

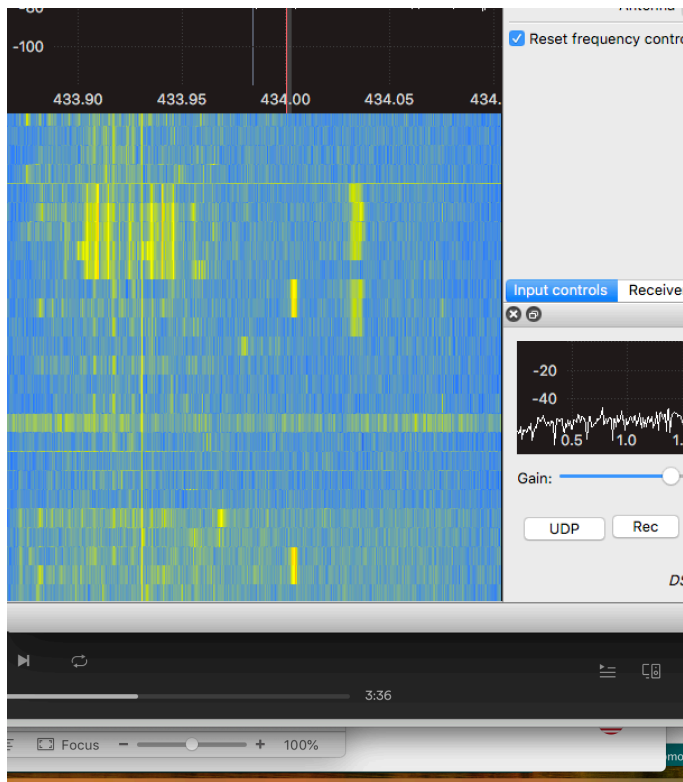
Test 07/25/18

- Ground station said that they heard beacons at first
- Then signal was lost and we changed frequencies
- Overall, we played around with the settings for an hour at Lick Observatory, without any success

Test 07/27/18

- We tested from a spot near skyline in Woodside that had line of sight on Hoover tower at Stanford.
- We were able to pick up some beacons, but unable to decode

Beacons were getting picked up using the SDR and yaggi receiver + a yaggi transmitter:



Problem with Decoder “AFSK1200 Decoder Destroyed”

```
candre — -bash — 80x24
portaudio_sink::work(): Error writing to audio device: Output underflowed
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New mode index: 7
FM demod gain: 3.05577
Resampling audio 96000 -> 48000
Filter preset for mode 7 LO: 100 HI: 2800
Generating taps for new filter LO:100 HI:2800 TW:540 Taps: 429
Starting AFSK1200 decoder.
AFSK1200 decoder destroyed.
Starting AFSK1200 decoder.
portaudio_sink::stop(): Error stopping audio stream: PortAudio not initialized
portaudio_sink::stop(): Error closing audio stream: PortAudio not initialized
rtlsdr_read_async returned with -5
saveSettings *** FIXME_ SQL on/off
New FFT rate: 30 Hz
New FFT rate: 30 Hz
rtlsdr_demod_write_reg failed with -4
rtlsdr_demod_read_reg failed with -4
r82xx_write: i2c wr failed=-4 reg=06 len=1
rtlsdr_demod_write_reg failed with -4
rtlsdr_demod_read_reg failed with -4
rtlsdr_write_reg failed with -4
AFSK1200 decoder destroyed.
Charless-MacBook-Pro:~ candre$
```

Total distance: 9.25km:

