

Table VI

Pyramid Noon Reflexions During the Summer Half of the Year

Astronomical points in the Solar Year	Modern Calendar Dates	Diagram Reference (Plates # 5-8 inclusive)	Inclination with Horizontal	General characteristics and variations between dates	Inclination with Horizontal	General characteristics and variations between dates	Constant Inclination of Projection of E. & W. Reflexions on E. and W. Vertical Plane.	Azimuth of Apex Ridge of Reflexion E. of N. & W. of N.	General characteristics and variations between dates	Sun's observed altitude at Pyramid.
<i>Vernal Equinox</i>	20-21 Mar.	Fig. A	16°-17½' upwards	Reflexion gradually lowering Long unbroken beam reflected upwards	43°-42½' downwards	Reflexion gradually lengthening	13°-42½' downwards	59°-16'- 42"	<i>Southern Limit of E. & W. reflexions point due N.E. & N.W. respectively</i>	60°
<i>Beginning of Summer</i> 1/2 way Vernal Equinox Summer Solstice.	6-May	Fig. B	0°-0' Horizontal	<i>Unbroken Horizontal Reflexion</i> Reflexion gradually lowering Length of reflected beam gradually shortening	27°-25' downwards		13°-42½' downwards	75°-57'	Reflections gradually shortening. <i>10 days after beginning of Summer Northern Limit of E. & W. reflexionns lies E. & W. along North BaseSide of Pyramid.</i>	76°-17½'
<i>Summer Solstice</i>	19-20 June	Fig. C	Ancient 7°- 42' downwards	<i>15 days before and 15 days after the Summer Solstice the South Reflexion makes an Angle of 90° with Sun's Altitude.</i>	Ancient 19°- 42½' downwards		13°-42½' downwards	Ancient 83°-51½'	Reflections gradually shortening. <i>Reflexions slightly N. of E. and W. respectively</i>	84° for Ancient Egyptian Time
			Modern 7°- 6' downwards	7th May to 7th Aug. inclusively Beam broken by striking ground.	Modern 20°- 19' downwards	Reflexion gradually shortening	83°-15'	Reflections gradually lengthening	83°-23½' for Modern Times	
<i>End of Summer</i> 1/2 way Summer Solstice and Autumnal Equinox	8 Aug.	Fig. B	0°-0' Horizontal	Relexion gradually rising Length of reflected beam gradually lengthening <i>Unbroken Horizontal Reflexion</i>	27°-25' downwards		13°-42½' downwards	75°-57'	<i>10 days before end of Summer Northern Limit of E. & W. reflexions lies E. & W. of North Base Side of Pyramid.</i>	76°-17½'
<i>Autumnal Equinox</i>	22-23 Sept.	Fig. A	16°-17½' upwards	Reflexion gradually rising Long unbroken beam reflected upwards	43°-42½' downwards		13°-42½' downwards	59°-16'- 42"	<i>Southern Limit of E. and W. reflexions point due N. E. & N. W. respectively</i>	60°

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 and 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.