



LOGGING SOFTWARE FOR HAM RADIO

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DO I HAVE TO LOG MY CONTACTS?

NO

Logging ham radio contacts is not required by the FCC, *but it is encouraged.*



WHY WOULD I LOG MY CONTACTS?

- **Legal:** A log can be valuable in proving innocence in an interference complaint.
- **Operational:** It helps when filling out DX QSL cards.
- **Personal:** It preserves the memory of special QSOs and captures achievements like the number of grid squares or states worked.



TYPES OF LOGGING SOFTWARE

- **General:** Used for logging the majority of contacts.
- **Specialty:** Loggers used for contesting, POTA, SOTA, etc.

- **Free/DonationWare**
- **Paid**

HOW MANY LOGGERS EXIST?

A LOT!

<https://radio-hobbyist.com/ham-radio-logging-software/>

LOGGER TECHNOLOGY

- Installable clients
 - [Log4OM](#), [N3FJP](#), [Ham Radio Deluxe](#)
- Web Sites.
 - [QRZ](#), [LOTW](#), [HamQth](#), [ClubLog](#)
- Web Apps
 - [World Radio League](#), [Smart Logger](#)

INSTALLABLE CLIENTS

- May show distance maps
- Uploads to online loggers
- Reporting
- QRZ Lookup
 - (Some data requires subscription)
- Radio Interface

Log4OM

Free

Shows path to contact.

Uploads to online services

Tracks various awards

Radio & Rotor control

LOG4OM 2 v.2.34.0.0 [Profile: New config]

File Connect Contest View Utilities Settings Help

RX TX **14284500** **21055040** RX TX 1 Azimuth 67° Elevation 247° 0

W1AW S 59 R 59

Arri Hq Operators Club Grid **FN31pr** Start 2/ 6/2025 20:58:02 End 2/ 6/2025 20:58:02

Band 20m Mode USB Country United States Of Americ ITU 8 CQ 5 291

Freq 14284 500 RX Freq 14284 500 RX Band 20m

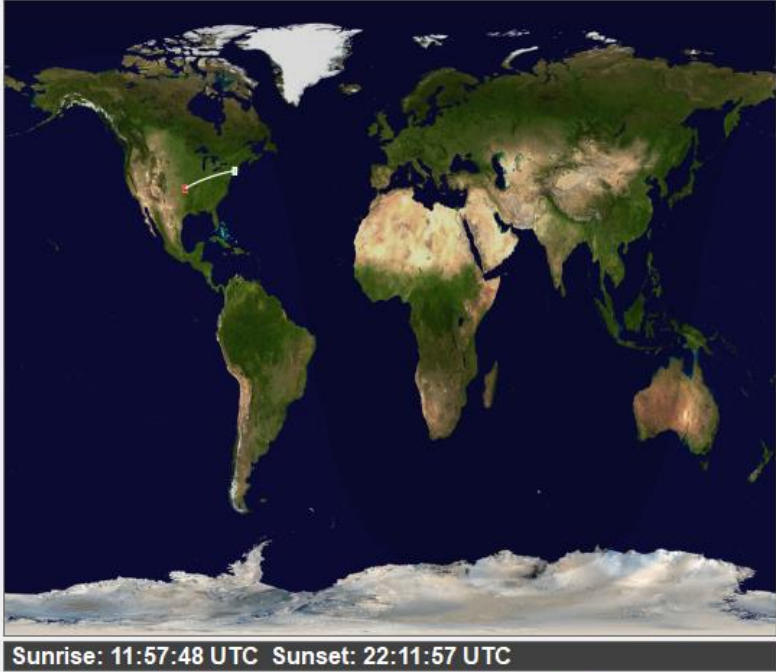
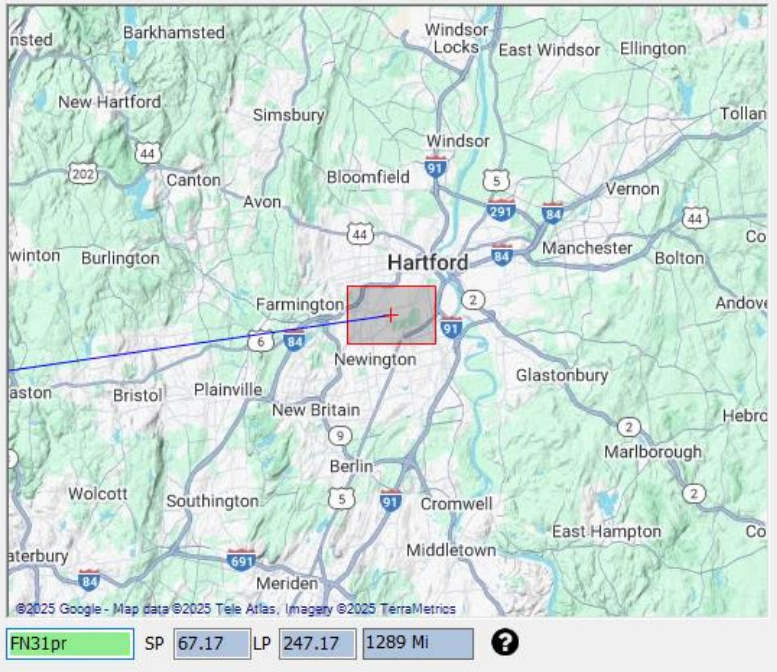
Stats (F1) Info (F2) Awards (F3) My (F4) Extended (F5)

| 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

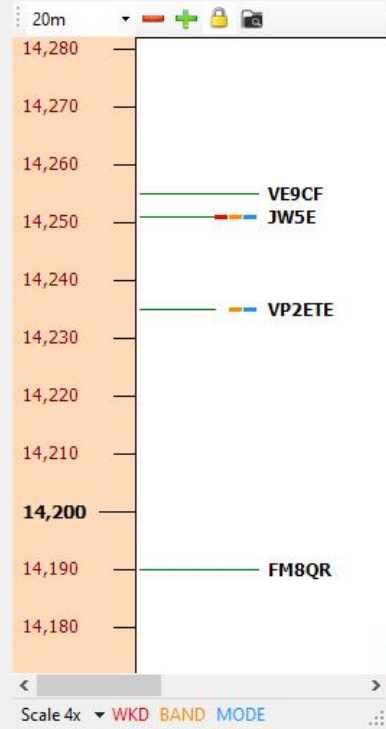
Main (F6) Recent QSO's (F7) Cluster (F8) Propagation (F9) Worked before (F10) Weather (F11)

Sunrise: 11:57:48 UTC Sunset: 22:11:57 UTC

QSO Count 18921 Cluster Cluster server Super Cluster CAT FLDigi Chat

H:\Log4OM\ka5pmv.SQLite



N3FJP (Amateur Contact Log)

Simpler user interface, radio interface, DX Spotting, Uploads to Club Log, eQSL, LOTW, QRZ. Has Contest specific versions

N3FJP's Amateur Contact Log 7.0.11 www.n3fjp.com

File Edit Settings Clear CallBook List Search Awards eLogs Recall Net View Help

Find
Recent Contacts 13 Listed QSOs

| Rec# | Call | Date / Time | Bnd | Mode | Power | Snt | Rec | Off | Country | ST | County | Name | MY_SIG | S | R | Comments |
|------|------|------------------|-----|------|-------|-----|-----|-------|---------|----|--------|------|--------|---|---|--|
| 78 | W1AW | 2024/08/14 18:38 | 20 | CW | 100 | 599 | 599 | 00:00 | USA | | | | | N | N | [POTA CA-2922 CA-AB DO22ru Anderson Creek Natural Area] test |
| 77 | W1AW | 2024/08/14 18:38 | 20 | CW | 100 | 599 | 599 | 00:00 | USA | | | | | N | N | [POTA CA-2922 CA-AB DO22ru Anderson Creek Natural Area] test |
| 76 | W1AW | 2024/08/14 18:38 | 20 | CW | 100 | 599 | 599 | 00:00 | USA | | | | | N | N | [POTA CA-2922 CA-AB DO22ru Anderson Creek Natural Area] test |
| 75 | W1AW | 2024/08/14 14:56 | 20 | SSB | 100 | 59 | 58 | 00:00 | USA | | | | | N | N | [POTA CA-2922 CA-AB DO22ru Anderson Creek Natural Area] |
| 74 | W1AW | 2024/08/14 14:56 | 20 | SSB | 100 | 59 | 58 | 00:00 | USA | | | | | N | N | [POTA CA-2922 CA-AB DO22ru Anderson Creek Natural Area] |
| 73 | W1AW | 2024/08/14 18:38 | 20 | CW | 100 | 599 | 599 | 00:00 | USA | | | | | N | N | [POTA CA-2922 CA-AB DO22ru Anderson Creek Natural Area] test |
| 72 | W1AW | 2024/08/14 18:38 | 20 | CW | 100 | 599 | 599 | 00:00 | USA | | | | | N | N | [POTA CA-2922 CA-AB DO22ru Anderson Creek Natural Area] test |
| 71 | W1AW | 2024/08/14 18:38 | 20 | CW | 100 | 599 | 599 | 00:00 | USA | | | | | N | N | [POTA CA-2922 CA-AB DO22ru Anderson Creek Natural Area] test |
| 70 | W1AW | 2024/08/14 18:38 | 20 | CW | 100 | 599 | 599 | 00:00 | USA | | | | | N | N | [POTA CA-2922 CA-AB DO22ru Anderson Creek Natural Area] test |
| 69 | W1AW | 2024/08/14 18:38 | 20 | CW | 100 | 599 | 599 | 00:00 | USA | | | | | N | N | [POTA CA-2922 CA-AB DO22ru Anderson Creek Natural Area] test |
| 68 | W1AW | 2024/08/14 18:38 | 20 | CW | 100 | 599 | 599 | 00:00 | USA | | | | | N | N | [POTA CA-2922 CA-AB DO22ru Anderson Creek Natural Area] test |
| 67 | W1AW | 2024/08/14 18:38 | 20 | CW | 100 | 599 | 599 | 00:00 | USA | | | | | N | N | [POTA CA-2922 CA-AB DO22ru Anderson Creek Natural Area] test |
| 66 | W1AW | 2024/08/14 18:38 | 20 | CW | 100 | 599 | 599 | 00:00 | USA | | | | | N | N | [POTA CA-2922 CA-AB DO22ru Anderson Creek Natural Area] test |

LogData.mdb

| Call | Date | Band | Mode | Power | Time On | Sent | Rec | Country |
|------|------------|------|------|-------|---------|------|-----|---------|
| W1AW | 2025/02/06 | 20 | SSB | 100 | 20:02 | 59 | 59 | USA |

| Name | State | County | Frequency | MY_SIG |
|------|-------|--------|-----------|--------|
| | | | 14.33200 | |

Bearing: 55

Miles: 1,523

Cont: NA

Comments

[POTA CA-2922 CA-AB DO22ru Anderson Creek Natural Area] test

Spot Last

2:02:30 PM

20:02:30 UTC

Log Contact

Time Off

Mac Loggers

- RumLogNG

The screenshot shows the RumLogNG application interface on a Mac. The title bar indicates the file path: /Users/paulreedy/Documents/W5NS.rlog. The interface is divided into several sections:

- Top Control Panel:** Contains fields for date (2/ 6/2025), time (21:10:30), callsign (KE4Q), frequency (7,038.3), mode (CW), power (599), and other logging parameters like Name, QTH, and QSO Note.
- Filtering and Settings:** Includes dropdowns for State (4, 6, 8 or 10), CC-NNN, Manager, QSL, LoTW, eQSL, CQ, ITU, Power (Mid Power), and Color (Nil). There are also fields for User_1 through User_4.
- DXCC Pfx and Club Log:** Two summary boxes showing DXCC Pfx data and Club Log xml data from 2024-03-26 08:31:29. Both boxes include a frequency range from 160 to 70 Sat.
- Logging Mode:** A button labeled "Save QSO" and a dropdown menu for "All QSOs".
- QSO List:** A table displaying a list of logged QSOs with columns for QSO, id, Date, Time, Callsign, Frequency, Mode, TX, RX, QSL, L..., St..., Note, Name, QTH, and User_1.
- Bottom Filter Bar:** A row of search and filter buttons for Month, Year, Callsign, Band, Mode, Continent, DXCC, Note, Manager, Grid or IOTA, and Color Code.

| QSO | id | Date | Time | Callsign | Frequ... | Mo... | TX | RX | QSL | L... | ... | St... | Note | Name | QTH | User_1 |
|-----|-----|---------|------|----------|----------|-------|-----|-----|-----|------|-----|-------|------|------|-----|--------|
| 119 | 119 | 1/28/24 | 0028 | KE4Q | 7,038.3 | CW | 599 | 599 | W | W | W | | | | | |
| 118 | 118 | 1/28/24 | 0026 | K5N | 7,035.5 | CW | 599 | 599 | W | W | W | | | | | |
| 117 | 117 | 1/28/24 | 0025 | K5CM | 7,034.8 | CW | 599 | 599 | W | W | W | | | | | |
| 116 | 116 | 1/28/24 | 0024 | KV0I | 7,034.3 | CW | 599 | 599 | W | W | W | | | | | |
| 115 | 115 | 1/28/24 | 0024 | KA0PQW | 7,033.9 | CW | 599 | 599 | W | W | W | | | | | |
| 114 | 114 | 1/28/24 | 0019 | WE4AUB | 7,033.0 | CW | 599 | 599 | W | W | W | | | | | |
| 113 | 113 | 1/28/24 | 0015 | KO4VW | 7,032.4 | CW | 599 | 599 | W | W | W | | | | | |
| 112 | 112 | 1/28/24 | 0014 | KM4FO | 7,032.0 | CW | 599 | 599 | W | W | W | | | | | |
| 111 | 111 | 1/28/24 | 0009 | W0MOC | 7,030.3 | CW | 599 | 599 | W | W | W | | | | | |
| 110 | 110 | 1/27/24 | 2345 | W6ZE | 21,036.5 | CW | 599 | 599 | W | W | W | | | | | |
| 109 | 109 | 1/27/24 | 2344 | WP4TEH | 21,028.0 | CW | 599 | 599 | W | W | W | | | | | |
| 108 | 108 | 1/27/24 | 2315 | KD3D | 7,028.9 | CW | 599 | 599 | W | W | W | | | | | |
| 107 | 107 | 1/27/24 | 2313 | KA8JBK | 7,026.9 | CW | 599 | 599 | W | W | W | | | | | |
| 106 | 106 | 1/27/24 | 2305 | KL7DUG | 28,299.0 | SSB | 59 | 59 | W | W | W | | | | | |
| 105 | 105 | 1/27/24 | 2304 | KA3DRR | 14,054.5 | CW | 599 | 599 | W | W | W | | | | | |

Mac Loggers

- MacLoggerDX

The screenshot displays the MacLoggerDX software interface. At the top, it shows the current station as K0HUU, worked on 20m FT8, with coordinates 110°/290° and a distance of 358 miles. The date and time are 2019-08-15 14:34:21, and the operator is VE3VRW. The version is v6.25b5.

The main interface is divided into several sections:

- Radio/Rotor:** Shows the selected station as dogpark63, a filter of 3000 Hz, and a frequency of 14.074.00 MHz. It also displays VFO A, USB-D, 0.5 kHz, and a Keyer.
- Call Log:** Shows a call log entry for W1AW. Details include: Time On: 2019-08-15 14:31:47; Local: 10:31 AM -0400; First: 10:31 AM -0400; Last: Arrl Hq Operators Club; Street: 225 MAIN ST; City: NEWINGTON; County: Hartford; State: CT; Country: United States 06111; Email: W1AW@ARRL.ORG; Notes: DX de Lookup.
- Map:** A map of the United States with a grid overlay. The current location is marked as VE3VRW at 07°18'0" N, 180° 0' W. The map shows various grid squares and labels for nearby locations like Canada, Mexico, and the Caribbean.

Mac Loggers

jLog

Freeware

Multi-Platform Win, Mac,
Linux

The screenshot shows the jLog application window. The main window displays a logbook table with columns for Date, Time, Station, Frq, Mode, Pwr, Conf, Sent, Rcv, End, Remarks, QSO#, State, Cnty, eS, eR, loS, loR, Grid, Freq, and C. The table contains several entries, with the entry for 2022-09-29 at 06:40:45 (Station N6R, Frq 10 FT8, Pwr 95, Conf G3, Sent -08, Rcv -12, End 06:41:30, QSO# 1761, State AZ, Cnty Yavapai, Grid DM34so, Freq 10.139) highlighted in blue. Below the table, there are settings for Country (UNITED STATES), CQ (3), and ITU (6). The status bar at the bottom shows the file path /Users/arve2/Documents/jLog/Logbook2-official-V6.jdb, a checked 'A' button, the frequency 14.074 000, the mode PKT, and the radio type S.

This screenshot shows a more detailed view of the jLog application. The logbook table is expanded, showing checkboxes for eS, eR, loS, loR, and Q. The entry for 2022-09-29 at 06:40:45 (Station N6R, Frq 10 FT8, Pwr 95, Conf G3, Sent -08, Rcv -12, End 06:41:30, QSO# 1761, State AZ, Cnty Yavapai, Grid DM34so, Freq 10.139) is highlighted. Below the table, there are settings for Country (UNITED STATES), CQ (3), and ITU (6). The status bar at the bottom shows the file path /Users/arve2/Documents/jLog/Logbook2-official-V6.jdb, a checked 'A' button, the frequency 14.074 000, the mode PKT, and the radio type S.



Mac Loggers

Aether

Haven't seen activity since 2020,
so check out support forums for
status.

The screenshot shows the Aether Logbook application window. The title bar reads "Aether Logbook.lgbkdb". The interface is divided into several sections:

- QSO Details:** Fields for Callsign (W1AW), Date (10/30/2010), Time (22:33:14), TX Exch., RX Exch., TX RST (599), RX RST (579), Frequency (14.04800), Band (20m), Mode (CW), Power (100), QSL Via (Direct), Status (Rcvd, Sent), Distance (2017 Miles), and Heading (75.0°).
- Callbook Info:** Fields for First (Arrl Hq), Last, Email (W1AW@ARRL.ORG), Street (225 Main St), City (Newington), State (CT), Zip (06111), County (Hartford), Country (United States), Grid Sq. (FN31pr), Latitude (41.71478), Longitude (-72.72726), and DXCC (8, ITU, CQ 5, ARRL CT, IOTA).
- Notes:** A text area containing "First QSO with ARRL HQ on 20m!".
- QSO List:** A table with columns: Notes, Date, Time, Callsign, TX RST, RX RST, Frequency, Mode, First Name, Country, Grid Square, DXCC, Rcvd Direct QSL, and Rcvd LoTW. The table contains 18 rows of QSO data, with the top row (10/30/10 22:33 W1AW) highlighted in blue.
- Bottom Bar:** Shows "Frequency: 14.036.02 MHz", "Mode: CW", "Power: 74", and "1 out of 249".

Specialty Loggers

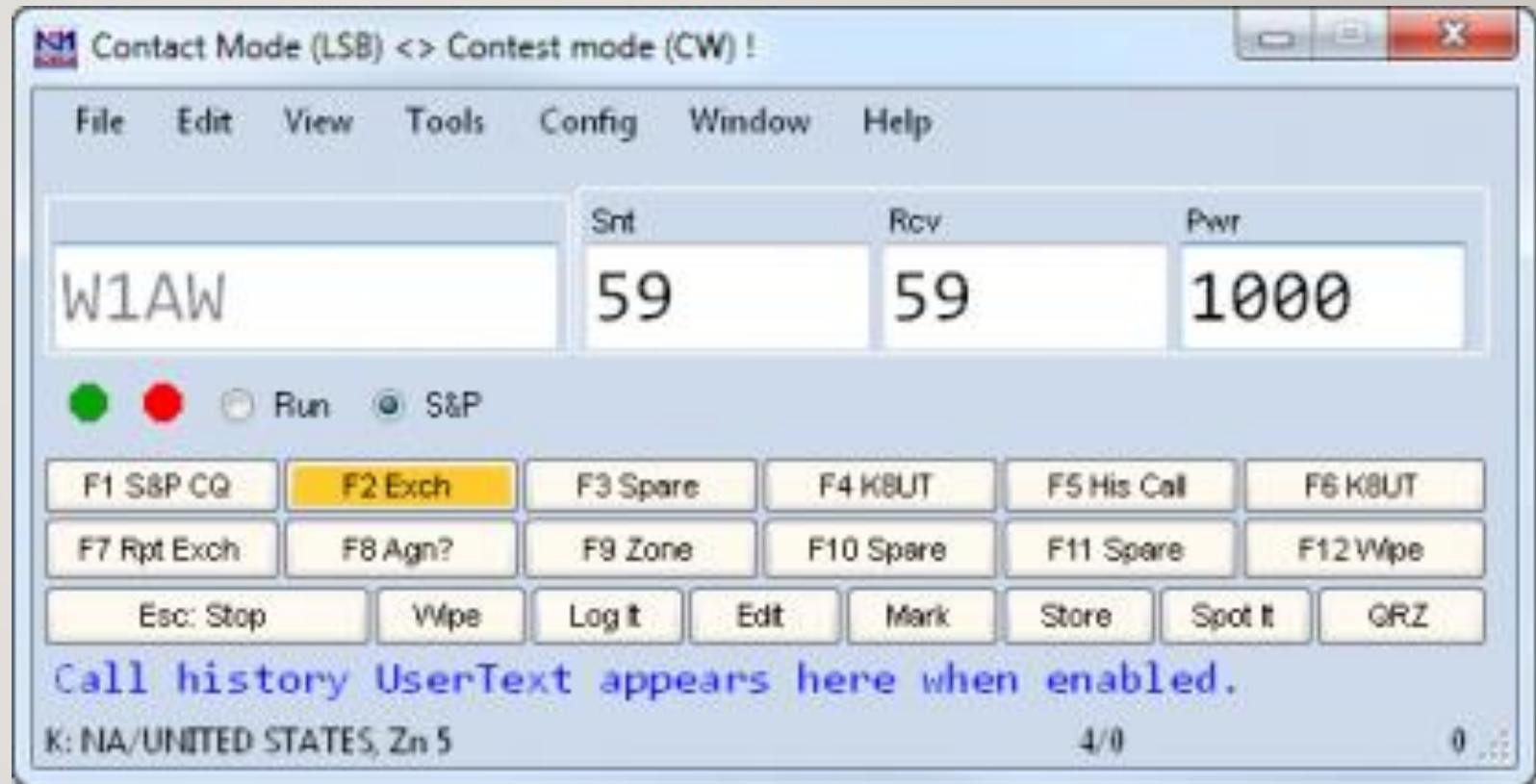
NIMM+

Used for contesting

Many contest templates available, as well as user defined contest templates can be made.

Rig control

Networkable for multiple machines networked together to provide dupe checking and logging of all stations.



Specialty Loggers

HAMRS

Templates for
POTA
SOTA
Field Day
Winter Field Day

Lists active POTA spots.
No Rig Control

The screenshot shows the HAMRS POTA Hunting interface. At the top, there's a navigation bar with 'HAMRS', 'Logbooks', 'QSOs', and 'Config'. A search bar is on the right. Below the navigation, the 'POTA Hunting' section is active, showing '16 QSOs' and an 'Actions' dropdown. The main area contains a form for logging a QSO with fields for 'THEIR CALL', 'RST/S', 'RST/R', 'THEIR PARK', 'COMMENTS', 'NOTES', 'THEIR NAME', 'QTH', 'STATE', 'THEIR COUNTY', and 'THEIR GRID'. The form is currently empty, with 'Comma Separated' entered in the 'THEIR CALL' and 'THEIR PARK' fields. Below the form is a 'Clear' button and a 'Save' button. At the bottom, there's a table of 'Entries' (16 total) with columns for 'UTC', 'CALL', 'RST/S', 'RST/R', 'STATE', 'FREQ', 'BAND', 'MODE', 'THEIR PARK', and 'QRZ'. The table lists 10 entries with their respective call signs, RST values, states, frequencies, bands, modes, and parks.

| UTC | CALL | RST/S | RST/R | STATE | FREQ | BAND | MODE | THEIR PARK | QRZ |
|---------------------|----------|-------|-------|-------|--------|------|------|------------|-----|
| 23:01:53 2025-01-05 | AA7WI | 55 | 57 | AZ | 14.263 | 20m | SSB | US-4429 | |
| 23:00:35 2025-01-05 | W1WC/SSB | 55 | 55 | AL | 14.296 | 20m | SSB | US-0161 | |
| 18:50:25 2024-12-04 | AK6CS | 57 | 57 | CA | 28.433 | 10m | SSB | US-3445 | |
| 22:24:38 2024-12-01 | KG6UO | 57 | 55 | CA | 28.360 | 10m | SSB | US-3473 | |
| 22:24:38 2024-12-01 | KJ6ER | 57 | 55 | CA | 28.360 | 10m | SSB | US-3473 | |
| 15:59:53 2024-12-01 | KP3TX | 53 | 56 | | 28.373 | 10m | SSB | PR-0027 | |
| 16:44:23 2024-11-29 | KF0NFW | 55 | 59 | KS | 14.215 | 20m | SSB | US-7940 | |
| 16:37:37 2024-11-29 | KF0QGT | 56 | 55 | NE | 14.282 | 20m | SSB | US-5663 | |
| 16:46:54 2024-11-27 | W3GTR | 59 | 59 | MD | 28.467 | 10m | SSB | US-1572 | |
| 17:27:39 2024-11-25 | KJ7BES | 57 | 57 | UT | 14.239 | 20m | SSB | US-11767 | |

Web & Offline Web Loggers

World Radio League

Modern web interface

Subscription model

Offline

Rig control

WSJTX, N3FJP, N1MM integrations

WRL

Search Callsign or Name

KA5PMV FREE

Band Conditions February 6, 2025 | 21:36:15

Quick Links : Start POTA Activation New General Logbook Import ADIF

World Radio League

Log your ham contacts, win awards, and chat with other operators with the most advanced logbook on the planet.

MOST RECENT CONTACTS [View all](#)

| From | To | Band | Mode |
|--------|--------|------|------|
| KJ5DGS | NR7O | 20 | SSB |
| KD9JYN | N4OHI | 20 | FT8 |
| W1SDS | VP2ETE | 20 | SSB |
| KE2FBO | KD2EY | 2 | FM |
| KN4YAQ | N6JDH | 20 | SSB |

[View Recent](#)

Log out

Web & Offline Web

World Radio League

Multi Platform

Modern web interface

Free with Support option

Installs as a portable web application which is supported across Windows, Mac, Linux, and mobile devices.

Syncs via to cloud so all devices can stay in sync.

The screenshot shows the 'Smart Logger - Log' web application interface. At the top, there is a navigation bar with buttons for 'LOG SETTINGS', 'LOG' (highlighted), 'MAP', 'SUMMARY', 'POTA SPOTS', and 'RECEIVED SPOTS'. Below this is a status bar showing 'FREQUENCY: MHz', 'BAND: NULL', 'MODE: SSB', and 'PARK:'. The main form area contains fields for 'CALLSIGN', 'RST SENT' (55), 'RST RCVD' (55), 'PARK', and 'TIME (UTC)' (08:07 PM). There are also fields for 'NOTES' and 'GRID'. Action buttons include 'SAVE', 'RE-SPOT', a red mute button, and a close button. Below the form, there is a 'LAST QSO DATE:' field and an 'EXTENDED VIEW' toggle switch (currently off). At the bottom, there is a table header with columns: 'N°', 'TIME (UTC)', 'CALLSIGN', 'COUNTRY / STATE', 'PARK', 'CHECK', 'RST ↑', 'RST ↓', 'QRG', 'BAND', 'MODE', 'GRID', 'DISTANCE', 'POWER', and 'CALLSIGN LOOKUP'. A 'SHOW ALL' button is located below the table header.

IN REVIEW:

- Define your requirements
- Review what loggers will work with your OS/Devices
- Review and try out each one to see which is a best fit for you
- Specialty loggers are refined for purpose and can export contacts to be imported into other loggers.