

Zpravodaj Společnosti pro MeziPlanetární Hmotu

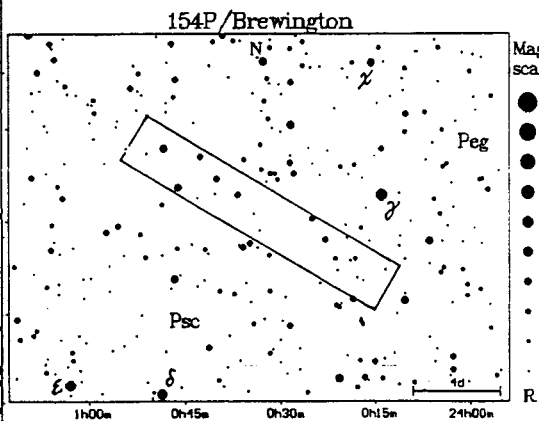
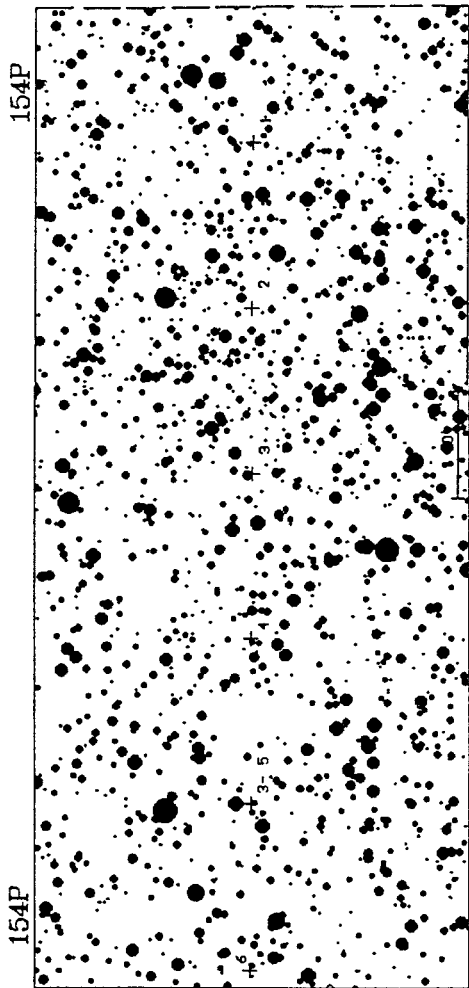
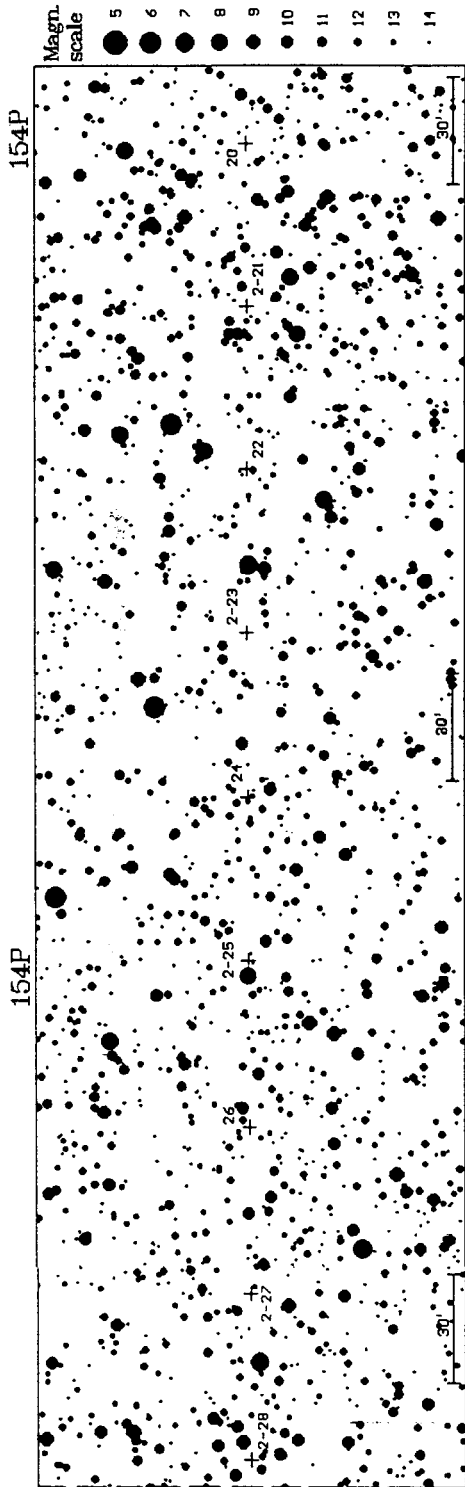
Příloha čísla 2 (183) - únor 2003

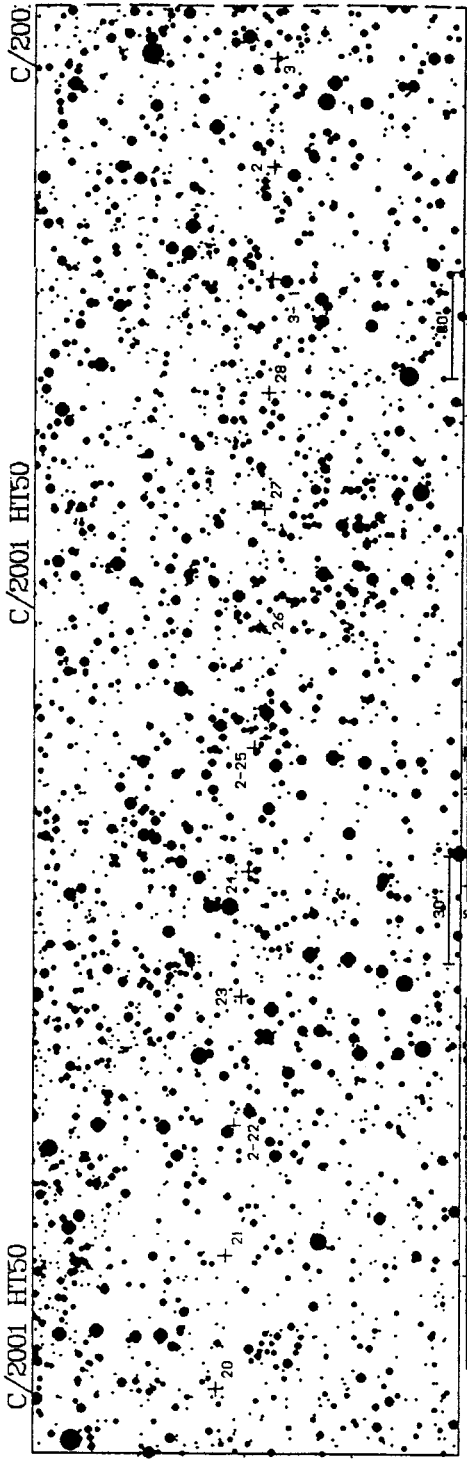
Komety v únoru 2003 (první část)

V této příloze uvádíme mapky okolí komet doporučených ke sledování, další informace budou v hlavním čísle Zpravodaje. Zpod JJZ obzoru začíná večer "vykukovat" slábnoucí C/2002 X5 (Kudo-Fujikawa) - mapka do 10.6 mag, 9°. Začne slábnout jasná kometa C/2001 RX14 (LINEAR) - mapka 5.4° je do 11.8 mag, trochu slabší je C/2001 HT50 (NEAT) (bližící se ke konjunkci se Sluncem) s mapkou do 12.6 mag (2.0°). Ostatní uvedené komety jsou asi 13-14.5 mag: slábnou C/2000 SV74 (LINEAR) - mapka do 14.7 mag, 2.0°; C/2001 K5 (LINEAR) - mapka do 14.6, 1.0°; blízko maxima by měly být 30P/Reinmuth 1 (s mapkou 2.4° do 14.4 mag); 154P/Brewington - její mapka sahá do 14.4 mag, má 2°; rozjasňovat by měly: C/2002 O7 (LINEAR) - mapka do 14.6, 1.7°; 65P/Gunn - mapka je jen do 13.6 mag (vizuálně, v oblasti chybí slabší hvězdy, zcela vlevo nahoře je Trifid), šifka mapky je 1.6°; 116P/Wild 4 s mapkou do 14.4 mag (pozor, většina jasností je v oboru B) o šířce 1.7°; 155P/Shoemaker 3 s mapkou do 14.6 mag, 1.1°. Z nedávno objevených komet by měla být v maximu jasnosti C/2002 X1 (LINEAR), její mapka je ve dvou páslech (kometa vletá do mléčné dráhy) o šířkách 1.3° a 1.1°, sahá do 14.4 mag. Dle některých CCD pozorování významněji zjasněla 81P/Wild 2 která je navíc ve výborné poloze k pozorování poblíž Hyád (její mapka sahá do 14.6 mag a má 1.7°).

Věnujte prosím zvýšenou pozornost kometám C/2000 SV74, C/2001 K5, C/2002 O7, C/2002 X1, 30P/Reinmuth 1, 116P/Wild 4 a 154P/Brewington! Efemeridy uvedených komet (2000.0) jsou:

Datum	R.A. h m s	Dekl. o ' "	Dist. (AU)	r (AU)	elong. o	mag	Vidit o
C/2000 SV74 (LINEAR)							
							R-12
03/02/16	15 04 14	42 35.0	3.997	4.403	108.0	14.4	80.1
03/02/20	15 01 55	42 53.8	3.982	4.424	110.3	14.5	79.0
03/02/24	14 59 12	43 12.3	3.970	4.445	112.6	14.5	77.6
03/02/28	14 56 05	43 30.2	3.959	4.466	114.8	14.5	76.2
03/03/04	14 52 35	43 46.9	3.951	4.487	116.8	14.5	74.6
03/03/08	14 48 43	44 02.1	3.946	4.508	118.8	14.5	73.0
03/03/12	14 44 30	44 15.4	3.943	4.529	120.6	14.5	71.3
03/03/16	14 39 57	44 26.4	3.943	4.551	122.2	14.6	69.5
03/03/20	14 35 07	44 34.7	3.946	4.573	123.6	14.6	67.7
03/03/24	14 30 02	44 40.0	3.953	4.594	124.7	14.6	65.9
C/2001 HT50 (NEAT)							
03/02/16	6 55 32	1 03.9	2.383	3.148	133.8	11.4	30.3
03/02/20	6 45 55	1 53.0	2.422	3.130	128.1	11.4	34.6
03/02/24	6 36 57	2 41.4	2.467	3.112	122.4	11.4	38.3
03/02/28	6 28 40	3 28.7	2.519	3.095	116.8	11.4	41.3
03/03/04	6 21 06	4 14.5	2.576	3.078	111.3	11.4	43.5
03/03/08	6 14 13	4 58.5	2.637	3.061	105.9	11.5	44.9
03/03/12	6 08 02	5 40.6	2.701	3.045	100.6	11.5	45.5
03/03/16	6 02 31	6 20.7	2.768	3.029	95.4	11.5	45.2
03/03/20	5 57 37	6 58.9	2.837	3.014	90.4	11.6	44.2
03/03/24	5 53 17	7 35.1	2.907	2.999	85.5	11.6	42.6
C/2001 K5 (LINEAR)							
							R-12
03/02/16	18 31 06	29 01.8	5.619	5.272	64.7	15.0	52.0
03/02/20	18 34 24	29 48.8	5.595	5.278	66.4	15.0	53.4
03/02/24	18 37 37	30 37.3	5.571	5.284	68.2	15.0	54.8
03/02/28	18 40 43	31 27.2	5.547	5.290	69.9	15.0	56.1



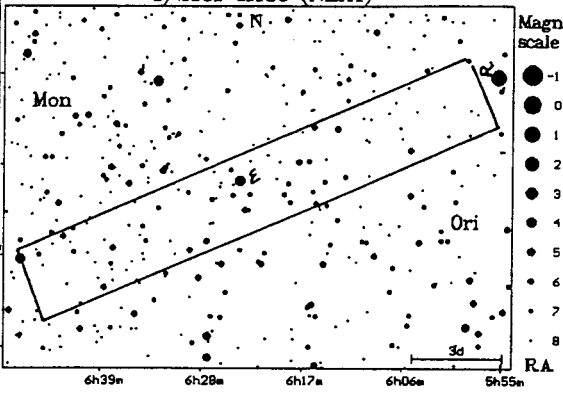


C/2001

HT50

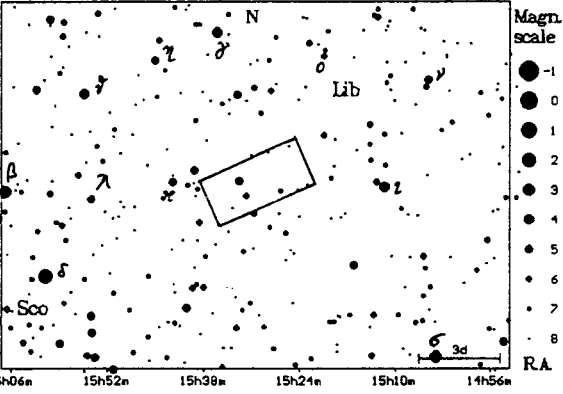
HT50

C/2001 HT50 (NEAT)



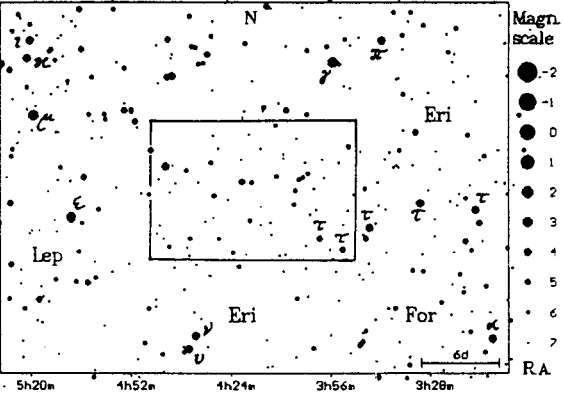
Magn. scale
● -1
● 0
● 1
● 2
● 3
● 4
● 5
● 6
● 7
● 8
RA

116P/Wild 4



Magn. scale
● -1
● 0
● 1
● 2
● 3
● 4
● 5
● 6
● 7
● 8
RA

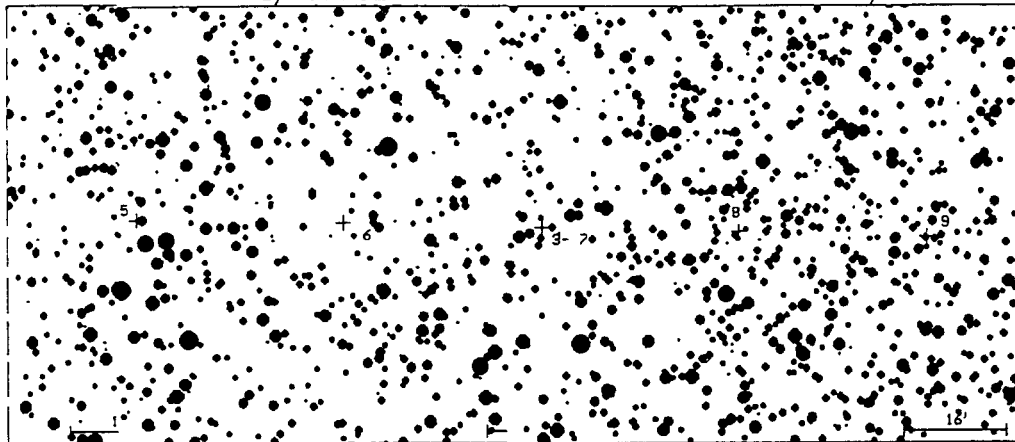
C/2002 X5 (Kudo-Fujikawa)



Magn. scale
● -2
● -1
● 0
● 1
● 2
● 3
● 4
● 5
● 6
● 7
RA

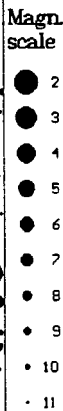
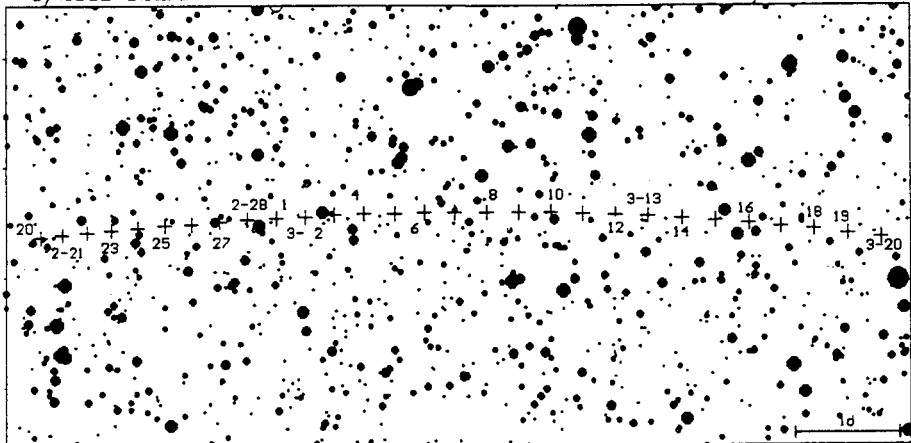
C/2002 X1

C/2002 X1



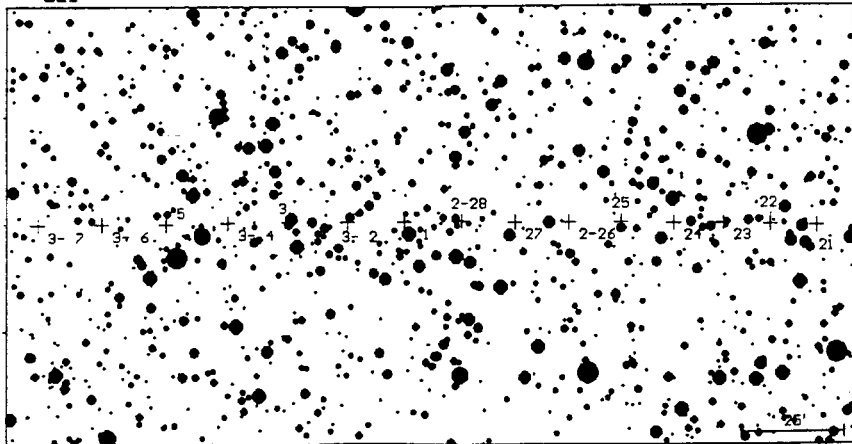
C/2001 RX14

C/2001 RX14



81P

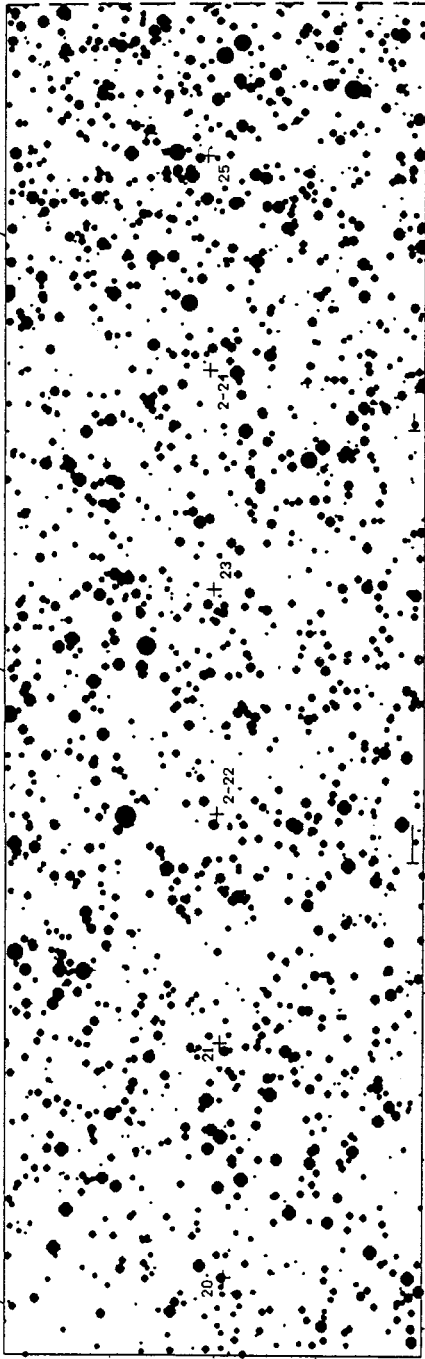
81P



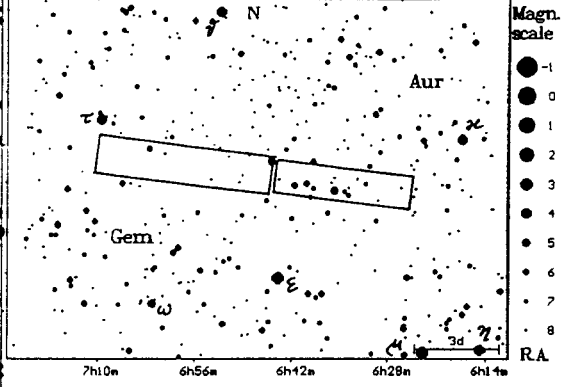
C/2002 XI

C/2002 XI

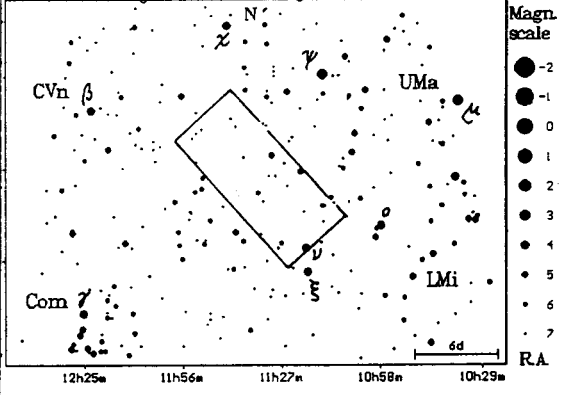
C/2002 XI



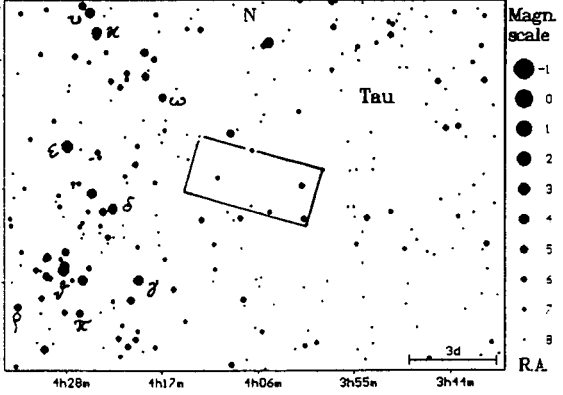
C/2002 XI (LINEAR)



C/2001 RX14 (LINEAR)

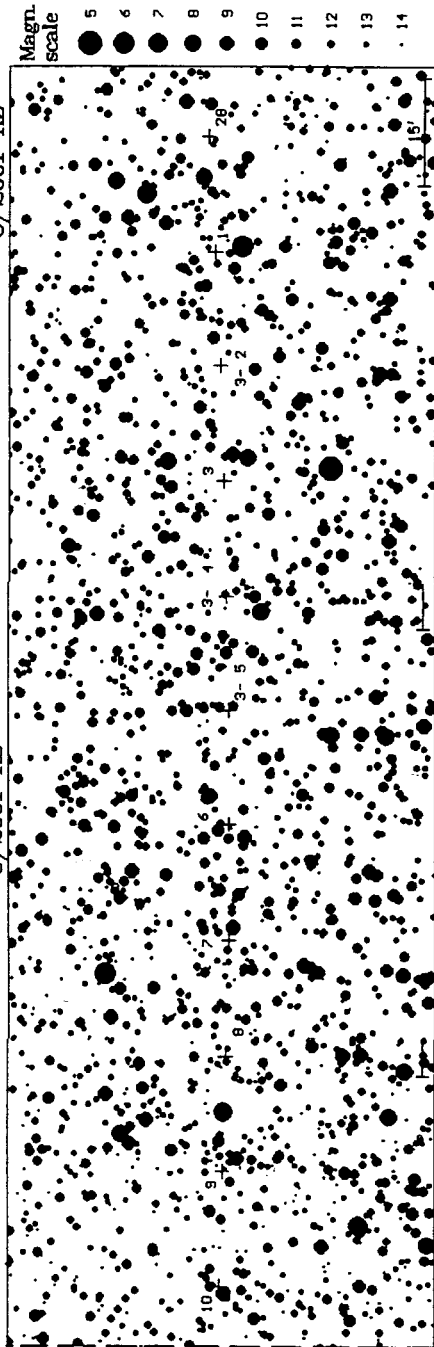


81P/Wild 2



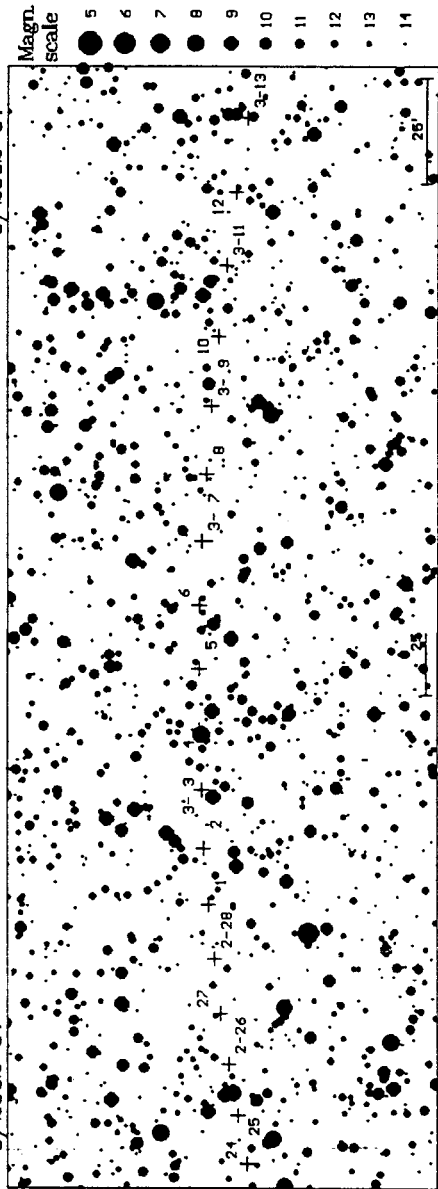
C/2001 K5

C/2001 K5

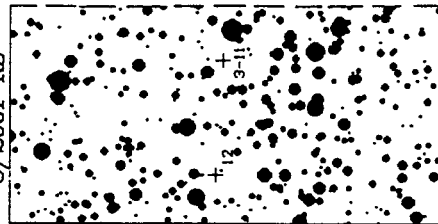


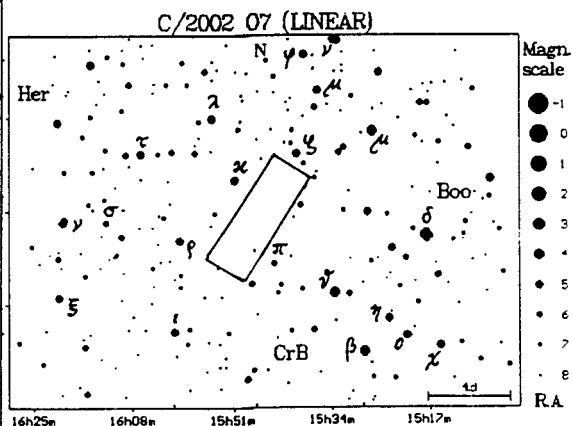
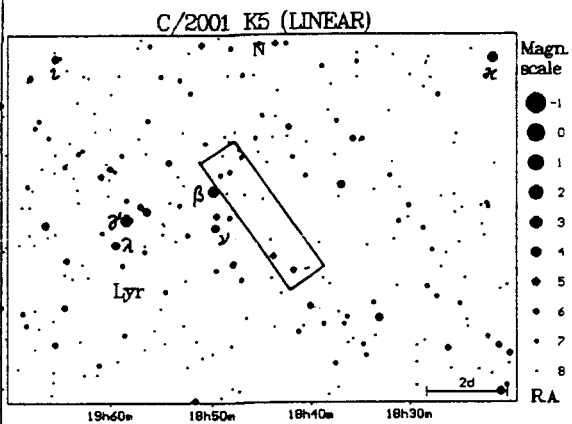
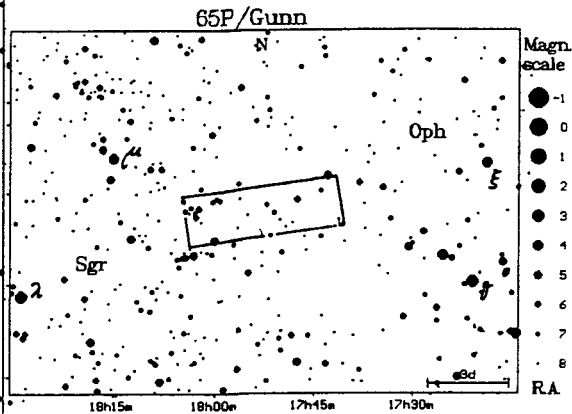
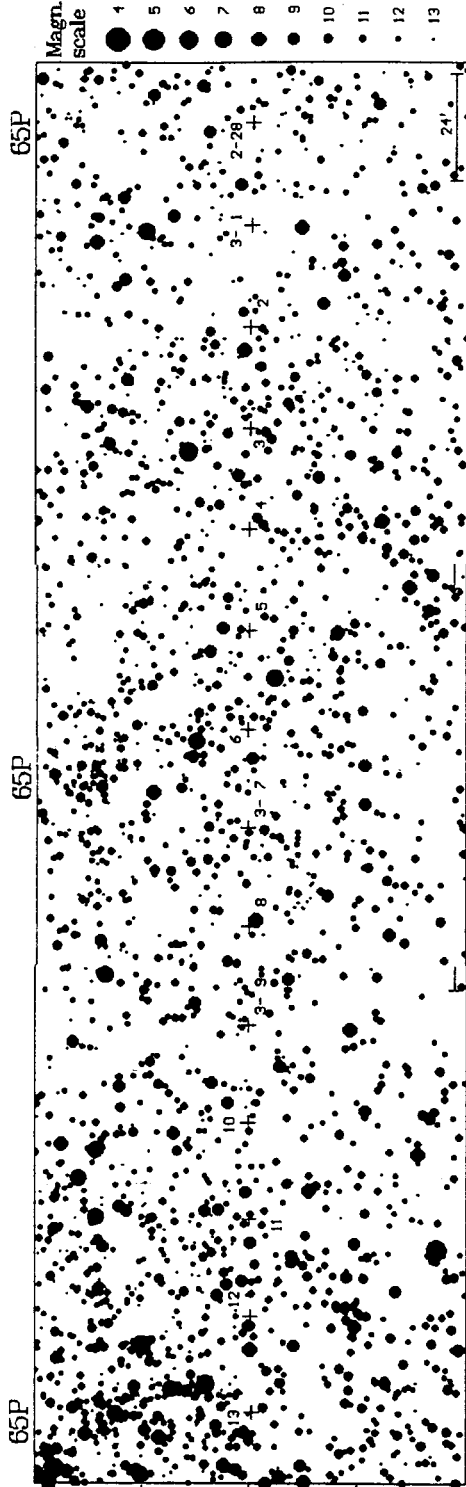
C/2002 07

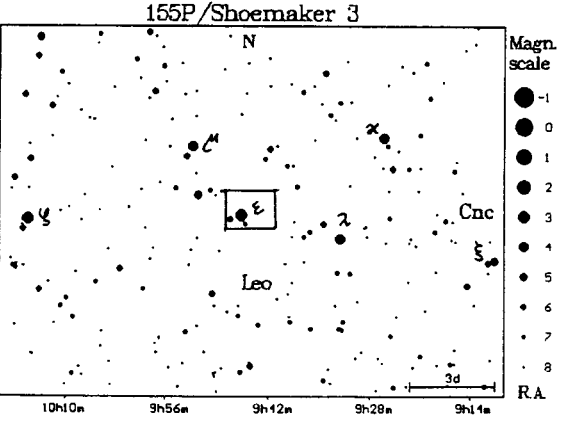
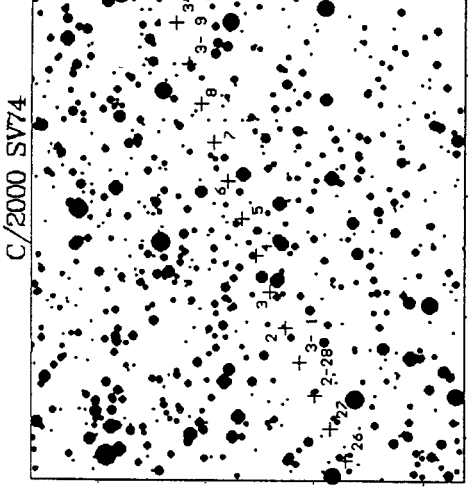
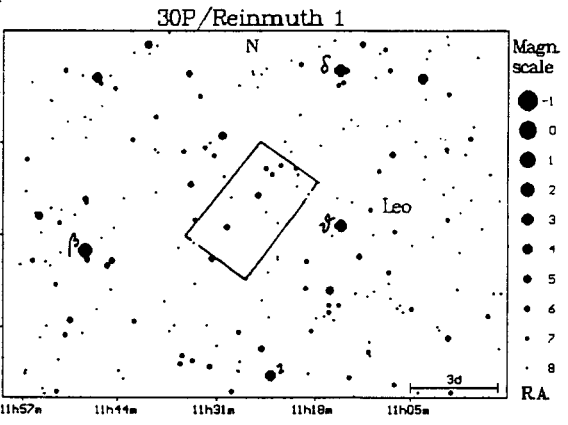
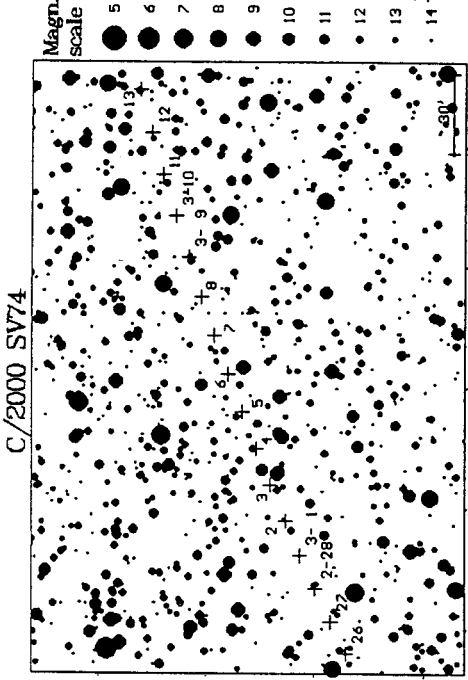
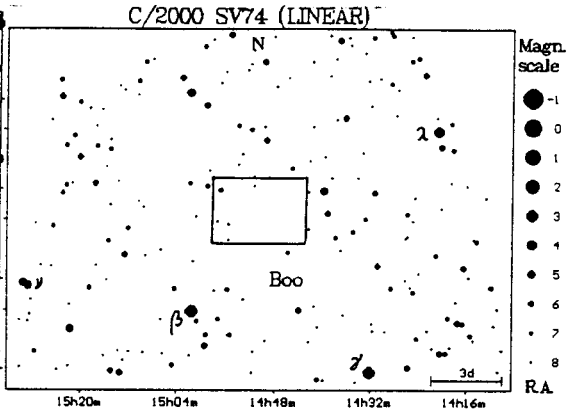
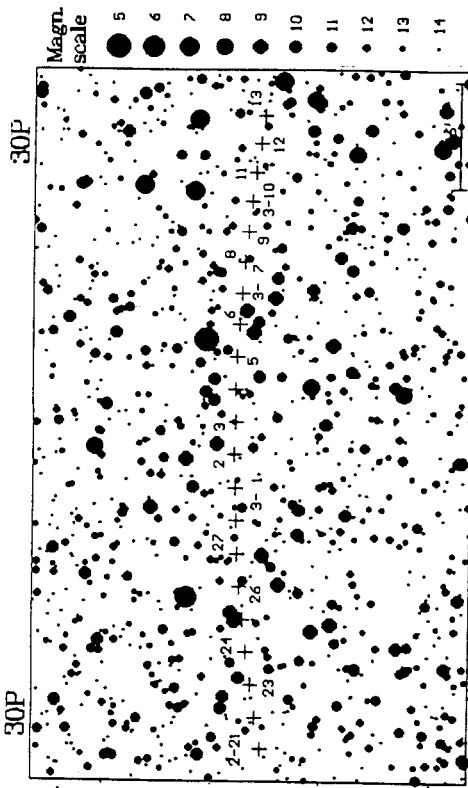
C/2002 07



C/2001 K5

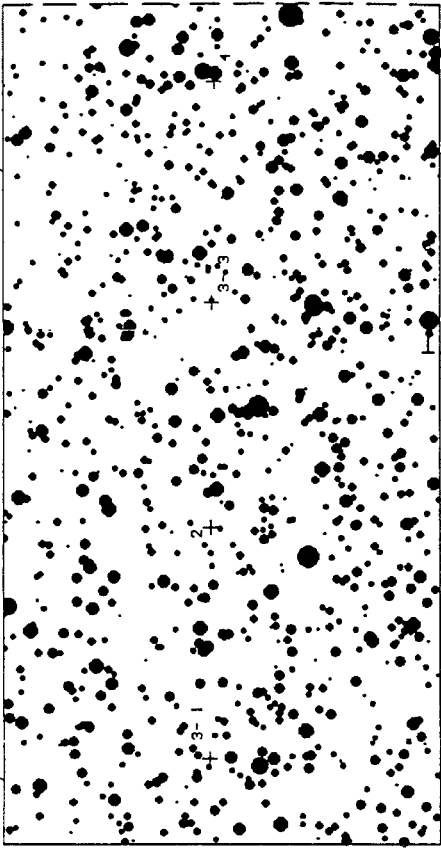
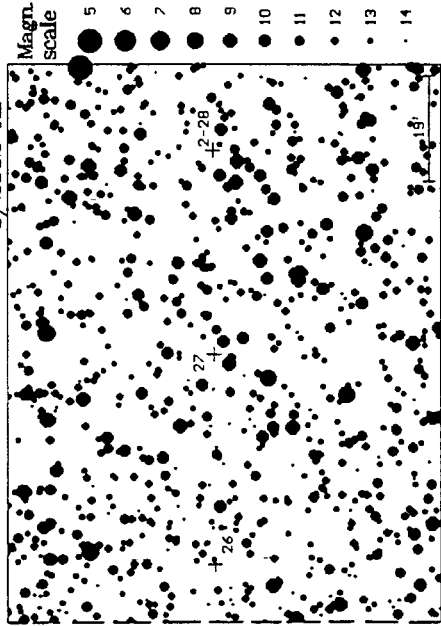






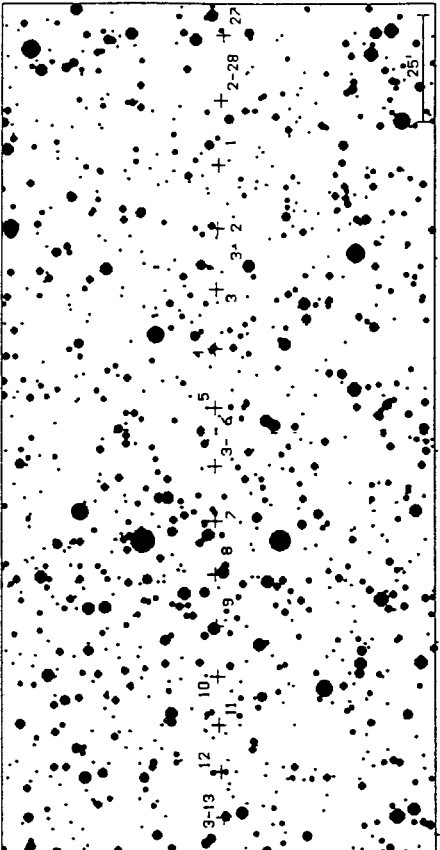
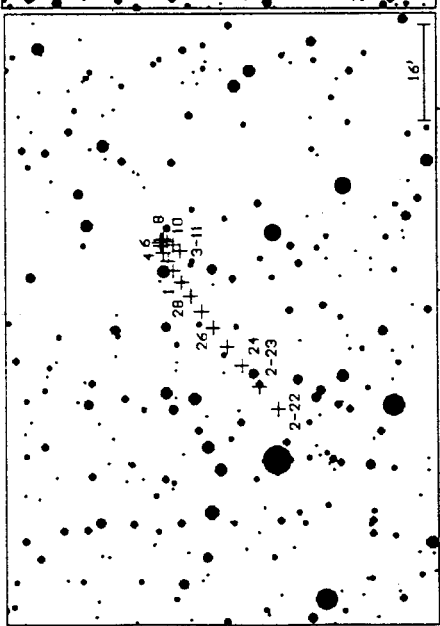
C/2002 XI

C/2002 XI



116P

116P



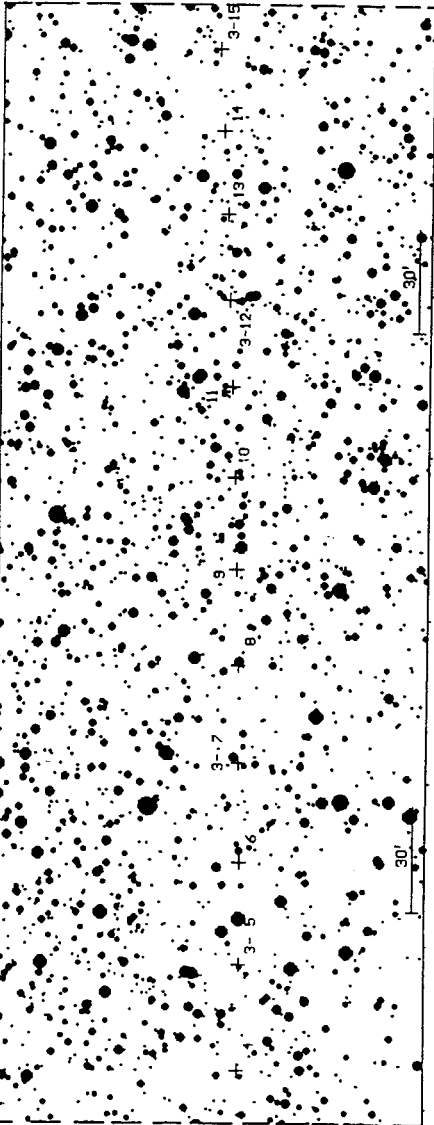
Magn. scale

Magn. scale

03/03/04	18 43 42	32 18.3	5.523	5.296	71.7	14.9	57.4
03/03/08	18 46 33	33 10.7	5.499	5.302	73.4	14.9	58.7
03/03/12	18 49 16	34 04.2	5.475	5.308	75.2	14.9	60.0
03/03/16	18 51 50	34 58.6	5.452	5.315	76.9	14.9	61.3
03/03/20	18 54 15	35 53.9	5.429	5.321	78.5	14.9	62.6
03/03/24	18 56 29	36 50.0	5.407	5.328	80.1	14.9	63.8

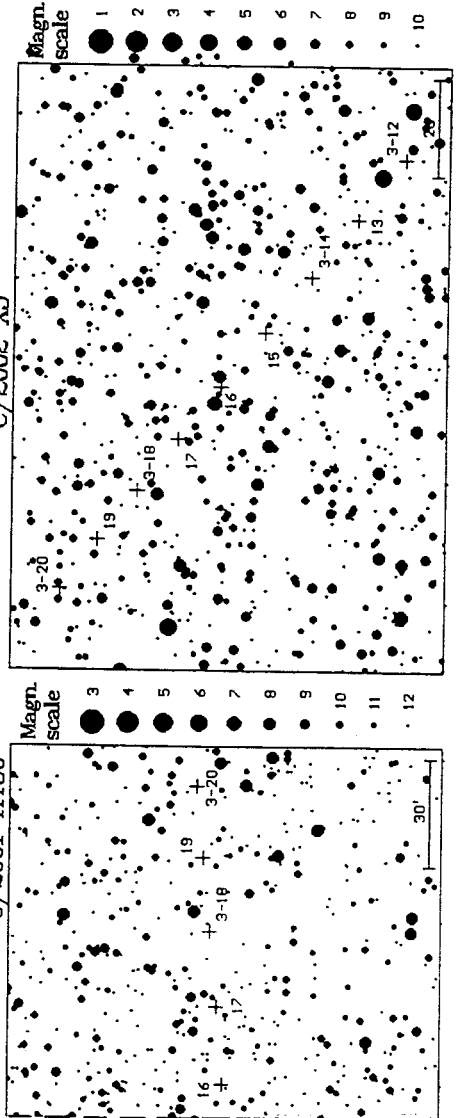
C/2001 HT50

HT50



C/2002 X5

C/2001 HT50



C/2001 RX14 (LINEAR)

03/02/16	11 57 33	42 16.2	1.227	2.085	140.3	10.1
03/02/20	11 52 51	41 33.4	1.222	2.094	142.4	10.1
03/02/24	11 47 48	40 44.3	1.219	2.103	144.2	10.2
03/02/28	11 42 29	39 48.4	1.220	2.113	145.7	10.2
03/03/04	11 37 06	38 45.8	1.225	2.125	146.7	10.2
03/03/08	11 31 45	37 36.7	1.234	2.137	147.2	10.3
03/03/12	11 26 34	36 21.4	1.247	2.151	147.2	10.3
03/03/16	11 21 41	35 00.8	1.264	2.165	146.7	10.4
03/03/20	11 17 12	33 35.6	1.285	2.180	145.6	10.4
03/03/24	11 13 09	32 06.8	1.310	2.196	144.1	10.5

C/2002 O7 (LINEAR)

03/02/16	15 52 15	31 02.5	3.049	3.323	97.3	14.1	71.0
03/02/20	15 51 50	31 41.0	2.957	3.277	100.0	14.0	71.7
03/02/24	15 50 58	32 22.6	2.865	3.231	102.8	13.9	72.3
03/02/28	15 49 33	33 07.3	2.774	3.185	105.5	13.7	72.8
03/03/04	15 47 34	33 54.8	2.685	3.139	108.2	13.6	73.1
03/03/08	15 44 55	34 45.1	2.598	3.092	110.8	13.5	73.3
03/03/12	15 41 33	35 37.6	2.512	3.045	113.3	13.3	73.2
03/03/16	15 37 23	36 31.9	2.429	2.999	115.8	13.2	72.8
03/03/20	15 32 20	37 27.4	2.349	2.951	118.1	13.1	72.1
03/03/24	15 26 20	38 23.3	2.273	2.904	120.2	12.9	71.1

R-12

C/2002 X1 (LINEAR)

03/02/16	7 23 12	29 19.8	2.112	2.944	140.8	14.3	49.1
03/02/20	7 09 55	29 10.5	2.147	2.922	134.0	14.3	54.4
03/02/24	6 57 32	28 55.7	2.190	2.900	127.5	14.3	59.2
03/02/28	6 46 09	28 36.8	2.240	2.879	121.1	14.3	63.2
03/03/04	6 35 49	28 14.7	2.296	2.858	114.8	14.4	66.0
03/03/08	6 26 31	27 50.5	2.357	2.838	108.8	14.4	67.5
03/03/12	6 18 14	27 25.1	2.422	2.817	103.1	14.4	67.3
03/03/16	6 10 55	26 59.1	2.489	2.798	97.5	14.4	65.8
03/03/20	6 04 30	26 33.2	2.558	2.779	92.1	14.5	63.2
03/03/24	5 58 54	26 07.6	2.629	2.760	86.9	14.5	59.8

V-12

C/2002 X5 (Kudo-Fujikawa)

03/03/08	3 32 46	-28 38.1	1.005	1.085	65.8	7.3	4.4
03/03/12	3 58 15	-24 30.5	1.082	1.169	68.4	7.7	8.5
03/03/16	4 19 11	-20 45.8	1.168	1.250	70.1	8.1	11.8
03/03/20	4 36 42	-17 26.7	1.263	1.329	71.0	8.4	14.3
03/03/24	4 51 38	-14 32.2	1.364	1.406	71.2	8.8	16.2

V-12

30P/Reinmuth 1

03/02/16	11 31 57	13 42.2	0.989	1.936	156.7	13.8
03/02/20	11 30 52	14 20.3	0.985	1.945	160.5	13.8
03/02/24	11 29 25	14 57.9	0.985	1.955	163.9	13.8
03/02/28	11 27 42	15 34.2	0.988	1.965	166.7	13.9
03/03/04	11 25 48	16 08.3	0.994	1.975	168.2	13.9
03/03/08	11 23 47	16 39.5	1.005	1.986	168.1	14.0
03/03/12	11 21 46	17 07.0	1.018	1.998	166.4	14.0
03/03/16	11 19 49	17 30.3	1.036	2.010	163.6	14.1
03/03/20	11 18 02	17 49.0	1.057	2.022	160.3	14.2
03/03/24	11 16 28	18 03.0	1.082	2.035	156.6	14.3

65P/Gunn

03/02/16	17 22 23	-21 47.1	2.742	2.501	65.6	13.2	14.9
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R-12

03/02/20	17	29	10	-22	02.6	2.692	2.496	68.0	13.1	14.8
03/02/24	17	35	51	-22	17.3	2.641	2.492	70.5	13.1	14.6
03/02/28	17	42	25	-22	31.3	2.589	2.487	73.0	13.0	14.5
03/03/04	17	48	50	-22	44.7	2.537	2.483	75.5	12.9	14.4
03/03/08	17	55	07	-22	57.5	2.485	2.479	78.1	12.9	14.2
03/03/12	18	01	14	-23	09.9	2.433	2.475	80.7	12.8	14.1
03/03/16	18	07	10	-23	22.0	2.381	2.471	83.3	12.8	13.9
03/03/20	18	12	55	-23	33.8	2.329	2.468	86.0	12.7	13.8
03/03/24	18	18	27	-23	45.6	2.277	2.465	88.7	12.7	13.7

81P/Vild 2

V-12

03/02/16	3	56	59	17	29.9	2.288	2.554	93.9	14.9	57.3
03/02/20	3	59	36	17	43.7	2.320	2.530	90.5	14.9	56.9
03/02/24	4	02	35	17	58.4	2.351	2.506	87.3	14.8	56.1
03/02/28	4	05	58	18	13.8	2.381	2.483	84.1	14.8	54.9
03/03/04	4	09	43	18	29.7	2.411	2.459	81.0	14.8	53.4
03/03/08	4	13	49	18	46.0	2.440	2.435	78.0	14.7	51.7
03/03/12	4	18	16	19	02.7	2.468	2.412	75.1	14.7	49.8
03/03/16	4	23	03	19	19.5	2.495	2.388	72.3	14.7	47.7
03/03/20	4	28	08	19	36.3	2.521	2.364	69.5	14.6	45.5
03/03/24	4	33	32	19	53.0	2.546	2.341	66.8	14.6	43.2

116P/Vild 4

R-12

03/02/16	15	11	48	-18	02.7	1.833	2.177	96.4	11.3	21.6
03/02/20	15	16	40	-18	28.7	1.791	2.180	99.2	11.2	21.1
03/02/24	15	21	13	-18	53.4	1.749	2.183	102.1	11.2	20.6
03/02/28	15	25	25	-19	16.6	1.708	2.186	105.1	11.2	20.1
03/03/04	15	29	14	-19	38.5	1.668	2.190	108.1	11.1	19.6
03/03/08	15	32	40	-19	58.9	1.630	2.194	111.3	11.1	19.1
03/03/12	15	35	39	-20	17.9	1.592	2.198	114.5	11.1	18.7
03/03/16	15	38	12	-20	35.6	1.555	2.203	117.8	11.0	18.2
03/03/20	15	40	17	-20	51.9	1.521	2.208	121.3	11.0	17.8
03/03/24	15	41	53	-21	06.9	1.487	2.213	124.8	11.0	17.3

154P/Brewington

V-12

03/02/16	0	03	26	10	19.4	2.232	1.591	39.0	13.8	25.3
03/02/20	0	14	02	11	49.1	2.247	1.590	38.1	13.8	24.6
03/02/24	0	24	48	13	18.1	2.263	1.591	37.2	13.8	24.0
03/02/28	0	35	44	14	46.1	2.279	1.593	36.3	13.8	23.3
03/03/04	0	46	50	16	12.9	2.296	1.597	35.5	13.9	22.6
03/03/08	0	58	06	17	38.2	2.314	1.601	34.7	13.9	21.8
03/03/12	1	09	31	19	01.7	2.333	1.607	33.9	14.0	21.1
03/03/16	1	21	07	20	23.0	2.352	1.614	33.1	14.0	20.4
03/03/20	1	32	52	21	41.9	2.373	1.622	32.4	14.1	19.7
03/03/24	1	44	47	22	58.1	2.395	1.631	31.6	14.1	18.9

155P/Shoemaker 3

03/02/16	9	46	58	23	24.2	0.959	1.938	168.9	13.5	
03/02/20	9	45	49	23	39.9	0.979	1.953	166.1	13.6	
03/02/24	9	44	49	23	51.8	1.002	1.969	162.6	13.7	
03/02/28	9	44	03	23	59.8	1.029	1.986	159.0	13.8	
03/03/04	9	43	34	24	03.8	1.060	2.003	155.2	13.9	
03/03/08	9	43	25	24	03.9	1.093	2.022	151.5	14.0	
03/03/12	9	43	38	24	00.1	1.130	2.040	147.8	14.1	
03/03/16	9	44	14	23	52.7	1.169	2.060	144.2	14.3	
03/03/20	9	45	14	23	42.0	1.212	2.080	140.7	14.4	
03/03/24	9	46	36	23	28.1	1.257	2.100	137.2	14.5	