

SETI ANALYSIS

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|------------------------|-----------|-------------------|--------------------------------|----------|--------------------------|-----------|--|
| Date | 4/15/2021 | School | AAE Space Science | Teacher | Ms. Gaidzik | | |
| DOY | 104 | Local time starts | | Filename | spc00843_20210401_105909 | | |
| Frame number | | 843 | 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 | 69.975586 | 69.975587 | 0 | 3618 | |
| 2 | 70.024411 | 70.024416 | 0 | 3618 | |
| 3 | 98.007231 | 98.007272 | 0 | 3618 | |
| 4 | 169.84 | 169.98 | 0 | 3618 | |
| 5 | 170.024414 | 170.024415 | 0 | 3618 | |

B. Possible Instrumental noise or Interference

| Number | Start Freq. (MHz) | End Freq. (MHz) | Start time (sec) | End time (sec) | Comments |
|--------|-------------------|-----------------|------------------|----------------|----------|
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |

C. Candidates

| Number | Start Freq. (MHz) | End Freq. (MHz) | Start time (sec) | End time (sec) | Power (aprox) (dB) | Comments |
|--------|-------------------|-----------------|------------------|----------------|--------------------|----------|
| 1 | 1.393017 | 1.393018 | 1111 | 1113 | 3.9 | |
| 2 | 8.137790 | 8.137800 | 915 | 917 | 3.9 | |
| 3 | 13.746221 | 13.746222 | 2004 | 2006 | 4.4 | |
| 4 | 40.795427 | 40.795428 | 2618 | 2620 | 4.1 | |
| 5 | 41.144710 | 41.144720 | 330 | 332 | 3.9 | |
| 6 | 49.000631 | 49.000632 | 2301 | 2303 | 4.6 | |
| 7 | 77.369023 | 77.369024 | 2368 | 2370 | 4.0 | |
| 8 | 85.763410 | 85.763420 | 1119 | 1121 | 4.0 | |
| 9 | 110.37630 | 110.37631 | 750 | 752 | 4.0 | |
| 10 | 116.480384 | 116.480385 | 1732 | 1734 | 4.2 | |
| 11 | 124.780748 | 124.780749 | 2584 | 2585 | 4.1 | |
| 12 | 163.550140 | 163.550150 | 2730 | 2732 | 4.0 | |

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| | | | | | |
|------------|------------|------|------|-----|--|
| 171.167868 | 171.167869 | 2471 | 2473 | 4.3 | |
|------------|------------|------|------|-----|--|