

difference in the going of the clock, even though every part of the clock remains the same.

LXXXVIII. *An Account of the Eclipse of the Moon, on the 8th of May 1762, in the Morning, observed by Mr. Short, in Surrey-Street, London.*

Read May 13, 1762. **D**iameter of the Moon, (in the direction of an angle of  $45^\circ$  with the horizon, the lower end of the diameter being to the west of the center of the Moon) measured with an achromic object-glass micrometer of 40 feet focus, and found to be =  $31' 31''.7$ ,

	h	'	''
On 7th May, at - - - - -	11	35	0
$\alpha$ Libræ passed the meridian, at - -	11	38	25
Preceding limb of the Moon on the } meridian, at - - - - -	11	49	58
Subsequent ditto, at - - - - -	11	52	$13\frac{1}{2}$
Penumbra, sensible, at - - - - -	13	40	0
Diameter of the Moon measured again, } and found to be = $31' 26''$ , at - -	13	50	0
Beginning of the eclipse, through an } achromic opera-glass, at - - -	14	12	30
Shadow very dense upon the Moon's } limb, at - - - - -	14	14	0
So that I conclude the eclipse began at	14	13	0

The times above are apparent times.