

### SETI ANALYSIS

|                        |              |                   |                       |          |
|------------------------|--------------|-------------------|-----------------------|----------|
| Date                   | Feb 18, 2014 | School            | AAE Space Science     | Teacher  |
| DOY                    | 49           | Local time starts | 9:17 PM               | Filename |
| Frame number           | 599          |                   | Galactic coordinates: | Latitude |
| Center Frequency (MHz) | 8450         |                   |                       |          |

#### A. Interference (RFI) data

| Number | Start Freq. (MHz) | End Freq. (MHz) | Start time (sec) | End time (sec) |  |
|--------|-------------------|-----------------|------------------|----------------|--|
| 1      | 70.0244           | 70.0245         | 0                | 3600           |  |
| 2      |                   |                 |                  |                |  |
| 3      |                   |                 |                  |                |  |
| 4      |                   |                 |                  |                |  |
| 5      |                   |                 |                  |                |  |

#### B. Possible Instrumental noise or Interference

| Number | Start Freq. (MHz) | End Freq. (MHz) | Start time (sec) | End time (sec) |  |
|--------|-------------------|-----------------|------------------|----------------|--|
| 1      | 27.074740         | 27.074751       | 746.5            | 747.0          |  |
| 2      | 98.0071           | 98.0072         | 2000             | 3600           |  |
| 3      | 155.7             | 156.8           | 2495             | 2500           |  |
| 4      | 179.3205          | 179.3210        | 277              | 280            |  |
| 5      | 194.65            | 194.66          | 335              | 340            |  |
| 6      | 187.81            | 187.82          | 824              | 826            |  |

#### C. Candidates

| Number | Start Freq. (MHz) | End Freq. (MHz) | Start time (sec) | End time (sec) | Power (aprox) (dB) |
|--------|-------------------|-----------------|------------------|----------------|--------------------|
| 1      | 58.86742          | 58.86743        | 2446.5           | 2447.5         | 4.6                |
| 2      | 60.6              | 60.7            | 1353             | 1354.5         | 5.1                |
| 3      | 62.1340           | 62.1342         | 65               | 67             | 4.6                |
| 4      | 72.925            | 72.926          | 1437             | 1438.5         | 4.4                |
| 5      | 142.505195        | 142.505200      | 2231.5           | 2233           | 4.3                |
| 6      | 110.96238         | 110.96239       | 215              | 225            | 4                  |
| 7      | 104.611018        | 104.611019      | 2123.5           | 2125           | 4                  |
| 8      | 145.874331        | 145.874332      | 3117.5           | 3118.8         | 4.3                |
| 9      | 121.216288        | 121.216289      | 1295             | 1305           | 3.6                |

|    |           |           |     |     |     |
|----|-----------|-----------|-----|-----|-----|
| 10 | 132.25033 | 132.25034 | 880 | 900 | 3.8 |
| 11 | 191.88    | 191.89    | 132 | 135 | 5   |
| 12 | 191.58    | 191.585   | 130 | 140 | 5   |

|                          |           |  |
|--------------------------|-----------|--|
| Ms. Gaidzik              |           |  |
| spc00599_20140218_085502 |           |  |
|                          | Longitude |  |

|                   |  |  |
|-------------------|--|--|
| Comments          |  |  |
| Long, bright line |  |  |
|                   |  |  |
|                   |  |  |
|                   |  |  |

|                       |  |  |
|-----------------------|--|--|
| Comments              |  |  |
| Shorter than a second |  |  |
| Spotty, curvy line    |  |  |
| Bright, yellow, short |  |  |
| Yellow, short         |  |  |
| Yellow, short         |  |  |
| Yellow, short         |  |  |

|                            |  |  |
|----------------------------|--|--|
| Comments                   |  |  |
| Short, bright              |  |  |
| Short, moderately bright   |  |  |
| Short, bright              |  |  |
| Lasting a second, powerful |  |  |
| Short, bright              |  |  |
| Short, bright              |  |  |
| Short, bright              |  |  |
| Short, bright              |  |  |
| Short, bright              |  |  |

|                    |
|--------------------|
| Short, bright      |
| Connection, yellow |
| Less than a second |