

# Installing the Radio Jove Software on Windows

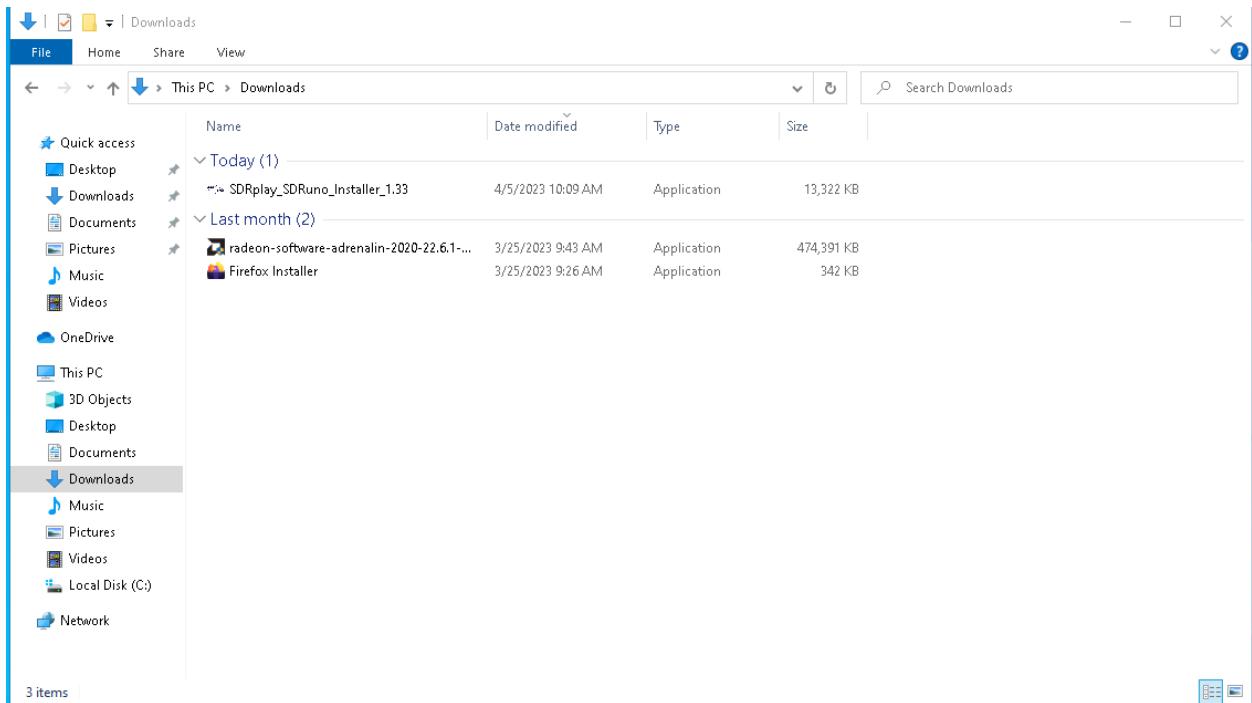
**Disclaimer: This is the author's view of how to install the software. Any comments made are to help with the installation and running of the software and in no way are criticisms of the great work of the Radio Jove team.**

The software only works for Windows 10. The only older version of windows supported by Microsoft.

It does not work on Windows 11, unless you turn off driver signing. This is not recommended so do not install it on 11.

Step 1: Install the software for SDRplay software radio. Note the current version does not work with radio-sky spectrograph, so you must use an older version.

- a) Go to: <https://tinyurl.com/SDRUnoVer133> and download it into your Windows Computer.
- b) go to the directory where you download the file and click on it. Follow the installation directions.



- c) After the program is installed, open it and try to use it to listen to a local FM radio station. Select FM and WFM for the modulation type. You should hear your FM radio station. If not google any error messages you get and work to get the software working.



d) IMPORTANT: Reboot computer.

Step 2:

- a) Go to <https://radiosky.com/specdownload.html> and click on the box Download Radio-Sky-Spectrograph

The screenshot shows the Radio-Sky Spectrograph (RSS) website. It features a spectrogram titled "AHCO Observatory 07 May 2021 - DPS on TFD Array - RCP - Correction Array 2017 01 10.csv - Offset 2050 Gain 3.0". The Y-axis represents frequency in MHz (from 17.0 to 31.0), and the X-axis represents time in minutes (from 19:06:00 to 19:26:00). A large black arrow points from the top of the page down towards the "Add to Cart" button.

**Illustration 1: Solar radio emissions recorded using Radio-Sky Spectrograph software. The X axis is time and the Y axis is frequency in MHz. Intensity is conveyed by color.**

Radio-Sky Spectrograph (RSS) is a free Windows program for recording and reviewing radio frequency spectrograms. RSS records consecutive snapshots of the power in each of up to 512 frequency channels. Data can be shared in real time over the internet or saved to disk for review. RSS can be connected to a number of different software defined radios (SDRs) by utilizing the [appropriate intermediary programs](#). While originally written to support the Radio JOVE project below 30 MHz, this software can be used at any frequency your radio supports. In Windows 7 and above you must install As Administrator.

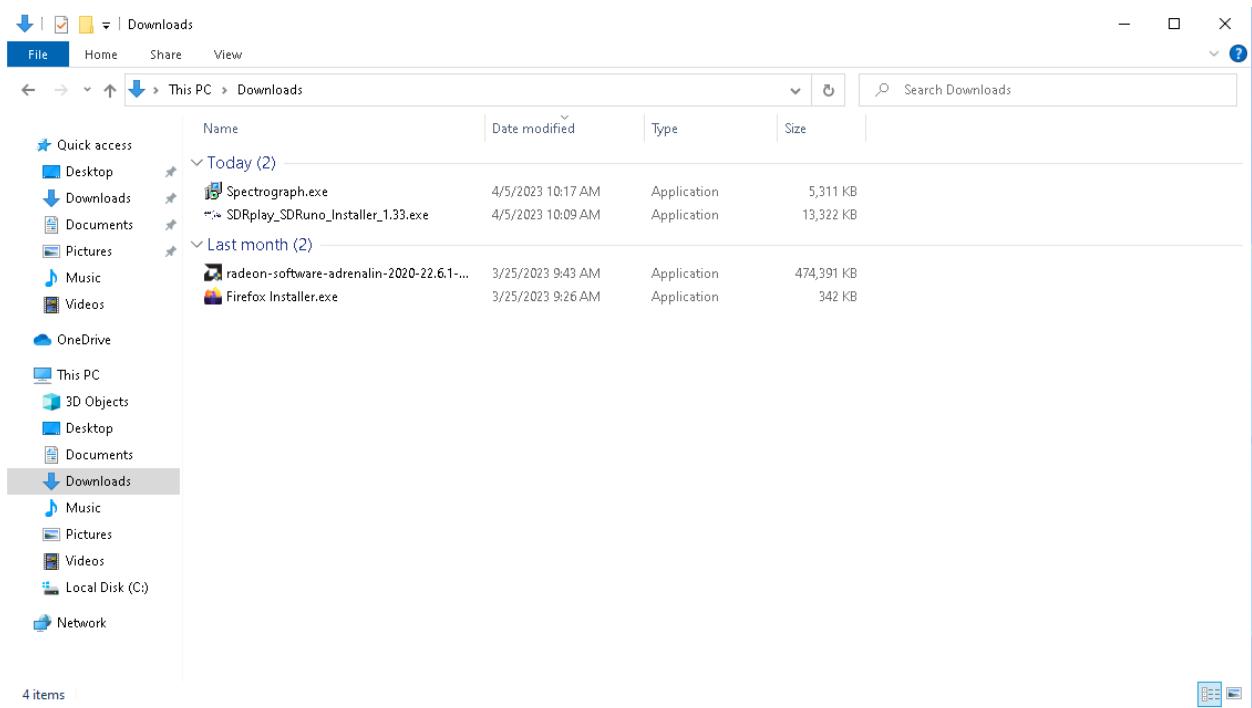
RSS is free but if you would like to donate to its continued development consider making a modest donation.

Suggested Levels

[Download Radio-Sky Spectrograph](#)

- b) Make an optional donation if you want but it is not required.

- c) go to the directory where you download the file and click on it. Follow the installation directions.



- d) You may get prompted with security messages from Windows since this program is not signed by Microsoft.

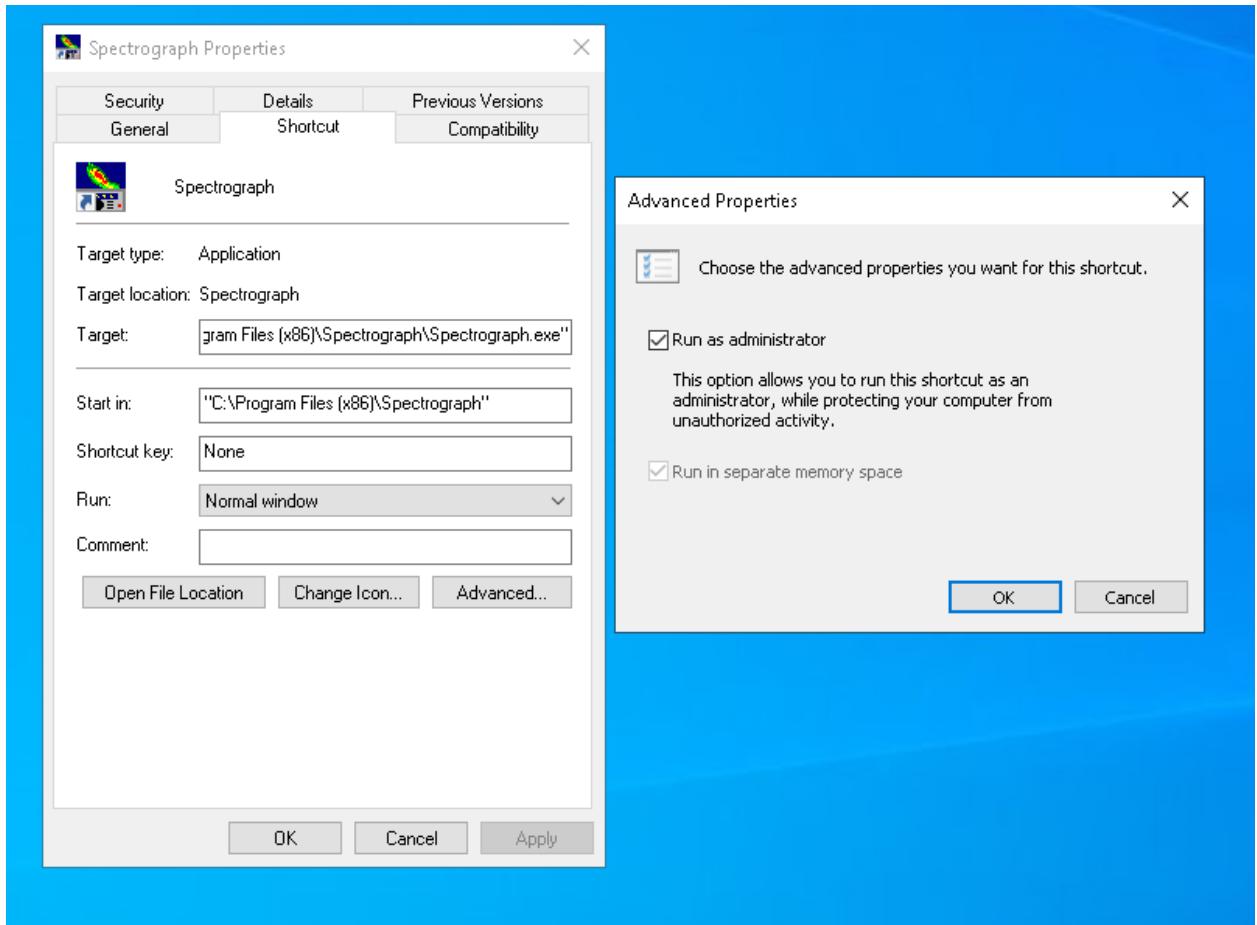


click on “More Info” and you will see the next screen



Click on “Run anyway” and the installation should start.

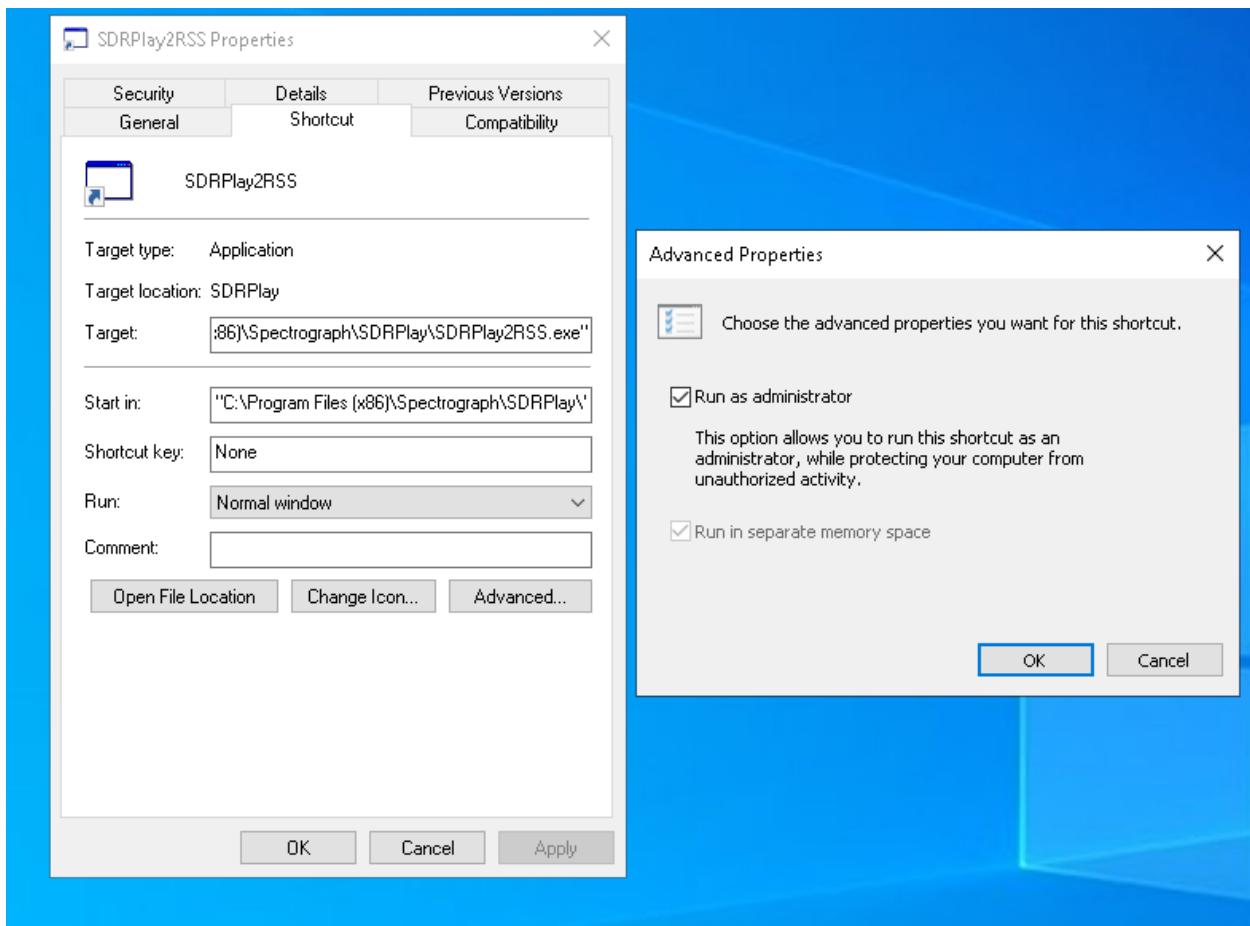
- e) After the program is installed, go to the desktop icon that was created and right click on the icon and select properties, then select advanced and click the box “Run as Administrator” Click apply and OK and give administrator permission when asked.



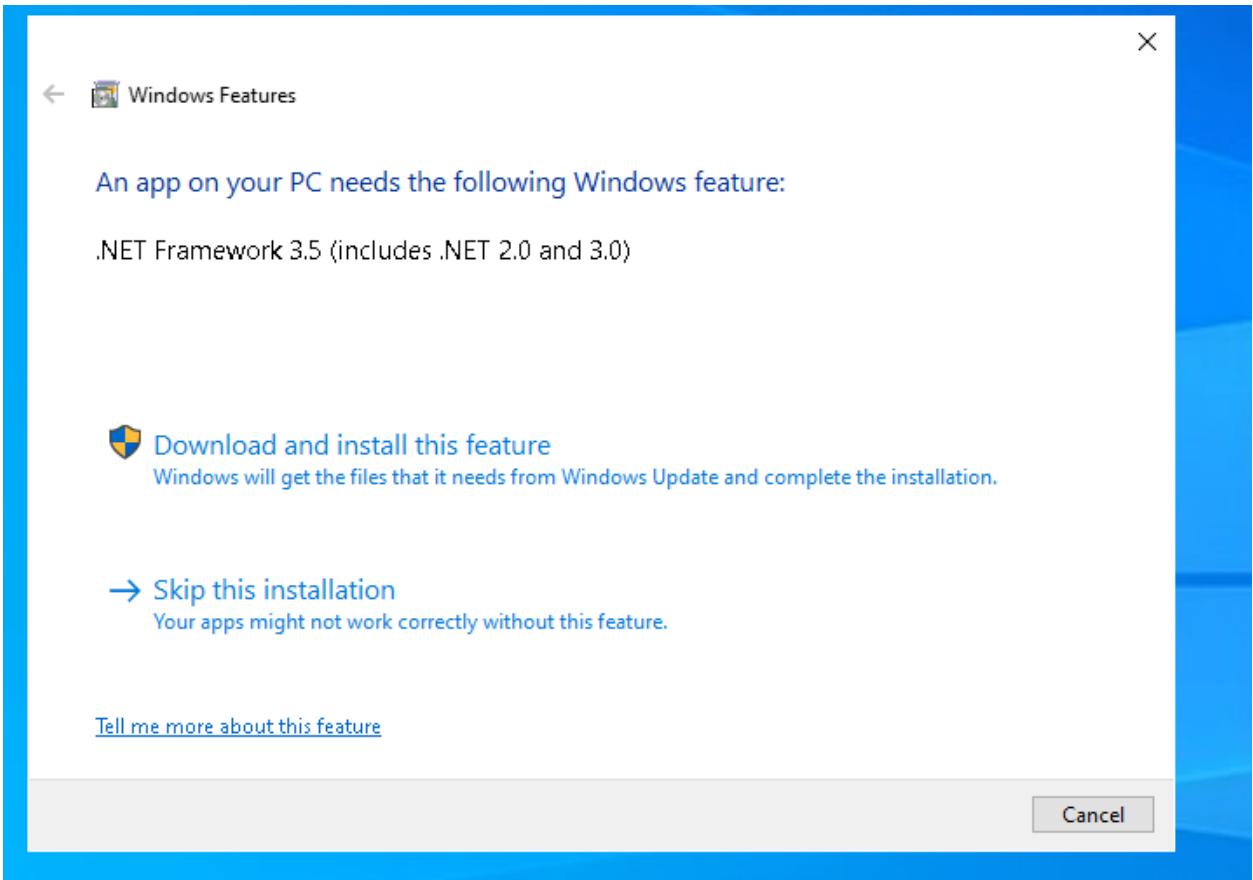
- f) IMPORTANT: Reboot computer.

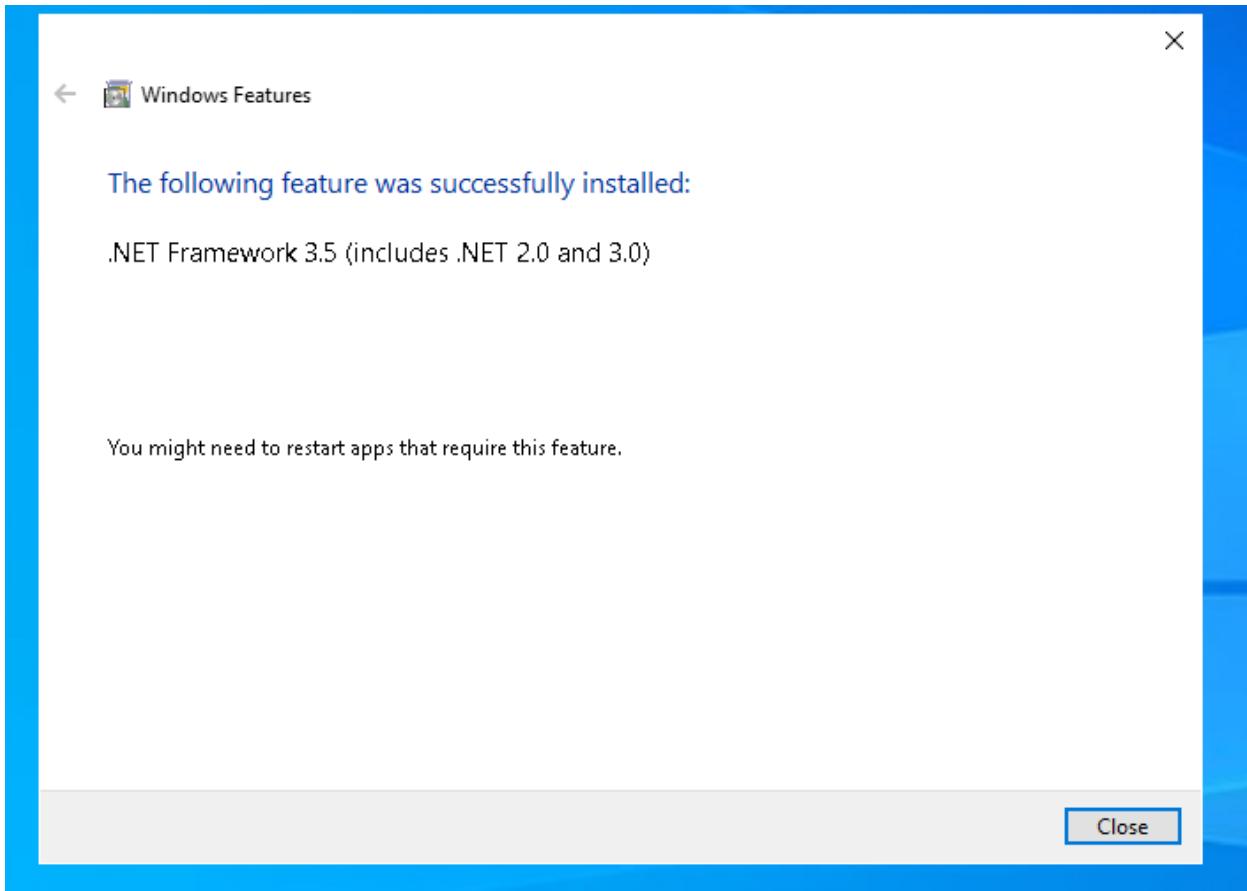
Step 3:

- a) Next, go to the desktop RSS icon that was created and right click on the icon and select properties, then select advanced and click the box “Run as Administrator” Click apply and OK and give administrator permission when asked.

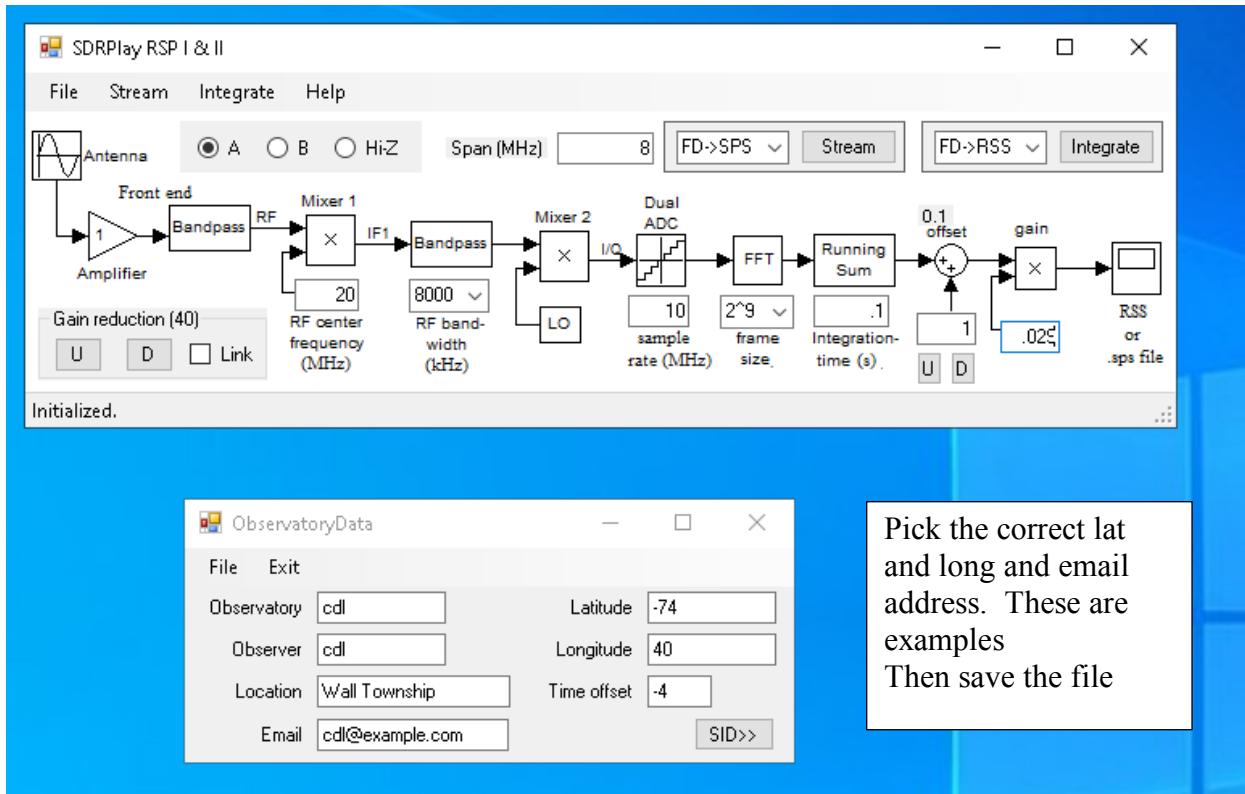


- b) Run SDRPlay2RSS, and install the dot net software if prompted

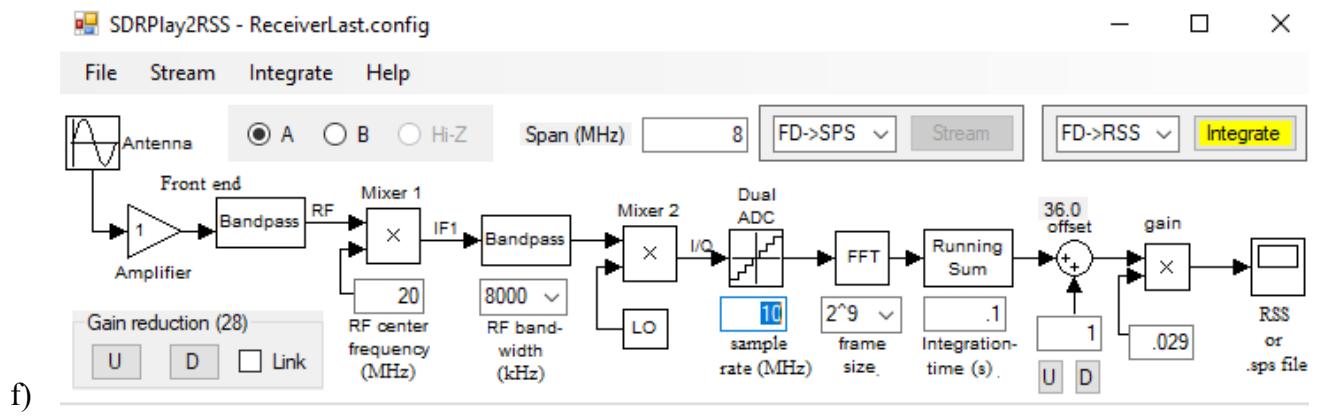




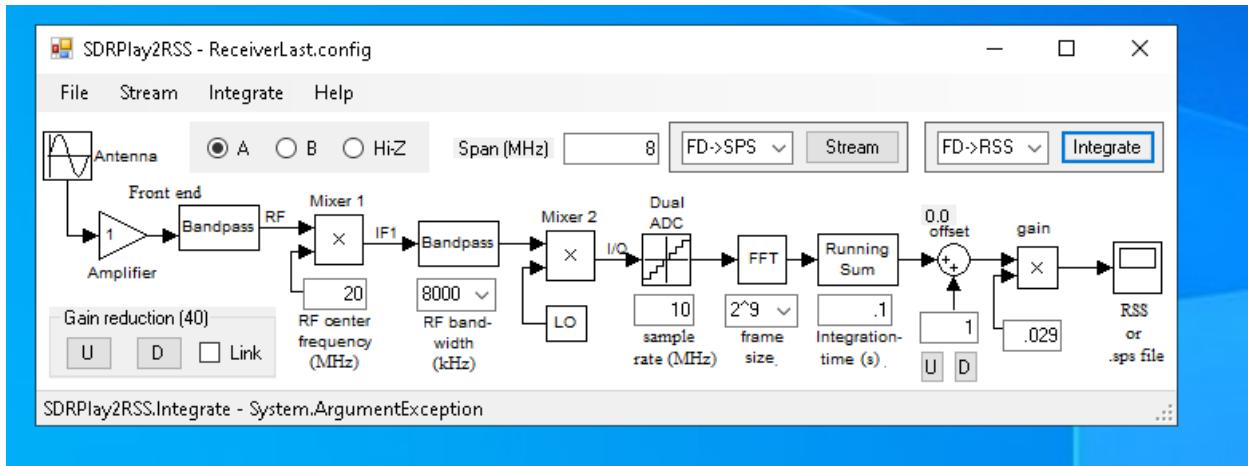
- c) Reboot the computer
- d) Run SDRPlay2RSS again and it will prompt you to set the observatory setting



- e) Then set up all SDRplay2RSS settings exactly as shown in the image below: (Note: Do not run SDRuno.)

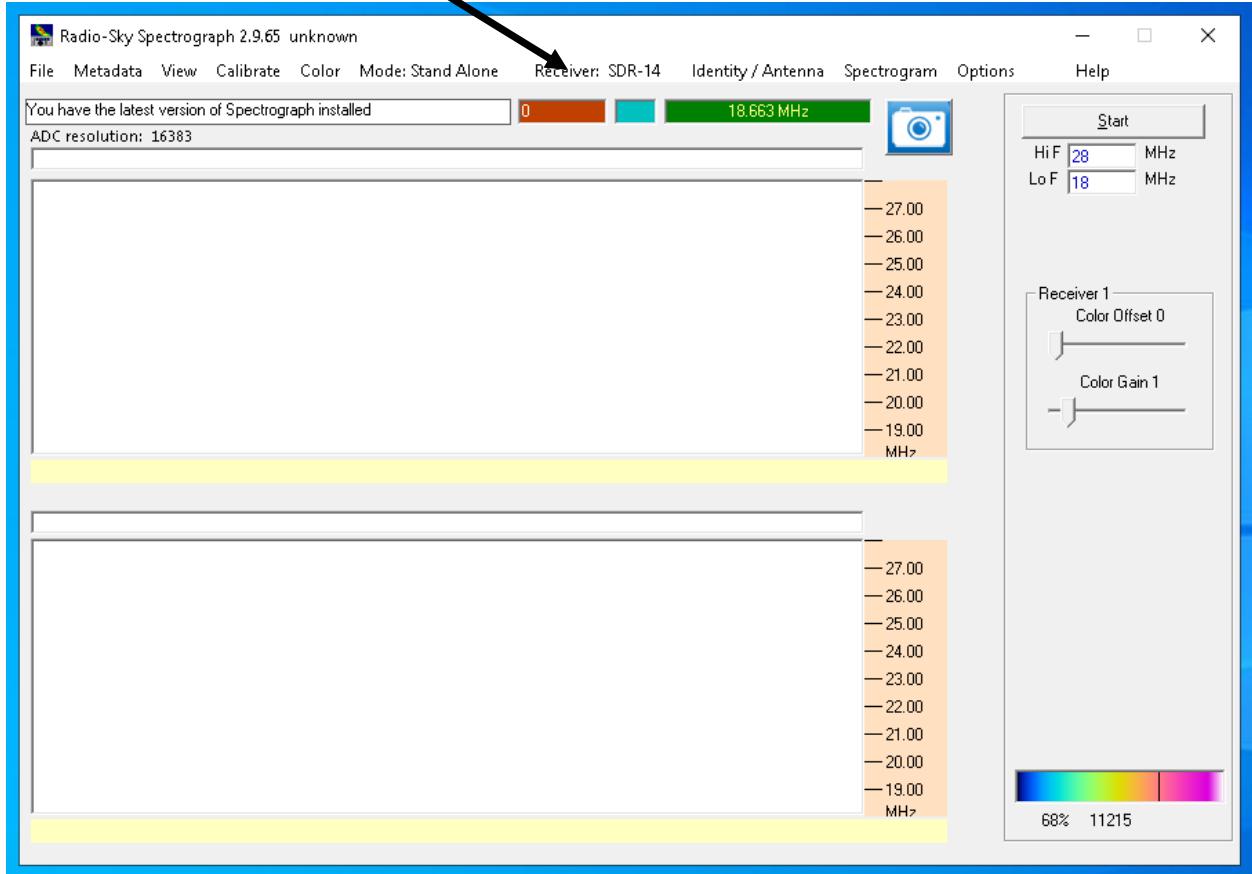


- g) If get this error message, reboot and try again



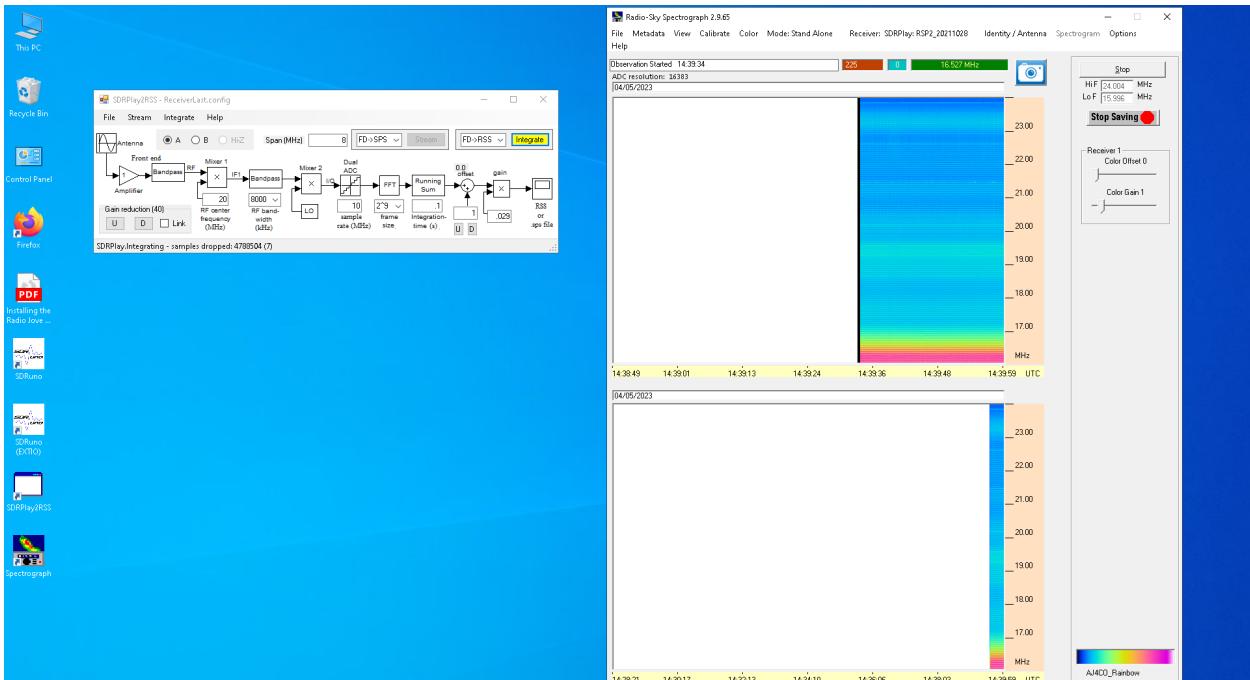
h) Start RSS and pick sdrplay as the receiver

Click here and select sdrplay



- i) see the spectrograph painting from right to left. Set RSS Color Offset to around 500 or until the background is dark blue. Set RSS Color Gain to 2 or so signals that are yellow, red, or white, and your daytime spectrograph looks similar to the typical one shown below.

When you are all finished this what a typical screen will look like



Running program.

The programs are flaky. Sometimes it is necessary to start them more than once or reboot the computer to get everything working. I have had the best luck in starting the RSS program first and clicking the integrate button and waiting for it to turn yellow. If you get an error message, close the program and start again. Once the button is yellow, start the Spectrograph program and click the start button. You should then see spectrograph scrolling. If you get error message, best suggestion is to close everything and reboot and try again.

## References:

<https://radiojove.gsfc.nasa.gov/>

<https://groups.io/g/radio-jove>

<https://groups.io/g/radio-jove/topic/95155829#3066>

<https://radiosky.com/specdownload.html>

<https://tinyurl.com/SDRUnoVer133>

<https://www.aj4co.org/AJ4CO%20Software%20Archive/SDR%20Software/SDRPlay2RSS/>

<https://101science.com/Reference%20Links.pdf>

<https://radiojove.gsfc.nasa.gov/newsletters/latest2/>

<https://radiojove.gsfc.nasa.gov/newsletters/latest2/#3>