

Non-Directional Beacons Heard at Quoddy House, Lubec, Maine November 2017

Following are my logs of aeronautical navigation beacons in the longwave (198 to 530 kHz) band using the KiwiSDR at this location. Quoddy House is an excellent location to receive Trans-Atlantic NDBs, rivalling locations in the Canadian Maritime provinces used by other DXers in recent years. These beacons operate with modest RF power levels ranging from 2,000 to a mere 25 watts using non-resonant, capacitance-loaded antennas, yet manage to be heard hundreds, if not thousands of miles away.

Most NDBs employ modulated CW systems to continuously send their two- or three-character IDs. They are modulated with nominal tones of 400 or 1020 Hz. Most Canadian NDBs use 400 Hz while the great majority in the United States use 1020 Hz. Europe is a mix. Only one beacon logged here does not use this system: SAL on 274 kHz in Cape Verde (right). It is an A1A beacon, meaning that the carrier itself is keyed as a traditional CW signal.



The best way to log NDBs is to use very narrow CW filters on the order of 20 Hz. This allows you to separate competing signals that are closely spaced in “cluster” frequencies, or are very near strong carriers. The IDs or “idents” of modulated (MCW) beacons are found away from their carrier frequencies based on the tones used. A beacon on 370 kHz using a tone of 1020 Hz will produce CW idents at 368.98 kHz (LSB) and 371.02 kHz (USB). A beacon on the same frequency using 400 Hz will appear at 369.6 kHz and 370.4 kHz. Note that some beacons, particularly in Canada, suppress their lower sidebands (although some still produce LSBs that are noticeably weaker than their USBs).

The best source of up-to-date information about which NDBs are being heard, and where, is the RNA/REU Database: http://www.classaxe.com/dx/ndb/rww/signal_list. This is continuously updated with the logs of DXers who participate in the NDB List reflector: <http://www.ndblist.info/>. At that site, there is an excellent introduction to NDB DXing prepared by NDB List founder and administrator Alan Gale G4TMV: <http://www.ndblist.info/beacons/beacons.pdf>

Location color key: North America | [Greenland](#) | [Europe](#) | [Africa](#) | [Caribbean](#) | [South America](#)

| YYYYMMDD | UTC | kHz | ID | LSB | USB | Location |
|----------|------|-----|-----|------|------|----------------------------|
| 20171119 | 1723 | 198 | DIW | 1040 | 1040 | Dixon, NC USA |
| 20171117 | 2244 | 201 | RI | --- | 400 | Riviere-du-Loup, QC Canada |
| 20171117 | 2245 | 201 | YIF | --- | 400 | St. Augustin, QC Canada |
| 20171118 | 0221 | 204 | YFY | --- | 400 | Iqaluit, NU Canada |
| 20171117 | 2246 | 206 | QI | 400 | 400 | Yarmouth, NS Canada |
| 20171117 | 2247 | 207 | CL | --- | 400 | Charlo, NB Canada |
| 20181126 | 0517 | 208 | YSK | --- | 400 | Sanikiluaq, QC Canada |
| 20171117 | 2248 | 209 | MT | --- | 400 | Chibougamau, QC Canada |
| 20171124 | 1426 | 209 | MJ | 1040 | --- | Lawrence Corner, NH USA |
| 20171117 | 2249 | 212 | SJ | 400 | 400 | St. John, NB Canada |

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|-----------------|-------------|------------|------------|-------------|------------|---------------------------------------|
| 20171126 | 0521 | 214 | K8 | --- | 390 | Nemiscau, QC Canada |
| 20171117 | 2250 | 216 | ME | --- | 400 | Matane, QC Canada |
| 20171118 | 0219 | 216 | CLB | 1020 | 1020 | Carolina Beach, NC USA |
| 20171119 | 1740 | 219 | W7 | 400 | --- | Du Rocher-Pierce, QC Canada |
| 20171117 | 2253 | 220 | BX | --- | 400 | Blanc-Sablon, QC Canada |
| 20171117 | 2254 | 224 | QM | --- | 400 | Moncton, NB Canada |
| 20171126 | 0513 | 224 | BH | 1050 | --- | Birmingham, AL USA |
| 20171123 | 1116 | 227 | SQ | 1040 | --- | Connersville, IN USA |
| 20171117 | 2255 | 229 | PD | --- | 400 | Port Hawkesbury, NS Canada |
| 20171118 | 0217 | 229 | 1M | 1060 | --- | Hibernia Platform, (off Newfoundland) |
| 20171117 | 2256 | 230 | AC | --- | 400 | Pleasant Lake, NS Canada |
| 20171117 | 2256 | 230 | QB | --- | 400 | Quebec, QC Canada |
| 20171126 | 0509 | 230 | AQE | --- | 1030 | Greenville, NC USA |
| 20171117 | 2257 | 232 | GP | --- | 400 | Gaspé, QC Canada |
| 20171117 | 2258 | 233 | UM | --- | 400 | Churchill Falls, NL Canada |
| 20171118 | 0214 | 235 | 9H | --- | 400 | La Grande Trois, QC Canada |
| 20171118 | 0214 | 235 | CN | --- | 400 | Cochrane, ON Canada |
| 20171119 | 2345 | 237 | 7C | --- | 380 | Fogo, NL Canada |
| 20171123 | 1122 | 237 | EZF | --- | 1010 | Fredericksburg, VA USA |
| 20171118 | 0211 | 239 | 5Q | 400 | --- | Fontanges, QC Canada |
| 20171118 | 0104 | 241 | YGT | --- | 400 | Igloolik, NU Canada |
| 20171119 | 1756 | 242 | 3E | 1030 | --- | Galaxy Platform, (off Sable Is.) (1) |
| 20171117 | 2259 | 243 | YVB | --- | 400 | Bonaventure, QC Canada |
| 20171117 | 2259 | 244 | DG | --- | 400 | Chute-des-Passes, QC Canada |
| 20171126 | 0504 | 245 | JYL | --- | 1020 | Sylvania, GA USA |
| 20171126 | 0506 | 245 | UDG | --- | 1020 | Darlington, SC USA |
| 20171117 | 2300 | 248 | UL | --- | 400 | Montreal, QC Canada |
| 20171126 | 0533 | 248 | FRT | 1040 | 1030 | Spartanburg, SC USA |
| 20171117 | 2301 | 250 | UAC | --- | 400 | Poste Montagnais, QC Canada |
| 20171119 | 1804 | 250 | YMH | --- | 400 | Mary's Harbour, NL Canada |
| 20171123 | 1124 | 251 | SKR | 1040 | 1010 | Beford, MA |
| 20171119 | 1806 | 252 | 3S | 1020 | 1020 | Thebaud Platform, (off Nova Scotia) |
| 20171117 | 2302 | 254 | 5B | --- | 400 | Summerside, PE Canada |
| 20171123 | 1126 | 254 | LLW | 1050 | --- | Elizabeth City, NC USA |
| 20171117 | 2303 | 257 | YR | 1050 | 990 | Goose Bay, NL Canada |
| 20171117 | 2304 | 260 | UFX | --- | 400 | St. Felix-de-Valois, QC Canada |
| 20171117 | 2304 | 260 | YAT | --- | 400 | Attawapiskat, ON Canada |
| 20171126 | 0608 | 260 | TOY | 1030 | --- | Tongoy, Chile |
| 20171126 | 0608 | 260 | MTH | 1050 | --- | Marathon Key, FL USA |
| 20171118 | 0208 | 261 | 2H | --- | 400 | Lebel-sur-Quevillon, QC Canada |
| 20171123 | 1047 | 261 | OA | --- | 1020 | Jacksonville, NC USA |
| 20171117 | 2306 | 263 | QY | --- | 400 | Syndney, NS Canada |
| 20171123 | 1044 | 263 | JN | 1020 | --- | Smithfield, NC USA |
| 20171117 | 2307 | 266 | YZX | 1020 | 1020 | Greenwood, NS Canada |
| 20171119 | 1821 | 269 | 3C | 1020 | 1020 | Venture Platform, (off Newfoundland) |
| 20171117 | 2307 | 270 | ZNF | --- | 400 | St. John's, NL Canada |
| 20101123 | 1053 | 270 | PYG | --- | 1020 | Pageland, SC USA |
| 20171123 | 1050 | 271 | HXO | 1020 | --- | Huntsboro, NC USA |
| 20171117 | 2308 | 272 | ZMR | --- | 400 | Montreal, QC Canada |
| 20171125 | 2101 | 272 | PFH | 1020 | 1020 | Hudson, NY USA |
| 20171120 | 0013 | 274 | SAL | 0 | 0 | Sal Island, Cape Verde |
| 20171117 | 2309 | 275 | R1 | --- | 400 | Thetford Mines, QC Canada |
| 20171117 | 2309 | 276 | YHR | --- | 400 | Chevery, QC Canada |
| 20171118 | 0058 | 278 | PQ | 1050 | --- | Presque Isle, ME USA |
| 20171118 | 0132 | 278 | ADG | 1020 | --- | Adrian, MI USA |
| 20171118 | 0059 | 279 | SI | 400 | 400 | Simiutaq, Greenland |
| 20171125 | 2105 | 279 | CQX | --- | 1020 | Chatham, MA USA |

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|-----------------|-------------|------------|------------|-------------|-------------|--------------------------------------|
| 20171117 | 2310 | 280 | QX | --- | 400 | Gander, NL Canada |
| 20171123 | 1056 | 280 | MQW | 1010 | 1020 | McRae, GA USA |
| 20171117 | 2312 | 281 | CA | --- | 400 | Cartwright, NL Canada |
| 20171117 | 2313 | 289 | YLQ | --- | 400 | La Tuque, QC Canada |
| 20171125 | 2108 | 291 | 9Q | --- | 370 | Amos, QC Canada |
| 20171117 | 2314 | 304 | ZQM | --- | 400 | Riverview, NB Canada |
| 20171117 | 2315 | 305 | YQ | --- | 400 | Churchill, MB Canada |
| 20171123 | 0338 | 309 | GPI | 410 | 400 | Guapi, Colombia |
| 20171117 | 2316 | 317 | ZMX | --- | 400 | Montreal, QC Canada |
| 20171117 | 2317 | 323 | KR | --- | 400 | Schefferville, QC Canada |
| 20171120 | 0030 | 323 | TAB | 400 | --- | Tobago, Trinidad & Tobago |
| 20171117 | 2318 | 326 | FC | 400 | 400 | Fredericton, NB Canada |
| 20171126 | 0450 | 326 | PKZ | 1040 | --- | Pensacola, FL USA |
| 20171126 | 0451 | 326 | ZEF | 1020 | --- | Elkin, NC USA |
| 20171120 | 0037 | 327 | POR | --- | 1020 | Porto, Portugal |
| 20171118 | 0109 | 328 | LC | 1020 | --- | Laconia, NH USA |
| 20171117 | 2319 | 329 | OU | --- | 400 | Ste-Foy, QC Canada |
| 20171120 | 0043 | 331 | SC | 1050 | --- | Santa Cruz de Flores, Azores |
| 20171117 | 2320 | 332 | YFM | 400 | 400 | La Grande Quatre, QC Canada |
| 20171117 | 2321 | 332 | FAR | --- | 1020 | Faro, Portugal |
| 20171118 | 0158 | 332 | FIS | 1050 | --- | Key West, FL USA |
| 20171124 | 0347 | 332 | BE | --- | 1040 | Bedford, MA USA |
| 20171117 | 2325 | 334 | YSH | --- | 400 | Smiths Falls/Montague, ON Canada |
| 20171117 | 2326 | 335 | YLD | --- | 400 | Chapleau, ON Canada |
| 20171126 | 0305 | 335 | SW | 1030 | --- | Newburgh, NY USA |
| 20171117 | 2326 | 336 | BV | --- | 400 | Champlain, QC Canada |
| 20171124 | 0352 | 336 | MA | --- | 1010 | Cadillac, MI USA (4) |
| 20171117 | 2328 | 338 | PST | 1020 | 1020 | Porto Santo, Madeira |
| 20171117 | 2331 | 338 | ZEM | --- | 400 | Eastmain, QC Canada |
| 20171124 | 0356 | 338 | DE | 1020 | --- | Detroit, MI |
| 20171126 | 0439 | 338 | POB | 1060 | --- | Fayetteville, NC USA |
| 20171117 | 2333 | 339 | YFT | --- | 400 | Makkovik, NL Canada |
| 20171117 | 2336 | 340 | YY | 400 | 400 | Mont-Joli, QC Canada |
| 20171117 | 2337 | 340 | ZJT | --- | 400 | Stephenville, NL Canada |
| 20171117 | 2335 | 341 | GF | 1020 | 1020 | Aylesford/Greenwood, NS Canada |
| 20171117 | 2338 | 341 | YYU | --- | 400 | Kapuskasing, ON Canada |
| 20171117 | 2341 | 343 | ZBM | --- | 400 | Bromont, QC Canada |
| 20171117 | 2342 | 344 | YGV | --- | 400 | Havre-St-Pierre, QC Canada |
| 20171126 | 0312 | 344 | IWJ | 1030 | --- | Blakely, GA USA |
| 20171120 | 0248 | 345 | CSD | 400 | 400 | Daouarat, Morocco |
| 20171120 | 0104 | 346 | 1D | --- | 430 | Charlottetown, NL Canada |
| 20171126 | 0315 | 346 | YXL | --- | 400 | Sioux Lookout, ON Canada |
| 20171127 | 0212 | 346 | VU | --- | 1020 | Albemarle, NC USA |
| 20171117 | 2343 | 350 | DF | 400 | 400 | Deer Lake, NL Canada |
| 20171123 | 0320 | 350 | D7 | 1050 | --- | Kincardine, ON Canada |
| 20171125 | 0333 | 350 | F2 | 410 | --- | Searose FPSO, Grand Banks, NL Canada |
| 20171117 | 2348 | 351 | YKQ | --- | 400 | Waskaganish, QC Canada |
| 20171122 | 0238 | 351 | PD | --- | 1040 | Ponta Delgada, Azores (2) |
| 20171123 | 1102 | 351 | MSQ | --- | 1020 | Culpeper, VA USA |
| 20171123 | 0322 | 353 | QG | --- | 380 | Windsor, ON Canada |
| 20171125 | 0338 | 355 | YWP | --- | 400 | Webequie, ON Canada |
| 20171117 | 2349 | 356 | YBG | 1020 | 1020 | Bagotville, QC Canada |
| 20171117 | 2350 | 356 | AY | 400 | 400 | St. Anthony, NL Canada |
| 20171126 | 0321 | 356 | AR | --- | 1020 | Providence, RI USA |
| 20171127 | 0207 | 356 | HEU | 1010 | --- | Schenectady, NY USA |
| 20171117 | 2350 | 358 | NL | --- | 400 | Signal Hill/St. John's NL Canada |
| 20171125 | 0340 | 358 | OG | 1050 | 1020 | Ogdensburg, NY USA |

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|----------|------|-------|-----|------|------|-------------------------------------|
| 20171127 | 0204 | 359 | NA | 400 | --- | Narsarsuaq, Greenland |
| 20171117 | 2352 | 360 | PN | 400 | 400 | Port-Menier, QC Canada |
| 20171120 | 0258 | 360 | HT | 1020 | 1020 | Horta/Faial Island, Azores |
| 20171117 | 2353 | 362 | SC | --- | 330 | Sherbrooke, QC Canada |
| 20171117 | 2353 | 362 | SB | --- | 400 | Sudbury, ON Canada |
| 20171126 | 0426 | 362 | GND | 1030 | --- | Port Salines, Grenada |
| 20171120 | 0122 | 363 | 1F | 410 | 400 | Bathurst, NB Canada |
| 20171123 | 0326 | 363 | RNB | 1050 | --- | Millville, NJ USA |
| 20171117 | 2355 | 364 | ZHZ | --- | 400 | Halifax, NS Canada |
| 20171123 | 0343 | 365 | PAL | 1030 | --- | Palma, Ecuador |
| 20171117 | 2356 | 366 | YMW | --- | 400 | Maniwaki, QC Canada |
| 20171120 | 0300 | 366 | AU | 1050 | --- | Auburn, ME USA |
| 20171123 | 0012 | 366.5 | NRA | 400 | 400 | M/V Noble Regina Allen (3) |
| 20171126 | 0424 | 367 | FVX | --- | 1030 | Farmville, VA USA |
| 20171118 | 0119 | 368 | ZYZ | --- | 400 | Toronto, ON Canada |
| 20171120 | 0128 | 369 | ZDX | 1020 | 1020 | St. John, Antigua |
| 20171118 | 0001 | 371 | STR | --- | 1020 | Sintra, Portugal |
| 20171125 | 0356 | 371 | GW | --- | 400 | Kuujuuarapik, QC Canada |
| 20171118 | 0003 | 372 | OZN | 400 | 400 | Prins Christian Sund, Greenland |
| 20171126 | 0332 | 372 | CQD | 1060 | --- | Erie, PA USA |
| 20171118 | 0002 | 373 | 2Q | 400 | 400 | Mont-Laurier, QC Canada |
| 20171123 | 0026 | 375 | 7B | --- | 400 | St. Thomas, ON Canada |
| 20171123 | 0222 | 375 | PJS | --- | 1020 | Newport News, VA USA |
| 20171120 | 0134 | 376 | BJA | 410 | 400 | Beja, Portugal |
| 20171120 | 0135 | 376 | HIE | 1020 | --- | Valverde/El Hierro, Canary Islands |
| 20171126 | 0336 | 376 | LC | 1040 | 1020 | Columbus, OH USA |
| 20171126 | 0559 | 376 | BHC | --- | 1020 | Baxley, GA USA |
| 20181118 | 0014 | 377 | YRR | --- | 400 | Greely/Ottawa, ON Canada |
| 20171118 | 0015 | 378 | RJ | 400 | 400 | Roberval, QC Canada |
| 20171118 | 0016 | 378 | HO | --- | 400 | Hopedale, NL Canada |
| 20171118 | 0019 | 379 | YPQ | --- | 400 | Peterborough, ON Canada |
| 20171123 | 0227 | 379 | BRA | 1040 | 1040 | Asheville, NC USA |
| 20171120 | 0141 | 380 | FIL | 1020 | 1020 | Horta/Faial Island, Azores |
| 20171124 | 0325 | 381.5 | SJX | --- | 1020 | Beaver Island, MI USA |
| 20171120 | 0142 | 382 | LAR | 1020 | 1020 | Arruda, Portugal |
| 20171120 | 0143 | 382 | BT | 420 | 380 | Burlington, VT USA |
| 20171118 | 0021 | 382 | YPL | --- | 400 | Pickle Lake, ON Canada |
| 20171124 | 0327 | 382 | 7P | --- | 1020 | Iroquois Falls, ON Canada |
| 20171118 | 0124 | 382 | SF | 400 | 400 | Kangerlussuaq, Greenland |
| 20171118 | 0023 | 384 | F8 | 400 | 400 | Victoriaville, QC Canada |
| 20171123 | 0236 | 384 | ADX | 1040 | --- | Andraitx/Mallorca, Balearic Islands |
| 20171118 | 0147 | 385 | PTP | 400 | --- | Pointe à Pitre, Guadeloupe |
| 20171126 | 0342 | 385 | EMR | 1060 | --- | Augusta, GA USA |
| 20171120 | 0148 | 386 | SP | 400 | 400 | St. Pierre, St Pierre et Miquelon |
| 20171118 | 0025 | 386 | GMA | 1020 | --- | Whitefield, NH USA |
| 20171118 | 0026 | 387 | 6E | 400 | 400 | Grand Manan, NB Canada |
| 20171118 | 0028 | 388 | H7 | --- | 400 | Manitowaning, ON Canada |
| 20171120 | 0149 | 389 | CP | 1020 | 1020 | Caparica, Portugal |
| 20171118 | 0030 | 390 | JT | --- | 400 | Stephenville, NL Canada |
| 20171118 | 0031 | 391 | 3B | --- | 400 | Brockville, ON Canada |
| 20171118 | 0031 | 391 | DDP | 600 | 600 | Dorado/San Juan, Puerto Rico |
| 20171118 | 0033 | 391 | OO | --- | 400 | Oshawa, ON Canada |
| 20171118 | 0033 | 392 | ML | 400 | 400 | Charlevoix, QC Canada |
| 20171118 | 0036 | 392 | KF | --- | 1010 | Keflavik, Iceland |
| 20171126 | 0554 | 393 | FGP | 1070 | --- | Fort Bragg, NC USA |
| 20171120 | 0155 | 394 | IZA | 1020 | --- | Ibiza, Balearic Islands (Spain) |
| 20171123 | 0242 | 395 | FOY | 400 | 400 | Foynes/Shannon, Ireland |

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|-----------------|-------------|------------|------------|-------------|-------------|---------------------------------------|
| 20171120 | 0159 | 396 | NEL | 1060 | --- | Lakehurst, NJ USA |
| 20171118 | 0038 | 396 | JC | --- | 400 | Rigolet, NL Canada |
| 20171118 | 0039 | 397 | ZST | --- | 400 | St. John, NB Canada |
| 20171124 | 0333 | 397 | OW | 1060 | --- | Norwood, MA USA |
| 20171120 | 0201 | 397 | FV | 1060 | --- | Fuerteventura, Canary Islands |
| 20171118 | 0127 | 400 | PTD | 1020 | --- | Potsdam, NY USA |
| 20171125 | 0247 | 400 | CI | 1040 | --- | Ste. St. Marie, MI USA |
| 20171125 | 0248 | 400 | NHK | 1060 | --- | Patuxent River NAS, MD USA |
| 20171126 | 0349 | 400 | FO | --- | 1020 | Westhampton Beach, NY USA |
| 20171118 | 0039 | 401 | Y8 | --- | 400 | Drummondville, QC Canada |
| 20171120 | 0207 | 402 | MQ | 400 | 400 | Miquelon, St. Pierre et Miquelon |
| 20171126 | 0352 | 403 | ZTO | --- | 390 | Brampton/Toronto, ON Canada |
| 20171120 | 0208 | 404 | LRD | 1030 | --- | Lérida, Spain |
| 20171118 | 0041 | 404 | YSL | 400 | 400 | St. Leonard, NB Canada |
| 20171125 | 0250 | 404 | CKI | --- | 1020 | Kingstree, SC USA |
| 20171125 | 0257 | 405 | 5 | --- | 1200 | UNIDENTIFIED (5) |
| 20171118 | 0042 | 407 | ZHU | --- | 400 | Montreal, QC Canada |
| 20171124 | 0338 | 407 | FR | 1050 | --- | Farmingdale, NY USA |
| 20171125 | 0253 | 407 | IL | 1040 | 1040 | Wilmington, OH USA |
| 20171126 | 0548 | 407 | BZ | 1020 | --- | Statesboro, GA USA |
| 20171124 | 2347 | 408 | SN | --- | 390 | St. Catharines, ON Canada |
| 20171118 | 0152 | 409 | YTA | --- | 400 | Pembroke, ON Canada |
| 20171123 | 0038 | 410 | C | 1040 | 1020 | La Coruña, Spain |
| 20171123 | 0255 | 410 | JU | --- | 1010 | West Jefferson, NC USA |
| 20171125 | 0308 | 410 | SO | --- | 1020 | Marquette, MI USA |
| 20171126 | 0359 | 410 | BA | 1060 | 1030 | Columbus, IN USA |
| 20171123 | 0256 | 412 | CTZ | 1020 | --- | Clinton, NC USA |
| 20171118 | 0043 | 414 | 3U | --- | 400 | Gatineau, QC Canada |
| 20171124 | 0343 | 414 | FDW | 1030 | --- | Winnsboro, SC USA |
| 20171126 | 0403 | 414 | AZE | 1030 | --- | Hazlehurst, GA USA |
| 20171126 | 0543 | 414 | MSD | 1030 | --- | Mansfield, LA USA |
| 20171123 | 0340 | 415 | SLS | --- | 1020 | Salinas, Ecuador |
| 20171120 | 0219 | 415 | CBC | --- | 400 | Cayman Brac, Cayman Islands |
| 20171126 | 0540 | 417 | SLP | 1020 | --- | Shelby, NC USA |
| 20171123 | 0043 | 420 | CFY | --- | 1010 | Lake City, SC USA |
| 20171127 | 0131 | 420 | PI | 400 | 400 | Pico Island/Madalena, Azores |
| 20171120 | 0225 | 421 | GE | 1020 | 1020 | Getafe (Madrid), Spain |
| 20171125 | 0317 | 423 | PCW | 1020 | --- | Port Clinton, OH USA |
| 20171127 | 0220 | 425 | EVR | 400 | --- | Evora, Portugal |
| 20171127 | 0123 | 428 | GC | 1020 | 1010 | Santa Cruz de Graciosa, Azores |
| 20171127 | 0120 | 432 | IZN | --- | 1020 | Lincolnton, NC USA |
| 20171127 | 0112 | 433 | JER | 1040 | --- | Jérez, Spain |
| 20171127 | 0115 | 433 | VON | 1070 | 1000 | Vigo, Spain |
| 20171118 | 0054 | 516 | YWA | 1020 | 1020 | Petawawa, ON Canada |
| 20171118 | 0055 | 520 | F9 | --- | 400 | Miramichi/Chatham, NB Canada |
| 20171127 | 0246 | 520 | BHZ | 1030 | --- | Belo Horizonte, Brazil |

Notes:

- (1) Other sources say 3E-242 is the Triumph Platform.
- (2) PD-351 has odd keying that sounds like "AND."
- (3) NRA-366.5 is M/V Noble Regina Allen, a vessel moored at Halifax, NS.
- (4) MA-336 bad keying sounds like "MET."
- (5) 5-405 is a longstanding unidentified signal in North America.

Local time (EST) is UTC -5 hours; offsets are estimates based on nominal carrier frequency.

Andy Robins

Receiver: KiwiSDR near Lubec, Maine, USA (FN64mu) (44.8586N 66.9836W)
Antennas: 160' D-Kaz at 45° and a 1,000' unterminated BOG at 75°/255°