

SETI ANALYSIS

| | | | | | | | |
|------------------------|-----------|-------------------|-----------------------|----------|--------------------------|--|-----------|
| Date | 3/15/2019 | School | AAE Space Science | Teacher | Ms. Gaidzik | | |
| DOY | 84 | Local time starts | | Filename | spc00237_20181219_124301 | | |
| Frame number | | 237 | 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 | 0.02 | 0.03 | 0 | 3618 | |
| 2 | 98.007 | 98.008 | 0 | 3618 | |
| 3 | 69.8065 | 69.8075 | 0 | 3618 | |
| 4 | 100.0252 | 100.0253 | 0 | 3618 | |
| 5 | 169.8072 | 169.8075 | 0 | 3618 | |
| 6 | 69.9763 | 69.9764 | 0 | 3618 | |
| 7 | 70.02515 | 70.02517 | 0 | 3618 | |
| 8 | 70.2432 | 70.2437 | 0 | 3618 | |
| 9 | 169.9767 | 169.9768 | 0 | 3618 | |
| 10 | 170.02558 | 170.02561 | 0 | 3618 | |
| 11 | 170.2435 | 170.2440 | 0 | 3618 | |

B. Possible Instrumental noise or Interference

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

C. Candidates

| Number | Start Freq. (MHz) | End Freq. (MHz) | Start time (sec) | End time (sec) | Power (aprox) (dB) | Comments |
|--------|-------------------|-----------------|------------------|----------------|--------------------|----------|
| 1 | 2.855424 | 2.855425 | 1473 | 1475 | 4.1 | |
| 2 | 38.06675 | 38.06676 | 1661 | 1662 | 4.2 | |
| 3 | 45.23994 | 45.23995 | 63 | 65 | 4.1 | |
| 4 | 49.77885 | 49.77886 | 743 | 744 | 4.2 | |
| 5 | 68.531323 | 68.531324 | 707 | 709 | 4.0 | |
| 6 | 92.949895 | 92.949896 | 2304 | 2305 | 4.3 | |
| 7 | 99.57849 | 99.57851 | 647 | 649 | 4.2 | |
| 8 | 112.325356 | 112.325357 | 1461 | 1462 | 4.1 | |
| 9 | 114.088623 | 114.088624 | 684 | 686 | 4.2 | |

| | | | | | | |
|----|------------|------------|------|------|-----|--|
| 10 | 121.359264 | 121.359265 | 662 | 664 | 4.2 | |
| 11 | 135.965235 | 135.965236 | 2606 | 2608 | 4.3 | |
| 12 | 152.811363 | 152.811364 | 231 | 232 | 3.8 | |
| 13 | 154.712302 | 154.712303 | 2038 | 2040 | 4.0 | |