

II. *Observationes accurate captæ, anno xvij = xxiiij Lugduni Batavorum, Delphis Bataviæ, & in pago Rhenoburgo. Circa mediam BAROMETRI altitudinem, mediam THERMOMETRI elevationem, tum & HYGROMETRI varietatem mediam, circa copiam PLUVIÆ, Roris, Nivis, Grandinisque, simul & circa copiam AQUÆ quæ exhalavit, & altitudinem putealis AQUÆ in PUTEO, unde nihil Aquæ exhaursum fuit toto anni decursu, de variatione HOROLOGII PORTATILIS singulis mensibus, ut certa hæc experimenta servire queant contemplatoribus HISTORIÆ NATURALIS, offert eadem-barum deliciarum studiosis NICOLAUS CRUQUIUS, Geometra. R.S.S.*

BAROMETRUM.	THERMOM.	HYGROMETRUM.	Quantitas aquæ, quæ totius hujus anni decursu mense quolibet exhalaverat, in Aere aperto, & ventis perflato. <i>Rhenoburgi.</i>
Hic pono Pondus Athmosphæræ incumbentis, in planum pedis quadrati <i>Rhenolandici</i> , cujus athmos. pondus 1947 libras Amstelædamenses pendet, quando \varnothing^{ii} in barometro altitudo est 27 <i>poll.</i> 7 <i>lin.</i> pendet 2094 <i>lb.</i> Amst. quando altitudo fuit \varnothing in barometro 29 <i>poll.</i> 8 <i>lin.</i> hæc enim fuit maxima & minima \varnothing^{ii} in barometro observata altitudo intra plures jam annos.	Hic calorem Atmosphæræ in loco observationis destinavi ex rarefcente Aere ita ut summum frigus observatum fit ubi notabatur gradus 1000, aqua pura gelasceret ad grad. 1070, ebulliret vero ad grad. 1510.	Mensuravi hic aquæ copiam in Athmosphærâ in loco observationis; juxta accrescens decrescensve pondus spongiæ ad bilancem appensæ, quam spongiam prius Muria Salis Ammoniaci humectaveram.	
<i>lb.</i>	<i>grad.</i>	<i>pond.</i>	<i>lin.</i>
Januar. - - - 2051	- - - 1076	- - - - 81	- - - 7
Februar. - - - 46	- - - 85	- - - - 80	- - - 14
Martio - - - 35	- - - 102	- - - - 80	- - - 33
Aprili - - - 46	- - - 109	- - - - 60	- - - 36
Maiο - - - 57	- - - 126	- - - - 57	- - - 58
Junio - - - 53	- - - 140	- - - - 57	- - - 57
Julio - - - 2044	- - - 129	- - - - 58	- - - 37
Augusto - - - 46	- - - 141	- - - - 60	- - - 39
Septemb. - - - 54	- - - 132	- - - - 61	- - - 24
Octobri - - - 55	- - - 121	- - - - 71	- - - 15
Novemb. - - - 53	- - - 104	- - - - 77	- - - 15
Decemb. - - - 35	- - - 96	- - - - 79	- - - 12
Summa 575	1361	- - - - 821	- - - 347
$\times 2$ —			
Medium 2048	1113	- - - - 68	toto anno. 28 <i>pol.</i> 11 <i>lin.</i>

Aquæ Cœlo delapsæ,
nimirum
Pluviæ, Roris,
Nivis, Grandinisque
Altitudo ;

Cum cauta cura, ne
exhalatione, aut alio
modo vel minimum
perierit.

<i>Delphis.</i>	<i>Rhenoburgi.</i>
<i>lin. dec.</i>	<i>lin. dec.</i>
- - 17.9	- - 21.2
- - 25.1	- - 23.8
- - 18.8	- - 28.-
- - 5.5	- - 7.5
- - 4.2	- - 2.7
- - 3.2	- - 4.8
- - 38.6	- - 28.-
- - 41.9	- - 40.2
- - 15.1	- - 14.8
- - 8.2	- - 11.3
- - 30.7	- - 29.7
- - 30.6	- - 40.-
<hr/>	
238.8	252
poll. 20 (in toto anno)	21 poll.

Aquæ altitu-
do putealis,
in puteo,
mensurata a
summo ejus
margine, ad
aquæ superfi-
ciem, in fine
cujusque
mensis. Fuit
vero putei
profunditas
ima usque ad
sabulum sca-
turiens vel
currens, nihil-
que aquæ inde
eductum toto
observatōnis
tempore.

<i>ped. pol.</i>	
- - 5 : 4	
- - 4 : 11	
- - 5 : 7	
- - 6 : 10	
- - 8 : 1	
- - 9 : 3	
- - 9 : 7	
- - 9 : 7	
- - 9 : 9	
- - 9 : 8	
- - 9 : 3	
- - 8 : 2	
<hr/>	
86 : -	
Med. 8 ped.	

Observatio accelerati,
vel retardati Cursus, in
Horologio portatili ac-
curatissimo.

Ut pateat
quot minuta, in quo-
que Mense, plura vel
pauciora, absolverit.
Hic (+) augmenti,
(-) decrementi nota
est.

Ratio relata ad Solis
decursum.

<i>Minuta.</i>	
- - - + 151 Jan.	
- - - + 21 Febr.	
- - - - 168 Mar.	
- - - - 120 Apr.	
- - - - 123 Maio.	
- - - - 130 Jun.	
- - - - 90 Jul.	
- - - + 133 Aug.	
- - - + 24 Sept.	
- - - + 19 Oct.	
- - - + 266 Nov.	
- - - + 252 Dec.	
<hr/>	
+ 866, & - 631	
five + 235	
in quoq; mens.	
20' accelerat.	

Observationes per aliquot annos factae.

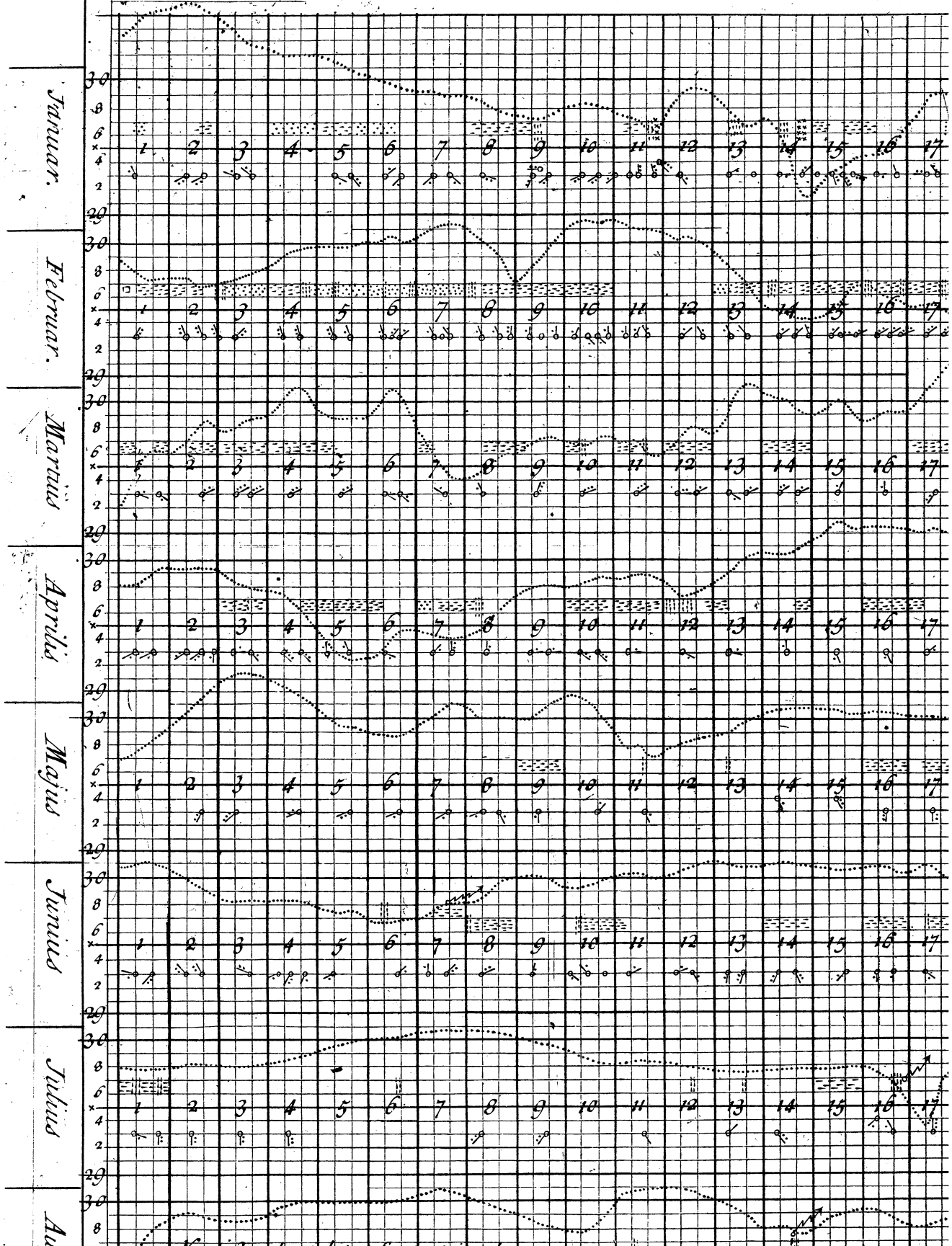
Ann. Jan. Feb. Martio	lb.
1720	2034
1721	52
1722	76
1723	51
4	2053
<i>Grad.</i>	
1720	1087
1721	90
1722	79
1723	76
4	332
<i>pond.</i>	
1721	89
1722	88
1723	81
3	258
<i>linæ</i>	
1715	11
1716	19
1717	31
1718	41
1719	33
1720	36
1721	20
1722	2
1723	18
9	191
21	21
21	21

Ap. Mai. Jun. Jul. Aug. Sept.	BAROMETRUM
36	38
29	29
41	42
46	57
152	166
38	41
<i>THERMOMETRUM</i>	
102	126
112	116
109	122
109	126
432	490
108	122
<i>HYGROMETRUM</i>	
80	69
63	62
60	57
203	188
68	63
<i>Pluvia, &c. Delphis.</i>	
8	15
7	17
29	31
30	17
11	17
21	15
59	30
23	15
5	4
193	161
21	18

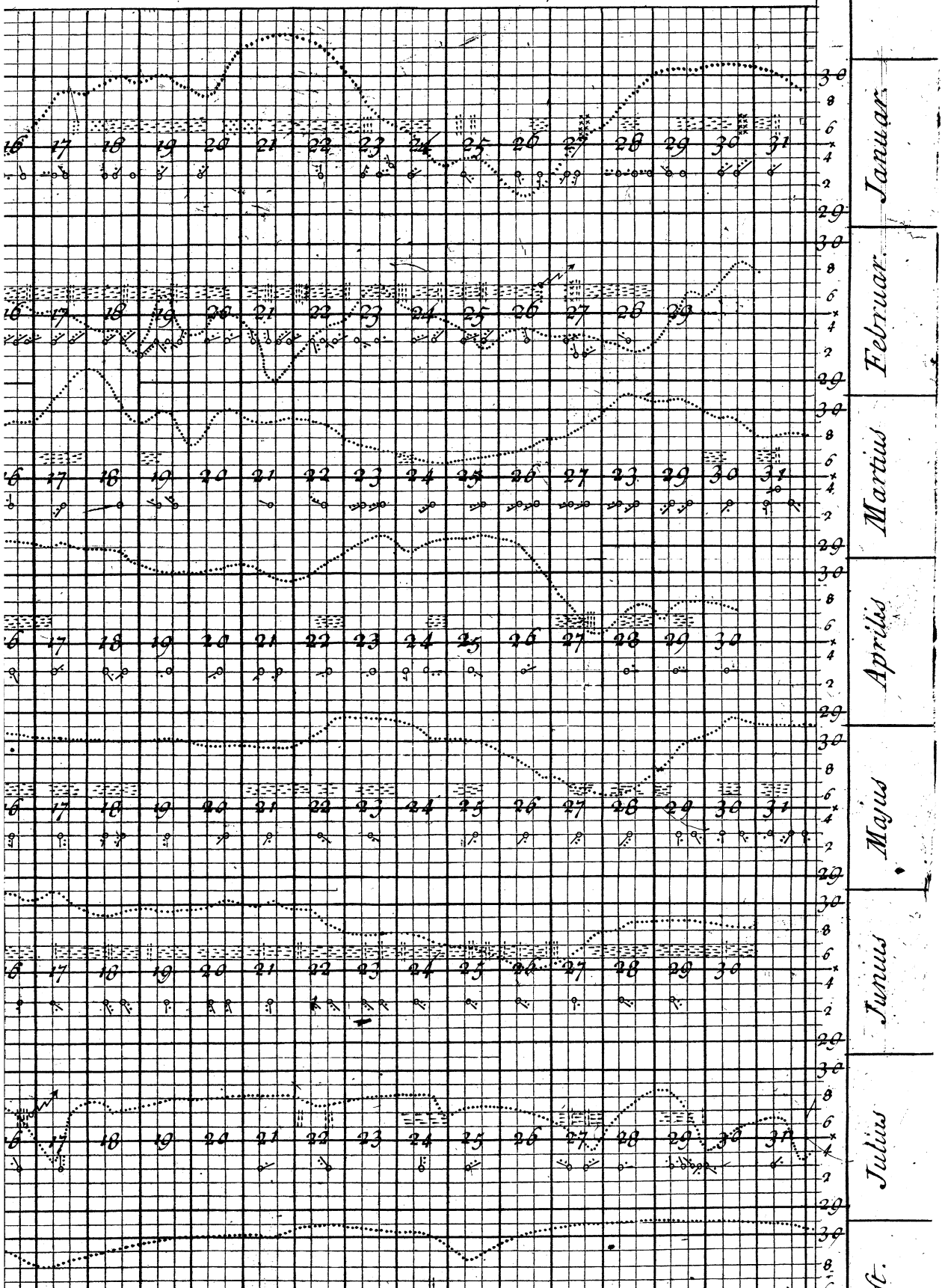
Oct. Nov. Dec.	40	38	23
42	32	29	
59	37	30	
55	53	35	
196	160	117	
49	40	29	
107	91	91	
110	100	84	
117	101	90	
121	104	96	
455	396	361	
114	99	90	
76	89	88	
76	81	88	
71	77	79	
223	247	255	
74	82	85	
37	47	15	
57	21	52	
32	29	28	
46	21	25	
25	24	22	
56	25	20	
57	30	48	
7	21	53	
8	31	31	
325	249	274	
36	28	30	

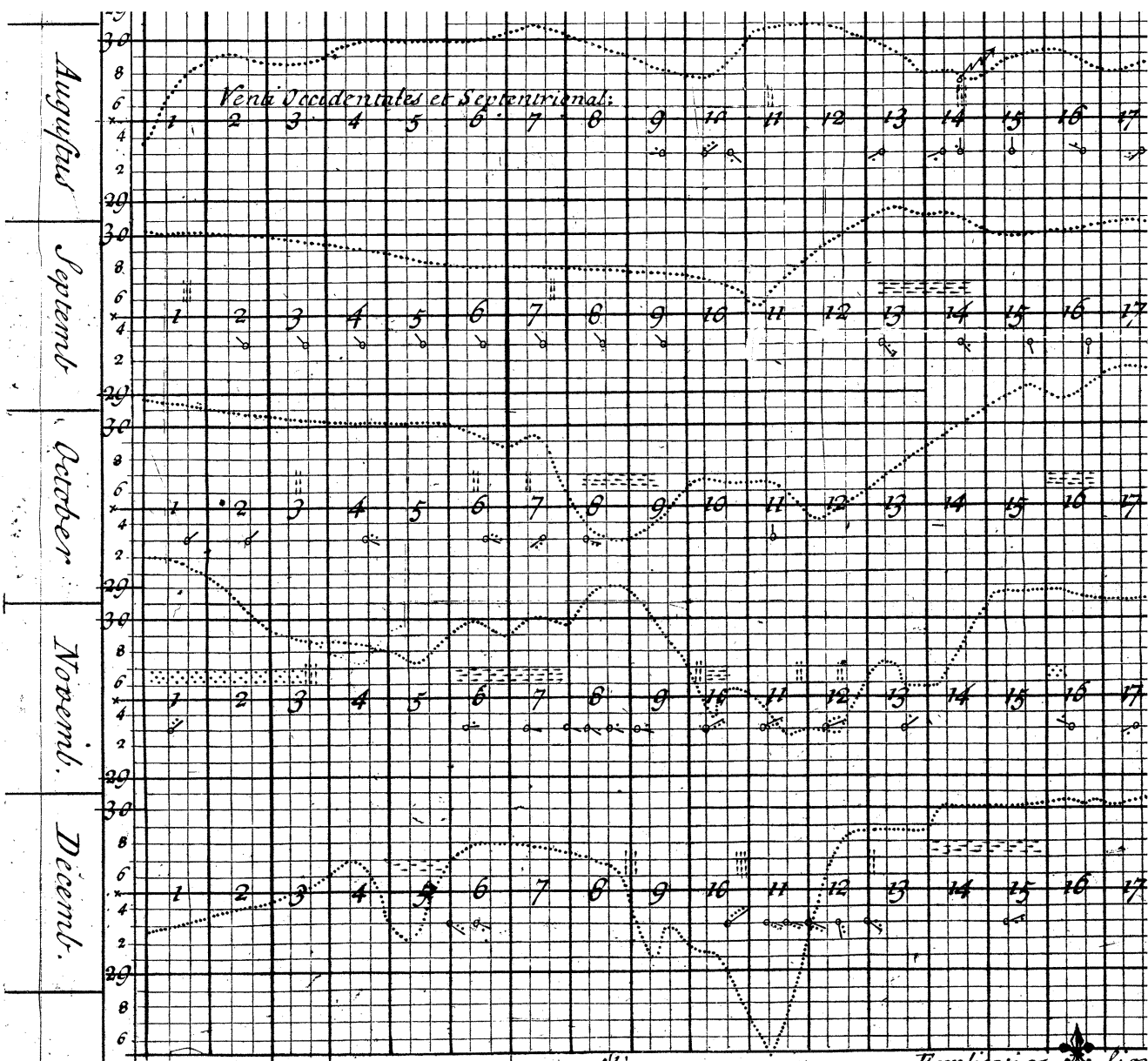
Sum. Med. Ann.	12 lb.	1720
454	2058	1720
474	39	1721
528	44	1722
575	48	1723
169		
2042		
<i>Grad.</i>		
1309	109	1720
1309	109	1721
1353	113	1722
1361	113	1723
444		
111		
<i>pond.</i>		
917	76	1721
882	74	1722
821	69	1723
219		
73		
<i>poll. lin.</i>		
400	33	4
313	26	1
333	27	9
277	23	1
235	19	7
303	30	3
419	34	11
315	26	3
240	20	1
241	3	
26	10	

Tabula, praecipue Altitudinem fere Singulis Horis BAROM.
 Londinensib; ut et ^{pro} parte Pluuias; Plagas, Violentiasque Ventorum; nec non



ROMETRI, totius Anni decursu 1723 Stylo Veteri, digitis
et non Coeti-faciem, Lugduni Observata exhibens.

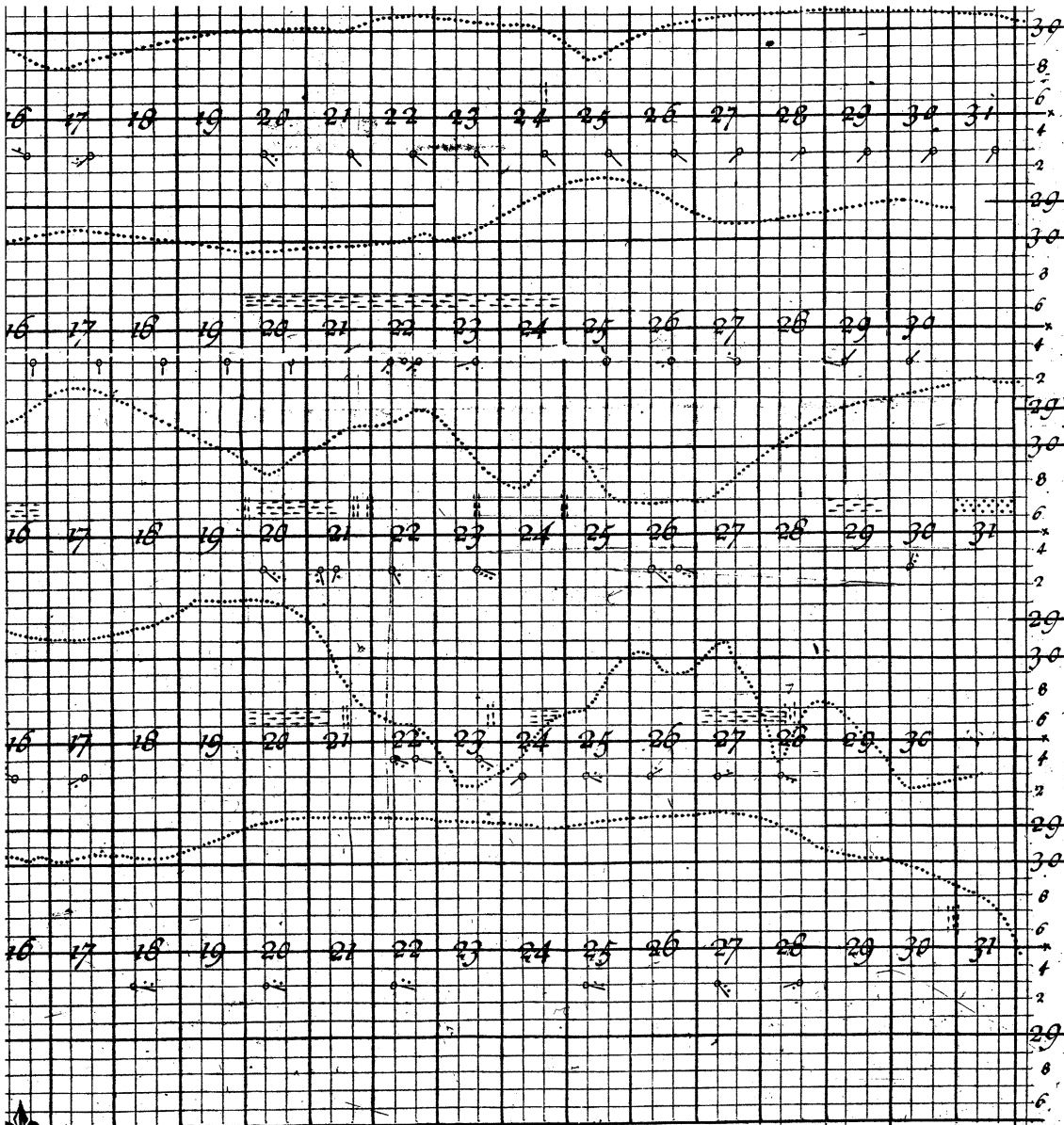




Altitude Barometri. Velum. Vires Ventorum. Pluvia. Nix.

Explicatio Signi





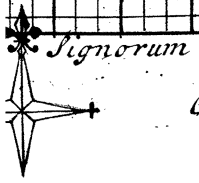
August.

Septemb.

October

Novemb.

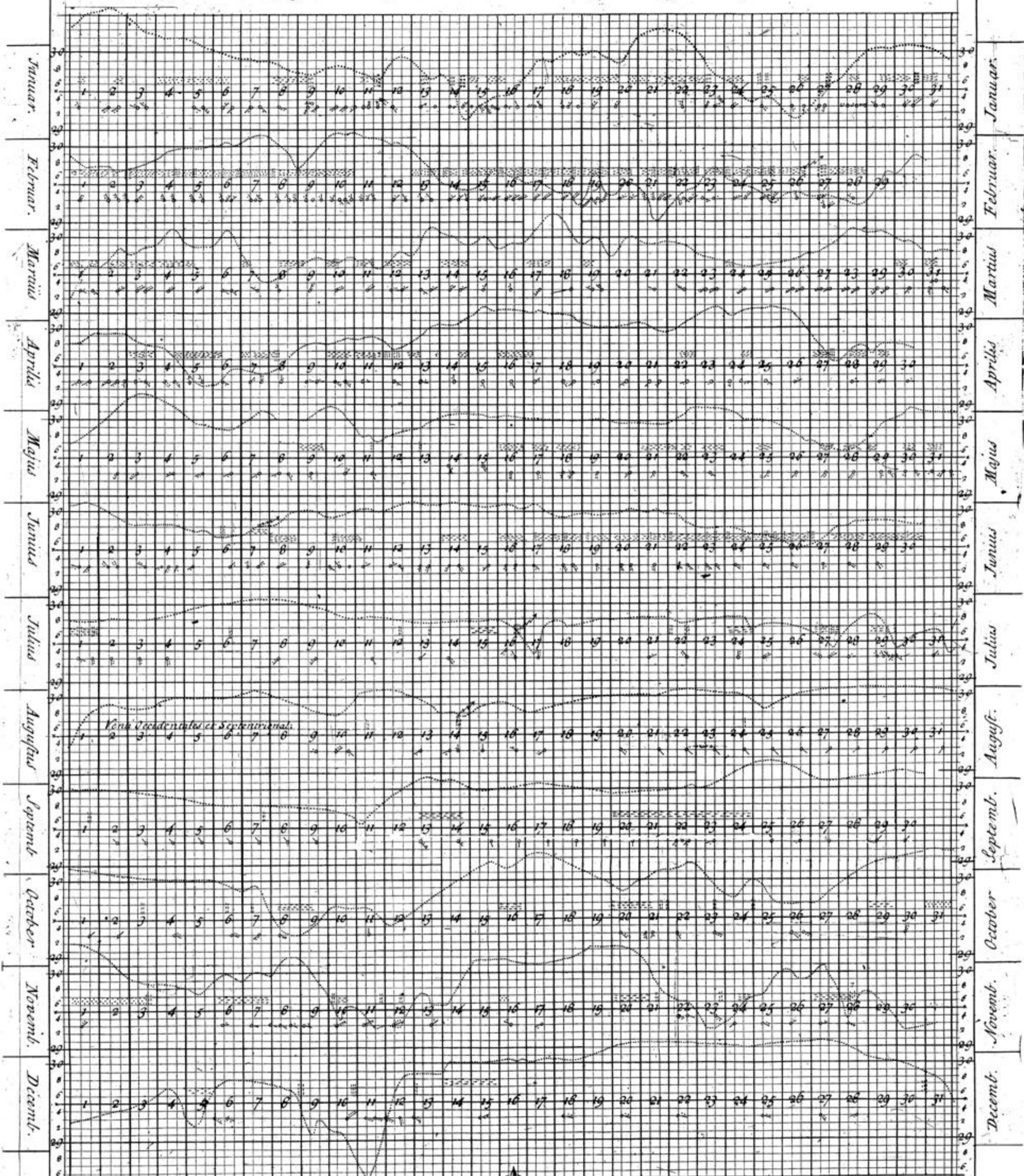
Decemb.



Grando. Nebula. Tonitru. Coelum Nubibus Obductum

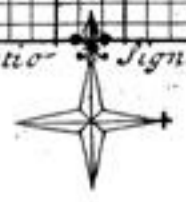
lin. 1720 35 16 13 1721 21 29 28 1722 3 20 27 1723 21 24 28 # 80 89 96 # 20 22 24	<p><i>Pluvia Sc. Rheuburgi</i></p> <table border="1"> <tr><td>24</td><td>29</td><td>14</td><td>20</td><td>48</td><td>54</td></tr> <tr><td>59</td><td>35</td><td>28</td><td>14</td><td>47</td><td>27</td></tr> <tr><td>29</td><td>28</td><td>27</td><td>60</td><td>64</td><td>26</td></tr> <tr><td>7</td><td>3</td><td>5</td><td>28</td><td>40</td><td>15</td></tr> <tr><td>119</td><td>95</td><td>74</td><td>122</td><td>199</td><td>122</td></tr> <tr><td>30</td><td>24</td><td>19</td><td>30</td><td>50</td><td>30</td></tr> <tr><td>30</td><td>30</td><td>30</td><td>30</td><td>30</td><td>43</td></tr> </table>			24	29	14	20	48	54	59	35	28	14	47	27	29	28	27	60	64	26	7	3	5	28	40	15	119	95	74	122	199	122	30	24	19	30	50	30	30	30	30	30	30	43	pol. lin. 367 30:7 1720 417 34:9 1721 376 31:4 1722 252 21: 1723 117:8 29:5
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29	28	27	60	64	26																																									
7	3	5	28	40	15																																									
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30	30	30	30	30	43																																									
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23:8	27:	32:	2	34:7	34:2 32:11																																									
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Minuta 1722 34 9 7 1723 151 1 187 # 97 8 194 # 48 4 97 # Jan. Feb. Mar. # Apr. Mai Jun. # Jul. Aug. Sept. Oct. Nov. Dec.	<p><i>Horologii portatilis Curfus.</i></p> <table border="1"> <tr><td>5</td><td>38</td><td>55</td><td>89</td><td>78</td><td>84</td></tr> <tr><td>139</td><td>142</td><td>149</td><td>109</td><td>113</td><td>4</td></tr> <tr><td>134</td><td>180</td><td>204</td><td>198</td><td>35</td><td>80</td></tr> <tr><td>67</td><td>90</td><td>102</td><td>99</td><td>17</td><td>40</td></tr> <tr><td>8</td><td>151</td><td>151</td><td>246</td><td>232</td><td>478</td></tr> <tr><td>4</td><td>199</td><td>239</td><td>4</td><td>199</td><td>239</td></tr> </table>			5	38	55	89	78	84	139	142	149	109	113	4	134	180	204	198	35	80	67	90	102	99	17	40	8	151	151	246	232	478	4	199	239	4	199	239	1722 402 1722 1723 727 1723 1129 564						
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Venti Occidentales et Septentrionalis

Explicatio Signorum



Altitudo Barometri. Velum. Vires Ventorum. Pluvia. Nix. Grando. Nebula. Temitru. Coelum Nubibus Obductum