

OBSERVERS**DATA****IAWN****BETA****STATUS****SBN ANNEX**

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MPEC 2021-X219 : 2021 XD6

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M.P.E.C. 2021-X219

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2021 XD6

Observations:

K21X06D*	C2021	12	13.25408505	36	03.03	+04	36	06.9	18.38GVEX219703	
K21X06D	C2021	12	13.25960605	36	05.37	+04	39	26.2	18.86GVEX219703	
K21X06D	C2021	12	13.26513105	36	07.65	+04	42	42.8	19.26GVEX219703	
K21X06D	C2021	12	13.27066405	36	09.84	+04	46	00.7	19.00GVEX219703	
K21X06D	mC2021	12	13.31373905	36	26.97	+05	11	14.2	18.38GVEX219152	
K21X06D	mC2021	12	13.31499805	36	27.45	+05	11	57.9	18.55GVEX219152	
K21X06D	mC2021	12	13.31516305	36	27.50	+05	12	03.3	18.31GVEX219152	
K21X06D	mC2021	12	13.31532805	36	27.57	+05	12	09.2	18.34GVEX219152	
K21X06D	C2021	12	13.43176605	37	12.53	+06	15	00.2	18.4 GVEX219H01	
K21X06D	C2021	12	13.43487005	37	14.06	+06	16	36.1	18.1 GVEX219H01	
K21X06D	C2021	12	13.43982205	37	16.53	+06	19	09.3	18.4 GVEX219H01	
K21X06D	C2021	12	13.44496605	37	19.19	+06	21	47.0	18.2 GVEX219H01	
K21X06D	KC2021	12	13.52999	05	39	39.19	+07	27	14.4	18.8 VqEX219E23
K21X06D	KC2021	12	13.56358	05	39	49.41	+07	43	20.2	19.0 VqEX219E23
K21X06D	KC2021	12	13.57746	05	39	53.55	+07	49	51.5	qEX219E23
K21X06D	IC2021	12	13.82568805	43	10.33	+09	12	19.5	18.9 GVEX219L01	
K21X06D	bC2021	12	13.82723905	43	10.95	+09	12	57.6	18.0 GVEX219L01	
K21X06D	bC2021	12	13.82879605	43	11.55	+09	13	36.2	19.5 GVEX219L01	
K21X06D	IC2021	12	13.83035505	43	12.12	+09	14	14.1	18.5 GVEX219L01	
K21X06D	bC2021	12	13.83352905	43	13.33	+09	15	31.5	19.0 GVEX219L01	
K21X06D	bC2021	12	13.83501605	43	13.86	+09	16	08.0	18.4 GVEX219L01	
K21X06D	KC2021	12	13.84739605	43	21.09	+09	20	57.8	VEX219203	
K21X06D	KC2021	12	13.85371905	43	20.25	+09	23	31.9	XEX219595	
K21X06D	KC2021	12	13.85526	05	43	29.73	+09	24	07.2	19.0 GVEX219I93
K21X06D	KC2021	12	13.85627505	43	24.26	+09	24	32.4	18.7 GVEX219203	
K21X06D	KC2021	12	13.85809	05	43	30.82	+09	25	14.8	VEX219I93
K21X06D	KC2021	12	13.85842005	43	32.02	+09	25	35.3	17.9 GXEX219958	
K21X06D	KC2021	12	13.86083	05	43	31.87	+09	26	21.1	19.2 GVEX219I93
K21X06D	KC2021	12	13.86556805	43	34.73	+09	28	26.3	17.6 GXEX219958	
K21X06D	KC2021	12	13.86706205	43	27.99	+09	28	50.8	18.6 GVEX219203	
K21X06D	KC2021	12	13.87072605	43	25.88	+09	30	18.4	18.9 GXEX219595	
K21X06D	KC2021	12	13.87095	05	43	39.19	+09	31	30.7	17.8 GXEX219J57
K21X06D	KC2021	12	13.87271505	43	37.28	+09	31	19.9	17.4 GXEX219958	
K21X06D	KC2021	12	13.87561	05	43	40.80	+09	33	21.8	17.3 GXEX219J57
K21X06D	KC2021	12	13.87986	05	43	42.24	+09	35	03.2	18.1 GXEX219J57
K21X06D	KC2021	12	13.89045705	43	42.47	+09	38	53.8	18.8 GVEX219B49	
K21X06D	KC2021	12	13.89263905	43	43.20	+09	39	45.1	18.7 GVEX219B49	
K21X06D	KC2021	12	13.89541705	43	44.03	+09	40	51.0	18.1 GVEX219B49	
K21X06D	KC2021	12	13.89993105	43	45.34	+09	42	36.0	19.0 GVEX219B49	

Observer details:

203 GigaGa Observatory. Observers S. Foglia, G. Galli. Measurer G. Galli.
0.36-m f/5.76 Schmidt-Cassegrain + CCD.

595 Farra d'Isonzo. Observers E. Pettarin, A. Toso. Measurer E. Pettarin.
0.61-m f/4.5 reflector + CCD.

703 Catalina Sky Survey. Observer H. Groeller. 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. Wierzchos. 0.68-m Schmidt + 10K CCD.

958 Observatoire de Dax. Observer P. Dupouy. 0.32-m Schmidt-Cassegrain +
CCD.

B49 Paus Observatory, Sabadell. Observer J. Camarasa. 0.30-m f/4.0 reflector + CCD.
E23 Arcadia. Observer A. Hidas. 0.35-m f/1.9 reflector + CCD.
H01 Magdalena Ridge Observatory, Socorro. Observers W. H. Ryan, E. V. Ryan. Measurer W. H. Ryan. 2.4-m f/8.9 Ritchey-Chretien + CCD.
 I52 Steward Observatory, Mt. Lemmon Station. Observer D. C. Fuls. 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. Wierzchos.
 I93 St Pardon de Conques. Observer F. Losse. 0.40-m f/3.7 reflector + CCD.
157 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.
 L01 Visnjac Observatory, Tican. Observer K. Korlevic. 1.0-m f/2.9 reflector + CCD.

Orbital elements:

2021 XD6 Earth MOID = 0.0027 AU
 Epoch 2022 Jan. 21.0 TT = JDT 2459600.5 Veres
 M 75.22710 (2000.0) P Q
 n 0.83155846 Peri. 291.39041 +0.93246515 -0.36096624
 a 1.1199729 Node 89.77151 +0.33661013 +0.85349758
 e 0.1838921 Incl. 0.83449 +0.13115775 +0.37582609
 P 1.19 H 28.53 G 0.15 U 5

Residuals in seconds of arc

211213 703 1.1+ 1.8+ 211213 E23 0.3- 1.0+ 211213 958 0.0 1.3+
211213 703 0.7+ 1.2+ 211213 E23 (1.6+ 2.0+) 211213 I93 0.3- 0.0
211213 703 0.0 1.2- 211213 L01 0.1- 0.2- 211213 958 0.0 0.2+
211213 703 1.5- 1.7- 211213 L01 0.3+ 0.2- 211213 203 0.1- 0.0
211213 I52 0.1- 0.1- 211213 L01 0.3+ 0.2+ 211213 595 0.3- 0.3-
211213 I52 0.1- 0.3+ 211213 L01 0.1- 0.1- 211213 J57 0.1+ 0.2+
211213 I52 0.2- 0.1- 211213 L01 0.2+ 0.4- 211213 958 0.9- 3.0+
211213 I52 0.1- 0.1+ 211213 L01 0.2- 0.2- 211213 J57 0.1+ 0.0
211213 H01 0.1- 0.1- 211213 203 0.5+ 0.2- 211213 J57 0.3+ 0.3+
211213 H01 0.0 0.3- 211213 595 0.3- 0.2- 211213 B49 0.6- 0.4-
211213 H01 0.1- 0.2+ 211213 I93 0.2- 0.4+ 211213 B49 0.4+ 0.4-
211213 H01 0.6+ 0.1- 211213 203 0.1- 0.1+ 211213 B49 0.1+ 0.3+
211213 E23 0.5+ 0.3- 211213 I93 0.3- 0.2- 211213 B49 0.4- 0.1-

Ephemeris:

2021 XD6 a,e,i = 1.12, 0.18, 1 q = 0.9140
 Date TT R. A. (2000) Decl. Delta r Elong. Phase V
 2021 11 13 17 57 36.2 -25 54 17 0.08382 0.9260 39.0 137.7 29.5
 ...
 2021 11 28 18 11 55.9 -28 18 45 0.03770 0.9533 27.4 151.6 30.0
 ...
 2021 12 06 18 26 40.4 -34 34 58 0.01489 0.9719 24.4 155.2 28.9
 ...
 2021 12 12 05 01 04.4 -18 04 25 0.0037120.9874 138.7 41.1 18.0
 2021 12 13 05 31 28.0 +01 58 23 0.0059960.9901 158.7 21.2 18.4
 2021 12 14 05 44 07.9 +10 28 26 0.0086180.9928 166.5 13.4 19.0
 ...
 2021 12 20 06 03 33.5 +22 33 46 0.02544 1.0092 177.1 2.9 20.9
 ...
 2021 12 28 06 08 15.8 +25 22 29 0.04899 1.0323 175.3 4.5 22.4
 ...
 2022 01 12 06 13 07.2 +26 33 03 0.09864 1.0773 161.2 17.1 24.6

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