

Ultraviolet Spectrometer / Polarimeter Experiment 05135

Start time Jun 28 1980 07:19:27 DOY 180  
End time Jun 28 1980 07:54:17 DOY 180

Start major 897356 Minor 8  
End major 897611 Minor 24

Experiment type (18) \*\*RASTER-THRU-LINE\*\*

Intvl 1 Det(s): 1 WL 1402.5 to 1403.0  
4 WL 1401.2 to 1401.7

Slit 10 (S) Reformatter version 15

Wavelength: Step # 111425 to # 111325

|              |        |           |              |
|--------------|--------|-----------|--------------|
|              | NW 4   | DW 25     | GBL WO=48    |
| Polarimeter: | NP 0   | DP 0      | OUT          |
| Raster:      | NX 7   | DX 4      | X-center 88  |
|              | NY 7   | DY 4      | Y-center 132 |
|              | NR 120 | -X-Y-W-P- | Gate 0.063   |

DMA information:

threshold 5  
max value 1382 at ( 88,128) WLD = 111350  
min value 0 at ( 80,120)  
blue max: vel = 60 int = 3 at ( 92,140)  
red max : vel = 30 int = 4 at ( 96,144)  
current flarX = 100 flarY = 58

Pointing information :

NOAA active region : 2522  
Helio. Latitude and Longitude : -27.7(S), 70.6(W)  
B0: 2.6 degrees P: -3.8 degrees

Spacecraft roll : 0.0 degrees  
Spacecraft Pitch 479.5 Yaw -719.2 arcsec  
Pitch and Yaw corresponding to UVSP X-cen Y-cen :  
Pitch 451.5 arcsec  
Yaw -788.2 arcsec

X boresight : 60.0  
Y boresight : 201.0

Theta : -120.0 deg.  
R : 908.4 arcsec  
Rsun : 943.9 arcsec  
R/Rsun : 0.962

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| #  | Start Time   | Det | Min | Max  | Mean   |
|----|--------------|-----|-----|------|--------|
| 1  | 07:19:28.092 | 1   | 0.  | 238. | 33.49  |
| 2  |              | 1   | 0.  | 183. | 27.37  |
| 3  |              | 1   | 2.  | 506. | 76.47  |
| 4  |              | 1   | 2.  | 355. | 62.04  |
| 5  |              | 1   | 19. | 864. | 218.41 |
| 6  | 07:19:28.108 | 4   | 5.  | 92.  | 30.35  |
| 7  |              | 4   | 5.  | 111. | 34.27  |
| 8  |              | 4   | 6.  | 126. | 31.02  |
| 9  |              | 4   | 1.  | 46.  | 13.37  |
| 10 |              | 4   | 1.  | 50.  | 13.33  |
| 11 |              | 4   | 0.  | 29.  | 4.14   |
| 12 |              | 4   | 0.  | 18.  | 4.24   |
| 13 |              | 4   | 0.  | 61.  | 8.96   |
| 14 |              | 4   | 0.  | 41.  | 8.47   |
| 15 |              | 4   | 7.  | 101. | 30.96  |
| 16 |              | 4   | 5.  | 92.  | 30.35  |
| 17 |              | 4   | 5.  | 111. | 34.27  |
| 18 |              | 4   | 6.  | 126. | 31.02  |
| 19 |              | 4   | 1.  | 46.  | 13.37  |
| 20 |              | 4   | 1.  | 50.  | 13.33  |
| 21 | 07:19:55.324 | 1   | 1.  | 77.  | 18.41  |
| 22 |              | 1   | 1.  | 83.  | 15.59  |
| 23 |              | 1   | 1.  | 374. | 55.31  |
| 24 |              | 1   | 2.  | 195. | 37.82  |
| 25 |              | 1   | 16. | 544. | 158.10 |
| 26 |              | 1   | 25. | 879. | 215.90 |
| 27 |              | 1   | 51. | 947. | 190.39 |
| 28 |              | 1   | 43. | 843. | 195.73 |
| 29 |              | 1   | 6.  | 275. | 61.67  |
| 30 |              | 1   | 9.  | 199. | 49.82  |
| 31 |              | 1   | 1.  | 77.  | 18.41  |
| 32 |              | 1   | 1.  | 83.  | 15.59  |
| 33 |              | 1   | 1.  | 374. | 55.31  |
| 34 |              | 1   | 2.  | 195. | 37.82  |
| 35 |              | 1   | 16. | 544. | 158.10 |
| 36 |              | 1   | 25. | 879. | 215.90 |
| 37 |              | 1   | 51. | 947. | 190.39 |
| 38 |              | 1   | 43. | 843. | 195.73 |
| 39 |              | 1   | 6.  | 275. | 61.67  |
| 40 |              | 1   | 9.  | 199. | 49.82  |
| 41 |              | 1   | 1.  | 77.  | 18.41  |
| 42 |              | 1   | 1.  | 83.  | 15.59  |
| 43 |              | 1   | 1.  | 374. | 55.31  |
| 44 |              | 1   | 2.  | 195. | 37.82  |
| 45 | 07:19:55.308 | 4   | 4.  | 87.  | 26.06  |
| 46 |              | 4   | 5.  | 105. | 30.92  |
| 47 |              | 4   | 10. | 116. | 33.47  |
| 48 |              | 4   | 5.  | 95.  | 31.73  |
| 49 |              | 4   | 1.  | 56.  | 12.24  |
| 50 |              | 4   | 2.  | 51.  | 11.84  |
| 51 |              | 4   | 0.  | 16.  | 4.39   |
| 52 |              | 4   | 0.  | 14.  | 3.65   |
| 53 |              | 4   | 1.  | 25.  | 8.14   |
| 54 |              | 4   | 0.  | 35.  | 7.41   |
| 55 |              | 4   | 4.  | 87.  | 26.06  |
| 56 |              | 4   | 5.  | 105. | 30.92  |
| 57 |              | 4   | 10. | 116. | 33.47  |
| 58 |              | 4   | 5.  | 95.  | 31.73  |
| 59 |              | 4   | 1.  | 56.  | 12.24  |
| 60 | 07:20:22.556 | 1   | 0.  | 100. | 49.82  |

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| #   | Start Time   | Det | Min | Max  | Mean   |
|-----|--------------|-----|-----|------|--------|
| 45  | 07:21:17.020 | 1   | 22. | 447. | 115.33 |
| 46  | 07:21:17.036 | 4   | 2.  | 55.  | 18.16  |
| 47  |              | 4   | 5.  | 63.  | 27.31  |
| 48  |              | 4   | 6.  | 90.  | 29.12  |
| 49  |              | 4   | 2.  | 37.  | 11.24  |
| 50  |              | 4   | 1.  | 38.  | 11.02  |
| 51  |              | 4   | 0.  | 9.   | 2.37   |
| 52  |              | 4   | 0.  | 8.   | 2.33   |
| 53  | 07:21:44.252 | 1   | 1.  | 175. | 22.98  |
| 54  |              | 1   | 1.  | 107. | 21.73  |
| 55  |              | 1   | 22. | 493. | 112.29 |
| 56  |              | 1   | 23. | 372. | 107.55 |
| 57  |              | 1   | 36. | 443. | 149.88 |
| 58  |              | 1   | 51. | 456. | 155.14 |
| 59  |              | 1   | 8.  | 234. | 43.35  |
| 60  |              | 1   | 5.  | 162. | 42.90  |
| 61  |              | 1   | 0.  | 59.  | 7.84   |
| 62  |              | 1   | 0.  | 57.  | 5.96   |
| 63  |              | 1   | 1.  | 175. | 22.98  |
| 64  |              | 1   | 1.  | 107. | 21.73  |
| 65  |              | 1   | 22. | 493. | 112.29 |
| 66  |              | 1   | 23. | 372. | 107.55 |
| 67  |              | 1   | 36. | 443. | 149.88 |
| 68  |              | 1   | 51. | 456. | 155.14 |
| 69  |              | 1   | 8.  | 234. | 43.35  |
| 70  |              | 1   | 5.  | 162. | 42.90  |
| 71  |              | 1   | 0.  | 59.  | 7.84   |
| 72  | 07:21:44.268 | 4   | 0.  | 8.   | 2.45   |
| 73  |              | 4   | 0.  | 19.  | 4.47   |
| 74  |              | 4   | 0.  | 20.  | 4.39   |
| 75  |              | 4   | 3.  | 46.  | 17.43  |
| 76  |              | 4   | 3.  | 55.  | 17.47  |
| 77  |              | 4   | 8.  | 69.  | 28.86  |
| 78  |              | 4   | 10. | 74.  | 28.37  |
| 79  |              | 4   | 0.  | 33.  | 9.86   |
| 80  |              | 4   | 2.  | 29.  | 10.78  |
| 81  |              | 4   | 0.  | 11.  | 2.61   |
| 82  |              | 4   | 0.  | 8.   | 2.45   |
| 83  |              | 4   | 0.  | 19.  | 4.47   |
| 84  |              | 4   | 0.  | 20.  | 4.39   |
| 85  |              | 4   | 3.  | 46.  | 17.43  |
| 86  |              | 4   | 3.  | 55.  | 17.47  |
| 87  |              | 4   | 8.  | 69.  | 28.86  |
| 88  |              | 4   | 10. | 74.  | 28.37  |
| 89  | 07:22:11.484 | 1   | 8.  | 234. | 43.35  |
| 90  |              | 1   | 5.  | 162. | 42.90  |
| 91  |              | 1   | 0.  | 59.  | 7.84   |
| 92  |              | 1   | 0.  | 57.  | 5.96   |
| 93  |              | 1   | 1.  | 175. | 22.98  |
| 94  |              | 1   | 1.  | 107. | 21.73  |
| 95  |              | 1   | 22. | 493. | 112.29 |
| 96  |              | 1   | 23. | 372. | 107.55 |
| 97  |              | 1   | 36. | 443. | 149.88 |
| 98  |              | 1   | 51. | 456. | 155.14 |
| 99  |              | 1   | 8.  | 234. | 43.35  |
| 100 |              | 1   | 5.  | 162. | 42.90  |
| 101 |              | 1   | 0.  | 59.  | 7.84   |
| 102 |              | 1   | 0.  | 57.  | 5.96   |
| 103 |              | 1   | 1.  | 175. | 22.98  |
| 104 |              | 1   | 1.  | 107. | 21.73  |

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| #   | Start Time   | Det | Min | Max  | Mean   |
|-----|--------------|-----|-----|------|--------|
| 89  | 07:23:05.964 | 4   | 1.  | 66.  | 14.69  |
| 90  |              | 4   | 0.  | 65.  | 13.69  |
| 91  | 07:23:33.180 | 1   | 0.  | 75.  | 11.37  |
| 92  |              | 1   | 0.  | 68.  | 10.82  |
| 93  |              | 1   | 1.  | 95.  | 24.80  |
| 94  |              | 1   | 0.  | 117. | 20.69  |
| 95  |              | 1   | 11. | 278. | 78.06  |
| 96  |              | 1   | 11. | 396. | 107.02 |
| 97  |              | 1   | 30. | 521. | 191.08 |
| 98  |              | 1   | 34. | 399. | 174.43 |
| 99  |              | 1   | 5.  | 180. | 47.73  |
| 100 | 07:23:33.164 | 4   | 2.  | 33.  | 9.94   |
| 101 |              | 4   | 0.  | 14.  | 3.35   |
| 102 |              | 4   | 0.  | 12.  | 2.84   |
| 103 |              | 4   | 0.  | 13.  | 3.98   |
| 104 |              | 4   | 0.  | 13.  | 4.47   |
| 105 |              | 4   | 5.  | 42.  | 13.20  |
| 106 |              | 4   | 1.  | 54.  | 15.94  |
| 107 |              | 4   | 10. | 78.  | 31.67  |
| 108 |              | 4   | 10. | 87.  | 29.71  |
| 109 |              | 4   | 2.  | 33.  | 10.16  |
| 110 |              | 4   | 2.  | 33.  | 9.94   |
| 111 |              | 4   | 0.  | 14.  | 3.35   |
| 112 |              | 4   | 0.  | 12.  | 2.84   |
| 113 |              | 4   | 0.  | 13.  | 3.98   |
| 114 |              | 4   | 0.  | 13.  | 4.47   |
| 115 |              | 4   | 5.  | 42.  | 13.20  |
| 116 |              | 4   | 1.  | 54.  | 15.94  |
| 117 |              | 4   | 10. | 78.  | 31.67  |
| 118 |              | 4   | 10. | 87.  | 29.71  |
| 119 |              | 4   | 2.  | 33.  | 10.16  |
| 120 |              | 4   | 2.  | 33.  | 9.94   |
| 121 |              | 4   | 0.  | 14.  | 3.35   |
| 122 |              | 4   | 0.  | 12.  | 2.84   |
| 123 | 07:24:00.412 | 1   | 1.  | 76.  | 14.78  |
| 124 |              | 1   | 0.  | 52.  | 15.47  |
| 125 |              | 1   | 7.  | 244. | 70.65  |
| 126 |              | 1   | 12. | 295. | 79.20  |
| 127 |              | 1   | 49. | 404. | 157.82 |
| 128 |              | 1   | 42. | 383. | 152.12 |
| 129 |              | 1   | 5.  | 148. | 43.00  |
| 130 |              | 1   | 8.  | 173. | 43.20  |
| 131 |              | 1   | 0.  | 37.  | 5.86   |
| 132 |              | 1   | 0.  | 20.  | 5.41   |
| 133 | 07:24:00.428 | 4   | 0.  | 12.  | 3.41   |
| 134 |              | 4   | 0.  | 14.  | 3.41   |
| 135 |              | 4   | 2.  | 47.  | 11.61  |
| 136 |              | 4   | 2.  | 46.  | 12.29  |
| 137 |              | 4   | 7.  | 75.  | 28.14  |
| 138 |              | 4   | 5.  | 69.  | 27.45  |
| 139 |              | 4   | 1.  | 34.  | 9.84   |
| 140 |              | 4   | 2.  | 49.  | 10.71  |
| 141 |              | 4   | 0.  | 7.   | 2.67   |
| 142 |              | 4   | 0.  | 9.   | 2.16   |
| 143 |              | 4   | 0.  | 12.  | 3.41   |
| 144 |              | 4   | 0.  | 14.  | 3.41   |
| 145 |              | 4   | 2.  | 47.  | 11.61  |
| 146 |              | 4   | 2.  | 46.  | 12.29  |
| 147 |              | 4   | 7.  | 75.  | 28.14  |
| 148 |              | 4   | 5.  | 69.  | 27.45  |

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| #   | Start Time   | Det | Min | Max  | Mean   |
|-----|--------------|-----|-----|------|--------|
| 133 | 07:25:22.108 | 1   | 0.  | 149. | 17.37  |
| 134 |              | 1   | 1.  | 382. | 27.92  |
| 135 |              | 1   | 9.  | 295. | 85.08  |
| 136 | 07:25:22.092 | 4   | 1.  | 32.  | 9.69   |
| 137 |              | 4   | 10. | 73.  | 26.35  |
| 138 |              | 4   | 7.  | 87.  | 25.86  |
| 139 |              | 4   | 2.  | 39.  | 9.59   |
| 140 |              | 4   | 1.  | 40.  | 9.84   |
| 141 |              | 4   | 0.  | 7.   | 1.92   |
| 142 |              | 4   | 0.  | 11.  | 2.31   |
| 143 |              | 4   | 0.  | 21.  | 4.08   |
| 144 |              | 4   | 0.  | 25.  | 3.84   |
| 145 |              | 4   | 2.  | 34.  | 12.88  |
| 146 |              | 4   | 1.  | 32.  | 9.69   |
| 147 | 07:25:49.340 | 1   | 35. | 611. | 179.22 |
| 148 |              | 1   | 37. | 587. | 171.18 |
| 149 |              | 1   | 0.  | 9.   | 1.61   |
| 150 |              | 1   | 0.  | 0.   | 0.00   |
| 151 |              | 1   | 0.  | 33.  | 6.47   |
| 152 |              | 1   | 0.  | 158. | 10.61  |
| 153 |              | 1   | 0.  | 298. | 27.39  |
| 154 |              | 1   | 0.  | 246. | 21.47  |
| 155 |              | 1   | 0.  | 2.   | 0.08   |
| 156 |              | 1   | 10. | 324. | 93.63  |
| 157 |              | 1   | 35. | 611. | 179.22 |
| 158 |              | 1   | 37. | 587. | 171.18 |
| 159 |              | 1   | 0.  | 9.   | 1.61   |
| 160 |              | 1   | 0.  | 0.   | 0.00   |
| 161 |              | 1   | 0.  | 33.  | 6.47   |
| 162 |              | 1   | 0.  | 158. | 10.61  |
| 163 |              | 1   | 0.  | 298. | 27.39  |
| 164 |              | 1   | 0.  | 246. | 21.47  |
| 165 |              | 1   | 0.  | 2.   | 0.08   |
| 166 |              | 1   | 10. | 324. | 93.63  |
| 167 |              | 1   | 35. | 611. | 179.22 |
| 168 |              | 1   | 37. | 587. | 171.18 |
| 169 |              | 1   | 0.  | 9.   | 1.61   |
| 170 |              | 1   | 0.  | 0.   | 0.00   |
| 171 |              | 1   | 0.  | 33.  | 6.47   |
| 172 |              | 1   | 0.  | 158. | 10.61  |
| 173 |              | 1   | 0.  | 298. | 27.39  |
| 174 | 07:25:49.356 | 4   | 0.  | 11.  | 3.10   |
| 175 |              | 4   | 0.  | 1.   | 0.06   |
| 176 |              | 4   | 4.  | 49.  | 14.78  |
| 177 | 07:26:16.572 | 1   | 35. | 611. | 179.22 |
| 178 |              | 1   | 37. | 587. | 171.18 |
| 179 |              | 1   | 0.  | 9.   | 1.61   |
| 180 |              | 1   | 0.  | 0.   | 0.00   |
| 181 |              | 1   | 0.  | 33.  | 6.47   |
| 182 |              | 1   | 0.  | 158. | 10.61  |
| 183 |              | 1   | 0.  | 298. | 27.39  |
| 184 |              | 1   | 0.  | 246. | 21.47  |
| 185 |              | 1   | 0.  | 2.   | 0.08   |
| 186 |              | 1   | 10. | 324. | 93.63  |
| 187 |              | 1   | 35. | 611. | 179.22 |
| 188 |              | 1   | 37. | 587. | 171.18 |
| 189 |              | 1   | 0.  | 9.   | 1.61   |
| 190 |              | 1   | 0.  | 0.   | 0.00   |
| 191 |              | 1   | 0.  | 33.  | 6.47   |
| 192 |              | 1   | 0.  | 158. | 10.61  |