

# Things to do before you install and setup WeeWx on your Raspberry pi.

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1. Determine your latitude and longitude where weather station will be installed
  - a. \_\_\_\_\_
    - i. West Longitude is listed as negative; i.e. our station is at 119.337 W and is written as -119.337. South Latitude is listed as negative too.
    - ii. Lat and Lon is written in decimal degrees to the 3<sup>rd</sup> decimal position.
      1. Hover mouse over the location where the weather station will be located using Google Earth, or
      2. Get GPS out and let it tell you the lat/long, or
      3. Use a different mapping software to tell you where the weather station will be installed, or
      4. Open APRS.fi and hover the mouse over the location where the weather station will be installed, or
      5. Or visit: <https://www.gps-coordinates.net/>
  
2. Determine Altitude at the location where the weather station will be installed in feet
  - a. \_\_\_\_\_
  
3. The Manufacturer and model of weather station that will be monitored by WeeWx
  - a. \_\_\_\_\_
    - i. We use the AcuRite 01036 system
    - ii. Weather stations compatible with WeeWx can be found at:
      1. <http://www.weewx.com/hardware.html>

4. Will the weather data be linked on a website that you manage
  - a. If yes
  - b. List URL here.
  - c. \_\_\_\_\_
    - i. We use a no-ip.com address with port forwarding at our router. Our link is:
    - ii. <http://nb7o.ddns.net:83/>
    - iii. Port 83 is forwarded to the IP address of the raspberry pi that is our web/file server.
  
5. What month do you want to start your "rain" year?
  - a. January = 1, February = 2, March = 3, etc
  - b. \_\_\_\_\_
  
6. What day of week do you want to start your week with?
  - a. Monday = 0, Tuesday = 1, Wednesday = 2, etc (Sunday = 6)
  - b. \_\_\_\_\_
  
7. Will you be registering your weather station with WeeWx
  - a. Registering your station helps others see how and what stations are in use
  - b. Yes or No
    - i. \_\_\_\_\_
  - c. I recommend "Yes" so that your weather station will appear on the WeeWx station map:
    - i. <http://www.weewx.com/stations.html>
  
8. What internet weather services will you share your data with?
  - a. AWEKAS
    - i. Automatisches WEtterKArtten System
      1. Automatic Weather Map System
      2. Nov 2018 - 3,546 stations on-line, 1,386 U.S. members
      3. If yes
        - a. Go to <https://www.awekas.at/en/index.php>
        - b. Click on Community Tab – Register new
        - c. Complete form
        - d. An email should be sent.
          - i. I tried to register with this system in April 2018 with no luck.

## CWOP/MADIS

- ii. Citizen Weather Observer Program/Meteorological Assimilation Data Ingest System
- iii. If yes
  1. Go to <http://wxqa.com/>
  2. Click on “join CWOP” link under CWOP Logo
  3. Follow directions to join by sending email to appropriate email address.
    - a. Be patient this is a volunteer, part time position within the U.S. Weather Service
  4. The volunteer will send an email back with links. Search the links for the needed information:
    - a. Callsign Used for CWOP:
    - b. \_\_\_\_\_
    - c. CWOP/MADIS ID (from database)
    - d. \_\_\_\_\_
- b. Wunderground
  - i. Weather Underground
  - ii. If yes
    1. Go to <https://www.wunderground.com/personal-weather-station/mygps>
    2. Click on Join
    3. Complete the sign up form
    4. Record station name (our station is KORHERMI18)
      - a. \_\_\_\_\_
    5. Record Password
      - a. \_\_\_\_\_

Place this information where it can easily be found. This information is used to setup the Weewx.conf (Weewx configuration) file on the Raspberry Pi.