

XV.

De

Altitudine Speculae astronomicae regiae,
 quae prope Monachium est, supra mare internum, quam
 mille quingentis Observationibus a se habitis atque ad
 calculos revocatis mensus est

C A R O L U S F E L I X S E Y F F E R.

Commentatio lecta in Consessu academico Idibus Augusti clo DCCC VIII.

1807.

Observationes.

Mensis.	Dies.	Hora.	Altitudo observata.	Mensis.	Dies.	Hora.	Altitudo observata.
Janua- rius.	4 1.	Vesp. 1.	323,"" 0.	Janua- rius.	♀ 9.	matut. 7.	319,"" 3.
	♀ 2.		323, 6.		☿ 10.		319, .3.
	☿ 3.	Matut. 8.	321, 8.		⊕ 11.	vesp. 1.	320, 0.
		v.	320, 2.			m. 7.	320, 7.
	⊕ 4.	m.	318, 6.		⊗ 12.	—	319, 7.
			319, 0.			v. 2.	319, 0.
	⊗ 5.	—	320, 4.			—	318, 4.
		v.	321, 3.				314, 0.
	♂ 6.	m.	322, 5.		♂ 13.		314, 9.
	♀ 7.	merid. 12.	321, 7.				314, 4.
		v.	321, 1.				313, 5.
	4 8.	m.	7½ 319, 8.		♀ 14.	v. 1.	315, 6.
			320, 3.				316, 8.

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Observationes.

Mensis.	Dies.	Hora.	Altitudo observata.	Mensis.	Dies.	Hora.	Altitudo observata.
Janua- rius.	4 15.	Matut. 10.	318," 6.	Janua- rius.	4 29.	Matut.	8. 320," 9.
		Mrd.	12. 319,		—	11. 321,	0.
			319,		Vesp.	4. 320,	2.
	♀ 16.	m.	7 $\frac{1}{2}$. 313,			6. 320,	0.
		—	8 $\frac{1}{2}$. 313,		♀ 30.	m.	8. 317,
	☿ 17.	m.	11. 318,			mrd.	12. 319,
		v.	10. 316,		☿ 31.	—	12. 316,
	⊕ 18.	mrd.	12. 314,		⊕ 1.	m.	7. 312,
	⊗ 19.	m.	8. 314,			mrd.	12. 313,
		v.	9. 314,		⊗ 2.	m.	8. 315,
	♂ 20.	m.	9 $\frac{1}{2}$. 310,			mrd.	12. 315,
	☽ 21.	—	9. 310,		♂ 3.	m.	7. 307,
		—	10. 310,			v.	3. 308,
Februa- rius.		mrd.	12. 310,		♀ 4.	m.	9. 312,
			3.			v.	4. 311,
		v.	10. 308,		♀ 5.	m.	9. 311,
	4 22.	mrd.	12. 312,			v.	7.
	♀ 23.	m.	9. 312,		♀ 6.	m.	9. 311,
		mrd.	12. 312,		☿ 7.	—	9. 311,
			5.			v.	2. 312,
	☿ 24.	m.	9. 314,		⊕ 8.	m.	9. 317,
		mrd.	12. 317,			v.	1. 317,
			2.			—	11. 316,
		v.	4. 318,		⊗ 9.	m.	9. 315,
	⊕ 25.	m.	9 $\frac{1}{2}$. 320,			v.	4. 315,
		v.	11. 321,			m. n.	12. 314,
March.	⊗ 26.	m.	9 $\frac{1}{2}$. 322,			—	0.
		v.	4. 321,		♂ 10.	m.	9. 313,
	♂ 27.	m.	8. 321,			v.	1. 314,
		mrd.	12. 321,			—	4. 314,
		media				—	11. 317,
		nocte	12. 320,		♀ 11.	m.	8 $\frac{1}{2}$. 317,
		5.				v.	1. 316,
	☽ 28.	m.	8. 321,			m. n.	12. 318,
		mrd.	12. 321,		4 12.	m.	10. 320,
			8.			v.	4. 320,
		v.	4 $\frac{1}{2}$. 321,			—	8.
	—	11. 321,	8.			—	10 $\frac{1}{2}$. 322,

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Observationes.

Mensis.	Dies.	Hora.	Altitudo observata.	Mensis.	Dies.	Hora.	Altitudo observata.	
Februa-	♀ 13.	Matut. 8. 322, "	7.	Februa-	♀ 26.	Matut. 2. 316, "	0.	
rius.		Vesp. 11. 321,	0.	rius.		— 10. 315,	9.	
☿ 14.	m.	7. 321,	0.			— 11. 315,	9.	
	v.	4. 322,	4.			Vesp. 11. 315,	9.	
		— 11. 322,	5.	♀ 27.	m.	8. 316,	3.	
⊙ 15.	m.	8. 322,	1.			v.	8. 317,	3.
	v.	6. 321,	0.	☿ 28.	m.	8. 319,	2.	
	m. n.	12. 320,	5.			mrd. 12. 319,	8.	
☽ 16.	m.	7. 320,	3.			v.	11. 321,	2.
		— 10. 320,	5.					
♂ 17.	—	7. 317,	6.	Martius.	⊙ 1.	— 5. 322,	5.	
		— 10. 317,	6.		☽ 2.	m.	8. 320,	—
♀ 18.	—	9. 312,	7.		♂ 3.	v.	6. 321,	6.
	v.	— 5. 310,	6.			m.	8. 318,	0.
		— 10. 310,	8.			—	11. 319,	6.
☿ 19.	m.	7. 312,	2.	♀ 4.	mrd. 12. 315,	8.		
		mrd. 12. 313,	0.		v.	10. 313,	8.	
	v.	10. 315,	75.			—	312,	2.
♀ 20.	m.	9. 319,	3.	♀ 5.		—		
		mrd. 12. 319,	8.	♀ 6.	m.	8. 313,	9.	
	v.	4. 319,	8.		v.	1. 314,	5.	
☿ 21.	m.	11. 317,	6.			—	9. 314,	6.
	v.	1. 316,	9.	☿ 7.	m.	7. 313,	9.	
		— 9. 317,	4.		v.	5. 314,	6.	
⊙ 22.	v.	1. 318,	5.			—	10. 315,	75.
		— 7. 317,	45.	⊙ 8.	m.	8. 315,	1.	
		— 9. 316,	9.				312,	6.
☽ 23.	m.	10. 315,	7.	☽ 9.	m.	9. 311,	4.	
	v.	11. 316,	8.		v.	11. 313,	3.	
♂ 24.	m.	9½. 317,	7.	♂ 10.	—	8. 314,	3.	
	v.	11. 318,	4.	♀ 11.	—	8. 317,	4.	
♀ 25.		318,	7.	♀ 12.	m.	8. 318,	2.	
		mrd. 12. 318,	4.	♀ 13.	mrd. 12. 317,	4.		
	v.	1. 317,	9.		v.	7. 317,	1.	
		— 4. 317,	2.	☿ 14.	m.	8. 317,	4.	
		— 10. 316,	8.	⊙ 15.	—	8. 314,	8.	

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Observationes.

Mensis.	Dies.	Hora.	Altitudo observata.	Mensis.	Dies.	Hora.	Altitudo observata.
Martius.	♀ 16.	Matut. 8. 315," 5.		Aprilis.	♀ 1.	Matut. 9. 313," 5.	
	m. 11. 315, 5.				Vesp. 1. 313, 3.		
	Vesp. 11. 314, 4.						
♂ 17.	m. 6. 313, 3.			4 2.	m. 9. 313, 2.		
	— 10. 312, 9.				v. 10. 314, 8.		
	v. 3. 312, 4.			♂ 5.	— 3. 320, 2.		
♀ 18.	m. 6. 314, 5.			♂ 6.	— 8. 319, 4.		
	— 10. 314, 8.			♂ 7.	mrd. 12. 319, 1.		
	mrd. 12. 315, 65.			♀ 8.	m. 8. 318, 6.		
4 19.	m. 11. 316, 9.				— 16. 319, 8.		
	v. 11. 318, 0.				v. 2. 319, 6.		
♀ 20.	m. 9. 319, 3.			4 9.	m. 10. 321, 2.		
	v. 11. 319, 9.				v. 1. 320, 7.		
☿ 21.	m. 9. 319, 9.				— 9. 320, 2.		
○ 22.	— 9. 321, 4.			♀ 10.	m. 7. 319, 5.		
	v. 10. 321, 9.				v. 2. 318, 6.		
♀ 23.	m. 6. 321, 8.				— 5½. 318, 0.		
	v. 6. 322, 0.				— 8. 318, 0.		
♂ 24.	m. 6. 321, 5.			☿ 11.	m. 6. 317, 5.		
♀ 25.	— 8. 319, 4.				v. 1. 317, 45.		
	— 10. 319, 6.				— 6. 316, 7.		
	v. 10. 318, 8.			○ 12.	m. 8. 315, 7.		
4 26.	m. 8. 318, 0.				— 10. 315, 5.		
♀ 27.	— 8. 316, 5.				mrd. 12. 315, 1.		
☿ 28.	— 9. 313, 75.				v. 9. 314, 6.		
	v. 9. 314, 1.			○ 13.	m. 8. 314, 1.		
○ 29.	m. 8. 312, 8.				— 11. 314, 0.		
	v. 1. 312, 1.				v. 2. 313, 4.		
	— 3. 312, 0.				— 5½. 312, 7.		
♀ 30.	m. 10. 313, 1.			♂ 14.	m. 8. 311, 5.		
	v. 5. 313, 1.				v. 2. 312, 4.		
	— 11. 313, 4.				— 9. 312, 4.		
♂ 31.	m. 10. 314, 1.			♀ 15.	m. 9. 310, 5.		
					v. 4. 308, 4.		
					— 10. 307, 3.		

Observations.

Mensis.	Dies.	Hora.	Altitudo obsrvata.	Mensis.	Dies.	Hora.	Altitudo observata.
Aprilis.	4. 16.	Matut. 5.	308,"" 3.	Aprilis.	⊕ 26.	Matut. 6.	320,"" 9.
♀ 17.	mrd. 12.	312,	I.	—	— 9 $\frac{1}{2}$.	321,	6.
Vesp. 10.	313,	0.	Vesp. 3.	321,	2.		
☿ 18.	m. 6.	313,	4.	⊕ 27.	mrd. 12.	321,	8.
—	8 $\frac{1}{2}$.	313,	9.	♂ 28.	v. 6.	321,	2.
v. 10.	315,	0.	—	— 11.	320,	48.	
⊕ 19.	m. 18.	315,	3.	v.	3.	319,	7.
v. 5.	315,	3.	—	— 11.	319,	9.	
—	10.	315,	6.	4. 29.	m. 7 $\frac{1}{2}$.	319,	9.
⊕ 20.	m. 7.	315,	8.	—	mrd. 12.	319,	9.
—	8.	315,	8.	v.	3.	319,	6.
v. 10 $\frac{1}{2}$.	316,	9.	—	—	5.	319,	5.
♂ 21.	m. 8.	317,	2.	4. 30.	m. 11.	319,	5.
v. 3.	317,	7.	—	—	—	—	—
—	10 $\frac{1}{2}$.	318,	05.	Majus.	♀ 1.	11.	318,
♀ 22.	m. 5.	317,	8.	—	—	—	7.
—	8.	318,	I.	☿ 2.	v. 10.	318,	2.
v. 3 $\frac{1}{2}$.	317,	8.	⊕ 3.	m. 7.	318,	0.	
—	9.	318,	2.	v.	6.	316,	0.
4. 23.	m. 11.	319,	35.	⊕ 4.	m. 6.	316,	55.
v. 3.	319,	0.	♂ 5.	—	7 $\frac{1}{2}$.	315,	3.
—	6.	318,	7.	—	mrd. 12.	314,	4.
—	11.	319,	0.	♀ 6.	m. 9.	311,	5.
♀ 24.	m. 7.	319,	1.	—	m.	10 $\frac{1}{2}$.	311,
—	11 $\frac{1}{2}$.	319,	4.	v.	6.	312,	3.
v. 3.	319,	2.	4. 7.	m.	9.	312,	4.
—	4 $\frac{1}{2}$.	319,	1.	m. n.	12.	315,	9.
—	11.	319,	4.	♀ 8.	v. 10.	317,	7.
☿ 25.	m. 7.	319,	2.	—	—	6.	317,
—	10.	319,	7.	☿ 9.	m.	—	0.
mrd. 12.	319,	6.	v.	4.	315,	8.	
v. 4.	319,	6.	—	—	10.	315,	1.
—	4 $\frac{1}{2}$.	319,	6.	⊕ 10.	m. 7 $\frac{1}{2}$.	313,	65.
—	6.	319,	9.	—	—	9 $\frac{1}{2}$.	313,
—	10 $\frac{1}{2}$.	320,	3.	mrd.	12.	314,	1.
—	—	—	—	⊕ 11.	m. 4 $\frac{3}{4}$.	315,	5.

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Observationes.

Mensis.	Dies.	Hora.	Altitudo observata.	Mensis.	Dies.	Hora.	Altitudo observata.
Majus.	♀ 11.	Vesp.	3. 317,""65.	Majus.	○ 24.	Vesp.	10. 319,""06.
		—	10½. 319, 25.		○ 25.	Matut.	6½. 318, 6.
♂ 12.	m.	6.	319, 3.		v.	9.	318, 0.
		—	10½. 319, 1.		♂ 26.	m.	10. 318, 7.
		Mrd.	12. 318, 45.		v.	5.	317, 6.
♀ 13.	v.	10½.	317, 2.		—	10.	319, 1.
4 14.	m.	6.	317, 5.	♀ 27.	m.	5.	319, 1.
		—	8½. 318, 0.	4 28.	—	7.	319, 2.
		mrd.	12. 318, 3.	♀ 29.	—	6.	315, 65.
		v.	10. 318, 5.		v.	7.	314, 3.
♀ 15.	m.	5½.	318, 7.		—	11.	314, 1.
ḥ 16.	m.	7.	319, 9.	ḥ 30.	—	4.	316, 45.
		mrd.	12. 320, 06.		—	7.	316, 45.
		v.	5½. 320, 24.		—	11.	318, 6.
		—	6. —	○ 31.	m.	8.	320, 0.
		—	10. 320, 9.		v.	7.	319, 7.
○ 17.	m.	6.	320, 5.		—	10½.	319, 45.
		m.	11. 320, 65.	Junius.	♀ 1.	m.	7. 319, 3.
		v.	10. 320, 35.		v.	1.	318, 85.
♀ 18.	m.	7.	320, 35.		—	3.	318, 45.
		v.	10½. 319, 8.		♂ 2.	m.	7. 318, 4.
♂ 19.	m.	5½.	319, 6.		—	10.	318, 5.
		—	8. 319, 8.		♂ 3.	m.	7. 318, 7.
		v.	9½. 320, 4.		—	5.	318, 9.
♀ 20.	m.	5½.	320, 2.		♂ 4.	mrd.	12. 319, 3.
		v.	10½. 319, 5.		v.	3½.	319, 15.
4 21.	m.	7½.	319, 25.	♀ 5.	m.	8.	—
		mrd.	12. 319, 25.	—	v.	8.	—
		v.	11. 318, 9.	♀ 6.	m.	8.	—
♀ 22.	m.	7.	319, 9.	—	v.	9½.	319, 35.
		—	9½. 320, 45.	—	—	3½.	319, 0.
		v.	10. 320, 7.	—	v.	5½.	319, 43.
ḥ 23.	m.	6½.	321, 0.	—	v.	7.	318, 90.
○ 24.	—	8½.	320, 5.				

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Observations:

Mensis.	Dies.	Hora.	Altitudo observata.	Mensis.	Dies.	Hora.	Altitudo observata.
Junius.	○ 7.	Matut. 8.	318,""05.	Junius.	♂ 16.	Vesp. 7.	317,""85.
		— 11 $\frac{1}{2}$.	317, 8.		♀ 17.	Matut. 7.	318, 15.
		Vesp. 5 $\frac{1}{2}$.	317, 25.			— 9 $\frac{1}{2}$.	318, 2.
		— 8.	317, 6.			— 11 $\frac{1}{2}$.	318, 3.
		— 10.	317, 4.			v. 6 $\frac{1}{2}$.	318, 2.
○ 8.	m.	27.	317, 35.		v. 7 $\frac{1}{2}$.	318, 53.	
		mrd.	12. 317, 35.		4 18.	— 8.	319, 0.
		v.	6. 317, 6.		v.	1.	318, 58.
		— 11.	317, 3.			— 11.	320, 2.
♂ 9.	m.	7.	316, 8.	♀ 19.	m.	6.	320, 7.
		v.	1.		v.	1.	320, 7.
		v.	5 $\frac{1}{2}$. 316, 65.			— 4.	320, 4.
♀ 10.	mrd.	12.	321, 35.			— 11.	320, 2.
		v.	11. 322, 3.		5 20.	m.	4 $\frac{1}{2}$. 319, 7.
4 11.	m.	8.	322, 3.			— 9.	319, 7.
		v.	1.		v.	1.	319, 35.
		— 3.	321, 75.		m.	6.	319, 2.
		— 11.	321, 2.			— 8.	319, 0.
♀ 12.	m.	7.	320, 65.	○ 21.	m.	10.	319, 1.
		v.	7. 320, 15.			mrd.	12. 321, 0.
		— 10 $\frac{1}{2}$.	320, 15.			v.	8. 321, 3.
5 13.	m.	6.	320, 1.	○ 22.	m.	7.	320, 55.
		— 9.	320, 55.			v.	5. 319, 4.
		mrd.	12. 320, 8.			— 5 $\frac{1}{2}$.	319, 3.
		v.	6. 321, 0.			— 10.	319, 05.
		— 8.	321, 0.			m.	8 $\frac{1}{2}$. 319, 15.
○ 14.	m.	8.	321, 1.	♂ 23.	m.	7.	317, 5.
		mrd.	12. 320, 74.			v.	8. 319, 0.
		m. n.	12. 320, 1.			— 10.	319, 15.
○ 15.	m.	7.	319, 85.	♀ 24.	m.	8 $\frac{1}{2}$.	319, 15.
		— 9 $\frac{1}{2}$.	319, 85.			mrd.	12. 319, 1.
		v.	3. 319, 70.			v.	10. 318, 9.
		— 5.	319, 10.	4 25.	m.	6.	318, 7.
		— 10.	318, 9.			— 10 $\frac{1}{2}$.	318, 6.
♂ 16.	mrd.	12.	318, 37.			mrd.	12. 318, 55.

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Observationes.

Mensis.	Dies.	Hora.	Altitudo observata.	Mensis.	Dies.	Hora.	Altitudo observata.
Junius.	25.	Vesp.	4. 318,"" 8.	Julius.	8.	Matut.	6. 320,"" 8.
	—	—	11. 318, 6.		—	—	10. 321, 0.
	26.	Matut.	7. 318, 1.		9.	Vesp.	7. 320, 9.
	mrd.	12. 317, 5.			9.	m.	6. 320, 8.
	v.	5 $\frac{1}{4}$. 317, 6.			v.	1. 320, 45.	
	—	10. 317, 65.			10.	m.	7. 319, 85.
	27.	m.	4. 317, 4.		—	—	11. 319, 55.
	—	—	11. 317, 9.		v.	7. 318, 8.	
	v.	6. 318, 8.			11.	m.	6. 318, 6.
	—	8. 318, 5.			12.	v.	10. 319, 3.
Cir.	28.	m.	9. 318, 1.		13.	m.	7. 319, 85.
	mrd.	12. 318, 2.			—	—	10. 319, 9.
	m.	6 $\frac{1}{2}$. 317, 5.			v.	1. 319, 9.	
	mrd.	12. 317, 25.			—	—	6. 319, 3.
	v.	11. 316, 6.			—	—	11 $\frac{3}{4}$. 320, 15.
	30.	m.	6. 315, 75.		14.	m.	6 $\frac{1}{2}$. 320, 9.
	v.	8. 315, 5.			v.	3. 320, 2.	
	—	—			15.	m.	2. 319, 85.
	v.	8. 316, 25.			—	—	8. 319, 25.
	1.	m.	8. 316, 8.		v.	1. 318, 45.	
Julius.	2.	—	3. 317, 7.		—	—	3. 318, 2.
	—	—	8. 317, 9.		—	—	5 $\frac{1}{2}$. 318, 1.
	3.	m.	10. 318, 85.		16.	v.	4. 318, 65.
	v.	7. 318, 7.			—	—	11 $\frac{1}{2}$. 319, 1.
	4.	m.	7 $\frac{1}{4}$. 319, 4.		17.	m.	9. 319, 7.
	mrd.	12. 319, 15.			v.	3. 319, 7.	
	v.	7 $\frac{1}{2}$. 318, 8.			—	—	10. 319, 9.
	—	11. 319, 1.			18.	—	1. 319, 3.
	5.	m.	11. 319, 4.		—	m. n.	12. 318, 8.
	v.	10 $\frac{1}{2}$. 318, 5.			19.	m.	6. 319, 15.
Cir.	6.	m.	5. 317, 7.		v.	3 $\frac{1}{2}$. 319, 35.	
	7.	—	8. 318, 35.		20.	—	1. 318, 9.
	mrd.	12. 319, 1.			—	—	11. 318, 3.
	v.	8. 320, 6.			21.	m.	7. 318, 3.
	—	9 $\frac{1}{2}$. 320, 65.			v.	10. 318, 1.	

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Observationes.

Mensis.	Dies.	Hora.	Altitudo observata.	Mensis.	Dies.	Hora.	Altitudo observata.
Julius.	♀ 22.	Matut. $1\frac{3}{4}$.	318, " 1.	Augustus.	4	6.	Matut. 11.
		Vesp. 1.	318, 0.			mrd. 12.	320, 1.
		—	317, 8.			v.	320, 03.
	24 23.	m.	317, 5.			—	319, 9.
	♀ 24.	mrd. 12.	318, 3.			—	319, 9.
		v.	318, 0.			—	319, 85.
	☿ 25.	—	318, 7.			—	319, 80.
	⊕ 26.	mrd. 12.	317, 9.			—	319, 9.
	☽ 27.	m.	318, 7.			—	319, 9.
		v.	1 $\frac{1}{4}$. 318, 85.			—	319, 9.
		m. n. 12.	319, 05.	♀	7.	m.	320, 0.
	♂ 28.	m.	319, 15.			—	320, 14.
	♀ 29.	mrd. 12.	318, 0.			—	319, 0.
	24 30.	v.	1. 317, 6.			—	320, 35.
	♀ 31.	m.	11. 318, 1.			—	320, 30.
		v.	7. 317, 15.			—	320, 3.
Angustus.	☿ 1.	m.	318, 55.			mrd. 12.	320, 3.
	⊕ 2.	—	10. 317, 0.			v.	320, 19.
		—	316, 4.			—	319, 95.
		—	316, 5.			—	319, 85.
	☽ 3.	v.	12 $\frac{1}{2}$. 318, 55.			—	319, 65.
		—	10. 319, 2.			—	320, 1.
	♂ 4.	m.	8. 319, 0.			—	319, 6.
		—	10. 319, 1.			—	319, 55.
		v.	1 $\frac{1}{4}$. 319, 0.			—	319, 50.
		—	11. 318, 9.	☿	8.	m.	319, 45.
	♀ 5.	m.	7. 318, 7.			—	319, 2.
		v.	0 $\frac{1}{2}$. 319, 6.			—	319, 25.
	24 6.	m.	5. 319, 85.			—	319, 25.
		—	6. 319, 80.			—	319, 4.
		—	7. 319, 80.			—	319, 35.
		—	8. 319, 5.	mrd.	12.	319, 28.	
		—	9. 319, 9.			v.	319, 20.
		—	10. 320, 15.			—	319, 05.

1807.

Observationes.

Mensis.	Dies.	Hora.	Altitudo observata.	Mensis.	Dies.	Hora.	Altitudo observata.
Augustus.	h. 8.	Vesp.	3. 318,"'95.	Augustus.	o. 11.	Matut.	5. 318,"'85.
		—	4. 318, 90.			—	6. 319, 0.
		—	5. 318, 9.			—	7. 319, 1.
		—	6. 318, 85.			—	8. 318, 0.
		—	7. 318, 84.			—	9. 319, 1.
○ 9.	Matut.	6. 318,	3.			—	10. 319, 1.
		—	7. 318, 0.			—	11. 319, 05.
		—	8. 318, 0.		mrd.	12. 319,	05.
		—	9. 318, 5.		v.	1. 318, 95.	
		—	10. 318, 95.			—	2. 318, 80.
		—	11. 318, 7.			—	3. 318, 75.
	mrd.	12. 318,	6.			—	4. 318, 50.
	v.	1. 318,	5.			—	5. 318, 60.
		—	2. 318, 3.			—	6. 318, 6.
		—	3. 318, 15.			—	7. 318, 6.
		—	4. 317, 9.			—	8. 318, 6.
		—	5. 317, 9.	♀ 12.	m.	—	7. 317, 0.
		—	6. 317, 9.			—	8. 317, 0.
		—	7. 317, 9.			—	11. 318, 2.
○ 10.	m.	6. 318,	6.		mrd.	12. 318,	15.
		—	7. 318, 55.		v.	1. 318,	15.
		—	8. 318, 5.			—	2. 318, 15.
		—	9. 318, 35.			—	3. 318, 10.
		—	10. 318, 1.			—	4. 318, 0.
		—	11. 318, 05.			—	5. 317, 9.
	mrd.	12. 317,	8.			—	6. 318, 0.
	v.	1. 317,	7.			—	7. 317, 9.
		—	2. 317, 5.	‡ 13.	m.	—	6. 317, 0.
		—	3. 317, 3.			—	7. 317, 4.
		—	4. 317, 24.			—	8. 317, 5.
		—	5. 317, 6.			—	8½. 317, 3.
		—	6. 318, 0.			—	10. 318, 35.
		—	7. 318, 2.			—	11. 318, 35.
		—	8. 318, 35.		Mrd.	12. 318,	35.

1807.

Observationes.

Mensis.	Dies.	Hora.	Altitudo observata.	Mensis.	Dies.	Hora.	Altitudo observata.
Augustus.	24. 13.	Vesp.	1. 318, " 25.	Augustus.	24. 20.	Matut.	5. 318, " 3.
		—	2. 318, 10.			Vesp.	1. 318, 65.
		—	3. 318, 0.		♀ 21.	m.	7. 318, 8.
		—	4. 317, 9.			—	11. 319, 1.
		—	5. 317, 7.		☿ 22.	m.	6. 319, 1.
		—	6. 317, 7.			—	10½. 319, 1.
		—	7. 317, 5.		⊕ 23.	m.	9. 319, 45.
		—	8. 318, 3.		♂ 24.	—	7. 319, 6.
		—	9. 318, 0.		♂ 25.	—	7. 319, 25.
♀ 14.	m.	7. 317,	0.			—	10. 319, 85.
		—	8. 317, 1.		♀ 26.	m.	6. 320, 2.
		—	9. 317, 3.			v.	2. 320, 3.
		—	10. 317, 45.			—	5. 320, 2.
		—	11. 317, 45.		♀ 27.	—	12½. 320, 3.
mrd.	12. 317,	45.			♀ 28.	m.	7. 319, 0.
	v.	1. 317,	40.			v.	1. 319, 2.
		—	2. 317, 25.		☿ 29.	mrd.	12. 319, 2.
		—	3. 317, 10.			v.	1. 318, 85.
		—	4. 316, 0.		⊕ 30.	m.	9. 319, 25.
		—	10. 317, 45.		⊕ 31.	—	7. 318, 9.
☿ 15.	m.	6. 318,	1.			v.	1. 318, 9.
		—	7. 318, 3.			—	5. 318, 7.
		—	9. 318, 4.			—	10. 319, 05.
⊕ 16.	—	9. 319,	1.		♂ 1.	m.	8. 319, 48.
	mrd.	12. 319,	3.			v.	3. 319, 7.
	v.	1. 319,	35.			—	10. 319, 9.
		—	4. 319, 4.		♀ 2.	m.	9½. 320, 3.
♂ 17.	m.	7½. 320,	05.			v.	12½. 320, 2.
		—	10. 320, 2.			—	5. 320, 15.
		—	11½. 320, 1.			v.	6. 320, 3.
	v.	3. 319,	9.			—	1. 319, 95.
♂ 18.	m.	9. 318,	95.		♀ 3.	m.	7. 319, 4.
	v.	1. 318,	85.				
♀ 19.	m.	8. 318,	25.				
	v.	1. 318,	3.				

Septem-
ber.

1807.

Observationes.

Mensis.	Dies.	Hora.	Altitudo observata.	Mensis.	Dies.	Hora.	Altitudo observata.
Septem- ber.	4 3.	Vesp.	9. 319,"" 3.	Septem- ber.	④ 13.	Vesp.	5. 316,"" 75.
♀ 4.	Matut.	8. 318, 48.	v. 2. 318, 0.	④ 14.	Matut.	7. 317, 4.	
—	v.	6. 317, 6.	—	—	II. 317, 65.		
5.	m.	7 $\frac{1}{2}$. 317, 5.	♂ 15.	m.	7. 317, 4.		
v.	2.	317, 4.	v.	1.	317, 25.		
—	10.	317, 1.	♀ 16.	m.	7. 317, 65.		
④ 6.	m.	9. 317, 0.	v.	1.	317, 25.		
v.	1.	316, 7.	4 17.	m.	7. 316, 8.		
—	3.	316, 25.	—	10.	316, 88.		
—	6 $\frac{1}{2}$.	315, 7.	v.	2 $\frac{1}{2}$.	316, 60.		
—	9.	315, 3.	—	10.	316, 3.		
④ 7.	m.	3. 314, 8.	♀ 18.	m.	7. 316, 58.		
—	8.	316, 0.	v.	1.	316, 25.		
v.	5 $\frac{1}{2}$.	316, 05.	—	9 $\frac{1}{2}$.	314, 5.		
—	10.	317, 1.	④ 19.	m.	6. 314, 8.		
♂ 8.	m.	9. 319, 28.	—	—	9 $\frac{1}{2}$. 314, 7.		
—	11.	319, 4.	④ 20.	—	7. 319, 9.		
v.	7 $\frac{1}{2}$.	320, 2.	v.	1.	320, 15.		
—	9.	320, 2.	④ 21.	m.	7. 320, 4.		
♀ 9.	m.	8. 320, 2.	v.	4.	319, 6.		
—	10.	320, 15.	♂ 22.	m.	5 $\frac{1}{2}$. 318, 5.		
v.	1.	319, 3.	—	8.	318, 4.		
—	5 $\frac{1}{2}$.	318, 5.	v.	10.	317, 8.		
—	9.	318, 2.	♀ 23.	m.	7. 317, 45.		
④ 10.	m.	7. 317, 55.	v.	1.	317, 6.		
—	10.	317, 8.	4 24.	—	1. 317, 04.		
v.	1.	318, 05.	—	9 $\frac{1}{2}$.	316, 4.		
♀ 11.	m.	6. 318, 7.	♀ 25.	m.	9 $\frac{1}{2}$. 313, 0.		
v.	5 $\frac{1}{2}$.	318, 5.	v.	1.	314, 7.		
④ 12.	mrd.	12. 316, 45.	—	—	10. 313, 5.		
v.	1.	316, 2.	④ 26.	m.	9. 313, 7.		
—	7.	315, 45.	—	—	—.		
—	10.	315, 65.	—	—	—.		
④ 13.	—	1. 317, 0.	—	—	—.		

1807.

Observationes.

Mensis.	Dies.	Hora.	Altitudo observata.	Mensis.	Dies.	Hora.	Altitudo observata.
October.	ꝑ 5.	Vesp. 1.	320," 3.	October.	ꝑ 26.	Vesp. 7.	315," 2.
	ꝝ 6.	Matut. 10.	319, 4.		ꝝ 27.	Matut. 7.	313, 25.
	ꝝ 7.	— 11.	320, 0.		ꝝ 28.	v. 10.	316, 4.
		v. 1.	319, 85.		ꝝ 29.	m. 11.	315, 6.
	ꝝ 8.	m. 6½.	319, 45.			v. 1.	315, 0.
		— 11.	319, 1.		ꝝ 30.	m. 11.	313, 69.
	ꝝ 9.	m. 10.	319, 6.			v. 3.	313, 2.
		v. 4.	319, 85.			— 7.	312, 9.
	ꝝ 10.	m. 7.	320, 3.		ꝝ 31.	m. 7.	308, 7.
		— 10½.	320, 3.			— 10.	309, 9.
	ꝝ 11.	v. 9.	321, 6.			v. 1.	310, 8.
	ꝑ 12.	m. 7.	321, 1.			— 7½.	314, 4.
		v. 5.	320, 7.	November.	ꝝ 1.	m. 7½.	319, 25.
	ꝝ 13.	— 1.	321, 3.			v. 1½.	319, 6.
		— 4.	321, 1.		ꝑ 2.	m. 8.	319, 2.
		— 10.	321, 65.			v. 5.	317, 8.
	ꝝ 14.	— 3.	322, 3.		ꝝ 3.	m. 8.	316, 3.
		— 11.	322, 2.			— 11.	315, 5.
	ꝝ 15.	m. 7.	321, 85.			v. 3.	313, 7.
	ꝝ 16.	— 7.	321, 1.			— 10.	313, 1.
	ꝝ 17.	— 7.	321, 2.		ꝝ 4.	— 2.	313, 85.
		v. 10.	320, 2.			— 8.	314, 3.
	ꝝ 18.	— 1.	319, 8.		ꝝ 5.	— 4.	315, 4.
	ꝑ 19.	— 3.	321, 7.		ꝝ 6.	m. 8.	314, 9.
	ꝝ 20.	— 1.	319, 5.			— 9.	314, 9.
		— 5.	318, 85.			v. 4.	314, 7.
	ꝝ 21.	m. 11½.	317, 7.			— 7.	315, 35.
		v. 4½.	317, 3.		ꝝ 7.	— 1.	314, 05.
	ꝝ 22.	m. 7.	313, 7.			— 10.	314, 65.
	ꝝ 23.	— 11.	313, 0.		ꝝ 8.	m. 7½.	314, 05.
		v. 10.	314, 6.			v. 12½.	313, 6.
	ꝝ 24.	m. 11.	314, 0.			— 11.	314, 15.
		v. 12½.	316, 1.		ꝑ 9.	m. 8.	313, 8.
	ꝝ 25.	— 1.	317, 2.			— 10.	313, 7.
	ꝑ 26.	m. 10.	316, 4.				

1807.

Observationes.

Mensis.	Dies.	Hora.	Altitudo observata.	Mensis.	Dies.	Hora.	Altitudo observata.
Novem- ber.	♂ 10.	vesp. 10.	314,""75.	Novem- ber.	♀ 23.	matut. 10.	315,""4.
	♀ 11.	—	1. 313, 2.		v.	3. 314, 9.	
	—	8. 314,	4.		—	8. 314, 8.	
	4 12.	matut. 8. 314,	45.		♂ 24.	m. 10. 315,	67.
		v. 1. 314,	4.			v. 3. 314,	80.
		— 7. 314,	5.			— 8. 315,	65.
	♀ 13.	m. 9. 315,	2.		♀ 25.	— 4. 317,	8.
		v. 3. 315,	9.		4 26.	m. 11. 316,	2.
	☿ 14.	— 8. 319,	4.		v.	2½. 315,	8.
	⊕ 15.	m. 8. 318,	6.		♀ 27.	— 2. 316,	2.
		v. 4. 318,	15.			— 9. 316,	1.
	—	8. 317,	35.		☿ 28.	m. 8. 316,	1.
	♀ 16.	m. 8. 316,	1.			v. 1. 315,	8.
		mrd. 12. 316,	0.			— 5. 315,	4.
		v. 9. 316,	1.			— 10. 314,	55.
	♂ 17.	m. 6½. 317,	0.		⊕ 29.	m. 8. 313,	5.
		v. 1. 316,	5.			v. 3. 314,	6.
		— 5. 316,	1.			— 8. 315,	0.
	—	10. 315,	8.		♀ 30.	m. 7. 313,	3.
	♀ 18.	m. 6. 314,	5.			v. 2. 314,	95.
		v. 4. 314,	45.			— 10. 316,	6.
	—	8. 314,	2.				
	4 19.	m. 8. 314,	9.	Decem- ber.	♂ 1.	m. 8. 317,	15.
		v. 1. 314,	6.			v. 2½. 318,	4.
	—	2½. 314,	45.		♀ 2.	m. 8. 318,	3.
	—	10. 312,	6.			v. 3. 317,	5.
	♀ 20.	m. 6. 311,	65.			— 8. 316,	15.
		v. 12½. 313,	0.		4 3.	— 1. 314,	8.
		— 4. 313,	45.			— 8. 315,	8.
	—	10. 314,	4.		♀ 4.	m. 11. 317,	1.
	☿ 21.	m. 11. 314,	6.		v.	— 1. 317,	0.
		v. 8. 315,	85.		☿ 5.	— 2. 316,	75.
	⊕ 22.	m. 8. 316,	6.			— 9. 316,	0.
		v. 8. 316,	4.		⊕ 6.	— 1. 315,	0.

Observationes.

Mensis.	Dies.	Hora.	Altitudo observata.	Mensis.	Dies.	Hora.	Altitudo observata.
Decem- ber.	⊕ 6.	vesp.	9.314," 9.	1808.	4 24.	vesp.	8.320," 5.
	⊖ 7.	matut.	9.313, 7.		♀ 25.	—	6.320, 4.
	v.	4.312, 6.			☿ 26.	matut.	8.320, 4.
	—	11.312, 15.			v.	8½.319, 9.	
	♂ 8.	—	1.311, 0.		⊕ 27.	—	1.318, 3.
	—	3.310, 6.			⊖ 28.	m.	8.319, 4.
	♀ 9.	m.	8.312, 55.		v.	9.320, 6.	
	v.	10.314, 2.		♂ 29.	m.	10.320, 4.	
	4 10.	m.	9.314, 6.		v.	1.320, 0.	
	v.	1.314, 4.			—	10.319, 4.	
	♀ 11.	—	10.318, 4.		♀ 30.	m.	8.319, 1.
	☿ 12.	m.	10.319, 8.		—	11½.318, 6.	
	v.	7.320, 35.		4 31.	v.	11.317, 95.	
	⊕ 13.	—	1.321, 1.				
	⊖ 14.	—	8.318, 15.	Janua- rius.	♀ 1.	m.	10.315, 9.
	♂ 15.	m.	11.319, 35.		☿ 2.	—	8.313, 2.
	v.	1.319, 0.		v.	1.312, 7.		
	—	8.319, 25.		—	8.313, 35.		
	♀ 16.	—	4.319, 15.		⊕ 3.	m.	11.313, 1.
	—	10.319, 75.		v.	10.314, 7.		
	4 17.	m.	8½.319, 85.		⊖ 4.	m.	8.317, 0.
	v.	8.320, 0.		v.	6.319, 3.		
	♀ 18.	m.	9.319, 45.		♂ 5.	m.	8.320, 55.
	m. n.	12.318, 6.		v.	1.320, 55.		
	☿ 19.	m.	9.318, 9.		—	4½.320, 25.	
	v.	8.320, 19.		♀ 6.	m.	8.320, 25.	
	⊕ 20.	m.	11.321, 45.		—	11.320, 5.	
	v.	6.321, 85.		v.	8.321, 55.		
	⊖ 21.	—	1.321, 6.		4 7.	—	8.323, 6.
	—	5.321, 4.		♀ 8.	m.	10.323, 72.	
	—	8.321, 3.		v.	11.323, 7.		
	♂ 22.	m.	8.320, 5.		☿ 9.	—	1.322, 65.
	v.	10.319, 65.		—	—	10.322, 95.	
	♀ 23.	m.	8.319, 4.		⊕ 10.	m.	6½.323, 2.
	v.	4.319, 4.					

1803.

Observationes.

Mensis.	Dies.	Hora.	Altitudo observata.	Mensis.	Dies.	Hora.	Altitudo observata.	
Janua-	○ 10.	vesp. 11.	320,"" 6.	rius.	○ 24.	matut. 8.	316,"" 95.	
	○ 11.	matut. 6.	317, 8.		○ 25.	vesp. 7½.	317, 1.	
	—	9½.	317, 3.		—	—	—	
	v.	3.	316, 0.		v.	8.	315, 4.	
	—	6.	315, 7.		v.	10½.	313, 1.	
	♂ 12.	m.	8½.	314, 7.	♂ 26.	m.	8. 311, 77.	
	v.	7.	315, 6.		—	11½.	311, 2.	
	—	10½.	315, 7.		v.	9½.	310, 9.	
	♀ 13.	m.	5.	316, 0.	♀ 27.	m.	5. 311, 35.	
	v.	3.	315, 8.		v.	5.	314, 4.	
	—	6.	315, 8.		4 28.	m.	8½.	316, 0.
	4 14.	m.	9½.	314, 9.	v.	1.	315, 35.	
	—	11.	314, 45.		—	6½.	314, 5.	
	v.	1.	313, 5.		♀ 29.	m.	9. 314, 4.	
	♀ 15.	—	1.	312, 3.	v.	9.	315, 9.	
	† 16.	—	1.	316, 4.	† 30.	—	4. 316, 7.	
	—	10.	317, 0.		—	11.	316, 9.	
	○ 17.	m.	9.	317, 4.	○ 31.	m.	10½.	318, 0.
	v.	1.	317, 65.		v.	1½.	317, 7.	
	○ 18.	—	1.	320, 8.				
	♂ 19.	m.	10.	320, 05.	Februa-	○ 1.	m.	9. 319, 0.
	v.	1.	319,	rius.		v.	1.	319, 0.
	♀ 20.	m.	1.	317, 75.		—	4.	319, 25.
	—	7.	316, 5.		♂ 2.	m.	7. 318, 7.	
	v.	1.	315, 25.		—	—	8. 318, 7.	
	—	4.	314, 6.		v.	10.	318, 1.	
	4 21.	mrd.	12.	314, 1.	♀ 3.	m.	9. 318, 65.	
	v.	4.	314, 25.		v.	10.	319, 8.	
	—	8.	314, 9.		4 4.	m.	8. 320, 6.	
	m. n.	12.	315, 7.		v.	1.	321, 0.	
	♀ 22.	m.	11.	318, 3.	♀ 5.	m.	8. 321, 75.	
	v.	11.	318, 6.		v.	1½.	321, 45.	
	† 23.	m.	8.	318, 05.	† 6.	—	8. 321, 2.	
	v.	1.	317, 65.		—	6. 319, 5.		
	—	4.	317, 3.		—	10.	319, 25.	

1803.

Observationes.

Mensis.	Dies.	Hora.	Altitudo observata.	Mensis.	Dies.	Hora.	Altitudo observata.
Februa- rius.	○ 7.	matut. 9. 318, ¹¹ 9.		Februa- rius.	♂ 23.	veſp. 10. 319, ¹¹ 05.	
		veſp. 7 $\frac{1}{2}$. 319, 35.			♀ 24.	matut. 7. 319, 15.	
	♀ 8.	m. 10 $\frac{1}{2}$. 318, 5.			4 25.	— 7. 322, -8.	
		— 11 $\frac{1}{2}$. 318, 1.				— 11. 323, 15.	
		v. 8. 316, 7.				v. 11 $\frac{1}{2}$. 323, 35.	
	♂ 9.	m. 7. 314, 6.			♀ 26.	m. 7. 322, 5.	
		— 10 $\frac{1}{2}$. 314, 8.				— 8. 322, 5.	
		v. 12 $\frac{1}{2}$. 314, 8.				v. 8. 320, 8.	
	♀ 10.	— 6. 317, 1.			☿ 27.	m. 7. 319, 5.	
	4 11.	— 1. 317, 5.				— 8 $\frac{1}{2}$. 319, 5.	
		— 10. 316, 4.			○ 28.	m. 7. 319, 5.	
	♀ 12.	m. 7. 313, 9.				v. 3 $\frac{1}{2}$. 321, 1.	
		v. 1. 311, 3.				— 11 $\frac{3}{4}$. 318, 95.	
	☿ 13.	m. 9 $\frac{1}{2}$. 310, 7.			♀ 29.	m. 9. 315, 8.	
		v. 9. 312, 95.				v. 4. 318, 3.	
	○ 14.	m. 8. 314, 73.				— 6 $\frac{1}{2}$. 318, 3.	
		v. 5. 316, 1.		Martius.	♂ 1.	m. 7. 320, 95.	
	♀ 15.	m. 8 $\frac{1}{2}$. 317, 4.				v. 4 $\frac{1}{2}$. 321, 5.	
	♂ 16.	— 8. 316, 1.				— 11. 321, 3.	
		v. 7. 315, 6.			♀ 2.	m. 7. 321, 3.	
	♀ 17.	m. 7. 316, 5.				— 9. 321, 0.	
		mrd. 12. 317, 7.				v. 1. 320, 3.	
	4 18.	v. 9. 314, 45.				— 10. 319, 5.	
	♀ 19.	m. 11. 318, 55.			4 3.	m. 7. 319, 8.	
		v. 10. 320, 7.				v. 1. 320, 6.	
	☿ 20.	m. 7. 321, 4.				— 5 $\frac{1}{2}$. 320, 3.	
		v. 10. 322, 3.				— 10. 320, 3.	
	○ 21.	m. 7. 322, 0.			♀ 4.	m. 7. 320, 15.	
		v. 1. 321, 9.				— 9. 320, 25.	
		— 5. 321, 7.				v. 5. 321, 2.	
		— 10. 322, 15.				— 10. 321, 55.	
	♀ 22.	m. 7. 321, 75.			☿ 5.	— 1. 321, 9.	
		— 11 $\frac{1}{2}$. 321, 1.				— 6. 321, 85.	
		v. 5. 320, 6.				— 10. 320, 6.	
	♂ 23.	— 1. 319, 2.			○ 6.	m. 10. 320,	

1808.

Observationes.

Mensis.	Dies.	Hora.	Altitudo observata.	Mensis.	Dies.	Hora.	Altitudo observata.	
Martius.	○ 6.	velp.	5. 320, " 35.	Martius.	♂ 22.	mat. 10 $\frac{1}{2}$.	317, " 7.	
	— 11.	320,	5.		v.	11. 316,	9.	
♀ 7.	natut.	7. 320,	5.	♀ 23.	—	10. 315,	6.	
	v.	7. 319,	7.	4 24.	m.	7. 315,	9.	
♂ 8.	m.	11. 319,	95.		v.	11. 316,	5.	
	v.	5. 319,	95.	♀ 25.	m.	7. 316,	5.	
♀ 9.	—	10. 320,	1.		v.	1 $\frac{1}{2}$. 316,	45.	
4 10.	m.	5. 319,	4.	ḥ 26.	m.	7. 317,	3.	
	—	7 $\frac{1}{2}$. 319,	5.		v.	1 $\frac{1}{2}$. 317,	7.	
	—	8 $\frac{1}{2}$. 319,	5.	○ 27.	m.	7. 318,	0.	
♀ 11.	m.	7. 320,	4.		—	8. 318,	0.	
	v.	1. 320,	27.		—	10. 318,	1.	
	—	9 $\frac{1}{2}$. 320,	0.		v.	1 $\frac{1}{2}$. 318,	2.	
ḥ 12.	m.	7 $\frac{1}{2}$. 319,	65.		—	4 $\frac{1}{2}$. 318,	05.	
	v.	11. 318,	7.		—	9. 318,	1.	
○ 13.	m.	8. 318,	45.	♀ 28.	m.	6 $\frac{1}{2}$. 318,	0.	
	v.	6. 318,	4.		—	11 $\frac{1}{2}$. 317,	9.	
♀ 14.	m.	7 $\frac{1}{2}$. 318,	3.		v.	11. 317,	9.	
	v.	10. 318,	2.	♂ 29.	m.	6. 317,	7.	
♂ 15.	m.	7 $\frac{1}{2}$. 318,	0.		v.	11. 317,	55.	
	v.	1. 317,	95.	♀ 30.	m.	6 $\frac{1}{2}$. 316,	8.	
♀ 16.	m.	7 $\frac{1}{2}$. 317,	3.		4 31.	—	6. 314,	8.
	v.	1. 316,	1.		v.	11. 314,	4.	
4 17.	m.	7. 315,	7.	Aprilis.	♀ 1.	m.	6. 313,	8.
	v.	5. 316,	05.		v.	6. 312,	7.	
♀ 18.	m.	11. 317,	2.		—	10 $\frac{1}{2}$. 312,	7.	
	v.	11. 316,	9.	ḥ 2.	m.	8. 313,	7.	
ḥ 19.	m.	6. 317,	0.		v.	10. 317,	3.	
	—	9. 317,	0.	○ 3.	m.	7. 318,	0.	
○ 20.	m.	7. 316,	2.		v.	10. 319,	4.	
	—	10. 316,	2.	♀ 4.	m.	7. 320,	1.	
	v.	10. 316,	5.		v.	10. 319,	6.	
♀ 21.	m.	7. 316,	7.	♂ 5.	m.	7. 319,	1.	
♂ 22.	—	6 $\frac{1}{2}$. 317,	45.		—	—	—	

Mensis.	Dies.	Hora.	Altitudo observata.	Mensis.	Dies.	Hora.	Altitudo observata.
Aprilis.	♂ 5.	vesp.	3. 318,"" 7.	Aprilis.	♀ 21.	vesp.	5½. 314,"" 30.
	♀ 6.	matut.	6. 318, 3.			—	6½. 315, 4.
		—	7½. 318, 4.			—	9. 315, 75.
		—	11. 319, 3.	♀ 22.		matut.	6¼. 316, 7.
	4 7.	v.	9½. 318, 1.			v.	10. 316, 2.
	♀ 8.	m.	8. 315, 6.	☿ 23.		m.	9. 314, 3.
		v.	4. 312, 8.			v.	6. 314, 2.
		—	10. 314, 2.	⊕ 24.		m.	8½. 314, 75.
	☿ 9.	m.	6. 316, 9.			v.	6. 315, 1.
		—	9½. 317, 5.	⊕ 25.		m.	8½. 315, 4.
		v.	1¼. 317, 85.			v.	9. 315, 0.
	⊕ 10.	m.	7. 320, 1.	♂ 26.		m.	8. 314, 0.
		v.	7. 321, 1.			—	11½. 314, 25.
	⊕ 11.	m.	7. 319, 4.			v.	9½. 315, 6.
	♂ 12.	v.	7. 317, 5.	♀ 27.		m.	8. 316, 2.
	♀ 13.	m.	8. 319, 45.			—	11. 316, 4.
		mrd.	12. 319, 75.			v.	3. 316, 2.
	4 14.	m.	7. 319, 0.			—	6. 316, 3.
	♀ 15.	—	6. 318, 6.			—	10. 316, 7.
		v.	3. 317, 45.	4 28.		m.	9. 316, 4.
	☿ 16.	—	3. 316, 55.			v.	1½. 316, 1.
		—	10. 317, 00.			—	11. 315, 3.
	⊕ 17.	—	1. 318, 0.	♀ 29.		m.	6. 315, 15.
		—	5½. 318, 3.			v.	9½. 315, 6.
	⊕ 18.	m.	6. 318, 05.	☿ 30.		m.	6¾. 316, 1.
		v.	1. 317, 2.			v.	1½. 316, 55.
		—	7. 316, 7.			—	8. 317, 18.
		—	9½. 317, 6.				
	♂ 19.	m.	6. 315, 65.	Majus.	⊕ 1.	m.	5. 318, 0.
		v.	10. 314, 8.			v.	7. 318, 65.
	♀ 20.	—	3. 315, 2.			—	9½. 318, 85.
		—	7. 314, 6.	⊕ 2.		m.	6. 319, 2.
	4 21.	m.	6. 315, 35.			mrd.	12. 319, 05.
		v.	2½. 313, 9.			v.	9½. 318, 5.
		—	5¼. 313, 85.	♂ 3.		m.	4. 318, 3.

1808.

Observationes.

Mensis.	Dies.	Hora.	Altitudo observata.	Mensis.	Dies.	Hora.	Altitudo observata.
Majus.	♂ 3.	vesp. 6 $\frac{1}{2}$	317, " 0.	Majus.	○ 22.	vesp. 9 $\frac{1}{2}$	314, " 0.
♀ 4.	matut. 10.	317,	3.	♀ 23.	matut. 8.	316,	65.
☿ 7.	v.	2 $\frac{1}{2}$.	317,	—	—	10 $\frac{1}{2}$.	317,
○ 8.	m.	8.	316,	—	v.	10.	318,
—	v.	6.	315,	—	m.	7 $\frac{1}{2}$.	319,
♀ 9.	m.	7.	315,	—	mrd.	12.	319,
—	v.	5.	316,	—	m.	9.	319,
♂ 10.	m.	9.	319,	—	v.	1.	319,
—	v.	4.	319,	—	—	6.	318,
♀ 11.	m.	6.	320,	—	m.	7.	317,
—	v.	8 $\frac{1}{4}$.	322,	—	—	10 $\frac{3}{4}$.	317,
♀ 13.	—	—	321,	—	v.	3.	316,
☿ 14.	m.	4.	321,	—	—	7.	316,
—	v.	5.	321,	—	—	11 $\frac{1}{2}$.	316,
○ 15.	m.	5.	320,	—	—	6.	316,
—	v.	10.	320,	—	v.	12 $\frac{1}{2}$.	316,
♀ 16.	m.	7.	320,	—	—	11.	317,
♂ 17.	—	7.	320,	—	—	1.	317,
—	—	320,	6.	—	—	8.	320,
♀ 18.	—	6.	318,	—	—	10.	321,
—	v.	3.	317,	—	—	7.	320,
—	—	5 $\frac{1}{2}$.	317,	—	v.	1.	320,
—	—	10.	318,	—	—	65.	65.
—	m.	11.	320,	—	—	—	35.
♀ 20.	—	7.	319,	—	—	11.	317,
—	v.	6.	318,	—	—	5.	317,
—	—	10.	317,	—	—	9.	318,
☿ 21.	m.	7.	317,	—	—	—	2.
—	v.	5.	316,	—	—	—	—
—	—	10.	316,	—	—	—	—
○ 22.	m.	6.	314,	—	—	—	—
—	—	8.	314,	—	—	—	—
—	—	11.	314,	—	—	—	—
—	v.	6 $\frac{1}{2}$.	314,	—	—	—	—
		25.		—	—	—	—

1808.

Observationes.

Mensis.	Dies.	Hora.	Altitudo observata.	Mensis.	Dies.	Hora.	Altitudo observata.
Junius.	○ 5.	matut. 6. 317, " 3.		Junius.	○ 20.	matut. 10. 318, " 15.	
		vesp. 4. 316, 7.				vesp. 6 $\frac{1}{2}$. 318, 4.	
	—	5. 316, 7.			○ 21.	m. 7. 318, 3.	
○ 6.	m.	5 $\frac{1}{2}$. 316, 05.			○ 22.	v. 5. 318, 2.	
	v.	6. 317, 2.				— 5. 316, 2.	
○ 7.	m.	8 $\frac{1}{2}$. 318, 2.				— 10. 316, 45.	
	v.	1. 318, 2.					
	—	7. 318, 54.					
♀ 8.	m.	5. 318, 75.		4 23.	m. 7. 316, 5.		
	—	9. 318, 90.				8 $\frac{1}{2}$. 316, 7.	
4 9.	—	5 $\frac{1}{2}$. 318, 45.		♀ 24.	— 7. 317, 9.		
	v.	7. 317, 7.			v. 12 $\frac{1}{2}$. 317, 5.		
	—	11 $\frac{1}{2}$. 317, 1.		○ 25.	m. 7. 316, 8.		
○ 11.	—	1. 317, 0.			— 11. 317, 15.		
	—	8. 316, 5.			v. 3 $\frac{1}{2}$. 317, 2.		
	—	11. 316, 85.		○ 26.	m. 7 $\frac{1}{2}$. 317, 2.		
○ 12.	m.	7 $\frac{1}{2}$. 317, 7.			v. 8. 317, 6.		
	v.	1. 318, 45.		○ 27.	m. 7. 317, 8.		
	m. n.	12. 319, 2.			— 11. 317, 7.		
○ 13.	v.	6. 319, 5.			v. 1. 317, 6.		
○ 14.	m.	8. 319, 6.			— 8. 317, 4.		
	—	11 $\frac{1}{2}$. 319, 4.		○ 28.	m. 7 $\frac{1}{2}$. 317, 65.		
	v.	4. 319, 0.			v. 5. 318, 05.		
	—	8. 318, 6.					
♀ 15.	m.	8 $\frac{1}{2}$. 318, 1.		♀ 29.	m. 7. 318, 9.		
	v.	1. 317, 7.			— 10. 319, 2.		
4 16.	m.	8. 319, 3.			v. 7. 319, 6.		
	v.	4 $\frac{1}{2}$. 319, 45.			— 10. 319, 7.		
♀ 17.	—	12 $\frac{1}{2}$. 320, 4.		4 30.	m. 7 $\frac{1}{2}$. 320, 2.		
	—	6. 319, 85.			v. 1. 320, 15.		
○ 18.	m.	7 $\frac{1}{2}$. 319, 7.			— 11. 320, 2.		
○ 19.	—	8. 319, 9.		Julius.	♀ 1.	m. 7. 319, 85.	
	v.	12 $\frac{1}{2}$. 319, 65.			— 11 $\frac{1}{2}$. 319, 5.		
	—	4. 319, 2.			v. 1. 319, 4.		
	—	8. 318, 8.			— 11. 319, 6.		

1808.

Observationes.

Mensis.	Dies.	Hora.	Altitudo observata.	Mensis.	Dies.	Hora.	Altitudo observata.
Julius.	ἡ 2.	matut. 7. 319, " 35.		Julius.	Ἑ 11.	mat. 11½. 321, " 0.	
	mrd. 12.	319, 3.			v.	11. 321, 25.	
	v.	5½. 319, 0.			δ 12.	m. 7. 321, 5.	
	—	8. 318, 5.			v.	7½. 321, 85.	
	—	10½. 318, 4.			—	11½. 321, 8.	
○ 3.	m.	4½. 317, 9.		♀ 13.	m.	9. 321, 45.	
	—	7½. 317, 8.			v.	1½. 321, 2.	
	—	10½. 317, 7.			—	5½. 320, 9.	
	v.	1. 317, 15.			—	7½. 320, 75.	
	—	6½. 317, 27.		Ἔ 14.	m.	9. 320, 45.	
		317, 5.			v.	6½. 320, 1.	
Ἑ 4.	m.	8½. 317, 15.		—	11. 319, 8.		
	—	9½. 317, 4.		♀ 15.	m.	4½. 319, 45.	
	v.	1½. 317, 3.			—	7½. 319, 35.	
	—	6. 317, 05.			—	11. 319, 25.	
	—	10. 317, 3.			v.	6½. 318, 65.	
δ 5.	m.	7½. 316, 9.		ἡ 16.	m.	6½. 318, 9.	
	—	10½. 316, 8.			v.	12½. 319, 05.	
	v.	5. 316, 75.			—	10½. 319, 05.	
	—	9½. 317, 3.		○ 17.	m.	7. 319, 2.	
♀ 6.	m.	8. 318, 0.			—	9½. 319, 45.	
	v.	1½. 319, 0.			v.	5. 319, 6.	
	—	5½. 320, 25.		Ἑ 18.	m.	4½. 319, 05.	
	—	6½. 320, 2.			v.	1. 319, 7.	
Ἅ 7.	m.	6. 321, 15.			—	4½. 319, 35.	
	v.	8. 319, 5.		δ 19.	m.	6. 319, 1.	
♀ 8.	m.	7½. 319, 5.			v.	1. 318, 8.	
	—	11. 319, 3.			—	3. 318, 8.	
	v.	3. 319, 0.			—	10. 318, 55.	
ἢ 9.	m.	7. 318, 7.		♀ 20.	m.	10½. 318, 2.	
	—	11½. 319, 0.			v.	6. 318, 0.	
	v.	10. 319, 5.			—	9½. 318, 07.	
○ 10.	m.	8. 320, 0.		Ἅ 21.	m.	9. 317, 9.	
	v.	11. 320, 5.			v.	1. 317, 8.	

Observationes.

Mensis.	Dies.	Hora.	Altitudo observata.	Mensis.	Dies.	Hora.	Altitudo observata.
Julius.	21.	vesp.	4. 317, " 65.	Julius.	27.	matut.	8. 318, " 35.
		—	6. 318, 1.			—	11. 318, 24.
		—	7 $\frac{1}{4}$. 317, 65.			vesp.	14. 317, 75.
		—	10. 317, 6.			—	3. 317, 5.
	22.	matut.	11. 318, 2.			—	10. 316, 4.
		v.	4 $\frac{1}{2}$. 318, 1.		28.	m.	8. 317, 4.
		—	10. 318, 4.			v.	12 $\frac{1}{2}$. 317, 35.
		h.	7. 318, 8.			—	4. 316, 85.
		merd.	12. 318, 85.			—	10 $\frac{1}{2}$. 316, 9.
		v.	4 $\frac{1}{2}$. 318, 2.		29.	m.	9. 316, 8.
		—	10. 318, 1.			merd.	12. 316, 7.
		24.	m.			v.	7 $\frac{1}{2}$. 317, 0.
		—	6. 319, 1.			—	9 $\frac{1}{2}$. 317, 15.
		—	8. 319, 5.			—	11. 317, 8.
		—	11. 319, 45.		30.	m.	9. 317, 7.
		v.	10. 318, 2.			—	11. 317, 8.
		25.	m.			v.	3. 317, 95.
		—	8 $\frac{1}{2}$. 318, 5.			—	6 $\frac{1}{2}$. 318, 05.
		merd.	12. 318, 6.			—	10. 318, 25.
		v.	5 $\frac{1}{2}$. 318, 54.			—	10. 318, 05.
		—	10. 318, 45.		31.	m.	5 $\frac{1}{2}$. 318, 0.
		26.	m.			v.	12 $\frac{1}{2}$. 318, 0.
		—	7. 318, 6.			—	4 $\frac{1}{2}$. 317, 7.
		v.	12 $\frac{1}{2}$. 318, 7.			—	6. 317, 95.
		—	7 $\frac{1}{4}$. 318, 5.			—	
		—	10 $\frac{1}{2}$. 318, 6.			—	

Alt-

Altitudinum observatarum
maxima et minima.

Mensis.		Numerus Observatio- num.	Altitudo	
			maxima.	minima.
1807.				
Januarius.	.. .	2.	21.	66.
Februarius.	.. .	13.	3.	72.
Martius.	.. .	1.	9.	58.
Aprilis.	.. .	27.	15.	83.
Majus.	.. .	16.	6.	71.
Junius.	.. .	10.	30.	101.
Julius.	.. .	8.	1.	68.
Augustus.	.. .	7.	14.	181.
September.	.. .	21.	25.	76.
October.	.. .	14.	31.	47.
November.	.. .	1.	20.	77.
December.	.. .	20.	8.	59.
1808.				
Januarius.	.. .	8.	26.	73.
Februarius.	.. .	25.	12.	66.
Martius.	.. .	5.	31.	73.
Aprilis.	.. .	10.	1.	72.
Majus.	.. .	12.	22.	64.
Junius.	.. .	17.	6.	76.
Julius.	.. .	12.	27.	117.

Summa altitudinum observatarum = 476765,"' 915.

Altitudo omnium media:

= 317,"' 84 = 26,"' 05,"' 84 pedis Parisiensis olim regit
 metrorum
 = 0, 71699295.

Qui-

Quibus mille quingentis observationibus enumeratis e re erit monere, omnes altitudines praecellenti barometro ab Anglo Ramsden, omnium machinatorum principe, affabre facto a me fuisse observatas. Machinae fuit id genus, quod Galli *Baromètre à réservoir* appellant, in quo fistula vitrea recta in latiore fundum se insinuans natante induta receptaculum format.

Locorum positiones ad sphaeram terrae relatae, latitudines nempe ac longitudines geographicae, duabus coordinatis absolvuntur. Loca inde super terrae sphaeram projecta quidem recte desinuntur, sed tertiam insuper coordinatam, quae supra illarum sectionem orbium sit ad perpendiculum, qua loca non solum projecta, sed et projecta in altum mensus fueris, haud ambigi potest desiderari. Ex quo igitur summi aetatis nostrae geometrae percelebratum super hac re consilium mihi innotuit, hanc tertiam coordinatam per Bojoriam regnum pretendere positionibus astronomicis haud parvam accessionem facturus animo constitui.

Plures enim a munificentissimorum procliviorumque ad scientias animorum et Augustissimi Regis et Ejus unius, qui Regi est a secretis princeps et optimus et nomine et re excellentissimus, liberalitate per totam Bojoriam ita constitutae observandi ergo stationes regni faciem, staturam et vultum, vallium flexus et spiras, montium porrectionem, aequora et proclivitatem, omnium denique tractum politam et vere expressam ostenderint effigiem. Ad speculam quidem regiam, quae astris suspiciendis inservit, tanquam ad centrum, omnium locorum altitudines referri atque cum ipsis situ poterunt comparari. Ad hunc igitur finem observationes a me habitae, initii in specula regia positis, quas recensui, omnes referendae sunt. En earum calculos et conclusionem, ex quibus Monachii situs supra maris interni acquora conficitur.

Observationes, quas habuerunt viri illustres, Shuckburgh, Chiminello, Toaldo, Hapel et Fleuriau de Bellevue, necessarie mihi cogere videntur, altitudinem medianam Barometri juxta planiciem maris positi aequalem esse = 0,7629 metris. Quibus recte positis, praeceunte numero densitatis aëris et mercurii rationem coëfficiente, quem celeberrimus Ramond ex sua montium Pyrenaeorum dimensione constituit, ratione habita temperationis mediae caloris juxta maris littus = + 12°,8 ab illust. Shuckburgh observatae, et ejusdem Monachii = + 10°,425 a me constitutae, thermometris, quibus in centum partes aequales divisis apud Gallos *centigrades* nomen est; vaporum insuper densitatem aëris minuentium decessione facta; variationum denique ponderis aëris et mercurii, ex latitudine geographica, sive, quod perinde est, ex longitudine penduli, conversionis coeli stelliferi sextam octogesimam millesimam et quadragesimam partem oscillantis, pendentium, summa in rationem inducta, altitudo stationis Barometri Monachii supra mare internum efficitur aequalis

$$\begin{aligned} &= 515,178 \text{ metris}, = \\ &= 1585,947 \text{ pedibus olim Gallicis} = \\ &\quad + \\ &= 1765,159 \text{ pedibus Bojoaricis}. \end{aligned}$$

Primum comparatione facta observationum mearum cum iisdem Mediolani in specula astronomica Brerae a maxime illustribus astronomis Orianí et Cesaris habitis, qui medianam altitudinem ibidem = 0,75147035 metris et caloris temperationem medianam = + 12°,75805 aequaliunt, prodit *altitudo Monachii supra Mediolanum*:

$$\begin{aligned} &= 389,00 \text{ metris}; \\ \text{at per eosdem astronomos Mediolani situs supra mare efficitur} \\ &= 128,149 \text{ metris}; \text{Altitudo inde Monachii consequitur} \\ &= 517,149 \text{ metris}, \end{aligned}$$

quae quidem a nostra, quam supra constituimus, duos haud amplius metros differt. Barometri aequae ac temperationis caloris medianam altitudinem ex observationibus quatuor annorum Mediolani habitis (et recensitis in *Effemeridi astronomiche di Milano calcolate da Francesco Carlini per gl' anni 1807. 1808.*) derivavi. Comparatis iterum meis observationibus cum altitudine media = $0^m,755461275$ temperationeque media caloris = $+ 11^{\circ}423$, quae ex observationibus a maxime illustri astronomo Bouvard in specula Caesaris Parisiensi annis 8. 9. 10. 11. 12. 13. habitis (quarum recensio videre est in *Connoissance des tems pour l'an XII. XIII. XIV. XV. 1808. 1809.* collegi, iterum prodit *altitudo Monachii supra libramen Speculac Parisiensis* = $435,11859$ metris;

at Specula Caesaris supra mediam Sequanae altitudinem assurgit (*Connoissance de tems 1808. 1809.*) $45,0$ metros.

Sed cum media Sequana Parisius ad numerum 13. antiquae mensurae pontis Regii assurgens, sit alta supra oceanum $38,00621$ metros.
(vid. *Journal de physique Fevr. 1808. p. 126.*)

Altitudo inde Monachii: $518,1248$ metrorum colligitur, haud tres metros, novem scripulis minus, a nostra descendens.

Aequata tertium cum nostris observationibus altitudine media Genevae ab acutissimo Saussure solertissime observata = $26''.10''$, mensurae olim Parisinae = $0^m,726602$ + temperatione caloris media = $+ 12^{\circ},0$ (*Journal de physique Fevr. 1808. p. 127.* Biot astronomie I. p. 144.) prodit *celsitas Monachii supra Genavam:*

$108,709$ metrorum,

sed

sed *Geneva supra Speculam Parisiensem*: + 326,^m630

Specula Caesaris vero supra Sequanam: + 45,^m000

at *Sequana supra mare* + 38,^m006

Ex quibus insertur, Barometrum - - - 518,345 metros

Monachii supra mare altum fuisse.

Quae quidem altitudo ex Genevae observationibus illata ab illa, quam supra directo constitueram, ultra tres metros duobus tantum Sicilicis differt.

En! vero et mearum et *Genevensium* et *Parisiensium* et *Mediolanensium* observationum concentus mirabilis!

Stationem igitur Barometri Monachii, cum et satis numerosas et apprime solertes fuisse observationes probaverim, supra mare internum

515,178 metros
altum certo assumpseris.

At Barometrum *Monachii* supra plateae ad aedes Virginis, juxta turrem septentrionalem, pavimentum fuit suspensum

7,297 metros;

Pavimentum vero, ubi turris assurgit, supra *Isari*, ubi per pontem lapideum praecipitat, altitudinem medianam (adhibita quidem inde a turre virginis ad Speculam astronomicam usque dioptra ad perpendicularum, quam ab aquore sive finiente nominant) inveniebatur

3,793 metros altum.

Sed cum per eandem dioptram ad perpendicularum Specula Regia coelo suspicioendo inserviens supra *Isari* medias aquas

21, 604 metros

ascendat, deductis calculis, altitudinem speculae regiae astronomiae, quae juxta Monachium est, supra maris interni aequor

525,692 metris, sive

1618,514 pedibus olim Parisiensibus

sive 1801,184 pedibus Bojoaricis

aequalem esse concluditur.

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Monachium est , supra mare internum , quam mille quingentis Observationibus a
se habitis atque ad calculos revocatis mensus est 312-340](#)