

A. Mrkos

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Observations of Comets and Asteroids at the Klef Observatory in the Year 1971

A. MRKOS

Department of Astronomy and Astrophysics, Charles University, Prague, and the Klef Observatory

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The routine programme of comet observations at the Klef Observatory is continued [1, 2]. A list of precise observations of five comets and one asteroid obtained at the Observatory during the year 1971 is presented.

The positions of comets were obtained by means of the instrument described in [1]. Some reference stars were taken from the catalogue AGK₃ (by courtesy of Dr. W. Dieckvoss of the Observatory Hamburg-Bergedorf).

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References

- [1] Mrkos A., AUC - Mat. Phys. 11, 29 (1970).
[2] Mrkos A., AUC - Mat. Phys. 12, No. 2, 67 (1971).

PERIODIC COMET WHIPPLE (1969e)

Plate No.	1971 UT	α (1950.0)	δ (1950.0)	Observer
704	Jan. 18.78323	1 ^h 39 ^m 27.55 ^s	+3°04'49.8"	Mrkos
	18.80406	1 ^h 39 ^m 28.90 ^s	+3°04'57.3"	Mrkos
708	24.79012	1 ^h 46 ^m 28.44 ^s	+3°43'51.9"	Mrkos
714	29.81034	1 ^h 52 ^m 39.06 ^s	+4°17'54.4"	Petrovičová

Reference Stars Numbers

704	SAOSC	110055	110037	110031	110073	110104	110093
708	SAOSC	110133	110127	110141	110160	110178	110129
714	SAOSC	110195	110249	110210	AGK 2 + 4°329	AGK 2 + 4°331	
		AGK 2 + 4°332					

COMET ABE (1970g)

Plate No.	1971 UT	α (1950.0)	δ (1950.0)	Observer
693	Jan. 4.22560	15 ^h 46 ^m 11.11 ^s	-10°29'32.9"	Mrkos
697	5.20937	15 ^h 45 ^m 42.57 ^s	-10°42'38.2"	Mrkos
698	5.21424	15 ^h 45 ^m 42.35 ^s	-10°42'42.8"	Petrovičová
699	6.20774	15 ^h 45 ^m 12.08 ^s	-10°55'56.5"	Mrkos
700	6.21781	15 ^h 45 ^m 11.91 ^s	-10°56'05.4"	Mrkos
701	10.19602	15 ^h 42 ^m 56.34 ^s	-11°48'53.6"	Petrovičová
707	21.19294	15 ^h 34 ^m 18.80 ^s	-14°15'08.4"	Mrkos
	21.19549	15 ^h 34 ^m 18.79 ^s	-14°15'11.8"	Mrkos
710	25.20418	15 ^h 30 ^m 04.86 ^s	-15°08'48.0"	Mrkos
	25.20748	15 ^h 30 ^m 04.63 ^s	-15°08'48.9"	Mrkos
712	26.20877	15 ^h 28 ^m 54.76 ^s	-15°22'14.4"	Mrkos
	26.21172	15 ^h 28 ^m 54.56 ^s	-15°22'17.3"	Mrkos
717	30.19875	15 ^h 23 ^m 48.18 ^s	-16°15'46.4"	Mrkos
	30.20135	15 ^h 23 ^m 48.12 ^s	-16°15'48.0"	Mrkos
720	31.20010	15 ^h 22 ^m 23.87 ^s	-16°29'14.8"	Mrkos
	31.20219	15 ^h 22 ^m 23.72 ^s	-16°29'16.3"	Mrkos
721	Feb. 1.17759	15 ^h 20 ^m 58.89 ^s	-16°42'23.1"	Mrkos
	1.18002	15 ^h 20 ^m 58.44 ^s	-16°42'26.2"	Mrkos
729	21.18358	14 ^h 38 ^m 50.40 ^s	-21°01'26.9"	Mrkos
	21.18740	14 ^h 38 ^m 49.74 ^s	-21°01'29.1"	Mrkos
759	March 24.96441	12 ^h 41 ^m 46.98 ^s	-23°29'43.8"	Mrkos
	24.97205	12 ^h 41 ^m 45.21 ^s	-23°29'41.0"	Mrkos
764	31.94438	12 ^h 15 ^m 14.75 ^s	-22°45'33.9"	Mrkos
	31.94854	12 ^h 15 ^m 13.80 ^s	-22°45'31.4"	Mrkos
770	Apr. 2.97515	12 ^h 08 ^m 01.23 ^s	-22°28'47.0"	Mrkos
	2.97932	12 ^h 08 ^m 00.40 ^s	-22°28'43.3"	Mrkos
774	3.90162	12 ^h 04 ^m 49.27 ^s	-22°20'40.8"	Mrkos
775	3.92479	12 ^h 04 ^m 44.41 ^s	-22°20'26.9"	Mrkos
780	18.86250	11 ^h 21 ^m 44.59 ^s	-19°49'21.2"	Mrkos
	18.86858	11 ^h 21 ^m 43.77 ^s	-19°49'18.2"	Mrkos
784	19.85509	11 ^h 19 ^m 28.95 ^s	-19°39'01.8"	Mrkos
	19.86117	11 ^h 19 ^m 27.90 ^s	-19°38'58.7"	Mrkos
788	20.84574	11 ^h 17 ^m 17.33 ^s	-19°28'48.5"	Mrkos
	20.85199	11 ^h 17 ^m 16.46 ^s	-19°28'45.6"	Mrkos
790	21.85964	11 ^h 15 ^m 07.05 ^s	-19°18'21.0"	Mrkos
	21.86728	11 ^h 15 ^m 06.12 ^s	-19°18'16.1"	Mrkos
794	22.85061	11 ^h 13 ^m 04.21 ^s	-19°08'21.9"	Mrkos
	22.85652	11 ^h 13 ^m 03.76 ^s	-19°08'16.4"	Mrkos
798	26.83588	11 ^h 05 ^m 30.87 ^s	-18°29'05.1"	Mrkos
	26.84334	11 ^h 05 ^m 30.03 ^s	-18°29'02.2"	Mrkos
800	28.83554	11 ^h 02 ^m 06.69 ^s	-18°10'15.3"	Mrkos
	28.84301	11 ^h 02 ^m 06.14 ^s	-18°10'12.4"	Mrkos
804	29.84009	11 ^h 00 ^m 29.79 ^s	-18°01'03.1"	Petrovičová
	29.85745	11 ^h 00 ^m 27.94 ^s	-18°00'53.0"	Petrovičová

Reference Stars Numbers

693	SAOSC	140793	140774	159496	159467	159524	159538
697	SAOSC	140793	140774	159496	159467	159524	159538
698	SAOSC	140793	140774	159496	159467	159524	159538
699	SAOSC	159533	159538	159524	159484	159467	159496
700	SAOSC	159533	159538	159524	159484	159467	159496
701	SAOSC	159495	159462	159457	159473	159468	159524
707	SAOSC	159392	159406	159399	159387	159351	159352
710	SAOSC	159352	159332	159297	159310	159353	159375
712	SAOSC	159352	159297	159288	159310	159353	159375
717	SAOSC	159272	159268	159235	159226	159247	159277
720	SAOSC	159272	159265	159235	159218	159247	159277
721	SAOSC	159226	159218	159186	159200	159233	159260
729	SAOSC	182786	182803	182788	182754	182724	182745
759	SAOSC	181073	181067	181060	181043	181048	181072
764	SAOSC	180676	180681	180679	180660	180613	180638
770	SAOSC	180527	180506	180516	180524	180558	180563
774	SAOSC	180495	180506	180503	180482	180446	180475
775	SAOSC	180495	180506	180503	180482	180446	180475
780	SAOSC	156650	156644	179801	179849	179674	179659
784	SAOSC	156638	156644	179801	179604	179614	179620
788	SAOSC	156620	156638	179801	179602	179574	179575
790	SAOSC	156604	156614	156587	156575	156574	156602
794	SAOSC	156575	156566	156550	156553	156558	156587
798	SAOSC	156496	156510	156483	156463	156487	156472
800	SAOSC	156472	156475	156387	156392	156385	156463
804	SAOSC	156472	156475	156387	156392	156385	156463

PERIODIC COMET WOLF — HARRINGTON (1970o)

Plate No.	1971 UT	α (1950.0)	δ (1950.0)	Observer
860	Aug. 19.07830	6 ^h 42 ^m 38.12 ^s	+23°15'22.8"	Mrkos
776	20.07902	6 ^h 45 ^m 37.31 ^s	+23°03'47.1"	Mrkos
881	Dec. 18.14940	10 ^h 45 ^m 34.67 ^s	—14°25'56.0"	Mrkos
	18.17093	10 ^h 45 ^m 35.30 ^s	—14°26'18.5"	Mrkos
884	19.14449	10 ^h 46 ^m 17.23 ^s	—14°43'37.1"	Mrkos
	19.16671	10 ^h 46 ^m 17.64 ^s	—14°43'49.7"	Mrkos

Reference Stars Numbers

860	SAOSC	078717	078695	078689	078715	078722	078758
776	SAOSC	078780	078771	078758	078763		
881	SAOSC	156241	156261	156253	156212	156193	156220
884	SAOSC	156253	156261	156269	156241	156212	156238

COMET KOJIMA (1970r)

Plate No.	1971 UT	α (1950.0)	δ (1950.0)	Observer
657	Jan. 25.17490	14 ^h 12 ^m 20.64 ^s	—18°03'47.4"	Mrkos
	25.19023	14 ^h 12 ^m 21.28 ^s	—18°03'50.0"	Mrkos
711	26.18915	14 ^h 13 ^m 42.31 ^s	—18°12'56.2"	Mrkos
718	30.21359	14 ^h 18 ^m 52.72 ^s	—18°48'02.7"	Mrkos
719	31.16104	14 ^h 20 ^m 02.35 ^s	—18°55'55.6"	Mrkos
	31.18326	14 ^h 20 ^m 03.57 ^s	—18°56'04.5"	Mrkos
722	Feb. 1.19547	14 ^h 21 ^m 16.76 ^s	—19°04'26.9"	Mrkos

Reference Stars Numbers

657	SAOSC	158446	158445	158442	158456	158447	
711	SAOSC	158447	158445	158442	158477	158495	158478
718	SAOSC	158504	158506	158551	158527	158499	
719	SAOSC	158504	158506	158565	158551	158527	158499
722	SAOSC	158527	158499	158504	158565	158564	158540

COMET TOBA (1971a)

Plate No.	1971 UT	α (1950.0)	δ (1950.0)	Observer
768	Apr. 1.13087	21 ^h 53 ^m 46.69 ^s	+16°06'02.3"	Mrkos
	1.13295	21 ^h 53 ^m 46.76 ^s	+16°05'59.8"	Mrkos
772	3.12343	21 ^h 55 ^m 08.09 ^s	+15°25'10.8"	Mrkos
	3.12551	21 ^h 55 ^m 08.19 ^s	+15°25'07.2"	Mrkos
778	4.13417	21 ^h 55 ^m 49.38 ^s	+15°04'03.0"	Mrkos
	4.13625	21 ^h 55 ^m 49.34 ^s	+15°04'00.8"	Mrkos
782	19.10574	22 ^h 05 ^m 26.90 ^s	+ 8°59'54.7"	Mrkos
	19.10713	22 ^h 05 ^m 26.97 ^s	+ 8°59'53.2"	Mrkos
786	20.10338	22 ^h 06 ^m 03.53 ^s	+ 8°31'10.2"	Mrkos
	20.10546	22 ^h 06 ^m 03.68 ^s	+ 8°31'06.4"	Mrkos
792	22.10565	22 ^h 07 ^m 16.63 ^s	+ 7°31'07.1"	Mrkos
	22.10791	22 ^h 07 ^m 16.74 ^s	+ 7°31'06.1"	Mrkos
797	23.10288	22 ^h 07 ^m 52.62 ^s	+ 7°00'03.2"	Mrkos
	23.10549	22 ^h 07 ^m 52.95 ^s	+ 7°00'01.4"	Mrkos
803	29.09561	22 ^h 11 ^m 24.67 ^s	+ 3°33'16.8"	Mrkos
	29.09683	22 ^h 11 ^m 24.77 ^s	+ 3°33'13.8"	Mrkos

Reference Stars Numbers

768	SAOSC	107537	107513	107535	107476	107526	AGK 2 +16°2431
772	SAOSC	107554	107565	107568	107537	107498	
778	SAOSC	107554	107565	107568	107537	107498	
782	SAOSC	127322	127307	127309	127317	127326	127334
786	SAOSC	127322	127316	127307	127280	127315	127343
792	SAOSC	127328	127368	127358	127345	127315	127320
797	SAOSC	127328	127320	127348	127372	127370	127368
803	SAOSC	127371	127362	127376	127421	127423	127416

OBJECT ANTAL

<i>Plate No.</i>	<i>1971 UT</i>	α (1950.0)	δ (1950.0)	<i>Observer</i>
878	Dec. 17.71851 17.73274	23 ^h 51 ^m 02.38 ^s 23 ^h 51 ^m 03.39 ^s	+1°02'46.4" +1°02'50.5"	Mrkos Mrkos

Reference Stars Numbers

878	SAOSC	128445	128428	128434	128460	128484	128476
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