

ton, insoweit sie die Sonnenflecken berühren, und mir Gelegenheit zu Bemerkungen geben.

In sechster Linie setze ich die Sonnenfleckenliteratur fort, und theile in derselben auch die Beobachtungen der

Zürich 1859 Mai 15.

Sonnenflecken mit, welche der Silberschmied *Tevel* in Middelburg in den Jahren 1816 bis 1819, 1824 bis 1825, 1828, 1830, 1832, 1835 und 1836 machte, und Herr Prof. *Buyss-Ballos* in Utrecht gütigst für mich auszog.

*Rudolf Wolf.*

### Osservazioni della Cometa di *Tempel* fatte all' J. R. Osservatorio di Padova.

1859	T. M. di Padova	$\alpha'$	$\delta'$	Pos. apparenta delle stelle di confr.		Autorità	Annotazioni
		$\alpha'$	$\delta'$	$\alpha$	$\delta$		
Aprile 7	10 <sup>h</sup> 8 <sup>m</sup> 22 <sup>s</sup> 6	12 <sup>h</sup> 35 <sup>m</sup> 54 <sup>s</sup> 90	+76° 19' 7'' 5	12 <sup>h</sup> 35 <sup>m</sup> 35 <sup>s</sup> 55	+76° 40' 40'' 3	12916 di Öltzen	3 conf. al Micr. Circ
8	10 6 12,1	12 8 45,93	76 46 42,3	12 14 45,33	76 58 6,8	Unamia oss. merid.	3 conf. al Micr. Circ.
14	9 10 14,7	9 12 12,91	75 3 57,9	9 11 10,03	74 59 57,7	4 confr. alla paral. colla 1522 Gr.	5 conf. al Micr. Circ.
22	11 3 13,6	7 8 39,29	63 12 43,5	7 9 34,90	63 7 35,4	4 confr. alla paral. colla 7961—62 Öltz.	3 conf. al Micr. Circ.
24	11 41 19,8	6 53 21,30	59 34 28,3	6 55 47,12	59 28 4,1	7519—20 di Öltzen	7 conf. alla Parallac.
26	8 42 11,9	6 41 55,17	56 8 27,8	6 39 20,06	56 11 14,2	7246 Öltzen	6 = = *
26	9 32 46,0	6 41 42,54	56 4 21,0	6 36 26,30	55 51 24,7	7206 =	5 = = =
27	10 30 17,1	6 36 17,19	54 8 51,4	6 38 29,06	54 25 16,1	7235 =	7 = = =
29	8 17 21,5	6 27 25,41	50 36 31,0	6 35 24,02	50 31 30,2	7189 =	4 = = =
Maggio 1	10 1 3,4	6 19 14,62	46 48 40,5	6 15 50,78	46 52 52,5	6830 =	6 = = =
5	8 37 0,1	6 6 5,45	+39 44 36,5	6 4 31,55	+39 42 40,1	Bessel Z. 509	7 = = =

Padova 1859 Maggio 15.

*Virgilio Trettenero.*

Schreiben des Herrn *Bond*, Directors der Sternwarte in Cambridge, an den Herausgeber.

Observatory of Harvard College  
Cambridge U.S. 1858 May 3.

On the evening of the 27. ult. a Comet was detected by Mr. *Horace P. Tuttle* at this observatory. \*) The learned subsequently of its prior discovery on the 23. by Mr. *Watson* of Ann Arbor, it was also independently discovered by Mr. *Ferguson* at Washington on the 27. It is now bright and shows a faint tail, which could be traced last coming, to a distance of 20' from the head.

The following observations have been made at Cambridge

	Cambr. m. t.	$\alpha$ AR app.	$\delta$ Decl. app.
1859 April 27	9 <sup>h</sup> 33 <sup>m</sup> 36 <sup>s</sup>	6 <sup>h</sup> 35 <sup>m</sup> 18 <sup>s</sup> 79	+53° 47' 40'' 2
29	10 6 8	6 26 9,58	50 3 15 2
May 2	9 4 22	6 14 59,67	+44 48 47 2

Depending upon the following stars.

April 27	Star of 9 <sup>th</sup> mag.	Öltzen 7170
29	= 9 =	= 7009
May 2	= 9 =	Bess. Z. 511

Mr. *P. H. Safford* has computed the following Elements and Ephemeris based upon the observations made at Ann Arbor April 23 and Cambridge April 27 and 29.

Elements:

$$T = 1859 \text{ May } 29,0030 \text{ Wash. m. t}$$

$$\omega = 281^{\circ} 59' 66$$

$$\Omega = 357^{\circ} 41,77$$

$$i = 94^{\circ} 52,78$$

$$\log q = 9,30403$$

For the middle observation:

$$\begin{array}{l} \Delta \alpha \cos \delta \\ \Delta \delta \end{array} \begin{array}{l} c-o \\ +0' 03 \\ +0,22 \end{array}$$

Ephemeris:

12 <sup>h</sup> Wash. m. t.	$\alpha$	$\delta$	$\log \Delta$	$\log r$
May 12	5 <sup>h</sup> 44 <sup>m</sup> 34 <sup>s</sup>	+27° 24' 4	9,9123	9,7620
13	41 36	25 51,5		
14	38 32	24 20,5	9239	7210
15	35 21	22 51,5		
16	32 1	21 24,6	9363	6748
17	28 31	20 00,0		
18	24 48	18 38,0	9494	6221
19	20 52	17 18,9		
20	16 37	16 3,3	9632	5620
21	12 3	14 51,7		
22	7 6	13 45,0	9778	4937
23	5 1 42	12 44,5		
24	4 55 48	+11 52,5	9,9930	9,4190

*G. P. Bond.*

\*) Ist auch der am 2. April von Herrn *Tempel* entdeckte Comet.