

PERIODIC COMET WILD 3 1980d

The following improved orbital elements, by S. Nakano, are from 25 observations 1980 April 11 to 1980 June 14. Perturbations by all nine planets were taken into account. The mean residual is ± 1.44 arc second.

Epoch=	1980 Oct.	8.0 ET	
T=	1980 Oct.	5.17184	± 0.02042 (m. e.) ET
Peri.=		179.32636	± 0.02321
Node =		72.03735	± 0.02133 1950.0
Inc. =		15.46431	± 0.00743
q=		2.2879207	± 0.0010745 AU
e=		0.3679613	± 0.0002338
a=		3.6199062	± 0.0010478 AU
n=		0.14310608	± 0.00006213
P=		6.887	± 0.0029904 years
			(± 1.09 days)

The following residuals in seconds of arc are from the above elements:

Date/ UT		*** O-C ***		Code / Obs.
		"	"	
1980 Apr.	11.077	0.0	0.6+	026 / wi
	11.942	0.5+	0.2+	026 / wi
	12.904	0.1+	0.9-	026 / wi
May	7.863	0.5+	1.1+	026 / wi
	7.901	0.5-	0.7+	026 / wi
	9.178	0.0	2.3-	688 / ac
	9.674	3.1-	0.2-	372 / sk
	9.683	3.5-	1.1-	372 / sk
	10.273	0.7+	2.0-	688 / bw
	11.883	1.6+	1.1-	026 / wi
	12.019	0.9+	0.5+	026 / wi
	14.174	0.9+	2.9+	801 / HO 1
	17.110	0.9-	0.4-	801 / HO
	18.510	1.3+	2.9+	372 / sk
	20.028	1.8+	0.4+	026 / wi

continued

Date/ UT		*** O-C ***		Code / Obs.	
		"	"		
1980 June	4.898	0.5-	0.8+	026 /	wi
	6.116	3.3+	1.0-	801 /	HO
	6.542	(0.4+	5.4+)	381 /	ks
	9.933	0.9-	1.2-	046 /	KL
	9.947	0.4+	1.1+	046 /	KL
	11.894	2.1-	1.4-	046 /	KL
	11.908	1.8-	0.4-	046 /	KL
	11.913	0.9+	2.0-	026 /	wi 1
	12.107	(4.4+	0.8+)	801 /	HO
	12.895	1.1+	0.9+	046 /	KL
	12.909	(1.5-	5.6+)	046 /	KL
	14.901	1.3+	0.8+	046 /	KL
	14.915	1.8-	1.0+	046 /	KL

() ----- Rejected Obs.

1981 March 15

S. Nakano