

Zpravodaj Společnosti pro MeziPlanetární Hmotu

Příloha čísla 3 (184) - březen 2003

Komety v březnu 2003 (první část)

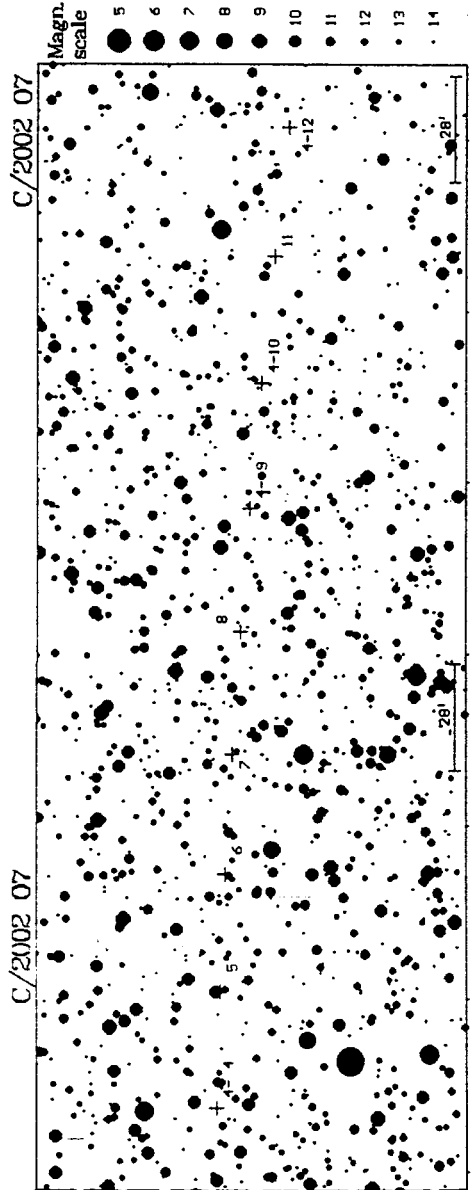
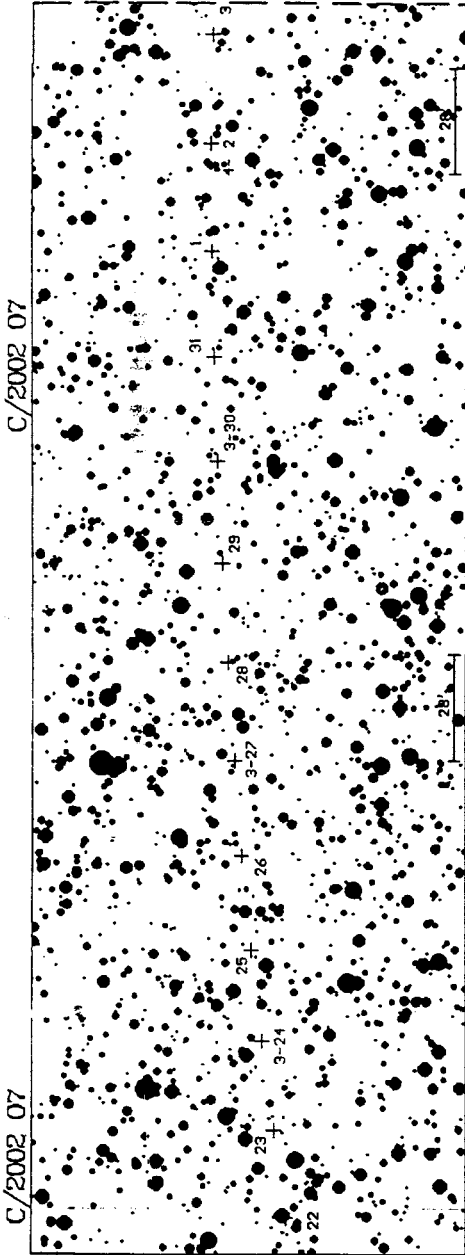
V této příloze uvádíme mapky okolí komet doporučených ke sledování, další informace budou v hlavním čísle Zpravodaje. Nejjasnější kometou bude asi C/2002 Y1 (Juels-Holvorcem), kolem 6.5 mag, až do svého zničení na jihu. Její mapa má šířku 14° a sahá do 8.4 mag (orientační mapa je zbytečná, kometa je v Andromedě). Slabší (kolem 10.5 mag) budou C/2001 RX14 (LINEAR) a C/2002 X5 (Kudo-Fujikawa), mají mapky do 12.3 mag o šířkách 4.4° a 3.6°; obě již slábnou (X5-ka projde těsně kolem meče Oriona). Asi 11.5 mag by měla mít ještě C/2001 HT50 (LINEAR-NEAT), její jasnost se až do konjunkce se Sluncem nebude moc měnit (má mapku 2.2° do 12.6 mag). Beze změn jasnosti by měla být i C/2001 K5 (mapka 0.9° do 14.6 mag), dle novějších pozorování je ale poněkud slabší, než před průchodem perihelmem (asi 14.5 mag). Periodické komety 30P/Reinmuth 1 (mapka 1° do 14.6 mag), 154P/Brewington (mapka 1.8° do 14.4 mag), a 155P/Shoemaker 3 (mapka 1.8° do 14.6 mag) již budou dost rychle slábnout, současně novoluní je asi posledním, ve kterém mohou být vizuálně sledovány (jejich jasnosti by měly být vesměs 13.5 -> 14.5). V dubnu by měla mít maximum jasnosti 116P/Wild 4 (mapka 1° do 14.8 mag), je při stávajícím návratu slabší než v minulém, bude asi kolem 13 mag. Původní optimistické předpovědi (dle pozorování z minulého roku, kdy byla již v červnu asi 13-13.5 mag) neplní také 65P/Gunn (mapka 1° do 14.0 mag), bude asi o 0.5-1 mag slabší. Kometa 81P/Wild 2 má "nejhorší možný návrat", je však dle ojedinělých zpráv skoro o 1 mag jasnější, než udává předpověď v tabulce (mapka 1.3° do 14.4 mag). Kometa C/2002 O7 (LINEAR), která by měla být nejjasnější kometou léta zatím stále "zaostává" za předpovědi své jasnosti, na přelomu března a dubna bude ještě spíš jen kolem 14 mag (mapka 1.9° do 14.6 mag).

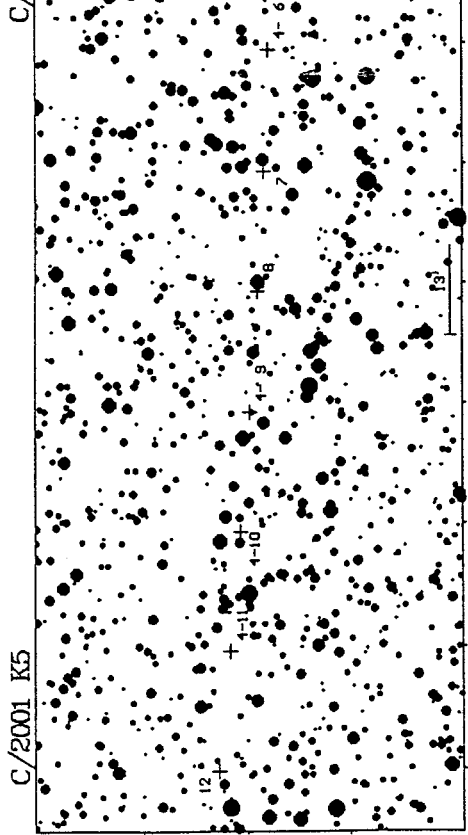
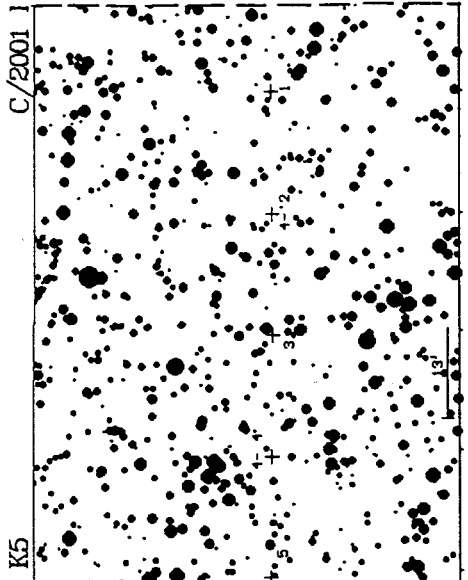
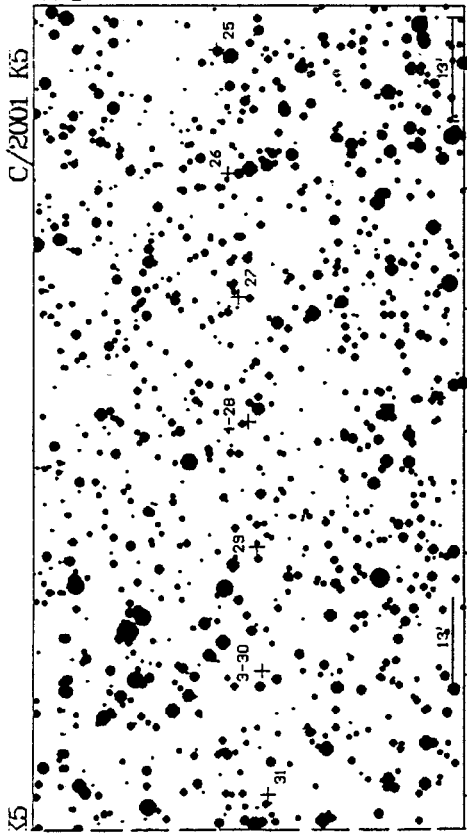
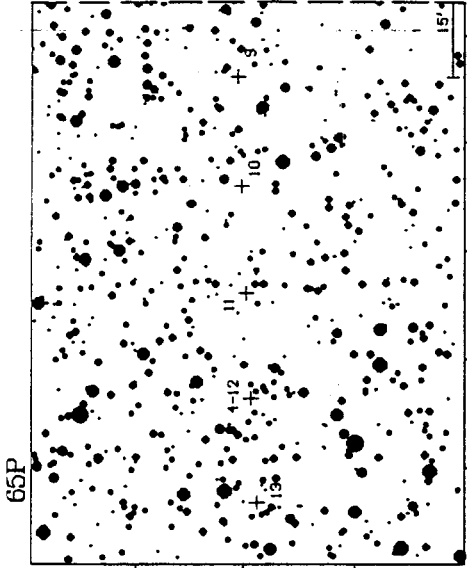
Věnujte prosím zvýšenou pozornost kometám C/2001 K5, C/2002 O7, 30P/Reinmuth 1, 116P/Wild 4 a 154P/Brewington! Efemeridy komet uvedených v této příloze (pro 2000 G) jsou:

Datum	R.A. h m s	Dekl. ° ' "	Dist. (AU)	r (AU)	elong. °	mag	Vidit °
C/2001 HT50 (LINEAR-NEAT) V-12							
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
03/03/28	5 49 31	8 09.4	2.977	2.984	80.8	11.6	40.4
03/04/01	5 46 15	8 42.0	3.046	2.970	76.1	11.6	37.8
03/04/05	5 43 28	9 12.8	3.115	2.956	71.6	11.7	34.8
03/04/09	5 41 06	9 41.9	3.183	2.943	67.2	11.7	31.6
03/04/13	5 39 07	10 09.5	3.249	2.931	62.9	11.7	28.2
03/04/17	5 37 30	10 35.7	3.312	2.919	58.7	11.8	24.7
03/04/21	5 36 11	11 00.4	3.373	2.907	54.5	11.8	21.1
C/2001 K5 (LINEAR) R-12							
03/03/16	18 51 50	34 58.6	5.452	5.315	76.9	13.9	61.3
03/03/20	18 54 15	35 53.9	5.429	5.321	78.5	13.9	62.6
03/03/24	18 56 30	36 50.0	5.408	5.328	80.1	13.9	63.8
03/03/28	18 58 34	37 46.6	5.386	5.335	81.7	13.9	65.1
03/04/01	19 00 27	38 43.8	5.366	5.342	83.3	13.9	66.4
03/04/05	19 02 09	39 41.3	5.347	5.350	84.8	13.9	67.7
03/04/09	19 03 38	40 38.9	5.329	5.357	86.2	13.9	68.9
03/04/13	19 04 54	41 36.5	5.312	5.365	87.6	13.9	70.2
03/04/17	19 05 57	42 33.8	5.296	5.373	89.0	13.9	71.5
03/04/21	19 06 46	43 30.8	5.281	5.381	90.3	13.9	72.9

C/2001 RX14 (LINEAR)

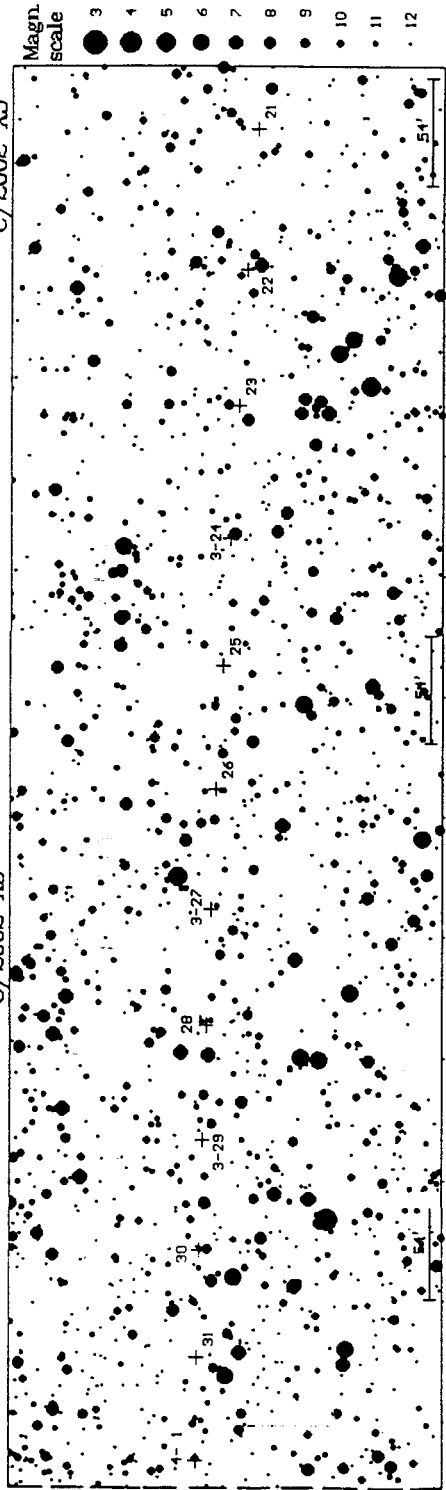
03/03/16	11	21	42	35	00.8	1.264	2.165	146.7	10.4
03/03/20	11	17	12	33	35.6	1.285	2.180	145.6	10.4
03/03/24	11	13	09	32	06.8	1.310	2.196	144.1	10.5
03/03/28	11	09	36	30	35.3	1.339	2.213	142.1	10.6
03/04/01	11	06	35	29	02.0	1.372	2.231	139.9	10.7





C/2002 X5

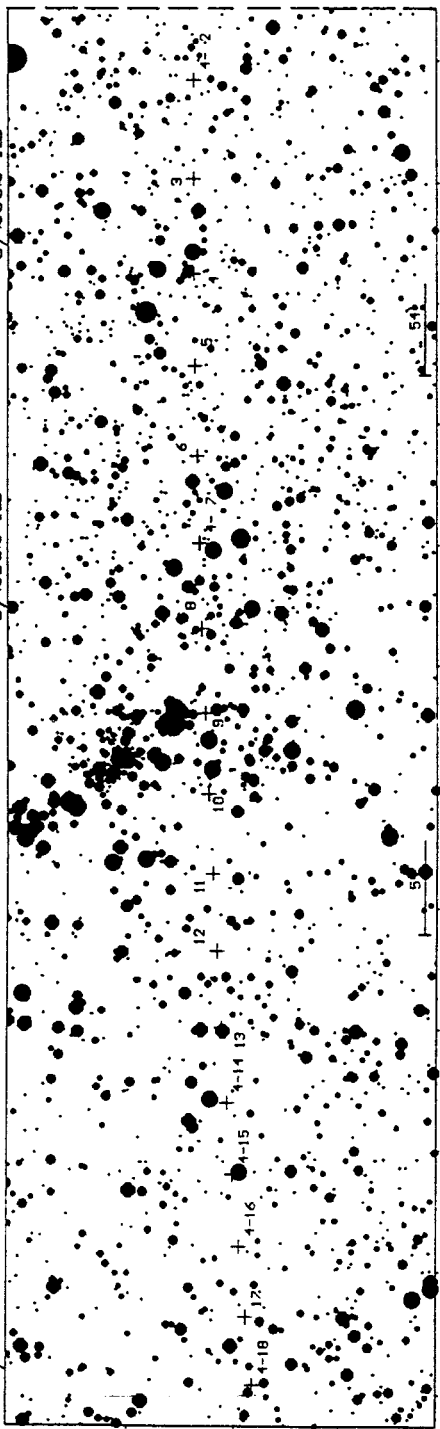
C/2002 X5

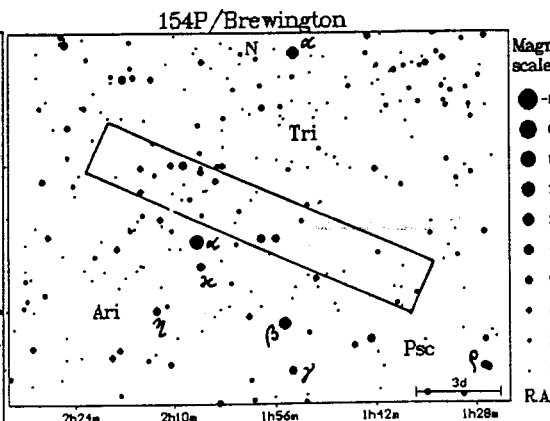
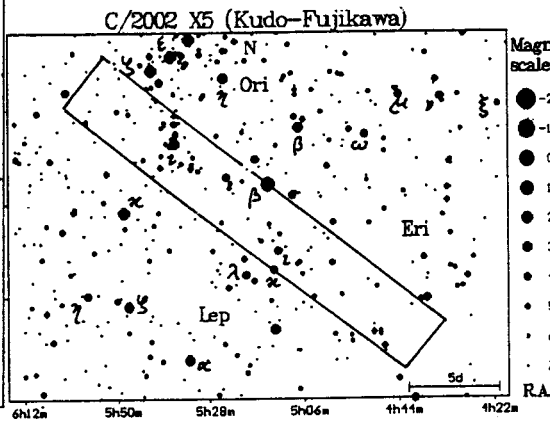
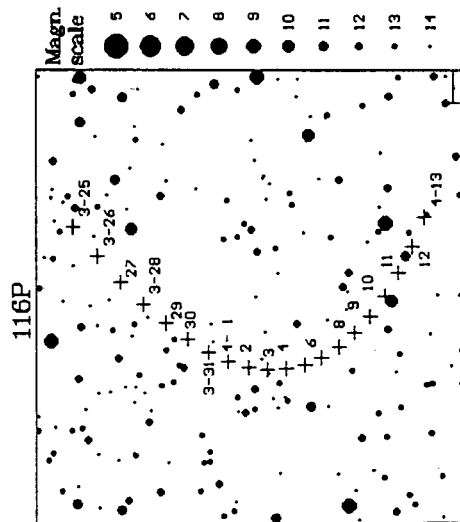
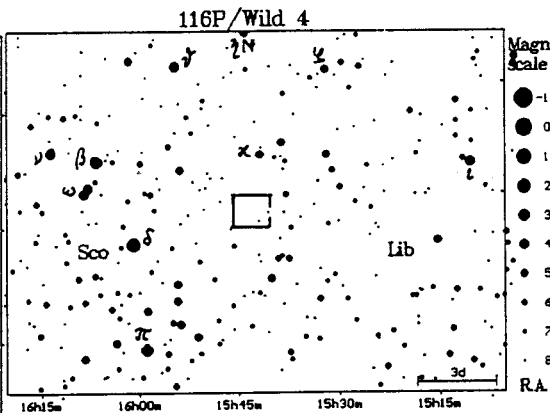
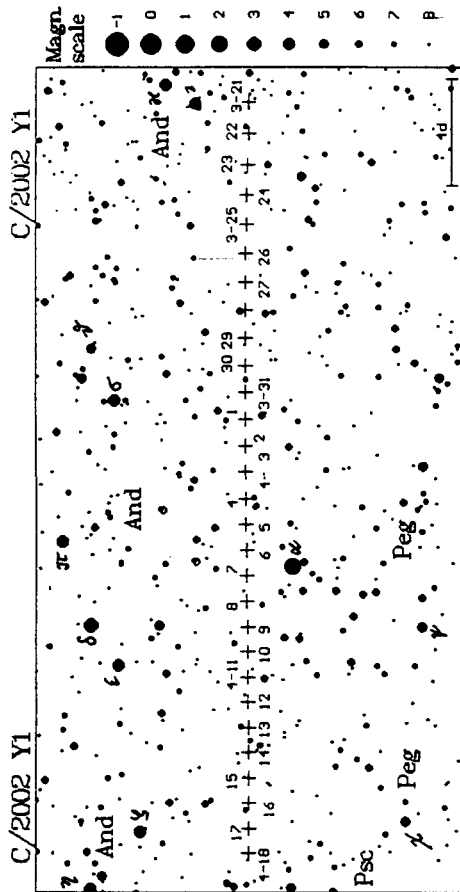


C/2002 X5

C/2002 X5

C/2002 X5



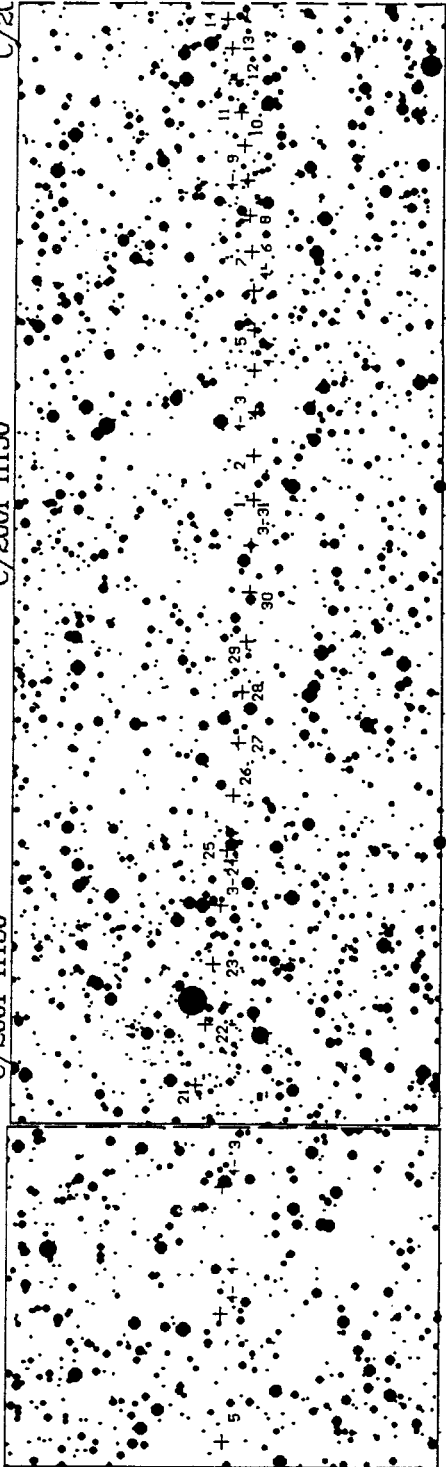


81P

C/2001 HT50

C/2001 HT50

C/2001 HT50



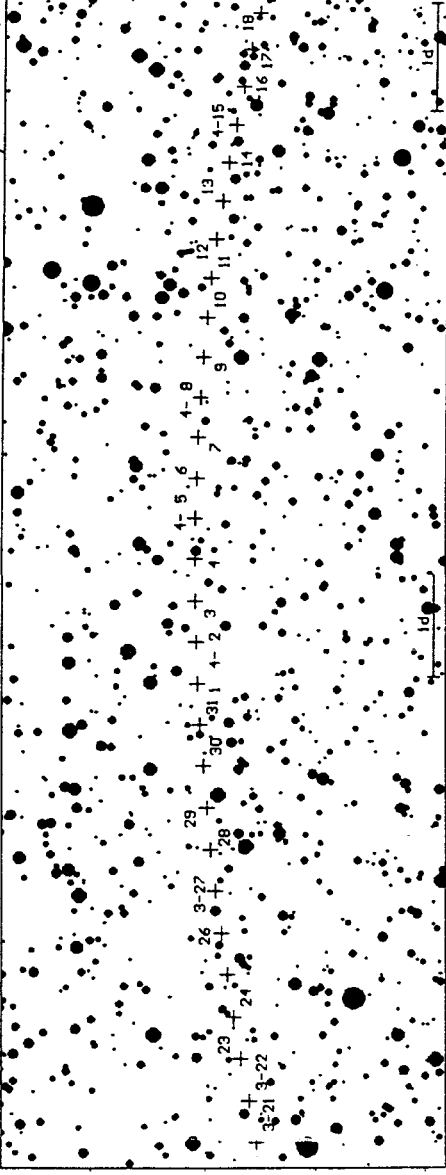
01 HT50



C/2001 RX14



C/2001 RX14

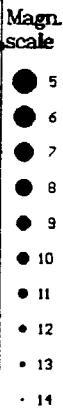
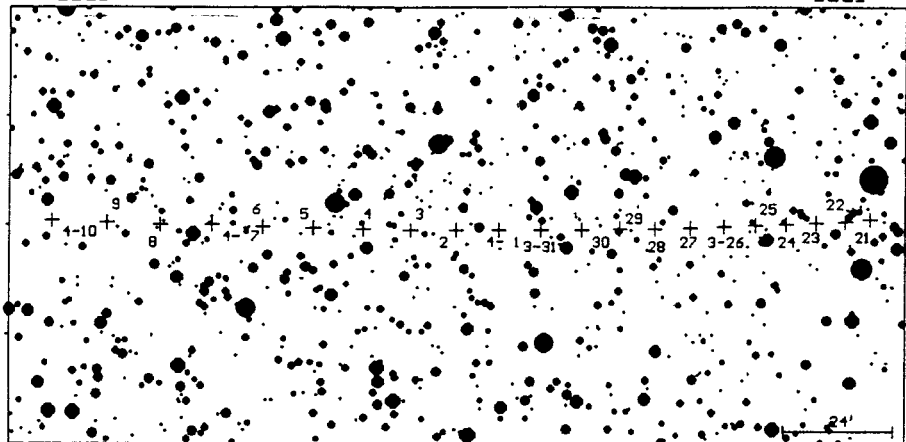


Magn. scale

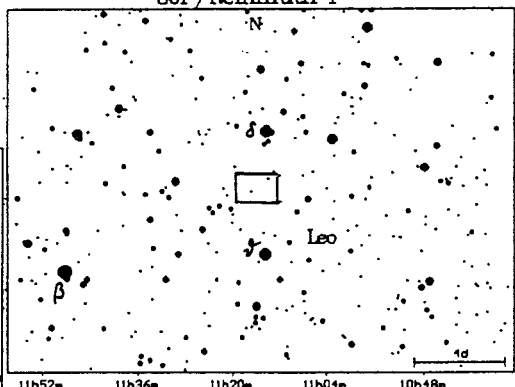
3
4
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155P

155P



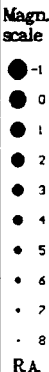
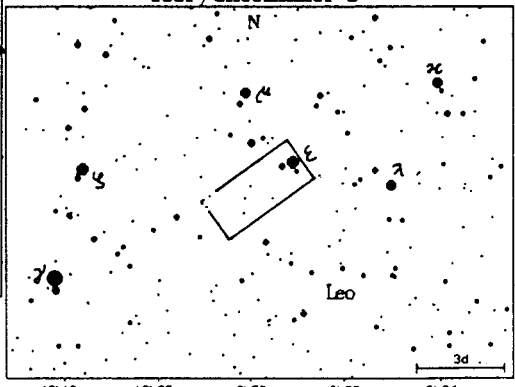
30P/Reinmuth 1



11h52m 11h36m 11h20m 11h04m 10h48m

RA

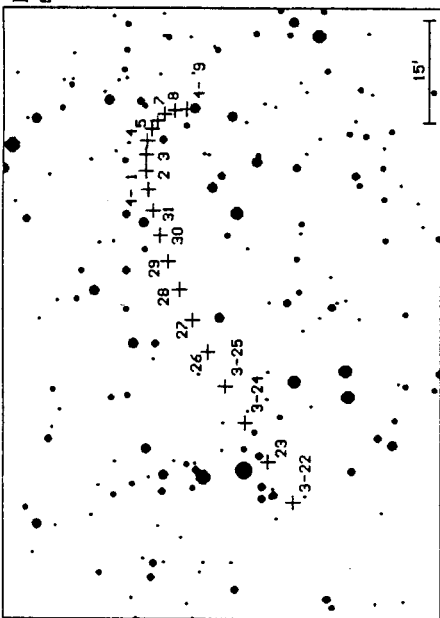
155P/Shoemaker 3



10h18m 10h05m 9h52m 9h39m 9h26m

RA

Magn. scale

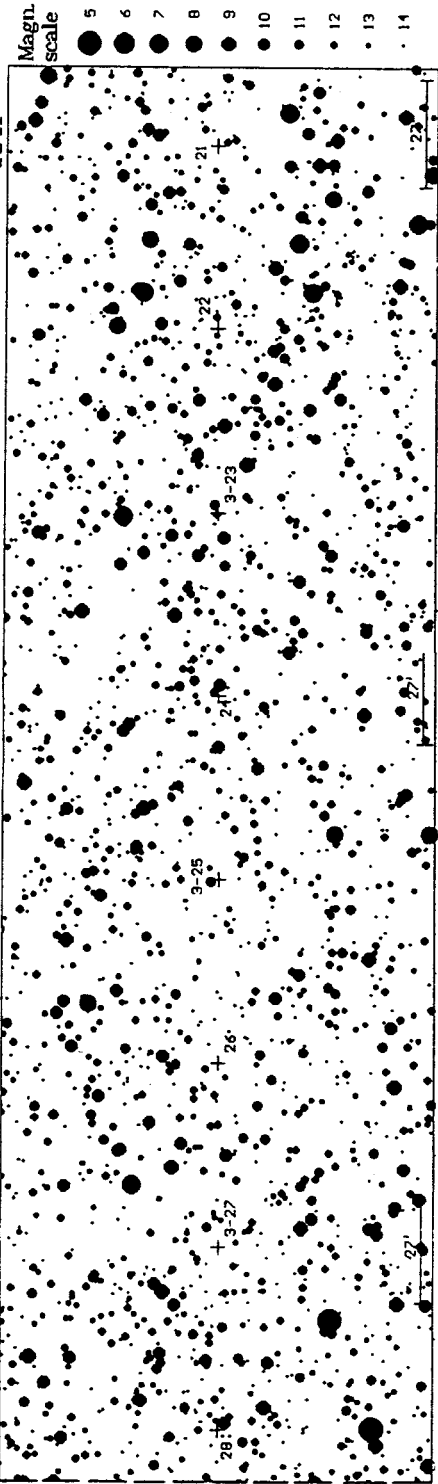


30P

P

154P

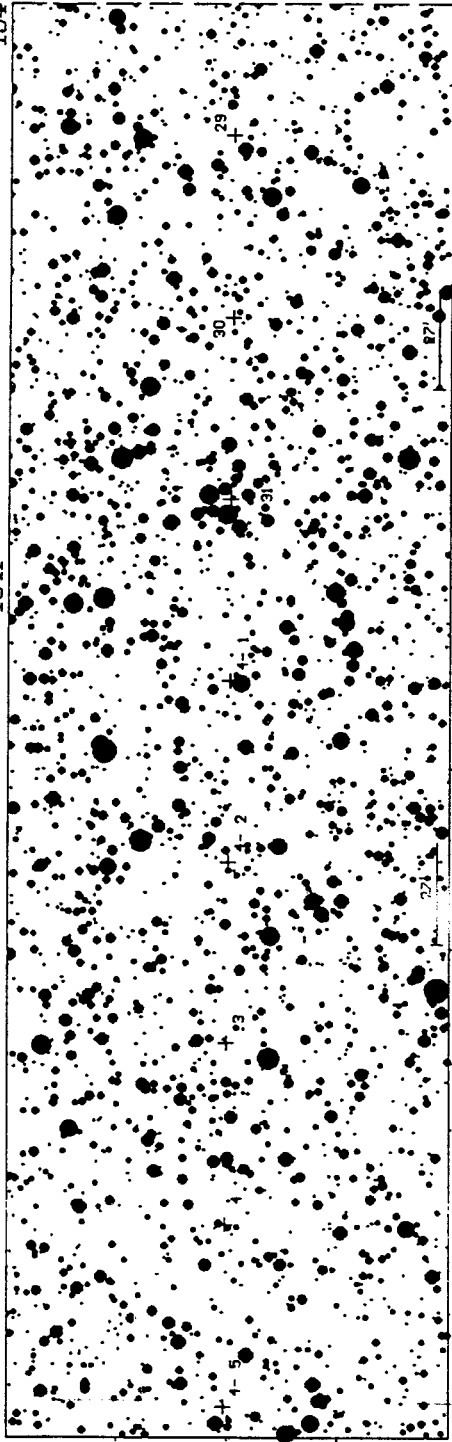
154P

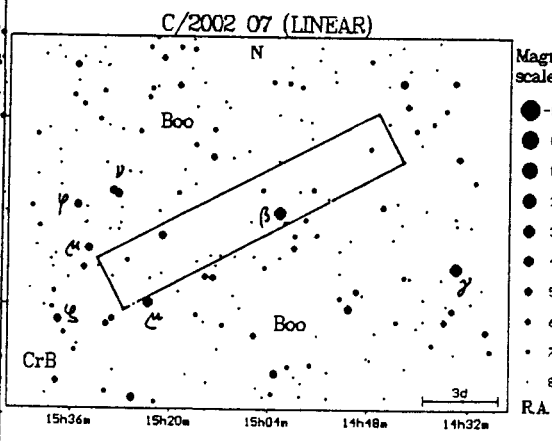
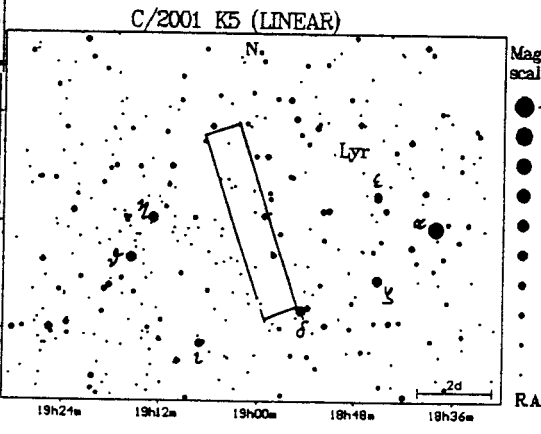
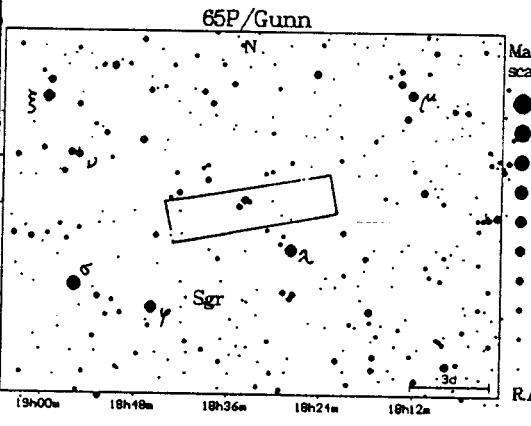
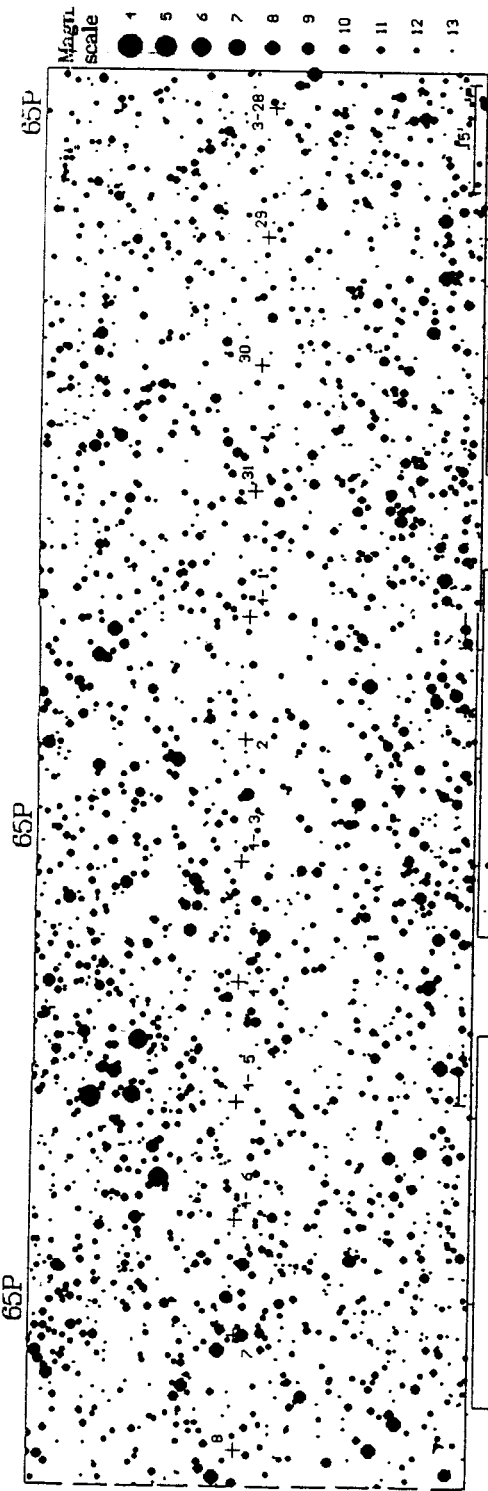


154P

154P

154





03/04/05	11 04 06	27 27.7	1.409	2.249	137.4	10.8
03/04/09	11 02 11	25 53.3	1.450	2.269	134.7	10.9
03/04/13	11 00 48	24 19.3	1.494	2.289	131.9	11.0
03/04/17	10 59 56	22 46.5	1.542	2.310	129.1	11.1
03/04/21	10 59 34	21 15.1	1.593	2.331	126.1	11.2

C/2002 O7 (LINEAR)

03/03/16	15 37 23	36 31.9	2.429	2.999	115.8	14.2
03/03/20	15 32 20	37 27.4	2.349	2.951	118.1	14.1
03/03/24	15 26 20	38 23.3	2.273	2.903	120.2	13.9
03/03/28	15 19 17	39 18.6	2.199	2.857	122.0	13.8
03/04/01	15 11 07	40 12.1	2.130	2.809	123.6	13.6
03/04/05	15 01 48	41 02.2	2.065	2.761	124.8	13.5
03/04/09	14 51 17	41 47.3	2.005	2.713	125.6	13.3
03/04/13	14 39 36	42 25.4	1.950	2.664	125.9	13.2
03/04/17	14 26 49	42 54.7	1.900	2.616	125.7	13.1
03/04/21	14 13 03	43 13.1	1.856	2.567	125.0	12.9

C/2002 X5 (Kudo-Fujikawa)

V-12

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
03/03/28	5 04 37	-12 00.0	1.469	1.482	70.9	9.1	17.4
03/04/01	5 16 06	-9 47.4	1.577	1.556	70.2	9.4	18.0
03/04/05	5 26 25	-7 51.8	1.688	1.628	69.2	9.7	18.1
03/04/09	5 35 48	-6 10.8	1.800	1.699	67.9	10.0	17.7
03/04/13	5 44 27	-4 42.3	1.914	1.769	66.4	10.3	17.0
03/04/17	5 52 29	-3 24.5	2.027	1.837	64.7	10.5	15.8
03/04/21	6 00 00	-2 16.1	2.141	1.905	62.8	10.8	14.4

C/2002 Y1 (Juels-Holvorcem)

R-12

03/03/16	23 09 51	46 11.7	1.172	0.908	48.7	7.0	29.3
03/03/20	23 26 38	42 58.9	1.235	0.863	43.9	6.8	25.8
03/03/24	23 40 25	39 52.7	1.296	0.821	39.3	6.7	22.6
03/03/28	23 51 59	36 52.4	1.356	0.785	35.0	6.6	19.7
03/04/01	0 01 58	33 56.6	1.411	0.756	30.9	6.5	17.0
03/04/05	0 10 48	31 04.1	1.462	0.733	27.2	6.5	14.4
03/04/09	0 18 49	28 13.7	1.507	0.719	24.0	6.5	12.0
03/04/13	0 26 18	25 24.6	1.545	0.714	21.5	6.5	9.6
03/04/17	0 33 26	22 36.7	1.575	0.718	19.9	6.5	7.2
03/04/21	0 40 24	19 49.7	1.599	0.731	19.4	6.7	4.9

30P/Reinmuth 1

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
03/03/28	11 15 11	18 12.1	1.109	2.049	152.9	14.4
03/04/01	11 14 13	18 16.5	1.140	2.063	149.1	14.5
03/04/05	11 13 38	18 16.1	1.174	2.077	145.4	14.6
03/04/09	11 13 26	18 11.1	1.211	2.091	141.7	14.7
03/04/13	11 13 38	18 02.0	1.250	2.106	138.2	14.8
03/04/17	11 14 15	17 48.9	1.292	2.122	134.7	15.0
03/04/21	11 15 15	17 32.2	1.337	2.137	131.3	15.1

65P/Gunn

R-12

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

03/03/28	18	23	46	-23	57.4	2.226	2.462	91.4	12.6	13.6
03/04/01	18	28	50	-24	09.3	2.174	2.459	94.2	12.5	13.4
03/04/05	18	33	39	-24	21.6	2.124	2.457	97.1	12.5	13.3
03/04/09	18	38	10	-24	34.4	2.073	2.454	100.0	12.4	13.2
03/04/13	18	42	23	-24	47.7	2.024	2.452	103.0	12.4	13.1
03/04/17	18	46	18	-25	01.8	1.976	2.451	106.0	12.3	13.0
03/04/21	18	49	52	-25	16.7	1.928	2.449	109.2	12.3	12.8

81P/Wild 2

V-12

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
03/03/28	4	39	14	20	09.5	2.569	2.317	64.2	14.5	40.9
03/04/01	4	45	13	20	25.6	2.592	2.294	61.7	14.5	38.5
03/04/05	4	51	30	20	41.2	2.612	2.270	59.3	14.4	36.1
03/04/09	4	58	02	20	56.2	2.632	2.247	56.9	14.4	33.6
03/04/13	5	04	50	21	10.3	2.649	2.223	54.5	14.3	31.2
03/04/17	5	11	53	21	23.6	2.666	2.200	52.3	14.3	28.7
03/04/21	5	19	11	21	35.9	2.681	2.177	50.1	14.2	26.2

116P/Wild 4

R-12

03/03/16	15	38	12	-20	35.6	1.555	2.203	117.8	13.2	18.2
03/03/20	15	40	17	-20	51.9	1.521	2.208	121.3	13.2	17.8
03/03/24	15	41	53	-21	06.9	1.487	2.213	124.8	13.2	17.3
03/03/28	15	42	58	-21	20.4	1.456	2.219	128.5	13.1	16.8
03/04/01	15	43	32	-21	32.4	1.427	2.225	132.3	13.1	16.3
03/04/05	15	43	34	-21	43.0	1.400	2.232	136.1	13.1	15.8
03/04/09	15	43	06	-21	52.0	1.376	2.238	140.1	13.0	15.3
03/04/13	15	42	07	-21	59.4	1.354	2.245	144.2	13.0	14.7
03/04/17	15	40	40	-22	05.3	1.336	2.253	148.4	13.0	14.1
03/04/21	15	38	47	-22	09.6	1.320	2.260	152.7	13.0	13.5

154P/Brewington

V-12

03/03/16	1	21	07	20	23.0	2.352	1.614	33.1	14.0	20.4
03/03/20	1	32	53	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
03/03/28	1	56	51	24	11.3	2.417	1.642	30.8	14.2	18.2
03/04/01	2	09	04	25	21.3	2.441	1.653	30.1	14.3	17.4
03/04/05	2	21	25	26	27.9	2.465	1.666	29.3	14.4	16.6
03/04/09	2	33	54	27	30.8	2.490	1.679	28.5	14.5	15.8
03/04/13	2	46	29	28	29.8	2.516	1.694	27.7	14.6	15.0
03/04/17	2	59	10	29	24.8	2.543	1.710	26.9	14.7	14.2
03/04/21	3	11	55	30	15.7	2.571	1.726	26.1	14.8	13.3

155P/Shoemaker 3

V-12

03/03/16	9	44	15	23	52.7	1.169	2.060	144.2	14.1	47.4
03/03/20	9	45	15	23	41.9	1.212	2.080	140.7	14.2	50.4
03/03/24	9	46	37	23	28.0	1.257	2.100	137.2	14.4	53.1
03/03/28	9	45	21	23	11.3	1.304	2.122	133.8	14.5	55.0
03/04/01	9	50	27	22	51.9	1.354	2.143	130.6	14.6	57.7
03/04/05	9	52	54	22	30.1	1.407	2.165	127.4	14.8	59.3
03/04/09	9	55	40	22	06.1	1.461	2.188	124.3	14.9	60.5
03/04/13	9	58	44	21	40.1	1.518	2.211	121.2	15.0	61.1
03/04/17	10	02	05	21	12.4	1.576	2.234	118.3	15.2	61.2
03/04/21	10	05	40	20	43.0	1.637	2.258	115.4	15.3	60.6