

NDB LIST CLE No. 204 370 - 384.9 kHz 26 - 29 Feb. 2016, midday-midday local time

**COMBINED RESULTS
REST OF THE WORLD**

For overall statistics, please see the covering email.

Reporters:

| | | | |
|-----|----|----|---|
| AUS | TA | et | Edgar Twining, Moonah |
| CAN | BC | bt | Brian Butler, Kispiox |
| CAN | BC | sm | Steve McDonald, Mayne Island |
| CAN | NS | vm | Vernon Matheson, Truro |
| CAN | QC | g1 | Guillaume Perron, while at Brownsburg |
| HWA | | mx | Mike Tuggle, Kaneohe, Hawaii |
| NZL | | t7 | Tony Ward, While at Howick |
| USA | AZ | d4 | Dave Tomasko, While at Green Valley |
| USA | AZ | dl | Dave Hollander, Phoenix, Arizona |
| USA | AZ | sr | Steve Ratzlaff, Near Sahuarita, SE Arizona |
| USA | CA | c9 | Christoph Mayer, using remote Perseus at Stanford, CA |
| USA | CA | dn | Don Tomkinson, Upland |
| USA | CA | ir | Iden Rogers, Nr Grass Valley, 50 mi NNE of Sacramento |
| USA | CA | pa | Phil Atchley, Merced, Central California |
| USA | CO | ac | Anthony Casorso, Westminster |
| USA | FL | cg | Craig Cook, Oviedo |
| USA | IL | fy | Joe Farley, Downers Grove |
| USA | MA | hj | Jonathan Jesse, Plymouth |
| USA | MD | ri | Rich Dalton, 3m NW of Newark, DE |
| USA | MN | gs | George Sherman, Apple Valley |
| USA | NH | jc | John Collins, Charlestown |
| USA | NJ | ge | George Muha, Cream Ridge |
| USA | NJ | rs | Bill Riches, Cape May |
| USA | NY | ji | Jim Minor, Long Island |
| USA | TX | ch | Chuck Dobbins, Alpine |
| USA | TX | du | Douglas Springfield, New Chapel Hill, NE Texas |
| USA | UT | mu | Mark Moulding, Ogden, Northern UT |
| USA | WA | rt | Tom Rothlisberger, Brier |
| USA | WA | wo | Waldo "Skip" Magnuson, Spokane |

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 'at' symbol)

BEACONS HEARD:

Beacons are shown in kHz order within each Country and State/Province

The numbers shown within the table are the times in 'hh' UTC that the beacons were logged.
(e.g. 05 indicates logged between 05:00-05:59 UTC)
Any Offshore NDBs and UNIDs appear at the end of the list.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|----|-------|-----|----------------------|----|----|--|----|----|----|--|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| CAN | QC | 378 | RJ | Roberval | | | | 22 | 00 | | | | 03 | 08 | | | 07 | 04 | | 00 | 01 | 01 | 00 | 18 | | 00 | 01 | 04 | 10 | 06 | | | | | | |
| CAN | QC | 384 | F8 | Victoriaville | | | | 00 | 00 | | | | | | | | 06 | | 04 | | 04 | 01 | 23 | | 18 | | 01 | 01 | | 03 | 07 | | | 09 | | |
| CAN | SK | 372 | ZPA | Prince Albert | | | | 06 | | | | | | 07 | | | | 04 | | | 04 | | 06 | | | | | | | 10 | 03 | | | 08 | | |
| CAN | SK | 375 | BD | Moose Jaw Baldon | | | | 08 | | | | | | 08 | | | | | | | | | | | | | | | | | | | | 08 | | |
| CAN | SK | 384 | 3F | Ile a La Crosse | | | | 10 | | | | | 06 | 06 | | | | 03 | | | | | | | | | | | | 10 | 05 | | 08 | | | |
| CAN | YT | 378 | ZFA | Faro | | 14 | | 08 | | | | | 07 | 10 | | 07 | 05 | 07 | | | | | | | | | | | | 10 | 06 | | 09 | | | |
| CUB | - | 370 | UMC | Camaguey | | | | | | | | | 05 | | | | 07 | 08 | | | | | | | 03 | | | | | 10 | 04 | | | | | |
| CUB | - | 382 | UCC | Jardines del Rey | | | | | | | | | 05 | | | | 06 | | | | | 03 | | | 03 | | | | | 09 | | | 03 | | | |
| FSM | - | 375 | TKK | Weno Island | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GRL | - | 372 | OZN | Prins Christian Sund | | | | 02 | | | | | | | | | | | | | | 02 | | | | | | | | | | | | | | |
| GRL | - | 382 | SF | Sondre Stromfjord. | | | | | | | | | | | | | | | | | | 01 | | | | | | | | | | | | | | |
| HWA | - | 373 | HHI | Wahiawa | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INS | - | 375 | OJ | Hasanuddin | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NZL | - | 378 | HL | Henley Dunedin | 03 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NZL | - | 382 | WU | Wanganui | 09 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| OCE | - | 377.5 | MO | Teavaro Moorea Is | | | | | | | | | | 08 | | | | | | | | | | | | | | | | | | | | | | |
| PLW | - | 371 | ROR | Koror Babelthuap Is. | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| POR | - | 382 | LAR | Arruda | | | | 04 | | | | | | | | | | | | | | 01 | | | | | | | | | | | | | | |
| TRD | - | 382 | TRI | Port of Spain | | | | 01 | 06 | | | | | | | | | | | | | | | | 02 | | | | | | | | | | | |
| USA | AR | 375 | DS | Searcy | | | | | 06 | | | | 04 | | | | 05 | 01 | | 00 | 03 | | | | 05 | | | | | 05 | 03 | | | | | |
| USA | CA | 370 | PAI | Pacoima | | | | 06 | | | | | 02 | 09 | 12 | 06 | 04 | 09 | | | | | | | | | | | | 12 | | | | | | |
| USA | CA | 371 | UK | Laughlin Ukiah | | | | 11 | | | | | 04 | 08 | 04 | 00 | 03 | | | | | | | | | | | | | | | | | | | |
| USA | CA | 374 | LV | Livermore Reiga | | | | 06 | | | | | 04 | 08 | 04 | 00 | 02 | 04 | | | | | | | | | | | | 10 | 06 | 04 | 09 | | | |
| USA | GA | 370 | VOF | Covington | | | | | | | | | | | | | | | 09 | 03 | | | | 03 | | | | | | | | | | 09 | | |
| USA | GA | 372 | UQN | Vidalia | | | | | | | | | 05 | | | | | 06 | 09 | 04 | 02 | 01 | | 03 | 03 | 11 | | | 02 | 03 | | | | | | |
| USA | GA | 376 | BHC | Baxley | | | | | | | | | 04 | | | | | 07 | 08 | 02 | 02 | | 02 | | 02 | 03 | 11 | 04 | 02 | 03 | | | | | | |
| USA | GA | 379 | ML | Milledgeville | | | | | | | | | | | | | | | | | | | | | 10 | | | | | | | | | | | |
| USA | GA | 380 | UMB | Milledgeville | | | | | | | | | | | | | | 06 | | 02 | 01 | 01 | | 02 | 03 | 07 | 04 | | | | | 03 | | | | |
| USA | ID | 383 | PI | Pocatello | | | | 10 | | | | | 01 | 08 | 04 | 02 | 02 | 01 | | | | | | | | | | | | 10 | 03 | 05 | 08 | | | |
| USA | IL | 375 | LQ | Springfield | | | | | | | | | | | | | | | | | | | | 18 | | | | | | | | | | | | |
| USA | IL | 379 | UG | Waukegan | | | | | 06 | | | | | | | | | | | | | | 18 | | | | | | | | | | | 03 | | |
| USA | IL | 382 | MW | Marion | | | | | | | | | | | | | | 03 | 19 | | 03 | | | 05 | 03 | | | | 03 | 03 | | | | | | |
| USA | IL | 382 | SP | Springfield | | | | 06 | 02 | 01 | | | 03 | 07 | | | 06 | 02 | 18 | 01 | 02 | 20 | 02 | 03 | 03 | 03 | 04 | 10 | 02 | | | | | | | |
| USA | KS | 374 | HY | Hays | | | | 09 | | | | | 01 | 09 | 07 | | 06 | 00 | | 03 | | | 06 | 04 | | | | | 04 | 03 | | | | | | |
| USA | KS | 377 | EHA | Elkhart | | | | 09 | | | | | 01 | 08 | 05 | 04 | 04 | 00 | 00 | 00 | | | | | | | | | | | | | | 05 | 03 | |
| USA | KS | 380 | OEL | Oakley | | | | 10 | | | | | 03 | 08 | 08 | | 05 | 00 | | | | | | | | | | | | | | | | 12 | 03 | |
| USA | KS | 383 | LB | Liberal | | | | | | | | | | | 10 | | | | | | | | | | | | | | | | | | | | | |
| USA | LA | 375 | LF | Lafayette | | | | | | | | | | | | | | 06 | | | | | | | | | | | | | | | | | 10 | 09 |
| USA | LA | 375 | SPH | Springhill | | | | 09 | | | | | 01 | | | | | 02 | | 04 | | | | 06 | 05 | | | | | 05 | 22 | | | | | |
| USA | LA | 379 | LRR | Oakdale | | | | | | | | | 01 | 06 | 07 | | 05 | 01 | | 00 | | | | | | | | | | 10 | 23 | | | | | |
| USA | MI | 371 | AZ | Vicksburg Kalamazoo | | | | | | | | | | | | | | | | | 04 | | | 03 | | | | | | | | | | | | |
| USA | MI | 375 | GL | Gaylord | | | | | 07 | | | | | | | | | | | | | 00 | | | | | | | | | | | | | | |
| USA | MI | 375 | OGM | Ontonagon | | | | | | | | | | | | | | | | | | 01 | | | | | | | | | | | | | | |
| USA | MI | 381.5 | SJX | Beaver Is. | | | | 08 | 01 | 00 | | | 03 | | | | 07 | 01 | 18 | 01 | | | 05 | 02 | 03 | 03 | | | 10 | 05 | | | | | | |
| USA | MI | 382 | IRS | Sturgis | | | | | 01 | | | | 06 | | | | | 03 | 18 | | | 03 | 05 | 02 | 02 | 03 | | | 10 | 02 | | | | | | |
| USA | MN | 371 | MD | Bemidji | | | | | | | | | 06 | | | | | 04 | 03 | | | | 06 | | | | | | | | | | | 02 | 09 | |
| USA | MN | 374 | EE | Alexandria | | | | 08 | | 03 | | | 07 | | | | | 01 | 02 | | | | | | | | | | | | | | | | 10 | 03 |
| USA | MN | 379 | DL | Duluth | | | | 07 | | 01 | | | 03 | 08 | 06 | | 07 | 01 | 00 | 01 | | | 18 | 02 | 03 | | | 04 | 03 | 04 | 08 | | | | | |
| USA | MO | 371 | PUR | Marshall | | | | 06 | 06 | 05 | | | 01 | | | | | 01 | | 18 | 03 | 03 | 19 | 03 | 03 | 06 | | | 04 | 08 | | | | | | |
| USA | MS | 375 | RYB | Raymond | | | | | | | | | | | | | | 07 | | 03 | | | | | | | | | | | | | | | 04 | |
| USA | MT | 371 | ITU | Truly Great Falls | | | | 06 | | | | | 08 | 11 | 04 | 02 | 02 | 01 | | | | | 06 | | | | | | 10 | 08 | 05 | 08 | 18 | | | |
| USA | NC | 370 | MQI | Manteo | | | | | 00 | 01 | | | | | | | | 06 | | 02 | 00 | 02 | | 02 | 01 | 00 | | | | | | | | 08 | | |
| USA | NC | 379 | BRA | Asheville | | | | 08 | 02 | 00 | | | 03 | | | | | 03 | 10 | 01 | 01 | 22 | 05 | 02 | 00 | 01 | 04 | 02 | 03 | | | | | | | |
| USA | NC | 384 | JB | Lumberton | | | | | | | | | | | | | | | | | | | | | 10 | | | | | | | | | | | |
| USA | NE | 377 | BUB | Burwell | | | | 08 | | | | | 05 | 01 | 08 | 06 | | 07 | | 00 | | | | 19 | 04 | | | | 04 | 03 | | | | 11 | | |

| Cou | St | kHz | Call | Location | AUS TA et | CAN BC bt | CAN BC sm | CAN NS vm | CAN QC g1 | HWA mx | NZL t7 | USA AZ d4 | USA AZ dl | USA AZ sr | USA CA c9 | USA CA dn | USA CA ir | USA CA pa | USA CO ac | USA FL cg | USA IL fy | USA MA hj | USA MD ri | USA MN gs | USA NH jc | USA NJ ge | USA NJ rs | USA NY ji | USA TX ch | USA TX du | USA UT mu | USA WA rt | USA WA wo | |
|-----|----|-----|------|-----------------------------|-----------|-----------|-----------|-----------|-----------|--------|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| USA | NE | 380 | GR | Grand Island | | | | | | | | | | | 07 | | | | | | | | | | | | | | | | | | | |
| USA | NE | 383 | CNP | Chappell Billy G Ray Field. | | | 07 | | 05 | | 12 | 05 | 02 | 08 | 04 | 03 | 06 | 00 | | | 03 | | | 05 | 04 | | 00 | 01 | 04 | 04 | 02 | 11 | 08 | |
| USA | OH | 376 | LC | Columbus | | | 07 | 01 | 00 | | | | 04 | 10 | | | 05 | 02 | 10 | 18 | 00 | | 02 | 05 | 02 | | | | | | | | | |
| USA | OH | 379 | MDE | Cincinnati | | | | | | | | | | | | | | | | 01 | 00 | | 02 | 05 | 04 | | | | | | | | | |
| USA | OR | 373 | MF | Medford Table Rock | | | 05 | | | | | | 04 | 08 | 05 | 02 | 03 | 08 | | | | | | | | | | | 12 | 06 | 04 | 08 | | |
| USA | OR | 378 | OT | North Bend | | | 07 | | | 08 | | | 04 | 08 | 05 | 02 | 02 | 06 | | | | | | | | | | | 06 | 05 | 08 | | | |
| USA | PA | 372 | CQD | Erie | | | | 23 | 01 | | | | | | | | | | | 01 | 01 | | | | 02 | | | | | | | | | |
| USA | SC | 370 | HYW | Conway | | | | | | | | | | | | | | | | 09 | 03 | 02 | 01 | | 10 | | | | 03 | 08 | | | | |
| USA | SC | 381 | MNI | Manning | | | | | 04 | | | | 06 | | | | | | 05 | 03 | 01 | 02 | 02 | 02 | | 01 | 04 | 02 | 03 | | | | | |
| USA | TN | 371 | FQW | Murfreesboro | | | | | | | | | | | 07 | | | | | 09 | 01 | 02 | 02 | 03 | | 03 | | 04 | 03 | 08 | | | | |
| USA | TX | 371 | HNO | Henderson | | | | | | | | | | | 07 | | | | | | | | | | | | | | | | | | | |
| USA | TX | 371 | SOA | Sonora | | | | | | | 12 | | 01 | | 08 | | 04 | | | | | | | | | | | | 04 | 04 | | | | |
| USA | TX | 375 | PSN | Palestine | | | | | | | 12 | | 01 | 07 | 05 | | 06 | 01 | | | 01 | | | | | | | | 04 | 22 | | | | |
| USA | TX | 380 | BBD | Brady | | | 05 | 08 | 05 | | 04 | 04 | 01 | 08 | 04 | 05 | 03 | 01 | | 00 | | | | 05 | 04 | | | | 04 | 23 | 04 | 08 | | |
| USA | VA | 373 | AEA | South Hill | | | | | 01 | 01 | | | 06 | | | | | | 06 | 09 | 04 | 00 | 01 | 02 | 02 | 00 | 01 | 04 | 10 | 03 | | | | |
| USA | VA | 375 | PJS | Newport News | | | | | 01 | 07 | | | | | | | | | | | 03 | 00 | 02 | 02 | | 01 | 01 | | | | | | | |
| USA | VA | 375 | SH | Staunton Verona | | | | | | | | | | | | | | | | | 02 | 02 | 02 | 02 | | 03 | | | | | | | | |
| USA | VT | 382 | BT | Burlington | | | | 01 | 00 | | | | | | | | | | | | 03 | 02 | 02 | 18 | | | | | | | | | | |
| USA | WA | 371 | YK | Yakima Donny. | | | 06 | | | | | | 06 | 08 | 05 | 05 | 04 | 09 | | | | | | | | | | | 12 | 04 | 19 | | | |
| USA | WA | 382 | AW | Arlington Marysville | | | 08 | | | | | | | 08 | | 05 | 06 | | | | | | | | | | | | | | 03 | | 19 | |
| USA | WI | 371 | PKF | Park Falls | | | | | | | | | | | | | | | | | 20 | | | | | | | | | | 03 | | | |
| USA | WI | 371 | RYV | Watertown | | | | 04 | 00 | | | | 04 | | | | | | | 11 | 18 | 01 | | 19 | | | | 02 | 08 | | | | | |
| USA | WI | 382 | PCZ | Waupaca | | | | | 03 | | | | | | | | 04 | | | | 18 | | | 05 | 02 | | | | 03 | | | | | |
| USA | WY | 375 | CP | Casper | | | 07 | | | | | | 04 | 08 | 08 | 07 | 04 | 01 | | | | | | | | | | 02 | 09 | 04 | 05 | | | |
| USA | WY | 380 | GC | Gillette | | | 08 | | 06 | | 04 | 05 | 01 | 08 | 04 | 02 | 03 | 01 | | | | | 05 | | | | | 09 | 03 | 05 | 08 | | | |
| XUN | - | 384 | WR | (UNID) | | | | | | | | | | | | | | | | | | | 01 | | | | | | | | | | | |

COUNTRIES and STATES / PROVINCES HEARD: Shows the number of NDBs in each radio country that were logged by each reporter.

| Cou | Country | St | AUS TA et | CAN BC bt | CAN BC sm | CAN NS vm | CAN QC g1 | HWA mx | NZL t7 | USA AZ d4 | USA AZ dl | USA AZ sr | USA CA c9 | USA CA dn | USA CA ir | USA CA pa | USA CO ac | USA FL cg | USA IL fy | USA MA hj | USA MD ri | USA MN gs | USA NH jc | USA NJ ge | USA NJ rs | USA NY ji | USA TX ch | USA TX du | USA UT mu | USA WA rt | USA WA wo | | |
|-----|-------------------|----|-----------|-----------|-----------|-----------|-----------|--------|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---|---|
| ALS | Alaska (US State) | - | | | 3 | | | | 2 | | | | 1 | | | 1 | | | | | | | | | | | | | | | | | 1 |
| AUS | Australia | NN | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AUS | Australia | NW | 5 | | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| AUS | Australia | QD | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AUS | Australia | SA | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AUS | Australia | TA | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AUS | Australia | VI | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AUS | Australia | WE | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| AZR | Azores | - | | | | 1 | 1 | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | | | |
| BAH | Bahamas | - | | | 1 | 1 | 1 | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| BRA | Brasil | - | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAN | Canada | AB | | | 1 | | | | | | | | 1 | 1 | | 1 | 1 | 1 | 1 | | | | 1 | | | | | 1 | 1 | | | 1 | |
| CAN | Canada | BC | | | 2 | 4 | | | 1 | | | | 3 | 4 | 4 | 4 | 4 | 1 | | | | | | | | | | 2 | 2 | 4 | 4 | 1 | |
| CAN | Canada | MB | | | | 2 | | | | | | | 1 | | 1 | | 2 | 2 | | 2 | | | 2 | | | | 2 | 2 | | | 1 | | |
| CAN | Canada | NL | | | | | 2 | 1 | | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| CAN | Canada | NT | | | 1 | 1 | | | 1 | | | | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | 1 | 1 | | | | 1 | |

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|-----|---------------------|----|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| CAN | Canada | NU | 1 | 2 | | | | | | | | 1 | 2 | 2 | 1 | | | | | | | | 2 | 2 | | | 1 | |
| CAN | Canada | ON | | 1 | 6 | 7 | | 1 | 3 | 2 | 2 | 1 | 3 | 4 | 1 | 7 | 6 | 5 | 4 | 6 | | 5 | 4 | 4 | 3 | 7 | 1 | 2 |
| CAN | Canada | QC | | 1 | 5 | 5 | | | 3 | 3 | 1 | | 3 | 4 | | 5 | 6 | 5 | 2 | 6 | | 5 | 4 | 1 | 5 | 6 | | 1 |
| CAN | Canada | SK | | 3 | | | | | 2 | 2 | | | 2 | 2 | | 1 | | | 1 | | | | | 2 | 2 | | | 3 |
| CAN | Canada | YT | 1 | 1 | | | | | 1 | 1 | | 1 | 1 | | | | | | | | | | | 2 | 2 | | 1 | 1 |
| CUB | Cuba | - | | | | | | | 2 | | | | 2 | 1 | | | | | 2 | | | | 1 | 1 | 2 | | | |
| FSM | Micronesia | - | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| GRL | Greenland | - | | | 1 | | | | | | | | | | | | 2 | | | | | | | | | | | |
| HWA | Hawaii (US State) | - | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| INS | Indonesia | - | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| NZL | New Zealand | - | 2 | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| OCE | Society Is.(Tahiti) | - | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| PLW | Palau | - | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| POR | Portugal | - | | | 1 | | | | | | | | | | | | | | | | 1 | | | | | | | |
| TRD | Trinidad & Tobago | - | | | 1 | 1 | | | | | | | | | | | | | | | | | | 1 | | | | |
| USA | USA | AR | | | 1 | | | | 1 | | | | 1 | 1 | | 1 | | | | | 1 | | | 1 | 1 | | | |
| USA | USA | CA | | 3 | | | | | 3 | 3 | 3 | 3 | 3 | 2 | | | | | | | | | | 3 | 1 | 1 | 1 | |
| USA | USA | GA | | | | | | | 2 | | | | 1 | 3 | 3 | 4 | 3 | 2 | | 4 | | 4 | 3 | 2 | 2 | 4 | | |
| USA | USA | ID | | 1 | | | | | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | 1 | 1 | 1 | | 1 |
| USA | USA | IL | | 1 | 1 | 2 | | | 1 | 1 | | | 1 | 2 | | 4 | 2 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 2 | 3 | | |
| USA | USA | KS | | 3 | | | | 2 | 1 | 3 | 2 | 4 | 1 | 3 | 3 | 2 | | | 1 | 2 | | | | | 3 | 3 | | |
| USA | USA | LA | | 1 | | | | | 2 | 1 | 1 | | 1 | 3 | | 2 | | | | | | 1 | 1 | | 3 | 3 | | |
| USA | USA | MI | | 1 | 2 | 2 | | | 2 | | | | 1 | 2 | | 5 | 1 | 1 | 2 | 3 | 2 | 2 | 2 | | 2 | 2 | | |
| USA | USA | MN | | 2 | | 2 | | | 3 | 1 | 1 | | 1 | 3 | | 3 | 1 | 1 | | 3 | 1 | 1 | | 3 | 3 | 1 | 1 | |
| USA | USA | MO | | 1 | 1 | 1 | | | 1 | | | | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | |
| USA | USA | MS | | | | | | | | | | | | 1 | | 1 | | | | | | | | | 1 | 1 | | |
| USA | USA | MT | | 1 | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | | | | 1 | | | | 1 | 1 | 1 | 1 | 1 |
| USA | USA | NC | | 1 | 2 | 2 | | | 1 | | | | 1 | 2 | 1 | 2 | 2 | 2 | 1 | 3 | 2 | 2 | 2 | 1 | 1 | 2 | | |
| USA | USA | NE | | 2 | | 1 | | 1 | 2 | 2 | 2 | 3 | 1 | 2 | 2 | | 2 | | 2 | 2 | | | | 2 | 2 | 2 | 2 | 1 |
| USA | USA | OH | | 1 | 1 | 1 | | | 1 | 1 | | | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|---------|----|-----------|-----------|-----------|-----------|-----------|--------|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---|---|---|--|--|
| USA | USA | OR | | | 2 | | | 1 | | | | 2 | 2 | 2 | 2 | 2 | 2 | | 1 | 1 | | | | | | | | | | | 1 | 2 | 2 | 2 | | |
| USA | USA | PA | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| USA | USA | SC | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| USA | USA | TN | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| USA | USA | TX | | | 1 | 1 | 1 | | | | 3 | 1 | 3 | 2 | 4 | 1 | 3 | | | | | | | | | | | | | | | | | | | |
| USA | USA | VA | | | | | 2 | 2 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| USA | USA | VT | | | | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| USA | USA | WA | | | 2 | | | | | | | | 1 | 2 | 1 | 2 | 2 | | | | | | | | | | | | | | | | | | | |
| USA | USA | WI | | | | | 1 | 2 | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| USA | USA | WY | | | 2 | | | | | | 1 | 1 | 2 | 2 | 2 | 2 | 2 | | | | | | | | | | | | | | | | | | | |
| XUN | UNID | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cou | Country | St | AUS TA et | CAN BC bt | CAN BC sm | CAN NS vm | CAN QC g1 | HWA mx | NZL t7 | USA AZ d4 | USA AZ dl | USA AZ sr | USA CA c9 | USA CA dn | USA CA ir | USA CA pa | USA CO ac | USA FL cg | USA IL fy | USA MA hj | USA MD ri | USA MN gs | USA NH jc | USA NJ ge | USA NJ rs | USA NY ji | USA TX ch | USA TX du | USA UT mu | USA WA rt | USA WA ro | | | | | |

LISTENING TIMES: Shows the number of NDBs logged by each reporter during the time periods shown.

| UTC (hh) | AUS TA et | CAN BC bt | CAN BC sm | CAN NS vm | CAN QC g1 | HWA mx | NZL t7 | USA AZ d4 | USA AZ dl | USA AZ sr | USA CA c9 | USA CA dn | USA CA ir | USA CA pa | USA CO ac | USA FL cg | USA IL fy | USA MA hj | USA MD ri | USA MN gs | USA NH jc | USA NJ ge | USA NJ rs | USA NY ji | USA TX ch | USA TX du | USA UT mu | USA WA rt | USA WA ro | | | | | | | |
|---------------|-----------|-----------|-----------|-----------|-----------|--------|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|--|--|--|--|---|--|
| 00:00 - 00:59 | | | | 3 | 16 | | | | | | | | 2 | | 5 | | 13 | 8 | | 1 | | 8 | 1 | | | | | | | | | | | | | |
| 01:00 - 01:59 | | | | 8 | 5 | | | | | 13 | | | | | 16 | | 12 | 20 | | 10 | 1 | 7 | 8 | | | | | | | | | | | | | |
| 02:00 - 02:59 | | | | 3 | | | | | | 2 | | | 6 | 4 | 3 | | 4 | 8 | 14 | | 27 | 1 | | | 10 | 4 | 1 | | | | | | | | | |
| 03:00 - 03:59 | 1 | | | | 4 | | | | | | | 1 | 5 | 6 | 6 | | 8 | 5 | 2 | | 8 | 12 | | | 3 | 1 | 6 | 29 | | | | | | | | |
| 04:00 - 04:59 | | | | 3 | 2 | | | 4 | 1 | 14 | | 8 | 3 | 8 | 10 | | 7 | | | | 5 | | | 1 | 12 | 9 | 6 | 11 | 6 | | | | | | | |
| 05:00 - 05:59 | | | 8 | 4 | | | | 6 | | 6 | | 7 | 5 | 8 | 1 | | 1 | | | 11 | 4 | | | 1 | | 5 | 4 | 7 | 1 | | | | | | | |
| 06:00 - 06:59 | | | 8 | 1 | 5 | | | | | 6 | 3 | 5 | 3 | 13 | 7 | | | | | | 10 | | | 2 | | 2 | 7 | 1 | | | | | | | | |
| 07:00 - 07:59 | | 1 | 6 | | 2 | | | | | 6 | 2 | 5 | 3 | 7 | 5 | | 1 | | | | | | 3 | | | 1 | | 1 | | | | | | | | |
| 08:00 - 08:59 | 3 | | 13 | 1 | | 6 | | | | | 25 | 6 | | 1 | 3 | 2 | 1 | | | | | 1 | | | | | | | | | | | | | | |
| 09:00 - 09:59 | 11 | 3 | 3 | | | | 1 | | | | 1 | | | 2 | 2 | 5 | | | | | | | 1 | | | 1 | | 6 | 13 | | | | | | | |
| 10:00 - 10:59 | 1 | | 5 | | | | 2 | | | | 4 | 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| 11:00 - 11:59 | | | 2 | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12:00 - 12:59 | | | | | | | | 4 | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| 13:00 - 13:59 | 2 | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14:00 - 14:59 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15:00 - 15:59 | 3 | 1 | | | | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16:00 - 16:59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17:00 - 17:59 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18:00 - 18:59 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19:00 - 19:59 | | | | | | | | | | | | | | | | | | 9 | | | 3 | 3 | | | | | | | | | | | | | 2 | |
| 20:00 - 20:59 | | | | | | | | | | | | | | | | | 1 | | | | 4 | | | | | | | | | | | | | | 5 | |
| 22:00 - 22:59 | | | | 8 | | | | | | | | | | | | | 2 | | | | 1 | | | | | | | | | | | | | | | |
| 23:00 - 23:59 | | | | 5 | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Totals: | 28 | 5 | 45 | 32 | 38 | 8 | 3 | 8 | 7 | 53 | 38 | 34 | 23 | 48 | 59 | 10 | 59 | 41 | 28 | 30 | 50 | 30 | 22 | 13 | 59 | 75 | 17 | 29 | 2 | | | | | | | |

NDB COUNTS, BY FREQUENCY:

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

| NDBs | kHz | AUS TA et | CAN BC bt | CAN BC sm | CAN NS vm | CAN QC g1 | HWA mx | NZL t7 | USA AZ d4 | USA AZ dl | USA AZ sr | USA CA c9 | USA CA dn | USA CA ir | USA CA pa | USA CO ac | USA FL cg | USA IL fy | USA MA hj | USA MD ri | USA MN gs | USA NH jc | USA NJ ge | USA NJ rs | USA NY ji | USA TX ch | USA TX du | USA UT mu | USA WA rt | USA WA wo |
|------|-------|--------------|--------------|--------------|--------------|--------------|-----------|-----------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| 6 | 370 | | | 2 | 1 | 2 | | | | | 3 | 1 | 2 | 1 | 3 | 4 | 2 | 4 | 2 | 2 | 1 | 4 | 1 | 1 | | 4 | 5 | | 1 | |
| 16 | 371 | 4 | | 5 | 3 | 3 | 2 | 1 | 2 | 1 | 8 | 4 | 7 | 3 | 5 | 6 | 1 | 7 | 4 | 3 | 6 | 5 | 3 | 2 | | 9 | 9 | 2 | 3 | 1 |
| 7 | 372 | 2 | 1 | 2 | 2 | 1 | | | | | 2 | | | | 2 | 3 | 1 | 4 | 3 | 1 | 1 | 2 | 2 | 1 | | 3 | 4 | | 2 | |
| 6 | 373 | | | 1 | 4 | 3 | 1 | | | | 3 | 2 | 1 | 1 | 2 | 3 | 1 | 3 | 3 | | 3 | 3 | 3 | 2 | 1 | 4 | 4 | 1 | 1 | |
| 9 | 374 | 5 | 1 | 4 | | 1 | | | | | 4 | 2 | 3 | 2 | 3 | 4 | | 2 | | | 2 | 1 | | | 4 | 4 | 2 | 2 | 1 | |
| 19 | 375 | 2 | 1 | 5 | 3 | 4 | 1 | | 1 | | 6 | 4 | 3 | 2 | 5 | 9 | | 10 | 5 | 3 | 3 | 6 | 3 | 2 | 1 | 8 | 11 | 1 | 3 | |
| 5 | 376 | | | 4 | 2 | 3 | 1 | | | | 4 | 3 | 2 | 2 | 3 | 4 | 3 | 4 | 4 | 2 | 3 | 4 | 3 | 3 | 3 | 4 | 4 | | 2 | |
| 9 | 377 | 6 | | 2 | 1 | 1 | | | 1 | 2 | 2 | 2 | 2 | 1 | 3 | 3 | | 3 | 1 | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 3 | 1 | | |
| 1 | 377.5 | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 7 | 378 | 1 | 1 | 4 | 2 | 2 | 1 | | | | 4 | 4 | 2 | 3 | 4 | 4 | | 2 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 5 | 2 | 3 | |
| 9 | 379 | | | 4 | 2 | 4 | | | | | 4 | 3 | 2 | 1 | 3 | 5 | 1 | 6 | 3 | 3 | 3 | 4 | 4 | 2 | 2 | 4 | 7 | 1 | 2 | |
| 9 | 380 | 3 | | 3 | 2 | 3 | | 1 | 3 | 2 | 3 | 3 | 4 | 2 | 3 | 4 | | 3 | 2 | 1 | 2 | 4 | 1 | 1 | 1 | 3 | 4 | 2 | 2 | |
| 1 | 381 | | | | | 1 | | | | | 1 | | | | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | | | | |
| 1 | 381.5 | | | 1 | 1 | 1 | | | | | 1 | | | | 1 | 1 | | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | | | | |
| 17 | 382 | 1 | 1 | 5 | 8 | 7 | 2 | 1 | | 1 | 5 | 6 | 3 | 3 | 8 | 5 | 1 | 7 | 8 | 5 | 4 | 9 | 5 | 4 | 2 | 5 | 9 | 3 | 5 | |
| 7 | 383 | 4 | | 2 | | 1 | | | 1 | 1 | 2 | 2 | 3 | 2 | 2 | 2 | | 1 | | | 1 | 1 | | | 2 | 2 | 2 | 2 | 2 | |
| 4 | 384 | | | 1 | 1 | 1 | | | | | 1 | 1 | | | 1 | | | 1 | 1 | 2 | | 2 | 1 | 1 | | 2 | 2 | | 1 | |

MOBs

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

| kHz | C/S | Location | St | ITU | Rptr | UTC |
|-------|-----|-----------------------|----|-----|------|-------|
| 377.5 | MO | Teavaro Moorea Is | - | OCE | c9 | 08:42 |
| 383 | LB | Liberal | KS | USA | dn | 10:58 |
| 380 | GR | Grand Island | NE | USA | dn | 07:09 |
| 375 | TKK | Weno Island | - | FSM | et | 15:56 |
| 375 | OJ | Hasanuddin | - | INS | et | 15:10 |
| 378 | HL | Henley Dunedin | - | NZL | et | 03:56 |
| 371 | ROR | Koror Babelthuap Is. | - | PLW | et | 14:27 |
| 372 | WAY | Wallaby Alice Springs | NN | AUS | et | 13:38 |
| 380 | GV | Gove | NN | AUS | et | 13:40 |
| 377 | VRD | Victoria River Downs | NN | AUS | et | 17:09 |
| 380 | COR | Corowa | NW | AUS | et | 09:09 |
| 374 | WJS | Wee Jasper | NW | AUS | et | 09:10 |

| | | | | | | |
|-----|-----|-------------------|----|-----|----|-------|
| 383 | BTH | Bathurst | NW | AUS | et | 09:31 |
| 374 | WLG | Walgett | NW | AUS | et | 09:54 |
| 377 | ROM | Roma | QD | AUS | et | 09:30 |
| 383 | SGE | St George | QD | AUS | et | 09:32 |
| 374 | BML | Bromelton | QD | AUS | et | 09:57 |
| 377 | WP | Weipa | QD | AUS | et | 14:42 |
| 377 | MBY | Modbury | SA | AUS | et | 10:05 |
| 371 | WHA | Whyalla | SA | AUS | et | 17:08 |
| 374 | TTR | Tea Tree | TA | AUS | et | 08:18 |
| 383 | WON | Wonthaggi | VI | AUS | et | 08:17 |
| 377 | EPP | Epping Melbourne | VI | AUS | et | 08:18 |
| 372 | GIG | Gingin | WE | AUS | et | 14:45 |
| 377 | LEO | Leonora | WE | AUS | et | 14:56 |
| 374 | TEF | Telfer | WE | AUS | et | 15:48 |
| 383 | WLU | Wiluna | WE | AUS | et | 18:59 |
| 375 | LQ | Springfield | IL | USA | fy | 18:29 |
| 375 | OGM | Ontonagon | MI | USA | fy | 01:48 |
| 379 | ML | Milledgeville | GA | USA | ge | 10:01 |
| 382 | SF | Sondre Stromford. | - | GRL | hj | 01:26 |
| 384 | JB | Lumberton | NC | USA | jc | 10:29 |
| 373 | HHI | Wahiawa | - | HWA | mx | 08:49 |
| 384 | WR | (UNID) | - | XUN | ri | 01:50 |
| 379 | IWW | Kenai | - | ALS | sm | 11:00 |
| 375 | CUB | Corumba (MS) | - | BRA | vm | 04:08 |
| 373 | 1A | Williams Harbour | NL | CAN | vm | 22:31 |

FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

THEN: CLE188 370 - 384.9 kHz 21 - 24 Nov 2014
 NOW: CLE204 370 - 384.9 kHz 26 - 29 Feb 2016

| Listener | Av km | Av km | Total | Total | NDBs | NDBs | Max | Max |
|-----------|-------|-------|----------------------|---------------------|------|------|------------|-----------|
| | THEN | NOW | km x 1000 THEN | km x 1000 NOW | THEN | NOW | km THEN | km NOW |
| CAN BC bt | | 889 | | 4 | | 5 | | 1522 |
| CAN QC g1 | | 1302 | | 49 | | 38 | | 4104 |
| NZL t7 | | 1619 | | 5 | | 3 | | 2302 |
| USA AZ d4 | | 1284 | | 10 | | 8 | | 1715 |
| USA AZ sr | | 2237 | | 119 | | 53 | | 3993 |
| USA CA c9 | | 2233 | | 85 | | 38 | | 6756 |
| USA IL fy | | 1011 | | 60 | | 59 | | 3317 |
| USA MD ri | | 897 | | 24 | | 27 | | 2095 |
| USA MN gs | | 966 | | 29 | | 30 | | 3197 |
| USA NY jj | | 1054 | | 14 | | 13 | | 2191 |
| USA WA wo | | 367 | | 1 | | 2 | | 455 |
| Averages: | | 1260 | | 36 | | 25 | | 2877 |

| 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 |
|--------------------|---------------|--------------|-------------------------------|------------------------------|--------------|-------------|-------------------|------------------|
| AUS TA et | 1766 | 2289 | 39 | 64 | 22 | 28 | 5734 | 5734 |
| CAN BC sm | 1722 | 1851 | 67 | 83 | 39 | 45 | 5353 | 5353 |
| CAN NS vm | 1449 | 1958 | 30 | 63 | 21 | 32 | 2878 | 7187 |
| HWA mx | 4564 | 4669 | 37 | 37 | 8 | 8 | 8603 | 7855 |
| USA AZ dl | 1566 | 1483 | 17 | 10 | 11 | 7 | 3579 | 2657 |
| USA CA dn | 1665 | 1914 | 30 | 65 | 18 | 34 | 4536 | 4536 |
| USA CA ir | 1147 | 1468 | 22 | 34 | 19 | 23 | 2351 | 4930 |
| USA CA pa | 2112 | 2273 | 91 | 109 | 43 | 48 | 6577 | 4842 |
| USA CO ac | 1400 | 1715 | 69 | 101 | 49 | 59 | 3638 | 3638 |
| USA FL cg | 1008 | 962 | 19 | 10 | 19 | 10 | 2641 | 2641 |
| USA MA hj | 1356 | 1563 | 52 | 64 | 38 | 41 | 3543 | 5106 |
| USA NH jc | 1176 | 1457 | 41 | 73 | 35 | 50 | 3786 | 3786 |
| USA NJ ge | 917 | 1001 | 23 | 30 | 25 | 30 | 2134 | 2134 |
| USA NJ rs | 963 | 1035 | 15 | 23 | 16 | 22 | 2021 | 2021 |
| USA TX ch | 1788 | 2151 | 86 | 127 | 48 | 59 | 3476 | 4511 |
| USA TX du | 1497 | 1791 | 99 | 134 | 66 | 75 | 4217 | 4287 |
| USA UT mu | 1005 | 1102 | 21 | 19 | 21 | 17 | 2096 | 2096 |
| USA WA rt | 1422 | 1498 | 43 | 43 | 30 | 29 | 5246 | 5246 |
| Averages: | 1585 | 1788 | 44 | 61 | 29 | 34 | 4023 | 4364 |
| % Increase: | | 13 | | 36 | | 17 | | 8 |

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 they 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 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 table shows statistics for all the 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.

'TAB's Trans-Atlantic Beacons

The numbers shown within the table are the times in 'hh' UTC that the beacons were logged.

| kHz | C/S | Location | ITU | CAN NS vm | DEU hw | FRA ea | FRA jj | HOL rb | USA MA hj |
|-----|-----|----------------------------|-----|-----------------|-----------|-----------|-----------|-----------|-----------------|
| 372 | YCO | Kugluktuk (Coppermine), NU | CAN | | | | | 06 | |
| 378 | HO | Hopedale, NL | CAN | | 05 | 05 | 06 | 04 | |
| 378 | UX | Hall Beach, NU | CAN | | 04 | | | 05 | |
| 382 | LAR | Arruda | POR | 04 | | | | | 01 |

CLE204a5.xls
bk 2 Feb 2016