

Ultraviolet Spectrometer / Polarimeter Experiment 01151

Start time Apr 07 1980 01:07:28 DOY 098

End time Apr 07 1980 01:50:13 DOY 098

Start major 554076 Minor 68

End major 554389 Minor 87

Experiment type (2) \*\*DOPPLERGRAM\*\*

Intvl 1 Det(s): 3 WL 1237.5 to 1237.5  
4 WL 1237.5 to 1237.5

Slit 4 (M) Reformatter version 15

Calibrate on Y-LOOP every 8-th time  
by 10 WLD steps

Wavelength: Step # 144385 to # 144385

|              |        |           |              |
|--------------|--------|-----------|--------------|
|              | NW 0   | DW 0      | GBL WO=35    |
| Polarimeter: | NP 0   | DP 0      | OUT          |
| Raster:      | NX 7   | DX 3      | X-center 12  |
|              | NY 7   | DY 3      | Y-center 138 |
|              | NR 600 | -X-Y-P-W- | Gate 0.063   |

DMA information:

threshold 29  
max value 168 at ( 9,138) WLD = 144385  
min value 0 at ( 3,147)  
blue max: vel = 25 int = 13 at ( 15,129)  
red max : vel = 60 int = 3 at ( 3,147)  
current flarX = 48 flarY = 208

Pointing information :

NOAA active region : 2372  
Helio. Latitude and Longitude : 9.6(N), 1.4(W)  
B0: -6.1 degrees P: -26.3 degrees

Spacecraft roll : 0.0 degrees  
Spacecraft Pitch -307.9 Yaw 40.0 arcsec  
Pitch and Yaw corresponding to UVSP X-cen Y-cen :  
Pitch -259.9 arcsec  
Yaw -23.0 arcsec

X boresight : 60.0  
Y boresight : 201.0

Theta : -5.0 deg.  
R : 260.9 arcsec  
Rsun : 958.5 arcsec  
R/Rsun : 0.272

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| #  | Start Time   | Det | Min | Max  | Mean  |
|----|--------------|-----|-----|------|-------|
| 1  | 01:07:28.981 | 3   | 0.  | 144. | 47.16 |
| 2  |              | 3   | 2.  | 151. | 42.59 |
| 3  |              | 3   | 2.  | 145. | 46.73 |
| 4  |              | 3   | 6.  | 148. | 45.84 |
| 5  |              | 3   | 1.  | 150. | 46.24 |
| 6  |              | 3   | 1.  | 147. | 46.16 |
| 7  |              | 3   | 2.  | 151. | 42.67 |
| 8  |              | 3   | 1.  | 89.  | 20.37 |
| 9  |              | 3   | 3.  | 147. | 45.57 |
| 10 |              | 3   | 3.  | 167. | 44.84 |
| 11 |              | 3   | 2.  | 144. | 43.10 |
| 12 |              | 3   | 1.  | 157. | 44.88 |
| 13 |              | 3   | 0.  | 142. | 42.98 |
| 14 |              | 3   | 3.  | 158. | 46.61 |
| 15 |              | 3   | 2.  | 132. | 43.96 |
| 16 |              | 3   | 1.  | 71.  | 22.92 |
| 17 |              | 3   | 1.  | 140. | 45.49 |
| 18 |              | 3   | 1.  | 127. | 42.12 |
| 19 |              | 3   | 1.  | 116. | 41.39 |
| 20 |              | 3   | 1.  | 127. | 41.55 |
| 21 |              | 3   | 2.  | 120. | 43.41 |
| 22 |              | 3   | 5.  | 126. | 42.78 |
| 23 |              | 3   | 1.  | 142. | 43.22 |
| 24 |              | 3   | 0.  | 90.  | 20.82 |
| 25 |              | 3   | 3.  | 127. | 40.98 |
| 26 |              | 3   | 0.  | 155. | 41.08 |
| 27 |              | 3   | 3.  | 159. | 40.92 |
| 28 |              | 3   | 2.  | 137. | 39.33 |
| 29 |              | 3   | 2.  | 111. | 38.88 |
| 30 |              | 3   | 0.  | 133. | 38.27 |
| 31 |              | 3   | 3.  | 108. | 37.55 |
| 32 |              | 3   | 2.  | 66.  | 18.59 |
| 33 |              | 3   | 2.  | 120. | 37.12 |
| 34 |              | 3   | 1.  | 125. | 36.63 |
| 35 |              | 3   | 2.  | 125. | 37.27 |
| 36 |              | 3   | 1.  | 107. | 36.92 |
| 37 |              | 3   | 2.  | 112. | 37.14 |
| 38 |              | 3   | 0.  | 143. | 39.16 |
| 39 |              | 3   | 3.  | 99.  | 35.39 |
| 40 |              | 3   | 0.  | 56.  | 17.18 |
| 41 |              | 3   | 1.  | 115. | 37.53 |
| 42 |              | 3   | 3.  | 143. | 37.18 |
| 43 |              | 3   | 0.  | 127. | 35.59 |
| 44 |              | 3   | 2.  | 104. | 34.84 |