     | mx | Mike Tuggle, Kaneohe, Hawaii                      |
| USA, WA | so | Steven O'Kelley, The Dungeon, Nr Seattle          |
| USA, CO | ac | Anthony Casorso, Westminster                      |
| USA, AZ | bc | Bob Coomler, Tucson                               |
| USA, CA | c9 | Christoph Mayer, using remote Perseus at Stanford |
| USA, FL | cg | Craig Cook, Oviedo                                |
| USA, TX | ch | Chuck Dobbins, Alpine                             |
| USA, MI | ct | Carl Schmidt, Rochester                           |
| USA, CA | dn | Don Tomkinson, Upland                             |
| USA, MO | dp | Dick Palmer, Wentzville                           |
| USA, IL | dt | Dave Tomasko, Galena                              |
| USA, TX | du | Douglas Springfield, New Chapel Hill, NE Texas    |
| USA, IL | fy | Joe Farley, Downers Grove                         |
| USA, NJ | ge | George Muha, Cream Ridge                          |
| USA, MI | jb | Joe Miller, Troy                                  |
| USA, NH | jc | John Collins, Charlestown                         |
| USA, UT | mu | Mark Moulding, Ogden, Northern UT                 |
| USA, WA | rt | Tom Rothlisberger, Brier                          |
| USA, AZ | sr | Steve Ratzlaff, Near Sahuarita, SE Arizona        |
| USA, NC | ws | Bill Stewart, Smithfield, 30 miles SE of Raleigh  |

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).

| ITU | QRG   | ID  | Name                                | AUS rw | CAN bt | CAN co | CAN ky | CAN sm | CAN vm | CHN h2 | HWA mx | USA so | USA ac | USA bc | USA c9 | USA cg | USA ch | USA ct | USA dn | USA dp | USA dt | USA du | USA fy | USA ge | USA jb | USA jc | USA mu | USA rt | USA sr | USA ws |
|-----|-------|-----|-------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ALS | 385.0 | EHM | Cape Newenham                       |        |        | 09     |        | 05     |        |        | 05     | 08     |        |        | 09     |        |        |        |        |        |        |        |        |        |        |        |        | 10     | 04     |        |
| ALS | 385.0 | OCC | Ocean Cape' Yakutat                 |        | 06     | 09     |        | 05     |        |        |        |        |        |        | 09     |        |        |        |        |        |        |        |        |        |        |        |        | 08     |        |        |
| ALS | 390.0 | AES | Nabesna' Northway                   |        | 05     |        |        | 13     |        |        |        |        |        |        | 09     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| ALS | 390.0 | HBT | Sand Point (Borland)                |        | 04     | 09     |        | 05     |        |        | 05     | 06     | 06     |        | 09     |        |        |        | 06     |        |        |        | 08     |        |        |        | 07     | 08     | 03     |        |
| ALS | 391.0 | EEF | Elephant' Sisters Island            |        | 04     | 09     |        | 09     |        |        |        | 06     |        |        | 09     |        |        |        | 07     |        |        |        | 04     |        |        |        | 09     | 08     | 02     |        |
| ALS | 393.0 | TOG | Togiak' Togiak Village              |        |        |        |        | 13     |        |        |        |        |        |        | 09     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| ALS | 394.0 | RWO | Woody Island' Kodiak                |        | 05     | 09     |        | 05     |        |        | 05     | 08     |        |        | 09     |        |        |        | 06     |        |        |        |        |        |        |        | 09     | 08     | 03     |        |
| ALS | 396.0 | CMJ | Clam Cove' Ketchikan                |        | 04     | 09     |        | 05     |        |        |        | 08     |        |        | 09     |        |        |        | 06     |        |        |        |        |        |        |        |        | 09     |        |        |
| ALS | 399.0 | SRI | Pribilof' St George                 |        |        | 09     |        | 10     |        |        | 07     |        |        |        | 09     |        |        |        |        |        |        |        |        |        |        |        |        | 10     | 04     |        |
| AUS | 389.0 | PLC | Port Lincoln                        | 07     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| AUS | 392.0 | MOR | Moree                               | 10     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| AUS | 395.0 | CBA | Cobar                               | 09     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| AUS | 398.0 | BOU | Boulia                              | 10     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| CAN | 385.0 | QV  | Yorkton                             |        |        | 09     |        | 07     |        |        |        | 06     | 12     | 03     | 09     |        | 02     | 09     | 08     | 00     | 23     | 01     | 00     |        |        |        | 03     | 07     | 01     |        |
| CAN | 385.0 | WL  | Williams Lake                       |        | 02     | 09     |        | 07     |        |        | 05     | 02     | 12     | 05     | 09     |        | 02     | 04     | 04     | 08     | 00     | 01     | 04     |        |        |        | 01     | 07     | 01     |        |
| CAN | 385.0 | YNC | Wemindji                            |        |        |        | 06     |        |        |        |        |        |        |        |        |        | 02     | 04     | 08     | 23     | 08     | 04     | 05     |        |        | 03     |        |        |        |        |
| CAN | 385.0 | ZNS | Midtown' Halifax                    |        |        |        |        |        | 02     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 00     |        |        |        |        |
| CAN | 387.0 | 6E  | Grand Manan                         |        |        |        |        |        | 02     |        |        |        |        |        |        |        |        |        |        |        | 23     |        |        |        |        | 00     |        |        |        |        |
| CAN | 388.0 | 3Z  | Taber (Muni Apt)                    |        |        |        |        |        |        |        |        |        |        |        |        |        | 11     |        |        |        |        |        |        |        |        |        |        |        |        |        |
| CAN | 388.0 | H7  | Manitoulin East (Manitowaning)      |        |        |        | 04     |        | 02     |        |        | 01     |        |        |        | 01     | 17     |        | 00     | 00     | 00     | 23     | 05     | 23     | 09     |        | 03     | 07     | 05     | 09     |
| CAN | 388.0 | JW  | Pigeon' Jumping Pound Creek         |        | 04     | 09     |        | 09     |        |        |        | 05     | 12     |        | 09     |        | 03     |        | 04     |        | 11     | 01     | 05     |        |        | 03     | 07     | 02     |        |        |
| CAN | 388.0 | MM  | Fort Mc Murray                      |        | 04     | 09     |        | 09     |        |        | 07     | 07     | 12     |        | 09     |        | 11     |        | 04     | 07     | 10     | 07     | 05     |        |        | 03     | 07     | 01     |        |        |
| CAN | 389.0 | YWB | Kelowna                             |        | 03     | 09     |        | 09     |        |        | 08     | 02     | 12     |        | 09     |        | 03     |        | 04     | 08     | 00     | 02     | 02     |        |        | 02     | 07     | 02     |        |        |
| CAN | 390.0 | JT  | Stephenville                        |        |        |        | 23     |        | 02     |        |        | 05     |        |        | 09     |        | 01     | 03     |        | 01     | 00     | 00     | 23     |        | 02     | 00     |        | 04     | 09     |        |
| CAN | 390.0 | VP  | Kuujuuaq / Kujack                   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 00     | 07     |        |        |        |        |        |        |        |        |
| CAN | 391.0 | 3B  | Brockville                          |        |        |        |        | 20     |        | 02     |        | 07     |        |        |        |        | 02     | 09     |        | 01     | 00     | 03     | 22     | 05     |        | 00     |        | 02     | 09     |        |
| CAN | 391.0 | 4W  | Kelsey                              |        |        |        |        |        |        |        |        | 03     |        |        |        |        |        |        | 08     |        | 10     | 03     | 05     |        |        |        |        |        |        |        |
| CAN | 391.0 | OO  | Oshawa                              |        |        |        | 04     | 07     | 02     |        |        | 07     |        |        |        |        |        |        |        |        | 00     | 00     | 22     | 05     | 14     | 00     |        | 02     | 10     |        |
| CAN | 391.0 | TK  | Telkwa (Smithers)                   |        | 02     | 09     |        | 10     |        |        |        | 05     |        |        | 09     |        |        |        |        |        | 09     |        |        |        |        | 04     | 07     | 04     |        |        |
| CAN | 392.0 | ML  | Charlevoix                          |        |        |        | 20     | 07     | 02     |        |        | 08     | 06     |        | 07     |        | 03     | 03     | 07     | 02     | 00     | 00     | 22     | 05     | 23     | 00     | 04     | 07     | 03     | 09     |
| CAN | 392.0 | ZFN | Tulita                              |        | 06     |        |        | 07     |        |        |        |        |        |        | 11     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |
| CAN | 393.0 | 2M  | Opapimiskan Lake (Musselwhite Mine) |        |        |        |        |        |        |        |        | 07     |        |        |        |        | 03     | 09     |        | 07     | 00     | 07     | 05     |        |        |        |        | 05     |        |        |
| CAN | 394.0 | DQ  | Dawson Creek                        |        | 04     | 09     |        | 09     |        |        | 08     | 05     | 06     |        | 09     |        | 03     |        | 07     |        | 03     | 02     |        |        |        | 02     | 07     | 12     |        |        |



|     |          |                       |      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |
|-----|----------|-----------------------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----|
| USA | 397.0 SB | Petis' San Bernardino |      |        |        |        | 08     |        |        |        | 10     |        | 09     |        | 11     |        | 18     |        |        |        |        | 03     |        |        |        |        |        | 02     | 08     | 03     |    |
| XUA | 386.0 BU | Unknown               |      |        |        |        |        | 17     |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |    |
| XUN | 392.0    | 934 UNID              |      |        |        |        |        |        |        |        | 04     |        |        |        |        |        | 01     |        | 08     | 17     | 01     | 23     |        |        |        |        |        |        |        | 03     | 04 |
| ITU | QRG      | ID                    | Name | AUS rw | CAN bt | CAN co | CAN ky | CAN sm | CAN vm | CHN h2 | HWA mx | USA so | USA ac | USA bc | USA c9 | USA cg | USA ch | USA ct | USA dn | USA dp | USA dt | USA du | USA fy | USA ge | USA jb | USA jc | USA mu | USA rt | USA sr | USA ws |    |

**COUNTRIES HEARD:**

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

| ITU | ITU Name              | AUS rw | CAN bt | CAN co | CAN ky | CAN sm | CAN vm | CHN h2 | HWA mx | USA so | USA ac | USA bc | USA c9 | USA cg | USA ch | USA ct | USA dn | USA dp | USA dt | USA du | USA fy | USA ge | USA jb | USA jc | USA mu | USA rt | USA sr | USA ws |   |
|-----|-----------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---|
| ALS | Alaska, AK            |        | 6      | 7      |        | 9      |        |        | 4      | 5      | 1      |        | 9      |        |        |        |        |        |        |        | 2      |        |        |        |        | 3      | 7      | 5      |   |
| AUS | Australia, NW         | 2      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |   |
| AUS | Australia, QD         | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |   |
| AUS | Australia, SA         | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |   |
| CAN | CAN, AB               |        |        |        |        |        |        |        |        |        |        |        |        | 2      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |   |
| CAN | Canada, AB            |        | 3      | 4      |        | 3      |        |        | 1      | 3      | 3      |        | 1      |        | 3      |        | 2      | 1      | 2      | 2      | 2      | 2      |        |        | 2      | 3      | 2      |        |   |
| CAN | Canada, BC            |        | 4      | 4      |        | 4      |        |        | 3      | 4      | 3      | 1      | 4      |        | 3      |        | 3      | 2      | 2      | 2      | 4      | 2      |        |        | 4      | 4      | 4      |        |   |
| CAN | Canada, MB            |        | 1      |        |        | 1      |        |        |        | 1      | 2      |        |        |        | 1      |        | 2      | 1      | 2      | 2      | 2      | 2      |        |        | 1      | 1      | 1      |        |   |
| CAN | Canada, NB            |        |        |        | 1      |        |        | 2      |        |        |        |        |        |        | 1      |        | 1      |        | 2      | 1      | 1      | 1      |        |        | 2      |        |        |        |   |
| CAN | Canada, NL            |        |        |        | 1      |        |        | 2      |        |        | 1      |        |        |        | 1      | 1      |        | 1      | 1      | 1      | 1      | 1      |        | 1      | 2      |        | 1      | 1      |   |
| CAN | Canada, NS            |        |        |        |        |        |        | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1      |        |        |        |   |
| CAN | Canada, NT            | 1      |        |        |        | 1      |        |        |        |        |        |        | 1      |        |        |        |        |        |        |        |        |        |        |        | 1      |        |        |        |   |
| CAN | Canada, ON            |        |        |        | 4      | 2      | 4      |        |        | 1      | 6      |        | 1      |        | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 6      | 4      | 4      | 4      | 1      | 6      | 4      |   |
| CAN | Canada, QC            | 1      |        |        | 3      | 2      | 1      |        |        | 2      | 1      |        | 1      |        | 3      | 3      | 1      | 3      | 4      | 4      | 3      | 3      |        | 2      | 3      | 1      | 2      | 1      |   |
| CAN | Canada, SK            | 1      |        | 3      |        | 4      |        |        |        | 4      | 4      | 1      | 4      |        | 4      | 1      | 2      | 4      | 4      | 4      | 4      | 4      |        |        | 2      | 4      | 4      |        |   |
| CHN | China                 |        |        |        |        |        |        | 9      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |   |
| FSM | Micronesia            |        |        |        |        | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |   |
| GDL | Guadeloupe            |        |        |        |        |        |        | 1      |        |        | 1      |        |        |        |        |        |        |        |        |        |        | 1      |        |        | 1      |        |        |        |   |
| GTM | Guatemala             |        |        |        |        |        |        | 1      |        |        | 1      |        |        | 1      |        |        |        |        |        | 1      |        |        |        |        | 1      |        |        | 1      |   |
| POR | Portugal              |        |        |        |        |        |        | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1      | 1 |
| SPM | St Pierre Et Miquelon |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1      |        |        |   |
| THA | Thailand              |        |        |        |        |        |        | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |   |
| USA | USA, AR               |        |        |        |        | 1      |        |        |        |        | 2      | 1      |        |        | 2      |        |        | 2      | 2      | 2      | 2      | 2      |        |        |        |        | 2      |        |   |
| USA | USA, CA               |        | 1      | 1      |        | 2      |        |        |        | 1      | 1      |        | 2      |        | 1      |        | 2      |        | 1      | 1      | 1      | 1      |        |        | 1      | 2      | 2      |        |   |
| USA | USA, CO               |        |        |        |        | 1      |        |        |        |        | 1      | 1      | 1      |        | 1      |        |        | 1      | 1      | 1      | 1      | 1      |        |        | 1      | 1      | 1      |        |   |
| USA | USA, GA               |        |        |        | 1      | 1      | 2      |        |        |        | 1      |        | 1      |        | 1      | 1      |        | 2      | 2      | 3      | 3      | 3      |        | 1      | 3      | 1      | 2      | 1      |   |
| USA | USA, IA               |        |        |        |        | 4      |        |        |        |        | 4      | 1      |        |        | 3      | 1      |        | 3      | 4      | 4      | 4      | 4      |        |        | 1      | 1      | 3      | 1      |   |
| USA | USA, ID               | 1      |        |        |        | 1      |        |        |        | 1      | 1      |        | 1      |        | 1      |        | 1      |        | 1      | 1      | 1      | 1      |        |        | 1      | 1      | 1      |        |   |
| USA | USA, IL               |        |        |        | 1      |        |        |        |        |        | 3      |        |        |        | 3      | 2      |        | 4      | 4      | 4      | 4      | 4      |        |        | 1      | 2      | 2      | 1      |   |
| USA | USA, IN               |        |        |        | 1      | 1      | 3      |        |        |        | 3      |        |        |        | 3      | 3      |        | 3      | 3      | 3      | 3      | 3      |        |        | 3      | 3      | 2      | 2      |   |
| USA | USA, KS               | 1      |        |        |        | 3      | 1      |        | 2      | 1      | 3      | 3      | 2      |        | 3      | 1      | 2      | 3      | 3      | 3      | 3      | 3      |        |        | 2      | 2      | 3      |        |   |
| USA | USA, KY               |        |        |        | 1      |        | 1      |        |        |        | 2      |        |        |        | 2      | 1      |        | 2      | 2      | 2      | 2      | 2      |        |        | 1      | 2      | 1      | 2      | 2 |
| USA | USA, LA               |        |        |        |        |        |        |        |        |        | 1      | 1      |        |        | 1      |        | 1      | 1      | 1      | 1      | 1      | 1      |        |        | 1      | 2      | 1      | 1      |   |
| USA | USA, MA               |        |        |        | 2      |        | 3      |        |        |        |        |        |        |        |        |        |        |        |        | 2      | 1      | 1      |        |        | 3      |        | 1      |        |   |
| USA | USA, MI               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1      | 1      | 1      | 1      |        |        | 1      |        |        |        |   |
| USA | USA, MN               |        |        |        |        |        |        |        |        |        | 2      |        |        |        |        |        |        |        | 2      | 2      | 2      | 2      |        |        |        |        | 1      |        |   |
| USA | USA, MO               |        |        |        |        | 1      | 1      |        |        |        | 2      | 1      | 1      |        | 1      | 1      | 1      | 2      | 2      | 2      | 2      | 2      |        |        | 1      | 1      | 2      |        |   |
| USA | USA, MS               |        |        |        |        |        |        |        |        |        | 1      |        |        |        | 1      |        |        |        |        | 1      | 1      | 1      |        |        |        |        |        |        |   |
| USA | USA, MT               | 1      |        | 1      |        | 1      |        |        |        | 1      | 1      |        | 1      |        | 1      |        |        |        | 1      | 1      | 1      |        |        |        | 1      | 1      | 1      | 1      |   |
| USA | USA, NC               |        |        |        | 2      |        | 2      |        |        |        | 1      |        | 1      |        | 1      |        |        |        | 2      | 3      | 2      | 3      | 1      |        | 3      | 1      | 1      | 3      |   |
| USA | USA, NE               |        |        |        |        | 3      |        |        |        | 1      | 3      | 2      | 1      |        | 3      | 2      | 2      | 3      | 3      | 3      | 3      | 3      |        |        | 1      | 1      | 2      | 3      |   |
| USA | USA, NH               |        |        |        | 1      |        | 1      |        |        |        |        |        |        |        | 2      |        |        |        |        |        |        |        |        | 1      | 1      | 1      |        |        |   |
| USA | USA, NJ               |        |        |        | 1      |        | 1      |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1      | 1      |        |        | 1      |   |
| USA | USA, NY               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1      | 1      |        |        |        |   |
| USA | USA, OK               |        |        |        |        | 1      |        |        |        |        | 2      | 2      |        |        | 2      |        |        | 2      | 2      | 2      | 2      | 2      |        |        | 1      |        | 2      |        |   |
| USA | USA, PA               |        |        |        | 1      |        |        |        |        |        |        |        |        |        |        | 1      |        |        | 1      | 1      | 1      | 1      |        |        | 1      |        |        |        |   |
| USA | USA, TN               |        |        |        |        | 1      |        |        |        |        | 2      |        |        |        | 2      | 1      |        | 2      | 2      | 2      | 2      | 2      |        |        | 2      |        | 2      |        |   |
| USA | USA, TX               |        |        |        |        | 3      | 1      |        |        |        | 4      | 4      | 2      |        | 4      |        | 2      | 4      | 4      | 4      | 4      | 4      |        |        |        |        | 1      | 4      |   |
| USA | USA, VA               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1      | 2      | 1      | 2      | 1      | 2      |        |        | 2      |        |        | 1      |   |
| USA | USA, WI               |        |        |        |        | 1      | 1      |        |        |        | 3      |        |        |        | 1      | 3      |        | 3      | 3      | 3      | 3      | 3      |        |        | 1      | 1      | 3      | 1      |   |
| USA | USA, WV               |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        | 1      | 1      |        |        |   |
| USA | USA, WY               |        | 1      | 1      |        | 1      |        |        |        | 1      | 1      | 1      | 1      |        | 1      |        | 1      | 1      | 1      | 1      | 1      | 1      |        |        |        | 1      | 1      | 1      |   |
| XUA | (Leer)                |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |   |
| XUN | UNID (N.America?)     |        |        |        |        |        |        | 1      |        | 1      |        |        |        |        | 1      |        |        |        |        | 1      | 1      | 1      |        |        |        |        |        | 1      | 1 |
| ITU | ITU Name              | AUS rw | CAN bt | CAN co | CAN ky | CAN sm | CAN vm | CHN h2 | HWA mx | USA so | USA ac | USA bc | USA c9 | USA cg | USA ch | USA ct | USA dn | USA dp | USA dt | USA du | USA fy | USA ge | USA jb | USA jc | USA mu | USA rt | USA sr | USA ws |   |

**LISTENING TIMES:**

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

| UTC (hh)      | AUS rw | CAN bt | CAN co | CAN ky | CAN sm | CAN vm | CHN h2 | HWA mx | USA so | USA ac | USA bc | USA c9 | USA cg | USA ch | USA ct | USA dn | USA dp | USA dt | USA du | USA fy | USA ge | USA jb | USA jc | USA mu | USA rt | USA sr | USA ws |  |
|---------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| 00:00 - 00:59 |        |        |        | 1      |        |        |        |        |        | 5      |        |        |        |        |        |        |        | 6      | 24     | 25     | 10     |        |        | 18     |        |        |        |  |
| 01:00 - 01:59 |        |        |        |        |        |        |        |        |        | 6      |        |        |        |        |        |        |        | 7      | 23     | 3      | 19     | 2      |        |        | 3      | 10     | 10     |  |
| 02:00 - 02:59 |        | 2      |        | 4      |        |        | 20     |        | 3      | 4      |        |        |        |        | 22     |        |        | 7      | 7      | 6      | 3      |        | 1      | 10     | 3      | 7      | 18     |  |
| 03:00 - 03:59 |        | 1      |        | 3      |        |        | 1      |        |        | 4      |        | 6      |        |        | 19     | 11     |        | 6      |        | 9      | 4      |        | 3      | 4      | 4      | 3      | 18     |  |
| 04:00 - 04:59 |        | 10     |        | 5      |        |        | 3      |        |        | 2      | 3      | 6      |        |        |        | 3      | 11     |        |        | 2      | 6      |        |        | 2      | 2      | 14     |        |  |
| 05:00 - 05:59 |        | 5      |        | 4      |        | 9      | 2      |        | 4      | 4      | 3      | 3      |        |        |        |        |        |        |        | 8      |        | 10     |        | 1      |        | 6      |        |  |
| 06:00 - 06:59 |        | 3      |        | 1      | 1      | 1      | 1      |        | 1      | 7      | 3      |        |        |        |        | 4      |        |        |        |        | 1      |        |        |        |        | 2      |        |  |
| 07:00 - 07:59 | 1      | 1      |        |        | 7      |        |        |        | 3      | 4      | 6      |        | 1      | 2      |        | 3      | 4      |        |        | 3      | 1      |        |        | 1      | 14     |        |        |  |
| 08:00 - 08:59 |        |        |        | 3      | 5      |        |        |        | 2      | 5      |        |        |        |        |        | 4      |        |        |        | 3      | 3      |        |        |        |        | 11     |        |  |
| 09:00 - 09:59 | 1      |        | 19     |        | 13     | 2      |        |        | 2      | 1      |        | 31     |        |        | 6      | 2      |        |        |        | 3      |        |        |        | 9      | 3      | 4      | 15     |  |
| 10:00 - 10:59 | 2      |        | 2      |        | 7      |        |        |        |        | 1      |        | 4      | 2      |        |        | 4      |        |        | 10     |        | 1      |        |        | 1      | 3      |        | 7      |  |

|               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 11:00 - 11:59 |               |               |               |               | 9             |               |               |               |               | 2             |               |               |               | 11            | 1             |               |               | 6             |               | 4             |               |               |               |               |               |               |               |
| 12:00 - 12:59 |               |               |               |               |               |               |               |               |               | 27            |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| 13:00 - 13:59 |               |               |               |               | 2             |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| 14:00 - 14:59 |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| 17:00 - 17:59 |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| 18:00 - 18:59 |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| 19:00 - 19:59 |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| 20:00 - 20:59 |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| 21:00 - 21:59 |               |               |               |               | 2             |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| 22:00 - 22:59 |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| 23:00 - 23:59 |               |               |               |               | 1             |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
| <b>Totals</b> | <b>AUS rw</b> | <b>CAN bt</b> | <b>CAN co</b> | <b>CAN ky</b> | <b>CAN sm</b> | <b>CAN vm</b> | <b>CHN h2</b> | <b>HWA mx</b> | <b>USA so</b> | <b>USA ac</b> | <b>USA bc</b> | <b>USA c9</b> | <b>USA cg</b> | <b>USA ch</b> | <b>USA ct</b> | <b>USA dn</b> | <b>USA dp</b> | <b>USA dt</b> | <b>USA du</b> | <b>USA fy</b> | <b>USA ge</b> | <b>USA jb</b> | <b>USA jc</b> | <b>USA mu</b> | <b>USA rt</b> | <b>USA sr</b> | <b>USA ws</b> |
|               | 4             | 22            | 21            | 20            | 53            | 29            | 11            | 10            | 27            | 65            | 19            | 35            | 2             | 60            | 29            | 25            | 64            | 77            | 78            | 76            | 10            | 15            | 44            | 21            | 37            | 67            | 22            |

**NDB COUNTS, BY FREQUENCY:**

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

|            |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |               |
|------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <b>QRG</b> | <b>AUS rw</b> | <b>CAN bt</b> | <b>CAN co</b> | <b>CAN ky</b> | <b>CAN sm</b> | <b>CAN vm</b> | <b>CHN h2</b> | <b>HWA mx</b> | <b>USA so</b> | <b>USA ac</b> | <b>USA bc</b> | <b>USA c9</b> | <b>USA cg</b> | <b>USA ch</b> | <b>USA ct</b> | <b>USA dn</b> | <b>USA dp</b> | <b>USA dt</b> | <b>USA du</b> | <b>USA fy</b> | <b>USA ge</b> | <b>USA jb</b> | <b>USA jc</b> | <b>USA mu</b> | <b>USA rt</b> | <b>USA sr</b> | <b>USA ws</b> |
| 385.0      |               | 3             | 5             | 2             | 10            | 4             | 1             | 2             | 3             | 10            | 5             | 6             | 2             | 10            | 4             | 4             | 11            | 12            | 11            | 13            | 1             | 2             | 7             | 2             | 6             | 12            | 3             |
| 386.0      |               | 1             | 1             | 1             | 2             | 1             | 1             | 1             | 1             | 2             | 1             | 2             |               | 2             | 1             | 1             |               | 2             | 2             | 1             | 1             |               | 2             | 2             | 2             | 2             |               |
| 387.0      |               |               |               |               | 1             |               | 1             |               |               | 1             | 1             |               |               | 1             |               |               | 1             | 2             | 1             | 1             |               |               | 2             | 1             | 1             | 1             |               |
| 388.0      |               | 2             | 2             | 5             | 3             | 5             | 1             | 1             | 2             | 7             | 2             | 3             |               | 10            | 5             | 3             | 8             | 11            | 9             | 11            | 2             | 3             | 7             | 2             | 4             | 8             | 4             |
| 389.0      | 1             | 2             | 1             | 1             | 3             | 3             | 1             | 1             | 3             | 4             | 1             | 3             |               | 2             | 2             | 3             | 3             | 4             | 4             | 5             |               | 1             | 2             | 3             | 3             | 4             | 1             |
| 390.0      |               |               | 1             | 1             | 3             | 1             | 1             |               | 1             | 3             |               | 2             |               | 2             | 1             | 1             | 3             | 4             | 5             | 3             |               | 1             | 2             | 1             | 1             | 4             | 1             |
| 391.0      |               | 2             | 2             | 4             | 6             | 4             |               |               | 2             | 8             | 1             | 3             |               | 3             | 5             | 3             | 6             | 8             | 10            | 8             | 2             | 1             | 4             | 2             | 2             | 6             | 4             |
| 392.0      | 1             | 2             | 1             | 1             | 5             | 1             | 1             |               | 4             | 5             | 3             | 4             |               | 5             | 2             | 3             | 6             | 6             | 6             | 6             | 1             | 1             | 1             | 3             | 5             | 5             | 1             |
| 393.0      |               |               |               |               | 3             |               | 2             |               |               | 3             | 2             | 1             |               | 3             | 1             |               | 3             | 4             | 4             | 4             |               |               | 1             |               | 3             | 1             |               |
| 394.0      |               | 2             | 2             |               | 4             | 1             |               | 2             | 2             | 5             | 2             | 2             |               | 5             | 3             | 2             | 4             | 4             | 5             | 4             |               | 1             | 3             | 2             | 2             | 5             | 1             |
| 395.0      | 1             | 2             | 2             | 1             | 4             | 3             | 1             | 1             | 3             | 6             | 2             | 2             |               | 7             | 2             | 2             | 6             | 7             | 7             | 7             |               | 1             | 3             | 2             | 3             | 6             | 2             |
| 396.0      |               | 2             | 1             | 2             | 3             | 2             |               |               | 2             | 2             | 1             | 1             |               | 3             | 1             | 1             | 4             | 4             | 4             | 4             | 2             | 1             | 5             | 4             | 2             | 4             | 4             |
| 397.0      |               | 1             | 1             | 2             | 2             | 3             |               |               | 1             | 6             | 2             | 2             |               | 5             | 2             | 2             | 6             | 7             | 8             | 7             | 1             | 2             | 5             | 2             | 2             | 6             | 3             |
| 398.0      | 1             | 1             | 1             |               | 2             |               | 1             |               | 2             | 2             | 2             | 2             |               | 1             |               |               | 1             | 1             | 1             | 1             |               |               |               |               | 2             | 1             |               |
| 399.0      |               |               | 1             |               | 2             |               |               | 1             | 2             | 1             | 2             | 2             |               | 1             | 1             |               | 1             | 1             | 1             | 1             |               | 1             |               |               | 2             | 2             | 2             |
| <b>QRG</b> | <b>AUS rw</b> | <b>CAN bt</b> | <b>CAN co</b> | <b>CAN ky</b> | <b>CAN sm</b> | <b>CAN vm</b> | <b>CHN h2</b> | <b>HWA mx</b> | <b>USA so</b> | <b>USA ac</b> | <b>USA bc</b> | <b>USA c9</b> | <b>USA cg</b> | <b>USA ch</b> | <b>USA ct</b> | <b>USA dn</b> | <b>USA dp</b> | <b>USA dt</b> | <b>USA du</b> | <b>USA fy</b> | <b>USA ge</b> | <b>USA jb</b> | <b>USA jc</b> | <b>USA mu</b> | <b>USA rt</b> | <b>USA sr</b> | <b>USA ws</b> |

**MOB:**

The following NDBs were heard by one reporter only - 'Mine Only Beacons' !  
 (Occasionally an entry may be the result of an incorrectly received ident)

| QRG   | ID  | Name                   | ITU | Reporter | UTC  |
|-------|-----|------------------------|-----|----------|------|
| 388.0 | 3Z  | Taber (Muni Apt)       | CAN | USA ch   | 1131 |
| 395.0 | 5V  | Drumheller             | CAN | CAN co   | 0947 |
| 385.0 | G   | Zhuhaizhou             | CHN | CHN h2   | 1739 |
| 387.0 | HG  | Unknown                | CHN | CHN h2   | 1736 |
| 388.0 | W   | Changsha / Huanghua    | CHN | CHN h2   | 1741 |
| 389.0 | H   | Haikou                 | CHN | CHN h2   | 1759 |
| 390.0 | LC  | Hongkong Airport       | CHN | CHN h2   | 1802 |
| 392.0 | WB  | Linru                  | CHN | CHN h2   | 1815 |
| 393.0 | KC  | LAIBIN                 | CHN | CHN h2   | 1810 |
| 395.0 | KG  | Longkou                | CHN | CHN h2   | 1820 |
| 398.0 | VQ  | DARONGJIANG            | CHN | CHN h2   | 1821 |
| 393.0 | KN  | Khon Kaen              | THA | CHN h2   | 1812 |
| 386.0 | BU  | Unknown                | XUA | CHN h2   | 1750 |
| 386.0 | SP  | St. Pierre             | SPM | USA jc   | 0157 |
| 395.0 | SL  | Brief Saranac Lake     | USA | USA jc   | 1010 |
| 389.0 | PLC | Port Lincoln           | AUS | AUS rw   | 0702 |
| 392.0 | MOR | Moree                  | AUS | AUS rw   | 1010 |
| 395.0 | CBA | Cobar                  | AUS | AUS rw   | 0906 |
| 398.0 | BOU | Boulia                 | AUS | AUS rw   | 1005 |
| 393.0 | UKS | Kosrae (Kosrae Island) | FSM | CAN sm   | 1000 |
| 389.0 | CP  | Lisboa / Caparica      | POR | CAN vm   | 2034 |

**FREQUENCIES REVISITED - Progress Statistics**

(Please see the explanation below)

THEN CLE211 - 385 - 399.9 kHz - 23.09 - 26.09.2016  
 NOW CLE224 - 385 - 399.9 kHz - 27.10. - 30.10.2017

| Listener   | Av km |      | Total km x |          | NDBs |     | Max km |      |
|------------|-------|------|------------|----------|------|-----|--------|------|
|            | THEN  | NOW  | 1000 THEN  | 1000 NOW | THEN | NOW | THEN   | NOW  |
| CAN, BC bt | 1370  | 1302 | 25         | 29       | 18   | 22  | 6533   | 2967 |
| CAN, BC sm | 1975  | 2168 | 85         | 115      | 43   | 53  | 6072   | 8375 |
| CAN, NS vm | 936   | 1613 | 12         | 47       | 13   | 29  | 3008   | 4456 |
| CAN, QC ky | 909   | 823  | 16         | 16       | 18   | 20  | 3084   | 1512 |
| HWA mx     | 5270  | 4687 | 47         | 47       | 9    | 10  | 9413   | 5668 |
| USA, AZ bc | 1935  | 1490 | 12         | 28       | 6    | 19  | 4684   | 2383 |

|                    |             |             |           |           |           |           |             |             |
|--------------------|-------------|-------------|-----------|-----------|-----------|-----------|-------------|-------------|
| USA, AZ sr         | 2274        | 2310        | 59        | 152       | 26        | 67        | 4795        | 5202        |
| USA, CA dn         | 2079        | 2151        | 35        | 54        | 17        | 25        | 5336        | 4188        |
| USA, CO ac         | 1370        | 1484        | 56        | 96        | 41        | 65        | 4391        | 4378        |
| USA, FL cg         | 1122        | 1058        | 7         | 2         | 6         | 2         | 1886        | 1579        |
| USA, IL dt         | 954         | 1126        | 52        | 86        | 55        | 77        | 3488        | 2827        |
| USA, IL fy         | 1011        | 1141        | 54        | 86        | 53        | 76        | 3304        | 3791        |
| USA, MO dp         | 1012        | 1048        | 56        | 66        | 55        | 64        | 3274        | 2811        |
| USA, NH jc         | 1078        | 1097        | 42        | 48        | 39        | 44        | 2815        | 3356        |
| USA, NJ ge         | 1212        | 802         | 11        | 8         | 9         | 10        | 2532        | 2050        |
| USA, TX ch         | 1790        | 1929        | 59        | 114       | 33        | 60        | 3981        | 4272        |
| USA, TX du         | 1384        | 1645        | 84        | 127       | 61        | 78        | 3532        | 5595        |
| USA, UT mu         | 793         | 1532        | 5         | 32        | 6         | 21        | 1432        | 3835        |
| USA, WA so         | 1690        | 1589        | 30        | 41        | 18        | 27        | 5969        | 3838        |
| <b>Averages:</b>   | <b>1588</b> | <b>1631</b> | <b>39</b> | <b>63</b> | <b>28</b> | <b>40</b> | <b>4186</b> | <b>3846</b> |
| <b>% Increase:</b> |             | <b>3</b>    |           | <b>60</b> |           | <b>46</b> |             | <b>-8</b>   |

| Listener           | Av km |             | Total km x 1000 |           | NDBs |           | Max km |             |
|--------------------|-------|-------------|-----------------|-----------|------|-----------|--------|-------------|
|                    | THEN  | NOW         | THEN            | NOW       | THEN | NOW       | THEN   | NOW         |
| AUS, SA rw         |       | 880         |                 | 4         |      | 4         |        | 1312        |
| CAN, BC co         |       | 1319        |                 | 28        |      | 21        |        | 3155        |
| CHN h2             |       | 675         |                 | 7         |      | 11        |        | 1356        |
| USA, CA c9         |       | 2258        |                 | 79        |      | 35        |        | 4327        |
| USA, MI ct         |       | 893         |                 | 26        |      | 29        |        | 1999        |
| USA, MI jb         |       | 835         |                 | 13        |      | 15        |        | 2014        |
| USA, NC ws         |       | 1040        |                 | 23        |      | 22        |        | 2548        |
| USA, WA rt         |       | 1771        |                 | 64        |      | 37        |        | 3827        |
| <b>Averages:</b>   |       | <b>1209</b> |                 | <b>30</b> |      | <b>22</b> |        | <b>2567</b> |
| <b>% Increase:</b> |       |             |                 |           |      |           |        |             |

Av. km = Average distance from listener to NDB for all their loggings  
Total km = Sum of distances from listener to NDBs for all their loggings  
NDBs = Number of NDBs logged  
Max km = Maximum distance from listener to an NDB logged  
(UNIDs are not included)

Explanation:

We ENJOY Listening Events, but their real value is to encourage us to improve our knowledge of our hobby, our listening techniques, our receivers and aerials, etc. Many of our CLEs re-use the same narrow range of frequencies after a year or so. This can provide each of us with an excellent way of measuring our personal progress by comparing our results THEN with our corresponding results NOW.

The lower 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.