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- Processing (Info)

MPEC 2021-Y71 : 2021 YO

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M.P.E.C. 2021-Y71 Issued 2021 December 29, 22:33 UT

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2021 YO

Observations:

Table with 10 columns: Object ID, Date, RA, Dec, Mag, etc. listing various observations for objects like K21Y000*, K21Y000, etc.

Observer details:

- 033 Karl Schwarzschild Observatory, Tautenburg. Observers S. Melnikov, C. Hoegner, U. Laux, F. Ludwig, B. Stecklum. Measurer B. Stecklum. 1.34-m f/3 Schmidt + CCD.
B49 Paus Observatory, Sabadell. Observer J. Camarasa. 0.30-m f/4.0 reflector + CCD.
G96 Mt. Lemmon Survey. Observer G. J. Leonard. Measurers E. J. Christensen, G. A. Farneth, D. C. Fuls, A. R. Gibbs, A. D. Grauer, H. Groeller, R. A. Kowalski, S. M. Larson, G. J. Leonard, D. Rankin, R. L. Seaman, F. C. Shelly, K. W. Wierzbachos. 1.5-m reflector + 10K CCD.
J57 Centro Astronomico Alto Turia, Valencia. Observer A. Fornas. Measurers A. Fornas, G. Fornas, E. Arce, V. Mas. 0.43-m f/6.8 reflector + CCD.
K88 GINOP-KHK, Piszkesteto. Observer K. Sarneczky. 0.60-m Schmidt + CCD.
Y00 SONEAR Observatory, Oliveira. Observer C. Jacques. 0.45-m f/2.9 reflector + CCD.

Orbital elements:

Table with 5 columns: Element name, Value, Earth MOID, Veres, Q. Includes values for Epoch, M, n, a, e, P, H, G, U.

Residuals in seconds of arc

Table with 8 columns: Object ID, Residual 1, Residual 2, Object ID, Residual 3, Residual 4, Object ID, Residual 5.

211227 G96	0.1+	0.1-	211227 J57	0.3-	0.4-	211229 K88	0.1-	0.4-
211227 G96	0.0	0.1-	211227 J57	0.1+	0.3-	211229 K88	0.2+	0.2+
211227 G96	0.1+	0.1-	211227 J57	0.2-	0.3-	211229 K88	0.1-	0.2+
211227 G96	0.0	0.0	211228 B49	(0.6-	2.8-)			
211227 033	0.0	0.3+	211228 B49	(0.1-	3.2-)			

Ephemeris:

2021 YO a,e,i = 1.99, 0.47, 35 q = 1.0543

Date	TT	R. A. (2000)	Decl.	Delta	r	Elong.	Phase	V
2021	11	08 06	12.7 -20 54 04	0.3756	1.1710	110.3	52.2	20.6
...								
2021	12	07 45	09.4 +01 32 09	0.3233	1.2485	139.7	30.7	19.9
...								
2021	12	07 27	03.9 +15 58 58	0.3283	1.2944	158.3	16.3	19.5
...								
2021	12	07 11	20.9 +26 00 57	0.3512	1.3303	169.5	7.7	19.4
2021	12	07 08	38.1 +27 32 06	0.3566	1.3364	170.5	7.0	19.4
2021	12	07 05	54.8 +29 00 08	0.3623	1.3425	171.1	6.5	19.4
...								
2022	01	06 49	45.3 +36 38 41	0.4052	1.3797	165.8	10.1	19.9
...								
2022	01	06 30	32.1 +43 50 45	0.4803	1.4303	153.8	17.7	20.6
...								
2022	01	06 08	32.3 +50 48 06	0.6581	1.5270	135.8	26.7	21.7

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