Variable Red Star.

The Star, Arg. $+36^0 31'68''$, which I found deep crimson in 1876, Apr. 13 (A. N. 2092), when it appeared 8.3 mag., is now at least 7.5, and perhaps nearer 7. It is Nr. 448 in my Red Star Catalogue where I have noticed its variability between 8 and 9 mag., but its range is evidently greater.

The red star that I found on May 22, 9 mag. (A. N. 2377), and which subsequently increased to 8, is now not more than 10. Its variability is undoubted, but I have not as yet been able to determine any regular curve of change. Its crimson is still the deepest that I have observed in the northern heavens.

Millbrook, Tuam, 1881, Sept. 15.

J. Birmingham.

Osservazioni della cometa *b* 1881,

fatte all' equatoriale di 9 pollici e col micrometro filare del R. Osservatorio del Collegio Romano.

1881	T. m. di Roma	$\Delta\alpha$	$\Delta\delta$	Confr.	α app.	δ app.	Osserv.	*
Giugn. 24	13 ^h 22 ^m 3 ^s	+ 2 ^m 9 ^s 37	— 11' 7" 9	3 : 1	5 ^h 38 ^m 52 ^s 07	49° 35' 8" 7	M	1
24	13 29 12	+ 2 10.40	— 9 51.0	3 : 1	5 38 53.10	49 36 25.6	»	1
24	13 40 10	—	— 8 7.6	1	—	49 38 9.0	»	1
24	13 49 58	+ 2 12.73	— 6 27.8	3 : 1	5 38 55.43	49 39 48.8	»	1
24	13 55 39	+ 2 14.83	— 5 34.0	3 : 1	5 38 57.53	49 40 42.6	»	1
24	14 3 46	+ 2 15.90	— 4 12.2	3 : 1	5 38 58.60	49 42 4.4	»	1
25	14 4 25	— 2 45.78	+ 11 57.1	10 : 5	5 43 13.41	53 37 50.6	»	2
Luglio 13	14 56 25	+ 1 10.09	+ 0 11.2	12 : 12	9 21 9.24	81 51 7.3	T	3
21	10 2 14	+ 1 40.26	+ 5 54.1	9 : 10	—	—	»	4
25	9 11 18	+ 0 41.77	—	6	12 13 21.74	—	»	5
25	9 26 30	—	+ 2 51.0	4	—	81 29 9.2	»	5
25	9 35 14	+ 0 52.00	—	5	12 13 31.97	—	»	5
26	8 50 54	+ 2 36.52	—	6	12 22 15.63	—	»	6
26	9 1 19	—	— 9 52.3	8	—	81 19 17.9	»	6
26	9 11 43	+ 2 44.68	—	6	12 22 23.79	—	»	6
27	9 4 29	+ 0 25.78	—	6	12 30 55.23	—	»	7
27	9 12 55	—	+ 14 32.1	5	—	81 8 58.2	»	7
27	9 22 36	+ 0 31.52	—	6	12 31 0.97	—	»	7
28	8 53 35	— 7 27.99	— 4 43.3	9 : 3	12 38 39.15	80 58 37.6	»	8
29	9 34 13	+ 4 31.13	+ 13 17.1	15 : 5	—	—	»	9
30	9 17 16	— 1 58.81	+ 4 2.1	7 : 7	—	—	»	10
31	9 30 25	+ 4 33.80	— 6 40.0	17 : 5	—	—	»	10
Agosto 1	9 32 13	— 5 7.11	— 0 58.2	12 : 4	—	—	»	11
2	8 57 4	+ 0 31.71	— 11 10.7	13 : 8	—	—	»	11
3	9 2 28	— 2 7.47	— 8 23.9	13 : 5	—	—	»	12
4	10 8 10	— 4 13.65	+ 8 39.1	14 : 4	—	—	»	13
5	9 39 43	+ 0 44.77	— 1 18.5	7 : 8	—	—	»	13
6	14 16 31	+ 7 33.80	+ 6 56.5	9 : 3	13 33 28.37	79 22 30.3	»	14
7	14 12 6	+ 12 20.08	— 2 59.8	6 : 7	13 38 14.55	79 12 33.9	»	14
8	9 9 20	— 5 44.56	— 4 39.9	12 : 8	—	—	»	15
9	10 53 5	— 2 47.46	+ 6 46.5	12 : 8	—	—	»	16
10	8 52 25	+ 1 9.48	— 1 47.8	18 : 6	—	—	»	16
11	8 58 14	+ 5 22.65	— 11 14.9	11 : 4	—	—	»	16
12	9 34 8	— 5 43.72	— 11 55.7	10 : 6	13 58 49.98	78 27 22.0	»	17
13	9 41 17	— 6 21.10	+ 11 48.0	8 : 6	14 2 56.26	78 18 16.6	»	18
15	9 49 32	+ 1 32.05	— 5 48.5	15 : 10	14 10 49.17	78 0 39.7	»	18
16	10 4 31	+ 5 23.53	— 14 31.3	9 : 6	14 14 40.55	77 51 46.8	»	18
18	9 52 26	— 3 38.77	+ 14 36.7	12 : 4	14 22 18.31	77 35 13.6	»	19
19	9 22 36	— 0 0.47	+ 6 40.5	15 : 4	14 25 56.52	77 27 17.3	»	19
21	9 42 49	+ 1 28.13	+ 5 41.2	12 : 4	14 33 26.71	77 11 1.3	»	20