Co-alignment of EIS spectra with magnetograms

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EIS team meeting
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Overview

• Co-alignments made to:
  – MDI full disk magnetograms
  – MDI high resolution magnetograms
  – SOT narrow band magnetograms
  – SOT spectropolarimeter magnetograms

• EIS
  – large FOV
  – He II 256
Active region – Dec. 11, 2007
MDI full disk
Dec 11 cont. - MDI hi res
Dec 11 cont. - MDI fg
MDI – fd (left) hires (right)
FG (left) - SP (right)
Quiet Sun – Sept. 25
MDI full disk
QS 9/27 – MDI hires
QS 9/27 – Fe XII vs MDI hires
<table>
<thead>
<tr>
<th>Magnetogram</th>
<th># of Alignments</th>
<th>X offset (&quot;&quot;)</th>
<th>Y offset (&quot;&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDI FD</td>
<td>11</td>
<td>6.5 ± 2.5</td>
<td>-16 ± 4</td>
</tr>
<tr>
<td>MDI HiRes</td>
<td>3</td>
<td>9 ± 4</td>
<td>-18 ± 5</td>
</tr>
<tr>
<td>FG</td>
<td>5</td>
<td>3 ± 8</td>
<td>-23 ± 5</td>
</tr>
<tr>
<td>SP</td>
<td>3</td>
<td>-7 ± 20</td>
<td>-21 ± 7</td>
</tr>
</tbody>
</table>
Comments

• A real lack of FG and SP data co-spatial with EIS
• MDI hi res data is usually the best bet
• EIS data for 2007 March – July 16 needs to be reprocessed to correct YCEN
• SP data is not provided with the usual fits header information - I have guessed at it.