

SETI ANALYSIS

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|------------------------|-----------|-----------------------|-------------------|----------|--------------------------|-----------|--|
| Date | 2/24/2020 | School | AAE Space Science | Teacher | Ms. Gaidzik | | |
| DOY | 55 | Local time starts | | Filename | spc00343_20200106_095213 | | |
| Frame nr | 343 | Galactic coordinates: | | Latitude | | Longitude | |
| Center Frequency (MHz) | 8450 | | | | | | |

A. Interference (RFI) data

| Number | Start Freq. (MHz) | End Freq. (MHz) | Start time (sec) | End time (sec) | Comments |
|--------|-------------------|-----------------|------------------|----------------|----------|
| 1 | 0.022 | 0.066 | 0 | 3630 | |
| 2 | 100.025 | 100.066 | 0 | 3630 | |
| 3 | 34.99205 | 34.99220 | 0 | 3630 | |
| 4 | 99.883 | 99.885 | 0 | 3630 | |
| 5 | 98.0074 | 98.0076 | 0 | 3630 | |

B. Possible Instrumental noise or Interference

| Number | Start Freq. (MHz) | End Freq. (MHz) | Start time (sec) | End time (sec) | Comments |
|--------|-------------------|-----------------|------------------|----------------|----------|
| 1 | 160.055 | 160.105 | 2100 | 3500 | |
| 2 | 39.942 | 39.993 | 2200 | 3500 | |
| 3 | 195.0554 | 195.0556 | 2200 | 3500 | |
| 4 | 160.2604 | 160.2606 | 2200 | 3500 | |
| 5 | 159.8500 | 159.8503 | 2200 | 3500 | |

C. Candidates

| Number | Start Freq. (MHz) | End Freq. (MHz) | Start time (sec) | End time (sec) | Power (aprox) (dB) | Comments |
|--------|-------------------|-----------------|------------------|----------------|--------------------|----------|
| 1 | 4.911154 | 4.911155 | 2844 | 2845 | 3.7 | |
| 2 | 23.660974 | 23.660975 | 1615 | 1617 | 4.0 | |
| 3 | 28.043766 | 28.043767 | 1819 | 1821 | 3.9 | |
| 4 | 34.254112 | 34.254113 | 3491 | 3493 | 4.3 | |
| 5 | 37.382680 | 37.382681 | 3404 | 3406 | 3.7 | |
| 6 | 60.278923 | 60.278924 | 2978 | 2980 | 4.2 | |
| 7 | 65.500917 | 65.500919 | 3076 | 3078 | 3.7 | |
| 8 | 70.623019 | 70.623020 | 1215 | 1217 | 4.4 | |
| 9 | 81.704772 | 81.704774 | 154 | 156 | 3.8 | |
| 10 | 131.373538 | 131.373539 | 875 | 877 | 4.2 | |
| 11 | 150.658616 | 150.658617 | 875 | 877 | 4.2 | |

| | | | | | | |
|----|------------|------------|------|------|-----|--|
| 12 | 192.355497 | 192.355498 | 2539 | 2541 | 3.7 | |
| 13 | 192.554667 | 192.554668 | 2944 | 2946 | 4.3 | |