### HE/H+ Diff. Intensity Ratios, ICS

<table>
<thead>
<tr>
<th>UT</th>
<th>1200</th>
<th>1400</th>
<th>1600</th>
<th>1800</th>
<th>2000</th>
<th>2200</th>
<th>0000</th>
</tr>
</thead>
<tbody>
<tr>
<td>X_{GSM}</td>
<td>-6.9</td>
<td>-7.9</td>
<td>-8.8</td>
<td>-9.8</td>
<td>-10.7</td>
<td>-11.5</td>
<td>-12.2</td>
</tr>
<tr>
<td>Y_{GSM(GSE)}</td>
<td>28.3(28.3)</td>
<td>27.5(27.7)</td>
<td>26.4(27.0)</td>
<td>24.8(26.2)</td>
<td>23.1(25.3)</td>
<td>21.7(24.3)</td>
<td>20.9(23.4)</td>
</tr>
<tr>
<td>Z_{GSM(GSE)}</td>
<td>1.5(0.1)</td>
<td>3.1(0.2)</td>
<td>5.7(0.4)</td>
<td>8.4(0.6)</td>
<td>10.3(0.8)</td>
<td>11.0(0.9)</td>
<td>10.5(1.1)</td>
</tr>
</tbody>
</table>

### O/H Diff. Intensity Ratios, ICS

### He++/H+ Diff. Int. Ratio, STICS

### O+/H+ Diff. Int. Ratio, STICS

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+ He\textsubscript{2}/P2
+ He\textsubscript{5}/P2
+ M3/P2
+ M8/P2
+ HeHRatio_S
+ OHRatio_S