

Logging for Amateur Radio



Why Logging?

1. Legal
 - a. No legal requirement to maintain a log. (Removed in 1983)
 - b. Defend yourself in case of an FCC complaint
2. Operational
 - a. Confirming contacts
3. Personal
 - a. History of your amateur radio adventure



Types of Logging

1. Paper
 - a. Cumbersome
 - b. Harder to maintain
 - c. Quick in a pinch
2. Web
 - a. Rig Control
 - b. Access
3. Mobile/Tablet
 - a. Rig Control
4. PC/Mac/Linux



Web Logging

1. Sites

- a. QRZ
- b. Cloudlog and Wavelog
 - i. Self-hosted
 - ii. download from GitHub
- c. Smart Logger
 - i. Offline mode
 - ii. Synchronization
- d. Hamlog



Mobile Logging Applications

Android and iOS Logging

1. HAMRS
2. Smart Logger
3. Ham2K PoLo (Portable Logger)
4. World Radio League
5. Ham Radio Log
6. Ham Log



PC Logging Software

Applications

1. General Logging
 - a. Log4OM
 - b. Ham Radio Deluxe
 - c. N3FJP
 - d. DX Keeper (DX Lab Suite)
2. Contest Logging
 - a. N1MM
 - b. Log4OM
 - c. N3FJP
 - d. DXLog

Enhancements

1. Rig/Rotor Control
2. Maps
3. Callsign Lookup
4. Worked before
5. Weather (local and space)
6. Propagation (VOACAP)
7. Various DX Clusters
8. Spotting
9. Awards
10. QSL Label Printing
11. Log upload/download
 - a. QRZ, LOTW, Clublog, HRD Log, etc.
12. Many, many more



RX TX **14290000** **7074000**

Azimuth 110° Elevation 290°

K8MRD S 59 R 59

Mike R Dahlhofer Grid **EM20fr** Start 3/22/2025 21:41:33 End 3/22/2025 21:41:33

Band 20m Mode USB Comment Note

Ccountry United States Of Americ ITU 8 CQ 4 291

KHz Hz KHz Hz Freq 14290 000 RX Freq 14290 000 RX Band 20m

Stats (F1) Info (F2) Awards (F3) My (F4) Extended (F5)

| NEW ONE | NEW BAND | NEW MODE |
|----------------|--|--------------|
| NEW GRID | GRID BAND | GRID MODE |
| Country - Call | 20m - Call | PHONE - Call |
| QSL | QSL | QSL |
| EQSL | EQSL | EQSL |
| LOTW | LOTW | LOTW |
| QRZCOM | QRZCOM | QRZCOM |
| 291 | 160 80 60 40 30 20 17 15 12 10 6 4 V U | |
| PH | | |
| CW | | |
| DIG | | |



Main (F6) Recent QSO's (F7) Cluster (F8) Propagation (F9) Worked before (F10) Weather (F11)

| Date | Time | Spot Mode | Callsign | Frequency | Flag | Country | Reliability | Band | Emission Type | Modulation Type |
|----------|-------|-----------|----------|-----------|------|--------------------------|-------------|------|---------------|-----------------|
| 20250322 | 2125Z | CW | K7SS | 14030.9 | USA | United States Of America | 90 | 20m | CW | USB |
| 20250322 | 2122Z | CW | W7RF | 14020.6 | USA | United States Of America | 90 | 20m | CW | USB |
| 20250322 | 2111Z | | KE7NGO | 14105.0 | USA | United States Of America | 90 | 20m | DIGITAL | USB |

Statistics Filters Beam View

B&M Misc

Mode Lock Band lock

CW Digital

Exclude FT(x) Phone

Hide worked Keep bands

Keep mode on band


Callsign filter CALLSIGN

Band filter: 80m, 40m, **20m**, 17m, 15m, 12m, 10m, 2m

CONNECTED SC DISCONNECTED Last update: 3/22/2025 9:41:16 PM

Hide info >>

RX TX **14290000** **7074000** RX TX 1 [gear icon] Azimuth 110° Elevation 290° [lock icon] 0 [globe icon] [antenna icon] [mic icon] [speaker icon] [power icon] [battery icon]


K8MRD  s 59 R 59

Mike R Dahlhofer Grid **EM20fr** Start 3/22/2025 21:42:31 End 3/22/2025 21:42:31

Band 20m Mode USB Country United States Of America

Comment Note [lock icon]

[WKD SAME BAND] [LOTW USER] [QRZ.COM] [CTY CQ EXC] [CTY ITU EXC]

ITU 8 CQ 4 291 

Freq 14290 000 RX Freq 14290 000 RX Band 20m

Stats (F1) Info (F2) Awards (F3) My (F4) Extended (F5)

| | | |
|----------------|------------------|------------------|
| NEW ONE | NEW BAND | NEW MODE |
| NEW GRID | GRID BAND | GRID MODE |
| Country - Call | 20m - Call | PHONE - Call |
| QSL | QSL | QSL |
| EQSL | EQSL | EQSL |
| LOTW | LOTW | LOTW |
| QRZCOM | QRZCOM | QRZCOM |

291 160 80 60 40 30 20 17 15 12 10 6 4 V U

PH [grid]

CW [grid]

DIG [grid]



Main (F6) Recent QSO's (F7) Cluster (F8) Propagation (F9) Worked before (F10) Weather (F11)

| Qso Date | Callsign | Band | Mode | Dxcc | Country | Name | Freq | Rst Sent | Rst Rcvd | Comment |
|--------------------|----------|------|------|------|--------------------------|------------------------|-----------|----------|----------|-------------------------|
| 2/16/2025 00:11:23 | N9AAA | 10m | FT4 | 291 | United States | Norbert P Aurt, Jr | 28181.960 | +04 | -04 | FT4 Sent: +04 Rcvd: -04 |
| 2/16/2025 00:07:00 | ZL1VAH | 10m | FT8 | 170 | New Zealand | Andy | 28075.960 | -01 | -13 | FT8 Sent: -01 Rcvd: -13 |
| 2/15/2025 23:59:45 | JM8DLG | 10m | FT8 | 339 | Japan | Fujio | 28075.960 | +01 | -18 | FT8 Sent: +01 Rcvd: -18 |
| 2/15/2025 23:58:45 | KC0VTJ | 10m | FT8 | 291 | United States | Jeremiah | 28075.960 | +01 | -11 | FT8 Sent: +01 Rcvd: -11 |
| 2/15/2025 22:32:27 | K8MRD | 10m | USB | 291 | United States Of America | | 28368.000 | 54 | 52 | US-3019 |
| 2/9/2025 23:17:48 | NK5P | 15m | RTTY | 291 | United States Of America | Alan S Dingeldein | 21098.310 | 599 | 599 | |
| 2/9/2025 23:08:20 | KH6TU | 15m | RTTY | 110 | Hawaii | Wailuku Dx Association | 21093.460 | 599 | 599 | |
| 2/9/2025 22:54:45 | W7II | 15m | RTTY | 291 | United States Of America | William W Frede | 21087.340 | 599 | 599 | |
| 2/9/2025 22:52:43 | KS0AA | 15m | RTTY | 291 | United States Of America | Anatoli A Antonets | 21083.230 | 599 | 599 | |
| 2/9/2025 22:49:04 | KH7X/NZ7 | 15m | RTTY | 291 | United States Of America | Oahu Contest Club | 21080.320 | 599 | 599 | |

Select/deselect Filters QSO Map [lock icon] Selected 1 of 1249 max: 5000 [lock icon]

RX TX 14300000 7074000

1

Azimuth


110°

Elevation

290°

0

K8MRD  S 59 R 59

Mike R Dahlhofer 

Grid EM20fr

Start 3/22/2025 21:45:39

End 3/22/2025 21:45:39

Band 20m

Comment

Mode USB

Note

Country United States Of Americ

[WKD SAME BAND]
[LOTW USER] [QRZ.COM]
[CTY CQ EXC]
[CTY ITU EXC]

ITU 8 CQ 4 291

Ereq 14300 000

KHz

Hz

KHz

Hz

RX Freq 14300 000

RX Band 20m

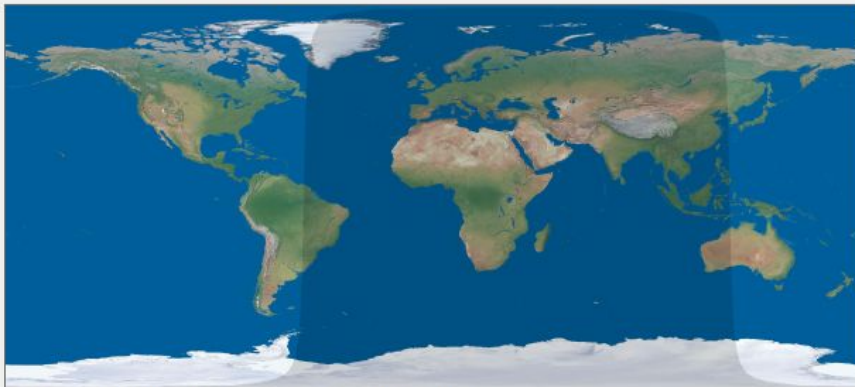
Stats (F1) Info (F2) Awards (F3) My (F4) Extended (F5)

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|----------------|------------|--------------|
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| QSL | QSL | QSL |
| EQSL | EQSL | EQSL |
| LOTW | LOTW | LOTW |
| QRZCOM | QRZCOM | QRZCOM |

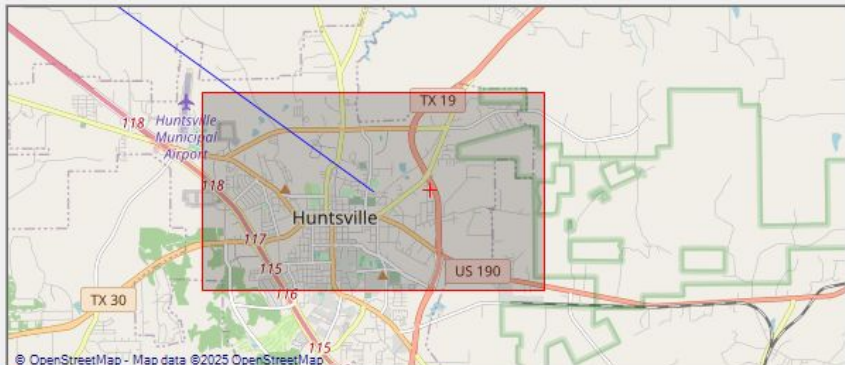
| | | | | | | | | | | | | | | |
|-----|-----|----|----|----|----|----|----|----|----|----|---|---|---|---|
| 291 | 160 | 80 | 60 | 40 | 30 | 20 | 17 | 15 | 12 | 10 | 6 | 4 | V | U |
| PH | | | | | | | | | | | | | | |
| CW | | | | | | | | | | | | | | |
| DIG | | | | | | | | | | | | | | |



Main (F6) Recent QSO's (F7) Cluster (F8) Propagation (F9) Worked before (F10) Weather (F11)



Sunrise: 12:23:40 UTC Sunset: 00:34:29 UTC



EM20fr SP 110.25 LP 290.25 1647 Mi

Links

[Removal of logging requirement](#)

[Log4OM](#)

[Ham Radio Deluxe](#)

[HAMRS](#)

[PoLo](#)

[Smart Logger](#)

[DX Keeper](#)

[DXLog](#)

[World Radio League](#)

[N3FJP](#)

[N1MM](#)

[QRZ](#)

[Wavelog](#)

[Cloudlog](#)

[Hamlog](#)

[Omni-Rig](#)

[flrig](#)

[Hamlib](#)

