KI4CJT Station Information – SEQP

Rig	**:** Yaesu FT-450D
Power Source	**:** Battery Power (12v SLA)
Antenna	**:** Fan Dipole – Resonant dipoles cut for 20m and 40m with common center feedpoint. Giving resonant operation on 20m/40m/15m
Antenna Height	**:** approximately 20ft strung up in some trees on my property
Bands	**:** 40m, 20m, 15m
Modes	**:** Phone/SSB, Data/PSK31, CW

Notes

Station was operated by single operator (KI4CJT/Dusty). Station was portable and operated outside on my property where I was able to view the eclipse. Normally for portable operation I use solar panels to keep batteries topped off but for this event I wasn't going to be operating long enough to deem it necessary so I removed that from my portable station design. I used a SignaLink USB along with my laptop for PSK31 operation. Approximately 55ft of (RG8x) coax was used from antenna to radio.

Personal Observations

I had great reception and seemed to get out just fine as well before and shortly after the eclipse started. From about 1/3 eclipse until totality I noticed a great reduction in reception (was still able to make some contacts but I wasn't hearing A LOT of stations like I had been earlier in the day). During totality (we had 100% Here for around 2.5 min, maybe a little longer), I seemed to regain some

reception quality but I was on CW at the time and made a contact in New York and finished up with him so I could enjoy totality. I didn't check any Phone signals during that time. As the eclipse continued to progress I noticed (3/4 gone all the way to no eclipse/it was over) that reception slowly came back to what I consider normal. All of this could have been coincidental but it did seem to me to have an effect on at least the receiving end of my station.
