# Channel duration and Sampling rate

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Duration | Channels | 20 Hz | 40 Hz | 50 Hz | 80 Hz | 100 Hz | 200 Hz | Unique Stations |
| Less 1 year | 1714 | 14 | 553 | 108 | 0 | 886 | 153 | 372 |
| 1 - 2 years | 1209 | 27 | 963 | 66 | 0 | 150 | 3 | 364 |
| 2 - 3 years | 697 | 66 | 294 | 135 | 7 | 195 | 0 | 202 |
| 3 - 4 years | 261 | 3 | 96 | 48 | 0 | 114 | 0 | 57 |
| 4 - 5 years | 261 | 3 | 126 | 3 | 0 | 129 | 0 | 51 |
| 5+ years | 286 | 22 | 117 | 12 | 6 | 123 | 6 | 59 |

# Summary of Channels with 5+ Years Duration:

# Total 40 Hz Channels: 117

# Unique 40 Hz Channels: 5

# 40 Hz Channel Names: BH1, BH2, BHE, BHN, BHZ

# Unique 40 Hz Stations: 33

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Network | Station | Location(s) | Channel(s) | Start Time | End Time | Duration (Years) |
| IM | TKL | -- | BHE, BHN, BHZ | 2006-08-09 14:09:00 | 2013-05-03 14:09:00 | 6.73 |
| IU | SSPA | 10 | BH1, BH2, BHZ | 2012-08-31 05:59:00 | 2017-09-23 22:30:00 | 5.06 |
| IU | WCI | 10 | BH1, BH2, BHZ | 2010-08-23 00:00:00 | 2023-05-10 18:30:00 | 12.71 |
| IU | WVT | 10 | BH1, BH2, BHZ | 2011-01-23 00:00:00 | 2017-11-16 00:00:00 | 6.81 |
| LD | BRNJ | -- | BHE, BHN, BHZ | 1999-11-08 00:00:00 | 2010-04-14 12:59:59 | 10.43 |
| LD | MVL | -- | BHE, BHN, BHZ | 2001-02-12 00:00:00 | 2011-03-16 18:00:00 | 10.09 |
| LD | PANJ | -- | BHE, BHN, BHZ | 2013-01-11 17:00:00 | 2018-07-19 23:00:00 | 5.52 |
| N4 | 152A | -- | BHE, BHN, BHZ | 2014-02-03 22:45:20 | 2019-03-17 00:00:00 | 5.11 |
| N4 | 257A | -- | BHE, BHN, BHZ | 2014-01-21 16:17:08 | 2019-03-17 00:00:00 | 5.15 |
| N4 | P46A | -- | BHE, BHN, BHZ | 2013-12-20 18:36:39 | 2019-03-17 00:00:00 | 5.24 |
| N4 | U49A | -- | BHE, BHN, BHZ | 2014-02-24 17:02:38 | 2019-03-17 00:00:00 | 5.05 |
| N4 | V53A | -- | BHE, BHN, BHZ | 2014-03-14 15:52:30 | 2019-03-17 00:00:00 | 5.01 |
| N4 | W52A | -- | BHE, BHN, BHZ | 2014-03-11 18:25:52 | 2019-03-17 00:00:00 | 5.01 |
| N4 | X48A | -- | BHE, BHN, BHZ | 2013-12-16 15:33:23 | 2019-03-17 00:00:00 | 5.25 |
| NM | BLO | -- | BHE, BHN, BHZ | 2014-02-13 20:05:00 | 2024-09-18 16:06:00 | 10.6 |
| NM | USIN | -- | BHE, BHN, BHZ | 2005-05-19 17:20:00 | 2024-09-18 19:00:00 | 19.34 |
| TA | KMSC | -- | BHE, BHN, BHZ | 2008-10-13 00:00:00 | 2018-08-15 20:35:16 | 9.84 |
| TA | N59A | -- | BHE, BHN, BHZ | 2010-11-08 00:00:00 | 2016-04-19 14:45:00 | 5.45 |
| TA | O56A | -- | BHE, BHN, BHZ | 2010-11-05 00:00:00 | 2016-04-14 23:30:00 | 5.44 |
| TA | P52A | -- | BHE, BHN, BHZ | 2012-08-18 19:00:00 | 2018-09-27 17:30:00 | 6.11 |
| TA | SFIN | -- | BHE, BHN, BHZ | 2008-10-09 00:00:00 | 2018-08-15 20:35:16 | 9.85 |
| US | ACSO | 00 | BH1, BH2, BHZ | 2012-08-18 00:00:00 | 2020-03-12 00:00:00 | 7.56 |
| US | BLA | --, 00 | BH1, BH2, BHE, BHN, BHZ | 1996-07-10 00:00:00 | 2024-09-17 19:30:00 | 28.19 |
| US | CBN | 00 | BH1, BH2, BHZ | 2011-05-02 20:34:00 | 2016-05-11 17:34:00 | 5.03 |
| US | CEH | -- | BHE, BHN, BHZ | 1995-05-07 00:00:00 | 2001-10-01 00:00:00 | 6.4 |
| US | CNNC | 00 | BH1, BH2, BHZ | 2012-08-29 17:10:00 | 2018-09-25 04:00:00 | 6.07 |
| US | GOGA | --, 00, 10 | BH1, BH2, BHE, BHN, BHZ | 1996-07-05 00:00:00 | 2022-12-04 14:00:00 | 26.42 |
| US | GWDE | -- | BHE, BHN, BHZ | 1995-09-07 00:00:00 | 2001-05-11 00:00:00 | 5.68 |
| US | MCWV | --, 00 | BH1, BH2, BHE, BHN, BHZ | 1997-06-04 00:00:00 | 2024-05-17 14:00:00 | 26.95 |
| US | MYNC | -- | BHE, BHN, BHZ | 1996-07-06 00:00:00 | 2005-06-01 21:54:00 | 8.91 |
| US | NHSC | 00 | BH1, BH2, BHZ | 2018-10-28 15:30:00 | 2024-06-11 20:45:00 | 5.62 |
| US | WCI | -- | BHE, BHN, BHZ | 1996-11-06 00:00:00 | 2006-10-08 00:00:00 | 9.92 |
| US | WVT | -- | BHE, BHN, BHZ | 1996-11-17 00:00:00 | 2006-10-08 00:00:00 | 9.89 |

# Summary of Channels with 5+ Years Duration:

* Total 100 Hz Channels: 123
* Unique 100 Hz Channels: 5
* 100 Hz Channel Names: HH1, HH2, HHE, HHN, HHZ
* Unique 100 Hz Stations: 35

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Network | Station | Location(s) | Channel(s) | Start Time | End Time | Duration (Years) |
| 6O | OHIO | -- | HHE, HHN, HHZ | 2016-06-01 00:00:00 | 2025-12-31 00:00:00 | 9.58 |
| 6O | SHOE | -- | HHE, HHN, HHZ | 2016-06-01 00:00:00 | 2025-12-31 00:00:00 | 9.58 |
| CO | BIRD | 00 | HHE, HHN, HHZ | 2012-04-19 17:59:00 | 2024-02-09 16:00:00 | 11.81 |
| CO | HAW | 00 | HH1, HH2, HHZ | 2015-09-10 15:40:00 | 2022-05-19 16:00:00 | 6.69 |
| CO | HODGE | 00 | HHE, HHN, HHZ | 2012-04-20 16:00:00 | 2018-07-30 21:26:30 | 6.28 |
| CO | PAULI | 00 | HHE, HHN, HHZ | 2011-04-26 16:00:00 | 2023-10-06 18:00:00 | 12.45 |
| ET | CPCT | --, 00 | HHE, HHN, HHZ | 2003-03-24 00:00:00 | 2021-03-09 20:00:00 | 17.96 |
| ET | SWET | 00 | HHE, HHN, HHZ | 2010-08-04 00:00:01 | 2021-02-09 21:00:00 | 10.52 |
| IU | SSPA | 10 | HH1, HH2, HHZ | 2012-08-31 05:59:00 | 2017-09-23 22:30:00 | 5.06 |
| IU | WCI | 10 | HH1, HH2, HHZ | 2010-08-23 00:00:00 | 2023-05-10 18:30:00 | 12.71 |
| IU | WVT | 10 | HH1, HH2, HHZ | 2011-01-23 00:00:00 | 2017-11-16 00:00:00 | 6.81 |
| LD | FMPA | -- | HHE, HHN, HHZ | 2011-03-17 16:00:00 | 2016-09-30 00:00:00 | 5.54 |
| LD | LUPA | -- | HHE, HHN, HHZ | 2001-01-01 00:00:00 | 2007-09-13 15:59:00 | 6.7 |
| LD | MVL | -- | HHE, HHN, HHZ | 2011-03-16 20:00:00 | 2016-08-29 00:00:00 | 5.45 |
| LD | PANJ | -- | HHE, HHN, HHZ | 2013-01-11 17:00:00 | 2018-07-19 23:00:00 | 5.52 |
| MU | EARS | -- | HHE, HHN, HHZ | 2016-01-01 00:00:00 | 2021-07-27 00:00:00 | 5.57 |
| MU | MUB2 | -- | HHE, HHN, HHZ | 2016-01-01 00:00:00 | 2021-11-17 00:00:00 | 5.88 |
| MU | MUG1 | -- | HHE, HHN, HHZ | 2016-01-01 00:00:00 | 2021-11-09 00:00:00 | 5.86 |
| MU | MUM1 | -- | HHE, HHN, HHZ | 2017-01-01 00:00:00 | 2022-05-04 00:00:00 | 5.34 |
| N4 | 152A | -- | HHE, HHN, HHZ | 2014-02-03 22:45:20 | 2019-03-17 00:00:00 | 5.11 |
| N4 | 257A | -- | HHE, HHN, HHZ | 2014-01-21 16:17:08 | 2019-03-17 00:00:00 | 5.15 |
| N4 | 352A | 00 | HH1, HH2, HHZ | 2019-03-11 21:33:00 | 2025-02-02 21:00:00 | 5.9 |
| N4 | N58A | 00 | HH1, HH2, HHZ | 2019-04-09 15:01:00 | 2024-10-17 22:30:00 | 5.53 |
| N4 | O49A | 00 | HH1, HH2, HHZ | 2019-03-12 19:54:00 | 2024-03-19 19:00:00 | 5.02 |
| N4 | O52A | 00 | HH1, HH2, HHZ | 2019-03-12 20:05:00 | 2024-03-20 18:00:00 | 5.02 |
| N4 | P46A | -- | HHE, HHN, HHZ | 2013-12-20 18:36:39 | 2019-03-17 00:00:00 | 5.24 |
| N4 | R49A | 00 | HH1, HH2, HHZ | 2019-03-11 19:51:00 | 2025-01-27 17:30:00 | 5.88 |
| N4 | U49A | -- | HHE, HHN, HHZ | 2014-02-24 17:02:38 | 2019-03-17 00:00:00 | 5.05 |
| N4 | V53A | -- | HHE, HHN, HHZ | 2014-03-14 15:52:30 | 2019-03-17 00:00:00 | 5.01 |
| N4 | W52A | -- | HHE, HHN, HHZ | 2014-03-11 18:25:52 | 2019-03-17 00:00:00 | 5.01 |
| N4 | X48A | -- | HHE, HHN, HHZ | 2013-12-16 15:33:23 | 2019-03-17 00:00:00 | 5.25 |
| NM | BLO | -- | HHE, HHN, HHZ | 2014-02-13 20:05:00 | 2024-09-18 16:06:00 | 10.6 |
| NM | USIN | -- | HHE, HHN, HHZ | 2005-05-19 17:20:00 | 2024-09-18 19:00:00 | 19.34 |
| OH | SLSO | -- | HHE, HHN, HHZ | 2018-07-06 00:00:00 | 2023-09-12 00:00:00 | 5.19 |
| PE | UPAO | -- | HHE, HHN, HHZ | 2014-04-07 16:27:52 | 2022-10-26 14:59:59 | 8.55 |