

Ultraviolet Spectrometer / Polarimeter Experiment 04955

Start time Jun 24 1980 15:11:50 DOY 176  
End time Jun 24 1980 16:02:13 DOY 176

Start major 858628 Minor 47  
End major 858997 Minor 56

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

Intvl 1 Det(s): 3 WL 1546.8 to 1546.8  
4 WL 1546.8 to 1546.8

Slit 4 (M) Reformatter version 15

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

Wavelength: Step # 84825 to # 84825

|              |        |           |              |
|--------------|--------|-----------|--------------|
|              | NW 0   | DW 0      | GBL WO=30    |
| Polarimeter: | NP 0   | DP 0      | OUT          |
| Raster:      | NX 20  | DX 3      | X-center 63  |
|              | NY 20  | DY 3      | Y-center 156 |
|              | NR 200 | -X-Y-P-W- | Gate 0.063   |

DMA information:

threshold 5  
max value-28170 at ( 77,134) WLD = 84824  
min value 0 at ( 74,128)  
blue max: vel = 26 int = \*\*\* at ( 71,128)  
red max : vel = 36 int = 249 at ( 47,176)  
current flarX = 68 flarY = 122

Pointing information :

NOAA active region : 2522  
Helio. Latitude and Longitude : -29.2(S), 14.4(W)  
B0: 2.2 degrees P: -5.5 degrees

Spacecraft roll : 0.0 degrees  
Spacecraft Pitch 494.4 Yaw -159.7 arcsec  
Pitch and Yaw corresponding to UVSP X-cen Y-cen :  
Pitch 491.4 arcsec  
Yaw -204.7 arcsec

X boresight : 60.0  
Y boresight : 201.0

Theta : -157.0 deg.  
R : 532.3 arcsec  
Rsun : 944.0 arcsec  
R/Rsun : 0.564

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| #  | Start Time   | Det | Min | Max    | Mean    |
|----|--------------|-----|-----|--------|---------|
| 1  | 15:11:50.644 | 3   | 0.  | 2730.  | 195.06  |
| 2  | 15:11:50.660 | 4   | 18. | 3980.  | 295.23  |
| 3  | 15:12:21.396 | 3   | 21. | 2908.  | 198.74  |
| 4  | 15:12:21.380 | 4   | 21. | 4242.  | 296.09  |
| 5  | 15:12:52.244 | 3   | 26. | 4141.  | 202.86  |
| 6  | 15:12:52.228 | 4   | 23. | 6128.  | 303.06  |
| 7  | 15:13:23.060 | 3   | 33. | 3170.  | 192.64  |
| 8  | 15:13:23.076 | 4   | 21. | 5637.  | 296.70  |
| 9  | 15:13:54.484 | 3   | 34. | 2678.  | 203.55  |
| 10 | 15:13:54.468 | 4   | 18. | 5182.  | 290.42  |
| 11 | 15:14:25.204 | 3   | 32. | 2282.  | 202.65  |
| 12 | 15:14:25.188 | 4   | 16. | 3701.  | 285.06  |
| 13 | 15:14:56.020 | 3   | 31. | 2651.  | 204.27  |
| 14 | 15:14:56.036 | 4   | 13. | 3898.  | 291.03  |
| 15 | 15:15:27.508 | 3   | 15. | 2060.  | 124.84  |
| 16 | 15:15:27.524 | 4   | 40. | 3579.  | 434.80  |
| 17 | 15:15:58.772 | 3   | 31. | 2288.  | 210.21  |
| 18 | 15:15:58.756 | 4   | 26. | 3234.  | 304.54  |
| 19 | 15:16:29.524 | 3   | 33. | 2030.  | 211.59  |
| 20 | 15:16:29.540 | 4   | 28. | 3439.  | 308.62  |
| 21 | 15:17:00.308 | 3   | 35. | 2573.  | 213.22  |
| 22 | 15:17:00.324 | 4   | 26. | 3625.  | 314.56  |
| 23 | 15:17:31.156 | 3   | 33. | 2727.  | 219.97  |
| 24 | 15:17:31.140 | 4   | 25. | 3958.  | 319.90  |
| 25 | 15:18:02.004 | 3   | 27. | 3072.  | 223.08  |
| 26 | 15:18:01.988 | 4   | 25. | 5868.  | 329.79  |
| 27 | 15:18:32.884 | 3   | 27. | 5185.  | 228.50  |
| 28 | 15:18:32.868 | 4   | 23. | 8020.  | 345.00  |
| 29 | 15:19:03.668 | 3   | 35. | 5920.  | 240.03  |
| 30 | 15:19:03.652 | 4   | 24. | 6583.  | 359.07  |
| 31 | 15:19:35.156 | 3   | 0.  | 4940.  | 145.39  |
| 32 | 15:19:35.140 | 4   | 30. | 7237.  | 510.88  |
| 33 | 15:20:11.380 | 3   | 24. | 9059.  | 243.12  |
| 34 | 15:20:11.396 | 4   | 17. | 10415. | 382.75  |
| 35 | 15:20:42.132 | 3   | 24. | 4922.  | 228.36  |
| 36 | 15:20:42.116 | 4   | 18. | 6728.  | 398.59  |
| 37 | 15:21:13.012 | 3   | 18. | 5688.  | 263.28  |
| 38 | 15:21:13.028 | 4   | 19. | 14208. | 583.87  |
| 39 | 15:21:43.796 | 3   | 21. | 13139. | 488.20  |
| 40 | 15:21:43.812 | 4   | 25. | 28600. | 1352.65 |
| 41 | 15:22:14.644 | 3   | 35. | 37365. | 1102.55 |
| 42 | 15:22:14.628 | 4   | 48. | 54420. | 2984.76 |
| 43 | 15:22:45.780 | 3   | 0.  | 12527. | 43.47   |
| 44 | 15:22:45.796 | 4   | 0.  | 64658. | 199.28  |

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| #  | Start Time   | Det | Min | Max  | Mean |
|----|--------------|-----|-----|------|------|
| 45 | 15:23:16.692 | 3   | 0.  | 0.   | 0.00 |
| 46 | 15:23:16.676 | 4   | 0.  | 0.   | 0.00 |
| 47 | 15:23:48.116 | 3   | 0.  | 0.   | 0.00 |
| 48 | 15:23:48.132 | 4   | 0.  | 0.   | 0.00 |
| 49 | 15:24:19.412 | 3   | 0.  | 0.   | 0.00 |
| 50 | 15:24:19.396 | 4   | 0.  | 0.   | 0.00 |
| 51 | 15:24:50.132 | 3   | 0.  | 0.   | 0.00 |
| 52 | 15:24:50.148 | 4   | 0.  | 0.   | 0.00 |
| 53 | 15:25:20.980 | 3   | 0.  | 0.   | 0.00 |
| 54 | 15:25:20.996 | 4   | 0.  | 0.   | 0.00 |
| 55 | 15:25:51.828 | 3   | 0.  | 0.   | 0.00 |
| 56 | 15:25:51.844 | 4   | 0.  | 0.   | 0.00 |
| 57 | 15:26:22.676 | 3   | 0.  | 0.   | 0.00 |
| 58 | 15:26:22.660 | 4   | 0.  | 0.   | 0.00 |
| 59 | 15:26:53.492 | 3   | 0.  | 0.   | 0.00 |
| 60 | 15:26:53.508 | 4   | 0.  | 0.   | 0.00 |
| 61 | 15:27:24.340 | 3   | 0.  | 0.   | 0.00 |
| 62 | 15:27:24.324 | 4   | 0.  | 0.   | 0.00 |
| 63 | 15:27:55.828 | 3   | 0.  | 0.   | 0.00 |
| 64 | 15:27:55.812 | 4   | 0.  | 0.   | 0.00 |
| 65 | 15:28:27.092 | 3   | 0.  | 0.   | 0.00 |
| 66 | 15:28:27.076 | 4   | 0.  | 0.   | 0.00 |
| 67 | 15:28:57.812 | 3   | 0.  | 0.   | 0.00 |
| 68 | 15:28:57.796 | 4   | 0.  | 0.   | 0.00 |
| 69 | 15:29:28.629 | 3   | 0.  | 0.   | 0.00 |
| 70 | 15:29:28.645 | 4   | 0.  | 0.   | 0.00 |
| 71 | 15:29:59.477 | 3   | 0.  | 0.   | 0.00 |
| 72 | 15:29:59.461 | 4   | 0.  | 0.   | 0.00 |
| 73 | 15:30:30.293 | 3   | 0.  | 0.   | 0.00 |
| 74 | 15:30:30.309 | 4   | 0.  | 0.   | 0.00 |
| 75 | 15:31:01.141 | 3   | 0.  | 0.   | 0.00 |
| 76 | 15:31:01.125 | 4   | 0.  | 255. | 0.64 |
| 77 | 15:31:31.989 | 3   | 0.  | 0.   | 0.00 |
| 78 | 15:31:31.973 | 4   | 0.  | 0.   | 0.00 |
| 79 | 15:32:03.477 | 3   | 0.  | 0.   | 0.00 |
| 80 | 15:32:03.461 | 4   | 0.  | 0.   | 0.00 |
| 81 | 15:32:34.741 | 3   | 0.  | 0.   | 0.00 |
| 82 | 15:32:34.725 | 4   | 0.  | 0.   | 0.00 |
| 83 | 15:33:05.461 | 3   | 0.  | 0.   | 0.00 |
| 84 | 15:33:05.445 | 4   | 0.  | 0.   | 0.00 |
| 85 | 15:33:36.277 | 3   | 0.  | 0.   | 0.00 |
| 86 | 15:33:36.293 | 4   | 0.  | 0.   | 0.00 |
| 87 | 15:34:07.125 | 3   | 0.  | 0.   | 0.00 |
| 88 | 15:34:07.109 | 4   | 0.  | 0.   | 0.00 |

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| #   | Start Time   | Det | Min | Max | Mean |
|-----|--------------|-----|-----|-----|------|
| 89  | 15:34:37.941 | 3   | 0.  | 0.  | 0.00 |
| 90  | 15:34:37.957 | 4   | 0.  | 0.  | 0.00 |
| 91  | 15:35:08.789 | 3   | 0.  | 0.  | 0.00 |
| 92  | 15:35:08.773 | 4   | 0.  | 0.  | 0.00 |
| 93  | 15:35:39.605 | 3   | 0.  | 0.  | 0.00 |
| 94  | 15:35:39.621 | 4   | 0.  | 0.  | 0.00 |
| 95  | 15:36:11.093 | 3   | 0.  | 0.  | 0.00 |
| 96  | 15:36:11.109 | 4   | 0.  | 0.  | 0.00 |
| 97  | 15:36:42.357 | 3   | 0.  | 0.  | 0.00 |
| 98  | 15:36:42.373 | 4   | 0.  | 0.  | 0.00 |
| 99  | 15:37:13.077 | 3   | 0.  | 0.  | 0.00 |
| 100 | 15:37:13.093 | 4   | 0.  | 0.  | 0.00 |
| 101 | 15:37:43.925 | 3   | 0.  | 0.  | 0.00 |
| 102 | 15:37:43.909 | 4   | 0.  | 0.  | 0.00 |
| 103 | 15:38:14.741 | 3   | 0.  | 0.  | 0.00 |
| 104 | 15:38:14.757 | 4   | 0.  | 0.  | 0.00 |
| 105 | 15:38:45.589 | 3   | 0.  | 0.  | 0.00 |
| 106 | 15:38:45.573 | 4   | 0.  | 0.  | 0.00 |
| 107 | 15:39:16.405 | 3   | 0.  | 0.  | 0.00 |
| 108 | 15:39:16.421 | 4   | 0.  | 0.  | 0.00 |
| 109 | 15:39:47.253 | 3   | 0.  | 0.  | 0.00 |
| 110 | 15:39:47.237 | 4   | 0.  | 0.  | 0.00 |
| 111 | 15:40:18.741 | 3   | 0.  | 0.  | 0.00 |
| 112 | 15:40:18.725 | 4   | 0.  | 0.  | 0.00 |
| 113 | 15:40:49.973 | 3   | 0.  | 0.  | 0.00 |
| 114 | 15:40:49.989 | 4   | 0.  | 0.  | 0.00 |
| 115 | 15:41:20.693 | 3   | 0.  | 0.  | 0.00 |
| 116 | 15:41:20.709 | 4   | 0.  | 0.  | 0.00 |
| 117 | 15:41:51.541 | 3   | 0.  | 0.  | 0.00 |
| 118 | 15:41:51.525 | 4   | 0.  | 0.  | 0.00 |
| 119 | 15:42:22.357 | 3   | 0.  | 0.  | 0.00 |
| 120 | 15:42:22.373 | 4   | 0.  | 0.  | 0.00 |
| 121 | 15:42:53.205 | 3   | 0.  | 0.  | 0.00 |
| 122 | 15:42:53.189 | 4   | 0.  | 0.  | 0.00 |
| 123 | 15:43:24.053 | 3   | 0.  | 0.  | 0.00 |
| 124 | 15:43:24.037 | 4   | 0.  | 0.  | 0.00 |
| 125 | 15:43:54.901 | 3   | 0.  | 0.  | 0.00 |
| 126 | 15:43:54.885 | 4   | 0.  | 0.  | 0.00 |
| 127 | 15:44:26.389 | 3   | 0.  | 0.  | 0.00 |
| 128 | 15:44:26.373 | 4   | 0.  | 0.  | 0.00 |
| 129 | 15:44:57.653 | 3   | 0.  | 0.  | 0.00 |
| 130 | 15:44:57.637 | 4   | 0.  | 0.  | 0.00 |
| 131 | 15:45:28.373 | 3   | 0.  | 0.  | 0.00 |
| 132 | 15:45:28.357 | 4   | 0.  | 0.  | 0.00 |

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| #   | Start Time   | Det | Min | Max | Mean |
|-----|--------------|-----|-----|-----|------|
| 133 | 15:45:59.189 | 3   | 0.  | 0.  | 0.00 |
| 134 | 15:45:59.205 | 4   | 0.  | 0.  | 0.00 |
| 135 | 15:46:30.037 | 3   | 0.  | 0.  | 0.00 |
| 136 | 15:46:30.021 | 4   | 0.  | 0.  | 0.00 |
| 137 | 15:47:00.853 | 3   | 0.  | 0.  | 0.00 |
| 138 | 15:47:00.869 | 4   | 0.  | 0.  | 0.00 |
| 139 | 15:47:31.701 | 3   | 0.  | 0.  | 0.00 |
| 140 | 15:47:31.685 | 4   | 0.  | 0.  | 0.00 |
| 141 | 15:48:02.517 | 3   | 0.  | 0.  | 0.00 |
| 142 | 15:48:02.533 | 4   | 0.  | 0.  | 0.00 |
| 143 | 15:48:34.005 | 3   | 0.  | 0.  | 0.00 |
| 144 | 15:48:34.021 | 4   | 0.  | 0.  | 0.00 |
| 145 | 15:49:05.269 | 3   | 0.  | 0.  | 0.00 |
| 146 | 15:49:05.285 | 4   | 0.  | 0.  | 0.00 |
| 147 | 15:49:35.989 | 3   | 0.  | 0.  | 0.00 |
| 148 | 15:49:36.005 | 4   | 0.  | 0.  | 0.00 |
| 149 | 15:50:06.837 | 3   | 0.  | 0.  | 0.00 |
| 150 | 15:50:06.821 | 4   | 0.  | 0.  | 0.00 |
| 151 | 15:50:37.653 | 3   | 0.  | 0.  | 0.00 |
| 152 | 15:50:37.669 | 4   | 0.  | 0.  | 0.00 |
| 153 | 15:51:08.501 | 3   | 0.  | 0.  | 0.00 |
| 154 | 15:51:08.485 | 4   | 0.  | 0.  | 0.00 |
| 155 | 15:51:39.317 | 3   | 0.  | 0.  | 0.00 |
| 156 | 15:51:39.333 | 4   | 0.  | 0.  | 0.00 |
| 157 | 15:52:10.165 | 3   | 0.  | 0.  | 0.00 |
| 158 | 15:52:10.149 | 4   | 0.  | 0.  | 0.00 |
| 159 | 15:52:41.653 | 3   | 0.  | 0.  | 0.00 |
| 160 | 15:52:41.637 | 4   | 0.  | 0.  | 0.00 |
| 161 | 15:53:12.917 | 3   | 0.  | 0.  | 0.00 |
| 162 | 15:53:12.901 | 4   | 0.  | 0.  | 0.00 |
| 163 | 15:53:43.637 | 3   | 0.  | 0.  | 0.00 |
| 164 | 15:53:43.621 | 4   | 0.  | 0.  | 0.00 |
| 165 | 15:54:14.453 | 3   | 0.  | 0.  | 0.00 |
| 166 | 15:54:14.469 | 4   | 0.  | 0.  | 0.00 |
| 167 | 15:54:45.301 | 3   | 0.  | 0.  | 0.00 |
| 168 | 15:54:45.285 | 4   | 0.  | 0.  | 0.00 |
| 169 | 15:55:16.117 | 3   | 0.  | 0.  | 0.00 |
| 170 | 15:55:16.133 | 4   | 0.  | 0.  | 0.00 |
| 171 | 15:55:46.965 | 3   | 0.  | 0.  | 0.00 |
| 172 | 15:55:46.949 | 4   | 0.  | 0.  | 0.00 |
| 173 | 15:56:17.813 | 3   | 0.  | 0.  | 0.00 |
| 174 | 15:56:17.797 | 4   | 0.  | 0.  | 0.00 |
| 175 | 15:56:49.301 | 3   | 0.  | 0.  | 0.00 |
| 176 | 15:56:49.285 | 4   | 0.  | 0.  | 0.00 |

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| #   | Start Time   | Det    | Min | Max | Mean |
|-----|--------------|--------|-----|-----|------|
| 177 | 15:57:20.565 | 3      | 0.  | 0.  | 0.00 |
| 178 | 15:57:20.549 | 4      | 0.  | 0.  | 0.00 |
| 179 | 15:57:51.285 | 3      | 0.  | 0.  | 0.00 |
| 180 | 15:57:51.269 | 4      | 0.  | 0.  | 0.00 |
| 181 | 15:58:22.101 | 3      | 0.  | 0.  | 0.00 |
| 182 | 15:58:22.117 | 4      | 0.  | 0.  | 0.00 |
| 183 | 15:58:52.949 | 3      | 0.  | 0.  | 0.00 |
| 184 | 15:58:52.933 | 4      | 0.  | 0.  | 0.00 |
| 185 | 15:59:23.765 | 3      | 0.  | 0.  | 0.00 |
| 186 | 15:59:23.781 | 4      | 0.  | 0.  | 0.00 |
| 187 | 15:59:54.613 | 3      | 0.  | 0.  | 0.00 |
| 188 | 15:59:54.597 | 4      | 0.  | 0.  | 0.00 |
| 189 | 16:00:25.429 | 3      | 0.  | 0.  | 0.00 |
| 190 | 16:00:25.445 | 4      | 0.  | 0.  | 0.00 |
| 191 | 16:00:56.918 | 3      | 0.  | 0.  | 0.00 |
| 192 | 16:00:56.934 | 4      | 0.  | 0.  | 0.00 |
| 193 | 16:01:28.182 | 3      | 0.  | 0.  | 0.00 |
| 194 | 16:01:28.198 | 4      | 0.  | 0.  | 0.00 |
| 195 | 16:01:58.902 | 3      | 0.  | 0.  | 0.00 |
| Det | Min          | Max    |     |     |      |
| 3   | 0.           | 37365. |     |     |      |
| 4   | 0.           | 64658  |     |     |      |