

Schreiben des Herrn Professors *Lassell* an den Herausgeber.
Liverpool 1848. April 8.

My dear Sir.

May I beg the favour of your inserting the annexed observations of *Mauvais* Comet in the *Astronomische Nachrichten* as early as is convenient to you. I have sent them somewhat in detail in order to enable your readers to judge what

measure of accuracy they are likely to possess. If however they would occupy more space than you can spare, it would be easy to abridge them and publish only the results.

W. Lassell.

Observations of the Comet of *Mauvais* (discovered July 4 1847) made with the 20foot Equatoreal, furnished with a Micrometer by *Merz*, in which the threads and not the field of view are illuminated. The powers used were 219 and 297. When last seen the Comet had become a faint object in my telescope, yet not so much so but that I think it very possible I may again see it after the retirement of the moon, if the sky be then favourable. The observations of the 19th March were obtained during the lunar eclipse. On the 31st

March a faint nebula whose approximate place is AR. $9^h58^m44^s$ N.P.D. $74^{\circ}53'$ was almost in the field at the same time as the Comet. I know not whether it has been previously observed, but as I estimated the Comet at about half its brightness, it may serve to convey a good idea of the light the Comet then had, to those who possess telescopes sufficiently powerful. The Comet appears to me to have a very minute stellar nucleus, surrounded by nebulosity.

1848 March 3. Approx. place of Star of Comparison. AR. $10^h51^m7^s$. N.P.D. $71^{\circ}28'$. 8th Magnitude (H.C. 21083)

<p>At $10^h29^m40^s$ ☞ South of * 23,182 Revns.</p> <table style="margin-left: 20px;"> <tr><td>32 8</td><td>23,045</td></tr> <tr><td>34 21</td><td>23,206</td></tr> <tr><td>37 12</td><td>23,439</td></tr> <tr><td>40 53</td><td>23,136</td></tr> </table> <hr style="width: 50%; margin-left: 0;"/> <p style="margin-left: 20px;">10 34 50,3 A 23,202 = 4^m11^s83</p> <p>Clock fast 1 16,9</p> <hr style="width: 50%; margin-left: 0;"/> <p style="margin-left: 20px;">10 33 33,9 Starfield Sid. Time.</p> <p>or 11 57 50,5 Greenwich Mean Time.</p>	32 8	23,045	34 21	23,206	37 12	23,439	40 53	23,136	<p>At $8^h25^m16^s$ ☞ precedes * 7^s8</p> <table style="margin-left: 20px;"> <tr><td>27 0</td><td>7,8</td></tr> <tr><td>28 49</td><td>8,6</td></tr> <tr><td>33 7</td><td>8,6</td></tr> <tr><td>46 20</td><td>10,0</td></tr> <tr><td>47 34,8</td><td>10,2</td></tr> <tr><td>48 45,3</td><td>10,7</td></tr> <tr><td>50 0,4</td><td>10,8</td></tr> <tr><td>51 8</td><td>10,8</td></tr> </table> <hr style="width: 50%; margin-left: 0;"/> <p style="margin-left: 20px;">8 39 4,72</p> <p>Cl. fast 1 16,9</p> <hr style="width: 50%; margin-left: 0;"/> <p style="margin-left: 20px;">8 37 47,82 S. S. T.</p> <p>or 10 2 23,72 G. M. T.</p>	27 0	7,8	28 49	8,6	33 7	8,6	46 20	10,0	47 34,8	10,2	48 45,3	10,7	50 0,4	10,8	51 8	10,8
32 8	23,045																								
34 21	23,206																								
37 12	23,439																								
40 53	23,136																								
27 0	7,8																								
28 49	8,6																								
33 7	8,6																								
46 20	10,0																								
47 34,8	10,2																								
48 45,3	10,7																								
50 0,4	10,8																								
51 8	10,8																								

1848 March 19. Approx. place of Comparison Star. AR. $10^h16^m15^s$. N.P.D. $73^{\circ}14'$. 10th mag.
A star a magnitude greater & $4'0''$ North, follows in 3^s5 .

<p>At $9^h15^m 2^s4$ ☞ South 16,525</p> <table style="margin-left: 20px;"> <tr><td>18 28,4</td><td>16,575</td></tr> <tr><td>21 12,6</td><td>17,209</td></tr> <tr><td>26 4,6</td><td>16,910</td></tr> <tr><td>28 12,4</td><td>17,385</td></tr> <tr><td>30 26,8</td><td>17,694</td></tr> </table> <hr style="width: 50%; margin-left: 0;"/> <p style="margin-left: 20px;">9 23 14,03 B 17,050 = 3^s3^s83</p> <p>Cl. Slow 38,1</p> <hr style="width: 50%; margin-left: 0;"/> <p style="margin-left: 20px;">9 23 52,13 S. S. T.</p> <p>or 9 45 25,98 G. M. T.</p>	18 28,4	16,575	21 12,6	17,209	26 4,6	16,910	28 12,4	17,385	30 26,8	17,694	<p>At $9^h40^m10^s0$ ☞ follows * 4^s8</p> <table style="margin-left: 20px;"> <tr><td>42 57,6</td><td>4,4</td></tr> <tr><td>44 44,8</td><td>4,0</td></tr> <tr><td>46 35,2</td><td>4,0</td></tr> <tr><td>48 33,2</td><td>4,0</td></tr> <tr><td>50 5,2</td><td>3,6</td></tr> <tr><td>51 52,0</td><td>3,6</td></tr> <tr><td>53 16,4</td><td>3,6</td></tr> </table> <hr style="width: 50%; margin-left: 0;"/> <p style="margin-left: 20px;">9 47 16,8</p> <p>Cl. Slow 38,1</p> <hr style="width: 50%; margin-left: 0;"/> <p style="margin-left: 20px;">9 47 54,9 S. S. T.</p> <p>or 10 9 24,80 G. M. T.</p>	42 57,6	4,4	44 44,8	4,0	46 35,2	4,0	48 33,2	4,0	50 5,2	3,6	51 52,0	3,6	53 16,4	3,6
18 28,4	16,575																								
21 12,6	17,209																								
26 4,6	16,910																								
28 12,4	17,385																								
30 26,8	17,694																								
42 57,6	4,4																								
44 44,8	4,0																								
46 35,2	4,0																								
48 33,2	4,0																								
50 5,2	3,6																								
51 52,0	3,6																								
53 16,4	3,6																								