**NDB LIST CLE No. 216** **320 - 334.9 kHz** **24 - 27 Feb. 2017, 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, Hazleton |
| CAN | BC | sm | Steve McDonald, Mayne Island |
| HWA | | mx | Mike Tuggle, Kaneohe, Hawaii |
| THA | | g6 | Geir Laastad, While at Cha-Am, Thailand |
| TWN | | hf | Hans Fong, Daxi |
| USA | AZ | bc | Bob Coomler, Tucson |
| USA | AZ | sr | Steve Ratzlaff, Near Sahuarita, S E AZ |
| USA | CA | dn | Don Tomkinson, Upland |
| USA | CA | pa | Phil Atchley, Merced, Central California |
| USA | CO | ac | Anthony Casorso, Westminster |
| USA | FL | cg | Craig Cook, Oviedo |
| USA | IL | dt | Dave Tomasko, Galena |
| USA | IL | fy | Joe Farley, Downers Grove |
| USA | MD | ri | Rich Dalton, 3m NW of Newark, DE |
| USA | MO | dp | Dick Palmer, Foristell |
| USA | NH | jc | John Collins, Charlestown |
| USA | NJ | ge | George Muha, Cream Ridge |
| USA | NJ | rs | Bill Riches, Cape May |
| USA | SC | an | Douglass Allen, Inman |
| 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 | so | Steven O'Kelley, The Dungeon, Nr Seattle |

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. 03 indicates logged between 03:00-03:59 UTC)
Any Offshore NDBs and UNIDs appear at the end of the list.

(Borders are shown for listeners in the same radio countries, helping them to compare reception between themselves and to compare others reception of their own countries' NDBs)

| Cou | St | kHz | Call | Location | AUS TA et | CAN BC bt | CAN BC sm | HWA mx | THA g6 | TWN hf | USA AZ bc | USA AZ sr | USA CA dn | USA CA pa | USA CO ac | USA FL cg | USA IL dt | USA IL fy | USA MD ri | USA MO dp | USA NH jc | USA NJ ge | USA NJ rs | USA SC an | USA TX ch | USA TX du | USA UT mu | USA WA rt | USA WA so |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUS | TA | 332 | KII | King Is. | 03 | | | | | | | | | | | | | | | | | | | | | | | | |
| AZR | - | 331 | SC | Flores | | | | | | | | | | | | | | | | | 03 | | | | | | | | |
| CAN | AB | 320 | YQF | Red Deer | | 04 | | | | | 10 | 04 | 04 | 04 | 08 | | 11 | 09 | | 07 | | | | 02 | 03 | 09 | 04 | 02 | 04 |
| CAN | AB | 328 | 5J | Coronation | | 06 | 11 | | | | | | 07 | 04 | 06 | | 12 | | | 12 | | | | | | 01 | | 02 | 03 |
| CAN | AB | 329 | X2 | Athabasca | | 12 | 14 | | | | | | | | 09 | | 11 | | | 07 | | | | | | | | 08 | 05 |
| CAN | AB | 332 | XH | Medicine Hat | | 07 | 10 | | | | | 11 | 06 | 04 | 03 | | 11 | 10 | | 12 | | | | | | 07 | 04 | 02 | 03 |
| CAN | AB | 334 | P2 | Wetaskiwin | | 06 | 10 | | | | | 06 | | 05 | 07 | | 11 | | | 12 | | | | | | | | 05 | 06 |
| CAN | BC | 325 | YJQ | Bella Bella Campbell Is. | | 04 | 08 | 15 | | | | 05 | 08 | 03 | | | | | | 12 | | | | | | | | 02 | 04 |
| CAN | BC | 326 | DC | Princeton | | 04 | 10 | 06 | | | 10 | 02 | 05 | 03 | | | | | | | | | | | 04 | | 02 | 02 | 03 |
| CAN | BC | 326 | XJ | Fort St John | | 04 | 10 | 08 | | | | 09 | | | 04 | | | | | | | | | | | 07 | 02 | 02 | 03 |
| CAN | BC | 332 | WC | Abbotsford White Rock | | 04 | 05 | | | | | 12 | 06 | 04 | | | | | | | | | | | | | | 02 | 03 |
| CAN | BC | 332 | XT | Terrace | | 04 | 10 | | | | | | 08 | 05 | | | | | | | | | | | | | | 02 | 07 |
| CAN | MB | 330 | 2A | South Indian Lake | | | | | | | | | | | | | 02 | | | | | | | | | | | | |
| CAN | NB | 326 | FC | Fredericton | | | | | | | | | | | | 09 | | | | | 17 | 00 | 17 | 02 | | | | | |
| CAN | NL | 323 | UWP | Argentia Harbour | | | | | | | | 05 | | | 07 | 09 | 00 | 07 | 01 | 07 | 02 | 06 | 01 | 01 | 03 | 10 | | | |
| CAN | NT | 321 | YSY | Sachs Harbour | | 04 | | | | | | | | | | | 12 | | | | | | | | | | | | |
| CAN | NU | 329 | YEK | Arviat | | | 12 | | | | | 05 | | 05 | 07 | | 11 | 09 | | 07 | | | | | 09 | 02 | | 08 | 05 |
| CAN | ON | 326 | VV | Wiarton | | | | | | | 11 | 04 | | | 03 | 09 | 18 | 18 | 00 | 07 | 02 | 02 | 01 | 01 | 03 | 10 | | | |
| CAN | ON | 326 | YQK | Kenora | | | | | | | | 04 | | 04 | 03 | | 18 | 09 | | 18 | | | | 01 | 03 | 10 | | | |
| CAN | ON | 328 | YTL | Big Trout Lake | | | 10 | | | | 11 | 05 | 06 | 06 | 03 | | 18 | 18 | | 18 | 01 | | | | 03 | 10 | | 09 | |
| CAN | ON | 329 | YHN | Hornepayne | | | 09 | | | | 10 | 05 | 05 | 04 | 03 | | 18 | 18 | 01 | 18 | 17 | 02 | 01 | 01 | 03 | 10 | | 09 | |
| CAN | ON | 332 | QT | Thunder Bay | | | | | | | 10 | 01 | 06 | 03 | 23 | 09 | 18 | 18 | 01 | 18 | 02 | 00 | | 02 | 03 | 10 | 02 | | |
| CAN | ON | 334 | YER | Fort Severn | | | 08 | | | | | 06 | 08 | | 07 | | 18 | 10 | | 06 | 09 | | | | 03 | 10 | | 07 | |
| CAN | ON | 334 | YSH | Smiths Falls Montague | | | | | | | | | | | | | 11 | 09 | | 02 | 02 | 00 | | 01 | 03 | 09 | | | |
| CAN | QC | 323 | KR | Schefferville | | | | | | | | | | | | | 11 | 05 | | | 02 | | | | | 02 | | | |
| CAN | QC | 329 | OU | Quebec Sainte Foy | | | | | | | | | | | | | | | | | 09 | | | | | | | | |
| CAN | QC | 332 | YFM | La Grande 4 | | | | | | | | | | | | | 18 | 10 | 02 | 06 | 17 | 02 | 02 | 03 | | 10 | | | |
| CAN | SK | 332 | VT | Buffalo Narrows | | 05 | 08 | 06 | | | | | | 06 | 06 | | | | | | | | | | 03 | | 09 | 08 | 03 |
| CAN | YT | 329 | PJ | Whitehorse | | 04 | 14 | | | | | | | | | | | | | | | | | | | | | 08 | |
| CHN | - | 324 | CJ | Hangzhou | | | | | | 10 | | | | | | | | | | | | | | | | | | | |
| CHN | - | 331 | DO | Qingzhou | | | | | | 10 | | | | | | | | | | | | | | | | | | | |
| CHN | - | 333 | NS | Nanxiong | | | | | | 10 | | | | | | | | | | | | | | | | | | | |

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| CKS | - | 320 | AI | Aitutaki | | | | 08 | | | | 10 | | | | | | | | | | | | | | | | | | |
| HWA | - | 327 | VYI | Kahului Valley Is | | | | 06 | | | | | | | | | | | | | | | | | | | | | | |
| HWA | - | 332 | POA | Pahoa | | 08 | 11 | 06 | | | 10 | 05 | 08 | 06 | 10 | | | | | | | | | | 10 | | | 09 | |
| JPN | - | 332.5 | TS | Tokushima | | | | | | 15 | | | | | | | | | | | | | | | | | | | |
| NZL | - | 326 | WR | Whangarei | 10 | | | | | | | | | | | | | | | | | | | | | | | | |
| POR | - | 327 | POR | Porto | | | | | | | | | | | | | | | | | 01 | | | | | | | | |
| PTR | - | 330 | SJ | San Juan Patty | | | | | | | | | | | | | | | | | 03 | | | | | | | | |
| THA | - | 320 | PCK | Prachuap | | | | | 17 | | | | | | | | | | | | | | | | | | | | |
| TRD | - | 323 | TAB | Crown Point | | | | | | | | | | | 06 | | | | | | 01 | | | | | 04 | | | |
| TUA | - | 327.5 | RE | Reao | | | | | | | | 07 | | | | | | | | | | | | | | | | | |
| TWN | | 325 | JB | Jhihben | | | | | | 12 | | | | | | | | | | | | | | | | | | | |
| USA | CO | 321 | FT | Denver SKIPI | | | | | | | | 00 | 08 | 05 | 21 | | 00 | 12 | | | | | | | 03 | 02 | | | |
| USA | FL | 326 | PKZ | Pensacola | | | 08 | | | | 10 | 04 | 05 | | 03 | 09 | 11 | 09 | | 03 | 09 | | | 01 | 03 | 08 | | | |
| USA | FL | 332 | FIS | Key West | | | 09 | | | | 10 | 01 | 05 | 06 | 03 | 09 | 11 | 08 | 01 | 03 | 02 | | 02 | 02 | 02 | 10 | | 08 | |
| USA | GA | 323 | OUK | Calhoun | | | | | | | | | | | | | 00 | 03 | | 01 | | | | | 03 | 03 | | | |
| USA | IA | 323 | EBS | Webster City | | | | | | | | | | | 04 | | 18 | 13 | | 18 | | | | | 04 | | | | |
| USA | IA | 326 | LTU | Spencer | | | | | | | | 05 | | | 03 | | 18 | 09 | | 07 | | | | | 03 | 09 | | | |
| USA | ID | 324 | ID | Idaho Falls Uconn | | | | | | | | 10 | 06 | 06 | 04 | | | 09 | | | | | | | 10 | | 02 | | 05 |
| USA | ID | 333 | STI | Sturgeon Mountain Home | | 07 | 09 | | | | 11 | 10 | 04 | 04 | 06 | | 11 | 10 | | 08 | | | | | | | 02 | 02 | 04 |
| USA | IL | 329 | AAA | Lincoln | | | | | | | | | 05 | | 03 | | 18 | 18 | | 18 | 11 | | | 02 | 03 | 02 | | | |
| USA | IL | 332 | DN | Danville | | | | | | | | | | | 04 | | 18 | 18 | | 18 | 10 | | | 01 | 04 | 03 | | | |
| USA | IL | 334 | LH | Bloomington | | | | | | | | | | | | | 18 | 18 | | 18 | 09 | | | | 03 | 03 | | | |
| USA | IN | 326 | SIV | Sullivan | | | | | | | | | | | 09 | | 18 | 18 | | 18 | | | | 01 | 03 | 08 | | | |
| USA | IN | 331 | JV | Jeffersonville | | | 08 | | | | | 04 | | | 03 | 09 | 18 | 18 | 01 | 18 | 02 | | 02 | 01 | 02 | 10 | | | |
| USA | KS | 326 | FO | Topeka | | | 10 | | | | | 00 | | 04 | 03 | | 18 | 11 | | 18 | | | | | 03 | 08 | | | |
| USA | KS | 332 | IC | Wichita | | | | | | | | 04 | | | 01 | | 01 | 02 | | 12 | | | | | 02 | 07 | | | |
| USA | LA | 329 | BQP | Bastrop | | | | | | | 10 | 02 | | | 07 | 10 | 11 | 09 | | 07 | | | | 02 | 02 | 19 | | | |
| USA | MA | 332 | BE | Bedford | | | | | | | | | | | | | | | | | 17 | | | | | | | | |
| USA | MD | 332 | DC | Oxon Hill | | | | | | | | | | | | | | | 01 | | 09 | | 01 | | | | | | |
| USA | ME | 330 | BH | Bar Harbor | | | | | | | | | | | | | | | | | | | 02 | | | | | | |
| USA | ME | 334 | RM | Rockland | | | | | | | | | | | | | | | | | 02 | | | | | | | | |
| USA | MI | 332 | PH | Port Huron | | | | | | | | | | | | | | | | | | | | | 10 | | | | |
| USA | MN | 327 | JMR | Mora | | | 11 | | | | | 03 | | | 03 | | 18 | 09 | | 03 | | | | | 02 | 07 | | | |
| USA | MN | 330 | PWC | Pine River | | | 07 | | | | | 04 | | | 03 | | 18 | 09 | | 07 | | | | | 02 | 02 | | | |
| USA | MN | 332 | VVV | Ortonville | | | 07 | | | | | 09 | | | 03 | | 18 | 09 | | 07 | | | | | 03 | | | | |
| USA | MO | 326 | SU | St Louis | | | | | | | | | | | | | 16 | 02 | | 18 | | | | | 03 | | | | |
| USA | NC | 326 | ZEF | Elkin | | | | | | | | | | | 06 | 09 | 00 | 09 | 01 | 07 | 02 | 06 | 01 | 19 | 04 | 09 | | | |
| USA | NC | 332 | DKA | Kenansville | | | | | | | | | | | | 09 | 01 | 02 | 01 | | 02 | 06 | 01 | 02 | | | | | |
| USA | NC | 332 | HK. | Hickory | | | | | | | | | | | | 10 | 00 | 01 | | 02 | 02 | | | 19 | | | | | |
| USA | NE | 323 | HJH | Hebron | | | | | | | | | | | | | | | | | | | | | 04 | | | | |
| USA | NE | 329 | PMV | Plattsmouth | | | 08 | | | | | 00 | | 04 | 03 | | 18 | 12 | | 07 | | | | | 04 | 04 | | 08 | |
| USA | NH | 328 | LC | Laconia | | | | | | | | | | | | | | | | | 17 | | | | | | | | |
| USA | NY | 332 | BG | Binghamton | | | | | | | | | | | | | | | | | 03 | | | | | | | | |

| Cou | St | kHz | Call | Location | AUS TA et | CAN BC bt | CAN BC sm | HWA mx | THA g6 | TWN hf | USA AZ bc | USA AZ sr | USA CA dn | USA CA pa | USA CO ac | USA FL cg | USA IL dt | USA IL fy | USA MD ri | USA MO dp | USA NH jc | USA NJ ge | USA NJ rs | USA SC an | USA TX ch | USA TX du | USA UT mu | USA WA rt | USA WA so |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USA | OK | 323 | HHW | Hugo | | | | | | | | | | | | | | | | | | | | | 03 | 19 | | | |
| USA | PA | 328 | BZJ | Bellgrove Indiantown Gap | | | | | | | | | | | | | 11 | 02 | 01 | 06 | 02 | 19 | | 01 | | | | | |
| USA | SC | 326 | UOT | Union County | | | | | | | | | | | | | | | | | | | | 19 | | | | | |
| USA | SC | 329 | CH | Charleston | | | 08 | | | | 10 | 01 | 05 | | 03 | 09 | 00 | 09 | 02 | 03 | 02 | | 01 | 20 | 03 | 10 | | | |
| USA | TN | 332 | PBK | Tullahoma | | | | | | | | | | | | | | | | | | | | | 10 | | | | |
| USA | TN | 332 | ULH | Tullahoma | | | | | | | | 04 | | | 03 | | 11 | 09 | | 07 | 09 | | | 01 | 02 | 09 | | | |
| USA | TX | 320 | TY | Tyler | | | | | | | 10 | 00 | 04 | 06 | 03 | 09 | 11 | 08 | | 03 | 09 | | | 02 | 02 | 19 | | | |
| USA | TX | 323 | GR | Fort Hood | | | | | | | 10 | 00 | 07 | 05 | 03 | | | | | 12 | | | | | 02 | 19 | | | |
| USA | TX | 326 | BVP | Houston | | | | | | | | | | | | | | | | | | | | | 03 | 19 | | | |
| USA | TX | 326 | MA | Midland | | | 09 | | | | 10 | 00 | 04 | 03 | 03 | 09 | 11 | 10 | | 06 | | | | | 00 | 19 | | 05 | |
| USA | TX | 329 | HMA | Hondo | | | 08 | | | | 10 | 01 | 05 | 06 | 03 | | 12 | 08 | | 08 | | | | | 02 | 19 | | | |
| USA | TX | 330 | MF | McAllen | | | | | | | 10 | 06 | | 06 | 07 | | | | | 08 | | | | | 03 | 02 | | | |
| USA | TX | 332 | CZX | Crosbyton | | | | | | | 10 | 00 | 09 | 05 | 03 | | 01 | 09 | | 07 | | | | | 02 | 19 | | | |
| USA | TX | 332 | RPF | Carthage | | | | | | | | 03 | | | 08 | | | 04 | | 07 | | | | | 10 | 19 | | | |
| USA | VA | 323 | GTN | Georgetown | | | | | | | | | | | | | | | 18 | | | | 17 | | | | | | |
| USA | VA | 326 | BKT | Blackstone | | | | | | | | | | | | | 11 | 10 | 01 | 07 | 02 | | 17 | | | | | | |
| USA | VA | 329 | OR | Norfolk | | | | | | | | | 05 | | | | | | 18 | | 02 | | | 02 | | | | | |
| USA | WA | 328 | LAC | Fort Lewis Lacomas | | 07 | 11 | | | | | | | 04 | | | | | | | | | | | | | | 03 | 03 |
| USA | WI | 332 | SG | Green Bay | | | | | | | | | | | 05 | | 18 | 18 | | 02 | | | | | | | | | |
| VTN | - | 320 | KW | Noi Bai | | | | | 17 | 15 | | | | | | | | | | | | | | | | | | | |
| VTN | - | 330 | DL | Da Lat | | | | | 16 | | | | | | | | | | | | | | | | | | | | |
| WAL | - | 326 | FN | Fortuna | | | | 16 | | | | | | | | | | | | | | | | | | | | | |
| XUA | - | 330 | C | (UNID) (Fuyang CHN?) | | | | | | 12 | | | | | | | | | | | | | | | | | | | |
| XUA | - | 330 | PF | (UNID) | | | | | | 10 | | | | | | | | | | | | | | | | | | | |
| XUA | - | 331 | YH | (UNID) | | | | | | 12 | | | | | | | | | | | | | | | | | | | |
| XUA | - | 333 | OP | (UNID) | | | | | | 10 | | | | | | | | | | | | | | | | | | | |

**COUNTRIES and STATES / PROVINCES HEARD:**

Shows the number of NDBs in each radio country that were logged by each reporter.

(Borders are shown for listeners in the same radio countries, helping them to compare reception between themselves and to compare others reception of their own countries' NDBs)

| Cou | Country | St | AUS TA et | CAN BC bt | CAN BC sm | HWA mx | THA g6 | TWN hf | USA AZ bc | USA AZ sr | USA CA dn | USA CA pa | USA CO ac | USA FL cg | USA IL dt | USA IL fy | USA MD ri | USA MO dp | USA NH jc | USA NJ ge | USA NJ rs | USA SC an | USA TX ch | USA TX du | USA UT mu | USA WA rt | USA WA so |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AUS | Australia | TA | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| AZR | Azores | - | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| CAN | Canada | AB | | 5 | 4 | | | | 1 | 3 | 3 | 4 | 5 | | 5 | 2 | | 5 | | | | 1 | 1 | 3 | 2 | 5 | 5 |
| CAN | Canada | BC | | 5 | 5 | 3 | | | 1 | 4 | 4 | 4 | 1 | | | | | 1 | | | | | 1 | 1 | 2 | 5 | 5 |
| CAN | Canada | MB | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| CAN | Canada | NB | | | | | | | | | | | | 1 | | | | | 1 | 1 | 1 | 1 | | | | | |
| CAN | Canada | NL | | | | | | | | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | | |
| CAN | Canada | NT | | 1 | | | | | | | | | | | 1 | | | | | | | | | | | | |
| CAN | Canada | NU | | | 1 | | | | | 1 | | 1 | 1 | | 1 | 1 | | 1 | | | | | 1 | 1 | | 1 | 1 |
| CAN | Canada | ON | | | 3 | | | | 4 | 6 | 4 | 4 | 6 | 2 | 7 | 7 | 3 | 7 | 6 | 4 | 2 | 5 | 7 | 7 | 1 | 3 | |
| CAN | Canada | QC | | | | | | | | | | | | | 2 | 2 | 1 | 1 | 3 | 1 | 1 | 1 | | 2 | | | |
| CAN | Canada | SK | | 1 | 1 | 1 | | | | | | 1 | 1 | | | | | | | | | | 1 | | 1 | 1 | 1 |
| CAN | Canada | YT | | 1 | 1 | | | | | | | | | | | | | | | | | | | | | 1 | |
| CHN | China (PRC) | - | | | | | | 3 | | | | | | | | | | | | | | | | | | | |
| CKS | Cook Is.(Southern) | - | | | | 1 | | | | 1 | | | | | | | | | | | | | | | | | |
| HWA | Hawaii (US State) | - | | 1 | 1 | 2 | | | 1 | 1 | 1 | 1 | 1 | | | | | | | | | | 1 | | | 1 | |
| JPN | Japan | - | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| NZL | New Zealand | - | 1 | | | | | | | | | | | | | | | | | | | | | | | | |
| POR | Portugal | - | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| PTR | Puerto Rico | - | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| THA | Thailand | - | | | | | 1 | | | | | | | | | | | | | | | | | | | | |
| TRD | Trinidad & Tobago | - | | | | | | | | | | | 1 | | | | | | 1 | | | | | 1 | | | |
| TUA | Tuamotu Archipelago | - | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| TWN | Taiwan (ROC) | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| USA | USA | CO | | | | | | | | 1 | 1 | 1 | 1 | | 1 | 1 | | | | | | | 1 | 1 | | | |
| USA | USA | FL | | | 2 | | | | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 1 | 2 | 2 | | 1 | 2 | 2 | 2 | | 1 | |
| USA | USA | GA | | | | | | | | | | | | | 1 | 1 | | 1 | | | | | 1 | 1 | | | |
| USA | USA | IA | | | | | | | | 1 | | | 2 | | 2 | 2 | | 2 | | | | | 2 | 1 | | | |
| USA | USA | ID | | 1 | 1 | | | | 1 | 2 | 2 | 2 | 2 | | 1 | 2 | | 1 | | | | | 1 | | 2 | 1 | 2 |
| USA | USA | IL | | | | | | | | | 1 | | 2 | | 3 | 3 | | 3 | 3 | | | 2 | 3 | 3 | | | |
| USA | USA | IN | | | 1 | | | | | 1 | | | 2 | 1 | 2 | 2 | 1 | 2 | 1 | | 1 | 2 | 2 | 2 | | | |
| USA | USA | KS | | | 1 | | | | | 2 | | 1 | 2 | | 2 | 2 | | 2 | | | | | 2 | 2 | | | |
| USA | USA | LA | | | | | | | 1 | 1 | | | 1 | 1 | 1 | 1 | | 1 | | | | 1 | 1 | 1 | | | |
| USA | USA | MA | | | | | | | | | | | | | | | | | 1 | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| USA | USA | MD | | | | | | | | | | | | | | | 1 | | 1 | | 1 | | | | | | | |
| USA | USA | ME | | | | | | | | | | | | | | | | | 1 | | 1 | | | | | | | |
| USA | USA | MI | | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| USA | USA | MN | | | 3 | | | | | 3 | | | 3 | | 3 | 3 | | 3 | | | | | 3 | 2 | | | | |
| USA | USA | MO | | | | | | | | | | | | | 1 | 1 | | 1 | | | | | 1 | | | | | |
| USA | USA | NC | | | | | | | | | | | 1 | 3 | 3 | 3 | 2 | 2 | 3 | 2 | 2 | 3 | 1 | 1 | | | | |
| USA | USA | NE | | | 1 | | | | | 1 | | 1 | 1 | | 1 | 1 | | 1 | | | | | 2 | 1 | | 1 | | |
| USA | USA | NH | | | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| USA | USA | NY | | | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| USA | USA | OK | | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | |
| USA | USA | PA | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | | | | | | |
| USA | USA | SC | | | 1 | | | | 1 | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 1 | 2 | 1 | 1 | | | | |
| USA | USA | TN | | | | | | | | 1 | | | 1 | | 1 | 1 | | 1 | 1 | | | 1 | 2 | 1 | | | | |
| USA | USA | TX | | | 2 | | | | 6 | 7 | 5 | 6 | 7 | 2 | 4 | 5 | | 7 | 1 | | | 1 | 8 | 8 | | 1 | | |
| USA | USA | VA | | | | | | | | | 1 | | | | 1 | 1 | 3 | 1 | 2 | | 2 | 1 | | | | | | |
| USA | USA | WA | | 1 | 1 | | | | | | | 1 | | | | | | | | | | | | | | 1 | 1 | |
| USA | USA | WI | | | | | | | | | | | 1 | | 1 | 1 | | 1 | | | | | | | | | | |
| VTN | Vietnam | - | | | | | 2 | 1 | | | | | | | | | | | | | | | | | | | | |
| WAL | Wallis et Futuna | - | | | | 1 | | | | | | | | | | | | | | | | | | | | | | |
| XUA | UNID | - | | | | | | 4 | | | | | | | | | | | | | | | | | | | | |
| Cou | Country | St | AUS TA et | CAN BC bt | CAN BC sm | HWA mx | THA g6 | TWN hf | USA AZ bc | USA AZ sr | USA CA dn | USA CA pa | USA CO ac | USA FL cg | USA IL dt | USA IL fy | USA MD ri | USA MO dp | USA NH jc | USA NJ ge | USA NJ rs | USA SC an | USA TX ch | USA TX du | USA UT mu | USA WA rt | USA WA so |

**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 | HWA mx | THA g6 | TWN hf | USA AZ bc | USA AZ sr | USA CA dn | USA CA pa | USA CO ac | USA FL cg | USA IL dt | USA IL fy | USA MD ri | USA MO dp | USA NH jc | USA NJ ge | USA NJ rs | USA SC an | USA TX ch | USA TX du | USA UT mu | USA WA rt | USA WA so |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 00:00 - 00:59 | | | | | | | | 7 | | | | | 6 | | 1 | | | 3 | | | 1 | | | | |
| 01:00 - 01:59 | | | | | | | | 4 | | | 1 | | 3 | 1 | 10 | 1 | 3 | | 7 | 11 | | 1 | | | |
| 02:00 - 02:59 | | | | | | | | 2 | | | | | 1 | 4 | 2 | 3 | 15 | 3 | 4 | 9 | 11 | 6 | 5 | 9 | |
| 03:00 - 03:59 | 1 | | | | | | | 2 | | 4 | 22 | | | 1 | | 5 | 3 | | | 1 | 24 | 3 | | 1 | 7 |
| 04:00 - 04:59 | | 8 | | | | | | 8 | 4 | 10 | 4 | | | 1 | | | | | | | 6 | 2 | 2 | | 3 |
| 05:00 - 05:59 | | 1 | 1 | | | | | 7 | 8 | 6 | 1 | | | 1 | | | | | | | | | | 2 | 3 |
| 06:00 - 06:59 | | 2 | | 4 | | | | 3 | 5 | 8 | 5 | | | | | 4 | | 3 | | | | | | | 1 |
| 07:00 - 07:59 | | 3 | 2 | | | | | 1 | 2 | | 6 | | | 1 | | 15 | | | | | | 4 | | 1 | 1 |
| 08:00 - 08:59 | | 1 | 8 | 2 | | | | | 5 | | 2 | | | 3 | | 3 | | | | | | 3 | | 6 | |
| 09:00 - 09:59 | | | 4 | | | | | 2 | 1 | | 2 | 12 | | 15 | | | 7 | | | | 1 | 5 | 1 | 3 | |
| 10:00 - 10:59 | 1 | | 7 | | | 5 | 15 | 3 | | | 1 | 2 | | 6 | | | 1 | | | | 5 | 11 | | | |

| UTC (hh) | AUS TA et | CAN BC bt | CAN BC sm | HWA mx | THA g6 | TWN hf | USA AZ bc | USA AZ sr | USA CA dn | USA CA pa | USA CO ac | USA FL cg | USA IL dt | USA IL fy | USA MD ri | USA MO dp | USA NH jc | USA NJ ge | USA NJ rs | USA SC an | USA TX ch | USA TX du | USA UT mu | USA WA rt | USA WA so |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11:00 - 11:59 | | | 4 | | | | 3 | 1 | | | | | 16 | 1 | | | 1 | | | | | | | | |
| 12:00 - 12:59 | | 1 | 1 | | | 3 | | 1 | | | | | 3 | 2 | | 6 | | | | | | | | | |
| 13:00 - 13:59 | | | | | | | | | | | | | | 1 | | | | | | | | | | | |
| 14:00 - 14:59 | | | 2 | | | | | | | | | | | | | | | | | | | | | | |
| 15:00 - 15:59 | | | | 1 | | 2 | | | | | | | | | | | | | | | | | | | |
| 16:00 - 16:59 | | | | 1 | 1 | | | | | | | | 1 | | | | | | | | | | | | |
| 17:00 - 17:59 | | | | | 2 | | | | | | | | | | | | 5 | | 3 | | | | | | |
| 18:00 - 18:59 | | | | | | | | | | | | | 20 | 10 | 2 | 12 | | | | | | | | | |
| 19:00 - 19:59 | | | | | | | | | | | | | | | | | | 1 | | 3 | | 9 | | | |
| 20:00 - 20:59 | | | | | | | | | | | | | | | | | | | | 1 | | | | | |
| 21:00 - 21:59 | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| 22:00 - 22:59 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23:00 - 23:59 | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| Totals: | 2 | 16 | 29 | 8 | 3 | 10 | 18 | 41 | 25 | 28 | 46 | 14 | 50 | 47 | 15 | 49 | 35 | 10 | 14 | 25 | 48 | 44 | 8 | 22 | 15 |

**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 | HWA mx | THA g6 | TWN hf | USA AZ bc | USA AZ sr | USA CA dn | USA CA pa | USA CO ac | USA FL cg | USA IL dt | USA IL fy | USA MD ri | USA MO dp | USA NH jc | USA NJ ge | USA NJ rs | USA SC an | USA TX ch | USA TX du | USA UT mu | USA WA rt | USA WA so |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 320 | | 1 | | 1 | 2 | 1 | 2 | 3 | 2 | 2 | 2 | 1 | 2 | 2 | | 2 | 1 | | | 2 | 2 | 2 | 1 | 1 | 1 |
| 2 | 321 | | 1 | | | | | | 1 | 1 | 1 | 1 | | 2 | 1 | | | | | | | 1 | 1 | | | |
| 0 | 322 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | 323 | | | | | | | 1 | 2 | 1 | 1 | 4 | 1 | 4 | 4 | 2 | 4 | 3 | 1 | 2 | 1 | 6 | 6 | | | |
| 2 | 324 | | | | | | 1 | | 1 | 1 | 1 | 1 | | | 1 | | | | | | | 1 | | 1 | | 1 |
| 2 | 325 | | 1 | 1 | 1 | | 1 | | 1 | 1 | 1 | | | | | | 1 | | | | | | | | 1 | 1 |
| 17 | 326 | 1 | 2 | 5 | 3 | | | 4 | 8 | 3 | 4 | 9 | 5 | 10 | 10 | 3 | 10 | 5 | 3 | 4 | 7 | 11 | 10 | 2 | 3 | 2 |
| 3 | 327 | | | 1 | 1 | | | | 1 | | | 1 | | 1 | 1 | | 1 | 1 | | | | 1 | 1 | | | |
| 1 | 327.5 | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| 5 | 328 | | 2 | 3 | | | | 1 | 1 | 2 | 3 | 2 | | 3 | 2 | 1 | 3 | 3 | 1 | | 1 | 1 | 2 | | 3 | 2 |
| 11 | 329 | | 2 | 7 | | | | 4 | 6 | 5 | 4 | 8 | 2 | 8 | 7 | 3 | 8 | 5 | 1 | 2 | 5 | 7 | 7 | | 5 | 2 |
| 8 | 330 | | | 1 | | 1 | 2 | 1 | 2 | | 1 | 2 | | 2 | 1 | | 2 | 1 | | 1 | | 2 | 2 | | | |
| 4 | 331 | | | 1 | | | 2 | | 1 | | | 1 | 1 | 1 | 1 | 1 | 1 | 2 | | 1 | 1 | 1 | 1 | | | |
| 23 | 332 | 1 | 5 | 7 | 2 | | | 4 | 10 | 7 | 8 | 12 | 4 | 12 | 13 | 5 | 12 | 10 | 3 | 4 | 7 | 12 | 9 | 3 | 6 | 4 |
| 1 | 332.5 | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| 3 | 333 | | 1 | 1 | | | 2 | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | | 1 | | | | | | | 1 | 1 | 1 |
| 5 | 334 | | 1 | 2 | | | | | 2 | 1 | 1 | 2 | | 4 | 3 | | 4 | 4 | 1 | | 1 | 3 | 3 | | 2 | 1 |
| NDBs | kHz | AUS TA et | CAN BC bt | CAN BC sm | HWA mx | THA g6 | TWN hf | USA AZ bc | USA AZ sr | USA CA dn | USA CA pa | USA CO ac | USA FL cg | USA IL dt | USA IL fy | USA MD ri | USA MO dp | USA NH jc | USA NJ ge | USA NJ rs | USA SC an | USA TX ch | USA TX du | USA UT mu | USA WA rt | USA WA so |

## 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 |
|---|---|---|---|---|---|---|
| 326 | UOT | Union County | SC | USA | **an** | 19:34 |
| 332 | PH | Port Huron | MI | USA | **ch** | 10:03 |
| 323 | HJH | Hebron | NE | USA | **ch** | 04:15 |
| 332 | PBK | Tullahoma | TN | USA | **ch** | 10:15 |
| 330 | 2A | South Indian Lake | MB | CAN | **dt** | 02:51 |
| 326 | WR | Whangarei | - | NZL | **et** | 10:26 |
| 332 | KII | King Is. | TA | AUS | **et** | 03:56 |
| 320 | PCK | Prachuap | - | THA | **g6** | 17:37 |
| 330 | DL | Da Lat | - | VTN | **g6** | 16:20 |
| 325 | JB | Jhihben | | TWN | **hf** | 12:34 |
| 333 | NS | Nanxiong | - | CHN | **hf** | 10:19 |
| 331 | DO | Qingzhou | - | CHN | **hf** | 10:21 |
| 324 | CJ | Hangzhou | - | CHN | **hf** | 10:26 |
| 332.5 | TS | Tokushima | - | JPN | **hf** | 15:40 |
| 333 | OP | (UNID) | - | XUA | **hf** | 10:20 |
| 330 | PF | (UNID) | - | XUA | **hf** | 10:25 |
| 331 | YH | (UNID) | - | XUA | **hf** | 12:22 |
| 330 | C | (UNID) (Fuyang CHN?) | - | XUA | **hf** | 12:26 |
| 331 | SC | Flores | - | AZR | **jc** | 03:46 |
| 327 | POR | Porto | - | POR | **jc** | 01:31 |
| 330 | SJ | San Juan Patty | - | PTR | **jc** | 03:32 |
| 332 | BE | Bedford | MA | USA | **jc** | 17:06 |
| 334 | RM | Rockland | ME | USA | **jc** | 02:32 |
| 328 | LC | Laconia | NH | USA | **jc** | 17:03 |
| 332 | BG | Binghamton | NY | USA | **jc** | 03:19 |
| 329 | OU | Quebec Sainte Foy | QC | CAN | **jc** | 09:50 |
| 327 | VYI | Kahului Valley Is | - | HWA | **mx** | 06:08 |
| 326 | FN | Fortuna | - | WAL | **mx** | 16:30 |
| 330 | BH | Bar Harbor | ME | USA | **rs** | 02:05 |
| 327.5 | RE | Reao | - | TUA | **sr** | 07:51 |
| kHz | C/S | Location | St | ITU | **Rptr** | UTC |

## FREQUENCIES REVISITED - Progress Statistics

(Please see the explanation below)

| | | | |
|---|---|---|---|
| **THEN:** | **CLE183** | 320 - 334.9 kHz | **20 - 23 Jun 2014** |
| **NOW:** | CLE216 | 320 - 334.9 kHz | 24 - 27 Feb 2017 |

**NB:** These results are comparing CLEs 30 months apart (normally 15 or so)

| 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** | | 1441 | | 3 | | 2 | | 2447 |
| **CAN BC bt** | | 1176 | | 19 | | 16 | | 4600 |
| **THA g6** | | 716 | | 2 | | 3 | | 1122 |
| **TWN hf** | | 868 | | 5 | | 6 | | 1654 |
| **USA AZ bc** | | 2122 | | 38 | | 18 | | 4602 |
| **USA AZ sr** | | 2437 | | 100 | | 41 | | 7344 |
| **USA FL cg** | | 1375 | | 19 | | 14 | | 3130 |
| **USA IL fy** | | 1119 | | 53 | | 47 | | 2746 |
| **USA MD ri** | | 841 | | 13 | | 15 | | 1942 |
| **USA MO dp** | | 1210 | | 59 | | 49 | | 3209 |
| **USA SC an** | | 1070 | | 27 | | 25 | | 3146 |
| **USA TX ch** | | 1869 | | 90 | | 48 | | 5264 |
| **USA WA rt** | | 1554 | | 34 | | 22 | | 4385 |
| | | | | | | | | |
| **Averages:** | | 1369 | | 36 | | 24 | | 3507 |

| 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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |
| **CAN BC sm** | 1335 | 1935 | 29 | 56 | 22 | 29 | 4315 | 4499 |
| **HWA mx** | 3151 | 3546 | 19 | 28 | 6 | 8 | 5563 | 5563 |
| **USA CA dn** | 1967 | 2356 | 20 | 59 | 10 | 25 | 4016 | 4016 |
| **USA CA pa** | 1894 | 2119 | 25 | 59 | 13 | 28 | 3876 | 3925 |
| **USA CO ac** | 1338 | 1674 | 15 | 77 | 11 | 46 | 5244 | 5383 |
| **USA IL dt** | 577 | 1222 | 12 | 61 | 21 | 50 | 1378 | 3791 |
| **USA NH jc** | 1047 | 1389 | 23 | 49 | 22 | 35 | 2448 | 5116 |
| **USA NJ ge** | 1194 | 982 | 11 | 10 | 9 | 10 | 1860 | 1827 |
| **USA NJ rs** | 1126 | 923 | 11 | 13 | 10 | 14 | 1915 | 1915 |
| **USA TX du** | 1303 | 1532 | 23 | 67 | 18 | 44 | 10502 | 4227 |
| **USA UT mu** | 1403 | 1170 | 17 | 9 | 12 | 8 | 4715 | 1937 |
| **USA WA so** | 460 | 855 | 2 | 13 | 5 | 15 | 889 | 2345 |
| | | | | | | | | |
| **Averages:** | 1399 | 1642 | 17 | 42 | 13 | 26 | 3893 | 3712 |
| **% Increase:** | | 17 | | 142 | | 96 | | -5 |

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 | | DEU hw | DEU je | ENG bk | ENG hh | ENG me | HOL rb | | USA NH jc |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 323 | UWP | Argentia Harbour, NL | CAN | | 04 | 06 | 04 | 00 | 05 | 00 | | |
| 326 | FC | Fredericton, NB | CAN | | | | 04 | | | 04 | | |
| 329 | YEK | Arviat Eskimo Pt, NU | CAN | | | | | | | 06 | | |
| 332 | YTE | Cape Dorset, NU | CAN | | | | | | | 05 | | |
| 327 | POR | Porto | POR | | | | | | | | | 01 |