

COMBINED RESULTS  
Rest of the World

For overall statistics, please see the covering email.

Reporters:

|         |     |  |
|---------|-----|--|
| CAN, BC | sm  | Steve McDonald, Mayne Island                   |
| USA, AZ | sr  | Steve Ratzlaff, Near Sahuarita, SE Arizona     |
| USA, CA | od  | Frank O'Donnell, South Pasadena                |
| USA, CO | ac  | Anthony Casorso, Westminster                   |
| USA, IN | trs | Thomas Rogers, South Bend                      |
| USA, NH | jc  | John Collins, Charlestown                      |
| USA, TX | du  | Douglas Springfield, New Chapel Hill, NE Texas |
| USA, VT | se  | Stephen Howe, Saint Albans, VT                 |
| USA, WA | so  | Steven O'Kelley, The Dungeon, Nr Seattle       |
| USA, WA | wo  | Waldo 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 us know (ndbcle@ndblist.info)

BEACONS HEARD

Beacons are shown in kHz order within each country

The numbers shown within the table are the times in 'hh' UTC that the beacons were logged. (e.g. 01 indicates logged between 01:00-01:59 UTC).

| Cou, S/P | QRG   | ID  | Name                                | CAN BC sm | USA AZ sr | USA CA od | USA CO ac | USA IN trs | USA NH jc | USA TX du | USA VT se | USA WA so | USA WA wo |
|----------|-------|-----|-------------------------------------|-----------|-----------|-----------|-----------|------------|-----------|-----------|-----------|-----------|-----------|
| ALS, AK  | 385.0 | EHM | Cape Newenham                       | 11        |           |           |           |            |           |           |           |           |           |
| CAN, AB  | 311.0 | 9Y  | Pincher Creek                       |           |           |           |           |            |           |           |           |           | 05        |
| CAN, AB  | 320.0 | YQF | Red Deer                            |           |           |           |           |            |           |           |           |           | 05        |
| CAN, BC  | 203.0 | YBL | Campbell River                      |           |           |           |           |            |           |           |           | 05        | 04        |
| CAN, BC  | 203.0 | ZKI | Kitimat                             |           |           |           |           |            |           |           |           | 05        |           |
| CAN, BC  | 218.0 | PR  | Prince Rupert                       |           |           |           |           |            |           |           |           | 05        |           |
| CAN, BC  | 251.0 | YCD | Nanaimo                             |           |           |           |           |            |           |           |           | 05        | 05        |
| CAN, BC  | 257.0 | LW  | Kelowna                             | 09        |           | 07        |           |            |           |           |           | 05        | 05        |
| CAN, BC  | 326.0 | DC  | Princeton                           |           | 05        |           |           |            |           |           |           | 05        |           |
| CAN, BC  | 332.0 | XT  | Terrace                             | 09        |           |           |           |            |           |           |           | 05        |           |
| CAN, MB  | 250.0 | FO  | Flin Flon                           |           |           |           |           |            |           |           |           |           | 05        |
| CAN, MB  | 269.0 | UDE | Delta                               |           |           |           |           |            |           |           |           |           | 05        |
| CAN, NL  | 257.0 | YR  | "Goose" Goose Bay                   |           |           |           |           |            |           |           | 03        |           |           |
| CAN, NS  | 341.0 | GF  | Aylesford (Greenwood)               |           |           |           |           |            | 00        |           |           |           |           |
| CAN, NT  | 356.0 | ZF  | Yellowknife                         | 09        |           |           |           |            |           |           |           |           | 04        |
| CAN, NU  | 329.0 | YEK | Arviat                              |           |           |           |           |            | 06        |           |           |           |           |
| CAN, NU  | 362.0 | YZS | Coral Harbour                       |           |           |           |           |            | 07        |           |           |           |           |
| CAN, ON  | 346.0 | YXL | Sioux Lookout                       |           |           |           |           |            |           |           |           |           | 05        |
| CAN, ON  | 379.0 | YPQ | Peterborough                        |           |           |           |           |            | 07        |           | 08        |           |           |
| CAN, ON  | 382.0 | YPL | Pickle Lake                         | 05        |           |           |           |            | 07        |           | 03        |           |           |
| CAN, QC  | 356.0 | YBG | Bagotville                          |           |           |           |           |            | 00        |           | 03        |           |           |
| CAN, YT  | 365.0 | MA  | Mayo                                | 09        |           |           |           |            |           |           |           |           |           |
| HWA, HI  | 332.0 | POA | Pahoa                               |           |           | 10        |           |            |           | 11        |           |           |           |
| USA, AR  | 379.0 | RUE | Russellville                        |           |           |           | 10        |            |           |           |           |           |           |
| USA, AZ  | 338.0 | RYN | Ryan' Tucson                        | 09        | 04        |           | 11        |            |           |           |           |           |           |
| USA, CA  | 397.0 | SB  | "Petis" San Bernardino              |           | 05        |           |           |            |           |           |           |           |           |
| USA, CA  | 404.0 | MOG | Montague                            | 09        | 04        |           |           |            |           |           |           | 04        |           |
| USA, GA  | 323.0 | OUK | Calhoun                             |           |           |           |           |            | 07        |           |           |           |           |
| USA, GA  | 385.0 | EMR | "Emory" Augusta                     |           |           |           |           |            | 07        | 08        |           |           |           |
| USA, GA  | 407.0 | BZ  | Bullo' Statesboro                   |           |           |           |           |            |           | 08        |           |           |           |
| USA, IL  | 257.0 | FWC | "Wayne County" Fairfield            |           |           |           |           |            |           | 06        |           |           |           |
| USA, IL  | 329.0 | AAA | "Abraham" Lincoln                   |           |           |           |           |            | 06        |           |           |           |           |
| USA, IL  | 332.0 | DN  | "Julip" Danville                    |           |           |           |           | 01         | 08        |           |           |           |           |
| USA, IL  | 356.0 | PI  | "Tungge" Peoria                     |           |           |           |           | 01         | 08        |           |           |           |           |
| USA, IL  | 379.0 | UG  | "Wauke" Waukegan (Chicago)          |           |           |           |           | 01         | 07        |           |           |           |           |
| USA, IL  | 382.0 | SP  | "Huskk" Springfield                 |           |           |           |           | 01         | 07        |           |           |           |           |
| USA, IL  | 385.0 | JD  | "Gooley" Belleville                 |           |           |           |           |            | 08        |           |           |           |           |
| USA, IN  | 341.0 | SB  | "Misha" South Bend                  |           |           |           |           | 01         |           |           |           |           |           |
| USA, IN  | 365.0 | JN  | "Balli" Muncie                      |           |           |           |           |            | 07        |           |           |           |           |
| USA, IN  | 385.0 | UWL | New Castle                          |           |           |           |           |            | 07        |           |           |           |           |
| USA, KS  | 332.0 | IC  | Piche' Wichita                      |           |           |           | 18        |            |           | 18        |           |           |           |
| USA, KS  | 407.0 | HRU | Herington                           |           | 05        |           | 18        |            |           | 11        |           |           |           |
| USA, LA  | 278.0 | AUR | "Sulfy" Sulphur                     |           |           |           |           |            |           | 18        |           |           |           |
| USA, LA  | 407.0 | OOO | "Campi" Natchitoches                |           |           |           |           |            |           | 18        |           |           |           |
| USA, LA  | 418.0 | CW  | "Mossy" Lake Charles                |           |           |           |           |            |           | 18        |           |           |           |
| USA, MD  | 332.0 | VQK | Oxonni' Oxon Hill (Fort Foote Park) |           |           |           |           |            | 08        |           |           |           |           |
| USA, MI  | 365.0 | TV  | "Gwenn" Traverse City               |           |           |           |           |            | 08        |           |           |           |           |
| USA, MI  | 371.0 | AZ  | "Austn" Vicksburg                   |           |           |           |           | 03         |           |           |           |           |           |
| USA, MI  | 382.0 | IRS | Sturgis                             |           |           |           |           | 01         | 07        |           | 08        |           |           |
| USA, MN  | 365.0 | AA  | "Kerrie" Fargo                      | 09        |           |           | 10        |            | 08        |           |           | 04        | 05        |
| USA, NC  | 332.0 | HK  | "Tawba" Hickory                     |           |           |           |           |            | 08        |           |           |           |           |
| USA, NC  | 362.0 | EW  | "Katfi" New Bern                    |           |           |           |           |            | 08        |           |           |           |           |
| USA, NC  | 379.0 | BRA | "Broad River" Asheville             |           |           |           |           |            | 07        |           | 03        |           |           |
| USA, NC  | 388.0 | RNW | Chocowinity                         |           |           |           |           |            |           |           | 04        |           |           |
| USA, NE  | 257.0 | JYR | York                                |           |           |           | 18        |            |           | 18        |           |           |           |
| USA, NE  | 293.0 | FBY | Fairbury                            |           |           |           |           |            |           | 18        |           |           |           |
| USA, NE  | 329.0 | PMV | Plattsmouth                         |           |           |           |           |            |           |           |           |           | 05        |
| USA, NE  | 356.0 | ODX | Ord                                 | 09        |           | 11        | 18        |            |           |           |           |           |           |
| USA, NE  | 383.0 | CNP | Chappell                            |           | 05        |           |           |            |           |           |           |           |           |
| USA, NE  | 400.0 | AHQ | Wahoo                               |           | 05        |           |           |            |           | 10        |           |           |           |
| USA, NM  | 278.0 | CEP | "Capitan" Ruidoso                   |           |           |           |           |            |           | 11        |           |           |           |



|               |                 |                 |                 |                 |                  |                 |                 |                 |                 |                 |  |
|---------------|-----------------|-----------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|--|
| 15:00 - 15:59 |                 |                 |                 |                 |                  |                 |                 |                 |                 |                 |  |
| 16:00 - 16:59 |                 |                 |                 |                 |                  |                 |                 |                 |                 |                 |  |
| 17:00 - 17:59 |                 |                 |                 |                 |                  |                 |                 |                 |                 |                 |  |
| 18:00 - 18:59 |                 |                 |                 | 6               |                  |                 |                 | 11              |                 |                 |  |
| 19:00 - 19:59 |                 |                 |                 |                 |                  |                 |                 |                 |                 |                 |  |
| 20:00 - 20:59 |                 |                 |                 |                 |                  |                 |                 |                 |                 |                 |  |
| 21:00 - 21:59 |                 |                 |                 |                 |                  |                 |                 |                 |                 |                 |  |
| 22:00 - 22:59 |                 |                 |                 |                 |                  |                 |                 |                 |                 |                 |  |
| 23:00 - 23:59 |                 |                 |                 |                 |                  |                 |                 |                 |                 |                 |  |
| UTC (hh)      | CAN<br>BC<br>sm | USA<br>AZ<br>sr | USA<br>CA<br>od | USA<br>CO<br>ac | USA<br>IN<br>trs | USA<br>NH<br>jc | USA<br>TX<br>du | USA<br>VT<br>se | USA<br>WA<br>so | USA<br>WA<br>wo |  |
| NDBs:         | 12              | 11              | 6               | 13              | 10               | 28              | 20              | 11              | 11              | 11              |  |

**NDB COUNTS, BY FREQUENCY:**

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

| NDBs | QRG   | CAN<br>BC<br>sm | USA<br>AZ<br>sr | USA<br>CA<br>od | USA<br>CO<br>ac | USA<br>IN<br>trs | USA<br>NH<br>jc | USA<br>TX<br>du | USA<br>VT<br>se | USA<br>WA<br>so | USA<br>WA<br>wo | NDBs |
|------|-------|-----------------|-----------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|------|
| 2    | 203.0 |                 |                 |                 |                 |                  |                 |                 |                 | 2               | 1               | 2    |
| 1    | 218.0 |                 |                 |                 |                 |                  |                 |                 |                 | 1               |                 | 1    |
| 1    | 250.0 |                 |                 |                 |                 |                  |                 |                 |                 |                 | 1               | 1    |
| 1    | 251.0 |                 |                 |                 |                 |                  |                 |                 |                 | 1               | 1               | 1    |
| 5    | 257.0 | 1               |                 | 1               | 1               |                  |                 | 3               | 1               | 1               | 1               | 5    |
| 1    | 269.0 |                 |                 |                 |                 |                  |                 |                 |                 |                 | 1               | 1    |
| 1    | 272.0 |                 |                 |                 |                 |                  |                 | 1               |                 |                 |                 | 1    |
| 3    | 278.0 |                 |                 |                 |                 |                  |                 | 3               |                 |                 |                 | 3    |
| 2    | 293.0 |                 |                 |                 |                 |                  |                 | 2               |                 |                 |                 | 2    |
| 1    | 305.0 |                 | 1               |                 |                 |                  |                 |                 |                 |                 |                 | 1    |
| 1    | 311.0 |                 |                 |                 |                 |                  |                 |                 |                 |                 | 1               | 1    |
| 1    | 320.0 |                 |                 |                 |                 |                  |                 |                 |                 |                 | 1               | 1    |
| 2    | 323.0 |                 |                 |                 |                 |                  | 2               |                 |                 |                 |                 | 2    |
| 2    | 326.0 |                 | 2               |                 |                 |                  |                 |                 |                 | 1               |                 | 2    |
| 4    | 329.0 |                 |                 | 1               | 1               |                  | 3               |                 | 1               |                 |                 | 4    |
| 7    | 332.0 | 1               |                 | 1               | 1               | 2                | 3               | 2               |                 | 1               |                 | 7    |
| 1    | 338.0 | 1               | 1               |                 | 1               |                  |                 |                 |                 |                 |                 | 1    |
| 3    | 341.0 |                 |                 |                 |                 | 1                | 2               |                 |                 |                 |                 | 3    |
| 1    | 346.0 |                 |                 |                 |                 |                  |                 |                 |                 |                 | 1               | 1    |
| 6    | 356.0 | 2               |                 | 1               | 2               | 1                | 3               |                 | 2               | 1               | 1               | 6    |
| 3    | 362.0 |                 |                 |                 |                 |                  | 3               |                 |                 |                 |                 | 3    |
| 6    | 365.0 | 3               |                 |                 | 2               |                  | 3               | 1               |                 | 1               | 2               | 6    |
| 2    | 371.0 |                 |                 |                 |                 | 2                |                 |                 |                 |                 |                 | 2    |
| 4    | 379.0 |                 |                 |                 | 1               | 1                | 3               |                 | 2               |                 |                 | 4    |
| 1    | 380.0 |                 | 1               |                 |                 |                  |                 |                 |                 |                 |                 | 1    |
| 4    | 382.0 | 2               |                 |                 |                 | 2                | 3               |                 | 2               | 1               |                 | 4    |
| 1    | 383.0 |                 | 1               |                 |                 |                  |                 |                 |                 |                 |                 | 1    |
| 5    | 385.0 | 1               |                 | 1               | 1               |                  | 3               | 2               |                 |                 |                 | 5    |
| 1    | 388.0 |                 |                 |                 |                 |                  |                 |                 | 1               |                 |                 | 1    |
| 1    | 397.0 |                 | 1               |                 |                 |                  |                 |                 |                 |                 |                 | 1    |
| 2    | 400.0 |                 | 1               | 1               | 2               |                  |                 | 2               |                 |                 |                 | 2    |
| 1    | 402.0 |                 | 1               |                 |                 |                  |                 |                 |                 |                 |                 | 1    |
| 1    | 404.0 | 1               | 1               |                 |                 |                  |                 |                 |                 | 1               |                 | 1    |
| 5    | 407.0 |                 | 1               |                 | 1               | 1                |                 | 3               | 2               |                 |                 | 5    |
| 1    | 418.0 |                 |                 |                 |                 |                  |                 | 1               |                 |                 |                 | 1    |
| NDBs | QRG   | CAN<br>BC<br>sm | USA<br>AZ<br>sr | USA<br>CA<br>od | USA<br>CO<br>ac | USA<br>IN<br>trs | USA<br>NH<br>jc | USA<br>TX<br>du | USA<br>VT<br>se | USA<br>WA<br>so | USA<br>WA<br>wo | NDBs |

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

| QRG   | ID  | Name                                | S/P | ITU | Rptr | UTC  |
|-------|-----|-------------------------------------|-----|-----|------|------|
| 379.0 | RUE | Russellville                        | AR  | USA | ac   | 1030 |
| 356.0 | SJ  | "Woole" San Angelo                  | TX  | USA | ac   | 1130 |
| 407.0 | BZ  | Bullo' Statesboro                   | GA  | USA | du   | 0843 |
| 257.0 | FWC | "Wayne County" Fairfield            | IL  | USA | du   | 0624 |
| 278.0 | AUR | "Sulfy" Sulphur                     | LA  | USA | du   | 1832 |
| 407.0 | OOC | "Campi" Natchitoches                | LA  | USA | du   | 1800 |
| 418.0 | CW  | "Mossey" Lake Charles               | LA  | USA | du   | 1804 |
| 293.0 | FBY | Fairbury                            | NE  | USA | du   | 1808 |
| 278.0 | CEP | "Capitan" Ruidoso                   | NM  | USA | du   | 1121 |
| 278.0 | EOE | "Enoree" Newberry                   | SC  | USA | du   | 0933 |
| 257.0 | DT  | Pinck' Denton                       | TX  | USA | du   | 1803 |
| 272.0 | RU  | Garys' San Marcos                   | TX  | USA | du   | 1815 |
| 293.0 | TOR | Torrington                          | WY  | USA | du   | 1107 |
| 323.0 | OJK | Calhoun                             | GA  | USA | jc   | 0757 |
| 329.0 | AAA | "Abraham" Lincoln                   | IL  | USA | jc   | 0653 |
| 385.0 | JD  | "Gooley" Belleville                 | IL  | USA | jc   | 0801 |
| 365.0 | JN  | "Balli" Muncie                      | IN  | USA | jc   | 0745 |
| 385.0 | UWL | New Castle                          | IN  | USA | jc   | 0738 |
| 332.0 | VQK | Oxonon' Oxon Hill (Fort Foote Park) | MD  | USA | jc   | 0854 |
| 365.0 | TV  | "Gwenn" Traverse City               | MI  | USA | jc   | 0803 |
| 332.0 | HK  | "Tawba" Hickory                     | NC  | USA | jc   | 0832 |
| 362.0 | EW  | "Katfi" New Bern                    | NC  | USA | jc   | 0809 |
| 341.0 | GF  | Aylesford (Greenwood)               | NS  | CAN | jc   | 0033 |
| 329.0 | YEK | Arviat                              | NU  | CAN | jc   | 0652 |
| 362.0 | YZS | Coral Harbour                       | NU  | CAN | jc   | 0737 |
| 362.0 | AK  | Akron                               | OH  | USA | jc   | 0851 |
| 341.0 | CQN | "Daisy" Chattanooga                 | TN  | USA | jc   | 0905 |
| 323.0 | GTN | Georgetown                          | VA  | USA | jc   | 0840 |
| 388.0 | RNW | Chocowinity                         | NC  | USA | se   | 0404 |

|       |     |                        |    |     |     |      |
|-------|-----|------------------------|----|-----|-----|------|
| 257.0 | YR  | "Goose" Goose Bay      | NL | CAN | se  | 0324 |
| 407.0 | FR  | "Frikk" Farmingdale    | NY | USA | se  | 0326 |
| 385.0 | EHM | Cape Newenham          | AK | ALS | sm  | 1100 |
| 365.0 | MA  | Mayo                   | YT | CAN | sm  | 0900 |
| 203.0 | ZKI | Kitimat                | BC | CAN | so  | 0535 |
| 218.0 | PR  | Prince Rupert          | BC | CAN | so  | 0537 |
| 397.0 | SB  | "Petis" San Bernardino | CA | USA | sr  | 0522 |
| 383.0 | CNP | Chappell               | NE | USA | sr  | 0520 |
| 305.0 | RO  | Topan' Roswell         | NM | USA | sr  | 0439 |
| 402.0 | CV  | Carlz Carlsbad         | NM | USA | sr  | 0433 |
| 326.0 | MA  | Farly' Midland         | TX | USA | sr  | 0438 |
| 380.0 | GC  | Deryk' Gillette        | WY | USA | sr  | 0519 |
| 341.0 | SB  | "Misha" South Bend     | IN | USA | trs | 0114 |
| 371.0 | AZ  | "Austn" Vicksburg      | MI | USA | trs | 0319 |
| 332.0 | SG  | "Depre" Green Bay      | WI | USA | trs | 0112 |
| 371.0 | RYV | "Rock River" Watertown | WI | USA | trs | 0118 |
| 311.0 | 9Y  | Pincher Creek          | AB | CAN | wo  | 0519 |
| 320.0 | YQF | Red Deer               | AB | CAN | wo  | 0527 |
| 250.0 | FO  | Flin Flon              | MB | CAN | wo  | 0512 |
| 269.0 | UDE | Delta                  | MB | CAN | wo  | 0519 |
| 346.0 | YXL | Sioux Lookout          | ON | CAN | wo  | 0537 |

**FREQUENCIES REVISITED - Progress Statistics**

(Please see the explanation below)

**THEN** CLE306 190-1740 kHz 26.07.2024 - 29.07.2024  
**NOW** CLE327 190-1740 kHz 24.04.2026 - 27.04.2026

| Listener           | Av km       |             | Total km x |            | NDBs      |            | Max km      |             |
|--------------------|-------------|-------------|------------|------------|-----------|------------|-------------|-------------|
|                    | THEN        | NOW         | 1000       | 1000       | THEN      | NOW        | THEN        | NOW         |
| CAN, BC sm         | 1639        | 1421        | 38         | 17         | 23        | 12         | 4308        | 2730        |
| USA, AZ sr         | 2368        | 1112        | 31         | 12         | 13        | 11         | 5655        | 2100        |
| USA, CA od         | 2210        | 2254        | 27         | 14         | 12        | 6          | 3972        | 3972        |
| USA, CO ac         | 1122        | 914         | 24         | 12         | 21        | 13         | 2387        | 1295        |
| USA, TX du         | 1115        | 985         | 32         | 20         | 29        | 20         | 6073        | 6073        |
| USA, VT se         | 858         | 938         | 4          | 10         | 5         | 11         | 1438        | 1470        |
| USA, WA so         | 1698        | 747         | 34         | 8          | 20        | 11         | 5970        | 1922        |
| <b>Averages:</b>   | <b>1573</b> | <b>1196</b> | <b>27</b>  | <b>13</b>  | <b>18</b> | <b>12</b>  | <b>4258</b> | <b>2795</b> |
| <b>% Increase:</b> |             | <b>-24</b>  |            | <b>-51</b> |           | <b>-32</b> |             | <b>-34</b>  |

| Listener           | Av km |            | Total km x |           | NDBs |           | Max km |             |
|--------------------|-------|------------|------------|-----------|------|-----------|--------|-------------|
|                    | THEN  | NOW        | 1000       | 1000      | THEN | NOW       | THEN   | NOW         |
| USA, IN trs        |       | 209        |            | 2         |      | 10        |        | 364         |
| USA, NH jc         |       | 1218       |            | 34        |      | 28        |        | 2448        |
| USA, WA wo         |       | 919        |            | 10        |      | 11        |        | 1877        |
| <b>Averages:</b>   |       | <b>782</b> |            | <b>15</b> |      | <b>16</b> |        | <b>1563</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 upper table shows statistics for listeners who took part in both the events. The bottom lines compare the general conditions found during the two events.

Each listener's own results also depend, of course, on many other things, such as changes in receivers or aerials, time available for listening, use of recording equipment and maybe a move of QTH, as well as progress made through listening practice.

Comparing the results between individual listeners is not very meaningful - we each have so many unavoidable things that affect our ability to hear NDBs; where we and they happen to be, whether we are in a city or in wide open spaces or by the sea, our spending limit, how long we are able to devote to listening, etc. Another reason for differences is the use of software which can analyze audio or IQ data allowing us to "see" the NDB idents as opposed to hearing them!