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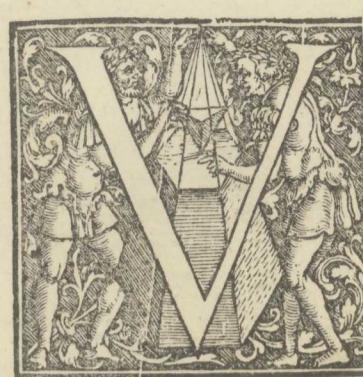
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# ASTRONOMICVM

## FIGVRA ECLEIPSIS PLANA coronationis Caroli.



Coronatio  
GAROLI  
Bononiæ  
facta,

Ideo itaq; michi iam fatisuperq; vniuersas eclipticum rationes declarasse, adeo, vt nullam non quilibet perse qua licunq; tandem sit forma statim agno scere, in planog; depingere ob oculos queat. Verum adhuc amplius nequid summae fidei deesse quis dicere possit, coronidem, vt dicitur, siue appendice adhuc adiicere aliquam volūmus. Annūm coronationis (qua Bononiæ Italie vrbe, dubium, an potentia, an om nigena doctrinarum copia præcellens tioræ, celebrata est) nunq; non memorabile C A R O L I Imperatoris Rhomanorum Quinti, annum scz 1530. Hunc per instrumentum lustranti mihi, apparebat 6 Octobris die defectus Lunæ fieri posse. Relegint igitur oppositionis momentum. Hora 12 m 31 meridiano Ingolstadiensi quadrans, Bononiensi autem, additis 10 m, (quoniam orientalior tot minutis Bononia est Ingolstadio) offerebatur. Tempore oppositionis veræ diebus non æquatis oblate, motus insuper eclipti habenda necessarii quæsiti sunt, quales fuerunt. Verus locus 12 22 g 44 m 7v. Verus locus 12 20 g 4 m 7v. Argumentum Lunæ verum 5 4 g 15 m 19. Argumentum 0 5 3 g 27 m 18. Planum ad hæc, seu Papiroceum, seu ligneum malis, præponens, orthogonales duas in centro A coēentes, ergo Argumentum latitudinis principiò vidēs, 5 6 & graduum aliquot, iccirco à puncto T, vt dictum est, linea recta M A T vocatā duco. In instrumento semidiametrali, Solis Argumentum, quod est, 5 3 g 27 m 18 cum filo signanti circulus

## CAESAREVM

circulus vmbrae varietatæ 40 z ostendit reseruanda. Filum deinceps Argumento Lunæ vero, Signis 4 g 15 m 19 supertēsum intercipit circulum areæ nigrantis, internum in punto M, externum in O, Accipienti iam distantiam M à centro instrumenti, vera quantitas semidiametri Lunaris exhibetur. Interuallum vero inter M & O semidiametros vmbrae, quo tempore Luna transit, dicetur, excepto quod 40 z prius habita, subtrahere oporteat ab O versus N eunti, id quod evenit in puncto L. Intercapo do illa circini iam in plano circulum faciat, qui vmbrae quantitas cum sit, literis O S R Q inscribatur. Post hæc Argumenta latitudinalis distantia sumpto è dispositorio dicto, in plano quoq; ab A centro incipienti extensa, cum litera M notetur. Corporis Lunæ, semidiametrum quæ refert, dimēsio resumpta, circulum, A P ex M puncto disignet, illa enim circulus veram Lunæ quantitatem, Lunæ inquam sub vmbra contentæ, verè ostendit. Eandem igitur semidiametrum Lunæ ab R versus T, fini L literam apponens, extende. Ex centro vero A per idem L punctum circulus fiat. Perpendicularis itidem è puncto M erigatur, ita, vt circulus ille iam ductus ex A centro perpendiculari in punctis R & N contrectet. Ex eisdem punctis R & N circuli Lunæ quatiatem repræsentantes, describantur, vnde manifestum fit, quando Luna ab N ad M, & ab M usq; in K promoueat, & remotius quiddam in fine quam in principio ab ecliptica distet. Hic vsu cum veniat, vmbram latissime corpus Lunæ obtegere, dictum vero prius sit, 12 ecliptices saltem esse puncta, idem repetere in præsentia cogimur. Res autem ita se habet. Quoties videtur vmbra 12 Lunæ sectiones excedere, metienda est, quot punctis excessio fiat, proportione Lunaris dimensio seruata. Cum autem præsens figura vmbram & partibus superare Lunam doceat, 18 punctorum defectus fieri censendus est. Hoc autem sic intelligitur, non q; Luna tot punctis constet, sed si tot constaret, eam obnigrati ab vmbra posse, quæ res in præsenti figura ob oculos ponitur.

## FIGVRA EXEMPLARIS SEQVITVR

