## Table VI

### Pyramid Noon Reflexions During the Summer Half of the Year

<table>
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<tr>
<th>Astronomical points in the Solar Year</th>
<th>Modern Calendar Dates</th>
<th>Diagram Reference (Plates if 5-8 inclusive)</th>
<th>Inclination with Horizontal</th>
<th>General characteristics and variations between dates</th>
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<th>Constant Inclination of Projection of E. &amp; W. Reflexions on E. and W. Vertical Plane</th>
<th>Azimuth of Apex Ridge of Reflexion E. of N. &amp; W. of N.</th>
<th>General characteristics and variations between dates</th>
<th>Sun's observed altitude at Pyramid</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vernal Equinox</td>
<td>20-21 Mar.</td>
<td>Fig. A</td>
<td>16°-17½' upwards</td>
<td>Reflection gradually lowering</td>
<td>43°-42½' downwards</td>
<td>13°-42½' downwards</td>
<td>59°-16°- 42°</td>
<td>Southern Limit of E. &amp; W. reflections point due N. &amp; S. respectively</td>
<td>Reflections gradually shortening.</td>
<td>60°</td>
</tr>
<tr>
<td>Beginning of Summer 1/2 way Vernal Equinox</td>
<td>6-May</td>
<td>Fig. B</td>
<td>0°-0' Horizontal</td>
<td>Unbroken Horizontal Reflection</td>
<td>27°-25½' downwards</td>
<td>13°-42½' downwards</td>
<td>75°-55½'</td>
<td>10 days after beginning of Summer Northern Limit of E. &amp; W. reflexions lies E. &amp; W. along North Base Side of Pyramid</td>
<td>Reflections gradually shortening.</td>
<td>76°-17½°</td>
</tr>
<tr>
<td>Summer Solstice</td>
<td>19-20 June</td>
<td>Fig. C</td>
<td>Ancient 7°, 6' downwards</td>
<td>15 days before and 15 days after the Summer Solstice the South Reflexion makes an angle of 90° with Sun's Altitude.</td>
<td>Ancient 19°-42½' downwards</td>
<td>13°-42½' downwards</td>
<td>83°-51½'</td>
<td>Reflections slightly N. of E. and W. respectively</td>
<td>Reflections gradually shortening.</td>
<td>85° for Ancient Egyptian Time</td>
</tr>
<tr>
<td>End of Summer 1/2 way Summer Solstice and Autumnal Equinox</td>
<td>8 Aug.</td>
<td>Fig. B</td>
<td>Modern 7°, 6' downwards</td>
<td>Beam broken by striking ground.</td>
<td>Modern 20°-19½' downwards</td>
<td>13°-42½' downwards</td>
<td>83°-15½'</td>
<td>Modern Reflexions gradually lengthening</td>
<td>反射线逐渐延长向北。</td>
<td>83°-23½° for Modern Times</td>
</tr>
<tr>
<td>Autumnal Equinox</td>
<td>22-23 Sept.</td>
<td>Fig. A</td>
<td>16°-17½' upwards</td>
<td>Reflection gradually rising</td>
<td>43°-42½' downwards</td>
<td>13°-42½' downwards</td>
<td>59°-16°- 42°</td>
<td>Southern Limit of E. and W. reflections point due N. &amp; S. respectively</td>
<td>Reflections gradually lengthening.</td>
<td>60°</td>
</tr>
</tbody>
</table>

**General Note:**

No Shadow on or from the Pyramid at Noon during the Summer half of the Year.

Between Vernal equinox and beginning of Summer again between end of Summer and Autumnal Equinox the E. and W. Reflexions in rotating towards the South and the North Reflexion in lengthening towards the North pass with their respective Ridge Lines through the same plane.