THE ART OF COPYING METEOR SCATTER PINGS USING WSJT

We are going to make a few assumptions:

You have downloaded and read the WSJT Instruction Manual!

You have the transceiver / soundcard connections made properly?

You have a station capable of copying Meteor Bursts.

You know the "Meteor Scatter" procedures.

The Initial Setup:

You must adjust the receive audio level to approximately 0 dB

Listen to the Received Audio:

Always listen to the received audio. When a ping is heard note the time so you can

examine the green line for spikes. If there was no decode click on "prospect spikes" that correlate to that time which could be the received data. With experience and time you will soon be able to tell if the pings are on frequency or off frequency. When using single tones you will be able to tell with your ears the difference between each tone before it is displayed or decoded.

A deaf man could operate WSJT but listening improves your chances of making contacts.

I Can Not Receive Any Meteor Pings:

You are listening on the wrong sequence.

You are listening on the wrong frequency.

You are trying to work too far a distance or too close a distance.

You didn't listen long enough. Patience

You don't know what your listening for.

My Ping Did NOT decode properly:

Your passband is too narrow. You must be able to copy all the FSK tones.

Your "Notch Filter" is on!

The ping was just too weak for WSJT to decode.

The ping occurred right at the switch over time.

The Ping was too far off frequency.

You Get A Second Chance if Your Ping fails to Decode Properly:

If S > 0 then set to zero and click on the Ping on the received line to force a new decode. You

can do this several times prior to the next period being decoded. Observe the text window for new text after each decode.

Do not become discouraged if a ping does not decode. If you heard one chances are good you will hear many more. Keep working.

Note: I generally always run with W = 20 and S = 0. If you don't want to eliminate the garbage, set S = 1.

Adjusting for the Offset "DF" during the QSO:

After receiving the first good ping, note the offset and adjust your RIT that amount and then adjust the <Tol> to about 150Hz. This will improve your decoding for this station during the qso. When expecting to receive single tone messages adjust <ST> to -5 in order to improve the decoding abilities of WSJT.

Examples:

Perfect Ping which decodes first time.

http://www.geocities.com/randy_tipton/AB0SD

Understanding The Single Tone:

Perfect Decoded … http://www.geocities.com/randy_tipton/R26

Not Decoded but Good! http://www.geocities.com/randy_tipton/WR26