From: Matthew Stevens <matthew@mrstevens.net>
To: John Leahy <jleahy00@yahoo.com>
Sent: Monday, November 20, 2017 11:39 PM
Subject: stuff from the satellite presentation

I had a couple people asking me about some information afterwards, so I figured the easiest way to answer would be send you an email for the website/yahoo group.

Computer tracking Apps:

SatPC32 (Windows)

Gpredict (Windows/Mac/Linux)

Macdoppler (Mac)

Phone tracking apps:

Gosatwatch (iOS)

Hamsat/Prosat (iOS)

Theodolite (iOS, measures elevation and azimuth)

AMSATDroid (Android)

ISS Detector (Android)

Dioptera (Like Theodolite but for Android)

The radios I was using on the first pass were 2xFT-817s with windcamp batteries.

Also an Icom 821H on the second pass. If you're interested in trying out linear transponder sats, any all mode V/U radio will work, like an FT-100, 817, 857, 847, TS-2000, IC-7000, 7100, IC-821, IC-910, IC-9100. There's some good info about using a single radio to operate with at https://www.youtube.com/watch?v=vke3pWkKULU, also http://www.amsat.org/wordpress/wp-content/uploads/2014/01/FT817-Arrow-SSB_Satellites-200501.pdf

For the FM sats, any of the above will work fine, also many HTs and mobile radios like the TH-D72, TH-D7, FT-8800, etc. Do yourself a favor and get an arrow or elk! It makes life a lot easier with a gain antenna. You can also find information about building a "cheap yagi" that would work well, at the amsat link below.

My antenna was an Arrow-II, available from http://www.arrowantennas.com/arrowii/146-437.html

Alternatively, the Elk is another decent sat antenna.

If you're looking for more information, a good place to start is at amsat.org, especially https://www.amsat.org/station-and-operating-hints/

You can also email me, nj4y@amsat.org

73, and thanks again for having me!

- Matthew

nj4y