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SEPARATE RESULTS  
OF  
OBSERVATIONS  
OF THE FIXED STARS  
MADE WITH THE  
MADRAS MERIDIAN CIRCLE  
IN THE YEAR  
1878

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*Separate Results of Madras Meridian Circle Observations in 1878.*

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
<b>1</b> 21 <i>Andromedæ a</i> , (Alpherat).									<b>10</b> Taylor 107.										
Nov. 9	...	0	2	4.99	...	61	34	59.8	M	Nov. 25	6.0	0	23	24.01	...	131	20	25.8	M
11	...	2	4.98	...	34	58.8	M	Dec. 6	6.0	23	24.10	...	20	25.1	R				R
29	...	2	5.00	...	35	2.3	M	18	6.0	23	24.29	...	20	24.8	R				R
Dec. 6	...	2	5.02	...	35	0.1	R												
<b>2</b> 22 <i>Andromedæ</i> .									<b>11</b> 12 <i>Ceti</i> .										
Nov. 25	5.1	0	3	59.08	...	44	36	24.0	M	Dec. 11	...	0	23	48.82	...	94	37	52.5	R
27	5.0	3	59.04	...	36	23.2	M												
<b>3</b> $\kappa^2$ <i>Sculptoris</i> .									<b>12</b> $\lambda^1$ <i>Pavonis</i> .										
Nov. 26	5.7	0	5	22.70	...	118	23	45.4	M	Nov. 14	5.3	0	25	31.76	...	139	28	42.4	M
28	5.7	5	22.46	...	28	45.3	M												
<b>4</b> 88 <i>Pegasi <math>\gamma</math></i> , <i>Algenib</i> .									<b>13</b> 15 <i>Cassiopeia <math>\kappa</math></i> —1st.										
Nov. 12	...	0	6	57.31	...	75	29	42.9	M	Nov. 21	4.3	0	26	4.65	...	27	44	29.2	M
Dec. 2	...	6	57.22	...	29	39.2	R												
<b>5</b> 7 <i>Ceti</i> .									<b>14</b> Taylor 139.										
Nov. 8	...	0	8	26.48	...	100	36	32.6	M	Nov. 27	5.5	0	27	38.88	...	120	13	50.3	M
<b>6</b> $\zeta$ <i>Tucanæ</i> .									<b>15</b> $\lambda^2$ <i>Phœnicis</i> .										
Nov. 14	5.0	0	13	42.50	...	155	35	31.3	M	Nov. 22	5.5	0	29	51.81	...	188	40	12.6	M
22	5.0	13	42.43	...	35	32.6	M												
<b>7</b> $\pi$ <i>Tucanæ</i> .									<b>16</b> 17 <i>Cassiopeia <math>\zeta</math></i> .										
Nov. 15	4.9	0	14	58.91	...	160	18	9.8	M	Dec. 13	...	0	30	10.74	...	36	46	28.5	R
<b>8</b> $\iota$ <i>Sculptoris</i> .									<b>17</b> 29 <i>Andromedæ <math>\pi</math></i> .										
Nov. 11	5.9	0	15	23.23	...	119	39	23.0	M	Dec. 6	4.6	0	30	21.91	...	56	50	8.9	R
21	5.2	15	23.37	...	39	22.4	M												
Dec. 6	5.1	15	23.22	...	39	23.1	R												
11	5.7	15	23.43	...	39	20.4	R												
13	5.6	15	23.53	...	39	22.9	R												
<b>9</b> $\eta$ <i>Sculptoris</i> .									<b>18</b> Radeliffe 172.										
Nov. 8	5.3	0	21	52.98	...	123	50	52.9	M	Nov. 11	4.9	0	32	25.77	...	41	18	59.9	M
									<b>19</b> Lacaille 172.										
									Nov. 26										
									4.5										
									0 32 25.90										
									...										
									18 58.4										
									M										
									Dec. 11										
									5.6										
									0 32 25.75										
									...										
									18 58.2										
									R										
									<b>20</b> 20 <i>Cassiopeia <math>\pi</math></i> .										
									Nov. 15										
									5.5										
									0 34 42.29										
									...										
									150 8 25.6										
									M										
									Dec. 13										
									5.3										
									0 36 43.03										
									...										
									43 38 34.3										
									R										

*Separate Results of Madras Meridian Circle Observations in 1878.*

Number and Date.	Magnitude.	Mean Right Ascension. 1878.			No. of Wires.	Mean Polar Distance. 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
<b>21</b> $\lambda^1$ <i>Sculptoris.</i>										<b>30</b> <i>37 Andromedæ <math>\mu</math></i>									
Dec. 12	5.4	0	36	50.55	...	129	7	58.2	R	Nov. 15	...	0	40	58.88	...	52	9	45.8	M
<b>22</b> <i>16 Ceti <math>\beta</math></i>										Dec. 9	...	49	59.01	...	...	9	45.8	R	
Nov. 9	...	0	37	27.95	...	108	39	20.8	M	12	...	49	58.97	...	...	9	45.6	R	
14	...	37	27.74	...	...	89	21.9	M	<b>31</b> <i>38 Andromedæ <math>\eta</math></i>										
25	...	37	27.05	...	...	39	21.0	M	Dec. 6	...	0	50	41.42	...	67	14	28.4	R	
27	...	37	27.78	...	...	39	22.9	M	13	...	50	41.50	...	...	14	28.7	R		
28	...	37	27.76	...	...	39	22.8	M	<b>32</b> <i><math>\alpha</math> Sculptoris.</i>										
<b>23</b> <i><math>\eta</math> Phœnicis.</i>										Nov. 14	5.8	0	52	48.53	...	120	1	2.9	M
Nov. 21	5.0	0	37	52.01	...	148	7	57.6	M	Dec. 7	5.0	52	48.80	...	...	1	2.1	R	
<b>24</b> $\lambda^2$ <i>Sculptoris.</i>										14	5.2	52	48.52	4	1	1.8	R		
Dec. 18	5.2	0	38	17.98	...	129	5	38.7	R	21	5.0	52	48.72	...	...	1	1.8	R	
<b>25</b> <i>34 Andromedæ <math>\zeta</math></i>										<b>33</b> <i>71 Piscium <math>\epsilon</math></i>									
Nov. 8	4.9	0	40	52.31	...	66	28	48.6	M	Nov. 9	...	0	58	36.66	...	82	46	1.2	M
Dec. 11	4.6	40	52.24	...	...	28	47.5	R	26	...	56	36.75	...	...	46	1.9	M		
<b>26</b> <i>35 Andromedæ <math>\nu</math></i>										Dec. 6	...	56	36.71	...	...	46	1.6	R	
Nov. 22	4.9	0	43	5.30	...	40	35	9.3	M	7	...	56	36.76	...	...	46	0.9	R	
<b>27</b> <i>19 Ceti <math>\phi^3</math></i>										12	...	56	36.68	...	...	46	1.9	R	
Dec. 6	6.0	0	44	0.79	...	101	18	6.1	R	14	...	56	36.78	...	...	46	1.5	R	
12	5.8	44	0.87	...	...	18	5.6	R	16	...	56	36.79	...	...	46	0.9	R		
21	5.0	44	0.86	...	...	18	4.6	R	18	...	56	36.88	...	...	46	0.0	R		
<b>28</b> <i><math>\rho</math> Phœnicis.</i>										20	...	56	36.78	...	...	46	1.6	R	
Nov. 11	5.6	0	45	7.80	...	141	39	11.7	M	<b>34</b> <i><math>\omega</math> Phœnicis.</i>									
12	5.5	45	7.68	...	...	39	10.2	M	Dec. 9	5.8	0	56	52.13	...	147	39	34.8	R	
Dec. 13	5.7	45	7.78	...	...	39	11.0	R	11	5.8	56	51.06	...	...	39	36.0	R		
<b>29</b> <i>Radcliffe 247.</i>										13	5.7	56	51.09	...	...	39	35.7	R	
Dec. 11	5.4	0	48	9.45	...	41	58	59.5	R	<b>35</b> <i>30 Cassiopeiæ <math>\mu</math></i>									
16	...	48	9.42	...	...	59	0.8	R	Nov. 12	5.4	1	0	9.97	...	35	40	45.8	M	
<b>36</b> <i>41 Andromedæ.</i>										21	5.7	0	<del>10.20</del>	...	...	40	44.2	M	
Nov. 28	5.7	1	1	1.13	...	40	42	30.5	M	<b>36</b> <i>41 Andromedæ.</i>									
Dec. 12	5.4	1	0	0.92	...	...	42	29.7	R	Nov. 28	5.7	1	1	1.13	...	40	42	30.5	M
21	5.1	1	0	0.91	...	...	42	28.7	R	Dec. 12	5.4	1	0	0.92	...	...	42	29.7	R

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Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"		
<b>37</b> 42 <i>Andromedæ</i> $\phi$										<b>45</b> 46 <i>Andromedæ</i> $\xi$										
Dec. 11	...	1	2	25.43	...	43	24	32.9	R	Nov. 21	4.9	1	15	9.54	...	45	6	39.4	M	9.78
<b>38</b> $\zeta$ <i>Phœnicis</i> —2nd.										28    5.0    15    9.63    ...    6    40.0    M    85										
Nov. 11	5.0	1	3	15.31	...	145	53	56.0	M	Dec. 12	4.6	15	9.57	...	6	39.6	R	9.47	86	
15	5.2	3	15.23	6	53	54.5	M	18	4.7	15	9.32	...	6	39.5	R	58	88			
Dec 18	5.0	3	15.24	...	53	57.4	R	<b>46</b> 36 <i>Cassiopeiæ</i> $\psi$												
<b>39</b> 84 <i>Piscium</i> $\chi$										Dec. 11    4.8    1    17    19.75    ...    22    30    25.7    R										
Nov. 22 <sup>a</sup>	5.2	1	4	53.37	...	69	36	53.3	M	21	4.7	17	19.66	...	30	28.0	R			
Dec. 7	5.1	4	53.34	...	36	51.7	R	<b>47</b> 45 <i>Ceti</i> $\theta^1$												
9	5.2	4	53.99	...	36	62.0	R	Nov. 11    ...    1    17    55.45    ...    98    48    46.3    M												
18	5.2	4	53.30	...	36	51.9	R	14    ...    17    55.41    ...    48    45.8    M												
<b>40</b> <i>Taylor</i> 396.										15    ...    17    55.57    ...    48    47.4    M										
Dec. 12	5.8	1	7	8.07	...	128	30	10.9	R	22    ...    17    55.46    ...    48    48.9    M										
<b>41</b> 37 <i>Ceti</i> .										Dec. 6    ...    17    55.52    ...    47    47.1    R										
Dec. 11	5.6	1	8	15.02	...	98	34	43.4	R	9    ...    17    55.60    ...    48    45.7    R										
21	5.5	8	15.20	...	34	43.7	R	16    ...    17    55.48    ...    48    47.7    R												
<b>42</b> $\nu$ <i>Phœnicis</i> .										20    ...    17    55.51    ...    48    47.5    R										
Nov. 26	5.0	1	9	40.62	...	136	11	2.3	M	<b>48</b> $e^2$ <i>Phœnicis</i> .										
<b>43</b> <i>Lacaille</i> 361.										Dec. 7    ...    1    19    16.77    ...    132    7    39.6    R										
Dec. 13	6.2	1	12	49.45	...	157	2	32.3	R	<b>49</b> 46 <i>Ceti</i> .										
<b>44</b> 1 <i>Ursæ Minoris</i> $\alpha$ , ( <i>Polaris</i> ).										Nov. 26    5.3    1    19    37.23    5    105    14    1.5    M										
Nov. 25	...	1	14	1.99	2	1	20	27.4	M	<b>50</b> 94 <i>Piscium</i> .										
27	...	14	2.22	3	20	28.1	M	Dec. 12    5.0    1    20    6.40    5    71    23    33.4    R												
1 <i>Ursæ Minoris</i> $\alpha$ , ( <i>Polaris</i> )— <i>s.p.</i>										<b>51</b> 48 <i>Andromedæ</i> $\omega$										
May 25	...	1	14	1.93	3	1	20	29.1	M	Dec. 13    5.1    1    20    21.50    ...    45    13    24.2    R										
31	...	14	1.57	3	20	29.6	M	<b>52</b> 49 <i>Andromedæ</i> $\Lambda$ .												
June 15	...	14	2.31	3	20	25.1	M	Dec. 14    5.2    1    22    47.33    ...    43    37    22.5    R												
July 6	...	14	2.43	3	20	28.9	C. R.													

Dec!

9.78  
85  
9.47  
86  
58  
88

Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
<b>53</b> 99 <i>Piscium</i> $\eta$										<b>61</b> <i>Lacaille</i> 499.									
Jan. 4	...	1	24	57.35	...	75	17	1.8	M	Dec. 31	7.0	1	34	48.70	6	156	11	55.0	R
5	...	24	57.35	...		17	1.0	M											
8	...	24	57.39	...		17	3.1	M											
Nov. 12	...	24	57.17	...		17	1.3	M											
Dec. 9	...	24	57.32	...		17	1.4	R											
11	...	24	57.25	...		17	0.0	R											
18	...	24	57.33	...		17	0.8	R											
20	...	24	57.35	...		17	2.0	R											
<b>54</b> <i>Taylor</i> 502.										<b>62</b> 106 <i>Piscium</i> $\nu$									
Nov. 21	5.7	1	27	28.09	...	127	29	31.2	M	Jan. 5	...	1	35	4.81	...	85	7	48.1	M
28	5.9	27	28.82	...		29	30.6	M		.7	...	35	4.81	...		7	48.6	M	
Dec. 13	5.7	27	28.76	...		29	33.6	R		8	...	35	4.91	...		7	48.8	M	
21	6.0	27	28.07	...		29	29.0	R		9	...	35	4.88	...		7	47.4	M	
										10	...	35	4.83	...		7	47.6	M	
										Nov. 8	...	35	4.92	...		7	49.0	M	
										Dec. 9	...	35	4.81	...		7	47.5	R	
										12	...	35	4.92	...		7	47.6	R	
										21	...	35	4.96	...		7	48.5	R	
<b>55</b> <i>Taylor</i> 504.										<b>63</b> <i>p Eridani</i> —1st.									
Dec. 7	5.6	1	27	36.47	...	140	21	8.5	R	Dec. 13	5.7	1	35	9.66	5	146	48	56.9	R
<b>56</b> 49 <i>Ceti</i> .										<b>64</b> 54 <i>Andromedæ</i> .									
Dec. 12	5.8	1	28	40.22	...	106	18	7.9	R	Dec. 14	4.4	1	36	1.00	...	39	55	37.9	R
16	...	28	39.99	...		18	6.5	R											
<b>57</b> 50 <i>Andromedæ</i> $\nu$										<b>65</b> $\psi$ <i>Phœnicis</i> .									
Dec. 14	...	1	29	38.21	...	49	12	19.6	R	Dec. 16	6.0	1	36	5.83	...	128	45	8.0	R
18	...	29	38.42	...		12	20.1	R											
<b>58</b> 51 <i>Andromedæ</i> .										<b>66</b> $q^1$ <i>Eridani</i> .									
Dec. 11	4.0	1	30	30.36	...	41	59	25.6	R	Dec. 11	5.8	1	37	47.18	...	144	21	8.6	R
20	3.7	30	30.52	...		59	22.8	R											
<b>59</b> <i>Taylor</i> 543.										<b>67</b> $\epsilon$ <i>Sculptoris</i> .									
Nov. 26	5.4	1	33	2.25	...	127	8	43.4	M	Nov. 25	5.4	1	39	55.76	...	115	39	46.4	M
27	5.5	33	2.32	...		8	42.5	M	28	5.5	39	55.98	...		39	45.9	M		
<b>60</b> 53 <i>Andromedæ</i> $\tau$										<b>68</b> <i>Taylor</i> 587.									
Nov. 22	5.4	1	33	22.85	...	50	2	29.3	M	Dec. 7	5.3	39	55.80	...		39	46.2	R	
Dec. 7	5.0	33	22.80	...		2	28.9	R	12	5.4	39	55.79	4		39	45.7	R		
28	5.0	33	22.68	...		2	29.9	R	18	5.6	39	55.92	...		39	45.2	R		
<b>69</b> 55 <i>Ceti</i> $\chi$										<b>69</b> 55 <i>Ceti</i> $\chi$									
Nov. 27	...	1	43	35.52	...	101	17	21.0	M	Dec. 13	5.7	1	41	18.90	...	141	25	35.3	R
										28	5.5	41	18.68	...		25	38.1	R	

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36.5/

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25.0

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Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		°	'	"	
<b>70</b> <i>2 Trianguli a</i>									
Dec. 11	3.6	1 46	7.64	...	61	0	58.8	R	
12	3.6	46	7.71	...		1	0.3	R	
14	4.0	46	7.76	...		1	0.6	R	
<b>71</b> <i>5 Arietis γ<sup>1</sup>—South.</i>									
Dec. 21	4.6	1 46	50.18	...	71	18	18.5	R	
<b>72</b> <i>5 Arietis γ<sup>2</sup>—North.</i>									
Dec. 20	4.6	1 46	50.31	...	71	18	9.9	R	
<b>73</b> <i>6 Arietis β</i>									
Jan. 5	...	1 47	54.13	...	69	47	22.0	M	
7	...	47	54.17	...		47	21.4	M	
8	...	47	54.00	...		47	22.1	M	
9	...	47	54.14	...		47	21.5	M	
10	...	47	54.08	...		47	21.3	M	
Nov. 21	...	47	54.16	...		47	22.0	M	
26	...	47	54.08	...		47	22.2	M	
Dec. 13	...	47	54.03	...		47	21.8	R	
16	...	47	54.03	..		47	21.5	R	
<b>74</b> <i>Taylor 629.</i>									
Dec. 7	5.0	1 48	45.46	...	136	54	1.7	R	
28	5.0	48	45.40	...		54	3.3	R	
<b>75</b> <i>φ Phœnicis.</i>									
Dec. 18	5.0	1 49	18.21	...	133	5	46.5	R	
<b>76</b> <i>η<sup>1</sup> Hydri.</i>									
Dec. 31	7.5	1 49	29.32	...	158	32	45.8	R	
<b>77</b> <i>Taylor 646.</i>									
Nov. 27	5.5	1 52	19.80	...	137	58	54.4	M	
28	5.5	52	19.80	...		58	53.7	M	
<b>78</b> <i>59 Ceti v</i>									
Dec. 11	...	1 54	15.31	...	111	40	10.8	R	
12	...	54	15.38	...		40	11.4	R	
<b>79</b> <i>113 Piscium α—2nd.</i>									
Nov. 22	3.9	1 55	43.73	...	87	49	32.7	M	
Dec. 13	3.5	55	43.85	...		49	35.3	R	
18	3.9	55	43.97	...		49	34.0	R	
20	4.0	55	43.81	...		49	35.6	R	
<b>80</b> <i>ν Fornacis.</i>									
Dec. 11	5.7	1 59	1.11	...	119	52	57.9	R	
21	5.7	59	1.16	...		52	57.7	R	
<b>81</b> <i>13 Arietis α</i>									
Jan. 7	...	2 0	17.83	...	67	6	56.2	M	
9	...	0	17.81	...		6	55.1	M	
10	...	0	17.91	...		6	56.6	M	
11	...	0	17.78	...		6	55.1	M	
14	...	0	17.78	...		6	56.0	M	
15	...	0	17.74	...		6	56.4	M	
Nov. 25	...	0	18.04	...		6	54.4	M	
Dec. 7	...	0	17.78	...		6	54.3	R	
14	...	0	17.83	...		6	56.2	R	
28	...	0	17.86	...		6	56.3	R	
31	...	0	17.77	...		6	54.6	R	
<b>82</b> <i>8 Trianguli δ</i>									
Jan. 5	...	2 9	36.48	...	56	20	6.7	M	
7	...	9	36.39	...		20	6.7	M	
<b>83</b> <i>67 Ceti.</i>									
Nov. 15	...	2 10	53.77	...	96	59	5.3	M	
27	...	10	53.95	...		59	6.2	M	
28	...	10	53.96	...		59	5.6	M	
Dec. 7	...	10	53.96	...		59	4.3	R	
11	...	10	53.82	...		59	4.8	R	
13	...	10	53.88	...		59	4.1	R	
21	...	10	53.83	...		59	4.3	R	
31	...	10	53.88	...		59	5.2	R	
<b>84</b> <i>π<sup>1</sup> Hydri.</i>									
Jan. 8	5.7	2 11	41.95	...	158	24	45.1	M	
9	6.0	11	41.88	...		24	43.6	M	
10	5.8	11	42.04	...		24	45.0	M	

## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
<b>85</b> $\pi^2$ <i>Hydri.</i>									<b>92</b> $\kappa$ <i>Eridani.</i>										
Jan. 11	5.5	2	12	56.68	...	158	18	46.2	M	Dec. 20	4.6	2	22	30.90	...	138	15	7.5	R
14	5.7		12	56.55	...		18	44.7	M	31	5.0		22	30.70	...		15	6.2	R
15	5.8		12	56.53	...		18	43.9	M	<b>93</b> $\gamma$ <i>Ceti.</i>									
16	5.7		12	56.61	...		18	45.8	M	Dec. 12	5.7	2	25	56.97	...	91	34	30.3	R
<b>86</b> $\eta$ <i>Persæi</i>									<b>94</b> $\delta$ <i>Ceti</i>										
Nov. 26	5.6	2	13	51.37	...	34	42	48.4	M	Dec. 11	5.2	2	26	18.02	...	105	46	52.3	R
Dec. 13	5.2		13	51.42	...		42	50.0	R	21	5.0		26	18.01	...		46	50.5	R
14	5.3		13	51.40	...		42	50.0	R	<b>95</b> $\nu$ <i>Ceti</i>									
18	5.3		13	51.34	...		42	47.1	R	Nov. 22	4.7	2	29	28.85	...	84	56	24.4	M
20	5.4		13	51.21	...		42	48.6	R	28	4.9		29	28.80	...		56	24.1	M
<b>87</b> <i>Taylor 798.</i>									<b>96</b> $\zeta$ <i>Ceti.</i>										
Jan. 9	5.7	2	17	24.86	...	133	45	30.8	M	Nov. 16	...	2	31	33.06	...	98	55	31.8	M
10	5.6		17	24.70	...		45	30.8	M	Dec. 18	5.7		31	33.00	...		55	31.6	R
17	5.7		17	24.81	...		45	31.8	M	<b>97</b> $\theta$ <i>Horologii.</i>									
<b>88</b> <i>Taylor 810.</i>									<b>98</b> $\epsilon$ <i>Ceti</i>										
Nov. 27	5.6	2	18	37.08	...	141	38	58.2	M	Dec. 12	5.7	2	33	22.80	...	143	4	19.2	R
Dec. 13	5.7		18	36.92	...		38	59.2	R	21	5.7		33	22.75	...		4	17.6	R
21	5.8		18	36.98	...		38	56.8	R	<b>99</b> <i>Taylor 906.</i>									
<b>89</b> <i>Radcliffe 706.</i>									<b>99</b> $\theta$ <i>Persei</i>										
Jan. 5	4.5	2	19	1.96	...	23	8	50.3	M	Dec. 20	4.4	2	35	52.35	...	41	17	20.8	R
7	4.4		19	2.10	...		8	50.9	M	<b>100</b> $\theta$ <i>Persei</i>									
8	4.5		19	2.07	...		8	51.0	M	Dec. 20	4.4	2	35	52.35	...	41	17	20.8	R
<b>90</b> $\rho$ <i>Ceti</i>									<b>101</b> $\alpha$ <i>Arietis.</i>										
Dec. 7	5.0	2	20	3.25	...	102	50	29.5	R	Dec. 7	4.5	2	36	17.78	...	62	48	45.8	R
11	5.2		20	3.24	4		50	29.9	R	14	4.5		36	17.69	...		48	47.6	R
<b>91</b> $\xi^2$ <i>Ceti</i>																			
Dec. 14	...	2	21	40.40	...	82	5	14.8	R										
18	...		21	40.29	...		5	13.8	R										
28	...		21	40.43	...		5	15.6	R										

## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
<b>102</b> 86 Ceti $\gamma$ -2nd.									<b>111</b> 6 Eridani.										
Jan. 4	...	2	36	58.82	...	87	16	45.7	M	Dec. 7	5.6	2	52	40.18	...	114	5	49.1	R
11	...	36	58.79	...		16	47.1	M	14	6.0	52	40.12	...		5	52.0	R		
14	...	36	58.73	...		16	46.5	M	<b>112</b> 92 Ceti $\alpha$ , Menhar.										
17	...	36	58.84	...		16	45.5	M	Jan. 4	...	2	55	54.07	...	86	23	23.3	M	
Nov. 15	...	36	58.74	...		16	46.2	M	14	...	55	54.25	...		23	21.3	M		
Dec. 28	...	36	58.69	...		16	46.1	R	15	...	55	54.18	...		23	22.6	M		
<b>103</b> 1 Eridani $\tau^1$									<b>113</b> 23 Persei $\gamma$										
Dec. 11	4.8	2	39	24.61	...	109	5	23.5	R	Dec. 18	3.6	2	55	57.86	...	86	58	21.1	R
13	4.9	39	24.65	...		5	24.7	R	<b>114</b> 10 Eridani $\rho^3$										
<b>104</b> 39 Arietis.									<b>115</b> 27 Persei $\kappa$										
Dec. 12	4.6	2	40	38.77	...	61	15	41.1	R	Dec. 20	...	3	1	16.19	...	45	36	24.0	R
21	4.1	40	38.75	...		15	38.8	R	23	...	1	15.91	...		36	23.6	R		
<b>105</b> $\gamma$ Fornacis.									<b>116</b> 28 Persei $\omega$										
Dec. 14	6.0	2	44	26.70	...	115	3	45.8	R	Dec. 13	5.3	3	3	25.08	...	50	51	11.4	R
20	5.8	44	26.67	...		3	46.2	R	18	5.1	3	24.96	...		51	10.9	R		
<b>106</b> $\eta$ Fornacis.									<b>117</b> R. P. L. 33.										
Nov. 16	5.9	2	45	18.74	...	126	21	0.6	M	Jan. 5	...	3	3	43.33	3	5	31	34.5	M
Dec. 28	5.5	45	18.78	...		21	1.2	R	8	...	3	43.05	3		31	34.4	M		
<b>107</b> 2 Eridani $\tau^2$									<b>118</b> 57 Arietis $\delta$										
Dec. 13	4.8	2	45	30.08	...	111	30	28.9	R	Jan. 11	...	3	4	39.30	...	70	44	11.1	M
21	4.6	45	30.11	...		30	26.6	R	15	...	4	39.34	...		44	11.0	M		
<b>108</b> $\eta^3$ Fornacis.									<b>119</b> Lacaille 943.										
Dec. 7	5.7	2	45	44.67	...	126	10	43.9	R	Dec. 12	5.8	2	49	6.97	...	158	1	25.9	R
<b>109</b> Lacaille 943.									<b>110</b> 4 Eridani.										
Dec. 12	5.8	2	49	6.97	...	158	1	25.9	R	Dec. 11	5.7	2	51	58.13	...	114	21	9.3	R
<b>110</b> 4 Eridani.									<b>111</b> 6 Eridani.										
Dec. 20	5.9	51	58.21	...		21	9.4	R	15	...	4	39.34	...		44	11.0	M		
28	5.6	51	58.00	...		21	9.2	R	Dec. 12	...	4	39.22	...		44	10.1	R		



## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
<b>119</b> 95 Ceti.										<b>128</b> Lacaille 1164.									
Dec. 13	5.7	8	12	7.92	...	91	22	38.6	R	Dec. 7	5.8	3	29	36.28	5	156	54	12.4	R
18	5.7		12	8.03	...		22	32.0	R	28	5.6		29	36.37	...		54	12.9	R
<b>120</b> 96 Ceti $\kappa^1$										<b>129</b> 10 Tauri.									
Dec. 31	...	3	12	57.80	...	87	4	41.7	R	Dec. 11	5.0	3	30	38.87	...	89	59	10.0	R
										14	4.8		30	38.84	...		59	11.7	R
										18	4.5		30	38.79	...		59	10.8	R
<b>121</b> 15 Eridani.										<b>130</b> 22 Eridani.									
Dec. 21	...	3	12	58.35	...	112	57	28.2	R	Dec. 21	5.6	3	34	35.88	...	95	36	19.6	R
<b>122</b> $\epsilon$ Eridani.										<b>131</b> 40 Persei $\sigma$									
Dec. 12	4.6	3	15	3.59	...	138	32	15.3	R	Dec. 28	...	3	36	40.15	...	58	6	0.0	R
28	4.6		15	3.61	...		32	14.4	R	<b>132</b> 25 Tauri $\eta$ , Aleyone.									
<b>123</b> Radcliffe 956.										Jan. 16	...	3	40	14.01	...	66	16	27.2	M
Dec. 11	4.3	3	19	11.87	...	30	29	12.6	R	17	...		40	14.02	...		16	26.1	M
18	4.3		19	11.90	...		29	12.6	R	18	...		40	14.12	...		16	25.0	M
<b>124</b> Radcliffe 969.										21	...		40	14.02	...		16	25.5	M
Dec. 12	5.4	3	20	4.11	...	34	58	18.2	R	22	...		40	14.02	...		16	26.8	M
<b>125</b> 35 Persei $\sigma$										23	...		40	14.03	...		16	27.6	M
Dec. 14	...	3	21	53.59	...	42	25	40.0	R	24	...		40	14.04	...		16	27.1	M
<b>126</b> R. P. L. 34.										26	...		40	14.02	...		16	27.7	M
Jan. 18	...	3	26	42.25	2	3	44	27.0	M	<b>133</b> 28 Tauri, Pleione.									
22	...		26	41.65	3		44	20.1	M	Dec. 21	5.6	3	41	55.66	...	66	14	13.7	R
26	...		26	42.11	3		44	30.0	M	<b>134</b> 44 Persei $\zeta$									
<b>R. P. L. 34—s.p.</b>										Dec. 14	3.6	3	46	27.32	...	58	23	50.1	R
July 9	...	3	26	42.21	3	3	44	30.8	C. R.	<b>135</b> 32 Eridani—South.									
<b>127</b> 37 Persei $\psi$										Dec. 20	5.0	3	48	9.78	...	98	19	1.3	R
Dec. 13	...	3	27	49.23	...	42	12	52.1	R	31	5.0		48	9.84	...		18	59.9	R
21	...		27	49.18	...		12	51.4	R	<b>136</b> $\nu^3$ Eridani.									
										Dec. 11	5.2	3	49	0.08	...	125	5	39.5	R

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## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.	Nc. of Wires.	Mean Polar Distance 1878.	Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.	Nc. of Wires.	Mean Polar Distance 1878.	Observer.
		h. m. s.		° ' "				h. m. s.		° ' "	
<b>137</b> 45 <i>Persæ</i> $\epsilon$						<b>145</b> $\surd$ <i>Horologii</i> —1st.					
Dec. 21	3.6	3 49 40.02	...	50 20 39.2	R	Dec. 28	5.2	4 15 24.71	...	134 38 40.3	R
<b>138</b> 34 <i>Eridani</i> $\gamma^1$						<b>146</b> $\theta$ <i>Reticuli</i> .					
Jan. 16	...	3 52 20.32	...	108 51 25.9	M	Jan. 19	5.5	4 16 19.07	...	153 33 9.7	M
21	...	52 20.27	...	51 24.1	M	22	5.5	16 18.77	...	33 7.9	M
22	...	52 20.26	...	51 24.4	M	23	5.8	16 18.92	...	33 8.7	M
23	...	52 20.20	...	51 23.9	M	Feb. 5	5.0	16 18.92	...	33 7.2	R
24	...	52 20.18	...	51 25.3	M	6	5.0	16 18.98	...	33 7.3	R
26	...	52 20.15	...	51 26.0	M	<b>147</b> 74 <i>Tauri</i> $\epsilon$					
28	...	52 20.13	...	51 24.6	M	Jan. 25	...	4 21 29.59	...	71 5 31.2	M
29	...	52 20.19	...	51 24.1	M	28	...	21 29.66	...	5 32.3	M
<b>139</b> 36 <i>Eridani</i> $\tau^0$						<b>148</b> 78 <i>Tauri</i> $\theta^2$					
Dec. 14	...	3 54 48.26	4	114 21 48.5	R	Dec. 28	...	4 21 41.22	...	74 24 39.1	R
<b>140</b> 38 <i>Tauri</i> $\nu$						<b>149</b> $\delta$ <i>Casti</i> .					
Dec. 21	5.1	3 56 39.97	...	84 21 0.3	R	Jan. 17	5.5	4 27 6.31	...	135 13 1.6	M
<b>141</b> <i>R. P. L.</i> 35.						<b>150</b> 87 <i>Tauri</i> $\alpha$ , <i>Aldebaran</i> .					
Dec. 28	...	3 58 48.84	3	4 46 9.4	R	Jan. 30	...	4 28 55.30	...	73 44 17.2	M
<i>R. P. L.</i> 35—s.p.						<b>151</b> $\beta$ <i>Casti</i> .					
July 13	...	3 58 49.68	5	4 46 12.3	C. R.	Jan. 18	5.2	4 37 44.73	...	127 23 2.6	M
<b>142</b> 38 <i>Eridani</i> $\sigma^1$						<b>152</b> $\gamma$ <i>Casti</i> .					
Jan. 25	...	4 5 54.60	...	97 9 22.7	M	Jan. 18	5.2	4 37 44.73	...	127 23 2.6	M
<b>143</b> 51 <i>Persæ</i> $\mu$						<b>153</b> $\delta$ <i>Casti</i> .					
Dec. 20	4.6	4 5 56.42	3	41 54 10.4	R	Jan. 18	5.5	37 44.53	...	23 2.8	M
28	4.6	5 56.47	...	54 8.9	R	25	5.5	37 44.64	...	23 1.5	M
<b>144</b> $\delta$ <i>Horologii</i> .						<b>154</b> $\epsilon$ <i>Casti</i> .					
Jan. 17	5.0	4 6 44.45	...	132 18 48.6	M	Jan. 18	5.0	37 44.64	...	23 1.9	R
18	5.0	6 44.19	...	18 46.1	M	4	5.0	37 44.73	...	23 2.3	R
19	5.1	6 44.40	...	18 45.7	M						
Feb. 2	5.0	6 44.17	...	18 45.2	R						
4	5.0	6 44.34	...	18 46.6	R						



## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
<b>164</b> $\kappa$ Pictoris.									<b>170</b> 39 Orionis $\lambda$ —1st.										
Jan. 18	5.5	5	20	7.50	...	146	14	56.6	M	Jan. 26	4.0	5	28	25.03	...	80	8	58.0	M
Feb. 4	5.0		20	7.48	...		14	58.7	R	30	4.0		28	25.11	...		8	56.3	M
	5	5.0	20	7.47	...		14	58.9	R	Feb. 2	4.0		28	25.18	...		8	57.0	R
	7	5.0	20	7.44	...		14	55.8	R	6	4.0		28	25.02	...		8	55.9	R
	12	5.0	20	7.47	...		14	56.5	R	11	4.0		28	24.91	...		8	57.0	R
<b>165</b> $\theta$ Pictoris—2nd.									<b>171</b> 46 Orionis $\epsilon$										
Jan. 24	6.0	5	22	0.31	...	142	25	22.1	M	Feb. 12	...	5	30	1.35	...	91	16	53.0	R
Feb. 8	5.3		22	0.38	...		25	24.3	R	16	...		30	1.36	...		16	51.6	R
	13	5.5	22	0.33	...		25	22.9	R	20	...		30	1.24	...		16	51.9	R
	14	5.5	22	0.18	...		25	24.0	R	<b>172</b> 40 Orionis $\phi^2$									
	15	5.5	22	0.24	...		25	23.4	R	Jan. 22	4.8	5	30	12.15	...	80	46	36.3	M
<b>166</b> R. P. L. 40.									<b>173</b> $\alpha$ Columbæ.										
Jan. 29	...	5	23	3.79	3	4	52	14.2	M	Jan. 18	...	5	35	13.79	...	124	8	24.3	M
	31	...	23	3.84	3		52	14.2	M	Mar. 5	...		35	13.97	...		8	23.1	M
Feb. 9	...	23	4.77	3		52	15.1	R	<b>174</b> 14 Leporis $\zeta$										
16	...	23	4.41	3		52	13.8	R	Jan. 22	...	5	41	25.53	...	104	52	6.7	M	
20	...	23	4.69	3		52	14.2	R	25	...		41	25.41	...		52	5.9	M	
<b>R. P. L. 40—s.p.</b>									<b>175</b> $\mu$ Columbæ.										
Aug. 19	...	5	23	3.81	3	4	52	14.7	R	Jan. 23	5.5	5	41	27.95	...	122	21	15.6	M
<b>167</b> 34 Orionis $\delta$ , Var. 1.									<b>176</b> $\beta$ Pictoris.										
Feb. 5	...	5	25	46.42	...	90	23	24.5	R	Jan. 24	4.4	5	44	23.98	...	141	6	40.6	M
21	...		25	46.47	...		23	25.5	R	31	4.6		44	23.94	...		6	41.1	M
<b>168</b> 11 Leporis $\alpha$									<b>177</b> $\gamma$ Pictoris.										
Feb. 14	...	5	27	20.96	...	107	54	38.5	R	Feb. 7	4.5		44	23.89	3		6	40.4	R
<b>169</b> 37 Orionis $\phi^1$									<b>178</b> $\delta$ Pictoris.										
Jan. 23	4.6	5	28	7.24	...	80	35	42.2	M	9	4.5		44	23.78	...		6	42.8	R
25	4.6		28	7.28	...		35	38.2	M	11	4.5		44	23.88	...		6	40.9	R
Feb. 1	4.5		28	7.47	...		35	40.2	R										
4	4.5		28	7.43	...		35	39.2	R										
7	4.5		28	7.48	...		35	39.9	R										

## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
<b>177</b> $\delta$ Doradus.										<b>182</b> $\epsilon$ Doradus.									
Jan. 20	4.4	5	44	39.48	...	155	46	52.8	M	Jan. 26	5.5	5	50	1.50	...	156	55	55.2	M
Feb. 8	4.5	44	33.35	...		46	54.1	R	28	5.2	50	1.53	...		55	54.3	M		
12	4.5	44	33.43	...		46	56.5	R	Feb. 11	5.0	50	1.43	...		55	52.9	R		
14	4.5	44	33.36	...		46	58.1	R	12	5.0	50	1.42	...		55	55.7	R		
16	4.5	44	33.32	...		46	54.6	R	14	5.0	50	1.48	...		55	53.2	R		
<b>178</b> 15 Leporis $\delta$										<b>183</b> 61 Orionis $\mu$									
Jan. 30	...	5	46	4.31	...	110	53	27.4	M	Jan. 22	5.2	5	55	40.21	...	80	21	15.2	M
Feb. 4	...	46	4.47	...		53	24.7	R	29	5.0	55	40.34	...		21	14.3	M		
6	...	46	4.53	...		53	24.0	R	Feb. 1	5.0	55	40.47	...		21	15.2	R		
13	...	46	4.40	...		53	25.6	R	2	5.0	55	40.33	...		21	13.9	R		
15	...	46	4.53	...		53	25.2	R	5	5.0	55	40.44	...		21	14.6	R		
<b>179</b> $\gamma$ Pictoris.										<b>184</b> R. P. L. 43.									
Feb. 1	4.5	5	47	36.78	...	146	11	52.0	R	Feb. 4	...	5	58	14.66	3	3	14	15.4	R
5	4.5	47	36.77	...		11	50.9	R	6	...	58	15.51	3		14	15.0	R		
19	4.6	47	36.71	...		11	51.5	R	13	...	58	14.51	3		14	16.6	R		
Mar. 4	4.8	47	36.69	...		11	51.8	M	25	...	58	14.57	3		14	14.0	R		
5	...	47	36.86	...		11	52.4	M	<b>R. P. L. 43—s.p.</b>										
<b>180</b> 58 Orionis $\alpha$ , Var. 2, Betelgeux.										Aug. 15	...	5	58	18.62	3	3	14	12.3	R
Jan. 18	...	5	48	34.16	...	82	37	2.1	M	<b>185</b> 67 Orionis $\nu$									
19	...	48	34.07	...		37	1.0	M	Feb. 2	...	6	0	36.36	...	75	13	5.2	R	
Feb. 9	...	48	33.94	...		37	0.9	R	20	...	0	36.48	...		13	4.1	R		
Mar. 6	...	48	33.99	...		37	0.9	M	22	...	0	36.36	...		13	5.3	R		
7	...	48	34.11	...		37	1.2	M	26	...	0	36.40	...		13	5.6	R		
8	...	48	34.05	...		37	0.1	M	Mar. 2	...	0	36.42	...		13	5.3	R		
9	...	48	34.06	...		37	1.6	M	11	...	0	36.47	...		13	7.4	M		
12	...	48	33.95	...		37	0.5	M	12	...	0	36.49	...		13	6.6	M		
<b>181</b> $\lambda$ Columbæ.										13	...	0	36.48	...		13	6.6	M	
Jan. 31	5.2	5	48	40.94	...	123	49	43.9	M	<b>186</b> 18 Leporis $\theta$									
Feb. 2	5.0	48	41.08	...		49	44.8	R	Jan. 23	4.6	6	0	37.98	...	104	55	33.7	M	
18	5.0	48	40.92	...		49	44.8	R	Feb. 7	4.5	0	38.04	...		55	31.3	R		
20	5.0	48	41.08	...		49	43.8	R	9	4.6	0	38.09	...		55	30.2	R		
22	5.0	48	41.15	...		49	46.9	R	14	4.6	0	38.04	...		55	32.1	R		
										15	4.6	0	38.13	...		55	31.9	R	

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		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
<b>187</b> $\pi^1$ Columbae.									<b>193</b> $\nu$ Doradus.										
Jan. 25	5.6	6	2	54.86	...	132	17	3.7	M	Feb. 5	5.6	6	9	31.14	...	158	40	0.6	R
30	5.7	2	54.69	...		17	2.8	M	12	5.5	9	31.10	...		49	0.3	R	R	
Feb. 5	5.7	2	54.80	...		17	1.2	R	19	5.5	9	31.27	...		49	1.7	R	R	
8	5.6	2	54.81	...		17	3.2	R	Mar. 11	5.7	9	31.19	...		49	1.8	M	M	
11	5.7	2	54.72	...		17	3.3	R											
<b>188</b> $\theta$ Columbae.									<b>194</b> $\eta^2$ Doradus.										
Jan. 28	5.4	6	3	20.64	...	127	14	11.8	M	Jan. 23	5.5	6	10	59.55	...	155	33	40.5	M
31	5.3	3	20.44	...		14	10.0	M	24	5.4	10	59.66	...		33	39.9	M	M	
Feb. 12	5.0	3	20.68	...		14	6.9	R	31	5.3	10	59.51	...		33	39.9	M	M	
18	5.0	3	20.61	...		14	7.9	R	Feb. 1	5.5	10	59.72	...		33	39.8	R	R	
21	5.0	3	20.62	...		14	9.2	R	11	5.6	10	59.59	...		33	39.1	R	R	
<b>189</b> $\pi^2$ Columbae.									<b>195</b> $\kappa$ Columbae.										
Jan. 26	5.4	6	4	5.71	...	132	8	9.5	M	Jan. 21	4.6	6	12	12.84	...	125	6	3.5	M
Feb. 13	5.5	4	5.58	...		8	8.4	R	25	4.4	12	12.60	...		6	3.5	M	M	
16	5.6	4	5.50	...		8	8.4	R	29	4.6	12	12.63	...		6	4.0	M	M	
19	5.5	4	5.59	...		8	6.8	R	Feb. 2	4.5	12	12.52	...		6	5.5	R	R	
Mar. 5	5.9	4	5.73	...		8	8.3	M	9	4.6	12	12.63	...		6	3.2	R	R	
<b>190</b> 70 Orionis $\xi$									<b>196</b> 13 Geminorum $\mu$										
Jan. 22	...	6	5	0.14	...	75	45	57.1	M	Jan. 19	...	6	15	34.87	...	67	25	35.3	M
29	...	5	0.04	...		45	56.5	M	28	...	15	34.71	...		25	33.6	M	M	
Feb. 1	...	5	0.27	...		45	56.1	R	28	...	15	34.77	...		25	33.2	M	M	
4	...	5	0.09	...		45	55.3	R	Feb. 6	...	15	34.81	...		25	31.9	R	R	
6	...	5	0.30	...		45	54.0	R	7	...	15	34.86	...		25	33.1	R	R	
<b>191</b> 44 Aurigae $\kappa$									<b>197</b> $\lambda$ Canis Majoris.										
Feb. 7	4.0	6	7	36.20	...	60	27	29.8	R	Feb. 1	4.5	6	23	38.98	...	122	30	16.1	R
9	4.2	7	36.33	...		27	29.1	R	2	4.5	23	38.84	...		30	15.1	R	R	
14	4.0	7	36.14	...		27	30.8	R	5	4.5	23	38.71	...		30	15.7	R	R	
Mar. 4	4.4	7	36.29	...		27	31.5	M	15	4.5	23	38.79	...		30	14.7	R	R	
6	4.5	7	36.40	...		27	32.2	M	Mar. 1	4.6	23	39.02	...		30	15.0	R	R	
<b>192</b> 5 Monocerotis.									<b>198</b> 30 Canis Majoris.										
Feb. 8	4.6	6	8	54.52	...	96	14	19.6	R	Feb. 1	4.5	6	23	38.98	...	122	30	16.1	R
13	4.5	8	54.30	...		14	19.4	R	2	4.5	23	38.84	...		30	15.1	R	R	
15	4.5	8	54.41	...		14	19.2	R	5	4.5	23	38.71	...		30	15.7	R	R	
18	4.5	8	54.40	...		14	20.0	R	15	4.5	23	38.79	...		30	14.7	R	R	
Mar. 8	4.6	8	54.36	...		14	19.7	M	Mar. 1	4.6	23	39.02	...		30	15.0	R	R	
										2	5.0	23	38.98	...		30	16.0	R	R

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		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
<b>198</b> $\pi^1$ Doradüs.									Feb. 11	...	6	30	39.94	...	78	29	53.0	R	
Feb. 4	5.5	6	23	47.48	...	159	55	0.1	R	15	...	30	39.80	...	29	54.3	R		
7	5.5	23	47.52	...	54	59.6	R	16	...	30	39.78	...	29	54.0	R				
9	5.6	23	47.40	...	54	57.2	R	18	...	30	39.88	...	29	55.2	R				
16	5.6	23	47.48	...	55	1.0	R	22	...	30	39.78	...	29	54.1	R				
Mar. 4	5.7	23	47.61	...	55	1.4	M	23	...	30	39.83	...	29	53.3	R				
Mar. 1	...	...	...	...	...	...	...	...	...	30	39.76	...	29	54.3	R				
<b>199</b> $\pi^2$ Doradüs.									<b>204</b> $\gamma$ Canis Majoris $\nu^2$										
Feb. 8	5.5	6	26	30.91	...	159	37	18.1	R	Feb. 13	...	6	31	21.57	...	109	9	10.3	R
12	5.5	26	30.92	...	37	14.5	R	14	...	31	21.65	...	9	10.2	R				
14	5.5	26	31.12	...	37	13.4	R	Mar. 13	...	31	21.63	...	9	10.3	M				
Mar. 7	5.7	26	30.99	...	37	15.2	M	15	...	31	21.62	...	9	10.6	M				
9	5.8	26	31.12	...	37	15.4	M	<b>205</b> $\delta$ Canis Majoris $\nu^3$											
<b>200</b> $\delta$ Canis Majoris $\xi^1$									Feb. 6	...	6	32	31.20	...	108	7	57.6	R	
Feb. 6	...	6	26	46.34	...	113	19	54.4	R	12	...	32	31.43	...	7	57.8	R		
11	...	26	46.23	...	19	55.3	R	Mar. 5	...	32	31.45	...	7	57.2	M				
13	...	26	46.32	...	19	54.3	R	6	...	32	31.47	...	7	58.1	M				
Mar. 5	...	26	46.49	...	19	55.0	M	<b>206</b> Taylor 2633.											
6	...	26	46.39	...	19	54.9	M	Feb. 2	5.0	6	35	22.04	...	138	6	40.6	R		
<b>201</b> $\delta$ Canis Majoris $\xi^2$									8	5.0	35	22.57	...	6	43.2	R			
Feb. 5	5.0	6	29	56.53	...	112	52	9.3	R	9	5.0	35	22.53	...	6	41.0	R		
9	5.0	29	56.58	...	52	7.4	R	Mar. 2	5.0	35	22.45	...	6	41.8	R				
21	5.0	29	56.68	...	52	9.2	R	4	5.0	35	22.74	...	6	42.4	M				
Mar. 2	5.0	29	56.78	...	52	9.7	R	<b>207</b> Lalande 12863.											
8	5.3	29	56.72	...	52	9.8	M	Jan. 23	7.4	6	35	26.40	...	83	32	25.9	M		
<b>202</b> $\mu$ Pictoris.									26	7.7	35	26.14	...	32	25.8	M			
Feb. 7	5.5	6	30	9.03	...	148	30	43.7	R	<b>208</b> 18 Monocerotis.									
19	5.5	30	9.04	...	39	43.4	R	Feb. 1	5.0	6	41	30.18	...	87	27	21.0	R		
20	5.5	30	8.95	...	39	41.8	R	4	5.0	41	30.20	...	27	20.0	R				
Mar. 11	5.6	30	9.26	...	39	45.7	M	6	5.0	41	30.03	...	27	18.9	R				
12	5.4	30	9.23	...	39	42.2	M	11	5.0	41	29.97	...	27	19.5	R				
<b>203</b> $\gamma$ Geminorum $\gamma$									Mar. 7	5.3	41	29.98	...	27	21.2	M			
Jan. 25	...	6	30	39.73	...	73	29	55.4	M	<b>209</b> 51 Cephei (Hev.).									
26	...	30	39.85	...	29	57.5	M	Mar. 9	...	6	42	46.08	3	2	46	5.1	M		
Feb. 1	...	30	39.87	...	29	54.7	R	12	...	42	46.23	3	46	5.7	M				
2	...	30	39.84	...	29	54.6	R												

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		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
<b>210</b> <i>x Puppis.</i>									<b>216</b> <i>14 Canis Majoris <math>\theta</math></i>										
Feb. 2	5.0	6	43	10.85	...	127	47	45.6	R	Feb. 1	...	6	48	31.57	...	101	53	13.4	R
5	5.0		43	10.80	...		47	45.8	R	21	...		48	31.44	...		53	12.3	R
7	5.0		43	10.91	...		47	45.2	R	27	...		48	31.33	...		53	11.6	R
Mar. 8	5.3		43	11.02	...		47	46.4	M	Mar. 1	...		48	31.54	...		53	10.9	R
11	5.3		43	10.83	...		47	46.6	M	2	...		48	31.57	...		53	10.7	R
<b>211</b> <i>34 Geminorum <math>\theta</math></i>									<b>217</b> <i>18 Canis Majoris <math>\mu</math></i>										
Feb. 8	...	6	44	44.73	...	55	53	36.4	R	Feb. 5	5.5	6	50	31.12	...	103	53	12.4	R
9	...		44	44.73	...		53	35.7	R	8	5.5		50	31.14	...		53	12.4	R
12	...		44	44.95	...		53	36.2	R	12	5.5		50	31.36	...		53	11.6	R
Mar. 13	...		44	44.90	...		53	37.0	M	Mar. 11	5.5		50	31.23	...		53	11.5	M
15	...		44	44.71	...		53	36.1	M	15	5.5		50	31.22	...		53	12.2	M
<b>212</b> <i>Taylor 2727.</i>									<b>218</b> <i>20 Canis Majoris <math>\iota</math></i>										
Feb. 6	5.0	6	46	25.94	...	124	13	27.2	R	Feb. 9	4.5	6	50	41.65	...	106	53	49.0	R
14	5.0		46	26.10	...		18	26.7	R	15	4.5		50	41.62	...		53	48.6	R
16	5.0		46	26.04	...		13	25.9	R	16	4.5		50	41.64	...		53	48.8	R
18	5.0		46	25.80	...		13	27.0	R	Mar. 21	4.4		50	41.90	...		53	48.7	M
<b>213</b> <i>Taylor 2731.</i>									<b>219</b> <i><math>\iota</math> Volantis.</i>										
Feb. 13	5.0	6	46	28.03	...	136	29	7.5	R	Feb. 13	5.5	6	52	50.40	...	160	48	43.4	R
15	5.0		46	27.91	...		29	5.3	R	14	5.5		52	50.53	...		48	41.5	R
25	5.5		46	28.18	...		29	7.5	R	18	5.6		52	50.56	...		48	42.7	R
Mar. 4	5.7		46	28.13	...		29	6.4	M	Mar. 12	6.0		52	50.39	5		48	39.3	M
5	5.5		46	28.16	...		29	6.7	M	26	6.3		52	50.53	...		48	39.2	M
6	5.6		46	28.15	...		29	6.7	M	<b>220</b> <i>21 Canis Majoris <math>\epsilon</math></i>									
<b>214</b> <i>Taylor 2742.</i>									<b>221</b> <i>t Puppis.</i>										
Feb. 7	5.0	6	47	12.00	...	143	28	49.3	R	Feb. 2	5.0	6	53	57.14	...	123	56	49.6	R
19	5.0		47	11.95	...		28	48.5	R	4	5.0		53	57.19	...		56	51.1	R
22	5.0		47	12.03	...		28	46.4	R	6	5.0		53	57.00	...		56	49.4	R
Mar. 19	5.9		47	12.24	...		28	48.8	M	Mar. 2	5.0		53	57.10	...		56	50.1	R
20	5.2		47	12.10	...		28	46.9	M	8	5.0		53	57.10	...		56	49.2	M



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		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
<b>222</b> <i>23 Canis Majoris γ</i>																			
Feb. 4	...	6	58	14'41	...	105	27	15'7	R										
5	...		58	14'37	...		27	14'0	R										
7	...		58	14'34	...		27	13'3	R										
8	...		58	14'32	...		27	13'1	R										
12	...		58	14'40	...		27	14'5	R										
15	...		58	14'34	...		27	13'7	R										
19	...		58	14'41	...		27	14'2	R										
21	...		58	14'30	...		27	14'4	R										
25	...		58	14'27	...		27	15'4	R										
26	...		58	14'42	...		27	14'2	R										
Mar. 2	...		58	14'34	...		27	14'6	R										
<b>227</b> <i>Radeliffe 1887.</i>																			
Feb. 20	4'5	7	5	18'40	...	7	21	33'7	R										
25	4'5		5	17'33	...	8	21	34'6	R										
Mar. 5	4'7		5	17'99	...	5	21	35'4	M										
12	...		5	18'33	...	3	21	34'4	M										
16	4'4		5	18'42	...		21	33'7	M										
<b>228</b> <i>22 Monocerotis.</i>																			
Feb. 9	...	7	5	33'07	...	90	17	29'9	R										
21	...		5	33'03	...		17	31'7	R										
26	...		5	33'17	...		17	29'2	R										
Mar. 19	...		5	33'06	...		17	30'0	M										
20	...		5	37'99	...		17	28'7	M										
<b>229</b> <i>Taylor 2920.</i>																			
Feb. 6	5'0	7	8	13'17	...	130	17	36'6	R										
18	5'0		8	13'17	...		17	36'6	R										
15	5'0		8	13'29	...		17	34'1	R										
Mar. 4	5'1		8	13'29	...		17	36'4	M										
21	5'3		8	13'44	...		17	36'9	M										
<b>230</b> <i>Taylor 2934.</i>																			
Feb. 11	5'0	7	9	4'91	...	136	33	22'2	R										
19	5'0		9	5'05	...		33	23'3	R										
28	5'0		9	4'93	...		33	22'2	R										
Mar. 2	5'0		9	4'98	...		33	22'6	R										
22	5'0		9	4'97	...		33	22'8	M										
<b>231</b> <i>27 Canis Majoris.</i>																			
Feb. 8	4'5	7	9	16'74	...	116	8	33'1	R										
14	4'6		9	16'74	...		8	30'7	R										
22	4'5		9	16'38	...		8	34'7	R										
Mar. 23	4'6		9	16'38	...		8	34'3	M										
25	4'9		9	16'35	...		8	34'5	M										
<b>232</b> <i>Taylor 2938.</i>																			
Feb. 7	5'0	7	9	34'36	...	184	58	18'9	R										
12	5'0		9	34'13	...		58	17'5	R										
16	5'0		9	34'28	...		58	16'3	R										
Mar. 1	5'0		9	34'20	...		58	15'7	R										
26	5'0		9	34'44	...		58	16'9	M										
<b>223</b> <i>Taylor 2843.</i>																			
Feb. 6	4'6	7	0	10'70	...	132	9	27'5	R										
9	4'5		0	10'79	...		9	25'1	R										
13	4'5		0	10'61	...		9	28'0	R										
Mar. 6	4'6		0	10'70	...		9	27'2	M										
8	4'6		0	10'77	...		9	26'7	M										
<b>224</b> <i>Taylor 2866.</i>																			
Feb. 5	5'7	7	3	7'43	...	130	42	11'0	R										
7	5'5		3	7'30	...		42	11'0	R										
14	5'5		3	7'59	...		42	9'2	R										
Mar. 1	5'5		3	7'47	...		42	11'2	R										
11	5'7		3	7'37	...		42	10'7	M										
<b>225</b> <i>46 Geminorum τ</i>																			
Feb. 1	5'0	7	3	22'40	...	59	33	24'2	R										
11	5'0		3	22'34	...		33	21'3	R										
12	5'0		3	22'34	...		33	22'5	R										
Mar. 13	5'2		3	22'50	...		33	24'3	M										
14	5'2		3	22'48	...		33	24'9	M										
<b>226</b> <i>Taylor 2885.</i>																			
Feb. 2	5'0	7	4	45'21	...	129	27	37'6	R										
4	5'0		4	45'22	...		27	38'4	R										
8	5'0		4	44'99	...		27	38'6	R										
Mar. 15	5'0		4	45'12	...		27	36'1	M										
18	5'3		4	44'98	...		27	37'8	M										

## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
<b>233</b> $\gamma$ Volantis—2nd.									<b>239</b> $\kappa^3$ Puppis.										
Feb. 21	5.0	7	9	46.42	...	160	18	4.8	R	Feb. 20	5.0	7	25	58.04	...	120	42	23.1	R
26	5.0	9	46.62	...	18	2.7	R	22	5.0	25	58.16	...	42	24.3	R				
27	5.0	9	46.67	...	18	2.9	R	25	5.0	25	58.03	...	42	24.0	R				
Mar. 27	5.0	9	46.44	...	18	1.0	M	Mar. 2	5.0	25	58.11	...	42	23.6	R				
28	5.0	9	46.63	...	18	4.7	M	5	5.5	25	58.02	...	42	24.9	M				
<b>234</b> 30 Canis Majoris									<b>240</b> 66 Geminorum $\alpha^2$ , Castor.										
Feb. 2	...	7	13	38.91	...	114	43	56.5	R	Feb. 4	...	7	26	48.91	...	57	50	44.1	R
9	...	13	38.75	...	43	56.6	R	9	...	26	48.86	...	50	44.4	R				
13	...	13	38.87	...	43	56.9	R	14	...	26	48.89	...	50	43.6	R				
Mar. 8	...	13	39.00	...	43	56.7	M	18	...	26	48.83	...	50	45.4	R				
9	...	13	39.01	...	43	56.1	M	Mar. 18	...	26	48.80	...	50	44.7	M				
<b>235</b> Taylor 2982.									<b>241</b> $n^1$ Puppis.										
Feb. 4	5.0	7	14	24.06	...	128	50	17.0	R	Feb. 19	4.5	7	29	9.42	...	113	12	30.6	R
5	5.0	14	24.00	...	59	17.3	R	26	4.5	29	9.26	...	12	32.1	R				
15	5.0	14	23.84	...	59	15.5	R	Mar. 9	5.1	29	9.33	...	12	31.4	M				
Mar. 11	5.0	14	23.90	...	59	17.2	M	11	5.0	29	9.30	...	12	32.7	M				
14	5.4	14	23.88	...	59	16.6	M	12	5.3	29	9.38	...	12	32.1	M				
<b>236</b> $\delta$ Volantis.									<b>242</b> $n^2$ Puppis.										
Feb. 11	5.0	7	16	52.92	...	157	44	1.7	R	Feb. 21	6.0	7	29	10.12	...	113	12	34.2	R
12	5.0	16	52.88	...	44	2.6	R	27	5.0	29	9.91	...	12	34.1	R				
14	5.0	16	53.12	...	44	1.1	R	Mar. 8	6.0	29	9.84	...	12	34.4	M				
18	5.0	16	53.09	...	44	3.7	R	13	6.1	29	9.97	...	12	34.2	M				
Mar. 1	5.0	16	52.98	...	44	2.9	R	14	6.0	29	9.84	...	12	35.6	M				
2	5.0	16	53.00	...	44	1.7	R	<b>237</b> 62 Geminorum $\rho$											
<b>237</b> 62 Geminorum $\rho$									<b>238</b> Taylor 3075.										
Feb. 2	...	7	21	15.60	...	57	58	27.9	R	Feb. 16	5.0	7	24	22.25	...	121	12	19.8	R
5	...	21	15.69	...	58	27.9	R	19	5.0	24	22.48	...	12	20.4	R				
7	...	21	15.72	...	58	28.1	R	21	5.0	24	22.31	...	12	20.2	R				
Mar. 4	...	21	15.73	...	58	28.0	M	Mar. 1	5.0	24	22.46	...	12	19.0	R				
6	...	21	15.77	...	58	27.6	M	7	5.2	24	22.59	...	12	19.6	M				

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Number and Date.	Magnitude.	Mean Right Ascension 1878.			No of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
<b>243</b> <i>g Puppis.</i>										<b>249</b> <i>3 Puppis.</i>									
Feb. 22	5.0	7	29	27.19	...	115	51	1.8	R	Feb. 20	5.0	7	38	54.57	...	118	39	50.2	R
25	5.0		29	27.12	...		51	1.7	R	25	5.0		38	54.87	...		39	52.0	R
28	5.0		29	27.13	...		51	0.5	R	Mar. 5	5.4		38	54.74	...		39	51.0	M
Mar. 15	5.9		29	27.15	...		51	2.1	M	7	4.9		38	54.75	...		39	52.0	M
16	5.8		29	27.01	...		51	2.1	M	16	5.0		38	54.51	...		39	50.8	M
<b>244</b> <i>10 Canis Minoris <math>\alpha</math>, Procyon.</i>										<b>250</b> <i>Taylor 3214.</i>									
Feb. 13	...	7	32	54.92	...	84	27	47.5	R	Feb. 16	4.6	7	39	32.74	...	180	38	11.0	R
16	...		32	54.91	...		27	46.6	R	18	4.5		39	32.60	...		38	12.8	R
Mar. 1	...		32	54.93	...		27	46.1	R	28	5.0		39	32.55	...		38	11.6	R
<b>245</b> <i><math>\kappa^1</math> Puppis.</i>										<b>251</b> <i>c Puppis.</i>									
Feb. 18	4.6	7	33	49.18	...	116	31	32.4	R	Feb. 19	5.0	7	40	54.89	...	127	40	24.7	R
21	4.6		33	49.21	...		31	31.8	R	21	5.0		40	54.89	...		40	23.6	R
27	4.5		33	49.16	...		31	30.7	R	26	5.0		40	54.51	...		40	22.5	R
Mar. 18	5.1		33	49.39	...		31	29.7	M	Mar. 1	5.0		40	54.42	...		40	21.1	R
19	5.0		33	49.59	...		31	30.6	M	12	5.0		40	54.47	...		40	24.7	M
<b>246</b> <i><math>\kappa^2</math> Puppis.</i>										<b>252</b> <i>o Puppis.</i>									
Feb. 20	5.0	7	33	49.93	...	116	31	37.7	R	Feb. 22	5.0	7	43	0.83	...	115	38	7.3	R
26	5.0		33	49.83	...		31	38.6	R	27	5.0		43	0.89	...		38	5.8	R
28	5.0		33	49.90	...		31	38.2	R	Mar. 14	5.4		43	0.69	...		38	7.1	M
Mar. 20	6.0		33	50.09	...		31	38.6	M	15	5.0		43	0.77	...		38	7.0	M
21	5.3		33	50.04	...		31	38.7	M	21	5.0		43	0.90	...		38	5.9	M
<b>247</b> <i>26 Monocerotis <math>\gamma</math></i>										<b>253</b> <i><math>\zeta</math> Volantis.</i>									
Feb. 19	4.5	7	35	25.20	...	99	16	3.6	R	Mar. 20	6.9	7	43	18.61	5	162	18	48.6	M
22	4.6		35	25.17	...		16	3.4	R	28	6.9		43	18.44	...		18	51.3	M
Mar. 6	4.7		35	25.00	...		16	3.3	M	29	6.0		43	18.63	...		18	50.1	M
22	4.6		35	25.22	...		16	3.6	M	<b>254</b> <i>Taylor 3279.</i>									
23	4.7		35	25.00	...		16	5.5	M	Feb. 16	4.5	7	45	31.15	...	136	3	58.0	R
<b>248</b> <i>78 Geminorum <math>\beta</math>, Pollux.</i>										Feb. 18	4.5		45	31.29	...		4	1.0	R
Mar. 2	...	7	37	50.91	...	61	40	51.1	R	Mar. 8	4.4		45	31.41	...		3	57.8	M
4	...		37	50.96	...		40	51.6	M										

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		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
<b>255</b> <i>9 Puppis.</i>										<b>261</b> <i>B. F. 1129.</i>									
Feb. 20	5.0	7	46	7.24	...	108	34	30.3	R	Feb. 18	5.0	7	54	23.75	...	108	3	55.7	R
21	5.0		46	7.29	...		34	31.4	R	27	5.0		54	23.93	...		3	55.0	R
Mar. 27	5.3		46	7.32	...		34	32.4	M	Mar. 1	5.0		54	23.90	...		3	55.4	R
Apl. 1	5.2		46	7.32	...		34	31.2	M	5	5.5		54	23.95	6		3	54.9	M
										7	5.3		54	23.88	...		3	56.0	M
<b>256</b> <i>R. P. L. 49.</i>										<b>262</b> <i>Taylor 3362.</i>									
Mar. 2	...	7	47	30.15	3	5	35	39.5	R	Feb. 21	5.0	7	54	43.76	...	138	54	40.9	R
<i>R. P. L. 49.—s.p.</i>										Feb. 25	5.0		54	43.86	...		54	40.4	R
Aug. 26	...	7	47	28.19	3	5	35	39.3	R	Mar. 14	5.0		54	43.78	...		54	50.3	M
Sep. 3	...		47	29.02	3		35	39.3	R	15	5.0		54	43.81	...		54	51.1	M
										16	5.0		54	43.88	...		54	51.5	M
<b>257</b> <i>Taylor 3297.</i>										<b>263</b> <i>6 Cancri.</i>									
Feb. 22	5.0	7	47	42.25	...	124	23	57.5	R	Feb. 19	...	7	56	1.35	...	61	51	55.2	R
25	5.0		47	42.31	...		23	57.4	R	20	...		56	1.33	...		51	55.0	R
Mar. 1	5.0		47	42.39	...		23	57.9	R	22	...		56	1.39	...		51	52.9	R
18	5.0		47	42.28	...		23	56.9	M	26	...		56	1.28	...		51	53.7	R
19	5.4		47	42.49	...		23	58.7	M	28	...		56	1.35	...		51	54.1	R
										Mar. 9	...		56	1.48	...		51	54.8	M
<b>258</b> <i>a Puppis.</i>										11	...		56	1.44	...		51	56.2	M
Mar. 25	5.0	7	48	1.42	...	130	15	44.3	M	12	...		56	1.33	...		51	54.9	M
30	5.1		48	1.48	...		15	43.5	M	21	...		56	1.45	...		51	55.9	M
Apl. 2	5.0		48	1.21	...		15	43.9	M	22	...		56	1.32	...		51	55.9	M
4	5.0		48	1.40	...		15	44.4	R										
<b>259</b> <i>b Puppis.</i>										<b>264</b> <i>15 Argus ι</i>									
Feb. 19	5.0	7	48	19.42	...	128	32	52.6	R	Feb. 25	...	8	2	20.99	...	113	57	12.2	R
26	5.0		48	19.50	...		32	53.2	R	28	...		2	20.89	...		57	11.6	R
Mar. 23	5.0		48	19.39	...		32	52.7	M	Mar. 4	...		2	20.81	...		57	12.1	M
Apl. 3	5.0		48	19.58	4		32	51.6	R	8	...		2	20.87	...		57	12.0	M
<b>260</b> <i>Taylor 3317.</i>										<b>265</b> <i>29 Monocerotis.</i>									
Feb. 27	5.0	7	49	37.21	...	139	17	46.9	R	Mar. 20	...	8	2	27.65	...	92	37	46.0	M
28	5.0		49	37.23	...		17	48.4	R	22	...		2	27.66	...		37	46.1	M
Mar. 4	5.0		49	37.26	...		17	46.8	M	Apl. 1	...		2	27.65	...		37	47.6	M
6	5.2		49	37.23	...		17	46.8	M	3	...		2	27.76	...		37	45.1	R
13	5.0		49	37.32	...		17	46.0	M	4	...		2	27.92	...		37	46.2	R

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		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
<b>266</b> 16 Puppis.										<b>273</b> 20 Puppis.									
Feb. 16	5.0	8	3	34.82	...	108	53	17.3	R	Feb. 20	5.0	8	7	43.48	...	105	25	18.7	R
21	5.0		3	34.82	...		53	15.4	R	28	5.0		7	43.52	...		25	17.4	R
27	5.0		3	34.78	...		53	17.8	R	Mar. 13	5.3		7	43.30	...		25	16.9	M
Mar. 1	5.0		3	34.70	...		53	17.1	R	15	5.0		7	43.35	...		25	17.4	M
6	5.2		3	34.83	...		53	18.5	M	18	5.2		7	43.50	...		25	17.7	M
<b>267</b> $\gamma$ Argus—1st.										<b>274</b> $r$ Puppis.									
Feb. 22	5.0	8	5	43.80	...	136	59	15.6	R	Feb. 16	5.0	8	8	53.29	...	125	31	53.8	R
26	5.0		5	43.97	...		59	10.6	R	19	5.0		8	53.20	...		31	55.0	R
Mar. 2	5.0		5	43.79	...		59	11.3	R	27	5.0		8	53.17	...		31	52.4	R
9	5.0		5	43.75	...		59	10.5	M	Mar. 7	4.9		8	53.39	...		31	55.7	M
11	5.2		5	43.69	...		59	11.7	M	Apl. 3	5.0		8	53.35	...		31	54.1	R
<b>268</b> Taylor 3478.										<b>275</b> 17 Caneri $\beta$									
Mar. 27	5.7	8	6	42.96	...	145	48	35.2	M	Feb. 18	4.0	8	9	53.74	...	80	26	23.5	R
28	5.8		6	43.10	...		48	34.5	M	21	4.0		9	53.67	...		26	22.2	R
<b>269</b> Taylor 3484.										<b>276</b> 30 Lynxis.									
Mar. 23	5.4	8	6	59.20	...	150	55	57.7	M	Mar. 29	5.8	8	10	34.13	...	31	52	41.4	M
25	5.6		6	59.17	...		55	55.8	M	<b>277</b> Lacaille 3275.									
Apl. 2	5.4		6	59.13	...		55	56.6	M	Mar. 22	5.7	8	13	25.19	...	152	32	23.3	M
<b>270</b> $h^1$ Puppis										30	5.8		13	24.97	...		32	24.2	M
Mar. 19	5.7	8	7	0.06	...	129	15	20.5	M	<b>278</b> $q$ Puppis.									
30	5.4		7	0.07	...		15	20.2	M	Feb. 19	5.0	8	13	59.56	...	126	16	55.4	R
<b>271</b> Taylor 3480.										20	5.0		13	59.49	...		16	54.0	R
Mar. 21	5.4	8	7	18.72	...	132	37	26.7	M	22	5.0		13	59.59	...		16	54.9	R
26	5.3		7	18.55	...		37	23.5	M	Mar. 2	5.0		13	59.30	...		16	55.9	R
<b>272</b> $\epsilon$ Volantis.										4	5.0		13	59.28	...		16	56.4	M
Mar. 12	5.2	8	7	31.69	...	158	15	33.8	M	<b>279</b> 31 Lynxis.									
16	5.0		7	31.80	...		15	32.7	M	Apl. 1	5.2	8	14	28.81	...	46	25	19.6	M
Apl. 4	5.0		7	31.83	...		15	32.4	R										

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		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"			
<b>280</b> <i>Radeliffe</i> 2130.									<b>287</b> <i>2 Ursæ Majoris A.</i>												
Apl. 3	5.0	8	14	33.84	...	36	23	19.4	R	Mar. 29	5.8	8	23	40.22	...	24	26	26.5	M		
										Apl. 3	5.0			23	40.13	...			26	25.6	R
<b>281</b> <i>w Puppis.</i>									<b>288</b> <i>β Volantis.</i>												
Feb. 16	5.0	8	16	34.70	...	122	40	1.4	R	Feb. 16	5.0	8	24	24.34	...	155	43	48.0	R		
18	5.0			34.54	...			40	2.4	R	18	5.0			24	24.33	...		43	47.3	R
25	5.0			34.69	...			40	2.1	R	21	5.0			24	24.41	...		43	46.8	R
Mar. 1	5.0			34.63	...			40	0.7	R	Mar. 6	5.0			24	24.49	...		43	49.6	M
9	5.0			34.69	...			40	3.0	M	12	5.0			24	24.27	...		43	48.1	M
<b>282</b> <i>Lacaille</i> 3308.									<b>289</b> <i>33 Cancri η</i>												
Feb. 19	5.0	8	18	46.28	...	188	5	58.0	R	Feb. 27	...	8	25	39.07	...	69	8	43.7	R		
21	5.0			46.81	...			5	57.8	R	Mar. 1	...			25	39.12	...		8	43.5	R
26	5.0			46.49	...			5	56.4	R	4	...			25	39.10	...		8	44.6	M
Mar. 2	5.0			46.46	...			5	54.5	R	13	...			25	39.08	...		8	44.2	M
5	6.0			46.56	...			5	58.2	M	14	...			25	39.08	...		8	44.8	M
<b>283</b> <i>Taylor</i> 3582.									<b>290</b> <i>4 Ursæ Majoris π<sup>2</sup></i>												
Mar. 21	5.5	8	19	33.87	...	93	30	34.3	M	Mar. 22	5.0	8	29	32.12	...	25	14	52.5	M		
25	5.7			33.91	...			30	35.2	M	25	5.0			29	32.05	...		14	51.2	M
Apl. 2	5.6			33.86	...			30	35.0	M	Apl. 1	5.5			29	31.92	...		14	53.1	M
<b>284</b> <i>Taylor</i> 3589.									<b>291</b> <i>Taylor</i> 3702.												
Mar. 19	6.3	8	19	47.71	...	118	39	4.9	M	Mar. 19	5.5	8	31	0.18	...	139	31	28.3	M		
26	5.7			47.82	...			39	5.2	M	21	5.5			31	0.10	...		31	28.6	R
Apl. 6	6.0			47.74	...			39	2.9	R	Apl. 4	5.5			31	0.34	...		31	28.3	M
<b>285</b> <i>Taylor</i> 3590.									<b>292</b> <i>4 Hydræ δ</i>												
Mar. 27	9.3	8	19	50.75	...	118	39	2.5	M	Feb. 16	4.0	8	31	11.68	...	83	52	17.6	R		
28	9.2			50.76	...			39	2.2	M	19	4.0			31	11.84	...		52	17.7	R
Apl. 4	9.1			50.98	...			39	0.1	R	22	4.0			31	11.81	...		52	18.6	R
8	9.1			50.76	...			39	1.3	R	Mar. 5	4.5			31	11.66	...		52	18.1	M
10	9.2			50.77	...			39	1.5	R	9	4.2			31	11.77	...		52	19.4	M
<b>286</b> <i>1 Ursæ Majoris o</i>									<b>292</b> <i>4 Hydræ δ</i>												
Feb. 20	...	8	20	6.83	...	28	52	31.9	R	Feb. 16	4.0	8	31	11.68	...	83	52	17.6	R		
22	...			6.93	...			52	33.6	R	19	4.0			31	11.84	...		52	17.7	R
Mar. 7	...			7.08	...			52	33.8	M	22	4.0			31	11.81	...		52	18.6	R
8	...			7.09	...			52	32.4	M	Mar. 5	4.5			31	11.66	...		52	18.1	M
11	...			7.05	...			52	33.9	M	9	4.2			31	11.77	...		52	19.4	M

## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
<b>293</b> Taylor 3717.									<b>300</b> 48 <i>Cancri</i> $\iota$										
Mar. 26	5.5	8	32	13.62	...	140	32	49.5	M	Mar. 29	...	8	39	18.86	...	60	47	41.2	M
90	5.8		32	13.51	...		32	49.3	M										
<b>294</b> <i>e Velorum</i> .									<b>301</b> 11 <i>Hydræ</i> $\epsilon$										
Feb. 18	5.0	8	33	21.15	...	132	33	47.5	R	Mar. 5	...	8	40	18.78	...	83	8	3.3	M
20	5.0		33	21.24	...		33	45.0	R	9	...		40	18.70	...		8	2.5	M
25	5.0		33	21.31	...		33	46.0	R	16	...		40	18.72	...		8	2.7	M
Mar. 8	5.0		33	21.39	...		33	47.5	M										
18	5.0		33	21.14	...		33	45.0	M										
<b>295</b> <i>f Mali</i> .									<b>302</b> <i>a Velorum</i> .										
Mar. 23	5.3	8	34	38.67	...	119	7	40.4	M	Mar. 19	5.2	8	41	53.52	...	135	35	47.2	M
Apl. 2	5.7		34	38.77	...		7	40.3	M	21	5.0		41	53.50	...		35	45.9	M
6	5.5		34	38.71	...		7	42.4	R	Apl. 5	5.0		41	53.53	...		35	46.4	R
11	5.5		34	38.61	...		7	37.8	R	6	5.0		41	53.41	...		35	47.4	R
15	5.5		34	38.60	...		7	38.6	R	9	5.0		41	53.35	...		35	45.5	R
<b>296</b> Taylor 3742.									<b>303</b> 13 <i>Hydræ</i> $\rho$										
Apl. 12	6.0	8	35	16.80	...	142	39	39.8	R	Mar. 22	...	8	41	57.95	...	83	42	43.9	M
										Apl. 11	...		41	58.12	...		42	43.2	R
<b>297</b> <i>b Mali</i> .									<b>304</b> 14 <i>Hydræ</i> .										
Feb. 16	5.0	8	35	19.66	...	124	52	34.8	R	Mar. 30	5.7	8	43	13.93	...	92	59	29.6	M
19	5.0		35	19.81	...		52	34.6	R	Apl. 10	5.5		43	13.80	...		59	29.5	R
21	5.0		35	19.64	...		52	32.4	R	12	5.5		43	13.87	...		59	29.5	R
Mar. 6	5.0		35	19.76	...		52	35.6	M	15	5.5		43	14.08	...		59	29.4	R
11	5.2		35	19.60	...		52	34.6	M										
<b>298</b> <i>d Carinæ</i> .									<b>305</b> <i>f Carinæ</i> .										
Mar. 27	5.0	8	37	55.21	...	140	19	34.1	M	Mar. 8	5.0	8	43	33.40	...	146	19	18.7	M
28	5.0		37	55.14	...		19	34.8	M	14	5.0		43	33.25	...		19	18.8	M
Apl. 4	5.0		37	55.26	...		19	34.5	R	15	5.0		43	33.27	...		19	18.3	M
8	5.0		37	55.05	...		19	34.6	R	Apl. 1	5.4		43	33.17	...		19	18.6	M
10	5.0		37	55.10	...		19	34.0	R	8	5.0		43	33.34	...		19	18.7	R
<b>299</b> <i>a Mali</i> .									<b>306</b> <i>g Velorum</i> .										
Mar. 7	4.4	8	38	41.52	...	122	44	52.1	M	Mar. 23	5.7	8	45	34.58	...	184	51	17.7	M
12	4.4		38	41.33	...		44	50.3	M	25	5.4		45	34.37	...		51	16.7	M
13	4.6		38	41.42	...		44	49.9	M	Apl. 2	5.6		45	34.52	...		51	18.2	M
Apl. 3	4.8		38	41.51	...		44	49.6	R	3	5.5		45	34.66	...		51	15.1	R
15	4.5		38	41.36	...		44	50.9	R	4	5.5		45	34.65	...		51	16.1	R

## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
<b>307</b> 16 <i>Hydræ</i> ζ									<b>314</b> 13 <i>Ursæ Majoris</i> σ <sup>2</sup>										
Mar. 19	...	8	48	56.74	...	83	35	27.1	M	Mar. 29	5.0	8	59	38.80	...	22	22	17.4	M
26	...	48	56.66	...	...	35	27.4	M	<b>315</b> <i>e Velorum</i> .										
Apl. 4	...	48	56.86	...	...	35	26.7	R											
5	...	48	56.89	...	...	35	26.4	R											
6	...	48	56.82	...	...	35	26.3	R											
<b>308</b> R. P. L. 60.									Mar. 6 5.1 8 59 56.85 ... 136 36 46.5 M										
Mar. 16	...	8	49	35.06	3	5	20	0.7	M	7	5.0	59	56.84	...	...	36	46.8	M	
<b>309</b> 8 <i>Ursæ Majoris</i> ρ									8 5.0 59 56.92 ... 36 46.8 M										
Apl. 11	5.0	8	51	30.97	...	21	58	46.3	R	Apl. 3	5.0	59	57.01	...	...	36	45.7	R	
12	5.0	51	31.00	...	...	53	47.6	R	10	5.0	59	56.87	...	...	36	48.0	R		
15	5.0	51	31.13	...	...	53	47.4	R	<b>316</b> 14 <i>Ursæ Majoris</i> τ										
<b>310</b> <i>e Carinæ</i> .									Apl. 6 5.0 9 0 50.43 ... 25 59 28.7 R										
Mar. 21	5.4	8	52	17.17	...	150	10	43.9	M	<b>317</b> <i>Taylor</i> 3991.									
27	5.0	52	16.97	...	...	10	44.0	M	Mar. 22	5.4	9	2	41.46	...	115	22	1.8	M	
Apl. 3	5.5	52	17.19	...	...	10	42.9	R	25	5.7	2	41.61	...	...	22	1.5	M		
5	5.5	52	17.07	...	...	10	41.7	R	<b>318</b> <i>E Carinæ</i> .										
8	5.5	52	17.27	...	...	10	43.1	R	Apl. 4	5.5	9	4	38.26	...	160	2	55.4	R	
9	5.5	52	16.99	...	...	10	43.5	R	8	5.5	4	38.12	...	...	2	55.3	R		
<b>311</b> 12 <i>Ursæ Majoris</i> κ									12 5.5 4 38.09 ... 2 53.5 R										
Mar. 23	4.3	8	55	17.25	...	42	21	44.5	M	<b>319</b> 16 <i>Ursæ Majoris</i> ε.									
28	4.4	55	17.43	...	...	21	43.5	M	Mar. 19	5.9	9	4	40.95	...	28	4	30.7	M	
Apl. 1	4.4	55	17.42	...	...	21	44.3	M	21	5.2	4	41.07	...	...	4	32.1	M		
4	4.0	55	17.34	...	...	21	42.2	R	Apl. 2	5.4	4	41.01	...	...	4	32.4	M		
6	4.0	55	17.31	...	...	21	42.6	R	9	5.0	4	40.90	...	...	4	31.4	R		
<b>312</b> 11 <i>Ursæ Majoris</i> σ <sup>1</sup>									11 5.0 4 40.95 ... 4 32.3 R										
Apl. 11	5.0	8	57	39.25	...	22	38	17.6	R	<b>320</b> <i>e Mali</i> .									
12	5.0	57	39.33	...	...	38	18.1	R	Apl. 5	5.6	9	4	46.45	...	119	52	5.7	R	
15	5.0	57	39.39	...	...	38	18.4	R	15	5.5	4	46.45	...	...	52	4.1	R		
<b>313</b> <i>Radcliffe</i> 2271.									17 5.5 4 46.39 ... 52 4.4 R										
Mar. 26	5.0	8	58	45.94	...	51	3	40.3	M	<b>321</b> 18 <i>Ursæ Majoris</i> ε									
30	5.4	58	45.98	...	...	3	39.8	M	Mar. 23	5.2	9	7	24.33	...	35	23	32.0	M	
Apl. 5	5.0	58	46.07	...	...	3	39.5	R	Apl. 1	5.4	7	24.18	...	...	23	32.8	M		
8	5.0	58	46.71	...	...	3	40.7	R	6	5.0	7	24.15	...	...	23	31.5	R		
9	5.0	58	45.80	...	...	3	39.8	R											



## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
<b>322</b> <i>a Carinæ.</i>									<b>329</b> <i>h Mali.</i>										
Mar. 9	5.0	9	7	45.44	...	148	28	4.6	M	Mar. 11	5.0	9	16	5.40	...	115	26	49.1	M
11	5.0		7	45.25	...		28	4.1	M	12	5.0		16	5.51	...		26	49.2	M
12	4.9		7	45.46	...		28	2.4	M	13	5.2		16	5.33	...		26	49.0	M
Apl. 3	5.0		7	45.29	...		28	4.0	R	Apl. 5	5.0		16	5.41	...		26	47.8	R
10	5.0		7	45.32	...		28	3.9	R	12	5.0		16	5.34	...		26	49.3	R
<b>323</b> <i>l Velorum.</i>									<b>330</b> <i>l Leonis κ</i>										
Apl. 5	5.0	9	10	48.42	...	128	3	43.6	R	Apl. 4	5.0	9	17	32.91	...	63	17	34.1	R
34	5.0		10	48.59	...		3	43.0	R	6	5.0		17	32.84	...		17	33.8	R
<b>324</b> <i>h<sup>a</sup> Velorum.</i>									<b>331</b> <i>h Carinæ.</i>										
Apl. 4	5.5	9	10	52.41	...	126	54	19.0	R	Mar. 26	5.3	9	18	1.15	...	151	53	8.2	M
12	5.5		10	52.28	...		54	19.1	R	29	5.4		18	0.34	...		53	8.8	M
<b>325</b> <i>83 Cancri.</i>									<b>332</b> <i>30 Hydræ α, Var. 2.</i>										
Mar. 5	...	9	12	10.80	...	71	46	42.8	M	Mar. 8	...	9	21	35.50	...	98	7	49.6	M
14	...		12	10.33	...		46	43.7	M	20	...		21	35.48	...		7	48.8	M
15	...		12	10.26	...		46	43.9	M	Apl. 1	...		21	35.44	...		7	50.2	M
16	...		12	10.29	...		46	43.3	M	3	...		21	35.48	...		7	47.9	R
18	...		12	10.23	...		46	43.7	M	<b>333</b> <i>Argelander 196.</i>									
Apl. 15	...		12	10.13	...		46	42.7	R	Apl. 5	5.0	9	21	44.49	...	95	32	19.6	R
<b>326</b> <i>g Carinæ.</i>									<b>334</b> <i>23 Ursæ Majoris h.</i>										
Mar. 25	5.4	9	12	45.40	...	147	1	52.8	M	Mar. 28	4.2	9	21	53.97	...	26	24	22.0	M
27	5.2		12	45.34	...		1	52.9	M	28	4.0		21	53.95	...		24	23.6	M
Apl. 11	5.5		12	45.49	...		1	52.7	R	Apl. 9	4.0		21	53.83	...		24	21.6	R
<b>327</b> <i>26 Hydræ.</i>									<b>335</b> <i>31 Hydræ τ<sup>1</sup></i>										
Mar. 22	5.5	9	13	53.90	...	101	27	38.0	M	Apl. 22	...	9	22	57.19	...	92	14	5.0	R
30	5.3		13	53.92	...		27	37.9	M	26	...		22	57.31	...		14	4.1	R
Apl. 3	5.5		13	54.01	...		27	37.3	R	30	...		22	57.32	...		14	5.0	R
6	5.5		13	53.85	...		27	37.1	R	<b>336</b> <i>27 Hydræ.</i>									
8	5.5		13	53.85	...		27	36.8	R	Mar. 21	5.6	9	14	31.48	...	99	2	19.1	M
9	5.5		13	54.05	...		27	36.1	R	Apl. 10	5.2		14	31.62	...		2	19.5	R
<b>328</b> <i>27 Hydræ.</i>									<b>337</b> <i>27 Hydræ.</i>										
Mar. 21	5.6	9	14	31.48	...	99	2	19.1	M	17	5.0		14	31.63	...		2	21.9	R
Apl. 10	5.2		14	31.62	...		2	19.5	R	22	5.5		14	31.70	...		2	18.6	R

~~24~~ 9.0  
~~24~~ 8.0  
~~24~~ 9.5  
~~24~~ 9.8

## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
<b>336</b> <i>n Carinae.</i>										<b>344</b> <i>Taylor 4233.</i>									
Mar. 22	6.0	9	24	5.06	...	154	24	6.4	M	Apl. 26	5.5	9	29	54.92	...	140	42	44.3	R
25	5.6	24	5.17	...	24	6.2	M			27	5.5	29	54.94	...	42	44.0	R		
Apl. 6										<b>345</b> <i>h Carinae.</i>									
27	5.0	24	5.11	...	24	5.7	R			Mar. 9	5.0	9	30	54.24	...	148	41	10.2	M
27	5.0	24	5.17	...	24	5.0	R			15	5.0	30	54.22	...	41	10.4	M		
29	5.0	24	5.17	...	24	4.3	R			16	5.0	30	54.12	...	41	7.8	M		
<b>337</b> <i>ε Antliae.</i>										Apl. 6									
Mar. 6	5.5	9	24	12.05	...	125	25	6.3	M	12	5.0	30	54.20	...	41	7.6	R		
7	5.4	24	12.02	...	25	7.0	M			<b>346</b> <i>γ Velorum.</i>									
14	5.4	24	12.48	...	25	5.2	M			Apl. 4	5.5	9	33	15.52	...	132	38	26.6	R
Apl. 8	5.5	24	12.04	...	25	7.6	R			10	5.5	33	15.64	...	38	27.9	R		
<b>338</b> $\zeta^1$ <i>Antliae</i> —1st.										15									
Mar. 21	6.2	9	25	32.27	...	121	21	17.8	M	15	5.5	33	15.61	...	38	26.3	R		
30	6.4	25	32.53	...	21	16.6	M			<b>347</b> <i>35 Hydræ ι</i>									
Apl. 17	6.0	25	32.36	...	21	18.7	R			Apl. 5	...	9	33	37.77	...	90	35	22.0	R
<b>339</b> $\zeta^1$ <i>Antliae</i> —2nd.										11									
Mar. 27	6.0	9	25	32.32	...	121	21	11.3	M	17	...	33	37.48	...	35	22.1	R		
<b>340</b> $\zeta^2$ <i>Antliae.</i>										17									
Apl. 4	6.0	9	26	19.24	...	121	20	5.1	R	<b>348</b> <i>38 Hydræ κ</i>									
10	6.0	26	18.99	...	20	8.1	R			Apl. 24	5.0	9	34	27.28	...	103	46	46.8	R
12	6.0	26	19.02	...	20	7.0	R			30	5.0	34	27.53	...	46	44.8	R		
<b>341</b> <i>10 Leonis Minoris.</i>										<b>349</b> <i>m Carinae.</i>									
Apl. 11	5.0	9	26	44.61	...	53	3	39.9	R	Mar. 25	5.0	9	35	58.44	...	150	46	33.8	M
15	5.0	26	44.60	...	3	39.0	R			26	5.0	35	58.50	...	46	34.4	M		
24	5.0	26	44.60	...	3	39.8	R			Apl. 1	5.3	35	58.26	...	46	35.8	M		
<b>342</b> <i>Taylor 4218.</i>										2									
Apl. 5	5.0	9	27	30.88	...	146	29	48.7	U	8	5.0	35	58.27	...	46	34.6	R		
<b>343</b> <i>Lacaille 3917.</i>										<b>350</b> <i>28 Ursæ Majoris.</i>									
Mar. 29	5.4	9	29	21.47	...	138	27	50.3	M	Mar. 28	5.5	9	36	31.51	...	25	47	10.5	M
Apl. 3	5.5	29	21.93	...	27	48.3	R			Apl. 3	5.0	36	31.39	...	47	11.9	R		
8	5.5	29	21.67	...	27	49.5	R			22	5.0	36	31.26	...	47	9.5	R		
9	5.5	29	21.80	...	27	49.2	R			26	5.0	36	31.37	...	47	8.4	R		
22	5.5	29	21.74	...	27	50.2	R			29	5.0	36	31.53	...	47	9.3	R		

5.12  
23  
17  
22  
21  
5.19

## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension. 1878.			No. of Wires.	Mean Polar Distance. 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension. 1878.			No. of Wires.	Mean Polar Distance. 1878.			Observer.
		<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>				<i>h.</i>	<i>m.</i>	<i>s.</i>		<i>°</i>	<i>'</i>	<i>"</i>	
<b>351</b> <i>θ Antlice.</i>										Apl. 2	...	9	48	48'47	3	5	29	42'7	M
Mar. 8	5·6	9	38	45·98	...	117	12	41·7	M	6	...		48	48'22	3		29	42'2	R
18	5·4		38	45·94	...		12	40·8	M	10	...		48	48'16	3		29	43'7	R
Apl. 5	5·0		38	46·20	...		12	40·8	R	22	...		48	47'81	3		29	41·9	R
6	5·0		38	46·16	...		12	41·1	R	27	...		48	47·78	3		29	42·0	R
10	5·5		38	45·91	...		12	43·1	R	<i>R. P. L. 70—s.p.</i>									
<b>352</b> <i>17 Leonis ε</i>										Sep. 24	...	9	48	47'82	3	5	29	42'2	R
Mar. 6	...	9	38	55·45	...	65	39	52·5	M	<b>357</b> <i>η Antlice.</i>									
7	...		38	55·40	...		39	54·1	M	Mar. 8	6·0	9	58	38'40	...	125	18	27·1	M
19	...		38	55·58	...		39	52·4	M	9	6·0		58	38'17	..		18	29·0	M
Apl. 4	...		38	55·49	...		39	52·7	R	13	6·0		58	38'16	...		18	26·2	M
9	...		38	55·46	...		39	52·1	R	Apl. 4	6·0		58	38'45	...		18	26·7	R
12	...		38	55·46	...		39	52·9	R	5	6·0		58	38'88	...		18	26·1	R
27	...		38	55·42	...		39	52·8	R	<b>358</b> <i>29 Leonis π</i>									
<b>353</b> <i>29 Ursæ Majoris υ</i>										Mar. 6	...	9	58	45'95	...	81	22	14·1	M
Mar. 21	4·0	9	42	18'87	...	80	23	17·9	M	7	...		58	45'88	...		22	14·8	M
27	4·4		42	18'42	...		23	19·0	M	14	...		58	45'79	...		22	14·1	M
Apl. 8	4·0		42	18'25	...		23	18·7	R	15	...		58	45'82	...		22	15·1	M
11	4·0		42	18'29	...		23	17·6	R	25	...		58	45'82	...		22	14·5	M
15	4·0		42	18'83	...		23	17·0	R	26	...		58	45'91	...		22	15·1	M
<b>354</b> <i>30 Ursæ Majoris φ</i>										27	...		58	45'93	...		22	15·1	M
Mar. 30	...	9	43	47'76	...	35	21	59·0	M	30	...		58	45'93	...		22	14·8	M
Apl. 24	...		43	47'58	...		21	57·2	R	Apl. 1	...		58	45'98	...		22	15·7	M
25	...		43	47'59	...		21	58·2	R	3	...		58	45'81	...		22	18·3	R
26	...		43	47'66	...		21	58·1	R	8	...		58	45'90	...		22	18·9	R
29	...		43	47'61	...		21	59·2	R	11	...		58	45'96	...		22	12·0	R
<b>355</b> <i>39 Hydræ υ<sup>1</sup></i>										15	...		58	45'97	...		22	12·6	R
Mar. 9	...	9	45	36'48	...	104	16	29·2	M	17	...		58	45'94	...		22	14·1	R
11	...		45	36'46	...		16	29·2	M	24	...		58	45'95	...		22	13·9	R
12	...		45	36'45	...		16	28·1	M	25	...		58	45'92	...		22	13·7	R
Apl. 3	...		45	36'67	...		16	27·9	R	29	...		58	45'93	...		22	14·0	R
4	...		45	36'52	...		16	28·7	R	<b>359</b> <i>21 Leonis Minoris.</i>									
<b>356</b> <i>R. P. L. 70.</i>										Mar. 21	5·0	10	0	13'90	...	54	9	48·1	M
Mar. 23	...	9	48	47'40	3	5	29	42·5	M	22	5·0		0	13'82	...		9	40·7	M
28	...		48	47'74	3		29	41·5	M	Apl. 2	5·4		0	13'92	...		9	41·1	M
										6	5·0		0	13'77	...		9	40·7	R
										8	5·0		0	13'80	...		9	41·0	R
										9	5·0		0	13'81	...		9	41·6	R

*Separate Results of Madras Meridian Circle Observations in 1878.*

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.				
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"					
<b>360</b>		<i>15 Sextantis.</i>										<b>365</b>		<i>Taylor 4559.</i>									
Mar. 23	...	10	1	41'77	...	89	46	33'1	M	Mar. 9	5'4	10	8	40'26	...	140	37	42'7	M				
29	...		1	41'68	...		46	33'1	M	14	5'5		8	40'36	...		37	41'6	M				
Apl. 1	...		1	41'66	...		46	33'2	M	15	5'3		8	40'25	...		37	43'2	M				
3	...		1	41'56	...		46	31'6	R	Apl. 5	5'5		8	40'42	...		37	41'6	R				
5	...		1	41'77	...		46	31'9	R	6	5'5		8	40'40	...		37	42'0	R				
<b>361</b>		<i>32 Leonis a, Regulus.</i>										<b>366</b>		<i>32 Ursæ Majoris.</i>									
Mar. 16	...	10	1	52'43	...	77	26	14'3	M	Apl. 3	...	10	9	8'59 <del>8'24</del>	...	24	16	57'4	R				
19	...		1	52'38	...		26	15'3	M	8	...		9	8'95	...		17	0'9	R				
Apl. 10	...		1	52'43	...		26	11'8	R	9	...		9	9'16	...		17	0'3	R				
15	...		1	52'41	...		26	11'1	R	May 8	...		9	8'95	...		16	58'9	R				
17	...		1	52'34	...		26	12'4	R														
22	...		1	52'44	...		26	12'8	R														
26	...		1	52'38	...		26	12'5	R														
30	...		1	52'39	...		26	13'7	R														
<b>362</b>		<i>Rumker 193.</i>										<b>367</b>		<i>33 Ursæ Majoris λ</i>									
Mar. 11	8'0	10	3	8'62	...	150	37	8'6	M	Apl. 15	3'5	10	9	43'78	...	46	28	36'5	R				
12	8'1		3	8'79	...		37	7'5	M	17	3'5		9	43'73	...		28	39'0	R				
13	8'0		3	8'66	...		37	8'8	M	22	3'5		9	43'79	...		28	36'4	R				
Apl. 4	8'0		3	8'78	...		37	7'9	R														
11	8'0		3	8'81	...		37	7'3	R														
<b>363</b>		<i>Taylor 4522.</i>										<b>368</b>		<i>36 Leonis ζ</i>									
Mar. 25	5'4	10	4	18'76	...	141	12	48'2	M	Apl. 10	4'5	10	9	54'02	...	65	58	30'8	R				
26	5'4		4	18'83	...		12	49'5	M	11	4'5		9	54'01	...		58	30'1	R				
Apl. 24	5'5		4	18'60	...		12	45'8	R	12	4'5		9	54'00	...		58	31'4	R				
27	5'0		4	18'67	...		12	46'4	R	May 1	4'5		9	54'22	...		58	29'2	R				
May 1	5'5		4	18'82	...		12	46'5	R	4	4'5		9	54'11	...		58	29'3	R				
<b>364</b>		<i>41 Hydræ λ</i>										<b>369</b>		<i>Lacaille 4233.</i>									
Mar. 27	...	10	4	38'22	...	101	45	6'5	M	Mar. 30	5'7	10	10	3'42	...	155	46	5'7	M				
28	...		4	38'19	...		45	6'3	M	Apl. 24	5'5		10	3'27	...		46	5'3	R				
Apl. 12	...		4	38'47	...		45	5'2	R	26	5'5		10	3'34	...		46	4'4	R				
25	...		4	38'24	...		45	6'1	R	27	5'5		10	3'38	...		46	4'5	R				
29	...		4	38'21	...		45	6'2	R	30	5'5		10	3'37	...		46	4'8	R				
<b>370</b>		<i>R. P. L. 72.—s.p.</i>										<b>370</b>		<i>R. P. L. 72.—s.p.</i>									
Oct. 8	...	10	11	39'07	3	5	7	50'2	C.R	Oct. 8	...	10	11	39'07	3	5	7	50'2	C.R				
22	...		11	39'30	3		7	50'2	C.R	22	...		11	39'30	3		7	50'2	C.R				
Nov. 15	...		11	39'30	3		7	52'3	M	Nov. 15	...		11	39'30	3		7	52'3	M				

## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
<b>371</b> <i>q Carinae.</i>										<b>377</b> <i>r Velorum.</i>									
Mar. 12	5.0	10	18	0.78	...	150	43	23.5	M	Apl. 30	5.0	10	17	5.79	...	181	2	11.2	R
13	4.9	13	0.65	...			43	23.5	M	May 6	5.0		17	5.81	...		2	10.8	R
16	5.0	13	0.80	...			43	24.5	M	16	5.2		17	5.77	...		2	11.7	M
Apl. 25	5.0	13	0.65	...			43	23.7	R	17	5.5		17	5.58	...		2	14.2	M
29	5.0	13	0.66	...			43	20.8	R	20	5.5		17	5.67	...		2	12.7	M
<b>372</b> <i>41 Leonis <math>\gamma^1</math></i>										<b>378</b> <i><math>\gamma</math> Antliae.</i>									
Apl. 4	...	10	18	14.68	...	69	32	29.1	R	Apl. 29	5.5	10	18	19.00	...	119	1	53.5	R
<b>373</b> <i>Taylor 4616.</i>										<b>379</b> <i>30 Leonis Minoris.</i>									
Mar. 29	5.0	10	15	1.68	...	144	25	0.6	M	May 4	4.5	10	18	54.90	...	55	34	59.0	R
Apl. 5	5.0	15	1.80	...			24	59.6	R										
6	5.0	15	1.78	...			24	59.9	R										
9	5.0	15	1.86	...			24	59.8	R										
12	5.0	15	1.86	...			25	0.1	R										
<b>374</b> <i>Radcliffe 2485.</i>										<b>381</b> <i>31 Leonis Minoris <math>\beta</math></i>									
Apl. 10	5.0	10	15	18.58	...	23	49	2.1	R	Apl. 9	4.5	10	20	49.45	...	52	40	4.6	R
22	5.0	15	18.79	...			49	2.7	R	15	...		20	49.51	8		40	6.8	R
May 8	5.0	15	18.62	...			49	1.5	R	May 11	4.5		20	49.82	...		40	4.4	R
10	5.0	15	18.63	...			49	1.5	R										
11	5.0	15	18.74	...			49	1.3	R										
<b>375</b> <i>Taylor 4634.</i>										<b>382</b> <i><math>\alpha</math> Antliae.</i>									
Mar. 26	5.0	10	16	22.48	...	141	25	46.8	M	Apl. 1	4.7	10	21	34.11	...	120	26	51.5	M
Apl. 3	5.0	16	22.60	...			25	43.3	R	4	4.5		21	34.28	...		26	49.2	R
17	5.0	16	22.85	...			25	45.3	R	5	4.5		21	34.16	...		20	48.6	R
27	5.0	16	22.35	...			25	43.3	R	May 1	4.5		21	34.24	...		26	49.0	R
May 1	5.0	16	22.40	...			25	44.9	R	6	4.5		21	34.22	...		20	48.2	R
<b>376</b> <i>Lacaille 4270.</i>										<b>383</b> <i>36 Ursae Majoris.</i>									
Mar. 27	9.0	10	16	26.24	...	141	6	2.3	M	Apl. 12	5.0	10	22	48.51	...	33	23	39.2	R
Apl. 8	8.9	16	26.20	...			6	1.7	R	26	5.0		22	48.32	...		23	39.3	R
11	8.9	16	26.17	...			6	1.0	R	May 10	5.0		22	48.45	...		23	38.8	R
24	8.9	16	26.33	...			6	0.2	R										
26	8.9	16	26.35	...			6	0.5	R										
<b>384</b> <i>Taylor 4694.</i>																			
Apl. 17	5.0	10	22	51.65	...	147	1	2.6	R										
30	5.0	22	51.70	...					R										

## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
<b>385</b> <i>s Carinae.</i>									<b>394</b> <i>Taylor 4773.</i>										
Apl. 3	5.0	10	23	24.27	...	148	7	0.2	R	Mar. 25	7.3	10	31	10.10	...	147	35	33.6	M
<b>386</b> <i>Brisbane 3024.</i>									Apl. 3										
Apl. 24	5.0	10	23	34.36	...	155	4	57.0	R		7.0		31	10.34	...		35	32.0	R
29	5.0		23	34.39	...		4	58.3	R	10	7.0		31	10.14	...		35	33.5	R
<b>387</b> <i>Taylor 4700.</i>									22										
										24	7.0		31	10.29	...		35	35.1	R
<b>388</b> <i>δ Antliae.</i>									<b>395</b> <i>t<sup>1</sup> Carinae.</i>										
Mar. 21	5.8	10	23	58.76	...	119	58	59.4	R	Apl. 8	5.5	10	31	46.24	...	148	55	51.0	R
<b>389</b> <i>Radclyffe 2510.</i>									11										
May 4	5.0	10	26	6.30	...	48	56	48.9	R	11	5.5		31	46.22	...		55	47.7	R
11	5.0		26	6.31	...		56	49.9	R	12	5.5		31	46.18	...		55	48.4	R
20	5.4		26	6.54	...		56	48.9	M	May 10	5.0		31	46.37	...		55	52.6	R
<b>390</b> <i>47 Leonis ρ</i>									11										
Mar. 11	...	10	26	23.03	...	80	3	55.9	M	11	5.5		31	46.34	...		55	51.6	R
Apl. 5	...		26	23.20	...		3	55.8	R	<b>396</b> <i>37 Leonis Minoris.</i>									
8	...		26	23.22	...		3	56.9	R	Apl. 17	4.5	10	31	50.92	...	37	23	25.2	R
9	...		26	23.15	...		3	56.2	R	25	4.5		31	51.05	...		23	25.0	R
11	...		26	23.19	...		3	55.3	R	May 4	4.5		31	50.91	...		23	23.3	R
May 1	...		26	23.18	...		3	56.1	R	16	4.9		31	51.11	...		23	22.0	M
<b>391</b> <i>34 Leonis Minoris.</i>									<b>397</b> <i>p Velorum.</i>										
Apl. 25	5.0	10	26	32.18	...	54	22	59.4	R	Mar. 22	5.0	10	32	10.57	...	137	35	32.4	M
May 17	5.4		26	32.26	...		22	57.3	M	30	5.0		32	10.66	...		35	31.8	M
23	5.9		26	32.24	...		22	58.6	M	Apl. 1	5.3		32	10.58	...		35	33.2	R
<b>392</b> <i>Lacaille 4357.</i>									5										
Mar. 29	5.8	10	27	15.24	...	161	21	59.0	M	5	5.0		32	10.75	...		35	31.8	R
<b>393</b> <i>37 Ursae Majoris.</i>									6										
Apl. 4	5.0	10	27	17.45	...	32	17	22.0	R	6	5.0		32	10.68	...		35	32.4	R
26	5.0		27	17.28	...		17	19.9	R	<b>398</b> <i>φ<sup>3</sup> Hydrae.</i>									
May 6	5.0		27	17.47	...		17	19.8	R	Apl. 27	5.0	10	32	38.18	...	106	14	36.0	R
8	5.0		27	17.54	...		17	20.6	R	29	5.0		32	38.07	...		14	36.0	R
<b>399</b> <i>38 Ursae Majoris.</i>									Apl. 30										
Mar. 29	5.8	10	27	15.24	...	161	21	59.0	M	5.0	10	33	36.07	...	23	38	41.4	R	
<b>400</b> <i>t<sup>2</sup> Carinae.</i>									Apl. 4										
Apl. 4	5.0	10	34	6.67	...	148	32	54.8	R	5.0			34	6.44	...		32	53.1	R
26	5.0		34	6.44	...		32	53.1	R	May 1	5.0		34	6.57	...		32	53.3	R
May 6	5.0		34	6.57	...		32	53.3	R	20	5.1		34	6.50	...		32	53.6	M
8	5.0		34	6.50	...		32	53.6	M										



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		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
<b>411</b> <i>54 Leonis.</i>									<b>416</b> $\chi^1$ <i>Hydræ.</i>										
Apl. 4	4.5	10	49	0.46	...	64	36	0.8	R	Mar. 22	5.2	10	59.	27.34	...	116	38	5.2	M
8	4.4		49	0.33	...		35	58.6	R	27	5.6		59	27.34	...		38	7.3	M
12	4.5		49	0.40	...		35	58.0	R	Apl. 8	5.0		59	27.21	...		38	6.8	R
May 16	4.7		49	0.30	...		35	57.4	M	11	5.0		59	27.14	...		38	5.8	R
17	4.9		49	0.39	...		35	59.1	M	22	5.0		59	27.11	...		38	7.0	R
<b>412</b> $\iota$ <i>Antilæ.</i>									<b>417</b> $\chi^2$ <i>Hydræ.</i>										
Mar. 26	5.5	10	51	2.13	...	126	23	55.4	M	Mar. 30	5.5	11	0	2.69	...	116	37	43.8	M
Apl. 5	5.5		51	2.22	...		28	53.5	R	Apl. 1	5.6		0	2.73	...		37	44.0	M
6	5.5		51	2.16	...		23	54.8	R	9	5.0		0	2.87	...		37	42.2	R
24	5.5		51	2.04	...		28	53.8	R	12	5.0		0	2.68	...		37	43.2	R
26	5.5		51	2.07	...		23	54.2	R	24	5.0		0	2.73	...		37	42.9	R
<b>413</b> <i>60 Leonis b.</i>									<b>418</b> <i>Taylor 5054.</i>										
Mar. 21	...	10	55	49.03	...	69	9	53.3	M	May 4	4.5	11	1	18.66	...	148	0	57.7	R
23	...		55	48.92	...		9	57.6	M	10	5.0		1	18.70	...		0	54.0	R
Apl. 6	...		55	49.01	...		9	56.7	R	21	5.7		1	18.82	...		0	56.8	M
8	...		55	49.02	...		9	57.3	R										
9	...		55	49.07	...		9	56.8	R										
<b>414</b> <i>63 Leonis <math>\chi</math></i>									<b>419</b> <i>52 Ursæ Majoris <math>\psi</math></i>										
Mar. 29	...	10	58	43.37	...	32	0	16.6	M	Apl. 15	3.5	11	2	47.95	...	44	50	21.5	R
Apl. 3	...		58	43.43	...		0	15.0	R	30	3.5		2	47.92	...		50	22.2	R
5	...		58	43.31	...		0	16.5	R	May 6	3.5		2	47.91	...		50	23.0	R
10	...		58	43.42	...		0	15.3	R	17	3.8		2	48.00	...		50	21.9	M
17	...		58	43.42	...		0	15.6	R	20	3.6		2	48.10	...		50	23.0	M
25	...		58	43.35	...		0	15.3	R										
26	...		58	43.36	...		0	15.3	R										
29	...		58	43.37	...		0	14.7	R										
30	...		58	43.36	...		0	15.7	R										
May 8	...		58	43.28	...		0	15.0	R										
11	...		58	43.27	...		0	15.2	R										
15	...		58	43.35	...		0	14.1	R										
27	...		58	43.31	...		0	15.6	M										
28	...		58	43.36	...		0	14.1	M										
<b>415</b> <i>R. P. L. 79.—s.p.</i>									<b>420</b> <i>Taylor 5068.</i>										
Oct. 17	...	10	59	4.33	1	1	41	50.9	C. R.	Apl. 27	5.0	11	2	49.72	...	117	25	10.2	R
Nov. 2	...		59	4.02	3		41	54.0	C. R.	29	5.0		2	49.70	...		25	10.5	R
6	...		59	3.18	3		41	52.9	M	May 1	5.0		2	49.77	...		25	10.4	R
										8	5.0		2	49.89	...		25	11.1	R
										15	5.0		2	49.88	...		25	8.7	R
<b>421</b> $\alpha$ <i>Carinæ.</i>									<b>421</b> $\alpha$ <i>Carinæ.</i>										
Mar. 26	5.3	11	3	23.09	...	148	18	50.9	M	Mar. 26	5.3	11	3	23.09	...	148	18	50.9	M
28	5.4		3	23.05	...		18	53.2	M	28	5.4		3	23.05	...		18	53.2	M
Apl. 4	5.5		3	22.84	...		18	48.8	R	Apl. 4	5.5		3	22.84	...		18	48.8	R
25	5.5		3	22.89	...		18	51.9	R	25	5.5		3	22.89	...		18	51.9	R
26	5.5		3	22.96	...		18	51.5	R	26	5.5		3	22.96	...		18	51.5	R



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		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
<b>422</b> <i>Taylor 5077.</i>																			
Apl. 12	5.0	11	4	1.58	...	121	42	10.0	R										
22	5.0		4	1.61	...		42	19.5	R										
May 11	5.0		4	1.48	...		42	18.5	R										
22	5.7		4	1.63	...		42	17.3	M										
23	5.4		4	1.66	...		42	18.2	M										
<b>423</b> <i>68 Leonis δ</i>																			
Mar. 21	...	11	7	37.08	...	68	48	29.4	M										
Apl. 6	...		7	37.10	...		48	27.9	R										
9	...		7	37.19	...		48	27.0	R										
11	...		7	37.12	...		48	27.0	R										
29	...		7	37.11	...		48	26.8	R										
May 29	...		7	37.10	...		48	27.1	M										
<b>424</b> <i>72 Leonis</i>																			
Apl. 3	5.0	11	8	42.97	...	66	14	21.6	R										
5	5.0		8	42.96	...		14	20.5	R										
10	5.0		8	42.79	...		14	24.1	R										
May 1	5.0		8	42.88	...		14	23.7	R										
4	5.0		8	42.83	...		14	25.8	R										
<b>425</b> <i>53 Ursæ Majoris ξ</i>																			
Apl. 15	...	11	11	40.13	...	57	47	4.5	R										
24	...		11	40.13	...		47	3.6	R										
May 6	...		11	40.16	...		47	6.2	R										
10	...		11	40.23	...		47	3.4	R										
11	...		11	40.32	...		47	3.3	R										
<b>426</b> <i>54 Ursæ Majoris ν</i>																			
Apl. 17	4.0	11	11	53.01	...	56	14	24.5	R										
25	4.0		11	53.12	...		14	26.8	R										
May 8	4.0		11	52.97	...		14	23.8	R										
15	4.0		11	52.96	...		14	23.7	R										
16	4.5		11	53.06	...		14	23.4	M										
<b>427</b> <i>55 Ursæ Majoris.</i>																			
Apl. 27	5.0	11	12	28.79	...	51	8	41.5	R										
May 1	5.0		12	28.83	...		8	42.7	R										
17	5.2		12	28.82	...		8	41.7	M										
20	5.4		12	28.88	...		8	42.5	M										
21	5.7		12	28.83	...		8	41.6	M										
<b>428</b> <i>12 Crateris δ</i>																			
Mar. 28	...	11	13	14.38	...	104	7	6.1	M										
25	...		13	14.44	...		7	4.7	M										
26	...		13	14.37	...		7	6.2	M										
27	...		13	14.45	...		7	7.0	M										
28	...		13	14.50	...		7	6.2	M										
29	...		13	14.31	...		7	6.2	M										
Apl. 1	...		13	14.40	...		7	7.0	M										
2	...		13	14.41	...		7	7.0	M										
4	...		13	14.50	...		7	4.9	R										
8	...		13	14.51	...		7	5.7	R										
12	...		13	14.52	...		7	5.8	R										
22	...		13	14.54	...		7	5.5	R										
26	...		13	14.53	...		7	4.8	R										
30	...		13	14.53	...		7	5.2	R										
May 4	...		13	14.18	...		7	5.6	R										
30	...		13	14.60	...		7	5.4	M										
31	...		13	14.36	...		7	6.1	M										
June 1	...		13	14.48	...		7	6.3	M										
4	...		13	14.42	...		7	7.0	M										
5	...		13	14.35	...		7	8.1	M										
<b>429</b> <i>Taylor 5193.</i>																			
Mar. 30	7.7	11	16	40.36	...	147	42	57.9	M										
Apl. 3	7.6		16	40.59	...		42	55.7	R										
5	7.6		16	40.55	...		42	54.9	R										
6	7.6		16	40.48	...		42	55.0	R										
11	7.7		16	40.58	...		42	56.1	R										
<b>430</b> <i>Taylor 5195.</i>																			
Apl. 26	5.5	11	17	18.13	...	125	20	44.1	R										
27	5.5		17	18.16	...		20	44.3	R										
May 6	5.5		17	18.08	...		20	44.0	R										
15	5.5		17	18.26	...		20	43.0	R										
23	5.3		17	18.14	...		20	43.9	M										
27	5.5		17	18.32	...		20	42.8	M										
<b>431</b> <i>Taylor 5198.</i>																			
Apl. 25	7.8	11	17	18.47	...	147	38	46.9	R										
29	7.8		17	18.44	...		38	45.7	R										

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		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
<b>432</b> 14 Crateris ε										Apl. 10	...	11	30	42-00	...	90	8	59-4	R
Apl. 17	5-0	11	18	27-06	...	100	11	28-1	R	22	...	30	42-01	...	9	0-2	R		
22	5-0	18	27-05	...	...	11	24-6	R	24	...	30	42-09	...	8	59-8	R			
May 1	5-0	18	26-99	...	...	11	23-3	R	25	...	30	42-10	...	8	59-9	R			
8	5-0	18	26-87	...	...	11	23-9	R	27	...	30	42-08	...	8	59-2	R			
11	5-0	18	26-85	...	...	11	25-2	R	May 1	...	30	42-08	...	8	59-1	R			
28	5-0	18	26-97	...	...	11	28-4	M	6	...	30	42-06	...	8	58-9	R			
<b>433</b> Radeliffe 2679.										16	...	30	42-16	...	8	59-5	M		
Apl. 15	5-0	11	19	3-29	...	33	28	50-3	R	17	...	30	42-09	...	8	59-0	M		
24	5-0	19	3-47	...	...	28	51-2	R	24	...	30	42-00	...	9	1-1	M			
30	5-0	19	3-53	...	...	28	53-9	R	29	...	30	42-11	...	8	59-7	M			
May 4	5-0	19	3-56	...	...	28	55-1	R	31	...	30	42-16	...	9	0-3	M			
10	5-0	19	3-56	...	...	28	50-2	R	June 4	...	30	42-20	...	9	0-1	M			
<b>434</b> 1 Draconis λ										<b>438</b> Anon.									
Mar. 29	...	11	24	8-77	...	19	59	43-7	M	May 21	7-9	11	31	50-20	...	150	48	34-1	M
Apl. 6	...	24	8-64	...	...	59	44-5	R	23	8-0	31	50-20	...	48	36-4	M			
8	...	24	8-65	...	...	59	46-3	R	25	8-0	31	50-41	...	48	35-4	M			
9	...	24	8-09	...	...	59	46-1	R	<b>439</b> 24 Crateris ι										
11	...	24	8-73	...	...	59	47-6	R	May 4	5-5	11	32	28-19	...	102	31	47-8	R	
<b>435</b> 17 Hydræ—2nd.										8	5-5	32	28-24	...	31	47-9	R		
Apl. 5	5-0	11	26	13-82	...	118	35	32-0	R	11	5-5	32	28-25	...	31	47-9	R		
17	5-0	26	13-65	...	...	35	34-9	R	June 5	5-9	32	28-35	...	31	50-3	M			
25	5-0	26	13-70	...	...	35	34-4	R	8	6-0	32	28-29	...	31	49-6	M			
May 1	5-0	26	13-91	...	...	35	33-9	R	<b>440</b> o Hydræ.										
4	5-0	26	13-65	...	...	35	34-7	R	May 1	5-5	11	34	9-37	...	124	4	5-9	R	
<b>436</b> Taylor 5282.										10	5-5	34	9-21	...	4	5-3	R		
May 6	5-5	11	26	52-28	...	120	24	50-2	R	15	5-5	34	9-29	...	4	5-8	R		
8	5-5	26	52-42	...	...	24	50-7	R	<b>441</b> 63 Ursæ Majoris χ										
10	5-5	26	52-36	...	...	24	49-5	R	May 4	4-0	11	39	35-79	...	41	32	36-4	R	
June 1	5-4	26	52-26	...	...	24	50-5	M	6	4-0	39	35-78	...	32	36-8	R			
3	5-5	26	52-31	...	...	24	52-7	M	11	4-0	39	35-93	...	32	35-9	R			
<b>437</b> 91 Leonis υ										June 1	4-2	39	36-20	...	32	33-6	M		
Mar. 22	...	11	30	42-13	...	90	9	0-7	M	<b>442</b> λ Muscæ.									
28	...	30	42-05	...	...	9	0-7	M	May 8	4-5	11	39	51-32	...	156	3	10-5	R	
Apl. 2	...	30	42-11	...	...	9	1-4	M	20	4-4	39	51-53	...	3	9-4	M			
										22	4-8	39	51-56	...	3	10-0	M		
										June 7	4-9	39	51-59	...	3	8-9	M		

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		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
<b>443</b> Taylor 5402.										<b>449</b> 31 Crateris.									
May 10	5.5	11	40	37.21	...	150	30	1.0	R	Apl. 30	5.5	11	54	37.02	...	108	58	47.6	R
15	5.5	40	37.21	...		30	0.5	R	May 1	5.5	54	37.03	...		58	46.4	R		
27	5.4	40	37.19	...		30	0.0	M	4	5.5	54	36.91	...		58	47.3	R		
<b>444</b> 93 Leonis.										<b>450</b> 67 Centauri.									
May 16	...	11	41	41.39	...	69	6	11.2	M	May 10	5.5	11	57	20.80	...	131	45	3.5	R
17	5.0	41	41.36	...		6	10.6	M	11	5.5	57	20.77	...		45	3.2	R		
24	4.6	41	41.43	...		6	10.8	M	16	6.0	57	20.86	...		45	2.8	M		
<b>445</b> 94 Leonis $\beta$ , Deneb.										<b>451</b> $\theta^a$ Crucis.									
Mar. 30	...	11	42	50.28	...	74	44	46.2	M	May 15	5.5	11	58	2.94	...	152	29	12.0	R
May 28	...	42	50.18	...		44	46.0	M	22	5.4	58	3.06	...		29	12.0	M		
29	...	42	50.15	...		44	46.4	M	27	5.4	58	2.97	...		29	11.2	M		
31	...	42	50.20	...		44	46.8	M	June 7	5.4	58	3.05	...		29	12.3	M		
June 6	...	42	50.27	...		44	46.7	M	<b>452</b> R. P. L. 89.										
10	...	42	50.22	...		44	47.1	M	May 20	...	11	58	35.91	3	3	44	11.0	M	
<b>446</b> 55 Centauri.										25	...	58	36.45	3		44	11.7	M	
Apl. 30	5.5	11	45	2.97	...	134	29	40.2	R	31	...	58	36.62	3		44	11.8	M	
May 1	5.5	45	2.77	...		29	41.8	R	<b>453</b> $\eta$ Crucis.										
21	5.6	45	2.92	...		29	40.6	M	Apl. 30	4.5	12	0	31.87	...	158	56	2.2	R	
23	5.4	45	2.84	...		29	40.3	M	May 1	4.5	0	31.84	...		56	1.9	R		
25	5.5	45	2.96	...		29	41.8	M	6	4.5	0	31.85	...		56	0.9	R		
<b>447</b> Taylor 5437.										21	4.6	0	31.90	...		55	58.1	M	
May 4	5.5	11	46	8.43	...	146	18	36.0	R	23	4.5	0	31.97	...		55	59.8	M	
8	5.5	46	8.58	...		18	36.0	R	<b>452</b> R. P. L. 89.—sp.										
11	5.5	46	8.56	...		18	36.4	R	Nov. 14	...	11	58	36.63	2	3	44	14.0	M	
<b>448</b> $\epsilon$ Hydræ.										21	...	58	36.03	2		44	14.0	M	
May 6	5.5	11	47	17.46	...	124	23	11.6	R	<b>453</b> $\eta$ Crucis.									
10	5.3	47	17.56	...		23	12.2	R	Apl. 30	4.5	12	0	31.87	...	158	56	2.2	R	
15	5.5	47	17.54	...		23	11.4	R	May 1	4.5	0	31.84	...		56	1.9	R		
June 5	6.0	47	17.62	...		23	12.3	M	6	4.5	0	31.85	...		56	0.9	R		
8	5.0	47	17.49	...		23	15.0	M	21	4.6	0	31.90	...		55	58.1	M		
										23	4.5	0	31.97	...		55	59.8	M	

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		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
<b>454</b> <i>2 Corvi ε</i>									<b>460</b> <i>1 Canum Venaticorum.</i>										
May 4	...	12	3	51.15	...	111	56	26.5	R	May 22	5.8	12	10	22.23	4	56	15	22.8	M
8	...	3	51.24	...	...	56	27.1	R	June 8	5.4	10	22.07	...	...	15	22.7	M		
10	...	3	51.12	...	...	56	26.4	R	15	5.4	10	22.16	...	...	15	24.7	M		
17	...	3	51.04	...	...	56	26.2	M	<b>461</b> <i>ζ Crucis.</i>										
30	...	3	50.99	...	...	56	26.6	M	May 4	5.0	12	11	50.22	5	153	19	31.3	R	
June 8	...	3	51.11	...	...	56	27.3	M	21	4.9	11	50.33	...	...	19	29.3	M		
11	...	3	50.95	...	...	56	27.1	M	<b>462</b> <i>15 Virginis η</i>										
12	...	3	51.21	...	...	56	28.6	M	May 6	...	12	13	39.84	...	89	59	17.2	R	
<b>455</b> <i>Radeliffe 2811.</i>									11	...	13	39.86	...	...	59	17.8	R		
May 27	5.3	12	6	28.18	...	11	42	19.2	M	15	...	13	39.82	...	...	59	18.0	R	
28	5.5	6	28.36	...	...	42	17.8	M	24	...	13	39.87	...	...	59	18.1	M		
29	5.9	6	28.45	...	...	42	19.5	M	<b>463</b> <i>5 Corvi ζ</i>										
June 5	5.8	6	28.19	...	...	42	20.7	M	Apl. 30	5.5	12	14	14.67	...	111	32	13.7	R	
6	5.6	6	28.35	...	...	42	19.9	M	May 10	5.5	14	14.61	...	...	32	13.0	R		
<b>456</b> <i>Taylor 5607—2nd.</i>									23	5.7	14	14.83	...	...	32	13.1	M		
Apl. 30	5.5	12	7	40.31	...	135	2	42.8	R	25	5.5	14	14.67	...	...	32	14.2	M	
May 6	5.5	7	40.36	...	...	2	41.3	R	June 7	5.8	14	14.71	...	...	32	13.5	M		
11	5.5	7	40.24	...	...	2	43.5	R	<b>464</b> <i>R. P. L. 93.—s.p.</i>										
15	5.5	7	40.33	...	...	2	43.5	R	Nov. 9	...	12	14	19.31	2	1	37	26.4	M	
16	5.7	7	40.26	...	...	2	43.0	M	<b>465</b> <i>11 Comæ.</i>										
<b>457</b> <i>6 Comæ.</i>									May 17	5.2	12	14	33.08	...	71	31	37.8	M	
May 1	5.0	12	9	48.48	...	74	25	17.4	R	<b>466</b> <i>12 Comæ.</i>									
8	5.0	9	48.57	...	...	25	19.0	R	May 1	5.0	12	16	22.29	...	63	28	35.3	R	
10	5.0	9	48.54	...	...	25	20.2	R	8	5.0	16	22.36	...	...	28	37.6	R		
June 1	5.1	9	48.55	...	...	25	17.5	M	<b>467</b> <i>6 Corvi.</i>										
3	5.4	9	48.40	...	...	25	19.7	M	May 16	5.8	12	17	0.31	...	114	9	47.0	M	
<b>458</b> <i>2 Canum Venaticorum.</i>									<b>468</b> <i>13 Comæ.</i>										
May 30	5.4	12	10	0.65	...	48	39	37.5	M	May 4	5.0	12	18	10.45	...	63	13	27.9	R
31	5.6	10	0.35	...	...	39	36.3	M	29	5.7	18	11.13	...	...	13	27.5	M		
June 4	5.7	10	0.67	...	...	39	37.7	M	June 6	5.5	13	11.15	...	...	13	27.9	M		
10	5.8	10	0.68	...	...	39	37.3	M											
11	5.8	10	0.65	...	...	39	37.5	M											
<b>459</b> <i>7 Comæ.</i>																			
May 20	5.6	12	10	10.11	...	65	22	33.2	M										
June 12	5.7	10	10.11	...	...	22	34.4	M											

*Separate Results of Madras Meridian Circle Observations in 1878.*

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
<b>469</b> 14 Comæ.										<b>476</b> 9 Corvi β									
May 6	5.0	12	20	17.88	...	62	3	18.6	R	June 11	...	12	27	58.98	...	112	43	16.1	M
28	5.4	20	17.92	...		3	18.5	M	18	...	27	58.89	...		43	16.5	M		
June 1	5.3	20	17.96	...		3	19.0	M											
11	5.7	20	17.88	...		3	20.0	M											
<b>470</b> 15 Comæ γ										<b>477</b> 5 Draconis κ									
Apl. 30	4.5	12	20	51.26	...	61	3	10.1	R	May 20	3.8	12	28	16.54	...	19	32	18.9	M
May 1	4.5	20	51.28	...		3	9.4	R	21	3.5	28	16.60	...		32	18.3	M		
June 4	5.0	20	51.40	...		3	10.9	M	22	3.9	28	16.51	...		32	16.7	M		
<b>471</b> 16 Comæ.										<b>478</b> 23 Comæ.									
May 10	5.0	12	20	58.80	...	62	29	53.4	R	May 23	4.9	12	28	46.50	...	66	41	54.0	M
27	5.2	20	58.89	...		29	58.7	M	25	4.7	28	46.64	...		41	55.0	M		
										June 6	5.0	28	46.56	...		41	56.0	M	
<b>472</b> α Centauri.										<b>479</b> 24 Comæ—2nd.									
May 11	4.5	12	21	26.71	...	139	33	14.9	R	May 10	...	12	29	0.57	...	70	57	2.2	R
										15	...	29	0.48	...		57	2.4	R	
										31	...	29	0.53	...		57	3.1	M	
<b>473</b> η Centauri.										<b>480</b> τ Centauri.									
May 8	5.0	12	21	58.37	...	128	21	56.1	R	May 8	...	20	0.39	...		57	2.8	M	
15	5.0	21	58.32	...		21	55.0	R	15	...	29	0.47	...		57	3.2	M		
June 5	5.7	21	58.45	...		21	57.1	M											
12	5.4	21	58.58	...		21	57.0	M	May 30	5.3	12	31	2.10	...	137	52	9.5	M	
<b>474</b> 8 Corvi η										<b>481</b> δ Hydræ.									
May 4	4.5	12	25	46.91	...	105	31	10.6	R	May 4	5.5	12	31	14.33	...	116	27	50.5	R
11	4.5	25	46.81	...		31	12.0	R	11	5.5	31	14.38	...		27	50.3	R		
16	4.4	25	47.00	...		31	11.9	M	28	5.9	31	14.30	...		27	49.0	M		
June 7	4.8	25	46.85	...		31	10.8	M	June 4	5.9	31	14.31	...		27	50.5	M		
10	4.9	25	46.91	...		31	12.2	M											
<b>475</b> 8 Canum Venaticorm β										<b>482</b> ι Centauri.									
Apl. 30	4.0	12	27	56.65	...	47	58	44.4	R	May 6	5.0	12	33	16.53	...	129	18	54.3	R
May 1	4.0	27	56.71	...		58	43.9	R	16	5.2	33	16.66	...		18	55.0	M		
6	4.0	27	56.72	...		58	45.3	R	27	5.1	33	16.57	...		18	56.3	M		
8	4.0	27	56.76	...		58	46.7	R	June 1	5.2	33	16.51	...		18	55.4	M		
17	4.3	27	56.68	...		58	44.3	M	8	5.3	33	16.55	...		18	55.4	M		

## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
<b>483</b> 30 Virginis $\rho$ .										<b>490</b> $n$ Centauri.									
May 10	5.0	12	35	42.59	...	79	5	28.5	R	May 23	5.3	12	46	41.00	...	129	30	53.3	M
15	5.0		35	42.45	...		5	28.2	R	24	5.3		46	40.91	...		30	53.5	M
24	5.4		35	42.43	...		5	27.7	M	30	5.5		46	40.95	...		30	54.1	M
June 5	5.5		35	42.46	...		5	30.7	M	<b>491</b> 35 Comæ.									
7	5.6		35	42.57	...		5	29.3	M	May 31	...	12	47	17.40	...	68	5	28.7	M
<b>484</b> Taylor 5839.										June 3	...		47	17.43	...		5	31.4	M
May 8	5.5	12	35	50.74	...	138	8	32.5	R	12	...		47	17.55	...		5	32.9	M
29	5.8		35	50.67	...		8	33.3	M	<b>492</b> $o$ Centauri—1st.									
June 12	5.5		35	50.91	...		8	32.6	M	May 27	5.0	12	47	26.05	...	146	30	53.1	M
<b>485</b> $\iota$ Crucis.										28	5.2		47	25.94	...		30	51.7	M
May 4	5.5	12	38	28.31	...	150	18	40.2	R	<b>493</b> R. P. L. 98.									
11	5.5		38	28.22	...		18	40.0	R	May 8	...	12	48	6.67	3	5	55	5.5	R
25	5.4		38	28.41	...		18	40.9	M	15	...		48	6.69	3		55	3.2	R
<b>486</b> 27 Comæ.										<b>494</b> R. P. L. 99.									
May 6	5.0	12	40	32.99	...	72	45	19.4	R	June 15	...	12	48	14.86	3	5	55	24.7	M
10	5.0		40	32.89	...		45	20.8	R	<b>R. P. L. 99.—sp.</b>									
15	5.0		40	32.98	...		45	19.3	R	Nov. 25	...	12	48	14.65	2	5	55	27.8	M
June 8	5.5		40	33.08	...		45	21.1	M	27	...		48	14.82	3		55	26.0	M
<b>487</b> Taylor 5906.										<b>495</b> Taylor 5944.									
May 4	5.5	12	45	14.10	...	129	0	57.1	R	May 29	5.7	12	48	46.44	...	146	10	26.1	M
16	5.9		45	14.36	...		0	57.4	M	June 17	5.5		48	46.55	...		10	27.0	R
17	6.0		45	14.18	...		0	57.4	M	<b>496</b> 12 Canum Venaticorum $\alpha$									
June 4	5.9		45	14.20	...		0	57.4	M	June 7	...	12	50	18.97	...	51	1	19.6	M
10	5.9		45	14.14	...		0	57.7	M	11	...		50	19.06	...		1	20.3	M
<b>488</b> Taylor 5918.										<b>497</b> 36 Comæ.									
May 20	5.4	12	46	12.90	...	138	16	44.5	M	May 4	4.5	12	52	53.38	...	71	55	56.5	R
21	5.6		46	13.08	...		16	43.5	M	6	4.5		52	53.14	...		55	56.5	R
22	5.7		46	13.26	...		16	43.4	M	10	4.5		52	53.26	...		55	58.4	R
June 1	5.7		46	13.23	...		16	44.4	M	June 5	4.4		52	53.37	...		55	58.6	M
<b>489</b> $\kappa$ Crucis.										8	4.8		52	53.38	...		55	56.0	M
May 6	5.5	12	46	32.44	...	149	42	47.0	R										
10	5.5		46	32.40	...		42	46.9	R										
11	5.5		46	32.38	...		42	46.5	R										

## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"		
<b>498</b> <i>37 Comæ.</i>										<b>507</b> <i>49 Virginis g.</i>										
May 8	5.0	12	54	26.09	...	58	33	22.6	R	May 10	...	13	1	30.45	...	100	5	13.8	R	
11	5.0		54	26.17	...		33	22.0	R	<b>508</b> <i>B. F. 1805.</i>										
16	5.8		54	26.28	...		33	21.8	M	May 15	5.5	13	2	10.92	...	98	19	48.2	R	
June 17	5.0		54	26.28	...		33	24.1	R	<b>509</b> <i>45 Hydræ ψ</i>										
<b>499</b> <i>78 Ursæ Majoris</i>										May 29	5.4	13	2	29.15	...	112	27	58.1	M	
May 15	5.0	12	55	29.20	...	32	58	31.1	R	30	5.4		2	29.04	...		27	58.9	M	
<b>500</b> $\xi^1$ Centauri.										June 8	4.9		2	29.08	...			27	58.9	M
May 20	5.7	12	56	30.08	...	138	53	14.5	M	17	4.5		2	29.17	...		27	58.4	R	
25	5.6		56	30.18	...		52	13.9	M	<b>510</b> <i>51 Virginis θ</i>										
<b>501</b> <i>Taylor 6013.</i>										May 8	...	13	3	37.99	...	94	53	11.5	R	
May 4	5.5	12	59	12.69	...	187	43	30.0	R	11	...		3	38.06	...		53	13.5	R	
21	5.7		59	12.84	...		43	28.7	M	June 3	...		3	38.06	...		53	12.1	M	
June 4	5.4		59	12.88	...		43	30.3	M	10	...		3	38.13	...		53	12.6	M	
19	5.5		59	12.82	...		43	30.5	R	13	...		3	37.99	...		53	11.7	M	
20	5.5		59	12.72	...		43	31.1	R	<b>511</b> <i>Taylor 6056.</i>										
<b>502</b> $\xi^2$ Centauri.										June 1	5.0	13	4	25.22	...	132	43	5.3	M	
May 22	5.0	12	59	47.72	...	139	15	6.3	M	<b>512</b> <i>m Centauri.</i>										
<b>503</b> <i>14 Canum Venaticorum.</i>										May 4	5.5	13	5	15.09	...	127	9	19.4	R	
May 6	5.0	13	0	1.04	...	53	32	40.4	R	June 19	5.5		5	14.92	...		9	19.1	R	
17	5.4		0	2.13	...		32	40.0	M	<b>513</b> <i>43 Comæ β</i>										
31	6.0		0	2.20	...		32	53.0	M	June 5	4.4	13	6	11.07	...	61	30	11.4	M	
June 12	5.2		0	2.09	...		32	50.9	M	July 6	...		6	10.82	...		30	9.0	C.R.	
18	5.0		0	2.01	...		32	51.5	R	10	...		6	10.87	5		30	8.9	C.R.	
<b>504</b> $\theta$ Musæ.										<b>514</b> <i>Taylor 6077.</i>										
May 23	5.9	13	0	15.69	...	154	39	8.2	M	June 18	5.5	13	6	42.67	...	143	27	3.4	R	
<b>505</b> <i>39 Comæ.</i>										<b>515</b> <i>m Canum Venaticorum.</i>										
May 24	5.9	13	0	24.33	...	68	11	29.2	M	May 10	5.0	13	8	10.67	...	49	12	1.3	R	
<b>506</b> <i>41 Comæ.</i>										15	5.0		8	10.77	...		12	0.3	R	
May 27	...	13	1	10.55	...	61	43	12.4	M	June 20	5.5		8	10.67	...		12	1.0	R	
28	...		1	19.40	...		43	11.4	M											

Separate Results of Madras Meridian Circle Observations in 1878.

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		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
<b>516</b> 57 <i>Virginis</i> .										<b>523</b> $\delta$ <i>Centauri</i> .									
May 16	6.0	13	9	22.82	...	109	17	35.2	M	May 8	4.5	13	23	58.44	...	128	46	35.1	R
June 17	5.5		9	23.08	...		17	36.0	R	16	5.9		23	58.56	...		46	36.0	M
										17	4.8		23	58.42	...		46	34.5	M
										June 4	4.6		23	58.43	...		46	35.6	M
										8	4.7		23	58.48	...		46	35.8	M
<b>517</b> 61 <i>Virginis</i>										<b>524</b> <i>Taylor</i> 6235.									
May 20	4.6	13	12	1.34	...	107	37	54.7	M	May 20	8.5	13	24	7.46	...	70	18	40.6	M
21	4.6		12	1.17	...		37	53.0	M	22	8.4		24	7.62	...		18	38.8	M
June 19	4.5		12	1.33	...		37	53.5	R	23	8.1		24	7.51	...		18	38.9	M
<b>518</b> 20 <i>Canum Venaticorum</i> .										<b>525</b> 79 <i>Virginis</i> $\zeta$									
May 22	5.4	13	12	4.37	...	48	47	3.3	M	May 10	...	13	28	28.65	...	39	58	14.9	R
										15	...		28	28.66	...		58	14.8	R
										June 7	...		28	28.85	...		58	15.9	M
										July 2	...		28	28.64	...		58	16.3	C.R
<b>519</b> 21 <i>Canum Venaticorum</i> .										<b>526</b> 24 <i>Canum Venaticorum</i> .									
May 3	...	13	13	0.70	...	39	40	20.7	R	May 4	5.0	13	29	27.94	...	40	21	32.0	R
15	5.0	13		3.96	...		40	30.6	R	8	5.0		29	27.93	...		21	35.1	R
28	5.4	13		3.75	...		40	31.6	M	21	5.1		29	27.89	...		21	31.4	M
June 4	5.3	13		3.43	...		40	33.2	M	June 12	5.1		29	28.12	...		21	34.6	M
8	5.5	13		2.94	...		40	31.2	M	15	5.3		29	27.93	5		21	35.4	M
					3.88				21.7										
<b>520</b> 67 <i>Virginis</i> $\alpha$ , <i>Spica</i> .										<b>527</b> 25 <i>Canum Venaticorum</i> .									
May 24	...	13	18	45.99	...	100	31	25.4	M	May 6	5.0	13	32	2.43	...	53	5	0.1	R
June 3	...		18	45.92	...		31	26.4	M	25	5.6		32	2.62	...		5	1.8	M
10	...		18	45.87	...		31	25.4	M	27	5.3		32	2.60	...		5	2.5	M
July 2	...		18	45.94	...		31	26.0	C.R	June 20	5.0		32	2.51	...		5	2.4	R
										26	5.0		32	2.67	...		5	2.5	R
<b>521</b> 68 <i>Virginis</i> $i$ .										<b>528</b> <i>Lacaille</i> 5632.									
May 15	5.0	13	20	16.55	...	102	4	17.7	R	May 23	5.9	13	33	56.63	...	143	56	27.0	M
29	5.0		20	16.57	...		4	19.5	M	June 1	6.0		33	56.58	...		56	27.5	M
June 1	5.3		20	16.69	...		4	20.3	M	4	5.5		33	56.59	...		56	25.2	M
5	5.3		20	16.62	...		4	21.2	M	5	5.9		33	56.45	...		56	26.1	M
19	5.0		20	16.23	...		4	17.8	R	19	5.5		33	56.57	...		56	26.3	R
<b>522</b> 69 <i>Virginis</i> .																			
May 4	...	13	20	56.77	...	105	20	23.9	R										
6	...		20	56.76	...		20	23.4	R										
10	...		20	56.66	...		20	23.6	R										
June 20	...		20	56.71	...		20	24.9	R										
July 12	...		20	56.84	...		20	24.2	C.R										

3.  
2.96  
2.2  
.24  
2.44



## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		.	'	"				h.	m.	s.		.	'	"	
<b>529</b> <i>83 Ursæ Majoris.</i>									<b>535</b> <i>Taylor 6424—2nd.</i>										
May 8	5.0	13	36	6.63	...	34	41	59.2	R	May 6	5.5	13	44	13.73	...	142	12	18.7	R
10	5.0		36	6.54	...		41	59.8	R	July 9	...		44	13.74	...		12	18.1	C.R.
16	5.6		36	6.78	...		41	58.6	M	<b>536</b> <i>3 Centauri k</i>									
June 10	5.9		36	6.57	...		41	59.6	M	May 27	4.6	13	44	47.28	...	122	23	16.7	M
11	5.0		36	6.69	...		41	56.5	M	June 18	4.5		44	47.26	...		23	17.6	R
<b>530</b> <i>1 Centauri i.</i>									<b>537</b> <i>4 Centauri h</i>										
May 6	5.0	13	38	45.30	...	122	25	32.1	R	May 23	5.5	13	46	11.35	...	121	19	26.8	M
17	5.0		38	45.38	...		25	31.9	M	June 4	5.1		46	11.39	...		19	27.5	M
29	5.3		38	45.15	...		25	32.9	M	5	5.4		46	11.57	...		19	28.1	M
June 8	5.4		38	45.20	...		25	33.4	M	<b>538</b> <i>Rumker 360.</i>									
18	5.0		38	45.25	...		25	34.7	R	May 15	7.8	13	46	12.23	...	150	43	55.7	R
<b>531</b> <i>Taylor 6376.</i>									25	8.0		46	12.35	...		43	56.5	M	
May 22	5.2	13	38	56.60	5	140	49	8.5	M	<b>539</b> <i>10 Draconis i</i>									
June 20	5.0		38	56.44	...		49	9.6	R	May 4	4.5	13	47	52.04	...	24	40	22.9	R
July 6	...		38	56.41	...		49	7.8	C.R.	10	4.5		47	52.02	...		40	23.6	R
8	...		38	56.56	...		49	9.5	C.R.	July 12	...		47	51.99	...		40	22.9	C.R.
12	...		38	56.68	...		49	9.5	C.R.	<b>540</b> <i>8 Bootis η</i>									
<b>532</b> <i>4 Bootis τ</i>									June 1	...	13	48	52.59	...	70	59	24.6	M	
May 10	...	13	41	27.76	...	71	56	3.2	R	7	...		48	52.49	...		59	23.3	M
20	...		41	27.67	...		56	4.6	M	8	...		48	52.48	...		59	23.9	M
21	...		41	27.78	...		56	2.4	M	15	...		48	52.57	...		59	26.7	M
June 12	...		41	27.89	...		56	4.4	M	19	...		48	52.54	...		59	24.1	R
13	...		41	27.93	...		56	4.5	M	26	...		48	52.40	...		59	23.2	R
<b>533</b> <i>2 Centauri g.</i>									<b>541</b> <i>G. Z. C. XIII.—3120.</i>										
May 8	5.0	13	42	22.79	...	123	50	25.9	R	July, 6	7.7	13	50	37.43	...	149	53	17.5	C.R.
28	5.3		42	22.72	...		50	26.8	M	<b>542</b> <i>9 Bootis.</i>									
31	5.2		42	22.72	...		50	26.4	M	May 6	5.0	13	50	59.74	...	61	54	36.6	R
June 3	5.3		42	23.00	...		50	26.4	M	80	5.3		50	59.77	...		54	36.7	M
19	5.0		42	22.75	...		50	25.5	R	June 10	5.8		50	59.99	...		54	34.4	M
<b>534</b> <i>5 Bootis υ</i>									18	5.0		50	59.93	...		54	33.1	R	
June 20	4.0	13	43	35.39	...	73	35	46.4	R	20	5.0		50	59.85	...		54	32.5	R
26	4.0		43	35.34	...		35	45.9	R										
July 10	...		43	35.47	...		35	44.8	C.R.										

## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension. 1878.			No. of Wires.	Mean Polar Distance. 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension. 1878.			No. of Wires.	Mean Polar Distance. 1878.			Observer.
		h.	m.	s.		.	'	"				h.	m.	s.		.	'	"	
<b>543</b> $\nu^1$ Centauri.									<b>549</b> $\eta$ Draconis $\alpha$										
May 22	5.1	13	51	9.08	...	184	12	25.9	M	May 28	4.0	14	1	5.25	...	25	2	22.4	M
29	5.0		51	9.04	...		12	25.7	M	June 15	4.0		1	4.98	4		2	27.7	M
31	5.3		51	9.15	...		12	25.9	M	18	3.5		1	5.05	...		2	23.9	R
June 11	5.8		51	9.25	...		12	25.4	M	19	3.5		1	5.08	...		2	23.0	R
July 8	...		51	9.25	...		12	26.1	C.R.	20	3.5		1	5.11	...		2	24.2	R
<b>544</b> $\nu^2$ Centauri.									<b>550</b> Taylor 6600.										
May 15	5.0	13	54	7.31	...	135	0	39.6	R	May 29	5.7	14	4	10.87	...	105	43	26.7	M
16	5.7		54	7.49	...		0	41.5	M	June 1	5.7		4	10.74	...		43	26.4	M
20	5.3		54	7.20	...		0	41.2	M	10	5.9		4	10.86	...		43	27.8	M
June 12	5.2		54	7.44	...		0	41.2	M	21	...		4	10.95	...		43	26.0	R
19	5.0		54	7.19	...		0	41.3	R	24	...		4	10.94	...		43	27.6	R
<b>545</b> 93 Virginis $\tau$									<b>551</b> 50 Hydræ.										
May 21	...	13	55	26.23	...	87	51	48.5	M	May 8	5.0	14	5	46.65	...	116	41	8.9	R
July 13	...		55	26.23	...		51	49.6	C.R.	15	5.0		5	46.53	...		41	8.5	R
15	...		55	26.35	...		51	52.2	C.R.	June 11	5.2		5	46.79	...		41	9.7	M
<b>546</b> $\eta$ Hydræ.									<b>552</b> Taylor 6616.										
May 4	5.5	13	55	26.57	...	116	50	21.7	R	July 8	5.5	14	6	28.15	...	146	30	48.5	C.R.
6	5.5		55	26.61	...		50	21.1	R	<b>553</b> 17 Bootis $\kappa$ -2nd.									
10	5.5		55	26.47	...		50	21.7	R	May 31	...	14	9	6.66	...	37	38	18.8	M
June 13	6.0		55	26.60	...		50	22.5	M	June 19	...		9	6.41	...		38	18.3	R
July 9	5.2		55	26.56	...		50	23.0	C.R.	20	...		9	6.48	...		38	19.1	R
<b>547</b> $\chi$ Centauri.									<b>554</b> 4 Ursæ Minoris.										
May 8	5.0	13	58	36.27	...	130	35	38.9	R	July 6	4.7	14	9	21.70	5	11	52	44.4	C.R.
25	5.3		58	36.22	...		35	39.1	M	9	5.2		9	21.18	5		52	44.0	C.R.
27	5.4		58	36.14	...		35	39.0	M	<b>555</b> Radcliffe 3170.									
June 5	5.1		58	36.21	...		35	39.2	M	July 12	5.0	14	9	48.23	...	19	59	38.0	C.R.
July 6	5.2		58	36.41	...		35	38.5	C.R.	15	...		9	48.12	...		59	40.5	C.R.
<b>548</b> 49 Hydræ $\pi$																			
May 15	...	13	59	25.56	...	116	5	36.4	R										
23	...		59	25.58	...		5	36.6	M										
24	...		59	25.38	...		5	38.2	M										
June 3	...		59	25.57	...		5	37.4	M										
4	...		59	25.59	...		5	38.2	M										

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Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
<b>556</b> 16 <i>Bootis a</i> , <i>Arcturus</i> .										<b>562</b> 52 <i>Hydræ</i> .									
May 16	...	14	10	5'88	...	70	10	52'4	M	June 11	...	14	21	1'95	...	118	56	32'8	M
30	...		10	5'81	...		10	55'6	M	21	...		21	1'85	...		56	30'8	R
June 8	...		10	5'96	...		10	55'7	M	<b>563</b> 23 <i>Bootis θ</i>									
15	...		10	5'89	...		10	57'2	M	July 15	...	14	21	2'45	...	87	35	5'8	C.R.
24	...		10	5'84	...		10	53'7	R	<b>564</b> <i>Anon.</i>									
25	...		10	5'81	...		10	53'3	R	May 25	9'5	14	21	40'14	...	93	50	23'9	M
Aug. 3	...		10	5'89	...		10	54'3	M	27	9'6		21	40'17	...		50	21'7	M
<b>557</b> 19 <i>Bootis λ</i>										28	9'6		21	39'92	...		50	22'9	M
June 21	...	14	11	44'64	...	43	21	1'7	R	June 20	9'0		21	39'99	...		50	21'3	R
26	4'0		11	44'72	...		21	2'9	R	July 6	9'5		21	40'05	...		50	22'8	C.R.
<b>558</b> $\psi$ <i>Centauri</i> .										<b>565</b> 105 <i>Virginis φ</i>									
June 12	5'0	14	18	8'50	...	127	19	23'4	M	June 25	...	14	21	54'92	...	91	40	47'7	R
13	5'8		18	8'63	...		19	22'5	M	27	5'0		21	54'98	...		40	47'9	R
July 10	4'8		18	8'43	...		19	21'1	C.R.	July 9	5'3		21	54'99	...		40	48'9	C.R.
11	5'0		18	8'58	...		19	22'2	C.R.	<b>566</b> $\sigma$ <i>Lupi</i> .									
<b>559</b> $\alpha$ <i>Centauri</i> .										May 31	6'0	14	24	24'65	...	139	54	51'6	M
June 3	5'3	14	15	31'69	...	128	57	12'1	M	June 12	5'4		24	24'47	...		54	53'9	M
4	5'0		15	31'65	...		57	12'2	M	19	5'0		24	24'83	...		54	52'0	R
5	5'0		15	31'44	...		57	12'4	M	26	5'0		24	24'65	...		54	53'2	R
July 8	5'2		15	31'69	...		57	13'3	C.R.	July 11	5'3		24	24'51	...		54	52'0	C.R.
9	5'0		15	31'59	...		57	11'3	C.R.	<b>567</b> <i>Taylor 6786</i> .									
<b>560</b> $\tau^1$ <i>Lupi</i> .										June 4	7'5	14	26	24'47	...	146	1	31'3	M
June 1	5'3	14	18	18'76	...	134	40	6'4	M	<b>568</b> 25 <i>Bootis ρ</i>									
10	5'7		18	18'80	...		40	5'3	M	May 20	...	14	26	34'84	...	59	5	31'0	M
18	5'0		18	18'78	...		40	6'8	R	21	...		26	34'30	...		5	30'0	M
July 12	4'7		18	18'84	...		40	5'0	C.R.	22	...		26	34'30	...		5	30'8	M
<b>561</b> $\tau^2$ <i>Lupi</i> .										June 15	...		26	34'29	...		5	32'9	M
June 19	5'0	14	18	20'43	...	134	49	34'5	R	21	...		26	34'35	...		5	32'7	R
29	...		18	20'48	...		49	34'4	R	24	...		26	34'26	...		5	32'8	R
July 13	5'0		18	20'60	...		49	32'4	C.R.	27	...		26	34'35	...		5	31'5	R
16	...		18	20'64	...		49	33'4	C.R.	29	...		26	34'36	...		5	32'7	R
										Aug. 3	...		26	34'34	...		5	30'2	M

164  
175

## Separate Results of Madras Meridian Circle Observations in 1878.

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		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
<b>569</b> 27 Bootis $\gamma$									<b>576</b> 31 Bootis.										
June 8	...	14	27	9.90	...	51	9	24.6	M	July 18	5.0	14	35	39.22	...	81	18	54.3	C.R.
18	...	27	10.02	...	...	9	26.6	M	29	...	35	39.29	4	...	18	55.9	C.R.		
July 4	...	27	10.05	...	...	9	26.7	C.R.	<b>577</b> $c^1$ Centauri.										
6	...	27	9.95	5	...	9	27.5	C.R.	June 12	5.0	14	36	11.83	...	124	38	48.4	M	
<b>570</b> 5 Ursæ Minoris.									July 9	4.7	36	11.93	...	38	48.2	C.R.			
July 10	...	14	27	47.99	5	13	45	38.9	C.R.	10	5.2	36	11.93	...	38	48.0	C.R.		
12	...	27	48.02	4	...	45	42.2	C.R.	<b>578</b> $c^2$ Centauri.										
16	...	27	48.10	5	...	45	40.3	C.R.	July 12	6.0	14	37	30.63	...	124	40	24.7	C.R.	
<b>571</b> 28 Bootis $\sigma$									<b>579</b> 34 Bootis.										
June 18	5.0	14	29	22.22	...	59	43	26.6	R	June 8	4.9	14	38	3.55	...	62	57	10.0	M
19	5.0	29	22.16	...	...	43	26.5	R	13	4.8	38	3.62	...	57	9.7	M			
20	5.0	29	22.26	...	...	43	26.7	R	July 16	5.7	38	3.59	...	57	8.7	C.R.			
July 8	5.7	29	22.40	...	...	43	25.9	C.R.	<b>580</b> 35 Bootis $\circ$										
15	5.2	29	22.10	...	...	43	26.6	C.R.	June 28	4.5	14	39	32.74	...	72	31	3.5	R	
<b>572</b> $\rho$ Lupi.									July 15	5.0	39	32.85	...	31	6.1	C.R.			
June 1	5.2	14	29	41.24	...	138	53	33.4	M	<b>581</b> 36 Bootis $\epsilon$ , Mirac.									
July 9	4.7	29	41.40	...	...	53	33.6	C.R.	May 20	...	14	39	39.49	...	62	24	37.7	M	
<b>573</b> $l$ Centauri.									23	...	39	39.61	...	24	38.3	M			
May 31	5.4	14	34	23.10	...	127	16	5.3	M	June 24	...	39	39.60	...	24	38.1	R		
June 10	5.7	34	23.12	...	...	16	7.5	M	July 8	...	39	39.67	...	24	37.7	C.R.			
11	5.2	34	23.16	...	...	16	7.4	M	<b>582</b> Anon.										
20	5.0	34	22.92	...	...	16	8.0	R	June 22	5.0	14	40	17.01	...	116	6	39.7	R	
22	5.0	34	23.12	...	...	16	7.7	R	<b>583</b> 56 Hydræ.										
<b>574</b> 29 Bootis $\pi$									June 15	5.5	14	40	37.74	...	115	34	29.9	M	
June 5	...	14	34	59.71	...	73	3	28.5	M	<b>584</b> 7 Libræ $\mu$									
25	...	34	59.55	...	...	3	28.1	R	June 21	...	14	42	37.90	...	103	38	20.0	R	
27	...	34	59.56	...	...	3	29.4	R	27	5.0	42	37.95	...	38	20.7	R			
July 4	...	34	59.81	5	...	3	29.7	C.R.	29	...	42	37.89	...	38	22.2	R			
6	...	34	59.65	5	...	3	28.6	C.R.	[37.71]										
<b>575</b> 30 Bootis $\zeta$																			
June 3	...	14	35	19.52	...	75	44	51.8	M										
21	...	35	19.61	...	...	44	50.2	R											
26	...	35	19.50	...	...	44	52.0	R											
July 11	...	35	19.33	...	...	44	50.2	C.R.											
13	...	35	19.54	5	...	44	50.7	C.R.											

## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
<b>585</b> 58 <i>Hydræ</i> .									<b>592</b> <i>Radcliffe</i> 3305.										
July 11	5.2	14	48	7.52	...	117	27	3.2	C.R.	June 5	5.0	14	55	39.01	...	23	34	49.6	M
<b>586</b> $\alpha$ <i>Lupi</i> .									15 5.3 55 38.95 ... 34 52.1 M										
June 1	5.0	14	43	40.88	...	133	4	7.8	M	July 10	5.2	55	38.80	5	34	50.9	C.R.		
11	5.4	43	40.93	...	...	4	6.9	M	11	5.7	55	38.77	...	34	52.7	C.R.			
July 10	5.5	43	40.76	...	...	4	6.6	C.R.	<b>593</b> 110 <i>Virginis</i> .										
<b>587</b> 9 <i>Libræ</i> $\alpha^2$									June 8 ... 14 56 44.14 ... 87 25 41.8 M										
May 22	...	14	44	7.73	...	105	32	1.2	M	11	...	56	44.28	...	25	42.0	M		
25	...	44	7.79	...	...	31	59.8	M	13	...	56	44.20	...	25	42.0	M			
June 20	...	44	7.85	...	...	32	1.1	R	<b>594</b> $\pi$ <i>Lupi</i> .										
25	...	44	7.91	...	...	32	0.9	R	June 20	5.0	14	56	49.18	...	136	34	19.0	R	
26	...	44	7.87	...	...	32	1.6	R	26	5.0	56	49.08	...	34	20.0	R			
28	...	44	7.85	...	...	31	59.3	R	29	...	56	49.13	...	34	19.4	R			
July 12	...	44	7.92	...	...	31	59.8	C.R.	July 15	5.0	56	49.27	6	34	19.1	C.R.			
<b>588</b> 37 <i>Bootis</i> $\xi^2$ —2nd.									16 ... 56 49.26 ... 34 18.3 C.R.										
June 10	4.7	14	45	45.86	...	70	23	20.1	M	<b>595</b> 20 <i>Libræ</i> .									
July 8	...	45	45.89	6	...	23	20.5	C.R.	June 12	...	14	56	55.87	...	114	48	8.8	M	
9	5.0	45	45.79	...	...	23	30.1	C.R.	19	...	56	55.77	...	48	2.8	R			
13	5.2	45	45.69	...	...	23	28.8	C.R.	22	...	56	55.89	...	48	3.4	R			
<b>589</b> <i>Taylor</i> 6953.									July 4 ... 56 56.08 4 48 4.5 C.R.										
June 3	5.9	14	48	15.85	...	123	21	33.4	M	6	...	56	55.89	...	48	3.7	C.R.		
22	5.5	48	15.73	...	...	21	32.3	R	<b>596</b> <i>Radcliffe</i> 3325.										
27	5.5	48	15.70	...	...	21	32.6	R	July 9	5.2	14	58	41.55 <sup>12</sup>	8	6	59	17.7	C.R.	
July 6	5.2	48	15.61	...	...	21	32.6	C.R.	<b>597</b> 43 <i>Bootis</i> $\psi$										
16	...	48	15.73	...	...	21	32.0	C.R.	May 23	...	14	59	18.07	...	62	34	31.3	M	
<b>590</b> 15 <i>Libræ</i> $\xi^2$									25 ... 59 18.08 ... 34 32.3 M										
June 19	...	14	50	8.85	...	100	54	57.6	R	27	...	59	18.07	...	34	32.5	M		
21	...	50	8.92	...	...	54	57.1	R	June 21	...	59	13.05	...	34	33.8	R			
25	...	50	8.92	...	...	54	58.4	R	July 8	...	59	18.35	...	34	32.4	C.R.			
July 12	...	50	8.99	...	...	54	56.6	C.R.	<b>598</b> 44 <i>Bootis</i> $\epsilon$										
<b>591</b> 16 <i>Libræ</i> .									June 10 ... 14 59 45.93 ... 41 52 6.7 M										
June 4	...	14	50	48.96	...	93	50	53.9	M										
20	...	50	48.82	...	...	50	54.6	R											
26	...	50	48.81	...	...	50	55.2	R											
July 15	...	50	48.89	...	...	50	56.2	C.R.											

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		h.	m.	s.		°	'	"				°	'	"					
<b>599</b> <i>Taylor 7053.</i>										June 25	...	15	10	26:50	...	98	55	52:5	R
July 11	6:0	15	2	10:98	...	144	52	47:4	C.R.	27	...	10	26:51	...	55	52:0	R		
12	6:2	2	11:05	...	52	46:1	C.R.	29	...	10	26:50	...	55	52:4	R				
<b>600</b> <i>κ Lupi—1st.</i>										July 6	...	10	26:53	...	55	53:7	C.R.		
June 19	5:0	15	3	27:47	...	138	16	19:5	R	Aug. 5	...	10	26:59	...	55	52:0	M		
July 10	4:7	3	27:64	5	16	18:6	C.R.	<b>608</b> <i>49 Bootis δ—1st.</i>											
<b>601</b> <i>R. P. L. 111.</i>										June 24	...	15	10	34:90	...	56	13	44:9	R
July 13	...	15	4	7:51	3	5	34	37:8	C.R.	26	3:5	10	34:81	...	13	43:7	R		
<b>602</b> <i>ε Lupi.</i>										<b>609</b> <i>S Libræ, Var. 5.</i>									
June 20	5:5	15	4	38:05	...	134	2	16:9	R	July 10	9:8	15	14	23:73	6	109	56	47:1	C.R.
22	5:5	4	38:06	...	2	17:2	R	12	9:9	14	23:88	5	56	49:3	C.R.				
26	5:5	4	37:95	...	2	16:5	R	13	9:8	14	23:78	5	56	47:6	C.R.				
<b>603</b> <i>β Circini.</i>										<b>610</b> <i>φ<sup>2</sup> Lupi.</i>									
July 15	5:3	15	7	58:73	...	143	20	37:3	C.R.	June 27	5:0	15	15	21:61	...	126	25	9:5	R
<b>604</b> <i>48 Bootis χ</i>										28	5:0	15	21:59	...	25	9:3	R		
June 21	...	15	9	23:28	...	60	22	54:0	R	29	...	15	21:56	...	25	10:0	R		
8	5:7	9	23:33	...	22	54:0	C.R.	<b>611</b> <i>11 Ursæ Minoris.</i>											
<b>605</b> <i>μ Lupi—1st.</i>										July 11	5:0	15	17	12:12	5	17	43	59:2	C.R.
July 11	4:8	15	10	3:25	...	137	25	26:7	C.R.	15	5:7	17	12:15	5	44	0:6	C.R.		
<b>606</b> <i>2 Lupi δ</i>										<b>612</b> <i>R. P. L. 114—s.p.</i>									
June 11	4:9	15	10	24:65	...	119	41	54:7	M	Jan. 5	...	15	17	12:37	2	2	18	3:8	M
15	4:9	10	24:42	...	41	55:2	M	8	...	17	12:35	3	18	3:5	M				
<b>607</b> <i>27 Libræ β</i>										10	...	17	12:45	3	18	3:4	M		
May 25	...	15	10	26:64	...	98	55	52:5	M	14	...	17	12:64	3	18	3:3	M		
June 1	...	10	26:53	...	55	51:9	M	Dec. 7	...	17	11:91	2	18	6:7	R				
12	...	10	26:50	...	55	53:0	M	21	...	17	12:81	2	18	3:5	R				
13	...	10	26:36	...	55	52:8	M	<b>613</b> <i>51 Bootis μ</i>											
17	...	10	26:47	...	55	52:0	R	June 13	...	15	19	52:97	...	52	11	37:3	M		
19	...	10	26:55	...	55	53:5	R	22	...	19	52:92	...	11	38:0	R				
22	...	10	26:51	...	55	52:0	R	24	...	19	53:08	...	11	37:9	R				
<b>614</b> <i>13 Ursæ Minoris γ</i>										July 13	...	15	20	55:79	5	17	43	53:4	C.R.

## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
<b>615</b> 3 <i>Coronæ Borealis</i> $\beta$									<b>621</b> 3 <i>Lupi</i> $\psi^1$										
June 4	4.4	15	22	48.18	...	60	28	21.9	M	July 10	5.9	15	32	1.31	6	124	0	42.3	C.R.
15	4.9	22	47.88	...		28	22.8	M	<b>622</b> <i>g Lupi.</i>										
17	4.0	22	48.04	...		28	20.9	R	July 15	5.8	15	32	48.77	...	134	15	21.7	C.R.	
19	4.0	22	47.93	...		28	21.2	R	<b>623</b> <i>h Lupi.</i>										
July 2	...	22	47.85	6		28	19.4	C.R.	July 9	...	15	34	42.76	...	127	1	55.1	C.R.	
<b>616</b> <i>e Trianguli Australis.</i>									<b>624</b> 7 <i>Coronæ Borealis</i> $\zeta$ —2nd.										
June 27	5.0	15	25	84.84	...	155	54	16.3	R	June 18	6.0	15	34	47.22	...	52	58	0.4	M
July 6	4.7	25	84.69	...		54	17.1	C.R.	July 8	5.3	34	47.31	6		57	59.9	C.R.		
10	5.2	25	84.79	5		54	14.8	C.R.	<b>625</b> 15 <i>Ursæ Minoris</i> $\theta$										
11	4.5	25	84.81	...		54	15.1	C.R.	July 11	4.8	15	35	4.08	5	12	14	41.8	C.R.	
15	5.5	25	84.95	...		54	16.6	C.R.	18	5.7	35	3.86	5		14	41.2	C.R.		
<b>617</b> <i>B. H. 952.</i>									<b>626</b> 21 <i>Serpentis</i> $\iota$										
June 19	5.5	15	27	51.24	5	98	46	16.1	R	June 20	...	15	36	6.53	...	69	56	8.6	R
22	5.5	27	51.35	...		46	17.3	R	26	...	36	6.47	...		56	9.9	R		
July 18	6.0	27	51.36	...		46	17.9	C.R.	July 12	...	36	6.73	...		56	6.9	C.R.		
<b>618</b> 4 <i>Coronæ Borealis</i> $\theta$									<b>627</b> 44 <i>Libræ</i> $\eta$										
June 24	...	15	28	0.77	...	58	13	41.0	R	June 10	...	15	37	12.84	...	105	16	56.1	M
25	...	28	0.78	...		13	41.2	R	<b>628</b> 8 <i>Coronæ Borealis</i> $\gamma$										
28	4.5	28	0.73	...		13	42.0	R	June 17	...	15	37	37.24	...	63	18	59.7	R	
July 8	5.0	28	0.85	...		13	40.6	C.R.	27	...	37	37.80	...		18	58.7	R		
<b>619</b> 5 <i>Coronæ Borealis</i> $\alpha$ , <i>Alpheta.</i>									<b>629</b> 24 <i>Serpentis</i> $\alpha$										
June 3	...	15	29	31.39	...	62	52	24.2	M	June 18	...	15	38	15.50	...	83	11	21.1	R
17	...	29	31.47	...		52	28.5	R	19	...	38	15.51	...		11	20.9	R		
20	...	29	31.39	...		52	28.7	R	22	...	38	15.68	...		11	21.1	R		
21	...	29	31.45	...		52	28.6	R	28	...	38	15.58	...		11	20.5	R		
26	...	29	31.48	...		52	24.2	R	29	...	38	15.57	...		11	19.7	R		
July 12	...	29	31.23	...		52	23.4	C.R.	July 2	...	38	15.54	...		11	21.0	C.R.		
Aug. 5	...	29	31.44	...		52	24.5	M	6	...	38	15.54	...		11	21.4	C.R.		
9	...	29	31.89	...		52	28.4	M	10	...	38	15.58	...		11	20.2	C.R.		
12	...	29	31.45	...		52	24.1	M	<b>620</b> 40 <i>Libræ.</i>										
June 27	...	15	31	9.73	...	119	22	28.3	R										
29	...	31	9.84	...		22	29.7	R											
July 2	...	31	9.99	5		22	29.9	C.R.											

Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.										
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"											
July 23	...	15	38	15.53	...	88	11	18.2	C.R.	<b>637</b>	11 <i>Coronæ Borealis</i> $\kappa$								C.R.										
Aug. 6	...	38	15.50	...	11	19.2	M	July 13	...		15	46	38.06	...	53	57	45.4												
9	...	38	15.51	...	11	19.0	M	<b>638</b>	$\xi$ <i>Lupi</i> —1st.																				
12	...	38	15.53	...	11	20.1	M		June 12		...	15	49	5.69	...	123	36	26.5		M									
<b>630</b> 27 <i>Serpentis</i> $\lambda$									July 13	...	49	5.06	...	36	25.3	M	<b>639</b>	$\xi$ <i>Lupi</i> —2nd.											
June 11	...	15	40	31.42	...	82	15	45.1	M	July 15	...	49	5.90	...	36	27.6		C.R.	June 17	6.2	15	49	6.22	...	123	36	18.5	R	
July 15	...	40	31.42	...	15	48.3	C.R.	<b>631</b> 35 <i>Serpentis</i> $\kappa$	July 19	6.5	49	6.23	3	36	18.0	R	<b>640</b>	$\eta$ <i>Lupi</i> —1st.											
June 20	4.0	15	43	14.82	...	71	28		49.1	R	20	6.5	49	6.18	...	36		19.0	R	June 11	4.3	15	52	2.41	...	128	2	45.3	M
22	4.0	43	14.83	...	28	49.2	R		<b>632</b> $\kappa$ <i>Trianguli Australis</i> .	26	4.5	52	2.19	...	2	47.6		R	22	4.5	52	2.29	...	2	46.8	R			
28	4.0	43	14.84	...	28	48.3	R			July 11	5.0	15	43	27.69	...	158		14	14.1	C.R.	26	4.5	52	2.19	...	2	47.6	R	
<b>633</b> 1 <i>Scorpii</i> $\delta$									July 9	4.0	52	2.40	...	2	46.4	C.R.	<b>641</b> 13 <i>Coronæ Borealis</i> $\epsilon$	June 24											
June 17	5.0	15	43	38.65	...	115	22	44.5	R	<b>642</b>	Taylor 7437.																		
19	5.0	43	38.63	...	22	42.7	R	June 17	5.5		15	55	17.56	...	128	15		37.8	R	<b>643</b>	44 <i>Serpentis</i> $\pi$								
26	5.0	43	38.52	...	22	43.8	R	28	5.5		55	17.58	...	15	36.1	R		<b>644</b>	$\delta$ <i>Normæ</i> .										
Aug. 5	5.7	43	38.58	...	22	42.6	M	July 8	5.3		55	17.71	...	15	37.4	C.R.	July 11		4.7		15	57	52.34	...	134	50	24.2	C.R.	
<b>634</b> 10 <i>Coronæ Borealis</i> $\delta$									June 24	...	15	52	31.94	...	62	46	4.0		R		<b>644</b>	July 15							
June 24	...	15	44	28.00	...	63	33	25.2	R	27	...	52	31.98	...	46	4.6	R		<b>644</b>	July 15									
27	4.5	44	28.63	...	33	25.9	R	July 2	...	52	32.01	...	46	4.2	C.R.	<b>644</b>	July 15												
July 8	4.5	44	28.85	...	33	24.6	C.R.	6	...	52	31.98	...	46	3.7	C.R.		<b>644</b>	July 15											
10	...	44	28.50	...	33	23.3	C.R.	12	...	52	32.12	...	46	2.4	C.R.			<b>644</b>		July 15									
<b>635</b> 38 <i>Serpentis</i> $\rho$									June 17	5.5	15	55	17.56	...	128				15	37.8	R	<b>644</b>	July 15						
July 2	...	15	45	54.42	...	68	39	15.0	C.R.	28	5.5	55	17.58	...	15	36.1			R	<b>644</b>	July 15								
6	4.5	45	54.43	...	39	15.5	C.R.	July 8	5.3	55	17.71	...	15	37.4	C.R.	<b>644</b>	July 15												
12	6.0	45	54.35	...	39	13.5	C.R.	June 15	5.0	15	57	2.40	...	66	51		22.7	M	<b>644</b>		July 15								
<b>636</b> R. P. L. 115.									July 9	...	15	46	15.23	3	4		45	23.3			C.R.	<b>644</b>	July 15						
<b>636</b> R. P. L. 115—s p.									Dec. 28	...	15	46	14.20	2	4		45	29.5		R	<b>644</b>		July 15						
<b>636</b> R. P. L. 115—s p.									Dec. 28	...	15	46	14.20	2	4	45	29.5	R		<b>644</b>			July 15						
<b>636</b> R. P. L. 115—s p.									Dec. 28	...	15	46	14.20	2	4	45	29.5	R	<b>644</b>				July 15						

49.0  
49.4  
49.5



*Separate Results of Madras Meridian Circle Observations in 1878.*

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
<b>645</b> 8 <i>Scorpii</i> $\beta^1$									<b>652</b> <i>Radeliffe</i> 3511.										
June 18	...	15	58	20.75	...	109	28	10.9	R	July 15	...	16	5	59.56	5	21	52	4.5	C.R.
20	...	58	20.67	...	...	28	8.7	R	<b>653</b> 1 <i>Ophiuchi</i> $\delta$										
27	...	58	20.67	...	...	28	9.8	R	June 5	...	16	7	57.09	...	98	22	43.9	M	
July 9	...	58	20.67	6	...	28	11.0	C.R.	6	...	7	56.98	...	...	22	43.1	M		
10	...	58	20.05	...	...	28	9.6	C.R.	12	...	7	57.06	...	...	22	42.3	M		
16	...	58	20.07	...	...	28	9.7	C.R.	17	...	7	57.07	...	...	22	43.0	R		
23	...	58	20.65	...	...	28	8.6	C.R.	22	...	7	57.06	...	...	22	43.7	R		
Aug. 6	...	58	20.66	...	...	28	9.5	M	28	...	7	57.10	...	...	22	42.9	R		
12	...	58	20.72	...	...	28	8.0	M	July 6	...	7	57.13	...	...	22	44.0	C.R.		
<b>646</b> 10 <i>Scorpii</i> $\omega^2$									9	...	7	57.14	...	...	22	44.4	C.R.		
June 17	4.5	16	0	15.14	...	110	32	14.3	R	10	...	7	57.10	...	...	22	43.0	C.R.	
22	4.5	0	15.00	...	...	32	17.4	R	11	...	7	57.02	...	...	22	44.5	C.R.		
28	4.5	0	15.03	...	...	32	17.2	R	12	...	7	57.15	...	...	22	43.1	C.R.		
July 2	...	0	15.12	5	...	32	14.3	C.R.	18	...	7	57.13	...	...	22	43.6	C.R.		
6	5.2	0	15.19	...	...	32	14.5	C.R.	16	...	7	57.10	...	...	22	43.0	C.R.		
<b>647</b> <i>m Scorpii</i> .									28	...	7	57.14	...	...	22	42.3	C.R.		
July 12	5.5	16	0	41.67	...	115	59	52.8	C.R.	Aug. 9	...	7	57.16	...	...	22	41.0	M	
<b>648</b> <i>R. P. L.</i> 116— <i>s. p.</i>									<b>654</b> 18 <i>Scorpii</i> .										
Jan. 18	...	16	1	50.99	3	4	21	2.7	M	July 2	...	16	8	50.39	...	98	2	42.3	C.R.
22	...	1	50.85	3	...	21	3.0	M	<b>655</b> $\lambda$ <i>Normæ</i> .										
26	...	1	50.74	3	...	21	0.6	M	June 18	5.5	16	10	43.21	...	132	22	27.1	R	
29	...	1	49.43	3	...	21	1.0	M	20	5.5	10	43.18	...	...	22	23.8	R		
31	...	1	49.50	3	...	21	0.7	M	27	5.5	10	43.15	...	...	22	23.0	R		
<b>649</b> $\zeta$ <i>Normæ</i> .									<b>656</b> 3 <i>Ophiuchi</i> $\nu$										
July 8	5.8	16	3	40.42	...	145	13	19.7	C.R.	Aug. 3	...	16	21	12.25	...	98	5	47.7	M
<b>650</b> 13 <i>Scorpii</i> $e^2$ .									6	...	21	12.29	...	...	5	49.0	M		
June 11	5.2	16	4	47.43	...	117	36	29.4	M	<b>657</b> 21 <i>Scorpii</i> $a$ , <i>Antares</i> .									
18	5.0	4	47.45	...	...	36	29.5	R	June 5	...	16	21	55.91	...	116	9	34.5	M	
<b>651</b> 15 <i>Scorpii</i> $\psi$									18	...	21	55.67	...	...	9	34.5	R		
June 20	5.0	16	5	19.36	...	99	44	47.3	R	July 8	...	21	55.93	...	...	9	34.5	C.R.	
27	5.0	5	19.32	...	...	44	47.3	R	9	...	21	55.68	...	...	9	34.1	C.R.		
									11	...	21	55.68	...	...	9	34.3	C.R.		
									13	...	21	55.71	...	...	9	33.3	C.R.		
									15	...	21	55.33	...	...	9	34.7	C.R.		

Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.									
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"										
July 16	...	16	21	55.71	...	116	9	33.5	C.R.	<i>22 Ursæ Minoris e-s.p.</i>									Feb. 6	...	16	58	32.50	3	7	45	53.1	R
27	...	21	55.80	...	...	9	34.2	C.R.	9										...	58	31.91	3	45	53.2	R			
Aug. 5	...	21	55.61	...	...	9	34.4	M	13										...	58	31.50	3	45	53.5	R			
<b>658</b>		<i>W. B. E. 634.</i>								<i>666 Lacaille 7107.</i>																		
June 17	9.0	16	34	31.01	...	103	9	16.6	R										Aug. 16	5.5	17	0	50.18	...	157	2	13.9	R
18	9.0	34	31.01	...	...	9	17.6	R	<i>667 36 Ophiuchi A-1st.</i>																			
27	9.0	34	31.09	...	...	9	18.8	R										Aug. 5	5.3	17	7	50.55	...	116	28	19.2	M	
<b>659</b>		<i>42 Hercules.</i>								<i>668 64 Hercules α, Var. 1</i>																		
Aug. 3	5.9	16	35	26.19	...	40	49	53.9	M										July 24	...	17	9	4.99	...	75	28	7.2	C.R.
<b>660</b>		<i>40 Hercules ζ</i>								<i>669 42 Ophiuchi θ</i>																		
June 4	...	16	36	41.27	...	58	10	30.2	M										Aug. 14	...	14	30.98	...	52	31.5	R		
6	...	36	41.31	...	...	10	30.8	M	<i>670 γ Aræ.</i>																			
July 15	...	36	41.11	...	...	10	32.2	C.R.											Aug. 15	3.0	17	15	7.63	...	146	15	33.7	R
27	...	36	41.11	...	...	10	30.3	C.R.	16	3.0	15	7.70	...	15	33.4	R												
<b>661</b>		<i>μ<sup>1</sup> Scorpii.</i>								<i>671 β Aræ.</i>																		
June 12	...	16	43	36.53	...	127	50	9.8	M										Aug. 19	3.0	17	15	9.51	...	145	24	41.3	R
13	...	43	36.46	...	...	50	9.7	M	20										3.0	15	9.45	...	24	38.6	R			
15	...	43	36.19	...	...	50	10.0	M	<i>672 κ<sup>1</sup> Aræ.</i>																			
<b>662</b>		<i>Taylor 7802.</i>																July 27	...	17	16	29.64	...	140	31	10.2	C.R.	
June 18	6.4	16	45	27.99	...	131	36	5.9	R	Aug. 17	...	16	29.42	...	31	9.3	R											
27	6.6	45	28.17	...	...	36	5.0	R	21	5.0	16	29.52	...	31	9.2	R												
<b>663</b>		<i>Taylor 7803.</i>								<i>673 51 Ophiuchi c<sup>2</sup>.</i>																		
June 17	7.0	16	45	29.97	...	131	35	12.8	R										July 24	...	17	23	53.35	...	113	51	57.5	C.R.
20	7.0	45	29.98	...	...	35	12.4	R	27										...	23	53.56	...	51	59.1	C.R.			
<b>664</b>		<i>27 Ophiuchi κ</i>								<i>674 22 Ursæ Minoris ε</i>																		
July 24	...	16	51	53.70	...	80	26	0.4	C.R.										Aug. 3	...	23	53.26	...	51	58.3	M		
27	...	51	53.65	...	...	26	2.4	C.R.	6										...	23	53.45	...	51	58.1	M			
Aug. 3	...	51	53.51	...	...	26	1.1	M	17										...	23	53.31	...	51	57.4	R			
6	...	51	53.61	...	...	26	0.3	M																				

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## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
<b>674</b> <i>55 Ophiuchi α</i>										<b>681</b> <i>Lacaille 7506.</i>									
Aug. 14	...	17	29	16.26	...	77	20	55.9	R	Aug. 14	...	17	48	47.47	...	116	44	54.4	R
16	...		29	16.24	...		20	55.4	R	16	7.2		48	47.38	...		44	54.2	R
20	...		29	16.30	...		20	56.0	R	<b>682</b> <i>Lacaille 7502.</i>									
21	...		29	16.24	...		20	55.5	R	Aug. 15	7.0	17	48	50.45	...	122	40	1.2	R
<b>675</b> <i>85 Hercules ι</i>										17	...		48	50.43	...		40	1.7	R
Aug. 30	4.0	17	36	1.16	...	43	55	38.5	R	<b>683</b> <i>Taylor 8300—1st.</i>									
<b>676</b> <i>Taylor 8199.</i>										Aug. 20	5.0	17	51	15.18	...	120	14	16.8	R
Aug. 13	6.5	17	36	42.58	5	65	21	52.1	R	21	5.2		51	15.30	...		14	15.8	R
14	...		36	42.51	...		21	54.6	R	24	5.0		51	15.17	...		14	16.4	R
15	6.5		36	42.44	...		21	53.3	R	Sep. 3	5.0		51	15.43	...		14	17.4	R
16	6.4		36	42.56	...		21	53.2	R	<b>684</b> <i>32 Draconis ξ</i>									
<b>677</b> <i>Taylor 8227.</i>										Aug. 28	3.5	17	51	25.16	...	33	6	28.2	R
Aug. 20	5.5	17	41	14.70	...	121	39	31.7	R	30	3.5		51	25.13	...		6	26.1	R
21	5.5		41	14.32	...		39	30.5	R	<b>685</b> <i>91 Hercules θ</i>									
24	5.5		41	14.98	...		39	31.2	R	Aug. 29	4.0	17	52	4.08	...	52	43	54.1	R
<b>678</b> <i>86 Hercules μ</i>										Sep. 12	4.0		52	3.86	...		43	55.1	R
July 24	...	17	41	40.90	...	62	12	23.1	C.R.	<b>686</b> <i>57 Serpentis ζ</i>									
Aug. 14	...		41	41.08	...		12	22.5	R	Sep. 4	5.0	17	54	2.47	...	98	40	50.3	R
15	...		41	41.04	...		12	23.3	R	<b>687</b> <i>66 Ophiuchi.</i>									
17	...		41	41.00	...		12	22.4	R	Aug. 31	...	17	54	12.14	...	85	37	19.7	R
19	...		41	41.04	...		12	22.2	R	<b>688</b> <i>69 Ophiuchi τ</i>									
26	...		41	41.11	...		12	22.9	R	Aug. 30	5.0	17	56	26.33	...	98	10	40.1	R
30	...		41	41.04	...		12	22.0	R	<b>689</b> <i>96 Hercules.</i>									
<b>679</b> <i>62 Ophiuchi γ</i>										Aug. 28	5.0	17	57	10.08	...	69	9	55.8	R
Aug. 28	4.0	17	41	46.43	...	87	14	42.8	R	Sep. 3	5.0		57	10.23	...		9	54.9	R
29	4.0		41	46.52	...		14	41.1	R	<b>680</b> <i>Lacaille 7494.</i>									
<b>680</b> <i>Lacaille 7494.</i>										Aug. 5 <sup>1/2</sup>	7.0	17	48	17.52	...	122	27	7.4	M
Aug. 13	7.0		48	17.37	...		27	7.4	R	13	7.0		48	17.37	...		27	7.4	R

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Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
<b>690</b> 70 <i>Ophiuchi</i> —1st.										<b>698</b> <i>g Sagittarii</i> .									
Sep. 4	4.5	17	59	17.44	...	87	28	11.0	R	Aug. 21	5.5	18	10	24.92	...	117	5	3.1	R
12	4.5	59	17.39	...		28	11.4	R	28	5.5	10	24.80	...		5	4.6	R		
<b>691</b> <i>ε Telescopii</i> .										Sep. 3    5.5    10 25.03    ...    5 4.0    R									
Aug. 18	4.5	18	2	10.36	...	135	58	21.5	R	<b>699</b> 23 <i>Ursæ Minoris</i> δ									
14	4.5	2	10.33	...		58	22.8	R	Aug. 19	...	18	11	41.02	3	3	28	28.8	R	
16	4.5	2	10.26	...		58	23.4	R	23 <i>Ursæ Minoris</i> δ—s.p.										
17	...	2	10.36	...		58	25.2	R	Feb. 4	...	18	11	41.00	3	3	23	30.2	R	
<b>692</b> <i>Lacaille</i> 7561.										16    ...    11 41.52    3    23 29.9    R									
Aug. 31	5.5	18	2	32.04	...	153	42	45.8	R	20	...	11	41.05	3	23	32.4	R		
<b>693</b> 103 <i>Herculis</i> ο										Mar. 2    ...    11 41.75    3    23 32.3    R									
Aug. 28	4.0	18	2	46.83	...	61	15	11.7	R	9	...	11	41.10	3	23	30.0	M		
29	4.0	2	46.87	...		15	10.2	R	12	...	11	41.48	3	23	33.0	M			
Sep. 3	4.0	2	47.06	...		15	10.7	R	<b>700</b> <i>Anon.</i>										
<b>694</b> <i>Lacaille</i> 7577										Aug. 24    7.0    18 12 35.31    ...    127 32 12.1    R									
Aug. 19	5.0	18	4	5.53	...	153	5	4.3	R	26	7.0	12	35.27	...	32	12.7	R		
21	5.0	4	5.48	...		5	1.1	R	Sep. 12	7.0	12	35.25	...	32	13.4	R			
23	5.0	4	5.47	...		5	2.8	R	<b>701</b> <i>Radcliffe</i> 3885.										
<b>695</b> 13 <i>Sagittarii</i> μ <sup>1</sup>										Aug. 30    5.0    18 13 14.45    ...    94 6 35.4    R									
Aug. 13	...	18	6	27.86	...	111	5	18.3	R	<b>702</b> 105 <i>Herculis</i> .									
15	...	6	27.92	...		5	18.3	R	Aug. 29	5.0	18	14	9.40	...	65	36	11.1	R	
20	...	6	27.89	...		5	18.3	R	31	5.0	14	9.43	...	36	11.0	R			
<b>696</b> <i>Anon.</i>										Sep. 4    5.0    14 9.58    ...    36 10.2    R									
Aug. 26	8.4	18	6	40.70	...	123	10	19.8	R	<b>703</b> 1 <i>Lyræ</i> κ									
30	8.2	6	40.64	...		10	18.7	R	Aug. 28	4.5	18	15	35.02	...	54	0	22.8	R	
Sep. 4	8.8	6	40.69	...		10	19.5	R	Sep. 3	4.5	15	35.04	...	0	21.0	R			
12	9.0	6	40.63	...		10	20.9	R	<b>704</b> 24 <i>Ursæ Minoris</i> —s.p.										
<b>697</b> 104 <i>Herculis</i> A.										Feb. 25    ...    18 15 57.77    3    3 0 44.7    R									
Aug. 29	5.0	18	7	18.64	...	58	37	24.9	R										

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		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"			
<b>705</b> <i>Radcliffe 3905.</i>									<b>713</b> <i>3 Lyrae α, Vega.</i>												
Aug. 30	5.0	18	18	25.35	...	40	56	20.3	R	Aug. 16	...	18	32	48.89	...	51	19	38.0	R		
										19	...			32	48.44	...			19	42.6	R
										24	...			32	48.43	...			19	41.7	R
<b>706</b> <i>Anon.</i>									<b>714</b> <i>2 Aquilæ.</i>												
Aug. 14	8.0	18	19	9.45	...	131	26	26.0	R	Aug. 28	5.0	18	35	35.66	...	99	10	1.8	R		
16	8.3		19	9.55	...		26	25.4	R	29	5.0			35	35.66	...		9	59.5	R	
<b>707</b> <i>ν Pavonis.</i>									<b>715</b> <i>θ Pavonis.</i>												
Aug. 15	5.0	18	19	58.47	...	152	21	7.6	R	Aug. 15	5.0	18	36	37.75	...	155	12	0.0	R		
19	5.0		19	58.59	...		21	8.9	R	<b>716</b> <i>3 Aquilæ.</i>											
21	5.0		19	58.66	3		21	7.3	R	Aug. 30	5.5	18	36	52.67	...	98	28	35.4	R		
<b>708</b> <i>39 Draconis β.</i>									<b>717</b> <i>46 Draconis c.</i>												
Aug. 28	5.0	18	22	7.54	...	31	16	10.2	R	Aug. 20	5.5	18	23	4.61	...	123	4	2.4	R		
31	5.0		22	7.65	...		16	8.9	R	28	5.5		23	4.65	...		4	2.1	R		
Sep. 4	5.0		22	7.68	...		16	8.2	R	24	5.5		23	4.04	...		4	2.4	R		
<b>709</b> <i>ν<sup>1</sup> Sagittarii.</i>									<b>718</b> <i>5 Lyrae ε<sup>2</sup>—1st.</i>												
Aug. 20	5.5	18	23	4.61	...	123	4	2.4	R	Aug. 29	5.0	18	40	20.02	...	50	30	49.2	R		
28	5.5		23	4.65	...		4	2.1	R	<b>719</b> <i>110 Herculis.</i>											
Sep. 8	5.5		23	4.60	...		4	1.5	R	Aug. 21	...	18	40	24.60	...	69	34	7.2	R		
12	5.5		23	4.50	...		4	1.8	R	23	...		40	24.61	...		34	8.7	R		
<b>710</b> <i>ν<sup>2</sup> Sagittarii.</i>									<b>720</b> <i>7 Lyrae ζ<sup>a</sup></i>												
Aug. 29	5.5	18	25	57.38	...	123	6	16.1	R	Aug. 31	5.5	18	40	36.24	...	52	31	54.2	R		
<b>711</b> <i>1 Aquilæ.</i>									<b>721</b> <i>6 Aquilæ.</i>												
Aug. 28	...	18	28	33.97	...	98	20	33.7	R	Aug. 28	...	18	40	42.07	...	94	52	36.5	R		
30	...		28	33.97	...		20	37.4	R	Sep. 3	...		40	42.24	...		52	34.5	R		
Sep. 3	...		28	34.01	...		20	33.0	R												
4	...		28	33.96	...		20	33.0	R												
18	...		28	34.03	4		20	40.9	R												
<b>712</b> <i>Radcliffe 3983—2nd.</i>																					
Aug. 21	5.0	18	31	10.69	...	37	44	31.2	R												
23	5.0		31	10.65	...		44	33.4	R												
31	5.0		31	10.62	...		44	31.2	R												

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		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
<b>722</b> $\kappa$ Telescopii.										<b>731</b> 63 Serpentis $\theta$ —1st.									
Aug. 14	5.5	18	42	58.26	...	142	14	58.0	R	Aug. 31	4.5	18	50	9.28	...	85	57	11.5	R
<b>723</b> Radcliffe 4070.										<b>732</b> 9 Aquilæ.									
Sep. 18	5.0	18	43	59.60	...	37	8	41.5	R	Aug. 20	5.5	18	50	31.73	...	96	0	9.2	R
<b>724</b> $\kappa$ Pavonis, Var.																			
Aug. 15	5.0	18	44	21.63	...	157	22	58.9	R	21	5.5	50	31.67	...	0	0	8.7	R	
16	5.0	44	21.73	3	22	57.6	R	22	5.5	50	31.71	...	0	10.4	R				
19	5.0	44	21.55	...	22	57.8	R	Sep. 3	5.5	50	31.92	...	0	9.1	R				
<b>725</b> 10 Lyre $\beta$ , Var. 1.										<b>733</b> R. P. L. 131.									
Aug. 17	...	18	45	34.49	...	56	46	39.6	R	Aug. 15	...	18	54	33.86	3	3	26	51.9	R
20	...	45	34.52	...	46	40.2	R	<b>734</b> 48 Draconis.											
21	...	45	34.56	...	46	40.3	R	Aug. 29	...	18	54	41.21	...	32	20	45.6	R		
22	...	45	34.49	...	46	38.6	R	31	...	54	41.24	...	20	45.2	R				
23	...	45	34.55	...	46	39.7	R	<b>735</b> 12 Aquilæ.											
26	...	45	34.46	...	46	38.8	R	Aug. 28	...	18	55	9.83	...	95	54	32.2	R		
28	...	45	34.46	...	46	39.9	R	30	...	55	9.86	...	54	29.8	R				
31	...	45	34.56	...	46	39.7	R	Sep. 4	...	55	10.11	...	54	29.9	R				
Sep. 3	...	45	34.50	...	46	39.7	R	20	...	55	10.05	...	54	31.5	R				
<b>726</b> 35 Sagittarii $\nu^2$										<b>736</b> Lacaille 7944.									
Aug. 29	5.0	18	47	44.48	...	112	49	16.3	R	Sep. 2	5.5	18	56	55.80	...	158	36	32.6	R
<b>727</b> $\omega$ Pavonis.										<b>737</b> 17 Aquilæ $\zeta$									
Aug. 30	5.5	18	47	45.42	...	150	21	30.0	R	Aug. 22	...	18	59	48.07	...	76	18	57.1	R
<b>728</b> Radcliffe 4109.																			
Sep. 20	5.0	18	48	50.65	...	37	10	52.6	R	24	...	59	48.10	...	18	57.2	R		
<b>729</b> 47 Draconis $\sigma$ .																			
Sep. 18	5.0	18	49	23.95	...	30	45	36.6	R	30	...	59	48.04	...	18	58.1	R		
21	5.0	49	24.07	...	45	35.4	R	Sep. 4	...	59	48.05	...	18	56.5	R				
<b>730</b> 113 Herculis.																			
Sep. 4	5.0	18	49	<sup>35.93</sup> 26.19	...	67	30	23.7	R	18	...	59	48.04	...	18	58.1	R		
										<b>738</b> $\beta$ Coronæ Australis.									
										Aug. 14	5.0	19	1	37.51	...	129	31	54.0	R
										16	5.0	1	37.44	...	31	55.1	R		
										17	...	1	37.49	...	31	55.1	R		
										Sep. 3	5.0	1	37.49	...	31	55.4	R		
										19	5.0	1	37.52	...	31	56.0	R		

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		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
<b>739</b> $\tau$ Pavonis.									<b>747</b> $\alpha$ Sagittarii.										
Aug. 15	5.5	19	3	22.12	...	159	23	37.3	R	Aug. 14	4.0	19	15	25.76	...	130	50	34.5	R
23	5.5	3	22.09	...		23	39.4	R											
26	5.5	3	22.23	...		23	38.7	R											
28	5.5	3	22.19	...		23	41.2	R											
Sep. 2	5.5	3	22.45	...		23	39.2	R											
<b>740</b> 53 Draconis.									<b>748</b> 47 Sagittarii $\chi^1$										
Aug. 30	5.0	19	9	22.12	...	33	20	51.3	R	Aug. 30	5.5	19	17	50.98	...	114	44	34.7	R
Sep. 2	5.0	9	22.17	...		20	53.5	R	Sep. 4	5.5	17	50.96	...		44	36.2	R		
3	5.0	9	22.10	...		20	54.3	R	18	5.5	17	51.14	...		44	36.4	R		
18	5.0	9	21.99	...		20	53.2	R	20	5.5	17	51.15	...		44	36.4	R		
19	5.0	9	21.87	...		20	52.9	R	21	5.5	17	51.14	...		44	37.3	R		
<b>741</b> 20 Lyrae $\eta$ —1st.									<b>749</b> Taylor 8907—2nd.										
Sep. 4	5.0	19	9	26.54	...	51	3	43.1	R	Aug. 15	...	19	17	59.73	...	144	33	53.4	R
<b>742</b> 1 Vulpeculae.									<b>750</b> 31 Aquilae $b$ .										
Sep. 21	5.0	19	10	58.27	...	68	49	24.4	R	Sep. 24	5.0	19	19	9.14	...	73	13	52.3	R
25	5.0	10	58.23	...		49	24.4	R	25	5.0	19	9.08	...		13	53.4	R		
<b>743</b> 54 Draconis.									<b>751</b> 30 Aquilae $\delta$										
Aug. 31	5.0	19	11	44.59	...	32	30	16.4	R	Aug. 19	...	19	19	20.75	...	87	7	35.0	R
Sep. 24	5.0	11	44.65	...		30	16.8	R	22	...	19	20.78	...		7	35.3	R		
<b>744</b> 25 Aquilae $\omega$									<b>752</b> 58 Draconis $\pi$										
Aug. 15	...	19	12	5.37	...	78	37	21.5	R	Aug. 21	...	19	20	2.31	...	24	31	9.5	R
21	...	12	5.28	...		37	20.0	R	23	...	20	2.38	...		31	11.9	R		
23	...	12	5.31	...		37	20.1	R	24	...	20	2.38	...		31	11.4	R		
28	...	12	5.34	...		37	23.2	R	<b>753</b> 32 Aquilae $\nu$										
Sep. 10	...	12	5.33	...		37	18.7	R	Aug. 31	5.5	19	20	16.99	...	89	54	9.5	R	
<b>745</b> 21 Lyrae $\theta$									<b>753</b> 32 Aquilae $\nu$										
Sep. 23	...	19	12	7.84	...	52	4	57.2	R	Sep. 23	5.5	20	16.84	...		54	10.9	R	
30	...	12	7.79	...		4	56.1	R	30	5.5	20	16.88	...		54	9.7	R		
<b>746</b> 1 Cygni $\kappa$									<b>753</b> 32 Aquilae $\nu$										
Aug. 16	4.0	19	14	17.04	...	36	51	16.7	R	Aug. 31	5.5	19	20	16.99	...	89	54	9.5	R
17	...	14	16.97	...		51	18.5	R	Sep. 23	5.5	20	16.84	...		54	10.9	R		
19	4.0	14	16.96	...		51	17.6	R	30	5.5	20	16.88	...		54	9.7	R		





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		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
<b>766</b> 17 <i>Cygni</i> .									<b>775</b> 58 <i>Sagittarii</i> $\omega$										
Sep. 19	5.0	19	41	47.94	...	56	33	17.4	R	Sep. 19	5.5	19	48	21.79	...	116	37	16.9	R
27	5.0	41	47.85	...		38	17.2	R	Oct. 12	5.3	48	21.78	...		37	16.8	C.R.		
<b>767</b> 8 <i>Sagittæ</i> $\zeta$									<b>776</b> $\mu^1$ <i>Pavonis</i> .										
Aug. 28	5.0	19	43	38.47	...	71	9	45.1	R	Aug. 19	...	19	48	29.54	...	157	16	4.1	R
31	5.0	43	38.64	...		9	48.5	R	28	...	48	29.62	...		16	3.7	R		
Sep. 28	5.0	43	33.68	...		9	45.9	R											
Oct. 5	...	43	38.66	...		9	47.8	C.R.											
<b>768</b> 51 <i>Aquila</i> .									<b>777</b> 60 <i>Aquila</i> $\beta$										
Sep. 4	5.5	19	44	4.20	...	101	4	13.2	R	Aug. 29	...	19	49	19.25	...	88	53	45.4	R
24	5.5	44	4.01	...		4	15.8	R	31	...	49	19.12	...		53	45.2	R		
Oct. 3	...	44	4.06	...		4	16.4	C.R.	Sep. 12	...	49	19.25	...		53	44.8	R		
									17	...	49	19.13	...		53	45.0	R		
									24	...	49	19.20	...		53	45.6	R		
									26	...	49	19.17	...		53	46.2	R		
									27	...	49	19.19	...		53	45.2	R		
<b>769</b> 53 <i>Aquila</i> $\alpha$ , <i>Altair</i> .									<b>778</b> 22 <i>Cygni</i> .										
Sep. 28	...	19	44	49.91	...	81	27	5.6	R	Oct. 1	...	19	51	30.02	...	51	50	13.1	C.R.
Oct. 11	...	44	49.76	...		27	8.8	C.R.											
<b>770</b> <i>Lacaille</i> 8224.									<b>779</b> $\theta^1$ <i>Sagittarii</i> .										
Aug. 24	5.5	19	46	3.41	...	159	28	50.9	R	Aug. 21	...	19	51	47.64	...	125	36	15.0	R
										22	...	51	47.79	...		36	16.6	R	
										24	...	51	47.75	...		36	16.7	R	
										Sep. 4	...	51	47.67	...		36	18.8	R	
										28	...	51	47.64	...		36	18.9	R	
<b>772</b> $\iota$ <i>Sagittarii</i> .									<b>780</b> <i>Taylor</i> 9172.										
Aug. 14	4.5	19	46	50.25	...	132	11	11.6	R	Oct. 5	5.3	19	51	56.08	...	125	1	30.5	C.R.
15	4.5	46	50.19	...		11	11.9	R											
16	4.5	46	50.16	...		11	11.8	R											
<b>773</b> <i>B. F.</i> 2695.—2nd.									<b>781</b> <i>Radcliffe</i> 4517.										
Sep. 20	5.5	19	46	55.73	...	93	25	43.0	R	Sep. 3	5.0	19	52	59.87	...	49	57	32.1	R
21	5.5	46	55.69	...		25	42.7	R	30	5.0	52	59.80	...		57	31.0	R		
<b>774</b> 59 <i>Aquila</i> $\xi$									<b>782</b> 14 <i>Vulpecula</i> .										
Aug. 28	5.0	19	48	20.02	...	81	51	9.7	R	Aug. 30	...	19	53	56.50	...	67	18	45.1	R
30	5.0	48	20.01	...		51	9.1	R	Sep. 19	...	53	56.64	...		18	45.1	R		
2	5.0	48	19.98	...		51	10.2	R	20	...	53	56.60	...		18	48.0	R		
									Oct. 3	...	53	56.47	...		18	45.7	C.R.		

Sep. 1

## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
<b>783</b> 15 <i>Vulpeculae</i> .									<b>790</b> 66 <i>Draconis</i> .										
Aug. 28	5.0	19	56	4.54	...	62	34	55.9	R	Aug. 29	5.0	20	3	36.12	...	28	21	28.1	R
29	5.0		56	4.57	...		34	55.6	R	30	5.0		3	36.14	...		21	28.5	R
Sep. 2	5.0		56	4.53	...		34	56.8	R	Sep. 3	5.0		3	36.34	...		21	30.8	R
18	5.0		56	4.66	...		34	54.8	R	12	5.0		3	36.17	...		21	28.9	R
27	5.0		56	4.52	...		34	55.4	R	18	5.0		3	36.38	...		21	28.3	R
<b>784</b> Taylor 9215.									<b>791</b> 28 <i>Cygni</i> $\delta^2$ .										
Sep. 12	5.0	19	56	34.37	...	65	32	13.0	R	Aug. 31	5.0	20	4	53.58	...	53	31	5.7	R
24	5.0		56	34.26	...		32	13.3	R	Sep. 2	5.0		4	53.90	...		31	6.7	R
26	...		56	34.37	...		32	13.5	R	10	5.0		4	53.76	...		31	4.7	R
<b>785</b> $\delta$ <i>Pavonis</i> .									<b>792</b> 67 <i>Aquilæ</i> $\rho$ .										
Aug. 16	...	19	56	44.02	...	156	29	27.8	R	Aug. 30	5.0	20	8	37.86	...	75	10	20.7	R
19	4.0		56	43.96	...		29	28.3	R	Sep. 12	5.0		8	37.61	...		10	21.6	R
<b>786</b> 63 <i>Aquilæ</i> $\tau$ .									<b>793</b> Radcliffe 4654.										
Sep. 3	5.5	19	58	10.97	...	83	3	51.2	R	Oct. 3	6.0	20	9	7.94	...	38	54	10.4	C.R.
4	5.5		58	10.97	...		3	51.0	R	5	6.2		9	7.93	...		54	12.1	C.R.
21	5.5		58	10.98	...		3	50.4	R	17	5.6		9	8.05	6		54	10.0	C.R.
Oct. 12	...		58	10.71	...		3	53.1	C.R.	<b>794</b> 30 <i>Cygni</i> $\alpha^1$ .									
18	5.0		58	10.79	...		3	52.9	C.R.	Aug. 28	5.5	20	9	28.02	...	43	33	9.0	R
<b>787</b> 64 <i>Draconis</i> $\epsilon$ .									<b>795</b> 31 <i>Cygni</i> $\alpha^2$ .										
Aug. 21	5.0	20	0	10.85	...	25	31	10.2	R	Oct. 1	4.2	20	9	47.22	...	43	37	38.9	C.R.
22	5.0		0	10.94	...		31	12.2	R	18	4.2		9	47.28	...		37	39.6	C.R.
24	5.0		0	10.94	...		31	12.7	R	23	4.3		9	47.22	...		37	40.2	C.R.
Sep. 17	5.0		0	10.72	...		31	12.8	R	<b>789</b> 67 <i>Draconis</i> $\rho$ .									
19	5.0		0	10.86	...		31	12.3	R	Aug. 28	...	20	2	16.00	...	22	28	26.0	R
<b>788</b> O. A. S. 20269.									<b>796</b> 30 <i>Cygni</i> $\alpha^1$ .										
Aug. 14	9.1	20	1	55.71	...	105	45	55.3	R	Sep. 28	5.5		9	27.88	...		33	9.6	R
15	9.0		1	55.78	...		45	55.6	R	Oct. 19	5.0		9	27.80	...		33	8.0	C.R.
<b>789</b> 67 <i>Draconis</i> $\rho$ .									<b>797</b> 31 <i>Cygni</i> $\alpha^2$ .										
Aug. 28	...	20	2	16.00	...	22	28	26.0	R	Oct. 1	4.2	20	9	47.22	...	43	37	38.9	C.R.
Sep. 28	...		2	15.69	...		28	26.2	R	18	4.2		9	47.28	...		37	39.6	C.R.
30	...		2	15.76	...		28	25.7	R	23	4.3		9	47.22	...		37	40.2	C.R.
Oct. 1	...		2	15.84	...		28	24.7	C.R.	<b>798</b> 31 <i>Cygni</i> $\alpha^2$ .									
4	...		2	15.82	5		28	25.1	C.R.	Oct. 1	4.2	20	9	47.22	...	43	37	38.9	C.R.

## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		o.	"	h.				m.	s.	o.		"	o.	"	
<b>796</b> <i>B. H. 1548.</i>									<b>802</b> <i>11 Capricorni <math>\rho</math></i>										
Aug. 21	5.0	20	10	5.77	...	64	46	44.8	R	Sep. 8	...	20	21	53.87	...	108	12	58.6	R
22	5.0	10	5.80	...	46	45.7	R		17	...	21	53.95	...	12	55.9	R			
24	5.0	10	5.70	...	46	46.7	R		18	...	21	53.94	...	12	54.8	R			
31	5.0	10	5.85	...	46	45.1	R		24	...	21	53.92	...	12	55.5	R			
Sep. 8	5.0	10	5.86	...	46	46.8	R		25	...	21	53.96	...	12	55.3	R			
<b>797</b> <i>33 Cygni.</i>									<b>803</b> <i>69 Aquilæ.</i>										
Sep. 18	4.5	20	10	33.49	...	38	48	16.5	R	Sep. 2	5.0	20	28	16.61	...	98	17	22.4	R
Oct. 4	...	10	33.61	6	48	16.2	C.R.		4	5.0	28	16.62	...	17	22.8	R			
<b>798</b> <i>23 Vulpeculæ.</i>									<b>804</b> <i>41 Cygni.</i>										
Sep. 10	4.5	20	10	42.90	...	62	33	28.7	R	Sep. 12	...	20	24	24.59	...	60	2	15.3	R
27	4.5	10	42.69	...	33	29.8	R		19	...	24	24.80	...	2	14.8	R			
<b>799</b> <i>6 Capricorni <math>\alpha^2</math></i>									<b>805</b> <i><math>\phi^1</math> Pavonis.</i>										
Sep. 2	...	20	11	16.99	...	102	55	15.3	R	Oct. 21	5.2	20	25	27.98	...	150	59	27.8	C.R.
4	...	11	17.02	...	55	15.1	R		28	5.0	25	27.90	...	59	26.6	C.R.			
16	...	11	17.20	...	55	17.9	R		<b>806</b> <i>45 Cygni <math>\omega^2</math></i>										
19	...	11	17.01	...	55	17.1	R		Sep. 10	5.0	20	26	17.02	...	41	27	28.6	R	
21	...	11	17.07	...	55	16.1	R		23	...	26	16.73	...	27	27.6	R			
25	...	11	17.07	...	55	16.5	R		Oct. 18	5.6	26	16.79	6	27	28.4	C.R.			
26	...	11	16.99	...	55	16.7	R												
30	...	11	16.99	...	55	15.0	R												
Oct. 11	...	11	17.11	...	55	17.5	C.R.												
<b>800</b> <i>Radcliffe 4751.</i>																			
Sep. 10	5.0	20	18	25.59	...	49	21	45.4	R										
17	5.0	18	25.44	...	21	47.0	R												
18	5.0	18	25.40	...	21	46.7	R												
Oct. 3	5.3	18	25.38	...	21	48.3	C.R.												
18	...	18	25.38	...	21	49.4	C.R.												
<b>801</b> <i>39 Cygni.</i>																			
Aug. 22	5.0	20	18	59.22	...	58	12	8.9	R										
26	5.0	18	59.15	...	12	8.7	R												
Sep. 12	5.0	18	59.19	...	12	9.3	R												
19	5.0	18	59.38	...	12	9.4	R												
20	5.0	18	59.30	...	12	9.1	R												

## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		°	'	"				°	'	"		°	'	"	
<b>807</b> <i>2 Delphini ε</i>										<b>815</b> <i>6 Delphini β</i>									
Sep. 20	4.0	20	27	23.00	...	79	6	35.0	R	Sep. 16	...	20	31	49.60	...	75	49	40.1	R
24	4.0	27	22.88	...		6	36.8	R	19	...	31	49.82	...		49	42.4	R		
26	...	27	22.86	...		6	36.7	R	Oct. 4	...	31	49.56	...		49	40.3	C.R		
<b>808</b> <i>2 Cephei θ</i>										<b>816</b> <i>71 Aquilæ.</i>									
Oct. 3	4.0	20	27	31.71	...	27	24	55.9	C.R	Sep. 10	...	20	32	2.23	...	91	31	47.2	R
<b>809</b> <i>46 Cygni ω<sup>3</sup></i>										<b>817</b> <i>8 Delphini θ</i>									
Sep. 4	...	20	27	32.99	...	41	11	25.6	R	Sep. 17	...	20	32	58.46	...	77	6	42.0	R
28	...	27	32.94	...		11	26.5	R	28	...	32	58.37	...		6	40.7	R		
<b>810</b> <i>R. P. L. 143.</i>										<b>818</b> <i>1 Aquarii.</i>									
Aug. 26	...	20	27	42.44	3	5	15	41.2	R	Oct. 2	...	20	33	9.71	3	89	56	28.9	C.R
Sep. 3	...	27	43.41	3		15	40.0	R	23	5.5	33	9.64	...		56	29.1	C.R		
<i>R. P. L. 143—s.p.</i>										<b>819</b> <i>9 Delphini α</i>									
Mar. 16	...	20	27	43.65	3	5	15	41.4	M	Sep. 20	...	20	33	58.40	...	74	31	1.3	R
<b>811</b> <i>4 Delphini ζ</i>										<b>820</b> <i>50 Cygni α, Deneb.</i>									
Sep. 18	5.0	20	29	36.33	...	75	44	43.1	R	Sep. 30	...	20	37	16.48	...	45	9	15.9	R
25	5.0	29	36.23	...		44	44.1	R	Oct. 11	...	37	16.30	...		9	17.0	C.R		
Oct. 15	...	29	36.26	...		44	44.7	C.R	12	...	37	16.20	...		9	16.3	C.R		
<b>812</b> <i>φ<sup>2</sup> Pavonis.</i>										<b>821</b> <i>11 Delphini δ</i>									
Sep. 2	5.5	20	29	55.66	...	150	57	17.6	R	Sep. 4	4.0	20	37	45.88	...	75	21	41.4	R
Oct. 5	...	29	55.84	...		57	20.5	C.R	12	4.0	37	45.64	...		21	41.4	R		
<b>813</b> <i>70 Aquilæ.</i>										<b>821</b> <i>11 Delphini δ</i>									
Sep. 12	5.5	20	30	22.37	...	92	58	18.0	R	21	4.0	37	45.98	...		21	42.9	R	
21	5.5	30	22.24	4		58	15.4	R	Oct. 1	5.0	37	45.77	...		21	41.7	C.R		
Oct. 17	5.2	30	22.34	...		58	18.2	C.R	5	5.0	37	45.85	...		21	44.0	C.R		
<b>814</b> <i>ν Pavonis.</i>																			
Oct. 1	6.7	20	30	44.25	...	157	11	17.1	C.R										
24	5.5	30	44.48	...		11	20.0	C.R											

## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
<b>822</b> 16 <i>Capricorni</i> $\psi$										<b>829</b> 3 <i>Cephei</i> $\eta$									
Sep. 18	4.5	20	38	52.35	...	115	42	28.6	R	Oct. 21	4.7	20	42	48.19	...	28	38	2.6	C.R
25	4.5		38	52.02	...		42	28.4	R	23	4.0		42	48.13	...		38	2.0	C.R
27	4.5		38	52.16	...		42	27.7	R										
Oct. 8	5.0		38	52.21	...		42	28.8	C.R										
17	4.7		38	52.17	...		42	28.8	C.R										
<b>823</b> $\epsilon$ <i>Microscopii</i> —1st.										<b>830</b> 18 <i>Capricorni</i> $\omega$									
Aug. 23	5.5	20	40	12.64	...	134	25	51.4	R	Aug. 31	...	20	44	32.19	...	117	22	26.2	R
30	5.5		40	12.49	...		25	52.9	R	Sep. 12	...		44	32.07	...		22	26.4	R
Sep. 2	5.5		40	12.52	...		25	54.2	R	19	...		44	32.23	...		22	26.5	R
17	5.5		40	12.68	...		25	58.7	R	25	...		44	32.12	...		22	25.5	R
19	5.5		40	12.78	...		25	52.0	R	27	...		44	32.32	...		22	25.4	R
<b>824</b> 53 <i>Cygni</i> $\epsilon$										<b>831</b> $\beta$ <i>Indi</i> .									
Aug. 29	3.0	20	41	16.55	...	56	29	7.3	R	Aug. 28	4.0	20	45	15.60	...	148	54	45.2	R
Sep. 8	3.0		41	16.61	...		29	7.4	R										
20	3.0		41	16.51	...		29	7.5	R										
28	...		41	16.61	...		29	6.7	R										
<b>825</b> $\lambda^1$ <i>Cygni</i> , Var 5.										<b>832</b> 57 <i>Cygni</i> .									
Aug. 19	6.2	20	42	18.73	...	56	4	21.8	R	Aug. 22	5.0	20	48	55.99	...	46	4	24.5	R
24	6.0		42	18.57	...		4	23.4	R	26	5.0		48	55.71	...		4	23.4	R
26	6.2		42	18.65	...		4	23.9	R	Sep. 4	5.0		48	55.96	...		4	24.9	R
										10	5.0		48	55.74	...		4	24.2	R
										17	5.0		48	55.84	...		4	26.7	R
<b>826</b> <i>Radcliffe</i> 4950.										<b>833</b> 32 <i>Vulpeculae</i> .									
Sep. 10	5.0	20	42	19.32	...	32	51	25.1	R	Sep. 16	...	20	49	21.53	...	62	24	19.1	R
28	5.0		42	19.17	...		51	27.6	R	18	...		49	21.61	...		24	19.5	R
Oct. 19	5.2		42	19.34	...		51	29.2	C.R	19	...		49	21.53	...		24	17.4	R
24	4.5		42	19.10	...		51	28.3	C.R	20	...		49	21.00	...		24	18.9	R
25	4.5		42	19.26	6		51	28.0	C.R	21	...		49	21.55	...		24	18.7	R
										23	...		49	21.55	...		24	17.9	R
<b>827</b> 54 <i>Cygni</i> $\lambda$										<b>834</b> 76 <i>Draconis</i> .									
Sep. 16	5.0	20	42	39.29	...	53	57	23.9	R	Oct. 1	...	20	49	21.52	...		24	17.7	C.R
Oct. 4	...		42	39.26	...		57	25.4	C.R	5	...		49	21.55	...		24	19.6	C.R
8	...		42	39.15	...		57	25.0	C.R	8	...		49	21.44	...		24	20.0	C.R
Nov. 6	5.0		42	39.18	...		57	23.2	M	15	...		49	21.50	...		24	19.4	C.R
<b>828</b> $\epsilon$ <i>Indi</i> .										<b>834</b> 76 <i>Draconis</i> .									
Oct. 18	5.0	20	42	40.37	5.0	142	3	38.4	C.R	Oct. 17	...	20	51	19.27	5	7	55	21.3	C.R
										19	...		51	19.14	8		55	19.1	C.R

## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		°	'	"				°	'	"		°	'	"	
<b>835</b> 58 <i>Cygni</i> $\nu$									<b>842</b> 2 <i>Piscis Australis</i> .										
Sep. 12	4.0	20	52	37.16	...	49	18	4.8	R	Aug. 31	5.5	20	58	57.01	...	122	49	38.9	R
25	4.0		52	37.23	...		18	4.2	R	Sep. 18	5.5		58	57.25	...		49	39.6	R
30	4.0		52	37.46	...		18	4.5	R	19	5.5		58	57.17	...		49	39.4	R
Oct. 2	...		52	37.41	6		18	4.9	C.R	23	...		58	56.93	...		49	37.9	R
23	4.4		52	37.39	...		18	4.6	C.R	27	5.5		58	56.90	...		49	39.9	R
<b>836</b> $\chi$ <i>Cephei</i> .									<b>843</b> 24 <i>Capricorni</i> A.										
Aug. 29	...	20	53	1.26	...	33	34	52.5	R	Sep. 12	...	20	59	59.27	...	115	29	30.1	R
31	...		53	1.30	...		34	53.0	R	24	...		59	59.25	...		29	31.4	R
Sep. 2	...		53	1.36	...		34	54.6	R	Oct. 17	...		59	59.37	...		29	30.4	R
27	...		53	1.14	...		34	53.9	R	19	...		59	59.49	...		29	32.0	C.R
28	...		53	1.03	...		34	55.4	R	<b>844</b> 62 <i>Cygni</i> $\xi$									
<b>837</b> <i>Radcliffe</i> 5066.									<b>845</b> 25 <i>Capricorni</i> $\chi$										
Oct. 18	5.0	20	53	4.80	5	9	54	22.8	C.R	Aug. 29	4.0	21	0	29.60	...	46	33	26.7	R
21	6.0		53	3.61	5		54	21.3	C.R	Sep. 25	4.0		0	29.42	...		33	27.6	R
<b>838</b> 1 <i>Piscis Australis</i> .									<b>846</b> <i>o Pavonis</i> .										
Aug. 30	5.5	20	53	48.39	...	122	43	58.2	R	Oct. 18	6.0	21	1	52.50	...	160	37	23.7	C.R
Sep. 24	5.5		53	48.12	...		43	59.1	R	<b>847</b> 63 <i>Cygni</i> $f^2$ .									
Oct. 24	4.8		53	48.22	...		43	58.4	C.R	Sep. 4	5.0	21	2	24.20	...	42	50	26.5	R
Nov. 6	5.5		53	48.36	...		43	57.1	M	Oct. 23	5.0		2	23.94	...		50	28.9	C.R
<b>839</b> 22 <i>Capricorni</i> $\eta$									<b>848</b> 5 <i>Equulei</i> $\gamma$										
Sep. 10	5.0	20	57	27.57	...	110	20	6.3	R	Sep. 2	5.0	21	4	24.57	...	80	21	30.0	R
17	5.0		57	27.65	...		20	9.4	R	10	5.0		4	24.56	...		21	29.5	R
Oct. 3	5.0		57	27.62	...		20	10.6	C.R	17	5.0		4	24.57	...		21	31.1	R
15	5.2		57	27.58	...		20	10.3	C.R	Oct. 5	...		4	24.57	...		21	33.3	C.R
<b>840</b> 12 <i>Aquarii</i> .									<b>849</b> 5 <i>Equulei</i> $\gamma$										
Sep. 16	6.5	20	57	37.42	...	96	18	17.0	R	Sep. 2	5.0	21	4	24.57	...	80	21	30.0	R
28	5.5		57	37.58	...		18	16.9	R	10	5.0		4	24.56	...		21	29.5	R
Oct. 5	6.3		57	37.48	...		18	18.9	C.R	17	5.0		4	24.57	...		21	31.1	R
25	6.0		57	37.36	...		18	17.9	C.R	Oct. 5	...		4	24.57	...		21	33.3	C.R
Nov. 5	...		57	37.21	...		18	16.9	M	15	5.3		4	24.43	...		21	32.2	C.R
<b>841</b> $\eta$ <i>Microscopii</i> .																			
Sep. 2	5.5	20	58	28.78	...	131	52	17.7	R										
20	5.5		58	28.96	...		52	15.6	R										
Oct. 1	6.0		58	28.85	...		52	15.8	C.R										
26	...		58	28.89	5		52	16.0	C.R										

## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
<b>849</b> <i>64 Cygni ζ</i>										<b>855</b> <i>4 Piscis Australis.</i>									
Sep. 16	...	21	7	44.50	...	60	16	21.1	R	Sep. 2	...	21	10	32.27	...	122	40	48.7	R
20	...		7	44.61	...		16	20.5	R	28	...		10	32.02	...		40	53.2	R
23	...		7	44.61	...		16	20.7	R	Oct. 2	...		10	32.21	...		40	53.9	C.R
27	...		7	44.58	...		16	19.8	R	Nov. 6	...		10	32.28	...		40	51.0	M
Oct. 8	...		7	44.62	...		16	22.6	C.R	9	...		10	32.21	...		40	50.7	M
12	...		7	44.52	...		16	22.5	C.R	<b>856</b> <i>67 Cygni σ</i>									
Nov. 5	...		7	44.57	...		16	20.8	M	Oct. 4	...	21	12	37.25	...	51	6	57.6	C.R
12	...		7	44.75	...		16	21.9	M	15	...		12	37.28	...		6	58.4	C.R
<b>850</b> <i>7 Equulei δ</i>										Nov. 11	...		12	37.56	...		6	57.3	M
Sep. 10	4.5	21	8	32.42	5	80	29	7.4	R	<b>857</b> <i>66 Cygni ν</i>									
18	4.5		8	32.48	...		29	10.7	R	Sep. 19	4.5	21	12	54.21	...	55	36	52.5	R
30	4.5		8	32.28	...		29	10.8	R	27	4.5		12	54.10	...		36	51.0	R
Oct. 24	5.2		8	32.24	...		29	10.1	C.R	Oct. 5	5.5		12	54.02	...		36	58.8	C.R
26	...		8	32.27	...		29	11.3	C.R	18	5.0		12	58.98	...		36	54.6	C.R
<b>851</b> <i>Radcliffe 5151.</i>										22	5.2		12	58.96	6		36	52.2	C.R
Sep. 17	5.0	21	8	41.77	...	80	30	52.6	R	<b>858</b> <i>6 Cephei.</i>									
24	5.0		8	41.46	...		30	52.5	R	Sep. 17	5.0	21	16	50.14	...	25	38	41.1	R
Oct. 23	7.2		8	41.54	5		30	51.4	C.R	18	5.0		16	50.08	...		38	42.4	R
25	6.0		8	41.69	...		30	53.0	C.R	20	5.0		16	50.08	...		38	41.8	R
Nov. 8	5.7		8	41.61	...		30	54.1	M	Oct. 23	5.2		16	49.90	...		38	42.1	C.R
<b>852</b> <i>Anon.</i>										25	5.5		16	50.18	...		38	42.8	C.R
Oct. 3	10.5	21	9	4.20	4	110	46	38.3	C.R	<b>859</b> <i>36 Capricorni b.</i>									
<b>853</b> <i>8 Equulei α</i>										Sep. 4	...	21	21	46.11	...	112	20	11.6	R
Sep. 4	4.5	21	9	43.66	...	85	15	17.3	R	18	...		21	46.08	...		20	14.8	R
25	4.5		9	43.37	...		15	18.6	R	23	...		21	45.96	...		20	12.8	R
Oct. 19	5.2		9	43.48	...		15	20.9	C.R	Oct. 8	...		21	46.16	...		20	15.0	C.R
<b>854</b> <i>65 Cygni τ</i>										15	...		21	45.98	...		20	14.7	C.R
Oct. 1	4.7	21	9	55.17	...	52	28	25.8	C.R	<b>860</b> <i>Anon.</i>									
17	4.8		9	55.10	...		28	27.4	C.R	Oct. 17	9.2	21	22	14.08	6	147	29	21.8	C.R
21	4.8		9	55.10	6		28	27.2	C.R	18	9.5		22	14.17	...		29	20.9	C.R
										Nov. 8	9.4		22	13.72	...		29	20.7	M
										9	9.5		22	13.88	...		29	20.6	M

## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
<b>361</b> <i>Taylor 9975.</i>										<b>367</b> <i>73 Cygni ρ</i>									
Sep. 20	5.5	21	24	22.51	...	131	42	55.3	R	Sep. 24	4.5	21	29	23.37	...	44	56	48.3	R
24	5.5	24	22.26	...		42	56.2	R	28	4.5	29	23.25	...		56	50.0	R		
Oct. 1	5.5	24	22.26	...		42	54.4	C.R.	Oct. 18	4.7	29	23.43	...		56	49.4	C.R.		
21	6.0	24	22.21	...		42	57.8	C.R.	22	...	29	23.37	...		56	49.6	C.R.		
26	...	24	22.21	6		42	57.4	C.R.											
<b>362</b> <i>71 Cygni g.</i>										<b>368</b> <i>4 Pegasi.</i>									
Sep. 17	5.0	21	24	56.79	...	43	59	47.9	R	Sep. 17	...	21	32	25.59	4	34	46	33.9	R
19	5.0	24	56.79	...		59	46.7	R	19	...	32	25.59	...		46	33.5	R		
Oct. 5	6.0	24	56.78	...		59	48.6	C.R.	Oct. 1	...	32	25.42	...		46	39.3	C.R.		
Nov. 6	5.2	24	57.01	...		59	47.3	R	4	...	32	25.35	...		46	40.2	C.R.		
										19	...	32	25.33	...		46	40.3	C.R.	
<b>363</b> <i>Radcliffe 5252.</i>										<b>369</b> <i>9 Cephei.</i>									
Oct. 25	8.0	21	25	6.47	...	44	6	28.7	C.R.	Oct. 3	5.0	21	34	38.94	5	28	28	3.0	C.R.
										17	5.3	34	38.85	...		28	2.3	C.R.	
										23	5.3	34	38.69	5	28	3.3	C.R.		
										Nov. 6	5.0	34	38.90	...		28	3.9	M	
										9	5.4	34	39.23	...		28	4.1	M	
<b>364</b> <i>22 Aquarii β</i>										<b>370</b> <i>80 Cygni π<sup>1</sup></i>									
Sep. 25	...	21	25	7.94	...	96	6	26.0	R	Sep. 18	4.5	21	37	45.76	...	39	21	59.3	R
28	...	25	8.03	...		6	24.6	R	20	4.5	37	45.74	...		21	59.0	R		
Oct. 2	...	25	8.08	...		6	26.0	C.R.	Oct. 2	5.7	37	45.66	6	22	0.8	C.R.			
4	...	25	8.07	...		6	24.2	C.R.	22	5.8	37	45.78	...		22	0.1	C.R.		
29	...	25	8.01	...		6	26.0	C.R.	26	...	37	45.80	...		22	0.0	C.R.		
Nov. 2	...	25	8.05	...		6	24.8	C.R.											
5	...	25	8.07	...		6	24.3	M											
<b>365</b> <i>Radcliffe 5280.</i>										<b>371</b> <i>8 Pegasi ε</i>									
Sep. 23	...	21	27	38.10	...	30	4	41.9	R	Oct. 5	...	21	38	11.57	...	80	41	1.2	C.R.
27	5.0	27	38.06	...		4	40.8	R	29	...	38	11.64	...		41	0.8	C.R.		
Oct. 23	6.2	27	38.10	...		4	40.7	C.R.	Nov. 2	...	38	11.69	4	41	1.4	C.R.			
Nov. 11	5.5	27	38.21	...		4	41.8	M											
12	5.8	27	38.28	...		4	41.2	M											
<b>366</b> <i>8 Piscis Australis.</i>										<b>372</b> <i>78 Cygni μ—1st.</i>									
Sep. 18	5.5	21	29	6.31	...	116	42	51.8	R	Sep. 19	5.0	21	38	41.26	...	61	48	27.1	R
20	5.5	29	6.30	...		42	52.2	R	27	5.0	38	40.97	...		48	25.7	R		
Oct. 15	...	29	6.42	...		42	54.0	C.R.	Oct. 18	5.0	38	41.20	...		48	28.2	C.R.		
Nov. 14	5.7	29	6.47	...		42	51.6	M	Nov. 8	5.5	38	41.26	5	48	27.3	M			
										11	5.4	38	41.03	...		48	27.9	M	



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		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"					
<b>873</b> $\mu$ Cygni—2nd.										<b>881</b> 16 Pegasi.													
Oct. 1	...	21	38	41.34	...	61	48	28.1	C.R.	Oct. 2	...	21	47	30.62	...	64	38	53.1	C.R.				
19	...	38	41.50	6	48	29.0	C.R.	8	...	47	30.66	...	38	52.4	C.R.								
25	...	38	41.49	...	48	27.6	C.R.																
<b>874</b> 9 Pegasi.										<b>882</b> 30 Aquarii.													
Sep. 24	4.5	21	38	43.96	...	73	12	31.2	R	Sep. 21	5.0	21	56	51.49	...	97	6	37.9	R				
30	4.5	38	44.17	4	12	29.7	R	25	5.5	56	51.32	...	6	39.7	R	27	5.5	56	51.37	...	6	38.9	R
Oct. 21	5.0	38	43.94	...	12	31.9	C.R.	Oct. 21	5.7	56	51.27	...	6	40.7	C.R.	24	...	56	51.40	...	6	38.9	C.R.
<b>875</b> 10 Pegasi $\kappa$										<b>883</b> 16 Cephei.													
Sep. 23	...	21	39	7.10	...	64	54	54.2	R	Oct. 1	...	21	57	29.91	5	17	24	0.9	C.R.				
28	4.0	39	7.25	...	54	54.6	R	8	...	57	29.75	...	24	2.3	C.R.	22	5.0	57	29.94	...	24	3.5	C.R.
Oct. 24	4.7	39	7.12	...	54	54.0	C.R.	Nov. 8	5.0	57	30.23	...	24	3.0	M	9	5.2	57	30.34	...	24	1.3	M
<b>876</b> 11 Cephei.										<b>884</b> Anon.													
Nov. 14	4.6	21	40	7.88	...	19	14	59.6	M	Sep. 24	10.0	21	57	50.26	...	92	31	10.4	R				
<b>877</b> 10 Cephei $\nu$										Sep. 28	10.4	57	50.33	4	31	7.6	R						
Sep. 21	4.5	21	41	55.75	...	29	26	29.7	R	Oct. 23	9.9	57	50.45	...	31	10.2	C.R.						
<b>878</b> 31 Cygni $\pi^2$										<b>885</b> 34 Aquarii $\alpha$													
Oct. 4	...	21	42	16.98	...	41	15	10.1	C.R.	*Oct. 3	...	21	59	30.94	...	90	54	42.7	C.R.				
<b>879</b> 14 Pegasi.										29	...	59	31.04	...	54	43.0	C.R.						
Sep. 27	5.0	21	44	26.71	...	60	23	35.0	R	Nov. 2	...	59	30.92	...	54	43.4	C.R.						
30	5.0	44	26.77	...	23	34.3	R	6	...	59	30.99	...	54	41.7	M								
Oct. 21	5.0	44	26.73	...	23	36.4	C.R.	21	...	59	31.05	...	54	43.1	M								
23	5.0	44	26.70	...	23	34.3	C.R.	<b>886</b> 18 Cephei.															
<b>880</b> $\nu$ Cephei, var 5.										Oct. 17	5.5	22	0	13.74	...	27	23	24.1	C.R.				
Sep. 13	5.0	21	44	51.40	...	20	24	51.9	R	Nov. 11	5.4	0	13.97	...	28	24.0	M						
19	5.0	44	51.32	...	24	51.5	R	14	5.5	0	13.75	...	32	23.7	M								
Oct. 17	8.2	44	51.30	6	24	52.7	C.R.	<b>887</b> 24 Pegasi $\iota$															
22	9.0	44	51.44	...	24	52.9	C.R.	Oct. 24	4.0	22	1	19.37	5	65	15	0.5	C.R.						
Nov. 6	7.8	44	51.38	...	24	51.8	M																

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		h.	m.	s.		°	'	"				h.	m.	s.		°	'	"	
<b>888</b> 35 Aquarii.										<b>898</b> 1 Lacertæ.									
Sep. 25	5.5	22	2	17.15	...	109	6	57.0	R	Nov. 11	...	22	10	39.23	...	52	51	30.5	M
27	5.5		2	17.16	...		6	56.1	R										
<b>889</b> 15 Piscis Australis.										<b>899</b> 46 Aquarii $\rho$									
Oct. 19	4.7	22	2	59.87	5	123	8	48.9	C.R.	Nov. 26	5.7	22	13	46.78	...	98	25	59.0	M
<b>890</b> 27 Pegasi $\pi^1$										<b>900</b> 30 Pegasi.									
Oct. 21	5.5	22	3	49.23	...	57	25	23.9	C.R.	Nov. 27	5.4	22	14	19.28	...	84	49	20.7	M
<b>891</b> 29 Pegasi $\pi^2$										<b>901</b> $\delta$ Tucanæ.									
Sep. 24	4.0	22	4	38.93	...	57	25	11.1	R	Nov. 12	5.0	22	13	38.29	...	155	35	11.8	M
Oct. 22	...		4	34.08	...		25	11.2	C.R.										
25	4.3		4	34.08	...		25	12.3	C.R.	<b>902</b> 3 Lacertæ $\beta$									
<b>892</b> Radcliffe 5591.										<b>903</b> 4 Lacertæ.									
Oct. 23	5.5	22	6	25.30	...	39	46	43.9	C.R.	Nov. 8	...	22	19	34.30	...	41	8	30.3	M
<b>893</b> 21 Cephei $\zeta$										<b>904</b> R. P. L. 150.									
Oct. 18	3.7	22	6	37.27	...	32	28	59.3	C.R.	Sep. 24	...	22	22	45.24	3	4	30	24.9	R
<b>894</b> 24 Cephei.										<b>904</b> R. P. L. 150—s.p.									
Oct. 17	4.8	22	7	27.47	5	18	15	33.5	C.R.	Oct. 8	...	22	45	39	3	30	24.4	C.R.	
24	4.9		7	27.28	6		15	35.0	C.R.	17	...	22	45	71	3	30	23.5	C.R.	
Nov. 9	5.0		7	28.19	...		15	33.5	M	22	...	22	45	72	3	30	25.1	C.R.	
<b>895</b> $\mu^1$ Gruis										<b>904</b> R. P. L. 150—s.p.									
Nov. 12	5.1	22	8	15.52	...	181	57	12.0	M	Nov. 6	...	22	44	41	3	30	25.0	M	
<b>896</b> 43 Aquarii $\theta$										<b>904</b> R. P. L. 150—s.p.									
Oct. 1	...	22	10	23.71	...	98	23	22.6	C.R.	9	...	22	46	48	3	30	22.4	M	
4	...		10	23.58	...		23	23.7	C.R.	14	...	22	45	49	3	30	24.9	M	
26	...		10	23.69	...		23	23.6	C.R.	15	...	22	45	33	3	30	24.8	M	
Nov. 6	...		10	23.76	...		23	23.0	M	21	...	22	44	73	3	30	23.9	M	
<b>897</b> 23 Cephei $\epsilon$										<b>904</b> R. P. L. 150—s.p.									
Nov. 8	4.6	22	10	32.91	...	33	33	53.2	M	Mar. 23	...	22	22	44.97	3	4	30	25.3	M
21	4.9		10	32.96	...		33	52.1	M	23	...	22	45	34	3	30	26.8	M	
										<b>904</b> R. P. L. 150—s.p.									
										Apl. 2									
										6									
										10									
										22									
										27									
										May 8									

## Separate Results of Madras Meridian Circle Observations in 1878.

Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.	Number and Date.	Magnitude.	Mean Right Ascension 1878.			No. of Wires.	Mean Polar Distance 1878.			Observer.
		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
<b>905</b> <i>B. F. 3091.</i>									<b>912</b> <i>46 Pegasi ξ</i>										
Nov. 26	5·8	22	28	53·70	...	114	37	10·4	M	Nov. 11	...	22	40	35·85	...	78	27	7·3	M
28	5·7	28	53·55	...		37	15·6	M											
<b>906</b> <i>62 Aquarii η</i>									<b>913</b> <i>47 Pegasi λ</i>										
Oct. 17	...	22	29	5·14	...	90	44	45·3	C.R.	Nov. 26	...	22	40	39·52	...	67	4	32·1	M
18	...	29	5·13	...		44	44·6	C.R.											
19	...	29	5·23	...		44	44·3	C.R.											
21	...	29	5·24	...		44	45·1	C.R.											
22	...	29	5·19	...		44	45·6	C.R.											
23	...	20	5·00	...		44	45·4	C.R.											
24	...	20	5·18	...		44	44·2	C.R.											
Nov. 11	...	29	5·15	...		44	47·0	M											
22	...	29	5·24	...		44	45·8	M											
<b>907</b> <i>31 Cephei.</i>									<b>914</b> <i>Radcliffe 5847.</i>										
Nov. 12	5·4	22	32	45·56	...	16	59	14·7	M	Nov. 14	5·8	22	44	44· <del>60</del> <sup>29</sup>	...	34	44	40·1	M
14	5·3	32	45·56	...		59	14·7	M	25	5·3	44	44· <del>23</del> <sup>47</sup>	...	44	36·8	M			
<b>908</b> <i>30 Cephei.</i>									<b>915</b> <i>Radcliffe 5864.</i>										
Nov. 15	5·4	22	34	19·94	...	27	2	55·0	M	Nov. 8	5·4	22	46	37· <del>12</del> <sup>6·97</sup>	...	28	57	5·2	M
21	5·5	34	19·89	...		2	54·6	M	27	4·5	46	37· <del>20</del> <sup>73</sup>	...	57	4·6	M			
<b>909</b> <i>42 Pegasi ζ</i>									<b>916</b> <i>23 Piscis Australis δ</i>										
Oct. 3	...	22	35	22·61	...	79	48	17·5	C.R.	Nov. 12	5·4	22	49	11·46	...	128	11	30·2	M
18	...	35	22·58	...		48	18·1	C.R.	21	5·6	49	11·45	...	11	30·4	M			
19	...	35	22·50	...		48	18·8	C.R.											
22	...	35	23·61	...		48	17·5	C.R.											
23	...	35	22·56	...		48	18·3	C.R.											
24	...	35	22·55	...		48	18·0	C.R.											
25	...	35	22·51	...		48	18·4	C.R.											
26	...	35	22·57	...		48	18·1	C.R.											
Nov. 6	...	35	22·39	...		48	15·0	M											
8	...	35	22·50	...		48	18·0	M											
<b>910</b> <i>43 Pegasi ο</i>									<b>917</b> <i>24 Piscis Australis α, Fomalhaut.</i>										
Nov. 9	...	22	36	1·88	...	61	19	48·7	M	Oct. 19	...	22	50	54·28	...	120	16	8·2	C.R.
27	...	36	2·04	...		19	48·5	M	Nov. 22	...	50	54·16	...	16	6·3	M			
<b>911</b> <i>η Gruis.</i>									<b>918</b> <i>ζ Gruis.</i>										
Nov. 28	5·0	22	38	7·97	...	144	8	27·8	M	Nov. 11	5·0	22	53	40·00	...	148	24	28·7	M
										15	5·0	53	30·98	...	24	28·4	M		
<b>919</b> <i>π Piscis Australis.</i>									<b>920</b> <i>54 Pegasi α, Markab.</i>										
Nov. 9	5·7	22	56	44·42	...	125	24	30·1	M	Oct. 18	...	22	58	41·02	...	75	27	3·6	C.R.
25	5·4	56	44·56	...		24	31·4	M	19	...	58	40·95	...	27	3·8	C.R.			
										21	...	58	40·94	...	27	3·7	C.R.		
										22	...	58	40·91	...	27	4·7	C.R.		
										24	...	58	40·97	...	27	3·1	C.R.		
										25	...	58	41·00	...	27	3·4	C.R.		
										26	...	58	40·97	...	27	3·9	C.R.		
Nov. 8	...	58	41·00	...		27	3·9	M	Nov. 8	...	58	41·00	...	27	3·9	M			
14	...	58	41·15	...		27	4·7	M	14	...	58	41·15	...	27	4·7	M			
16	...	58	41·08	...		27	3·8	M	16	...	58	41·08	...	27	3·8	M			

44·29  
44·4936·57  
37·13

## Separate Results of Madras Meridian Circle Observations in 1878.

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		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
<b>921</b> <i>Radcliffe 5944.</i>										<b>931</b> <i>62 Pegasi <math>\tau</math></i>									
Nov. 27	4.9	22	58	54.69	...	23	26	52.0	M	Nov. 9	...	23	14	36.09	...	66	55	38.8	M
28	4.5	58	54.65	...		26	52.2	M											
<b>922</b> <i><math>\theta</math> Gruis.</i>										<b>932</b> <i>98 Aquarii <math>b^1</math>.</i>									
Nov. 21	5.0	23	0	0.06	...	134	10	43.8	M	Nov. 8	...	23	16	33.62	...	110	46	0.6	M
										11	...	16	33.65	...	46	1.1		M	
<b>923</b> <i>89 Aquarii <math>e^2</math>.</i>										<b>933</b> <i>4 Cassiopeæ.</i>									
Nov. 22	...	23	3	23.95	...	113	7	5.9	M	Nov. 15	5.0	23	19	25.68	...	28	23	10.4	M
<b>924</b> <i>7 Andromedæ.</i>										<b>934</b> <i>99 Aquarii <math>b^2</math>.</i>									
Nov. 11	5.2	23	6	57.89	...	41	15	36.0	M	Nov. 22	...	23	19	37.90	...	111	18	35.4	M
15	5.2	6	57.84	...		15	36.3	M	27	...	19	38.12	...	18	37.7		M		
<b>925</b> <i>Lacaille 9412.</i>										<b>935</b> <i>8 Piscium <math>\kappa</math></i>									
Nov. 12	5.9	23	9	36.54	...	152	39	58.2	M	Oct. 17	...	23	20	40.67	...	89	24	44.0	C.R.
<b>926</b> <i><math>\gamma</math> Tucanæ.</i>										Nov. 16 ... 20 40.60 ... 24 44.9 M									
Nov. 14	4.3	23	10	18.15	...	148	54	18.1	M	25	...	20	40.65	...	24	43.5	M		
<b>927</b> <i>92 Aquarii <math>\chi</math></i>										<b>936</b> <i>70 Pegasi <math>q</math>.</i>									
Nov. 25	5.4	23	10	31.52	...	98	23	31.4	M	Nov. 14	5.2	23	22	59.14	...	77	51	44.4	M
27	5.4	10	31.27	...		23	30.7	M											
<b>928</b> <i>6 Piscium <math>\gamma</math></i>										<b>937</b> <i>Radcliffe 6092.</i>									
Oct. 17	...	23	10	50.36	...	87	23	3.2	C.R.	Nov. 21	5.2	23	24	24.19	...	32	7	23.9	M
21	...	10	50.36	...		23	4.0	C.R.	26	5.4	24	24.24	...	7	24.4		M		
23	...	10	50.40	...		23	2.2	C.R.											
25	...	10	50.46	...		23	2.5	C.R.											
Nov. 16	...	10	50.39	...		23	1.5	M											
26	...	10	50.40	...		23	3.5	M											
<b>929</b> <i>8 Andromedæ.</i>										<b>938</b> <i><math>\beta</math> Sculptoris.</i>									
Nov. 21	5.4	23	12	5.70	...	41	39	2.9	M	Nov. 11	5.4	23	26	25.99	...	128	20	33.2	M
<b>930</b> <i><math>\gamma</math> Sculptoris.</i>										12 5.0 26 25.86 ... 29 33.3 M									
Nov. 28	5.0	23	12	13.83	...	123	11	47.6	M										
<b>939</b> <i>101 Aquarii <math>b^4</math>.</i>										<b>940</b> <i>R. P. L. 158—s.p.</i>									
Nov. 28	5.0	23	26	53.39	...	111	35	21.8	M	May 15	...	23	27	49.27	3	3	22	1.8	R
										20	...	27	48.95	3	22	0.4		M	

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		h.	m.	s.		o.	'	"				h.	m.	s.		o.	'	"	
<b>941</b>		<i>ι Phœnicis.</i>								<b>951</b>		<i>5 Cassiopeiæ τ</i>							
Nov. 9	5·2	23	28	30·58	...	133	17	22·7	M	Dec. 6	5·2	23	41	5·74	...	82	1	40·0	M
<b>942</b>		<i>16 Andromedæ λ</i>								<b>952</b>		<i>δ Sculptoris.</i>							
Nov. 8	...	23	31	35·68	...	44	12	11·2	M	Nov. 29	...	23	42	34·09	...	118	48	17·1	M
<b>943</b>		<i>θ Phœnicis—2nd.</i>								<b>953</b>		<i>Radcliffe 6215.</i>							
Nov. 25	5·7	23	32	54·61	...	187	18	54·1	M	Nov. 8	6·6	23	48	55·21	...	16	16	6·8	M
										9	7·0	48	55·41	...	16	7·4	M		
										11	7·3	48	55·24	...	16	8·5	M		
<b>944</b>		<i>17 Piscium ι</i>								<b>954</b>		<i>η Tucanæ.</i>							
Nov. 21	...	23	33	40·30	...	85	2	5·0	M	Nov. 12	5·0	23	51	10·27	...	154	58	32·6	M
27	...	33	40·40	...		2	4·5	M	14	5·0	51	10·13	...	58	32·7	M			
29	...	33	40·49	...		2	4·7	M	Dec. 6	5·2	51	10·24	...	58	32·6	R			
Dec. 2	...	33	40·56	...		2	4·5	R											
<b>945</b>		<i>19 Andromedæ κ</i>								<b>955</b>		<i>27 Piscium.</i>							
Nov. 14	4·6	23	34	24·08	...	46	20	28·8	M	Nov. 21	...	23	52	25·63	...	94	13	56·8	M
										22	...	52	25·64	...	13	57·7	M		
<b>946</b>		<i>103 Aquarii A<sup>1</sup>.</i>								<b>956</b>		<i>π Phœnicis.</i>							
Dec. 6	5·1	23	35	14·82	...	108	42	5·3	R	Nov. 25	5·5	23	52	35·08	...	143	25	38·5	M
										26	5·4	52	36·14	...	25	37·0	M		
<b>947</b>		<i>104 Aquarii A<sup>2</sup>.</i>								<b>957</b>		<i>28 Piscium ω</i>							
Nov. 16	...	23	35	25·69	...	108	29	34·0	M	Nov. 28	...	23	53	2·74	...	88	48	42·1	M
										Dec. 2	...	53	2·77	...	48	41·5	R		
<b>948</b>		<i>105 Aquarii ω<sup>2</sup></i>								<b>958</b>		<i>ε Tucanæ.</i>							
Nov. 11	...	23	36	23·60	...	105	13	9·7	M	Nov. 27	5·0	23	53	34·03	...	156	15	22·3	M
28	...	36	23·56	...		13	9·1	M											
<b>949</b>		<i>78 Pegasi.</i>								<b>959</b>		<i>ζ Sculptoris.</i>							
Nov. 15	...	23	37	51·29	...	61	18	51·2	M	Nov. 16	6·0	23	56	4·52	...	120	24	0·7	M
<b>950</b>		<i>20 Andromedæ ψ</i>								<b>960</b>		<i>Radcliffe 6297.</i>							
Nov. 22	5·5	23	39	59·51	...	44	15	25·4	M	Nov. 15	6·0	23	58	48·53	...	29	21	56·0	M