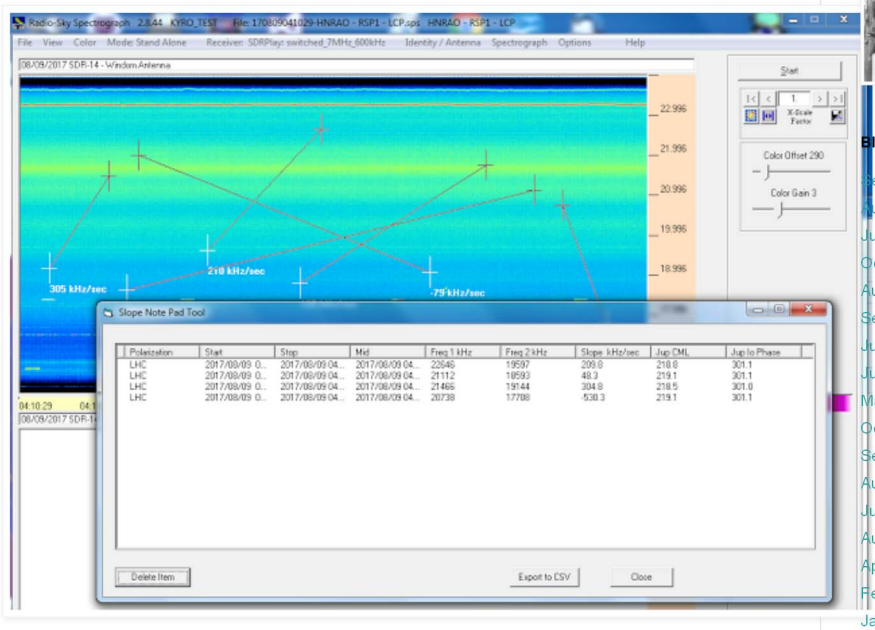
Amateur Radio Astronomy

Notes of interest about amateur radio astronomy and other realms of amateur science.

Friday, September 1, 2017

Radio-Sky Spectrograph works with Radio-Jupiter Pro,

There are a number of ways that Radio-Sky programs can interact with one another. For example, RTL Bridge can send signal strength from a RTL dongle receiver to Radio-Sky Spectrograph (RSS) and to the Radio-SkyPipe (RSP) strip chart program.Radio Eyes can start a RSP chart. Radio Jupiter Pro (RJP) can send calculated Jupiter or Solar information to RSS. Since more people use RSS for Jupiter and solar studies than anything else that I am aware of, it makes sense that RSS can draw this information from RJP when desired.



A new update for RJP facilitates the new **Slope Note Pad** tool. With this tool you can easily run through SPS files and take the slope of a feature (modulation lane, N burst etc.) and it will grab the corresponding CML IoPhase from RJP and will add it to a list that is exportable to a spreadsheet. You just click at the beginning and end of each feature you want the slope of and your data is compiled for you.

Also be reminded that if you have RJP running along side RSS, and you have the option set under **Options / Network / Radio Jupiter Pro Information Server / Connect to RJP** You can then right click anywhere on your chart and select **Get RJP Charts,** which will produce CMLIo charts, SkyMaps, and AltAz views for that given time. *You don't have to type a time into RJP to do this.* Each of these RJP displays has a camera button which places the image in the clipboard for easy pasting into all of these nice reports you have been creating. All of these displays popping up in addition to your RSS display takes a lot of screen real estate. Probably would be easiest on a multi-monitor system.

There is a new version of RSS 2.8.44 that you can get to through **Help/Check for Updates**.

If you have never installed RSS you can get it here:

http://radiosky.com/spec/Spectrograph.exe

For this to work correctly do the following update to RJP:

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Jim Sky

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September 2017 (1)
August 2017 (2)
June 2017 (2)
October 2016 (1)
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June 2015 (1)
March 2015 (1)
October 2014 (1)
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December 2008 (2)

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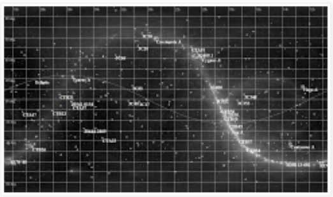
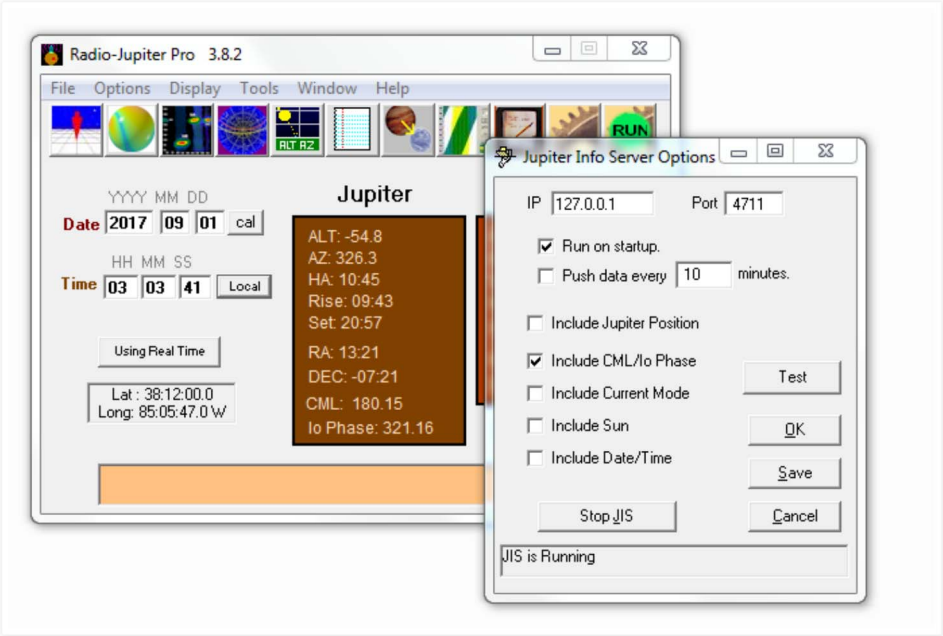
The Radio Sky



A map of the radio sky produced by my Radio Eyes software.

http://radiosky.com/rjp3/rjp_update_3_8_2.exe

In RJP you want to make sure the Information Server (JIS) is running on start up.
This is found under Tools / Jupiter Information Server.



Finally, you could use the JIS feature to grab the info for any program by making a TCP connection to the IP and Port shown. In the Jupiter Info Server Options you can push out the selected info (in string format) by using the Push option or by Sending a "J" to the server from your client you can get the JIS to send you the string. Try it using a terminal program.

Have Fun.

Jim

at September 01, 2017

5$gsq q irx

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Xst$gsq q irxw

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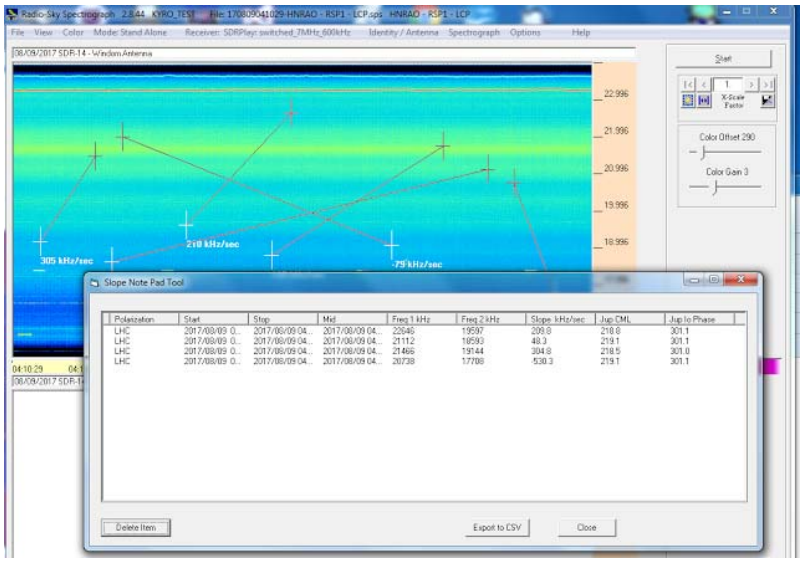
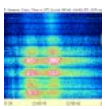


SDRPlay Receiver Support for Radio-Sky Spectrograph

Thanks to the efforts of Nathan Towne, we now have the ability to use a new receiver with Radio-Sky Spectrograph (RSS). The SDRPlay has bee...



New Way to Feed Radio-Sky Spectrograph with a Dongle Receiver

One of the limitations of the RTLSDR dongle receivers is that it is hard to get more than about 2.4 MHz of bandwidth from them. Raydel Abr...