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Observations of Comets and Asteroids at the Kleť Observatory in the Year 1975

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This paper contains 179 precise observations of comets and asteroids made at the Kleť Observatory in the year 1975.

Наблюдения комет и астероидов в обсерватории Клеť в 1975 г. Приводятся 179 точных положений комет и астероидов полученных в обсерватории Клеť в 1975 г.

Pozorování komet a asteroid na hvězdárně na Kleťi v roce 1975. Práce obsahuje 179 přesných pozic 6 komet a 6 planetek, získaných na hvězdárně na Kleťi během roku 1975.

The routine programme of comet observations at the Kleť Observatory is continued. A list of precise observations of the following objects obtained at the Observatory during the year 1975 is presented:

Boethin 1975a
P/Gunn
P/Schwassmann – Wachmann 1
Mori – Sato – Fujikava 1975j
Suzuki – Saigusa – Mori 1975k
Kobayashi – Berger – Milon 1975h
Asteroid 433 Eros
Asteroid 803 Hispania
Asteroid 304 Olga
Asteroid 739 Mandeville
Asteroid 1263 Varsavia
Asteroid 1483 Mertona

The positions of comets were obtained by means of the instruments described in [1]. Reference stars were chosen from the Smithsonian Astrophysical Observatory (SAO) and AGK₃ Star Catalogues.

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Reference

- 1] MRKOS A.: Acta Univ. Carol., Math. et Phys. 11, 29 (1970) = Publ. Astr. Inst. Charles Univ. Prague No 61 (1970).

Comet Boethin 1975a

Plate No.	1975 UT	$\alpha(1950.0)$	$\delta(1950.0)$	m_1	Observer
1205 Feb.	10.75491	1 ^h 36 ^m 50.31 ^s *	+15°01'50.0''	12.0	Mrkos
	10.78789	1 36 59.16	+15 02 51.6		
1208	11.74518	1 41 12.03	+1530 34.3	12.5	Mrkos
	11.75144	1 41 13.20	+15 30 43.7		
54	12.74205	1 45 35.72	+15 59 00.1	12.5	Mrkos
59	28.76448	2 55 57.10	+22 26 11.9	13.0	Mrkos
	28.77212	2 55 59.24	+22 26 21.4		

Reference Stars Numbers

1205	AGK3	+15°253	AGK 3	+15°250	AGK3	+15°257	AGK 3	+15°241
	AGK3	+14°248						
1208	SAO	092588	092585	092621	092618	092616		
54	SAO	092645	092663	092667	092638	092616		
59	SAO	075681	075699	075686	075670	075645	075643	

Periodic Comet Gunn

Plate No.	1975 UT	$\alpha(1950.0)$	$\delta(1950.0)$	m_1	Observer
78	May 10.89115	12 ^h 12 ^m 32.86 ^s *	+10°56'06.4''	15.5	Mrkos Petrovičová
	10.90608	12 12 32.65	+10 56 04.4		
1234	13.86126	12 11 48.09	+10 45 39.0	16.0	Mrkos
20	14.85976	12 11 35.44	+10 41 54.6	15.5	Mrkos
	14.87417	12 11 35.27	+10 41 48.7		

Reference Stars Numbers

78	SAO	100010	099995	099991	099998	100006
1234	SAO	100010	099995	099991	099998	100006
80	SAO	100010	099995	099991	099998	100006

Periodic Comet Schwassmann – Wachmann I

Plate No.	1975 UT	$\alpha(1950.0)$	$\delta(1950.0)$	m_1	Observer
1450 Oct.	25.85255	1 ^h 01 ^m 21.24 ^s	+17°43'36.8''	13.3	Mrkos
1455	26.77676	1 00 56.02	+17 40 58.0	13.0	Mrkos
	26.79123	1 00 55.83	+17 40 57.3		Mrkos
1458	27.77755	1 00 29.06	+17 38 06.9	13.6	Mrkos
	27.79225	1 00 28.59	+17 38 09.2		Mrkos
1461	28.77442	1 00 02.50	+17 35 18.6	13.7	Mrkos
	28.78900	1 00 02.26	+17 35 15.8		Mrkos
1464	29.78135	0 59 36.02	+17 32 24.0	13.8	Mrkos
	29.79582	0 59 35.67	+17 32 21.8		Mrkos
1466	30.80922	0 59 09.52	+17 29 29.7	14.0	Mrkos
	30.82334	0 59 08.93	+17 29 24.7		Mrkos
1469	31.89642	0 58 41.71	+17 26 18.8	14.5	Mrkos
	31.91072	0 58 41.34	+17 26 10.3		Mrkos
1476 Dec.	28.72904	00 50 53.34	+15 31 33.0	14.8	Mrkos
	28.74351	00 50 53.58	+15 31 33.6		Mrkos
1482	29.73610	00 51 05.55	+15 31 15.9	15.00	Mrkos
	29.75045	00 51 05.80	+15 31 18.6		Mrkos
1490	31.77112	00 51 32.26	+15 30 51.6	15.0	Mrkos
	31.79080	00 51 32.39	+15 30 52.8		Mrkos

Reference Stars Numbers

1450	SAO	092244	092239	092228	092208	092203	092197
1455	SAO	092244	092239	092228	092208	092203	092197
1458	SAO	092244	092239	092228	092208	092203	092197
1461	SAO	092194	092197	092195	092239	092238	092208
1464	SAO	092194	092197	092195	092222	092239	092208
1466	SAO	092194	092197	092195	092222	092239	092208
1469	SAO	092194	092197	092195	092222	092239	092208
1476	SAO	092163	092160	092155	092125	092107	092119
1482	SAO	092163	092160	092155	092125	092107	092119
1490	SAO	092163	092160	092125	092125	092107	092119

Comet Mori – Sato – Fujikawa 1975j

Plate No.	1975 UT	$\alpha(1950.0)$	$\delta(1950.0)$	m_1	Observer
1447 Oct.	15.14689	8 ^h 27 ^m 59.78 ^s	– 2°55'27.9''	10.3	Mrkos
	15.15175	8 28 00.80	– 2 55 37.6		Mrkos
1451	26.15665	8 34 43.54	–11 45 31.2	9.5	Mrkos
	26.16435	8 34 43.85	–11 45 59.1		Mrkos
1456	27.14984	8 35 14.03	–12 39 19.4	9.2	Mrkos
	27.15233	8 35 14.18	–12 39 22.5		Mrkos
1459	28.15139	8 35 43.56	–13 34 34.6	9.0	Mrkos
	28.15498	8 35 43.72	–13 34 43.6		Mrkos
1462	29.15810	8 36 12.16	–14 31 14.2	9.2	Mrkos
	29.16088	8 36 12.10	–14 31.24.7		Mrkos
1465	30.16659	8 36 39.38	–15 29 05.0	9.0	Mrkos
	30.16907	8 36 39.50	–15 29 16.4		Mrkos
1467	31.17495	8 37 05.41	–16 28 02.0	8.8	Mrkos
	31.17785	8 37 05.40	–16 28 11.3		Mrkos
1470 Nov.	1.18108	8 37 29.91	–17 27 57.8	8.7	Mrkos
	1.18385	8 37 29.91	–17 28 06.7		Mrkos

Reference Stars Numbers

1447	SAO	36018	35997	35985	35958	35943	35977
1451	SAO	154491	154436	154425	154427	154441	154497
1456	SAO	154469	154441	154420	154486	154494	154443
1459	SAO	154466	154519	154502	154468	154456	144445
1462	SAO	154509	154450	154454	154460	154518	154525
1465	SAO	154472	154471	154537	154566	154524	154479
1467	SAO	154461	154418	154484	154544	154537	154550
1470	SAO	154516	154526	154506	154500	154462	154501

Comet Suzuki – Saigusa – Mori 1975k

Plate No.	1975 UT	$\alpha(1950.0)$	$\delta(1950.0)$	m_1	Observer
1448 Oct.	15.16321	11 ^h 22 ^m 34.42 ^s	+42°24'53.8''	8.2	Mrkos
	15.16529	11 22 34.68	+42 24 50.3		Mrkos
1453	26.17650	12 23 06.93	+31 08 10.6	7.7	Mrkos
	26.17789	12 23 08.01	+31 07 54.1		Mrkos
1457	27.16645	12 37 48.69	+27 28 01.1	7.4	Mrkos
	27.16784	12 37 50.32	+27 27 40.3		Mrkos
1460	28.18021	12 57 06.13	+22 05 28.4	6.8	Mrkos
	28.18235	12 57 08.03	+22 04 56.5		Mrkos
1463	29.18640	13 22 03.66	+14 15 25.2	7.0	Mrkos
	29.18744	13 22 05.49	+14 14 50.3		Mrkos

Reference Stars Numbers

1448	SAO	043736	043697	043704	043728	AGK3	+42°1084	AGK 3	+42°1089
1453	SAO	062988	063023	063028	063020	062985	AGK 3		
1457		AGK3	+27°1243	AGK3	+27°1247	AGK3	+28°1262		
		AGK3	+27°1240	AGK3	+27°1242	AGK3	+26°1292		
1460	SAO	082602	082609	082613	082605	082594	082591		
1463	SAO	100537	100586	100563	100556	100527	100524		

Comet Kobayashi – Berger – Milon 1975h

Plate No.	1975 UT	$\alpha(1950.0)$	$\delta(1950.0)$	m_1	Observer
1370 July	7.96985	21 ^h 29 ^m 58.18 ^s	+ 0°23'48.6''	7.5	Mrkos
	7.97118	21 29 58.02	+ 0 23 53.9		Mrkos
1372	8.01354	21 29 47.60	+ 0 28 32.6		Mrkos
	8.01562	21 29 47.04	+ 0 28 51.0		Mrkos
1376	9.01675	21 25 27.42	+ 2 27 51.5	7.3	Mrkos
	9.01814	21 25 26.88	+ 2 28 00.0		Mrkos
1378	10.95312	21 15 27.37	+ 6 54 57.8	7.0	Mrkos
1380	11.01250	21 15 06.04	+ 7 04 07.7	6.8	Mrkos
	11.01458	21 15 05.35	+ 7 04 26.3		Mrkos
1383	11.95206	21 09 16.41	+ 9 34 37.4	6.7	Mrkos
	11.95484	21 09 15.19	+ 9 35 08.1		Mrkos
1386	12.93674	21 02 20.86	+12 28 08.7	6.5	Mrkos
	12.93882	21 02 19.88	+12 28 33.6		Mrkos
1387	13.92178	20 54 26.63	+15 38 59.1	6.5	Mrkos
	13.92456	20 54 25.11	+15 39 36.6		Mrkos
1389	14.00441	20 53 43.29	+15 55 51.9	6.3	Mrkos
	14.00719	20 53 41.77	+15 56 25.8		Mrkos
1390	14.92347	20 45 12.87	+19 11 20.2	6.2	Mrkos
	14.92486	20 45 12.00	+19 11 38.9		Mrkos
1392	15.00957	20 44 20.97	+19 30 25.6		Mrkos
	15.01096	20 44 20.10	+19 30 46.6		Mrkos
1394	16.89735	20 22 37.44	+27 00 54.4	6.2	Mrkos
	16.89874	20 22 36.41	+27 01 15.5		Mrkos
1395	17.86120	20 08 55.62	+31 10 09.7	6.0	Mrkos
	17.86259	20 08 54.46	+31 10 28.8		Mrkos
1396	18.90104	19 51 39.89	+35 47 11.1	5.8	Mrkos
	18.90247	19 51 38.42	+35 47 32.4		Mrkos
1397	30.85588	14 14 05.76	+57 12 58.9	5.3	Mrkos
	30.85727	14 14 04.00	+57 12 54.3		Mrkos
1399	31.00904	14 11 01.26	+57 04 43.4	5.1	Mrkos
	31.01143	14 10 57.25	+57 04 38.0		Mrkos
1400	31.88586	13 54 31.86	+56 16 21.1	5.0	Mrkos
	31.88725	13 54 30.63	+56 16 17.5		Mrkos
1402 Aug.	2.85503	13 24 19.06	+54 19 11.7	5.0	Mrkos
	2.85654	13 24 18.14	+54 19 06.0		Mrkos
1407	3.87402	13 11 43.04	+53 18 18.6	5.0	Mrkos

Plate No.	1975 UT	$\alpha(1950.0)$	$\delta(1950.0)$	m_1	Observer
1413	3.87483	13 11 42.28	+53 18 12.9	4.9	Mrkos
	5.97706	12 50 19.33	+51 16 36.2		Mrkos
1416	6.85041	12 42 53.54	+50 28 46.2	4.9	Mrkos
	6.85185	12 42 52.33	+50 28 41.4		Mrkos
1419	7.93837	12 34 33.42	+49 31 17.2	4.8	Mrkos
	7.93912	12 34 33.33	+49 31 13.4		Mrkos
1420	8.86834	12 28 07.35	+48 44 10.8	4.7	Mrkos
	8.87251	12 28 05.72	+48 43 59.6		Mrkos
1424	9.85324	12 21 53.03	+47 56 13.0	4.7	Mrkos
	9.85440	12 21 52.44	+47 56 11.5		Mrkos
1429	10.84479	12 16 06.77	+47 09 49.7	4.5	Mrkos
	10.84549	12 16 06.39	+47 09 44.5		Mrkos
1432	12.86896	12 05 35.17	+45 40 01.0	4.4	Mrkos
	12.87185	12 05 43.38	+45 39 54.0		Mrkos
1433	14.82743	11 56 36.17	+44 18 16.4	4.2	Mrkos
	14.82824	11 56 35.88	+44 18 15.2		Mrkos
1434	15.86154	11 52 15.07	+43 36 52	4.3	Mrkos
	15.86218	11 52 14.64	+43 36 50.1		Mrkos
1435	16.84396	11 48 16.82	+42 58 05.2	4.1	Mrkos
	16.84477	11 48 16.64	+42 58 01.7		Mrkos

Reference Stars Numbers

1370	SAO	126873	126886	126910	126891	125447	145436	126846	
1372	SAO	126873	126886	126910	126891	145447	145436		
1374	SAO	126800	126754	126812	126820	126835	126835		
1376	SAO	126800	126754	126812	126820	126835	126846		
1378	SAO	126693	126705	126686	126665	126659	126718		
1380	SAO	126693	126705	126686	126665	126659	126716		
1383	SAO	126638	126657	126655	126596	126570	126601		
1386	SAO	106819	106823	106836	106813	106783	106824		
1387	SAO	108661	106638	106690	106750	106732	106675		
1389	SAO	106681	106638	106690	106750	106732	106675		
1390	SAO	106482	106461	106442	106481	106518	106564		
1392	SAO	106482	106461	106442	106481	106518	106564		
1394	SAO	088638	088652	088670	088642	088603	088601		
1395	SAO	069579	069569	069506	069532	069550	069602		
1396	SAO	069039	069073	069086	069034	069001	068900		
1397	SAO	029028	029020	029103	029112	029111	029070		
1399	SAO	029028	029020	029103	029112	028111	029070		
1400	AGK 3	+56°954	AGK 3	+56°952	AGK 3	+56°953	AGK 3		+57°932
	AGK 3	+56°950	AGK 3	+55°906					
1402	SAO	28739	28729	28750	28776	AGK 3	+54°909		
1407	SAO	28766	28685	28693	28693	28664	AGK 3	+53°892	
1413	SAO	28535	28536	28530	28574	AGK 3	+51°916	AGK 3 +51°914	

1416	SAO	28509	18514	28477	44288	AGK 3	+50°963	
1419	SAO	44242	44226	44245	44286	44259		
1420	SAO	44213	44216	44195	44201	AGK 3	+49°1043	AGK 3 +48°1008
1424	SAO	44141	44181	44148	44128	AGK 3	+47°964	AGK 3 +48°1003
1429	SAO	44141	44128	44095	44089	44120	AGK 3	+46°927
1432	AGK3	+45°983	AGK 3	+45°982	AGK 3	+45°984	AGK 3	+45°985
	AGK3	+45°986	AGK 3	+46°920				
1433	SAO	43996	43964	43940	43976	AGK 3	+44°1039	AGK 3 +44°1040
1434	AGK3	+43°1056	AGK 3	+43°1057	AGK 3	+44°1039	AGK 3	+43°1049
	AGK3	+43°2050	AGK 3	+43°1054				
1435	SAO	43938	438092	438097	439028	439034	AGK 3	+43°105

Asteroid 433 Eros

Plate No.	1975 UT	$\alpha(1950.0)$	$\delta(1950.0)$	Observer
28 Jan.	3.78035	8 ^h 00 ^m 10.30 ^s	+46°03'04.8''	Mrkos
	3.78243	8 00 10.21	+46 02 59.2	Mrkos
30.	9.78015	7 54 55.75	+40 55 14.8	Mrkos
	9.78293	7 54 55.54	+40 55 05.5	Mrkos
35	12.76037t	7 51 55.72	+37 54 37.8	Petrovičová
	12.76419	7 51 55.48	+37 54 23.8	Mrkos
36	12.78259	7 51 54.29	+37 53 16.5	Mrkos
	12.78398	7 51 54.15	+37 53 11.0	Mrkos
38	13.75032	7 50 54.84	+36 50 50.6	Mrkos
	13.75241	7 50 54.74	+36 50 42.7	Mrkos
40	14.76074	7 49 52.85	+35 43 59.0	Mrkos
	14.76248	7 49 52.70	+35 43 51.8	Mrkos
41	17.80859	7 46 49.47	+32 12 30.3	Petrovičová
	17.81067	7 46 49.31	+32 12 21.5	Petrovičová
44 Feb.	5.86823	7 36 09.09	+ 9 09 09.7	Mrkos
	5.87031	7 36 09.05	+ 9 09 00.9	Mrkos
45	6.90553	7 36 07.68	+ 8 04 15.7	Mrkos
	6.90831	7 36 07.64	+ 8 04 05.5	Mrkos
46	8.86142	7 36 17.27	+ 6 07 10.5	Mrkos
	8.86351	7 36 17.25	+ 6 07 03.4	Mrkos
48	9.92470	7 36 27.07	+ 5 06 29.2	Mrkos
	9.92678	7 36 27.05	+ 5 06 22.2	Mrkos
51	10.79689	7 36 40.50	+ 4 18 21.7	Mrkos
	10.79797	7 36 40.49	+ 4 18 15.5	Mrkos
53	11.78303	7 36 57.33	+ 3 25 34.1	Mrkos
	11.78581	7 36 57.35	+ 3 25 27.8	Mrkos
56	12.82156	7 37 18.20	+ 2 32 02.5	Mrkos
	12.82295	7 37 18.14	+ 2 31 58.2	Mrkos
57	14.88544	7 38 10.90	+ 0 51 38.7	Petrovičová
	14.88752	7 38 10.94	+ 0 51 32.2	Petrovičová

Plato No.	1975 UT	$\alpha(1950.0)$	$\delta(1950.0)$	Observer
60	28.78358	7 50 07.19	- 7 18 07.0	Mrkos
	28.78635	7 50 07.35	- 7 18 11.0	Mrkos
62 Mar.	1.80035	7 51 20.22	- 7 43 05.9	Mrkos
	1.80243	7 51 20.34	- 7 43 09.0	Mrkos
64	3.80822	7 53 51.94	- 8 28 56.3	Mrkos
	3.81100	7 53 52.10	- 8 29 00.0	Mrkos
66	4.83023	7 55 12.47	- 8 50 32.4	Mrkos
	4.83301	7 55 12.69	- 8 50 35.6	Mrkos
68	6.84333	7 57 58.42	- 9 29 54.2	Mrkos
	6.84611	7 57 58.64	- 9 29 57.0	Mrkos
71	7.83889	7 59 23.88	- 9 47 55.9	Mrkos
	7.84167	7 59 24.07	- 9 47 58.5	Mrkos
74	8.83021	8 00 51.06	-10 04 56.9	Mrkos
	8.83299	8 00 51.28	-10 04 59.5	Mrkos

Reference Stars Numbers

28	SAO	042138	0422120	042139	042172	AGK 3	+45°736	
30	SAO	042092	042105	042118	042079	042084	AGK 3	+40°917
35	SAO	060429	060414	060445	060465	060470	060454	
36	SAO	060429	060414	060445	060465	060470	060454	
38	AGK 3	+36°795	AGK 3	+36°793	AGK 3	+36°797	AGK 3	+36°800
	AGK 3	+37°881	AGK 3	+37°880				
40	SAO	060393	060397	060403	060433	060448	060398	
41	SAO	060366	060333	060341	060380	060404	060388	
44	SAO	115769	115695	115737	115741	115768		
45	SAO	115751	115738	115679	115717	115741	115764	
46	SAO	115801	115774	115716	115701	115722	115770	
48	SAO	115731	115729	115736	115781	115795		
51	SAO	115761	115730	115720	115736	115762	115777	
53	SAO	115742	115740	115760	115813	115743	AGK 3	+ 3°1755
56	SAO	115791	115743	115752	115771	AGK 3	+2°1736	
57	SAO	115806	115837	115840	115802	115767	115733	
60	SAO	135209	135230	135236	135197	135147	135159	
62	SAO	135209	135215	135255	135230	135232	135186	
64	SAO	135301	135305	135299	135261	135241	135243	
66	SAO	135299	135305	135362	135361	135339	135241	
68	SAO	135361	135339	135385	135391	135417	135320	
71	SAO	153693	135427	135424	135417	135361	135320	
74	SAO	135424	135391	135385	153758	153773	153784	

Asteroid 804 Hispania

Plate No.	1975 UT	$\alpha(1950.0)$	$\delta(1950.0)$	m_1	Observer
29 Jan.	9.72841	23 ^h 17 ^m 26.15 ^s	+1°31'12.6''	13.0	Mrkos
	9.74265	23 17 27.30	+1 31 20.9		Mrkos
34	12.72808	23 21 30.43	+2 03 46.5		Mrkos
	12.74266	23 21 31.61	+2 03 55.8		Mrkos
37	13.71942	23 22 51.98	+2 14 39.0		Mrkos
	13.73400	23 22 53.19	+2 14 48.2		Mrkos

Reference Stars Numbers

29	AGK 3	+1°4711	AGK 3	+1°4710	AGK 3	+1°4706	AGK 3	+1°4988
	AGK 3	+1°4987	AGK 3	+1°4989				
34	SAO	128164	128150	128185	128184	AGK 3	+2°4719	
37	SAO	128164	128150	128185	128184	AGK 3	+2°4719	

Asteroid 304 Olga

Plate No.	1975 UT	$\alpha(1950.0)$	$\delta(1950.0)$	Observer
1478 Dec.	28.86428	06 33 28.39	+1 19 8.3	Hoštičková
	28.87950	6 33 27.43	+1 19 10.0	Hoštičková
1484	29.86609	6 32 26.40	+1 22 53.8	Hoštičková
	29.88137	6 32 25.45	+1 22 56.1	Hoštičková

Reference Stars Numbers

1478	SAO	114125	114143	114124	114092	114032	114054
1484	SAO	114125	114143	114124	114092	114032	114052

Asteroid 739 Mandeville

Plate No.	1975 UT	$\alpha(1950.0)$	$\delta(1950.0)$	Observer
1478	Dec. 28.86428	6 32 20.85	+2 14 18.3	Hoštičková
	28.87950	6 32 19.94	+2 14 24.2	Hoštičková
1484	29.86609	6 31 23.50	+2 20 21.4	Hoštičková
	9.88137	6 31 22.68	+2 20 26.8	Hoštičková

Reference Stars Numbers

1478	SAO	114092	114117	114104	114075	114028	114026
1484	SAO	114092	114117	114104	114075	114028	114026

Asteroid 1263 Varsavia

Plate No.	1975 UT	$\alpha(1950.0)$	$\delta(1950.0)$	Observer
1479	Dec. 28.91671	6 38 36.85	-20 47 22.2	Landová
	28.93199	6 38 36.00	-20 47 17.0	Landová
1485	29.90984	6 37 43.33	-20 40 9.3	Landová
	29.92512	6 37 42.22	-20 40 1.3	Landová

Reference Stars Numbers

1479	SAO	172103	172164	172172	151764	172107	1479
1485	SAO	172103	172164	172172	151764	172041	172107

Asteroid 1483 Mertona

Plate No.	1975 UT	$\alpha(1950.0)$	$\delta(1950.0)$	Observer
1477	Dec. 28.7782	4 49 38.17	+9 13 53.3	Vávrová
	28.79322	4 49 37.62	+9 13 56.8	Vávrová
1483	29.77672	4 48 59.60	+9 16 12.6	Vávrová
	29.79102	4 48 59.05	+9 16 13.7	Vávrová

Reference Stars Numbers

1477	SAO	112186	112177	112183	112155	112108	112127
1483	SAO	112186	112177	112183	112155	112108	112127