

VI. *Observationes Astronomicae habitae Ulyssipone, Anno 1726. à Rev. P. Joh. Baptista Carbone, Soc. Jes. Communicante Isaaco Sequeyra Samuda, M. D. R. S. S. & Coll. Med. Lond. Lic.*

Immerfiones & Emerfiones Primi Jovis Satellitis à Maii 23°. ad finem Anni 1726.

| | | | h | l | u |
|--------|-----|--|---|----|-------|
| Maii | 23. | Debilitatio lucis | - | 15 | 24 0 |
| | | Totalis Immerfio | - | 15 | 24 40 |
| Jul. | 1. | Debilitatio lucis | - | 13 | 46 29 |
| | | Immerfio totalis | - | 13 | 47 47 |
| | 8. | Debilitatio lucis | - | 15 | 40 30 |
| | | Immerfio totalis | - | 15 | 41 40 |
| | 17. | Debilitatio lucis | - | 12 | 0 45 |
| | | Totalis Immerfio | - | 12 | 1 52 |
| Aug. | 9. | Immerfio totalis | - | 12 | 13 30 |
| | 16. | Attenuatio luminis | - | 14 | 7 33 |
| | | Totalis Obscuratio | - | 14 | 8 46 |
| | 23. | Attenuatio lucis | - | 16 | 3 10 |
| | | Immerfio totalis | - | 16 | 4 23 |
| | 25. | Debilitatio luminis | - | 10 | 31 40 |
| | | Totalis Obscuratio | - | 10 | 32 57 |
| Sept. | 1. | Attenuatio lucis | - | 12 | 27 57 |
| | | Totalis Immerfio | - | 12 | 29 29 |
| | 10. | Debilitatio lucis | - | 8 | 53 47 |
| | | Totalis Obscuratio | - | 8 | 54 54 |
| | 15. | Immerfio in Umbram | - | 16 | 21 32 |
| | 17. | Attenuatio luminis | - | 10 | 50 12 |
| | | Totalis Immerfio | - | 10 | 51 39 |
| | 24. | Debilitatio lucis | - | 12 | 46 38 |
| | | Totalis Obscuratio. <i>Dubia.</i> | - | 12 | 47 45 |
| Octob. | 10. | Immerfio totalis. <i>Nonnikil dubia.</i> | - | 11 | 8 34 |

Emer-

| | | <i>Emerfiones.</i> | H. | ' | " |
|------------|---------------------------------|--------------------|----|----|----|
| Octob. 26. | Initium Emerfionis | . | 11 | 39 | 41 |
| | Integra luminis reftauratio | | 11 | 41 | 2 |
| Octob. 28. | Emerfio ab Umbra | - | 6 | 8 | 52 |
| | Emerfio à Penumb | - | 6 | 10 | 4 |
| Nov. 4. | Initium Emerfionis | - | 8 | 6 | 3 |
| | Totalis Emerfio | - | 8 | 7 | 14 |
| 11. | Initium Emerfionis | - | 9 | 57 | 39 |
| | Integra lucis reftauratio | - | 9 | 58 | 49 |
| 20. | Emerfio ab Umbra | - | 0 | 20 | 19 |
| | Emerfio à Penumbra | | 6 | 21 | 29 |
| Dec. 4. | Emerfio ab Umbra. <i>Dubia.</i> | | 10 | 5 | 18 |
| | Totalis reftauratio luminis | | 10 | 6 | 34 |

Continuatio obfervationum ad elevationem Poli Ulyffipone inquirendam.

Die 3. Maii.

| | | Gr. | ' | " |
|--|---|-----|----|----|
| Altitudo Meridiana limbi super. Solis | } <i>Quadrante Murali quinque pedum</i> | 67 | 5 | 25 |
| Correctio additiva Quadrantis | | - | 10 | 15 |
| Altitudo apparens ejuſdem limbi | - | 67 | 15 | 40 |
| Refractio | - | | | 23 |
| Altitudo correctâ, & vera limbi ſuperioris | } | 67 | 14 | 17 |
| Semidiameter Solis apparens | | - | 15 | 56 |
| Altitudo vera centri | - | 66 | 58 | 21 |
| Declinatio Borealis | - | 15 | 40 | 36 |
| Altitudo Æquatoris | - | 51 | 17 | 45 |
| Elevatio Poli. | - | 38 | 42 | 15 |

| | Gr. | ' | " |
|--|-----|----|----|
| <i>Die 22. Junii.</i> | | | |
| Altitudo Meridiana limbi super. Solis; } <i>Quadrante astronomico trium pedum</i> | 75 | 5 | 20 |
| Correctio Quadrantis subtrahenda | | 2 | 37 |
| Altitudo apparens prædicti limbi - | 75 | 2 | 43 |
| Refractio - - - - - | | | 15 |
| Altitudo vera limbi superioris - | 75 | 2 | 28 |
| Semidiameter Solis apparens - | | 15 | 53 |
| Altitudo vera centri Solis - - | 74 | 46 | 35 |
| Ejusdem Declinatio Bor. - - - | 23 | 28 | 50 |
| Altitudo Æquatoris - - - - | 51 | 17 | 45 |
| Elevatio Poli | 38 | 42 | 15 |

Die 11. Augusti.

| | | | |
|---|----|----|----|
| Altitudo Meridiana Lucidæ Lyræ, <i>Quadrante Murali quinque pedum</i> - } | 89 | 40 | 15 |
| Correctio Quadrantis, addit. - | | 10 | 15 |
| Altitudo vera fideris - - - - | 89 | 50 | 30 |
| Declinatio Borealis, ex tabulis Cl. V. } Joannis Flamsteadi - - - - } | 38 | 32 | 55 |
| Altitudo Æquatoris - - - - | 51 | 17 | 35 |
| Elevatio Poli - - - - - | 38 | 42 | 25 |

Die 14. Augusti.

| | | | |
|---|----|----|----|
| Altitudo Meridiana limbi sup. Solis, } <i>eodem Quadrante Murali -</i> | 65 | 49 | 13 |
| Correctio Quadr. add. - - - - | | 10 | 15 |
| Altitudo apparens ejusdem limbi - | 65 | 59 | 28 |
| Refractio - - - - - | | | 24 |
| Altitudo vera limbi superioris - | 65 | 59 | 4 |
| Semidiameter apparens Solis - | | 15 | 53 |
| Altitudo vera centri - - - - | 65 | 43 | 11 |
| Declinatio Bor. - - - - - | 14 | 25 | 30 |
| Altitudo Æquatoris - - - - | 51 | 17 | 41 |
| Elevatio Poli - - - - - | 38 | 42 | 19 |

Die

Die 25. Septembris.

| | Gr. ' " |
|--|----------------|
| Altitudo Meridiana limbi sup. Solis, } <i>Quadrante astronomico trium pedum</i> } | 50 47 11 |
| Correctio Quadrantis subtr. - - | 2 37 |
| Altitudo apparens ejusdem limbi - | 50 44 34 |
| Refractio - - - | 44 |
| Altitudo apparens correcta - - | 50 43 50 |
| Parallaxis - - - | 2 |
| Altitudo vera limbi superioris - | 50 43 52 |
| Semidiameter Solis apparens - | 16 4 |
| Altitudo vera centri Solis - - | 50 27 48 |
| Ejusdem Declinatio Australis - | 50 12 |
| Altitudo Æquatoris - - - | 51 18 0 |
| Elevatio Poli - - - | <u>38 42 0</u> |

Die 27. Octobris.

| | |
|---|-----------------|
| Altitudo Meridiana limbi sup. Solis, } <i>Sextante</i> - - - } | 38 40 15 |
| Correctio Instrumenti additiva - | 6 5 |
| Altitudo apparens ejusdem limbi - | 38 46 20 |
| Refractio - - - | 1 6 |
| Altitudo limbi superioris corr. - | 38 45 14 |
| Parallaxis - - - | 3 |
| Altitudo vera ejusdem limbi - | 38 45 17 |
| Semidiameter solis apparens - | 16 12 |
| Altitudo vera centri - - - | 38 29 5 |
| Ejusdem Declinatio Australis - | 12 48 34 |
| Altitudo Æquatoris - - - | 51 17 39 |
| Elevatio Poli - - - | <u>38 42 21</u> |
| | <i>Eodem</i> |

Eodem die 27. Octobris.

| | | | |
|--|-------|----|-------|
| Altitudo Meridiana <i>Fomahantis Aquarii</i> | } Gr. | ' | " |
| seu Lucidæ in ore Piscis Austrini, eodem | | | |
| <i>Sextante</i> | 20 | 9 | 55 |
| Correctio Instrumenti additiva | - | - | 6 5 |
| Altitudo apparens | - | 20 | 16 0 |
| Refractio | - | - | 2 26 |
| Altitudo vera sideris | - | 20 | 13 34 |
| Declinatio Australis ex <i>De La Hire</i> | - | 31 | 3 59 |
| Altitudo Æquatoris | - | 51 | 17 33 |
| Elevatio Poli | - | 38 | 42 17 |

Ex his, aliisque Observationibus inferre hætenus licet, *Olyssiponensem Latitudinem* in Observatorio Regii Palatii, non excedere grad. $38^{\circ} 43'$, nec minorem esse grad. $38^{\circ} 42'$. Cæterum, ad minuta secunda quod attinet, nihil audeo certi definire; neque enim hujusmodi Observationes ad id præstandum satis esse arbitror; quæ scilicet, vel Instrumentorum defectu, utcunque exiguo, vel refractionum inconstantiâ ab aëris inæqualitate, vel Astronomorum dissidio in Declinationibus siderum statuendis, vix aliquando contingat, ut omni prorsus careant errore; nec si aliquando careant, id ullo poterit indicio deprehendi. Ex prædictis tamen Observationibus, non imprudenter statui potest *latitudo Observatorii Regii in aula* $38^{\circ} 42' 20''$, *nostri verò Collegii D. Antonii Magni*, $38^{\circ} 42' 30''$. Quamquam hæc ipsa secunda prudens neglexi in nonnullis supputationibus, in quibus Elevatione Poli fuit utendum; tum quòd nullum neglecta, aut nullius momenti errorem inducere possent; tum etiam quòd aliarum Observationum indicio

cio pauciora, aut penè nulla ea esse viderentur. Mox tamen novis, variisque Observationibus instituendis, ac præsertim magni Gnomonis ope, Augustissimi nostri Regis jussu erigendi, fore spero, ut secundorum numerum congruentius assequamur.

Quas hinc observavi Solis, Lunæque Eclipses, observavit R. P. *Dominicus Capassus, Conimbricæ*, quò, à mense Junio anni proximè superioris 1726. balnearum causâ secesserat; ibique nonnullas etiam instituit Observationes circa Poli Elevationem; ac circa Intimi Satellitis Immerfiones, atque Emerfiones; quas omnes seorsim exhibebit, unà cum reliquis ab ipso mox habendis in variis hujusce Regni locis ad Boream fitis. Deinceps in aliis etiam opportunius instituentur.

VII. *Some Observations made in the Dissection of three Subjects; by Mr. Ranby, F. R. S.*

THE *First*, a Man aged 70 Years, who died of a Suppression of Urine, occasion'd by a Stone stopping in the *Urethra*, just within the *Glans*, of the Bigness of a Horse-Bean. This Appearance, with the Symptoms that had attended this miserable Man, gave me Reason to expect something remarkable in the urinary Passages. The *Ureters* and *Pelvis* were very much distended; which is common where great Numbers of Stones have descended down them, from the Kidneys to the Bladder. The Bladder contained about *sixty Stones*, the largest of which was about the Size of a Walnut, the others smaller; and just within the Neck, was a *hard Tumour*, as big as a Nutmeg, which almost