

24. the very small Vessels] *The same with those mentioned Note 21.*

25. Bladders] *See Dr. Grews Description of the Pith, and there-in of these Bladders, Anat. of Roots part. 2. And Anat. of Trunks, part. 2. Ch. 4.*

26. darkish Globules] *See the same Ch. p. 34.*

27. Extraordinary smallnes] *See the same Ch. 32, 33 Note, that these Bladders, whereof the Pith consists, Sign. Malpighi doth also observe; but not the Fibres, of which Fibres (most admirably Woven up-together) Dr. Grew hath discovered the said Bladders to be composed. See the same Ch. p. 35.*

Eclipsis Solis

Anno 1675, die 23 Junii mane st.n. observ.

G E D A N I,

à

Job. Hevelio.

Ut non omnes & singulas phasēs in hāc Eclipsi, ab ipso initio, ob frequentissimas densissimāsque Nubes hic Gedani observare nobis obtigerit; attamen præcipuas crescentes ex voto annotare licuit. Sol oriens clarissimus quidem extitit, sic ut ipsum initium admundum dīquādē, hor. sc. 4. 44', deprehensum fuerit; paulò autem post, horā sc. 5. 6' nubes Solem nobis planè eripabant, ut nihil quicquam adhuc rām usque 5. 32' deprehendere licuerit, ut ut vigiles semper oculos ad Tabulam observatiam direxerimus. Ex improviso tamen præter omnem ftem, horā, ut dixi, 5. 32' nubes Solem rursus descrebant, ut ejus Phases omnes subsequenter, à 1 ad 23, uti ex Schemate liquet, accurate describere potuerim. Prior phasis ante maximam obscurationem adhuc annotata est; maxima namque obscuratio circa tertiam phasēm, horā videlicet 5.39'. primū incidit, prout pariter ex ipso typō videre est; Finis contigit hora 6. 33'. 30". Quantitas Eclipsēs observata est 6 digit. 42', ad 37' scilicet major, quam calculus Rudolphinus eam promiserat; imo Initium & Finis satis evidenter secundūm dīcum calculus in hac Eclipsi aberravit; quippe liquidum est, ad 12 integra ferè minuta tardius incidisse: Semidiameter quoque Lunæ calculo hāc vice non respondet; siquidem circa hor. 5.55', alto scilicet Sole 15° ferè, Semidiam. Lunæ non nisi 14'. 37" exitit; cum tamen calculus eam 15'. 29" monstraverit, datā nempe semidiometro Solis 15'. Hæc sunt, que observata in hāc Eclips. fuere.

Calculus Rudolphinus.			Observatio.			Differentia.
	Hor.	"	Hor.	"	"	
Initium Gedani,	4	31	42	4	44	0
Maxima obscur.	5	28	20	5	39	0
Finis,	6	24	58	6	33	30
Duratio,	1	53	16	1	50	0
Quantitas,	vj. digit.	5'	vj. dig.	42'		37

Eclips.



(661)

Eclips. Sol.

Anno 1675, die 23 Junii observ.

G E D A N I.

Ordo Phasum	Animavertenda.	Temp. ex sciat.	Tempore Correcto.		
			Hor.	"	Hor.
	Solis centrum in horizonte,		3	21	30
	Nihil in Sole,		3	56	30
	Sol sub nubibus,		4	6	0
	Nihil in Sole,	4 35 0	4	35	0
	Nihil in Sole,	4 37 0	4	37	10
	Nihil in Sole,	4 40 0	4	40	0
	Nihil adhuc,		4	42	0
	Initium,		4	44	0
	Nubes Solem plene occultarunt,		4	54	30
	Sol nusquam apparuit,		5	6	0
1	6 ¹ digit. ferè obscurati erant, cùm Sol rursus emicuit.		5	32	0
2	6 ² digit.	dig.	5	34	0
3	Maxima ferè obscurat.	6 42	5	38	30
4			5	40	30
5			5	42	0
6	6 ¹ digit.		5	43	30
7	6 ² digit.		5	47	30
8	6 digit.		5	49	30
9	5 ¹ dig. Diamet. D ^e ,	14' 37"	5	55	0
10	5 ² dig.		5	57	0
11	5 ferè digit.		5	59	30
12	4 ¹ digit.		6	2	0
13	4 ² digit.		6	4	15
14	4 digit.		6	6	30
15	3 ¹ 8 ² dig.		6	9	15
16	3 ² 4 ¹ dig.		6	14	35
17	2 ¹ 8 ² dig.		6	18	10
18	2 ² 8 ¹ dig.		6	20	0
19	2 dig.		6	22	0
20	1 ¹ 2 ² dig.		6	24	0
21	1 ² 4 ¹ dig.		6	25	25
22	1 dig.		6	27	10
23	1 ¹ 2 ¹ digit.		6	30	30
	Finis.		Altitudo ☽.	6	33
		0	"	6	30
	Altitudo ☽	25 20 0		6	41
	Altitudo ☽	26 36 0		6	50
	Altitudo ☽	27 40 0		6	57
	Altitudo ☽	28 5 0		7	0

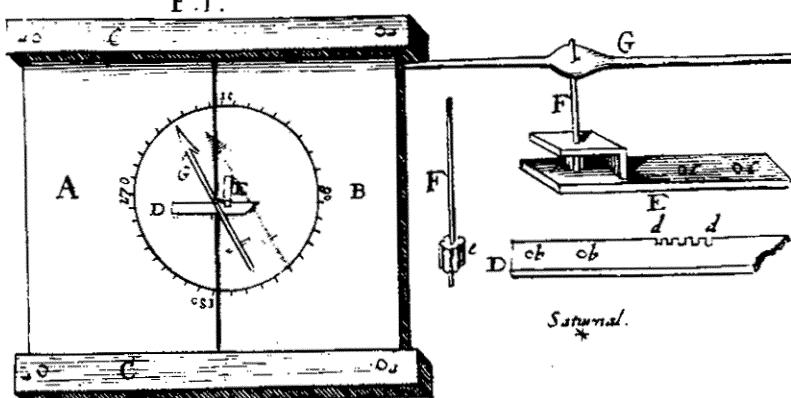
Sofar the Learn'd Hevelius; who was also pleased to communicate his Observation of the Figure of Saturn, as it appeared to him in August, 1675. to be seen in Tab. I. Fig. 3.

Mr.

Tab. I.

Trans. Numb. 127.

F. 1.

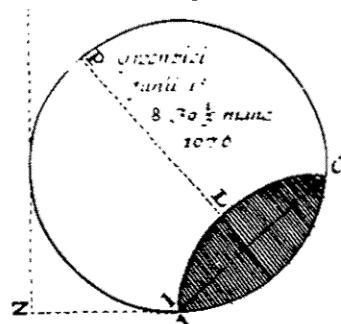


Saturn.

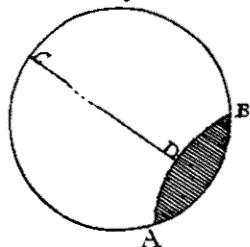
F. 3.



F. 4.



F. 5.



F. 6.

