

III. *Observatio Cometæ, Anno 1748, cum aliis aliquot Observationibus astronomicis a Rev. P. P. Antonio Gaubil e Soc. Jesu ad eundem transmissa; in Residentia PP. Gallor. Soc. Jesu Pekini.*

DIE 27 April. mane 3^h 30' vidimus cometam in medio stellarum Pegasi β λ η .

2 Maii comparavimus etiam cometam cum stellis de quibus agit P. Hallerstein in Flamstedio 1690. Stella in γ 11° 26' 45". Locus cometæ idem ferme concluditur seu ex nostra seu P. Hallerstein observatione.

3 Maii 3^h mane α et σ Cassiopeæ in linea recta cum cometa. σ est in medio sat præcisè.

4 Maii mane 4^h $\frac{1}{4}$ cometa occidentalior 3^a stella in Cassiop. apud Flamstedium 5' 35", cometa australior 1° 1'.

5 Maii nihil exacte observari potuit.

6 Maii mane 2^h 51' linea per α et β Cassiopeæ paululum ad austrum cometæ, distantia β a stella α = distantia β a cometa.

10 Maii vespere, 9^h 14' minima altit. cometæ vera 20° 48' 58" cometa occidentalior orientali stella (componitur ex duabus) 27' 12"; in Flamstedio stella in Tauro 25° et aliquot min.

15 Maii comparavimus etiam cometam cum stellis P. Hallerstein. Cometæ altit. merid. vera p. m. 25° 51' 30" 10^h 12'. Cometa australior stella 8'; altit. mer. stellæ boreal. 25° 59' 30". Non bene observavimus differentiam asc. rectæ.

16 Maii

16 Mai. p. m. vera altit. merid. cometæ $26^{\circ} 16' 32''$; in reticulo $10^{\text{h}} 22'$: cometa orientalis stella P. Hallerstein $1^{\circ} 41'$.

17 Maii p. m. $10^{\text{h}} 40'$ vera altid. minima cometæ $26^{\circ} 46' 34''$.

γ Cephei ad horarium $7^{\text{h}} 54' 58''$.

Cometa ad horar. $10^{\text{h}} 41' 43''$.

Via cometæ videtur borealis via stellæ $38' 20''$.

In schedulis non reperio sat multas observationes factas usque ad 7 Jun. Sed ex comparatione cometæ cum Heveliana stella, de qua infra, et aliis non ita bene cognitis mihi, videor posse concludere, a die 2^{d} Jun. ad 7mum cometæ asc. rectam crevisse 6 grad. et minut. aliquor. declin. vero decrevisse $55'$.

7 Jun. mane $1^{\text{h}} 15'$ stella ad horarium $35' 30''$ post cometam. Stella borealis $1^{\circ} 30'$ sat. dubie obser. *

9 Jun. $0^{\text{h}} 45'$ cometa ad horarium.

$0^{\text{h}} 49' 10''$ stella ad horarium *A*. §

Cometa borealis $1^{\circ} 30'$.

Usque ad 12 Jun. nihil sat exacti fuit observatum.

13 Jun. p. m. $9^{\text{h}} 30'$ distantia cometæ a stella *I* || $10' 20''$.

Cometa borealis $4' 25''$.

Cometa est orientalis.

17 Jun. p. m. $0^{\text{h}} 26' 30''$ *A* ad horar. }
 $53 35$ *R* ad horar. }
 $55 15$ cometa ad hor. } †

Cometa et *R* in eadem declin.

* Hevelii stella ad ann. 1660. asc. recta $20^{\circ} 24' 39''$. Dist. a polo $12^{\circ} 42' 17''$.

§ Stella *A* in Fig. *D* de la Caille in Act. Paris. 1740.

|| Stella *I* in Fig. *D* de la Caille. Act. Paris. 1742.

† *A. R.* stellarum notæ in Fig. *D* de la Caille, Act. Acad. Paris. 1742.

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18 Jun. p. m. $9^h 52' 14''$ *A* ad horar.
 10 19 21 *R* ad horar.
 24 57 cometa ad horar.

Cometa australior *A* $16' 30''$
 australior *R* 10 20.

Diebus sequentibus tubo 7 ped. et amplius, cujus apertura = $1^\circ 0' 24''$, observatus est cometa cum stella *D* in Fig. *B. La Caille* Act. Acad. Paris. 1742. Nul- lum fere successum habuere multæ ex illis observa- tionibus: refero tantum duas, quæ non mihi videntur omnino exactæ.

27 Jun. p. m. stella *D* intrat in tubum $9^h 23' 10''$
 exit ex tubo 9 36 0
 cometa intrat 9 40 28
 exit 9 52 16

Cometa concluditur borealior $19' 40''$.

29 Jun. *D* intrat $11^h 1' 40''$ p. m.
 exit 11 14 51
 Cometa intrat 11 23 54
 exit 11 36 0

Cometa concludit borealior $12'$ aut forte $13'$.

Non facile videbatur cometa 29 Jun. fuere nubes diebus 30 Jun. 1 et 2 Julii; nec deinde quæsitus est cometa.

En, domine illustrissime, observationes aliquot cometæ.

Pekini, 8 Nov. 1748.

Ant. Gaubil, S. J.

Obj.

Obs. conjunctionis Martis cum Venere.

1748. t. v. 15 Mart. p. m. 8^h 10' limbus occident. ♂
difiat a limbo occidentali ♀ 1' 29''.

Obs. aliquot Eclips. Satell. Jovis.

13 Octob. p. m. tempore vero 9^h 40' 30'' ima Em.
3ⁱ fatell. 4. tub. 15 ped.

15 Octob. p. m. tempore vero 8^h 37' 26'' Emerf. 1ⁱ
fatell. eod. tubo.

20 Octob. p. m. tempore vero 10^h 7' 56'' Imm. total.
3ⁱ fatell. eod. tub.

21 Octob. p. m. tempore vero 5^h 52' 12'' Emerf. 2^{di}
fatell. eod. tub. dubiè.

28 Octob. p. m. tempore vero 8^h 29' 20'' ima Em.
2^{di} fatell. eod. tubo.

7 Nov. p. m. tempore vero 8^h 52' 59'' ima Emerf.
1ⁱ fatell. eod. tubo.

IV. *An Account of an Aurora Australis,*
seen Jan. 23. 1749-50, at Chelsea, by
John Martyn, F. R. S. Prof. Bot. Can-
tab. communicated by Martin Folkes, Esq;
Præf. Reg. Soc.

Read Jan. 25. 1749-50. **J**AN. 23. 17⁴⁹/₅₀ at about half an Hour
after five in the Evening, casting my
Eye accidentally toward a Window which looked
to the S. S. W. I thought I saw a reddish Light about
the Planet *Venus*, which then shone exceedingly
bright. Being suspicious of some Fire in the Neigh-
bourhood, I went immediately to a Window on the