

LOOKING AT THE ENTIRE IMAGE

| Flare Date: | Temperature |         | Error  |       | Emission |       | Error |      | Density |       | Error  |       | Pressure |           | Error    |          | Energy   |           | Error    |        |      |
|-------------|-------------|---------|--------|-------|----------|-------|-------|------|---------|-------|--------|-------|----------|-----------|----------|----------|----------|-----------|----------|--------|------|
|             | Max         | Min     | Max    | Min   | Max      | Min   | Max   | Min  | Max     | Min   | Max    | Min   | Max      | Min       | Max      | Min      | Max      | Min       | Max      | Min    |      |
| 9/23/2011   | 7.31        | 6.24    | 6.9    | 4.1   | 46.9     | 42.9  | 45.8  | 42.1 | 11.23   | 9.27  | 10.1   | 7.9   | 2.25     | 0.06      | 1.74     | 8.50E-07 | 27.7     | 25.6      | 27.2     | 24.8   |      |
| 12/18/2007  | 7.89        | 5.56    | 7.29   | 4.01  | 46.3     | 41.9  | 45.5  | 40.9 | 10.96   | 8.76  | 9.83   | 7.36  | 2.17     | 4.00E-05  | 1.57     | 7.60E-06 | 27.7     | 2.55E+01  | 27.1     | 24.3   |      |
| 12/17/2007  | 7.36        | 5.5     | 6.88   | 3.94  | 46.63    | 41.79 | 45.8  | 40.8 | 11.11   | 8.69  | 9.97   | 7.35  | 1.5      | 5.70E-06  | 0.86     | 0.003    | 27.03    | 25.49     | 26.36    | 25.49  |      |
| 11/4/2010   | 256         | 7.26    | 5.43   | 6.9   | 4.2      | 46.4  | 43.2  | 45.7 | 42.1    | 11.01 | 9.4    | 10.02 | 8.05     | 1.8       | 5.30E-05 | 1.6      | 3.10E-05 | 27.3      | 25.5     | 27.1   | 24.4 |
|             | 384         | 7.91    | 6.19   | 7.44  | 4.16     | 48.94 | 43.77 | 48   | 43.3    | 12.27 | 9.68   | 8.9   | 11.1     | 2.61      | 7.20E-02 | 2.06     | 1.80E-01 | 28.1      | 2.62E+01 | 27.6   | 25.6 |
| 11/6/2010   | 7.75        | 6.44    | 7.33   | 4.52  | 47.85    | 44.2  | 46.6  | 43.8 | 11.7    | 9.9   | 10.3   | 8.6   | 2.43     | 9.40E-01  | 1.95     | 4.80E-01 | 27.9     | 2.64E+01  | 27.4     | 26     |      |
| 7/8/2012    | 7.63        | 6.39    | 7.2    | 4.9   | 46.72    | 43.31 | 45.8  | 42.4 | 11.2    | 9.5   | 10.2   | 8.1   | 1.89     | 4.60E-01  | 1.4      | 7.70E-05 | 27.38    | 2.60E+01  | 26.86    | 25.1   |      |
| Average:    | 7.58714     | 5.96429 | 7.1343 | 4.261 | 47.1057  | 43.01 | 46.17 | 42.2 | 11.354  | 9.314 | 9.9029 | 8.351 | 2.0929   | 0.2188712 | 1.597    | 0.094731 | 27.5871  | 25.807143 | 27.0886  | 25.099 |      |

LOOKING ONLY AT THE CURRENT SHEET AREA

| Flare Date: | Temperature   |       | Error |       | Emission Measure |       | Error |        | Number Density |       | Error |       | Pressure |           | Error    |          | Energy   |          | Error    |       |      |
|-------------|---|-------|-------|-------|------------------|-------|-------|--------|----------------|-------|-------|-------|----------|-----------|----------|----------|----------|----------|----------|-------|------|
|             | Max   | Min   | Max   | Min   | Max              | Min   | Max   | Min    | Max            | Min   | Max   | Min   | Max      | Min       | Max      | Min      | Max      | Min      | Max      | Min   |      |
| 9/23/2011   | Flare in this video is small in comparison to total image -- most temperatures are of surface |       |       |       |                  |       |       |        |                |       |       |       |          |           |          |          |          |          |          |       |      |
| 12/18/2007  | 7.25  | 6.05  | 6.84  | 4.95  | 44.41            | 41.95 | 44.08 | 40.98  | 10             | 8.77  | 9.43  | 7.36  | 1.31     | 5.53E-05  | 0.92     | 4.00E-04 | 26.81    | 2.52E+01 | 26.41    | 24.4  |      |
| 12/17/2007  | 7.26  | 6.12  | 6.79  | 5.27  | 43.98            | 41.83 | 43.58 | 40.89  | 9.79           | 8.72  | 9.1   | 7.36  | 0.87     | 5.72E-06  | 0.37     | 0.00051  | 26.36    | 25.13    | 25.87    | 24.7  |      |
| 11/4/2010   | 256   | 7.27  | 6.13  | 6.96  | 5.26             | 45.47 | 43.3  | 45.11  | 42.22          | 10.54 | 9.45  | 10.01 | 8.05     | 1.81      | 3.60E-01 | 1.62     | 1.61E-05 | 27.31    | 2.59E+01 | 27.11 | 24.4 |
|             | 384   | 6.85  | 6.35  | 6.25  | 5.25             | 46.03 | 43.9  | 45.76  | 43.53          | 10.81 | 9.75  | 10.24 | 9.09     | 1.32      | 7.30E-01 | 0.79     | 2.40E-01 | 26.82    | 2.63E+01 | 27.6  | 25.7 |
| 11/6/2010   | 7.2   | 6.51  | 6.88  | 5.63  | 45.73            | 44.27 | 45.57 | 43.87  | 10.67          | 9.94  | 10.22 | 9.14  | 1.42     | 9.40E-01  | 1.12     | 4.80E-01 | 26.92    | 2.64E+01 | 26.63    | 26    |      |
| 7/8/2012    | ***Couldn't pick a box because the alignment was so bad***                                    |       |       |       |                  |       |       |        |                |       |       |       |          |           |          |          |          |          |          |       |      |
| Average:    | 7.166   | 6.232 | 6.744 | 5.272 | 45.124           | 43.05 | 44.82 | 42.298 | 10.362         | 9.326 | 9.8   | 8.2   | 1.346    | 0.4060122 | 0.964    | 0.144185 | 26.844   | 25.784   | 26.724   | 25.04 |      |

\*\*\* Flare from 9/24/2011 was not used