



# Week 6 - Session 11

CW Academy

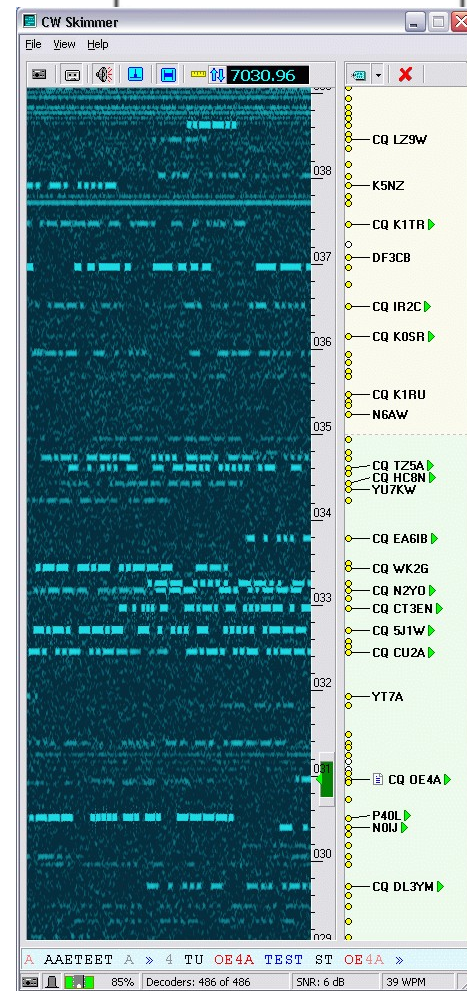
- Go over h/w and on air activities
- On the air:
  - SC and NC State QSO Parties
  - NAQP RTTY
- Preliminary results from Jan. NAQP CW have been posted  
<https://ncjweb.com/current-naqp-cw-results/>
- February *Solid Copy* is available at  
<https://cwops.org/newsletter-current/>
- Reverse Beacon Network (cont.)
- Round Robin Q&A



# Reverse Beacon Network (RBN)

CW Academy

- A world-wide system of SDRs monitoring one or more bands and using automatic decoders
  - CW and RTTY “Skimmers”
- You can view data “live” or download and analyze historical data off-line
  - This is an excellent tool for assessing your station’s performance
  - Send CQ <YOUR\_CALL> or TEST <YOUR\_CALL> a few times to get spotted
- reversebeacon.net – can also get raw RBN spots in real-time
  - PSK Reporter does something similar for FT4/8 signals → Almost everyone is a spotter/monitor!
- Competitive Contest Loggers have the ability to import spots from a cluster node
  - From cluster or RBN or both
  - Can usually “filter” the spots you actually see

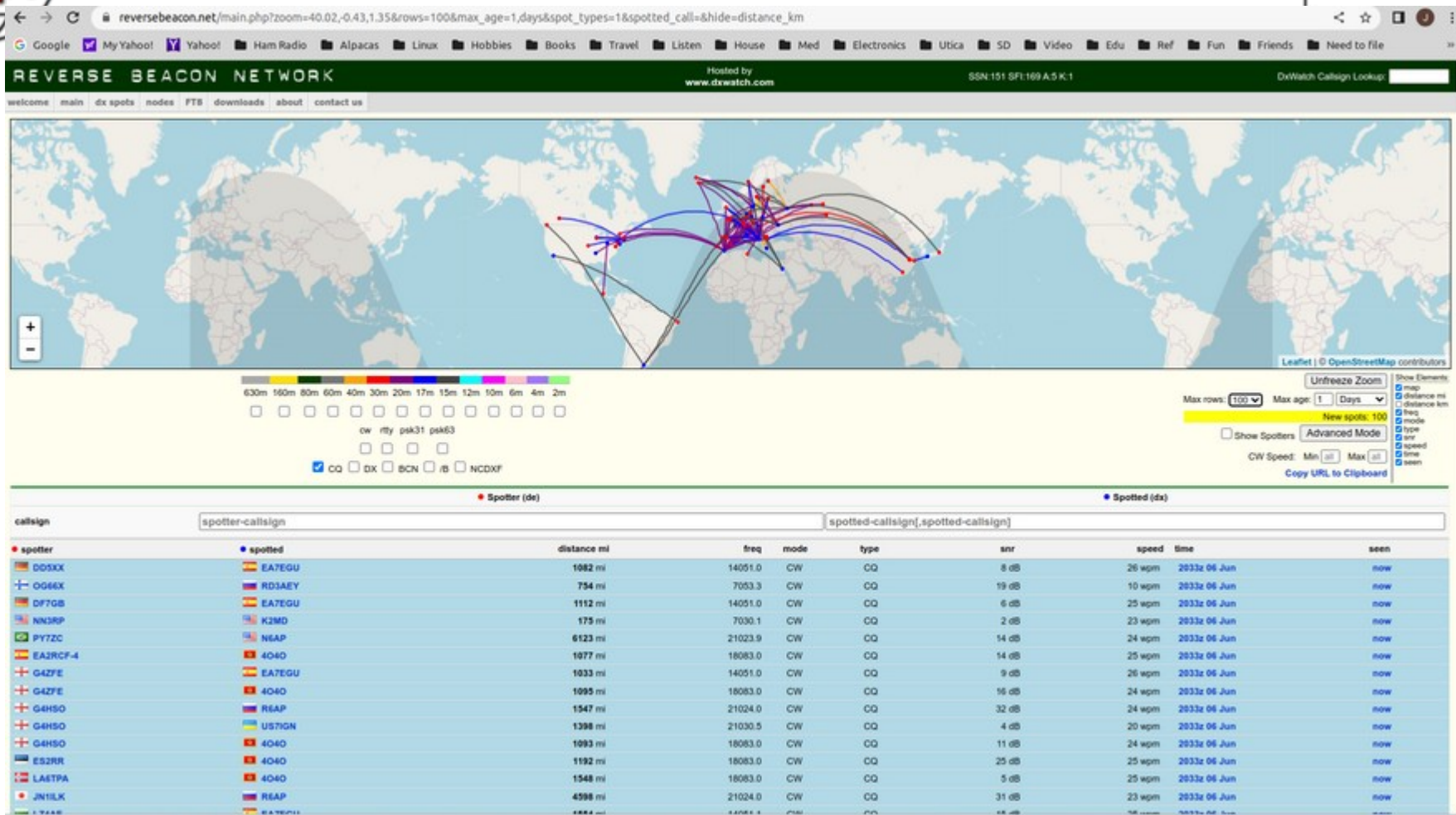




# Reverse Beacon Network (RBN)

Spots Automagically Generated by Skimmers

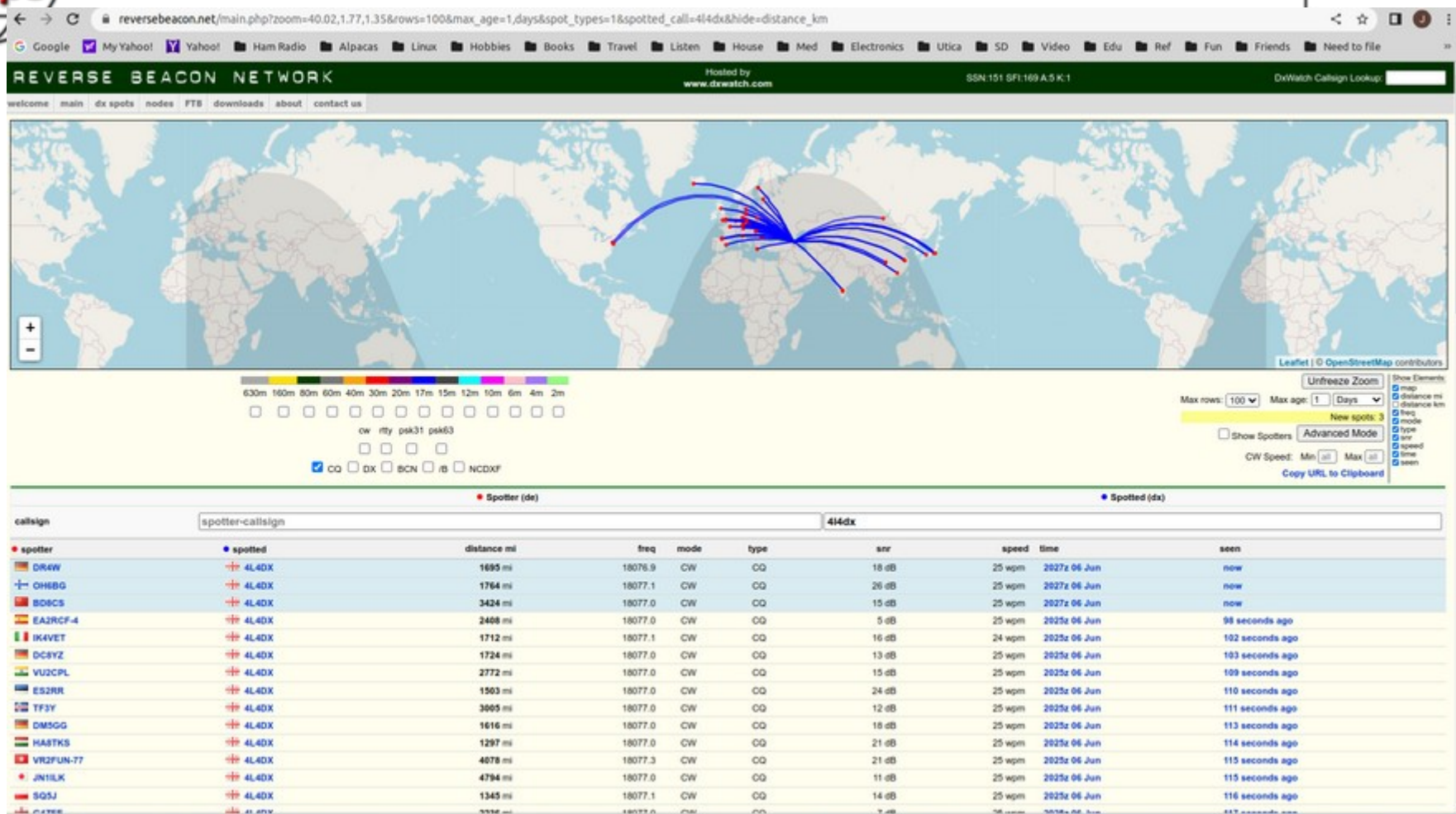
CW Academy





# RBN Real-Time Filters

CW Academy







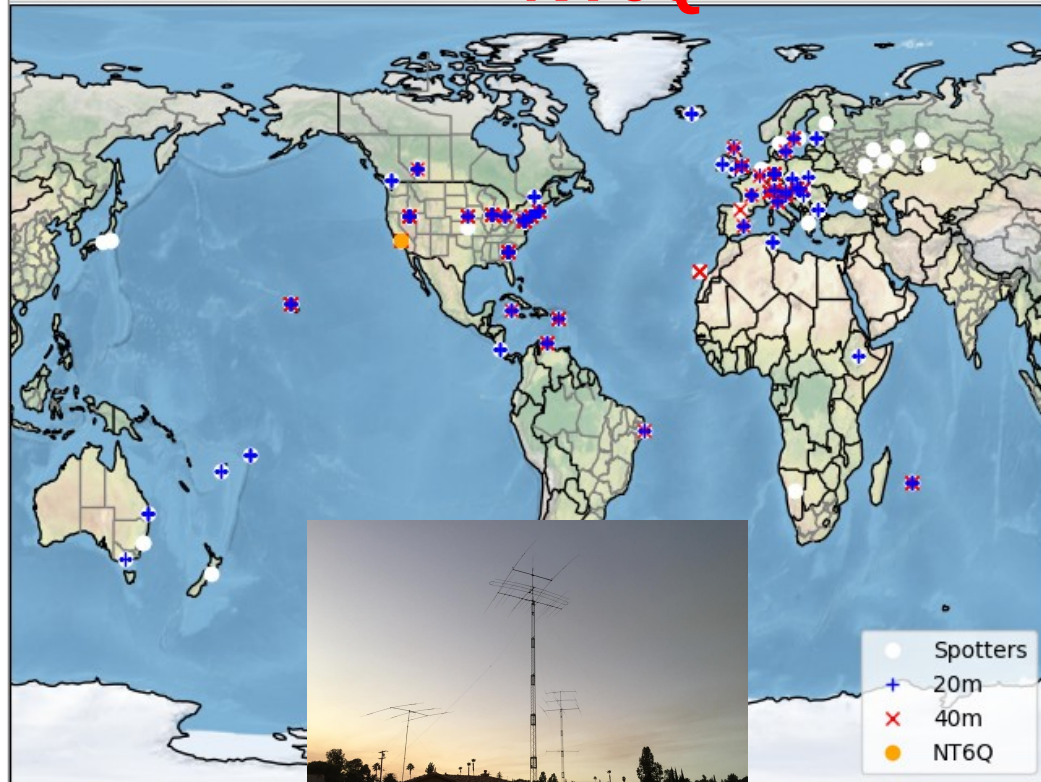
# Big Gun vs Little Pistol

CWT 0300-0400 July 28, 2022

CW Academy

RBN Analysis for NT6Q from 20220728.csv

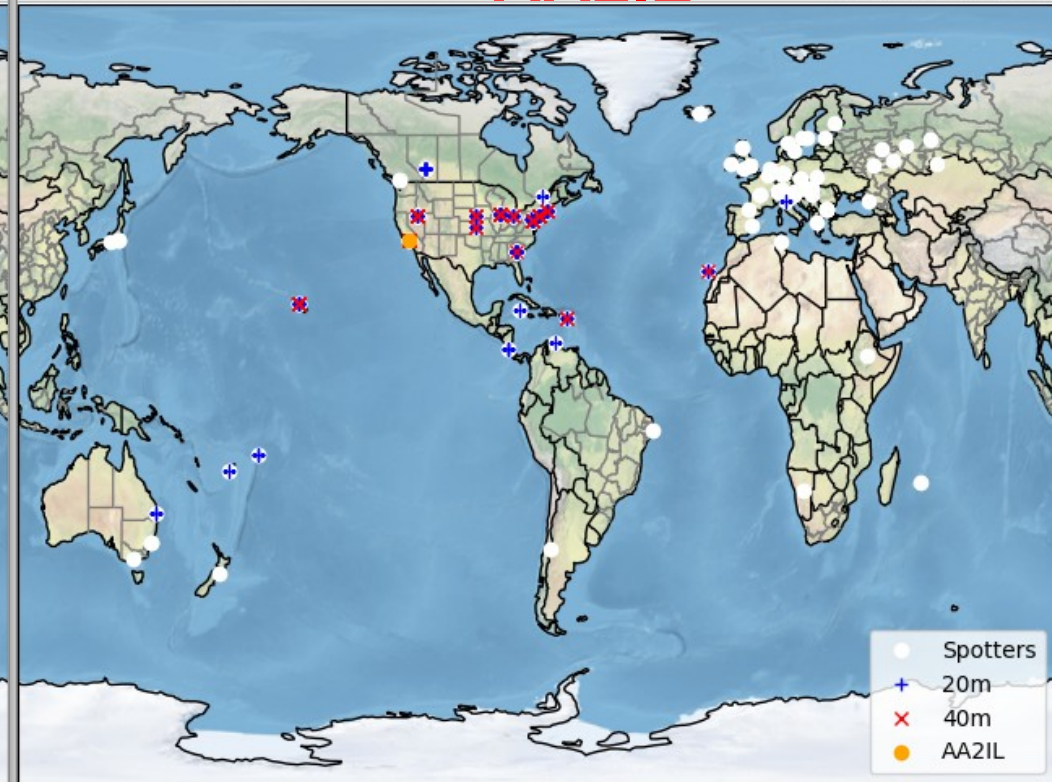
**NT6Q**



RBN Analysis for AA2IL from 20220728.csv

**AA2IL**

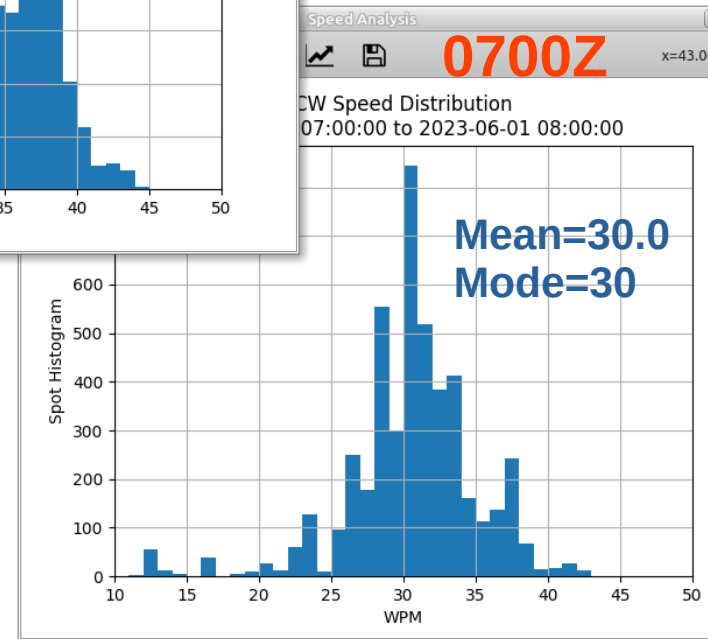
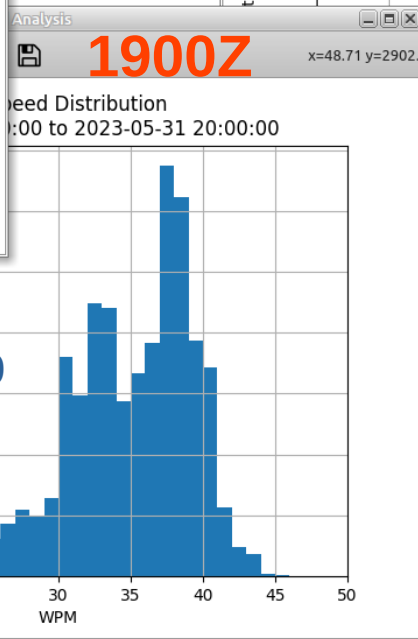
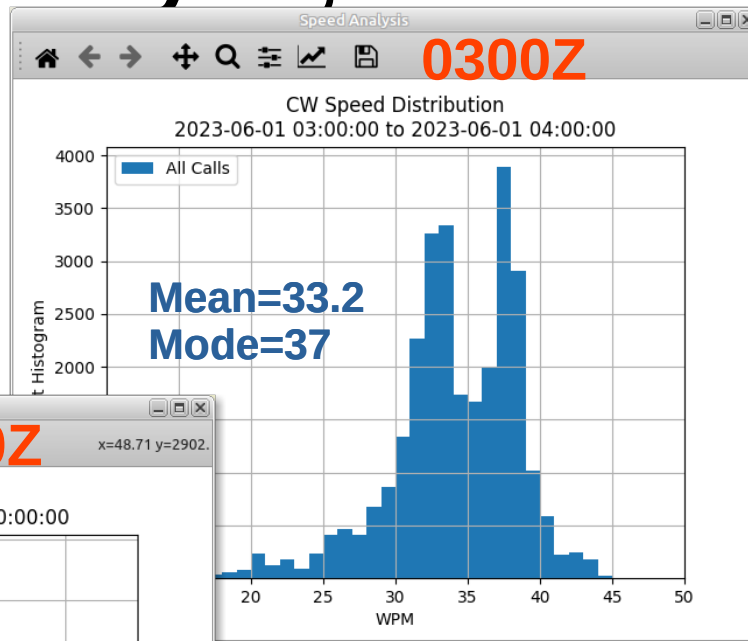
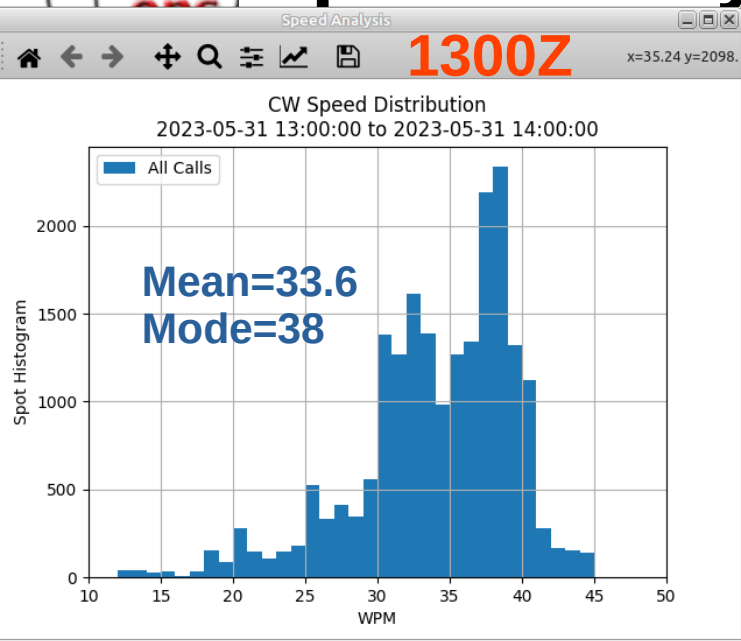
5.625, 70.5 (70.500000°N, 69.375000°W)  
[0.808, 0.824, 0.847, 1]





# Speed Analysis – May 31, 2023 CWTs

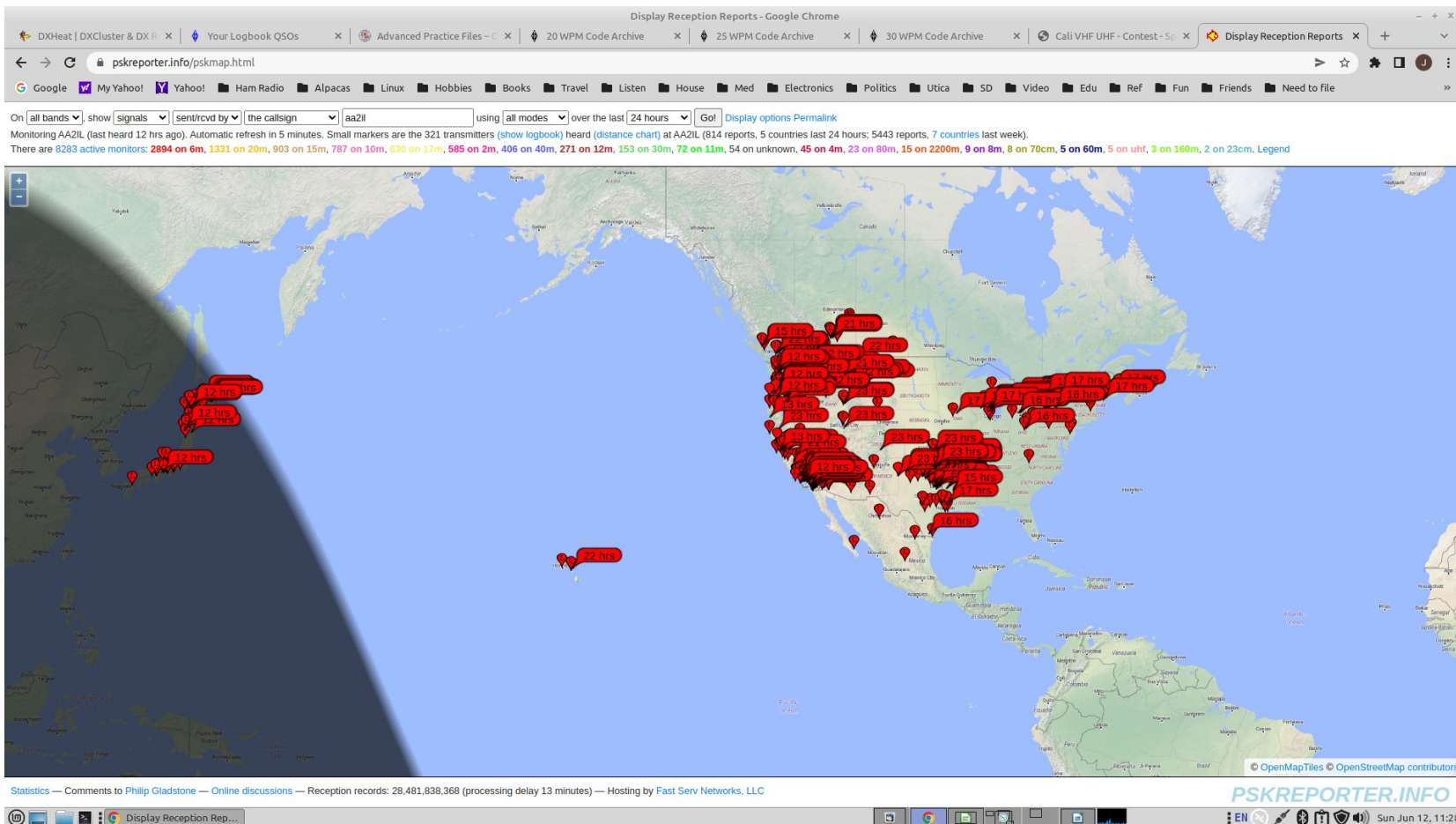
CW Academy





# PSK Reporter – Stations Who Heard Me on 6m During the June 2022 VHF Contest

CW Academy





# Setting Up Your Own Monitoring Station

CW Academy

- CW and RTTY skimmers are available at same place you found Morse Runner
  - 30-day Free Trial
  - Can use regular WSJT-X for FTx (free)
- An RTL Dongle allows you to monitor a single band
  - 160m and 80m are close enough to monitor simultaneously
- I've used an SDRPlay RSP-1 to monitor up to 3-bands simultaneously
- “Wideband” SDRs (e.g. Red Pitaya) can monitor the entire HF-spectrum simultaneously
- To post spots to the RBN, also need “Aggregator”