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The Astronomer

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COMET AUSTIN (1984i)

Marsden telexes the following elements by him, calculated from more than 3 precise positions over a 2 day arc, with residuals between 1" and 5" arc.

T = 1984 August 12.132 E.T.

$w = 352.83^\circ$

$\Omega = 170.57^\circ$ 1950.0

$i = 164.11^\circ$

$q = 0.2912$ A.U.

The comet is described as diffuse, with central condensation, but without report of any tail. The comet is rapidly approaching the sun and the following ephemeris by Marsden, extended, elongations and magnitudes added by Birtwhistle should aid in identification. Magnitudes assume:

$$m_1 = 11 + 5 \log(\text{Earth}) + 10 \log(\text{Sun})$$

1984 E.T.	R.A. (1950) Dec	Earth	Sun	elong.	m_1
Jul 11	6h24.8m -34° 57'	0.258	0.909	59°	+7.6
12	7 01.1 -32 01				
13	7 32.4 -28 44	0.279	0.867	54	+7.6
14	7 58.8 -25 25				
15	8 20.7 -22 14	0.317	0.824	45	+7.7
20	9 26.2 -10 18				
25	9 54.8 -3 22	0.626	0.603	34	+7.8
30	10 07.6 +1 20				
Aug 4	10 10.7 +5 17	0.992	0.385	22	+6.8

P. Birtwhistle