3I/ATLAS = C/2025 N1 (ATLAS)

Initial reported observation by ATLAS Chile, Rio Hurtado on 2025-07-01.

Orbit

epoch	2025-11-21.0
epoch JD	2461000.5
perihelion date	2025-10-29.48277
perihelion JD	2460977.98277
argument of perihelion (°)	128.00724
ascending node (°)	322.15485
inclination (°)	175.11293
eccentricity	6.1396579
perihelion distance (AU)	1.3564837
radial non-grav. param.	
transverse non-grav. param.	

semimajor axis (AU)	
mean anomaly (°)	
mean daily motion (°/day)	
aphelion distance (AU)	
period (years)	
P-vector [x]	-0.96791181
P-vector [y]	-0.2488774
P-vector [z]	-0.03473862
Q-vector [x]	-0.24579422
Q-vector [y]	0.90889888
Q-vector [z]	0.33687984

recip semimajor axis orig (AU)	-3.78917
recip semimajor axis future (AU)	-3.788751
recip semimajor axis error (AU)	0.0000349
reference	E2025-Y51
observations used	5376
residual rms (arc-secs)	0.50
perturbers coarse indicator	M-v
perturbers precise indicator	003Ek
first observation date used	2025-05-08.0
last observation date used	2025-12-18.0
computer name	Pike
orbit quality code	

Observations

5579 total observations over interval: 2025 05 08.517659 – 2025 12 18.234155

These data are available for download (format description).

Date (UT)	J2000 RA	J2000 Dec	Magn	Location	Ref
2025 05 08.517659	19 12 35.590	-18 42 21.35	21.57 V	C57 – TESS	MPC 187161
2025 05 10.603515	19 11 27.094	-18 41 21.70	21.64 V	C57 – TESS	MPC 187161
2025 05 12.689361	19 10 11.775	-18 40 49.56	21.82 V	C57 – TESS	MPC 187161
2025 05 14.990495	19 08 42.571	-18 40 42.61	21.39 V	C57 – TESS	MPC 187161
2025 05 15.421174	19 08 28.246	-18 41 39.48	19.22 r	I41 – Palomar Mountain--ZTF	MPC 187161
2025 05 17.076322	19 07 17.030	-18 40 52.12	20.81 V	C57 – TESS	MPC 187161
2025 05 21.366015	19 04 11.124	-18 42 04.65	20.80 V	C57 – TESS	MPC 187161
2025 05 21.944615	19 03 40.745	-18 41 56.13	20.08 c	M01 – Weizmann Astrophysical Observatory	MPC 186021
2025 05 22.373611	19 03 19.698	-18 41 58.91	20.49 g	I41 – Palomar Mountain--ZTF	MPC 186021
2025 05 22.373800	19 03 19.751	-18 41 58.81	20.52 g	I41 – Palomar Mountain--ZTF	MPC 187161

2025 05 22.396817	19 03 18.499	-18 41 59.34	20.10 r	I41 – Palomar Mountain--ZTF	MPC 186021
2025 05 22.397006	19 03 18.499	-18 41 59.25	20.10 r	I41 – Palomar Mountain--ZTF	MPC 187161
2025 05 22.572140	19 03 13.051	-18 41 53.66	20.52 V	C57 – TESS	MPC 187161
2025 05 23.778263	19 02 11.316	-18 41 38.35	20.49 V	C57 – TESS	MPC 187161
2025 05 24.984380	19 01 06.821	-18 41 27.65	20.50 V	C57 – TESS	MPC 187161
2025 05 26.190493	18 59 59.967	-18 41 23.56	20.39 V	C57 – TESS	MPC 187161
2025 05 27.377060	18 58 53.951	-18 42 35.00	20.29 r	I41 – Palomar Mountain--ZTF	MPC 186021
2025 05 27.377249	18 58 53.982	-18 42 34.63	20.40 r	I41 – Palomar Mountain--ZTF	MPC 187161
2025 05 27.396603	18 58 50.925	-18 41 26.48	20.14 V	C57 – TESS	MPC 187161
2025 05 28.826103	18 57 26.398	-18 41 39.17	19.92 V	C57 – TESS	MPC 187161
2025 05 30.029889	18 56 13.062	-18 41 57.95	20.03 V	C57 – TESS	MPC 187161
2025 05 31.233670	18 54 57.922	-18 42 24.60	19.82 V	C57 – TESS	MPC 187161
2025 06 01.437449	18 53 41.282	-18 42 59.45	20.25 V	C57 – TESS	MPC 187161
2025 06 04.361643	18 50 26.891	-18 43 58.31	19.90 r	I41 – Palomar Mountain--ZTF	MPC 186021
2025 06 04.361829	18 50 26.888	-18 43 57.63	19.91 r	I41 – Palomar Mountain--ZTF	MPC 187161
2025 06 04.398803	18 50 24.281	-18 43 58.78	20.25 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 06 08.340926	18 45 32.947	-18 44 39.84		I41 – Palomar Mountain--ZTF	MPC 186021
2025 06 08.399676	18 45 28.265	-18 44 41.72	19.72 g	I41 – Palomar Mountain--ZTF	MPC 186021
2025 06 08.399868	18 45 28.270	-18 44 41.53	19.74 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 06 10.342037	18 42 54.201	-18 44 58.54	19.31 r	I41 – Palomar Mountain--ZTF	MPC 186021
2025 06 10.342220	18 42 54.137	-18 44 58.33	19.53 r	I41 – Palomar Mountain--ZTF	MPC 187161
2025 06 14.252037	18 37 22.004	-18 45 26.49	19.58 g	I41 – Palomar Mountain--ZTF	MPC 186021
2025 06 14.252221	18 37 22.052	-18 45 26.77	19.55 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 06 18.358808	18 31 01.100	-18 45 35.06	18.65 r	I41 – Palomar Mountain--ZTF	MPC 186021
2025 06 18.358997	18 31 01.063	-18 45 35.84	18.62 r	I41 – Palomar Mountain--ZTF	MPC 187161
2025 06 18.436493	18 30 53.499	-18 45 36.09	19.15 g	I41 – Palomar Mountain--ZTF	MPC 186021
2025 06 18.436675	18 30 53.463	-18 45 36.12	19.09 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 06 21.232222	18 26 14.460	-18 45 24.35	20.21 g	I41 – Palomar Mountain--ZTF	MPC 186021
2025 06 21.232405	18 26 14.515	-18 45 24.36	20.20 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 06 21.624177	18 25 34.073	-18 45 22.66	18.21 g	E55 – GOTO South	MPC 187161
2025 06 21.624803	18 25 34.068	-18 45 22.79	18.31 g	E55 – GOTO South	MPC 187161
2025 06 21.625416	18 25 34.046	-18 45 22.27	18.12 g	E55 – GOTO South	MPC 187161
2025 06 21.626040	18 25 34.029	-18 45 23.54	18.47 g	E55 – GOTO South	MPC 187161
2025 06 24.387441	18 20 40.188	-18 44 45.46	18.09 o	W68 – ATLAS Chile, Rio Hurtado	MPC 184791
2025 06 24.390779	18 20 39.857	-18 44 45.64	18.14 o	W68 – ATLAS Chile, Rio Hurtado	MPC 184791
2025 06 24.406586	18 20 38.153	-18 44 45.53	18.09 o	W68 – ATLAS Chile, Rio Hurtado	MPC 184791
2025 06 25.073929	18 19 24.814	-18 44 34.04	18.39 c	M22 – ATLAS South Africa, Sutherland	MPC 184791
2025 06 25.075333	18 19 24.734	-18 44 34.73	18.37 c	M22 – ATLAS South Africa, Sutherland	MPC 184791
2025 06 25.094290	18 19 22.579	-18 44 33.97	18.36 c	M22 – ATLAS South Africa, Sutherland	MPC 184791
2025 06 27.239438	18 15 20.887	-18 43 48.90	17.84 o	W68 – ATLAS Chile, Rio Hurtado	MPC 184791
2025 06 27.243947	18 15 20.362	-18 43 48.61	18.02 o	W68 – ATLAS Chile, Rio Hurtado	MPC 184791

2025 06 27.335289	18 15 09.894	-18 43 49.39	17.97 r	I41 – Palomar Mountain--ZTF	MPC 186021
2025 06 27.335476	18 15 09.843	-18 43 49.38	17.98 r	I41 – Palomar Mountain--ZTF	MPC 187161
2025 06 28.292905	18 13 18.754	-18 43 23.42	18.72 g	I41 – Palomar Mountain--ZTF	MPC 186021
2025 06 28.293090	18 13 18.738	-18 43 22.92	18.70 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 06 28.335313	18 13 13.758	-18 43 22.16		I41 – Palomar Mountain--ZTF	MPC 184791
2025 06 28.450145	18 13 00.300	-18 43 18.55	18.14 c	T05 – ATLAS-HKO, Haleakala	MPC 184791
2025 06 28.453332	18 12 59.873	-18 43 17.98	18.38 c	T05 – ATLAS-HKO, Haleakala	MPC 184791
2025 06 28.459711	18 12 59.158	-18 43 18.01	18.28 c	T05 – ATLAS-HKO, Haleakala	MPC 184791
2025 06 29.303900	18 11 19.428	-18 42 52.55	18.99 g	I41 – Palomar Mountain--ZTF	MPC 186021
2025 06 29.304088	18 11 19.395	-18 42 52.54	19.00 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 06 29.315081	18 11 18.077	-18 42 52.83	18.47 r	I41 – Palomar Mountain--ZTF	MPC 186021
2025 06 29.315263	18 11 18.063	-18 42 52.32	18.43 r	I41 – Palomar Mountain--ZTF	MPC 187161
2025 06 30.349965	18 09 13.670	-18 42 16.31	17.98 r	I41 – Palomar Mountain--ZTF	MPC 186021
2025 06 30.350149	18 09 13.708	-18 42 15.80	17.98 r	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 01.218880	18 07 27.677	-18 41 40.16	17.72 o	W68 – ATLAS Chile, Rio Hurtado	MPC 184791
2025 07 01.222065	18 07 27.295	-18 41 40.13	17.78 o	W68 – ATLAS Chile, Rio Hurtado	MPC 184792
2025 07 01.229203	18 07 26.400	-18 41 39.70	17.85 o	W68 – ATLAS Chile, Rio Hurtado	MPC 184792
2025 07 01.264248	18 07 22.063	-18 41 37.82	17.93 o	W68 – ATLAS Chile, Rio Hurtado	MPC 184792
2025 07 01.346734	18 07 12.096	-18 41 34.33	18.4 G	474 – Mount John Observatory, Lake Tekapo	MPC 184792
2025 07 01.355413	18 07 10.999	-18 41 34.08	18.2 G	474 – Mount John Observatory, Lake Tekapo	MPC 184792
2025 07 01.361931	18 07 10.229	-18 41 33.58	18.2 G	474 – Mount John Observatory, Lake Tekapo	MPC 184792
2025 07 01.84234	18 06 10.74	-18 41 16.6	17.6 G	M45 – Starhopper Observatory, Sfantu Gheorghe	MPC 184792
2025 07 01.84987	18 06 09.77	-18 41 16.5	18.4 G	M45 – Starhopper Observatory, Sfantu Gheorghe	MPC 184792
2025 07 01.85739	18 06 08.81	-18 41 16.5	18.0 G	M45 – Starhopper Observatory, Sfantu Gheorghe	MPC 184792
2025 07 01.878561	18 06 06.22	-18 41 14.7	18.0 V	L01 – Visnjan Observatory, Tican	MPC 184792
2025 07 01.880664	18 06 05.95	-18 41 14.6	18.0 V	L01 – Visnjan Observatory, Tican	MPC 184792
2025 07 01.888424	18 06 05.00	-18 41 14.4	18.3 V	L01 – Visnjan Observatory, Tican	MPC 184792
2025 07 01.890622	18 06 04.72	-18 41 14.1	18.2 V	L01 – Visnjan Observatory, Tican	MPC 184792
2025 07 01.90559	18 06 02.88	-18 41 12.9	17.5 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 184792
2025 07 01.91470	18 06 01.75	-18 41 12.6	17.4 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 184792
2025 07 01.92381	18 06 00.61	-18 41 11.6	17.4 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 184792
2025 07 01.92548	18 06 00.42	-18 41 12.6	17.4 G	G00 – AZM Martinsberg, Oed	MPC 184792
2025 07 01.927181	18 06 00.30	-18 41 12.2	17.3 G	L65 – Bredenkamp Observatory, Bremen	MPC 184792
2025 07 01.92763	18 06 00.14	-18 41 12.9	17.2 G	G00 – AZM Martinsberg, Oed	MPC 184792
2025 07 01.92979	18 05 59.90	-18 41 11.3	17.4 G	G00 – AZM Martinsberg, Oed	MPC 184792
2025 07 01.93255	18 05 59.51	-18 41 12.5	17.5 G	G00 – AZM Martinsberg, Oed	MPC 184792
2025 07 01.93564	18 05 59.13	-18 41 12.4	18.2 G	G00 – AZM Martinsberg, Oed	MPC 184792
2025 07 01.936985	18 05 58.97	-18 41 12.4	17.3 G	L65 – Bredenkamp Observatory, Bremen	MPC 184792
2025 07 01.93872	18 05 58.75	-18 41 11.8	18.1 G	G00 – AZM Martinsberg, Oed	MPC 184792
2025 07 01.93872	18 05 58.81	-18 41 12.0	19.3 G	Z21 – Tenerife-LCO Aqawan A #1	MPC 184792
2025 07 01.94084	18 05 58.54	-18 41 11.8	19.3 G	Z21 – Tenerife-LCO Aqawan A #1	MPC 184792

2025 07 01.94295	18 05 58.29	-18 41 11.6	19.0 G	Z21 – Tenerife-LCO Aqawan A #1	MPC 184792
2025 07 01.960578	18 05 56.04	-18 41 11.1	18.2 G	K62 – Teplice Observatory	MPC 184792
2025 07 01.962071	18 05 55.85	-18 41 11.2	17.1 G	K62 – Teplice Observatory	MPC 184792
2025 07 01.966648	18 05 55.26	-18 41 11.0	18.3 G	K62 – Teplice Observatory	MPC 184792
2025 07 01.967954	18 05 55.07	-18 41 10.9	17.2 G	K62 – Teplice Observatory	MPC 184792
2025 07 01.980083	18 05 53.682	-18 41 08.65	18.3 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 184792
2025 07 01.994213	18 05 51.937	-18 41 08.07	18.6 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 184792
2025 07 01.996167	18 05 51.573	-18 41 10.52	17.9 V	G33 – Wickede	MPC 184792
2025 07 01.999676	18 05 51.107	-18 41 09.21	17.9 V	G33 – Wickede	MPC 184792
2025 07 02.003185	18 05 50.657	-18 41 09.09	17.8 V	G33 – Wickede	MPC 184792
2025 07 02.008044	18 05 50.214	-18 41 07.50		Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 184792
2025 07 02.014095	18 05 49.394	-18 41 08.92	18.38 w	R17 – ATLAS-TDO	MPC 184792
2025 07 02.022545	18 05 48.47	-18 41 06.5		X09 – Deep Random Survey, Rio Hurtado	MPC 184792
2025 07 02.027741	18 05 47.678	-18 41 08.34	18.13 w	R17 – ATLAS-TDO	MPC 184792
2025 07 02.029543	18 05 47.59	-18 41 05.5		X09 – Deep Random Survey, Rio Hurtado	MPC 184792
2025 07 02.041376	18 05 45.970	-18 41 07.73	18.36 w	R17 – ATLAS-TDO	MPC 184792
2025 07 02.055394	18 05 44.215	-18 41 06.83	18.26 w	R17 – ATLAS-TDO	MPC 184792
2025 07 02.06925	18 05 42.46	-18 41 06.3	18.7 V	Y64 – Transient Survey Telescope (TST), Teide	MPC 184792
2025 07 02.07105	18 05 42.25	-18 41 06.2	18.4 V	Y64 – Transient Survey Telescope (TST), Teide	MPC 184792
2025 07 02.07249	18 05 42.07	-18 41 06.2	18.5 V	Y64 – Transient Survey Telescope (TST), Teide	MPC 184792
2025 07 02.07470	18 05 41.79	-18 41 05.9	18.5 V	Y64 – Transient Survey Telescope (TST), Teide	MPC 184792
2025 07 02.07698	18 05 41.50	-18 41 05.9	18.5 V	Y64 – Transient Survey Telescope (TST), Teide	MPC 184792
2025 07 02.14808	18 05 32.542	-18 41 03.08	16.8 G	G40 – Slooh.com Canary Islands Observatory	MPC 184792
2025 07 02.15508	18 05 31.675	-18 41 02.11	17.2 G	G40 – Slooh.com Canary Islands Observatory	MPC 184792
2025 07 02.16200	18 05 30.806	-18 41 02.11	18.5 G	G40 – Slooh.com Canary Islands Observatory	MPC 184792
2025 07 02.164412	18 05 30.719	-18 41 02.61	17.1 G	V11 – Saguaro Observatory, Tucson	MPC 184792
2025 07 02.16894	18 05 29.930	-18 41 01.36	18.0 G	G40 – Slooh.com Canary Islands Observatory	MPC 184792
2025 07 02.172292	18 05 29.759	-18 41 01.78	16.9 G	V11 – Saguaro Observatory, Tucson	MPC 184792
2025 07 02.19200	18 05 27.18	-18 40 58.6		X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 184792
2025 07 02.19365	18 05 26.96	-18 40 58.4		X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 184792
2025 07 02.19527	18 05 26.75	-18 40 58.3		X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 184792
2025 07 02.19688	18 05 26.56	-18 40 58.4	18.2 G	X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 184792
2025 07 02.222864	18 05 23.38	-18 40 59.7	19.2 G	H21 – Astronomical Research Observatory, Westfield	MPC 184792
2025 07 02.225706	18 05 23.04	-18 40 59.7	19.3 G	H21 – Astronomical Research Observatory, Westfield	MPC 184792
2025 07 02.22854	18 05 22.58	-18 40 57.2	17.2 R	I47 – Pierre Auger Observatory, Malargue	MPC 184792
2025 07 02.228550	18 05 22.68	-18 40 59.5	19.2 G	H21 – Astronomical Research Observatory, Westfield	MPC 184792
2025 07 02.23362	18 05 21.901	-18 40 56.89	17.5 G	W93 – Korea Microlensing Telescope Network-CTIO	MPC 184792
2025 07 02.23509	18 05 21.727	-18 40 56.77	17.7 G	W93 – Korea Microlensing Telescope Network-CTIO	MPC 184792
2025 07 02.23666	18 05 21.534	-18 40 56.66	17.8 G	W93 – Korea Microlensing Telescope Network-CTIO	MPC 184792
2025 07 02.23823	18 05 21.335	-18 40 56.56	17.4 G	W93 – Korea Microlensing Telescope Network-CTIO	MPC 184792
2025 07 02.259470	18 05 18.710	-18 40 55.50	18.3 G	807 – Cerro Tololo Observatory, La Serena	MPC 184792

2025 07 02.264930	18 05 18.030	-18 40 55.40	18.2 G	807 – Cerro Tololo Observatory, La Serena	MPC 184792
2025 07 02.270400	18 05 17.340	-18 40 55.10	18.4 G	807 – Cerro Tololo Observatory, La Serena	MPC 184792
2025 07 02.27458	18 05 16.81	-18 40 54.8		X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 184792
2025 07 02.27674	18 05 16.54	-18 40 54.6		X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 184792
2025 07 02.27708	18 05 16.48	-18 40 54.8	17.4 R	I47 – Pierre Auger Observatory, Malargue	MPC 184792
2025 07 02.278604	18 05 16.272	-18 40 54.71		W57 – ESA TBT La Silla Observatory	MPC 184792
2025 07 02.27887	18 05 16.27	-18 40 54.4		X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 184792
2025 07 02.28101	18 05 15.98	-18 40 54.1	17.6 G	X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 184792
2025 07 02.281922	18 05 16.063	-18 40 56.45	17.4 G	T03 – Haleakala-LCO Clamshell #3	MPC 184792
2025 07 02.282533	18 05 15.994	-18 40 56.20	17.1 G	T03 – Haleakala-LCO Clamshell #3	MPC 184792
2025 07 02.283156	18 05 15.915	-18 40 56.12	17.2 G	T03 – Haleakala-LCO Clamshell #3	MPC 184792
2025 07 02.285048	18 05 15.692	-18 40 56.06	17.4 G	T03 – Haleakala-LCO Clamshell #3	MPC 184792
2025 07 02.290256	18 05 14.833	-18 40 53.78		W57 – ESA TBT La Silla Observatory	MPC 184792
2025 07 02.304711	18 05 13.007	-18 40 53.51	17.76 G	W85 – Cerro Tololo-LCO A	MPC 184792
2025 07 02.306164	18 05 12.841	-18 40 53.23	18.01 G	W85 – Cerro Tololo-LCO A	MPC 184792
2025 07 02.307648	18 05 12.650	-18 40 53.23	17.99 G	W85 – Cerro Tololo-LCO A	MPC 184792
2025 07 02.315637	18 05 11.644	-18 40 53.11	17.5 G	X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 184792
2025 07 02.316863	18 05 11.477	-18 40 52.61	17.4 G	X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 184792
2025 07 02.32520	18 05 10.45	-18 40 52.3	17.3 R	I47 – Pierre Auger Observatory, Malargue	MPC 184792
2025 07 02.32968	18 05 09.881	-18 40 52.07	17.3 G	I40 – La Silla--TRAPPIST	MPC 184792
2025 07 02.33193	18 05 09.595	-18 40 51.85	17.6 G	I40 – La Silla--TRAPPIST	MPC 184792
2025 07 02.33417	18 05 09.336	-18 40 51.92	17.5 G	I40 – La Silla--TRAPPIST	MPC 184792
2025 07 02.33640	18 05 09.041	-18 40 51.85	17.3 G	I40 – La Silla--TRAPPIST	MPC 184792
2025 07 02.33865	18 05 08.719	-18 40 51.64	17.6 G	I40 – La Silla--TRAPPIST	MPC 184792
2025 07 02.34089	18 05 08.472	-18 40 51.53	17.5 G	I40 – La Silla--TRAPPIST	MPC 184792
2025 07 02.34314	18 05 08.184	-18 40 51.46	17.5 G	I40 – La Silla--TRAPPIST	MPC 184792
2025 07 02.34537	18 05 07.906	-18 40 51.46	17.5 G	I40 – La Silla--TRAPPIST	MPC 184792
2025 07 02.34760	18 05 07.625	-18 40 51.38	17.6 G	I40 – La Silla--TRAPPIST	MPC 184792
2025 07 02.347951	18 05 07.656	-18 40 53.98	17.83 r	I41 – Palomar Mountain--ZTF	MPC 186021
2025 07 02.347951	18 05 07.617	-18 40 54.17	17.82 r	I41 – Palomar Mountain--ZTF	MPEC 005
2025 07 02.348143	18 05 07.677	-18 40 53.73	17.82 r	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 02.34984	18 05 07.344	-18 40 51.24	17.6 G	I40 – La Silla--TRAPPIST	MPC 184792
2025 07 02.35207	18 05 07.061	-18 40 51.20	17.1 G	I40 – La Silla--TRAPPIST	MPC 184793
2025 07 02.35432	18 05 06.782	-18 40 50.95	17.5 G	I40 – La Silla--TRAPPIST	MPC 184793
2025 07 02.35656	18 05 06.504	-18 40 50.84	17.4 G	I40 – La Silla--TRAPPIST	MPC 184793
2025 07 02.35880	18 05 06.223	-18 40 50.77	17.4 G	I40 – La Silla--TRAPPIST	MPC 184793
2025 07 02.36104	18 05 05.950	-18 40 50.81	17.5 G	I40 – La Silla--TRAPPIST	MPC 184793
2025 07 02.36328	18 05 05.652	-18 40 50.41	17.6 G	I40 – La Silla--TRAPPIST	MPC 184793
2025 07 02.36998	18 05 04.802	-18 40 49.94	17.4 G	I40 – La Silla--TRAPPIST	MPC 184793
2025 07 02.371713	18 05 04.607	-18 40 53.58	18.54 g	I41 – Palomar Mountain--ZTF	MPC 186021
2025 07 02.371713	18 05 04.623	-18 40 53.28	18.56 g	I41 – Palomar Mountain--ZTF	MPEC 005

2025 07 02.371899	18 05 04.663	-18 40 53.07	18.56 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 02.37221	18 05 04.536	-18 40 50.27	17.3 G	I40 – La Silla--TRAPPIST	MPC 184793
2025 07 02.37444	18 05 04.236	-18 40 50.81	17.4 G	I40 – La Silla--TRAPPIST	MPC 184793
2025 07 02.37667	18 05 03.94	-18 40 50.5	17.1 R	X19 – Santel Observatory, El Leoncito	MPC 187161
2025 07 02.37668	18 05 03.972	-18 40 49.80	17.6 G	I40 – La Silla--TRAPPIST	MPC 184793
2025 07 02.37891	18 05 03.629	-18 40 49.55	17.2 G	I40 – La Silla--TRAPPIST	MPC 184793
2025 07 02.38038	18 05 03.48	-18 40 49.5	17.4 R	X19 – Santel Observatory, El Leoncito	MPC 187161
2025 07 02.38118	18 05 03.449	-18 40 49.33	16.6 G	I40 – La Silla--TRAPPIST	MPC 184793
2025 07 02.38127	18 05 03.28	-18 40 48.9	17.6 R	X19 – Santel Observatory, El Leoncito	MPC 187161
2025 07 02.38215	18 05 03.24	-18 40 47.8	17.6 R	X19 – Santel Observatory, El Leoncito	MPC 187161
2025 07 02.38304	18 05 03.19	-18 40 47.5	17.3 R	X19 – Santel Observatory, El Leoncito	MPC 187161
2025 07 02.38341	18 05 03.146	-18 40 49.62	17.1 G	I40 – La Silla--TRAPPIST	MPC 184793
2025 07 02.38565	18 05 02.844	-18 40 49.48	17.1 G	I40 – La Silla--TRAPPIST	MPC 184793
2025 07 02.38788	18 05 02.556	-18 40 49.37	17.5 G	I40 – La Silla--TRAPPIST	MPC 184793
2025 07 02.39013	18 05 02.249	-18 40 49.44	17.5 G	I40 – La Silla--TRAPPIST	MPC 184793
2025 07 02.39236	18 05 02.035	-18 40 49.30	17.6 G	I40 – La Silla--TRAPPIST	MPC 184793
2025 07 02.39459	18 05 01.735	-18 40 49.01	16.6 G	I40 – La Silla--TRAPPIST	MPC 184793
2025 07 02.414590	18 04 59.375	-18 40 50.54	17.61 G	T14 – Canada-France-Hawaii Telescope, Maunakea	MPC 184793
2025 07 02.415792	18 04 59.226	-18 40 50.49	17.63 G	T14 – Canada-France-Hawaii Telescope, Maunakea	MPC 184793
2025 07 02.416994	18 04 59.075	-18 40 50.44	17.52 G	T14 – Canada-France-Hawaii Telescope, Maunakea	MPC 184793
2025 07 02.42731	18 04 57.90	-18 40 47.5	16.8 G	Q22 – SNX-NET, Moorook	MPC 184793
2025 07 02.43448	18 04 56.99	-18 40 47.2	16.8 G	Q22 – SNX-NET, Moorook	MPC 184793
2025 07 02.44122	18 04 56.13	-18 40 47.1	16.7 G	Q22 – SNX-NET, Moorook	MPC 184793
2025 07 02.502562	18 04 48.262	-18 40 46.46	17.1 G	F65 – Haleakala-Faulkes Telescope North	MPC 184793
2025 07 02.503265	18 04 48.168	-18 40 46.38	17.1 G	F65 – Haleakala-Faulkes Telescope North	MPC 184793
2025 07 02.506250	18 04 47.795	-18 40 46.29	17.1 G	F65 – Haleakala-Faulkes Telescope North	MPC 184793
2025 07 02.546746	18 04 42.681	-18 40 44.31	17.1 G	F65 – Haleakala-Faulkes Telescope North	MPC 184793
2025 07 02.548185	18 04 42.500	-18 40 44.23	17.1 G	F65 – Haleakala-Faulkes Telescope North	MPC 184793
2025 07 02.68060	18 04 26.030	-18 40 38.35	17.7 G	N42 – Tien-Shan Astronomical Observatory	MPC 184793
2025 07 02.68510	18 04 25.457	-18 40 38.39	17.4 G	N42 – Tien-Shan Astronomical Observatory	MPC 184793
2025 07 02.68904	18 04 24.965	-18 40 38.14	17.3 G	N42 – Tien-Shan Astronomical Observatory	MPC 184793
2025 07 02.810721	18 04 09.716	-18 40 30.66		M21 – Schiaparelli Southern Observatory, Hakos	MPC 184793
2025 07 02.822037	18 04 08.282	-18 40 30.28	17.6 G	M21 – Schiaparelli Southern Observatory, Hakos	MPC 184793
2025 07 02.833348	18 04 06.846	-18 40 29.65		M21 – Schiaparelli Southern Observatory, Hakos	MPC 184793
2025 07 02.84759	18 04 04.96	-18 40 30.8	18.7 G	088 – Kottomia	MPC 184793
2025 07 02.84832	18 04 04.91	-18 40 30.4	18.5 G	088 – Kottomia	MPC 184793
2025 07 02.84904	18 04 04.80	-18 40 29.8	18.4 G	088 – Kottomia	MPC 184793
2025 07 02.84978	18 04 04.72	-18 40 30.3	18.5 G	088 – Kottomia	MPC 184793
2025 07 02.85051	18 04 04.62	-18 40 30.3	18.5 G	088 – Kottomia	MPC 184793
2025 07 02.85123	18 04 04.52	-18 40 30.3	18.3 G	088 – Kottomia	MPC 184793
2025 07 02.85196	18 04 04.44	-18 40 30.1	18.5 G	088 – Kottomia	MPC 184793

2025 07 02.85208	18 04 04.41	-18 40 30.5	17.8 V	L04 – ROASTERR-1 Observatory, Cluj-Napoca	MPC 184793
2025 07 02.85269	18 04 04.32	-18 40 30.1	18.3 G	088 – Kottomia	MPC 184793
2025 07 02.85343	18 04 04.24	-18 40 30.3	18.1 G	088 – Kottomia	MPC 184793
2025 07 02.85415	18 04 04.08	-18 40 29.8	17.9 G	088 – Kottomia	MPC 184793
2025 07 02.855856	18 04 03.99	-18 40 30.6	17.2 G	595 – Farra d'Isonzo	MPC 184793
2025 07 02.85712	18 04 03.78	-18 40 30.0	17.7 V	L04 – ROASTERR-1 Observatory, Cluj-Napoca	MPC 184793
2025 07 02.85812	18 04 03.64	-18 40 29.9	17.5 V	L04 – ROASTERR-1 Observatory, Cluj-Napoca	MPC 184793
2025 07 02.860222	18 04 03.41	-18 40 29.9	17.4 G	595 – Farra d'Isonzo	MPC 184793
2025 07 02.86274	18 04 03.01	-18 40 30.1	17.7 G	C40 – Kuban State University Astrophysical Observato	MPC 184793
2025 07 02.86627	18 04 02.61	-18 40 29.5	16.9 G	C40 – Kuban State University Astrophysical Observato	MPC 184793
2025 07 02.868962	18 04 02.30	-18 40 29.3	17.8 G	595 – Farra d'Isonzo	MPC 184793
2025 07 02.870311	18 04 02.12	-18 40 29.9	16.6 R	M50 – Virtual Telescope Project, Manciano	MPC 184793
2025 07 02.87094	18 04 02.07	-18 40 28.6	19.5 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 184793
2025 07 02.87161	18 04 01.96	-18 40 29.4	17.5 V	L04 – ROASTERR-1 Observatory, Cluj-Napoca	MPC 184793
2025 07 02.87292	18 04 01.78	-18 40 28.6	17.1 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 184793
2025 07 02.87312	18 04 01.74	-18 40 29.2	17.7 G	C40 – Kuban State University Astrophysical Observato	MPC 184793
2025 07 02.87353	18 04 01.697	-18 40 29.42	18.8 V	M38 – Harsona Observatory, Nyiregyhaza	MPC 184793
2025 07 02.87367	18 04 01.788	-18 40 29.50	17.6 r	232 – Masquefa Observatory	MPC 184793
2025 07 02.87424	18 04 01.61	-18 40 28.8	17.9 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 186021
2025 07 02.87458	18 04 01.60	-18 40 28.5	18.1 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 184793
2025 07 02.874875	18 04 01.584	-18 40 29.10	17.6 G	L34 – Galhassin Robotic Telescope, Isnello	MPC 184793
2025 07 02.87523	18 04 01.50	-18 40 29.3	17.8 V	L04 – ROASTERR-1 Observatory, Cluj-Napoca	MPC 184793
2025 07 02.875368	18 04 01.52	-18 40 29.0	16.2 R	M50 – Virtual Telescope Project, Manciano	MPC 184793
2025 07 02.87604	18 04 01.37	-18 40 28.6	17.3 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 184793
2025 07 02.87691	18 04 01.29	-18 40 29.1	17.8 G	587 – Sormano	MPC 184793
2025 07 02.87994	18 04 00.91	-18 40 29.2	17.9 G	587 – Sormano	MPC 184793
2025 07 02.88352	18 04 00.42	-18 40 27.7	17.8 G	C40 – Kuban State University Astrophysical Observato	MPC 184793
2025 07 02.88371	18 04 00.40	-18 40 28.0	16.8 G	C40 – Kuban State University Astrophysical Observato	MPC 184793
2025 07 02.88516	18 04 00.25	-18 40 28.0	18.2 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 184793
2025 07 02.88587	18 04 00.15	-18 40 28.7	17.0 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 184793
2025 07 02.88872	18 03 59.782	-18 40 28.96	17.7 r	232 – Masquefa Observatory	MPC 184793
2025 07 02.89009	18 03 59.585	-18 40 28.92	18.5 V	M38 – Harsona Observatory, Nyiregyhaza	MPC 184793
2025 07 02.89089	18 03 59.51	-18 40 27.8	16.9 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 184793
2025 07 02.89198	18 03 59.43	-18 40 28.1	17.3 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 184793
2025 07 02.89546	18 03 58.93	-18 40 28.0	17.3 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 184793
2025 07 02.89553	18 03 58.94	-18 40 28.2	19.4 V	K78 – iota Scorpii Observatory, La Spezia	MPC 184793
2025 07 02.895644	18 03 58.88	-18 40 28.5	17.3 G	K88 – GINOP-KHK, Piszkesteto	MPC 184793
2025 07 02.89576	18 03 58.920	-18 40 27.91	18.8 V	185 – Observatoire Astronomique Jurassien-Vicques	MPC 184793
2025 07 02.895804	18 03 58.91	-18 40 26.6	17.3 G	L02 – NOAK Observatory, Stavraki	MPC 184793
2025 07 02.896407	18 03 58.771	-18 40 28.20	18.2 G	204 – Schiaparelli Observatory	MPC 184793
2025 07 02.89663	18 03 58.762	-18 40 28.13	17.5 G	247 – Roving Observer	MPEC V132

2025 07 02.89729	18 03 58.75	-18 40 28.6	18.1 V	L85 – BiAnto Observatory, Lauria	MPC 184793
2025 07 02.89882	18 03 58.54	-18 40 27.9	16.9 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 184793
2025 07 02.89921	18 03 58.483	-18 40 28.13	19.1 r	213 – Observatorio Montcabre	MPC 184793
2025 07 02.89942	18 03 58.45	-18 40 28.3	19.2 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 184793
2025 07 02.900752	18 03 58.18	-18 40 28.0	16.5 G	L02 – NOAK Observatory, Stavraki	MPC 184793
2025 07 02.90097	18 03 58.22	-18 40 27.7	16.8 G	C40 – Kuban State University Astrophysical Observato	MPC 184793
2025 07 02.90324	18 03 57.948	-18 40 27.19	18.2 V	185 – Observatoire Astronomique Jurassien-Vicques	MPC 184793
2025 07 02.903774	18 03 57.854	-18 40 28.09	18.4 G	L34 – Galhassin Robotic Telescope, Isnello	MPC 184793
2025 07 02.90467	18 03 57.78	-18 40 27.9	19.3 V	K78 – iota Scorpii Observatory, La Spezia	MPC 184793
2025 07 02.905625	18 03 57.72	-18 40 28.0	16.8 G	L02 – NOAK Observatory, Stavraki	MPC 184793
2025 07 02.90931	18 03 57.18	-18 40 28.3	17.6 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 184793
2025 07 02.91047	18 03 57.034	-18 40 27.88	18.7 V	185 – Observatoire Astronomique Jurassien-Vicques	MPC 184793
2025 07 02.910713	18 03 56.99	-18 40 27.7	17.3 G	K88 – GINOP-KHK, Piszkesteto	MPC 184793
2025 07 02.91087	18 03 56.976	-18 40 27.16	17.5 G	247 – Roving Observer	MPEC V132
2025 07 02.911025	18 03 56.957	-18 40 27.91		204 – Schiaparelli Observatory	MPC 184793
2025 07 02.912070	18 03 56.81	-18 40 27.4	17.4 G	K88 – GINOP-KHK, Piszkesteto	MPC 184793
2025 07 02.91237	18 03 56.69	-18 40 27.5	17.7 G	G00 – AZM Martinsberg, Oed	MPC 184793
2025 07 02.91347	18 03 56.61	-18 40 27.0	19.7 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 184793
2025 07 02.91367	18 03 56.63	-18 40 27.3	19.7 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 184793
2025 07 02.91382	18 03 56.60	-18 40 27.4	19.6 V	K78 – iota Scorpii Observatory, La Spezia	MPC 184793
2025 07 02.91770	18 03 56.11	-18 40 27.5	17.4 G	K77 – EHB01 Observatory, Engelhardsberg	MPC 184793
2025 07 02.91843	18 03 56.04	-18 40 26.3	19.3 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 184793
2025 07 02.91866	18 03 55.958	-18 40 26.76	17.9 G	247 – Roving Observer	MPEC V132
2025 07 02.918897	18 03 55.963	-18 40 27.19	18.4 G	M57 – Wide-field Mufara Telescope, Isnello	MPC 184793
2025 07 02.92065	18 03 55.675	-18 40 24.73	17.8 G	L32 – Korea Microlensing Telescope Network-SAAO	MPC 184794
2025 07 02.92081	18 03 55.70	-18 40 27.5	17.9 V	R45 – Tycho Brahe, Trevinca	MPC 184794
2025 07 02.92213	18 03 55.502	-18 40 24.41	17.9 G	L32 – Korea Microlensing Telescope Network-SAAO	MPC 184794
2025 07 02.92296	18 03 55.43	-18 40 26.9	17.7 G	G00 – AZM Martinsberg, Oed	MPC 184794
2025 07 02.92363	18 03 55.333	-18 40 23.86	18.0 G	L32 – Korea Microlensing Telescope Network-SAAO	MPC 184794
2025 07 02.92425	18 03 55.30	-18 40 27.2	17.2 G	K77 – EHB01 Observatory, Engelhardsberg	MPC 184794
2025 07 02.92459	18 03 55.23	-18 40 27.7	18.1 V	L85 – BiAnto Observatory, Lauria	MPC 184794
2025 07 02.92513	18 03 55.163	-18 40 23.74	18.2 G	L32 – Korea Microlensing Telescope Network-SAAO	MPC 184794
2025 07 02.92661	18 03 54.918	-18 40 24.10	18.3 G	L32 – Korea Microlensing Telescope Network-SAAO	MPC 184794
2025 07 02.92681	18 03 54.917	-18 40 26.65	17.7 G	247 – Roving Observer	MPEC V132
2025 07 02.92720	18 03 55.008	-18 40 27.59	17.0 r	Z09 – Old Orchard Observatory, Fiddington	MPC 184794
2025 07 02.92811	18 03 54.753	-18 40 23.97	18.0 G	L32 – Korea Microlensing Telescope Network-SAAO	MPC 184794
2025 07 02.928728	18 03 54.732	-18 40 26.87	18.2 G	598 – Loiano	MPC 184794
2025 07 02.92959	18 03 54.562	-18 40 23.52	18.3 G	L32 – Korea Microlensing Telescope Network-SAAO	MPC 184794
2025 07 02.930486	18 03 54.478	-18 40 26.94	17.8 G	L34 – Galhassin Robotic Telescope, Isnello	MPC 184794
2025 07 02.93079	18 03 54.46	-18 40 28.5	17.4 G	K77 – EHB01 Observatory, Engelhardsberg	MPC 184794
2025 07 02.93223	18 03 54.336	-18 40 27.37	17.1 r	Z09 – Old Orchard Observatory, Fiddington	MPC 184794

2025 07 02.93321	18 03 54.13	-18 40 26.5	17.4 G	G00 – AZM Martinsberg, Oed	MPC 184794
2025 07 02.933262	18 03 54.154	-18 40 26.90	18.4 G	598 – Loiano	MPC 184794
2025 07 02.933414	18 03 54.130	-18 40 26.40	18.1 G	M57 – Wide-field Mufara Telescope, Isnello	MPC 184794
2025 07 02.93461	18 03 53.904	-18 40 26.51	17.4 G	247 – Roving Observer	MPEC V132
2025 07 02.935528	18 03 53.844	-18 40 26.26	18.1 G	598 – Loiano	MPC 184794
2025 07 02.93647	18 03 53.693	-18 40 26.11	17.2 r	Z09 – Old Orchard Observatory, Fiddington	MPC 184794
2025 07 02.938146	18 03 53.595	-18 40 24.05	16.9 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 184794
2025 07 02.93836	18 03 53.496	-18 40 26.40	18.5 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 184794
2025 07 02.938957	18 03 53.453	-18 40 25.57	18.3 G	598 – Loiano	MPC 184794
2025 07 02.94071	18 03 53.174	-18 40 27.01	17.0 r	Z09 – Old Orchard Observatory, Fiddington	MPC 184794
2025 07 02.942740	18 03 52.956	-18 40 26.00	18.8 G	598 – Loiano	MPC 184794
2025 07 02.943039	18 03 52.992	-18 40 23.62	17.8 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 184794
2025 07 02.945318	18 03 52.615	-18 40 25.90	18.6 G	M57 – Wide-field Mufara Telescope, Isnello	MPC 184794
2025 07 02.945765	18 03 52.565	-18 40 25.93	18.4 G	598 – Loiano	MPC 184794
2025 07 02.94617	18 03 52.526	-18 40 25.72	18.3 r	213 – Observatorio Montcabre	MPC 184794
2025 07 02.948263	18 03 52.374	-18 40 23.37	16.6 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 184794
2025 07 02.94887	18 03 52.171	-18 40 26.18	18.4 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 184794
2025 07 02.952866	18 03 51.643	-18 40 25.72	18.5 G	M57 – Wide-field Mufara Telescope, Isnello	MPC 184794
2025 07 02.95362	18 03 51.650	-18 40 22.33	18.8 V	X93 – Munhoz Observatory	MPC 184794
2025 07 02.95464	18 03 51.51	-18 40 25.5	17.68 V	I79 – AstroCamp, Nerpio	MPC 184794
2025 07 02.956828	18 03 51.139	-18 40 25.46	18.0 G	L34 – Galhassin Robotic Telescope, Isnello	MPC 184794
2025 07 02.95958	18 03 50.940	-18 40 22.76	18.3 V	X93 – Munhoz Observatory	MPC 184794
2025 07 02.959742	18 03 50.743	-18 40 22.58	18.26 c	M22 – ATLAS South Africa, Sutherland	MPC 184794
2025 07 02.96015	18 03 50.78	-18 40 25.1	17.65 V	I79 – AstroCamp, Nerpio	MPC 184794
2025 07 02.961022	18 03 50.611	-18 40 24.85	18.0 G	M57 – Wide-field Mufara Telescope, Isnello	MPC 184794
2025 07 02.96343	18 03 50.29	-18 40 26.1	17.5 V	R45 – Tycho Brahe, Trevinca	MPC 184794
2025 07 02.96527	18 03 50.242	-18 40 23.52	17.7 V	X93 – Munhoz Observatory	MPC 184794
2025 07 02.96570	18 03 50.05	-18 40 24.8	17.20 V	I79 – AstroCamp, Nerpio	MPC 184794
2025 07 02.973006	18 03 49.15	-18 40 24.8	18.3 G	K62 – Teplice Observatory	MPC 184794
2025 07 02.97560	18 03 48.804	-18 40 24.42	16.8 G	Z28 – Northern Skygems Observatory, Nerpio	MPC 184794
2025 07 02.975746	18 03 48.780	-18 40 24.89	17.7 G	J95 – Great Shefford	MPC 184794
2025 07 02.975852	18 03 48.713	-18 40 22.19	18.25 c	M22 – ATLAS South Africa, Sutherland	MPC 184794
2025 07 02.976785	18 03 48.61	-18 40 24.9	18.3 G	K62 – Teplice Observatory	MPC 184794
2025 07 02.97778	18 03 48.533	-18 40 24.42	16.8 G	Z28 – Northern Skygems Observatory, Nerpio	MPC 184794
2025 07 02.981813	18 03 47.974	-18 40 24.10	17.9 G	L34 – Galhassin Robotic Telescope, Isnello	MPC 184794
2025 07 02.98363	18 03 47.76	-18 40 24.1	17.5 r	L90 – ABObservatory, Rosarno	MPC 184794
2025 07 02.988079	18 03 47.19	-18 40 24.0	18.5 G	K62 – Teplice Observatory	MPC 184794
2025 07 02.988172	18 03 47.215	-18 40 23.81	18.3 G	J95 – Great Shefford	MPC 184794
2025 07 02.98921	18 03 47.102	-18 40 23.84	18.0 G	G40 – Slooh.com Canary Islands Observatory	MPC 184794
2025 07 02.991383	18 03 46.910	-18 40 21.87	18.1 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 184794
2025 07 02.99337	18 03 46.56	-18 40 23.8	18.1 r	L90 – ABObservatory, Rosarno	MPC 184794

2025 07 02.99387	18 03 46.471	-18 40 23.59	18.8 r	213 – Observatorio Montcabre	MPC 184794
2025 07 02.99778	18 03 45.984	-18 40 23.56	18.4 G	G40 – Slooh.com Canary Islands Observatory	MPC 184794
2025 07 03.000745	18 03 45.720	-18 40 21.48	17.6 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 184794
2025 07 03.00230	18 03 45.44	-18 40 22.7	17.1 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 184794
2025 07 03.00311	18 03 45.25	-18 40 23.7	17.2 r	L90 – ABObservatory, Rosarno	MPC 184794
2025 07 03.006964	18 03 44.729	-18 40 20.60	18.30 c	M22 – ATLAS South Africa, Sutherland	MPC 184794
2025 07 03.009796	18 03 44.556	-18 40 20.92	17.6 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 184794
2025 07 03.01272	18 03 44.047	-18 40 24.67	16.8 R	C23 – Olmen	MPC 184794
2025 07 03.01341	18 03 43.97	-18 40 22.1	17.2 V	R45 – Tycho Brahe, Trevinca	MPC 184794
2025 07 03.01387	18 03 43.94	-18 40 22.4	18.6 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 184794
2025 07 03.01404	18 03 43.910	-18 40 22.55	17.0 G	B74 – Santa Maria de Montmagastrell	MPC 184794
2025 07 03.017881	18 03 43.363	-18 40 22.15	17.8 G	L34 – Galhassin Robotic Telescope, Isnello	MPC 184794
2025 07 03.02021	18 03 43.102	-18 40 21.04	16.8 R	C23 – Olmen	MPC 184794
2025 07 03.02145	18 03 42.960	-18 40 22.04	17.2 G	B74 – Santa Maria de Montmagastrell	MPC 184794
2025 07 03.021843	18 03 43.08	-18 40 19.6	17.6 G	W87 – Cerro Tololo-LCO C	MPC 184794
2025 07 03.022986	18 03 42.93	-18 40 19.5	17.7 G	W87 – Cerro Tololo-LCO C	MPC 184794
2025 07 03.02370	18 03 42.732	-18 40 22.15	18.3 V	J22 – Tacande Observatory, La Palma	MPC 186021
2025 07 03.024145	18 03 42.78	-18 40 19.6	17.7 G	W87 – Cerro Tololo-LCO C	MPC 184794
2025 07 03.025286	18 03 42.63	-18 40 19.5	17.7 G	W87 – Cerro Tololo-LCO C	MPC 184794
2025 07 03.02544	18 03 42.48	-18 40 21.8		Y71 – Makroskooppi, Fregenal de la Sierra	MPC 184794
2025 07 03.02701	18 03 42.41	-18 40 19.4	17.2 G	X03 – Observatoire SADR, Poroto	MPC 184794
2025 07 03.02774	18 03 42.175	-18 40 21.94	17.4 R	C23 – Olmen	MPC 184794
2025 07 03.02884	18 03 41.990	-18 40 22.04	17.0 G	B74 – Santa Maria de Montmagastrell	MPC 184794
2025 07 03.03528	18 03 41.35	-18 40 19.1	17.0 G	X03 – Observatoire SADR, Poroto	MPC 184794
2025 07 03.03628	18 03 41.09	-18 40 21.1	17.7 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 184794
2025 07 03.04315	18 03 40.36	-18 40 18.8	16.7 G	X03 – Observatoire SADR, Poroto	MPC 184794
2025 07 03.04515	18 03 39.974	-18 40 20.96	18.0 V	J22 – Tacande Observatory, La Palma	MPC 186021
2025 07 03.04638	18 03 39.94	-18 40 18.4	17.6 V	X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 184794
2025 07 03.04640	18 03 39.80	-18 40 20.9	18.2 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 184794
2025 07 03.05064	18 03 39.40	-18 40 18.4	17.2 G	X03 – Observatoire SADR, Poroto	MPC 184794
2025 07 03.05615	18 03 38.70	-18 40 17.9		X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 184794
2025 07 03.05652	18 03 38.52	-18 40 20.3	18.2 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 184794
2025 07 03.05814	18 03 38.44	-18 40 18.3	17.2 G	X03 – Observatoire SADR, Poroto	MPC 184794
2025 07 03.06666	18 03 37.229	-18 40 19.78	18.1 V	J22 – Tacande Observatory, La Palma	MPC 186021
2025 07 03.07499	18 03 36.26	-18 40 17.5	18.2 r	X74 – Observatorio Campo dos Amarais	MPC 184794
2025 07 03.08153	18 03 35.42	-18 40 17.4	18.1 r	X74 – Observatorio Campo dos Amarais	MPC 184794
2025 07 03.08784	18 03 34.62	-18 40 17.1	18.2 r	X74 – Observatorio Campo dos Amarais	MPC 184794
2025 07 03.09427	18 03 33.86	-18 40 18.5	17.4 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 184794
2025 07 03.111568	18 03 31.661	-18 40 15.56	18.0 V	W88 – Slooh.com Chile Observatory, La Dehesa	MPC 184794
2025 07 03.11319	18 03 31.44	-18 40 17.7	17.3 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 184794
2025 07 03.13176	18 03 29.08	-18 40 16.7	17.4 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 184794

2025 07 03.14038	18 03 27.989	-18 40 13.87	17.2 G	X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 184794
2025 07 03.14662	18 03 27.182	-18 40 13.69	17.3 G	X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 184794
2025 07 03.150137	18 03 26.743	-18 40 13.33	18.7 V	W88 – Slooh.com Chile Observatory, La Dehesa	MPC 184794
2025 07 03.15480	18 03 26.150	-18 40 12.97	17.2 G	X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 184794
2025 07 03.17494	18 03 23.531	-18 40 12.36	18.1 G	W93 – Korea Microlensing Telescope Network-CTIO	MPC 184794
2025 07 03.17630	18 03 23.359	-18 40 12.27	18.1 G	W93 – Korea Microlensing Telescope Network-CTIO	MPC 184794
2025 07 03.17764	18 03 23.186	-18 40 12.22	18.1 G	W93 – Korea Microlensing Telescope Network-CTIO	MPC 184794
2025 07 03.17898	18 03 23.012	-18 40 12.14	18.1 G	W93 – Korea Microlensing Telescope Network-CTIO	MPC 184794
2025 07 03.17914	18 03 23.01	-18 40 12.4	18.9 G	W89 – Cerro Tololo-LCO Aqawan A #1	MPC 184794
2025 07 03.18032	18 03 22.844	-18 40 12.12	18.1 G	W93 – Korea Microlensing Telescope Network-CTIO	MPC 184794
2025 07 03.18126	18 03 22.74	-18 40 12.1	19.1 G	W89 – Cerro Tololo-LCO Aqawan A #1	MPC 184794
2025 07 03.18167	18 03 22.672	-18 40 12.08	18.1 G	W93 – Korea Microlensing Telescope Network-CTIO	MPC 184794
2025 07 03.18303	18 03 22.499	-18 40 11.97	18.1 G	W93 – Korea Microlensing Telescope Network-CTIO	MPC 184795
2025 07 03.18337	18 03 22.46	-18 40 12.0	19.0 G	W89 – Cerro Tololo-LCO Aqawan A #1	MPC 184795
2025 07 03.18448	18 03 22.314	-18 40 11.91	18.0 G	W93 – Korea Microlensing Telescope Network-CTIO	MPC 184795
2025 07 03.18586	18 03 22.139	-18 40 11.84	18.0 G	W93 – Korea Microlensing Telescope Network-CTIO	MPC 184795
2025 07 03.18720	18 03 21.966	-18 40 11.82	18.0 G	W93 – Korea Microlensing Telescope Network-CTIO	MPC 184795
2025 07 03.18870	18 03 21.776	-18 40 11.70	17.9 G	W93 – Korea Microlensing Telescope Network-CTIO	MPC 184795
2025 07 03.19006	18 03 21.607	-18 40 11.69	18.0 G	W93 – Korea Microlensing Telescope Network-CTIO	MPC 184795
2025 07 03.20233	18 03 20.12	-18 40 13.5	18.1 V	W24 – Shamrock Banks Observatory, Clare	MPC 184795
2025 07 03.213091	18 03 18.690	-18 40 13.20		C53 – NEOSSat	MPC 184795
2025 07 03.21318	18 03 18.69	-18 40 10.4	17.9 r	W84 – Cerro Tololo-DECam	MPC 184795
2025 07 03.21360	18 03 18.63	-18 40 10.4	18.3 g	W84 – Cerro Tololo-DECam	MPC 184795
2025 07 03.21402	18 03 18.58	-18 40 10.4	18.2 z	W84 – Cerro Tololo-DECam	MPC 184795
2025 07 03.21445	18 03 18.53	-18 40 10.3	17.5 i	W84 – Cerro Tololo-DECam	MPC 184795
2025 07 03.21532	18 03 18.42	-18 40 10.3	18.3 g	W84 – Cerro Tololo-DECam	MPC 184795
2025 07 03.21572	18 03 18.36	-18 40 10.3	18.5 z	W84 – Cerro Tololo-DECam	MPC 184795
2025 07 03.215870	18 03 18.430	-18 40 13.00		C53 – NEOSSat	MPC 184795
2025 07 03.21616	18 03 18.31	-18 40 10.3	17.5 i	W84 – Cerro Tololo-DECam	MPC 184795
2025 07 03.21660	18 03 18.25	-18 40 10.2	17.9 r	W84 – Cerro Tololo-DECam	MPC 184795
2025 07 03.218649	18 03 18.090	-18 40 12.80		C53 – NEOSSat	MPC 184795
2025 07 03.22094	18 03 17.74	-18 40 12.3	18.2 V	W24 – Shamrock Banks Observatory, Clare	MPC 184795
2025 07 03.22233	18 03 17.47	-18 40 10.3	18.2	X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 184795
2025 07 03.222817	18 03 17.600	-18 40 12.50		C53 – NEOSSat	MPC 184795
2025 07 03.22737	18 03 16.87	-18 40 09.5	18.1	X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 184795
2025 07 03.23109	18 03 16.514	-18 40 11.82	16.7 G	U52 – Shasta Valley Observatory, Grenada	MPC 184795
2025 07 03.23352	18 03 16.08	-18 40 09.7	18.0	X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 184795
2025 07 03.23495	18 03 16.034	-18 40 12.14	16.8 G	U52 – Shasta Valley Observatory, Grenada	MPC 184795
2025 07 03.23872	18 03 15.48	-18 40 11.3	17.9 V	W24 – Shamrock Banks Observatory, Clare	MPC 184795
2025 07 03.23881	18 03 15.514	-18 40 11.14	16.4 G	U52 – Shasta Valley Observatory, Grenada	MPC 184795
2025 07 03.24968	18 03 14.02	-18 40 08.6	17.3 G	X02 – Telescope Live, El Sauce	MPC 184795

2025 07 03.27686	18 03 10.620	-18 40 09.62	19.6 V	H36 – Sandlot Observatory, Scranton	MPC 184795
2025 07 03.27753	18 03 10.47	-18 40 07.1	17.0 G	X02 – Telescope Live, El Sauce	MPC 184795
2025 07 03.28111	18 03 10.051	-18 40 09.19	19.3 V	H36 – Sandlot Observatory, Scranton	MPC 184795
2025 07 03.29220	18 03 08.60	-18 40 06.4	17.0 G	X02 – Telescope Live, El Sauce	MPC 184795
2025 07 03.30064	18 03 07.52	-18 40 05.9	18.3 g	W84 – Cerro Tololo-DECam	MPC 184795
2025 07 03.30106	18 03 07.46	-18 40 05.8	18.5 z	W84 – Cerro Tololo-DECam	MPC 184795
2025 07 03.30151	18 03 07.41	-18 40 05.8	17.5 i	W84 – Cerro Tololo-DECam	MPC 184795
2025 07 03.30194	18 03 07.35	-18 40 05.7	17.9 r	W84 – Cerro Tololo-DECam	MPC 184795
2025 07 03.30239	18 03 07.29	-18 40 05.7	18.2 g	W84 – Cerro Tololo-DECam	MPC 184795
2025 07 03.30280	18 03 07.24	-18 40 05.7	18.5 z	W84 – Cerro Tololo-DECam	MPC 184795
2025 07 03.30324	18 03 07.18	-18 40 05.7	17.5 i	W84 – Cerro Tololo-DECam	MPC 184795
2025 07 03.34608	18 03 01.72	-18 40 03.2	16.3 G	X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 184795
2025 07 03.35483	18 03 00.59	-18 40 03.0	17.1 G	X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 184795
2025 07 03.401925	18 02 54.762	-18 40 03.11	17.0 G	F65 – Haleakala-Faulkes Telescope North	MPC 184795
2025 07 03.402396	18 02 54.701	-18 40 03.11	16.9 G	F65 – Haleakala-Faulkes Telescope North	MPC 184795
2025 07 03.462111	18 02 47.031	-18 39 59.97	17.0 G	F65 – Haleakala-Faulkes Telescope North	MPC 184795
2025 07 03.462584	18 02 46.976	-18 39 59.98	17.0 G	F65 – Haleakala-Faulkes Telescope North	MPC 184795
2025 07 03.463076	18 02 46.915	-18 39 59.98	17.1 G	F65 – Haleakala-Faulkes Telescope North	MPC 184795
2025 07 03.463558	18 02 46.851	-18 39 59.89	17.0 G	F65 – Haleakala-Faulkes Telescope North	MPC 184795
2025 07 03.53375	18 02 38.014	-18 39 55.08	16.6 G	E62 – Slooh.com Australia, Coonabarabran	MPC 184795
2025 07 03.55764	18 02 34.93	-18 39 56.4	17.2 V	P87 – Hirao Observatory, Yamaguchi	MPC 184795
2025 07 03.55991	18 02 34.627	-18 39 52.74	17.6 G	E62 – Slooh.com Australia, Coonabarabran	MPC 184795
2025 07 03.56876	18 02 33.53	-18 39 55.0		P87 – Hirao Observatory, Yamaguchi	MPC 184795
2025 07 03.58099	18 02 31.94	-18 39 53.4		P87 – Hirao Observatory, Yamaguchi	MPC 184795
2025 07 03.68709	18 02 18.365	-18 39 48.85	18.2 G	P13 – Baihuashan Observatory, Beijing	MPC 184795
2025 07 03.71179	18 02 15.192	-18 39 46.73	17.8 G	P13 – Baihuashan Observatory, Beijing	MPC 184795
2025 07 03.78482	18 02 05.95	-18 39 42.9	17.8 G	M44 – Al-Khatim Observatory, Abu Dhabi	MPC 184795
2025 07 03.79542	18 02 04.58	-18 39 42.6	17.0 G	M44 – Al-Khatim Observatory, Abu Dhabi	MPC 184795
2025 07 03.80602	18 02 03.23	-18 39 42.5	17.2 G	M44 – Al-Khatim Observatory, Abu Dhabi	MPC 184795
2025 07 03.83115	18 02 00.043	-18 39 41.69	18.0 G	L54 – Berthelot Observatory, Hunedoara	MPC 184795
2025 07 03.84347	18 01 58.447	-18 39 40.46	18.2 G	L54 – Berthelot Observatory, Hunedoara	MPC 184795
2025 07 03.85795	18 01 56.486	-18 39 39.96	18.4 G	L54 – Berthelot Observatory, Hunedoara	MPC 184795
2025 07 03.87254	18 01 54.69	-18 39 38.9	17.3 G	C40 – Kuban State University Astrophysical Observato	MPC 184795
2025 07 03.878394	18 01 54.044	-18 39 37.64	18.4 R	B72 – Soerth Observatory	MPC 184795
2025 07 03.87885	18 01 53.90	-18 39 38.7	17.6 G	C40 – Kuban State University Astrophysical Observato	MPC 184795
2025 07 03.880021	18 01 53.76	-18 39 39.0	17.4 G	K88 – GINOP-KHK, Piszkesteto	MPC 184795
2025 07 03.88516	18 01 53.06	-18 39 38.3	17.1 G	C40 – Kuban State University Astrophysical Observato	MPC 184795
2025 07 03.887185	18 01 52.82	-18 39 38.8	17.1 G	K88 – GINOP-KHK, Piszkesteto	MPC 184795
2025 07 03.89083	18 01 52.42	-18 39 37.7	17.6 G	J43 – Oukaimeden Observatory, Marrakech	MPC 184795
2025 07 03.89147	18 01 52.22	-18 39 38.0	17.2 G	C40 – Kuban State University Astrophysical Observato	MPC 184795
2025 07 03.894350	18 01 51.88	-18 39 38.3	17.1 G	K88 – GINOP-KHK, Piszkesteto	MPC 184795

2025 07 03.894975	18 01 51.851	-18 39 38.44	17.2 R	B72 – Soerth Observatory	MPC 184795
2025 07 03.89760	18 01 51.47	-18 39 37.8	17.4 G	C40 – Kuban State University Astrophysical Observato	MPC 184795
2025 07 03.90026	18 01 51.14	-18 39 37.5	17.5 G	L51 – MARGO, Nauchnyi	MPC 184795
2025 07 03.90174	18 01 50.940	-18 39 36.79	16.9 G	A77 – Observatoire Chante-Perdrix, Dauban	MPC 186021
2025 07 03.902046	18 01 50.935	-18 39 37.89	18.3 R	B72 – Soerth Observatory	MPC 184795
2025 07 03.90354	18 01 50.71	-18 39 37.5	17.4 G	C40 – Kuban State University Astrophysical Observato	MPC 184795
2025 07 03.90410	18 01 50.72	-18 39 36.9	17.6 G	J43 – Oukaimeden Observatory, Marrakech	MPC 184795
2025 07 03.90800	18 01 50.12	-18 39 37.3	17.4 G	L51 – MARGO, Nauchnyi	MPC 184795
2025 07 03.90810	18 01 50.13	-18 39 37.4	16.1 R	106 – Crni Vrh	MPC 184795
2025 07 03.909117	18 01 49.980	-18 39 37.00	17.0 R	B72 – Soerth Observatory	MPC 184795
2025 07 03.90998	18 01 50.01	-18 39 36.2	18.2 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 184795
2025 07 03.91291	18 01 49.450	-18 39 37.11	18.3 G	095 – Crimea-Nauchnyi	MPC 186021
2025 07 03.91336	18 01 49.47	-18 39 37.9		106 – Crni Vrh	MPC 184795
2025 07 03.91501	18 01 49.22	-18 39 37.7	17.6 G	L51 – MARGO, Nauchnyi	MPC 184795
2025 07 03.91678	18 01 49.046	-18 39 36.68	16.5 G	A77 – Observatoire Chante-Perdrix, Dauban	MPC 186021
2025 07 03.917860	18 01 48.898	-18 39 37.33	16.9 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 184795
2025 07 03.91862	18 01 48.77	-18 39 37.1	16.0 R	106 – Crni Vrh	MPC 184795
2025 07 03.91917	18 01 48.80	-18 39 35.9	17.3 G	J43 – Oukaimeden Observatory, Marrakech	MPC 184795
2025 07 03.92124	18 01 48.51	-18 39 36.5	18.3 V	R77 – Observatoire de l'etoile qui rit	MPC 186021
2025 07 03.92209	18 01 48.290	-18 39 34.60	16.0 R	C23 – Olmen	MPC 184795
2025 07 03.92387	18 01 48.10	-18 39 36.6	16.7 R	106 – Crni Vrh	MPC 184795
2025 07 03.92445	18 01 48.03	-18 39 37.1	19.1 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 184795
2025 07 03.92774	18 01 47.736	-18 39 37.12	17.4 G	A77 – Observatoire Chante-Perdrix, Dauban	MPC 186021
2025 07 03.92808	18 01 47.623	-18 39 34.74	17.6 R	C23 – Olmen	MPC 184795
2025 07 03.92913	18 01 47.43	-18 39 36.5	16.6 R	106 – Crni Vrh	MPC 184795
2025 07 03.930732	18 01 47.25	-18 39 36.3	17.5 G	104 – San Marcello Pistoiese	MPC 184795
2025 07 03.93369	18 01 46.855	-18 39 36.61	17.0 R	C23 – Olmen	MPC 184795
2025 07 03.935369	18 01 46.622	-18 39 36.43	18.4 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 184795
2025 07 03.93892	18 01 46.26	-18 39 35.5	18.8 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 184795
2025 07 03.93894	18 01 46.174	-18 39 37.44	16.9 R	C23 – Olmen	MPC 184795
2025 07 03.945074	18 01 45.38	-18 39 35.7	17.6 G	104 – San Marcello Pistoiese	MPC 184795
2025 07 03.94538	18 01 45.29	-18 39 36.0	16.8 R	056 – Skalnate Pleso	MPC 184795
2025 07 03.94632	18 01 45.22	-18 39 35.4	18.2 V	R77 – Observatoire de l'etoile qui rit	MPC 186021
2025 07 03.94740	18 01 45.11	-18 39 35.4	17.1 R	056 – Skalnate Pleso	MPC 184795
2025 07 03.948219	18 01 44.983	-18 39 35.17	18.0 G	598 – Loiano	MPC 184795
2025 07 03.94932	18 01 44.83	-18 39 34.8	18.5 V	B10 – Observatoire des Baronnies Provencales, Moydans	MPC 184795
2025 07 03.950262	18 01 44.717	-18 39 35.03	18.2 G	598 – Loiano	MPC 184795
2025 07 03.95074	18 01 44.69	-18 39 34.2	18.5 V	B10 – Observatoire des Baronnies Provencales, Moydans	MPC 184795
2025 07 03.95089	18 01 44.676	-18 39 35.21	17.4 G	938 – Linhaceira	MPC 184795
2025 07 03.951001	18 01 44.62	-18 39 34.9	16.7 R	M50 – Virtual Telescope Project, Manciano	MPC 184795
2025 07 03.952880	18 01 44.369	-18 39 34.85	18.4 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 184795

2025 07 03.953117	18 01 44.342	-18 39 34.96	18.2 G	598 – Loiano	MPC 184795
2025 07 03.95339	18 01 44.33	-18 39 34.7	18.9 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 184796
2025 07 03.95347	18 01 44.323	-18 39 34.67	17.0 G	J57 – Centro Astronomico Alto Turia, Valencia	MPC 184796
2025 07 03.95355	18 01 44.23	-18 39 35.1	18.5 V	B10 – Observatoire des Baronnies Provencales, Moydans	MPC 184796
2025 07 03.95446	18 01 44.153	-18 39 35.32	17.4 G	938 – Linhaceira	MPC 184796
2025 07 03.956144	18 01 43.956	-18 39 34.81	17.9 G	598 – Loiano	MPC 184796
2025 07 03.95752	18 01 43.73	-18 39 34.8	17.1 R	056 – Skalnate Pleso	MPC 184796
2025 07 03.95801	18 01 43.802	-18 39 34.78	17.5 G	938 – Linhaceira	MPC 184796
2025 07 03.958224	18 01 43.68	-18 39 34.4	16.4 R	M50 – Virtual Telescope Project, Manciano	MPC 184796
2025 07 03.95955	18 01 43.45	-18 39 34.6	17.2 R	056 – Skalnate Pleso	MPC 184796
2025 07 03.96156	18 01 43.286	-18 39 34.42	17.3 G	938 – Linhaceira	MPC 184796
2025 07 03.96157	18 01 43.20	-18 39 34.4	17.1 R	056 – Skalnate Pleso	MPC 184796
2025 07 03.96359	18 01 42.95	-18 39 34.9	16.8 R	056 – Skalnate Pleso	MPC 184796
2025 07 03.96764	18 01 42.44	-18 39 34.0	17.0 R	056 – Skalnate Pleso	MPC 184796
2025 07 03.96786	18 01 42.48	-18 39 33.8	18.5 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 184796
2025 07 03.96967	18 01 42.19	-18 39 34.3	17.0 R	056 – Skalnate Pleso	MPC 184796
2025 07 03.97068	18 01 42.16	-18 39 35.1	18.3 V	R77 – Observatoire de l'etoile qui rit	MPC 186021
2025 07 03.97116	18 01 41.941	-18 39 33.69	18.3 G	095 – Crimea-Nauchnyi	MPC 186021
2025 07 03.972486	18 01 41.854	-18 39 34.16		204 – Schiaparelli Observatory	MPC 184796
2025 07 03.982392	18 01 40.577	-18 39 33.30		204 – Schiaparelli Observatory	MPC 184796
2025 07 03.98359	18 01 40.41	-18 39 32.7	18.9 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 184796
2025 07 03.98649	18 01 40.058	-18 39 33.01	16.8 G	J57 – Centro Astronomico Alto Turia, Valencia	MPC 184796
2025 07 03.99009	18 01 39.73	-18 39 30.2	15.6 G	X03 – Observatoire SADR, Poroto	MPC 186021
2025 07 03.992297	18 01 39.298	-18 39 32.94	17.8 G	204 – Schiaparelli Observatory	MPC 184796
2025 07 03.993082	18 01 39.211	-18 39 32.40	17.9 G	J95 – Great Shefford	MPC 184796
2025 07 03.997636	18 01 38.60	-18 39 32.9	17.9 G	L06 – Sormano 2 Observatory, Bellagio Via Lattea	MPC 184796
2025 07 03.99835	18 01 38.67	-18 39 29.7	15.5 G	X03 – Observatoire SADR, Poroto	MPC 186021
2025 07 03.999162	18 01 38.434	-18 39 32.04	17.5 G	J95 – Great Shefford	MPC 184796
2025 07 03.99932	18 01 38.41	-18 39 31.8	18.7 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 184796
2025 07 03.99957	18 01 38.376	-18 39 32.15	19.2 V	Y90 – Observatorio ESTELIA, Ladines	MPC 184796
2025 07 04.00661	18 01 37.61	-18 39 29.5	15.6 G	X03 – Observatoire SADR, Poroto	MPC 186021
2025 07 04.010093	18 01 36.99	-18 39 32.4	18.1 G	L06 – Sormano 2 Observatory, Bellagio Via Lattea	MPC 184796
2025 07 04.01379	18 01 36.57	-18 39 30.4	17.7 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 184796
2025 07 04.01487	18 01 36.56	-18 39 28.8	15.4 G	X03 – Observatoire SADR, Poroto	MPC 186021
2025 07 04.022550	18 01 35.37	-18 39 31.3	17.5 G	L06 – Sormano 2 Observatory, Bellagio Via Lattea	MPC 184796
2025 07 04.02312	18 01 35.48	-18 39 28.2	15.5 G	X03 – Observatoire SADR, Poroto	MPC 186021
2025 07 04.02825	18 01 34.68	-18 39 30.4	18.6 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 184796
2025 07 04.02915	18 01 34.94	-18 39 29.9	17.3 V	X33 – OARU, Manaus	MPC 184796
2025 07 04.02919	18 01 34.550	-18 39 30.60	16.8 G	J57 – Centro Astronomico Alto Turia, Valencia	MPC 184796
2025 07 04.03164	18 01 34.253	-18 39 30.06	18.6 V	D63 – G. Pascoli Observatory, Barga (since June 2023)	MPC 184796
2025 07 04.03399	18 01 33.926	-18 39 30.28	19.5 V	Y90 – Observatorio ESTELIA, Ladines	MPC 184796

2025 07 04.03553	18 01 34.03	-18 39 30.4	17.2 V	X33 – OARU, Manaus	MPC 184796
2025 07 04.03821	18 01 33.360	-18 39 30.64	16.8 V	D63 – G. Pascoli Observatory, Barga (since June 2023)	MPC 184796
2025 07 04.04172	18 01 33.43	-18 39 29.0	17.1 V	X33 – OARU, Manaus	MPC 184796
2025 07 04.04272	18 01 32.83	-18 39 29.6	19.0 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 184796
2025 07 04.04877	18 01 32.035	-18 39 29.59	17.6 G	G40 – Slooh.com Canary Islands Observatory	MPC 184796
2025 07 04.05670	18 01 31.013	-18 39 29.30	17.6 G	G40 – Slooh.com Canary Islands Observatory	MPC 184796
2025 07 04.05719	18 01 30.92	-18 39 28.9	19.4 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 184796
2025 07 04.06771	18 01 29.582	-18 39 28.58	19.8 V	Y90 – Observatorio ESTELIA, Ladines	MPC 184796
2025 07 04.07165	18 01 29.05	-18 39 27.8	18.9 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 184796
2025 07 04.07265	18 01 28.826	-18 39 24.95	16.7 G	X76 – SUN Observatory, Redencao	MPC 184796
2025 07 04.07912	18 01 28.133	-18 39 23.94	16.8 G	X76 – SUN Observatory, Redencao	MPC 184796
2025 07 04.08506	18 01 27.170	-18 39 25.70	17.4 G	X76 – SUN Observatory, Redencao	MPC 184796
2025 07 04.17449	18 01 15.989	-18 39 22.64	19.1 V	H36 – Sandlot Observatory, Scranton	MPC 184796
2025 07 04.17558	18 01 15.811	-18 39 22.54	19.0 V	H36 – Sandlot Observatory, Scranton	MPC 184796
2025 07 04.17956	18 01 15.276	-18 39 22.46	18.9 V	H36 – Sandlot Observatory, Scranton	MPC 184796
2025 07 04.18282	18 01 14.868	-18 39 22.36	18.8 V	H36 – Sandlot Observatory, Scranton	MPC 184796
2025 07 04.18463	18 01 14.640	-18 39 22.10	19.1 V	H36 – Sandlot Observatory, Scranton	MPC 184796
2025 07 04.19007	18 01 13.946	-18 39 21.96	18.9 V	H36 – Sandlot Observatory, Scranton	MPC 184796
2025 07 04.235810	18 01 08.033	-18 39 19.62	18.52 g	I41 – Palomar Mountain--ZTF	MPC 186021
2025 07 04.235810	18 01 08.070	-18 39 19.56	18.53 g	I41 – Palomar Mountain--ZTF	MPEC 005
2025 07 04.235994	18 01 08.088	-18 39 19.63	18.53 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 04.28293	18 01 01.79	-18 39 14.8	17.0 V	X10 – OVTLN, San Pedro de Atacama	MPC 184796
2025 07 04.284734	18 01 01.626	-18 39 14.46	17.8 G	309 – Cerro Paranal	MPC 184796
2025 07 04.287768	18 01 01.231	-18 39 14.27	17.7 G	309 – Cerro Paranal	MPC 184796
2025 07 04.28855	18 01 01.11	-18 39 14.2	17.9 V	X10 – OVTLN, San Pedro de Atacama	MPC 184796
2025 07 04.290213	18 01 00.914	-18 39 14.12	17.9 G	309 – Cerro Paranal	MPC 184796
2025 07 04.293411	18 01 00.501	-18 39 13.95	17.8 G	309 – Cerro Paranal	MPC 184796
2025 07 04.29422	18 01 00.37	-18 39 14.0	17.9 V	X10 – OVTLN, San Pedro de Atacama	MPC 184796
2025 07 04.35336	18 00 52.70	-18 39 10.1	18.1 V	X10 – OVTLN, San Pedro de Atacama	MPC 184796
2025 07 04.35904	18 00 51.98	-18 39 09.8	18.1 V	X10 – OVTLN, San Pedro de Atacama	MPC 184796
2025 07 04.36475	18 00 51.20	-18 39 09.6	18.6 V	X10 – OVTLN, San Pedro de Atacama	MPC 184796
2025 07 04.368615	18 00 50.940	-18 39 11.81	17.28 G	F65 – Haleakala-Faulkes Telescope North	MPC 184796
2025 07 04.389603	18 00 48.331	-18 39 08.30	17.4 G	E10 – Siding Spring-Faulkes Telescope South	MPC 184796
2025 07 04.398279	18 00 47.082	-18 39 10.23	17.52 G	F65 – Haleakala-Faulkes Telescope North	MPC 184796
2025 07 04.411309	18 00 45.517	-18 39 07.11	17.3 G	E10 – Siding Spring-Faulkes Telescope South	MPC 184796
2025 07 04.427951	18 00 43.231	-18 39 08.45	17.27 G	F65 – Haleakala-Faulkes Telescope North	MPC 184796
2025 07 04.430087	18 00 43.084	-18 39 06.13	17.3 G	E10 – Siding Spring-Faulkes Telescope South	MPC 184796
2025 07 04.442266	18 00 41.496	-18 39 05.47	17.4 G	E10 – Siding Spring-Faulkes Telescope South	MPC 184796
2025 07 04.448763	18 00 40.662	-18 39 05.00	17.2 G	E10 – Siding Spring-Faulkes Telescope South	MPC 184796
2025 07 04.455438	18 00 39.637	-18 39 07.02	17.53 G	F65 – Haleakala-Faulkes Telescope North	MPC 184796
2025 07 04.461026	18 00 39.066	-18 39 04.36	17.4 G	E10 – Siding Spring-Faulkes Telescope South	MPC 184796

2025 07 04.471699	18 00 37.686	-18 39 03.96	17.2 G	E10 – Siding Spring-Faulkes Telescope South	MPC 184796
2025 07 04.482345	18 00 36.295	-18 39 03.28	17.4 G	E10 – Siding Spring-Faulkes Telescope South	MPC 184796
2025 07 04.48391	18 00 36.01	-18 39 03.1	17.8 G	E23 – Arcadia	MPC 184796
2025 07 04.48462	18 00 35.98	-18 39 03.1	17.4 G	E23 – Arcadia	MPC 186021
2025 07 04.492735	18 00 34.787	-18 39 04.81	17.60 G	F65 – Haleakala-Faulkes Telescope North	MPC 184796
2025 07 04.51321	18 00 32.25	-18 39 01.7	16.8 G	E23 – Arcadia	MPC 186021
2025 07 04.51335	18 00 32.07	-18 38 58.5		E23 – Arcadia	MPC 184796
2025 07 04.531439	18 00 29.958	-18 39 03.68	17.6 V	Q06 – Tarui Observatory, Tarui	MPC 184796
2025 07 04.535222	18 00 29.426	-18 39 03.73	18.1 V	Q06 – Tarui Observatory, Tarui	MPC 184796
2025 07 04.83750	17 59 50.275	-18 38 45.82	18.4 G	L54 – Berthelot Observatory, Hunedoara	MPC 184796
2025 07 04.85203	17 59 48.326	-18 38 44.77	18.0 G	L54 – Berthelot Observatory, Hunedoara	MPC 184796
2025 07 04.85557	17 59 47.86	-18 38 45.0	16.7 R	071 – NAO Rozhen, Smolyan	MPC 186021
2025 07 04.85867	17 59 47.41	-18 38 43.9	17.3 G	C40 – Kuban State University Astrophysical Observato	MPC 184796
2025 07 04.86281	17 59 46.93	-18 38 44.4	16.7 R	071 – NAO Rozhen, Smolyan	MPC 186021
2025 07 04.86649	17 59 46.45	-18 38 44.3	16.0 R	071 – NAO Rozhen, Smolyan	MPC 186021
2025 07 04.86653	17 59 46.454	-18 38 44.77	18.0 G	L54 – Berthelot Observatory, Hunedoara	MPC 184796
2025 07 04.87011	17 59 45.96	-18 38 44.0	15.1 R	071 – NAO Rozhen, Smolyan	MPC 186021
2025 07 04.87092	17 59 45.84	-18 38 43.1	17.3 G	C40 – Kuban State University Astrophysical Observato	MPC 184796
2025 07 04.87500	17 59 45.29	-18 38 43.2	17.2 G	C40 – Kuban State University Astrophysical Observato	MPC 184796
2025 07 04.87787	17 59 44.990	-18 38 43.58	16.4 G	L49 – VEGA-Sternwarte, Dorfleiten	MPC 184796
2025 07 04.87909	17 59 44.78	-18 38 43.0	17.2 G	C40 – Kuban State University Astrophysical Observato	MPC 184796
2025 07 04.88096	17 59 44.57	-18 38 43.7	16.9 G	K83 – Osservatorio Astronomico Beppe Forti, Montelupo	MPC 184796
2025 07 04.88097	17 59 44.57	-18 38 43.8	16.1 R	071 – NAO Rozhen, Smolyan	MPC 186021
2025 07 04.88433	17 59 44.119	-18 38 43.15	16.8 G	L49 – VEGA-Sternwarte, Dorfleiten	MPC 184796
2025 07 04.89018	17 59 43.37	-18 38 41.8	16.9 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 184796
2025 07 04.89086	17 59 43.25	-18 38 42.6	16.6 G	K83 – Osservatorio Astronomico Beppe Forti, Montelupo	MPC 184796
2025 07 04.89133	17 59 43.15	-18 38 42.4	17.5 G	C40 – Kuban State University Astrophysical Observato	MPC 184796
2025 07 04.89152	17 59 43.193	-18 38 42.76	16.2 G	L49 – VEGA-Sternwarte, Dorfleiten	MPC 184796
2025 07 04.892419	17 59 43.115	-18 38 42.67	16.4 R	B72 – Soerth Observatory	MPC 184796
2025 07 04.89894	17 59 42.17	-18 38 42.2	17.3 G	C40 – Kuban State University Astrophysical Observato	MPC 184796
2025 07 04.899412	17 59 42.120	-18 38 42.72		K74 – Muensterschwarzach Observatory, Schwarzach	MPC 184796
2025 07 04.90059	17 59 41.958	-18 38 42.24	18.2 G	095 – Crimea-Nauchnyi	MPC 186021
2025 07 04.90075	17 59 41.96	-18 38 42.5	16.8 G	K83 – Osservatorio Astronomico Beppe Forti, Montelupo	MPC 184796
2025 07 04.902321	17 59 41.828	-18 38 42.68	17.3 R	B72 – Soerth Observatory	MPC 184796
2025 07 04.902837	17 59 41.64	-18 38 42.6		104 – San Marcello Pistoiese	MPC 184796
2025 07 04.90648	17 59 41.201	-18 38 40.78	14.6 R	C23 – Olmen	MPC 184796
2025 07 04.909394	17 59 40.880	-18 38 42.61	17.0 R	B72 – Soerth Observatory	MPC 184796
2025 07 04.91224	17 59 40.45	-18 38 41.3	17.3 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 184796
2025 07 04.91355	17 59 40.31	-18 38 41.7	16.6 R	071 – NAO Rozhen, Smolyan	MPC 186021
2025 07 04.913691	17 59 40.28	-18 38 41.8		215 – Buchloe	MPC 184796
2025 07 04.916285	17 59 39.92	-18 38 41.7	17.9 R	215 – Buchloe	MPC 184796

2025 07 04.916573	17 59 39.914	-18 38 41.32		K74 – Muensterschwarzach Observatory, Schwarzach	MPC 184796
2025 07 04.91716	17 59 39.78	-18 38 41.3	17.7 R	071 – NAO Rozhen, Smolyan	MPC 186021
2025 07 04.918880	17 59 39.58	-18 38 41.5	17.7 R	215 – Buchloe	MPC 184797
2025 07 04.918970	17 59 39.619	-18 38 40.96	16.6 G	L65 – Bredenkamp Observatory, Bremen	MPC 184797
2025 07 04.92078	17 59 39.34	-18 38 41.1	16.7 R	071 – NAO Rozhen, Smolyan	MPC 186021
2025 07 04.923239	17 59 39.00	-18 38 39.3	17.7 G	104 – San Marcello Pistoiese	MPC 184797
2025 07 04.92440	17 59 38.81	-18 38 40.5	16.8 R	071 – NAO Rozhen, Smolyan	MPC 186021
2025 07 04.92483	17 59 38.760	-18 38 39.55	16.4 R	C23 – Olmen	MPC 184797
2025 07 04.933874	17 59 37.65	-18 38 39.8	17.9 G	G17 – BAS Observatory, Scandicci	MPC 184797
2025 07 04.933979	17 59 37.690	-18 38 38.35	17.1 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 184797
2025 07 04.93526	17 59 37.44	-18 38 40.1	16.6 R	071 – NAO Rozhen, Smolyan	MPC 186021
2025 07 04.937507	17 59 37.198	-18 38 41.06	16.2 G	L65 – Bredenkamp Observatory, Bremen	MPC 184797
2025 07 04.938983	17 59 37.028	-18 38 38.28	17.1 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 184797
2025 07 04.943878	17 59 36.427	-18 38 37.11	17.8 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 184797
2025 07 04.94503	17 59 36.128	-18 38 39.60	18.2 G	095 – Crimea-Nauchnyi	MPC 186021
2025 07 04.94612	17 59 36.03	-18 38 39.8	16.5 R	071 – NAO Rozhen, Smolyan	MPC 186021
2025 07 04.948824	17 59 35.67	-18 38 39.5	18.1 G	G17 – BAS Observatory, Scandicci	MPC 184797
2025 07 04.94974	17 59 35.52	-18 38 39.6	17.1 R	071 – NAO Rozhen, Smolyan	MPC 186021
2025 07 04.95336	17 59 35.07	-18 38 39.2	16.6 R	071 – NAO Rozhen, Smolyan	MPC 186021
2025 07 04.95427	17 59 34.96	-18 38 39.3	17.6 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 184797
2025 07 04.956064	17 59 34.757	-18 38 39.73	16.3 G	L65 – Bredenkamp Observatory, Bremen	MPC 184797
2025 07 04.959487	17 59 34.462	-18 38 36.24	17.47 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186021
2025 07 04.96060	17 59 34.16	-18 38 39.1	24.7 R	071 – NAO Rozhen, Smolyan	MPC 186021
2025 07 04.966598	17 59 33.566	-18 38 36.02	17.99 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186021
2025 07 04.96688	17 59 33.36	-18 38 39.0	17.2 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 184797
2025 07 04.968931	17 59 33.238	-18 38 35.20	17.61 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186021
2025 07 04.973697	17 59 32.558	-18 38 34.91	17.72 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186021
2025 07 04.976099	17 59 32.297	-18 38 34.58	17.71 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186021
2025 07 04.978450	17 59 31.990	-18 38 34.66	17.53 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186021
2025 07 04.985588	17 59 31.061	-18 38 34.73	17.39 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186021
2025 07 04.987895	17 59 30.768	-18 38 34.33	17.67 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186021
2025 07 04.990250	17 59 30.425	-18 38 33.32	17.92 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186021
2025 07 04.992563	17 59 30.142	-18 38 33.79	17.74 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186021
2025 07 04.994938	17 59 29.868	-18 38 33.58	17.81 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186021
2025 07 04.997345	17 59 29.532	-18 38 33.76	17.95 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186021
2025 07 04.999846	17 59 29.206	-18 38 33.25	17.78 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186021
2025 07 05.002162	17 59 28.877	-18 38 33.14	17.97 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186021
2025 07 05.00354	17 59 28.774	-18 38 31.49	17.6 G	151 – Eschenberg Observatory, Winterthur	MPC 184797
2025 07 05.004524	17 59 28.625	-18 38 33.07	17.66 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186021
2025 07 05.00598	17 59 28.205	-18 38 37.54	18.7 G	151 – Eschenberg Observatory, Winterthur	MPC 184797
2025 07 05.006829	17 59 28.296	-18 38 33.40	17.67 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186021

2025 07 05.00762	17 59 27.934	-18 38 40.09	18.9 G	151 – Eschenberg Observatory, Winterthur	MPC 184797
2025 07 05.009150	17 59 27.967	-18 38 33.25	18.08 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186021
2025 07 05.011500	17 59 27.643	-18 38 32.50	17.50 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186021
2025 07 05.01167	17 59 27.127	-18 38 28.39	18.6 G	151 – Eschenberg Observatory, Winterthur	MPC 184797
2025 07 05.013808	17 59 27.415	-18 38 32.57	17.77 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186021
2025 07 05.01410	17 59 27.060	-18 38 37.54	19.4 G	151 – Eschenberg Observatory, Winterthur	MPC 184797
2025 07 05.016119	17 59 27.074	-18 38 32.50	17.95 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.018425	17 59 26.722	-18 38 32.60	17.57 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.020864	17 59 26.491	-18 38 31.49	17.82 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.023337	17 59 26.122	-18 38 32.32	17.71 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
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2025 07 05.030381	17 59 25.178	-18 38 31.60	17.73 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.032798	17 59 24.883	-18 38 31.34	17.66 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.035120	17 59 24.593	-18 38 31.88	17.79 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.037515	17 59 24.271	-18 38 31.63	17.52 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.039861	17 59 23.954	-18 38 31.56	17.68 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.041865	17 59 23.683	-18 38 31.06	17.74 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.044266	17 59 23.381	-18 38 30.66	17.66 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.046690	17 59 23.042	-18 38 31.24	17.56 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.048992	17 59 22.704	-18 38 30.52	17.66 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.051189	17 59 22.452	-18 38 30.62	17.70 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.053566	17 59 22.140	-18 38 30.44	17.71 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.055997	17 59 21.840	-18 38 30.52	17.79 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.058281	17 59 21.523	-18 38 30.08	17.71 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.060649	17 59 21.206	-18 38 30.30	17.76 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.063197	17 59 20.875	-18 38 29.72	17.77 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.065472	17 59 20.597	-18 38 29.76	17.55 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.068106	17 59 20.237	-18 38 29.36	17.68 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.070298	17 59 19.937	-18 38 29.69	17.91 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.07119	17 59 19.711	-18 38 32.03	18.0 G	G40 – Slooh.com Canary Islands Observatory	MPC 184797
2025 07 05.072605	17 59 19.680	-18 38 29.04	17.78 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.074797	17 59 19.380	-18 38 28.90	17.89 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.07578	17 59 19.087	-18 38 31.60		G40 – Slooh.com Canary Islands Observatory	MPC 184797
2025 07 05.077351	17 59 19.032	-18 38 29.08	17.52 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.079828	17 59 18.715	-18 38 28.90	17.70 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.082211	17 59 18.389	-18 38 28.00	17.82 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.084659	17 59 18.031	-18 38 29.26	17.78 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.088186	17 59 17.671	-18 38 28.10	17.77 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.090489	17 59 17.311	-18 38 28.68	17.65 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.093760	17 59 16.853	-18 38 28.39	17.78 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022

2025 07 05.096478	17 59 16.562	-18 38 27.85	17.89 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.098747	17 59 16.224	-18 38 28.28	17.79 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.100647	17 59 15.950	-18 38 27.96	17.74 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.103028	17 59 15.670	-18 38 27.42	17.59 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.105481	17 59 15.319	-18 38 27.60	17.66 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.108257	17 59 14.974	-18 38 27.92	17.66 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.110573	17 59 14.662	-18 38 27.60	17.76 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.112863	17 59 14.340	-18 38 27.17	17.63 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.115201	17 59 14.076	-18 38 27.10	17.62 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.117946	17 59 13.690	-18 38 26.81	17.61 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.120633	17 59 13.303	-18 38 26.81	17.68 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.122969	17 59 13.063	-18 38 26.30	17.72 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.125321	17 59 12.725	-18 38 26.88	17.69 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.127618	17 59 12.442	-18 38 25.66	17.86 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.129916	17 59 12.125	-18 38 25.80	17.67 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.132229	17 59 11.803	-18 38 26.48	17.72 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.135070	17 59 11.448	-18 38 25.69	17.66 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.137407	17 59 11.186	-18 38 25.55	17.62 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.139712	17 59 10.867	-18 38 25.15	17.67 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.142597	17 59 10.442	-18 38 25.84	17.66 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.145128	17 59 10.099	-18 38 25.55	17.62 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.147765	17 59 09.816	-18 38 25.19	17.69 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.150179	17 59 09.518	-18 38 24.86	17.82 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.152580	17 59 09.154	-18 38 25.26	17.59 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.155094	17 59 08.753	-18 38 24.76	17.83 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.157512	17 59 08.532	-18 38 25.12	17.55 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.159920	17 59 08.167	-18 38 24.47	17.58 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.16052	17 59 08.11	-18 38 26.7	16.9 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 184797
2025 07 05.162196	17 59 07.891	-18 38 23.96	17.77 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.164690	17 59 07.543	-18 38 23.60	17.80 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.167157	17 59 07.243	-18 38 23.71	17.68 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.169562	17 59 06.929	-18 38 23.75	17.62 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.171724	17 59 06.622	-18 38 23.75	17.74 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.174217	17 59 06.286	-18 38 23.60	17.92 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.176777	17 59 05.978	-18 38 23.06	17.64 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.179321	17 59 05.621	-18 38 22.34	17.75 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.17979	17 59 05.57	-18 38 25.6	16.9 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 184797
2025 07 05.181613	17 59 05.350	-18 38 21.84	17.58 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.186320	17 59 04.711	-18 38 23.10	17.71 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.188620	17 59 04.406	-18 38 22.92	17.64 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.190933	17 59 04.121	-18 38 22.38	17.69 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022

2025 07 05.193238	17 59 03.768	-18 38 22.31	17.58 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.194641	17 59 03.641	-18 38 22.35	18.11 G	W86 – Cerro Tololo-LCO B	MPC 184797
2025 07 05.195770	17 59 03.444	-18 38 22.09	17.78 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.196169	17 59 03.431	-18 38 22.32	17.58 G	W86 – Cerro Tololo-LCO B	MPC 184797
2025 07 05.19731	17 59 03.27	-18 38 24.6	16.9 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 184797
2025 07 05.197611	17 59 03.246	-18 38 21.96	17.84 G	W86 – Cerro Tololo-LCO B	MPC 184797
2025 07 05.198680	17 59 03.084	-18 38 22.24	17.75 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.200985	17 59 02.748	-18 38 22.09	17.70 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.203297	17 59 02.441	-18 38 22.09	17.59 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.203492	17 59 02.464	-18 38 21.84	17.95 G	W86 – Cerro Tololo-LCO B	MPC 184797
2025 07 05.205635	17 59 02.162	-18 38 21.41	17.75 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.207933	17 59 01.882	-18 38 21.26	17.68 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.210273	17 59 01.536	-18 38 21.62	17.64 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.212757	17 59 01.217	-18 38 21.26	17.58 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.215757	17 59 00.821	-18 38 21.26	17.64 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.218134	17 59 00.535	-18 38 20.83	17.70 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.220496	17 59 00.230	-18 38 20.51	17.81 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.223017	17 58 59.902	-18 38 20.62	17.83 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.225749	17 58 59.554	-18 38 19.86	17.77 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.228254	17 58 59.165	-18 38 20.44	17.65 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.230640	17 58 58.850	-18 38 20.22	17.80 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.233148	17 58 58.507	-18 38 19.97	17.71 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.235847	17 58 58.169	-18 38 19.90	17.47 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.238393	17 58 57.816	-18 38 19.72	17.61 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.241026	17 58 57.504	-18 38 19.79	17.60 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.24128	17 58 57.547	-18 38 21.59	18.5 V	W05 – Tree Gate Farm Observatory, Starkville	MPC 184797
2025 07 05.244197	17 58 57.077	-18 38 19.72	17.73 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.246933	17 58 56.707	-18 38 18.96	18.02 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.249545	17 58 56.393	-18 38 18.82	17.47 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.252803	17 58 55.954	-18 38 18.71	17.66 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.255563	17 58 55.622	-18 38 18.56	17.63 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.256355	17 58 55.709	-18 38 20.51	17.88 o	T05 – ATLAS-HKO, Haleakala	MPC 186022
2025 07 05.258238	17 58 55.411	-18 38 20.33	17.63 o	T05 – ATLAS-HKO, Haleakala	MPC 186022
2025 07 05.25880	17 58 55.231	-18 38 20.90	17.6 V	W05 – Tree Gate Farm Observatory, Starkville	MPC 184797
2025 07 05.260114	17 58 55.193	-18 38 20.98	17.58 o	T05 – ATLAS-HKO, Haleakala	MPC 186022
2025 07 05.261620	17 58 54.821	-18 38 18.20	17.40 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.262004	17 58 54.962	-18 38 20.83	17.88 o	T05 – ATLAS-HKO, Haleakala	MPC 186022
2025 07 05.264209	17 58 54.415	-18 38 17.34	17.73 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.265832	17 58 54.504	-18 38 20.11	17.96 o	T05 – ATLAS-HKO, Haleakala	MPC 186022
2025 07 05.267283	17 58 54.067	-18 38 18.38	17.66 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186022
2025 07 05.267720	17 58 54.221	-18 38 19.54	17.97 o	T05 – ATLAS-HKO, Haleakala	MPC 186022

2025 07 05.269581	17 58 53.978	-18 38 19.57	17.75 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.269810	17 58 53.743	-18 38 17.30	17.57 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.271474	17 58 53.714	-18 38 19.93	17.91 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.273140	17 58 53.268	-18 38 17.23	17.98 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.273367	17 58 53.455	-18 38 19.43	18.24 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.275214	17 58 53.234	-18 38 19.43	17.84 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.27579	17 58 52.949	-18 38 20.22	17.6 V	W05 – Tree Gate Farm Observatory, Starkville	MPC 184797
2025 07 05.275986	17 58 52.918	-18 38 17.12	17.74 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.277082	17 58 52.975	-18 38 19.07	17.69 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.278925	17 58 52.466	-18 38 16.66	17.59 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.278945	17 58 52.754	-18 38 19.28	17.90 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.280799	17 58 52.519	-18 38 18.60	17.81 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.281918	17 58 52.135	-18 38 17.12	17.55 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.282658	17 58 52.246	-18 38 18.82	17.78 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.284503	17 58 52.008	-18 38 18.64	17.82 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.285167	17 58 51.730	-18 38 16.40	17.71 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.286394	17 58 51.775	-18 38 18.42	17.77 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.287607	17 58 51.350	-18 38 16.58	17.68 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.288378	17 58 51.454	-18 38 18.35	17.79 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.290424	17 58 51.238	-18 38 18.74	17.63 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.290604	17 58 51.012	-18 38 16.04	17.76 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.292274	17 58 50.981	-18 38 18.28	17.82 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.293483	17 58 50.630	-18 38 16.26	17.71 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.294116	17 58 50.753	-18 38 18.20	17.65 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.296069	17 58 50.470	-18 38 18.06	17.89 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.296409	17 58 50.213	-18 38 16.04	17.83 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.297589	17 58 50.314	-18 38 18.20	17.89 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.299566	17 58 49.824	-18 38 15.68	17.59 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.301606	17 58 49.790	-18 38 17.81	17.84 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.302726	17 58 49.387	-18 38 15.76	17.66 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.303426	17 58 49.512	-18 38 17.63	17.70 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.305341	17 58 49.279	-18 38 17.88	17.89 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.306032	17 58 48.924	-18 38 15.18	17.75 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.307154	17 58 49.018	-18 38 17.38	17.79 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.308532	17 58 48.643	-18 38 15.14	17.80 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.309046	17 58 48.785	-18 38 17.52	17.85 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.310855	17 58 48.533	-18 38 17.12	17.93 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.311208	17 58 48.250	-18 38 14.78	17.66 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.312686	17 58 48.264	-18 38 17.52	17.91 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.314453	17 58 47.866	-18 38 15.00	17.74 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.314603	17 58 48.019	-18 38 17.02	17.81 o	T05 – ATLAS-HKO, Haleakala	MPC 186023

2025 07 05.316518	17 58 47.798	-18 38 17.20	17.73 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.316870	17 58 47.522	-18 38 14.68	17.67 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.318423	17 58 47.539	-18 38 17.09	17.82 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.319905	17 58 47.160	-18 38 14.42	17.94 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.320370	17 58 47.302	-18 38 16.84	17.71 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.322210	17 58 47.052	-18 38 16.91	17.79 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.322940	17 58 46.742	-18 38 13.99	17.72 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.324075	17 58 46.778	-18 38 16.04	17.83 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.325939	17 58 46.579	-18 38 16.51	17.84 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.327760	17 58 46.330	-18 38 16.48	17.80 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.329053	17 58 45.965	-18 38 14.71	17.79 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.329617	17 58 46.075	-18 38 15.04	17.93 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.331475	17 58 45.833	-18 38 16.44	17.95 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.332377	17 58 45.504	-18 38 13.88	17.58 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.333305	17 58 45.564	-18 38 16.01	17.70 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.335154	17 58 45.312	-18 38 15.79	17.78 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.335500	17 58 45.115	-18 38 13.52	17.53 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.337034	17 58 45.067	-18 38 16.04	17.67 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.338862	17 58 44.870	-18 38 15.76	17.92 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.340690	17 58 44.621	-18 38 15.86	17.98 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.342534	17 58 44.354	-18 38 15.76	17.75 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.344366	17 58 43.908	-18 38 12.84	17.61 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.344385	17 58 44.122	-18 38 15.36	17.75 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.346214	17 58 43.889	-18 38 15.40	17.72 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.348027	17 58 43.642	-18 38 15.36	17.75 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.349846	17 58 43.380	-18 38 14.50	17.84 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.351666	17 58 43.147	-18 38 15.25	17.77 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.351765	17 58 42.929	-18 38 12.55	17.53 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.353871	17 58 42.823	-18 38 14.64	17.86 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.354783	17 58 42.526	-18 38 11.36	17.56 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.355723	17 58 42.631	-18 38 14.82	17.86 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.357248	17 58 42.202	-18 38 11.98	17.64 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186023
2025 07 05.357574	17 58 42.377	-18 38 14.71	17.85 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.358955	17 58 42.214	-18 38 14.32	17.76 o	T05 – ATLAS-HKO, Haleakala	MPC 184797
2025 07 05.359407	17 58 42.125	-18 38 14.35	17.78 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.361219	17 58 41.909	-18 38 14.57	17.66 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.361671	17 58 41.834	-18 38 14.78	17.73 o	T05 – ATLAS-HKO, Haleakala	MPC 184797
2025 07 05.363055	17 58 41.688	-18 38 14.39	17.77 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.364872	17 58 41.412	-18 38 14.21	17.74 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.366689	17 58 41.172	-18 38 14.42	17.80 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.367142	17 58 41.119	-18 38 14.10	17.45 o	T05 – ATLAS-HKO, Haleakala	MPC 184797

2025 07 05.368515	17 58 40.910	-18 38 13.92	17.83 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.370359	17 58 40.673	-18 38 13.13	17.85 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.372199	17 58 40.476	-18 38 13.60	17.92 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.374017	17 58 40.212	-18 38 13.78	18.00 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.375875	17 58 39.943	-18 38 13.49	17.71 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.377693	17 58 39.756	-18 38 13.38	17.84 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.379446	17 58 39.511	-18 38 13.45	17.68 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.380832	17 58 39.331	-18 38 13.24	17.77 o	T05 – ATLAS-HKO, Haleakala	MPC 184797
2025 07 05.381284	17 58 39.245	-18 38 13.09	17.78 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.383091	17 58 39.002	-18 38 12.73	17.77 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.384904	17 58 38.784	-18 38 13.09	17.91 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.386725	17 58 38.496	-18 38 12.88	17.86 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.388554	17 58 38.318	-18 38 12.52	17.74 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.390367	17 58 38.028	-18 38 12.73	17.70 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
2025 07 05.392186	17 58 37.812	-18 38 12.70	17.85 o	T05 – ATLAS-HKO, Haleakala	MPC 186023
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2025 07 05.60323	17 58 10.12	-18 38 00.0	18.0 V	867 – Saji Observatory	MPC 184797
2025 07 05.60750	17 58 09.55	-18 37 59.9		867 – Saji Observatory	MPC 184797
2025 07 05.61032	17 58 09.18	-18 37 59.7		867 – Saji Observatory	MPC 184797
2025 07 05.61490	17 58 08.55	-18 37 59.3		867 – Saji Observatory	MPC 184797
2025 07 05.84711	17 57 38.119	-18 37 44.36	18.0 G	L54 – Berthelot Observatory, Hunedoara	MPC 184797
2025 07 05.85709	17 57 36.62	-18 37 43.3	17.2 G	C40 – Kuban State University Astrophysical Observato	MPC 184797
2025 07 05.86135	17 57 36.14	-18 37 43.2	17.4 G	D04 – Krasnodar	MPC 184797
2025 07 05.86598	17 57 35.49	-18 37 42.8	17.3 G	C40 – Kuban State University Astrophysical Observato	MPC 184797
2025 07 05.86718	17 57 35.54	-18 37 42.9	17.5 r	L90 – ABObservatory, Rosarno	MPC 184797
2025 07 05.86740	17 57 35.388	-18 37 42.78	18.0 G	L54 – Berthelot Observatory, Hunedoara	MPC 184797
2025 07 05.87469	17 57 34.28	-18 37 43.4	17.2 G	C40 – Kuban State University Astrophysical Observato	MPC 184797
2025 07 05.87520	17 57 34.31	-18 37 42.7	17.4 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 184797
2025 07 05.87700	17 57 34.23	-18 37 42.0	18.3 r	L90 – ABObservatory, Rosarno	MPC 184797
2025 07 05.87878	17 57 33.80	-18 37 42.3	17.2 G	D04 – Krasnodar	MPC 184797
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2025 07 05.88767	17 57 32.652	-18 37 42.53	18.0 G	L54 – Berthelot Observatory, Hunedoara	MPC 184797
2025 07 05.89177	17 57 32.23	-18 37 40.7	17.4 G	C40 – Kuban State University Astrophysical Observato	MPC 184797
2025 07 05.89603	17 57 31.51	-18 37 40.5	17.4 G	D04 – Krasnodar	MPC 184797
2025 07 05.897345	17 57 31.46	-18 37 41.9	17.3 G	958 – Observatoire de Dax	MPC 184797
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2025 07 05.908191	17 57 29.98	-18 37 40.7	16.8 G	958 – Observatoire de Dax	MPC 184797
2025 07 05.90842	17 57 29.96	-18 37 40.8	17.6 G	G18 – ALMO Observatory, Padulle	MPC 184797
2025 07 05.91159	17 57 29.49	-18 37 40.8	18.2 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 184797
2025 07 05.91161	17 57 29.474	-18 37 40.62	17.2 R	056 – Skalnate Pleso	MPC 186024
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2025 07 05.926089	17 57 27.62	-18 37 40.3	17.3 G	958 – Observatoire de Dax	MPC 184797
2025 07 05.93245	17 57 26.73	-18 37 40.0	18.1 V	R45 – Tycho Brahe, Trevinca	MPC 184797
2025 07 05.93248	17 57 26.758	-18 37 39.97	18.5 V	185 – Observatoire Astronomique Jurassien-Vicques	MPC 184797
2025 07 05.93329	17 57 26.62	-18 37 39.9	18.8 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 184797
2025 07 05.93986	17 57 25.72	-18 37 38.8	16.0 G	G18 – ALMO Observatory, Padulle	MPC 184797
2025 07 05.94193	17 57 25.430	-18 37 38.89	17.1 R	056 – Skalnate Pleso	MPC 186024
2025 07 05.94213	17 57 25.49	-18 37 38.6	17.4 V	R45 – Tycho Brahe, Trevinca	MPC 184797
2025 07 05.94572	17 57 25.018	-18 37 39.04	17.2 R	056 – Skalnate Pleso	MPC 186024
2025 07 05.95498	17 57 23.79	-18 37 38.0	18.1 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 184797
2025 07 05.95709	17 57 23.450	-18 37 38.10	17.2 R	056 – Skalnate Pleso	MPC 186024
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2025 07 05.99504	17 57 18.42	-18 37 35.6	18.1 G	104 – San Marcello Pistoiese	MPC 184797
2025 07 06.00085	17 57 17.73	-18 37 33.7	18.2 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 184797
2025 07 06.00606	17 57 16.94	-18 37 34.5	18.5 G	104 – San Marcello Pistoiese	MPC 184797
2025 07 06.02254	17 57 14.84	-18 37 32.8	18.3 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 184797
2025 07 06.04423	17 57 11.99	-18 37 31.5	17.7 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 184797
2025 07 06.06591	17 57 09.08	-18 37 29.9	18.0 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 184797
2025 07 06.16944	17 56 55.38	-18 37 24.1	16.6 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 184797
2025 07 06.18345	17 56 53.52	-18 37 23.2	16.6 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 184797
2025 07 06.19746	17 56 51.68	-18 37 22.2	16.7 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 184797
2025 07 06.21441	17 56 49.40	-18 37 18.7	17.7 r	W84 – Cerro Tololo-DECam	MPC 184797
2025 07 06.21614	17 56 49.17	-18 37 18.6	17.8 r	W84 – Cerro Tololo-DECam	MPC 184797
2025 07 06.21700	17 56 49.06	-18 37 18.5	17.8 r	W84 – Cerro Tololo-DECam	MPC 184797
2025 07 06.26841	17 56 42.20	-18 37 14.9	17.4 r	W84 – Cerro Tololo-DECam	MPC 184797
2025 07 06.338275	17 56 32.914	-18 37 13.59	17.87 r	I41 – Palomar Mountain--ZTF	MPC 186024
2025 07 06.338457	17 56 32.915	-18 37 13.61	17.87 r	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 06.369039	17 56 28.819	-18 37 11.25	17.77 r	I41 – Palomar Mountain--ZTF	MPC 186024
2025 07 06.369230	17 56 28.856	-18 37 11.26	17.77 r	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 06.400822	17 56 24.598	-18 37 09.29	18.52 g	I41 – Palomar Mountain--ZTF	MPC 186024

2025 07 06.401006	17 56 24.600	-18 37 09.30	18.53 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 06.43779	17 56 19.89	-18 37 04.1	17.7 G	Q62 – iTelescope Observatory, Siding Spring	MPC 184797
2025 07 06.45039	17 56 18.20	-18 37 03.1	17.6 G	Q62 – iTelescope Observatory, Siding Spring	MPC 184797
2025 07 06.46300	17 56 16.51	-18 37 02.4	17.7 G	Q62 – iTelescope Observatory, Siding Spring	MPC 184797
2025 07 06.61931	17 55 55.57	-18 36 51.7	16.2 G	Q62 – iTelescope Observatory, Siding Spring	MPC 184797
2025 07 06.62759	17 55 54.45	-18 36 51.2	16.3 G	Q62 – iTelescope Observatory, Siding Spring	MPC 184797
2025 07 06.63586	17 55 53.31	-18 36 50.9	17.1 G	Q62 – iTelescope Observatory, Siding Spring	MPC 184797
2025 07 06.83998	17 55 26.227	-18 36 39.28	18.1 G	L54 – Berthelot Observatory, Hunedoara	MPC 184797
2025 07 06.84479	17 55 25.51	-18 36 39.0	17.3 G	C40 – Kuban State University Astrophysical Observato	MPC 184797
2025 07 06.85369	17 55 24.30	-18 36 38.4	17.4 G	C40 – Kuban State University Astrophysical Observato	MPC 184797
2025 07 06.85527	17 55 24.11	-18 36 38.5	17.4 G	L51 – MARGO, Nauchnyi	MPC 184797
2025 07 06.85814	17 55 23.74	-18 36 38.3	17.5 G	C40 – Kuban State University Astrophysical Observato	MPC 184797
2025 07 06.86076	17 55 23.38	-18 36 38.1	17.4 G	L51 – MARGO, Nauchnyi	MPC 184797
2025 07 06.86259	17 55 23.12	-18 36 38.1	17.4 G	C40 – Kuban State University Astrophysical Observato	MPC 184797
2025 07 06.86602	17 55 22.69	-18 36 38.1	18.5 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 184797
2025 07 06.86648	17 55 22.666	-18 36 37.94	18.2 G	L54 – Berthelot Observatory, Hunedoara	MPC 184797
2025 07 06.86718	17 55 22.52	-18 36 37.7	17.3 G	L51 – MARGO, Nauchnyi	MPC 184797
2025 07 06.86770	17 55 22.48	-18 36 37.4	18.5 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 184797
2025 07 06.87111	17 55 21.977	-18 36 37.45	18.1 G	095 – Crimea-Nauchnyi	MPC 186024
2025 07 06.87150	17 55 21.95	-18 36 37.4	17.5 G	C40 – Kuban State University Astrophysical Observato	MPC 184797
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2025 07 06.88023	17 55 20.76	-18 36 36.4	17.5 G	C40 – Kuban State University Astrophysical Observato	MPC 184798
2025 07 06.88432	17 55 20.23	-18 36 36.0	17.2 G	C40 – Kuban State University Astrophysical Observato	MPC 184798
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2025 07 06.89255	17 55 19.032	-18 36 36.58	18.1 G	L54 – Berthelot Observatory, Hunedoara	MPC 184798
2025 07 06.92443	17 55 14.812	-18 36 33.70	18.1 G	095 – Crimea-Nauchnyi	MPC 186024
2025 07 06.98938	17 55 06.310	-18 36 27.54	16.8 V	X93 – Munhoz Observatory	MPC 184798
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2025 07 07.03854	17 54 59.68	-18 36 23.0	17.6 r	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 07.03898	17 54 59.62	-18 36 23.0	18.1 g	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 07.03983	17 54 59.46	-18 36 23.5	16.9 i	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 07.06029	17 54 56.75	-18 36 21.8	17.9 z	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 07.11300	17 54 49.62	-18 36 18.2	18.2 g	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 07.11385	17 54 49.51	-18 36 18.0	17.3 i	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 07.11426	17 54 49.44	-18 36 17.8	17.6 r	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 07.14885	17 54 44.78	-18 36 15.7	18.0 z	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 07.17199	17 54 41.635	-18 36 13.61	17.9 G	X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 186024
2025 07 07.17297	17 54 41.51	-18 36 13.8	18.3 g	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 07.17383	17 54 41.39	-18 36 13.6	17.5 i	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 07.17428	17 54 41.33	-18 36 13.5	17.7 r	W84 – Cerro Tololo-DECam	MPC 184798

2025 07 07.17963	17 54 40.596	-18 36 13.36	17.2 G	X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 186024
2025 07 07.21653	17 54 35.61	-18 36 10.7	18.1 z	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 07.28893	17 54 25.82	-18 36 05.3	18.2 g	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 07.28980	17 54 25.70	-18 36 05.3	17.4 i	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 07.29022	17 54 25.64	-18 36 05.3	17.8 r	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 07.54044	17 53 52.02	-18 35 47.5	17.9 V	Q62 – iTelescope Observatory, Siding Spring	MPC 184798
2025 07 07.54728	17 53 51.10	-18 35 47.0	17.8 V	Q62 – iTelescope Observatory, Siding Spring	MPC 184798
2025 07 07.55395	17 53 50.20	-18 35 46.4	17.9 V	Q62 – iTelescope Observatory, Siding Spring	MPC 184798
2025 07 07.84491	17 53 10.85	-18 35 27.7	16.9 G	C40 – Kuban State University Astrophysical Observato	MPC 184798
2025 07 07.84809	17 53 10.394	-18 35 27.49	18.1 G	095 – Crimea-Nauchnyi	MPC 186024
2025 07 07.85828	17 53 09.03	-18 35 26.7	16.7 G	C40 – Kuban State University Astrophysical Observato	MPC 184798
2025 07 07.86720	17 53 07.80	-18 35 26.6	17.0 G	C40 – Kuban State University Astrophysical Observato	MPC 184798
2025 07 07.87166	17 53 07.20	-18 35 25.9	16.8 G	C40 – Kuban State University Astrophysical Observato	MPC 184798
2025 07 07.88038	17 53 05.97	-18 35 25.1	16.9 G	C40 – Kuban State University Astrophysical Observato	MPC 184798
2025 07 07.887375	17 53 05.11	-18 35 24.9	17.2 G	958 – Observatoire de Dax	MPC 184798
2025 07 07.89262	17 53 04.33	-18 35 23.9	16.9 G	C40 – Kuban State University Astrophysical Observato	MPC 184798
2025 07 07.90656	17 53 02.432	-18 35 23.12	18.1 G	095 – Crimea-Nauchnyi	MPC 186024
2025 07 07.906936	17 53 02.50	-18 35 23.6	17.8 G	958 – Observatoire de Dax	MPC 184798
2025 07 07.926458	17 52 59.79	-18 35 22.0	16.9 G	958 – Observatoire de Dax	MPC 184798
2025 07 07.940720	17 52 57.82	-18 35 20.2	17.9 G	I93 – St Pardon de Conques	MPC 184798
2025 07 07.946020	17 52 57.12	-18 35 20.6	17.7 G	958 – Observatoire de Dax	MPC 184798
2025 07 07.967550	17 52 54.12	-18 35 19.1	17.3 G	958 – Observatoire de Dax	MPC 184798
2025 07 07.981386	17 52 52.31	-18 35 17.5	18.3 G	I93 – St Pardon de Conques	MPC 184798
2025 07 07.986602	17 52 51.59	-18 35 16.9	18.7 G	I93 – St Pardon de Conques	MPC 184798
2025 07 08.05715	17 52 42.12	-18 35 09.1	17.7 r	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.05759	17 52 42.04	-18 35 09.2	18.4 g	W84 – Cerro Tololo-DECam	MPC 184798
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2025 07 08.05845	17 52 41.94	-18 35 09.1	17.6 i	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.05930	17 52 41.81	-18 35 09.1	18.4 g	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.05974	17 52 41.75	-18 35 09.0	18.0 z	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.06015	17 52 41.70	-18 35 08.9	17.5 i	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.06057	17 52 41.64	-18 35 08.9	17.9 r	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.12862	17 52 32.32	-18 35 03.7	18.2 g	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.12905	17 52 32.25	-18 35 03.7	17.8 z	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.13033	17 52 32.10	-18 35 03.3	18.1 g	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.13075	17 52 32.04	-18 35 03.3	17.4 z	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.13118	17 52 31.98	-18 35 03.5	17.2 i	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.13162	17 52 31.91	-18 35 03.6	17.7 r	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.13205	17 52 31.84	-18 35 03.7	18.4 g	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.13249	17 52 31.79	-18 35 03.6	17.8 z	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.13294	17 52 31.73	-18 35 03.5	17.3 i	W84 – Cerro Tololo-DECam	MPC 184798

2025 07 08.17112	17 52 26.472	-18 35 00.85	17.1 G	X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 186024
2025 07 08.17172	17 52 26.42	-18 35 00.7	17.6 r	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.17215	17 52 26.35	-18 35 00.6	18.5 g	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.17259	17 52 26.29	-18 35 00.5	17.9 z	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.17302	17 52 26.23	-18 35 00.5	17.5 i	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.17388	17 52 26.11	-18 35 00.4	18.3 g	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.17432	17 52 26.04	-18 35 00.3	17.6 z	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.17474	17 52 26.00	-18 34 59.9	16.9 i	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.17518	17 52 25.96	-18 35 00.0	17.4 r	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.17880	17 52 25.406	-18 34 59.45	17.1 G	X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 186024
2025 07 08.18653	17 52 24.38	-18 34 59.4	18.5 g	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.18696	17 52 24.32	-18 34 59.4	18.1 z	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.18738	17 52 24.26	-18 34 59.3	17.6 i	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.18782	17 52 24.19	-18 34 59.4	17.7 r	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.18822	17 52 24.14	-18 34 59.3	18.3 g	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.18864	17 52 24.08	-18 34 59.2	17.7 z	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.18907	17 52 24.02	-18 34 59.2	17.2 i	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.20003	17 52 22.53	-18 34 58.4	18.5 g	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.20044	17 52 22.47	-18 34 58.4	18.0 z	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.20086	17 52 22.40	-18 34 58.4	17.4 i	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.20129	17 52 22.33	-18 34 58.3	17.6 r	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.20172	17 52 22.28	-18 34 58.3	18.3 g	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.20255	17 52 22.20	-18 34 58.1	17.0 i	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.21241	17 52 20.82	-18 34 57.5	17.8 r	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.21283	17 52 20.75	-18 34 57.4	18.3 g	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.21324	17 52 20.71	-18 34 57.4	17.9 z	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.21367	17 52 20.66	-18 34 57.4	17.4 i	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.21453	17 52 20.53	-18 34 57.3	18.3 g	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.21497	17 52 20.47	-18 34 57.2	17.6 z	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.25797	17 52 14.59	-18 34 54.0	18.3 g	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.25839	17 52 14.53	-18 34 53.8	17.9 z	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.25883	17 52 14.46	-18 34 53.8	17.5 i	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.25925	17 52 14.40	-18 34 53.7	17.8 r	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.25968	17 52 14.34	-18 34 53.7	18.3 g	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.26009	17 52 14.27	-18 34 53.5	17.8 z	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.26053	17 52 14.22	-18 34 53.4	17.3 i	W84 – Cerro Tololo-DECam	MPC 184798
2025 07 08.57972	17 51 30.69	-18 34 32.1		349 – Ageo	MPC 184798
2025 07 08.59620	17 51 28.45	-18 34 31.3	16.8 T	349 – Ageo	MPC 184798
2025 07 08.891067	17 50 48.03	-18 34 06.3	17.4 G	958 – Observatoire de Dax	MPC 184798
2025 07 08.911891	17 50 45.15	-18 34 05.9	17.2 G	958 – Observatoire de Dax	MPC 184798
2025 07 08.932656	17 50 42.31	-18 34 04.0	17.1 G	958 – Observatoire de Dax	MPC 184798

2025 07 08.940078	17 50 41.267	-18 34 03.18	18.1 G	586 – Pic du Midi	MPC 184798
2025 07 08.942599	17 50 40.912	-18 34 02.90	17.9 G	586 – Pic du Midi	MPC 184798
2025 07 08.945119	17 50 40.568	-18 34 02.70	17.8 G	586 – Pic du Midi	MPC 184798
2025 07 08.947639	17 50 40.220	-18 34 02.56	17.9 G	586 – Pic du Midi	MPC 184798
2025 07 08.953451	17 50 39.43	-18 34 02.2	17.6 G	958 – Observatoire de Dax	MPC 184798
2025 07 08.974246	17 50 36.60	-18 33 59.7	17.5 G	958 – Observatoire de Dax	MPC 184798
2025 07 09.218551	17 50 02.811	-18 33 37.50	19.1 G	I33 – SOAR, Cerro Pachon	MPC 184798
2025 07 09.231727	17 50 00.981	-18 33 36.39	18.4 G	I33 – SOAR, Cerro Pachon	MPC 184798
2025 07 09.243241	17 49 59.377	-18 33 35.41	18.6 G	I33 – SOAR, Cerro Pachon	MPC 184799
2025 07 09.245739	17 49 59.028	-18 33 35.18	18.6 G	I33 – SOAR, Cerro Pachon	MPC 184799
2025 07 09.59788	17 49 10.34	-18 33 06.7	18.2 g	O40 – Xingyuan, Daocheng	MPC 184799
2025 07 09.62575	17 49 06.53	-18 33 05.7	18.5 g	O40 – Xingyuan, Daocheng	MPC 184799
2025 07 09.64525	17 49 03.92	-18 33 04.3	17.6 g	O40 – Xingyuan, Daocheng	MPC 184799
2025 07 09.66582	17 49 01.05	-18 33 01.3	17.3 g	O40 – Xingyuan, Daocheng	MPC 184799
2025 07 09.68774	17 48 57.71	-18 33 01.5	17.8 g	O40 – Xingyuan, Daocheng	MPC 184799
2025 07 09.79214	17 48 43.39	-18 32 53.1	17.8 G	C40 – Kuban State University Astrophysical Observato	MPC 184799
2025 07 09.80959	17 48 40.99	-18 32 51.9	17.7 G	C40 – Kuban State University Astrophysical Observato	MPC 184799
2025 07 09.82685	17 48 38.61	-18 32 50.3	17.3 G	C40 – Kuban State University Astrophysical Observato	MPC 184799
2025 07 09.879361	17 48 31.32	-18 32 44.4	16.1 G	958 – Observatoire de Dax	MPC 184799
2025 07 09.882212	17 48 30.863	-18 32 44.11	16.3 R	B72 – Soerth Observatory	MPC 184799
2025 07 09.899463	17 48 28.478	-18 32 42.60	16.1 R	B72 – Soerth Observatory	MPC 184799
2025 07 09.909086	17 48 27.12	-18 32 42.1	16.9 G	958 – Observatoire de Dax	MPC 184799
2025 07 09.917771	17 48 25.919	-18 32 41.58	16.3 R	B72 – Soerth Observatory	MPC 184799
2025 07 09.922008	17 48 25.34	-18 32 41.4	16.4 G	958 – Observatoire de Dax	MPC 184799
2025 07 09.937093	17 48 23.23	-18 32 39.7	15.9 G	958 – Observatoire de Dax	MPC 184799
2025 07 09.93857	17 48 22.97	-18 32 39.1	17.4 G	A05 – Belesta	MPC 184799
2025 07 09.94667	17 48 21.82	-18 32 38.5	17.7 G	A05 – Belesta	MPC 184799
2025 07 09.954329	17 48 20.79	-18 32 39.2	16.3 G	958 – Observatoire de Dax	MPC 184799
2025 07 09.95477	17 48 20.69	-18 32 37.8	17.7 G	A05 – Belesta	MPC 184799
2025 07 10.05851	17 48 06.382	-18 32 28.28	18.0 G	X76 – SUN Observatory, Redencao	MPC 184799
2025 07 10.06705	17 48 05.189	-18 32 24.76	18.8 G	X76 – SUN Observatory, Redencao	MPC 184799
2025 07 10.06706	17 48 05.19	-18 32 24.8	18.8 G	X76 – SUN Observatory, Redencao	MPEC N86
2025 07 10.07531	17 48 03.80	-18 32 25.1	17.5 G	X76 – SUN Observatory, Redencao	MPEC N86
2025 07 10.07531	17 48 03.799	-18 32 25.08	17.5 G	X76 – SUN Observatory, Redencao	MPC 184799
2025 07 10.12316	17 47 57.154	-18 32 20.80	17.4 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.12410	17 47 57.010	-18 32 20.40	17.7 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.12505	17 47 56.926	-18 32 20.51	17.7 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.12598	17 47 56.784	-18 32 20.40	17.7 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.12692	17 47 56.638	-18 32 20.26	17.8 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.12787	17 47 56.513	-18 32 20.69	17.8 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.12882	17 47 56.352	-18 32 20.18	17.5 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024

2025 07 10.12976	17 47 56.278	-18 32 20.22	17.5 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.13534	17 47 55.462	-18 32 19.82	18.1 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.13628	17 47 55.330	-18 32 19.46	18.0 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.13722	17 47 55.186	-18 32 19.79	17.8 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.13816	17 47 55.066	-18 32 19.43	17.9 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.13911	17 47 54.926	-18 32 19.25	17.7 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.14005	17 47 54.818	-18 32 19.36	17.9 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.14100	17 47 54.708	-18 32 18.71	17.8 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.14288	17 47 54.415	-18 32 18.78		874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.14477	17 47 54.168	-18 32 18.85	17.7 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.14571	17 47 54.041	-18 32 18.24	18.0 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.14666	17 47 53.899	-18 32 18.92	18.0 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.14759	17 47 53.753	-18 32 18.74	17.8 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.14853	17 47 53.638	-18 32 17.88	17.6 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.14948	17 47 53.494	-18 32 18.56	17.6 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.15042	17 47 53.374	-18 32 18.28	17.7 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.15137	17 47 53.208	-18 32 18.20	17.6 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.15230	17 47 53.078	-18 32 17.84	17.7 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.15325	17 47 52.968	-18 32 18.49	17.9 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.15419	17 47 52.826	-18 32 18.17	17.6 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.15514	17 47 52.709	-18 32 17.84	17.5 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.15608	17 47 52.531	-18 32 17.95	17.6 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.15703	17 47 52.447	-18 32 17.81	17.5 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.15796	17 47 52.286	-18 32 17.77	17.9 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.15891	17 47 52.150	-18 32 17.99	18.1 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.15985	17 47 51.994	-18 32 17.41	17.9 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.16080	17 47 51.895	-18 32 17.48	17.6 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.16174	17 47 51.742	-18 32 17.30	18.1 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.16269	17 47 51.626	-18 32 17.16	17.8 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.16363	17 47 51.466	-18 32 17.20	17.5 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.16457	17 47 51.377	-18 32 17.34	18.0 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.19153	17 47 47.604	-18 32 14.24	17.9 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.19328	17 47 47.366	-18 32 14.89	18.1 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.19502	17 47 47.033	-18 32 13.81	17.2 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.19678	17 47 46.819	-18 32 13.78	17.3 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.19853	17 47 46.627	-18 32 13.78	18.1 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.20029	17 47 46.298	-18 32 13.70	17.6 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.20204	17 47 46.082	-18 32 14.03	18.1 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.20380	17 47 45.804	-18 32 13.34	18.0 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.20554	17 47 45.581	-18 32 13.27	17.5 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.20730	17 47 45.401	-18 32 14.57		874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024

2025 07 10.20905	17 47 45.235	-18 32 12.16		874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.21080	17 47 44.906	-18 32 12.66	18.2 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.21256	17 47 44.590	-18 32 12.41	18.0 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.21431	17 47 44.393	-18 32 12.16	17.8 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.21606	17 47 44.016	-18 32 11.90		874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.21781	17 47 44.016	-18 32 11.90		874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.21837	17 47 43.898	-18 32 15.18	18.3 R	H36 – Sandlot Observatory, Scranton	MPC 184799
2025 07 10.21956	17 47 43.750	-18 32 11.72	17.6 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.22132	17 47 43.442	-18 32 11.36	18.2 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.22307	17 47 43.121	-18 32 11.76	17.6 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186024
2025 07 10.22483	17 47 42.893	-18 32 10.93	18.1 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186025
2025 07 10.22657	17 47 42.679	-18 32 11.62	17.8 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186025
2025 07 10.22833	17 47 42.437	-18 32 12.77		874 – Observatorio do Pico dos Dias, Itajuba	MPC 186025
2025 07 10.23008	17 47 42.180	-18 32 11.22	17.9 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186025
2025 07 10.23184	17 47 41.940	-18 32 10.50	18.2 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186025
2025 07 10.23359	17 47 41.666	-18 32 11.36	17.0 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186025
2025 07 10.23370	17 47 41.731	-18 32 14.86	17.8 R	H36 – Sandlot Observatory, Scranton	MPC 184799
2025 07 10.23535	17 47 41.441	-18 32 10.79	17.8 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186025
2025 07 10.23709	17 47 41.210	-18 32 10.72	17.3 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186025
2025 07 10.23885	17 47 40.920	-18 32 10.39	17.6 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186025
2025 07 10.24060	17 47 40.730	-18 32 09.02	18.1 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186025
2025 07 10.24235	17 47 40.471	-18 32 09.31	17.4 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186025
2025 07 10.24411	17 47 40.164	-18 32 09.10	17.4 z	874 – Observatorio do Pico dos Dias, Itajuba	MPC 186025
2025 07 10.24586	17 47 39.816	-18 32 08.09		874 – Observatorio do Pico dos Dias, Itajuba	MPC 186025
2025 07 10.278160	17 47 35.471	-18 32 06.48	18.7 G	I33 – SOAR, Cerro Pachon	MPC 184799
2025 07 10.287997	17 47 34.069	-18 32 05.53	18.8 G	I33 – SOAR, Cerro Pachon	MPC 184799
2025 07 10.605349	17 46 49.639	-18 31 38.86	16.4 G	900 – Moriyama	MPC 184799
2025 07 10.60720	17 46 49.55	-18 31 36.8	18.5 g	O40 – Xingyuan, Daocheng	MPC 184799
2025 07 10.612393	17 46 48.600	-18 31 38.68	17.1 G	900 – Moriyama	MPC 184799
2025 07 10.63720	17 46 44.96	-18 31 31.6	18.4 g	O40 – Xingyuan, Daocheng	MPC 184799
2025 07 10.67710	17 46 39.50	-18 31 28.9		O40 – Xingyuan, Daocheng	MPC 184799
2025 07 10.69619	17 46 36.91	-18 31 29.7		O40 – Xingyuan, Daocheng	MPC 184799
2025 07 10.73220	17 46 32.23	-18 31 28.0	17.2 g	O40 – Xingyuan, Daocheng	MPC 184799
2025 07 10.85501	17 46 14.50	-18 31 17.6	17.6 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 186025
2025 07 10.85781	17 46 14.12	-18 31 16.2	17.1 G	C40 – Kuban State University Astrophysical Observato	MPC 186025
2025 07 10.87490	17 46 11.82	-18 31 15.2	17.4 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 186025
2025 07 10.87524	17 46 11.64	-18 31 14.7	17.1 G	C40 – Kuban State University Astrophysical Observato	MPC 186025
2025 07 10.880612	17 46 11.00	-18 31 14.7	17.5 G	958 – Observatoire de Dax	MPC 184799
2025 07 10.89249	17 46 09.21	-18 31 13.8	16.7 G	C40 – Kuban State University Astrophysical Observato	MPC 186025
2025 07 10.892713	17 46 09.264	-18 31 13.34	17.4 R	B72 – Soerth Observatory	MPC 184799
2025 07 10.89623	17 46 08.81	-18 31 13.7	17.5 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 186025

2025 07 10.897895	17 46 08.56	-18 31 12.9	16.6 G	958 – Observatoire de Dax	MPC 184799
2025 07 10.915186	17 46 06.13	-18 31 12.4		958 – Observatoire de Dax	MPC 184799
2025 07 10.921758	17 46 05.156	-18 31 11.13	16.7 R	B72 – Soerth Observatory	MPC 184799
2025 07 10.932476	17 46 03.66	-18 31 10.0	17.0 G	958 – Observatoire de Dax	MPC 184799
2025 07 10.949745	17 46 01.20	-18 31 08.3	17.5 G	958 – Observatoire de Dax	MPC 184799
2025 07 10.961655	17 45 59.521	-18 31 07.30	18.1 G	586 – Pic du Midi	MPC 186025
2025 07 10.971414	17 45 58.127	-18 31 06.26	18.6 G	586 – Pic du Midi	MPC 186025
2025 07 11.191436	17 45 27.075	-18 30 45.04	18.02 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 11.192381	17 45 26.953	-18 30 45.06	18.14 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 11.212364	17 45 24.119	-18 30 43.76	18.10 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 11.220837	17 45 22.884	-18 30 42.69	18.29 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 11.221782	17 45 22.776	-18 30 42.68	18.20 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 11.281590	17 45 14.263	-18 30 37.31	17.51 r	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 11.440800	17 44 51.617	-18 30 20.94	18.28 G	F65 – Haleakala-Faulkes Telescope North	MPC 186025
2025 07 11.442258	17 44 51.413	-18 30 20.88	18.31 G	F65 – Haleakala-Faulkes Telescope North	MPC 186025
2025 07 11.443719	17 44 51.212	-18 30 20.69	18.33 G	F65 – Haleakala-Faulkes Telescope North	MPC 186025
2025 07 11.86362	17 43 51.50	-18 29 40.2	17.3 G	C40 – Kuban State University Astrophysical Observato	MPC 186025
2025 07 11.873409	17 43 50.14	-18 29 39.4	16.4 R	M50 – Virtual Telescope Project, Manciano	MPC 186025
2025 07 11.878465	17 43 49.41	-18 29 38.3	16.9 R	M50 – Virtual Telescope Project, Manciano	MPC 186025
2025 07 11.88107	17 43 49.02	-18 29 38.8	17.3 G	C40 – Kuban State University Astrophysical Observato	MPC 186025
2025 07 11.89833	17 43 46.57	-18 29 36.7	17.1 G	C40 – Kuban State University Astrophysical Observato	MPC 186025
2025 07 11.91795	17 43 43.733	-18 29 34.62	17.6 R	C23 – Olmen	MPC 186025
2025 07 11.92648	17 43 42.52	-18 29 33.8	17.9 G	K83 – Osservatorio Astronomico Beppe Forti, Montelupo	MPC 186025
2025 07 11.92806	17 43 42.310	-18 29 34.15	24.1 R	C23 – Olmen	MPC 186025
2025 07 11.93240	17 43 41.64	-18 29 33.1	17.8 G	K83 – Osservatorio Astronomico Beppe Forti, Montelupo	MPC 186025
2025 07 11.93807	17 43 40.85	-18 29 33.0	17.4 G	K83 – Osservatorio Astronomico Beppe Forti, Montelupo	MPC 186025
2025 07 11.93891	17 43 40.788	-18 29 32.42	16.4 R	C23 – Olmen	MPC 186025
2025 07 11.939238	17 43 40.730	-18 29 32.53	18.6 G	J95 – Great Shefford	MPC 186025
2025 07 11.967150	17 43 36.864	-18 29 27.77		W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186025
2025 07 11.970697	17 43 36.375	-18 29 27.34	16.1 V	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186025
2025 07 11.974950	17 43 35.765	-18 29 26.90	16.4 V	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186025
2025 07 11.991229	17 43 33.431	-18 29 25.16	16.8 g	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186025
2025 07 11.994766	17 43 32.912	-18 29 24.32	17.9 g	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186025
2025 07 11.998118	17 43 32.417	-18 29 23.63	17.8 g	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186025
2025 07 11.998846	17 43 32.174	-18 29 26.81	18.8 G	J95 – Great Shefford	MPC 186025
2025 07 12.002613	17 43 31.795	-18 29 22.88	16.8 r	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186025
2025 07 12.005636	17 43 31.181	-18 29 26.05	18.3 G	J95 – Great Shefford	MPC 186025
2025 07 12.006338	17 43 31.272	-18 29 23.01	17.1 r	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186025
2025 07 12.009877	17 43 30.738	-18 29 23.04	16.6 r	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186025
2025 07 12.013630	17 43 30.192	-18 29 22.13	16.8 i	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186025
2025 07 12.01578	17 43 29.974	-18 29 22.45	16.9 G	X76 – SUN Observatory, Redencao	MPC 186025

2025 07 12.01635	17 43 29.815	-18 29 22.99	17.4 G	X76 – SUN Observatory, Redencao	MPC 186025
2025 07 12.017168	17 43 29.667	-18 29 21.80	17.2 i	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186025
2025 07 12.017532	17 43 29.494	-18 29 25.08	18.1 G	J95 – Great Shefford	MPC 186025
2025 07 12.020520	17 43 29.193	-18 29 21.98	17.3 i	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186025
2025 07 12.021689	17 43 28.882	-18 29 24.54	18.8 G	J95 – Great Shefford	MPC 186025
2025 07 12.02502	17 43 28.546	-18 29 22.06	17.0 G	X76 – SUN Observatory, Redencao	MPC 186025
2025 07 12.02531	17 43 28.418	-18 29 22.16	17.2 G	X76 – SUN Observatory, Redencao	MPC 186025
2025 07 12.03398	17 43 27.250	-18 29 23.14	17.9 G	X76 – SUN Observatory, Redencao	MPC 186025
2025 07 12.03398	17 43 27.290	-18 29 21.80	17.4 G	X76 – SUN Observatory, Redencao	MPEC 005
2025 07 12.155052	17 43 09.840	-18 29 08.56	17.62 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186025
2025 07 12.158220	17 43 09.396	-18 29 07.98	17.59 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186025
2025 07 12.164189	17 43 08.515	-18 29 07.33	17.27 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186025
2025 07 12.189372	17 43 04.874	-18 29 04.88	17.33 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186025
2025 07 12.194355	17 43 04.259	-18 29 06.83	18.26 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 12.195296	17 43 04.189	-18 29 07.32	18.26 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 12.196710	17 43 03.927	-18 29 07.06	18.18 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 12.212729	17 43 01.631	-18 29 04.64	18.71 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 12.354895	17 42 41.250	-18 28 50.17	18.15 G	F65 – Haleakala-Faulkes Telescope North	MPC 186025
2025 07 12.355571	17 42 41.150	-18 28 50.08	18.21 G	F65 – Haleakala-Faulkes Telescope North	MPC 186025
2025 07 12.356247	17 42 41.051	-18 28 50.08	18.05 G	F65 – Haleakala-Faulkes Telescope North	MPC 186025
2025 07 12.356922	17 42 40.957	-18 28 50.04	18.16 G	F65 – Haleakala-Faulkes Telescope North	MPC 186025
2025 07 12.49711	17 42 20.81	-18 28 33.0	17.1 G	Q62 – iTelescope Observatory, Siding Spring	MPC 186025
2025 07 12.51658	17 42 17.99	-18 28 31.2	17.2 G	Q62 – iTelescope Observatory, Siding Spring	MPC 186025
2025 07 12.52204	17 42 17.18	-18 28 30.2	17.4 G	Q62 – iTelescope Observatory, Siding Spring	MPC 186025
2025 07 12.52775	17 42 16.38	-18 28 29.9	17.2 G	Q62 – iTelescope Observatory, Siding Spring	MPC 186025
2025 07 12.69698	17 41 52.075	-18 28 15.42	16.1 G	N42 – Tien-Shan Astronomical Observatory	MPC 186025
2025 07 12.70008	17 41 51.588	-18 28 14.77	16.5 G	N42 – Tien-Shan Astronomical Observatory	MPC 186025
2025 07 12.70280	17 41 51.187	-18 28 14.81	17.3 G	N42 – Tien-Shan Astronomical Observatory	MPC 186025
2025 07 12.81875	17 41 34.47	-18 28 02.3	17.0 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 186025
2025 07 12.83424	17 41 32.30	-18 28 00.8	16.6 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 186025
2025 07 12.84933	17 41 30.16	-18 27 59.4	17.6 G	C40 – Kuban State University Astrophysical Observato	MPC 186025
2025 07 12.86678	17 41 27.61	-18 27 56.6	17.7 G	C40 – Kuban State University Astrophysical Observato	MPC 186025
2025 07 12.88350	17 41 25.085	-18 27 52.70	17.8 G	L69 – LaCaille Observatory, Pretoria	MPC 186025
2025 07 12.88405	17 41 25.10	-18 27 54.7	17.6 G	C40 – Kuban State University Astrophysical Observato	MPC 186025
2025 07 12.89106	17 41 24.050	-18 27 54.40	15.8 G	D63 – G. Pascoli Observatory, Barga (since June 2023)	MPC 186025
2025 07 12.89679	17 41 23.131	-18 27 51.37	18.0 G	L69 – LaCaille Observatory, Pretoria	MPC 186025
2025 07 12.89853	17 41 23.030	-18 27 53.64	16.1 G	D63 – G. Pascoli Observatory, Barga (since June 2023)	MPC 186025
2025 07 12.90457	17 41 22.14	-18 27 53.3	17.0 G	L16 – Stardreams Observatory, Valenii de Munte	MPC 187161
2025 07 12.910715	17 41 21.415	-18 27 50.36	17.2 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186025
2025 07 12.91135	17 41 21.067	-18 27 49.82	17.0 G	L69 – LaCaille Observatory, Pretoria	MPC 186025
2025 07 12.91325	17 41 20.85	-18 27 51.7	16.9 G	L16 – Stardreams Observatory, Valenii de Munte	MPC 187161

2025 07 12.915612	17 41 20.654	-18 27 49.36	15.6 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186025
2025 07 12.920497	17 41 19.974	-18 27 49.19	16.0 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186025
2025 07 12.925669	17 41 19.210	-18 27 47.85	16.0 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186025
2025 07 12.932102	17 41 18.16	-18 27 49.8	17.3 G	958 – Observatoire de Dax	MPC 186025
2025 07 12.978330	17 41 11.42	-18 27 45.5	17.2 G	958 – Observatoire de Dax	MPC 186025
2025 07 12.98616	17 41 10.45	-18 27 41.2	17.7 T	X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 186025
2025 07 12.99123	17 41 09.71	-18 27 41.1		X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 186025
2025 07 13.020573	17 41 05.474	-18 27 37.74	18.1 g	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186025
2025 07 13.023453	17 41 05.034	-18 27 37.55	18.1 g	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186025
2025 07 13.024485	17 41 04.70	-18 27 40.5	17.9 G	958 – Observatoire de Dax	MPC 186025
2025 07 13.026332	17 41 04.613	-18 27 37.36	17.7 g	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186025
2025 07 13.031038	17 41 03.934	-18 27 37.58	17.7 r	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186025
2025 07 13.034638	17 41 03.376	-18 27 36.73	17.8 r	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186025
2025 07 13.038237	17 41 02.840	-18 27 36.16	17.6 r	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186025
2025 07 13.041866	17 41 02.355	-18 27 36.19	17.0 i	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186025
2025 07 13.045465	17 41 01.818	-18 27 35.97	17.8 i	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186025
2025 07 13.049066	17 41 01.281	-18 27 34.78	17.1 i	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186025
2025 07 13.052716	17 41 00.809	-18 27 34.26	17.8 V	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186025
2025 07 13.056317	17 41 00.253	-18 27 34.20	18.1 V	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186025
2025 07 13.059918	17 40 59.715	-18 27 34.42	18.1 V	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186025
2025 07 13.189102	17 40 41.027	-18 27 22.80	18.17 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 13.190141	17 40 40.856	-18 27 22.64	18.11 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 13.290143	17 40 26.279	-18 27 11.36	17.43 r	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 13.54385	17 39 49.50	-18 26 44.0		Q23 – Sukagawa	MPC 186025
2025 07 13.55623	17 39 47.68	-18 26 42.5	16.9 T	Q23 – Sukagawa	MPC 186025
2025 07 13.84823	17 39 05.14	-18 26 10.2	17.5 G	M45 – Starhopper Observatory, Sfantu Gheorghe	MPC 186025
2025 07 13.85338	17 39 04.37	-18 26 09.6	16.9 G	A71 – Stixendorf	MPC 186026
2025 07 13.85352	17 39 04.34	-18 26 09.0	16.9 G	M45 – Starhopper Observatory, Sfantu Gheorghe	MPC 186026
2025 07 13.85591	17 39 03.960	-18 26 09.89	17.1 V	M38 – Harsona Observatory, Nyiregyhaza	MPC 186026
2025 07 13.85641	17 39 03.84	-18 26 10.3	17.1 G	C40 – Kuban State University Astrophysical Observato	MPC 186026
2025 07 13.857716	17 39 03.77	-18 26 09.1	17.4 R	M50 – Virtual Telescope Project, Manciano	MPC 186026
2025 07 13.859475	17 39 03.48	-18 26 08.3	17.5 G	G17 – BAS Observatory, Scandicci	MPC 186026
2025 07 13.86272	17 39 02.98	-18 26 08.0	17.4 G	A71 – Stixendorf	MPC 186026
2025 07 13.863506	17 39 02.90	-18 26 08.0	17.0 R	M50 – Virtual Telescope Project, Manciano	MPC 186026
2025 07 13.86411	17 39 02.80	-18 26 07.9		M45 – Starhopper Observatory, Sfantu Gheorghe	MPC 186026
2025 07 13.86528	17 39 02.563	-18 26 08.41	16.4 G	A92 – Urseanu Observatory, Bucharest	MPC 186026
2025 07 13.86772	17 39 02.263	-18 26 07.84	17.4 V	M38 – Harsona Observatory, Nyiregyhaza	MPC 186026
2025 07 13.86923	17 39 02.03	-18 26 07.3	18.1 G	M45 – Starhopper Observatory, Sfantu Gheorghe	MPC 186026
2025 07 13.87140	17 39 01.71	-18 26 06.7	16.7 G	A71 – Stixendorf	MPC 186026
2025 07 13.87386	17 39 01.31	-18 26 07.3	17.2 G	C40 – Kuban State University Astrophysical Observato	MPC 186026
2025 07 13.874357	17 39 01.32	-18 26 06.2	17.8 G	G17 – BAS Observatory, Scandicci	MPC 186026

2025 07 13.875412	17 39 01.138	-18 26 04.74	16.7 G	D49 – L'Ametlla de Mar	MPC 186026
2025 07 13.87746	17 39 00.86	-18 26 05.9	16.7 R	A77 – Observatoire Chante-Perdrix, Dauban	MPC 186026
2025 07 13.87843	17 39 00.69	-18 26 06.8	17.7 G	M45 – Starhopper Observatory, Sfantu Gheorghe	MPC 186026
2025 07 13.88070	17 39 00.41	-18 26 05.1	17.4 R	A77 – Observatoire Chante-Perdrix, Dauban	MPC 186026
2025 07 13.88317	17 38 59.998	-18 26 05.78	16.3 G	A92 – Urseanu Observatory, Bucharest	MPC 186026
2025 07 13.88388	17 38 59.914	-18 26 05.71	17.6 r	232 – Masquefa Observatory	MPC 186026
2025 07 13.88394	17 38 59.88	-18 26 05.5	16.5 R	A77 – Observatoire Chante-Perdrix, Dauban	MPC 186026
2025 07 13.888619	17 38 59.268	-18 26 05.52	16.4 R	B72 – Soerth Observatory	MPC 186026
2025 07 13.889275	17 38 59.12	-18 26 05.3	17.7 G	G17 – BAS Observatory, Scandicci	MPC 186026
2025 07 13.88947	17 38 59.208	-18 26 02.76	17.3 G	L54 – Berthelot Observatory, Hunedoara	MPC 186026
2025 07 13.891092	17 38 58.92	-18 26 04.7	16.9 G	958 – Observatoire de Dax	MPC 186026
2025 07 13.89112	17 38 58.80	-18 26 04.8	17.0 G	C40 – Kuban State University Astrophysical Observato	MPC 186026
2025 07 13.89148	17 38 58.814	-18 26 04.56	17.5 r	213 – Observatorio Montcabre	MPC 186026
2025 07 13.904102	17 38 57.055	-18 26 03.37	16.5 G	D49 – L'Ametlla de Mar	MPC 186026
2025 07 13.90894	17 38 56.249	-18 26 02.87	16.1 G	A92 – Urseanu Observatory, Bucharest	MPC 186026
2025 07 13.909999	17 38 56.092	-18 26 03.27	16.6 R	B72 – Soerth Observatory	MPC 186026
2025 07 13.911477	17 38 55.910	-18 26 02.98	18.2 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 186026
2025 07 13.91751	17 38 54.986	-18 26 01.79	17.5 r	232 – Masquefa Observatory	MPC 186026
2025 07 13.920535	17 38 54.542	-18 26 01.91	17.4 R	B72 – Soerth Observatory	MPC 186026
2025 07 13.921983	17 38 54.346	-18 26 01.57	18.0 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 186026
2025 07 13.92242	17 38 54.264	-18 26 01.25	17.5 r	213 – Observatorio Montcabre	MPC 186026
2025 07 13.92447	17 38 53.957	-18 26 00.92	19.9 R	C23 – Olmen	MPC 186026
2025 07 13.929800	17 38 53.21	-18 26 00.7	16.8 G	958 – Observatoire de Dax	MPC 186026
2025 07 13.932486	17 38 52.800	-18 26 00.31	17.8 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 186026
2025 07 13.95064	17 38 50.114	-18 25 58.19	17.4 r	232 – Masquefa Observatory	MPC 186026
2025 07 13.95338	17 38 49.699	-18 25 58.04	17.3 r	213 – Observatorio Montcabre	MPC 186026
2025 07 13.964383	17 38 48.13	-18 25 56.7	17.1 G	958 – Observatoire de Dax	MPC 186026
2025 07 13.96850	17 38 47.434	-18 25 56.93	17.2 R	C23 – Olmen	MPC 186026
2025 07 13.97785	17 38 46.166	-18 25 55.31	16.0 R	C23 – Olmen	MPC 186026
2025 07 14.004557	17 38 42.376	-18 25 49.50	17.6 g	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186026
2025 07 14.008297	17 38 41.838	-18 25 48.96	18.3 g	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186026
2025 07 14.012027	17 38 41.301	-18 25 48.74	18.2 g	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186026
2025 07 14.015784	17 38 40.723	-18 25 48.35	17.3 r	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186026
2025 07 14.019512	17 38 40.172	-18 25 47.72	17.7 r	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186026
2025 07 14.020781	17 38 39.908	-18 25 47.42	17.3 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186026
2025 07 14.023242	17 38 39.638	-18 25 47.49	17.7 r	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186026
2025 07 14.026997	17 38 39.086	-18 25 46.83	17.2 i	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186026
2025 07 14.030720	17 38 38.533	-18 25 46.65	16.3 i	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186026
2025 07 14.034444	17 38 37.989	-18 25 45.92	17.7 i	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186026
2025 07 14.037818	17 38 37.415	-18 25 46.02	18.2 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186026
2025 07 14.054822	17 38 34.896	-18 25 43.60		Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186026

2025 07 14.071834	17 38 32.410	-18 25 42.21	18.0 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186026
2025 07 14.197097	17 38 13.999	-18 25 27.34	17.51 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186026
2025 07 14.198494	17 38 13.807	-18 25 26.90	17.48 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186026
2025 07 14.200367	17 38 13.553	-18 25 26.54	17.37 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186026
2025 07 14.20390	17 38 13.085	-18 25 29.21	18.0 R	H36 – Sandlot Observatory, Scranton	MPC 186026
2025 07 14.204321	17 38 12.910	-18 25 26.22	17.39 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186026
2025 07 14.206223	17 38 12.674	-18 25 25.86	17.34 o	W68 – ATLAS Chile, Rio Hurtado	MPC 186026
2025 07 14.20962	17 38 12.252	-18 25 28.56	18.4 R	H36 – Sandlot Observatory, Scranton	MPC 186026
2025 07 14.21535	17 38 11.422	-18 25 28.13	18.1 R	H36 – Sandlot Observatory, Scranton	MPC 186026
2025 07 14.66668	17 37 05.15	-18 24 34.0	18.8 g	O40 – Xingyuan, Daocheng	MPC 186026
2025 07 14.68766	17 37 01.96	-18 24 31.3	17.8 g	O40 – Xingyuan, Daocheng	MPC 186026
2025 07 14.71190	17 36 58.31	-18 24 28.5	18.4 g	O40 – Xingyuan, Daocheng	MPC 186026
2025 07 14.730966	17 36 55.810	-18 24 24.70	18.0 V	M49 – IAS Remote Observatory, Hakos	MPC 186026
2025 07 14.74495	17 36 53.49	-18 24 24.7	17.5 g	O40 – Xingyuan, Daocheng	MPC 186026
2025 07 14.745161	17 36 53.710	-18 24 22.94	18.2 V	M49 – IAS Remote Observatory, Hakos	MPC 186026
2025 07 14.75985	17 36 51.52	-18 24 20.7	16.3 G	194 – Tivoli	MPC 186026
2025 07 14.759924	17 36 51.521	-18 24 21.75	17.5 V	M49 – IAS Remote Observatory, Hakos	MPC 186026
2025 07 14.76289	17 36 51.05	-18 24 20.5	16.6 G	194 – Tivoli	MPC 186026
2025 07 14.76594	17 36 50.65	-18 24 20.0	17.0 G	194 – Tivoli	MPC 186026
2025 07 14.76899	17 36 50.19	-18 24 20.5	17.3 G	194 – Tivoli	MPC 186026
2025 07 14.779087	17 36 48.669	-18 24 19.50	17.7 V	M49 – IAS Remote Observatory, Hakos	MPC 186026
2025 07 14.793280	17 36 46.587	-18 24 17.94	17.4 V	M49 – IAS Remote Observatory, Hakos	MPC 186026
2025 07 14.808044	17 36 44.382	-18 24 15.84	17.6 V	M49 – IAS Remote Observatory, Hakos	MPC 186026
2025 07 14.826609	17 36 41.632	-18 24 13.67	17.6 V	M49 – IAS Remote Observatory, Hakos	MPC 186026
2025 07 14.832373	17 36 40.774	-18 24 12.48	18.11 G	K92 – Sutherland-LCO B	MPC 186026
2025 07 14.833446	17 36 40.600	-18 24 12.27	17.99 G	K92 – Sutherland-LCO B	MPC 186026
2025 07 14.835552	17 36 40.305	-18 24 12.26	17.98 G	K92 – Sutherland-LCO B	MPC 186026
2025 07 14.836625	17 36 40.138	-18 24 11.98	18.13 G	K92 – Sutherland-LCO B	MPC 186026
2025 07 14.838735	17 36 39.827	-18 24 11.94	18.05 G	K92 – Sutherland-LCO B	MPC 186026
2025 07 14.840801	17 36 39.507	-18 24 11.84	17.5 V	M49 – IAS Remote Observatory, Hakos	MPC 186026
2025 07 14.855572	17 36 37.320	-18 24 10.36	17.3 V	M49 – IAS Remote Observatory, Hakos	MPC 186026
2025 07 14.86720	17 36 35.736	-18 24 11.09	16.8 G	A77 – Observatoire Chante-Perdrix, Dauban	MPC 186026
2025 07 14.87019	17 36 35.179	-18 24 10.98	17.3 r	I75 – Observatorio Los Caracoles, Castello	MPC 186026
2025 07 14.871838	17 36 34.890	-18 24 10.75	16.9 R	B72 – Soerth Observatory	MPC 186026
2025 07 14.87602	17 36 34.28	-18 24 10.0	16.9 G	K83 – Osservatorio Astronomico Beppe Forti, Montelupo	MPC 186026
2025 07 14.876094	17 36 34.271	-18 24 07.66	17.5 V	M49 – IAS Remote Observatory, Hakos	MPC 186026
2025 07 14.88234	17 36 33.34	-18 24 08.9	16.7 G	K83 – Osservatorio Astronomico Beppe Forti, Montelupo	MPC 186026
2025 07 14.883888	17 36 33.123	-18 24 09.71	17.0 R	B72 – Soerth Observatory	MPC 186026
2025 07 14.88457	17 36 33.017	-18 24 09.11	17.5 G	A77 – Observatoire Chante-Perdrix, Dauban	MPC 186026
2025 07 14.88814	17 36 32.52	-18 24 08.2	17.0 G	K83 – Osservatorio Astronomico Beppe Forti, Montelupo	MPC 186026
2025 07 14.89144	17 36 31.990	-18 24 08.96	17.1 G	Z10 – PGC, Fregenal de la Sierra	MPC 186026

2025 07 14.891497	17 36 31.945	-18 24 05.79	17.3 V	M49 – IAS Remote Observatory, Hakos	MPC 186026
2025 07 14.89594	17 36 31.351	-18 24 07.09	16.4 r	I75 – Observatorio Los Caracoles, Castello	MPC 186026
2025 07 14.897878	17 36 31.080	-18 24 07.35	16.1 R	B72 – Soerth Observatory	MPC 186026
2025 07 14.90256	17 36 30.403	-18 24 06.70	16.6 G	A77 – Observatoire Chante-Perdrix, Dauban	MPC 186026
2025 07 14.90307	17 36 30.314	-18 24 07.31	17.2 G	Z10 – PGC, Fregenal de la Sierra	MPC 186026
2025 07 14.906273	17 36 29.797	-18 24 04.12	17.3 V	M49 – IAS Remote Observatory, Hakos	MPC 186026
2025 07 14.910301	17 36 29.199	-18 24 06.56	16.7 R	B72 – Soerth Observatory	MPC 186026
2025 07 14.915017	17 36 28.506	-18 24 05.45	18.3 G	Z84 – Calar Alto-Schmidt	MPC 186026
2025 07 14.91676	17 36 28.296	-18 24 05.62	17.3 r	213 – Observatorio Montcabre	MPC 186026
2025 07 14.918597	17 36 28.008	-18 24 05.08	17.5 G	Z84 – Calar Alto-Schmidt	MPC 186027
2025 07 14.92088	17 36 27.653	-18 24 05.69	18.2 r	Z09 – Old Orchard Observatory, Fiddington	MPC 186027
2025 07 14.92106	17 36 27.626	-18 24 05.33	17.3 r	I75 – Observatorio Los Caracoles, Castello	MPC 186027
2025 07 14.922516	17 36 27.363	-18 24 02.07	17.7 V	M49 – IAS Remote Observatory, Hakos	MPC 186027
2025 07 14.923728	17 36 27.192	-18 24 01.12	17.44 o	M22 – ATLAS South Africa, Sutherland	MPC 186027
2025 07 14.93212	17 36 26.146	-18 24 05.90	16.9 r	Z09 – Old Orchard Observatory, Fiddington	MPC 186027
2025 07 14.935457	17 36 25.510	-18 24 02.89	17.6 G	Z84 – Calar Alto-Schmidt	MPC 186027
2025 07 14.936727	17 36 25.251	-18 24 00.40	17.2 V	M49 – IAS Remote Observatory, Hakos	MPC 186027
2025 07 14.93858	17 36 25.075	-18 24 01.58	16.8 G	J47 – Observatorio Nazaret	MPC 186027
2025 07 14.942795	17 36 24.343	-18 23 58.96	17.58 o	M22 – ATLAS South Africa, Sutherland	MPC 186027
2025 07 14.94419	17 36 24.192	-18 24 01.80	17.0 r	213 – Observatorio Montcabre	MPC 186027
2025 07 14.94462	17 36 24.257	-18 24 03.96	17.6 r	Z09 – Old Orchard Observatory, Fiddington	MPC 186027
2025 07 14.94508	17 36 24.185	-18 24 01.91	16.7 G	J47 – Observatorio Nazaret	MPC 186027
2025 07 14.951495	17 36 23.066	-18 23 58.51	17.5 V	M49 – IAS Remote Observatory, Hakos	MPC 186027
2025 07 14.95586	17 36 22.318	-18 24 00.86	18.3 r	Z09 – Old Orchard Observatory, Fiddington	MPC 186027
2025 07 14.95996	17 36 21.85	-18 24 00.5	16.4 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186027
2025 07 14.96460	17 36 21.17	-18 23 59.8	16.4 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186027
2025 07 14.96479	17 36 21.137	-18 23 58.63	17.6 G	J47 – Observatorio Nazaret	MPC 186027
2025 07 14.96836	17 36 20.568	-18 24 00.40	17.6 r	Z09 – Old Orchard Observatory, Fiddington	MPC 186027
2025 07 14.96925	17 36 20.42	-18 23 58.6	17.0 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186027
2025 07 14.970340	17 36 20.258	-18 23 56.35	17.7 V	M49 – IAS Remote Observatory, Hakos	MPC 186027
2025 07 14.970976	17 36 20.167	-18 23 55.57	17.41 o	M22 – ATLAS South Africa, Sutherland	MPC 186027
2025 07 14.97164	17 36 20.112	-18 23 58.96	16.8 r	213 – Observatorio Montcabre	MPC 186027
2025 07 14.97281	17 36 19.93	-18 23 58.7		Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186027
2025 07 14.97714	17 36 19.33	-18 23 58.1	16.0 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186027
2025 07 14.97959	17 36 18.799	-18 23 58.99	17.1 r	Z09 – Old Orchard Observatory, Fiddington	MPC 186027
2025 07 14.98147	17 36 18.60	-18 23 56.5	15.5 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186027
2025 07 14.984549	17 36 18.152	-18 23 54.59	17.7 V	M49 – IAS Remote Observatory, Hakos	MPC 186027
2025 07 14.98581	17 36 18.00	-18 23 56.7	16.5 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186027
2025 07 14.99015	17 36 17.35	-18 23 56.5		Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186027
2025 07 14.99086	17 36 17.326	-18 23 56.83	17.4 G	J47 – Observatorio Nazaret	MPC 186027
2025 07 14.99448	17 36 16.72	-18 23 55.9	16.9 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186027

2025 07 14.99882	17 36 16.07	-18 23 55.0	16.3 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186027
2025 07 14.999318	17 36 15.941	-18 23 52.69	17.6 V	M49 – IAS Remote Observatory, Hakos	MPC 186027
2025 07 15.00435	17 36 15.473	-18 23 52.51	17.3 G	X76 – SUN Observatory, Redencao	MPC 186027
2025 07 15.01623	17 36 13.615	-18 23 50.42	17.4 G	X76 – SUN Observatory, Redencao	MPC 186027
2025 07 15.018258	17 36 13.137	-18 23 50.14	17.5 V	M49 – IAS Remote Observatory, Hakos	MPC 186027
2025 07 15.02748	17 36 11.911	-18 23 49.78	16.8 G	X76 – SUN Observatory, Redencao	MPC 186027
2025 07 15.032468	17 36 11.029	-18 23 48.21	18.3 V	M49 – IAS Remote Observatory, Hakos	MPC 186027
2025 07 15.03524	17 36 10.70	-18 23 49.4	15.2 V	X33 – OARU, Manaus	MPC 186027
2025 07 15.047248	17 36 08.843	-18 23 46.58	17.0 V	M49 – IAS Remote Observatory, Hakos	MPC 186027
2025 07 15.05133	17 36 08.47	-18 23 49.6	15.3 V	X33 – OARU, Manaus	MPC 186027
2025 07 15.056803	17 36 07.675	-18 23 45.74	18.5 G	309 – Cerro Paranal	MPC 186027
2025 07 15.066864	17 36 06.176	-18 23 44.52	18.7 G	309 – Cerro Paranal	MPC 186027
2025 07 15.071086	17 36 05.350	-18 23 43.51	16.98 o	M22 – ATLAS South Africa, Sutherland	MPC 186027
2025 07 15.07183	17 36 05.39	-18 23 45.2	15.3 V	X33 – OARU, Manaus	MPC 186027
2025 07 15.073370	17 36 04.985	-18 23 42.61	17.63 o	M22 – ATLAS South Africa, Sutherland	MPC 186027
2025 07 15.094958	17 36 01.992	-18 23 41.16	18.8 G	309 – Cerro Paranal	MPC 186027
2025 07 15.13968	17 35 55.36	-18 23 37.4	17.1 V	V38 – McDonald Observatory-LCO ELP Aqawan A #1	MPC 186027
2025 07 15.18602	17 35 48.442	-18 23 32.64	16.4 G	H23 – Pear Tree Observatory, Valparaiso	MPC 186027
2025 07 15.192059	17 35 47.569	-18 23 31.76	18.15 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 15.193001	17 35 47.479	-18 23 31.86	18.02 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 15.19529	17 35 47.011	-18 23 31.70	16.9 G	H23 – Pear Tree Observatory, Valparaiso	MPC 186027
2025 07 15.20456	17 35 45.602	-18 23 30.30	16.2 G	H23 – Pear Tree Observatory, Valparaiso	MPC 186027
2025 07 15.274928	17 35 35.313	-18 23 21.54	17.57 r	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 15.29365	17 35 32.60	-18 23 19.4	17.2 V	V38 – McDonald Observatory-LCO ELP Aqawan A #1	MPC 186027
2025 07 15.48697	17 35 03.88	-18 22 54.7	16.9 V	P87 – Hirao Observatory, Yamaguchi	MPC 186027
2025 07 15.49044	17 35 03.46	-18 22 53.2		P87 – Hirao Observatory, Yamaguchi	MPC 186027
2025 07 15.51109	17 35 00.33	-18 22 53.0	18.0 T	903 – Fukuchiyama and Kannabe	MPC 186027
2025 07 15.51596	17 34 59.55	-18 22 52.3		903 – Fukuchiyama and Kannabe	MPC 186027
2025 07 15.52869	17 34 57.64	-18 22 49.8		903 – Fukuchiyama and Kannabe	MPC 186027
2025 07 15.555585	17 34 53.635	-18 22 46.85	17.5 G	900 – Moriyama	MPC 186027
2025 07 15.566152	17 34 52.039	-18 22 45.01	17.2 G	900 – Moriyama	MPC 186027
2025 07 15.74072	17 34 26.25	-18 22 20.6	17.1 G	194 – Tivoli	MPC 186027
2025 07 15.74383	17 34 25.83	-18 22 20.2	17.6 G	194 – Tivoli	MPC 186027
2025 07 15.75006	17 34 24.86	-18 22 20.3	17.1 G	194 – Tivoli	MPC 186027
2025 07 15.75320	17 34 24.35	-18 22 19.5	17.6 G	194 – Tivoli	MPC 186027
2025 07 15.75625	17 34 23.92	-18 22 19.0	17.9 G	194 – Tivoli	MPC 186027
2025 07 15.85118	17 34 09.84	-18 22 08.4	17.0 R	R95 – Fiammetta Observatory, La Spezia	MPC 186027
2025 07 15.86605	17 34 07.45	-18 22 07.2	17.0 R	R95 – Fiammetta Observatory, La Spezia	MPC 186027
2025 07 15.88090	17 34 05.24	-18 22 06.4	17.0 R	R95 – Fiammetta Observatory, La Spezia	MPC 186027
2025 07 15.88162	17 34 05.148	-18 22 05.99	16.6 R	232 – Masquefa Observatory	MPC 186027
2025 07 15.883372	17 34 04.812	-18 22 04.91	16.8 G	D49 – L'Ametlla de Mar	MPC 186027

2025 07 15.88483	17 34 04.685	-18 22 05.41	16.8 r	213 – Observatorio Montcabre	MPC 186027
2025 07 15.901426	17 34 02.225	-18 22 04.48	15.8 G	D49 – L'Ametlla de Mar	MPC 186027
2025 07 15.91769	17 33 59.63	-18 22 01.6	17.3 G	C40 – Kuban State University Astrophysical Observato	MPC 186027
2025 07 15.92318	17 33 58.918	-18 21 59.98	17.0 r	213 – Observatorio Montcabre	MPC 186027
2025 07 15.92624	17 33 58.478	-18 22 00.23	17.4 R	232 – Masquefa Observatory	MPC 186027
2025 07 15.92771	17 33 58.14	-18 22 00.2	17.3 G	C40 – Kuban State University Astrophysical Observato	MPC 186027
2025 07 15.929614	17 33 57.97	-18 21 59.9	16.9 G	958 – Observatoire de Dax	MPC 186027
2025 07 15.93773	17 33 56.67	-18 21 59.5	17.3 G	C40 – Kuban State University Astrophysical Observato	MPC 186027
2025 07 15.94811	17 33 55.169	-18 21 57.64	16.8 R	232 – Masquefa Observatory	MPC 186027
2025 07 15.949569	17 33 54.98	-18 21 56.9	16.8 G	958 – Observatoire de Dax	MPC 186027
2025 07 15.96095	17 33 53.314	-18 21 55.44	16.3 r	213 – Observatorio Montcabre	MPC 186027
2025 07 15.965798	17 33 52.733	-18 21 52.10	18.4 G	W74 – Danish Telescope, La Silla	MPC 186027
2025 07 15.966833	17 33 52.583	-18 21 51.96	18.2 G	W74 – Danish Telescope, La Silla	MPC 186027
2025 07 15.969396	17 33 52.02	-18 21 55.2	16.9 G	958 – Observatoire de Dax	MPC 186027
2025 07 16.066705	17 33 37.515	-18 21 39.92	16.1 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186027
2025 07 16.06793	17 33 37.42	-18 21 41.5	16.9 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 186027
2025 07 16.073171	17 33 36.476	-18 21 38.41	15.7 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186027
2025 07 16.079575	17 33 35.494	-18 21 37.54	15.8 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186027
2025 07 16.07985	17 33 35.63	-18 21 40.4	16.8 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 186027
2025 07 16.085955	17 33 34.656	-18 21 36.29	16.5 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186027
2025 07 16.09140	17 33 33.89	-18 21 38.9	16.8 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 186027
2025 07 16.19634	17 33 18.132	-18 21 25.60	18.4 V	H36 – Sandlot Observatory, Scranton	MPC 186027
2025 07 16.19920	17 33 17.695	-18 21 24.98	18.0 V	H36 – Sandlot Observatory, Scranton	MPC 186027
2025 07 16.20206	17 33 17.254	-18 21 25.63	17.6 V	H36 – Sandlot Observatory, Scranton	MPC 186027
2025 07 16.211771	17 33 15.869	-18 21 23.14	18.02 g	I41 – Palomar Mountain--ZTF	MPC 186027
2025 07 16.211957	17 33 15.834	-18 21 23.34	18.03 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 16.212708	17 33 15.711	-18 21 23.31	18.02 g	I41 – Palomar Mountain--ZTF	MPC 186027
2025 07 16.212898	17 33 15.736	-18 21 23.26	18.03 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 16.213657	17 33 15.589	-18 21 22.69	18.02 g	I41 – Palomar Mountain--ZTF	MPC 186027
2025 07 16.213840	17 33 15.532	-18 21 23.41	18.01 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 16.214576	17 33 15.367	-18 21 21.56	18.1 V	W63 – Observatorio Astronomico UTP, Pereira	MPC 186027
2025 07 16.232979	17 33 12.559	-18 21 20.59	18.6 V	W63 – Observatorio Astronomico UTP, Pereira	MPC 186027
2025 07 16.275289	17 33 06.305	-18 21 14.65	17.50 r	I41 – Palomar Mountain--ZTF	MPC 186027
2025 07 16.275479	17 33 06.277	-18 21 15.48	17.49 r	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 16.278925	17 33 05.592	-18 21 13.82	18.0 V	W63 – Observatorio Astronomico UTP, Pereira	MPC 186027
2025 07 16.287593	17 33 04.392	-18 21 13.35	17.61 r	I41 – Palomar Mountain--ZTF	MPC 186027
2025 07 16.287774	17 33 04.444	-18 21 13.75	17.57 r	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 16.38900	17 32 49.39	-18 20 57.1	17.1 T	Q62 – iTelescope Observatory, Siding Spring	MPC 186027
2025 07 16.39552	17 32 48.42	-18 20 56.5		Q62 – iTelescope Observatory, Siding Spring	MPC 186027
2025 07 16.40203	17 32 47.44	-18 20 55.6		Q62 – iTelescope Observatory, Siding Spring	MPC 186027
2025 07 16.74066	17 31 56.65	-18 20 10.7		194 – Tivoli	MPC 186027

2025 07 16.74223	17 31 56.44	-18 20 10.6	17.7 G	194 – Tivoli	MPC 186028
2025 07 16.74841	17 31 55.46	-18 20 10.2	16.9 G	194 – Tivoli	MPC 186028
2025 07 16.74998	17 31 55.23	-18 20 09.5	17.0 G	194 – Tivoli	MPC 186028
2025 07 16.75153	17 31 54.99	-18 20 09.4	17.0 G	194 – Tivoli	MPC 186028
2025 07 16.763484	17 31 53.191	-18 20 08.34	17.5 G	M21 – Schiaparelli Southern Observatory, Hakos	MPC 186028
2025 07 16.803387	17 31 47.159	-18 20 02.65		M21 – Schiaparelli Southern Observatory, Hakos	MPC 186028
2025 07 16.81020	17 31 46.079	-18 20 04.48	17.9 G	095 – Crimea-Nauchnyi	MPC 186028
2025 07 16.813453	17 31 45.646	-18 20 01.57		M21 – Schiaparelli Southern Observatory, Hakos	MPC 186028
2025 07 16.821308	17 31 44.468	-18 19 59.85	17.90 G	K91 – Sutherland-LCO A	MPC 186028
2025 07 16.824487	17 31 43.979	-18 19 59.37	17.96 G	K91 – Sutherland-LCO A	MPC 186028
2025 07 16.825560	17 31 43.795	-18 19 59.25	17.93 G	K91 – Sutherland-LCO A	MPC 186028
2025 07 16.827671	17 31 43.490	-18 19 59.04	17.66 G	K91 – Sutherland-LCO A	MPC 186028
2025 07 16.86804	17 31 37.323	-18 19 56.57	17.9 G	095 – Crimea-Nauchnyi	MPC 186028
2025 07 16.873163	17 31 36.61	-18 19 55.8	17.5 G	L06 – Sormano 2 Observatory, Bellagio Via Lattea	MPC 186028
2025 07 16.87885	17 31 35.774	-18 19 55.09	17.1 r	I75 – Observatorio Los Caracoles, Castello	MPC 186028
2025 07 16.881965	17 31 35.28	-18 19 54.4	17.2 G	L06 – Sormano 2 Observatory, Bellagio Via Lattea	MPC 186028
2025 07 16.88580	17 31 34.694	-18 19 53.87	17.8 r	213 – Observatorio Montcabre	MPC 186028
2025 07 16.88959	17 31 34.11	-18 19 53.6	17.4 G	K83 – Osservatorio Astronomico Beppe Forti, Montelupo	MPC 186028
2025 07 16.889591	17 31 34.13	-18 19 54.5	17.4 G	958 – Observatoire de Dax	MPC 186028
2025 07 16.89285	17 31 33.61	-18 19 53.7	17.8 G	K83 – Osservatorio Astronomico Beppe Forti, Montelupo	MPC 186028
2025 07 16.89475	17 31 33.281	-18 19 52.79	16.0 R	C23 – Olmen	MPC 186028
2025 07 16.89575	17 31 33.18	-18 19 53.0	17.2 G	K83 – Osservatorio Astronomico Beppe Forti, Montelupo	MPC 186028
2025 07 16.90319	17 31 32.093	-18 19 52.00	17.1 r	I75 – Observatorio Los Caracoles, Castello	MPC 186028
2025 07 16.90583	17 31 31.75	-18 19 51.9	18.1 V	Y88 – ASERO, Valdin	MPC 186028
2025 07 16.90669	17 31 31.690	-18 19 50.81	17.1 R	C23 – Olmen	MPC 186028
2025 07 16.90791	17 31 31.37	-18 19 51.5	17.8 V	Y88 – ASERO, Valdin	MPC 186028
2025 07 16.91003	17 31 31.025	-18 19 51.64	16.7 R	B96 – Brixiis Observatory, Kruibeke	MPC 186028
2025 07 16.91109	17 31 31.025	-18 19 48.18	16.0 r	Y16 – ROCG, Campos dos Goytacazes	MPC 186028
2025 07 16.91118	17 31 30.886	-18 19 50.88	16.1 R	C23 – Olmen	MPC 186028
2025 07 16.91209	17 31 30.71	-18 19 50.8	17.7 V	Y88 – ASERO, Valdin	MPC 186028
2025 07 16.92022	17 31 29.47	-18 19 49.7	18.3 G	A05 – Belesta	MPC 186028
2025 07 16.92063	17 31 29.45	-18 19 49.6	16.2 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186028
2025 07 16.922244	17 31 29.21	-18 19 49.4	17.0 G	958 – Observatoire de Dax	MPC 186028
2025 07 16.92258	17 31 29.150	-18 19 49.12	17.1 r	213 – Observatorio Montcabre	MPC 186028
2025 07 16.92292	17 31 29.172	-18 19 50.48	16.4 R	B96 – Brixiis Observatory, Kruibeke	MPC 186028
2025 07 16.92385	17 31 28.942	-18 19 48.36	17.4 r	213 – Observatorio Montcabre	MPC 186028
2025 07 16.92496	17 31 28.76	-18 19 48.9	16.2 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186028
2025 07 16.92568	17 31 28.62	-18 19 48.8	17.3 G	A05 – Belesta	MPC 186028
2025 07 16.92788	17 31 28.334	-18 19 48.50	16.8 r	I75 – Observatorio Los Caracoles, Castello	MPC 186028
2025 07 16.92929	17 31 28.13	-18 19 48.4	17.1 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186028
2025 07 16.93093	17 31 27.85	-18 19 48.0	17.8 G	A05 – Belesta	MPC 186028

2025 07 16.93581	17 31 27.156	-18 19 47.35	16.2 R	B96 – Brixiis Observatory, Kruibeke	MPC 186028
2025 07 16.93613	17 31 27.09	-18 19 46.8	17.4 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186028
2025 07 16.93699	17 31 26.94	-18 19 47.7	17.6 R	A05 – Belesta	MPC 186028
2025 07 16.94069	17 31 26.501	-18 19 44.11	18.3 r	Y16 – ROCG, Campos dos Goytacazes	MPC 186028
2025 07 16.94232	17 31 26.13	-18 19 46.6	17.7 R	A05 – Belesta	MPC 186028
2025 07 16.94263	17 31 26.11	-18 19 46.5	17.6 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186028
2025 07 16.94297	17 31 26.04	-18 19 46.7	17.1 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186028
2025 07 16.94716	17 31 25.404	-18 19 45.84	17.3 R	C23 – Olmen	MPC 186028
2025 07 16.94730	17 31 25.40	-18 19 46.1	17.6 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186028
2025 07 16.94744	17 31 25.35	-18 19 46.0	18.0 R	A05 – Belesta	MPC 186028
2025 07 16.94869	17 31 25.190	-18 19 45.95	16.5 R	B96 – Brixiis Observatory, Kruibeke	MPC 186028
2025 07 16.95163	17 31 24.76	-18 19 45.2	17.0 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186028
2025 07 16.953723	17 31 24.44	-18 19 45.1	17.2 G	958 – Observatoire de Dax	MPC 186028
2025 07 16.95513	17 31 24.218	-18 19 44.83	16.4 R	B96 – Brixiis Observatory, Kruibeke	MPC 186028
2025 07 16.95539	17 31 24.218	-18 19 44.44	16.2 R	C23 – Olmen	MPC 186028
2025 07 16.95596	17 31 24.08	-18 19 44.7	17.0 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186028
2025 07 16.96030	17 31 23.43	-18 19 44.2	17.1 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186028
2025 07 16.96139	17 31 23.249	-18 19 43.07	16.1 R	C23 – Olmen	MPC 186028
2025 07 16.96463	17 31 22.82	-18 19 43.7	16.1 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186028
2025 07 16.97028	17 31 22.044	-18 19 40.08	17.3 r	Y16 – ROCG, Campos dos Goytacazes	MPC 186028
2025 07 16.978421	17 31 20.820	-18 19 39.17	16.2 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186028
2025 07 16.984578	17 31 19.864	-18 19 38.32	15.7 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186028
2025 07 16.990325	17 31 18.978	-18 19 38.80	15.5 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186028
2025 07 16.995688	17 31 18.206	-18 19 36.74	15.4 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186028
2025 07 17.053667	17 31 09.488	-18 19 28.84	19.2 G	309 – Cerro Paranal	MPC 186028
2025 07 17.056063	17 31 09.126	-18 19 28.56	18.9 G	309 – Cerro Paranal	MPC 186028
2025 07 17.08674	17 31 04.56	-18 19 25.3	17.7 r	829 – Complejo Astronomico El Leoncito	MPC 187161
2025 07 17.09069	17 31 04.32	-18 19 25.0	17.7 r	829 – Complejo Astronomico El Leoncito	MPC 187161
2025 07 17.09201	17 31 04.08	-18 19 25.0	17.6 r	829 – Complejo Astronomico El Leoncito	MPC 187161
2025 07 17.09823	17 31 02.88	-18 19 23.5	17.5 r	829 – Complejo Astronomico El Leoncito	MPC 187161
2025 07 17.099230	17 31 02.567	-18 19 22.72	19.3 G	309 – Cerro Paranal	MPC 186028
2025 07 17.09995	17 31 02.64	-18 19 23.5	17.5 r	829 – Complejo Astronomico El Leoncito	MPC 187161
2025 07 17.10165	17 31 02.40	-18 19 23.2	17.5 r	829 – Complejo Astronomico El Leoncito	MPC 187161
2025 07 17.108355	17 31 01.179	-18 19 21.43	19.4 G	309 – Cerro Paranal	MPC 186028
2025 07 17.10935	17 31 01.44	-18 19 21.7	17.6 r	829 – Complejo Astronomico El Leoncito	MPC 187161
2025 07 17.11106	17 31 00.96	-18 19 22.1	18.5 r	829 – Complejo Astronomico El Leoncito	MPC 187161
2025 07 17.11447	17 31 00.48	-18 19 21.0	17.9 r	829 – Complejo Astronomico El Leoncito	MPC 187161
2025 07 17.11533	17 31 00.24	-18 19 21.0	17.7 r	829 – Complejo Astronomico El Leoncito	MPC 187161
2025 07 17.11704	17 31 00.24	-18 19 20.3	17.8 r	829 – Complejo Astronomico El Leoncito	MPC 187161
2025 07 17.129918	17 30 57.907	-18 19 18.48	19.2 G	309 – Cerro Paranal	MPC 186028
2025 07 17.13224	17 30 57.53	-18 19 18.6	15.8 G	W94 – MAPS, San Pedro de Atacama	MPC 186028

2025 07 17.13849	17 30 56.54	-18 19 17.8	15.4 G	W94 – MAPS, San Pedro de Atacama	MPC 186028
2025 07 17.14269	17 30 56.16	-18 19 17.4	17.8 r	829 – Complejo Astronomico El Leoncito	MPC 187161
2025 07 17.14441	17 30 55.92	-18 19 17.8	17.8 r	829 – Complejo Astronomico El Leoncito	MPC 187161
2025 07 17.14473	17 30 55.62	-18 19 18.5	15.9 G	W94 – MAPS, San Pedro de Atacama	MPC 186028
2025 07 17.173138	17 30 51.314	-18 19 12.19	17.89 G	W86 – Cerro Tololo-LCO B	MPC 186028
2025 07 17.174218	17 30 51.154	-18 19 12.06	17.96 G	W86 – Cerro Tololo-LCO B	MPC 186028
2025 07 17.176316	17 30 50.840	-18 19 11.77	17.96 G	W86 – Cerro Tololo-LCO B	MPC 186028
2025 07 17.180571	17 30 50.174	-18 19 11.37	18.04 G	W86 – Cerro Tololo-LCO B	MPC 186028
2025 07 17.18185	17 30 50.04	-18 19 13.9	17.94 T	H45 – Arkansas Sky Obs., Petit Jean Mountain South	MPC 186028
2025 07 17.18687	17 30 49.22	-18 19 10.5	17.2 V	X10 – OVTLN, San Pedro de Atacama	MPC 186028
2025 07 17.18805	17 30 49.09	-18 19 13.5	17.79 T	H45 – Arkansas Sky Obs., Petit Jean Mountain South	MPC 186028
2025 07 17.19076	17 30 48.68	-18 19 13.3	18.45 T	H45 – Arkansas Sky Obs., Petit Jean Mountain South	MPC 186028
2025 07 17.19250	17 30 48.35	-18 19 09.8	17.0 V	X10 – OVTLN, San Pedro de Atacama	MPC 186028
2025 07 17.19821	17 30 47.50	-18 19 08.9	17.5 V	X10 – OVTLN, San Pedro de Atacama	MPC 186028
2025 07 17.19829	17 30 47.53	-18 19 12.3	17.72 T	H45 – Arkansas Sky Obs., Petit Jean Mountain South	MPC 186028
2025 07 17.21828	17 30 44.53	-18 19 08.9	17.90 T	H45 – Arkansas Sky Obs., Petit Jean Mountain South	MPC 186028
2025 07 17.226308	17 30 43.318	-18 19 08.35	17.89 g	I41 – Palomar Mountain--ZTF	MPC 186028
2025 07 17.226490	17 30 43.321	-18 19 07.43	17.89 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 17.227245	17 30 43.171	-18 19 08.07	17.94 g	I41 – Palomar Mountain--ZTF	MPC 186028
2025 07 17.227431	17 30 43.213	-18 19 07.65	17.95 g	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 17.24049	17 30 41.196	-18 19 06.31	17.2 G	U94 – iTelescope Observatory, Beryl Junction	MPC 187161
2025 07 17.24302	17 30 40.783	-18 19 05.99	17.1 G	U94 – iTelescope Observatory, Beryl Junction	MPC 187161
2025 07 17.275938	17 30 35.752	-18 19 00.70	17.33 r	I41 – Palomar Mountain--ZTF	MPC 186028
2025 07 17.276126	17 30 35.801	-18 19 01.17	17.33 r	I41 – Palomar Mountain--ZTF	MPC 187161
2025 07 17.27974	17 30 35.11	-18 18 57.6	17.2 V	X10 – OVTLN, San Pedro de Atacama	MPC 186028
2025 07 17.28508	17 30 34.34	-18 18 56.8	17.1 V	X10 – OVTLN, San Pedro de Atacama	MPC 186028
2025 07 17.29040	17 30 33.50	-18 18 55.9		X10 – OVTLN, San Pedro de Atacama	MPC 186028
2025 07 17.590961	17 29 48.091	-18 18 14.27	18.01 G	E10 – Siding Spring-Faulkes Telescope South	MPC 186028
2025 07 17.596397	17 29 47.270	-18 18 13.40	17.86 G	E10 – Siding Spring-Faulkes Telescope South	MPC 186028
2025 07 17.597547	17 29 47.089	-18 18 13.23	17.89 G	E10 – Siding Spring-Faulkes Telescope South	MPC 186028
2025 07 17.598706	17 29 46.909	-18 18 13.25	17.91 G	E10 – Siding Spring-Faulkes Telescope South	MPC 186028
2025 07 17.599866	17 29 46.739	-18 18 12.94	17.92 G	E10 – Siding Spring-Faulkes Telescope South	MPC 186028
2025 07 17.603462	17 29 46.203	-18 18 12.48	17.93 G	E10 – Siding Spring-Faulkes Telescope South	MPC 186028
2025 07 17.604622	17 29 46.016	-18 18 12.37	17.99 G	E10 – Siding Spring-Faulkes Telescope South	MPC 186028
2025 07 17.605780	17 29 45.827	-18 18 12.07	18.03 G	E10 – Siding Spring-Faulkes Telescope South	MPC 186028
2025 07 17.606939	17 29 45.661	-18 18 11.83	17.60 G	E10 – Siding Spring-Faulkes Telescope South	MPC 186028
2025 07 17.608096	17 29 45.476	-18 18 12.04	17.97 G	E10 – Siding Spring-Faulkes Telescope South	MPC 186028
2025 07 17.74146	17 29 25.51	-18 17 53.4	17.5 G	194 – Tivoli	MPC 186028
2025 07 17.74457	17 29 25.00	-18 17 52.8	17.1 G	194 – Tivoli	MPC 186028
2025 07 17.75381	17 29 23.61	-18 17 51.8	17.4 G	194 – Tivoli	MPC 186028
2025 07 17.75689	17 29 23.14	-18 17 51.5	17.2 G	194 – Tivoli	MPC 186028

2025 07 17.81395	17 29 14.37	-18 17 46.6	18.2 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 186028
2025 07 17.81631	17 29 14.00	-18 17 45.0	17.5 r	585 – Kyiv comet station	MPC 186029
2025 07 17.82229	17 29 13.12	-18 17 45.4	16.7 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 186029
2025 07 17.83042	17 29 11.89	-18 17 43.7	17.4 r	585 – Kyiv comet station	MPC 186029
2025 07 17.84453	17 29 09.68	-18 17 41.1	17.5 r	585 – Kyiv comet station	MPC 186029
2025 07 17.85204	17 29 08.543	-18 17 40.68	17.7 G	095 – Crimea-Nauchnyi	MPC 186029
2025 07 17.86838	17 29 06.110	-18 17 38.40	17.5 r	232 – Masquefa Observatory	MPC 186029
2025 07 17.88044	17 29 04.197	-18 17 36.54	17.7 G	095 – Crimea-Nauchnyi	MPC 186029
2025 07 17.88272	17 29 03.919	-18 17 35.59	17.2 r	213 – Observatorio Montcabre	MPC 186029
2025 07 17.88336	17 29 03.869	-18 17 36.82	15.5 G	K87 – Dettelbach Vineyard Observatory	MPC 186029
2025 07 17.88481	17 29 03.593	-18 17 35.66	15.6 G	K87 – Dettelbach Vineyard Observatory	MPC 186029
2025 07 17.886384	17 29 03.333	-18 17 36.00	16.7 R	B72 – Soerth Observatory	MPC 186029
2025 07 17.88947	17 29 02.914	-18 17 34.98	17.4 r	232 – Masquefa Observatory	MPC 186029
2025 07 17.899109	17 29 01.434	-18 17 33.83	16.3 R	B72 – Soerth Observatory	MPC 186029
2025 07 17.91844	17 28 58.474	-18 17 31.49	15.9 G	B50 – Corner Observatory, Durmersheim	MPC 186029
2025 07 17.92169	17 28 57.960	-18 17 30.30	17.5 r	213 – Observatorio Montcabre	MPC 186029
2025 07 17.92220	17 28 57.878	-18 17 30.12	17.1 G	B50 – Corner Observatory, Durmersheim	MPC 186029
2025 07 17.92522	17 28 57.454	-18 17 30.44	16.8 G	B50 – Corner Observatory, Durmersheim	MPC 186029
2025 07 17.925624	17 28 57.367	-18 17 30.47	17.1 R	B72 – Soerth Observatory	MPC 186029
2025 07 17.92572	17 28 57.370	-18 17 30.23	16.5 G	B50 – Corner Observatory, Durmersheim	MPC 186029
2025 07 17.92731	17 28 57.132	-18 17 29.36	17.6 r	232 – Masquefa Observatory	MPC 186029
2025 07 17.95479	17 28 52.976	-18 17 25.38	15.64 G	Y68 – Two-meter Twin Telescope, TTT3	MPC 186029
2025 07 17.954829	17 28 52.972	-18 17 25.68	17.9 r	J13 – La Palma-Liverpool Telescope	MPC 186029
2025 07 17.956163	17 28 52.763	-18 17 25.55	18.0 r	J13 – La Palma-Liverpool Telescope	MPC 186029
2025 07 17.956830	17 28 52.662	-18 17 25.34	17.9 r	J13 – La Palma-Liverpool Telescope	MPC 186029
2025 07 17.957496	17 28 52.564	-18 17 25.30	17.9 r	J13 – La Palma-Liverpool Telescope	MPC 186029
2025 07 17.958386	17 28 52.425	-18 17 25.12	17.8 r	J13 – La Palma-Liverpool Telescope	MPC 186029
2025 07 17.96008	17 28 52.097	-18 17 24.72	17.4 r	213 – Observatorio Montcabre	MPC 186029
2025 07 17.96441	17 28 51.492	-18 17 24.33	15.53 G	Y68 – Two-meter Twin Telescope, TTT3	MPC 186029
2025 07 17.97911	17 28 49.57	-18 17 20.6	17.4 r	829 – Complejo Astronomico El Leoncito	MPC 187161
2025 07 17.98229	17 28 48.749	-18 17 21.45	15.31 G	Y68 – Two-meter Twin Telescope, TTT3	MPC 186029
2025 07 17.98741	17 28 47.887	-18 17 23.50	16.5 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186029
2025 07 17.99162	17 28 47.263	-18 17 22.92	16.3 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186029
2025 07 17.99192	17 28 47.256	-18 17 20.02	15.64 G	Y68 – Two-meter Twin Telescope, TTT3	MPC 186029
2025 07 17.99255	17 28 47.143	-18 17 20.51	17.5 G	B67 – Sternwarte Mirasteilas, Falera	MPC 187161
2025 07 17.994030	17 28 46.91	-18 17 20.6	17.0 G	958 – Observatoire de Dax	MPC 186029
2025 07 17.99490	17 28 46.721	-18 17 21.80	15.6 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186029
2025 07 18.001706	17 28 45.71	-18 17 19.1	16.7 G	958 – Observatoire de Dax	MPC 186029
2025 07 18.00655	17 28 45.007	-18 17 18.46	16.9 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186029
2025 07 18.015383	17 28 43.60	-18 17 17.3	16.9 G	958 – Observatoire de Dax	MPC 186029
2025 07 18.02007	17 28 42.878	-18 17 17.02	17.2 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186029

2025 07 18.07242	17 28 35.11	-18 17 06.1	17.3 r	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.07287	17 28 35.04	-18 17 06.1	18.0 g	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.07318	17 28 34.98	-18 17 09.0	17.0 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 186029
2025 07 18.07330	17 28 34.97	-18 17 06.0	17.1 z	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.07373	17 28 34.91	-18 17 05.9	17.1 i	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.07415	17 28 34.84	-18 17 05.9	17.3 r	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.07460	17 28 34.77	-18 17 05.8	17.3 r	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.07502	17 28 34.71	-18 17 05.8	17.9 g	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.07546	17 28 34.65	-18 17 05.7	17.0 z	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.07589	17 28 34.57	-18 17 05.7	17.0 i	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.07631	17 28 34.51	-18 17 05.5	17.3 r	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.08369	17 28 33.39	-18 17 07.6	16.9 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 186029
2025 07 18.09420	17 28 31.77	-18 17 06.0	17.1 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 186029
2025 07 18.11135	17 28 29.14	-18 17 00.5	17.1 r	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.11179	17 28 29.07	-18 17 00.4	17.9 g	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.11191	17 28 29.081	-18 17 00.49	18.1 G	W88 – Slooh.com Chile Observatory, La Dehesa	MPC 186029
2025 07 18.11229	17 28 28.99	-18 17 00.4	17.0 z	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.11274	17 28 28.92	-18 17 00.3	16.9 i	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.11331	17 28 28.84	-18 17 00.2	17.2 r	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.11373	17 28 28.77	-18 17 00.2	18.0 g	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.11428	17 28 28.69	-18 17 00.1	17.0 z	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.11472	17 28 28.62	-18 17 00.0	17.0 i	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.11516	17 28 28.55	-18 17 00.0	17.2 r	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.128745	17 28 26.483	-18 16 58.32	19.0 G	309 – Cerro Paranal	MPC 186029
2025 07 18.12895	17 28 26.55	-18 16 58.9	18.1 r	829 – Complejo Astronomico El Leoncito	MPC 187162
2025 07 18.137150	17 28 25.176	-18 16 56.89	17.58 c	W68 – ATLAS Chile, Rio Hurtado	MPC 186029
2025 07 18.13973	17 28 24.804	-18 16 57.07	17.8 G	W88 – Slooh.com Chile Observatory, La Dehesa	MPC 186029
2025 07 18.14400	17 28 24.23	-18 16 57.0	18.6 r	829 – Complejo Astronomico El Leoncito	MPC 187162
2025 07 18.150438	17 28 23.146	-18 16 54.91	17.39 c	W68 – ATLAS Chile, Rio Hurtado	MPC 186029
2025 07 18.151977	17 28 22.914	-18 16 54.93	19.6 G	309 – Cerro Paranal	MPC 186029
2025 07 18.155927	17 28 22.296	-18 16 54.01	17.80 c	W68 – ATLAS Chile, Rio Hurtado	MPC 186029
2025 07 18.158346	17 28 21.940	-18 16 53.94	19.5 G	309 – Cerro Paranal	MPC 186029
2025 07 18.16711	17 28 20.67	-18 16 53.5	17.3 r	829 – Complejo Astronomico El Leoncito	MPC 187162
2025 07 18.167295	17 28 20.566	-18 16 52.72	19.4 G	309 – Cerro Paranal	MPC 186029
2025 07 18.16799	17 28 20.53	-18 16 53.4	17.7 r	829 – Complejo Astronomico El Leoncito	MPC 187162
2025 07 18.19545	17 28 16.32	-18 16 49.4	17.3 r	829 – Complejo Astronomico El Leoncito	MPC 187162
2025 07 18.20041	17 28 15.48	-18 16 47.6	17.3 r	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.20084	17 28 15.41	-18 16 47.5	17.9 g	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.20129	17 28 15.34	-18 16 47.4	16.9 z	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.20172	17 28 15.28	-18 16 47.4	17.0 i	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.20216	17 28 15.22	-18 16 47.3	17.2 r	W84 – Cerro Tololo-DECam	MPC 186029

2025 07 18.20580	17 28 14.66	-18 16 46.9	16.9 z	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.20624	17 28 14.59	-18 16 46.7	17.0 i	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.20665	17 28 14.53	-18 16 46.6	17.1 r	W84 – Cerro Tololo-DECam	MPC 186029
2025 07 18.21912	17 28 12.70	-18 16 45.8	18.0 r	829 – Complejo Astronomico El Leoncito	MPC 187162
2025 07 18.22000	17 28 12.56	-18 16 45.6	17.5 r	829 – Complejo Astronomico El Leoncito	MPC 187162
2025 07 18.22604	17 28 11.64	-18 16 44.7	17.0 r	829 – Complejo Astronomico El Leoncito	MPC 187162
2025 07 18.22691	17 28 11.50	-18 16 44.6	17.6 r	829 – Complejo Astronomico El Leoncito	MPC 187162
2025 07 18.22777	17 28 11.38	-18 16 44.6	18.3 r	829 – Complejo Astronomico El Leoncito	MPC 187162
2025 07 18.22864	17 28 11.26	-18 16 44.4	17.8 r	829 – Complejo Astronomico El Leoncito	MPC 187162
2025 07 18.22949	17 28 11.12	-18 16 44.3	17.3 r	829 – Complejo Astronomico El Leoncito	MPC 187162
2025 07 18.30502	17 27 59.779	-18 16 31.80	17.3 V	E86 – Speranza Observatory, Otaki	MPC 186029
2025 07 18.31109	17 27 58.838	-18 16 30.90	17.8 V	E86 – Speranza Observatory, Otaki	MPC 186029
2025 07 18.31722	17 27 57.883	-18 16 30.07	18.0 V	E86 – Speranza Observatory, Otaki	MPC 186029
2025 07 18.37112	17 27 49.639	-18 16 22.33	17.7 V	E86 – Speranza Observatory, Otaki	MPC 186029
2025 07 18.38013	17 27 48.252	-18 16 21.07	17.6 V	E86 – Speranza Observatory, Otaki	MPC 186029
2025 07 18.39008	17 27 46.730	-18 16 19.81	17.6 V	E86 – Speranza Observatory, Otaki	MPC 186029
2025 07 18.393002	17 27 46.134	-18 16 22.08	17.85 G	F65 – Haleakala-Faulkes Telescope North	MPC 186029
2025 07 18.394162	17 27 45.974	-18 16 21.79	17.83 G	F65 – Haleakala-Faulkes Telescope North	MPC 186029
2025 07 18.395321	17 27 45.776	-18 16 21.64	17.62 G	F65 – Haleakala-Faulkes Telescope North	MPC 186029
2025 07 18.396479	17 27 45.616	-18 16 21.56	17.82 G	F65 – Haleakala-Faulkes Telescope North	MPC 186029
2025 07 18.397638	17 27 45.438	-18 16 21.24	17.84 G	F65 – Haleakala-Faulkes Telescope North	MPC 186029
2025 07 18.47394	17 27 33.862	-18 16 07.97	17.2 G	Q62 – iTelescope Observatory, Siding Spring	MPC 187162
2025 07 18.48995	17 27 31.387	-18 16 05.52	17.3 G	Q62 – iTelescope Observatory, Siding Spring	MPC 187162
2025 07 18.53924	17 27 23.85	-18 16 00.4	16.5 T	349 – Ageo	MPC 186029
2025 07 18.54800	17 27 22.53	-18 15 58.8		349 – Ageo	MPC 186029
2025 07 18.58461	17 27 16.822	-18 15 51.37	18.3 V	E10 – Siding Spring-Faulkes Telescope South	MPC 186029
2025 07 18.58576	17 27 16.639	-18 15 51.08	18.2 V	E10 – Siding Spring-Faulkes Telescope South	MPC 186029
2025 07 18.58696	17 27 16.471	-18 15 50.83	18.2 V	E10 – Siding Spring-Faulkes Telescope South	MPC 186029
2025 07 18.618576	17 27 11.629	-18 15 46.42	17.8 G	Q62 – iTelescope Observatory, Siding Spring	MPC 186029
2025 07 18.625341	17 27 10.576	-18 15 45.06	17.8 G	Q62 – iTelescope Observatory, Siding Spring	MPC 186029
2025 07 18.630666	17 27 09.760	-18 15 44.53	17.2 G	Q62 – iTelescope Observatory, Siding Spring	MPC 186029
2025 07 18.68547	17 27 01.517	-18 15 39.74	17.2 G	N42 – Tien-Shan Astronomical Observatory	MPC 186029
2025 07 18.68859	17 27 01.015	-18 15 39.31	17.7 G	N42 – Tien-Shan Astronomical Observatory	MPC 186029
2025 07 18.69132	17 27 00.576	-18 15 39.10	17.2 G	N42 – Tien-Shan Astronomical Observatory	MPC 186029
2025 07 18.74274	17 26 52.84	-18 15 28.3	17.2 G	194 – Tivoli	MPC 186029
2025 07 18.74582	17 26 52.35	-18 15 27.7	17.2 G	194 – Tivoli	MPC 186029
2025 07 18.74892	17 26 51.90	-18 15 27.1	16.6 G	194 – Tivoli	MPC 186029
2025 07 18.75743	17 26 50.59	-18 15 26.2	17.2 G	194 – Tivoli	MPC 186029
2025 07 18.75898	17 26 50.35	-18 15 26.0	17.0 G	194 – Tivoli	MPC 186029
2025 07 18.81930	17 26 41.11	-18 15 19.8	16.1 V	L90 – ABObservatory, Rosarno	MPC 186029
2025 07 18.82244	17 26 40.57	-18 15 19.0	16.9 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 186029

2025 07 18.82758	17 26 39.73	-18 15 17.6	17.2 V	L90 – ABObservatory, Rosarno	MPC 186030
2025 07 18.82835	17 26 39.63	-18 15 17.9	16.6 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 186030
2025 07 18.83561	17 26 38.52	-18 15 17.0	17.2 V	L90 – ABObservatory, Rosarno	MPC 186030
2025 07 18.84382	17 26 37.267	-18 15 15.88	16.7 V	M24 – La Macchina del Tempo, Ardore Marina	MPC 186030
2025 07 18.85010	17 26 36.310	-18 15 14.83	16.7 V	M24 – La Macchina del Tempo, Ardore Marina	MPC 186030
2025 07 18.85569	17 26 35.414	-18 15 14.22	16.7 V	M24 – La Macchina del Tempo, Ardore Marina	MPC 186030
2025 07 18.885214	17 26 30.921	-18 15 10.13	16.9 R	B72 – Soerth Observatory	MPC 186030
2025 07 18.88831	17 26 30.379	-18 15 09.32	17.2 V	M38 – Harsona Observatory, Nyiregyhaza	MPC 186030
2025 07 18.892267	17 26 29.80	-18 15 08.8	16.8 G	104 – San Marcello Pistoiese	MPC 186030
2025 07 18.89322	17 26 29.594	-18 15 08.50	16.6 G	B50 – Corner Observatory, Durmersheim	MPC 186030
2025 07 18.89529	17 26 29.347	-18 15 08.35		D63 – G. Pascoli Observatory, Barga (since June 2023)	MPC 186030
2025 07 18.89936	17 26 28.718	-18 15 07.42	14.9 G	K87 – Dettelbach Vineyard Observatory	MPC 186030
2025 07 18.89975	17 26 28.699	-18 15 08.17	16.6 G	B50 – Corner Observatory, Durmersheim	MPC 186030
2025 07 18.90228	17 26 28.291	-18 15 07.13	15.0 G	K87 – Dettelbach Vineyard Observatory	MPC 186030
2025 07 18.90426	17 26 27.960	-18 15 07.02	17.7 V	M38 – Harsona Observatory, Nyiregyhaza	MPC 186030
2025 07 18.90495	17 26 27.874	-18 15 07.78	17.1 G	B50 – Corner Observatory, Durmersheim	MPC 186030
2025 07 18.90556	17 26 27.826	-18 15 07.38	15.2 G	K87 – Dettelbach Vineyard Observatory	MPC 186030
2025 07 18.91271	17 26 26.68	-18 15 03.2	17.0 N	J01 – Observatorio Cielo Profundo, Leon	MPC 186030
2025 07 18.914918	17 26 26.328	-18 15 05.39	16.8 R	B72 – Soerth Observatory	MPC 186030
2025 07 18.91506	17 26 26.347	-18 15 05.44	15.6 G	K87 – Dettelbach Vineyard Observatory	MPC 186030
2025 07 18.91632	17 26 26.06	-18 15 05.4	17.3 G	K83 – Osservatorio Astronomico Beppe Forti, Montelupo	MPC 186030
2025 07 18.91747	17 26 25.858	-18 15 05.80	17.2 G	B50 – Corner Observatory, Durmersheim	MPC 186030
2025 07 18.92308	17 26 25.166	-18 15 03.56	16.6 G	B50 – Corner Observatory, Durmersheim	MPC 186030
2025 07 18.92410	17 26 24.96	-18 15 03.9	17.4 N	J01 – Observatorio Cielo Profundo, Leon	MPC 186030
2025 07 18.92544	17 26 24.73	-18 15 03.6	17.0 G	K83 – Osservatorio Astronomico Beppe Forti, Montelupo	MPC 186030
2025 07 18.92950	17 26 24.103	-18 15 03.42		D63 – G. Pascoli Observatory, Barga (since June 2023)	MPC 186030
2025 07 18.930829	17 26 23.858	-18 15 03.20	17.0 R	B72 – Soerth Observatory	MPC 186030
2025 07 18.93269	17 26 23.546	-18 15 02.23	17.1 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186030
2025 07 18.93455	17 26 23.273	-18 15 02.38	16.8 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186030
2025 07 18.93642	17 26 23.014	-18 15 02.45	16.5 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186030
2025 07 18.96991	17 26 17.993	-18 14 55.25	17.1 G	X76 – SUN Observatory, Redencao	MPC 186030
2025 07 18.98030	17 26 16.327	-18 14 53.41	16.6 G	X76 – SUN Observatory, Redencao	MPC 186030
2025 07 18.983938	17 26 15.895	-18 14 51.93	17.93 G	W86 – Cerro Tololo-LCO B	MPC 186030
2025 07 18.987472	17 26 15.340	-18 14 51.40	17.90 G	W86 – Cerro Tololo-LCO B	MPC 186030
2025 07 18.989555	17 26 15.041	-18 14 51.24	18.6 G	309 – Cerro Paranal	MPC 186030
2025 07 18.99069	17 26 14.717	-18 14 52.04	17.4 G	X76 – SUN Observatory, Redencao	MPC 186030
2025 07 18.990849	17 26 14.850	-18 14 51.02	18.7 G	309 – Cerro Paranal	MPC 186030
2025 07 18.991002	17 26 14.801	-18 14 50.90	18.03 G	W86 – Cerro Tololo-LCO B	MPC 186030
2025 07 18.994539	17 26 14.255	-18 14 50.32	17.90 G	W86 – Cerro Tololo-LCO B	MPC 186030
2025 07 18.998060	17 26 13.718	-18 14 49.71	18.02 G	W86 – Cerro Tololo-LCO B	MPC 186030
2025 07 19.001581	17 26 13.163	-18 14 49.31	17.95 G	W86 – Cerro Tololo-LCO B	MPC 186030

2025 07 19.005127	17 26 12.618	-18 14 48.66	17.87 G	W86 – Cerro Tololo-LCO B	MPC 186030
2025 07 19.127940	17 25 53.626	-18 14 33.25	18.4 V	932 – John J. McCarthy Obs., New Milford	MPC 186030
2025 07 19.129231	17 25 53.472	-18 14 33.36	18.1 V	932 – John J. McCarthy Obs., New Milford	MPC 186030
2025 07 19.138271	17 25 52.058	-18 14 32.28	17.9 V	932 – John J. McCarthy Obs., New Milford	MPC 186030
2025 07 19.139564	17 25 51.866	-18 14 31.56	18.0 V	932 – John J. McCarthy Obs., New Milford	MPC 186030
2025 07 19.140854	17 25 51.660	-18 14 31.34	17.7 V	932 – John J. McCarthy Obs., New Milford	MPC 186030
2025 07 19.142146	17 25 51.442	-18 14 31.34	18.1 V	932 – John J. McCarthy Obs., New Milford	MPC 186030
2025 07 19.184301	17 25 44.925	-18 14 21.56	18.00 G	W87 – Cerro Tololo-LCO C	MPC 186030
2025 07 19.187829	17 25 44.375	-18 14 21.00	17.95 G	W87 – Cerro Tololo-LCO C	MPC 186030
2025 07 19.189550	17 25 44.248	-18 14 23.65	17.96 g	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 19.190515	17 25 44.060	-18 14 23.61	17.97 g	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 19.191391	17 25 43.829	-18 14 20.43	18.09 G	W87 – Cerro Tololo-LCO C	MPC 186030
2025 07 19.191456	17 25 43.975	-18 14 23.50	18.06 g	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 19.194918	17 25 43.277	-18 14 19.89	17.94 G	W87 – Cerro Tololo-LCO C	MPC 186030
2025 07 19.198440	17 25 42.739	-18 14 19.30	18.02 G	W87 – Cerro Tololo-LCO C	MPC 186030
2025 07 19.201951	17 25 42.196	-18 14 18.70	17.98 G	W87 – Cerro Tololo-LCO C	MPC 186030
2025 07 19.255072	17 25 34.117	-18 14 13.61	17.48 r	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 19.25715	17 25 33.766	-18 14 13.31	15.3 G	U52 – Shasta Valley Observatory, Grenada	MPC 186030
2025 07 19.26007	17 25 33.334	-18 14 13.02	16.7 G	U52 – Shasta Valley Observatory, Grenada	MPC 186030
2025 07 19.26299	17 25 32.796	-18 14 12.44	17.1 G	U52 – Shasta Valley Observatory, Grenada	MPC 186030
2025 07 19.269933	17 25 31.824	-18 14 11.05	17.41 r	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 19.44968	17 25 04.16	-18 13 40.5	16.1 G	E23 – Arcadia	MPC 186030
2025 07 19.45675	17 25 03.10	-18 13 40.2	17.0 G	E23 – Arcadia	MPC 186030
2025 07 19.46382	17 25 02.01	-18 13 39.3	16.2 G	E23 – Arcadia	MPC 186030
2025 07 19.530411	17 24 51.705	-18 13 28.37	18.05 G	Q64 – Siding Spring-LCO B	MPC 186030
2025 07 19.533942	17 24 51.148	-18 13 27.82	18.03 G	Q64 – Siding Spring-LCO B	MPC 186030
2025 07 19.537461	17 24 50.609	-18 13 27.30	17.96 G	Q64 – Siding Spring-LCO B	MPC 186030
2025 07 19.540986	17 24 50.046	-18 13 26.81	17.95 G	Q64 – Siding Spring-LCO B	MPC 186030
2025 07 19.544529	17 24 49.502	-18 13 26.25	17.85 G	Q64 – Siding Spring-LCO B	MPC 186030
2025 07 19.81120	17 24 08.72	-18 12 48.6	17.2 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 186030
2025 07 19.81367	17 24 08.00	-18 12 49.7	17.5 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 186030
2025 07 19.81434	17 24 07.896	-18 12 47.12	17.7 G	095 – Crimea-Nauchnyi	MPC 186030
2025 07 19.82729	17 24 05.95	-18 12 45.3	17.7 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 186030
2025 07 19.83019	17 24 05.48	-18 12 44.6	17.4 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 186030
2025 07 19.850713	17 24 02.284	-18 12 38.33	17.87 G	K91 – Sutherland-LCO A	MPC 186030
2025 07 19.854189	17 24 01.76	-18 12 41.1		K88 – GINOP-KHK, Piszkesteto	MPC 186030
2025 07 19.854236	17 24 01.740	-18 12 37.83	17.85 G	K91 – Sutherland-LCO A	MPC 186030
2025 07 19.857756	17 24 01.202	-18 12 37.21	17.92 G	K91 – Sutherland-LCO A	MPC 186030
2025 07 19.861279	17 24 00.653	-18 12 36.72	17.90 G	K91 – Sutherland-LCO A	MPC 186030
2025 07 19.86302	17 24 00.342	-18 12 39.37	17.7 G	095 – Crimea-Nauchnyi	MPC 186030
2025 07 19.86550	17 23 59.97	-18 12 38.4	17.1 G	C40 – Kuban State University Astrophysical Observato	MPC 186030

2025 07 19.865858	17 23 59.93	-18 12 39.2		K88 – GINOP-KHK, Piszkesteto	MPC 186030
2025 07 19.868344	17 23 59.549	-18 12 35.61	17.92 G	K91 – Sutherland-LCO A	MPC 186030
2025 07 19.87330	17 23 58.74	-18 12 38.1	17.4 G	C40 – Kuban State University Astrophysical Observato	MPC 186030
2025 07 19.87978	17 23 57.77	-18 12 36.6	17.1 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 186030
2025 07 19.88111	17 23 57.54	-18 12 36.7	17.0 G	C40 – Kuban State University Astrophysical Observato	MPC 186030
2025 07 19.88891	17 23 56.25	-18 12 35.8	17.1 G	C40 – Kuban State University Astrophysical Observato	MPC 186030
2025 07 19.889824	17 23 56.24	-18 12 35.1	17.1 G	958 – Observatoire de Dax	MPC 186030
2025 07 19.89129	17 23 55.96	-18 12 34.8	17.7 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 186030
2025 07 19.89670	17 23 55.11	-18 12 33.0	17.5 G	C40 – Kuban State University Astrophysical Observato	MPC 186030
2025 07 19.90313	17 23 54.12	-18 12 33.2	17.4 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 186030
2025 07 19.90431	17 23 53.99	-18 12 31.7	17.5 G	C40 – Kuban State University Astrophysical Observato	MPC 186030
2025 07 19.911652	17 23 52.86	-18 12 31.8	17.3 G	958 – Observatoire de Dax	MPC 186030
2025 07 19.913339	17 23 52.565	-18 12 31.32	17.5 G	L34 – Galhassin Robotic Telescope, Isnello	MPC 186030
2025 07 19.915793	17 23 52.164	-18 12 31.39	17.7 G	L34 – Galhassin Robotic Telescope, Isnello	MPC 186030
2025 07 19.926060	17 23 50.570	-18 12 29.63		L34 – Galhassin Robotic Telescope, Isnello	MPC 186030
2025 07 19.928166	17 23 50.225	-18 12 29.05		L34 – Galhassin Robotic Telescope, Isnello	MPC 186030
2025 07 19.933366	17 23 49.49	-18 12 28.4	16.9 G	958 – Observatoire de Dax	MPC 186030
2025 07 19.951293	17 23 46.859	-18 12 22.98	15.7 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186030
2025 07 19.976997	17 23 42.842	-18 12 18.92	16.5 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186030
2025 07 20.002277	17 23 38.875	-18 12 15.26	17.5 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186030
2025 07 20.09560	17 23 24.470	-18 12 02.59	16.5 G	H23 – Pear Tree Observatory, Valparaiso	MPC 186030
2025 07 20.11411	17 23 21.583	-18 11 59.60	16.4 G	H23 – Pear Tree Observatory, Valparaiso	MPC 186030
2025 07 20.13213	17 23 18.744	-18 11 56.65	16.5 G	H23 – Pear Tree Observatory, Valparaiso	MPC 186030
2025 07 20.180888	17 23 11.114	-18 11 45.88	17.98 G	W85 – Cerro Tololo-LCO A	MPC 186030
2025 07 20.184413	17 23 10.575	-18 11 45.32	17.95 G	W85 – Cerro Tololo-LCO A	MPC 186030
2025 07 20.187933	17 23 10.030	-18 11 44.79	17.90 G	W85 – Cerro Tololo-LCO A	MPC 186030
2025 07 20.191458	17 23 09.482	-18 11 44.16	17.99 G	W85 – Cerro Tololo-LCO A	MPC 186030
2025 07 20.194985	17 23 08.934	-18 11 43.66	18.13 G	W85 – Cerro Tololo-LCO A	MPC 186030
2025 07 20.198515	17 23 08.379	-18 11 43.01	18.10 G	W85 – Cerro Tololo-LCO A	MPC 186030
2025 07 20.202073	17 23 07.833	-18 11 42.50	18.06 G	W85 – Cerro Tololo-LCO A	MPC 186031
2025 07 20.210994	17 23 06.571	-18 11 44.35	18.01 g	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 20.228230	17 23 03.887	-18 11 41.41	17.31 r	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 20.264498	17 22 58.231	-18 11 35.20	17.37 r	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 20.270204	17 22 57.319	-18 11 34.99	18.05 g	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 20.27924	17 22 56.076	-18 11 29.47	17.6 V	E86 – Speranza Observatory, Otaki	MPC 186031
2025 07 20.28400	17 22 55.310	-18 11 28.86	17.5 V	E86 – Speranza Observatory, Otaki	MPC 186031
2025 07 20.29035	17 22 54.329	-18 11 28.00	17.4 V	E86 – Speranza Observatory, Otaki	MPC 186031
2025 07 20.48405	17 22 24.19	-18 10 59.0		D95 – Kurihara	MPC 186031
2025 07 20.48727	17 22 23.63	-18 10 58.6		D95 – Kurihara	MPC 186031
2025 07 20.49351	17 22 22.77	-18 10 58.4		903 – Fukuchiyama and Kannabe	MPC 186031
2025 07 20.49799	17 22 22.00	-18 10 57.6	16.7 T	D95 – Kurihara	MPC 186031

2025 07 20.50854	17 22 20.38	-18 10 55.3		903 – Fukuchiyama and Kannabe	MPC 186031
2025 07 20.52769	17 22 17.41	-18 10 52.7	17.1 T	903 – Fukuchiyama and Kannabe	MPC 186031
2025 07 20.53131	17 22 16.829	-18 10 52.07	18.3 V	Q14 – Goto Astronomical Observatory in Yatsugatake	MPC 187162
2025 07 20.54065	17 22 15.377	-18 10 50.45	17.7 V	Q14 – Goto Astronomical Observatory in Yatsugatake	MPC 187162
2025 07 20.54705	17 22 14.323	-18 10 49.69	17.3 V	Q14 – Goto Astronomical Observatory in Yatsugatake	MPC 187162
2025 07 20.605587	17 22 05.173	-18 10 37.01	17.78 G	Q63 – Siding Spring-LCO A	MPC 186031
2025 07 20.609119	17 22 04.620	-18 10 36.43	17.99 G	Q63 – Siding Spring-LCO A	MPC 186031
2025 07 20.612669	17 22 04.068	-18 10 35.84	17.89 G	Q63 – Siding Spring-LCO A	MPC 186031
2025 07 20.616194	17 22 03.521	-18 10 35.51	17.80 G	Q63 – Siding Spring-LCO A	MPC 186031
2025 07 20.619786	17 22 02.954	-18 10 34.70	17.91 G	Q63 – Siding Spring-LCO A	MPC 186031
2025 07 20.623325	17 22 02.403	-18 10 34.06	17.94 G	Q63 – Siding Spring-LCO A	MPC 186031
2025 07 20.626869	17 22 01.858	-18 10 33.62	17.70 G	Q63 – Siding Spring-LCO A	MPC 186031
2025 07 20.74223	17 21 44.16	-18 10 15.2	17.5 G	194 – Tivoli	MPC 186031
2025 07 20.74542	17 21 43.68	-18 10 15.0	16.8 G	194 – Tivoli	MPC 186031
2025 07 20.74849	17 21 43.18	-18 10 14.2	16.9 G	194 – Tivoli	MPC 186031
2025 07 20.75156	17 21 42.67	-18 10 14.1	16.9 G	194 – Tivoli	MPC 186031
2025 07 20.78491	17 21 37.39	-18 10 11.4	17.3 G	094 – Crimea-Simeiz	MPC 186031
2025 07 20.78817	17 21 36.90	-18 10 10.5	17.5 G	094 – Crimea-Simeiz	MPC 186031
2025 07 20.79144	17 21 36.40	-18 10 10.1	17.7 G	094 – Crimea-Simeiz	MPC 186031
2025 07 20.79470	17 21 35.87	-18 10 09.6	17.5 G	094 – Crimea-Simeiz	MPC 186031
2025 07 20.81175	17 21 33.19	-18 10 06.5	17.6 G	C40 – Kuban State University Astrophysical Observato	MPC 186031
2025 07 20.81758	17 21 32.293	-18 10 05.61	17.7 G	095 – Crimea-Nauchnyi	MPC 186031
2025 07 20.82623	17 21 31.025	-18 10 04.33	16.7 R	056 – Skalnate Pleso	MPC 186031
2025 07 20.82791	17 21 30.66	-18 10 04.0	17.5 G	C40 – Kuban State University Astrophysical Observato	MPC 186031
2025 07 20.82913	17 21 30.559	-18 10 03.50	16.7 R	056 – Skalnate Pleso	MPC 186031
2025 07 20.83089	17 21 30.283	-18 10 03.58	17.2 G	L54 – Berthelot Observatory, Hunedoara	MPC 186031
2025 07 20.84387	17 21 28.17	-18 10 01.3	17.4 G	C40 – Kuban State University Astrophysical Observato	MPC 186031
2025 07 20.84538	17 21 27.948	-18 10 00.80	17.1 G	L54 – Berthelot Observatory, Hunedoara	MPC 186031
2025 07 20.85591	17 21 26.309	-18 09 58.21	14.8 V	M38 – Harsona Observatory, Nyiregyhaza	MPC 186031
2025 07 20.85790	17 21 26.01	-18 09 58.4	16.0 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 186031
2025 07 20.85969	17 21 25.72	-18 09 58.7	17.5 G	A71 – Stixendorf	MPC 186031
2025 07 20.85987	17 21 25.598	-18 09 58.39	16.8 G	L54 – Berthelot Observatory, Hunedoara	MPC 186031
2025 07 20.861438	17 21 25.48	-18 09 58.3		K88 – GINOP-KHK, Piszkesteto	MPC 186031
2025 07 20.862783	17 21 25.25	-18 09 58.8	17.4 G	K88 – GINOP-KHK, Piszkesteto	MPC 186031
2025 07 20.86365	17 21 25.116	-18 09 58.25	15.3 V	M38 – Harsona Observatory, Nyiregyhaza	MPC 186031
2025 07 20.86474	17 21 24.95	-18 09 57.5	16.6 G	A71 – Stixendorf	MPC 186031
2025 07 20.86485	17 21 24.889	-18 09 57.81	17.7 G	095 – Crimea-Nauchnyi	MPC 186031
2025 07 20.86509	17 21 24.87	-18 09 57.3	16.9 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 186031
2025 07 20.86905	17 21 24.331	-18 09 57.17	17.0 r	232 – Masquefa Observatory	MPC 186031
2025 07 20.86978	17 21 24.16	-18 09 57.3	16.8 G	A71 – Stixendorf	MPC 186031
2025 07 20.87228	17 21 23.74	-18 09 56.5	17.1 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 186031

2025 07 20.87399	17 21 23.49	-18 09 56.5	17.7 G	A71 – Stixendorf	MPC 186031
2025 07 20.877567	17 21 22.932	-18 09 52.60	17.85 G	K92 – Sutherland-LCO B	MPC 186031
2025 07 20.88019	17 21 22.52	-18 09 55.0	15.0 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 186031
2025 07 20.881226	17 21 22.355	-18 09 52.14	17.65 G	K92 – Sutherland-LCO B	MPC 186031
2025 07 20.884874	17 21 21.772	-18 09 51.27	17.67 G	K92 – Sutherland-LCO B	MPC 186031
2025 07 20.888647	17 21 21.192	-18 09 50.93	17.88 G	K92 – Sutherland-LCO B	MPC 186031
2025 07 20.892929	17 21 20.524	-18 09 49.88	18.12 G	K92 – Sutherland-LCO B	MPC 186031
2025 07 20.89491	17 21 20.266	-18 09 52.52	17.5 r	232 – Masquefa Observatory	MPC 186031
2025 07 20.90113	17 21 19.222	-18 09 51.95	17.3 R	056 – Skalnate Pleso	MPC 186031
2025 07 20.909125	17 21 18.07	-18 09 50.6	17.2 G	958 – Observatoire de Dax	MPC 186031
2025 07 20.92005	17 21 16.308	-18 09 48.82	17.5 r	232 – Masquefa Observatory	MPC 186031
2025 07 20.92008	17 21 16.303	-18 09 48.64	17.3 R	056 – Skalnate Pleso	MPC 186031
2025 07 20.92351	17 21 15.713	-18 09 48.67	17.0 R	056 – Skalnate Pleso	MPC 186031
2025 07 20.92729	17 21 15.163	-18 09 47.38	17.1 R	056 – Skalnate Pleso	MPC 186031
2025 07 20.930822	17 21 14.62	-18 09 46.4	16.9 G	958 – Observatoire de Dax	MPC 186031
2025 07 20.93485	17 21 14.002	-18 09 46.37	17.0 r	213 – Observatorio Montcabre	MPC 186031
2025 07 20.94251	17 21 12.778	-18 09 44.78	17.1 R	056 – Skalnate Pleso	MPC 186031
2025 07 20.94546	17 21 12.326	-18 09 44.60	17.2 G	179 – Monte Generoso	MPC 186031
2025 07 20.95009	17 21 11.618	-18 09 43.88	16.6 R	056 – Skalnate Pleso	MPC 186031
2025 07 20.951748	17 21 11.33	-18 09 43.7	17.3 G	958 – Observatoire de Dax	MPC 186031
2025 07 20.95389	17 21 11.006	-18 09 42.41	16.9 R	056 – Skalnate Pleso	MPC 186031
2025 07 20.95469	17 21 10.884	-18 09 42.59	17.6 G	179 – Monte Generoso	MPC 186031
2025 07 20.96825	17 21 08.755	-18 09 40.90	16.9 r	213 – Observatorio Montcabre	MPC 186031
2025 07 21.123603	17 20 44.580	-18 09 11.93	19.1 G	309 – Cerro Paranal	MPC 186031
2025 07 21.127569	17 20 43.956	-18 09 11.28	19.1 G	309 – Cerro Paranal	MPC 186031
2025 07 21.16071	17 20 38.81	-18 09 08.6	17.08 T	H45 – Arkansas Sky Obs., Petit Jean Mountain South	MPC 186031
2025 07 21.16198	17 20 38.65	-18 09 08.4	17.94 T	H45 – Arkansas Sky Obs., Petit Jean Mountain South	MPC 186031
2025 07 21.16503	17 20 38.14	-18 09 08.1	18.01 T	H45 – Arkansas Sky Obs., Petit Jean Mountain South	MPC 186031
2025 07 21.16631	17 20 37.93	-18 09 07.6	17.61 T	H45 – Arkansas Sky Obs., Petit Jean Mountain South	MPC 186031
2025 07 21.16815	17 20 37.69	-18 09 06.8	18.32 T	H45 – Arkansas Sky Obs., Petit Jean Mountain South	MPC 186031
2025 07 21.17718	17 20 36.29	-18 09 05.6	16.34 T	H45 – Arkansas Sky Obs., Petit Jean Mountain South	MPC 186031
2025 07 21.213795	17 20 30.513	-18 08 59.56	17.29 r	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 21.214746	17 20 30.408	-18 08 59.47	17.35 r	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 21.256369	17 20 23.813	-18 08 52.57	17.95 g	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 21.257309	17 20 23.694	-18 08 52.40	17.88 g	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 21.258251	17 20 23.516	-18 08 51.74	17.86 g	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 21.687056	17 19 16.284	-18 07 36.53	20.0 G	250 – Hubble Space Telescope	MPEC W75
2025 07 21.689046	17 19 15.977	-18 07 35.78	19.9 G	250 – Hubble Space Telescope	MPEC W75
2025 07 21.752767	17 19 05.981	-18 07 25.18	19.9 G	250 – Hubble Space Telescope	MPEC W75
2025 07 21.754584	17 19 05.704	-18 07 24.49	19.8 G	250 – Hubble Space Telescope	MPEC W75
2025 07 21.79745	17 18 59.17	-18 07 20.1	17.5 G	L51 – MARGO, Nauchnyi	MPC 187162

2025 07 21.80132	17 18 58.55	-18 07 19.6	17.1 G	L51 – MARGO, Nauchnyi	MPC 187162
2025 07 21.80540	17 18 57.91	-18 07 18.9	17.2 G	L51 – MARGO, Nauchnyi	MPC 187162
2025 07 21.81417	17 18 56.56	-18 07 17.9	17.1 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 186031
2025 07 21.82334	17 18 55.08	-18 07 16.2	17.0 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 186031
2025 07 21.83289	17 18 53.574	-18 07 13.98	17.6 G	095 – Crimea-Nauchnyi	MPC 186031
2025 07 21.841094	17 18 52.34	-18 07 12.6	17.5 G	G17 – BAS Observatory, Scandicci	MPC 186031
2025 07 21.855988	17 18 50.00	-18 07 10.2	17.4 G	G17 – BAS Observatory, Scandicci	MPC 186031
2025 07 21.86087	17 18 49.30	-18 07 09.4	17.3 V	M04 – Pujalt Observatory, Barcelona	MPC 186031
2025 07 21.864852	17 18 48.56	-18 07 08.8	17.8 G	L06 – Sormano 2 Observatory, Bellagio Via Lattea	MPC 186031
2025 07 21.86830	17 18 47.97	-18 07 07.8	16.8 G	A71 – Stixendorf	MPC 186031
2025 07 21.870863	17 18 47.63	-18 07 07.5	17.6 G	G17 – BAS Observatory, Scandicci	MPC 186031
2025 07 21.871307	17 18 47.55	-18 07 07.7	17.8 G	L06 – Sormano 2 Observatory, Bellagio Via Lattea	MPC 186031
2025 07 21.87179	17 18 47.52	-18 07 07.7	16.8 G	A71 – Stixendorf	MPC 186031
2025 07 21.87342	17 18 47.31	-18 07 06.1	16.8 V	M04 – Pujalt Observatory, Barcelona	MPC 186031
2025 07 21.87702	17 18 46.64	-18 07 06.6	17.9 G	A71 – Stixendorf	MPC 186031
2025 07 21.877762	17 18 46.55	-18 07 06.6	17.5 G	L06 – Sormano 2 Observatory, Bellagio Via Lattea	MPC 186031
2025 07 21.88125	17 18 45.943	-18 07 05.46	17.6 G	095 – Crimea-Nauchnyi	MPC 186031
2025 07 21.88325	17 18 45.715	-18 07 05.27	17.4 r	213 – Observatorio Montcabre	MPC 186031
2025 07 21.89433	17 18 43.94	-18 07 02.7	17.4 V	M04 – Pujalt Observatory, Barcelona	MPC 186031
2025 07 21.896597	17 18 43.60	-18 07 03.2	17.1 G	958 – Observatoire de Dax	MPC 186031
2025 07 21.91026	17 18 41.40	-18 07 01.1	17.8 G	104 – San Marcello Pistoiese	MPC 186031
2025 07 21.91508	17 18 40.66	-18 06 59.4	17.3 G	104 – San Marcello Pistoiese	MPC 186031
2025 07 21.91991	17 18 39.91	-18 06 59.1	17.9 G	104 – San Marcello Pistoiese	MPC 186031
2025 07 21.92098	17 18 39.746	-18 06 58.72	17.4 r	213 – Observatorio Montcabre	MPC 186031
2025 07 21.92991	17 18 38.345	-18 06 57.10	17.6 V	Z90 – Albox	MPC 186031
2025 07 21.932261	17 18 37.97	-18 06 57.9	17.1 G	958 – Observatoire de Dax	MPC 186031
2025 07 21.933968	17 18 37.71	-18 06 56.4	17.4 G	958 – Observatoire de Dax	MPC 186031
2025 07 21.94153	17 18 36.509	-18 06 54.97	17.6 V	Z90 – Albox	MPC 186031
2025 07 21.94935	17 18 35.275	-18 06 53.60	17.4 V	Z90 – Albox	MPC 186031
2025 07 21.956373	17 18 34.17	-18 06 52.3	17.1 G	958 – Observatoire de Dax	MPC 186031
2025 07 21.95675	17 18 34.106	-18 06 52.20	17.6 V	Z90 – Albox	MPC 186031
2025 07 21.96067	17 18 33.51	-18 06 52.0	17.7 V	Y88 – ASERO, Valdin	MPC 186032
2025 07 21.96184	17 18 33.288	-18 06 51.44	17.3 r	213 – Observatorio Montcabre	MPC 186032
2025 07 21.96275	17 18 33.158	-18 06 51.26	17.6 V	Z90 – Albox	MPC 186032
2025 07 21.96485	17 18 32.82	-18 06 51.5	17.4 V	Y88 – ASERO, Valdin	MPC 186032
2025 07 21.96798	17 18 32.38	-18 06 50.2	17.3 V	Y88 – ASERO, Valdin	MPC 186032
2025 07 21.96859	17 18 32.227	-18 06 50.26	17.6 V	Z90 – Albox	MPC 186032
2025 07 21.97007	17 18 32.03	-18 06 49.7	17.5 V	Y88 – ASERO, Valdin	MPC 186032
2025 07 21.972021	17 18 31.70	-18 06 49.8	17.6 G	958 – Observatoire de Dax	MPC 186032
2025 07 21.97300	17 18 31.558	-18 06 49.54	17.2 G	G40 – Slooh.com Canary Islands Observatory	MPC 186032
2025 07 21.980366	17 18 30.35	-18 06 47.0	16.9 G	958 – Observatoire de Dax	MPC 186032

2025 07 21.98398	17 18 29.842	-18 06 47.30	17.4 G	G40 – Slooh.com Canary Islands Observatory	MPC 186032
2025 07 21.996940	17 18 27.978	-18 06 42.56	19.1 G	309 – Cerro Paranal	MPC 186032
2025 07 21.998659	17 18 27.706	-18 06 42.26	19.1 G	309 – Cerro Paranal	MPC 186032
2025 07 22.07849	17 18 15.07	-18 06 31.3	17.1 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 186032
2025 07 22.09356	17 18 12.68	-18 06 28.7	16.9 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 186032
2025 07 22.10792	17 18 10.40	-18 06 26.2	17.1 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 186032
2025 07 22.200994	17 17 55.679	-18 06 06.43	17.99 G	W85 – Cerro Tololo-LCO A	MPC 186032
2025 07 22.204534	17 17 55.118	-18 06 05.77	17.92 G	W85 – Cerro Tololo-LCO A	MPC 186032
2025 07 22.208073	17 17 54.555	-18 06 05.25	17.99 G	W85 – Cerro Tololo-LCO A	MPC 186032
2025 07 22.211498	17 17 54.115	-18 06 07.41	17.89 g	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 22.213852	17 17 53.743	-18 06 07.76	17.90 g	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 22.218708	17 17 52.885	-18 06 03.28	17.88 G	W85 – Cerro Tololo-LCO A	MPC 186032
2025 07 22.264982	17 17 45.638	-18 05 58.42	17.29 r	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 22.50309	17 17 08.24	-18 05 16.2	17.1 V	P87 – Hirao Observatory, Yamaguchi	MPC 186032
2025 07 22.50601	17 17 07.76	-18 05 15.4		P87 – Hirao Observatory, Yamaguchi	MPC 186032
2025 07 22.50893	17 17 07.37	-18 05 14.8		P87 – Hirao Observatory, Yamaguchi	MPC 186032
2025 07 22.54205	17 17 02.03	-18 05 09.0	16.7 T	D95 – Kurihara	MPC 186032
2025 07 22.54634	17 17 01.37	-18 05 08.0		D95 – Kurihara	MPC 186032
2025 07 22.54849	17 17 00.97	-18 05 07.7		D95 – Kurihara	MPC 186032
2025 07 22.65490	17 16 44.254	-18 04 48.83	16.7 G	N42 – Tien-Shan Astronomical Observatory	MPC 186032
2025 07 22.66106	17 16 43.315	-18 04 48.00	17.6 G	N42 – Tien-Shan Astronomical Observatory	MPC 186032
2025 07 22.67544	17 16 41.033	-18 04 45.37	17.4 G	N42 – Tien-Shan Astronomical Observatory	MPC 186032
2025 07 22.81883	17 16 18.46	-18 04 19.8	16.6 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 186032
2025 07 22.82843	17 16 16.90	-18 04 17.6	17.5 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 186032
2025 07 22.83343	17 16 16.063	-18 04 16.61	17.4 G	L54 – Berthelot Observatory, Hunedoara	MPC 186032
2025 07 22.83378	17 16 15.991	-18 04 16.80	17.6 G	095 – Crimea-Nauchnyi	MPC 186032
2025 07 22.83461	17 16 15.91	-18 04 16.3	17.3 V	L04 – ROASTERR-1 Observatory, Cluj-Napoca	MPC 186032
2025 07 22.83662	17 16 15.562	-18 04 16.39	17.7 V	L47 – Osservatorio Astronomico, Piobbico	MPC 186032
2025 07 22.83758	17 16 15.48	-18 04 17.2	16.8 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 186032
2025 07 22.83759	17 16 15.41	-18 04 16.4	16.5 V	L04 – ROASTERR-1 Observatory, Cluj-Napoca	MPC 186032
2025 07 22.84092	17 16 14.92	-18 04 15.3	16.5 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 186032
2025 07 22.84098	17 16 14.825	-18 04 15.60	18.0 V	L47 – Osservatorio Astronomico, Piobbico	MPC 186032
2025 07 22.84106	17 16 14.82	-18 04 15.7	16.4 V	L04 – ROASTERR-1 Observatory, Cluj-Napoca	MPC 186032
2025 07 22.84148	17 16 14.85	-18 04 15.4	16.9 G	G00 – AZM Martinsberg, Oed	MPC 186032
2025 07 22.84385	17 16 14.54	-18 04 14.7	16.2 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 186032
2025 07 22.84497	17 16 14.30	-18 04 14.8	16.0 G	G00 – AZM Martinsberg, Oed	MPC 186032
2025 07 22.84535	17 16 14.215	-18 04 15.53	17.0 V	L47 – Osservatorio Astronomico, Piobbico	MPC 186032
2025 07 22.84979	17 16 13.49	-18 04 14.1	17.5 G	G00 – AZM Martinsberg, Oed	MPC 186032
2025 07 22.850878	17 16 13.34	-18 04 14.0	16.7 G	G17 – BAS Observatory, Scandicci	MPC 186032
2025 07 22.85325	17 16 12.95	-18 04 13.3	17.4 G	G00 – AZM Martinsberg, Oed	MPC 186032
2025 07 22.85618	17 16 12.478	-18 04 12.94	16.8 R	056 – Skalnate Pleso	MPC 186032

2025 07 22.85633	17 16 12.46	-18 04 12.8	17.3 G	G00 – AZM Martinsberg, Oed	MPC 186032
2025 07 22.85940	17 16 11.96	-18 04 12.9	17.0 G	G00 – AZM Martinsberg, Oed	MPC 186032
2025 07 22.861672	17 16 11.61	-18 04 12.0		K88 – GINOP-KHK, Piszkesteto	MPC 186032
2025 07 22.86168	17 16 11.568	-18 04 11.39	17.4 G	L54 – Berthelot Observatory, Hunedoara	MPC 186032
2025 07 22.865792	17 16 10.98	-18 04 11.1	16.8 G	G17 – BAS Observatory, Scandicci	MPC 186032
2025 07 22.867054	17 16 10.73	-18 04 10.8	17.6 G	K88 – GINOP-KHK, Piszkesteto	MPC 186032
2025 07 22.86867	17 16 10.49	-18 04 10.5	17.2 G	G00 – AZM Martinsberg, Oed	MPC 186032
2025 07 22.87134	17 16 10.114	-18 04 10.42	17.2 R	056 – Skalnate Pleso	MPC 186032
2025 07 22.87739	17 16 09.06	-18 04 09.1	17.3 G	C40 – Kuban State University Astrophysical Observato	MPC 186032
2025 07 22.87823	17 16 08.934	-18 04 08.53	17.6 G	095 – Crimea-Nauchnyi	MPC 186032
2025 07 22.880299	17 16 08.70	-18 04 08.8	17.3 G	958 – Observatoire de Dax	MPC 186032
2025 07 22.880746	17 16 08.58	-18 04 08.1	17.0 G	G17 – BAS Observatory, Scandicci	MPC 186032
2025 07 22.88919	17 16 07.207	-18 04 06.49	17.3 G	L54 – Berthelot Observatory, Hunedoara	MPC 186032
2025 07 22.89029	17 16 07.102	-18 04 06.71	16.7 R	056 – Skalnate Pleso	MPC 186032
2025 07 22.893946	17 16 06.52	-18 04 05.8	17.1 G	958 – Observatoire de Dax	MPC 186032
2025 07 22.89407	17 16 06.470	-18 04 06.78	16.5 R	056 – Skalnate Pleso	MPC 186032
2025 07 22.89484	17 16 06.32	-18 04 04.9	17.5 G	C40 – Kuban State University Astrophysical Observato	MPC 186032
2025 07 22.897655	17 16 05.94	-18 04 05.3	17.1 G	958 – Observatoire de Dax	MPC 186032
2025 07 22.907494	17 16 04.38	-18 04 03.3	17.1 G	958 – Observatoire de Dax	MPC 186032
2025 07 22.91229	17 16 03.57	-18 04 01.6	17.2 G	C40 – Kuban State University Astrophysical Observato	MPC 186032
2025 07 22.920942	17 16 02.21	-18 04 00.3	17.0 G	958 – Observatoire de Dax	MPC 186032
2025 07 22.945426	17 15 58.35	-18 03 56.5	17.3 G	958 – Observatoire de Dax	MPC 186032
2025 07 22.961640	17 15 55.710	-18 03 50.02	17.98 G	K92 – Sutherland-LCO B	MPC 186032
2025 07 22.968675	17 15 54.591	-18 03 48.62	17.77 G	K92 – Sutherland-LCO B	MPC 186032
2025 07 22.969899	17 15 54.47	-18 03 51.8	16.9 G	958 – Observatoire de Dax	MPC 186032
2025 07 22.972236	17 15 54.014	-18 03 48.14	17.95 G	K92 – Sutherland-LCO B	MPC 186032
2025 07 22.975749	17 15 53.478	-18 03 47.42	17.71 G	K92 – Sutherland-LCO B	MPC 186032
2025 07 22.99328	17 15 50.750	-18 03 47.12	17.6 G	G40 – Slooh.com Canary Islands Observatory	MPC 186032
2025 07 22.995238	17 15 50.44	-18 03 46.8	17.4 G	958 – Observatoire de Dax	MPC 186032
2025 07 23.00434	17 15 48.974	-18 03 45.25	17.9 G	G40 – Slooh.com Canary Islands Observatory	MPC 186032
2025 07 23.020895	17 15 46.40	-18 03 43.4	17.4 G	958 – Observatoire de Dax	MPC 186032
2025 07 23.04931	17 15 41.849	-18 03 36.61	17.0 G	G40 – Slooh.com Canary Islands Observatory	MPC 186032
2025 07 23.06314	17 15 39.626	-18 03 34.67	16.8 G	G40 – Slooh.com Canary Islands Observatory	MPC 186032
2025 07 23.13256	17 15 29.11	-18 03 20.2	17.4 r	829 – Complejo Astronomico El Leoncito	MPC 187162
2025 07 23.15457	17 15 25.55	-18 03 16.1	17.3 r	829 – Complejo Astronomico El Leoncito	MPC 187162
2025 07 23.16031	17 15 24.41	-18 03 16.9	17.22 T	H45 – Arkansas Sky Obs., Petit Jean Mountain South	MPC 186032
2025 07 23.16247	17 15 24.05	-18 03 16.5	16.91 T	H45 – Arkansas Sky Obs., Petit Jean Mountain South	MPC 186032
2025 07 23.16321	17 15 24.16	-18 03 14.3	17.3 r	829 – Complejo Astronomico El Leoncito	MPC 187162
2025 07 23.16398	17 15 23.79	-18 03 16.5	17.89 T	H45 – Arkansas Sky Obs., Petit Jean Mountain South	MPC 186032
2025 07 23.16445	17 15 23.97	-18 03 14.5	17.2 r	829 – Complejo Astronomico El Leoncito	MPC 187162
2025 07 23.16568	17 15 23.76	-18 03 14.3	17.3 r	829 – Complejo Astronomico El Leoncito	MPC 187162

2025 07 23.16639	17 15 23.40	-18 03 16.3	17.45 T	H45 – Arkansas Sky Obs., Petit Jean Mountain South	MPC 186032
2025 07 23.17065	17 15 22.75	-18 03 15.3	17.66 T	H45 – Arkansas Sky Obs., Petit Jean Mountain South	MPC 186032
2025 07 23.44319	17 14 39.59	-18 02 21.0	17.0 T	Q62 – iTelescope Observatory, Siding Spring	MPC 186032
2025 07 23.44932	17 14 38.64	-18 02 20.4		Q62 – iTelescope Observatory, Siding Spring	MPC 186032
2025 07 23.45547	17 14 37.65	-18 02 19.4		Q62 – iTelescope Observatory, Siding Spring	MPC 186032
2025 07 23.49122	17 14 31.97	-18 02 15.8		Q11 – Shinshiro	MPC 186032
2025 07 23.49622	17 14 31.16	-18 02 15.0	16.8 T	Q11 – Shinshiro	MPC 186032
2025 07 23.49831	17 14 30.80	-18 02 14.8		Q23 – Sukagawa	MPC 186032
2025 07 23.50189	17 14 30.26	-18 02 13.9		Q11 – Shinshiro	MPC 186032
2025 07 23.51520	17 14 28.13	-18 02 11.5	16.7 T	Q23 – Sukagawa	MPC 186032
2025 07 23.527119	17 14 26.216	-18 02 06.15	17.91 G	Q64 – Siding Spring-LCO B	MPC 186032
2025 07 23.530664	17 14 25.658	-18 02 05.41	17.93 G	Q64 – Siding Spring-LCO B	MPC 186032
2025 07 23.534200	17 14 25.092	-18 02 04.73	17.98 G	Q64 – Siding Spring-LCO B	MPC 186032
2025 07 23.537750	17 14 24.509	-18 02 04.00	17.91 G	Q64 – Siding Spring-LCO B	MPC 186032
2025 07 23.541316	17 14 23.948	-18 02 03.23	17.82 G	Q64 – Siding Spring-LCO B	MPC 186032
2025 07 23.544852	17 14 23.376	-18 02 02.63	17.94 G	Q64 – Siding Spring-LCO B	MPC 186032
2025 07 23.548378	17 14 22.811	-18 02 01.99	17.87 G	Q64 – Siding Spring-LCO B	MPC 186032
2025 07 23.63351	17 14 09.127	-18 01 47.78	17.3 V	Q14 – Goto Astronomical Observatory in Yatsugatake	MPC 187162
2025 07 23.64095	17 14 08.035	-18 01 44.87	16.4 V	Q14 – Goto Astronomical Observatory in Yatsugatake	MPC 187162
2025 07 23.64807	17 14 06.773	-18 01 47.42	16.9 V	Q14 – Goto Astronomical Observatory in Yatsugatake	MPC 187162
2025 07 23.79340	17 13 43.95	-18 01 19.4	17.2 G	C40 – Kuban State University Astrophysical Observato	MPC 186032
2025 07 23.81085	17 13 41.18	-18 01 16.0	17.5 G	C40 – Kuban State University Astrophysical Observato	MPC 186032
2025 07 23.82811	17 13 38.43	-18 01 12.6	17.2 G	C40 – Kuban State University Astrophysical Observato	MPC 186032
2025 07 23.841965	17 13 36.247	-18 01 06.78	16.90 o	M22 – ATLAS South Africa, Sutherland	MPC 186032
2025 07 23.84314	17 13 36.101	-18 01 09.77	17.3 R	056 – Skalnate Pleso	MPC 186032
2025 07 23.84692	17 13 35.462	-18 01 09.12	17.1 R	056 – Skalnate Pleso	MPC 186033
2025 07 23.853023	17 13 34.49	-18 01 07.5	17.3 G	K88 – GINOP-KHK, Piszkesteto	MPC 186033
2025 07 23.85829	17 13 33.629	-18 01 07.03	16.9 R	056 – Skalnate Pleso	MPC 186033
2025 07 23.858426	17 13 33.62	-18 01 06.9		K88 – GINOP-KHK, Piszkesteto	MPC 186033
2025 07 23.862462	17 13 32.97	-18 01 06.4	17.2 G	K88 – GINOP-KHK, Piszkesteto	MPC 186033
2025 07 23.86587	17 13 32.431	-18 01 06.28	16.9 R	056 – Skalnate Pleso	MPC 186033
2025 07 23.86742	17 13 32.20	-18 01 05.1	17.1 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 186033
2025 07 23.87557	17 13 30.89	-18 01 03.6	17.2 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 186033
2025 07 23.88372	17 13 29.58	-18 01 02.6	17.0 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 186033
2025 07 23.90471	17 13 26.189	-18 00 58.90	16.8 G	G19 – Immanuel Kant Observatory,Limbach	MPC 186033
2025 07 23.91205	17 13 25.102	-18 00 57.74	16.9 G	G19 – Immanuel Kant Observatory,Limbach	MPC 186033
2025 07 23.92147	17 13 23.606	-18 00 54.90	17.2 G	Z10 – PGC, Fregenal de la Sierra	MPC 186033
2025 07 23.92935	17 13 22.411	-18 00 53.89	17.4 G	Z10 – PGC, Fregenal de la Sierra	MPC 186033
2025 07 23.93809	17 13 20.945	-18 00 51.66	17.4 G	Z10 – PGC, Fregenal de la Sierra	MPC 186033
2025 07 23.96142	17 13 17.21	-18 00 47.3	17.3 V	Y88 – ASERO, Valdin	MPC 186033
2025 07 23.96873	17 13 15.99	-18 00 45.9	17.2 V	Y88 – ASERO, Valdin	MPC 186033

2025 07 23.971710	17 13 15.490	-18 00 41.80	16.79 o	M22 – ATLAS South Africa, Sutherland	MPC 186033
2025 07 23.974649	17 13 15.271	-18 00 41.48	17.78 G	W85 – Cerro Tololo-LCO A	MPC 186033
2025 07 23.97499	17 13 14.98	-18 00 44.2	17.4 V	Y88 – ASERO, Valdin	MPC 186033
2025 07 23.978175	17 13 14.709	-18 00 40.72	17.93 G	W85 – Cerro Tololo-LCO A	MPC 186033
2025 07 23.981704	17 13 14.144	-18 00 40.20	17.81 G	W85 – Cerro Tololo-LCO A	MPC 186033
2025 07 23.985236	17 13 13.578	-18 00 39.55	17.75 G	W85 – Cerro Tololo-LCO A	MPC 186033
2025 07 23.988198	17 13 12.862	-18 00 38.56	16.80 o	M22 – ATLAS South Africa, Sutherland	MPC 186033
2025 07 23.988759	17 13 13.015	-18 00 38.85	17.79 G	W85 – Cerro Tololo-LCO A	MPC 186033
2025 07 23.992279	17 13 12.453	-18 00 38.18	17.80 G	W85 – Cerro Tololo-LCO A	MPC 186033
2025 07 24.016578	17 13 08.584	-18 00 33.94	19.0 G	309 – Cerro Paranal	MPC 186033
2025 07 24.017966	17 13 08.361	-18 00 33.67	19.1 G	309 – Cerro Paranal	MPC 186033
2025 07 24.05987	17 13 01.620	-18 00 25.45	17.5 V	W89 – Cerro Tololo-LCO Aqawan A #1	MPC 186033
2025 07 24.06352	17 13 01.034	-18 00 24.73	17.6 V	W89 – Cerro Tololo-LCO Aqawan A #1	MPC 186033
2025 07 24.06714	17 13 00.454	-18 00 24.05	17.6 V	W89 – Cerro Tololo-LCO Aqawan A #1	MPC 186033
2025 07 24.13478	17 12 49.675	-18 00 14.08	17.6 V	H36 – Sandlot Observatory, Scranton	MPC 186033
2025 07 24.14422	17 12 48.146	-18 00 12.74	17.7 V	H36 – Sandlot Observatory, Scranton	MPC 186033
2025 07 24.15476	17 12 46.471	-18 00 10.19	17.6 V	H36 – Sandlot Observatory, Scranton	MPC 186033
2025 07 24.180661	17 12 42.253	-18 00 02.25	17.52 G	W85 – Cerro Tololo-LCO A	MPC 186033
2025 07 24.184186	17 12 41.699	-18 00 01.43	17.80 G	W85 – Cerro Tololo-LCO A	MPC 186033
2025 07 24.187711	17 12 41.133	-18 00 00.75	17.92 G	W85 – Cerro Tololo-LCO A	MPC 186033
2025 07 24.191259	17 12 40.559	-18 00 00.07	17.85 G	W85 – Cerro Tololo-LCO A	MPC 186033
2025 07 24.194779	17 12 40.001	-17 59 59.34	17.81 G	W85 – Cerro Tololo-LCO A	MPC 186033
2025 07 24.198297	17 12 39.431	-17 59 58.68	17.87 G	W85 – Cerro Tololo-LCO A	MPC 186033
2025 07 24.201829	17 12 38.873	-17 59 57.92	17.70 G	W85 – Cerro Tololo-LCO A	MPC 186033
2025 07 24.215276	17 12 36.858	-17 59 58.92	17.86 g	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 24.238817	17 12 33.028	-17 59 54.34	17.04 g	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 24.44119	17 12 00.86	-17 59 11.8	17.3 G	Q62 – iTelescope Observatory, Siding Spring	MPC 186033
2025 07 24.44415	17 12 00.39	-17 59 11.3	17.3 G	Q62 – iTelescope Observatory, Siding Spring	MPC 186033
2025 07 24.44710	17 11 59.91	-17 59 10.8	17.3 G	Q62 – iTelescope Observatory, Siding Spring	MPC 186033
2025 07 24.45004	17 11 59.44	-17 59 10.2	17.1 G	Q62 – iTelescope Observatory, Siding Spring	MPC 186033
2025 07 24.45298	17 11 58.96	-17 59 09.6	17.0 G	Q62 – iTelescope Observatory, Siding Spring	MPC 186033
2025 07 24.45567	17 11 58.53	-17 59 09.1	17.1 G	Q62 – iTelescope Observatory, Siding Spring	MPC 186033
2025 07 24.45826	17 11 58.11	-17 59 08.7	17.1 G	Q62 – iTelescope Observatory, Siding Spring	MPC 186033
2025 07 24.46085	17 11 57.69	-17 59 08.1	17.0 G	Q62 – iTelescope Observatory, Siding Spring	MPC 186033
2025 07 24.47630	17 11 55.24	-17 59 08.1		Q11 – Shinshiro	MPC 186033
2025 07 24.48767	17 11 53.41	-17 59 05.9	16.7 T	Q11 – Shinshiro	MPC 186033
2025 07 24.48873	17 11 53.210	-17 59 02.26	17.2 V	Q73 – Buckthorn, Thornton	MPC 186033
2025 07 24.49579	17 11 52.056	-17 59 01.00	17.1 V	Q73 – Buckthorn, Thornton	MPC 186033
2025 07 24.50285	17 11 50.945	-17 58 59.70	17.3 V	Q73 – Buckthorn, Thornton	MPC 186033
2025 07 24.50400	17 11 50.79	-17 59 02.7		Q11 – Shinshiro	MPC 186033
2025 07 24.540253	17 11 44.940	-17 58 52.59	17.76 G	Q63 – Siding Spring-LCO A	MPC 186033

2025 07 24.543794	17 11 44.380	-17 58 51.75	17.69 G	Q63 – Siding Spring-LCO A	MPC 186033
2025 07 24.547344	17 11 43.810	-17 58 51.11	17.73 G	Q63 – Siding Spring-LCO A	MPC 186033
2025 07 24.550895	17 11 43.229	-17 58 50.51	17.80 G	Q63 – Siding Spring-LCO A	MPC 186033
2025 07 24.554471	17 11 42.661	-17 58 49.68	17.79 G	Q63 – Siding Spring-LCO A	MPC 186033
2025 07 24.558015	17 11 42.099	-17 58 49.05	17.86 G	Q63 – Siding Spring-LCO A	MPC 186033
2025 07 24.561545	17 11 41.528	-17 58 48.31	17.88 G	Q63 – Siding Spring-LCO A	MPC 186033
2025 07 24.80999	17 11 01.89	-17 58 03.0	17.2 G	C40 – Kuban State University Astrophysical Observato	MPC 186033
2025 07 24.810664	17 11 01.787	-17 58 02.87	17.57 G	L92 – San Costantino	MPC 186033
2025 07 24.814204	17 11 01.253	-17 58 02.80	17.62 G	L92 – San Costantino	MPC 186033
2025 07 24.819514	17 11 00.411	-17 58 02.31	17.74 G	L92 – San Costantino	MPC 186033
2025 07 24.821284	17 11 00.023	-17 58 01.01	17.87 G	L92 – San Costantino	MPC 186033
2025 07 24.82310	17 10 59.777	-17 58 01.31	17.0 G	L54 – Berthelot Observatory, Hunedoara	MPC 186033
2025 07 24.824823	17 10 59.439	-17 57 59.34	17.37 G	L92 – San Costantino	MPC 186033
2025 07 24.82559	17 10 59.39	-17 57 59.9	17.4 G	C40 – Kuban State University Astrophysical Observato	MPC 186033
2025 07 24.84100	17 10 56.92	-17 57 57.0	17.5 G	C40 – Kuban State University Astrophysical Observato	MPC 186033
2025 07 24.86051	17 10 53.82	-17 57 49.8	17.0 G	194 – Tivoli	MPC 186033
2025 07 24.86358	17 10 53.31	-17 57 49.3	17.0 G	194 – Tivoli	MPC 186033
2025 07 24.86663	17 10 52.83	-17 57 48.8	17.0 G	194 – Tivoli	MPC 186033
2025 07 24.86966	17 10 52.33	-17 57 48.1	16.7 G	194 – Tivoli	MPC 186033
2025 07 24.87277	17 10 51.83	-17 57 47.5	16.9 G	194 – Tivoli	MPC 186033
2025 07 24.87581	17 10 51.34	-17 57 47.0	17.1 G	194 – Tivoli	MPC 186033
2025 07 24.882043	17 10 50.43	-17 57 49.0	17.2 G	958 – Observatoire de Dax	MPC 186033
2025 07 24.88685	17 10 49.505	-17 57 48.17	16.9 G	L54 – Berthelot Observatory, Hunedoara	MPC 186033
2025 07 24.897807	17 10 47.86	-17 57 45.7	16.9 G	958 – Observatoire de Dax	MPC 186033
2025 07 24.902780	17 10 47.08	-17 57 44.5	17.1 G	958 – Observatoire de Dax	MPC 186033
2025 07 24.913551	17 10 45.32	-17 57 42.7	17.0 G	958 – Observatoire de Dax	MPC 186033
2025 07 24.92019	17 10 44.191	-17 57 40.72	16.9 G	L54 – Berthelot Observatory, Hunedoara	MPC 186033
2025 07 24.927002	17 10 43.20	-17 57 39.1	16.9 G	958 – Observatoire de Dax	MPC 186033
2025 07 24.94315	17 10 40.61	-17 57 36.6	17.7 V	Y88 – ASERO, Valdin	MPC 186033
2025 07 24.95046	17 10 39.42	-17 57 35.1	17.6 V	Y88 – ASERO, Valdin	MPC 186033
2025 07 24.950907	17 10 39.33	-17 57 34.0	16.8 G	958 – Observatoire de Dax	MPC 186033
2025 07 24.95672	17 10 38.42	-17 57 34.2	17.6 V	Y88 – ASERO, Valdin	MPC 186033
2025 07 24.966726	17 10 36.908	-17 57 29.26	17.3 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186033
2025 07 24.974432	17 10 35.51	-17 57 30.8	17.3 G	958 – Observatoire de Dax	MPC 186033
2025 07 24.977470	17 10 35.147	-17 57 27.33	17.7 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186033
2025 07 24.987837	17 10 33.441	-17 57 25.62	16.3 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186033
2025 07 24.994925	17 10 32.397	-17 57 23.82	18.0 g	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186033
2025 07 24.995645	17 10 32.321	-17 57 23.27	17.7 g	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186033
2025 07 24.998524	17 10 31.842	-17 57 22.72	18.3 g	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186033
2025 07 25.002153	17 10 31.269	-17 57 22.14	17.2 r	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186033
2025 07 25.005752	17 10 30.701	-17 57 21.18	17.5 r	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186033

2025 07 25.009352	17 10 30.174	-17 57 20.17	17.2 r	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186033
2025 07 25.012979	17 10 29.506	-17 57 19.79	17.0 i	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186033
2025 07 25.016580	17 10 28.949	-17 57 19.16	16.9 i	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186033
2025 07 25.020181	17 10 28.360	-17 57 18.53	16.8 i	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186033
2025 07 25.023830	17 10 27.766	-17 57 17.46	17.6 V	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186033
2025 07 25.027431	17 10 27.197	-17 57 17.14	17.6 V	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186033
2025 07 25.031030	17 10 26.629	-17 57 16.66	17.6 V	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186033
2025 07 25.09406	17 10 16.50	-17 57 05.9	16.4 V	W13 – Star Quarry Observatory, Bedford	MPC 186033
2025 07 25.09997	17 10 15.56	-17 57 05.4	17.0 V	W13 – Star Quarry Observatory, Bedford	MPC 186033
2025 07 25.10600	17 10 14.57	-17 57 03.9		W13 – Star Quarry Observatory, Bedford	MPC 186033
2025 07 25.120768	17 10 12.142	-17 56 58.13	17.33 c	W68 – ATLAS Chile, Rio Hurtado	MPC 186034
2025 07 25.129880	17 10 10.675	-17 56 56.18	17.50 c	W68 – ATLAS Chile, Rio Hurtado	MPC 186034
2025 07 25.14223	17 10 08.794	-17 56 56.90	17.2 G	V21 – Cewanee Observatory at DSNM	MPC 186034
2025 07 25.153742	17 10 06.939	-17 56 54.32	17.1 G	V11 – Saguaro Observatory, Tucson	MPC 186034
2025 07 25.155547	17 10 06.545	-17 56 50.93	17.53 c	W68 – ATLAS Chile, Rio Hurtado	MPC 186034
2025 07 25.15763	17 10 06.312	-17 56 53.81	17.4 G	V21 – Cewanee Observatory at DSNM	MPC 186034
2025 07 25.158904	17 10 06.067	-17 56 53.52	17.4 G	V11 – Saguaro Observatory, Tucson	MPC 186034
2025 07 25.17299	17 10 03.838	-17 56 50.57	17.3 G	V21 – Cewanee Observatory at DSNM	MPC 186034
2025 07 25.180299	17 10 02.555	-17 56 46.10	17.83 G	W85 – Cerro Tololo-LCO A	MPC 186034
2025 07 25.183829	17 10 02.004	-17 56 45.28	17.83 G	W85 – Cerro Tololo-LCO A	MPC 186034
2025 07 25.187373	17 10 01.417	-17 56 44.52	17.86 G	W85 – Cerro Tololo-LCO A	MPC 186034
2025 07 25.190896	17 10 00.853	-17 56 43.95	17.80 G	W85 – Cerro Tololo-LCO A	MPC 186034
2025 07 25.194417	17 10 00.280	-17 56 43.24	17.78 G	W85 – Cerro Tololo-LCO A	MPC 186034
2025 07 25.197950	17 09 59.705	-17 56 42.52	17.82 G	W85 – Cerro Tololo-LCO A	MPC 186034
2025 07 25.19856	17 09 59.714	-17 56 45.17	17.3 G	V21 – Cewanee Observatory at DSNM	MPC 186034
2025 07 25.201472	17 09 59.137	-17 56 41.73	17.79 G	W85 – Cerro Tololo-LCO A	MPC 186034
2025 07 25.22010	17 09 56.254	-17 56 40.96	17.2 G	V21 – Cewanee Observatory at DSNM	MPC 186034
2025 07 25.22635	17 09 55.22	-17 56 39.7	17.3 G	V21 – Cewanee Observatory at DSNM	MPC 186034
2025 07 25.24061	17 09 52.96	-17 56 37.1	17.2 G	V21 – Cewanee Observatory at DSNM	MPC 186034
2025 07 25.24200	17 09 52.711	-17 56 36.49	17.2 G	V21 – Cewanee Observatory at DSNM	MPC 186034
2025 07 25.25486	17 09 50.62	-17 56 34.1	17.2 G	V21 – Cewanee Observatory at DSNM	MPC 186034
2025 07 25.26910	17 09 48.34	-17 56 31.0	17.2 G	V21 – Cewanee Observatory at DSNM	MPC 186034
2025 07 25.27120	17 09 48.002	-17 56 30.70	18.0 G	V21 – Cewanee Observatory at DSNM	MPC 186034
2025 07 25.28334	17 09 46.04	-17 56 28.2	17.4 G	V21 – Cewanee Observatory at DSNM	MPC 186034
2025 07 25.29309	17 09 44.470	-17 56 26.41	17.4 G	V21 – Cewanee Observatory at DSNM	MPC 186034
2025 07 25.47283	17 09 15.77	-17 55 50.2	16.6 T	Q11 – Shinshiro	MPC 186034
2025 07 25.48139	17 09 14.39	-17 55 48.6		Q11 – Shinshiro	MPC 186034
2025 07 25.49048	17 09 12.95	-17 55 46.7	17.2 V	P87 – Hirao Observatory, Yamaguchi	MPC 186034
2025 07 25.49063	17 09 12.89	-17 55 46.6		Q11 – Shinshiro	MPC 186034
2025 07 25.49229	17 09 12.68	-17 55 46.5	17.4 T	D95 – Kurihara	MPC 186034
2025 07 25.49765	17 09 11.74	-17 55 45.6		D95 – Kurihara	MPC 186034

2025 07 25.49776	17 09 11.76	-17 55 45.1		P87 – Hirao Observatory, Yamaguchi	MPC 186034
2025 07 25.49905	17 09 11.460	-17 55 46.02	17.2 V	Q21 – Southern Utsunomiya	MPC 186034
2025 07 25.50257	17 09 10.958	-17 55 45.52	17.0 V	Q21 – Southern Utsunomiya	MPC 186034
2025 07 25.50504	17 09 10.63	-17 55 44.1		P87 – Hirao Observatory, Yamaguchi	MPC 186034
2025 07 25.50730	17 09 10.25	-17 55 43.5		D95 – Kurihara	MPC 186034
2025 07 25.51453	17 09 09.031	-17 55 41.41	17.3 V	Q21 – Southern Utsunomiya	MPC 186034
2025 07 25.519499	17 09 08.232	-17 55 40.66	17.2 G	900 – Moriyama	MPC 186034
2025 07 25.526543	17 09 07.092	-17 55 39.43	17.0 G	900 – Moriyama	MPC 186034
2025 07 25.533585	17 09 05.971	-17 55 38.21	17.0 G	900 – Moriyama	MPC 186034
2025 07 25.79435	17 08 24.11	-17 54 44.8	17.2 G	C40 – Kuban State University Astrophysical Observato	MPC 186034
2025 07 25.81182	17 08 21.26	-17 54 41.1	17.4 G	C40 – Kuban State University Astrophysical Observato	MPC 186034
2025 07 25.81414	17 08 20.971	-17 54 41.29	17.5 G	L54 – Berthelot Observatory, Hunedoara	MPC 186034
2025 07 25.82909	17 08 18.49	-17 54 37.5	17.2 G	C40 – Kuban State University Astrophysical Observato	MPC 186034
2025 07 25.84168	17 08 16.478	-17 54 35.82	17.3 G	L54 – Berthelot Observatory, Hunedoara	MPC 186034
2025 07 25.84656	17 08 15.73	-17 54 34.1	17.4 V	L04 – ROASTERR-1 Observatory, Cluj-Napoca	MPC 186034
2025 07 25.84931	17 08 15.27	-17 54 33.5	17.3 V	L04 – ROASTERR-1 Observatory, Cluj-Napoca	MPC 186034
2025 07 25.84987	17 08 15.17	-17 54 33.6	17.4 G	M45 – Starhopper Observatory, Sfantu Gheorghe	MPC 186034
2025 07 25.85245	17 08 14.76	-17 54 33.0	17.2 V	L04 – ROASTERR-1 Observatory, Cluj-Napoca	MPC 186034
2025 07 25.85264	17 08 14.71	-17 54 33.1	17.3 G	M45 – Starhopper Observatory, Sfantu Gheorghe	MPC 186034
2025 07 25.85543	17 08 14.25	-17 54 32.7	17.4 G	M45 – Starhopper Observatory, Sfantu Gheorghe	MPC 186034
2025 07 25.85773	17 08 13.877	-17 54 31.82	17.5 G	095 – Crimea-Nauchnyi	MPC 186034
2025 07 25.87412	17 08 11.219	-17 54 28.36	17.5 G	095 – Crimea-Nauchnyi	MPC 186034
2025 07 25.89383	17 08 08.045	-17 54 24.26	17.4 G	L54 – Berthelot Observatory, Hunedoara	MPC 186034
2025 07 25.89431	17 08 08.06	-17 54 24.1	17.9 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 186034
2025 07 25.89633	17 08 07.661	-17 54 23.76	16.4 R	C23 – Olmen	MPC 186034
2025 07 25.90644	17 08 06.12	-17 54 22.0	16.8 G	G06 – Dordrecht, Sterrenburg	MPC 186034
2025 07 25.90794	17 08 05.784	-17 54 21.35	16.6 R	C23 – Olmen	MPC 186034
2025 07 25.90877	17 08 05.71	-17 54 21.0	17.8 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 186034
2025 07 25.91002	17 08 05.46	-17 54 21.7	16.5 G	G06 – Dordrecht, Sterrenburg	MPC 186034
2025 07 25.910678	17 08 05.340	-17 54 17.67	17.75 G	K91 – Sutherland-LCO A	MPC 186034
2025 07 25.911003	17 08 05.33	-17 54 20.8	17.1 G	958 – Observatoire de Dax	MPC 186034
2025 07 25.91361	17 08 04.88	-17 54 21.4	16.7 G	G06 – Dordrecht, Sterrenburg	MPC 186034
2025 07 25.914201	17 08 04.777	-17 54 16.87	17.79 G	K91 – Sutherland-LCO A	MPC 186034
2025 07 25.91542	17 08 04.639	-17 54 20.52	17.0 R	C23 – Olmen	MPC 186034
2025 07 25.917721	17 08 04.200	-17 54 16.13	17.73 G	K91 – Sutherland-LCO A	MPC 186034
2025 07 25.92033	17 08 03.83	-17 54 18.9	17.8 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 186034
2025 07 25.921256	17 08 03.627	-17 54 15.40	17.81 G	K91 – Sutherland-LCO A	MPC 186034
2025 07 25.924777	17 08 03.056	-17 54 14.62	17.86 G	K91 – Sutherland-LCO A	MPC 186034
2025 07 25.928318	17 08 02.490	-17 54 13.95	17.92 G	K91 – Sutherland-LCO A	MPC 186034
2025 07 25.931855	17 08 01.932	-17 54 13.16	17.82 G	K91 – Sutherland-LCO A	MPC 186034
2025 07 25.932776	17 08 01.82	-17 54 16.2	17.3 G	958 – Observatoire de Dax	MPC 186034

2025 07 25.93338	17 08 01.675	-17 54 16.09	17.4 R	C23 – Olmen	MPC 186034
2025 07 25.93768	17 08 01.04	-17 54 15.1	17.7 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 186034
2025 07 25.94155	17 08 00.38	-17 54 14.6	17.6 V	Y88 – ASERO, Valdin	MPC 186034
2025 07 25.94886	17 07 59.24	-17 54 12.7	17.6 V	Y88 – ASERO, Valdin	MPC 186034
2025 07 25.954189	17 07 58.35	-17 54 11.6	17.0 G	958 – Observatoire de Dax	MPC 186034
2025 07 25.95512	17 07 58.20	-17 54 11.6	17.6 V	Y88 – ASERO, Valdin	MPC 186034
2025 07 25.96080	17 07 57.31	-17 54 10.2	17.9 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 186034
2025 07 25.976538	17 07 54.74	-17 54 06.7	17.0 G	958 – Observatoire de Dax	MPC 186034
2025 07 25.97816	17 07 54.47	-17 54 06.7	18.1 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 186034
2025 07 25.999545	17 07 50.99	-17 54 02.5	17.3 G	958 – Observatoire de Dax	MPC 186034
2025 07 26.15916	17 07 25.457	-17 53 29.22	16.9 G	V16 – Dark Sky New Mexico, Animas	MPC 186034
2025 07 26.16160	17 07 25.128	-17 53 29.18	17.0 G	V16 – Dark Sky New Mexico, Animas	MPC 186034
2025 07 26.16931	17 07 23.810	-17 53 27.49	17.4 G	V16 – Dark Sky New Mexico, Animas	MPC 186034
2025 07 26.17251	17 07 23.304	-17 53 26.81	17.3 G	V16 – Dark Sky New Mexico, Animas	MPC 186034
2025 07 26.193316	17 07 19.908	-17 53 22.22	17.67 g	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 26.194255	17 07 19.757	-17 53 21.85	17.68 g	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 26.21206	17 07 16.894	-17 53 18.06	16.9 G	V21 – Cewanee Observatory at DSNM	MPC 186034
2025 07 26.22664	17 07 14.510	-17 53 15.14	17.2 G	V21 – Cewanee Observatory at DSNM	MPC 186034
2025 07 26.25580	17 07 09.797	-17 53 08.99	16.9 G	V21 – Cewanee Observatory at DSNM	MPC 186034
2025 07 26.257577	17 07 09.508	-17 53 08.45	17.00 r	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 26.27039	17 07 07.426	-17 53 05.96	16.9 G	V21 – Cewanee Observatory at DSNM	MPC 186034
2025 07 26.28498	17 07 05.054	-17 53 02.87	17.0 G	V21 – Cewanee Observatory at DSNM	MPC 186034
2025 07 26.29956	17 07 02.702	-17 52 59.52	16.9 G	V21 – Cewanee Observatory at DSNM	MPC 186034
2025 07 26.31416	17 07 00.324	-17 52 57.07	16.9 G	V21 – Cewanee Observatory at DSNM	MPC 186034
2025 07 26.32875	17 06 57.946	-17 52 52.97	16.5 G	V21 – Cewanee Observatory at DSNM	MPC 186034
2025 07 26.49781	17 06 30.84	-17 52 18.2		Q11 – Shinshiro	MPC 186034
2025 07 26.50660	17 06 29.44	-17 52 16.5	17.0 V	P87 – Hirao Observatory, Yamaguchi	MPC 186034
2025 07 26.51131	17 06 28.65	-17 52 15.3		Q11 – Shinshiro	MPC 186034
2025 07 26.51680	17 06 27.76	-17 52 14.0		P87 – Hirao Observatory, Yamaguchi	MPC 186034
2025 07 26.52339	17 06 26.69	-17 52 12.9	16.5 T	Q11 – Shinshiro	MPC 186034
2025 07 26.52442	17 06 26.54	-17 52 12.7		P87 – Hirao Observatory, Yamaguchi	MPC 186034
2025 07 26.53461	17 06 24.89	-17 52 10.5		P87 – Hirao Observatory, Yamaguchi	MPC 186034
2025 07 26.77197	17 05 46.63	-17 51 20.2	17.3 G	094 – Crimea-Simeiz	MPC 186034
2025 07 26.77414	17 05 46.28	-17 51 20.0	17.4 G	094 – Crimea-Simeiz	MPC 186034
2025 07 26.77631	17 05 45.90	-17 51 19.4	17.4 G	094 – Crimea-Simeiz	MPC 186034
2025 07 26.78782	17 05 44.04	-17 51 16.9	17.3 G	094 – Crimea-Simeiz	MPC 186034
2025 07 26.79051	17 05 43.60	-17 51 16.5	17.1 G	C40 – Kuban State University Astrophysical Observato	MPC 186034
2025 07 26.80795	17 05 40.79	-17 51 12.7	17.1 G	C40 – Kuban State University Astrophysical Observato	MPC 186035
2025 07 26.82519	17 05 37.98	-17 51 08.9	16.8 G	C40 – Kuban State University Astrophysical Observato	MPC 186035
2025 07 26.833092	17 05 36.713	-17 51 04.00	16.81 o	M22 – ATLAS South Africa, Sutherland	MPC 186035
2025 07 26.836268	17 05 36.204	-17 51 03.20	16.66 o	M22 – ATLAS South Africa, Sutherland	MPC 186035

2025 07 26.83694	17 05 36.064	-17 51 06.59	17.5 G	095 – Crimea-Nauchnyi	MPC 186035
2025 07 26.850220	17 05 33.936	-17 51 00.14	16.95 o	M22 – ATLAS South Africa, Sutherland	MPC 186035
2025 07 26.85468	17 05 33.228	-17 51 03.24	17.1 G	C77 – Bernezzo Observatory	MPC 186035
2025 07 26.856111	17 05 32.974	-17 50 58.92	16.76 o	M22 – ATLAS South Africa, Sutherland	MPC 186035
2025 07 26.85741	17 05 32.745	-17 51 01.95	17.5 G	095 – Crimea-Nauchnyi	MPC 186035
2025 07 26.85872	17 05 32.57	-17 51 02.3	16.9 G	R83 – Observatoire Banon La Tuilerie, Banon	MPEC V36
2025 07 26.86054	17 05 32.318	-17 51 01.44	17.1 r	232 – Masquefa Observatory	MPC 186035
2025 07 26.86154	17 05 32.14	-17 51 02.1	16.9 G	R83 – Observatoire Banon La Tuilerie, Banon	MPEC V36
2025 07 26.86273	17 05 31.882	-17 51 01.33	17.1 G	C77 – Bernezzo Observatory	MPC 186035
2025 07 26.86334	17 05 31.771	-17 51 04.10	16.0 G	A92 – Urseanu Observatory, Bucharest	MPC 186035
2025 07 26.86606	17 05 31.35	-17 51 00.5	16.9 G	R83 – Observatoire Banon La Tuilerie, Banon	MPEC V36
2025 07 26.87009	17 05 30.68	-17 50 59.0	17.2 G	R83 – Observatoire Banon La Tuilerie, Banon	MPEC V36
2025 07 26.87333	17 05 30.041	-17 50 59.60	16.0 G	A92 – Urseanu Observatory, Bucharest	MPC 186035
2025 07 26.88249	17 05 28.735	-17 50 56.80	16.9 r	232 – Masquefa Observatory	MPC 186035
2025 07 26.88331	17 05 28.495	-17 50 56.51	16.0 G	A92 – Urseanu Observatory, Bucharest	MPC 186035
2025 07 26.89405	17 05 26.86	-17 50 54.8	17.1 N	J01 – Observatorio Cielo Profundo, Leon	MPC 186035
2025 07 26.89994	17 05 25.87	-17 50 52.5	17.4 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 186035
2025 07 26.90397	17 05 25.234	-17 50 51.94	17.1 r	232 – Masquefa Observatory	MPC 186035
2025 07 26.90522	17 05 25.07	-17 50 51.4	17.1 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 186035
2025 07 26.90772	17 05 24.64	-17 50 51.2	17.1 N	J01 – Observatorio Cielo Profundo, Leon	MPC 186035
2025 07 26.90885	17 05 24.48	-17 50 50.9	17.0 N	J01 – Observatorio Cielo Profundo, Leon	MPC 186035
2025 07 26.91027	17 05 24.28	-17 50 52.9	17.1 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 186035
2025 07 26.92037	17 05 22.294	-17 50 46.90	16.1 G	J47 – Observatorio Nazaret	MPC 186035
2025 07 26.92811	17 05 21.353	-17 50 46.32	16.2 G	J47 – Observatorio Nazaret	MPC 186035
2025 07 26.93330	17 05 20.45	-17 50 46.6	17.0 V	Y88 – ASERO, Valdin	MPC 186035
2025 07 26.93441	17 05 20.378	-17 50 44.95	15.4 G	J47 – Observatorio Nazaret	MPC 186035
2025 07 26.93538	17 05 20.21	-17 50 45.2	17.2 V	Y88 – ASERO, Valdin	MPC 186035
2025 07 26.93747	17 05 19.82	-17 50 45.7	17.7 V	Y88 – ASERO, Valdin	MPC 186035
2025 07 26.93956	17 05 19.45	-17 50 44.8	17.3 V	Y88 – ASERO, Valdin	MPC 186035
2025 07 26.94165	17 05 19.18	-17 50 44.8	17.3 V	Y88 – ASERO, Valdin	MPC 186035
2025 07 26.944987	17 05 18.619	-17 50 43.22	16.89 w	R17 – ATLAS-TDO	MPC 186035
2025 07 26.94791	17 05 18.17	-17 50 42.8	17.6 V	Y88 – ASERO, Valdin	MPC 186035
2025 07 26.958946	17 05 16.368	-17 50 39.91	17.33 w	R17 – ATLAS-TDO	MPC 186035
2025 07 26.972632	17 05 14.122	-17 50 37.00	17.06 w	R17 – ATLAS-TDO	MPC 186035
2025 07 26.986326	17 05 11.878	-17 50 34.01	17.31 w	R17 – ATLAS-TDO	MPC 186035
2025 07 27.009994	17 05 08.110	-17 50 26.30	17.6 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186035
2025 07 27.022472	17 05 06.073	-17 50 23.92	17.4 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186035
2025 07 27.034159	17 05 04.175	-17 50 21.51	18.0 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186035
2025 07 27.13194	17 04 48.391	-17 50 02.98	16.3 G	H23 – Pear Tree Observatory, Valparaiso	MPC 186035
2025 07 27.14961	17 04 45.547	-17 49 59.16	16.2 G	H23 – Pear Tree Observatory, Valparaiso	MPC 186035
2025 07 27.16583	17 04 42.886	-17 49 55.70	15.8 G	H23 – Pear Tree Observatory, Valparaiso	MPC 186035

2025 07 27.18683	17 04 39.533	-17 49 50.84	16.9 G	V21 – Cewanee Observatory at DSNM	MPC 186035
2025 07 27.20162	17 04 37.126	-17 49 47.60	17.1 G	V21 – Cewanee Observatory at DSNM	MPC 186035
2025 07 27.20873	17 04 35.971	-17 49 45.95	17.1 G	V21 – Cewanee Observatory at DSNM	MPC 186035
2025 07 27.211692	17 04 35.512	-17 49 45.90	16.61 i	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 27.22333	17 04 33.605	-17 49 43.00	16.9 G	V21 – Cewanee Observatory at DSNM	MPC 186035
2025 07 27.23793	17 04 31.214	-17 49 39.65	17.1 G	V21 – Cewanee Observatory at DSNM	MPC 186035
2025 07 27.25251	17 04 28.838	-17 49 36.44	17.1 G	V21 – Cewanee Observatory at DSNM	MPC 186035
2025 07 27.26711	17 04 26.465	-17 49 33.35	16.9 G	V21 – Cewanee Observatory at DSNM	MPC 186035
2025 07 27.28170	17 04 24.101	-17 49 30.14	16.8 G	V21 – Cewanee Observatory at DSNM	MPC 186035
2025 07 27.59803	17 03 32.94	-17 48 20.7	17.8 g	O40 – Xingyuan, Daocheng	MPC 186035
2025 07 27.61198	17 03 30.66	-17 48 17.6	17.8 g	O40 – Xingyuan, Daocheng	MPC 186035
2025 07 27.62593	17 03 28.35	-17 48 14.4	17.7 g	O40 – Xingyuan, Daocheng	MPC 186035
2025 07 27.78850	17 03 02.07	-17 47 39.6	16.9 G	C40 – Kuban State University Astrophysical Observato	MPC 186035
2025 07 27.80575	17 02 59.25	-17 47 35.5	17.1 G	C40 – Kuban State University Astrophysical Observato	MPC 186035
2025 07 27.82300	17 02 56.45	-17 47 31.9	17.7 G	C40 – Kuban State University Astrophysical Observato	MPC 186035
2025 07 27.834451	17 02 54.590	-17 47 25.98	16.68 o	M22 – ATLAS South Africa, Sutherland	MPC 186035
2025 07 27.847000	17 02 52.541	-17 47 22.99	16.95 o	M22 – ATLAS South Africa, Sutherland	MPC 186035
2025 07 27.849765	17 02 52.094	-17 47 22.31	16.95 o	M22 – ATLAS South Africa, Sutherland	MPC 186035
2025 07 27.855660	17 02 51.137	-17 47 21.12	16.94 o	M22 – ATLAS South Africa, Sutherland	MPC 186035
2025 07 27.87451	17 02 48.120	-17 47 19.75	16.6 G	J51 – Observatorio Atlante, Tenerife	MPC 186035
2025 07 27.88755	17 02 46.104	-17 47 17.09	17.0 G	J51 – Observatorio Atlante, Tenerife	MPC 186035
2025 07 27.90024	17 02 43.961	-17 47 13.74	17.1 G	J51 – Observatorio Atlante, Tenerife	MPC 186035
2025 07 27.92416	17 02 40.058	-17 47 10.14	16.6 G	Z10 – PGC, Fregenal de la Sierra	MPC 186035
2025 07 27.93212	17 02 38.767	-17 47 07.66	17.0 G	Z10 – PGC, Fregenal de la Sierra	MPC 186035
2025 07 27.94090	17 02 37.318	-17 47 05.46	16.9 G	Z10 – PGC, Fregenal de la Sierra	MPC 186035
2025 07 27.95348	17 02 35.213	-17 47 02.40	16.8 G	179 – Monte Generoso	MPC 186035
2025 07 27.95679	17 02 34.699	-17 47 01.72	16.6 G	179 – Monte Generoso	MPC 186035
2025 07 27.961182	17 02 34.101	-17 46 58.25	17.2 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186035
2025 07 28.006823	17 02 26.612	-17 46 48.04	16.7 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186035
2025 07 28.04193	17 02 20.962	-17 46 41.88	16.9 G	X76 – SUN Observatory, Redencao	MPC 186035
2025 07 28.052075	17 02 19.198	-17 46 37.89	17.4 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186035
2025 07 28.05258	17 02 19.198	-17 46 37.85	17.0 G	X76 – SUN Observatory, Redencao	MPC 186035
2025 07 28.06549	17 02 17.129	-17 46 34.14	17.3 G	X76 – SUN Observatory, Redencao	MPC 186035
2025 07 28.08470	17 02 14.01	-17 46 30.8	16.6 V	X33 – OARU, Manaus	MPC 186035
2025 07 28.09655	17 02 12.01	-17 46 29.3	17.4 V	X33 – OARU, Manaus	MPC 186035
2025 07 28.10823	17 02 10.07	-17 46 28.1	15.7 V	X33 – OARU, Manaus	MPC 186035
2025 07 28.13160	17 02 06.338	-17 46 22.58	16.2 G	H23 – Pear Tree Observatory, Valparaiso	MPC 186035
2025 07 28.14804	17 02 03.629	-17 46 19.16	16.1 G	H23 – Pear Tree Observatory, Valparaiso	MPC 186035
2025 07 28.16536	17 02 00.816	-17 46 14.99	16.4 G	H23 – Pear Tree Observatory, Valparaiso	MPC 186035
2025 07 28.256442	17 01 46.002	-17 45 54.12	16.88 r	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 28.427711	17 01 18.279	-17 45 12.77	17.63 G	E10 – Siding Spring-Faulkes Telescope South	MPC 186035

2025 07 28.428870	17 01 18.081	-17 45 12.46	17.53 G	E10 – Siding Spring-Faulkes Telescope South	MPC 186035
2025 07 28.430028	17 01 17.890	-17 45 12.05	17.66 G	E10 – Siding Spring-Faulkes Telescope South	MPC 186035
2025 07 28.431212	17 01 17.709	-17 45 11.92	17.60 G	E10 – Siding Spring-Faulkes Telescope South	MPC 186035
2025 07 28.432368	17 01 17.515	-17 45 11.77	17.70 G	E10 – Siding Spring-Faulkes Telescope South	MPC 186035
2025 07 28.47700	17 01 10.27	-17 45 04.7		367 – Yatsuka	MPC 186035
2025 07 28.48105	17 01 09.59	-17 45 03.6		367 – Yatsuka	MPC 186035
2025 07 28.49089	17 01 07.99	-17 45 01.6		367 – Yatsuka	MPC 186035
2025 07 28.49494	17 01 07.31	-17 45 00.4	16.7 T	367 – Yatsuka	MPC 186035
2025 07 28.498507	17 01 06.703	-17 44 59.75	16.9 G	900 – Moriyama	MPC 186035
2025 07 28.505552	17 01 05.566	-17 44 57.98	17.0 G	900 – Moriyama	MPC 186035
2025 07 28.50716	17 01 05.280	-17 44 57.66	17.4 V	Q21 – Southern Utsunomiya	MPC 186035
2025 07 28.51106	17 01 04.663	-17 44 57.37	17.4 V	Q21 – Southern Utsunomiya	MPC 186035
2025 07 28.512598	17 01 04.423	-17 44 56.72	16.9 G	900 – Moriyama	MPC 186035
2025 07 28.51309	17 01 04.32	-17 44 56.5		D88 – Hiratsuka	MPC 186035
2025 07 28.51457	17 01 04.015	-17 44 56.04	18.2 V	Q21 – Southern Utsunomiya	MPC 186035
2025 07 28.51866	17 01 03.37	-17 44 55.1	16.0 T	D88 – Hiratsuka	MPC 186035
2025 07 28.54905	17 00 58.44	-17 44 48.3		Q23 – Sukagawa	MPC 186035
2025 07 28.55388	17 00 57.65	-17 44 47.1	16.6 T	Q23 – Sukagawa	MPC 186035
2025 07 28.56193	17 00 56.33	-17 44 45.3		Q23 – Sukagawa	MPC 186035
2025 07 28.59372	17 00 51.012	-17 44 34.91	16.7 V	323 – Perth Observatory, Bickley	MPC 186035
2025 07 28.60012	17 00 49.992	-17 44 33.65	16.8 V	323 – Perth Observatory, Bickley	MPC 186035
2025 07 28.60545	17 00 49.111	-17 44 32.21	16.9 V	323 – Perth Observatory, Bickley	MPC 186035
2025 07 28.61053	17 00 48.44	-17 44 34.1	17.6 g	O40 – Xingyuan, Daocheng	MPC 186035
2025 07 28.63494	17 00 44.44	-17 44 28.5	17.6 g	O40 – Xingyuan, Daocheng	MPC 186035
2025 07 28.65935	17 00 40.46	-17 44 22.7	17.8 g	O40 – Xingyuan, Daocheng	MPC 186035
2025 07 28.80677	17 00 16.53	-17 43 49.6	16.8 G	C40 – Kuban State University Astrophysical Observato	MPC 186035
2025 07 28.82383	17 00 13.73	-17 43 44.9	17.0 G	C40 – Kuban State University Astrophysical Observato	MPC 186036
2025 07 28.84071	17 00 10.92	-17 43 41.2	16.7 G	C40 – Kuban State University Astrophysical Observato	MPC 186036
2025 07 28.87906	17 00 04.718	-17 43 33.53	16.5 R	C23 – Olmen	MPC 186036
2025 07 28.880232	17 00 04.57	-17 43 32.6	17.0 G	958 – Observatoire de Dax	MPC 186036
2025 07 28.88431	17 00 03.931	-17 43 31.26	16.1 R	C23 – Olmen	MPC 186036
2025 07 28.88830	17 00 03.264	-17 43 30.90	16.8 r	I75 – Observatorio Los Caracoles, Castello	MPC 186036
2025 07 28.88992	17 00 02.974	-17 43 30.94	16.5 R	C23 – Olmen	MPC 186036
2025 07 28.89366	17 00 02.388	-17 43 29.21	16.3 R	C23 – Olmen	MPC 186036
2025 07 28.89740	17 00 01.766	-17 43 29.53	16.2 R	C23 – Olmen	MPC 186036
2025 07 28.90791	17 00 00.041	-17 43 26.54	16.2 r	I75 – Observatorio Los Caracoles, Castello	MPC 186036
2025 07 28.913324	16 59 59.17	-17 43 24.6	17.0 G	958 – Observatoire de Dax	MPC 186036
2025 07 28.91554	16 59 58.788	-17 43 24.56	17.4 R	C23 – Olmen	MPC 186036
2025 07 28.91570	16 59 58.77	-17 43 24.4	16.8 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186036
2025 07 28.91780	16 59 58.495	-17 43 23.74	17.2 R	C23 – Olmen	MPC 186036
2025 07 28.92038	16 59 58.02	-17 43 23.9	17.4 V	Y88 – ASERO, Valdin	MPC 186036

2025 07 28.92359	16 59 57.47	-17 43 22.5	16.8 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186036
2025 07 28.92769	16 59 56.84	-17 43 21.9	17.0 V	Y88 – ASERO, Valdin	MPC 186036
2025 07 28.92891	16 59 56.587	-17 43 21.18	16.8 r	I75 – Observatorio Los Caracoles, Castello	MPC 186036
2025 07 28.93133	16 59 56.22	-17 43 20.5	16.5 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186036
2025 07 28.93395	16 59 55.87	-17 43 20.5	17.2 V	Y88 – ASERO, Valdin	MPC 186036
2025 07 28.947412	16 59 53.59	-17 43 17.1	17.2 G	958 – Observatoire de Dax	MPC 186036
2025 07 29.05857	16 59 35.55	-17 42 51.4	17.0 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 186036
2025 07 29.06406	16 59 34.64	-17 42 47.0	17.7 G	W79 – Cerro Tololo-LCO Aqawan B #1	MPC 186036
2025 07 29.06618	16 59 34.30	-17 42 46.4	17.9 G	W79 – Cerro Tololo-LCO Aqawan B #1	MPC 186036
2025 07 29.06803	16 59 34.01	-17 42 49.3	17.1 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 186036
2025 07 29.06829	16 59 33.95	-17 42 45.9	18.1 G	W79 – Cerro Tololo-LCO Aqawan B #1	MPC 186036
2025 07 29.074225	16 59 32.978	-17 42 44.42	17.35 c	W68 – ATLAS Chile, Rio Hurtado	MPC 186036
2025 07 29.07714	16 59 32.50	-17 42 47.2	17.1 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 186036
2025 07 29.084330	16 59 31.313	-17 42 42.05	17.21 c	W68 – ATLAS Chile, Rio Hurtado	MPC 186036
2025 07 29.092702	16 59 29.935	-17 42 40.03	17.13 c	W68 – ATLAS Chile, Rio Hurtado	MPC 186036
2025 07 29.179887	16 59 15.744	-17 42 23.20	17.58 g	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 29.180828	16 59 15.612	-17 42 22.45	17.58 g	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 29.211018	16 59 10.671	-17 42 15.63	16.89 r	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 29.29442	16 58 57.098	-17 41 55.72	18.0 V	F65 – Haleakala-Faulkes Telescope North	MPC 187162
2025 07 29.29616	16 58 56.818	-17 41 55.28	18.0 V	F65 – Haleakala-Faulkes Telescope North	MPC 187162
2025 07 29.29731	16 58 56.628	-17 41 55.00	18.0 V	F65 – Haleakala-Faulkes Telescope North	MPC 187162
2025 07 29.47966	16 58 26.80	-17 41 13.2	16.7 T	D95 – Kurihara	MPC 186036
2025 07 29.49253	16 58 24.70	-17 41 10.0		D95 – Kurihara	MPC 186036
2025 07 29.49469	16 58 24.33	-17 41 09.4		D95 – Kurihara	MPC 186036
2025 07 29.52787	16 58 18.94	-17 41 01.6		D88 – Hiratsuka	MPC 186036
2025 07 29.53344	16 58 17.98	-17 41 00.6		D88 – Hiratsuka	MPC 186036
2025 07 29.53899	16 58 17.06	-17 40 59.0	16.1 T	D88 – Hiratsuka	MPC 186036
2025 07 29.64466	16 57 59.669	-17 40 30.18	16.3 V	323 – Perth Observatory, Bickley	MPC 186036
2025 07 29.65106	16 57 58.584	-17 40 28.81	16.0 V	323 – Perth Observatory, Bickley	MPC 186036
2025 07 29.65640	16 57 57.698	-17 40 27.37	16.1 V	323 – Perth Observatory, Bickley	MPC 186036
2025 07 29.66414	16 57 56.743	-17 40 29.39	17.3 G	N42 – Tien-Shan Astronomical Observatory	MPC 186036
2025 07 29.66729	16 57 56.189	-17 40 28.63	17.0 G	N42 – Tien-Shan Astronomical Observatory	MPC 186036
2025 07 29.67003	16 57 55.750	-17 40 27.70	17.3 G	N42 – Tien-Shan Astronomical Observatory	MPC 186036
2025 07 29.81797	16 57 31.60	-17 39 52.9	17.1 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 186036
2025 07 29.82673	16 57 30.17	-17 39 50.5	17.2 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPC 186036
2025 07 29.86127	16 57 24.497	-17 39 42.55	17.6 V	D66 – Civico Osservatorio Astronomico di Rozzano	MPC 186036
2025 07 29.86311	16 57 24.228	-17 39 41.90	16.7 r	232 – Masquefa Observatory	MPC 186036
2025 07 29.872019	16 57 22.77	-17 39 40.2	17.3 G	958 – Observatoire de Dax	MPC 186036
2025 07 29.88539	16 57 20.525	-17 39 36.76	17.6 V	D66 – Civico Osservatorio Astronomico di Rozzano	MPC 186036
2025 07 29.88888	16 57 20.002	-17 39 35.82	17.0 r	232 – Masquefa Observatory	MPC 186036
2025 07 29.890111	16 57 19.78	-17 39 35.6	16.8 G	958 – Observatoire de Dax	MPC 186036

2025 07 29.89911	16 57 18.41	-17 39 36.0	17.4 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 186036
2025 07 29.90366	16 57 17.54	-17 39 32.1	17.5 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 186036
2025 07 29.907614	16 57 16.91	-17 39 31.5	16.9 G	958 – Observatoire de Dax	MPC 186036
2025 07 29.90815	16 57 16.78	-17 39 31.1	17.4 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 186036
2025 07 29.90837	16 57 16.733	-17 39 31.21	18.0 V	D66 – Civico Osservatorio Astronomico di Rozzano	MPC 186036
2025 07 29.91016	16 57 16.474	-17 39 30.92	16.7 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186036
2025 07 29.91463	16 57 15.770	-17 39 29.48	16.8 r	232 – Masquefa Observatory	MPC 186036
2025 07 29.921863	16 57 14.674	-17 39 25.10	17.4 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186036
2025 07 29.92284	16 57 14.412	-17 39 27.76	16.5 G	179 – Monte Generoso	MPC 186036
2025 07 29.92339	16 57 14.31	-17 39 27.7	17.6 V	Y88 – ASERO, Valdin	MPC 186036
2025 07 29.92350	16 57 14.278	-17 39 26.96	16.4 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186036
2025 07 29.93197	16 57 13.046	-17 39 22.43	16.5 V	X93 – Munhoz Observatory	MPC 186036
2025 07 29.93303	16 57 12.727	-17 39 25.16	16.6 G	179 – Monte Generoso	MPC 186036
2025 07 29.93382	16 57 12.62	-17 39 24.8	17.7 V	Y88 – ASERO, Valdin	MPC 186036
2025 07 29.93505	16 57 12.533	-17 39 21.82	17.1 V	X93 – Munhoz Observatory	MPC 186036
2025 07 29.93683	16 57 12.079	-17 39 24.55	16.7 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186036
2025 07 29.937202	16 57 12.084	-17 39 24.01	17.19 w	R17 – ATLAS-TDO	MPC 186036
2025 07 29.93784	16 57 12.086	-17 39 21.17	17.2 V	X93 – Munhoz Observatory	MPC 186036
2025 07 29.93800	16 57 11.92	-17 39 24.7	17.7 V	Y88 – ASERO, Valdin	MPC 186036
2025 07 29.938602	16 57 11.916	-17 39 21.15	16.7 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186036
2025 07 29.95015	16 57 09.905	-17 39 21.17	16.7 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186036
2025 07 29.954830	16 57 09.182	-17 39 19.69	17.09 w	R17 – ATLAS-TDO	MPC 186036
2025 07 29.954985	16 57 09.222	-17 39 17.32	17.7 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186036
2025 07 29.968393	16 57 06.958	-17 39 16.52	17.16 w	R17 – ATLAS-TDO	MPC 186036
2025 07 29.981945	16 57 04.714	-17 39 13.18	17.11 w	R17 – ATLAS-TDO	MPC 186036
2025 07 29.997267	16 57 02.363	-17 39 07.16	17.4 V	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186036
2025 07 30.000868	16 57 01.755	-17 39 06.36	17.4 V	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186036
2025 07 30.004468	16 57 01.171	-17 39 05.26	17.4 V	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186036
2025 07 30.008095	16 57 00.636	-17 39 04.10	17.8 g	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186036
2025 07 30.011694	16 57 00.066	-17 39 03.53	17.6 g	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186036
2025 07 30.015294	16 56 59.457	-17 39 02.68	17.7 g	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186036
2025 07 30.018921	16 56 58.810	-17 39 02.15	17.1 r	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186036
2025 07 30.022521	16 56 58.192	-17 39 01.19	17.0 r	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186036
2025 07 30.026120	16 56 57.601	-17 38 59.98	17.0 r	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186036
2025 07 30.028538	16 56 57.246	-17 38 59.48	18.9 G	309 – Cerro Paranal	MPC 186036
2025 07 30.029387	16 56 57.112	-17 38 59.79	16.8 i	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186036
2025 07 30.031906	16 56 56.734	-17 38 58.74	16.7 i	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186036
2025 07 30.034066	16 56 56.402	-17 38 57.92	17.0 i	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186036
2025 07 30.06606	16 56 51.05	-17 38 53.6	16.7 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 186036
2025 07 30.07552	16 56 49.50	-17 38 51.2	16.6 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 186036
2025 07 30.08299	16 56 48.34	-17 38 48.8	17.3 V	W13 – Star Quarry Observatory, Bedford	MPC 186036

2025 07 30.08428	16 56 48.05	-17 38 49.1	16.6 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 186036
2025 07 30.09015	16 56 47.13	-17 38 48.0	16.9 V	W13 – Star Quarry Observatory, Bedford	MPC 186036
2025 07 30.09732	16 56 45.95	-17 38 46.3	17.3 V	W13 – Star Quarry Observatory, Bedford	MPC 186036
2025 07 30.211442	16 56 27.282	-17 38 18.68	16.85 r	I41 – Palomar Mountain--ZTF	MPC 187162
2025 07 30.50434	16 55 39.27	-17 37 07.6	16.3 T	Q23 – Sukagawa	MPC 186036
2025 07 30.50843	16 55 38.60	-17 37 06.4		Q23 – Sukagawa	MPC 186036
2025 07 30.51462	16 55 37.59	-17 37 04.8		D88 – Hiratsuka	MPC 186036
2025 07 30.52574	16 55 35.76	-17 37 02.2	15.9 T	D88 – Hiratsuka	MPC 186036
2025 07 30.53512	16 55 34.085	-17 36 56.27	16.1 V	323 – Perth Observatory, Bickley	MPC 186036
2025 07 30.54150	16 55 33.086	-17 36 54.58	16.3 V	323 – Perth Observatory, Bickley	MPC 186036
2025 07 30.54684	16 55 32.198	-17 36 53.10	16.3 V	323 – Perth Observatory, Bickley	MPC 186036
2025 07 30.58421	16 55 26.15	-17 36 47.1	16.2 T	349 – Ageo	MPC 186036
2025 07 30.59279	16 55 24.73	-17 36 45.2		349 – Ageo	MPC 186036
2025 07 30.60138	16 55 23.32	-17 36 42.9		349 – Ageo	MPC 186036
2025 07 30.78106	16 54 54.00	-17 36 00.7	16.8 G	C40 – Kuban State University Astrophysical Observato	MPC 186036
2025 07 30.79851	16 54 51.14	-17 35 55.6	16.8 G	C40 – Kuban State University Astrophysical Observato	MPC 186036
2025 07 30.81577	16 54 48.26	-17 35 50.8	17.2 G	C40 – Kuban State University Astrophysical Observato	MPC 186037
2025 07 30.82495	16 54 46.812	-17 35 48.88	17.4 V	L47 – Osservatorio Astronomico, Piobbico	MPC 186037
2025 07 30.82948	16 54 46.094	-17 35 47.87	17.4 V	L47 – Osservatorio Astronomico, Piobbico	MPC 186037
2025 07 30.83250	16 54 45.653	-17 35 47.51	17.3 V	L47 – Osservatorio Astronomico, Piobbico	MPC 186037
2025 07 30.83380	16 54 45.379	-17 35 47.18	17.4 V	L47 – Osservatorio Astronomico, Piobbico	MPC 186037
2025 07 30.83682	16 54 44.830	-17 35 46.72	17.4 V	L47 – Osservatorio Astronomico, Piobbico	MPC 186037
2025 07 30.837456	16 54 44.72	-17 35 45.7	17.5 G	K88 – GINOP-KHK, Piszkesteto	MPC 187162
2025 07 30.83811	16 54 44.626	-17 35 45.60	17.3 V	L47 – Osservatorio Astronomico, Piobbico	MPC 186037
2025 07 30.84113	16 54 44.146	-17 35 44.81	17.2 V	L47 – Osservatorio Astronomico, Piobbico	MPC 186037
2025 07 30.841490	16 54 44.07	-17 35 44.7	17.5 G	K88 – GINOP-KHK, Piszkesteto	MPC 187162
2025 07 30.84240	16 54 43.92	-17 35 44.3	17.0 V	L04 – ROASTERR-1 Observatory, Cluj-Napoca	MPC 186037
2025 07 30.84442	16 54 43.58	-17 35 43.7	17.0 V	L04 – ROASTERR-1 Observatory, Cluj-Napoca	MPC 186037
2025 07 30.845525	16 54 43.40	-17 35 43.9	17.1 G	K88 – GINOP-KHK, Piszkesteto	MPC 187162
2025 07 30.86661	16 54 39.998	-17 35 40.13	15.8 R	C23 – Olmen	MPC 186037
2025 07 30.868925	16 54 39.62	-17 35 38.0	17.3 G	958 – Observatoire de Dax	MPC 186037
2025 07 30.87409	16 54 38.657	-17 35 37.07	16.1 R	C23 – Olmen	MPC 186037
2025 07 30.88690	16 54 36.674	-17 35 33.50	16.0 R	C23 – Olmen	MPC 186037
2025 07 30.890573	16 54 36.04	-17 35 32.6	16.9 G	958 – Observatoire de Dax	MPC 186037
2025 07 30.89102	16 54 35.89	-17 35 29.5	17.0 G	194 – Tivoli	MPC 186037
2025 07 30.89560	16 54 35.12	-17 35 28.2	17.0 G	194 – Tivoli	MPC 186037
2025 07 30.89939	16 54 34.51	-17 35 27.6	16.8 G	194 – Tivoli	MPC 186037
2025 07 30.90247	16 54 33.97	-17 35 26.5	16.7 G	194 – Tivoli	MPC 186037
2025 07 30.90464	16 54 33.653	-17 35 30.34	17.1 R	C23 – Olmen	MPC 186037
2025 07 30.90558	16 54 33.47	-17 35 26.1	16.7 G	194 – Tivoli	MPC 186037
2025 07 30.909571	16 54 32.88	-17 35 27.2	16.8 G	958 – Observatoire de Dax	MPC 186037

2025 07 30.92230	16 54 30.79	-17 35 24.9	17.8 G	104 – San Marcello Pistoiese	MPC 186037
2025 07 30.92308	16 54 30.564	-17 35 26.59	16.7 R	C23 – Olmen	MPC 186037
2025 07 30.92311	16 54 30.71	-17 35 25.0	17.1 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 186037
2025 07 30.92608	16 54 30.158	-17 35 24.47	16.4 R	C23 – Olmen	MPC 186037
2025 07 30.92669	16 54 30.14	-17 35 23.6	17.2 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 186037
2025 07 30.92957	16 54 29.54	-17 35 23.0	17.6 G	104 – San Marcello Pistoiese	MPC 186037
2025 07 30.92981	16 54 29.520	-17 35 23.17	16.5 R	C23 – Olmen	MPC 186037
2025 07 30.93026	16 54 29.41	-17 35 22.6	17.4 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 186037
2025 07 30.94007	16 54 27.857	-17 35 20.15	16.5 r	R50 – Obsservatorio astronomico Orion	MPC 186037
2025 07 30.94203	16 54 27.497	-17 35 19.79	16.5 r	R50 – Obsservatorio astronomico Orion	MPC 186037
2025 07 30.94395	16 54 27.223	-17 35 19.03	16.2 r	R50 – Obsservatorio astronomico Orion	MPC 186037
2025 07 30.94726	16 54 26.681	-17 35 18.49	17.1 G	J51 – Observatorio Atlante, Tenerife	MPC 186037
2025 07 30.95463	16 54 25.464	-17 35 16.62	16.6 G	179 – Monte Generoso	MPC 186037
2025 07 30.95983	16 54 24.607	-17 35 15.47	16.5 G	179 – Monte Generoso	MPC 186037
2025 07 30.96135	16 54 24.379	-17 35 15.36	16.8 G	J51 – Observatorio Atlante, Tenerife	MPC 186037
2025 07 30.97545	16 54 22.080	-17 35 10.82	16.9 G	J51 – Observatorio Atlante, Tenerife	MPC 186037
2025 07 31.47410	16 53 00.31	-17 33 07.1		Q23 – Sukagawa	MPC 186037
2025 07 31.48042	16 52 59.184	-17 33 01.84	16.7 V	323 – Perth Observatory, Bickley	MPC 186037
2025 07 31.48144	16 52 59.09	-17 33 05.3	16.1 T	Q23 – Sukagawa	MPC 186037
2025 07 31.48682	16 52 58.109	-17 33 00.07	16.6 V	323 – Perth Observatory, Bickley	MPC 186037
2025 07 31.48878	16 52 57.88	-17 33 03.6		Q23 – Sukagawa	MPC 186037
2025 07 31.49024	16 52 57.797	-17 33 03.38	17.5 V	Q21 – Southern Utsunomiya	MPC 186037
2025 07 31.49214	16 52 57.226	-17 32 58.92	16.3 V	323 – Perth Observatory, Bickley	MPC 186037
2025 07 31.49394	16 52 57.046	-17 33 03.49	16.2 V	Q21 – Southern Utsunomiya	MPC 186037
2025 07 31.49731	16 52 56.477	-17 33 00.83	17.2 V	Q21 – Southern Utsunomiya	MPC 186037
2025 07 31.80715	16 52 05.633	-17 31 43.00	17.0 G	L54 – Berthelot Observatory, Hunedoara	MPC 186037
2025 07 31.809788	16 52 05.17	-17 31 42.1	16.8 G	L76 – Nomad Observatory, Kochevanchik	MPC 186037
2025 07 31.820595	16 52 03.38	-17 31 39.6	16.7 G	L76 – Nomad Observatory, Kochevanchik	MPC 186037
2025 07 31.831402	16 52 01.60	-17 31 36.7	16.7 G	L76 – Nomad Observatory, Kochevanchik	MPC 186037
2025 07 31.83179	16 52 01.534	-17 31 37.06	17.1 G	L54 – Berthelot Observatory, Hunedoara	MPC 186037
2025 07 31.83297	16 52 01.373	-17 31 36.62	17.3 V	M38 – Harsona Observatory, Nyiregyhaza	MPC 186037
2025 07 31.84086	16 52 00.053	-17 31 34.54	17.1 V	M38 – Harsona Observatory, Nyiregyhaza	MPC 186037
2025 07 31.84103	16 52 00.031	-17 31 34.28	16.2 G	160 – Castelmartini	MPC 186037
2025 07 31.844865	16 51 59.42	-17 31 33.6	17.4 G	K88 – GINOP-KHK, Piszkesteto	MPC 187162
2025 07 31.84822	16 51 58.937	-17 31 33.56	17.2 V	L47 – Osservatorio Astronomico, Piobbico	MPC 186037
2025 07 31.848902	16 51 58.74	-17 31 32.3	17.5 G	K88 – GINOP-KHK, Piszkesteto	MPC 187162
2025 07 31.85135	16 51 58.457	-17 31 32.23	17.8 V	L47 – Osservatorio Astronomico, Piobbico	MPC 186037
2025 07 31.852573	16 51 58.16	-17 31 31.3	17.1 G	G17 – BAS Observatory, Scandicci	MPC 186037
2025 07 31.852936	16 51 58.06	-17 31 31.3	17.4 G	K88 – GINOP-KHK, Piszkesteto	MPC 187162
2025 07 31.85448	16 51 57.886	-17 31 32.30	17.4 V	L47 – Osservatorio Astronomico, Piobbico	MPC 186037
2025 07 31.85759	16 51 57.386	-17 31 30.61	17.0 V	L47 – Osservatorio Astronomico, Piobbico	MPC 186037

2025 07 31.85985	16 51 56.947	-17 31 29.57	16.3 G	160 – Castelmartini	MPC 186037
2025 07 31.860398	16 51 56.87	-17 31 29.2	16.7 G	G17 – BAS Observatory, Scandicci	MPC 186037
2025 07 31.86514	16 51 56.021	-17 31 28.52	17.2 G	L54 – Berthelot Observatory, Hunedoara	MPC 186037
2025 07 31.868220	16 51 55.59	-17 31 27.6	16.9 G	G17 – BAS Observatory, Scandicci	MPC 186037
2025 07 31.87127	16 51 55.092	-17 31 26.36	16.8 r	232 – Masquefa Observatory	MPC 186037
2025 07 31.872603	16 51 54.87	-17 31 26.2	16.8 G	958 – Observatoire de Dax	MPC 186037
2025 07 31.87432	16 51 54.600	-17 31 25.61	16.9 r	213 – Observatorio Montcabre	MPC 186037
2025 07 31.88032	16 51 53.580	-17 31 24.42	16.4 G	160 – Castelmartini	MPC 186037
2025 07 31.89032	16 51 51.929	-17 31 21.90	16.9 r	232 – Masquefa Observatory	MPC 186037
2025 07 31.89163	16 51 51.734	-17 31 21.29	17.0 r	213 – Observatorio Montcabre	MPC 186037
2025 07 31.894587	16 51 51.23	-17 31 20.8	16.6 G	958 – Observatoire de Dax	MPC 186037
2025 07 31.90200	16 51 50.026	-17 31 18.80	16.7 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186037
2025 07 31.90501	16 51 49.524	-17 31 17.87	16.4 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186037
2025 07 31.90802	16 51 48.986	-17 31 16.90	16.4 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186037
2025 07 31.90895	16 51 48.890	-17 31 16.64	16.9 r	213 – Observatorio Montcabre	MPC 186037
2025 07 31.90936	16 51 48.780	-17 31 17.04	16.7 r	232 – Masquefa Observatory	MPC 186037
2025 07 31.910199	16 51 48.785	-17 31 13.86	17.1 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186037
2025 07 31.91417	16 51 47.990	-17 31 15.35	16.6 G	160 – Castelmartini	MPC 186037
2025 07 31.923912	16 51 46.38	-17 31 12.9	16.5 G	958 – Observatoire de Dax	MPC 186037
2025 07 31.935856	16 51 44.535	-17 31 07.33	18.6 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186037
2025 07 31.95072	16 51 41.91	-17 31 03.2	16.6 G	194 – Tivoli	MPC 186037
2025 07 31.95687	16 51 40.90	-17 31 01.6	16.8 G	194 – Tivoli	MPC 186037
2025 07 31.961126	16 51 40.362	-17 31 00.96	17.9 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186037
2025 07 31.96300	16 51 39.87	-17 30 59.9	16.8 G	194 – Tivoli	MPC 186037
2025 08 01.517775	16 50 08.777	-17 28 39.86	16.7 G	900 – Moriyama	MPC 186037
2025 08 01.524820	16 50 07.594	-17 28 38.21	16.6 G	900 – Moriyama	MPC 186037
2025 08 01.531866	16 50 06.442	-17 28 36.23	16.8 G	900 – Moriyama	MPC 186037
2025 08 01.78640	16 49 24.61	-17 27 29.8	17.4 G	088 – Kottomia	MPC 186037
2025 08 01.78714	16 49 24.51	-17 27 29.6	17.3 G	088 – Kottomia	MPC 186037
2025 08 01.78787	16 49 24.38	-17 27 29.4	17.1 G	088 – Kottomia	MPC 186037
2025 08 01.78860	16 49 24.26	-17 27 29.3	17.3 G	088 – Kottomia	MPC 186037
2025 08 01.78932	16 49 24.13	-17 27 29.1	17.1 G	088 – Kottomia	MPC 186037
2025 08 01.79006	16 49 24.01	-17 27 28.9	17.1 G	088 – Kottomia	MPC 186037
2025 08 01.79079	16 49 23.89	-17 27 28.6	17.0 G	088 – Kottomia	MPC 186037
2025 08 01.79152	16 49 23.77	-17 27 28.5	17.4 G	088 – Kottomia	MPC 186037
2025 08 01.79606	16 49 23.02	-17 27 27.2	17.2 G	088 – Kottomia	MPC 186037
2025 08 01.79679	16 49 22.89	-17 27 26.9	17.1 G	088 – Kottomia	MPC 186037
2025 08 01.79752	16 49 22.78	-17 27 26.8	17.0 G	088 – Kottomia	MPC 186037
2025 08 01.79824	16 49 22.66	-17 27 26.6	16.9 G	088 – Kottomia	MPC 186037
2025 08 01.79897	16 49 22.53	-17 27 26.4	17.2 G	088 – Kottomia	MPC 186037
2025 08 01.79970	16 49 22.42	-17 27 26.2	17.3 G	088 – Kottomia	MPC 186037

2025 08 01.80044	16 49 22.29	-17 27 26.1	17.3 G	088 – Kottomia	MPC 186037
2025 08 01.80802	16 49 21.070	-17 27 24.41	17.0 G	L54 – Berthelot Observatory, Hunedoara	MPC 186037
2025 08 01.83411	16 49 16.694	-17 27 17.39	17.1 G	L54 – Berthelot Observatory, Hunedoara	MPC 186037
2025 08 01.840950	16 49 15.60	-17 27 15.9	17.4 G	K88 – GINOP-KHK, Piszkesteto	MPC 187162
2025 08 01.84345	16 49 15.23	-17 27 15.3	16.8 G	A71 – Stixendorf	MPC 186037
2025 08 01.844984	16 49 14.94	-17 27 14.9	17.3 G	K88 – GINOP-KHK, Piszkesteto	MPC 187162
2025 08 01.84787	16 49 14.46	-17 27 14.2	16.7 G	A71 – Stixendorf	MPC 186037
2025 08 01.849019	16 49 14.29	-17 27 13.8	17.3 G	K88 – GINOP-KHK, Piszkesteto	MPC 187162
2025 08 01.84929	16 49 14.24	-17 27 14.1		B15 – Inastars Observatory, Potsdam (since 2006)	MPC 186038
2025 08 01.84962	16 49 14.25	-17 27 13.4	16.4 R	A77 – Observatoire Chante-Perdrix, Dauban	MPC 186038
2025 08 01.85186	16 49 13.82	-17 27 12.9	16.6 G	A71 – Stixendorf	MPC 186038
2025 08 01.85286	16 49 13.71	-17 27 12.5	16.3 R	A77 – Observatoire Chante-Perdrix, Dauban	MPC 186038
2025 08 01.85541	16 49 13.21	-17 27 12.3	16.7 G	A71 – Stixendorf	MPC 186038
2025 08 01.85610	16 49 13.11	-17 27 11.5	16.1 R	A77 – Observatoire Chante-Perdrix, Dauban	MPC 186038
2025 08 01.85875	16 49 12.670	-17 27 10.66	17.0 G	L54 – Berthelot Observatory, Hunedoara	MPC 186038
2025 08 01.86398	16 49 11.82	-17 27 10.1	16.2 G	B15 – Inastars Observatory, Potsdam (since 2006)	MPC 186038
2025 08 01.86723	16 49 11.282	-17 27 09.07	16.5 G	B15 – Inastars Observatory, Potsdam (since 2006)	MPC 186038
2025 08 01.87230	16 49 10.464	-17 27 07.63	16.7 G	B15 – Inastars Observatory, Potsdam (since 2006)	MPC 186038
2025 08 01.876837	16 49 09.75	-17 27 05.9	16.7 G	958 – Observatoire de Dax	MPC 186038
2025 08 01.87720	16 49 09.653	-17 27 06.19	17.0 G	B15 – Inastars Observatory, Potsdam (since 2006)	MPC 186038
2025 08 01.87959	16 49 09.25	-17 27 05.7	16.4 G	B15 – Inastars Observatory, Potsdam (since 2006)	MPC 186038
2025 08 01.883721	16 49 08.618	-17 27 04.00	16.90 w	R17 – ATLAS-TDO	MPC 186038
2025 08 01.897881	16 49 06.283	-17 27 00.68	16.77 w	R17 – ATLAS-TDO	MPC 186038
2025 08 01.909443	16 49 04.34	-17 26 57.4	16.9 G	958 – Observatoire de Dax	MPC 186038
2025 08 01.912009	16 49 03.946	-17 26 56.83	17.06 w	R17 – ATLAS-TDO	MPC 186038
2025 08 01.926156	16 49 01.591	-17 26 52.91	16.81 w	R17 – ATLAS-TDO	MPC 186038
2025 08 01.93814	16 48 59.60	-17 26 50.6	17.2 V	Y88 – ASERO, Valdin	MPC 186038
2025 08 01.93946	16 48 59.381	-17 26 50.14	16.6 G	J01 – Observatorio Cielo Profundo, Leon	MPC 186038
2025 08 01.942400	16 48 58.86	-17 26 48.7	16.6 G	958 – Observatoire de Dax	MPC 186038
2025 08 01.94631	16 48 58.246	-17 26 48.16	17.0 G	J01 – Observatorio Cielo Profundo, Leon	MPC 186038
2025 08 01.94649	16 48 58.20	-17 26 47.7	17.3 V	Y88 – ASERO, Valdin	MPC 186038
2025 08 01.95316	16 48 57.175	-17 26 46.14	16.8 G	J01 – Observatorio Cielo Profundo, Leon	MPC 186038
2025 08 01.95484	16 48 56.79	-17 26 46.0	17.1 V	Y88 – ASERO, Valdin	MPC 186038
2025 08 02.02012	16 48 46.111	-17 26 25.62	17.1 V	X93 – Munhoz Observatory	MPC 186038
2025 08 02.02431	16 48 45.403	-17 26 24.47	17.1 V	X93 – Munhoz Observatory	MPC 186038
2025 08 02.02822	16 48 44.770	-17 26 23.28	16.9 V	X93 – Munhoz Observatory	MPC 186038
2025 08 02.086507	16 48 35.179	-17 26 10.93	16.8 G	851 – Burke-Gaffney Observatory, Halifax	MPC 186038
2025 08 02.097103	16 48 33.414	-17 26 08.12	16.8 G	851 – Burke-Gaffney Observatory, Halifax	MPC 186038
2025 08 02.107496	16 48 31.695	-17 26 05.64	16.8 G	851 – Burke-Gaffney Observatory, Halifax	MPC 186038
2025 08 02.50383	16 47 26.42	-17 24 19.0	17.1 T	903 – Fukuchiyama and Kannabe	MPC 187162
2025 08 02.51211	16 47 25.09	-17 24 17.6	16.5 V	P87 – Hirao Observatory, Yamaguchi	MPC 186038

2025 08 02.51240	16 47 24.97	-17 24 17.8		903 – Fukuchiyama and Kannabe	MPC 187162
2025 08 02.52088	16 47 23.61	-17 24 15.4		903 – Fukuchiyama and Kannabe	MPC 187162
2025 08 02.52380	16 47 23.13	-17 24 14.7		P87 – Hirao Observatory, Yamaguchi	MPC 186038
2025 08 02.53646	16 47 21.06	-17 24 11.1		P87 – Hirao Observatory, Yamaguchi	MPC 186038
2025 08 02.80082	16 46 37.51	-17 23 00.1	16.8 G	M45 – Starhopper Observatory, Sfantu Gheorghe	MPC 186038
2025 08 02.80321	16 46 37.13	-17 22 59.9	17.0 G	M45 – Starhopper Observatory, Sfantu Gheorghe	MPC 186038
2025 08 02.80564	16 46 36.74	-17 22 59.0	17.1 G	M45 – Starhopper Observatory, Sfantu Gheorghe	MPC 186038
2025 08 02.82253	16 46 33.878	-17 22 55.49	16.8 G	L54 – Berthelot Observatory, Hunedoara	MPC 186038
2025 08 02.84449	16 46 30.252	-17 22 49.12	16.8 G	L54 – Berthelot Observatory, Hunedoara	MPC 186038
2025 08 02.86086	16 46 27.655	-17 22 43.61	16.6 r	232 – Masquefa Observatory	MPC 186038
2025 08 02.86772	16 46 26.494	-17 22 41.74	16.9 G	L54 – Berthelot Observatory, Hunedoara	MPC 186038
2025 08 02.86794	16 46 26.410	-17 22 42.17	16.7 r	M06 – PeLe's Observatory, Ager	MPC 186038
2025 08 02.87817	16 46 24.758	-17 22 39.40	16.6 r	232 – Masquefa Observatory	MPC 186038
2025 08 02.88010	16 46 24.427	-17 22 38.24	16.6 r	M06 – PeLe's Observatory, Ager	MPC 186038
2025 08 02.886039	16 46 23.45	-17 22 37.0	17.6 G	104 – San Marcello Pistoiese	MPC 186038
2025 08 02.88988	16 46 22.834	-17 22 36.01	16.6 r	M06 – PeLe's Observatory, Ager	MPC 186038
2025 08 02.890333	16 46 22.76	-17 22 35.6	16.9 G	958 – Observatoire de Dax	MPC 186038
2025 08 02.894122	16 46 22.09	-17 22 34.8		104 – San Marcello Pistoiese	MPC 186038
2025 08 02.89505	16 46 21.965	-17 22 34.32	17.0 r	232 – Masquefa Observatory	MPC 186038
2025 08 02.89547	16 46 21.94	-17 22 34.5	17.0 V	Y88 – ASERO, Valdin	MPC 186038
2025 08 02.898717	16 46 21.425	-17 22 33.36	17.5 r	J13 – La Palma-Liverpool Telescope	MPC 186038
2025 08 02.899626	16 46 21.272	-17 22 33.07	17.4 r	J13 – La Palma-Liverpool Telescope	MPC 186038
2025 08 02.89991	16 46 21.175	-17 22 33.28	16.8 G	R49 – Observatorio Villuercas-Navezuelas, Navezuelas	MPC 186038
2025 08 02.902022	16 46 20.78	-17 22 32.2	17.6 G	104 – San Marcello Pistoiese	MPC 186038
2025 08 02.902469	16 46 20.790	-17 22 32.30		J13 – La Palma-Liverpool Telescope	MPC 186038
2025 08 02.90382	16 46 20.59	-17 22 32.7	17.1 V	Y88 – ASERO, Valdin	MPC 186038
2025 08 02.91255	16 46 19.07	-17 22 29.9	16.5 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186038
2025 08 02.91426	16 46 18.86	-17 22 29.5	17.2 V	Y88 – ASERO, Valdin	MPC 186038
2025 08 02.91969	16 46 17.906	-17 22 27.88	16.6 G	R49 – Observatorio Villuercas-Navezuelas, Navezuelas	MPC 186038
2025 08 02.924376	16 46 17.13	-17 22 26.5	16.6 G	958 – Observatoire de Dax	MPC 186038
2025 08 02.92493	16 46 17.01	-17 22 26.4	16.6 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186038
2025 08 02.93347	16 46 15.595	-17 22 24.13	16.6 G	179 – Monte Generoso	MPC 186038
2025 08 02.93731	16 46 14.96	-17 22 23.1	17.0 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPC 186038
2025 08 02.93868	16 46 14.731	-17 22 22.76	16.5 G	179 – Monte Generoso	MPC 186038
2025 08 02.94073	16 46 14.417	-17 22 22.15	16.6 G	R49 – Observatorio Villuercas-Navezuelas, Navezuelas	MPC 186038
2025 08 02.94399	16 46 13.862	-17 22 21.22	16.7 G	179 – Monte Generoso	MPC 186038
2025 08 02.954955	16 46 12.05	-17 22 18.4	16.7 G	958 – Observatoire de Dax	MPC 186038
2025 08 02.954972	16 46 12.135	-17 22 15.95	16.5 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186038
2025 08 02.969235	16 46 09.736	-17 22 12.15	15.8 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186038
2025 08 02.976138	16 46 08.597	-17 22 10.21	16.1 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187162
2025 08 02.981787	16 46 07.718	-17 22 08.01	16.1 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187162

2025 08 02.983250	16 46 07.441	-17 22 07.82	16.7 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186038
2025 08 02.987225	16 46 06.819	-17 22 06.64		Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187162
2025 08 02.988337	16 46 06.692	-17 22 06.51	17.4 V	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186038
2025 08 02.991935	16 46 06.113	-17 22 05.50	17.2 V	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186038
2025 08 02.995535	16 46 05.506	-17 22 04.58	17.2 V	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186038
2025 08 02.999161	16 46 04.884	-17 22 03.52	17.7 g	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186038
2025 08 03.002760	16 46 04.280	-17 22 02.48	17.6 g	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186038
2025 08 03.006360	16 46 03.680	-17 22 01.55	17.6 g	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186038
2025 08 03.008547	16 46 03.352	-17 22 00.54	16.9 r	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186038
2025 08 03.009627	16 46 03.171	-17 22 00.55	16.9 r	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186038
2025 08 03.015025	16 46 02.283	-17 21 58.93	16.7 r	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 186038
2025 08 03.84203	16 43 45.826	-17 18 14.33	15.8 G	160 – Castelmartini	MPC 186038
2025 08 03.85028	16 43 44.424	-17 18 12.31	16.4 G	160 – Castelmartini	MPC 186038
2025 08 03.85336	16 43 43.975	-17 18 11.34	16.8 r	213 – Observatorio Montcabre	MPC 186038
2025 08 03.85961	16 43 42.890	-17 18 09.40	16.2 G	160 – Castelmartini	MPC 186038
2025 08 03.86998	16 43 41.057	-17 18 05.98	16.1 V	D63 – G. Pascoli Observatory, Barga (since June 2023)	MPC 186038
2025 08 03.870439	16 43 41.13	-17 18 07.0	16.7 G	958 – Observatoire de Dax	MPC 186038
2025 08 03.87867	16 43 39.713	-17 18 05.54	16.9 V	D63 – G. Pascoli Observatory, Barga (since June 2023)	MPC 186038
2025 08 03.89569	16 43 36.934	-17 17 59.64	16.9 r	213 – Observatorio Montcabre	MPC 186038
2025 08 03.89767	16 43 36.65	-17 17 59.0	17.1 V	Y88 – ASERO, Valdin	MPC 186038
2025 08 03.901979	16 43 35.90	-17 17 57.6	16.6 G	958 – Observatoire de Dax	MPC 186038
2025 08 03.90498	16 43 35.44	-17 17 56.9	16.8 V	Y88 – ASERO, Valdin	MPC 186038
2025 08 03.91124	16 43 34.42	-17 17 55.1	17.0 V	Y88 – ASERO, Valdin	MPC 186038
2025 08 03.933940	16 43 30.61	-17 17 49.0	16.6 G	958 – Observatoire de Dax	MPC 186038
2025 08 03.93745	16 43 30.014	-17 17 47.94	17.2 r	213 – Observatorio Montcabre	MPC 186038
2025 08 04.47650	16 42 01.027	-17 15 14.69	16.2 V	Q21 – Southern Utsunomiya	MPC 187162
2025 08 04.48002	16 42 00.746	-17 15 15.52	16.8 V	Q21 – Southern Utsunomiya	MPC 187162
2025 08 04.80433	16 41 06.96	-17 13 42.9	16.5 G	C40 – Kuban State University Astrophysical Observato	MPC 186038
2025 08 04.82102	16 41 04.19	-17 13 38.1	16.7 G	C40 – Kuban State University Astrophysical Observato	MPC 186038
2025 08 04.837274	16 41 01.567	-17 13 33.71	16.3 G	M14 – Schiaparelli Gallarate Station	MPC 186038
2025 08 04.83772	16 41 01.54	-17 13 33.5	16.7 G	C40 – Kuban State University Astrophysical Observato	MPC 186038
2025 08 04.847253	16 40 59.897	-17 13 31.15	16.4 G	M14 – Schiaparelli Gallarate Station	MPC 186038
2025 08 04.860124	16 40 57.756	-17 13 27.30	16.6 G	M14 – Schiaparelli Gallarate Station	MPC 186038
2025 08 04.874425	16 40 55.43	-17 13 23.4	16.4 G	958 – Observatoire de Dax	MPC 186038
2025 08 04.88928	16 40 52.98	-17 13 19.8	16.3 G	A71 – Stixendorf	MPC 186038
2025 08 04.89160	16 40 52.56	-17 13 18.5	16.8 G	A71 – Stixendorf	MPC 186038
2025 08 04.89373	16 40 52.23	-17 13 17.4	16.4 G	A71 – Stixendorf	MPC 186038
2025 08 04.894174	16 40 52.19	-17 13 18.0	16.6 G	958 – Observatoire de Dax	MPC 186038
2025 08 04.90518	16 40 50.29	-17 13 16.2	16.9 V	R45 – Tycho Brahe, Trevinca	MPC 186038
2025 08 04.914030	16 40 48.82	-17 13 11.0	16.5 G	958 – Observatoire de Dax	MPC 186038
2025 08 04.91416	16 40 48.77	-17 13 11.7	16.8 V	R45 – Tycho Brahe, Trevinca	MPC 186039

2025 08 05.76218	16 38 28.86	-17 09 06.3	16.4 G	C40 – Kuban State University Astrophysical Observato	MPC 186039
2025 08 05.77831	16 38 26.19	-17 09 01.2	16.4 G	C40 – Kuban State University Astrophysical Observato	MPC 186039
2025 08 05.79426	16 38 23.55	-17 08 56.7	16.4 G	C40 – Kuban State University Astrophysical Observato	MPC 186039
2025 08 05.838986	16 38 16.197	-17 08 44.11	17.6 R	B72 – Soerth Observatory	MPC 186039
2025 08 05.844251	16 38 15.312	-17 08 42.68	16.7 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 186039
2025 08 05.847748	16 38 14.705	-17 08 41.03	16.8 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 186039
2025 08 05.850300	16 38 14.292	-17 08 40.23	17.9 R	B72 – Soerth Observatory	MPC 186039
2025 08 05.853027	16 38 13.838	-17 08 39.55	16.9 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 186039
2025 08 05.855479	16 38 13.418	-17 08 39.37	16.9 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 186039
2025 08 05.862322	16 38 12.321	-17 08 37.72	17.6 R	B72 – Soerth Observatory	MPC 186039
2025 08 05.86605	16 38 11.726	-17 08 35.12	17.0 r	232 – Masquefa Observatory	MPC 186039
2025 08 05.876216	16 38 10.02	-17 08 32.7	16.6 G	G17 – BAS Observatory, Scandicci	MPC 186039
2025 08 05.87632	16 38 10.094	-17 08 32.42	16.7 R	C23 – Olmen	MPC 186039
2025 08 05.87730	16 38 09.890	-17 08 31.67	18.2 r	232 – Masquefa Observatory	MPC 186039
2025 08 05.883660	16 38 08.77	-17 08 30.5	16.7 G	G17 – BAS Observatory, Scandicci	MPC 186039
2025 08 05.88530	16 38 08.501	-17 08 29.90	16.2 R	C23 – Olmen	MPC 186039
2025 08 05.89091	16 38 07.620	-17 08 30.73	16.7 R	C23 – Olmen	MPC 186039
2025 08 05.891116	16 38 07.57	-17 08 28.2	17.0 G	G17 – BAS Observatory, Scandicci	MPC 186039
2025 08 06.21194	16 37 14.616	-17 06 53.46	16.6 G	671 – Stony Ridge	MPC 186039
2025 08 06.21513	16 37 14.078	-17 06 52.34	15.8 G	671 – Stony Ridge	MPC 186039
2025 08 06.21793	16 37 13.601	-17 06 51.84	16.8 G	671 – Stony Ridge	MPC 186039
2025 08 06.44938	16 36 35.446	-17 05 39.80	17.4 V	E10 – Siding Spring-Faulkes Telescope South	MPC 187162
2025 08 06.45111	16 36 35.174	-17 05 39.62	17.5 V	E10 – Siding Spring-Faulkes Telescope South	MPC 187162
2025 08 06.45228	16 36 34.985	-17 05 38.72	17.4 V	E10 – Siding Spring-Faulkes Telescope South	MPC 187162
2025 08 06.84104	16 35 30.806	-17 03 45.72	16.6 r	213 – Observatorio Montcabre	MPC 186039
2025 08 06.842260	16 35 30.569	-17 03 46.30	17.0 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 186039
2025 08 06.845764	16 35 30.014	-17 03 44.78	16.7 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 186039
2025 08 06.86198	16 35 27.324	-17 03 39.74	17.1 r	213 – Observatorio Montcabre	MPC 186039
2025 08 06.88181	16 35 24.048	-17 03 34.20	16.5 r	213 – Observatorio Montcabre	MPC 186039
2025 08 06.90052	16 35 20.911	-17 03 29.20	15.6 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186039
2025 08 06.90441	16 35 20.263	-17 03 28.01	15.9 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186039
2025 08 06.90829	16 35 19.745	-17 03 26.50	15.7 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186039
2025 08 07.102775	16 34 47.556	-17 02 23.60	16.58 o	W68 – ATLAS Chile, Rio Hurtado	MPC 187162
2025 08 07.105832	16 34 47.033	-17 02 22.74	16.58 o	W68 – ATLAS Chile, Rio Hurtado	MPC 187162
2025 08 07.112812	16 34 45.902	-17 02 20.51	16.41 o	W68 – ATLAS Chile, Rio Hurtado	MPC 187162
2025 08 07.125948	16 34 43.697	-17 02 16.51	16.13 o	W68 – ATLAS Chile, Rio Hurtado	MPC 187162
2025 08 07.82397	16 32 48.586	-16 58 46.81	15.6 V	S30 – Zenit, Hajduboszormeny	MPC 186039
2025 08 07.82978	16 32 47.650	-16 58 44.87	16.5 V	S30 – Zenit, Hajduboszormeny	MPC 186039
2025 08 07.83534	16 32 46.733	-16 58 43.39	16.5 V	S30 – Zenit, Hajduboszormeny	MPC 186039
2025 08 07.84410	16 32 45.355	-16 58 40.98	16.0 G	160 – Castelmartini	MPC 186039
2025 08 07.84583	16 32 45.022	-16 58 40.40	16.7 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186039

2025 08 07.84606	16 32 44.993	-16 58 41.27	15.9 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186039
2025 08 07.84676	16 32 44.906	-16 58 39.97	16.2 G	160 – Castelmartini	MPC 186039
2025 08 07.84794	16 32 44.690	-16 58 39.32	16.6 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186039
2025 08 07.84878	16 32 44.556	-16 58 39.14	16.5 G	160 – Castelmartini	MPC 186039
2025 08 07.84975	16 32 44.414	-16 58 38.82	16.7 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186039
2025 08 07.85479	16 32 43.546	-16 58 36.73	16.4 G	160 – Castelmartini	MPC 186039
2025 08 07.85671	16 32 43.234	-16 58 36.70	16.9 r	232 – Masquefa Observatory	MPC 186039
2025 08 07.85756	16 32 43.085	-16 58 36.37	16.7 G	160 – Castelmartini	MPC 186039
2025 08 07.86113	16 32 42.559	-16 58 34.90	16.7 r	213 – Observatorio Montcabre	MPC 186039
2025 08 07.86963	16 32 41.138	-16 58 33.31	16.9 r	213 – Observatorio Montcabre	MPC 186039
2025 08 07.87303	16 32 40.543	-16 58 31.98	16.9 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186039
2025 08 07.87432	16 32 40.351	-16 58 31.69	16.8 G	B50 – Corner Observatory, Durmersheim	MPC 186039
2025 08 07.87454	16 32 40.279	-16 58 32.27	15.9 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186039
2025 08 07.87544	16 32 40.121	-16 58 31.08	16.7 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186039
2025 08 07.87755	16 32 39.751	-16 58 29.75	17.4 r	213 – Observatorio Montcabre	MPC 186039
2025 08 07.87785	16 32 39.706	-16 58 30.40	16.8 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186039
2025 08 07.88133	16 32 39.158	-16 58 29.10	16.5 G	179 – Monte Generoso	MPC 187162
2025 08 07.88205	16 32 39.053	-16 58 29.21	16.5 G	B50 – Corner Observatory, Durmersheim	MPC 186039
2025 08 07.883546	16 32 38.79	-16 58 28.5	16.4 R	215 – Buchloe	MPC 186039
2025 08 07.88365	16 32 38.837	-16 58 28.34	16.9 r	232 – Masquefa Observatory	MPC 186039
2025 08 07.884840	16 32 38.57	-16 58 28.0	16.4 R	215 – Buchloe	MPC 186039
2025 08 07.886134	16 32 38.34	-16 58 27.6	16.5 R	215 – Buchloe	MPC 186039
2025 08 07.88668	16 32 38.294	-16 58 27.30	16.3 G	179 – Monte Generoso	MPC 187162
2025 08 07.88978	16 32 37.769	-16 58 26.44	16.6 G	B50 – Corner Observatory, Durmersheim	MPC 186039
2025 08 07.89194	16 32 37.406	-16 58 25.86	16.5 G	179 – Monte Generoso	MPC 187162
2025 08 07.89471	16 32 36.926	-16 58 24.92	16.5 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186039
2025 08 07.89622	16 32 36.650	-16 58 25.68	15.9 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186039
2025 08 07.89712	16 32 36.516	-16 58 25.07	16.8 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186039
2025 08 07.898785	16 32 36.41	-16 58 22.8	16.4 G	958 – Observatoire de Dax	MPC 186039
2025 08 07.89953	16 32 36.120	-16 58 23.59	16.7 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186039
2025 08 07.915642	16 32 33.59	-16 58 18.2	16.3 G	958 – Observatoire de Dax	MPC 186039
2025 08 07.931579	16 32 30.85	-16 58 13.4	16.3 G	958 – Observatoire de Dax	MPC 186039
2025 08 08.48671	16 30 59.39	-16 55 21.1		Q23 – Sukagawa	MPC 186039
2025 08 08.49635	16 30 57.80	-16 55 18.2	16.0 T	Q23 – Sukagawa	MPC 186039
2025 08 08.51007	16 30 55.52	-16 55 13.9		Q23 – Sukagawa	MPC 186039
2025 08 08.792853	16 30 08.994	-16 53 42.18		M21 – Schiaparelli Southern Observatory, Hakos	MPC 186039
2025 08 08.821749	16 30 04.203	-16 53 33.17		M21 – Schiaparelli Southern Observatory, Hakos	MPC 186039
2025 08 08.82888	16 30 03.074	-16 53 33.79	15.8 G	160 – Castelmartini	MPC 186039
2025 08 08.83535	16 30 02.009	-16 53 31.74	15.8 G	160 – Castelmartini	MPC 186039
2025 08 08.84007	16 30 01.234	-16 53 30.44	15.9 G	160 – Castelmartini	MPC 186039
2025 08 08.842992	16 30 00.683	-16 53 26.42	16.4 G	M21 – Schiaparelli Southern Observatory, Hakos	MPC 186039

2025 08 08.85144	16 29 59.213	-16 53 25.19	16.6 G	R61 – Landete-Kea	MPC 187162
2025 08 08.86133	16 29 57.701	-16 53 22.96	16.8 G	R61 – Landete-Kea	MPC 187162
2025 08 08.87281	16 29 55.788	-16 53 22.06	16.5 G	R61 – Landete-Kea	MPC 187162
2025 08 08.886303	16 29 53.510	-16 53 12.58	16.5 G	M21 – Schiaparelli Southern Observatory, Hakos	MPC 186039
2025 08 08.908153	16 29 49.890	-16 53 05.40		M21 – Schiaparelli Southern Observatory, Hakos	MPC 186039
2025 08 08.965093	16 29 40.641	-16 52 47.76	16.7 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186039
2025 08 08.979729	16 29 38.188	-16 52 43.28		Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186039
2025 08 08.992904	16 29 36.014	-16 52 39.04	17.0 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186039
2025 08 09.23369	16 28 56.376	-16 51 25.81	16.3 G	U52 – Shasta Valley Observatory, Grenada	MPC 186039
2025 08 09.23808	16 28 55.663	-16 51 24.37	16.0 G	U52 – Shasta Valley Observatory, Grenada	MPC 186039
2025 08 09.44471	16 28 21.70	-16 50 14.9		Q62 – iTelescope Observatory, Siding Spring	MPC 187162
2025 08 09.44676	16 28 21.37	-16 50 14.4		Q62 – iTelescope Observatory, Siding Spring	MPC 187162
2025 08 09.44880	16 28 21.01	-16 50 13.6	16.1 G	Q62 – iTelescope Observatory, Siding Spring	MPC 187162
2025 08 09.47605	16 28 16.51	-16 50 08.4	15.9 T	Q23 – Sukagawa	MPC 186039
2025 08 09.49392	16 28 13.56	-16 50 02.8		Q23 – Sukagawa	MPC 186039
2025 08 09.65450	16 27 47.194	-16 49 11.42	16.6 G	N42 – Tien-Shan Astronomical Observatory	MPC 186039
2025 08 09.65804	16 27 46.598	-16 49 10.24	16.4 G	N42 – Tien-Shan Astronomical Observatory	MPC 186039
2025 08 09.66117	16 27 46.085	-16 49 09.23	16.3 G	N42 – Tien-Shan Astronomical Observatory	MPC 186039
2025 08 09.738700	16 27 33.436	-16 48 41.35	16.9 V	M49 – IAS Remote Observatory, Hakos	MPC 186039
2025 08 09.751854	16 27 31.259	-16 48 37.11	16.9 V	M49 – IAS Remote Observatory, Hakos	MPC 186039
2025 08 09.765856	16 27 28.932	-16 48 32.71	16.9 V	M49 – IAS Remote Observatory, Hakos	MPC 186039
2025 08 09.782494	16 27 26.178	-16 48 27.38	16.8 V	M49 – IAS Remote Observatory, Hakos	MPC 187162
2025 08 09.795645	16 27 23.994	-16 48 23.05	16.8 V	M49 – IAS Remote Observatory, Hakos	MPC 187162
2025 08 09.809002	16 27 21.792	-16 48 18.69	16.8 V	M49 – IAS Remote Observatory, Hakos	MPC 187163
2025 08 09.81755	16 27 20.38	-16 48 18.8	16.3 G	A71 – Stixendorf	MPC 186039
2025 08 09.82266	16 27 19.54	-16 48 16.8	16.4 G	A71 – Stixendorf	MPC 186039
2025 08 09.824095	16 27 19.297	-16 48 13.75	16.8 V	M49 – IAS Remote Observatory, Hakos	MPC 187163
2025 08 09.82759	16 27 18.75	-16 48 16.1	16.0 G	A71 – Stixendorf	MPC 186039
2025 08 09.831913	16 27 17.994	-16 48 11.37	16.7 V	M49 – IAS Remote Observatory, Hakos	MPC 187163
2025 08 09.839731	16 27 16.704	-16 48 08.81	16.7 V	M49 – IAS Remote Observatory, Hakos	MPC 187163
2025 08 09.83981	16 27 16.745	-16 48 11.52	16.5 r	213 – Observatorio Montcabre	MPC 186039
2025 08 09.847551	16 27 15.407	-16 48 06.06	16.7 V	M49 – IAS Remote Observatory, Hakos	MPC 187163
2025 08 09.84970	16 27 15.106	-16 48 08.82	16.1 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186039
2025 08 09.85069	16 27 14.93	-16 48 08.3	16.9 N	M18 – Koeditz	MPC 186039
2025 08 09.85416	16 27 14.314	-16 48 07.13	15.8 G	160 – Castelmartini	MPC 186039
2025 08 09.85455	16 27 14.261	-16 48 07.52	16.1 G	B67 – Sternwarte Mirasteilas, Falera	MPC 186039
2025 08 09.85567	16 27 14.234	-16 48 05.51	16.2 G	B50 – Corner Observatory, Durmersheim	MPC 186039
2025 08 09.856497	16 27 13.914	-16 48 03.37	16.8 V	M49 – IAS Remote Observatory, Hakos	MPC 187163
2025 08 09.85972	16 27 13.474	-16 48 05.83	16.4 R	C23 – Olmen	MPC 186039
2025 08 09.860872	16 27 13.27	-16 48 04.1	16.2 G	958 – Observatoire de Dax	MPC 186039
2025 08 09.86170	16 27 13.152	-16 48 04.97	16.4 r	232 – Masquefa Observatory	MPC 186039

2025 08 09.86244	16 27 13.046	-16 48 04.79	16.0 G	B50 – Corner Observatory, Durmersheim	MPC 186039
2025 08 09.86365	16 27 12.768	-16 48 04.03	15.9 G	160 – Castelmartini	MPC 186039
2025 08 09.86832	16 27 12.11	-16 48 02.1	17.3 N	M18 – Koeditz	MPC 186039
2025 08 09.868561	16 27 11.922	-16 47 59.24	16.65 j	M49 – IAS Remote Observatory, Hakos	MPEC W75
2025 08 09.86900	16 27 11.897	-16 48 02.30	16.0 G	B50 – Corner Observatory, Durmersheim	MPC 186039
2025 08 09.86944	16 27 11.873	-16 48 01.91	15.5 R	C23 – Olmen	MPC 186039
2025 08 09.87038	16 27 11.683	-16 48 01.66	16.9 r	213 – Observatorio Montcabre	MPC 186039
2025 08 09.87384	16 27 11.119	-16 48 00.90	16.9 r	232 – Masquefa Observatory	MPC 186040
2025 08 09.876378	16 27 10.640	-16 47 56.77	16.81 j	M49 – IAS Remote Observatory, Hakos	MPEC W75
2025 08 09.878677	16 27 10.35	-16 47 59.5	16.1 G	958 – Observatoire de Dax	MPC 186040
2025 08 09.87918	16 27 10.202	-16 47 58.06	16.5 R	C23 – Olmen	MPC 186040
2025 08 09.884197	16 27 09.367	-16 47 54.36	16.81 j	M49 – IAS Remote Observatory, Hakos	MPEC W75
2025 08 09.88667	16 27 09.007	-16 47 56.62	16.8 R	C23 – Olmen	MPC 186040
2025 08 09.88850	16 27 08.762	-16 47 55.61	16.7 r	J47 – Observatorio Nazaret	MPC 186040
2025 08 09.892015	16 27 08.053	-16 47 51.77	16.72 j	M49 – IAS Remote Observatory, Hakos	MPEC W75
2025 08 09.895320	16 27 07.54	-16 47 53.8	16.1 G	958 – Observatoire de Dax	MPC 186040
2025 08 09.90090	16 27 06.720	-16 47 52.87	16.5 r	J47 – Observatorio Nazaret	MPC 186040
2025 08 09.90095	16 27 06.614	-16 47 51.90	16.6 r	213 – Observatorio Montcabre	MPC 186040
2025 08 09.900966	16 27 06.567	-16 47 48.90	16.67 j	M49 – IAS Remote Observatory, Hakos	MPEC W75
2025 08 09.90263	16 27 06.485	-16 47 48.98	16.3 V	X93 – Munhoz Observatory	MPC 186040
2025 08 09.90405	16 27 06.281	-16 47 48.55	16.7 V	X93 – Munhoz Observatory	MPC 186040
2025 08 09.90549	16 27 06.026	-16 47 47.98	16.7 V	X93 – Munhoz Observatory	MPC 186040
2025 08 09.91330	16 27 04.582	-16 47 46.54	16.6 r	J47 – Observatorio Nazaret	MPC 186040
2025 08 09.913337	16 27 04.524	-16 47 44.76	16.80 V	M49 – IAS Remote Observatory, Hakos	MPEC W130
2025 08 09.914799	16 27 04.474	-16 47 44.75		Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186040
2025 08 09.921866	16 27 03.124	-16 47 41.81	16.90 V	M49 – IAS Remote Observatory, Hakos	MPEC W130
2025 08 09.930392	16 27 01.715	-16 47 39.18	16.85 V	M49 – IAS Remote Observatory, Hakos	MPEC W130
2025 08 09.932032	16 27 01.608	-16 47 39.18	16.3 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186040
2025 08 09.940046	16 27 00.137	-16 47 36.02	16.85 V	M49 – IAS Remote Observatory, Hakos	MPEC W130
2025 08 09.961522	16 26 56.717	-16 47 29.94	16.0 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186040
2025 08 10.403630	16 25 44.145	-16 45 05.82	16.7 G	Q62 – iTelescope Observatory, Siding Spring	MPC 186040
2025 08 10.409895	16 25 43.099	-16 45 03.80	16.7 G	Q62 – iTelescope Observatory, Siding Spring	MPC 186040
2025 08 10.418369	16 25 41.709	-16 45 00.93	16.8 G	Q62 – iTelescope Observatory, Siding Spring	MPC 186040
2025 08 10.420259	16 25 41.390	-16 45 00.35	16.8 G	Q62 – iTelescope Observatory, Siding Spring	MPC 186040
2025 08 10.42394	16 25 40.76	-16 44 59.1	16.0 T	Q62 – iTelescope Observatory, Siding Spring	MPC 186040
2025 08 10.42563	16 25 40.49	-16 44 58.6	16.4 N	Q62 – iTelescope Observatory, Siding Spring	MPC 186040
2025 08 10.42648	16 25 40.35	-16 44 58.3		Q62 – iTelescope Observatory, Siding Spring	MPC 186040
2025 08 10.43159	16 25 39.52	-16 44 56.5		Q62 – iTelescope Observatory, Siding Spring	MPC 186040
2025 08 10.431902	16 25 39.472	-16 44 56.46	16.8 G	Q62 – iTelescope Observatory, Siding Spring	MPC 186040
2025 08 10.76484	16 24 44.81	-16 43 10.9	16.3 G	C40 – Kuban State University Astrophysical Observato	MPC 186040
2025 08 10.78228	16 24 41.94	-16 43 05.3	16.3 G	C40 – Kuban State University Astrophysical Observato	MPC 186040

2025 08 10.784285	16 24 41.658	-16 43 02.04		M21 – Schiaparelli Southern Observatory, Hakos	MPC 186040
2025 08 10.79953	16 24 39.12	-16 42 59.8	16.3 G	C40 – Kuban State University Astrophysical Observato	MPC 186040
2025 08 10.806115	16 24 38.044	-16 42 54.57	17.1 G	M21 – Schiaparelli Southern Observatory, Hakos	MPC 186040
2025 08 10.82920	16 24 34.25	-16 42 49.9	16.4 G	A71 – Stixendorf	MPC 186040
2025 08 10.83228	16 24 33.70	-16 42 48.4	15.9 G	A71 – Stixendorf	MPC 186040
2025 08 10.83536	16 24 33.24	-16 42 48.8	16.4 G	A71 – Stixendorf	MPC 186040
2025 08 10.839256	16 24 32.638	-16 42 47.02	16.9 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 186040
2025 08 10.83961	16 24 32.508	-16 42 45.68	15.5 G	B96 – Brixiis Observatory, Kruibeke	MPC 186040
2025 08 10.84325	16 24 31.91	-16 42 46.0	16.9 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 186040
2025 08 10.844159	16 24 31.817	-16 42 45.07	16.8 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 186040
2025 08 10.848665	16 24 31.060	-16 42 44.36	15.7 G	G34 – Oberfrauendorf	MPC 186040
2025 08 10.848713	16 24 31.058	-16 42 43.88	16.9 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 186040
2025 08 10.84980	16 24 30.87	-16 42 43.5	16.5 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 186040
2025 08 10.85120	16 24 30.710	-16 42 43.20	15.6 G	B96 – Brixiis Observatory, Kruibeke	MPC 186040
2025 08 10.851515	16 24 30.585	-16 42 42.81	16.0 G	G34 – Oberfrauendorf	MPC 186040
2025 08 10.855186	16 24 30.13	-16 42 41.1	16.1 G	958 – Observatoire de Dax	MPC 186040
2025 08 10.85634	16 24 29.79	-16 42 41.4	16.8 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 186040
2025 08 10.86409	16 24 28.493	-16 42 38.48	15.6 G	B96 – Brixiis Observatory, Kruibeke	MPC 186040
2025 08 10.86696	16 24 28.056	-16 42 36.94	15.5 R	C23 – Olmen	MPC 186040
2025 08 10.86961	16 24 27.59	-16 42 37.4	16.0 G	K77 – EHB01 Observatory, Engelhardsberg	MPC 186040
2025 08 10.87058	16 24 27.490	-16 42 35.71	16.4 G	J47 – Observatorio Nazaret	MPC 186040
2025 08 10.87110	16 24 27.39	-16 42 37.0	16.3 G	K77 – EHB01 Observatory, Engelhardsberg	MPC 186040
2025 08 10.872303	16 24 27.15	-16 42 36.0	16.4 G	958 – Observatoire de Dax	MPC 186040
2025 08 10.87407	16 24 26.90	-16 42 36.8	16.1 G	K77 – EHB01 Observatory, Engelhardsberg	MPC 186040
2025 08 10.87444	16 24 26.794	-16 42 35.03	16.0 R	C23 – Olmen	MPC 186040
2025 08 10.87697	16 24 26.417	-16 42 33.80	15.5 G	B96 – Brixiis Observatory, Kruibeke	MPC 186040
2025 08 10.87725	16 24 26.354	-16 42 34.24	16.4 r	213 – Observatorio Montcabre	MPC 186040
2025 08 10.87818	16 24 26.215	-16 42 35.21	16.0 R	C23 – Olmen	MPC 186040
2025 08 10.87953	16 24 25.997	-16 42 33.19	16.4 G	J47 – Observatorio Nazaret	MPC 186040
2025 08 10.88829	16 24 24.526	-16 42 30.71	16.4 G	J47 – Observatorio Nazaret	MPC 186040
2025 08 10.888766	16 24 24.45	-16 42 30.8	16.3 G	958 – Observatoire de Dax	MPC 186040
2025 08 10.88986	16 24 24.281	-16 42 29.20	15.9 G	B96 – Brixiis Observatory, Kruibeke	MPC 186040
2025 08 10.89310	16 24 23.760	-16 42 28.84	16.4 r	213 – Observatorio Montcabre	MPC 186040
2025 08 10.89319	16 24 23.738	-16 42 28.84	16.4 G	179 – Monte Generoso	MPC 187163
2025 08 10.89483	16 24 23.498	-16 42 28.22	16.3 r	R50 – Obsservatorio astronomico Orion	MPC 186040
2025 08 10.89677	16 24 23.215	-16 42 26.60	16.1 r	R50 – Obsservatorio astronomico Orion	MPC 186040
2025 08 10.89869	16 24 22.807	-16 42 28.15	16.0 r	R50 – Obsservatorio astronomico Orion	MPC 186040
2025 08 10.89992	16 24 22.610	-16 42 26.57	16.4 G	179 – Monte Generoso	MPC 187163
2025 08 10.90280	16 24 22.291	-16 42 23.76	15.7 G	B96 – Brixiis Observatory, Kruibeke	MPC 186040
2025 08 10.90838	16 24 21.266	-16 42 22.68	16.8 r	213 – Observatorio Montcabre	MPC 186040
2025 08 10.91083	16 24 20.964	-16 42 20.12	16.3 V	X93 – Munhoz Observatory	MPC 186040

2025 08 10.91524	16 24 20.234	-16 42 18.58	16.7 V	X93 – Munhoz Observatory	MPC 186040
2025 08 10.91964	16 24 19.500	-16 42 17.17	16.6 V	X93 – Munhoz Observatory	MPC 186040
2025 08 11.148574	16 23 41.908	-16 41 04.81	16.7 G	U94 – iTelescope Observatory, Beryl Junction	MPC 186040
2025 08 11.153135	16 23 41.168	-16 41 03.14	16.4 G	U94 – iTelescope Observatory, Beryl Junction	MPC 186040
2025 08 11.159991	16 23 40.038	-16 41 01.31	16.3 G	U94 – iTelescope Observatory, Beryl Junction	MPC 186040
2025 08 11.164538	16 23 39.269	-16 40 59.47	16.4 G	U94 – iTelescope Observatory, Beryl Junction	MPC 186040
2025 08 11.173686	16 23 37.762	-16 40 56.45	16.5 G	U94 – iTelescope Observatory, Beryl Junction	MPC 186040
2025 08 11.20645	16 23 32.369	-16 40 45.62	16.1 G	U52 – Shasta Valley Observatory, Grenada	MPC 186040
2025 08 11.22689	16 23 29.011	-16 40 38.89	16.1 G	U52 – Shasta Valley Observatory, Grenada	MPC 186040
2025 08 11.24736	16 23 25.661	-16 40 32.27	16.3 G	U52 – Shasta Valley Observatory, Grenada	MPC 186040
2025 08 11.57453	16 22 31.937	-16 38 39.16	16.3 V	323 – Perth Observatory, Bickley	MPC 186040
2025 08 11.58091	16 22 30.838	-16 38 37.14	16.2 V	323 – Perth Observatory, Bickley	MPC 186040
2025 08 11.58625	16 22 29.916	-16 38 35.92	15.6 V	323 – Perth Observatory, Bickley	MPC 186040
2025 08 11.67353	16 22 15.900	-16 38 10.18	15.9 G	N42 – Tien-Shan Astronomical Observatory	MPC 186040
2025 08 11.67598	16 22 15.480	-16 38 09.42	15.7 G	N42 – Tien-Shan Astronomical Observatory	MPC 186040
2025 08 11.67816	16 22 15.094	-16 38 08.16	15.7 G	N42 – Tien-Shan Astronomical Observatory	MPC 186040
2025 08 11.81666	16 21 52.45	-16 37 22.6	16.2 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 186040
2025 08 11.82263	16 21 51.50	-16 37 21.1	15.7 G	A71 – Stixendorf	MPC 186040
2025 08 11.82467	16 21 51.16	-16 37 20.1	16.7 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 186040
2025 08 11.82566	16 21 50.95	-16 37 19.9	15.8 G	A71 – Stixendorf	MPC 186040
2025 08 11.82697	16 21 50.772	-16 37 20.03	15.9 G	160 – Castelmartini	MPC 186040
2025 08 11.82852	16 21 50.49	-16 37 18.9	15.7 G	A71 – Stixendorf	MPC 186040
2025 08 11.83016	16 21 50.246	-16 37 18.73	15.9 G	160 – Castelmartini	MPC 186040
2025 08 11.83286	16 21 49.81	-16 37 17.5	17.1 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 186040
2025 08 11.83314	16 21 49.754	-16 37 17.54	15.9 G	160 – Castelmartini	MPC 186040
2025 08 11.83806	16 21 48.948	-16 37 15.85	16.5 G	G19 – Immanuel Kant Observatory,Limbach	MPC 186040
2025 08 11.839263	16 21 48.576	-16 37 14.38	16.9 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 187163
2025 08 11.84236	16 21 48.254	-16 37 14.02	16.2 G	160 – Castelmartini	MPC 186040
2025 08 11.845569	16 21 47.575	-16 37 12.47	16.8 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 187163
2025 08 11.84598	16 21 47.618	-16 37 12.94	16.2 G	160 – Castelmartini	MPC 186040
2025 08 11.84692	16 21 47.484	-16 37 12.14	16.5 G	G19 – Immanuel Kant Observatory,Limbach	MPC 186040
2025 08 11.84853	16 21 47.194	-16 37 12.00	16.0 G	160 – Castelmartini	MPC 186040
2025 08 11.850234	16 21 46.97	-16 37 11.3	16.3 G	958 – Observatoire de Dax	MPC 186040
2025 08 11.851524	16 21 46.574	-16 37 10.49	16.9 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 187163
2025 08 11.85926	16 21 45.485	-16 37 07.68	16.3 R	C23 – Olmen	MPC 186040
2025 08 11.86027	16 21 45.343	-16 37 07.75	16.8 V	K35 – Huenfelden	MPC 186040
2025 08 11.86524	16 21 44.544	-16 37 06.67	16.3 R	C23 – Olmen	MPC 186040
2025 08 11.866608	16 21 44.33	-16 37 07.1	16.1 G	958 – Observatoire de Dax	MPC 186040
2025 08 11.86757	16 21 44.095	-16 37 05.84	16.9 V	K35 – Huenfelden	MPC 186040
2025 08 11.86939	16 21 43.841	-16 37 05.23	16.6 V	K35 – Huenfelden	MPC 186040
2025 08 11.87199	16 21 43.344	-16 37 03.47	16.2 R	C23 – Olmen	MPC 186040

2025 08 11.87280	16 21 43.282	-16 37 02.75	16.3 r	J47 – Observatorio Nazaret	MPC 186040
2025 08 11.87985	16 21 42.053	-16 37 01.38	16.1 R	C23 – Olmen	MPC 186040
2025 08 11.883073	16 21 41.72	-16 37 01.7	16.4 G	958 – Observatoire de Dax	MPC 186040
2025 08 11.88664	16 21 41.018	-16 36 58.75	16.1 r	J47 – Observatorio Nazaret	MPC 186041
2025 08 11.89197	16 21 40.109	-16 36 57.10	16.4 G	179 – Monte Generoso	MPC 187163
2025 08 11.89709	16 21 39.281	-16 36 55.62	16.9 G	179 – Monte Generoso	MPC 187163
2025 08 11.90049	16 21 38.765	-16 36 56.70	15.5 r	J47 – Observatorio Nazaret	MPC 186041
2025 08 11.90235	16 21 38.410	-16 36 53.68	16.9 G	179 – Monte Generoso	MPC 187163
2025 08 11.915331	16 21 36.382	-16 36 46.68	16.4 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186041
2025 08 11.929387	16 21 34.073	-16 36 41.86	16.3 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186041
2025 08 11.943213	16 21 31.780	-16 36 37.56	16.4 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 186041
2025 08 12.010143	16 21 20.882	-16 36 14.41	18.7 G	309 – Cerro Paranal	MPC 187163
2025 08 12.012281	16 21 20.525	-16 36 13.66	18.8 G	309 – Cerro Paranal	MPC 187163
2025 08 12.02240	16 21 18.77	-16 36 10.8	16.8 G	X76 – SUN Observatory, Redencao	MPC 186041
2025 08 12.03167	16 21 17.24	-16 36 07.8	16.9 G	X76 – SUN Observatory, Redencao	MPC 186041
2025 08 12.04094	16 21 15.70	-16 36 04.6	16.9 G	X76 – SUN Observatory, Redencao	MPC 186041
2025 08 12.169656	16 20 54.748	-16 35 23.37	17.0 G	U69 – iTelescope SRO Observatory, Auberry	MPC 187163
2025 08 12.180355	16 20 52.999	-16 35 19.84	16.9 G	U69 – iTelescope SRO Observatory, Auberry	MPC 187163
2025 08 12.18514	16 20 52.186	-16 35 18.60	16.5 G	U94 – iTelescope Observatory, Beryl Junction	MPC 187163
2025 08 12.187804	16 20 51.775	-16 35 17.58	16.9 G	U69 – iTelescope SRO Observatory, Auberry	MPC 187163
2025 08 12.18934	16 20 51.514	-16 35 17.09	16.4 G	U94 – iTelescope Observatory, Beryl Junction	MPC 187163
2025 08 12.19353	16 20 50.801	-16 35 15.68	16.4 G	U94 – iTelescope Observatory, Beryl Junction	MPC 187163
2025 08 12.19772	16 20 50.126	-16 35 14.39	16.3 G	U94 – iTelescope Observatory, Beryl Junction	MPC 187163
2025 08 12.50462	16 19 59.94	-16 33 26.7	16.2 G	Q62 – iTelescope Observatory, Siding Spring	MPC 186041
2025 08 12.50846	16 19 59.31	-16 33 25.3	16.4 G	Q62 – iTelescope Observatory, Siding Spring	MPC 186041
2025 08 12.51230	16 19 58.68	-16 33 24.1	16.4 G	Q62 – iTelescope Observatory, Siding Spring	MPC 186041
2025 08 12.51611	16 19 58.05	-16 33 22.7	16.2 G	Q62 – iTelescope Observatory, Siding Spring	MPC 186041
2025 08 12.51990	16 19 57.44	-16 33 21.7		Q62 – iTelescope Observatory, Siding Spring	MPC 186041
2025 08 12.52324	16 19 56.89	-16 33 20.5		Q62 – iTelescope Observatory, Siding Spring	MPC 186041
2025 08 12.54465	16 19 53.280	-16 33 12.78	15.7 V	323 – Perth Observatory, Bickley	MPC 187163
2025 08 12.55105	16 19 52.226	-16 33 10.66	15.5 V	323 – Perth Observatory, Bickley	MPC 187163
2025 08 12.55638	16 19 51.341	-16 33 08.89	15.3 V	323 – Perth Observatory, Bickley	MPC 187163
2025 08 12.73226	16 19 22.89	-16 32 12.7	16.3 G	C40 – Kuban State University Astrophysical Observato	MPC 187163
2025 08 12.73671	16 19 22.14	-16 32 11.7	16.2 G	C40 – Kuban State University Astrophysical Observato	MPC 187163
2025 08 12.74117	16 19 21.42	-16 32 10.4	16.4 G	C40 – Kuban State University Astrophysical Observato	MPC 187163
2025 08 12.74563	16 19 20.67	-16 32 08.6	16.3 G	C40 – Kuban State University Astrophysical Observato	MPC 187163
2025 08 12.75009	16 19 19.97	-16 32 07.2	16.3 G	C40 – Kuban State University Astrophysical Observato	MPC 187163
2025 08 12.75454	16 19 19.24	-16 32 05.5	16.2 G	C40 – Kuban State University Astrophysical Observato	MPC 187163
2025 08 12.75900	16 19 18.47	-16 32 03.9	16.2 G	C40 – Kuban State University Astrophysical Observato	MPC 187163
2025 08 12.759701	16 19 18.421	-16 32 00.74		M21 – Schiaparelli Southern Observatory, Hakos	MPC 187163
2025 08 12.76347	16 19 17.76	-16 32 02.8	16.3 G	C40 – Kuban State University Astrophysical Observato	MPC 187163

2025 08 12.76773	16 19 17.06	-16 32 01.1	16.3 G	C40 – Kuban State University Astrophysical Observato	MPC 187163
2025 08 12.770722	16 19 16.600	-16 31 56.99	16.8 G	M21 – Schiaparelli Southern Observatory, Hakos	MPC 187163
2025 08 12.77181	16 19 16.40	-16 32 00.1	16.3 G	C40 – Kuban State University Astrophysical Observato	MPC 187163
2025 08 12.77590	16 19 15.73	-16 31 58.5	16.3 G	C40 – Kuban State University Astrophysical Observato	MPC 187163
2025 08 12.77998	16 19 15.06	-16 31 56.6	16.2 G	C40 – Kuban State University Astrophysical Observato	MPC 187163
2025 08 12.799413	16 19 11.920	-16 31 47.25	17.4 G	M21 – Schiaparelli Southern Observatory, Hakos	MPC 187163
2025 08 12.81222	16 19 09.809	-16 31 45.98	16.6 V	S30 – Zenit, Hajduboszormeny	MPC 187163
2025 08 12.81750	16 19 08.940	-16 31 44.44	16.5 V	S30 – Zenit, Hajduboszormeny	MPC 187163
2025 08 12.82242	16 19 08.119	-16 31 42.31	16.3 V	S30 – Zenit, Hajduboszormeny	MPC 187163
2025 08 12.82772	16 19 07.313	-16 31 40.98	16.1 R	056 – Skalnate Pleso	MPC 187163
2025 08 12.830797	16 19 06.768	-16 31 39.64	15.9 G	G34 – Oberfrauendorf	MPC 187163
2025 08 12.83340	16 19 06.322	-16 31 38.96	16.1 R	056 – Skalnate Pleso	MPC 187163
2025 08 12.834767	16 19 06.174	-16 31 38.63	15.6 G	G34 – Oberfrauendorf	MPC 187163
2025 08 12.837172	16 19 05.736	-16 31 37.67	16.6 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 187163
2025 08 12.83909	16 19 05.474	-16 31 37.27	16.3 R	056 – Skalnate Pleso	MPC 187163
2025 08 12.842075	16 19 04.942	-16 31 35.87	16.7 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 187163
2025 08 12.84378	16 19 04.586	-16 31 35.08	16.5 G	B50 – Corner Observatory, Durmersheim	MPC 187163
2025 08 12.84477	16 19 04.522	-16 31 34.61	16.3 R	056 – Skalnate Pleso	MPC 187163
2025 08 12.846628	16 19 04.181	-16 31 34.43	16.6 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 187163
2025 08 12.85035	16 19 03.610	-16 31 32.38	16.5 G	B50 – Corner Observatory, Durmersheim	MPC 187163
2025 08 12.85517	16 19 02.782	-16 31 31.30	16.8 G	L49 – VEGA-Sternwarte, Dorfleiten	MPC 187163
2025 08 12.85670	16 19 02.539	-16 31 30.97	15.6 G	B50 – Corner Observatory, Durmersheim	MPC 187163
2025 08 12.86234	16 19 01.598	-16 31 29.03	16.8 G	L49 – VEGA-Sternwarte, Dorfleiten	MPC 187163
2025 08 12.86252	16 19 01.586	-16 31 28.34	16.3 r	213 – Observatorio Montcabre	MPC 187163
2025 08 12.86404	16 19 01.354	-16 31 28.09	15.9 R	C23 – Olmen	MPC 187163
2025 08 12.86928	16 19 00.499	-16 31 26.26	17.6 R	C23 – Olmen	MPC 187163
2025 08 12.86994	16 19 00.365	-16 31 26.47	16.8 G	L49 – VEGA-Sternwarte, Dorfleiten	MPC 187163
2025 08 12.87377	16 18 59.719	-16 31 25.14	16.9 R	C23 – Olmen	MPC 187163
2025 08 12.87647	16 18 59.316	-16 31 24.17	16.3 G	J47 – Observatorio Nazaret	MPC 187163
2025 08 12.877235	16 18 59.215	-16 31 23.16	16.51 w	R17 – ATLAS-TDO	MPC 187163
2025 08 12.88402	16 18 58.066	-16 31 21.07	16.4 r	213 – Observatorio Montcabre	MPC 187163
2025 08 12.891373	16 18 56.902	-16 31 18.44	16.46 w	R17 – ATLAS-TDO	MPC 187163
2025 08 12.89381	16 18 56.477	-16 31 17.00	16.8 G	J47 – Observatorio Nazaret	MPC 187163
2025 08 12.90551	16 18 54.595	-16 31 13.51	16.4 r	213 – Observatorio Montcabre	MPC 187163
2025 08 12.905518	16 18 54.571	-16 31 13.44	16.47 w	R17 – ATLAS-TDO	MPC 187163
2025 08 12.91225	16 18 53.405	-16 31 10.67	16.8 G	J47 – Observatorio Nazaret	MPC 187163
2025 08 12.919671	16 18 52.248	-16 31 08.65	16.57 w	R17 – ATLAS-TDO	MPC 187163
2025 08 13.17494	16 18 10.67	-16 29 41.9	15.7 T	U94 – iTelescope Observatory, Beryl Junction	MPC 187163
2025 08 13.17580	16 18 10.53	-16 29 41.6	16.3 N	U94 – iTelescope Observatory, Beryl Junction	MPC 187163
2025 08 13.18097	16 18 09.66	-16 29 39.7		U94 – iTelescope Observatory, Beryl Junction	MPC 187163
2025 08 13.18427	16 18 09.10	-16 29 38.7		U94 – iTelescope Observatory, Beryl Junction	MPC 187163

2025 08 13.24779	16 17 58.829	-16 29 15.94	17.6 V	F65 – Haleakala-Faulkes Telescope North	MPC 187163
2025 08 13.24953	16 17 58.548	-16 29 15.36	17.6 V	F65 – Haleakala-Faulkes Telescope North	MPC 187163
2025 08 13.25068	16 17 58.368	-16 29 15.04	17.5 V	F65 – Haleakala-Faulkes Telescope North	MPC 187163
2025 08 13.46260	16 17 23.85	-16 28 02.5	15.9 V	P87 – Hirao Observatory, Yamaguchi	MPC 187163
2025 08 13.47428	16 17 21.93	-16 27 58.5		P87 – Hirao Observatory, Yamaguchi	MPC 187163
2025 08 13.48742	16 17 19.74	-16 27 53.9		P87 – Hirao Observatory, Yamaguchi	MPC 187163
2025 08 13.74056	16 16 38.58	-16 26 26.6	16.3 G	C40 – Kuban State University Astrophysical Observato	MPC 187163
2025 08 13.75299	16 16 36.58	-16 26 22.4	16.3 G	C40 – Kuban State University Astrophysical Observato	MPC 187163
2025 08 13.76524	16 16 34.57	-16 26 18.0	16.3 G	C40 – Kuban State University Astrophysical Observato	MPC 187163
2025 08 13.79465	16 16 29.798	-16 26 08.16	16.4 G	L54 – Berthelot Observatory, Hunedoara	MPC 187163
2025 08 13.82038	16 16 25.522	-16 25 59.12	16.5 G	L54 – Berthelot Observatory, Hunedoara	MPC 187163
2025 08 13.82134	16 16 25.45	-16 25 58.7	16.7 G	G00 – AZM Martinsberg, Oed	MPC 187163
2025 08 13.82381	16 16 25.05	-16 25 57.6	16.5 G	G00 – AZM Martinsberg, Oed	MPC 187163
2025 08 13.82628	16 16 24.65	-16 25 56.8	16.4 G	G00 – AZM Martinsberg, Oed	MPC 187163
2025 08 13.82874	16 16 24.24	-16 25 56.2	16.6 G	G00 – AZM Martinsberg, Oed	MPC 187163
2025 08 13.83125	16 16 23.83	-16 25 55.2	16.5 G	G00 – AZM Martinsberg, Oed	MPC 187163
2025 08 13.83376	16 16 23.41	-16 25 54.1	16.5 G	G00 – AZM Martinsberg, Oed	MPC 187163
2025 08 13.835083	16 16 23.203	-16 25 54.12	16.5 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 187163
2025 08 13.83607	16 16 23.06	-16 25 54.2	16.8 N	M18 – Koeditz	MPC 187163
2025 08 13.83622	16 16 23.059	-16 25 53.44	16.4 r	213 – Observatorio Montcabre	MPC 187163
2025 08 13.838587	16 16 22.632	-16 25 53.11	16.2 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 187163
2025 08 13.841738	16 16 22.140	-16 25 52.07	16.1 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 187163
2025 08 13.84928	16 16 20.93	-16 25 48.9	16.8 N	M18 – Koeditz	MPC 187163
2025 08 13.85138	16 16 20.506	-16 25 48.07	16.4 G	L54 – Berthelot Observatory, Hunedoara	MPC 187163
2025 08 13.85575	16 16 19.910	-16 25 46.67	16.5 G	J47 – Observatorio Nazaret	MPC 187163
2025 08 13.86274	16 16 18.68	-16 25 44.5	16.4 G	B15 – Inastars Observatory, Potsdam (since 2006)	MPC 187163
2025 08 13.86291	16 16 18.718	-16 25 43.79	16.5 G	J47 – Observatorio Nazaret	MPC 187163
2025 08 13.86623	16 16 18.130	-16 25 42.92	16.4 r	213 – Observatorio Montcabre	MPC 187163
2025 08 13.86757	16 16 17.87	-16 25 42.9	16.5 G	B15 – Inastars Observatory, Potsdam (since 2006)	MPC 187163
2025 08 13.86974	16 16 17.48	-16 25 42.4	16.4 G	B15 – Inastars Observatory, Potsdam (since 2006)	MPC 187163
2025 08 13.87116	16 16 17.338	-16 25 41.20	16.3 G	179 – Monte Generoso	MPC 187164
2025 08 13.87208	16 16 17.208	-16 25 40.62	16.5 G	J47 – Observatorio Nazaret	MPC 187164
2025 08 13.87657	16 16 16.457	-16 25 39.14	16.1 G	179 – Monte Generoso	MPC 187164
2025 08 13.88197	16 16 15.562	-16 25 37.38	16.2 G	179 – Monte Generoso	MPC 187164
2025 08 13.887508	16 16 14.718	-16 25 35.41	17.0 r	J13 – La Palma-Liverpool Telescope	MPC 187164
2025 08 13.891262	16 16 14.086	-16 25 34.23		J13 – La Palma-Liverpool Telescope	MPC 187164
2025 08 13.89569	16 16 13.320	-16 25 32.70	16.4 r	213 – Observatorio Montcabre	MPC 187164
2025 08 13.912488	16 16 10.678	-16 25 23.91	16.4 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187164
2025 08 13.928980	16 16 07.980	-16 25 18.24	16.2 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187164
2025 08 13.945082	16 16 05.339	-16 25 12.64	16.3 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187164
2025 08 14.32683	16 15 03.382	-16 22 58.26	16.6 V	E86 – Speranza Observatory, Otaki	MPC 187164

2025 08 14.33267	16 15 02.438	-16 22 55.99	16.6 V	E86 – Speranza Observatory, Otaki	MPC 187164
2025 08 14.33887	16 15 01.426	-16 22 54.05	16.6 V	E86 – Speranza Observatory, Otaki	MPC 187164
2025 08 14.43319	16 14 46.061	-16 22 21.50	17.0 G	E62 – Slooh.com Australia, Coonabarabran	MPC 187164
2025 08 14.43417	16 14 45.917	-16 22 21.14	16.5 G	E62 – Slooh.com Australia, Coonabarabran	MPC 187164
2025 08 14.43499	16 14 45.790	-16 22 20.82	16.6 G	E62 – Slooh.com Australia, Coonabarabran	MPC 187164
2025 08 14.43581	16 14 45.662	-16 22 20.64	17.0 G	E62 – Slooh.com Australia, Coonabarabran	MPC 187164
2025 08 14.43766	16 14 45.346	-16 22 19.88	16.6 G	E62 – Slooh.com Australia, Coonabarabran	MPC 187164
2025 08 14.43851	16 14 45.233	-16 22 19.60	17.1 G	E62 – Slooh.com Australia, Coonabarabran	MPC 187164
2025 08 14.73091	16 13 57.84	-16 20 40.1	16.3 G	C40 – Kuban State University Astrophysical Observato	MPC 187164
2025 08 14.74503	16 13 55.53	-16 20 35.3	16.3 G	C40 – Kuban State University Astrophysical Observato	MPC 187164
2025 08 14.75895	16 13 53.26	-16 20 30.4	16.3 G	C40 – Kuban State University Astrophysical Observato	MPC 187164
2025 08 14.79250	16 13 47.873	-16 20 19.72	16.7 G	L54 – Berthelot Observatory, Hunedoara	MPC 187164
2025 08 14.79515	16 13 47.412	-16 20 17.84	16.3 V	S30 – Zenit, Hajduboszormeny	MPC 187164
2025 08 14.80252	16 13 46.217	-16 20 15.18	16.5 V	S30 – Zenit, Hajduboszormeny	MPC 187164
2025 08 14.80894	16 13 45.118	-16 20 12.44	16.2 R	056 – Skalnate Pleso	MPC 187164
2025 08 14.80955	16 13 45.074	-16 20 12.62	16.5 V	S30 – Zenit, Hajduboszormeny	MPC 187164
2025 08 14.81082	16 13 44.89	-16 20 12.3	16.5 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 187164
2025 08 14.81281	16 13 44.55	-16 20 11.6	16.5 G	G00 – AZM Martinsberg, Oed	MPC 187164
2025 08 14.81380	16 13 44.388	-16 20 11.29	15.4 G	A98 – Observatory Mazzarot-1, Baran'	MPC 187164
2025 08 14.81453	16 13 43.903	-16 20 08.99	15.5 G	A98 – Observatory Mazzarot-1, Baran'	MPC 187164
2025 08 14.81471	16 13 44.27	-16 20 10.9	16.3 G	G00 – AZM Martinsberg, Oed	MPC 187164
2025 08 14.81660	16 13 43.94	-16 20 10.1	16.3 G	G00 – AZM Martinsberg, Oed	MPC 187164
2025 08 14.81706	16 13 43.87	-16 20 10.0	16.5 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 187164
2025 08 14.81870	16 13 43.618	-16 20 05.96	15.3 G	A98 – Observatory Mazzarot-1, Baran'	MPC 187164
2025 08 14.82031	16 13 43.291	-16 20 08.45	16.2 R	056 – Skalnate Pleso	MPC 187164
2025 08 14.82161	16 13 43.12	-16 20 08.3	16.2 G	G00 – AZM Martinsberg, Oed	MPC 187164
2025 08 14.82353	16 13 42.82	-16 20 07.6	16.7 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 187164
2025 08 14.82600	16 13 42.430	-16 20 07.12	16.4 R	056 – Skalnate Pleso	MPC 187164
2025 08 14.82728	16 13 42.170	-16 20 06.50	16.6 G	L54 – Berthelot Observatory, Hunedoara	MPC 187164
2025 08 14.82777	16 13 42.12	-16 20 06.4	16.1 G	G00 – AZM Martinsberg, Oed	MPC 187164
2025 08 14.83168	16 13 41.458	-16 20 04.20	16.3 R	056 – Skalnate Pleso	MPC 187164
2025 08 14.83385	16 13 41.12	-16 20 04.2	16.1 G	G00 – AZM Martinsberg, Oed	MPC 187164
2025 08 14.83736	16 13 40.541	-16 20 01.54	16.4 R	056 – Skalnate Pleso	MPC 187164
2025 08 14.84304	16 13 39.614	-16 20 00.89	16.2 R	056 – Skalnate Pleso	MPC 187164
2025 08 14.848547	16 13 38.77	-16 19 58.7	16.8 G	958 – Observatoire de Dax	MPC 187164
2025 08 14.85449	16 13 37.790	-16 19 57.04	16.7 G	L54 – Berthelot Observatory, Hunedoara	MPC 187164
2025 08 14.863209	16 13 36.36	-16 19 53.7	16.6 G	958 – Observatoire de Dax	MPC 187164
2025 08 14.86497	16 13 35.988	-16 19 52.82	16.5 r	I75 – Observatorio Los Caracoles, Castello	MPC 187164
2025 08 14.86527	16 13 36.072	-16 19 52.57	16.5 R	C23 – Olmen	MPC 187164
2025 08 14.87002	16 13 35.234	-16 19 50.45	15.9 G	179 – Monte Generoso	MPC 187164
2025 08 14.87275	16 13 34.824	-16 19 50.74	16.0 R	C23 – Olmen	MPC 187164

2025 08 14.87279	16 13 34.795	-16 19 50.88	16.9 r	I75 – Observatorio Los Caracoles, Castello	MPC 187164
2025 08 14.87360	16 13 34.680	-16 19 49.98	16.2 G	179 – Monte Generoso	MPC 187164
2025 08 14.875436	16 13 34.433	-16 19 49.02	17.3 r	J13 – La Palma-Liverpool Telescope	MPC 187164
2025 08 14.876810	16 13 34.211	-16 19 48.56	17.2 r	J13 – La Palma-Liverpool Telescope	MPC 187164
2025 08 14.878185	16 13 33.988	-16 19 48.03	17.2 r	J13 – La Palma-Liverpool Telescope	MPC 187164
2025 08 14.878525	16 13 33.90	-16 19 49.9	16.6 G	958 – Observatoire de Dax	MPC 187164
2025 08 14.88024	16 13 33.535	-16 19 48.94	16.2 R	C23 – Olmen	MPC 187164
2025 08 14.88146	16 13 33.350	-16 19 47.03	16.0 r	I75 – Observatorio Los Caracoles, Castello	MPC 187164
2025 08 14.88773	16 13 32.366	-16 19 43.97	16.2 R	C23 – Olmen	MPC 187164
2025 08 14.92219	16 13 26.808	-16 19 32.45	16.5 G	J47 – Observatorio Nazaret	MPC 187164
2025 08 14.92720	16 13 25.985	-16 19 30.43	16.4 G	J47 – Observatorio Nazaret	MPC 187164
2025 08 14.93238	16 13 25.111	-16 19 28.67	16.4 G	J47 – Observatorio Nazaret	MPC 187164
2025 08 14.98238	16 13 17.15	-16 19 08.1	16.3 G	W79 – Cerro Tololo-LCO Aqawan B #1	MPC 187164
2025 08 14.98449	16 13 16.81	-16 19 07.4	16.3 G	W79 – Cerro Tololo-LCO Aqawan B #1	MPC 187164
2025 08 14.98661	16 13 16.46	-16 19 06.6	16.2 G	W79 – Cerro Tololo-LCO Aqawan B #1	MPC 187164
2025 08 15.26485	16 12 31.402	-16 17 30.59	17.5 V	F65 – Haleakala-Faulkes Telescope North	MPC 187164
2025 08 15.26659	16 12 31.123	-16 17 29.98	17.5 V	F65 – Haleakala-Faulkes Telescope North	MPC 187164
2025 08 15.26774	16 12 30.931	-16 17 29.54	17.5 V	F65 – Haleakala-Faulkes Telescope North	MPC 187164
2025 08 15.41333	16 12 07.40	-16 16 35.6	15.8 T	Q62 – iTelescope Observatory, Siding Spring	MPC 187164
2025 08 15.41454	16 12 07.21	-16 16 35.2	16.3 N	Q62 – iTelescope Observatory, Siding Spring	MPC 187164
2025 08 15.42067	16 12 06.21	-16 16 32.9		Q62 – iTelescope Observatory, Siding Spring	MPC 187164
2025 08 15.42311	16 12 05.81	-16 16 31.9		Q62 – iTelescope Observatory, Siding Spring	MPC 187164
2025 08 15.47096	16 11 58.05	-16 16 17.8	16.5 T	D95 – Kurihara	MPC 187164
2025 08 15.478773	16 11 56.803	-16 16 15.17	16.6 G	900 – Moriyama	MPC 187164
2025 08 15.47954	16 11 56.65	-16 16 14.7		D95 – Kurihara	MPC 187164
2025 08 15.48168	16 11 56.31	-16 16 14.1		D95 – Kurihara	MPC 187164
2025 08 15.485817	16 11 55.666	-16 16 12.54	16.3 G	900 – Moriyama	MPC 187164
2025 08 15.52432	16 11 49.298	-16 15 55.08	16.1 V	323 – Perth Observatory, Bickley	MPC 187164
2025 08 15.53071	16 11 48.245	-16 15 52.78	16.2 V	323 – Perth Observatory, Bickley	MPC 187164
2025 08 15.53603	16 11 47.400	-16 15 50.98	16.2 V	323 – Perth Observatory, Bickley	MPC 187164
2025 08 15.73406	16 11 15.62	-16 14 44.0	16.3 G	C40 – Kuban State University Astrophysical Observato	MPC 187164
2025 08 15.74650	16 11 13.60	-16 14 39.5	16.3 G	C40 – Kuban State University Astrophysical Observato	MPC 187164
2025 08 15.75874	16 11 11.62	-16 14 35.2	16.2 G	C40 – Kuban State University Astrophysical Observato	MPC 187164
2025 08 15.78395	16 11 07.562	-16 14 26.38	16.6 G	L54 – Berthelot Observatory, Hunedoara	MPC 187164
2025 08 15.81950	16 11 01.788	-16 14 13.81	16.7 G	L54 – Berthelot Observatory, Hunedoara	MPC 187164
2025 08 15.842988	16 10 58.061	-16 14 04.56	16.5 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPC 187164
2025 08 15.850816	16 10 56.766	-16 14 02.00	16.5 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPC 187164
2025 08 15.85351	16 10 56.270	-16 14 01.79	16.6 G	L54 – Berthelot Observatory, Hunedoara	MPC 187164
2025 08 15.858644	16 10 55.500	-16 13 59.19	16.7 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPC 187164
2025 08 15.86403	16 10 54.636	-16 13 57.97	16.1 R	C23 – Olmen	MPC 187164
2025 08 15.86912	16 10 53.80	-16 13 55.8	16.4 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 187164

2025 08 15.86927	16 10 53.820	-16 13 55.63	15.6 R	C23 – Olmen	MPC 187164
2025 08 15.87376	16 10 53.052	-16 13 54.19	15.9 R	C23 – Olmen	MPC 187164
2025 08 15.87494	16 10 52.86	-16 13 53.4	16.4 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 187164
2025 08 15.88050	16 10 52.020	-16 13 51.96	15.5 R	C23 – Olmen	MPC 187164
2025 08 15.88077	16 10 51.93	-16 13 51.5	16.4 V	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 187164
2025 08 15.89259	16 10 50.030	-16 13 46.56	16.5 V	J22 – Tacande Observatory, La Palma	MPC 187164
2025 08 15.90231	16 10 48.446	-16 13 43.07	16.4 V	J22 – Tacande Observatory, La Palma	MPC 187164
2025 08 15.91190	16 10 46.891	-16 13 39.68	16.5 V	J22 – Tacande Observatory, La Palma	MPC 187164
2025 08 15.98485	16 10 35.14	-16 13 11.8	16.7 G	X76 – SUN Observatory, Redencao	MPC 187164
2025 08 15.99744	16 10 33.12	-16 13 07.2	16.7 G	X76 – SUN Observatory, Redencao	MPC 187164
2025 08 16.00712	16 10 31.53	-16 13 03.6	16.8 G	X76 – SUN Observatory, Redencao	MPC 187164
2025 08 16.24108	16 09 53.921	-16 11 41.03	17.4 V	F65 – Haleakala-Faulkes Telescope North	MPC 187164
2025 08 16.24281	16 09 53.630	-16 11 40.34	17.5 V	F65 – Haleakala-Faulkes Telescope North	MPC 187164
2025 08 16.24397	16 09 53.448	-16 11 39.98	17.5 V	F65 – Haleakala-Faulkes Telescope North	MPC 187165
2025 08 16.56472	16 09 01.613	-16 09 40.82	15.2 V	323 – Perth Observatory, Bickley	MPC 187165
2025 08 16.57558	16 08 59.839	-16 09 36.76	15.5 V	323 – Perth Observatory, Bickley	MPC 187165
2025 08 16.58090	16 08 58.961	-16 09 34.70	15.7 V	323 – Perth Observatory, Bickley	MPC 187165
2025 08 16.73955	16 08 33.73	-16 08 41.3	16.2 G	C40 – Kuban State University Astrophysical Observato	MPC 187165
2025 08 16.75198	16 08 31.75	-16 08 36.8	16.1 G	C40 – Kuban State University Astrophysical Observato	MPC 187165
2025 08 16.756182	16 08 31.084	-16 08 32.14	17.0 G	M21 – Schiaparelli Southern Observatory, Hakos	MPC 187165
2025 08 16.76422	16 08 29.72	-16 08 31.6	16.2 G	C40 – Kuban State University Astrophysical Observato	MPC 187165
2025 08 16.787797	16 08 25.958	-16 08 20.57	17.0 G	M21 – Schiaparelli Southern Observatory, Hakos	MPC 187165
2025 08 16.81244	16 08 22.006	-16 08 14.75	16.3 V	S30 – Zenit, Hajduboszormeny	MPC 187165
2025 08 16.82825	16 08 19.440	-16 08 09.20	16.4 V	S30 – Zenit, Hajduboszormeny	MPC 187165
2025 08 16.82921	16 08 19.366	-16 08 08.81	16.2 r	213 – Observatorio Montcabre	MPC 187165
2025 08 16.84370	16 08 16.949	-16 08 04.02	16.4 V	S30 – Zenit, Hajduboszormeny	MPC 187165
2025 08 16.84525	16 08 16.757	-16 08 02.87	16.4 r	213 – Observatorio Montcabre	MPC 187165
2025 08 16.86126	16 08 14.206	-16 07 57.50	16.4 r	213 – Observatorio Montcabre	MPC 187165
2025 08 17.38336	16 06 50.513	-16 04 42.82	16.4 G	E62 – Slooh.com Australia, Coonabarabran	MPC 187165
2025 08 17.386764	16 06 49.970	-16 04 41.68	16.76 g	E55 – GOTO South	MPC 187165
2025 08 17.387377	16 06 49.868	-16 04 41.70	16.83 g	E55 – GOTO South	MPC 187165
2025 08 17.387987	16 06 49.785	-16 04 41.11	16.75 g	E55 – GOTO South	MPC 187165
2025 08 17.388601	16 06 49.666	-16 04 40.81	16.80 g	E55 – GOTO South	MPC 187165
2025 08 17.40476	16 06 47.057	-16 04 34.93	16.1 G	E62 – Slooh.com Australia, Coonabarabran	MPC 187165
2025 08 17.41286	16 06 45.77	-16 04 31.9	15.8 T	Q62 – iTelescope Observatory, Siding Spring	MPC 187165
2025 08 17.42031	16 06 44.56	-16 04 29.2	16.2 N	Q62 – iTelescope Observatory, Siding Spring	MPC 187165
2025 08 17.42278	16 06 44.16	-16 04 28.4		Q62 – iTelescope Observatory, Siding Spring	MPC 187165
2025 08 17.42402	16 06 43.96	-16 04 27.9		Q62 – iTelescope Observatory, Siding Spring	MPC 187165
2025 08 17.42647	16 06 43.555	-16 04 26.98	16.2 G	E62 – Slooh.com Australia, Coonabarabran	MPC 187165
2025 08 17.74755	16 05 52.22	-16 02 32.6	16.1 G	C40 – Kuban State University Astrophysical Observato	MPC 187165
2025 08 17.75998	16 05 50.21	-16 02 27.8	16.1 G	C40 – Kuban State University Astrophysical Observato	MPC 187165

2025 08 17.77222	16 05 48.26	-16 02 23.5	16.1 G	C40 – Kuban State University Astrophysical Observato	MPC 187165
2025 08 17.790034	16 05 45.403	-16 02 13.16	15.83 o	M22 – ATLAS South Africa, Sutherland	MPC 187165
2025 08 17.798306	16 05 44.074	-16 02 10.03	15.86 o	M22 – ATLAS South Africa, Sutherland	MPC 187165
2025 08 17.806580	16 05 42.742	-16 02 07.01	15.85 o	M22 – ATLAS South Africa, Sutherland	MPC 187165
2025 08 17.814857	16 05 41.407	-16 02 03.91	15.85 o	M22 – ATLAS South Africa, Sutherland	MPC 187165
2025 08 17.81564	16 05 41.31	-16 02 07.9	16.5 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 187165
2025 08 17.816671	16 05 41.135	-16 02 07.74	16.4 G	G34 – Oberfrauendorf	MPC 187165
2025 08 17.82183	16 05 40.32	-16 02 05.3	16.4 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 187165
2025 08 17.822367	16 05 40.267	-16 02 05.41		G34 – Oberfrauendorf	MPC 187165
2025 08 17.825218	16 05 39.839	-16 02 04.97	16.5 G	G34 – Oberfrauendorf	MPC 187165
2025 08 17.82801	16 05 39.32	-16 02 03.5	16.4 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 187165
2025 08 17.84485	16 05 36.646	-16 01 56.93	15.5 G	B67 – Sternwarte Mirasteilas, Falera	MPC 187165
2025 08 17.85023	16 05 35.77	-16 01 54.4	16.5 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 187165
2025 08 17.85082	16 05 35.674	-16 01 54.88	15.6 G	B67 – Sternwarte Mirasteilas, Falera	MPC 187165
2025 08 17.85226	16 05 35.47	-16 01 53.8	17.0 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 187165
2025 08 17.85419	16 05 35.15	-16 01 53.1	16.3 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 187165
2025 08 17.85612	16 05 34.82	-16 01 52.9	16.5 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 187165
2025 08 17.85805	16 05 34.53	-16 01 52.6	16.7 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 187165
2025 08 17.85829	16 05 34.490	-16 01 51.96	15.2 G	B67 – Sternwarte Mirasteilas, Falera	MPC 187165
2025 08 17.85989	16 05 34.20	-16 01 51.9	17.1 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 187165
2025 08 17.86277	16 05 33.742	-16 01 50.74	15.1 G	B67 – Sternwarte Mirasteilas, Falera	MPC 187165
2025 08 17.86666	16 05 33.106	-16 01 49.55	15.2 G	B67 – Sternwarte Mirasteilas, Falera	MPC 187165
2025 08 17.87471	16 05 31.838	-16 01 46.67	15.6 G	B67 – Sternwarte Mirasteilas, Falera	MPC 187165
2025 08 17.87770	16 05 31.318	-16 01 45.52	15.6 G	B67 – Sternwarte Mirasteilas, Falera	MPC 187165
2025 08 17.890804	16 05 29.327	-16 01 39.20	17.0 r	J13 – La Palma-Liverpool Telescope	MPC 187165
2025 08 17.893130	16 05 28.946	-16 01 38.47		J13 – La Palma-Liverpool Telescope	MPC 187165
2025 08 17.895456	16 05 28.572	-16 01 37.54		J13 – La Palma-Liverpool Telescope	MPC 187165
2025 08 17.94161	16 05 21.139	-16 01 19.92	16.7 G	G40 – Slooh.com Canary Islands Observatory	MPC 187165
2025 08 17.94253	16 05 20.947	-16 01 19.67	15.9 G	G40 – Slooh.com Canary Islands Observatory	MPC 187165
2025 08 17.95535	16 05 18.900	-16 01 15.38	16.1 G	G40 – Slooh.com Canary Islands Observatory	MPC 187165
2025 08 17.95628	16 05 18.806	-16 01 15.13	15.5 G	G40 – Slooh.com Canary Islands Observatory	MPC 187165
2025 08 18.366169	16 04 13.616	-15 58 40.53	16.81 g	E55 – GOTO South	MPC 187165
2025 08 18.366781	16 04 13.503	-15 58 39.75	16.72 g	E55 – GOTO South	MPC 187165
2025 08 18.367392	16 04 13.412	-15 58 39.78	16.82 g	E55 – GOTO South	MPC 187165
2025 08 18.368006	16 04 13.304	-15 58 39.38	16.77 g	E55 – GOTO South	MPC 187165
2025 08 18.369336	16 04 13.030	-15 58 39.40	16.77 g	E55 – GOTO South	MPC 187165
2025 08 18.369950	16 04 13.034	-15 58 39.04	16.87 g	E55 – GOTO South	MPC 187165
2025 08 18.370569	16 04 12.841	-15 58 38.85	16.77 g	E55 – GOTO South	MPC 187165
2025 08 18.371190	16 04 12.795	-15 58 38.81	16.84 g	E55 – GOTO South	MPC 187165
2025 08 18.51427	16 03 49.819	-15 57 45.25	15.9 G	E62 – Slooh.com Australia, Coonabarabran	MPC 187165
2025 08 18.52179	16 03 48.605	-15 57 42.48	16.1 G	E62 – Slooh.com Australia, Coonabarabran	MPC 187165

2025 08 18.564769	16 03 41.87	-15 57 29.7	16.6 g	O18 – WFST, Lenghu	MPC 187165
2025 08 18.565313	16 03 41.77	-15 57 29.5	16.7 g	O18 – WFST, Lenghu	MPC 187165
2025 08 18.566389	16 03 41.61	-15 57 29.1	16.6 g	O18 – WFST, Lenghu	MPC 187165
2025 08 18.80243	16 03 04.025	-15 56 01.57	16.4 G	L54 – Berthelot Observatory, Hunedoara	MPC 187165
2025 08 18.81185	16 03 02.55	-15 55 57.9	16.8 G	G00 – AZM Martinsberg, Oed	MPC 187165
2025 08 18.81353	16 03 02.28	-15 55 57.2	16.5 G	G00 – AZM Martinsberg, Oed	MPC 187165
2025 08 18.81635	16 03 01.85	-15 55 56.1	16.4 G	G00 – AZM Martinsberg, Oed	MPC 187165
2025 08 18.81814	16 03 01.48	-15 55 55.5	16.4 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 187165
2025 08 18.81827	16 03 01.54	-15 55 55.3	16.4 G	G00 – AZM Martinsberg, Oed	MPC 187165
2025 08 18.82018	16 03 01.23	-15 55 54.6	16.4 G	G00 – AZM Martinsberg, Oed	MPC 187165
2025 08 18.82210	16 03 00.93	-15 55 53.9	16.3 G	G00 – AZM Martinsberg, Oed	MPC 187165
2025 08 18.82281	16 03 00.797	-15 55 53.51	16.3 G	L54 – Berthelot Observatory, Hunedoara	MPC 187165
2025 08 18.82401	16 03 00.62	-15 55 53.3	16.2 G	G00 – AZM Martinsberg, Oed	MPC 187165
2025 08 18.82579	16 03 00.32	-15 55 53.5	16.5 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 187165
2025 08 18.82593	16 03 00.32	-15 55 52.7	16.4 G	G00 – AZM Martinsberg, Oed	MPC 187165
2025 08 18.82784	16 03 00.02	-15 55 51.8	16.4 G	G00 – AZM Martinsberg, Oed	MPC 187165
2025 08 18.82975	16 02 59.71	-15 55 51.1	16.2 G	G00 – AZM Martinsberg, Oed	MPC 187165
2025 08 18.83119	16 02 59.47	-15 55 50.4	16.4 G	G00 – AZM Martinsberg, Oed	MPC 187165
2025 08 18.83301	16 02 59.174	-15 55 50.20	16.3 G	B50 – Corner Observatory, Durmersheim	MPC 187165
2025 08 18.83343	16 02 59.11	-15 55 50.5	16.5 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 187165
2025 08 18.83725	16 02 58.466	-15 55 48.50	16.3 G	B50 – Corner Observatory, Durmersheim	MPC 187165
2025 08 18.84128	16 02 57.866	-15 55 46.85	16.2 G	B50 – Corner Observatory, Durmersheim	MPC 187165
2025 08 18.84515	16 02 57.163	-15 55 45.80	16.4 G	B50 – Corner Observatory, Durmersheim	MPC 187165
2025 08 18.84697	16 02 56.899	-15 55 44.18	16.3 G	L54 – Berthelot Observatory, Hunedoara	MPC 187165
2025 08 18.84775	16 02 56.86	-15 55 45.9	15.8 G	K77 – EHB01 Observatory, Engelhardsberg	MPC 187165
2025 08 18.85456	16 02 55.766	-15 55 41.63	15.7 R	C23 – Olmen	MPC 187165
2025 08 18.85546	16 02 55.625	-15 55 41.88	15.7 G	B96 – Brixiis Observatory, Kruibeke	MPC 187165
2025 08 18.85905	16 02 55.018	-15 55 41.30	15.9 R	C23 – Olmen	MPC 187165
2025 08 18.86201	16 02 54.547	-15 55 39.14	15.9 G	B96 – Brixiis Observatory, Kruibeke	MPC 187165
2025 08 18.86411	16 02 54.25	-15 55 39.6	16.0 G	K77 – EHB01 Observatory, Engelhardsberg	MPC 187165
2025 08 18.86429	16 02 54.250	-15 55 37.92	15.9 R	C23 – Olmen	MPC 187165
2025 08 18.86818	16 02 53.628	-15 55 36.98	16.1 G	J51 – Observatorio Atlante, Tenerife	MPC 187165
2025 08 18.86855	16 02 53.628	-15 55 36.48	15.7 G	B96 – Brixiis Observatory, Kruibeke	MPC 187165
2025 08 18.86878	16 02 53.503	-15 55 38.03	16.0 R	C23 – Olmen	MPC 187165
2025 08 18.87328	16 02 52.726	-15 55 34.32	16.0 R	C23 – Olmen	MPC 187165
2025 08 18.88016	16 02 51.715	-15 55 31.80	16.1 G	J51 – Observatorio Atlante, Tenerife	MPC 187165
2025 08 18.89215	16 02 49.793	-15 55 27.70	16.1 G	J51 – Observatorio Atlante, Tenerife	MPC 187165
2025 08 19.399116	16 01 29.455	-15 52 13.32	16.96 g	E55 – GOTO South	MPC 187166
2025 08 19.399729	16 01 29.304	-15 52 13.66	16.65 g	E55 – GOTO South	MPC 187166
2025 08 19.400344	16 01 29.182	-15 52 13.52	16.47 g	E55 – GOTO South	MPC 187166
2025 08 19.43740	16 01 23.38	-15 52 03.4	15.8 T	349 – Ageo	MPC 187166

2025 08 19.44204	16 01 22.67	-15 52 01.4		349 – Ageo	MPC 187166
2025 08 19.46156	16 01 19.45	-15 51 53.7	15.2 T	D88 – Hiratsuka	MPC 187166
2025 08 19.46434	16 01 19.00	-15 51 53.0		D88 – Hiratsuka	MPC 187166
2025 08 19.46713	16 01 18.60	-15 51 52.1		D88 – Hiratsuka	MPC 187166
2025 08 19.480658	16 01 16.409	-15 51 46.40	16.2 G	900 – Moriyama	MPC 187166
2025 08 19.488054	16 01 15.235	-15 51 43.81	16.4 G	900 – Moriyama	MPC 187166
2025 08 19.73663	16 00 35.96	-15 50 09.8	16.1 G	C40 – Kuban State University Astrophysical Observato	MPC 187166
2025 08 19.74888	16 00 34.01	-15 50 05.2	16.1 G	C40 – Kuban State University Astrophysical Observato	MPC 187166
2025 08 19.76112	16 00 32.11	-15 50 00.9	16.1 G	C40 – Kuban State University Astrophysical Observato	MPC 187166
2025 08 19.82186	16 00 22.47	-15 49 38.4	16.4 G	G00 – AZM Martinsberg, Oed	MPC 187166
2025 08 19.82396	16 00 22.13	-15 49 37.7	16.4 G	G00 – AZM Martinsberg, Oed	MPC 187166
2025 08 19.82565	16 00 21.84	-15 49 36.8	16.4 G	G00 – AZM Martinsberg, Oed	MPC 187166
2025 08 19.89513	16 00 10.841	-15 49 10.56	16.2 G	Z10 – PGC, Fregenal de la Sierra	MPC 187166
2025 08 19.90140	16 00 09.799	-15 49 07.97	16.1 G	Z10 – PGC, Fregenal de la Sierra	MPC 187166
2025 08 19.90850	16 00 08.731	-15 49 05.34	16.0 G	Z10 – PGC, Fregenal de la Sierra	MPC 187166
2025 08 20.568044	15 58 24.80	-15 44 54.7	15.8 r	O18 – WFST, Lenghu	MPC 187166
2025 08 20.573380	15 58 23.95	-15 44 52.7	15.8 r	O18 – WFST, Lenghu	MPC 187166
2025 08 20.578704	15 58 23.11	-15 44 50.7	15.8 r	O18 – WFST, Lenghu	MPC 187166
2025 08 20.76885	15 57 53.220	-15 43 38.03	16.3 G	L54 – Berthelot Observatory, Hunedoara	MPC 187166
2025 08 20.80438	15 57 47.611	-15 43 24.71	16.2 G	L54 – Berthelot Observatory, Hunedoara	MPC 187166
2025 08 20.83458	15 57 42.881	-15 43 12.97	16.4 G	L54 – Berthelot Observatory, Hunedoara	MPC 187166
2025 08 20.84351	15 57 41.43	-15 43 09.9	17.1 V	M04 – Pujalt Observatory, Barcelona	MPC 187166
2025 08 20.84425	15 57 41.35	-15 43 09.5	15.8 R	A77 – Observatoire Chante-Perdrix, Dauban	MPC 187166
2025 08 20.84830	15 57 40.72	-15 43 07.8	15.8 R	A77 – Observatoire Chante-Perdrix, Dauban	MPC 187166
2025 08 20.85235	15 57 40.08	-15 43 06.7	15.9 R	A77 – Observatoire Chante-Perdrix, Dauban	MPC 187166
2025 08 20.85884	15 57 39.05	-15 43 03.8	17.0 V	M04 – Pujalt Observatory, Barcelona	MPC 187166
2025 08 20.85900	15 57 39.089	-15 43 03.11	16.3 G	J47 – Observatorio Nazaret	MPC 187166
2025 08 20.85986	15 57 38.76	-15 43 03.0	16.4 G	J01 – Observatorio Cielo Profundo, Leon	MPC 187166
2025 08 20.868436	15 57 37.586	-15 42 59.65	16.11 w	R17 – ATLAS-TDO	MPC 187166
2025 08 20.869850	15 57 37.347	-15 42 59.16	16.3 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPC 187166
2025 08 20.87167	15 57 37.075	-15 42 58.86	15.9 G	J47 – Observatorio Nazaret	MPC 187166
2025 08 20.87358	15 57 36.62	-15 42 56.2	16.5 G	J01 – Observatorio Cielo Profundo, Leon	MPC 187166
2025 08 20.875723	15 57 36.402	-15 42 56.99	16.4 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPC 187166
2025 08 20.87697	15 57 36.23	-15 42 57.4	16.9 V	M04 – Pujalt Observatory, Barcelona	MPC 187166
2025 08 20.881381	15 57 35.494	-15 42 54.89	16.4 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPC 187166
2025 08 20.882585	15 57 35.342	-15 42 54.18	16.13 w	R17 – ATLAS-TDO	MPC 187166
2025 08 20.88433	15 57 35.078	-15 42 53.96	16.1 G	J47 – Observatorio Nazaret	MPC 187166
2025 08 20.896733	15 57 33.115	-15 42 48.96	16.15 w	R17 – ATLAS-TDO	MPC 187166
2025 08 20.910981	15 57 30.864	-15 42 43.34	16.18 w	R17 – ATLAS-TDO	MPC 187166
2025 08 21.085904	15 57 03.384	-15 41 33.31	18.2 G	309 – Cerro Paranal	MPC 187166
2025 08 21.087918	15 57 03.065	-15 41 32.54	18.7 G	309 – Cerro Paranal	MPC 187166

2025 08 21.089111	15 57 02.881	-15 41 32.15	18.7 G	309 – Cerro Paranal	MPC 187166
2025 08 21.19381	15 56 46.517	-15 40 55.38	15.9 G	U52 – Shasta Valley Observatory, Grenada	MPC 187166
2025 08 21.19672	15 56 46.046	-15 40 54.26	16.0 G	U52 – Shasta Valley Observatory, Grenada	MPC 187166
2025 08 21.19964	15 56 45.590	-15 40 53.22	16.0 G	U52 – Shasta Valley Observatory, Grenada	MPC 187166
2025 08 21.42108	15 56 10.94	-15 39 24.3	15.2 T	Q62 – iTelescope Observatory, Siding Spring	MPC 187166
2025 08 21.42476	15 56 10.34	-15 39 23.0	16.2 N	Q62 – iTelescope Observatory, Siding Spring	MPC 187166
2025 08 21.42968	15 56 09.56	-15 39 21.2		Q62 – iTelescope Observatory, Siding Spring	MPC 187166
2025 08 21.43090	15 56 09.37	-15 39 20.7		Q62 – iTelescope Observatory, Siding Spring	MPC 187166
2025 08 21.49355	15 55 59.43	-15 39 00.1		D95 – Kurihara	MPC 187166
2025 08 21.49677	15 55 58.96	-15 38 59.4		D95 – Kurihara	MPC 187166
2025 08 21.50321	15 55 58.00	-15 38 56.0	15.7 T	D95 – Kurihara	MPC 187166
2025 08 21.63112	15 55 38.078	-15 38 07.15	16.0 G	N42 – Tien-Shan Astronomical Observatory	MPC 187166
2025 08 21.63167	15 55 37.994	-15 38 07.01	16.1 G	N42 – Tien-Shan Astronomical Observatory	MPC 187166
2025 08 21.63330	15 55 37.740	-15 38 06.22	16.1 G	N42 – Tien-Shan Astronomical Observatory	MPC 187166
2025 08 21.72983	15 55 22.66	-15 37 29.1	16.0 G	C40 – Kuban State University Astrophysical Observato	MPC 187166
2025 08 21.74225	15 55 20.71	-15 37 24.3	16.0 G	C40 – Kuban State University Astrophysical Observato	MPC 187166
2025 08 21.75446	15 55 18.77	-15 37 19.5	16.0 G	C40 – Kuban State University Astrophysical Observato	MPC 187166
2025 08 21.79848	15 55 11.762	-15 37 05.41	15.0 G	A98 – Observatory Mazzarot-1, Baran'	MPC 187166
2025 08 21.80215	15 55 11.237	-15 36 59.40	15.0 G	A98 – Observatory Mazzarot-1, Baran'	MPC 187166
2025 08 21.80421	15 55 10.886	-15 37 00.48	14.6 G	A98 – Observatory Mazzarot-1, Baran'	MPC 187166
2025 08 21.83928	15 55 05.558	-15 36 46.69	15.7 R	C23 – Olmen	MPC 187166
2025 08 21.840504	15 55 05.37	-15 36 46.6	16.4 G	958 – Observatoire de Dax	MPC 187166
2025 08 21.84528	15 55 04.642	-15 36 44.50	15.8 R	C23 – Olmen	MPC 187166
2025 08 21.850407	15 55 03.83	-15 36 42.4	16.1 G	958 – Observatoire de Dax	MPC 187166
2025 08 21.85277	15 55 03.415	-15 36 42.26	15.4 R	C23 – Olmen	MPC 187166
2025 08 21.860135	15 55 02.27	-15 36 38.9	15.9 G	958 – Observatoire de Dax	MPC 187166
2025 08 21.86100	15 55 02.136	-15 36 38.16	15.9 R	C23 – Olmen	MPC 187166
2025 08 21.87013	15 55 00.689	-15 36 34.99	16.2 G	Z10 – PGC, Fregenal de la Sierra	MPC 187166
2025 08 21.87646	15 54 59.698	-15 36 32.51	16.1 G	Z10 – PGC, Fregenal de la Sierra	MPC 187166
2025 08 21.88361	15 54 58.582	-15 36 29.56	16.2 G	Z10 – PGC, Fregenal de la Sierra	MPC 187166
2025 08 22.12466	15 54 21.062	-15 34 56.39	15.8 G	V16 – Dark Sky New Mexico, Animas	MPC 187166
2025 08 22.12969	15 54 20.254	-15 34 53.90	15.8 G	V16 – Dark Sky New Mexico, Animas	MPC 187166
2025 08 22.13480	15 54 19.474	-15 34 52.03	15.7 G	V16 – Dark Sky New Mexico, Animas	MPC 187166
2025 08 22.13993	15 54 18.655	-15 34 49.98	15.6 G	V16 – Dark Sky New Mexico, Animas	MPC 187166
2025 08 22.59421	15 53 07.771	-15 31 49.84	15.8 V	323 – Perth Observatory, Bickley	MPC 187166
2025 08 22.60061	15 53 06.761	-15 31 47.24	15.8 V	323 – Perth Observatory, Bickley	MPC 187166
2025 08 22.60595	15 53 05.945	-15 31 45.12	15.7 V	323 – Perth Observatory, Bickley	MPC 187166
2025 08 22.73056	15 52 46.84	-15 31 01.0	15.9 G	C40 – Kuban State University Astrophysical Observato	MPC 187166
2025 08 22.74296	15 52 44.90	-15 30 56.2	16.0 G	C40 – Kuban State University Astrophysical Observato	MPC 187166
2025 08 22.75515	15 52 43.00	-15 30 51.2	15.9 G	C40 – Kuban State University Astrophysical Observato	MPC 187166
2025 08 22.78319	15 52 38.662	-15 30 40.43	15.9 V	S30 – Zenit, Hajduboszormeny	MPC 187166

2025 08 22.79794	15 52 36.355	-15 30 34.74	15.9 V	S30 – Zenit, Hajduboszormeny	MPC 187166
2025 08 22.81270	15 52 34.068	-15 30 28.87	16.1 V	S30 – Zenit, Hajduboszormeny	MPC 187166
2025 08 22.87319	15 52 24.684	-15 30 05.04	15.9 r	R49 – Observatorio Villuercas-Navezuelas, Navezuelas	MPC 187166
2025 08 22.89213	15 52 21.742	-15 29 57.55	16.0 r	R49 – Observatorio Villuercas-Navezuelas, Navezuelas	MPC 187166
2025 08 22.91160	15 52 18.696	-15 29 49.96	16.2 r	R49 – Observatorio Villuercas-Navezuelas, Navezuelas	MPC 187166
2025 08 22.923906	15 52 16.847	-15 29 42.27	16.0 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187166
2025 08 22.965933	15 52 10.283	-15 29 25.89	16.1 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187166
2025 08 23.007907	15 52 03.736	-15 29 09.39	15.7 G	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187166
2025 08 23.05991	15 51 55.74	-15 28 52.3	16.1 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 187166
2025 08 23.06202	15 51 55.41	-15 28 51.7	16.0 G	W62 – Comet Hunter Observatory2, New Ringgold	MPC 187166
2025 08 23.30344	15 51 18.127	-15 27 12.74	16.1 V	E86 – Speranza Observatory, Otaki	MPC 187166
2025 08 23.31317	15 51 16.630	-15 27 08.96	16.2 V	E86 – Speranza Observatory, Otaki	MPC 187166
2025 08 23.32256	15 51 15.163	-15 27 05.36	16.4 V	E86 – Speranza Observatory, Otaki	MPC 187166
2025 08 23.362357	15 51 09.045	-15 26 50.17	16.50 g	E55 – GOTO South	MPC 187166
2025 08 23.362973	15 51 08.924	-15 26 49.94	16.66 g	E55 – GOTO South	MPC 187166
2025 08 23.363586	15 51 08.816	-15 26 49.74	16.56 g	E55 – GOTO South	MPC 187166
2025 08 23.364200	15 51 08.746	-15 26 49.50	16.66 g	E55 – GOTO South	MPC 187166
2025 08 23.404344	15 51 02.534	-15 26 33.78	16.59 g	E55 – GOTO South	MPC 187166
2025 08 23.404951	15 51 02.458	-15 26 33.73	16.68 g	E55 – GOTO South	MPC 187166
2025 08 23.405559	15 51 02.320	-15 26 33.46	16.63 g	E55 – GOTO South	MPC 187166
2025 08 23.406172	15 51 02.266	-15 26 33.04	16.62 g	E55 – GOTO South	MPC 187167
2025 08 23.413786	15 51 01.085	-15 26 30.09	16.72 g	E55 – GOTO South	MPC 187167
2025 08 23.414400	15 51 00.963	-15 26 30.25	16.65 g	E55 – GOTO South	MPC 187167
2025 08 23.415005	15 51 00.865	-15 26 29.46	16.64 g	E55 – GOTO South	MPC 187167
2025 08 23.415619	15 51 00.784	-15 26 29.42	16.70 g	E55 – GOTO South	MPC 187167
2025 08 23.44879	15 50 55.60	-15 26 16.2	16.0 G	Q62 – iTelescope Observatory, Siding Spring	MPC 187167
2025 08 23.45125	15 50 55.21	-15 26 15.2	15.9 G	Q62 – iTelescope Observatory, Siding Spring	MPC 187167
2025 08 23.45322	15 50 54.90	-15 26 14.3	15.9 G	Q62 – iTelescope Observatory, Siding Spring	MPC 187167
2025 08 23.49986	15 50 47.54	-15 26 01.0	16.3 T	D95 – Kurihara	MPC 187167
2025 08 23.50737	15 50 46.43	-15 25 58.1		D95 – Kurihara	MPC 187167
2025 08 23.50951	15 50 46.12	-15 25 55.2		D95 – Kurihara	MPC 187167
2025 08 23.51949	15 50 44.63	-15 25 48.0	16.0 G	Q62 – iTelescope Observatory, Siding Spring	MPC 187167
2025 08 23.52341	15 50 44.03	-15 25 46.4	16.0 G	Q62 – iTelescope Observatory, Siding Spring	MPC 187167
2025 08 23.52734	15 50 43.43	-15 25 45.0	16.0 G	Q62 – iTelescope Observatory, Siding Spring	MPC 187167
2025 08 23.53127	15 50 42.81	-15 25 43.4	16.1 G	Q62 – iTelescope Observatory, Siding Spring	MPC 187167
2025 08 23.53521	15 50 42.19	-15 25 41.9	16.1 G	Q62 – iTelescope Observatory, Siding Spring	MPC 187167
2025 08 23.73534	15 50 11.45	-15 24 27.6	15.9 G	C40 – Kuban State University Astrophysical Observato	MPC 187167
2025 08 23.74778	15 50 09.48	-15 24 22.5	16.0 G	C40 – Kuban State University Astrophysical Observato	MPC 187167
2025 08 23.76003	15 50 07.54	-15 24 17.8	16.0 G	C40 – Kuban State University Astrophysical Observato	MPC 187167
2025 08 23.82159	15 49 58.133	-15 23 53.48	16.0 r	213 – Observatorio Montcabre	MPC 187167
2025 08 23.83846	15 49 55.673	-15 23 46.64	15.5 R	C23 – Olmen	MPC 187167

2025 08 23.84128	15 49 55.094	-15 23 45.49	16.1 r	232 – Masquefa Observatory	MPC 187167
2025 08 23.84279	15 49 54.854	-15 23 44.99	16.1 r	213 – Observatorio Montcabre	MPC 187167
2025 08 23.84520	15 49 54.485	-15 23 43.94	15.5 R	C23 – Olmen	MPC 187167
2025 08 23.84983	15 49 53.734	-15 23 41.86	16.1 r	232 – Masquefa Observatory	MPC 187167
2025 08 23.85175	15 49 53.68	-15 23 39.8	17.1 G	J01 – Observatorio Cielo Profundo, Leon	MPC 187167
2025 08 23.85193	15 49 53.431	-15 23 40.88	15.9 R	C23 – Olmen	MPC 187167
2025 08 23.85405	15 49 53.153	-15 23 40.20	15.9 G	J47 – Observatorio Nazaret	MPC 187167
2025 08 23.85793	15 49 52.514	-15 23 38.51	16.1 r	232 – Masquefa Observatory	MPC 187167
2025 08 23.85908	15 49 52.32	-15 23 39.6	16.2 V	Y88 – ASERO, Valdin	MPC 187167
2025 08 23.85942	15 49 52.354	-15 23 38.36	15.7 R	C23 – Olmen	MPC 187167
2025 08 23.86090	15 49 52.11	-15 23 41.2	16.1 G	J01 – Observatorio Cielo Profundo, Leon	MPC 187167
2025 08 23.86372	15 49 51.672	-15 23 36.31	15.8 G	J47 – Observatorio Nazaret	MPC 187167
2025 08 23.86400	15 49 51.576	-15 23 36.35	16.0 r	213 – Observatorio Montcabre	MPC 187167
2025 08 23.86639	15 49 51.19	-15 23 36.0	16.2 V	Y88 – ASERO, Valdin	MPC 187167
2025 08 23.87265	15 49 50.21	-15 23 33.2	16.2 V	Y88 – ASERO, Valdin	MPC 187167
2025 08 23.87321	15 49 50.189	-15 23 32.64	16.0 G	J47 – Observatorio Nazaret	MPC 187167
2025 08 23.97148	15 49 35.06	-15 22 52.4	16.7 V	X33 – OARU, Manaus	MPC 187167
2025 08 23.98459	15 49 33.02	-15 22 47.7	16.8 V	X33 – OARU, Manaus	MPC 187167
2025 08 23.99753	15 49 30.90	-15 22 42.2	15.8 V	X33 – OARU, Manaus	MPC 187167
2025 08 24.04348	15 49 23.95	-15 22 21.9	16.0 V	I47 – Pierre Auger Observatory, Malargue	MPC 187167
2025 08 24.07850	15 49 18.54	-15 22 08.1	15.5 R	I47 – Pierre Auger Observatory, Malargue	MPC 187167
2025 08 24.11104	15 49 13.52	-15 21 55.4	16.2 V	I47 – Pierre Auger Observatory, Malargue	MPC 187167
2025 08 24.42899	15 48 24.73	-15 19 49.9	14.7 T	Q62 – iTelescope Observatory, Siding Spring	MPC 187167
2025 08 24.43145	15 48 24.35	-15 19 48.9	16.1 N	Q62 – iTelescope Observatory, Siding Spring	MPC 187167
2025 08 24.43509	15 48 23.79	-15 19 47.4		Q62 – iTelescope Observatory, Siding Spring	MPC 187167
2025 08 24.43752	15 48 23.42	-15 19 46.4		Q62 – iTelescope Observatory, Siding Spring	MPC 187167
2025 08 24.788942	15 47 29.580	-15 17 27.75	16.3 G	M21 – Schiaparelli Southern Observatory, Hakos	MPEC X127
2025 08 24.79738	15 47 28.36	-15 17 27.8	16.3 G	A71 – Stixendorf	MPC 187167
2025 08 24.79991	15 47 27.94	-15 17 26.9	16.0 G	A71 – Stixendorf	MPC 187167
2025 08 24.80237	15 47 27.58	-15 17 25.6	15.9 G	A71 – Stixendorf	MPC 187167
2025 08 24.809471	15 47 26.408	-15 17 19.58	16.3 G	M21 – Schiaparelli Southern Observatory, Hakos	MPEC X127
2025 08 24.830141	15 47 23.30	-15 17 15.1	16.1 G	958 – Observatoire de Dax	MPC 187167
2025 08 24.83632	15 47 22.361	-15 17 12.55	15.2 R	C23 – Olmen	MPC 187167
2025 08 24.839967	15 47 21.81	-15 17 11.2	15.6 G	958 – Observatoire de Dax	MPC 187167
2025 08 24.84081	15 47 21.696	-15 17 11.33	15.3 R	C23 – Olmen	MPC 187167
2025 08 24.84530	15 47 20.969	-15 17 10.03	15.9 R	C23 – Olmen	MPC 187167
2025 08 24.84859	15 47 20.47	-15 17 07.2	15.9 N	J96 – Observatorio de Cantabria	MPC 187167
2025 08 24.84962	15 47 20.330	-15 17 06.50	16.0 G	J47 – Observatorio Nazaret	MPC 187167
2025 08 24.850214	15 47 20.19	-15 17 06.5	15.5 G	958 – Observatoire de Dax	MPC 187167
2025 08 24.85128	15 47 20.064	-15 17 07.62	15.6 R	C23 – Olmen	MPC 187167
2025 08 24.85372	15 47 19.714	-15 17 04.92	15.8 r	J51 – Observatorio Atlante, Tenerife	MPC 187167

2025 08 24.86120	15 47 18.554	-15 17 01.90	16.1 G	J47 – Observatorio Nazaret	MPC 187167
2025 08 24.86156	15 47 18.47	-15 17 02.0	15.9 N	J96 – Observatorio de Cantabria	MPC 187167
2025 08 24.86218	15 47 18.415	-15 17 01.57	15.7 r	J51 – Observatorio Atlante, Tenerife	MPC 187167
2025 08 24.87030	15 47 17.167	-15 16 57.83	15.9 r	J51 – Observatorio Atlante, Tenerife	MPC 187167
2025 08 24.87083	15 47 17.04	-15 16 58.6	15.9 N	J96 – Observatorio de Cantabria	MPC 187167
2025 08 24.87284	15 47 16.757	-15 16 57.14	16.1 G	J47 – Observatorio Nazaret	MPC 187167
2025 08 24.97322	15 47 01.40	-15 16 15.3	16.3 G	X76 – SUN Observatory, Redencao	MPC 187167
2025 08 24.98722	15 46 59.26	-15 16 09.9	16.5 G	X76 – SUN Observatory, Redencao	MPC 187167
2025 08 25.24431	15 46 20.047	-15 14 28.97	17.2 V	F65 – Haleakala-Faulkes Telescope North	MPC 187167
2025 08 25.24604	15 46 19.795	-15 14 28.39	17.2 V	F65 – Haleakala-Faulkes Telescope North	MPC 187167
2025 08 25.24721	15 46 19.603	-15 14 27.89	17.2 V	F65 – Haleakala-Faulkes Telescope North	MPC 187167
2025 08 25.35665	15 46 02.98	-15 13 41.2	16.5 V	Q73 – Buckthorn, Thornton	MPC 187167
2025 08 25.36025	15 46 02.42	-15 13 39.8	16.6 V	Q73 – Buckthorn, Thornton	MPC 187167
2025 08 25.36384	15 46 01.87	-15 13 38.4	16.5 V	Q73 – Buckthorn, Thornton	MPC 187167
2025 08 25.36884	15 46 01.11	-15 13 36.3	16.5 V	Q73 – Buckthorn, Thornton	MPC 187167
2025 08 25.37243	15 46 00.56	-15 13 34.9	16.5 V	Q73 – Buckthorn, Thornton	MPC 187167
2025 08 25.37602	15 46 00.00	-15 13 33.5	16.6 V	Q73 – Buckthorn, Thornton	MPC 187167
2025 08 25.72127	15 45 07.46	-15 11 19.5	15.9 G	C40 – Kuban State University Astrophysical Observato	MPC 187167
2025 08 25.73371	15 45 05.57	-15 11 14.2	15.9 G	C40 – Kuban State University Astrophysical Observato	MPC 187167
2025 08 25.738222	15 45 04.892	-15 11 09.57	16.1 V	M49 – IAS Remote Observatory, Hakos	MPC 187167
2025 08 25.741772	15 45 04.359	-15 11 08.10	16.1 V	M49 – IAS Remote Observatory, Hakos	MPC 187167
2025 08 25.745321	15 45 03.809	-15 11 06.94	16.1 V	M49 – IAS Remote Observatory, Hakos	MPC 187167
2025 08 25.74595	15 45 03.70	-15 11 09.6	15.7 G	C40 – Kuban State University Astrophysical Observato	MPC 187167
2025 08 25.75964	15 45 01.603	-15 11 03.80	16.5 V	L54 – Berthelot Observatory, Hunedoara	MPC 187167
2025 08 25.79000	15 44 57.02	-15 10 52.4	16.4 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 187167
2025 08 25.79365	15 44 56.426	-15 10 50.88	16.4 V	L54 – Berthelot Observatory, Hunedoara	MPC 187167
2025 08 25.79653	15 44 56.02	-15 10 49.6	15.8 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 187167
2025 08 25.80308	15 44 55.01	-15 10 47.1	15.9 G	G02 – KYSUCE Observatory, Kysucke Nove Mesto	MPC 187167
2025 08 25.809628	15 44 54.03	-15 10 44.1	16.5 R	215 – Buchloe	MPC 187167
2025 08 25.810927	15 44 53.84	-15 10 43.6	16.6 R	215 – Buchloe	MPC 187167
2025 08 25.812225	15 44 53.68	-15 10 43.5	16.6 R	215 – Buchloe	MPC 187167
2025 08 25.81903	15 44 52.565	-15 10 39.83	15.4 G	B96 – Brixiis Observatory, Kruibeke	MPC 187167
2025 08 25.82730	15 44 51.329	-15 10 37.13	16.4 V	L54 – Berthelot Observatory, Hunedoara	MPC 187167
2025 08 25.82733	15 44 51.353	-15 10 37.06	15.4 G	B96 – Brixiis Observatory, Kruibeke	MPC 187167
2025 08 25.83104	15 44 50.753	-15 10 36.73	15.4 G	B67 – Sternwarte Mirasteilas, Falera	MPC 187167
2025 08 25.83185	15 44 50.681	-15 10 35.83	15.4 R	C23 – Olmen	MPC 187167
2025 08 25.83392	15 44 50.362	-15 10 34.10	15.1 G	B96 – Brixiis Observatory, Kruibeke	MPC 187167
2025 08 25.83859	15 44 49.601	-15 10 33.13	15.8 G	B67 – Sternwarte Mirasteilas, Falera	MPC 187167
2025 08 25.83870	15 44 49.632	-15 10 32.20	15.1 R	C23 – Olmen	MPC 187167
2025 08 25.84469	15 44 48.720	-15 10 29.64	15.7 R	C23 – Olmen	MPC 187167
2025 08 25.84612	15 44 48.425	-15 10 30.40	16.0 G	B67 – Sternwarte Mirasteilas, Falera	MPC 187167

2025 08 25.85142	15 44 47.681	-15 10 28.31	15.5 R	C23 – Olmen	MPC 187167
2025 08 25.85578	15 44 47.01	-15 10 26.2	16.2 V	Y88 – ASERO, Valdin	MPC 187167
2025 08 25.86100	15 44 46.19	-15 10 23.6	16.2 V	Y88 – ASERO, Valdin	MPC 187167
2025 08 25.86517	15 44 45.62	-15 10 21.9	16.4 V	Y88 – ASERO, Valdin	MPC 187167
2025 08 25.923855	15 44 36.687	-15 09 55.27	16.9 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187167
2025 08 25.953590	15 44 32.143	-15 09 43.34	16.8 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187168
2025 08 25.982907	15 44 27.667	-15 09 31.55	16.1 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187168
2025 08 26.45073	15 43 16.88	-15 06 26.7		D88 – Hiratsuka	MPC 187168
2025 08 26.45351	15 43 16.46	-15 06 25.9		D88 – Hiratsuka	MPC 187168
2025 08 26.45630	15 43 16.02	-15 06 25.1	15.3 T	D88 – Hiratsuka	MPC 187168
2025 08 26.55597	15 43 00.948	-15 05 42.25	16.1 V	299 – Bosscha Observatory, Lembang	MPC 187168
2025 08 26.57192	15 42 58.531	-15 05 35.88	15.7 V	299 – Bosscha Observatory, Lembang	MPC 187168
2025 08 26.58913	15 42 55.891	-15 05 28.64	16.1 V	299 – Bosscha Observatory, Lembang	MPC 187168
2025 08 26.72966	15 42 34.79	-15 04 34.9	15.9 G	C40 – Kuban State University Astrophysical Observato	MPC 187168
2025 08 26.74210	15 42 32.91	-15 04 29.7	15.9 G	C40 – Kuban State University Astrophysical Observato	MPC 187168
2025 08 26.75435	15 42 31.03	-15 04 24.8	15.9 G	C40 – Kuban State University Astrophysical Observato	MPC 187168
2025 08 26.76179	15 42 29.930	-15 04 22.04	16.6 G	L54 – Berthelot Observatory, Hunedoara	MPC 187168
2025 08 26.79122	15 42 25.488	-15 04 10.13	16.5 G	L54 – Berthelot Observatory, Hunedoara	MPC 187168
2025 08 26.79580	15 42 24.828	-15 04 07.46	15.4 G	160 – Castelmartini	MPC 187168
2025 08 26.79921	15 42 24.290	-15 04 06.31	15.5 G	160 – Castelmartini	MPC 187168
2025 08 26.80220	15 42 23.813	-15 04 05.20	15.8 G	160 – Castelmartini	MPC 187168
2025 08 26.82970	15 42 19.606	-15 03 54.79	16.3 G	L54 – Berthelot Observatory, Hunedoara	MPC 187168
2025 08 27.044249	15 41 47.357	-15 02 24.18	15.43 o	W68 – ATLAS Chile, Rio Hurtado	MPC 187168
2025 08 27.060842	15 41 44.851	-15 02 17.45	15.49 o	W68 – ATLAS Chile, Rio Hurtado	MPC 187168
2025 08 27.069137	15 41 43.598	-15 02 14.03	15.40 o	W68 – ATLAS Chile, Rio Hurtado	MPC 187168
2025 08 27.23470	15 41 18.766	-15 01 10.16	17.2 V	F65 – Haleakala-Faulkes Telescope North	MPC 187168
2025 08 27.23644	15 41 18.502	-15 01 09.48	17.1 V	F65 – Haleakala-Faulkes Telescope North	MPC 187168
2025 08 27.23759	15 41 18.322	-15 01 08.98	17.0 V	F65 – Haleakala-Faulkes Telescope North	MPC 187168
2025 08 27.78714	15 39 55.87	-14 57 25.9	16.2 G	C73 – Galati Observatory	MPC 187168
2025 08 27.78933	15 39 55.61	-14 57 26.3	16.1 G	C73 – Galati Observatory	MPC 187168
2025 08 27.79152	15 39 55.29	-14 57 27.0	16.0 G	C73 – Galati Observatory	MPC 187168
2025 08 27.799530	15 39 54.066	-14 57 23.08	15.57 G	L92 – San Costantino	MPC 187168
2025 08 27.802483	15 39 53.660	-14 57 21.56	15.52 G	L92 – San Costantino	MPC 187168
2025 08 27.808390	15 39 52.821	-14 57 18.36	15.50 G	L92 – San Costantino	MPC 187168
2025 08 27.853377	15 39 46.052	-14 57 00.05		J13 – La Palma-Liverpool Telescope	MPC 187168
2025 08 27.855704	15 39 45.700	-14 56 59.12		J13 – La Palma-Liverpool Telescope	MPC 187168
2025 08 27.858031	15 39 45.344	-14 56 58.14	16.9 r	J13 – La Palma-Liverpool Telescope	MPC 187168
2025 08 28.71432	15 37 37.78	-14 51 10.5	15.8 G	C40 – Kuban State University Astrophysical Observato	MPC 187168
2025 08 28.72675	15 37 35.92	-14 51 04.8	15.8 G	C40 – Kuban State University Astrophysical Observato	MPC 187168
2025 08 28.73900	15 37 34.04	-14 50 59.3	15.8 G	C40 – Kuban State University Astrophysical Observato	MPC 187168
2025 08 28.76477	15 37 30.278	-14 50 49.63	16.3 G	L54 – Berthelot Observatory, Hunedoara	MPC 187168

2025 08 28.76932	15 37 29.58	-14 50 44.3	15.9 G	194 – Tivoli	MPC 187168
2025 08 28.77578	15 37 28.60	-14 50 41.7	16.0 G	194 – Tivoli	MPC 187168
2025 08 28.78158	15 37 27.74	-14 50 39.3	16.0 G	194 – Tivoli	MPC 187168
2025 08 28.78676	15 37 26.96	-14 50 37.1	16.2 G	194 – Tivoli	MPC 187168
2025 08 28.78816	15 37 26.755	-14 50 39.98	16.4 G	L54 – Berthelot Observatory, Hunedoara	MPC 187168
2025 08 28.81381	15 37 22.910	-14 50 28.82	16.3 G	L54 – Berthelot Observatory, Hunedoara	MPC 187168
2025 08 28.83955	15 37 19.169	-14 50 19.03	15.2 R	C23 – Olmen	MPC 187168
2025 08 28.84179	15 37 18.842	-14 50 18.92	15.4 R	C23 – Olmen	MPC 187168
2025 08 28.84554	15 37 18.197	-14 50 16.08	14.6 R	C23 – Olmen	MPC 187168
2025 08 28.85262	15 37 17.280	-14 50 12.23	14.9 R	C23 – Olmen	MPC 187168
2025 08 28.85439	15 37 16.930	-14 50 13.38	14.8 R	C23 – Olmen	MPC 187168
2025 08 28.86933	15 37 14.72	-14 50 06.5	15.4 R	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 187168
2025 08 28.87423	15 37 13.99	-14 50 04.5	15.4 R	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 187168
2025 08 28.87913	15 37 13.26	-14 50 02.5	15.5 R	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 187168
2025 08 29.249233	15 36 18.499	-14 47 30.84	15.40 o	T05 – ATLAS-HKO, Haleakala	MPC 187168
2025 08 29.251959	15 36 18.070	-14 47 29.69	15.45 o	T05 – ATLAS-HKO, Haleakala	MPC 187168
2025 08 29.259327	15 36 16.992	-14 47 26.63	15.35 o	T05 – ATLAS-HKO, Haleakala	MPC 187168
2025 08 29.268993	15 36 15.535	-14 47 22.52	15.48 o	T05 – ATLAS-HKO, Haleakala	MPC 187168
2025 08 29.35877	15 36 02.34	-14 46 42.8	16.3 V	Q73 – Buckthorn, Thornton	MPC 187168
2025 08 29.36247	15 36 01.78	-14 46 41.2	16.3 V	Q73 – Buckthorn, Thornton	MPC 187168
2025 08 29.36634	15 36 01.21	-14 46 39.6	16.4 V	Q73 – Buckthorn, Thornton	MPC 187168
2025 08 29.47078	15 35 45.780	-14 46 00.52	16.4 V	Q14 – Goto Astronomical Observatory in Yatsugatake	MPC 187168
2025 08 29.48431	15 35 43.704	-14 45 54.97	16.2 V	Q14 – Goto Astronomical Observatory in Yatsugatake	MPC 187168
2025 08 29.718829	15 35 09.211	-14 44 15.29	15.91 o	M22 – ATLAS South Africa, Sutherland	MPC 187168
2025 08 29.721534	15 35 08.825	-14 44 14.32	15.36 o	M22 – ATLAS South Africa, Sutherland	MPC 187168
2025 08 29.72420	15 35 08.30	-14 44 16.3	15.7 G	C40 – Kuban State University Astrophysical Observato	MPC 187168
2025 08 29.729666	15 35 07.618	-14 44 11.04	15.36 o	M22 – ATLAS South Africa, Sutherland	MPC 187168
2025 08 29.73664	15 35 06.53	-14 44 11.8	15.7 G	C40 – Kuban State University Astrophysical Observato	MPC 187168
2025 08 29.74890	15 35 04.78	-14 44 07.5	15.7 G	C40 – Kuban State University Astrophysical Observato	MPC 187168
2025 08 29.750918	15 35 04.471	-14 44 02.22	15.40 o	M22 – ATLAS South Africa, Sutherland	MPC 187168
2025 08 29.77076	15 35 01.538	-14 43 57.65	16.5 G	L54 – Berthelot Observatory, Hunedoara	MPC 187168
2025 08 29.79189	15 34 58.390	-14 43 49.80	16.6 G	L54 – Berthelot Observatory, Hunedoara	MPC 187168
2025 08 29.81300	15 34 55.310	-14 43 40.37	16.5 G	L54 – Berthelot Observatory, Hunedoara	MPC 187168
2025 08 29.82473	15 34 53.578	-14 43 35.72	15.9 r	232 – Masquefa Observatory	MPC 187168
2025 08 29.83117	15 34 52.678	-14 43 32.99	15.5 r	I75 – Observatorio Los Caracoles, Castello	MPC 187168
2025 08 29.83176	15 34 52.543	-14 43 32.81	15.8 r	232 – Masquefa Observatory	MPC 187168
2025 08 29.83508	15 34 52.039	-14 43 31.55	16.0 r	I75 – Observatorio Los Caracoles, Castello	MPC 187168
2025 08 29.83828	15 34 51.547	-14 43 29.53	15.5 r	I75 – Observatorio Los Caracoles, Castello	MPC 187168
2025 08 29.83830	15 34 51.552	-14 43 30.00	15.4 r	232 – Masquefa Observatory	MPC 187168
2025 08 29.86612	15 34 47.443	-14 43 18.80	15.9 G	Z10 – PGC, Fregenal de la Sierra	MPC 187168
2025 08 29.87253	15 34 46.538	-14 43 15.60	15.8 G	R49 – Observatorio Villuercas-Navezuelas, Navezuelas	MPC 187168

2025 08 29.87558	15 34 46.087	-14 43 14.81	15.8 G	Z10 – PGC, Fregenal de la Sierra	MPC 187168
2025 08 29.88520	15 34 44.666	-14 43 10.38	15.7 G	R49 – Observatorio Villuercas-Navezuelas, Navezuelas	MPC 187168
2025 08 29.88586	15 34 44.563	-14 43 10.56	16.1 G	Z10 – PGC, Fregenal de la Sierra	MPC 187168
2025 08 29.89799	15 34 42.763	-14 43 05.41	15.7 G	R49 – Observatorio Villuercas-Navezuelas, Navezuelas	MPC 187168
2025 08 30.44331	15 33 22.72	-14 39 20.6	15.0 T	D95 – Kurihara	MPC 187168
2025 08 30.44975	15 33 21.79	-14 39 17.8		D95 – Kurihara	MPC 187168
2025 08 30.45404	15 33 21.18	-14 39 16.5		D95 – Kurihara	MPC 187168
2025 08 30.75661	15 32 36.79	-14 37 11.5	15.8 G	C40 – Kuban State University Astrophysical Observato	MPC 187168
2025 08 30.76294	15 32 35.96	-14 37 10.0	15.8 G	C40 – Kuban State University Astrophysical Observato	MPC 187168
2025 08 30.76926	15 32 34.95	-14 37 07.4	15.8 G	C40 – Kuban State University Astrophysical Observato	MPC 187168
2025 08 30.81351	15 32 28.65	-14 36 48.7	15.1 R	A77 – Observatoire Chante-Perdrix, Dauban	MPC 187168
2025 08 30.81629	15 32 28.24	-14 36 48.0	15.1 R	A77 – Observatoire Chante-Perdrix, Dauban	MPC 187168
2025 08 30.81907	15 32 27.82	-14 36 46.1	15.0 R	A77 – Observatoire Chante-Perdrix, Dauban	MPC 187168
2025 08 30.83065	15 32 26.16	-14 36 41.8	15.6 N	J96 – Observatorio de Cantabria	MPC 187168
2025 08 30.84836	15 32 23.58	-14 36 34.4	15.7 N	J96 – Observatorio de Cantabria	MPC 187168
2025 08 30.86221	15 32 21.55	-14 36 28.3	15.6 N	J96 – Observatorio de Cantabria	MPC 187168
2025 08 30.93932	15 32 10.298	-14 35 54.24	16.3 G	X76 – SUN Observatory, Redencao	MPC 187168
2025 08 30.94560	15 32 09.367	-14 35 51.61	16.3 G	X76 – SUN Observatory, Redencao	MPC 187168
2025 08 30.95296	15 32 08.278	-14 35 48.52	16.3 G	X76 – SUN Observatory, Redencao	MPC 187168
2025 08 31.37991	15 31 06.17	-14 32 50.8	16.4 V	Q73 – Buckthorn, Thornton	MPC 187168
2025 08 31.38363	15 31 05.62	-14 32 49.1	16.4 V	Q73 – Buckthorn, Thornton	MPC 187168
2025 08 31.38738	15 31 05.08	-14 32 47.6	16.4 V	Q73 – Buckthorn, Thornton	MPC 187168
2025 08 31.490463	15 30 50.014	-14 32 08.27	16.7 G	900 – Moriyama	MPC 187168
2025 08 31.497537	15 30 48.998	-14 32 04.56	16.8 G	900 – Moriyama	MPC 187168
2025 08 31.725968	15 30 15.977	-14 30 27.61	15.30 o	M22 – ATLAS South Africa, Sutherland	MPC 187168
2025 08 31.729590	15 30 15.446	-14 30 26.10	15.27 o	M22 – ATLAS South Africa, Sutherland	MPC 187168
2025 08 31.735453	15 30 14.599	-14 30 23.83	15.28 o	M22 – ATLAS South Africa, Sutherland	MPC 187168
2025 08 31.757674	15 30 11.354	-14 30 14.40	15.27 o	M22 – ATLAS South Africa, Sutherland	MPC 187168
2025 08 31.78250	15 30 07.786	-14 30 07.99	15.3 G	160 – Castelmartini	MPC 187168
2025 08 31.787605	15 30 07.020	-14 30 05.18	15.68 G	L92 – San Costantino	MPC 187169
2025 08 31.78763	15 30 07.022	-14 30 06.23	15.4 G	160 – Castelmartini	MPC 187169
2025 08 31.789377	15 30 06.778	-14 30 05.66	15.68 G	L92 – San Costantino	MPC 187169
2025 08 31.791149	15 30 06.514	-14 30 04.78	15.67 G	L92 – San Costantino	MPC 187169
2025 08 31.79124	15 30 06.52	-14 30 04.4	15.7 G	G00 – AZM Martinsberg, Oed	MPC 187169
2025 08 31.79305	15 30 06.23	-14 30 04.1	15.6 G	G00 – AZM Martinsberg, Oed	MPC 187169
2025 08 31.79317	15 30 06.182	-14 30 03.64	15.3 G	160 – Castelmartini	MPC 187169
2025 08 31.79486	15 30 05.96	-14 30 03.0	15.6 G	G00 – AZM Martinsberg, Oed	MPC 187169
2025 08 31.79667	15 30 05.71	-14 30 01.9	15.5 G	G00 – AZM Martinsberg, Oed	MPC 187169
2025 08 31.79681	15 30 05.719	-14 30 03.02	15.6 G	B67 – Sternwarte Mirasteilas, Falera	MPC 187169
2025 08 31.79847	15 30 05.47	-14 30 01.3	15.6 G	G00 – AZM Martinsberg, Oed	MPC 187169
2025 08 31.79896	15 30 05.364	-14 30 01.87	15.6 G	B67 – Sternwarte Mirasteilas, Falera	MPC 187169

2025 08 31.80111	15 30 05.050	-14 30 00.61	15.6 G	B67 – Sternwarte Mirasteilas, Falera	MPC 187169
2025 08 31.81508	15 30 03.132	-14 29 54.49	15.7 G	B67 – Sternwarte Mirasteilas, Falera	MPC 187169
2025 08 31.82009	15 30 02.299	-14 29 52.08	15.7 G	B67 – Sternwarte Mirasteilas, Falera	MPC 187169
2025 08 31.82512	15 30 01.591	-14 29 49.96	14.9 G	B67 – Sternwarte Mirasteilas, Falera	MPC 187169
2025 08 31.85028	15 29 57.943	-14 29 39.41	15.8 G	J47 – Observatorio Nazaret	MPC 187169
2025 08 31.85728	15 29 56.918	-14 29 36.60	15.6 G	J47 – Observatorio Nazaret	MPC 187169
2025 08 31.86411	15 29 55.970	-14 29 34.01	15.7 G	J47 – Observatorio Nazaret	MPC 187169
2025 09 01.42640	15 28 34.78	-14 25 40.6	15.3 T	349 – Ageo	MPC 187169
2025 09 01.43388	15 28 33.69	-14 25 37.4		349 – Ageo	MPC 187169
2025 09 01.44161	15 28 32.59	-14 25 34.3		349 – Ageo	MPC 187169
2025 09 01.51431	15 28 21.79	-14 25 01.1	14.4 G	G26 – Fushan Observatory, Mt Shaohua	MPC 187169
2025 09 01.54110	15 28 18.17	-14 24 48.0	14.7 G	G26 – Fushan Observatory, Mt Shaohua	MPC 187169
2025 09 01.54959	15 28 16.788	-14 24 44.78	15.7 V	323 – Perth Observatory, Bickley	MPC 187169
2025 09 01.55385	15 28 16.207	-14 24 43.31	15.5 V	323 – Perth Observatory, Bickley	MPC 187169
2025 09 01.55811	15 28 15.581	-14 24 41.62	15.1 V	323 – Perth Observatory, Bickley	MPC 187169
2025 09 01.73330	15 27 50.62	-14 23 32.0	15.8 G	C40 – Kuban State University Astrophysical Observato	MPC 187169
2025 09 01.74259	15 27 49.20	-14 23 29.4	15.8 G	C40 – Kuban State University Astrophysical Observato	MPC 187169
2025 09 01.75187	15 27 47.79	-14 23 25.5	15.8 G	C40 – Kuban State University Astrophysical Observato	MPC 187169
2025 09 01.76481	15 27 46.073	-14 23 19.75	16.1 G	L54 – Berthelot Observatory, Hunedoara	MPC 187169
2025 09 01.776387	15 27 44.410	-14 23 11.18	15.21 o	M22 – ATLAS South Africa, Sutherland	MPC 187169
2025 09 01.780066	15 27 43.872	-14 23 09.71	15.22 o	M22 – ATLAS South Africa, Sutherland	MPC 187169
2025 09 01.785194	15 27 43.128	-14 23 10.76	15.48 G	L92 – San Costantino	MPC 187169
2025 09 01.78596	15 27 43.042	-14 23 11.29	16.1 G	L54 – Berthelot Observatory, Hunedoara	MPC 187169
2025 09 01.786842	15 27 42.902	-14 23 06.68	15.16 o	M22 – ATLAS South Africa, Sutherland	MPC 187169
2025 09 01.788740	15 27 42.657	-14 23 09.81	15.68 G	L92 – San Costantino	MPC 187169
2025 09 01.792287	15 27 42.112	-14 23 08.02	15.69 G	L92 – San Costantino	MPC 187169
2025 09 01.795826	15 27 41.607	-14 23 07.00	15.59 G	L92 – San Costantino	MPC 187169
2025 09 01.799367	15 27 41.158	-14 23 05.94	15.43 G	L92 – San Costantino	MPC 187169
2025 09 01.802234	15 27 40.680	-14 23 00.38	15.15 o	M22 – ATLAS South Africa, Sutherland	MPC 187169
2025 09 01.802907	15 27 40.554	-14 23 03.40	15.81 G	L92 – San Costantino	MPC 187169
2025 09 01.81237	15 27 39.317	-14 23 00.13	16.1 G	L54 – Berthelot Observatory, Hunedoara	MPC 187169
2025 09 01.81747	15 27 38.49	-14 22 58.0	15.2 R	A77 – Observatoire Chante-Perdrix, Dauban	MPC 187169
2025 09 01.81979	15 27 38.15	-14 22 57.2	15.3 R	A77 – Observatoire Chante-Perdrix, Dauban	MPC 187169
2025 09 01.82188	15 27 37.88	-14 22 56.1	15.2 R	A77 – Observatoire Chante-Perdrix, Dauban	MPC 187169
2025 09 02.37513	15 26 18.648	-14 19 01.38	15.7 V	E86 – Speranza Observatory, Otaki	MPC 187169
2025 09 02.388935	15 26 16.678	-14 18 55.87	17.0 r	E10 – Siding Spring-Faulkes Telescope South	MPEC X35
2025 09 02.391146	15 26 16.361	-14 18 54.97	16.9 r	E10 – Siding Spring-Faulkes Telescope South	MPEC X35
2025 09 02.392789	15 26 16.118	-14 18 54.25	17.0 r	E10 – Siding Spring-Faulkes Telescope South	MPEC X35
2025 09 02.39417	15 26 15.929	-14 18 53.35	15.6 V	E86 – Speranza Observatory, Otaki	MPC 187169
2025 09 02.41093	15 26 13.529	-14 18 46.26	15.7 V	E86 – Speranza Observatory, Otaki	MPC 187169
2025 09 02.54669	15 25 54.098	-14 17 51.32	15.8 V	299 – Bosscha Observatory, Lembang	MPC 187169

2025 09 02.56838	15 25 50.986	-14 17 42.18	15.8 V	299 – Bosscha Observatory, Lembang	MPC 187169
2025 09 02.59346	15 25 47.364	-14 17 31.67	15.6 V	299 – Bosscha Observatory, Lembang	MPC 187169
2025 09 02.71925	15 25 29.57	-14 16 38.0	15.6 G	L09 – Sutherland-LCO Aqawan A #1	MPC 187169
2025 09 02.72136	15 25 29.28	-14 16 37.3	15.6 G	L09 – Sutherland-LCO Aqawan A #1	MPC 187169
2025 09 02.72348	15 25 28.98	-14 16 36.9	15.5 G	L09 – Sutherland-LCO Aqawan A #1	MPC 187169
2025 09 02.75542	15 25 24.408	-14 16 26.40	15.9 G	L54 – Berthelot Observatory, Hunedoara	MPC 187169
2025 09 02.77285	15 25 21.914	-14 16 19.45	16.1 G	L54 – Berthelot Observatory, Hunedoara	MPC 187169
2025 09 02.79021	15 25 19.428	-14 16 12.47	16.1 G	L54 – Berthelot Observatory, Hunedoara	MPC 187169
2025 09 03.262592	15 24 12.293	-14 12 53.50	15.82 o	T05 – ATLAS-HKO, Haleakala	MPC 187169
2025 09 03.265360	15 24 11.906	-14 12 52.42	15.77 o	T05 – ATLAS-HKO, Haleakala	MPC 187169
2025 09 03.272664	15 24 10.862	-14 12 49.54	15.11 o	T05 – ATLAS-HKO, Haleakala	MPC 187169
2025 09 03.288213	15 24 08.650	-14 12 42.88	15.70 o	T05 – ATLAS-HKO, Haleakala	MPC 187169
2025 09 03.40559	15 23 52.05	-14 11 50.6	16.2 V	Q73 – Buckthorn, Thornton	MPC 187169
2025 09 03.40927	15 23 51.53	-14 11 49.1	16.2 V	Q73 – Buckthorn, Thornton	MPC 187169
2025 09 03.41304	15 23 50.99	-14 11 47.5	16.3 V	Q73 – Buckthorn, Thornton	MPC 187169
2025 09 03.53521	15 23 33.550	-14 10 56.28	15.4 V	323 – Perth Observatory, Bickley	MPC 187169
2025 09 03.53947	15 23 32.942	-14 10 54.41	15.3 V	323 – Perth Observatory, Bickley	MPC 187169
2025 09 03.54372	15 23 32.347	-14 10 52.54	15.2 V	323 – Perth Observatory, Bickley	MPC 187169
2025 09 03.79632	15 22 56.806	-14 09 10.87	15.2 G	160 – Castelmartini	MPC 187169
2025 09 03.79995	15 22 56.290	-14 09 09.50	15.2 G	160 – Castelmartini	MPC 187169
2025 09 03.80372	15 22 55.757	-14 09 08.10	15.2 G	160 – Castelmartini	MPC 187169
2025 09 03.80852	15 22 55.118	-14 09 05.90	15.6 r	213 – Observatorio Montcabre	MPC 187169
2025 09 03.81232	15 22 54.53	-14 09 03.9	15.5 G	Z57 – Observatorio Zuben, Alhaurin de la Torre	MPC 187169
2025 09 03.81457	15 22 54.25	-14 09 03.1	15.4 G	Z57 – Observatorio Zuben, Alhaurin de la Torre	MPC 187169
2025 09 03.81683	15 22 53.95	-14 09 02.6	15.3 G	Z57 – Observatorio Zuben, Alhaurin de la Torre	MPC 187169
2025 09 03.81909	15 22 53.62	-14 09 01.3	15.4 G	Z57 – Observatorio Zuben, Alhaurin de la Torre	MPC 187169
2025 09 03.81988	15 22 53.506	-14 09 01.26	15.6 r	213 – Observatorio Montcabre	MPC 187169
2025 09 03.82135	15 22 53.27	-14 09 00.4	15.4 G	Z57 – Observatorio Zuben, Alhaurin de la Torre	MPC 187169
2025 09 03.82586	15 22 52.625	-14 08 58.38	15.6 r	232 – Masquefa Observatory	MPC 187169
2025 09 03.83122	15 22 51.881	-14 08 56.11	15.6 r	213 – Observatorio Montcabre	MPC 187169
2025 09 03.83750	15 22 50.983	-14 08 53.16	15.6 r	232 – Masquefa Observatory	MPC 187169
2025 09 03.84462	15 22 50.011	-14 08 50.10	15.7 G	J47 – Observatorio Nazaret	MPC 187169
2025 09 03.85653	15 22 48.329	-14 08 45.38	15.7 G	J47 – Observatorio Nazaret	MPC 187169
2025 09 03.858837	15 22 47.998	-14 08 44.28		J13 – La Palma-Liverpool Telescope	MPC 187169
2025 09 03.859746	15 22 47.865	-14 08 43.76		J13 – La Palma-Liverpool Telescope	MPC 187169
2025 09 03.860248	15 22 47.787	-14 08 43.66		J13 – La Palma-Liverpool Telescope	MPC 187169
2025 09 03.860749	15 22 47.720	-14 08 43.44	16.4 r	J13 – La Palma-Liverpool Telescope	MPC 187169
2025 09 03.861658	15 22 47.591	-14 08 43.13	16.6 r	J13 – La Palma-Liverpool Telescope	MPC 187169
2025 09 03.86824	15 22 46.675	-14 08 40.27	15.8 G	J47 – Observatorio Nazaret	MPC 187169
2025 09 04.249673	15 21 52.922	-14 05 59.78	15.09 o	T05 – ATLAS-HKO, Haleakala	MPC 187169
2025 09 04.255212	15 21 52.138	-14 05 57.66	15.20 o	T05 – ATLAS-HKO, Haleakala	MPC 187169

2025 09 04.264460	15 21 50.832	-14 05 53.52	15.69 o	T05 – ATLAS-HKO, Haleakala	MPC 187169
2025 09 04.264912	15 21 50.755	-14 05 53.34	15.09 o	T05 – ATLAS-HKO, Haleakala	MPC 187169
2025 09 04.268577	15 21 50.249	-14 05 51.86	15.18 o	T05 – ATLAS-HKO, Haleakala	MPC 187169
2025 09 04.269494	15 21 50.131	-14 05 51.40	15.12 o	T05 – ATLAS-HKO, Haleakala	MPC 187169
2025 09 04.273606	15 21 49.543	-14 05 49.63	15.70 o	T05 – ATLAS-HKO, Haleakala	MPC 187169
2025 09 04.283240	15 21 48.194	-14 05 45.53	15.12 o	T05 – ATLAS-HKO, Haleakala	MPC 187169
2025 09 04.38482	15 21 33.94	-14 04 59.8	16.3 V	Q73 – Buckthorn, Thornton	MPC 187169
2025 09 04.390072	15 21 33.334	-14 04 58.48	16.29 g	E55 – GOTO South	MPC 187169
2025 09 04.391199	15 21 33.111	-14 04 57.66	16.15 g	E55 – GOTO South	MPC 187169
2025 09 04.392337	15 21 32.936	-14 04 57.22	16.14 g	E55 – GOTO South	MPC 187169
2025 09 04.39244	15 21 32.86	-14 04 56.6	16.3 V	Q73 – Buckthorn, Thornton	MPC 187169
2025 09 04.393475	15 21 32.787	-14 04 56.73	16.19 g	E55 – GOTO South	MPC 187169
2025 09 04.395792	15 21 32.441	-14 04 55.62	16.03 g	E55 – GOTO South	MPC 187169
2025 09 04.396396	15 21 32.387	-14 04 55.56	16.10 g	E55 – GOTO South	MPC 187169
2025 09 04.397003	15 21 32.314	-14 04 54.88	16.03 g	E55 – GOTO South	MPC 187169
2025 09 04.397616	15 21 32.197	-14 04 54.68	16.03 g	E55 – GOTO South	MPC 187170
2025 09 04.39997	15 21 31.80	-14 04 53.4	16.2 V	Q73 – Buckthorn, Thornton	MPC 187170
2025 09 04.425498	15 21 28.190	-14 04 42.64	17.1 r	E10 – Siding Spring-Faulkes Telescope South	MPEC X35
2025 09 04.427697	15 21 27.888	-14 04 41.81	17.0 r	E10 – Siding Spring-Faulkes Telescope South	MPEC X35
2025 09 04.429352	15 21 27.624	-14 04 40.76	17.5 r	E10 – Siding Spring-Faulkes Telescope South	MPEC X35
2025 09 04.437430	15 21 26.616	-14 04 37.98	16.06 g	E55 – GOTO South	MPC 187170
2025 09 04.438559	15 21 26.475	-14 04 37.53	16.01 g	E55 – GOTO South	MPC 187170
2025 09 04.439692	15 21 26.323	-14 04 37.17	15.99 g	E55 – GOTO South	MPC 187170
2025 09 04.440828	15 21 26.160	-14 04 36.46	15.96 g	E55 – GOTO South	MPC 187170
2025 09 04.52141	15 21 14.621	-14 04 02.17	15.3 V	323 – Perth Observatory, Bickley	MPC 187170
2025 09 04.52781	15 21 13.702	-14 03 59.47	15.4 V	323 – Perth Observatory, Bickley	MPC 187170
2025 09 04.53313	15 21 12.950	-14 03 57.17	15.4 V	323 – Perth Observatory, Bickley	MPC 187170
2025 09 04.738212	15 20 44.405	-14 02 31.95	15.1 V	M49 – IAS Remote Observatory, Hakos	MPC 187170
2025 09 04.745310	15 20 43.404	-14 02 28.91	15.4 V	M49 – IAS Remote Observatory, Hakos	MPC 187170
2025 09 04.752407	15 20 42.393	-14 02 25.97	15.3 V	M49 – IAS Remote Observatory, Hakos	MPC 187170
2025 09 04.759506	15 20 41.412	-14 02 23.02	15.5 V	M49 – IAS Remote Observatory, Hakos	MPC 187170
2025 09 04.766603	15 20 40.416	-14 02 19.91	15.4 V	M49 – IAS Remote Observatory, Hakos	MPC 187170
2025 09 04.773699	15 20 39.410	-14 02 16.82	15.5 V	M49 – IAS Remote Observatory, Hakos	MPC 187170
2025 09 04.788830	15 20 37.288	-14 02 10.58	15.4 V	M49 – IAS Remote Observatory, Hakos	MPC 187170
2025 09 04.795218	15 20 36.388	-14 02 07.75	15.5 V	M49 – IAS Remote Observatory, Hakos	MPC 187170
2025 09 04.801605	15 20 35.491	-14 02 05.10	15.5 V	M49 – IAS Remote Observatory, Hakos	MPC 187170
2025 09 04.80201	15 20 35.472	-14 02 08.12	15.7 V	620 – Observatorio Astronomico de Mallorca	MPC 187170
2025 09 04.807993	15 20 34.573	-14 02 02.41	15.5 V	M49 – IAS Remote Observatory, Hakos	MPC 187170
2025 09 04.814382	15 20 33.681	-14 01 59.51	15.6 V	M49 – IAS Remote Observatory, Hakos	MPC 187170
2025 09 04.820770	15 20 32.784	-14 01 56.97	15.6 V	M49 – IAS Remote Observatory, Hakos	MPC 187170
2025 09 04.82226	15 20 32.623	-14 01 59.70	15.8 V	620 – Observatorio Astronomico de Mallorca	MPC 187170

2025 09 04.84251	15 20 29.791	-14 01 51.02	15.7 V	620 – Observatorio Astronomico de Mallorca	MPC 187170
2025 09 05.73806	15 18 25.06	-13 55 33.5	15.3 G	C40 – Kuban State University Astrophysical Observato	MPC 187170
2025 09 05.74763	15 18 23.73	-13 55 28.5	15.4 G	C40 – Kuban State University Astrophysical Observato	MPC 187170
2025 09 05.75873	15 18 22.07	-13 55 22.6	15.4 G	C40 – Kuban State University Astrophysical Observato	MPC 187170
2025 09 05.80222	15 18 16.174	-13 55 06.89	15.6 r	213 – Observatorio Montcabre	MPC 187170
2025 09 05.81231	15 18 14.729	-13 55 02.53	15.1 r	213 – Observatorio Montcabre	MPC 187170
2025 09 05.81738	15 18 14.081	-13 55 00.52	15.3 R	C23 – Olmen	MPC 187170
2025 09 05.81889	15 18 13.812	-13 55 01.45	15.3 R	C23 – Olmen	MPC 187170
2025 09 05.82113	15 18 13.531	-13 54 58.93	16.2 R	C23 – Olmen	MPC 187170
2025 09 05.82241	15 18 13.306	-13 54 58.82	15.4 r	213 – Observatorio Montcabre	MPC 187170
2025 09 05.84372	15 18 10.37	-13 54 49.6	15.5 r	J96 – Observatorio de Cantabria	MPC 187170
2025 09 05.85257	15 18 09.14	-13 54 45.8	15.5 r	J96 – Observatorio de Cantabria	MPC 187170
2025 09 05.85940	15 18 08.19	-13 54 42.6	15.4 r	J96 – Observatorio de Cantabria	MPC 187170
2025 09 05.93773	15 17 57.276	-13 54 06.19	15.8 V	X93 – Munhoz Observatory	MPC 187170
2025 09 05.94030	15 17 56.834	-13 54 04.86	15.8 V	X93 – Munhoz Observatory	MPC 187170
2025 09 06.025334	15 17 45.178	-13 53 28.90	15.06 o	W68 – ATLAS Chile, Rio Hurtado	MPC 187170
2025 09 06.028044	15 17 44.798	-13 53 27.82	15.04 o	W68 – ATLAS Chile, Rio Hurtado	MPC 187170
2025 09 06.036242	15 17 43.654	-13 53 24.32	15.06 o	W68 – ATLAS Chile, Rio Hurtado	MPC 187170
2025 09 06.045859	15 17 42.329	-13 53 20.29	14.98 o	W68 – ATLAS Chile, Rio Hurtado	MPC 187170
2025 09 06.71627	15 16 09.76	-13 48 41.1	15.5 G	C40 – Kuban State University Astrophysical Observato	MPC 187170
2025 09 06.72828	15 16 08.12	-13 48 35.3	15.4 G	C40 – Kuban State University Astrophysical Observato	MPC 187170
2025 09 06.74015	15 16 06.46	-13 48 29.7	15.4 G	C40 – Kuban State University Astrophysical Observato	MPC 187170
2025 09 06.78000	15 16 01.05	-13 48 13.9	17.4 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 187170
2025 09 06.78345	15 16 00.58	-13 48 12.5	17.3 G	126 – Monte Viseggi L. Zannoni Observatory	MPC 187170
2025 09 06.950748	15 15 37.544	-13 46 58.01	15.4 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187170
2025 09 06.957056	15 15 36.659	-13 46 55.24	15.4 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187170
2025 09 06.963267	15 15 35.786	-13 46 52.41	15.3 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187170
2025 09 07.229514	15 14 59.309	-13 45 02.48	16.9 r	F65 – Haleakala-Faulkes Telescope North	MPEC X35
2025 09 07.231725	15 14 59.009	-13 45 01.58	16.8 r	F65 – Haleakala-Faulkes Telescope North	MPEC X35
2025 09 07.233368	15 14 58.798	-13 45 00.94	16.7 r	F65 – Haleakala-Faulkes Telescope North	MPEC X35
2025 09 07.75238	15 13 47.85	-13 41 18.5	15.5 G	194 – Tivoli	MPC 187170
2025 09 07.75703	15 13 47.21	-13 41 16.5	15.5 G	194 – Tivoli	MPC 187170
2025 09 07.76164	15 13 46.57	-13 41 14.6	15.5 G	194 – Tivoli	MPC 187170
2025 09 07.76627	15 13 45.93	-13 41 12.7	15.3 G	194 – Tivoli	MPC 187170
2025 09 07.792366	15 13 42.403	-13 41 05.71	15.7 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 187170
2025 09 07.793767	15 13 42.204	-13 41 05.10	15.7 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 187170
2025 09 07.795169	15 13 41.978	-13 41 04.60	15.8 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPC 187170
2025 09 08.229896	15 12 42.828	-13 37 58.40	16.9 r	F65 – Haleakala-Faulkes Telescope North	MPEC X35
2025 09 08.232095	15 12 42.535	-13 37 57.47	16.8 r	F65 – Haleakala-Faulkes Telescope North	MPEC X35
2025 09 08.233750	15 12 42.310	-13 37 56.71	16.8 r	F65 – Haleakala-Faulkes Telescope North	MPEC X35
2025 09 08.96652	15 11 03.115	-13 32 42.29	15.2 G	X41 – Observatorio Proton-Proton, Longchamps	MPC 187170

2025 09 08.97481	15 11 02.002	-13 32 38.54	15.4 G	X41 – Observatorio Proton-Proton, Longchamps	MPC 187170
2025 09 08.983572	15 11 00.840	-13 32 35.27	14.55 o	W68 – ATLAS Chile, Rio Hurtado	MPC 187170
2025 09 08.988461	12 34 26.844	+34 44 10.38		338 – Psyche	MPEC V132
2025 09 08.989004	15 11 00.094	-13 32 32.78	14.52 o	W68 – ATLAS Chile, Rio Hurtado	MPC 187170
2025 09 08.992641	15 10 59.597	-13 32 31.24	14.57 o	W68 – ATLAS Chile, Rio Hurtado	MPC 187170
2025 09 09.006713	15 10 57.689	-13 32 25.30	14.71 o	W68 – ATLAS Chile, Rio Hurtado	MPC 187170
2025 09 09.728876	15 09 20.597	-13 27 18.22	14.85 o	M22 – ATLAS South Africa, Sutherland	MPC 187170
2025 09 09.735222	15 09 19.745	-13 27 15.44	14.83 o	M22 – ATLAS South Africa, Sutherland	MPC 187170
2025 09 09.738388	15 09 19.310	-13 27 14.11	14.84 o	M22 – ATLAS South Africa, Sutherland	MPC 187170
2025 09 09.74991	15 09 17.75	-13 27 09.8	14.4 G	194 – Tivoli	MPC 187170
2025 09 09.750210	15 09 17.719	-13 27 08.96	14.81 o	M22 – ATLAS South Africa, Sutherland	MPC 187170
2025 09 09.75606	15 09 16.91	-13 27 07.1	14.4 G	194 – Tivoli	MPC 187170
2025 09 09.76234	15 09 16.06	-13 27 04.5	14.4 G	194 – Tivoli	MPC 187170
2025 09 09.76921	15 09 15.14	-13 27 01.5	14.6 G	194 – Tivoli	MPC 187170
2025 09 09.77635	15 09 14.17	-13 26 58.3	15.2 G	194 – Tivoli	MPC 187170
2025 09 09.78349	15 09 13.21	-13 26 55.4	15.7 G	194 – Tivoli	MPC 187170
2025 09 09.79522	15 09 11.774	-13 26 52.80	16.3 R	C23 – Olmen	MPC 187170
2025 09 09.79865	15 09 11.424	-13 26 51.90	15.8 R	C23 – Olmen	MPC 187170
2025 09 09.924582	15 08 54.326	-13 25 55.41	15.2 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187170
2025 09 09.941751	15 08 51.999	-13 25 48.13	15.1 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187170
2025 09 09.94859	15 08 51.113	-13 25 46.16	15.4 G	X76 – SUN Observatory, Redencao	MPC 187170
2025 09 09.95245	15 08 50.585	-13 25 44.80	16.0 G	X76 – SUN Observatory, Redencao	MPC 187170
2025 09 09.95676	15 08 50.009	-13 25 42.92	16.2 G	X76 – SUN Observatory, Redencao	MPC 187170
2025 09 09.95876	15 08 49.774	-13 25 40.55	15.4 G	X41 – Observatorio Proton-Proton, Longchamps	MPC 187170
2025 09 09.958921	15 08 49.706	-13 25 40.96	15.2 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187170
2025 09 09.99775	15 08 44.525	-13 25 23.59	15.4 G	X41 – Observatorio Proton-Proton, Longchamps	MPC 187170
2025 09 10.01478	15 08 42.25	-13 25 16.5	13.9 T	X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 187170
2025 09 10.01561	15 08 42.14	-13 25 16.1	15.3 N	X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 187170
2025 09 10.01646	15 08 42.03	-13 25 15.7		X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 187170
2025 09 10.01814	15 08 41.81	-13 25 15.0		X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 187170
2025 09 10.021315	15 08 41.371	-13 25 13.65	16.55 G	W86 – Cerro Tololo-LCO B	MPC 187170
2025 09 10.023942	15 08 41.031	-13 25 12.76	16.55 G	W86 – Cerro Tololo-LCO B	MPC 187170
2025 09 10.026579	15 08 40.674	-13 25 11.60	16.58 G	W86 – Cerro Tololo-LCO B	MPC 187170
2025 09 10.029199	15 08 40.327	-13 25 10.31	16.63 G	W86 – Cerro Tololo-LCO B	MPC 187170
2025 09 10.733241	15 07 06.488	-13 20 10.36	16.59 G	K93 – Sutherland-LCO C	MPC 187170
2025 09 10.734112	15 07 06.373	-13 20 09.99	16.54 G	K93 – Sutherland-LCO C	MPC 187170
2025 09 10.734549	15 07 06.307	-13 20 09.67	16.7 G	K93 – Sutherland-LCO C	MPEC W75
2025 09 10.734988	15 07 06.247	-13 20 09.53	16.57 G	K93 – Sutherland-LCO C	MPC 187170
2025 09 10.735862	15 07 06.138	-13 20 09.10	16.63 G	K93 – Sutherland-LCO C	MPC 187170
2025 09 10.736738	15 07 06.013	-13 20 08.92	16.43 G	K93 – Sutherland-LCO C	MPC 187170
2025 09 10.737619	15 07 05.900	-13 20 08.35	16.58 G	K93 – Sutherland-LCO C	MPC 187170

2025 09 10.738061	15 07 05.833	-13 20 08.08	17.0 G	K93 – Sutherland-LCO C	MPEC W75
2025 09 10.738491	15 07 05.778	-13 20 07.93	16.63 G	K93 – Sutherland-LCO C	MPC 187170
2025 09 10.739404	15 07 05.665	-13 20 07.70	16.49 G	K93 – Sutherland-LCO C	MPC 187170
2025 09 10.740278	15 07 05.550	-13 20 07.19	16.56 G	K93 – Sutherland-LCO C	MPC 187170
2025 09 10.741149	15 07 05.430	-13 20 06.77	16.60 G	K93 – Sutherland-LCO C	MPC 187170
2025 09 10.742023	15 07 05.310	-13 20 06.47	16.49 G	K93 – Sutherland-LCO C	MPC 187170
2025 09 10.742896	15 07 05.200	-13 20 06.08	16.68 G	K93 – Sutherland-LCO C	MPC 187170
2025 09 10.771630	15 07 01.378	-13 19 53.80	14.74 o	M22 – ATLAS South Africa, Sutherland	MPC 187170
2025 09 10.774398	15 07 01.018	-13 19 52.57	14.75 o	M22 – ATLAS South Africa, Sutherland	MPC 187170
2025 09 10.779456	15 07 00.334	-13 19 50.48	14.78 o	M22 – ATLAS South Africa, Sutherland	MPC 187170
2025 09 10.794709	15 06 58.301	-13 19 44.08	14.77 o	M22 – ATLAS South Africa, Sutherland	MPC 187171
2025 09 10.81235	15 06 55.961	-13 19 40.94	15.5 r	232 – Masquefa Observatory	MPC 187171
2025 09 10.81749	15 06 55.286	-13 19 38.71	15.3 r	232 – Masquefa Observatory	MPC 187171
2025 09 10.98722	15 06 32.74	-13 18 21.9	14.4 R	834 – Buenos Aires-AAAA	MPC 187171
2025 09 11.008738	15 06 29.878	-13 18 12.75	16.48 G	W86 – Cerro Tololo-LCO B	MPC 187171
2025 09 11.00921	15 06 29.78	-13 18 12.5	14.4 R	834 – Buenos Aires-AAAA	MPC 187171
2025 09 11.009610	15 06 29.773	-13 18 12.37	16.5 G	W86 – Cerro Tololo-LCO B	MPEC W75
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2025 09 11.010486	15 06 29.637	-13 18 11.98	16.66 G	W86 – Cerro Tololo-LCO B	MPC 187171
2025 09 11.011372	15 06 29.535	-13 18 11.57	16.62 G	W86 – Cerro Tololo-LCO B	MPC 187171
2025 09 11.012246	15 06 29.419	-13 18 11.29	16.6 G	W86 – Cerro Tololo-LCO B	MPEC W75
2025 09 11.012247	15 06 29.412	-13 18 11.30	16.53 G	W86 – Cerro Tololo-LCO B	MPC 187171
2025 09 11.013124	15 06 29.304	-13 18 10.80	16.66 G	W86 – Cerro Tololo-LCO B	MPC 187171
2025 09 11.014003	15 06 29.185	-13 18 10.57	16.65 G	W86 – Cerro Tololo-LCO B	MPC 187171
2025 09 11.014871	15 06 29.067	-13 18 10.12	16.6 G	W86 – Cerro Tololo-LCO B	MPEC W75
2025 09 11.014872	15 06 29.081	-13 18 10.23	16.51 G	W86 – Cerro Tololo-LCO B	MPC 187171
2025 09 11.015744	15 06 28.943	-13 18 09.80	16.66 G	W86 – Cerro Tololo-LCO B	MPC 187171
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2025 09 11.017493	15 06 28.732	-13 18 09.14	16.52 G	W86 – Cerro Tololo-LCO B	MPC 187171
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2025 09 11.018369	15 06 28.609	-13 18 08.77	16.66 G	W86 – Cerro Tololo-LCO B	MPC 187171
2025 09 11.72091	15 04 55.65	-13 13 12.1	15.3 G	C40 – Kuban State University Astrophysical Observato	MPC 187171
2025 09 11.72735	15 04 54.88	-13 13 10.1	15.3 G	C40 – Kuban State University Astrophysical Observato	MPC 187171
2025 09 11.73392	15 04 53.95	-13 13 06.6	15.3 G	C40 – Kuban State University Astrophysical Observato	MPC 187171
2025 09 11.735764	15 04 53.797	-13 13 02.40	16.29 G	K91 – Sutherland-LCO A	MPC 187171
2025 09 11.736639	15 04 53.692	-13 13 02.09	16.07 G	K91 – Sutherland-LCO A	MPC 187171
2025 09 11.738373	15 04 53.465	-13 13 01.20	16.32 G	K91 – Sutherland-LCO A	MPC 187171
2025 09 11.739244	15 04 53.350	-13 13 00.82	16.15 G	K91 – Sutherland-LCO A	MPC 187171
2025 09 11.740990	15 04 53.110	-13 13 00.24	16.27 G	K91 – Sutherland-LCO A	MPC 187171
2025 09 11.741859	15 04 52.997	-13 12 59.83	16.17 G	K91 – Sutherland-LCO A	MPC 187171
2025 09 11.743603	15 04 52.766	-13 12 59.17	16.31 G	K91 – Sutherland-LCO A	MPC 187171

2025 09 11.744484	15 04 52.649	-13 12 58.65	16.26 G	K91 – Sutherland-LCO A	MPC 187171
2025 09 11.95416	15 04 25.145	-13 11 30.80		X33 – OARU, Manaus	MPC 187171
2025 09 11.96850	15 04 23.134	-13 11 24.32	16.0 V	X33 – OARU, Manaus	MPC 187171
2025 09 11.972514	15 04 22.632	-13 11 21.46		X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 187171
2025 09 11.973707	15 04 22.484	-13 11 20.83	16.1 G	X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 187171
2025 09 11.974899	15 04 22.331	-13 11 20.77		X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 187171
2025 09 11.977983	15 04 21.953	-13 11 18.78	15.0 G	X29 – Observatorio Astronomico Municipal de Funes	MPC 187171
2025 09 11.982615	15 04 21.302	-13 11 16.91	15.1 G	X29 – Observatorio Astronomico Municipal de Funes	MPC 187171
2025 09 11.98266	15 04 21.290	-13 11 19.46	16.1 V	X33 – OARU, Manaus	MPC 187171
2025 09 11.986939	15 04 20.731	-13 11 15.11	15.0 G	X29 – Observatorio Astronomico Municipal de Funes	MPC 187171
2025 09 11.99398	15 04 19.83	-13 11 11.9	14.6 R	I47 – Pierre Auger Observatory, Malargue	MPC 187171
2025 09 11.99434	15 04 19.78	-13 11 12.2	15.0 G	W79 – Cerro Tololo-LCO Aqawan B #1	MPC 187171
2025 09 11.99646	15 04 19.47	-13 11 11.1	15.0 G	W79 – Cerro Tololo-LCO Aqawan B #1	MPC 187171
2025 09 11.997083	15 04 19.392	-13 11 10.79	16.65 G	W86 – Cerro Tololo-LCO B	MPC 187171
2025 09 11.997966	15 04 19.278	-13 11 10.42	16.43 G	W86 – Cerro Tololo-LCO B	MPC 187171
2025 09 11.99858	15 04 19.18	-13 11 10.4	15.0 G	W79 – Cerro Tololo-LCO Aqawan B #1	MPC 187171
2025 09 11.999712	15 04 19.059	-13 11 09.79	16.61 G	W86 – Cerro Tololo-LCO B	MPC 187171
2025 09 12.000587	15 04 18.930	-13 11 09.37	16.50 G	W86 – Cerro Tololo-LCO B	MPC 187171
2025 09 12.002340	15 04 18.710	-13 11 08.44	16.55 G	W86 – Cerro Tololo-LCO B	MPC 187171
2025 09 12.003218	15 04 18.594	-13 11 08.11	16.49 G	W86 – Cerro Tololo-LCO B	MPC 187171
2025 09 12.004971	15 04 18.369	-13 11 07.35	16.63 G	W86 – Cerro Tololo-LCO B	MPC 187171
2025 09 12.005846	15 04 18.238	-13 11 07.00	16.46 G	W86 – Cerro Tololo-LCO B	MPC 187171
2025 09 12.03273	15 04 14.72	-13 10 55.1	15.1 V	I47 – Pierre Auger Observatory, Malargue	MPC 187171
2025 09 12.37386	15 03 29.93	-13 08 29.6		Q62 – iTelescope Observatory, Siding Spring	MPEC X127
2025 09 12.37556	15 03 29.74	-13 08 29.3		Q62 – iTelescope Observatory, Siding Spring	MPEC X127
2025 09 12.37727	15 03 29.51	-13 08 28.7	14.5 G	Q62 – iTelescope Observatory, Siding Spring	MPEC X127
2025 09 12.69732	15 02 47.68	-13 06 15.5	15.1 G	C40 – Kuban State University Astrophysical Observato	MPC 187171
2025 09 12.70339	15 02 46.86	-13 06 12.7	15.2 G	C40 – Kuban State University Astrophysical Observato	MPC 187171
2025 09 12.70940	15 02 46.02	-13 06 10.0	15.1 G	C40 – Kuban State University Astrophysical Observato	MPC 187171
2025 09 12.74001	15 02 42.050	-13 05 57.01	15.3 G	L54 – Berthelot Observatory, Hunedoara	MPC 187171
2025 09 12.75889	15 02 39.586	-13 05 48.88	15.3 G	L54 – Berthelot Observatory, Hunedoara	MPC 187171
2025 09 12.77554	15 02 37.344	-13 05 42.07	15.5 G	L54 – Berthelot Observatory, Hunedoara	MPC 187171
2025 09 12.79089	15 02 35.482	-13 05 35.34	16.4 R	C23 – Olmen	MPC 187171
2025 09 12.79363	15 02 35.057	-13 05 34.01	15.8 R	C23 – Olmen	MPC 187171
2025 09 13.69306	15 00 38.02	-12 59 09.2	15.1 G	C40 – Kuban State University Astrophysical Observato	MPC 187171
2025 09 13.69863	15 00 37.32	-12 59 06.9	15.2 G	C40 – Kuban State University Astrophysical Observato	MPC 187171
2025 09 13.70421	15 00 36.63	-12 59 04.1	15.1 G	C40 – Kuban State University Astrophysical Observato	MPC 187171
2025 09 13.73332	15 00 32.820	-12 58 53.11	15.6 G	L54 – Berthelot Observatory, Hunedoara	MPC 187171
2025 09 13.736580	15 00 32.363	-12 58 46.65	16.42 G	K93 – Sutherland-LCO C	MPC 187171
2025 09 13.737454	15 00 32.240	-12 58 46.42	16.29 G	K93 – Sutherland-LCO C	MPC 187171
2025 09 13.738323	15 00 32.130	-12 58 46.07	16.40 G	K93 – Sutherland-LCO C	MPC 187171

2025 09 13.739196	15 00 31.998	-12 58 45.72	16.47 G	K93 – Sutherland-LCO C	MPC 187171
2025 09 13.740074	15 00 31.897	-12 58 45.20	16.37 G	K93 – Sutherland-LCO C	MPC 187171
2025 09 13.740946	15 00 31.787	-12 58 44.90	16.41 G	K93 – Sutherland-LCO C	MPC 187171
2025 09 13.741821	15 00 31.675	-12 58 44.49	16.35 G	K93 – Sutherland-LCO C	MPC 187171
2025 09 13.742683	15 00 31.558	-12 58 44.08	16.28 G	K93 – Sutherland-LCO C	MPC 187171
2025 09 13.743558	15 00 31.446	-12 58 43.71	16.45 G	K93 – Sutherland-LCO C	MPC 187171
2025 09 13.744434	15 00 31.331	-12 58 43.43	16.34 G	K93 – Sutherland-LCO C	MPC 187171
2025 09 13.745304	15 00 31.217	-12 58 42.97	16.32 G	K93 – Sutherland-LCO C	MPC 187171
2025 09 13.746183	15 00 31.107	-12 58 42.60	16.47 G	K93 – Sutherland-LCO C	MPC 187171
2025 09 13.74767	15 00 31.085	-12 58 46.09	15.7 G	L54 – Berthelot Observatory, Hunedoara	MPC 187171
2025 09 13.76581	15 00 28.541	-12 58 38.93	15.5 G	L54 – Berthelot Observatory, Hunedoara	MPC 187171
2025 09 13.84581	15 00 18.230	-12 58 03.43	15.1 G	G40 – Slooh.com Canary Islands Observatory	MPC 187171
2025 09 13.85251	15 00 17.362	-12 58 00.41	15.0 G	G40 – Slooh.com Canary Islands Observatory	MPC 187171
2025 09 14.008356	14 59 57.162	-12 56 50.47	16.31 G	W87 – Cerro Tololo-LCO C	MPC 187171
2025 09 14.009236	14 59 57.044	-12 56 50.02	16.47 G	W87 – Cerro Tololo-LCO C	MPC 187171
2025 09 14.010117	14 59 56.940	-12 56 49.72	16.43 G	W87 – Cerro Tololo-LCO C	MPC 187171
2025 09 14.010993	14 59 56.817	-12 56 49.29	16.32 G	W87 – Cerro Tololo-LCO C	MPC 187171
2025 09 14.011867	14 59 56.704	-12 56 48.87	16.48 G	W87 – Cerro Tololo-LCO C	MPC 187171
2025 09 14.013623	14 59 56.482	-12 56 48.16	16.31 G	W87 – Cerro Tololo-LCO C	MPC 187171
2025 09 14.014500	14 59 56.370	-12 56 47.73	16.50 G	W87 – Cerro Tololo-LCO C	MPC 187171
2025 09 14.016248	14 59 56.134	-12 56 46.94	16.30 G	W87 – Cerro Tololo-LCO C	MPC 187171
2025 09 14.017163	14 59 56.022	-12 56 46.65	16.44 G	W87 – Cerro Tololo-LCO C	MPC 187171
2025 09 14.41590	14 59 04.63	-12 53 59.7	14.2 T	349 – Ageo	MPC 187171
2025 09 14.42381	14 59 03.60	-12 53 56.2		349 – Ageo	MPC 187171
2025 09 14.43175	14 59 02.59	-12 53 52.6		349 – Ageo	MPC 187171
2025 09 14.49405	14 58 54.20	-12 53 22.2	13.8 G	G26 – Fushan Observatory, Mt Shaohua	MPC 187171
2025 09 14.50853	14 58 52.55	-12 53 18.6	14.1 G	G26 – Fushan Observatory, Mt Shaohua	MPC 187171
2025 09 14.68791	14 58 29.53	-12 52 04.1	15.1 G	C40 – Kuban State University Astrophysical Observato	MPC 187171
2025 09 14.69446	14 58 28.69	-12 51 59.8	15.1 G	C40 – Kuban State University Astrophysical Observato	MPC 187171
2025 09 14.70094	14 58 27.80	-12 51 57.2	15.1 G	C40 – Kuban State University Astrophysical Observato	MPC 187171
2025 09 14.729569	14 58 24.230	-12 51 41.34	16.40 G	K93 – Sutherland-LCO C	MPC 187171
2025 09 14.730441	14 58 24.119	-12 51 40.92	16.20 G	K93 – Sutherland-LCO C	MPC 187171
2025 09 14.731318	14 58 24.011	-12 51 40.64	16.41 G	K93 – Sutherland-LCO C	MPC 187171
2025 09 14.732190	14 58 23.879	-12 51 40.12	16.24 G	K93 – Sutherland-LCO C	MPC 187171
2025 09 14.733066	14 58 23.775	-12 51 39.80	16.24 G	K93 – Sutherland-LCO C	MPC 187171
2025 09 14.733941	14 58 23.662	-12 51 39.36	16.35 G	K93 – Sutherland-LCO C	MPC 187171
2025 09 14.734819	14 58 23.541	-12 51 39.00	16.28 G	K93 – Sutherland-LCO C	MPC 187171
2025 09 14.735696	14 58 23.442	-12 51 38.59	16.28 G	K93 – Sutherland-LCO C	MPC 187171
2025 09 14.736572	14 58 23.329	-12 51 38.30	16.30 G	K93 – Sutherland-LCO C	MPC 187171
2025 09 14.737447	14 58 23.203	-12 51 37.84	16.35 G	K93 – Sutherland-LCO C	MPC 187171
2025 09 14.738318	14 58 23.103	-12 51 37.52	16.67 G	K93 – Sutherland-LCO C	MPC 187171

2025 09 14.739193	14 58 22.974	-12 51 37.20	16.51 G	K93 – Sutherland-LCO C	MPC 187172
2025 09 14.79172	14 58 16.22	-12 51 14.9	15.0 G	194 – Tivoli	MPC 187172
2025 09 14.79551	14 58 15.74	-12 51 13.3	15.0 G	194 – Tivoli	MPC 187172
2025 09 14.79855	14 58 15.28	-12 51 11.9	15.1 G	194 – Tivoli	MPC 187172
2025 09 14.80223	14 58 14.86	-12 51 10.5	15.2 G	194 – Tivoli	MPC 187172
2025 09 14.80665	14 58 14.25	-12 51 08.4	15.2 G	194 – Tivoli	MPC 187172
2025 09 14.81109	14 58 13.71	-12 51 06.4	15.2 G	194 – Tivoli	MPC 187172
2025 09 14.83919	14 58 10.370	-12 50 58.27	14.6 r	J47 – Observatorio Nazaret	MPC 187172
2025 09 14.84211	14 58 09.749	-12 50 56.87	14.7 r	J47 – Observatorio Nazaret	MPC 187172
2025 09 14.84494	14 58 09.223	-12 50 53.70	14.8 r	J47 – Observatorio Nazaret	MPC 187172
2025 09 14.978155	14 57 52.313	-12 49 54.95	16.30 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 14.979034	14 57 52.215	-12 49 54.50	16.15 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 14.979906	14 57 52.102	-12 49 54.19	16.17 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 14.980782	14 57 51.973	-12 49 53.77	16.44 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 14.981656	14 57 51.856	-12 49 53.38	16.29 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 14.982536	14 57 51.755	-12 49 52.85	16.31 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 14.983412	14 57 51.656	-12 49 52.67	16.31 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 14.984287	14 57 51.534	-12 49 52.24	16.21 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 14.985174	14 57 51.421	-12 49 51.78	16.31 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 14.986050	14 57 51.294	-12 49 51.39	16.41 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 14.986926	14 57 51.191	-12 49 51.05	16.17 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 14.987800	14 57 51.084	-12 49 50.67	16.23 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 14.993632	14 57 50.311	-12 49 48.22	16.19 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 14.994505	14 57 50.214	-12 49 47.78	16.06 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 14.995388	14 57 50.101	-12 49 47.40	16.18 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 14.996273	14 57 49.989	-12 49 47.01	16.06 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 14.997161	14 57 49.855	-12 49 46.65	16.20 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 14.998036	14 57 49.747	-12 49 46.30	16.06 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 14.999806	14 57 49.517	-12 49 45.43	16.05 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 15.000692	14 57 49.422	-12 49 45.16	16.17 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 15.001574	14 57 49.291	-12 49 44.64	16.10 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 15.002448	14 57 49.178	-12 49 44.36	16.10 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 15.003336	14 57 49.069	-12 49 43.92	16.05 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 15.004222	14 57 48.959	-12 49 43.57	16.18 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 15.005096	14 57 48.838	-12 49 43.38	16.07 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 15.006865	14 57 48.609	-12 49 42.42	16.03 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 15.008626	14 57 48.382	-12 49 41.62	16.06 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 15.009503	14 57 48.267	-12 49 41.16	16.18 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 15.010397	14 57 48.152	-12 49 40.81	16.07 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 15.012150	14 57 47.933	-12 49 40.07	16.05 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 15.013032	14 57 47.824	-12 49 39.90	16.16 G	W87 – Cerro Tololo-LCO C	MPC 187172

2025 09 15.23990	14 57 18.77	-12 48 06.1	14.3 r	247 – Roving Observer	MPC 187172
2025 09 15.25593	14 57 16.81	-12 47 58.5	14.2 r	247 – Roving Observer	MPC 187172
2025 09 15.27146	14 57 14.87	-12 47 51.7	14.1 r	247 – Roving Observer	MPC 187172
2025 09 15.577054	14 56 35.728	-12 45 42.42	13.8 G	N56 – Jiama'erdeng Tianwentai JIST project, Ali, Tib	MPC 187172
2025 09 15.584256	14 56 34.764	-12 45 39.18	14.3 G	N56 – Jiama'erdeng Tianwentai JIST project, Ali, Tib	MPC 187172
2025 09 15.591531	14 56 33.925	-12 45 34.80	14.3 G	N56 – Jiama'erdeng Tianwentai JIST project, Ali, Tib	MPC 187172
2025 09 15.68545	14 56 21.87	-12 44 55.6	15.0 G	C40 – Kuban State University Astrophysical Observato	MPC 187172
2025 09 15.69104	14 56 21.17	-12 44 53.4	15.0 G	C40 – Kuban State University Astrophysical Observato	MPC 187172
2025 09 15.69661	14 56 20.35	-12 44 49.3	15.0 G	C40 – Kuban State University Astrophysical Observato	MPC 187172
2025 09 15.73912	14 56 14.947	-12 44 32.82	15.0 G	L54 – Berthelot Observatory, Hunedoara	MPC 187172
2025 09 15.75196	14 56 13.409	-12 44 27.13	15.0 G	L54 – Berthelot Observatory, Hunedoara	MPC 187172
2025 09 15.76627	14 56 11.544	-12 44 20.08	14.9 G	L54 – Berthelot Observatory, Hunedoara	MPC 187172
2025 09 15.775078	14 56 10.391	-12 44 13.26	16.2 G	M21 – Schiaparelli Southern Observatory, Hakos	MPEC X127
2025 09 15.793961	14 56 07.992	-12 44 04.89	16.4 G	M21 – Schiaparelli Southern Observatory, Hakos	MPEC X127
2025 09 15.79568	14 56 07.812	-12 44 07.40	15.3 r	232 – Masquefa Observatory	MPC 187172
2025 09 15.80101	14 56 07.150	-12 44 05.42	14.8 r	232 – Masquefa Observatory	MPC 187172
2025 09 15.96527	14 55 46.25	-12 42 51.2	13.8 R	834 – Buenos Aires-AAAA	MPC 187172
2025 09 15.99093	14 55 42.94	-12 42 39.9	14.1 R	834 – Buenos Aires-AAAA	MPC 187172
2025 09 15.993201	14 55 42.665	-12 42 39.25	16.31 G	W86 – Cerro Tololo-LCO B	MPC 187172
2025 09 15.994074	14 55 42.561	-12 42 38.86	16.20 G	W86 – Cerro Tololo-LCO B	MPC 187172
2025 09 15.994234	14 55 42.558	-12 42 38.91	16.24 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 15.994950	14 55 42.443	-12 42 38.45	16.36 G	W86 – Cerro Tololo-LCO B	MPC 187172
2025 09 15.995282	14 55 42.407	-12 42 38.33	16.12 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 15.995829	14 55 42.329	-12 42 38.06	16.32 G	W86 – Cerro Tololo-LCO B	MPC 187172
2025 09 15.996318	14 55 42.284	-12 42 37.90	16.26 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 15.996539	14 55 42.246	-12 42 37.79	15.7 G	W87 – Cerro Tololo-LCO C	MPEC W75
2025 09 15.996707	14 55 42.222	-12 42 37.69	16.18 G	W86 – Cerro Tololo-LCO B	MPC 187172
2025 09 15.997382	14 55 42.138	-12 42 37.40	16.15 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 15.997591	14 55 42.100	-12 42 37.35	16.35 G	W86 – Cerro Tololo-LCO B	MPC 187172
2025 09 15.998466	14 55 42.000	-12 42 37.16	16.35 G	W86 – Cerro Tololo-LCO B	MPC 187172
2025 09 15.999345	14 55 41.884	-12 42 36.58	16.21 G	W86 – Cerro Tololo-LCO B	MPC 187172
2025 09 15.999491	14 55 41.870	-12 42 36.50	16.07 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 16.000219	14 55 41.769	-12 42 36.29	16.37 G	W86 – Cerro Tololo-LCO B	MPC 187172
2025 09 16.000541	14 55 41.728	-12 42 35.96	16.26 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 16.001105	14 55 41.661	-12 42 35.89	16.34 G	W86 – Cerro Tololo-LCO B	MPC 187172
2025 09 16.001600	14 55 41.600	-12 42 35.50	16.17 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 16.001984	14 55 41.541	-12 42 35.40	16.20 G	W86 – Cerro Tololo-LCO B	MPC 187172
2025 09 16.002129	14 55 41.523	-12 42 35.30	16.0 G	W87 – Cerro Tololo-LCO C	MPEC W75
2025 09 16.002667	14 55 41.466	-12 42 35.06	16.20 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 16.002859	14 55 41.439	-12 42 35.19	16.36 G	W86 – Cerro Tololo-LCO B	MPC 187172
2025 09 16.003716	14 55 41.330	-12 42 34.56	16.09 G	W87 – Cerro Tololo-LCO C	MPC 187172

2025 09 16.004767	14 55 41.189	-12 42 34.10	16.30 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 16.005829	14 55 41.059	-12 42 33.92	16.10 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 16.006883	14 55 40.913	-12 42 33.21	16.1 G	W87 – Cerro Tololo-LCO C	MPEC W75
2025 09 16.006890	14 55 40.919	-12 42 33.20	16.19 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 16.007946	14 55 40.785	-12 42 32.94	16.13 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 16.008994	14 55 40.650	-12 42 32.45	16.30 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 16.010058	14 55 40.524	-12 42 32.04	16.09 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 16.011120	14 55 40.383	-12 42 31.41	16.29 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 16.012173	14 55 40.236	-12 42 30.88	16.9 G	W87 – Cerro Tololo-LCO C	MPEC W75
2025 09 16.012174	14 55 40.246	-12 42 30.89	16.08 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 16.013233	14 55 40.109	-12 42 30.45	16.24 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 16.014292	14 55 39.977	-12 42 30.05	16.13 G	W87 – Cerro Tololo-LCO C	MPC 187172
2025 09 16.393056	14 54 51.895	-12 39 47.35	16.35 G	Q63 – Siding Spring-LCO A	MPC 187172
2025 09 16.393929	14 54 51.787	-12 39 47.00	16.14 G	Q63 – Siding Spring-LCO A	MPC 187172
2025 09 16.394804	14 54 51.672	-12 39 46.59	16.40 G	Q63 – Siding Spring-LCO A	MPC 187172
2025 09 16.395682	14 54 51.556	-12 39 46.22	16.25 G	Q63 – Siding Spring-LCO A	MPC 187172
2025 09 16.396560	14 54 51.438	-12 39 45.90	16.06 G	Q63 – Siding Spring-LCO A	MPC 187172
2025 09 16.397447	14 54 51.334	-12 39 45.60	16.35 G	Q63 – Siding Spring-LCO A	MPC 187172
2025 09 16.398323	14 54 51.219	-12 39 45.13	16.21 G	Q63 – Siding Spring-LCO A	MPC 187172
2025 09 16.399208	14 54 51.114	-12 39 44.86	16.18 G	Q63 – Siding Spring-LCO A	MPC 187172
2025 09 16.400086	14 54 51.004	-12 39 44.50	16.39 G	Q63 – Siding Spring-LCO A	MPC 187172
2025 09 16.400972	14 54 50.891	-12 39 43.98	16.24 G	Q63 – Siding Spring-LCO A	MPC 187172
2025 09 16.401845	14 54 50.776	-12 39 43.55	16.19 G	Q63 – Siding Spring-LCO A	MPC 187172
2025 09 16.402721	14 54 50.663	-12 39 43.22	16.39 G	Q63 – Siding Spring-LCO A	MPC 187172
2025 09 17.36880	14 52 48.68	-12 32 48.0	14.7 G	Q58 – Siding Spring-LCO Clamshell #1	MPC 187172
2025 09 17.37091	14 52 48.42	-12 32 46.8	14.7 G	Q58 – Siding Spring-LCO Clamshell #1	MPC 187172
2025 09 17.37303	14 52 48.14	-12 32 46.5	14.7 G	Q58 – Siding Spring-LCO Clamshell #1	MPC 187172
2025 09 17.41156	14 52 43.35	-12 32 33.7		349 – Ageo	MPC 187172
2025 09 17.41692	14 52 42.66	-12 32 31.3	13.9 T	349 – Ageo	MPC 187172
2025 09 17.577005	14 52 22.544	-12 31 22.10	14.6 G	N56 – Jiama'erdeng Tianwentai JIST project, Ali, Tib	MPC 187172
2025 09 17.583014	14 52 21.761	-12 31 19.48	14.5 G	N56 – Jiama'erdeng Tianwentai JIST project, Ali, Tib	MPC 187173
2025 09 17.588603	14 52 21.035	-12 31 16.80	15.0 G	N56 – Jiama'erdeng Tianwentai JIST project, Ali, Tib	MPC 187173
2025 09 17.76380	14 51 59.06	-12 29 58.7	14.5 G	194 – Tivoli	MPC 187173
2025 09 17.77237	14 51 57.98	-12 29 55.0	14.6 G	194 – Tivoli	MPC 187173
2025 09 17.78092	14 51 56.91	-12 29 51.3	14.7 G	194 – Tivoli	MPC 187173
2025 09 17.78886	14 51 55.91	-12 29 47.9	14.8 G	194 – Tivoli	MPC 187173
2025 09 17.79462	14 51 55.19	-12 29 45.5	14.9 G	194 – Tivoli	MPC 187173
2025 09 18.377579	14 50 42.257	-12 25 34.09	16.22 G	Q64 – Siding Spring-LCO B	MPC 187173
2025 09 18.378453	14 50 42.157	-12 25 33.69	16.13 G	Q64 – Siding Spring-LCO B	MPC 187173
2025 09 18.379326	14 50 42.037	-12 25 33.37	16.24 G	Q64 – Siding Spring-LCO B	MPC 187173
2025 09 18.380203	14 50 41.941	-12 25 32.90	16.17 G	Q64 – Siding Spring-LCO B	MPC 187173

2025 09 18.381078	14 50 41.822	-12 25 32.59	16.10 G	Q64 – Siding Spring-LCO B	MPC 187173
2025 09 18.381959	14 50 41.727	-12 25 32.33	16.23 G	Q64 – Siding Spring-LCO B	MPC 187173
2025 09 18.382830	14 50 41.608	-12 25 31.74	16.10 G	Q64 – Siding Spring-LCO B	MPC 187173
2025 09 18.383704	14 50 41.495	-12 25 31.32	16.01 G	Q64 – Siding Spring-LCO B	MPC 187173
2025 09 18.384582	14 50 41.380	-12 25 31.02	16.15 G	Q64 – Siding Spring-LCO B	MPC 187173
2025 09 18.385457	14 50 41.270	-12 25 30.69	16.23 G	Q64 – Siding Spring-LCO B	MPC 187173
2025 09 18.386330	14 50 41.170	-12 25 30.22	16.02 G	Q64 – Siding Spring-LCO B	MPC 187173
2025 09 18.387205	14 50 41.057	-12 25 29.76	16.13 G	Q64 – Siding Spring-LCO B	MPC 187173
2025 09 18.39388	14 50 40.236	-12 25 27.08	14.2 G	Q62 – iTelescope Observatory, Siding Spring	MPC 187173
2025 09 18.39559	14 50 40.022	-12 25 26.29	14.2 G	Q62 – iTelescope Observatory, Siding Spring	MPC 187173
2025 09 18.39730	14 50 39.816	-12 25 25.64	14.2 G	Q62 – iTelescope Observatory, Siding Spring	MPC 187173
2025 09 18.40135	14 50 39.305	-12 25 23.84	14.2 G	Q62 – iTelescope Observatory, Siding Spring	MPC 187173
2025 09 18.40308	14 50 39.091	-12 25 23.05	14.2 G	Q62 – iTelescope Observatory, Siding Spring	MPC 187173
2025 09 18.73694	14 49 57.478	-12 23 02.76	14.8 G	L54 – Berthelot Observatory, Hunedoara	MPC 187173
2025 09 18.74274	14 49 56.832	-12 22 59.09	14.9 G	L54 – Berthelot Observatory, Hunedoara	MPC 187173
2025 09 18.74909	14 49 55.982	-12 22 56.35	14.9 G	L54 – Berthelot Observatory, Hunedoara	MPC 187173
2025 09 18.758129	14 49 54.943	-12 22 54.09	14.77 G	L92 – San Costantino	MPEC U263
2025 09 18.762022	14 49 54.407	-12 22 52.70	14.63 G	L92 – San Costantino	MPEC U263
2025 09 18.765442	14 49 53.938	-12 22 51.74	15.51 G	L92 – San Costantino	MPEC U263
2025 09 18.77791	14 49 52.52	-12 22 45.4	15.2 R	A77 – Observatoire Chante-Perdrix, Dauban	MPC 187173
2025 09 18.78262	14 49 51.89	-12 22 43.8	14.5 R	A77 – Observatoire Chante-Perdrix, Dauban	MPC 187173
2025 09 18.78731	14 49 51.24	-12 22 43.9	14.1 R	A77 – Observatoire Chante-Perdrix, Dauban	MPC 187173
2025 09 18.927949	14 49 33.708	-12 21 37.61	14.3 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187173
2025 09 18.930794	14 49 33.360	-12 21 36.44	14.3 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187173
2025 09 18.934876	14 49 32.843	-12 21 34.65	14.2 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187173
2025 09 18.979319	14 49 27.330	-12 21 14.92		X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 187173
2025 09 18.981562	14 49 27.058	-12 21 13.75	15.5 G	X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 187173
2025 09 18.983765	14 49 26.806	-12 21 12.66		X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 187173
2025 09 19.34184	14 48 42.386	-12 18 38.23	14.5 V	E86 – Speranza Observatory, Otaki	MPC 187173
2025 09 19.35306	14 48 40.997	-12 18 33.12	14.5 V	E86 – Speranza Observatory, Otaki	MPC 187173
2025 09 19.36512	14 48 39.564	-12 18 28.12	14.4 V	E86 – Speranza Observatory, Otaki	MPC 187173
2025 09 19.73367	14 47 53.904	-12 15 53.60	14.8 G	L54 – Berthelot Observatory, Hunedoara	MPC 187173
2025 09 19.73981	14 47 53.078	-12 15 51.95	14.8 G	L54 – Berthelot Observatory, Hunedoara	MPC 187173
2025 09 19.74638	14 47 52.310	-12 15 47.99	14.9 G	L54 – Berthelot Observatory, Hunedoara	MPC 187173
2025 09 19.751608	14 47 51.648	-12 15 45.86	14.8 G	M57 – Wide-field Mufara Telescope, Isnello	MPC 187173
2025 09 19.754086	14 47 51.341	-12 15 44.82	14.8 G	M57 – Wide-field Mufara Telescope, Isnello	MPC 187173
2025 09 19.756549	14 47 51.038	-12 15 43.63	14.8 G	M57 – Wide-field Mufara Telescope, Isnello	MPC 187173
2025 09 19.761480	14 47 50.434	-12 15 41.54	14.8 G	M57 – Wide-field Mufara Telescope, Isnello	MPC 187173
2025 09 19.99703	14 47 21.21	-12 13 57.6	15.7 R	H78 – University of Narino Observatory, Pasto	MPEC U263
2025 09 20.01033	14 47 19.57	-12 13 51.9	16.6 R	H78 – University of Narino Observatory, Pasto	MPEC U263
2025 09 20.743903	14 45 49.498	-12 08 37.14	14.6 r	M57 – Wide-field Mufara Telescope, Isnello	MPC 187173

2025 09 20.750108	14 45 48.718	-12 08 35.02	14.3 r	M57 – Wide-field Mufara Telescope, Isnello	MPC 187173
2025 09 20.757866	14 45 47.755	-12 08 31.31	14.3 r	M57 – Wide-field Mufara Telescope, Isnello	MPC 187173
2025 09 21.372016	14 44 32.580	-12 04 02.21	16.00 G	Q64 – Siding Spring-LCO B	MPC 187173
2025 09 21.372894	14 44 32.465	-12 04 01.77	16.10 G	Q64 – Siding Spring-LCO B	MPC 187173
2025 09 21.373767	14 44 32.359	-12 04 01.43	15.87 G	Q64 – Siding Spring-LCO B	MPC 187173
2025 09 21.374647	14 44 32.261	-12 04 01.04	15.94 G	Q64 – Siding Spring-LCO B	MPC 187173
2025 09 21.375522	14 44 32.150	-12 04 00.74	15.99 G	Q64 – Siding Spring-LCO B	MPC 187173
2025 09 21.376425	14 44 32.050	-12 04 00.38	15.90 G	Q64 – Siding Spring-LCO B	MPC 187173
2025 09 21.377300	14 44 31.937	-12 03 59.90	16.00 G	Q64 – Siding Spring-LCO B	MPC 187173
2025 09 21.378176	14 44 31.818	-12 03 59.47	16.02 G	Q64 – Siding Spring-LCO B	MPC 187173
2025 09 21.379054	14 44 31.721	-12 03 59.20	15.94 G	Q64 – Siding Spring-LCO B	MPC 187173
2025 09 21.379926	14 44 31.616	-12 03 58.68	15.92 G	Q64 – Siding Spring-LCO B	MPC 187173
2025 09 21.810367	14 43 39.171	-12 00 56.32	14.1 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPC 187173
2025 09 21.81136	14 43 39.02	-12 00 56.4	13.9 R	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 187173
2025 09 21.81301	14 43 38.83	-12 00 54.7	13.8 R	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 187173
2025 09 21.81467	14 43 38.63	-12 00 54.1	13.9 R	Y71 – Makroskooppi, Fregenal de la Sierra	MPC 187173
2025 09 21.815350	14 43 38.554	-12 00 54.36	14.2 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPC 187173
2025 09 21.820228	14 43 38.016	-12 00 51.61	14.3 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPC 187173
2025 09 22.75336	14 41 44.66	-11 54 04.7	14.0 G	194 – Tivoli	MPC 187173
2025 09 22.76735	14 41 42.96	-11 53 58.4	14.2 G	194 – Tivoli	MPC 187173
2025 09 22.77862	14 41 41.59	-11 53 53.6	14.5 G	194 – Tivoli	MPC 187173
2025 09 23.49958	14 40 14.611	-11 48 41.04	13.4 V	P14 – Nedlands Observatory, Perth	MPC 187173
2025 09 23.50664	14 40 13.675	-11 48 38.02	13.5 V	P14 – Nedlands Observatory, Perth	MPC 187173
2025 09 23.51351	14 40 12.785	-11 48 34.49	13.2 V	P14 – Nedlands Observatory, Perth	MPC 187173
2025 09 23.65785	14 39 55.514	-11 47 32.71	13.9 V	247 – Roving Observer	MPC 187173
2025 09 23.65978	14 39 55.253	-11 47 31.81	14.0 V	247 – Roving Observer	MPC 187173
2025 09 23.66269	14 39 54.922	-11 47 30.48	14.0 V	247 – Roving Observer	MPC 187173
2025 09 23.755318	14 39 43.752	-11 46 49.85	15.6 G	M21 – Schiaparelli Southern Observatory, Hakos	MPEC X127
2025 09 23.761653	14 39 42.994	-11 46 46.82		M21 – Schiaparelli Southern Observatory, Hakos	MPEC X127
2025 09 23.929366	14 39 22.861	-11 45 34.37	13.9 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187173
2025 09 23.933569	14 39 22.349	-11 45 32.66	13.9 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187173
2025 09 23.937650	14 39 21.862	-11 45 30.82	13.8 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187173
2025 09 24.49009	14 38 15.660	-11 41 29.72	13.7 V	P14 – Nedlands Observatory, Perth	MPC 187173
2025 09 24.49691	14 38 14.851	-11 41 27.02	13.5 V	P14 – Nedlands Observatory, Perth	MPC 187173
2025 09 24.50383	14 38 14.018	-11 41 24.22	13.4 V	P14 – Nedlands Observatory, Perth	MPC 187173
2025 09 24.75340	14 37 44.13	-11 39 35.9	14.2 G	194 – Tivoli	MPC 187173
2025 09 24.76647	14 37 42.55	-11 39 30.2	14.2 G	194 – Tivoli	MPC 187173
2025 09 24.77896	14 37 41.05	-11 39 24.8	14.7 G	194 – Tivoli	MPC 187173
2025 09 24.96280	14 37 19.12	-11 38 04.0	13.4 R	834 – Buenos Aires-AAAA	MPC 187173
2025 09 24.97900	14 37 17.14	-11 37 57.6	13.5 R	834 – Buenos Aires-AAAA	MPC 187173
2025 09 24.98984	14 37 15.864	-11 37 53.04	13.2 V	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 187173

2025 09 24.99544	14 37 15.187	-11 37 50.45	13.2 V	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 187173
2025 09 25.00053	14 37 14.585	-11 37 48.29	13.1 V	W96 – CAO, San Pedro de Atacama (since 2013)	MPC 187173
2025 09 25.49056	14 36 16.162	-11 34 14.52	13.5 V	P14 – Nedlands Observatory, Perth	MPC 187173
2025 09 25.49822	14 36 15.329	-11 34 10.34	13.7 V	P14 – Nedlands Observatory, Perth	MPC 187173
2025 09 26.921101	14 33 26.548	-11 23 50.12	13.5 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187173
2025 09 26.927050	14 33 25.840	-11 23 47.49	13.5 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187173
2025 09 26.932979	14 33 25.130	-11 23 44.82	13.7 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187173
2025 09 27.00275	14 33 16.76	-11 23 16.0	15.5 R	H78 – University of Narino Observatory, Pasto	MPEC U263
2025 09 27.01293	14 33 15.52	-11 23 10.4	15.5 R	H78 – University of Narino Observatory, Pasto	MPEC U263
2025 09 27.927186	14 31 27.988	-11 16 28.41	13.6 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187173
2025 09 27.929657	14 31 27.674	-11 16 27.45	13.8 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187173
2025 09 27.932262	14 31 27.396	-11 16 26.38	13.7 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPC 187173
2025 09 27.980472	14 31 21.694	-11 16 04.76		X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 187173
2025 09 27.982765	14 31 21.457	-11 16 04.03	15.1 G	X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 187173
2025 09 27.985100	14 31 21.190	-11 16 02.37		X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 187173
2025 09 29.37648	14 28 38.13	-11 05 50.0		Q62 – iTelescope Observatory, Siding Spring	MPEC X127
2025 09 29.37689	14 28 38.170	-11 05 50.39	13.8 G	E62 – Slooh.com Australia, Coonabarabran	MPC 187173
2025 09 29.37819	14 28 37.94	-11 05 49.3		Q62 – iTelescope Observatory, Siding Spring	MPEC X127
2025 09 29.37985	14 28 37.829	-11 05 48.84	14.2 G	E62 – Slooh.com Australia, Coonabarabran	MPC 187173
2025 09 29.37990	14 28 37.74	-11 05 48.8	12.2 G	Q62 – iTelescope Observatory, Siding Spring	MPEC X127
2025 10 01.47515	14 24 33.977	-10 50 20.00	12.7 V	P14 – Nedlands Observatory, Perth	MPC 187173
2025 10 01.48375	14 24 33.048	-10 50 15.40	12.4 V	P14 – Nedlands Observatory, Perth	MPC 187173
2025 10 01.909888	14 23 43.622	-10 47 06.91		Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPEC T133
2025 10 01.911631	14 23 43.445	-10 47 06.24	13.1 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPEC T133
2025 10 01.913250	14 23 43.252	-10 47 05.57	14.1 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPEC T133
2025 10 02.47509	14 22 38.220	-10 42 54.14	12.2 V	P14 – Nedlands Observatory, Perth	MPC 187173
2025 10 02.48280	14 22 37.358	-10 42 50.58	12.3 V	P14 – Nedlands Observatory, Perth	MPC 187173
2025 10 02.75606	14 22 05.72	-10 40 48.9	13.5 G	194 – Tivoli	MPC 187173
2025 10 02.75927	14 22 05.33	-10 40 47.9	13.7 G	194 – Tivoli	MPC 187174
2025 10 02.76194	14 22 04.95	-10 40 46.4	13.8 G	194 – Tivoli	MPC 187174
2025 10 02.982248	14 21 39.645	-10 39 07.06		X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 187174
2025 10 02.985809	14 21 39.254	-10 39 05.30		X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 187174
2025 10 02.989370	14 21 38.840	-10 39 03.75	13.4 G	X07 – iTelescope Deep Sky Chile, Rio Hurtado	MPC 187174
2025 10 03.388044	14 46 54.151	+35 38 57.90	11.1 G	339 – Trace Gas Orbiter	MPEC V132
2025 10 03.388391	14 46 52.713	+35 39 03.63	11.1 G	339 – Trace Gas Orbiter	MPEC V132
2025 10 03.388738	14 46 51.239	+35 39 09.86	11.1 G	339 – Trace Gas Orbiter	MPEC V132
2025 10 03.389085	14 46 49.760	+35 39 17.13	11.1 G	339 – Trace Gas Orbiter	MPEC V132
2025 10 05.902372	14 16 03.731	-10 17 07.96	13.2 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPEC T133
2025 10 05.904934	14 16 03.412	-10 17 07.52	12.7 V	Y05 – SONEAR Wykrota-CEAMIG, Serra da Piedade	MPEC T133
2025 10 05.986888	14 15 53.917	-10 16 28.87	13.4 G	W57 – ESA TBT La Silla Observatory	MPEC U263
2025 10 05.990175	14 15 53.559	-10 16 27.60	13.4 G	W57 – ESA TBT La Silla Observatory	MPEC U263

2025 10 08.992289	14 10 09.559	-09 53 26.87	12.7 G	W57 – ESA TBT La Silla Observatory	MPEC U263
2025 10 29.506897	08 53 16.508	+20 47 05.07		338 – Psyche	MPEC V132
2025 10 31.53966	13 25 15.290	-06 36 38.74	10.5 r	G37 – Lowell Discovery Telescope	MPEC V36
2025 10 31.54442	13 25 14.635	-06 36 35.60		G37 – Lowell Discovery Telescope	MPEC V36
2025 10 31.54589	13 25 14.448	-06 36 34.92		G37 – Lowell Discovery Telescope	MPEC V36
2025 11 02.12961	13 21 47.165	-06 20 21.01	11.3 G	L51 – MARGO, Nauchnyi	MPEC V36
2025 11 02.13068	13 21 46.987	-06 20 19.79	11.4 G	L51 – MARGO, Nauchnyi	MPEC V36
2025 11 02.13164	13 21 46.841	-06 20 18.56	11.5 G	L51 – MARGO, Nauchnyi	MPEC V36
2025 11 02.54010	13 20 52.798	-06 16 00.44	10.1 r	G37 – Lowell Discovery Telescope	MPEC V36
2025 11 02.54110	13 20 52.668	-06 15 59.87		G37 – Lowell Discovery Telescope	MPEC V36
2025 11 03.47637	13 18 47.870	-06 06 05.94	11.3 G	W05 – Tree Gate Farm Observatory, Starkville	MPEC V36
2025 11 03.47760	13 18 47.741	-06 06 05.83	11.4 G	W05 – Tree Gate Farm Observatory, Starkville	MPEC V36
2025 11 03.83895	13 17 59.14	-06 02 13.5	9.6 T	349 – Ageo	MPEC V132
2025 11 03.84100	13 17 58.87	-06 02 12.2		349 – Ageo	MPEC V132
2025 11 03.84304	13 17 58.59	-06 02 11.0		349 – Ageo	MPEC V132
2025 11 03.97472	13 17 40.53	-06 00 44.8	11.2 G	N86 – Xingming Observatory-KATS, Nanshan	MPEC V36
2025 11 03.98069	13 17 39.69	-06 00 40.8	11.1 G	N86 – Xingming Observatory-KATS, Nanshan	MPEC V36
2025 11 04.19406	13 17 11.11	-05 58 24.0	11.1 G	G00 – AZM Martinsberg, Oed	MPEC V36
2025 11 04.19477	13 17 11.03	-05 58 23.6	11.4 G	G00 – AZM Martinsberg, Oed	MPEC V36
2025 11 05.21582	13 14 51.926	-05 47 15.61	11.4 r	213 – Observatorio Montcabre	MPEC V132
2025 11 05.22028	13 14 51.276	-05 47 12.37	11.5 r	213 – Observatorio Montcabre	MPEC V132
2025 11 05.22422	13 14 50.729	-05 47 09.31	11.5 r	213 – Observatorio Montcabre	MPEC V132
2025 11 05.85498	13 13 23.91	-05 40 11.6	9.8 V	P87 – Hirao Observatory, Yamaguchi	MPEC V132
2025 11 05.85983	13 13 23.17	-05 40 06.7		P87 – Hirao Observatory, Yamaguchi	MPEC V132
2025 11 06.160728	13 12 41.482	-05 36 46.30	11.97 G	L54 – Berthelot Observatory, Hunedoara	MPEC V132
2025 11 06.169794	13 12 40.255	-05 36 40.18	11.90 G	L54 – Berthelot Observatory, Hunedoara	MPEC V132
2025 11 06.177350	13 12 39.137	-05 36 36.43	11.95 G	L54 – Berthelot Observatory, Hunedoara	MPEC V132
2025 11 07.20798	13 10 14.99	-05 24 55.6	11.8 r	C10 – Maisoncelles	MPEC V132
2025 11 07.21099	13 10 14.58	-05 24 53.4	11.7 r	C10 – Maisoncelles	MPEC V132
2025 11 07.21356	13 10 14.21	-05 24 51.4	11.6 r	C10 – Maisoncelles	MPEC V132
2025 11 07.21613	13 10 13.85	-05 24 49.8	11.6 r	C10 – Maisoncelles	MPEC V132
2025 11 07.21870	13 10 13.49	-05 24 48.1	11.6 r	C10 – Maisoncelles	MPEC V132
2025 11 07.22127	13 10 13.12	-05 24 46.1	11.6 r	C10 – Maisoncelles	MPEC V132
2025 11 07.22384	13 10 12.77	-05 24 44.6	11.5 r	C10 – Maisoncelles	MPEC V132
2025 11 07.22642	13 10 12.39	-05 24 42.7	11.5 r	C10 – Maisoncelles	MPEC V132
2025 11 07.22904	13 10 12.02	-05 24 40.8	11.4 r	C10 – Maisoncelles	MPEC V132
2025 11 07.23163	13 10 11.64	-05 24 39.1	11.5 r	C10 – Maisoncelles	MPEC V132
2025 11 07.839484	13 08 45.698	-05 17 39.44	12.8 G	900 – Moriyama	MPEC V132
2025 11 07.845474	13 08 44.842	-05 17 35.45	12.7 G	900 – Moriyama	MPEC V132
2025 11 07.85078	13 08 44.05	-05 17 31.8	9.7 V	P87 – Hirao Observatory, Yamaguchi	MPEC V132
2025 11 07.85542	13 08 43.35	-05 17 27.5		P87 – Hirao Observatory, Yamaguchi	MPEC V132

2025 11 07.85984	13 08 42.77	-05 17 26.1		P87 – Hirao Observatory, Yamaguchi	MPEC V132
2025 11 08.19194	13 07 55.49	-05 13 35.3	11.0 G	G00 – AZM Martinsberg, Oed	MPEC V132
2025 11 08.19357	13 07 55.24	-05 13 34.4	11.1 G	G00 – AZM Martinsberg, Oed	MPEC V132
2025 11 08.19510	13 07 55.00	-05 13 32.5	11.2 G	G00 – AZM Martinsberg, Oed	MPEC V132
2025 11 08.26096	13 07 45.607	-05 12 46.15	12.8 G	J01 – Observatorio Cielo Profundo, Leon	MPEC V132
2025 11 08.26185	13 07 45.482	-05 12 45.68	12.7 G	J01 – Observatorio Cielo Profundo, Leon	MPEC V132
2025 11 08.26274	13 07 45.377	-05 12 44.35	12.1 G	J01 – Observatorio Cielo Profundo, Leon	MPEC V132
2025 11 09.21124	13 05 29.002	-05 01 36.23	12.0 r	232 – Masquefa Observatory	MPEC V132
2025 11 09.21675	13 05 28.020	-05 01 30.43	11.6 G	970 – Chelmsford	MPEC V132
2025 11 09.21951	13 05 27.706	-05 01 29.93	12.0 r	232 – Masquefa Observatory	MPEC V132
2025 11 09.219946	13 05 27.666	-05 01 29.40	11.4 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC V132
2025 11 09.225501	13 05 26.832	-05 01 25.07	11.4 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC V132
2025 11 09.22575	13 05 26.777	-05 01 25.32	12.1 r	232 – Masquefa Observatory	MPEC V132
2025 11 09.22837	13 05 26.354	-05 01 23.84	11.7 G	970 – Chelmsford	MPEC V132
2025 11 09.230502	13 05 26.192	-05 01 21.54	11.3 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC V132
2025 11 09.23751	13 05 25.145	-05 01 17.40	11.7 V	R51 – Astrogredos Observatory, Arenas de San Pedro	MPEC V132
2025 11 09.24396	13 05 24.168	-05 01 12.40	11.5 V	R51 – Astrogredos Observatory, Arenas de San Pedro	MPEC V132
2025 11 09.25050	13 05 23.213	-05 01 08.22	11.4 V	R51 – Astrogredos Observatory, Arenas de San Pedro	MPEC V132
2025 11 10.21267	13 03 02.75	-04 49 35.0	13.4 g	M04 – Pujalt Observatory, Barcelona	MPEC V132
2025 11 10.21546	13 03 02.29	-04 49 31.1	14.0 g	M04 – Pujalt Observatory, Barcelona	MPEC V132
2025 11 10.82579	13 01 32.208	-04 42 06.34	13.7 G	Q21 – Southern Utsunomiya	MPEC V132
2025 11 10.82649	13 01 32.148	-04 42 07.74	11.2 G	Q21 – Southern Utsunomiya	MPEC V132
2025 11 10.83071	13 01 31.428	-04 42 02.23	11.5 G	Q21 – Southern Utsunomiya	MPEC V132
2025 11 10.84193	13 01 29.76	-04 41 53.8	9.7 V	P87 – Hirao Observatory, Yamaguchi	MPEC W75
2025 11 10.84753	13 01 28.94	-04 41 50.1		P87 – Hirao Observatory, Yamaguchi	MPEC W75
2025 11 10.85334	13 01 28.12	-04 41 46.1		P87 – Hirao Observatory, Yamaguchi	MPEC W75
2025 11 10.983422	13 01 08.776	-04 40 09.75	11.4 G	N56 – Jiama'erdeng Tianwentai JIST project, Ali, Tib	MPEC V132
2025 11 10.985293	13 01 08.486	-04 40 08.48	12.2 G	N56 – Jiama'erdeng Tianwentai JIST project, Ali, Tib	MPEC V132
2025 11 10.988917	13 01 07.931	-04 40 05.86	12.1 G	N56 – Jiama'erdeng Tianwentai JIST project, Ali, Tib	MPEC V132
2025 11 10.989175	13 01 07.917	-04 40 05.19	11.4 G	N56 – Jiama'erdeng Tianwentai JIST project, Ali, Tib	MPEC V132
2025 11 10.992251	13 01 07.430	-04 40 03.45	12.1 G	N56 – Jiama'erdeng Tianwentai JIST project, Ali, Tib	MPEC V132
2025 11 10.994919	13 01 07.043	-04 40 01.35	11.5 G	N56 – Jiama'erdeng Tianwentai JIST project, Ali, Tib	MPEC V132
2025 11 11.19951	13 00 36.650	-04 37 30.29	11.4 r	213 – Observatorio Montcabre	MPEC V132
2025 11 11.20407	13 00 35.916	-04 37 26.47	11.4 r	213 – Observatorio Montcabre	MPEC V132
2025 11 11.20862	13 00 35.256	-04 37 23.23	11.4 r	213 – Observatorio Montcabre	MPEC V132
2025 11 11.213940	13 00 34.385	-04 37 19.72	11.1 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC V132
2025 11 11.218385	13 00 33.738	-04 37 16.48	11.2 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC V132
2025 11 11.223200	13 00 33.048	-04 37 12.78	11.3 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC V132
2025 11 11.22513	13 00 32.68	-04 37 12.0	11.7 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC V132
2025 11 11.22650	13 00 32.49	-04 37 10.9	11.6 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC V132
2025 11 11.22787	13 00 32.28	-04 37 09.8	8.6 T	A77 – Observatoire Chante-Perdrix, Dauban	MPEC V132

2025 11 11.264282	13 00 26.892	-04 36 41.72	12.5 r	Z21 – Tenerife-LCO Aqawan A #1	MPEC V132
2025 11 11.266111	13 00 26.611	-04 36 40.32	12.5 r	Z21 – Tenerife-LCO Aqawan A #1	MPEC V132
2025 11 11.267940	13 00 26.335	-04 36 38.99	12.6 r	Z21 – Tenerife-LCO Aqawan A #1	MPEC V132
2025 11 11.41128	13 00 05.02	-04 34 50.4	11.2 R	H78 – University of Narino Observatory, Pasto	MPEC V132
2025 11 11.41230	13 00 04.89	-04 34 50.1	11.3 R	H78 – University of Narino Observatory, Pasto	MPEC V132
2025 11 11.41282	13 00 04.79	-04 34 49.7	11.2 R	H78 – University of Narino Observatory, Pasto	MPEC V132
2025 11 11.41334	13 00 04.71	-04 34 49.2	11.2 R	H78 – University of Narino Observatory, Pasto	MPEC V132
2025 11 11.41386	13 00 04.61	-04 34 48.8	11.1 R	H78 – University of Narino Observatory, Pasto	MPEC V132
2025 11 11.820934	12 59 03.343	-04 29 46.21	12.8 G	900 – Moriyama	MPEC V132
2025 11 11.82174	12 59 03.25	-04 29 45.9		D88 – Hiratsuka	MPEC X18
2025 11 11.82317	12 59 03.01	-04 29 44.9		D88 – Hiratsuka	MPEC X18
2025 11 11.82458	12 59 02.84	-04 29 44.1	9.6 T	D88 – Hiratsuka	MPEC X18
2025 11 11.825649	12 59 02.635	-04 29 43.04	13.1 G	900 – Moriyama	MPEC V132
2025 11 11.83835	12 59 00.75	-04 29 33.7		367 – Yatsuka	MPEC V132
2025 11 11.83939	12 59 00.57	-04 29 32.8		367 – Yatsuka	MPEC V132
2025 11 11.84529	12 58 59.68	-04 29 28.5		367 – Yatsuka	MPEC V132
2025 11 11.84634	12 58 59.52	-04 29 27.7	9.8 T	367 – Yatsuka	MPEC V132
2025 11 12.16821	12 58 10.84	-04 25 25.5	12.1 G	G00 – AZM Martinsberg, Oed	MPEC V132
2025 11 12.17360	12 58 10.04	-04 25 21.6	11.9 G	G00 – AZM Martinsberg, Oed	MPEC V132
2025 11 12.17947	12 58 09.15	-04 25 17.2	11.9 G	G00 – AZM Martinsberg, Oed	MPEC V132
2025 11 12.18832	12 58 07.80	-04 25 10.5	12.1 G	G00 – AZM Martinsberg, Oed	MPEC V132
2025 11 12.198414	12 58 06.268	-04 25 02.72	13.6 G	204 – Schiaparelli Observatory	MPEC X127
2025 11 12.204854	12 58 05.304	-04 24 58.41		204 – Schiaparelli Observatory	MPEC X127
2025 11 12.211294	12 58 04.296	-04 24 53.11		204 – Schiaparelli Observatory	MPEC X127
2025 11 12.23973	12 58 00.086	-04 24 30.78	12.4 G	J47 – Observatorio Nazaret	MPEC V132
2025 11 12.24968	12 57 58.577	-04 24 23.33	12.3 G	J47 – Observatorio Nazaret	MPEC V132
2025 11 12.25976	12 57 57.038	-04 24 15.73	12.4 G	J47 – Observatorio Nazaret	MPEC V132
2025 11 12.264572	12 57 56.278	-04 24 11.52	12.8 r	Z21 – Tenerife-LCO Aqawan A #1	MPEC V132
2025 11 12.266968	12 57 55.886	-04 24 09.76	12.6 r	Z21 – Tenerife-LCO Aqawan A #1	MPEC V132
2025 11 12.269375	12 57 55.469	-04 24 07.45	12.8 r	Z21 – Tenerife-LCO Aqawan A #1	MPEC V132
2025 11 12.83515	12 56 29.35	-04 16 57.1	8.9 T	D95 – Kurihara	MPEC X18
2025 11 12.83704	12 56 29.05	-04 16 55.6		D95 – Kurihara	MPEC X18
2025 11 12.83855	12 56 28.81	-04 16 55.2		D95 – Kurihara	MPEC X18
2025 11 13.199942	12 55 33.214	-04 12 18.58	11.2 j	R92 – Osterholz-Scharmbeck	MPEC W75
2025 11 13.211875	12 55 31.337	-04 12 09.68	10.9 j	R92 – Osterholz-Scharmbeck	MPEC W75
2025 11 13.213664	12 55 31.218	-04 12 06.48	11.5 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC W75
2025 11 13.21438	12 55 31.10	-04 12 05.3	12.1	C65 – Observatori Astronomic del Montsec	MPEC W75
2025 11 13.21545	12 55 30.58	-04 12 03.1	12.0	C65 – Observatori Astronomic del Montsec	MPEC W75
2025 11 13.215514	12 55 30.830	-04 12 04.68	11.6 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC W75
2025 11 13.21660	12 55 30.72	-04 12 03.9	11.3 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC V132
2025 11 13.21705	12 55 30.36	-04 12 02.1	12.2	C65 – Observatori Astronomic del Montsec	MPEC W75

2025 11 13.21876	12 55 30.31	-04 12 01.8	11.3 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC V132
2025 11 13.218838	12 55 30.098	-04 12 00.89	11.5 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC W75
2025 11 13.22073	12 55 30.06	-04 12 00.2	11.1 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC V132
2025 11 13.221032	12 55 29.906	-04 12 01.12	10.5 j	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC V132
2025 11 13.222446	12 55 29.710	-04 12 00.43	10.7 j	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC V132
2025 11 13.223889	12 55 29.494	-04 12 00.22	11.2 j	R92 – Osterholz-Scharmbeck	MPEC W75
2025 11 13.224036	12 55 29.455	-04 11 59.21	10.7 j	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC V132
2025 11 13.84119	12 53 54.02	-04 03 57.5	9.7 V	P87 – Hirao Observatory, Yamaguchi	MPEC W75
2025 11 13.84769	12 53 52.98	-04 03 52.4		P87 – Hirao Observatory, Yamaguchi	MPEC W75
2025 11 13.85545	12 53 51.75	-04 03 46.8		P87 – Hirao Observatory, Yamaguchi	MPEC W75
2025 11 13.92500	12 53 41.02	-04 02 50.6	11.8 V	O56 – Jaichalad-Pailin Observatory	MPEC W75
2025 11 13.93037	12 53 40.15	-04 02 46.6	11.8 V	O56 – Jaichalad-Pailin Observatory	MPEC W75
2025 11 13.93524	12 53 39.38	-04 02 42.8	12.3 V	O56 – Jaichalad-Pailin Observatory	MPEC W75
2025 11 14.121867	12 53 10.178	-04 00 17.17	12.12 G	L54 – Berthelot Observatory, Hunedoara	MPEC W75
2025 11 14.15232	12 53 05.43	-03 59 53.7	12.5 G	L16 – Stardreams Observatory, Valenii de Munte	MPEC W75
2025 11 14.153616	12 53 05.215	-03 59 52.98	12.12 G	L54 – Berthelot Observatory, Hunedoara	MPEC W75
2025 11 14.15579	12 53 04.90	-03 59 51.1	12.6 G	L16 – Stardreams Observatory, Valenii de Munte	MPEC W75
2025 11 14.15926	12 53 04.33	-03 59 48.5	12.6 G	L16 – Stardreams Observatory, Valenii de Munte	MPEC W75
2025 11 14.16273	12 53 03.76	-03 59 45.3	12.7 G	L16 – Stardreams Observatory, Valenii de Munte	MPEC W75
2025 11 14.180047	12 53 01.066	-03 59 31.96	12.20 G	L54 – Berthelot Observatory, Hunedoara	MPEC W75
2025 11 14.200475	12 52 57.878	-03 59 15.97	12.3 r	215 – Buchloe	MPEC W75
2025 11 14.204109	12 52 57.283	-03 59 12.98	12.3 r	215 – Buchloe	MPEC W75
2025 11 14.208009	12 52 56.726	-03 59 09.96	12.3 r	215 – Buchloe	MPEC W75
2025 11 14.830150	12 51 18.816	-03 50 54.85	12.8 V	Q14 – Goto Astronomical Observatory in Yatsugatake	MPEC W130
2025 11 14.83176	12 51 18.59	-03 50 54.3	10.1 T	D95 – Kurihara	MPEC X127
2025 11 14.83404	12 51 18.25	-03 50 52.5		D95 – Kurihara	MPEC X127
2025 11 14.83480	12 51 18.10	-03 50 51.6		D95 – Kurihara	MPEC X127
2025 11 14.836562	12 51 17.760	-03 50 50.06	12.8 V	Q14 – Goto Astronomical Observatory in Yatsugatake	MPEC W130
2025 11 14.91794	12 51 05.00	-03 49 43.7	12.2 V	O56 – Jaichalad-Pailin Observatory	MPEC W75
2025 11 14.92325	12 51 04.15	-03 49 39.5	11.9 V	O56 – Jaichalad-Pailin Observatory	MPEC W75
2025 11 14.92846	12 51 03.30	-03 49 35.1	11.9 V	O56 – Jaichalad-Pailin Observatory	MPEC W75
2025 11 15.199826	12 50 20.194	-03 45 58.54	12.0 r	213 – Observatorio Montcabre	MPEC W75
2025 11 15.217731	12 50 17.318	-03 45 43.92	12.1 r	213 – Observatorio Montcabre	MPEC W75
2025 11 15.234074	12 50 14.813	-03 45 30.92	12.5 G	J47 – Observatorio Nazaret	MPEC W75
2025 11 15.235266	12 50 14.518	-03 45 29.59	12.0 r	213 – Observatorio Montcabre	MPEC W75
2025 11 15.239803	12 50 13.812	-03 45 25.92	12.5 G	J47 – Observatorio Nazaret	MPEC W75
2025 11 15.245347	12 50 12.842	-03 45 21.10	12.6 G	J47 – Observatorio Nazaret	MPEC W75
2025 11 15.257019	12 50 11.074	-03 45 11.70	12.9 G	G40 – Slooh.com Canary Islands Observatory	MPEC W75
2025 11 15.259062	12 50 10.783	-03 45 09.83	11.9 G	G40 – Slooh.com Canary Islands Observatory	MPEC W75
2025 11 15.260102	12 50 10.582	-03 45 09.22	12.9 G	G40 – Slooh.com Canary Islands Observatory	MPEC W75
2025 11 15.263941	12 50 09.965	-03 45 05.94	12.8 G	G40 – Slooh.com Canary Islands Observatory	MPEC W75

2025 11 15.265428	12 50 09.758	-03 45 04.82	11.9 G	G40 – Slooh.com Canary Islands Observatory	MPEC W75
2025 11 15.834537	12 48 38.556	-03 37 22.91	13.3 V	Q14 – Goto Astronomical Observatory in Yatsugatake	MPEC W130
2025 11 15.841076	12 48 37.531	-03 37 18.05	12.9 V	Q14 – Goto Astronomical Observatory in Yatsugatake	MPEC W130
2025 11 15.84583	12 48 36.78	-03 37 14.2		367 – Yatsuka	MPEC W75
2025 11 15.84867	12 48 36.32	-03 37 11.8		367 – Yatsuka	MPEC W75
2025 11 15.85150	12 48 35.86	-03 37 09.5	9.8 T	367 – Yatsuka	MPEC W75
2025 11 15.908889	12 48 26.635	-03 36 20.99	12.1 G	O51 – Akin Observatory, Rayong	MPEC W75
2025 11 15.920556	12 48 24.864	-03 36 12.10	12.1 G	O51 – Akin Observatory, Rayong	MPEC W75
2025 11 15.92331	12 48 24.34	-03 36 09.6	12.0 V	O56 – Jaichalad-Pailin Observatory	MPEC W75
2025 11 15.92561	12 48 23.96	-03 36 07.8	11.9 V	O56 – Jaichalad-Pailin Observatory	MPEC W75
2025 11 15.92792	12 48 23.58	-03 36 05.8	12.0 V	O56 – Jaichalad-Pailin Observatory	MPEC W75
2025 11 15.932905	12 48 22.855	-03 36 02.56	12.1 G	O51 – Akin Observatory, Rayong	MPEC W75
2025 11 16.112002	12 47 53.767	-03 33 36.97	11.1 R	A98 – Observatory Mazzarot-1, Baran'	MPEC W75
2025 11 16.112396	12 47 53.700	-03 33 36.47	11.0 R	A98 – Observatory Mazzarot-1, Baran'	MPEC W75
2025 11 16.113553	12 47 53.518	-03 33 35.46	11.0 R	A98 – Observatory Mazzarot-1, Baran'	MPEC W75
2025 11 16.113947	12 47 53.462	-03 33 35.39	11.2 R	A98 – Observatory Mazzarot-1, Baran'	MPEC W75
2025 11 16.114329	12 47 53.388	-03 33 34.92	11.2 R	A98 – Observatory Mazzarot-1, Baran'	MPEC W75
2025 11 16.114722	12 47 53.321	-03 33 34.42	11.2 R	A98 – Observatory Mazzarot-1, Baran'	MPEC W75
2025 11 16.115498	12 47 53.210	-03 33 34.16	11.0 R	A98 – Observatory Mazzarot-1, Baran'	MPEC W75
2025 11 16.115880	12 47 53.117	-03 33 33.41	10.9 R	A98 – Observatory Mazzarot-1, Baran'	MPEC W75
2025 11 16.116655	12 47 53.016	-03 33 33.16	11.0 R	A98 – Observatory Mazzarot-1, Baran'	MPEC W75
2025 11 16.117049	12 47 52.944	-03 33 32.36	11.2 R	A98 – Observatory Mazzarot-1, Baran'	MPEC W75
2025 11 16.117431	12 47 52.889	-03 33 32.44	11.0 R	A98 – Observatory Mazzarot-1, Baran'	MPEC W75
2025 11 16.118600	12 47 52.726	-03 33 31.00	11.0 R	A98 – Observatory Mazzarot-1, Baran'	MPEC W75
2025 11 16.118981	12 47 52.651	-03 33 30.89	11.1 R	A98 – Observatory Mazzarot-1, Baran'	MPEC W75
2025 11 16.121319	12 47 52.267	-03 33 29.38	11.1 R	A98 – Observatory Mazzarot-1, Baran'	MPEC W75
2025 11 16.18519	12 47 41.97	-03 32 35.9	12.4 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPEC W75
2025 11 16.18975	12 47 41.24	-03 32 32.2	12.1 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPEC W75
2025 11 16.19436	12 47 40.50	-03 32 28.2	12.0 V	C82 – Osservatorio Astronomico Nastro Verde, Sorrento	MPEC X35
2025 11 16.207970	12 47 38.263	-03 32 17.99	11.3 j	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC W75
2025 11 16.210090	12 47 37.918	-03 32 16.19	11.3 j	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC W75
2025 11 16.212209	12 47 37.572	-03 32 14.46	11.3 j	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC W75
2025 11 16.264536	12 47 29.150	-03 31 30.11	12.4 G	G40 – Slooh.com Canary Islands Observatory	MPEC W75
2025 11 16.267410	12 47 28.685	-03 31 27.77	12.4 G	G40 – Slooh.com Canary Islands Observatory	MPEC W75
2025 11 16.271014	12 47 28.094	-03 31 24.82	12.3 G	G40 – Slooh.com Canary Islands Observatory	MPEC W75
2025 11 16.81367	12 45 59.76	-03 23 54.6		D95 – Kurihara	MPEC X127
2025 11 16.81465	12 45 59.60	-03 23 53.8		D95 – Kurihara	MPEC X127
2025 11 16.82009	12 45 58.70	-03 23 49.4	10.0 T	D95 – Kurihara	MPEC X127
2025 11 16.834213	12 45 56.338	-03 23 37.90	12.9 V	Q14 – Goto Astronomical Observatory in Yatsugatake	MPEC X18
2025 11 16.840625	12 45 55.308	-03 23 32.57	13.0 V	Q14 – Goto Astronomical Observatory in Yatsugatake	MPEC X18
2025 11 17.14310	12 45 05.660	-03 19 19.46	11.1 G	095 – Crimea-Nauchnyi	MPEC W130

2025 11 17.14334	12 45 05.536	-03 19 18.57	11.1 G	095 – Crimea-Nauchnyi	MPEC W130
2025 11 17.14550	12 45 05.284	-03 19 17.22	11.1 G	095 – Crimea-Nauchnyi	MPEC W130
2025 11 17.14921	12 45 04.646	-03 19 13.94	11.1 G	095 – Crimea-Nauchnyi	MPEC W130
2025 11 17.15179	12 45 04.216	-03 19 12.37	11.1 G	095 – Crimea-Nauchnyi	MPEC W130
2025 11 17.15526	12 45 03.626	-03 19 08.82	11.1 G	095 – Crimea-Nauchnyi	MPEC W130
2025 11 17.15834	12 45 03.092	-03 19 06.29	11.1 G	095 – Crimea-Nauchnyi	MPEC W130
2025 11 17.197072	12 44 56.722	-03 18 34.09	12.3 G	232 – Masquefa Observatory	MPEC W75
2025 11 17.199178	12 44 56.429	-03 18 31.93	11.5 r	A06 – Mataro	MPEC W75
2025 11 17.201516	12 44 55.992	-03 18 30.06	12.3 G	232 – Masquefa Observatory	MPEC W75
2025 11 17.20337	12 44 55.73	-03 18 29.4	11.8 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC W75
2025 11 17.205961	12 44 55.272	-03 18 26.68	12.3 G	232 – Masquefa Observatory	MPEC W75
2025 11 17.209491	12 44 54.734	-03 18 23.44	11.7 r	A06 – Mataro	MPEC W75
2025 11 17.21198	12 44 54.30	-03 18 21.8	11.8 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC W75
2025 11 17.219769	12 44 53.038	-03 18 15.12	11.7 r	A06 – Mataro	MPEC W75
2025 11 17.22036	12 44 52.91	-03 18 14.6	11.9 R	L27 – 29PREMOTE Observatory, Dauban	MPEC W75
2025 11 17.22062	12 44 52.86	-03 18 14.2	11.8 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC W75
2025 11 17.22430	12 44 52.25	-03 18 11.3	11.9 R	L27 – 29PREMOTE Observatory, Dauban	MPEC W75
2025 11 17.22824	12 44 51.60	-03 18 08.0	11.9 R	L27 – 29PREMOTE Observatory, Dauban	MPEC W75
2025 11 17.83765	12 43 10.67	-03 09 31.0	9.8 V	P87 – Hirao Observatory, Yamaguchi	MPEC W130
2025 11 17.84377	12 43 09.64	-03 09 25.9		P87 – Hirao Observatory, Yamaguchi	MPEC W130
2025 11 17.84992	12 43 08.63	-03 09 20.3		P87 – Hirao Observatory, Yamaguchi	MPEC W130
2025 11 17.92417	12 42 56.19	-03 08 16.0	12.4 g	O40 – Xingyuan, Daocheng	MPEC W75
2025 11 17.93154	12 42 54.95	-03 08 09.8	12.4 g	O40 – Xingyuan, Daocheng	MPEC W75
2025 11 17.93838	12 42 53.80	-03 08 03.9	12.4 g	O40 – Xingyuan, Daocheng	MPEC W75
2025 11 18.12865	12 42 22.00	-03 05 22.5	12.5 G	C40 – Kuban State University Astrophysical Observato	MPEC W75
2025 11 18.13565	12 42 20.81	-03 05 16.4	12.5 G	C40 – Kuban State University Astrophysical Observato	MPEC W75
2025 11 18.14259	12 42 19.64	-03 05 10.3	12.5 G	C40 – Kuban State University Astrophysical Observato	MPEC W75
2025 11 18.15618	12 42 17.37	-03 04 59.5	12.5 G	A71 – Stixendorf	MPEC W75
2025 11 18.15889	12 42 16.92	-03 04 56.9	12.4 G	A71 – Stixendorf	MPEC W75
2025 11 18.16131	12 42 16.50	-03 04 54.9	12.5 G	A71 – Stixendorf	MPEC W75
2025 11 18.181403	12 42 13.159	-03 04 37.34	11.4 j	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC W75
2025 11 18.184907	12 42 12.586	-03 04 34.39	11.3 j	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC W75
2025 11 18.188409	12 42 12.010	-03 04 30.97	11.3 j	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC W75
2025 11 18.191912	12 42 11.419	-03 04 28.16	11.3 j	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC W75
2025 11 18.195418	12 42 10.790	-03 04 24.78	11.4 j	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC W75
2025 11 18.197095	12 42 10.546	-03 04 22.04	11.1 j	R51 – Astrogredos Observatory, Arenas de San Pedro	MPEC W75
2025 11 18.197708	12 42 10.430	-03 04 23.56	12.1 G	970 – Chelmsford	MPEC W130
2025 11 18.200046	12 42 10.090	-03 04 22.19	12.0 G	970 – Chelmsford	MPEC W130
2025 11 18.21617	12 42 07.35	-03 04 07.3	11.9 R	C10 – Maisoncelles	MPEC W75
2025 11 18.218449	12 42 07.015	-03 04 04.84	11.0 j	R51 – Astrogredos Observatory, Arenas de San Pedro	MPEC W75
2025 11 18.22003	12 42 06.70	-03 04 04.0	11.9 R	C10 – Maisoncelles	MPEC W75

2025 11 18.22367	12 42 06.09	-03 04 00.9	11.8 R	C10 – Maisoncelles	MPEC W75
2025 11 18.22713	12 42 05.50	-03 03 57.9	11.8 R	C10 – Maisoncelles	MPEC W75
2025 11 18.23059	12 42 04.92	-03 03 55.0	11.8 R	C10 – Maisoncelles	MPEC W75
2025 11 18.239433	12 42 03.518	-03 03 47.41	10.9 j	R51 – Astrogredos Observatory, Arenas de San Pedro	MPEC W75
2025 11 18.243102	12 42 02.880	-03 03 43.31	12.1 r	J37 – Huelva	MPEC W75
2025 11 18.258831	12 42 00.199	-03 03 30.17	12.2 r	J37 – Huelva	MPEC W75
2025 11 18.260289	12 41 59.969	-03 03 28.51	12.3 r	J37 – Huelva	MPEC W75
2025 11 18.262847	12 41 59.539	-03 03 26.53	12.4 r	J37 – Huelva	MPEC W75
2025 11 18.816852	12 40 26.129	-02 55 26.76	12.2 G	Q21 – Southern Utsunomiya	MPEC W130
2025 11 18.821111	12 40 25.385	-02 55 22.73	13.0 V	Q14 – Goto Astronomical Observatory in Yatsugatake	MPEC X18
2025 11 18.822303	12 40 25.253	-02 55 20.68	12.2 G	Q21 – Southern Utsunomiya	MPEC W130
2025 11 18.826505	12 40 24.583	-02 55 18.23	9.9 G	Q21 – Southern Utsunomiya	MPEC W130
2025 11 18.841748	12 40 21.869	-02 55 04.58	13.1 V	Q14 – Goto Astronomical Observatory in Yatsugatake	MPEC X18
2025 11 19.18258	12 39 23.83	-02 50 06.7	12.6 G	A71 – Stixendorf	MPEC W75
2025 11 19.19061	12 39 22.45	-02 49 59.7	12.6 G	A71 – Stixendorf	MPEC W75
2025 11 19.191115	12 39 22.433	-02 49 58.79	11.7 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC W75
2025 11 19.196112	12 39 21.591	-02 49 54.24	11.7 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC W75
2025 11 19.19795	12 39 21.19	-02 49 53.1	12.8 G	A71 – Stixendorf	MPEC W75
2025 11 19.200924	12 39 20.767	-02 49 50.01	11.7 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC W75
2025 11 19.213287	12 39 18.626	-02 49 39.07	12.6 r	232 – Masquefa Observatory	MPEC W75
2025 11 19.216736	12 39 18.072	-02 49 35.62	12.2 r	213 – Observatorio Montcabre	MPEC W75
2025 11 19.22027	12 39 17.45	-02 49 33.5	11.9 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC W75
2025 11 19.22358	12 39 16.86	-02 49 30.7	11.8 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC W75
2025 11 19.224826	12 39 16.651	-02 49 29.03	12.5 r	232 – Masquefa Observatory	MPEC W75
2025 11 19.228345	12 39 16.078	-02 49 25.54	12.3 r	213 – Observatorio Montcabre	MPEC W75
2025 11 19.235926	12 39 14.743	-02 49 19.02	12.6 r	232 – Masquefa Observatory	MPEC W75
2025 11 19.239456	12 39 14.167	-02 49 15.89	12.2 r	213 – Observatorio Montcabre	MPEC W75
2025 11 19.814352	12 37 35.489	-02 40 47.24	13.1 V	Q14 – Goto Astronomical Observatory in Yatsugatake	MPEC X18
2025 11 19.827882	12 37 33.139	-02 40 35.33	13.2 V	Q14 – Goto Astronomical Observatory in Yatsugatake	MPEC X18
2025 11 20.16962	12 36 33.90	-02 35 29.4	12.7 G	A71 – Stixendorf	MPEC W75
2025 11 20.17459	12 36 33.04	-02 35 25.0	12.5 G	A71 – Stixendorf	MPEC W75
2025 11 20.17955	12 36 32.17	-02 35 20.5	12.5 G	A71 – Stixendorf	MPEC W75
2025 11 20.182465	12 36 31.747	-02 35 17.70	11.3 j	R51 – Astrogredos Observatory, Arenas de San Pedro	MPEC W75
2025 11 20.18450	12 36 31.31	-02 35 16.1	12.5 G	A71 – Stixendorf	MPEC W75
2025 11 20.209219	12 36 27.067	-02 34 53.51	11.7 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC W75
2025 11 20.209433	12 36 27.022	-02 34 53.15	11.1 j	R51 – Astrogredos Observatory, Arenas de San Pedro	MPEC W75
2025 11 20.214212	12 36 26.198	-02 34 48.99	11.7 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC W75
2025 11 20.219021	12 36 25.352	-02 34 44.59	11.7 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC W75
2025 11 20.236389	12 36 22.310	-02 34 28.85	11.0 j	R51 – Astrogredos Observatory, Arenas de San Pedro	MPEC W75
2025 11 20.239086	12 36 21.864	-02 34 26.69	12.4 r	R50 – Obsservatorio astronomico Orion	MPEC W75
2025 11 20.240220	12 36 21.554	-02 34 23.88	12.5 r	R50 – Obsservatorio astronomico Orion	MPEC W75

2025 11 20.241354	12 36 21.456	-02 34 24.67	12.2 r	R50 – Obsservatorio astronomico Orion	MPEC W75
2025 11 20.26770	12 36 16.90	-02 34 00.5	12.3 G	Z21 – Tenerife-LCO Aqawan A #1	MPEC W130
2025 11 20.26912	12 36 16.66	-02 33 59.4	12.3 G	Z21 – Tenerife-LCO Aqawan A #1	MPEC W130
2025 11 20.27053	12 36 16.40	-02 33 57.8	12.3 G	Z21 – Tenerife-LCO Aqawan A #1	MPEC W130
2025 11 20.77368	12 34 48.45	-02 26 21.5		903 – Fukuchiyama and Kannabe	MPEC X127
2025 11 20.78240	12 34 46.98	-02 26 13.5	10.2 T	903 – Fukuchiyama and Kannabe	MPEC X127
2025 11 20.79157	12 34 45.36	-02 26 06.0		903 – Fukuchiyama and Kannabe	MPEC X127
2025 11 20.818380	12 34 40.493	-02 25 41.30	13.3 V	Q14 – Goto Astronomical Observatory in Yatsugatake	MPEC X18
2025 11 20.831910	12 34 38.162	-02 25 29.60	13.2 V	Q14 – Goto Astronomical Observatory in Yatsugatake	MPEC X18
2025 11 21.07049	12 33 56.14	-02 21 52.1	11.1 G	D04 – Krasnodar	MPEC X18
2025 11 21.07915	12 33 54.58	-02 21 43.9	11.1 G	D04 – Krasnodar	MPEC X18
2025 11 21.08181	12 33 54.13	-02 21 41.5	12.7 G	C40 – Kuban State University Astrophysical Observato	MPEC W130
2025 11 21.08782	12 33 53.02	-02 21 35.7	11.1 G	D04 – Krasnodar	MPEC X18
2025 11 21.08925	12 33 52.81	-02 21 34.7	12.7 G	C40 – Kuban State University Astrophysical Observato	MPEC W130
2025 11 21.09669	12 33 51.48	-02 21 27.8	12.7 G	C40 – Kuban State University Astrophysical Observato	MPEC W130
2025 11 21.10542	12 33 49.93	-02 21 19.9	12.7 G	C40 – Kuban State University Astrophysical Observato	MPEC W130
2025 11 21.11431	12 33 48.35	-02 21 11.7	12.7 G	C40 – Kuban State University Astrophysical Observato	MPEC W130
2025 11 21.11794	12 33 47.72	-02 21 08.4	11.1 G	D04 – Krasnodar	MPEC X18
2025 11 21.12323	12 33 46.77	-02 21 03.7	12.7 G	C40 – Kuban State University Astrophysical Observato	MPEC W130
2025 11 21.12661	12 33 46.17	-02 21 00.5	11.1 G	D04 – Krasnodar	MPEC X18
2025 11 21.13530	12 33 44.62	-02 20 52.4	11.1 G	D04 – Krasnodar	MPEC X18
2025 11 21.181481	12 33 36.470	-02 20 10.54	12.3 j	R92 – Osterholz-Scharmbeck	MPEC W130
2025 11 21.199155	12 33 33.331	-02 19 54.41	12.2 j	R92 – Osterholz-Scharmbeck	MPEC W130
2025 11 21.216343	12 33 30.271	-02 19 38.57	12.2 j	R92 – Osterholz-Scharmbeck	MPEC W130
2025 11 21.225728	12 33 28.64	-02 19 29.4	10.4 G	Z92 – Almalex Observatory, Leeds	MPEC W75
2025 11 21.230832	12 33 27.71	-02 19 25.3	10.7 G	Z92 – Almalex Observatory, Leeds	MPEC W75
2025 11 21.236999	12 33 26.62	-02 19 19.4	10.1 G	Z92 – Almalex Observatory, Leeds	MPEC W75
2025 11 21.243709	12 33 25.44	-02 19 13.1	10.7 G	Z92 – Almalex Observatory, Leeds	MPEC W75
2025 11 21.250735	12 33 24.19	-02 19 06.6	10.8 G	Z92 – Almalex Observatory, Leeds	MPEC W75
2025 11 21.818912	12 31 42.979	-02 10 19.52	13.3 V	Q14 – Goto Astronomical Observatory in Yatsugatake	MPEC X18
2025 11 21.832917	12 31 40.490	-02 10 06.71	13.3 V	Q14 – Goto Astronomical Observatory in Yatsugatake	MPEC X18
2025 11 21.85390	12 31 36.75	-02 09 46.9	10.0 V	P87 – Hirao Observatory, Yamaguchi	MPEC W130
2025 11 21.86000	12 31 35.65	-02 09 41.3		P87 – Hirao Observatory, Yamaguchi	MPEC W130
2025 11 21.86512	12 31 34.73	-02 09 36.5		P87 – Hirao Observatory, Yamaguchi	MPEC W130
2025 11 21.897720	12 31 29.018	-02 09 04.07	12.4 G	O51 – Akin Observatory, Rayong	MPEC W130
2025 11 21.917627	12 31 25.306	-02 08 45.85	12.5 G	O51 – Akin Observatory, Rayong	MPEC W130
2025 11 21.937627	12 31 21.698	-02 08 27.02	12.5 G	O51 – Akin Observatory, Rayong	MPEC W130
2025 11 22.175671	12 30 38.933	-02 04 46.16	11.3 G	R51 – Astrogredos Observatory, Arenas de San Pedro	MPEC W130
2025 11 22.178368	12 30 38.390	-02 04 44.29	12.6 c	C23 – Olmen	MPEC W130
2025 11 22.182604	12 30 37.637	-02 04 40.22	12.5 c	C23 – Olmen	MPEC W130
2025 11 22.187303	12 30 36.778	-02 04 35.76	12.5 c	C23 – Olmen	MPEC W130

2025 11 22.189172	12 30 36.432	-02 04 33.82	12.7 j	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC W130
2025 11 22.191975	12 30 35.930	-02 04 31.40	12.7 j	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC W130
2025 11 22.192002	12 30 35.926	-02 04 31.37	12.6 c	C23 – Olmen	MPEC W130
2025 11 22.194777	12 30 35.422	-02 04 28.67	12.7 j	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC W130
2025 11 22.195764	12 30 35.246	-02 04 27.66	12.5 c	C23 – Olmen	MPEC W130
2025 11 22.197579	12 30 34.920	-02 04 26.11	12.6 j	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC W130
2025 11 22.200382	12 30 34.409	-02 04 23.48	12.7 j	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC W130
2025 11 22.201118	12 30 34.334	-02 04 22.27	11.9 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC W130
2025 11 22.203185	12 30 33.895	-02 04 20.82	12.6 j	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC W130
2025 11 22.205988	12 30 33.394	-02 04 18.19	12.6 j	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC W130
2025 11 22.206119	12 30 33.433	-02 04 17.41	11.9 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC W130
2025 11 22.208391	12 30 33.005	-02 04 15.35	11.1 G	R51 – Astrogredos Observatory, Arenas de San Pedro	MPEC W130
2025 11 22.208791	12 30 32.887	-02 04 15.56	12.7 j	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC W130
2025 11 22.209931	12 30 32.671	-02 04 14.52	12.0 V	R92 – Osterholz-Scharmbeck	MPEC W130
2025 11 22.210935	12 30 32.550	-02 04 12.89	11.9 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC W130
2025 11 22.211243	12 30 32.438	-02 04 13.33	12.6 j	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC W130
2025 11 22.213346	12 30 32.052	-02 04 11.24	12.6 j	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC W130
2025 11 22.21411	12 30 31.95	-02 04 10.6	12.6 r	C10 – Maisoncelles	MPEC W130
2025 11 22.21925	12 30 31.02	-02 04 05.7	12.4 r	C10 – Maisoncelles	MPEC W130
2025 11 22.219838	12 30 31.001	-02 04 04.69	12.2 G	Z10 – PGC, Fregenal de la Sierra	MPEC X18
2025 11 22.220451	12 30 30.802	-02 04 04.26	13.4 G	J01 – Observatorio Cielo Profundo, Leon	MPEC W130
2025 11 22.223623	12 30 30.190	-02 04 01.67	11.9 V	R92 – Osterholz-Scharmbeck	MPEC W130
2025 11 22.22440	12 30 30.08	-02 04 00.8	12.2 r	C10 – Maisoncelles	MPEC W130
2025 11 22.227569	12 30 29.584	-02 03 57.66	12.3 G	Z10 – PGC, Fregenal de la Sierra	MPEC X18
2025 11 22.22954	12 30 29.15	-02 03 56.0	12.5 r	C10 – Maisoncelles	MPEC W130
2025 11 22.233137	12 30 28.474	-02 03 52.06	13.5 G	J01 – Observatorio Cielo Profundo, Leon	MPEC W130
2025 11 22.23469	12 30 28.21	-02 03 51.3	12.9 r	C10 – Maisoncelles	MPEC W130
2025 11 22.235590	12 30 28.138	-02 03 50.01	12.3 G	Z10 – PGC, Fregenal de la Sierra	MPEC X18
2025 11 22.236007	12 30 27.982	-02 03 49.36	11.0 G	R51 – Astrogredos Observatory, Arenas de San Pedro	MPEC W130
2025 11 22.237292	12 30 27.689	-02 03 48.74	11.9 V	R92 – Osterholz-Scharmbeck	MPEC W130
2025 11 22.245856	12 30 26.242	-02 03 40.25	13.5 G	J01 – Observatorio Cielo Profundo, Leon	MPEC W130
2025 11 22.508669	12 29 38.690	-01 59 31.56	13.2 r	V38 – McDonald Observatory-LCO ELP Aqawan A #1	MPEC X18
2025 11 22.510440	12 29 38.395	-01 59 30.01	13.2 r	V38 – McDonald Observatory-LCO ELP Aqawan A #1	MPEC X18
2025 11 22.512199	12 29 38.050	-01 59 28.18	13.3 r	V38 – McDonald Observatory-LCO ELP Aqawan A #1	MPEC X18
2025 11 22.516852	12 29 37.234	-01 59 23.50	11.4 G	V16 – Dark Sky New Mexico, Animas	MPEC W130
2025 11 22.520891	12 29 36.504	-01 59 19.68	11.4 G	V16 – Dark Sky New Mexico, Animas	MPEC W130
2025 11 22.525289	12 29 35.686	-01 59 15.36	11.4 G	V16 – Dark Sky New Mexico, Animas	MPEC W130
2025 11 22.529687	12 29 34.886	-01 59 11.04	11.4 G	V16 – Dark Sky New Mexico, Animas	MPEC W130
2025 11 22.53995	12 29 32.99	-01 59 02.2	12.6 G	U94 – iTelescope Observatory, Beryl Junction	MPEC W130
2025 11 22.54480	12 29 32.09	-01 58 57.6	12.8 G	U94 – iTelescope Observatory, Beryl Junction	MPEC W130
2025 11 22.54966	12 29 31.21	-01 58 53.0	13.0 G	U94 – iTelescope Observatory, Beryl Junction	MPEC W130

2025 11 22.55371	12 29 30.48	-01 58 49.0		U94 – iTelescope Observatory, Beryl Junction	MPEC W130
2025 11 22.811852	12 28 43.510	-01 54 43.63	13.4 V	Q14 – Goto Astronomical Observatory in Yatsugatake	MPEC X35
2025 11 22.825417	12 28 41.035	-01 54 31.14	13.4 V	Q14 – Goto Astronomical Observatory in Yatsugatake	MPEC X35
2025 11 22.84702	12 28 37.11	-01 54 10.3		367 – Yatsuka	MPEC X18
2025 11 22.84965	12 28 36.63	-01 54 07.8		367 – Yatsuka	MPEC X18
2025 11 22.85127	12 28 36.33	-01 54 06.2	10.0 T	367 – Yatsuka	MPEC X18
2025 11 23.12562	12 27 46.09	-01 49 45.1	11.6 N	152 – Moletai Astronomical Observatory	MPEC X127
2025 11 23.13208	12 27 44.93	-01 49 39.0	11.6 N	152 – Moletai Astronomical Observatory	MPEC X127
2025 11 23.13814	12 27 43.80	-01 49 33.4	11.6 N	152 – Moletai Astronomical Observatory	MPEC X127
2025 11 23.173785	12 27 37.207	-01 48 58.97	18.5 G	D47 – BigBang Observatory, Manciano	MPEC W130
2025 11 23.179086	12 27 36.334	-01 48 53.17	19.0 G	D47 – BigBang Observatory, Manciano	MPEC W130
2025 11 23.184375	12 27 35.218	-01 48 48.56	18.6 G	D47 – BigBang Observatory, Manciano	MPEC W130
2025 11 23.190579	12 27 34.246	-01 48 41.94	20.4 G	D47 – BigBang Observatory, Manciano	MPEC W130
2025 11 23.202826	12 27 31.919	-01 48 29.98	11.9 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC W130
2025 11 23.207833	12 27 30.994	-01 48 25.12	11.8 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC W130
2025 11 23.212657	12 27 30.095	-01 48 20.46	11.8 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC W130
2025 11 23.21879	12 27 28.94	-01 48 14.9	12.6 r	L27 – 29PREMOTE Observatory, Dauban	MPEC W130
2025 11 23.22155	12 27 28.43	-01 48 12.3	12.6 r	L27 – 29PREMOTE Observatory, Dauban	MPEC W130
2025 11 23.22430	12 27 27.92	-01 48 09.6	12.6 r	L27 – 29PREMOTE Observatory, Dauban	MPEC W130
2025 11 23.22706	12 27 27.41	-01 48 07.0	12.6 r	L27 – 29PREMOTE Observatory, Dauban	MPEC W130
2025 11 23.22961	12 27 26.94	-01 48 04.5	12.6 r	L27 – 29PREMOTE Observatory, Dauban	MPEC W130
2025 11 23.23198	12 27 26.50	-01 48 02.2	12.6 r	L27 – 29PREMOTE Observatory, Dauban	MPEC W130
2025 11 23.789988	12 25 43.445	-01 39 01.98	11.4 G	Q21 – Southern Utsunomiya	MPEC W130
2025 11 23.795231	12 25 42.458	-01 38 56.65	13.0 G	Q21 – Southern Utsunomiya	MPEC W130
2025 11 23.799722	12 25 41.602	-01 38 52.44	12.9 G	Q21 – Southern Utsunomiya	MPEC W130
2025 11 24.09567	12 24 46.37	-01 34 03.9	12.9 G	C40 – Kuban State University Astrophysical Observato	MPEC X18
2025 11 24.10017	12 24 45.55	-01 33 59.9	12.9 G	C40 – Kuban State University Astrophysical Observato	MPEC X18
2025 11 24.10466	12 24 44.68	-01 33 55.6	12.8 G	C40 – Kuban State University Astrophysical Observato	MPEC X18
2025 11 24.164965	12 24 33.439	-01 32 55.61	12.6 R	C23 – Olmen	MPEC X18
2025 11 24.169861	12 24 32.518	-01 32 51.32	12.6 R	C23 – Olmen	MPEC X18
2025 11 24.174769	12 24 31.589	-01 32 46.32	12.6 R	C23 – Olmen	MPEC X18
2025 11 24.431123	12 23 43.474	-01 28 33.28	12.9 G	W62 – Comet Hunter Observatory2, New Ringgold	MPEC X18
2025 11 24.438137	12 23 42.149	-01 28 26.44	12.9 G	W62 – Comet Hunter Observatory2, New Ringgold	MPEC X18
2025 11 24.445139	12 23 40.819	-01 28 19.45	13.0 G	W62 – Comet Hunter Observatory2, New Ringgold	MPEC X18
2025 11 24.513597	12 23 27.972	-01 27 11.66	14.16 G	V39 – McDonald Observatory-LCO ELP B	MPEC W130
2025 11 24.515348	12 23 27.643	-01 27 09.79	14.11 G	V39 – McDonald Observatory-LCO ELP B	MPEC W130
2025 11 24.517097	12 23 27.319	-01 27 08.03	14.17 G	V39 – McDonald Observatory-LCO ELP B	MPEC W130
2025 11 24.520588	12 23 26.657	-01 27 04.64	14.12 G	V39 – McDonald Observatory-LCO ELP B	MPEC W130
2025 11 24.549233	12 23 21.294	-01 26 37.03	11.8 R	U94 – iTelescope Observatory, Beryl Junction	MPEC X18
2025 11 24.551370	12 23 20.836	-01 26 35.06		U94 – iTelescope Observatory, Beryl Junction	MPEC X18
2025 11 24.552235	12 23 20.694	-01 26 33.64		U94 – iTelescope Observatory, Beryl Junction	MPEC X18

2025 11 25.191667	12 21 19.334	-01 15 56.92	13.3 G	I81 – Tarbatness Observatory, Portmahomack	MPEC W130
2025 11 25.194491	12 21 18.787	-01 15 53.82	13.3 G	I81 – Tarbatness Observatory, Portmahomack	MPEC W130
2025 11 25.197326	12 21 18.262	-01 15 51.34	13.4 G	I81 – Tarbatness Observatory, Portmahomack	MPEC W130
2025 11 25.21239	12 21 15.39	-01 15 35.9	12.1 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC W130
2025 11 25.21859	12 21 14.20	-01 15 29.2	12.1 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC W130
2025 11 25.22464	12 21 13.02	-01 15 22.7	12.1 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC W130
2025 11 25.497112	12 20 20.927	-01 10 47.68	14.22 G	V37 – McDonald Observatory-LCO ELP	MPEC X18
2025 11 25.498856	12 20 20.610	-01 10 46.03	14.23 G	V37 – McDonald Observatory-LCO ELP	MPEC X18
2025 11 25.500605	12 20 20.261	-01 10 44.34	14.25 G	V37 – McDonald Observatory-LCO ELP	MPEC X18
2025 11 25.502356	12 20 19.923	-01 10 42.39	14.30 G	V37 – McDonald Observatory-LCO ELP	MPEC X18
2025 11 25.502674	12 20 19.957	-01 10 43.61	10.84 G	703 – Catalina Sky Survey	MPEC W130
2025 11 25.504113	12 20 19.580	-01 10 40.82	14.35 G	V37 – McDonald Observatory-LCO ELP	MPEC X18
2025 11 25.504911	12 20 19.507	-01 10 41.12	11.08 G	703 – Catalina Sky Survey	MPEC W130
2025 11 25.50542	12 20 19.32	-01 10 38.8		U94 – iTelescope Observatory, Beryl Junction	MPEC W130
2025 11 25.507150	12 20 19.072	-01 10 38.89	10.90 G	703 – Catalina Sky Survey	MPEC W130
2025 11 25.509387	12 20 18.647	-01 10 36.66	10.94 G	703 – Catalina Sky Survey	MPEC W130
2025 11 25.511412	12 20 18.274	-01 10 32.77	12.4 G	V16 – Dark Sky New Mexico, Animas	MPEC W130
2025 11 25.51337	12 20 17.79	-01 10 31.3	11.9 G	U94 – iTelescope Observatory, Beryl Junction	MPEC W130
2025 11 25.514005	12 20 17.674	-01 10 30.32	12.3 G	V16 – Dark Sky New Mexico, Animas	MPEC W130
2025 11 25.516979	12 20 17.100	-01 10 27.23	12.3 G	V16 – Dark Sky New Mexico, Animas	MPEC W130
2025 11 25.519965	12 20 16.529	-01 10 24.20	12.3 G	V16 – Dark Sky New Mexico, Animas	MPEC W130
2025 11 25.52130	12 20 16.27	-01 10 23.4	12.5 G	U94 – iTelescope Observatory, Beryl Junction	MPEC W130
2025 11 25.52925	12 20 14.73	-01 10 15.3		U94 – iTelescope Observatory, Beryl Junction	MPEC W130
2025 11 25.81843	12 19 19.05	-01 05 21.9		D88 – Hiratsuka	MPEC X18
2025 11 25.82124	12 19 18.51	-01 05 19.4		D88 – Hiratsuka	MPEC X18
2025 11 25.82405	12 19 17.94	-01 05 15.8	10.1 T	D88 – Hiratsuka	MPEC X18
2025 11 25.970490	12 18 49.670	-01 02 47.00	11.6 G	186 – Kitab	MPEC X127
2025 11 25.971200	12 18 49.550	-01 02 46.28	11.6 G	186 – Kitab	MPEC X127
2025 11 25.971920	12 18 49.390	-01 02 45.49	11.6 G	186 – Kitab	MPEC X127
2025 11 25.972640	12 18 49.301	-01 02 44.92	11.6 G	186 – Kitab	MPEC X127
2025 11 25.973360	12 18 49.121	-01 02 44.09	11.6 G	186 – Kitab	MPEC X127
2025 11 25.974070	12 18 48.979	-01 02 43.30	11.6 G	186 – Kitab	MPEC X127
2025 11 25.974790	12 18 48.830	-01 02 42.50	11.7 G	186 – Kitab	MPEC X127
2025 11 25.975510	12 18 48.710	-01 02 41.78	11.6 G	186 – Kitab	MPEC X127
2025 11 25.976230	12 18 48.550	-01 02 41.10	11.6 G	186 – Kitab	MPEC X127
2025 11 25.976940	12 18 48.420	-01 02 40.42	11.6 G	186 – Kitab	MPEC X127
2025 11 26.178831	12 18 09.214	-00 59 13.92	11.3 G	R51 – Astrogredos Observatory, Arenas de San Pedro	MPEC X18
2025 11 26.183576	12 18 08.314	-00 59 08.56	12.7 r	213 – Observatorio Montcabre	MPEC X18
2025 11 26.18768	12 18 07.46	-00 59 04.8	12.3 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC X18
2025 11 26.19196	12 18 06.63	-00 59 00.6	12.2 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC X18
2025 11 26.19619	12 18 05.80	-00 58 56.2	12.3 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC X18

2025 11 26.201169	12 18 04.837	-00 58 50.64	12.1 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC X18
2025 11 26.206162	12 18 03.854	-00 58 45.49	12.1 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC X18
2025 11 26.207847	12 18 03.521	-00 58 43.86	11.2 G	R51 – Astrogredos Observatory, Arenas de San Pedro	MPEC X18
2025 11 26.208125	12 18 03.485	-00 58 43.39	12.6 r	213 – Observatorio Montcabre	MPEC X18
2025 11 26.210969	12 18 02.913	-00 58 40.56	12.1 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC X18
2025 11 26.21829	12 18 01.45	-00 58 33.2	12.8 r	L27 – 29PREMOTE Observatory, Dauban	MPEC X18
2025 11 26.22065	12 18 00.99	-00 58 30.8	12.9 r	L27 – 29PREMOTE Observatory, Dauban	MPEC X18
2025 11 26.22262	12 18 00.60	-00 58 28.7	12.9 r	L27 – 29PREMOTE Observatory, Dauban	MPEC X18
2025 11 26.223314	12 18 00.46	-00 58 28.9	11.6 G	Z92 – Almalex Observatory, Leeds	MPEC X18
2025 11 26.22479	12 18 00.17	-00 58 26.5	12.9 r	L27 – 29PREMOTE Observatory, Dauban	MPEC X18
2025 11 26.22636	12 17 59.86	-00 58 24.9	12.9 r	L27 – 29PREMOTE Observatory, Dauban	MPEC X18
2025 11 26.22793	12 17 59.56	-00 58 23.2	12.9 r	L27 – 29PREMOTE Observatory, Dauban	MPEC X18
2025 11 26.22951	12 17 59.24	-00 58 21.7	12.9 r	L27 – 29PREMOTE Observatory, Dauban	MPEC X18
2025 11 26.230264	12 17 59.10	-00 58 21.7	11.7 G	Z92 – Almalex Observatory, Leeds	MPEC X18
2025 11 26.23108	12 17 58.95	-00 58 20.1	12.9 r	L27 – 29PREMOTE Observatory, Dauban	MPEC X18
2025 11 26.232211	12 17 58.769	-00 58 18.88	12.6 r	213 – Observatorio Montcabre	MPEC X18
2025 11 26.23265	12 17 58.64	-00 58 18.5	12.9 r	L27 – 29PREMOTE Observatory, Dauban	MPEC X18
2025 11 26.23443	12 17 58.29	-00 58 16.6	12.9 r	L27 – 29PREMOTE Observatory, Dauban	MPEC X18
2025 11 26.236215	12 17 57.979	-00 58 14.59	11.2 G	R51 – Astrogredos Observatory, Arenas de San Pedro	MPEC X18
2025 11 26.239379	12 17 57.32	-00 58 12.5	11.7 G	Z92 – Almalex Observatory, Leeds	MPEC X18
2025 11 26.250219	12 17 55.19	-00 58 01.3	11.3 G	Z92 – Almalex Observatory, Leeds	MPEC X18
2025 11 26.48517	12 17 09.47	-00 53 58.3	13.3 G	U94 – iTelescope Observatory, Beryl Junction	MPEC X18
2025 11 26.49327	12 17 07.85	-00 53 49.8	13.0 G	U94 – iTelescope Observatory, Beryl Junction	MPEC X18
2025 11 26.50056	12 17 06.42	-00 53 42.4	13.0 G	U94 – iTelescope Observatory, Beryl Junction	MPEC X18
2025 11 26.51672	12 17 03.23	-00 53 25.6	10.0 T	U94 – iTelescope Observatory, Beryl Junction	MPEC X18
2025 11 26.51823	12 17 02.93	-00 53 24.1	12.6 N	U94 – iTelescope Observatory, Beryl Junction	MPEC X18
2025 11 26.51972	12 17 02.64	-00 53 22.5		U94 – iTelescope Observatory, Beryl Junction	MPEC X18
2025 11 26.52049	12 17 02.49	-00 53 21.7		U94 – iTelescope Observatory, Beryl Junction	MPEC X18
2025 11 26.526806	12 17 01.281	-00 53 15.26	16.94 G	G37 – Lowell Discovery Telescope	MPEC X18
2025 11 26.527106	12 17 01.222	-00 53 14.75	17.1 G	G37 – Lowell Discovery Telescope	MPEC X18
2025 11 26.648926	12 16 37.369	-00 51 08.00	16.5 r	T15 – Gemini North Observatory, Maunakea	MPEC X18
2025 11 26.651436	12 16 36.873	-00 51 05.37	15.9 r	T15 – Gemini North Observatory, Maunakea	MPEC X18
2025 11 26.653790	12 16 36.406	-00 51 02.92	16.0 r	T15 – Gemini North Observatory, Maunakea	MPEC X18
2025 11 26.656159	12 16 35.943	-00 51 00.41	16.5 r	T15 – Gemini North Observatory, Maunakea	MPEC X18
2025 11 26.658854	12 16 35.402	-00 50 57.69	15.7 r	T15 – Gemini North Observatory, Maunakea	MPEC X18
2025 11 26.661532	12 16 34.876	-00 50 54.81	15.9 r	T15 – Gemini North Observatory, Maunakea	MPEC X18
2025 11 27.028120	12 15 22.450	-00 44 38.18	11.7 G	186 – Kitab	MPEC X127
2025 11 27.028840	12 15 22.481	-00 44 33.29	11.7 G	186 – Kitab	MPEC X127
2025 11 27.029560	12 15 22.030	-00 44 40.20	11.7 G	186 – Kitab	MPEC X127
2025 11 27.030280	12 15 21.859	-00 44 38.11	11.7 G	186 – Kitab	MPEC X127
2025 11 27.031000	12 15 21.950	-00 44 35.70	11.7 G	186 – Kitab	MPEC X127

2025 11 27.031710	12 15 21.910	-00 44 30.08	11.7 G	186 – Kitab	MPEC X127
2025 11 27.032430	12 15 21.770	-00 44 29.62	11.7 G	186 – Kitab	MPEC X127
2025 11 27.033150	12 15 21.670	-00 44 36.10	11.8 G	186 – Kitab	MPEC X127
2025 11 27.033870	12 15 21.269	-00 44 32.71	11.7 G	186 – Kitab	MPEC X127
2025 11 27.034580	12 15 21.290	-00 44 33.11	11.7 G	186 – Kitab	MPEC X127
2025 11 27.035300	12 15 20.990	-00 44 33.79	11.7 G	186 – Kitab	MPEC X127
2025 11 27.036020	12 15 20.801	-00 44 30.80	11.8 G	186 – Kitab	MPEC X127
2025 11 27.036740	12 15 21.161	-00 44 30.80	11.7 G	186 – Kitab	MPEC X127
2025 11 27.037450	12 15 20.839	-00 44 27.71	11.7 G	186 – Kitab	MPEC X127
2025 11 27.038170	12 15 20.371	-00 44 30.80	11.7 G	186 – Kitab	MPEC X127
2025 11 27.038890	12 15 20.489	-00 44 22.81	11.7 G	186 – Kitab	MPEC X127
2025 11 27.039610	12 15 20.179	-00 44 27.10	11.8 G	186 – Kitab	MPEC X127
2025 11 27.040320	12 15 19.901	-00 44 27.49	11.7 G	186 – Kitab	MPEC X127
2025 11 27.041040	12 15 19.980	-00 44 25.80	11.7 G	186 – Kitab	MPEC X127
2025 11 27.041760	12 15 19.740	-00 44 25.91	11.7 G	186 – Kitab	MPEC X127
2025 11 27.15438	12 14 57.68	-00 42 22.3	12.0 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC X18
2025 11 27.15766	12 14 57.00	-00 42 18.5	11.9 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC X18
2025 11 27.16098	12 14 56.35	-00 42 15.2	12.0 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC X18
2025 11 27.181456	12 14 52.262	-00 41 53.99	12.7 G	D43 – 45th Parallel Observatory, Pino Torinese	MPEC X121
2025 11 27.181456	12 14 52.263	-00 41 54.00	12.7 G	D43 – 45th Parallel Observatory, Pino Torinese	MPEC X127
2025 11 27.183096	12 14 51.98	-00 41 51.9	12.1 R	Y83 – Observatorio Arcosur, Zaragoza	MPEC X18
2025 11 27.185412	12 14 51.52	-00 41 49.4	12.2 R	Y83 – Observatorio Arcosur, Zaragoza	MPEC X18
2025 11 27.187727	12 14 51.06	-00 41 46.8	12.1 R	Y83 – Observatorio Arcosur, Zaragoza	MPEC X18
2025 11 27.188113	12 14 50.976	-00 41 46.25	12.7 r	213 – Observatorio Montcabre	MPEC X18
2025 11 27.202046	12 14 48.207	-00 41 31.82	12.1 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC X18
2025 11 27.203715	12 14 47.830	-00 41 30.16	12.8 G	232 – Masquefa Observatory	MPEC X18
2025 11 27.207059	12 14 47.204	-00 41 26.54	12.1 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC X18
2025 11 27.211888	12 14 46.238	-00 41 21.43	12.1 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC X18
2025 11 27.213099	12 14 45.953	-00 41 20.76	12.7 G	D43 – 45th Parallel Observatory, Pino Torinese	MPEC X121
2025 11 27.214549	12 14 45.720	-00 41 18.60	12.7 r	213 – Observatorio Montcabre	MPEC X18
2025 11 27.218319	12 14 44.916	-00 41 15.40	12.7 G	D43 – 45th Parallel Observatory, Pino Torinese	MPEC X121
2025 11 27.218319	12 14 44.917	-00 41 15.39	12.7 G	D43 – 45th Parallel Observatory, Pino Torinese	MPEC X127
2025 11 27.219271	12 14 44.746	-00 41 13.74	12.8 G	232 – Masquefa Observatory	MPEC X18
2025 11 27.22384	12 14 43.83	-00 41 09.3	13.0 r	L27 – 29PREMOTE Observatory, Dauban	MPEC X18
2025 11 27.22620	12 14 43.36	-00 41 06.8	12.9 r	L27 – 29PREMOTE Observatory, Dauban	MPEC X18
2025 11 27.22856	12 14 42.88	-00 41 04.3	12.9 r	L27 – 29PREMOTE Observatory, Dauban	MPEC X18
2025 11 27.23092	12 14 42.41	-00 41 01.9	13.0 r	L27 – 29PREMOTE Observatory, Dauban	MPEC X18
2025 11 27.23223	12 14 42.17	-00 41 00.5	12.4 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPEC X18
2025 11 27.23328	12 14 41.95	-00 40 59.4	13.0 r	L27 – 29PREMOTE Observatory, Dauban	MPEC X18
2025 11 27.234421	12 14 41.724	-00 40 57.76	12.8 G	232 – Masquefa Observatory	MPEC X18
2025 11 27.23742	12 14 41.13	-00 40 55.0	12.4 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPEC X18

2025 11 27.240602	12 14 40.522	-00 40 51.42	12.7 r	213 – Observatorio Montcabre	MPEC X18
2025 11 27.24244	12 14 40.13	-00 40 49.6	12.3 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPEC X18
2025 11 27.341133	12 14 20.657	-00 39 01.05	15.0 G	W85 – Cerro Tololo-LCO A	MPEC X18
2025 11 27.342419	12 14 20.388	-00 38 59.67	15.0 G	W85 – Cerro Tololo-LCO A	MPEC X18
2025 11 27.343240	12 14 20.234	-00 38 58.96	14.9 G	W85 – Cerro Tololo-LCO A	MPEC X18
2025 11 27.344444	12 14 19.990	-00 38 57.84	15.0 G	W85 – Cerro Tololo-LCO A	MPEC X18
2025 11 27.345255	12 14 19.843	-00 38 56.70	15.0 G	W85 – Cerro Tololo-LCO A	MPEC X18
2025 11 27.500417	12 13 48.886	-00 36 18.17	17.21 G	G37 – Lowell Discovery Telescope	MPEC X18
2025 11 27.507720	12 13 47.414	-00 36 10.38	17.17 G	G37 – Lowell Discovery Telescope	MPEC X18
2025 11 27.515023	12 13 45.972	-00 36 02.58	16.97 G	G37 – Lowell Discovery Telescope	MPEC X18
2025 11 27.522326	12 13 44.490	-00 35 54.90	17.02 G	G37 – Lowell Discovery Telescope	MPEC X18
2025 11 27.629048	12 13 23.213	-00 34 00.44	12.28 c	T05 – ATLAS-HKO, Haleakala	MPEC X18
2025 11 27.633402	12 13 22.351	-00 33 56.64	14.2 G	F65 – Haleakala-Faulkes Telescope North	MPEC X18
2025 11 27.633582	12 13 22.322	-00 33 56.06	14.2 G	F65 – Haleakala-Faulkes Telescope North	MPEC X18
2025 11 27.633765	12 13 22.289	-00 33 55.95	14.2 G	F65 – Haleakala-Faulkes Telescope North	MPEC X18
2025 11 27.633950	12 13 22.232	-00 33 55.96	14.2 G	F65 – Haleakala-Faulkes Telescope North	MPEC X18
2025 11 27.634117	12 13 22.207	-00 33 55.66	14.2 G	F65 – Haleakala-Faulkes Telescope North	MPEC X18
2025 11 27.634312	12 13 22.164	-00 33 55.48	14.3 G	F65 – Haleakala-Faulkes Telescope North	MPEC X18
2025 11 27.642808	12 13 20.441	-00 33 45.94	12.23 c	T05 – ATLAS-HKO, Haleakala	MPEC X18
2025 11 27.654242	12 13 18.134	-00 33 33.77	12.30 c	T05 – ATLAS-HKO, Haleakala	MPEC X18
2025 11 27.661134	12 13 16.742	-00 33 26.86	12.23 c	T05 – ATLAS-HKO, Haleakala	MPEC X18
2025 11 27.958740	12 12 17.064	-00 28 11.18	12.9 G	N56 – Jiama'erdeng Tianwentai JIST project, Ali, Tib	MPEC X18
2025 11 27.964826	12 12 15.830	-00 28 04.70	12.9 G	N56 – Jiama'erdeng Tianwentai JIST project, Ali, Tib	MPEC X18
2025 11 27.970478	12 12 14.690	-00 27 58.68	12.9 G	N56 – Jiama'erdeng Tianwentai JIST project, Ali, Tib	MPEC X18
2025 11 28.024381	12 12 03.859	-00 27 00.40	14.57 G	M44 – Al-Khatim Observatory, Abu Dhabi	MPEC X35
2025 11 28.028120	12 12 03.010	-00 26 56.90	11.8 G	186 – Kitab	MPEC X127
2025 11 28.028840	12 12 02.899	-00 26 56.18	12.0 G	186 – Kitab	MPEC X127
2025 11 28.029560	12 12 02.710	-00 26 55.50	11.9 G	186 – Kitab	MPEC X127
2025 11 28.030280	12 12 02.570	-00 26 54.71	12.1 G	186 – Kitab	MPEC X127
2025 11 28.031000	12 12 02.429	-00 26 53.92	11.8 G	186 – Kitab	MPEC X127
2025 11 28.031710	12 12 02.261	-00 26 53.09	11.8 G	186 – Kitab	MPEC X127
2025 11 28.032430	12 12 02.100	-00 26 52.30	12.0 G	186 – Kitab	MPEC X127
2025 11 28.033150	12 12 01.990	-00 26 51.68	11.8 G	186 – Kitab	MPEC X127
2025 11 28.033870	12 12 01.850	-00 26 50.89	11.8 G	186 – Kitab	MPEC X127
2025 11 28.034580	12 12 01.711	-00 26 50.10	11.7 G	186 – Kitab	MPEC X127
2025 11 28.035300	12 12 01.579	-00 26 49.20	11.7 G	186 – Kitab	MPEC X127
2025 11 28.036020	12 12 01.399	-00 26 48.52	11.8 G	186 – Kitab	MPEC X127
2025 11 28.036740	12 12 01.260	-00 26 47.80	11.7 G	186 – Kitab	MPEC X127
2025 11 28.037450	12 12 01.121	-00 26 47.11	11.8 G	186 – Kitab	MPEC X127
2025 11 28.038170	12 12 00.960	-00 26 46.28	11.8 G	186 – Kitab	MPEC X127
2025 11 28.038890	12 12 00.850	-00 26 45.31	12.0 G	186 – Kitab	MPEC X127

2025 11 28.039610	12 12 00.679	-00 26 44.70	11.8 G	186 – Kitab	MPEC X127
2025 11 28.040320	12 12 00.530	-00 26 43.91	12.1 G	186 – Kitab	MPEC X127
2025 11 28.041040	12 12 00.379	-00 26 43.12	11.8 G	186 – Kitab	MPEC X127
2025 11 28.041760	12 12 00.250	-00 26 42.40	11.8 G	186 – Kitab	MPEC X127
2025 11 28.042204	12 12 00.262	-00 26 41.89	14.59 G	M44 – Al-Khatim Observatory, Abu Dhabi	MPEC X35
2025 11 28.060381	12 11 56.570	-00 26 22.56	14.63 G	M44 – Al-Khatim Observatory, Abu Dhabi	MPEC X35
2025 11 28.131892	12 11 42.146	-00 25 06.91	12.36 G	160 – Castelmartini	MPEC X18
2025 11 28.16348	12 11 35.69	-00 24 33.2	13.1 G	G00 – AZM Martinsberg, Oed	MPEC X18
2025 11 28.163568	12 11 35.728	-00 24 33.20	12.3 G	160 – Castelmartini	MPEC X18
2025 11 28.16750	12 11 34.87	-00 24 28.9	13.0 G	G00 – AZM Martinsberg, Oed	MPEC X18
2025 11 28.167998	12 11 34.860	-00 24 28.19	11.5 G	R51 – Astrogredos Observatory, Arenas de San Pedro	MPEC X35
2025 11 28.17101	12 11 34.15	-00 24 25.2	13.1 G	G00 – AZM Martinsberg, Oed	MPEC X18
2025 11 28.177326	12 11 32.969	-00 24 18.45	13.9 G	D47 – BigBang Observatory, Manciano	MPEC X18
2025 11 28.178252	12 11 32.745	-00 24 17.37	13.8 G	D47 – BigBang Observatory, Manciano	MPEC X18
2025 11 28.179201	12 11 32.570	-00 24 16.25	13.8 G	D47 – BigBang Observatory, Manciano	MPEC X18
2025 11 28.185265	12 11 31.324	-00 24 10.44	11.9 G	215 – Buchloe	MPEC X18
2025 11 28.188694	12 11 30.593	-00 24 06.08	12.6 G	215 – Buchloe	MPEC X18
2025 11 28.19035	12 11 30.30	-00 24 04.4	12.4 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC X18
2025 11 28.192130	12 11 29.896	-00 24 02.91	11.9 G	215 – Buchloe	MPEC X18
2025 11 28.19360	12 11 29.64	-00 24 00.9	12.4 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC X18
2025 11 28.195316	12 11 29.284	-00 23 59.24	12.8 G	D43 – 45th Parallel Observatory, Pino Torinese	MPEC X121
2025 11 28.19675	12 11 29.00	-00 23 57.5	12.4 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC X18
2025 11 28.197813	12 11 28.800	-00 23 56.08	11.3 G	R51 – Astrogredos Observatory, Arenas de San Pedro	MPEC X35
2025 11 28.200587	12 11 28.225	-00 23 54.05	14.3 G	204 – Schiaparelli Observatory	MPEC X127
2025 11 28.201065	12 11 27.917	-00 23 51.90	12.1 G	S24 – Szilard Leo Observatory, Bujak	MPEC X127
2025 11 28.202731	12 11 27.581	-00 23 50.28	12.0 G	S24 – Szilard Leo Observatory, Bujak	MPEC X127
2025 11 28.204282	12 11 27.257	-00 23 48.48	12.1 G	S24 – Szilard Leo Observatory, Bujak	MPEC X127
2025 11 28.205309	12 11 27.282	-00 23 47.87	12.1 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC X18
2025 11 28.211602	12 11 26.003	-00 23 41.10	12.1 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC X18
2025 11 28.212039	12 11 25.860	-00 23 41.22		204 – Schiaparelli Observatory	MPEC X127
2025 11 28.213508	12 11 25.594	-00 23 39.73	12.8 G	D43 – 45th Parallel Observatory, Pino Torinese	MPEC X121
2025 11 28.213508	12 11 25.593	-00 23 39.71	12.8 G	D43 – 45th Parallel Observatory, Pino Torinese	MPEC X127
2025 11 28.217707	12 11 24.763	-00 23 34.59	12.1 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC X18
2025 11 28.218614	12 11 24.532	-00 23 34.29	12.39 G	160 – Castelmartini	MPEC X18
2025 11 28.223896	12 11 23.463	-00 23 28.77		204 – Schiaparelli Observatory	MPEC X127
2025 11 28.224680	12 11 23.323	-00 23 27.74	12.8 G	D43 – 45th Parallel Observatory, Pino Torinese	MPEC X121
2025 11 28.224680	12 11 23.322	-00 23 27.73	12.8 G	D43 – 45th Parallel Observatory, Pino Torinese	MPEC X127
2025 11 28.227720	12 11 22.716	-00 23 24.00	11.3 G	R51 – Astrogredos Observatory, Arenas de San Pedro	MPEC X35
2025 11 28.235780	12 11 21.06	-00 23 16.3	11.5 G	Z92 – Almalex Observatory, Leeds	MPEC X18
2025 11 28.240127	12 11 20.18	-00 23 11.7	11.3 G	Z92 – Almalex Observatory, Leeds	MPEC X18
2025 11 28.247008	12 11 18.78	-00 23 04.5	11.3 G	Z92 – Almalex Observatory, Leeds	MPEC X18

2025 11 28.253913	12 11 17.38	-00 22 57.1	11.4 G	Z92 – Almalex Observatory, Leeds	MPEC X18
2025 11 28.27131	12 11 13.82	-00 22 37.3	12.6 G	Y88 – ASERO, Valdin	MPEC X18
2025 11 28.27341	12 11 13.34	-00 22 35.8	12.6 G	Y88 – ASERO, Valdin	MPEC X18
2025 11 28.27586	12 11 12.95	-00 22 33.3	12.6 G	Y88 – ASERO, Valdin	MPEC X18
2025 11 28.290778	12 11 09.975	-00 22 15.96	13.9 G	J13 – La Palma-Liverpool Telescope	MPEC X18
2025 11 28.291161	12 11 09.904	-00 22 15.57	13.8 G	J13 – La Palma-Liverpool Telescope	MPEC X18
2025 11 28.291552	12 11 09.828	-00 22 15.25	13.9 G	J13 – La Palma-Liverpool Telescope	MPEC X18
2025 11 28.291925	12 11 09.746	-00 22 14.74	13.8 G	J13 – La Palma-Liverpool Telescope	MPEC X18
2025 11 28.292309	12 11 09.654	-00 22 14.54	13.9 G	J13 – La Palma-Liverpool Telescope	MPEC X18
2025 11 28.81612	12 09 23.11	-00 12 48.9	9.7 V	P87 – Hirao Observatory, Yamaguchi	MPEC X18
2025 11 28.82826	12 09 20.62	-00 12 35.7		P87 – Hirao Observatory, Yamaguchi	MPEC X18
2025 11 28.84346	12 09 17.48	-00 12 19.2		P87 – Hirao Observatory, Yamaguchi	MPEC X18
2025 11 28.882299	12 09 09.519	-00 11 37.23	12.4 G	P13 – Baihuashan Observatory, Beijing	MPEC X18
2025 11 28.891979	12 09 07.519	-00 11 26.78	12.4 G	P13 – Baihuashan Observatory, Beijing	MPEC X18
2025 11 28.901662	12 09 05.520	-00 11 16.18	12.3 G	P13 – Baihuashan Observatory, Beijing	MPEC X18
2025 11 29.029039	12 08 39.506	-00 08 56.11	14.73 G	M44 – Al-Khatim Observatory, Abu Dhabi	MPEC X35
2025 11 29.031600	12 08 39.041	-00 08 56.90	12.2 G	186 – Kitab	MPEC X127
2025 11 29.032310	12 08 38.890	-00 08 56.29	12.4 G	186 – Kitab	MPEC X127
2025 11 29.033030	12 08 38.750	-00 08 55.61	12.4 G	186 – Kitab	MPEC X127
2025 11 29.033750	12 08 38.570	-00 08 54.10	11.8 G	186 – Kitab	MPEC X127
2025 11 29.034470	12 08 38.450	-00 08 53.48	12.4 G	186 – Kitab	MPEC X127
2025 11 29.035190	12 08 38.290	-00 08 53.41	12.3 G	186 – Kitab	MPEC X127
2025 11 29.035900	12 08 38.141	-00 08 52.01	11.8 G	186 – Kitab	MPEC X127
2025 11 29.036620	12 08 38.021	-00 08 52.40	12.3 G	186 – Kitab	MPEC X127
2025 11 29.037340	12 08 37.829	-00 08 50.10	12.2 G	186 – Kitab	MPEC X127
2025 11 29.038060	12 08 37.711	-00 08 49.60	12.7 G	186 – Kitab	MPEC X127
2025 11 29.038770	12 08 37.550	-00 08 49.42	12.5 G	186 – Kitab	MPEC X127
2025 11 29.039490	12 08 37.399	-00 08 48.91	12.4 G	186 – Kitab	MPEC X127
2025 11 29.040210	12 08 37.270	-00 08 47.29	12.2 G	186 – Kitab	MPEC X127
2025 11 29.040930	12 08 37.080	-00 08 46.50	12.5 G	186 – Kitab	MPEC X127
2025 11 29.041640	12 08 36.941	-00 08 46.00	12.2 G	186 – Kitab	MPEC X127
2025 11 29.043479	12 08 36.509	-00 08 41.03	14.66 G	M44 – Al-Khatim Observatory, Abu Dhabi	MPEC X35
2025 11 29.054306	12 08 34.279	-00 08 29.08	14.63 G	M44 – Al-Khatim Observatory, Abu Dhabi	MPEC X35
2025 11 29.108714	12 08 23.143	-00 07 26.11	13.3 G	M49 – IAS Remote Observatory, Hakos	MPEC X18
2025 11 29.112341	12 08 22.392	-00 07 22.04	13.3 G	M49 – IAS Remote Observatory, Hakos	MPEC X18
2025 11 29.115968	12 08 21.634	-00 07 17.94	13.3 G	M49 – IAS Remote Observatory, Hakos	MPEC X18
2025 11 29.170911	12 08 10.272	-00 06 23.03	13.3 G	598 – Loiano	MPEC X18
2025 11 29.183106	12 08 07.748	-00 06 09.80	13.3 G	598 – Loiano	MPEC X18
2025 11 29.183816	12 08 07.575	-00 06 08.74	12.24 G	160 – Castelmartini	MPEC X18
2025 11 29.197199	12 08 04.800	-00 05 54.28	14.1 G	D47 – BigBang Observatory, Manciano	MPEC X18
2025 11 29.199815	12 08 04.361	-00 05 50.17	13.2 G	J47 – Observatorio Nazaret	MPEC X18

2025 11 29.200396	12 08 04.144	-00 05 50.69	12.26 G	160 – Castelmartini	MPEC X18
2025 11 29.200937	12 08 04.033	-00 05 49.98	14.0 G	D47 – BigBang Observatory, Manciano	MPEC X18
2025 11 29.202453	12 08 03.750	-00 05 48.62	13.3 G	598 – Loiano	MPEC X18
2025 11 29.207072	12 08 02.753	-00 05 43.32	14.1 G	D47 – BigBang Observatory, Manciano	MPEC X18
2025 11 29.215942	12 08 00.919	-00 05 33.63	12.26 G	160 – Castelmartini	MPEC X18
2025 11 29.228148	12 07 58.483	-00 05 19.00	13.2 G	J47 – Observatorio Nazaret	MPEC X18
2025 11 29.23042	12 07 57.95	-00 05 17.7	12.6 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC X18
2025 11 29.23237	12 07 57.53	-00 05 15.5	12.6 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC X18
2025 11 29.23429	12 07 57.12	-00 05 13.4	12.7 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC X18
2025 11 29.237801	12 07 56.410	-00 05 09.28		R53 – Pinos, Alhaurin de la Torre	MPEC X18
2025 11 29.247720	12 07 54.454	-00 04 57.54	12.6 G	J51 – Observatorio Atlante, Tenerife	MPEC X18
2025 11 29.248345	12 07 54.290	-00 04 57.76	14.8 G	R53 – Pinos, Alhaurin de la Torre	MPEC X18
2025 11 29.254606	12 07 52.999	-00 04 49.84	13.4 G	J47 – Observatorio Nazaret	MPEC X18
2025 11 29.255567	12 07 52.824	-00 04 49.01	12.6 G	J51 – Observatorio Atlante, Tenerife	MPEC X18
2025 11 29.258218	12 07 52.135	-00 04 46.74	15.1 G	R53 – Pinos, Alhaurin de la Torre	MPEC X18
2025 11 29.263472	12 07 51.180	-00 04 40.22	12.6 G	J51 – Observatorio Atlante, Tenerife	MPEC X18
2025 11 29.39321	12 07 24.54	-00 02 15.9	11.8 R	H78 – University of Narino Observatory, Pasto	MPEC X127
2025 11 29.39579	12 07 24.07	-00 02 13.4	11.6 R	H78 – University of Narino Observatory, Pasto	MPEC X127
2025 11 29.39608	12 07 23.96	-00 02 13.8	11.8 R	H78 – University of Narino Observatory, Pasto	MPEC X127
2025 11 29.40067	12 07 23.04	-00 02 07.6	15.4 R	H78 – University of Narino Observatory, Pasto	MPEC X127
2025 11 29.40096	12 07 22.94	-00 02 07.3	12.1 R	H78 – University of Narino Observatory, Pasto	MPEC X127
2025 11 29.422705	12 07 18.276	-00 01 46.67	13.3 G	W62 – Comet Hunter Observatory2, New Ringgold	MPEC X35
2025 11 29.429709	12 07 16.824	-00 01 38.75	13.5 G	W62 – Comet Hunter Observatory2, New Ringgold	MPEC X35
2025 11 29.436718	12 07 15.357	-00 01 31.22	13.4 G	W62 – Comet Hunter Observatory2, New Ringgold	MPEC X35
2025 11 29.477431	12 07 07.032	-00 00 46.01	12.8 G	V16 – Dark Sky New Mexico, Animas	MPEC X18
2025 11 29.491736	12 07 03.972	-00 00 29.41	12.7 G	V16 – Dark Sky New Mexico, Animas	MPEC X18
2025 11 29.496782	12 07 03.000	-00 00 24.66	14.3 G	V21 – Cewanee Observatory at DSNM	MPEC X18
2025 11 29.499151	12 07 02.557	-00 00 21.60	10.68 G	703 – Catalina Sky Survey	MPEC X18
2025 11 29.501416	12 07 02.086	-00 00 19.15	10.63 G	703 – Catalina Sky Survey	MPEC X18
2025 11 29.503680	12 07 01.614	-00 00 16.67	10.68 G	703 – Catalina Sky Survey	MPEC X18
2025 11 29.505945	12 07 01.142	-00 00 14.22	10.72 G	703 – Catalina Sky Survey	MPEC X18
2025 11 29.506111	12 07 01.044	-00 00 14.15	12.6 G	V16 – Dark Sky New Mexico, Animas	MPEC X18
2025 11 29.510764	12 07 00.048	-00 00 09.16	13.5 G	V16 – Dark Sky New Mexico, Animas	MPEC X127
2025 11 29.511875	12 06 59.815	-00 00 07.96	14.4 G	V21 – Cewanee Observatory at DSNM	MPEC X18
2025 11 29.521516	12 06 57.831	+00 00 02.50	13.5 G	V16 – Dark Sky New Mexico, Animas	MPEC X127
2025 11 29.527199	12 06 56.621	+00 00 08.96	14.5 G	V21 – Cewanee Observatory at DSNM	MPEC X18
2025 11 29.532836	12 06 55.444	+00 00 15.24	13.4 G	V16 – Dark Sky New Mexico, Animas	MPEC X127
2025 11 29.542535	12 06 53.419	+00 00 25.78	14.3 G	V21 – Cewanee Observatory at DSNM	MPEC X18
2025 11 29.75145	12 06 10.14	+00 04 16.8		349 – Ageo	MPEC Y51
2025 11 29.75594	12 06 09.20	+00 04 21.9		349 – Ageo	MPEC Y51
2025 11 29.76522	12 06 07.25	+00 04 32.0		349 – Ageo	MPEC Y51

2025 11 29.76970	12 06 06.31	+00 04 37.1	10.1 T	349 – Ageo	MPEC Y51
2025 11 29.807778	12 05 58.320	+00 05 18.85	12.7 G	Q21 – Southern Utsunomiya	MPEC X18
2025 11 29.810718	12 05 57.687	+00 05 22.20	14.1 G	Q21 – Southern Utsunomiya	MPEC X18
2025 11 29.818611	12 05 56.063	+00 05 30.70	13.2 G	Q21 – Southern Utsunomiya	MPEC X18
2025 11 29.886792	12 05 41.878	+00 06 48.24	12.8 G	O51 – Akin Observatory, Rayong	MPEC X18
2025 11 29.908335	12 05 37.346	+00 07 12.29	12.9 G	O51 – Akin Observatory, Rayong	MPEC X18
2025 11 29.929720	12 05 32.851	+00 07 35.94	12.9 G	O51 – Akin Observatory, Rayong	MPEC X18
2025 11 29.951852	12 05 28.251	+00 07 58.61	13.0 G	N42 – Tien-Shan Astronomical Observatory	MPEC X127
2025 11 29.954248	12 05 27.768	+00 08 01.24	13.1 G	N42 – Tien-Shan Astronomical Observatory	MPEC X127
2025 11 29.956065	12 05 27.373	+00 08 03.08	13.1 G	N42 – Tien-Shan Astronomical Observatory	MPEC X127
2025 11 30.109889	12 04 55.244	+00 10 59.11	13.4 G	M49 – IAS Remote Observatory, Hakos	MPEC X18
2025 11 30.115331	12 04 54.089	+00 11 05.14	13.5 G	M49 – IAS Remote Observatory, Hakos	MPEC X18
2025 11 30.120773	12 04 52.948	+00 11 11.27	13.4 G	M49 – IAS Remote Observatory, Hakos	MPEC X18
2025 11 30.22907	12 04 30.06	+00 13 06.5	13.1 R	Z30 – Glyn Marsh Observatory, Douglas	MPEC X18
2025 11 30.22943	12 04 30.06	+00 13 06.6	13.1 R	Z30 – Glyn Marsh Observatory, Douglas	MPEC X18
2025 11 30.22979	12 04 29.96	+00 13 07.4	13.1 R	Z30 – Glyn Marsh Observatory, Douglas	MPEC X18
2025 11 30.23016	12 04 29.86	+00 13 07.8	13.1 R	Z30 – Glyn Marsh Observatory, Douglas	MPEC X18
2025 11 30.23052	12 04 29.78	+00 13 08.1	13.1 R	Z30 – Glyn Marsh Observatory, Douglas	MPEC X18
2025 11 30.23088	12 04 29.70	+00 13 08.6	13.1 R	Z30 – Glyn Marsh Observatory, Douglas	MPEC X18
2025 11 30.473622	12 03 38.761	+00 17 42.58	11.16 G	703 – Catalina Sky Survey	MPEC X18
2025 11 30.475889	12 03 38.293	+00 17 45.02	11.08 G	703 – Catalina Sky Survey	MPEC X18
2025 11 30.478152	12 03 37.811	+00 17 47.62	11.11 G	703 – Catalina Sky Survey	MPEC X18
2025 11 30.480417	12 03 37.300	+00 17 50.14	11.50 G	703 – Catalina Sky Survey	MPEC X18
2025 11 30.779942	12 02 33.842	+00 23 27.02	13.0 G	Q21 – Southern Utsunomiya	MPEC X18
2025 11 30.782593	12 02 33.269	+00 23 29.98	13.5 G	Q21 – Southern Utsunomiya	MPEC X18
2025 11 30.787882	12 02 32.160	+00 23 36.06	13.1 G	Q21 – Southern Utsunomiya	MPEC X18
2025 11 30.880962	12 02 12.326	+00 25 21.40	12.8 G	P13 – Baihuashan Observatory, Beijing	MPEC X18
2025 11 30.886054	12 02 11.306	+00 25 28.96	12.9 G	O51 – Akin Observatory, Rayong	MPEC X18
2025 11 30.891723	12 02 10.030	+00 25 33.60	12.9 G	P13 – Baihuashan Observatory, Beijing	MPEC X18
2025 11 30.89597	12 02 09.23	+00 25 40.3	13.3 r	O54 – TSky Observatory, Chonburi	MPEC X18
2025 11 30.90047	12 02 08.26	+00 25 45.5	13.3 r	O54 – TSky Observatory, Chonburi	MPEC X18
2025 11 30.903914	12 02 07.414	+00 25 47.21	12.8 G	P13 – Baihuashan Observatory, Beijing	MPEC X18
2025 11 30.90491	12 02 07.31	+00 25 50.5	13.3 r	O54 – TSky Observatory, Chonburi	MPEC X18
2025 11 30.907184	12 02 06.768	+00 25 52.90	12.9 G	O51 – Akin Observatory, Rayong	MPEC X18
2025 11 30.930303	12 02 01.819	+00 26 19.28	12.9 G	O51 – Akin Observatory, Rayong	MPEC X18
2025 11 30.969688	12 01 53.294	+00 27 02.56	13.3 G	N42 – Tien-Shan Astronomical Observatory	MPEC X127
2025 11 30.972060	12 01 52.762	+00 27 04.86	13.3 G	N42 – Tien-Shan Astronomical Observatory	MPEC X127
2025 11 30.973877	12 01 52.406	+00 27 07.27	13.3 G	N42 – Tien-Shan Astronomical Observatory	MPEC X127
2025 12 01.096505	12 01 26.436	+00 29 26.02	12.2 R	C23 – Olmen	MPEC X18
2025 12 01.101007	12 01 25.440	+00 29 31.02	12.2 R	C23 – Olmen	MPEC X18
2025 12 01.106238	12 01 24.334	+00 29 37.00	12.2 R	C23 – Olmen	MPEC X18

2025 12 01.112708	12 01 22.956	+00 29 43.80	12.3 V	R92 – Osterholz-Scharmbeck	MPEC X35
2025 12 01.118380	12 01 21.751	+00 29 50.60	12.2 R	C23 – Olmen	MPEC X18
2025 12 01.126609	12 01 19.992	+00 29 59.89	12.3 R	C23 – Olmen	MPEC X18
2025 12 01.127130	12 01 19.860	+00 30 00.36	12.3 V	R92 – Osterholz-Scharmbeck	MPEC X35
2025 12 01.136343	12 01 17.890	+00 30 11.02	12.3 R	C23 – Olmen	MPEC X18
2025 12 01.141921	12 01 16.697	+00 30 17.14	12.2 V	R92 – Osterholz-Scharmbeck	MPEC X35
2025 12 01.199074	12 01 04.483	+00 31 23.23	13.2 r	213 – Observatorio Montcabre	MPEC X18
2025 12 01.208319	12 01 02.566	+00 31 34.32	14.2 G	954 – Teide Observatory	MPEC X127
2025 12 01.20982	12 01 02.14	+00 31 35.3	12.6 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPEC X18
2025 12 01.213174	12 01 01.397	+00 31 38.35	13.2 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC X18
2025 12 01.21486	12 01 01.05	+00 31 41.0	12.5 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPEC X18
2025 12 01.215999	12 01 00.787	+00 31 41.66	13.2 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC X18
2025 12 01.216062	12 01 00.758	+00 31 41.92	11.8 G	L65 – Bredenkamp Observatory, Bremen	MPEC X18
2025 12 01.218823	12 01 00.182	+00 31 44.90	13.2 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC X18
2025 12 01.21990	12 00 59.97	+00 31 46.7	12.5 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPEC X18
2025 12 01.221852	12 00 59.578	+00 31 49.22	13.3 r	213 – Observatorio Montcabre	MPEC X18
2025 12 01.223858	12 00 59.093	+00 31 50.70	11.9 G	L65 – Bredenkamp Observatory, Bremen	MPEC X18
2025 12 01.228934	12 00 58.001	+00 31 56.46	11.9 G	L65 – Bredenkamp Observatory, Bremen	MPEC X18
2025 12 01.237171	12 00 56.359	+00 32 07.01	14.2 G	954 – Teide Observatory	MPEC X127
2025 12 01.244213	12 00 54.758	+00 32 14.82	13.2 r	213 – Observatorio Montcabre	MPEC X18
2025 12 01.251831	12 00 53.203	+00 32 23.52	14.3 G	954 – Teide Observatory	MPEC X127
2025 12 01.25890	12 00 51.56	+00 32 31.1	12.7 G	Y88 – ASERO, Valdin	MPEC X127
2025 12 01.26100	12 00 51.12	+00 32 33.9	12.7 G	Y88 – ASERO, Valdin	MPEC X127
2025 12 01.26345	12 00 50.58	+00 32 36.3	12.7 G	Y88 – ASERO, Valdin	MPEC X127
2025 12 01.487552	12 00 02.736	+00 36 53.28	10.94 G	703 – Catalina Sky Survey	MPEC X18
2025 12 01.489778	12 00 02.250	+00 36 55.84	10.93 G	703 – Catalina Sky Survey	MPEC X18
2025 12 01.492007	12 00 01.775	+00 36 58.36	10.92 G	703 – Catalina Sky Survey	MPEC X18
2025 12 01.494234	12 00 01.296	+00 37 00.91	10.92 G	703 – Catalina Sky Survey	MPEC X18
2025 12 01.497873	12 00 00.392	+00 37 04.73	14.8 G	V37 – McDonald Observatory-LCO ELP	MPEC X127
2025 12 01.507766	11 59 58.179	+00 37 16.49	13.6 G	V16 – Dark Sky New Mexico, Animas	MPEC X127
2025 12 01.511927	11 59 57.324	+00 37 20.97	15.3 G	V37 – McDonald Observatory-LCO ELP	MPEC X127
2025 12 01.518623	11 59 55.842	+00 37 28.75	13.6 G	V16 – Dark Sky New Mexico, Animas	MPEC X127
2025 12 01.529884	11 59 53.418	+00 37 41.46	13.5 G	V16 – Dark Sky New Mexico, Animas	MPEC X127
2025 12 01.548167	11 59 49.513	+00 38 02.19	13.5 G	U69 – iTelescope SRO Observatory, Auberry	MPEC Y51
2025 12 01.553973	11 59 48.298	+00 38 09.54	13.8 G	U69 – iTelescope SRO Observatory, Auberry	MPEC Y51
2025 12 01.559769	11 59 46.990	+00 38 15.73	13.8 G	U69 – iTelescope SRO Observatory, Auberry	MPEC Y51
2025 12 01.601076	11 59 38.220	+00 39 04.07	14.8 r	F65 – Haleakala-Faulkes Telescope North	MPEC X127
2025 12 01.602357	11 59 37.951	+00 39 05.49	14.8 G	F65 – Haleakala-Faulkes Telescope North	MPEC X127
2025 12 01.603171	11 59 37.766	+00 39 06.62	14.7 r	F65 – Haleakala-Faulkes Telescope North	MPEC X127
2025 12 01.604999	11 59 37.372	+00 39 08.64	14.6 G	F65 – Haleakala-Faulkes Telescope North	MPEC X127
2025 12 01.605255	11 59 37.320	+00 39 08.82	14.9 r	F65 – Haleakala-Faulkes Telescope North	MPEC X127

2025 12 01.614434	11 59 35.316	+00 39 20.05	11.87 o	T08 – ATLAS-MLO, Mauna Loa	MPEC X35
2025 12 01.616717	11 59 34.824	+00 39 22.79	11.86 o	T08 – ATLAS-MLO, Mauna Loa	MPEC X35
2025 12 01.626535	11 59 32.693	+00 39 33.95	11.90 o	T08 – ATLAS-MLO, Mauna Loa	MPEC X35
2025 12 01.632233	11 59 31.452	+00 39 40.50	11.97 o	T08 – ATLAS-MLO, Mauna Loa	MPEC X35
2025 12 01.647106	11 59 28.222	+00 39 57.64	11.97 o	T08 – ATLAS-MLO, Mauna Loa	MPEC X35
2025 12 01.650306	11 59 27.526	+00 40 01.31	11.96 o	T08 – ATLAS-MLO, Mauna Loa	MPEC X35
2025 12 01.82302	11 58 50.16	+00 43 18.7	10.4 T	Q23 – Sukagawa	MPEC X35
2025 12 01.83164	11 58 48.29	+00 43 28.9		Q23 – Sukagawa	MPEC X35
2025 12 01.84061	11 58 46.33	+00 43 39.1		Q23 – Sukagawa	MPEC X35
2025 12 01.886008	11 58 36.578	+00 44 33.43	12.9 G	O51 – Akin Observatory, Rayong	MPEC X127
2025 12 01.906742	11 58 32.162	+00 44 56.51	12.9 G	O51 – Akin Observatory, Rayong	MPEC X127
2025 12 01.919988	11 58 29.021	+00 45 11.23	13.3 G	N42 – Tien-Shan Astronomical Observatory	MPEC X127
2025 12 01.922384	11 58 28.498	+00 45 13.50	13.5 G	N42 – Tien-Shan Astronomical Observatory	MPEC X127
2025 12 01.927442	11 58 27.365	+00 45 19.26	13.5 G	N42 – Tien-Shan Astronomical Observatory	MPEC X127
2025 12 01.927469	11 58 27.540	+00 45 21.24	13.0 G	O51 – Akin Observatory, Rayong	MPEC X127
2025 12 02.024650	11 58 06.439	+00 47 12.19	11.8 G	186 – Kitab	MPEC X127
2025 12 02.025370	11 58 06.259	+00 47 12.98	11.8 G	186 – Kitab	MPEC X127
2025 12 02.026090	11 58 06.120	+00 47 13.88	11.8 G	186 – Kitab	MPEC X127
2025 12 02.026810	11 58 05.959	+00 47 14.78	11.8 G	186 – Kitab	MPEC X127
2025 12 02.027520	11 58 05.820	+00 47 15.61	11.8 G	186 – Kitab	MPEC X127
2025 12 02.028240	11 58 05.669	+00 47 16.40	11.8 G	186 – Kitab	MPEC X127
2025 12 02.028960	11 58 05.489	+00 47 17.20	11.9 G	186 – Kitab	MPEC X127
2025 12 02.029680	11 58 05.330	+00 47 17.92	11.9 G	186 – Kitab	MPEC X127
2025 12 02.030390	11 58 05.191	+00 47 18.89	11.9 G	186 – Kitab	MPEC X127
2025 12 02.031110	11 58 05.040	+00 47 19.61	11.8 G	186 – Kitab	MPEC X127
2025 12 02.031830	11 58 04.860	+00 47 20.40	11.8 G	186 – Kitab	MPEC X127
2025 12 02.032550	11 58 04.721	+00 47 21.19	11.9 G	186 – Kitab	MPEC X127
2025 12 02.033260	11 58 04.550	+00 47 22.09	11.9 G	186 – Kitab	MPEC X127
2025 12 02.033980	11 58 04.390	+00 47 22.88	11.8 G	186 – Kitab	MPEC X127
2025 12 02.034700	11 58 04.241	+00 47 23.89	11.8 G	186 – Kitab	MPEC X127
2025 12 02.035420	11 58 04.080	+00 47 24.68	11.9 G	186 – Kitab	MPEC X127
2025 12 02.222207	11 57 23.503	+00 51 01.66	15.4 G	Z24 – Tenerife Observatory-LCO B, Tenerife	MPEC X127
2025 12 02.229856	11 57 21.71	+00 51 09.5	10.1 G	Z92 – Almalex Observatory, Leeds	MPEC X35
2025 12 02.230297	11 57 21.733	+00 51 10.98	15.4 G	Z24 – Tenerife Observatory-LCO B, Tenerife	MPEC X127
2025 12 02.240250	11 57 19.43	+00 51 21.6	11.0 G	Z92 – Almalex Observatory, Leeds	MPEC X35
2025 12 02.250135	11 57 17.27	+00 51 33.1	11.0 G	Z92 – Almalex Observatory, Leeds	MPEC X35
2025 12 02.30351	11 57 05.78	+00 52 41.7	10.3 R	I47 – Pierre Auger Observatory, Malargue	MPEC X35
2025 12 02.31341	11 57 03.62	+00 52 53.2	9.8 V	I47 – Pierre Auger Observatory, Malargue	MPEC X35
2025 12 02.314709	11 57 03.329	+00 52 52.36	12.5 G	X29 – Observatorio Astronomico Municipal de Funes	MPEC X35
2025 12 02.318666	11 57 02.321	+00 53 00.60	12.7 G	X29 – Observatorio Astronomico Municipal de Funes	MPEC X35
2025 12 02.321829	11 57 01.457	+00 53 04.67	12.6 G	X29 – Observatorio Astronomico Municipal de Funes	MPEC X35

2025 12 02.32286	11 57 01.55	+00 53 04.3	10.3 R	I47 – Pierre Auger Observatory, Malargue	MPEC X35
2025 12 02.441780	11 56 35.539	+00 55 17.53	15.2 G	V37 – McDonald Observatory-LCO ELP	MPEC X127
2025 12 02.449841	11 56 33.769	+00 55 26.79	15.3 G	V37 – McDonald Observatory-LCO ELP	MPEC X127
2025 12 02.539578	11 56 14.004	+00 57 11.63		G37 – Lowell Discovery Telescope	MPEC X127
2025 12 02.542183	11 56 13.428	+00 57 14.58		G37 – Lowell Discovery Telescope	MPEC X127
2025 12 02.543429	11 56 13.154	+00 57 16.06		G37 – Lowell Discovery Telescope	MPEC X127
2025 12 02.566222	11 56 08.287	+00 57 44.28	12.07 o	T05 – ATLAS-HKO, Haleakala	MPEC X35
2025 12 02.572628	11 56 06.869	+00 57 51.73	12.06 o	T05 – ATLAS-HKO, Haleakala	MPEC X35
2025 12 02.575881	11 56 06.156	+00 57 55.55	12.05 o	T05 – ATLAS-HKO, Haleakala	MPEC X35
2025 12 02.587782	11 56 03.526	+00 58 09.23	13.54 o	T05 – ATLAS-HKO, Haleakala	MPEC X35
2025 12 02.733773	11 55 31.435	+01 01 04.37	14.8 r	E10 – Siding Spring-Faulkes Telescope South	MPEC X127
2025 12 02.735856	11 55 30.977	+01 01 06.78	14.9 r	E10 – Siding Spring-Faulkes Telescope South	MPEC X127
2025 12 02.737951	11 55 30.509	+01 01 09.19	14.9 r	E10 – Siding Spring-Faulkes Telescope South	MPEC X127
2025 12 02.886424	11 54 57.720	+01 04 00.80	13.0 G	O51 – Akin Observatory, Rayong	MPEC X127
2025 12 02.907286	11 54 53.086	+01 04 25.39	13.0 G	O51 – Akin Observatory, Rayong	MPEC X127
2025 12 02.928579	11 54 48.346	+01 04 50.41	13.0 G	O51 – Akin Observatory, Rayong	MPEC X127
2025 12 02.965231	11 54 40.054	+01 05 32.06	13.6 G	N42 – Tien-Shan Astronomical Observatory	MPEC X127
2025 12 02.968391	11 54 39.358	+01 05 35.77	13.5 G	N42 – Tien-Shan Astronomical Observatory	MPEC X127
2025 12 02.970822	11 54 38.779	+01 05 38.80	13.7 G	N42 – Tien-Shan Astronomical Observatory	MPEC X127
2025 12 03.164442	11 53 56.251	+01 09 27.80	15.3 G	Z24 – Tenerife Observatory-LCO B, Tenerife	MPEC X127
2025 12 03.184537	11 53 51.679	+01 09 49.79	13.7 G	I81 – Tarbatness Observatory, Portmahomack	MPEC X127
2025 12 03.185972	11 53 51.365	+01 09 51.16	14.1 G	I81 – Tarbatness Observatory, Portmahomack	MPEC X127
2025 12 03.187407	11 53 51.026	+01 09 53.39	13.8 G	I81 – Tarbatness Observatory, Portmahomack	MPEC X127
2025 12 03.195195	11 53 49.32	+01 10 03.6	12.6 G	Y83 – Observatorio Arcosur, Zaragoza	MPEC X127
2025 12 03.202163	11 53 47.77	+01 10 11.9	12.6 G	Y83 – Observatorio Arcosur, Zaragoza	MPEC X127
2025 12 03.209200	11 53 46.21	+01 10 20.2	12.7 G	Y83 – Observatorio Arcosur, Zaragoza	MPEC X127
2025 12 03.209786	11 53 46.159	+01 10 21.43	15.1 G	Z24 – Tenerife Observatory-LCO B, Tenerife	MPEC X127
2025 12 03.232847	11 53 40.915	+01 10 47.28	12.8 G	970 – Chelmsford	MPEC X127
2025 12 03.244583	11 53 38.278	+01 11 01.57	12.9 G	970 – Chelmsford	MPEC X127
2025 12 03.257766	11 53 35.342	+01 11 16.98	12.9 G	970 – Chelmsford	MPEC X127
2025 12 03.548370	11 52 30.627	+01 17 04.08	13.8 G	U69 – iTelescope SRO Observatory, Auberry	MPEC Y51
2025 12 03.548712	11 52 30.535	+01 17 04.06	10.6 r	G37 – Lowell Discovery Telescope	MPEC X127
2025 12 03.553448	11 52 29.458	+01 17 09.82		G37 – Lowell Discovery Telescope	MPEC X127
2025 12 03.554804	11 52 29.174	+01 17 11.86	13.8 G	U69 – iTelescope SRO Observatory, Auberry	MPEC Y51
2025 12 03.567638	11 52 26.256	+01 17 25.94	13.9 G	U69 – iTelescope SRO Observatory, Auberry	MPEC Y51
2025 12 03.604256	11 52 18.226	+01 18 11.92	12.20 o	T05 – ATLAS-HKO, Haleakala	MPEC X127
2025 12 03.607445	11 52 17.506	+01 18 15.70	12.30 o	T05 – ATLAS-HKO, Haleakala	MPEC X127
2025 12 03.614756	11 52 15.857	+01 18 24.44	12.20 o	T05 – ATLAS-HKO, Haleakala	MPEC X127
2025 12 03.633112	11 52 11.724	+01 18 46.33	12.13 o	T05 – ATLAS-HKO, Haleakala	MPEC X127
2025 12 03.909590	11 51 09.656	+01 24 18.10	13.1 G	O51 – Akin Observatory, Rayong	MPEC X127
2025 12 03.938144	11 51 03.181	+01 24 52.31	13.1 G	O51 – Akin Observatory, Rayong	MPEC X127

2025 12 03.949962	11 51 00.590	+01 25 06.10	13.1 G	O51 – Akin Observatory, Rayong	MPEC X127
2025 12 04.077602	11 50 31.834	+01 27 38.09	13.32 G	L54 – Berthelot Observatory, Hunedoara	MPEC X127
2025 12 04.094266	11 50 28.061	+01 27 57.82	13.25 G	L54 – Berthelot Observatory, Hunedoara	MPEC X127
2025 12 04.114713	11 50 23.417	+01 28 22.80	13.28 G	L54 – Berthelot Observatory, Hunedoara	MPEC X127
2025 12 04.15754	11 50 13.71	+01 29 14.5	13.4 G	M45 – Starhopper Observatory, Sfantu Gheorghe	MPEC X127
2025 12 04.15907	11 50 13.38	+01 29 16.2	13.4 G	M45 – Starhopper Observatory, Sfantu Gheorghe	MPEC X127
2025 12 04.16055	11 50 13.03	+01 29 18.1	13.4 G	M45 – Starhopper Observatory, Sfantu Gheorghe	MPEC X127
2025 12 04.330718	11 49 34.649	+01 32 49.06	12.7 G	W88 – Slooh.com Chile Observatory, La Dehesa	MPEC X127
2025 12 04.339306	11 49 32.674	+01 32 59.39	12.6 G	W88 – Slooh.com Chile Observatory, La Dehesa	MPEC X127
2025 12 05.11864	11 46 34.68	+01 48 43.7	13.9 G	L51 – MARGO, Nauchnyi	MPEC X127
2025 12 05.12288	11 46 33.69	+01 48 48.8	13.9 G	L51 – MARGO, Nauchnyi	MPEC X127
2025 12 05.12700	11 46 32.74	+01 48 53.8	13.8 G	L51 – MARGO, Nauchnyi	MPEC X127
2025 12 05.180475	11 46 20.441	+01 49 59.41	12.5 R	C23 – Olmen	MPEC X127
2025 12 05.187211	11 46 18.874	+01 50 07.76	12.5 R	C23 – Olmen	MPEC X127
2025 12 05.194699	11 46 17.150	+01 50 17.05	12.5 R	C23 – Olmen	MPEC X127
2025 12 05.202176	11 46 15.425	+01 50 26.12	12.5 R	C23 – Olmen	MPEC X127
2025 12 05.228220	11 46 09.41	+01 50 57.8	11.9 G	Z92 – Almalex Observatory, Leeds	MPEC X127
2025 12 05.238649	11 46 07.00	+01 51 10.6	12.1 G	Z92 – Almalex Observatory, Leeds	MPEC X127
2025 12 05.249437	11 46 04.51	+01 51 23.9	12.0 G	Z92 – Almalex Observatory, Leeds	MPEC X127
2025 12 05.474730	11 45 12.550	+01 56 02.29	14.7 V	H36 – Sandlot Observatory, Scranton	MPEC X127
2025 12 05.480790	11 45 11.134	+01 56 09.67	14.7 V	H36 – Sandlot Observatory, Scranton	MPEC X127
2025 12 05.486845	11 45 09.732	+01 56 17.20	14.7 V	H36 – Sandlot Observatory, Scranton	MPEC X127
2025 12 05.492037	11 45 08.513	+01 56 23.82	13.8 G	734 – Farpoint Observatory, Eskridge	MPEC X127
2025 12 05.495023	11 45 07.822	+01 56 27.56	13.8 G	734 – Farpoint Observatory, Eskridge	MPEC X127
2025 12 05.498021	11 45 07.126	+01 56 31.16	13.7 G	734 – Farpoint Observatory, Eskridge	MPEC X127
2025 12 05.781551	11 44 01.453	+02 02 22.15	13.1 G	Q21 – Southern Utsunomiya	MPEC X127
2025 12 05.791400	11 43 59.139	+02 02 34.60	13.0 G	Q21 – Southern Utsunomiya	MPEC X127
2025 12 05.801991	11 43 56.682	+02 02 47.68	13.0 G	Q21 – Southern Utsunomiya	MPEC X127
2025 12 05.83102	11 43 49.87	+02 03 24.6	11.7 V	P87 – Hirao Observatory, Yamaguchi	MPEC X127
2025 12 05.84316	11 43 47.03	+02 03 39.6		P87 – Hirao Observatory, Yamaguchi	MPEC X127
2025 12 05.85531	11 43 44.20	+02 03 54.9		P87 – Hirao Observatory, Yamaguchi	MPEC X127
2025 12 06.12952	11 42 40.18	+02 09 35.1	14.0 G	L51 – MARGO, Nauchnyi	MPEC X127
2025 12 06.13351	11 42 39.24	+02 09 40.1	14.1 G	L51 – MARGO, Nauchnyi	MPEC X127
2025 12 06.13755	11 42 38.29	+02 09 45.1	14.1 G	L51 – MARGO, Nauchnyi	MPEC X127
2025 12 06.164861	11 42 31.992	+02 10 20.03	13.2 r	213 – Observatorio Montcabre	MPEC X127
2025 12 06.177715	11 42 28.918	+02 10 35.33	12.61 G	160 – Castelmartini	MPEC X127
2025 12 06.180104	11 42 28.356	+02 10 37.93	14.2 G	M26 – Zen Observatory, Scandicci	MPEC X127
2025 12 06.189815	11 42 26.047	+02 10 50.26	13.13 G	L73 – Beato Ermanno Observatory, Impruneta	MPEC X127
2025 12 06.191204	11 42 25.713	+02 10 52.33	12.94 G	L73 – Beato Ermanno Observatory, Impruneta	MPEC X127
2025 12 06.192593	11 42 25.427	+02 10 54.07	12.80 G	L73 – Beato Ermanno Observatory, Impruneta	MPEC X127
2025 12 06.193342	11 42 25.233	+02 10 54.88	12.66 G	160 – Castelmartini	MPEC X127

2025 12 06.197373	11 42 24.302	+02 10 59.56	14.2 G	M26 – Zen Observatory, Scandicci	MPEC X127
2025 12 06.210028	11 42 21.303	+02 11 15.69	12.64 G	160 – Castelmartini	MPEC X127
2025 12 06.214005	11 42 20.355	+02 11 20.33	14.2 G	M26 – Zen Observatory, Scandicci	MPEC X127
2025 12 06.214792	11 42 20.227	+02 11 22.16	13.2 r	213 – Observatorio Montcabre	MPEC X127
2025 12 06.245486	11 42 12.977	+02 12 00.58	13.2 r	213 – Observatorio Montcabre	MPEC X127
2025 12 06.633512	11 40 41.812	+02 20 08.54	15.7 G	T12 – University of Hawaii 88-inch telescope, Maunak	MPEC X127
2025 12 06.661277	11 40 35.208	+02 20 43.54	15.8 G	T12 – University of Hawaii 88-inch telescope, Maunak	MPEC X127
2025 12 06.773056	11 40 08.838	+02 23 03.36	13.9 G	Q21 – Southern Utsunomiya	MPEC X127
2025 12 06.778356	11 40 07.590	+02 23 10.04	13.9 G	Q21 – Southern Utsunomiya	MPEC X127
2025 12 06.830255	11 39 55.221	+02 24 15.86	13.7 G	Q21 – Southern Utsunomiya	MPEC X127
2025 12 06.865198	11 39 47.025	+02 25 01.67	13.2 G	O51 – Akin Observatory, Rayong	MPEC X127
2025 12 06.886184	11 39 42.030	+02 25 28.31	13.2 G	O51 – Akin Observatory, Rayong	MPEC X127
2025 12 06.907279	11 39 36.985	+02 25 55.00	13.2 G	O51 – Akin Observatory, Rayong	MPEC X127
2025 12 07.185926	11 38 30.751	+02 31 46.27	13.5 r	232 – Masquefa Observatory	MPEC X127
2025 12 07.198333	11 38 27.768	+02 32 01.90	13.3 r	213 – Observatorio Montcabre	MPEC X127
2025 12 07.206385	11 38 25.855	+02 32 12.35	13.7 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC X127
2025 12 07.211516	11 38 24.605	+02 32 18.60	13.5 r	232 – Masquefa Observatory	MPEC X127
2025 12 07.212676	11 38 24.345	+02 32 20.39	13.7 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC X127
2025 12 07.218780	11 38 22.883	+02 32 28.18	13.7 G	R59 – Camarasa Observatory, Astrocamp Nerpio	MPEC X127
2025 12 07.224850	11 38 21.408	+02 32 35.74	13.3 r	213 – Observatorio Montcabre	MPEC X127
2025 12 07.236806	11 38 18.540	+02 32 50.78	13.5 r	232 – Masquefa Observatory	MPEC X127
2025 12 07.251076	11 38 15.110	+02 33 09.18	13.3 r	213 – Observatorio Montcabre	MPEC X127
2025 12 07.274028	11 38 09.737	+02 33 39.42	12.5 G	G40 – Slooh.com Canary Islands Observatory	MPEC X127
2025 12 07.275116	11 38 09.480	+02 33 40.82	12.5 G	G40 – Slooh.com Canary Islands Observatory	MPEC X127
2025 12 07.278947	11 38 08.561	+02 33 45.50	12.5 G	G40 – Slooh.com Canary Islands Observatory	MPEC X127
2025 12 07.442032	11 37 29.852	+02 37 11.50	11.29 G	703 – Catalina Sky Survey	MPEC X127
2025 12 07.444292	11 37 29.305	+02 37 14.41	11.33 G	703 – Catalina Sky Survey	MPEC X127
2025 12 07.446557	11 37 28.751	+02 37 17.26	11.40 G	703 – Catalina Sky Survey	MPEC X127
2025 12 07.448824	11 37 28.211	+02 37 20.21	11.35 G	703 – Catalina Sky Survey	MPEC X127
2025 12 07.526835	11 37 09.250	+02 39 00.56	15.6 G	705 – Apache Point	MPEC Y51
2025 12 07.532211	11 37 07.944	+02 39 07.60	13.7 G	V21 – Cewanee Observatory at DSNM	MPEC X127
2025 12 07.532835	11 37 07.799	+02 39 08.14	15.5 G	705 – Apache Point	MPEC Y51
2025 12 07.539294	11 37 06.244	+02 39 16.43	16.0 G	705 – Apache Point	MPEC Y51
2025 12 07.539907	11 37 06.074	+02 39 17.78	13.6 G	V21 – Cewanee Observatory at DSNM	MPEC X127
2025 12 07.547593	11 37 04.241	+02 39 27.32	13.7 G	V21 – Cewanee Observatory at DSNM	MPEC X127
2025 12 07.58502	11 36 55.35	+02 40 22.2	14.7 V	E94 – Possum Observatory, Gisborne	MPEC X127
2025 12 07.60038	11 36 51.74	+02 40 40.7	14.9 V	E94 – Possum Observatory, Gisborne	MPEC X127
2025 12 07.61594	11 36 48.00	+02 41 00.5	14.8 V	E94 – Possum Observatory, Gisborne	MPEC X127
2025 12 07.761736	11 36 12.912	+02 44 00.84	13.9 G	Q21 – Southern Utsunomiya	MPEC X127
2025 12 07.769664	11 36 10.987	+02 44 11.31	14.1 G	Q21 – Southern Utsunomiya	MPEC X127
2025 12 07.772303	11 36 10.375	+02 44 14.74	14.1 G	Q21 – Southern Utsunomiya	MPEC X127

2025 12 08.095463	11 34 52.360	+02 51 09.25	13.5 G	056 – Skalnate Pleso	MPEC X127
2025 12 08.134456	11 34 43.022	+02 51 59.89	14.1 G	G05 – Piconcillo, Sierra Morena	MPEC X127
2025 12 08.138738	11 34 41.914	+02 52 05.80	14.3 G	G05 – Piconcillo, Sierra Morena	MPEC X127
2025 12 08.144444	11 34 40.567	+02 52 12.90	14.1 G	G05 – Piconcillo, Sierra Morena	MPEC X127
2025 12 08.153750	11 34 38.304	+02 52 25.57	13.2 r	213 – Observatorio Montcabre	MPEC X127
2025 12 08.181505	11 34 31.502	+02 53 00.67	13.5 r	B70 – Sant Celoni	MPEC X127
2025 12 08.185463	11 34 30.538	+02 53 05.75	13.4 r	B70 – Sant Celoni	MPEC X127
2025 12 08.189421	11 34 29.570	+02 53 10.86	13.3 r	B70 – Sant Celoni	MPEC X127
2025 12 08.192766	11 34 28.737	+02 53 14.84	12.71 G	160 – Castelmartini	MPEC X127
2025 12 08.197998	11 34 27.526	+02 53 22.88	13.3 r	213 – Observatorio Montcabre	MPEC X127
2025 12 08.199780	11 34 27.002	+02 53 24.00	12.5 V	R92 – Osterholz-Scharmbeck	MPEC X127
2025 12 08.203163	11 34 26.197	+02 53 28.25	12.7 G	160 – Castelmartini	MPEC X127
2025 12 08.210150	11 34 24.485	+02 53 37.28	12.4 V	R92 – Osterholz-Scharmbeck	MPEC X127
2025 12 08.213488	11 34 23.680	+02 53 41.60	12.7 G	160 – Castelmartini	MPEC X127
2025 12 08.217859	11 34 22.584	+02 53 47.65	12.5 V	R92 – Osterholz-Scharmbeck	MPEC X127
2025 12 08.22963	11 34 19.76	+02 54 02.8	13.6 r	L27 – 29PREMOTE Observatory, Dauban	MPEC X127
2025 12 08.23160	11 34 19.28	+02 54 05.4	13.5 r	L27 – 29PREMOTE Observatory, Dauban	MPEC X127
2025 12 08.23357	11 34 18.80	+02 54 07.9	13.5 r	L27 – 29PREMOTE Observatory, Dauban	MPEC X127
2025 12 08.23553	11 34 18.32	+02 54 10.5	13.5 r	L27 – 29PREMOTE Observatory, Dauban	MPEC X127
2025 12 08.23750	11 34 17.84	+02 54 13.4	13.6 r	L27 – 29PREMOTE Observatory, Dauban	MPEC X127
2025 12 08.23947	11 34 17.36	+02 54 15.5	13.4 r	L27 – 29PREMOTE Observatory, Dauban	MPEC X127
2025 12 08.241875	11 34 16.829	+02 54 19.44	13.3 r	213 – Observatorio Montcabre	MPEC X127
2025 12 08.249317	11 34 15.058	+02 54 29.34	13.0 G	J51 – Observatorio Atlante, Tenerife	MPEC X127
2025 12 08.254572	11 34 13.781	+02 54 36.22	13.0 G	J51 – Observatorio Atlante, Tenerife	MPEC X127
2025 12 08.259676	11 34 12.528	+02 54 42.77	13.1 G	J51 – Observatorio Atlante, Tenerife	MPEC X127
2025 12 08.301536	11 34 02.522	+02 55 41.23	12.48 o	W68 – ATLAS Chile, Rio Hurtado	MPEC X127
2025 12 08.303339	11 34 02.105	+02 55 43.25	12.13 o	W68 – ATLAS Chile, Rio Hurtado	MPEC X127
2025 12 08.304711	11 34 01.735	+02 55 45.34	12.49 o	W68 – ATLAS Chile, Rio Hurtado	MPEC X127
2025 12 08.307449	11 34 01.094	+02 55 48.79	12.31 o	W68 – ATLAS Chile, Rio Hurtado	MPEC X127
2025 12 08.310213	11 34 00.391	+02 55 52.32	12.46 o	W68 – ATLAS Chile, Rio Hurtado	MPEC X127
2025 12 08.313486	11 33 59.606	+02 55 56.35	12.13 o	W68 – ATLAS Chile, Rio Hurtado	MPEC X127
2025 12 08.325363	11 33 56.707	+02 56 12.12	12.51 o	W68 – ATLAS Chile, Rio Hurtado	MPEC X127
2025 12 08.334136	11 33 54.574	+02 56 23.21	12.39 o	W68 – ATLAS Chile, Rio Hurtado	MPEC X127
2025 12 08.38845	11 33 41.46	+02 57 31.6	12.3 R	H78 – University of Narino Observatory, Pasto	MPEC Y51
2025 12 08.38932	11 33 41.24	+02 57 32.2	12.2 R	H78 – University of Narino Observatory, Pasto	MPEC Y51
2025 12 08.39107	11 33 40.81	+02 57 35.0	12.2 R	H78 – University of Narino Observatory, Pasto	MPEC Y51
2025 12 08.39280	11 33 40.40	+02 57 36.8	12.2 R	H78 – University of Narino Observatory, Pasto	MPEC Y51
2025 12 08.39320	11 33 40.30	+02 57 38.1	12.2 R	H78 – University of Narino Observatory, Pasto	MPEC Y51
2025 12 08.39360	11 33 40.23	+02 57 38.2	12.1 R	H78 – University of Narino Observatory, Pasto	MPEC Y51
2025 12 08.39623	11 33 39.56	+02 57 41.2	12.0 R	H78 – University of Narino Observatory, Pasto	MPEC Y51
2025 12 08.39722	11 33 39.33	+02 57 42.6	12.2 R	H78 – University of Narino Observatory, Pasto	MPEC Y51

2025 12 08.39821	11 33 39.08	+02 57 43.9	12.2 R	H78 – University of Narino Observatory, Pasto	MPEC Y51
2025 12 08.39920	11 33 38.80	+02 57 45.5	12.1 R	H78 – University of Narino Observatory, Pasto	MPEC Y51
2025 12 08.40019	11 33 38.60	+02 57 46.5	12.2 R	H78 – University of Narino Observatory, Pasto	MPEC Y51
2025 12 08.40118	11 33 38.36	+02 57 47.9	12.1 R	H78 – University of Narino Observatory, Pasto	MPEC Y51
2025 12 08.40217	11 33 38.08	+02 57 49.2	12.1 R	H78 – University of Narino Observatory, Pasto	MPEC Y51
2025 12 08.40283	11 33 37.94	+02 57 50.0	12.1 R	H78 – University of Narino Observatory, Pasto	MPEC Y51
2025 12 08.40716	11 33 36.88	+02 57 55.6	12.1 R	H78 – University of Narino Observatory, Pasto	MPEC Y51
2025 12 08.40818	11 33 36.64	+02 57 56.9	12.1 R	H78 – University of Narino Observatory, Pasto	MPEC Y51
2025 12 08.40870	11 33 36.53	+02 57 57.7	12.0 R	H78 – University of Narino Observatory, Pasto	MPEC Y51
2025 12 08.40922	11 33 36.39	+02 57 58.6	12.0 R	H78 – University of Narino Observatory, Pasto	MPEC Y51
2025 12 08.436542	11 33 29.718	+02 58 28.99	11.44 G	703 – Catalina Sky Survey	MPEC X127
2025 12 08.438820	11 33 29.174	+02 58 31.91	11.35 G	703 – Catalina Sky Survey	MPEC X127
2025 12 08.441095	11 33 28.627	+02 58 34.57	11.28 G	703 – Catalina Sky Survey	MPEC X127
2025 12 08.443373	11 33 28.087	+02 58 37.49	11.16 G	703 – Catalina Sky Survey	MPEC X127
2025 12 08.514433	11 33 10.750	+03 00 12.85	12.27 o	T05 – ATLAS-HKO, Haleakala	MPEC X127
2025 12 08.518074	11 33 09.890	+03 00 17.60	12.38 o	T05 – ATLAS-HKO, Haleakala	MPEC X127
2025 12 08.529484	11 33 07.116	+03 00 32.36	12.43 o	T05 – ATLAS-HKO, Haleakala	MPEC X127
2025 12 08.536840	11 33 05.299	+03 00 41.65	13.89 o	T05 – ATLAS-HKO, Haleakala	MPEC X127
2025 12 09.03765	11 31 02.64	+03 11 31.6	12.7 G	C40 – Kuban State University Astrophysical Observato	MPEC Y51
2025 12 09.04947	11 30 59.74	+03 11 47.0	12.8 G	C40 – Kuban State University Astrophysical Observato	MPEC Y51
2025 12 09.06129	11 30 56.81	+03 12 02.6	12.7 G	C40 – Kuban State University Astrophysical Observato	MPEC Y51
2025 12 09.067208	11 30 55.343	+03 12 10.68	15.28 G	L92 – San Costantino	MPEC X127
2025 12 09.088521	11 30 50.142	+03 12 38.19	15.16 G	L92 – San Costantino	MPEC X127
2025 12 09.112670	11 30 44.190	+03 13 10.11	15.38 G	L92 – San Costantino	MPEC X127
2025 12 09.146238	11 30 35.926	+03 13 54.44	13.4 r	213 – Observatorio Montcabre	MPEC X127
2025 12 09.149058	11 30 35.351	+03 13 58.48	15.08 G	Y68 – Two-meter Twin Telescope, TTT3	MPEC X127
2025 12 09.169793	11 30 30.065	+03 14 24.47	13.0 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC X127
2025 12 09.171670	11 30 29.587	+03 14 26.88	13.0 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC X127
2025 12 09.172373	11 30 29.506	+03 14 28.61	13.5 G	R49 – Observatorio Villuercas-Navezuelas, Navezuelas	MPEC X127
2025 12 09.172731	11 30 29.388	+03 14 29.11	13.5 G	R49 – Observatorio Villuercas-Navezuelas, Navezuelas	MPEC Y51
2025 12 09.174472	11 30 28.918	+03 14 30.44	13.0 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC X127
2025 12 09.176574	11 30 28.382	+03 14 33.11	13.0 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC X127
2025 12 09.179376	11 30 27.698	+03 14 36.85	13.1 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC X127
2025 12 09.181600	11 30 27.297	+03 14 40.97	15.15 G	Y68 – Two-meter Twin Telescope, TTT3	MPEC X127
2025 12 09.188981	11 30 25.382	+03 14 50.14	13.5 G	R49 – Observatorio Villuercas-Navezuelas, Navezuelas	MPEC X127
2025 12 09.192546	11 30 24.478	+03 14 55.18	13.5 G	R49 – Observatorio Villuercas-Navezuelas, Navezuelas	MPEC Y51
2025 12 09.193218	11 30 24.307	+03 14 56.04	13.4 r	213 – Observatorio Montcabre	MPEC X127
2025 12 09.193484	11 30 24.216	+03 14 55.66	13.5 G	A77 – Observatoire Chante-Perdrix, Dauban	MPEC X127
2025 12 09.203845	11 30 21.789	+03 15 10.12	15.39 G	Y68 – Two-meter Twin Telescope, TTT3	MPEC X127
2025 12 09.206007	11 30 21.092	+03 15 12.28	14.1 G	A77 – Observatoire Chante-Perdrix, Dauban	MPEC X127
2025 12 09.219583	11 30 17.736	+03 15 29.52	14.1 G	A77 – Observatoire Chante-Perdrix, Dauban	MPEC X127

2025 12 09.220289	11 30 17.612	+03 15 30.91	13.5 G	R49 – Observatorio Villuercas-Navezuelas, Navezuelas	MPEC X127
2025 12 09.224456	11 30 16.565	+03 15 36.79	13.3 G	R49 – Observatorio Villuercas-Navezuelas, Navezuelas	MPEC Y51
2025 12 09.239815	11 30 12.756	+03 15 57.17	13.4 r	213 – Observatorio Montcabre	MPEC X127
2025 12 09.438995	11 29 23.870	+03 20 16.30	11.28 G	703 – Catalina Sky Survey	MPEC X127
2025 12 09.441308	11 29 23.291	+03 20 19.36	11.22 G	703 – Catalina Sky Survey	MPEC X127
2025 12 09.443616	11 29 22.697	+03 20 22.34	11.21 G	703 – Catalina Sky Survey	MPEC X127
2025 12 09.445919	11 29 22.038	+03 20 26.45	11.24 G	703 – Catalina Sky Survey	MPEC X127
2025 12 09.46227	11 29 17.98	+03 20 48.4	10.4 V	U76 – Maury Lewin Observatory, Glendora	MPEC X127
2025 12 09.477864	11 29 14.074	+03 21 09.52	13.6 G	V17 – Leo Observatory, Tucson	MPEC X127
2025 12 09.482745	11 29 12.852	+03 21 15.90	13.6 G	V17 – Leo Observatory, Tucson	MPEC X127
2025 12 09.487626	11 29 11.632	+03 21 22.46	14.0 G	V17 – Leo Observatory, Tucson	MPEC X127
2025 12 09.49092	11 29 10.81	+03 21 26.3	10.2 V	U76 – Maury Lewin Observatory, Glendora	MPEC X127
2025 12 09.499711	11 29 08.566	+03 21 37.66	14.1 G	734 – Farpoint Observatory, Eskridge	MPEC X127
2025 12 09.502801	11 29 07.795	+03 21 41.83	14.0 G	734 – Farpoint Observatory, Eskridge	MPEC X127
2025 12 09.509005	11 29 06.247	+03 21 50.00	14.0 G	734 – Farpoint Observatory, Eskridge	MPEC X127
2025 12 09.51902	11 29 03.81	+03 22 02.6		U76 – Maury Lewin Observatory, Glendora	MPEC X127
2025 12 09.578944	11 28 49.102	+03 23 23.53	12.63 o	T05 – ATLAS-HKO, Haleakala	MPEC X127
2025 12 09.57986	11 28 48.83	+03 23 28.5	15.0 V	E94 – Possum Observatory, Gisborne	MPEC X127
2025 12 09.584875	11 28 47.626	+03 23 31.42	12.51 o	T05 – ATLAS-HKO, Haleakala	MPEC X127
2025 12 09.588519	11 28 46.711	+03 23 36.20	12.54 o	T05 – ATLAS-HKO, Haleakala	MPEC X127
2025 12 09.59146	11 28 45.94	+03 23 42.3	14.7 V	E94 – Possum Observatory, Gisborne	MPEC X127
2025 12 09.59948	11 28 44.01	+03 23 54.2	14.7 V	E94 – Possum Observatory, Gisborne	MPEC X127
2025 12 09.599917	11 28 43.872	+03 23 51.22	12.50 o	T05 – ATLAS-HKO, Haleakala	MPEC X127
2025 12 09.692928	11 28 20.859	+03 25 52.08	13.6 G	Q21 – Southern Utsunomiya	MPEC X127
2025 12 09.716412	11 28 15.017	+03 26 23.32	14.9 G	Q21 – Southern Utsunomiya	MPEC X127
2025 12 09.789873	11 27 56.667	+03 28 00.12	13.9 G	Q21 – Southern Utsunomiya	MPEC X127
2025 12 10.105231	11 26 38.052	+03 34 59.02		088 – Kottomia	MPEC X127
2025 12 10.106296	11 26 37.790	+03 34 59.74		088 – Kottomia	MPEC X127
2025 12 10.107373	11 26 37.507	+03 35 01.25		088 – Kottomia	MPEC X127
2025 12 10.108449	11 26 37.202	+03 35 02.76	14.6 G	088 – Kottomia	MPEC X127
2025 12 10.109525	11 26 36.950	+03 35 04.13		088 – Kottomia	MPEC X127
2025 12 10.110602	11 26 36.694	+03 35 05.68	14.7 G	088 – Kottomia	MPEC X127
2025 12 10.111678	11 26 36.355	+03 35 07.44		088 – Kottomia	MPEC X127
2025 12 10.112755	11 26 36.199	+03 35 08.95		088 – Kottomia	MPEC X127
2025 12 10.113831	11 26 35.854	+03 35 10.54		088 – Kottomia	MPEC X127
2025 12 10.114896	11 26 35.611	+03 35 11.22	14.8 G	088 – Kottomia	MPEC X127
2025 12 10.141882	11 26 28.848	+03 35 46.01	15.2 G	L85 – BiAnto Observatory, Lauria	MPEC Y51
2025 12 10.154355	11 26 25.741	+03 36 01.62	15.0 G	L85 – BiAnto Observatory, Lauria	MPEC Y51
2025 12 10.175770	11 26 20.363	+03 36 30.52	13.4 G	L85 – BiAnto Observatory, Lauria	MPEC Y51
2025 12 10.194495	11 26 15.66	+03 36 54.8	11.9 G	Z92 – Almalex Observatory, Leeds	MPEC X127
2025 12 10.196625	11 26 15.12	+03 36 57.4	12.1 G	Z92 – Almalex Observatory, Leeds	MPEC X127

2025 12 10.197614	11 26 14.88	+03 36 58.7	12.4 G	Z92 – Almalex Observatory, Leeds	MPEC X127
2025 12 10.199884	11 26 14.290	+03 37 02.10	13.7 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC X127
2025 12 10.208642	11 26 12.074	+03 37 13.94	13.7 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC X127
2025 12 10.220903	11 26 09.007	+03 37 30.00	13.8 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC X127
2025 12 10.230010	11 26 06.739	+03 37 42.13	13.6 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC X127
2025 12 10.232814	11 26 05.981	+03 37 45.08	13.5 V	K74 – Muensterschwarzach Observatory, Schwarzach	MPEC X127
2025 12 10.41588	11 25 20.29	+03 41 53.1	12.2 R	H78 – University of Narino Observatory, Pasto	MPEC Y51
2025 12 10.41800	11 25 19.80	+03 41 55.8	12.2 R	H78 – University of Narino Observatory, Pasto	MPEC Y51
2025 12 10.42199	11 25 18.77	+03 42 01.0	12.2 R	H78 – University of Narino Observatory, Pasto	MPEC Y51
2025 12 10.535266	11 24 50.157	+03 44 28.91	17.66 G	G37 – Lowell Discovery Telescope	MPEC X127
2025 12 10.535752	11 24 50.023	+03 44 29.53	17.69 G	G37 – Lowell Discovery Telescope	MPEC X127
2025 12 11.053264	11 22 39.430	+03 56 00.92	12.9 R	C23 – Olmen	MPEC X127
2025 12 11.055671	11 22 38.861	+03 56 03.84	12.9 R	C23 – Olmen	MPEC X127
2025 12 11.058484	11 22 38.126	+03 56 07.91	12.9 R	C23 – Olmen	MPEC X127
2025 12 11.074375	11 22 34.038	+03 56 29.27	12.9 G	056 – Skalnate Pleso	MPEC X127
2025 12 11.134535	11 22 18.910	+03 57 51.04	15.25 G	Y68 – Two-meter Twin Telescope, TTT3	MPEC X127
2025 12 11.151526	11 22 14.572	+03 58 13.84	15.27 G	Y68 – Two-meter Twin Telescope, TTT3	MPEC X127
2025 12 11.165822	11 22 10.712	+03 58 32.03	13.3 G	L04 – ROASTERR-1 Observatory, Cluj-Napoca	MPEC Y51
2025 12 11.166519	11 22 10.740	+03 58 33.98	15.28 G	Y68 – Two-meter Twin Telescope, TTT3	MPEC X127
2025 12 11.176458	11 22 07.989	+03 58 46.32	13.3 G	L04 – ROASTERR-1 Observatory, Cluj-Napoca	MPEC Y51
2025 12 11.187083	11 22 05.279	+03 59 00.68	13.3 G	L04 – ROASTERR-1 Observatory, Cluj-Napoca	MPEC Y51
2025 12 11.522627	11 20 39.931	+04 06 32.94	14.5 V	U76 – Maury Lewin Observatory, Glendora	MPEC X127
2025 12 11.535301	11 20 36.660	+04 06 50.00	14.4 V	U76 – Maury Lewin Observatory, Glendora	MPEC X127
2025 12 11.550984	11 20 32.614	+04 07 11.24	14.5 V	U76 – Maury Lewin Observatory, Glendora	MPEC X127
2025 12 11.983032	11 18 41.940	+04 16 56.06	13.6 G	N56 – Jiama'erdeng Tianwentai JIST project, Ali, Tib	MPEC X127
2025 12 11.988972	11 18 40.414	+04 17 03.98	13.5 G	N56 – Jiama'erdeng Tianwentai JIST project, Ali, Tib	MPEC X127
2025 12 11.994584	11 18 38.962	+04 17 11.49	13.4 G	N56 – Jiama'erdeng Tianwentai JIST project, Ali, Tib	MPEC X127
2025 12 12.480099	11 16 33.691	+04 28 11.06	14.5 V	H36 – Sandlot Observatory, Scranton	MPEC Y51
2025 12 12.491465	11 16 30.710	+04 28 26.33	14.7 V	H36 – Sandlot Observatory, Scranton	MPEC Y51
2025 12 12.496655	11 16 29.383	+04 28 33.64	14.3 G	734 – Farpoint Observatory, Eskridge	MPEC Y51
2025 12 12.499977	11 16 28.572	+04 28 38.96	14.05 G	V21 – Cewanee Observatory at DSNM	MPEC Y51
2025 12 12.501817	11 16 28.042	+04 28 40.69	14.3 G	734 – Farpoint Observatory, Eskridge	MPEC Y51
2025 12 12.502815	11 16 27.782	+04 28 41.92	14.8 V	H36 – Sandlot Observatory, Scranton	MPEC Y51
2025 12 12.506979	11 16 26.698	+04 28 47.71	14.3 G	734 – Farpoint Observatory, Eskridge	MPEC Y51
2025 12 12.514907	11 16 24.665	+04 28 59.34	13.94 G	V21 – Cewanee Observatory at DSNM	MPEC Y51
2025 12 12.516111	11 16 24.418	+04 29 00.53	14.5 V	U76 – Maury Lewin Observatory, Glendora	MPEC Y51
2025 12 12.529838	11 16 20.789	+04 29 19.46	14.03 G	V21 – Cewanee Observatory at DSNM	MPEC Y51
2025 12 12.534583	11 16 19.589	+04 29 25.94	14.5 V	U76 – Maury Lewin Observatory, Glendora	MPEC Y51
2025 12 12.544769	11 16 16.872	+04 29 40.02	13.97 G	V21 – Cewanee Observatory at DSNM	MPEC Y51
2025 12 12.553056	11 16 14.738	+04 29 51.29	14.5 V	U76 – Maury Lewin Observatory, Glendora	MPEC Y51
2025 12 12.771635	11 15 18.148	+04 34 49.72	13.8 G	Q06 – Tarui Observatory, Tarui	MPEC Y51

2025 12 12.789122	11 15 13.587	+04 35 13.28	13.9 G	Q06 – Tarui Observatory, Tarui	MPEC Y51
2025 12 12.806055	11 15 09.214	+04 35 36.17	13.9 G	Q06 – Tarui Observatory, Tarui	MPEC Y51
2025 12 12.980081	11 14 23.810	+04 39 35.33	13.4 G	N56 – Jiama'erdeng Tianwentai JIST project, Ali, Tib	MPEC Y51
2025 12 12.986103	11 14 22.228	+04 39 43.18	13.5 G	N56 – Jiama'erdeng Tianwentai JIST project, Ali, Tib	MPEC Y51
2025 12 12.991781	11 14 20.725	+04 39 50.76	13.6 G	N56 – Jiama'erdeng Tianwentai JIST project, Ali, Tib	MPEC Y51
2025 12 13.091782	11 13 54.714	+04 42 06.44	16.2 G	I81 – Tarbatness Observatory, Portmahomack	MPEC Y51
2025 12 13.103021	11 13 51.766	+04 42 21.89	16.0 G	I81 – Tarbatness Observatory, Portmahomack	MPEC Y51
2025 12 13.115984	11 13 48.446	+04 42 39.36	15.9 G	I81 – Tarbatness Observatory, Portmahomack	MPEC Y51
2025 12 13.116262	11 13 48.337	+04 42 40.66	13.4 G	D66 – Civico Osservatorio Astronomico di Rozzano	MPEC Y51
2025 12 13.121667	11 13 46.928	+04 42 48.21	13.4 G	D66 – Civico Osservatorio Astronomico di Rozzano	MPEC Y51
2025 12 13.126933	11 13 45.546	+04 42 55.37	13.4 G	D66 – Civico Osservatorio Astronomico di Rozzano	MPEC Y51
2025 12 13.145220	11 13 40.753	+04 43 20.47	14.6 G	R83 – Observatoire Banon La Tuilerie, Banon	MPEC Y51
2025 12 13.154109	11 13 38.465	+04 43 33.38	14.6 G	R83 – Observatoire Banon La Tuilerie, Banon	MPEC Y51
2025 12 13.163160	11 13 36.054	+04 43 45.14	14.4 G	R83 – Observatoire Banon La Tuilerie, Banon	MPEC Y51
2025 12 13.18656	11 13 29.93	+04 44 17.3	13.2 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC Y51
2025 12 13.18979	11 13 29.06	+04 44 21.9	13.1 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC Y51
2025 12 13.192384	11 13 28.274	+04 44 25.08	12.2 G	C36 – Starry Wanderer Observatory, Baran'	MPEC Y51
2025 12 13.19303	11 13 28.17	+04 44 26.3	13.2 R	A77 – Observatoire Chante-Perdrix, Dauban	MPEC Y51
2025 12 13.193113	11 13 28.114	+04 44 26.30	12.0 G	C36 – Starry Wanderer Observatory, Baran'	MPEC Y51
2025 12 13.195266	11 13 27.542	+04 44 29.29	12.0 G	C36 – Starry Wanderer Observatory, Baran'	MPEC Y51
2025 12 13.196296	11 13 27.204	+04 44 31.09	12.1 G	C36 – Starry Wanderer Observatory, Baran'	MPEC Y51
2025 12 13.200613	11 13 26.026	+04 44 36.71	12.7 G	C36 – Starry Wanderer Observatory, Baran'	MPEC Y51
2025 12 13.201181	11 13 25.944	+04 44 37.00	12.4 G	C36 – Starry Wanderer Observatory, Baran'	MPEC Y51
2025 12 13.201516	11 13 25.944	+04 44 37.97	12.4 G	C36 – Starry Wanderer Observatory, Baran'	MPEC Y51
2025 12 13.344528	11 12 48.692	+04 47 55.62	13.4 G	W42 – Mind's Eye Observatory, Vero Beach	MPEC Y51
2025 12 13.365344	11 12 43.203	+04 48 24.15	13.6 G	W42 – Mind's Eye Observatory, Vero Beach	MPEC Y51
2025 12 13.386265	11 12 37.698	+04 48 53.06	13.5 G	W42 – Mind's Eye Observatory, Vero Beach	MPEC Y51
2025 12 13.586217	11 11 45.216	+04 53 29.15	12.61 o	T08 – ATLAS-MLO, Mauna Loa	MPEC Y51
2025 12 13.589872	11 11 44.261	+04 53 34.22	12.54 o	T08 – ATLAS-MLO, Mauna Loa	MPEC Y51
2025 12 13.605131	11 11 40.217	+04 53 55.28	12.55 o	T08 – ATLAS-MLO, Mauna Loa	MPEC Y51
2025 12 13.611986	11 11 38.398	+04 54 04.68	12.56 o	T08 – ATLAS-MLO, Mauna Loa	MPEC Y51
2025 12 13.858528	11 10 33.475	+04 59 45.42	13.6 G	O51 – Akin Observatory, Rayong	MPEC Y51
2025 12 13.896330	11 10 23.424	+05 00 37.66	13.6 G	O51 – Akin Observatory, Rayong	MPEC Y51
2025 12 13.933953	11 10 13.423	+05 01 29.42	13.6 G	O51 – Akin Observatory, Rayong	MPEC Y51
2025 12 14.049433	11 09 43.203	+05 04 07.58	13.5 G	Z97 – OPERA Observatory, Saint Palais	MPEC Y51
2025 12 14.052454	11 09 42.252	+05 04 10.62	14.3 G	M35 – PS Observatory, Parjol	MPEC Y51
2025 12 14.067431	11 09 38.273	+05 04 31.51	14.3 G	M35 – PS Observatory, Parjol	MPEC Y51
2025 12 14.069340	11 09 37.890	+05 04 35.30	13.4 G	Z97 – OPERA Observatory, Saint Palais	MPEC Y51
2025 12 14.077650	11 09 35.551	+05 04 45.48	14.4 G	M35 – PS Observatory, Parjol	MPEC Y51
2025 12 14.083565	11 09 34.116	+05 04 55.00	13.4 G	Z97 – OPERA Observatory, Saint Palais	MPEC Y51
2025 12 14.100833	11 09 29.602	+05 05 17.02	14.8 G	J01 – Observatorio Cielo Profundo, Leon	MPEC Y51

2025 12 14.113542	11 09 26.134	+05 05 35.84	14.8 G	J01 – Observatorio Cielo Profundo, Leon	MPEC Y51
2025 12 14.11724	11 09 25.01	+05 05 40.5	13.0 G	C40 – Kuban State University Astrophysical Observato	MPEC Y51
2025 12 14.121319	11 09 24.060	+05 05 46.64	13.8 r	213 – Observatorio Montcabre	MPEC Y51
2025 12 14.121493	11 09 23.983	+05 05 46.61	14.8 G	J01 – Observatorio Cielo Profundo, Leon	MPEC Y51
2025 12 14.12297	11 09 23.48	+05 05 48.4	13.0 G	C40 – Kuban State University Astrophysical Observato	MPEC Y51
2025 12 14.12864	11 09 21.97	+05 05 56.3	13.0 G	C40 – Kuban State University Astrophysical Observato	MPEC Y51
2025 12 14.130984	11 09 21.518	+05 05 59.64	14.6 G	J01 – Observatorio Cielo Profundo, Leon	MPEC Y51
2025 12 14.182373	11 09 07.810	+05 07 11.24	13.8 r	213 – Observatorio Montcabre	MPEC Y51
2025 12 14.195613	11 09 04.246	+05 07 29.35	13.8 G	K19 – PASTIS Observatory, Banon	MPEC Y51
2025 12 14.199225	11 09 03.310	+05 07 34.46	13.8 G	K19 – PASTIS Observatory, Banon	MPEC Y51
2025 12 14.202824	11 09 02.340	+05 07 39.25	13.8 G	K19 – PASTIS Observatory, Banon	MPEC Y51
2025 12 14.243009	11 08 51.638	+05 08 35.30	13.7 r	213 – Observatorio Montcabre	MPEC Y51
2025 12 14.25694	11 08 47.97	+05 08 54.1	13.3 R	Y88 – ASERO, Valdin	MPEC Y51
2025 12 14.25904	11 08 47.43	+05 08 57.8	13.2 R	Y88 – ASERO, Valdin	MPEC Y51
2025 12 14.26149	11 08 46.75	+05 09 01.4	13.3 R	Y88 – ASERO, Valdin	MPEC Y51
2025 12 14.323644	11 08 30.449	+05 10 32.59	12.84 o	W68 – ATLAS Chile, Rio Hurtado	MPEC Y51
2025 12 14.327294	11 08 29.462	+05 10 37.56	12.75 o	W68 – ATLAS Chile, Rio Hurtado	MPEC Y51
2025 12 14.334690	11 08 27.487	+05 10 48.04	12.69 o	W68 – ATLAS Chile, Rio Hurtado	MPEC Y51
2025 12 14.344749	11 08 24.814	+05 11 02.04	12.78 o	W68 – ATLAS Chile, Rio Hurtado	MPEC Y51
2025 12 14.48656	11 07 47.08	+05 14 13.3	14.4 N	290 – Mt. Graham-VATT	MPEC Y51
2025 12 14.48836	11 07 46.61	+05 14 15.8	14.3 N	290 – Mt. Graham-VATT	MPEC Y51
2025 12 14.49352	11 07 45.23	+05 14 23.0	14.4 N	290 – Mt. Graham-VATT	MPEC Y51
2025 12 14.49529	11 07 44.75	+05 14 25.4	14.4 N	290 – Mt. Graham-VATT	MPEC Y51
2025 12 14.49778	11 07 44.08	+05 14 28.7	14.3 N	290 – Mt. Graham-VATT	MPEC Y51
2025 12 14.49858	11 07 43.89	+05 14 30.0	14.4 N	290 – Mt. Graham-VATT	MPEC Y51
2025 12 14.49938	11 07 43.66	+05 14 31.4	14.4 N	290 – Mt. Graham-VATT	MPEC Y51
2025 12 14.54993	11 07 30.10	+05 15 41.6	14.2 N	290 – Mt. Graham-VATT	MPEC Y51
2025 12 14.55030	11 07 30.04	+05 15 42.0	14.3 N	290 – Mt. Graham-VATT	MPEC Y51
2025 12 14.55067	11 07 29.93	+05 15 42.7	14.3 N	290 – Mt. Graham-VATT	MPEC Y51
2025 12 14.55104	11 07 29.83	+05 15 42.9	14.3 N	290 – Mt. Graham-VATT	MPEC Y51
2025 12 14.55142	11 07 29.73	+05 15 43.4	14.4 N	290 – Mt. Graham-VATT	MPEC Y51
2025 12 14.55179	11 07 29.64	+05 15 43.7	14.4 N	290 – Mt. Graham-VATT	MPEC Y51
2025 12 14.86736	11 06 05.62	+05 23 04.8	14.1 r	O54 – TSky Observatory, Chonburi	MPEC Y51
2025 12 14.86797	11 06 05.46	+05 23 05.5	14.1 r	O54 – TSky Observatory, Chonburi	MPEC Y51
2025 12 14.86867	11 06 05.29	+05 23 06.5	14.2 r	O54 – TSky Observatory, Chonburi	MPEC Y51
2025 12 15.009670	11 05 27.592	+05 26 19.80	13.6 r	M09 – Observatory Gromme - Oudsbergen	MPEC Y51
2025 12 15.016598	11 05 25.737	+05 26 29.40	13.6 r	M09 – Observatory Gromme - Oudsbergen	MPEC Y51
2025 12 15.023269	11 05 23.948	+05 26 38.66	13.6 r	M09 – Observatory Gromme - Oudsbergen	MPEC Y51
2025 12 15.040856	11 05 19.222	+05 27 03.49	13.1 R	C23 – Olmen	MPEC Y51
2025 12 15.048333	11 05 17.215	+05 27 13.93	13.0 R	C23 – Olmen	MPEC Y51
2025 12 15.055822	11 05 15.209	+05 27 24.48	13.0 R	C23 – Olmen	MPEC Y51

2025 12 15.062558	11 05 13.387	+05 27 33.80	13.0 R	C23 – Olmen	MPEC Y51
2025 12 15.082711	11 05 07.957	+05 28 03.13	12.88 G	L92 – San Costantino	MPEC Y51
2025 12 15.103935	11 05 02.294	+05 28 32.55	12.91 G	L92 – San Costantino	MPEC Y51
2025 12 15.124478	11 04 56.700	+05 29 01.23	12.83 G	L92 – San Costantino	MPEC Y51
2025 12 15.183912	11 04 40.670	+05 30 23.32	14.3 G	M35 – PS Observatory, Parjol	MPEC Y51
2025 12 15.187350	11 04 39.752	+05 30 28.13	14.4 G	M35 – PS Observatory, Parjol	MPEC Y51
2025 12 15.190775	11 04 38.830	+05 30 33.00	14.4 G	M35 – PS Observatory, Parjol	MPEC Y51
2025 12 15.27064	11 04 17.63	+05 32 31.2	13.2 V	I47 – Pierre Auger Observatory, Malargue	MPEC Y51
2025 12 15.29132	11 04 12.05	+05 33 00.3	13.2 V	I47 – Pierre Auger Observatory, Malargue	MPEC Y51
2025 12 15.727569	11 02 14.507	+05 43 04.57	15.1 G	Q21 – Southern Utsunomiya	MPEC Y51
2025 12 15.732824	11 02 13.099	+05 43 11.72	13.9 G	Q21 – Southern Utsunomiya	MPEC Y51
2025 12 15.738067	11 02 11.689	+05 43 19.16	13.7 G	Q21 – Southern Utsunomiya	MPEC Y51
2025 12 15.83033	11 01 46.81	+05 45 30.1	14.1 r	O54 – TSky Observatory, Chonburi	MPEC Y51
2025 12 15.83878	11 01 44.51	+05 45 42.0	14.1 r	O54 – TSky Observatory, Chonburi	MPEC Y51
2025 12 15.84725	11 01 42.21	+05 45 53.9	14.2 r	O54 – TSky Observatory, Chonburi	MPEC Y51
2025 12 15.877388	11 01 33.962	+05 46 34.42	14.9 G	O85 – LiShan Observatory, Lintong	MPEC Y51
2025 12 15.878626	11 01 33.636	+05 46 36.07	15.5 G	O85 – LiShan Observatory, Lintong	MPEC Y51
2025 12 15.879864	11 01 33.292	+05 46 37.88	15.0 G	O85 – LiShan Observatory, Lintong	MPEC Y51
2025 12 16.045664	11 00 48.41	+05 50 29.8	13.6 G	L76 – Nomad Observatory, Kochevanchik	MPEC Y51
2025 12 16.048561	11 00 47.63	+05 50 33.9	13.6 G	L76 – Nomad Observatory, Kochevanchik	MPEC Y51
2025 12 16.051454	11 00 46.83	+05 50 37.9	13.6 G	L76 – Nomad Observatory, Kochevanchik	MPEC Y51
2025 12 16.053426	11 00 46.347	+05 50 40.50	14.1 G	L04 – ROASTERR-1 Observatory, Cluj-Napoca	MPEC Y51
2025 12 16.054345	11 00 46.04	+05 50 42.0	13.6 G	L76 – Nomad Observatory, Kochevanchik	MPEC Y51
2025 12 16.057237	11 00 45.25	+05 50 45.9	13.6 G	L76 – Nomad Observatory, Kochevanchik	MPEC Y51
2025 12 16.060124	11 00 44.46	+05 50 50.1	13.6 G	L76 – Nomad Observatory, Kochevanchik	MPEC Y51
2025 12 16.063013	11 00 43.68	+05 50 54.1	13.6 G	L76 – Nomad Observatory, Kochevanchik	MPEC Y51
2025 12 16.065917	11 00 42.90	+05 50 58.2	13.6 G	L76 – Nomad Observatory, Kochevanchik	MPEC Y51
2025 12 16.068822	11 00 42.10	+05 51 02.4	13.6 G	L76 – Nomad Observatory, Kochevanchik	MPEC Y51
2025 12 16.077014	11 00 39.932	+05 51 13.60	14.1 G	L04 – ROASTERR-1 Observatory, Cluj-Napoca	MPEC Y51
2025 12 16.100590	11 00 33.511	+05 51 46.74	14.1 G	L04 – ROASTERR-1 Observatory, Cluj-Napoca	MPEC Y51
2025 12 16.113171	11 00 30.122	+05 52 03.50	13.8 G	I81 – Tarbatness Observatory, Portmahomack	MPEC Y51
2025 12 16.115324	11 00 29.549	+05 52 06.49	13.8 G	I81 – Tarbatness Observatory, Portmahomack	MPEC Y51
2025 12 16.117477	11 00 28.942	+05 52 09.55	13.8 G	I81 – Tarbatness Observatory, Portmahomack	MPEC Y51
2025 12 16.22602	10 59 59.33	+05 54 42.8	14.8 N	M18 – Koeditz	MPEC Y51
2025 12 16.23039	10 59 58.13	+05 54 49.0	14.6 N	M18 – Koeditz	MPEC Y51
2025 12 16.23549	10 59 56.74	+05 54 56.1	14.4 N	M18 – Koeditz	MPEC Y51
2025 12 16.656893	10 58 02.310	+06 04 49.84	13.3 G	Q10 – Toyokawa Observatory	MPEC Y51
2025 12 16.667644	10 57 59.369	+06 05 04.86	13.3 G	Q10 – Toyokawa Observatory	MPEC Y51
2025 12 16.679161	10 57 56.203	+06 05 20.94	13.3 G	Q10 – Toyokawa Observatory	MPEC Y51
2025 12 16.825134	10 57 16.147	+06 08 46.92	14.2 G	Q06 – Tarui Observatory, Tarui	MPEC Y51
2025 12 16.834019	10 57 13.676	+06 09 00.01	14.1 G	Q06 – Tarui Observatory, Tarui	MPEC Y51

2025 12 16.839037	10 57 12.288	+06 09 06.10	14.2 G	Q06 – Tarui Observatory, Tarui	MPEC Y51
2025 12 17.00634	10 56 26.71	+06 13 01.4	14.7 G	L16 – Stardreams Observatory, Valenii de Munte	MPEC Y51
2025 12 17.02741	10 56 20.91	+06 13 31.3	14.6 G	L16 – Stardreams Observatory, Valenii de Munte	MPEC Y51
2025 12 17.04851	10 56 15.11	+06 14 00.9	14.5 G	L16 – Stardreams Observatory, Valenii de Munte	MPEC Y51
2025 12 17.21578	10 55 29.07	+06 17 57.6	13.8 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPEC Y51
2025 12 17.22081	10 55 27.68	+06 18 04.7	13.8 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPEC Y51
2025 12 17.22585	10 55 26.30	+06 18 11.8	13.9 G	Y87 – Trevinca Skies-Amalthea, Trevinca	MPEC Y51
2025 12 17.24256	10 55 21.72	+06 18 35.0	13.7 G	Y88 – ASERO, Valdin	MPEC Y51
2025 12 17.24466	10 55 21.15	+06 18 38.0	13.7 G	Y88 – ASERO, Valdin	MPEC Y51
2025 12 17.24711	10 55 20.47	+06 18 41.6	13.7 G	Y88 – ASERO, Valdin	MPEC Y51
2025 12 17.41135	10 54 35.42	+06 22 37.4	12.2 R	H78 – University of Narino Observatory, Pasto	MPEC Y51
2025 12 17.41158	10 54 35.34	+06 22 37.8	12.2 R	H78 – University of Narino Observatory, Pasto	MPEC Y51
2025 12 17.41316	10 54 34.91	+06 22 40.0	12.3 R	H78 – University of Narino Observatory, Pasto	MPEC Y51
2025 12 17.41404	10 54 34.65	+06 22 41.5	12.4 R	H78 – University of Narino Observatory, Pasto	MPEC Y51
2025 12 17.44365	10 54 26.60	+06 23 19.3	13.6 G	U94 – iTelescope Observatory, Beryl Junction	MPEC Y51
2025 12 17.44890	10 54 25.11	+06 23 27.0	13.6 G	U94 – iTelescope Observatory, Beryl Junction	MPEC Y51
2025 12 17.45186	10 54 24.29	+06 23 31.3	13.5 G	U94 – iTelescope Observatory, Beryl Junction	MPEC Y51
2025 12 17.455648	10 54 23.476	+06 23 36.74	11.73 G	703 – Catalina Sky Survey	MPEC Y51
2025 12 17.45707	10 54 22.86	+06 23 38.8	13.5 G	U94 – iTelescope Observatory, Beryl Junction	MPEC Y51
2025 12 17.457951	10 54 22.853	+06 23 39.88	11.65 G	703 – Catalina Sky Survey	MPEC Y51
2025 12 17.460254	10 54 22.216	+06 23 43.19	11.65 G	703 – Catalina Sky Survey	MPEC Y51
2025 12 17.462558	10 54 21.596	+06 23 46.39	11.58 G	703 – Catalina Sky Survey	MPEC Y51
2025 12 17.981381	10 51 58.306	+06 35 59.89	13.59 G	M57 – Wide-field Mufara Telescope, Isnello	MPEC Y51
2025 12 17.989123	10 51 56.153	+06 36 11.09	13.57 G	M57 – Wide-field Mufara Telescope, Isnello	MPEC Y51
2025 12 17.996066	10 51 54.233	+06 36 20.82	13.62 G	M57 – Wide-field Mufara Telescope, Isnello	MPEC Y51
2025 12 18.024948	10 51 46.214	+06 37 00.42	13.8 r	M09 – Observatory Gromme - Oudsbergen	MPEC Y51
2025 12 18.031917	10 51 44.278	+06 37 10.20	13.7 r	M09 – Observatory Gromme - Oudsbergen	MPEC Y51
2025 12 18.038631	10 51 42.404	+06 37 19.79	13.8 r	M09 – Observatory Gromme - Oudsbergen	MPEC Y51
2025 12 18.111257	10 51 22.235	+06 39 03.76	12.91 G	L92 – San Costantino	MPEC Y51
2025 12 18.119201	10 51 20.038	+06 39 15.08	13.1 r	213 – Observatorio Montcabre	MPEC Y51
2025 12 18.136737	10 51 15.129	+06 39 39.92	12.90 G	L92 – San Costantino	MPEC Y51
2025 12 18.163655	10 51 07.602	+06 40 17.91	12.82 G	L92 – San Costantino	MPEC Y51
2025 12 18.176852	10 51 03.984	+06 40 36.84	13.0 r	213 – Observatorio Montcabre	MPEC Y51
2025 12 18.234155	10 50 48.002	+06 41 58.09	13.1 r	213 – Observatorio Montcabre	MPEC Y51