Comet c 1877.

Observations of Comet c 1877, with the XXVI-inch Equatorial of the Naval Observatory, Washington.

[Communicated by Rear-Admiral John Rodgers U. S. N., Superintendent.]

Date 1877	Comp. Star.	Washington Sidereal Time.	$\Delta\alpha$		No. of Obs.	$\Delta\delta$		No. of Obs.	δ		Eye Piece	Remarks.
			$\searrow$	$\swarrow$		$\searrow$	$\swarrow$		α'	δ'		
May 12	a	12 ^h 35 ^m 41 ^s 0	—	0 ^m 1 ^s 73	4				6 ^h 29 ^m 6 ^s 53			
12	a	12.25. 4.				+	6' 51''0	3		+54°8'31''2		
12	b	12.40. 1.8	—	0 16 29	14				6.29. 8.06			
12	b	12.12.29.				+	7.25.7	3		54. 9.59.3		
15	c	13.17. 9.				—	13.35.3	1		51.13.57.5		cloudy & no $\Delta\alpha$ observed.
15	c	13.22.—.	—	0.55. +	est. d				6.53.29:			
17	d	12.42.45				—	4. 0 3	4		49.14. 2.4		
17	d	13.39.27.0	+	2.20.45	6				7.8.11.13*			* The D.M. gives d—e, $\Delta\alpha = 18^{\circ}8$; observed $\Delta\alpha =$ 17°70 (6)
17	e	13.39.27.0	+	2. 2.75	6				7.8.12.23*			
18	f	12.41.36.				—	5.53.2	4		48.11.46.8		
18	f	13. 3. 1.2	—	3.16.05	6				7.14.37.16			
29	g	14. 7.12.8	—	0.18.08	10				8. 9.12.87			
29	g	13.58.13.				+	0.22.6	4		36.46.14.3		
29	h	14. 7.12.8	—	0.20.04	10				8. 9.12.91			
31	i	13.47.52.				+	3 50.3	5		34.48.44.4		
31	i	13.59.39.5	+	0.42.38	16				8.16 30.58			
June 1	k	13.34. 3.6	—	0.29.41	16				8.19.51.71			
1	k	13.46.53.				—	5.17 0	6		33.50.44.1		

Continued cloudy weather till June 14 prevented further observations which could easily have been made under fair conditions.

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Date 1877	Comparison star.	Comparison Star.				Remarks.
		α 1877.0	α' at date	δ 1877.0	δ' at date	
May 12	a = O. A. N. 7049	6 ^h 29 ^m 9 ^s 01	6 ^h 29 ^m 8 ^s 26	+ 54° 1' 55''1	+ 54° 1' 40''2	
	b = O. A. N. 7052	6.29.25.10	6.29.24.35	+ 54. 2.48.5	+ 54. 2.33.6	
15	c = O. A. N. 7479	6.54.24.56	6.54.23.61	+ 51.27.46.8	+ 51.27.32.8	
17	d = D. M. 1607	7. 5.51.7	7. 5.50.68	+ 49.18.16.—	+ 49.18. 2.7	
	e = D. M. 1608	7. 6.10.5	7. 6. 9.48	+ 49.18.46.—	+ 49.18.32.7	
18	f = O. A. N. 7878	7.17.54.31	7.17 53.21	+ 48.17.52.8	+ 48.17.40.0	
29	g = D. M. 1782	8. 9.32.2	8. 9.30.95	+ 36 46. 0.—	+ 36.45.51.7	
	h = D. M. 1783	8. 9.34.2	8. 9.32.95	+ 36.44.48.—	+ 36.44.39.7	
31	i = Anon. 9 ^m	8.15.49.45	8.15.48.20	+ 34.45. 1.6	+ 34.44 54.1	i-j { $\Delta\alpha = +2^{\text{m}}17^{\text{s}}48$ (4) $\Delta\delta = +2'38''8$ (2)
	j = Ll. 16.285	8.13.31.97	8.13.30.72	+ 34.42.22.8	+ 34.42.15.3	
June 1	k = W ² . B. 435	8.20.22.38	8.20.21.12	+ 33.56. 8.1	+ 33.56. 1.1	i = D. M. 1816?

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