



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

SUNSPOT CO-ORDINATES AND CLASSIFICATIONS

1998

CONTENTS:

JANUARY	2-3
FEBRUARY	4-5
MARCH	6-8
APRIL	9-10
MAY	11-12
JUNE	13-14
JULY	15-16
AUGUST	17-20
SEPTEMBER	21-23
OCTOBER	24-25
NOVEMBER	26-28
DECEMBER	29-31



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR JANUARY 1998

All observations carried out by HOWARD BARNES .

Telescope : 76 mm refractor (f . l . 910 mm) .

Observed by PROJECTION . Full disc diameter = 145 mm approx .

CM is stated in degrees .

Region Numbers are NOAA/SEC Numbers .

B = Heliographic Latitude (+ if NORTH , - if SOUTH) .

CMD = Degrees of Longitude in respect to the Central Meridian (- if EAST , + if WEST) .

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks
3375	1998 / 01 / 01	2020	272,00	8130	-29	+07	6	2	2	1	4	2	0	0	DSI	—
				8126	+21	+35	7	2	2	1	5	2	0	0	DAI	—
				8124	-22	+75	2	1	1	1	1	1	0	0	CSO	—
3376	1998 / 01 / 02	2030	258,74	8130	-29	+20	3	0	3	1	0	3	0	0	BXI	—
				8126	+21	+48	7	2	1	1	6	1	0	0	DAI	—
3377	1998 / 01 / 03	2045	245,43	8130	-29	+34	2	0	2	1	0	2	0	0	BXO	—
				8126	+21	+61	7	3	2	1	5	2	0	0	DAC	—
3378	1998 / 01 / 04	2025	232,45	8130	-29	+46	1	0	1	0	0	0	0	1	AXX	small
				8126	+21	+73	2	1	1	1	1	1	0	0	CSO	—
3379	1998 / 01 / 05	2015	219,37	8129	+23	+53	1	0	1	0	0	0	0	1	AXX	—
3380	1998 / 01 / 06	2110	205,69	—	—	—	0	0	0	0	0	0	0	0	—	—
3381	1998 / 01 / 07	1935	193,39	—	—	—	0	0	0	0	0	0	0	0	—	—
3382	1998 / 01 / 09	1955	166,87	—	—	—	0	0	0	0	0	0	0	0	—	—
3383	1998 / 01 / 10	1950	153,75	8131	-26	-23	4	0	4	1	0	4	0	0	BXI	—
3384	1998 / 01 / 12	2010	127,23	8131	-24	-05	21	3	15	1	6	15	0	0	DAC	—
				8132	-20	+09	3	0	3	1	0	3	0	0	BXI	—
3385	1998 / 01 / 13	1955	114,20	8135	-17	-71	1	0	1	0	0	0	0	1	AXX	big
				8131	-23	+08	14	3	5	1	9	5	0	0	EAC	—
				8132	-19	+22	1	0	1	0	0	0	0	1	AXX	small
3386	1998 / 01 / 14	1940	101,17	8135	-18	-58	1	0	1	0	0	0	0	1	AXX	big
				8136	+16	-06	1	0	1	0	0	0	0	1	AXX	—
				8131	-23	+20	19	3	8	1	11	8	0	0	DAC	—
3387	1998 / 01 / 19	2015	35,01	8141	+26	-52	1	0	1	0	0	0	0	1	AXX	small
				8135	-17	+08	2	0	2	1	0	2	0	0	BXO	—



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR JANUARY 1998 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks
3388	1998 / 01 / 26	1945	303,12	8146	+16	-38	4	0	4	1	0	4	0	0	BXI	—
				8143	-35	-24	13	2	7	1	6	7	0	0	EAI	—
				8142	-21	+45	6	1	5	1	1	5	0	0	CSI	—
3389	1998 / 01 / 28	2230	275,28	8146	+15	-11	4	0	4	1	0	4	0	0	BXI	—
				8143	-35	+04	12	2	7	1	5	7	0	0	EAI	—
				8142	-21	+77	1	1	0	0	0	0	1	0	HSX	—
3390	1998 / 01 / 31	1940	237,34	8143	-35	+44	4	1	2	1	2	2	0	0	CAI	—



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR FEBRUARY 1998

All observations carried out by HOWARD BARNES .

Telescope : 76 mm refractor (f . l . 910 mm) .

Observed by PROJECTION . Full disc diameter = 145 mm approx .

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OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks
3391	1998 / 02 / 01	1935	224,21	8145	+28	+37	1	0	1	0	0	0	0	1	AXX	—
				8143	-35	+61	2	1	0	1	2	0	0	0	HAX	—
3392	1998 / 02 / 02	2000	210,82	8143	-35	+74	1	1	0	0	0	0	1	0	HAX	—
3393	1998 / 02 / 03	1950	197,75	8151	-23	-78	1	0	1	0	0	0	0	1	AXX	—
				8150	+26	+26	6	1	4	1	2	4	0	0	CAI	—
				8143	-35	+87	1	0	1	0	0	0	0	1	AXX	big
3394	1998 / 02 / 05	2005	171,28	8151	-22	-51	3	1	2	1	1	2	0	0	CSO	—
				8152	-20	+42	2	0	2	1	0	2	0	0	BXO	—
				8150	+26	+53	1	0	1	0	0	0	0	1	AXX	—
3395	1998 / 02 / 06	2030	157,88	8151	-22	-38	1	1	0	0	0	0	1	0	HSX	—
				8152	-20	+55	4	0	4	1	0	4	0	0	BXI	—
3396	1998 / 02 / 07	2005	144,94	8151	-21	-25	1	1	0	0	0	0	1	0	HSX	—
				8152	-21	+68	3	0	3	1	0	3	0	0	BXI	—
3397	1998 / 02 / 08	2145	130,86	8153	-40	-40	2	0	2	1	0	2	0	0	BXO	—
				8151	-22	-11	2	1	1	1	1	1	0	0	CSO	—
3398	1998 / 02 / 11	1955	92,36	8156	-23	-58	5	1	4	1	1	4	0	0	CSI	—
				8153	-39	-05	2	0	2	1	0	2	0	0	BXO	—
				8151	-23	+25	1	1	0	0	0	0	1	0	HSX	—
3399	1998 / 02 / 13	2025	65,76	8158	-20	-52	2	0	2	1	0	2	0	0	BXO	—
				8156	-24	-32	18	4	11	1	7	11	0	0	EKC	—
				8151	-23	+51	1	1	0	0	0	0	1	0	HSX	small
3400	1998 / 02 / 14	1950	52,91	8158	-20	-39	3	1	2	1	1	2	0	0	CSI	small
				8156	-24	-19	29	4	19	1	10	19	0	0	DKC	—
				8151	-24	+64	1	0	1	0	0	0	0	1	AXX	—
3401	1998 / 02 / 16	2040	26,11	8160	+23	-26	2	1	1	1	1	1	0	0	CSO	—
				8158	-21	-12	2	0	2	1	0	2	0	0	BXO	—
				8156	-25	+08	18	4	9	1	9	9	0	0	DKC	—



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR FEBRUARY 1998 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3402	1998 / 02 / 19	2020	346,79	8158	-21	+27	1	0	1	0	0	0	0	1	AXX	—	
				8156	-24	+45	12	2	4	1	8	4	0	0	DHI	—	
3403	1998 / 02 / 21	1945	320,77	8156	-25	+71	3	1	1	1	2	1	0	0	CKO	—	
3404	1998 / 02 / 24	2000	281,12	8167	-25	-21	5	1	4	1	1	4	0	0	CSI	—	
				8164	+16	-04	21	4	7	1	14	7	0	0	DAC	—	
				8166	+23	+22	1	0	1	0	0	0	0	0	1	AXX	small
				8168	+18	+33	1	0	1	0	0	0	0	0	1	AXX	—
				8163	-22	+53	3	1	2	1	1	2	0	0	0	CSO	class correct
3405	1998 / 02 / 25	2150	266,95	8167	-25	-07	8	2	3	1	5	3	0	0	DAI	—	
				8164	+16	+09	19	5	6	1	13	6	0	0	DAC	—	
				8163	-22	+67	1	0	1	0	0	0	0	0	1	AXX	—
3406	1998 / 02 / 27	2000	241,61	8171	-24	-07	2	0	2	1	0	2	0	0	BXO	—	
				8167	-26	+18	7	0	7	1	0	7	0	0	BXI	—	
				8164	+16	+35	8	2	5	1	3	5	0	0	DAI	—	
				8169	-25	+40	1	0	1	0	0	0	0	0	1	AXX	—



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR MARCH 1998

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Observed by PROJECTION . Full disc diameter = 145 mm approx .

CM is stated in degrees .

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OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks
3407	1998 / 03 / 01	2005	215,22	8172	+23	-07	2	0	2	1	0	2	0	0	BXO	—
				8171	-24	+21	14	5	8	1	6	8	0	0	DSC	—
				8167	-26	+44	2	1	1	1	1	1	0	0	CSO	small
				8164	+16	+63	3	1	1	1	2	1	0	0	CAO	—
				8169	-22	+69	3	1	2	1	1	2	0	0	CSI	—
3408	1998 / 03 / 03	1955	188,96	8172	+23	+19	2	1	1	1	1	1	0	0	CRO	—
				8171	-23	+46	15	3	7	1	8	7	0	0	DKC	—
3409	1998 / 03 / 04	2050	175,29	8172	+22	+34	2	1	1	1	1	1	0	0	CSO	—
				8171	-23	+60	14	2	8	1	6	8	0	0	DKO	—
3410	1998 / 03 / 07	2040	135,85	8176	-40	-69	1	0	1	0	0	0	0	1	AXX	—
				8175	+45	-62	1	1	0	0	0	0	1	0	HSX	—
				8174	-17	-40	10	2	7	1	3	7	0	0	DAI	—
3411	1998 / 03 / 08	1955	123,09	8176	-40	-57	3	0	3	1	0	3	0	0	BXI	—
				8175	+45	-49	1	1	0	0	0	0	1	0	HSX	—
				8174	-18	-27	7	1	6	1	1	6	0	0	CSI	—
				?	-15	-12	1	0	1	0	0	0	0	1	AXX	very small
3412	1998 / 03 / 11	2015	83,38	8178	-16	-62	1	1	0	0	0	0	1	0	HSX	—
				8180	-30	-56	3	0	3	1	0	3	0	0	BXI	—
				8179	-22	-50	4	0	4	1	0	4	0	0	BXI	—
				8176	-39	-19	23	3	12	1	11	12	0	0	DAC	—
				8175	+46	-12	1	0	1	0	0	0	0	1	AXX	big
				8174	-18	+14	2	1	1	1	1	1	0	0	CSO	—
3413	1998 / 03 / 14	2235	42,56	8178	-17	-22	1	1	0	0	0	0	1	0	HSX	—
				8180	-29	-20	2	0	2	1	0	2	0	0	BXO	—
				8179	-22	-10	26	8	7	1	19	7	0	0	DKC	—
				8176	-39	+21	14	2	9	1	5	9	0	0	DAI	—
				8175	+47	+24	1	0	1	0	0	0	0	1	AXX	—



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR MARCH 1998 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks
3414	1998 / 03 / 16	2120	16,88	?	-06	+02	1	0	1	0	0	0	0	1	AXX	small
				8178	-17	+05	3	1	1	1	2	1	0	0	CAO	—
				8179	-23	+15	41	7	13	1	28	13	0	0	EKC	—
				?	-35	+25	4	1	2	1	2	2	0	0	CAI	small
3415	1998 / 03 / 18	2010	351,16	8183	+21	-60	3	1	1	1	2	1	0	0	CAO	—
				?	-20	-25	1	0	1	0	0	0	0	1	AXX	—
				8178	-16	+30	2	1	0	1	2	0	0	0	HAX	—
				8179	-22	+40	44	6	13	1	31	13	0	0	EKC	—
3416	1998 / 03 / 19	2135	337,20	8183	+22	-46	7	1	6	1	1	6	0	0	CSI	—
				8178	-17	+44	1	1	0	0	0	0	1	0	HRX	—
				8179	-22	+54	26	5	7	1	19	7	0	0	EKC	—
				8182	-24	+68	2	0	2	1	0	2	0	0	BXO	—
3417	1998 / 03 / 20	2220	323,60	8185	-23	-66	1	0	1	0	0	0	0	1	AXX	—
				8184	-17	-48	3	1	2	1	1	2	0	0	CSI	—
				8183	+22	-33	8	1	7	1	1	7	0	0	CSI	—
				8178	-17	+57	1	1	0	0	0	0	1	0	HSX	—
				8179	-22	+66	21	3	6	1	15	6	0	0	EKC	—
				8182	-25	+80	1	0	1	0	0	0	0	1	AXX	—
3418	1998 / 03 / 22	2045	298,10	8185	-24	-64	13	4	6	1	7	6	0	0	EKC	—
				8184	-18	-22	5	2	2	1	3	2	0	0	DAI	—
				8183	+22	-07	9	3	3	1	6	3	0	0	DAC	—
				8178	-16	+82	1	0	1	0	0	0	0	1	AXX	—
				8179	-23	+85	4	3	0	1	4	0	0	0	DAC	—
3419	1998 / 03 / 23	2045	284,91	8185	-24	-52	22	5	7	1	15	7	0	0	EKC	—
				8184	-19	-09	5	2	3	1	2	3	0	0	DSI	—
				8183	+22	+05	9	3	4	1	5	4	0	0	DAC	—
3420	1998 / 03 / 24	2030	271,86	8185	-24	-39	19	5	6	1	13	6	0	0	FKC	—
				8184	-20	+03	1	0	1	0	0	0	0	1	AXX	big
				8183	+22	+18	9	3	3	1	6	3	0	0	DAC	—
3421	1998 / 03 / 29	2015	206,06	8190	-20	-68	4	2	1	1	3	1	0	0	DSI	—
				8188	+30	-08	1	0	1	0	0	0	0	1	AXX	—
				8185	-25	+25	12	1	11	1	1	11	0	0	CKI	widespread



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR MARCH 1998 continued.

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3422	1998 / 03 / 30	2035	192,69	8190	-20	-57	7	2	2	1	5	2	0	0	DAI	—
				8185	-25	+36	16	3	8	1	8	8	0	0	DKC	—
				8189	-26	+53	1	0	1	0	0	0	0	1	AXX	—
3423	1998 / 03 / 31	2210	178,63	8190	-20	-40	22	5	7	1	15	7	0	0	EAC	—
				8185	-25	+51	14	3	9	1	5	9	0	0	DHC	—



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

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Observed by PROJECTION . Full disc diameter = 145 mm approx .

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3424	1998 / 04 / 02	2150	152.42	8190	-20	-12	19	6	8	1	11	8	0	0	EAC	—
				8192	-31	+53	1	0	1	0	0	0	0	1	AXX	—
				8185	-25	+76	5	2	3	1	2	3	0	0	DAI	—
3425	1998 / 04 / 04	2115	126.35	8194	-18	-83	1	1	0	0	0	0	1	0	HHX	—
				8193	-21	-43	10	2	6	1	4	6	0	0	DAI	—
				8190	-20	+14	13	1	12	1	1	12	0	0	CAI	—
				8192	-30	+79	1	0	1	0	0	0	0	1	AXX	—
3426	1998 / 04 / 05	2055	113.34	8195	-27	-78	1	0	1	0	0	0	0	1	AXX	—
				8194	-18	-73	3	2	1	1	2	1	0	0	DHI	—
				8193	-22	-29	17	4	9	1	8	9	0	0	DAC	—
				8191	-22	+15	3	0	3	1	0	3	0	0	BXI	—
				8190	-20	+34	3	1	2	1	1	2	0	0	CSI	—
3427	1998 / 04 / 11	2240	33.18	8198	-27	-23	4	0	4	1	0	4	0	0	BXI	—
				8195	-26	-05	2	0	2	1	0	2	0	0	BXO	—
				8194	-19	+03	7	2	4	1	3	4	0	0	DKI	—
				8200	-21	+20	6	3	2	1	4	2	0	0	DAC	—
				8193	-22	+51	3	2	1	1	2	1	0	0	DSI	—
				8199	-26	+54	2	0	2	1	0	2	0	0	BXO	—
3428	1998 / 04 / 12	2050	20.99	8198	-28	-12	4	0	4	1	0	4	0	0	BXI	—
				8194	-19	+14	4	2	1	1	3	1	0	0	DAI	—
				8200	-21	+32	4	1	2	1	2	2	0	0	CAI	—
				8193	-23	+63	3	1	2	1	1	2	0	0	CSI	—
				8199	-27	+66	2	0	2	1	0	2	0	0	BXO	—



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR APRIL 1998 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3429	1998 / 04 / 13	2135	7.38	8202	-25	-08	6	0	6	1	0	6	0	0	BXI	—	
				8198	-28	-00	1	0	1	0	0	0	0	0	1	AXX	—
				8195	-25	+20	2	0	2	1	0	2	0	0	0	BXO	—
				8194	-18	+28	6	2	2	1	4	2	0	0	0	DAI	—
				8200	-21	+45	5	1	3	1	2	3	0	0	0	CAI	—
				8193	-22	+76	1	1	0	0	0	0	0	1	0	HSX	—
3430	1998 / 04 / 17	2215	314.19	8205	+20	-02	5	1	4	1	1	4	0	0	CSI	—	
				8203	+32	+51	2	0	2	1	0	2	0	0	0	BXO	—
3431	1998 / 04 / 25	2025	209.53	8210	-17	-71	4	1	3	1	1	3	0	0	CHI	—	
3432	1998 / 04 / 27	2200	182.23	8210	-17	-44	5	1	3	1	2	3	0	0	CKI	—	
3433	1998 / 04 / 28	2040	169.75	8210	-17	-32	11	2	7	1	4	7	0	0	CKI	—	
				8212	-30	+64	1	0	1	0	0	0	0	0	1	AXX	—
3434	1998 / 04 / 29	2150	155.90	8210	-17	-18	6	1	4	1	2	4	0	0	CKI	—	



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REGION CO-ORDINATES AND CLASSIFICATIONS FOR MAY 1998

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Observed by PROJECTION . Full disc diameter = 145 mm approx .

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B = Heliographic Latitude (+ if NORTH , - if SOUTH) .

CMD = Degrees of Longitude in respect to the Central Meridian (- if EAST, + if WEST).

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks
3435	1998 / 05 / 01	2150	129.46	8214	+27	-34	14	3	7	1	7	7	0	0	DSI	—
				8210	-17	+09	23	1	15	1	8	15	0	0	CKI	—
3436	1998 / 05 / 02	2055	116.76	8217	-16	-75	1	1	0	0	0	0	1	0	HSX	—
				8214	+27	-22	22	4	11	1	11	11	0	0	DAC	—
				8210	-17	+21	19	1	10	1	9	10	0	0	CKI	—
3437	1998 / 05 / 03	2105	103.45	8217	-16	-61	1	1	0	0	0	0	1	0	HSX	—
				8214	+27	-08	29	4	15	1	14	15	0	0	DKC	—
				8210	-17	+35	10	1	3	1	7	3	0	0	CKI	—
3438	1998 / 05 / 04	2050	90.36	8217	-16	-48	1	1	0	0	0	0	1	0	HSX	—
				8216	-21	-00	2	0	2	1	0	2	0	0	BXO	—
				8214	+27	+06	39	5	26	1	13	26	0	0	EKC	—
				8210	-17	+47	8	2	1	1	7	1	0	0	CKI	—
3439	1998 / 05 / 05	2100	77.05	?	+30	-40	1	0	1	0	0	0	0	1	AXX	—
				8217	-16	-35	1	1	0	0	0	0	1	0	HSX	—
				8214	+27	+19	47	6	19	1	28	29	0	0	EKC	—
				8210	-16	+60	9	1	3	1	6	3	0	0	CKI	—
3440	1998 / 05 / 07	2125	50.38	8218	-21	-61	9	2	4	1	5	4	0	0	DSI	—
				8219	+28	-56	2	0	2	1	0	2	0	0	BXO	—
				8217	-16	-09	1	1	0	0	0	0	1	0	HSX	—
				8214	+27	+46	22	4	10	1	12	10	0	0	EKC	—
				8210	-16	+84	2	2	0	1	2	0	0	0	CSO	—
3441	1998 / 05 / 10	2140	10.58	8220	-30	-84	1	1	0	0	0	0	1	0	HSX	—
				8218	-21	-23	10	4	4	1	6	4	0	0	DAC	—
				8217	-16	+30	1	1	0	0	0	0	1	0	HSX	—
3442	1998 / 05 / 11	2045	357.86	8220	-30	-70	4	1	3	1	1	3	0	0	CSI	—
				8218	-20	-10	13	4	5	1	8	5	0	0	DHC	—
				8217	-16	+42	1	1	0	0	0	0	1	0	HSX	—



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR MAY 1998 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks
3443	1998 / 05 / 14	2045	318.18	8222	+22	-38	15	3	9	1	6	9	0	0	CAI	class correct
				8220	-28	-35	9	2	5	1	4	5	0	0	DAI	—
				8218	-20	+29	23	3	13	1	10	13	0	0	ESC	—
3444	1998 / 05 / 16	2055	291.64	8222	+22	-12	15	2	4	1	11	4	0	0	DAI	—
				8220	-28	-10	22	1	18	1	4	18	0	0	CAI	—
				8218	-20	+55	19	4	5	1	14	5	0	0	EAC	—
3445	1998 / 05 / 17	2225	277.58	8222	+22	+02	15	3	7	1	8	7	0	0	EAC	—
				8220	-28	+04	12	2	6	1	6	6	0	0	DAI	—
				8218	-20	+68	8	3	3	1	5	3	0	0	ESC	—
3446	1998 / 05 / 18	2050	265.23	8222	+22	+15	13	3	5	1	8	5	0	0	DAC	—
				8220	-27	+16	7	1	6	1	1	6	0	0	CSI	—
				8218	-20	-79	3	1	2	1	1	2	0	0	CSI	—
3447	1998 / 05 / 23	2045	199.13	8225	-18	-64	1	0	1	0	0	0	0	1	AXX	—
				?	+15	-06	1	0	1	0	0	0	0	1	AXX	—
				8226	+18	+11	12	3	4	1	8	4	0	0	DAI	—
3448	1998 / 05 / 25	2110	172.44	8227	+25	-76	4	1	1	1	3	1	0	0	CAO	—
				8225	-18	-37	1	0	1	0	0	0	0	1	AXX	—
				8226	+18	+38	15	4	3	1	12	3	0	0	DAC	—
3449	1998 / 05 / 27	2105	146.03	8227	+26	-51	7	2	0	1	7	0	0	0	DAC	compact
				8225	-18	-11	1	0	1	0	0	0	0	1	AXX	—
				8226	+18	+64	5	1	3	1	2	3	0	0	CAI	—
3450	1998 / 05 / 28	2150	132.38	8227	+26	-37	6	2	0	1	6	0	0	0	DAC	compact
				8229	-18	-26	1	0	1	0	0	0	0	1	AXX	—
				8226	+18	+78	2	1	1	1	1	1	0	0	CSO	—
3451	1998 / 05 / 31	2230	92.32	8230	-20	-48	7	1	6	1	1	6	0	0	CSI	—
				8227	+26	+03	6	2	2	1	4	2	0	0	DAI	compact
				8228	-22	+38	2	0	2	1	0	2	0	0	BXO	—



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR JUNE 1998

All observations carried out by HOWARD BARNES .

Telescope : 76 mm refractor (f . l . 910 mm) .

Observed by PROJECTION . Full disc diameter = 145 mm approx .

CM is stated in degrees .

Region Numbers are NOAA/SEC Numbers .

B = Heliographic Latitude (+ if NORTH , - if SOUTH) .

CMD = Degrees of Longitude in respect to the Central Meridian (- if EAST , + if WEST) .

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks
3452	1998 / 06 / 02	2210	66.03	8232	-18	-76	1	1	0	0	0	0	1	0	HHX	—
				8230	-20	-24	13	2	5	1	8	5	0	0	DAI	—
				8227	+25	+29	5	2	1	1	4	1	0	0	DSI	compact
3453	1998 / 06 / 03	2130	53.17	8233	+28	-79	3	1	2	1	1	2	0	0	CSI	—
				8232	-19	-62	2	1	1	1	1	1	0	0	CHO	—
				8230	-20	-11	16	2	10	1	6	10	0	0	DAI	—
				8227	+26	+41	3	2	0	1	3	0	0	0	DAO	—
3454	1998 / 06 / 15	2120	254.42	8249	-25	-76	1	1	0	0	0	0	1	0	HSX	—
				8243	+17	-40	1	1	0	0	0	0	1	0	HHX	—
				8242	-21	-18	3	1	1	1	2	1	0	0	CAO	—
				8244	+35	-04	6	0	6	1	0	6	0	0	BXI	—
				?	-07	+03	1	0	1	0	0	0	0	1	AXX	small
3455	1998 / 06 / 18	2135	214.57	8249	-27	-38	1	1	0	0	0	0	1	0	HSX	—
				8243	+18	-02	5	1	4	1	1	4	0	0	CHI	—
				8244	+35	+34	4	1	3	1	1	3	0	0	CSI	—
				8242	-22	+21	1	0	1	0	0	0	0	1	AXX	—
3456	1998 / 06 / 19	2155	201.16	8249	-27	-24	1	1	0	0	0	0	1	0	HSX	—
				8243	+18	+13	13	1	11	1	2	11	0	0	CKI	—
				8251	+17	+22	4	0	4	1	0	4	0	0	BXI	—
				8242	-22	+36	1	0	1	0	0	0	0	1	AXX	—
				8244	+35	+47	2	0	2	1	0	2	0	0	BXO	—
3457	1998 / 06 / 20	2200	187.87	8249	-27	-13	4	1	3	1	1	3	0	0	CSI	—
				8243	+18	+26	18	3	9	1	9	9	0	0	DHC	—
				8251	+16	+38	2	1	1	1	1	1	0	0	CSO	—



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR JUNE 1998 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks
3458	1998 / 06 / 23	2140	148.35	8253	+18	-68	4	1	1	1	3	1	0	0	CAO	—
				?	+15	+20	2	0	2	1	0	2	0	0	BXO	small
				8249	-27	+28	1	1	0	0	0	0	1	0	HSX	—
				8243	+17	+65	2	1	1	1	1	1	0	0	CSO	—
3459	1998 / 06 / 26	2215	108.32	8258	-14	-66	1	1	0	0	0	0	1	0	HSX	—
				8256	-25	-60	1	1	0	0	0	0	1	0	HSX	—
				8255	-22	-40	4	1	3	1	1	3	0	0	CSI	—
				8253	+18	-27	15	2	11	1	4	11	0	0	DSI	—
				8257	+30	+18	1	0	1	0	0	0	0	1	AXX	—
				8249	-28	+67	1	1	0	0	0	0	1	0	HSX	—
3460	1998 / 06 / 28	2155	82.03	8260	-23	-64	5	1	2	1	3	2	0	0	CAI	—
				?	-27	-63	2	1	0	1	2	0	0	0	HAX	—
				8259	+26	-63	2	1	1	1	1	1	0	0	CSO	—
				8258	-15	-41	1	1	0	0	0	0	1	0	HSX	—
				8256	-25	-34	3	1	2	1	1	2	0	0	CSO	class correct
				8255	-22	-14	3	1	1	1	2	1	0	0	CAO	—
				8253	+18	-01	14	3	8	1	6	8	0	0	DAC	—
				8257	+29	+44	2	0	2	1	0	2	0	0	BXO	—



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR JULY 1998

All observations carried out by HOWARD BARNES .

Telescope : 76 mm refractor (f . l . 910 mm) .

Observed by PROJECTION . Full disc diameter = 145 mm approx .

CM is stated in degrees .

Region Numbers are NOAA/SEC Numbers .

B = Heliographic Latitude (+ if NORTH , - if SOUTH) .

CMD = Degrees of Longitude in respect to the Central Meridian (- if EAST , + if WEST) .

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3461	1998 / 07 / 02	2140	29.22	8264	+16	-53	2	1	0	1	2	0	0	0	HAX	—	
				8263	-21	-41	1	1	0	0	0	0	0	1	0	HHX	—
				8259	+27	-15	3	1	2	1	1	2	0	0	0	CSI	compact
				8260	-24	-12	4	2	1	1	3	1	0	0	0	DAI	—
				8258	-14	+14	2	1	1	1	1	1	1	0	0	CSO	—
				8256	-25	+19	3	1	1	1	2	1	0	0	0	CAO	—
				8255	-22	+42	2	1	0	1	2	0	0	0	0	HAX	—
				8253	+17	+52	1	1	0	0	0	0	0	1	0	HSX	—
3462	1998 / 07 / 03	2215	15.66	8264	+16	-43	6	1	4	1	2	4	0	0	CAI	—	
				8263	-21	-28	1	1	0	0	0	0	1	0	0	HHX	—
				8259	+27	-04	4	0	4	1	0	4	0	0	0	BXI	—
				8260	-24	-01	9	2	7	1	2	7	0	0	0	DSI	—
				8258	-14	+27	2	1	1	1	1	1	1	0	0	CSO	—
				8256	-24	+32	15	3	5	1	10	5	0	0	0	DAC	—
				8255	-22	+55	1	1	0	0	0	0	1	0	0	HSX	—
				8253	+17	+72	2	1	1	1	1	1	1	0	0	CSO	—
3463	1998 / 07 / 05	2215	349.19	8265	+20	-46	1	0	1	0	0	0	0	1	AXX	—	
				8264	+16	-16	7	1	5	1	2	5	0	0	0	CAI	—
				8263	-21	-02	2	1	0	1	2	0	0	0	0	HHX	—
				8259	+26	+23	1	0	1	0	0	0	0	1	0	AXX	—
				8260	-24	+25	8	1	2	1	6	2	0	0	0	CAI	—
				8258	-14	+54	1	1	0	0	0	0	1	0	0	HSX	small
				8256	-24	+59	5	1	4	1	1	4	0	0	0	CSI	—
3464	1998 / 07 / 06	2150	336.19	8266	+23	-61	1	0	1	0	0	0	0	1	AXX	—	
				8267	+32	-48	1	0	1	0	0	0	0	1	0	AXX	—
				8264	+16	-01	6	1	3	1	3	3	0	0	0	CAI	—
				8263	-21	+10	1	1	0	0	0	0	1	0	0	HHX	—
				8260	-23	+38	2	0	2	1	0	2	0	0	0	BXO	—
				8258	-14	+67	1	0	1	0	0	0	0	1	0	AXX	—



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR JULY 1998 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks
3465	1998 / 07 / 11	2115	270.34	8271	-10	-65	1	0	1	0	0	0	0	1	AXX	—
				8269	+17	-59	1	1	0	0	0	0	1	0	HSX	—
				8270	-20	-55	8	1	7	1	1	7	0	0	CSI	—
				8264	+16	+68	1	1	0	0	0	0	1	0	HSX	—
				8263	-21	+73	1	1	0	0	0	0	1	0	HSX	—
3466	1998 / 07 / 14	2220	230.04	8269	+17	-18	3	1	2	1	1	2	0	0	CSI	—
				8271	-10	-17	1	0	1	0	0	0	0	1	AXX	—
				8270	-20	-16	12	1	9	1	3	9	0	0	CAI	—
3467	1998 / 07 / 17	2140	190.71	8274	-20	+04	8	2	4	1	4	4	0	0	DAI	—
				8273	-28	+05	4	1	2	1	2	2	0	0	CAI	—
				8270	-21	+23	3	1	2	1	1	2	0	0	CSI	—
3468	1998 / 07 / 27	2045	58.91	8283	+26	-70	1	1	0	0	0	0	1	0	HSX	—
				8286	+18	-56	1	0	1	0	0	0	0	1	AXX	—
				8282	+31	-07	12	2	3	1	9	3	0	0	DKI	—
				8280	-24	-05	9	3	4	1	5	4	0	0	DHC	—
				8284	+26	+21	3	0	3	1	0	3	0	0	BXI	—
8279	+22	+47	2	0	2	1	0	2	0	0	BXO	—				
3469	1998 / 07 / 28	2220	44.82	8283	+26	-56	1	1	0	0	0	0	1	0	HSX	—
				8282	+31	+07	13	3	6	1	7	6	0	0	DKC	—
				8280	-24	+10	7	1	6	1	1	6	0	0	CHI	—
				8281	+17	+15	2	0	2	1	0	2	0	0	BXO	—
				8284	+26	+35	8	1	5	1	3	5	0	0	CAI	—
8286	+17	+37	1	0	1	0	0	0	0	0	1	AXX	—			



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR AUGUST 1998

All observations carried out by HOWARD BARNES .

Telescope : 76 mm refractor (f . l . 910 mm) .

Observed by PROJECTION . Full disc diameter = 145 mm approx .

CM is stated in degrees .

Region Numbers are NOAA/SEC Numbers .

B = Heliographic Latitude (+ if NORTH , - if SOUTH) .

CMD = Degrees of Longitude in respect to the Central Meridian (- if EAST, + if WEST).

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3470	1998 / 08 / 02	2125	339.19	8293	-20	-71	2	1	1	1	1	1	0	0	CSO	—	
				8290	+16	-38	1	0	1	0	0	0	0	0	1	AXX	—
				8288	-27	-24	1	0	1	0	0	0	0	0	1	AXX	—
				8294	+18	-18	3	0	3	1	0	3	0	0	0	BXI	—
				8283	+26	+07	3	1	2	1	1	2	0	0	0	CSO	—
				8286	+17	+23	4	0	4	1	0	4	0	0	0	BXI	—
				8282	+31	+71	5	1	3	1	2	3	0	0	0	CHI	—
				8280	-24	+78	1	1	0	0	0	0	0	1	0	HHX	—
3471	1998 / 08 / 03	2110	326.10	8293	-20	-62	10	3	3	1	7	3	0	0	DSC	—	
				8294	+17	-03	4	0	4	1	0	4	0	0	BXI	—	
				8295	+12	-02	6	0	6	1	0	6	0	0	BXI	—	
				8283	+26	+19	1	1	0	0	0	0	1	0	HSX	—	
				8286	+17	+34	2	0	2	1	0	2	0	0	BXO	—	
				8282	+31	+81	1	1	0	0	0	0	1	0	HSX	—	
3472	1998 / 08 / 04	2130	312.70	8293	-21	-51	16	4	7	1	9	7	0	0	EAC	—	
				8294	+17	+10	2	0	2	1	0	2	0	0	BXO	—	
				8295	+13	+11	8	1	6	1	2	6	0	0	CAI	—	
				8283	+26	+32	3	1	2	1	1	2	0	0	CSO	—	
3473	1998 / 08 / 05	2120	299.56	8297	+30	-85	1	1	0	0	0	0	1	0	HHX	—	
				8296	+17	-73	1	0	1	0	0	0	0	1	AXX	—	
				8293	-22	-40	27	5	6	1	21	6	0	0	EAC	—	
				8295	+13	+24	3	1	2	1	1	2	0	0	CSO	—	
				8283	+26	+44	6	2	3	1	3	3	0	0	DAI	—	



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR AUGUST 1998 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3474	1998 / 08 / 07	2115	273.16	8299	+16	-77	1	1	0	0	0	0	1	0	HSX	—	
				8297	+30	-60	4	1	2	1	2	2	0	0	CHI	—	
				8296	+17	-46	1	0	1	0	0	0	0	0	1	AXX	—
				8298	+18	-18	2	0	2	1	0	2	0	0	0	BXO	—
				8293	-22	-12	29	8	6	1	23	6	0	0	0	FAC	—
				8295	+13	+51	2	0	2	1	0	2	0	0	0	BXO	—
				8283	+27	+68	3	1	1	1	2	1	0	0	0	CAO	—
3475	1998 / 08 / 11	2050	220.50	8301	-21	-51	3	2	0	1	3	0	0	0	ESO	—	
				8299	+16	-30	12	1	8	1	4	8	0	0	0	CKI	—
				?	+26	-28	1	0	1	0	0	0	0	0	1	AXX	—
				8297	+29	-14	10	2	6	1	4	6	0	0	0	CKI	compact
				8300	-28	+26	1	0	1	0	0	0	0	0	1	AXX	—
				8298	+19	+35	11	2	7	1	4	7	0	0	0	DAI	—
				8293	-22	+40	25	7	9	1	16	9	0	0	0	FAC	—
3476	1998 / 08 / 12	2140	206.83	8301	-21	-37	2	2	0	1	2	0	0	0	ESO	—	
				8302	-14	-34	2	0	2	1	0	2	0	0	0	BXO	—
				8299	+16	-16	12	2	7	1	5	7	0	0	0	CKI	—
				8297	+29	-02	9	2	4	1	5	4	0	0	0	CKI	—
				8296	+17	+20	3	0	3	1	0	3	0	0	0	BXI	—
				8298	+19	+49	4	1	3	1	1	3	0	0	0	CSI	—
				8293	-22	+54	14	5	8	1	6	8	0	0	0	FAC	—
3477	1998 / 08 / 13	2100	193.97	8301	-21	-24	2	2	0	1	2	0	0	0	EAO	—	
				?	-10	-07	1	0	1	0	0	0	0	0	1	AXX	—
				8299	+16	-03	14	2	3	1	11	3	0	0	0	CKI	compact
				8297	+31	+12	11	2	6	1	5	6	0	0	0	CKI	—
				8298	+18	+62	2	0	2	1	0	2	0	0	0	BXO	—
				8293	-22	+67	6	3	2	1	4	2	0	0	0	FAC	—
3478	1998 / 08 / 15	2305	166.38	8304	-30	-66	1	1	0	0	0	0	1	0	HSX	—	
				8301	-21	+03	5	2	3	1	2	3	0	0	0	ESI	—
				8299	+16	+25	13	2	3	1	10	3	0	0	0	DKI	—
				8297	+31	+40	8	2	4	1	4	4	0	0	0	DSI	compact



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR AUGUST 1998 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grp	grf	efp	ef	Class.	Remarks	
3479	1998/08/19	2055	114.72	8307	+31	-75	8	2	2	1	6	2	0	0	DKI	—	
				8308	-21	-62	1	1	0	0	0	0	0	1	0	HSX	—
				8306	+27	-33	1	1	0	0	0	0	0	1	0	HSX	—
				8309	+17	-31	2	1	1	1	1	1	1	0	0	CSO	small
				8304	-30	-18	3	1	2	1	1	2	0	0	0	CSI	—
				8303	+20	+11	2	0	2	1	0	2	0	0	0	BXO	—
				8301	-21	+54	3	1	2	1	1	2	0	0	0	CSI	—
				8299	+16	+76	3	2	0	1	3	0	0	0	0	DAO	—
3480	1998/08/20	2050	101.54	8310	+23	-70	1	0	1	0	0	0	0	1	AXX	—	
				8307	+31	-62	10	3	2	1	8	2	0	0	0	DKC	—
				8308	-21	-49	2	1	0	1	2	0	0	0	0	HAX	—
				8306	+28	-20	4	1	2	1	2	2	0	0	0	CAI	—
				8309	+17	-18	5	2	2	1	3	2	0	0	0	DAI	—
				8304	-28	-05	3	1	2	1	1	2	0	0	0	CSI	—
				8301	-21	+69	1	1	0	0	0	0	0	1	0	HSX	—
3481	1998/08/21	2205	87.64	8310	+23	-57	1	1	0	0	0	0	1	0	HSX	small	
				8307	+31	-48	16	3	4	1	12	4	0	0	0	DKC	—
				8308	-21	-35	1	1	0	0	0	0	0	1	0	HSX	—
				8306	+28	-06	1	0	1	0	0	0	0	0	1	AXX	—
				8309	+17	-04	7	3	2	1	5	2	0	0	0	DAC	—
				8304	-28	+09	2	1	1	1	1	1	0	0	0	CSO	—
3482	1998/08/27	2205	8.36	8321	+32	-76	1	0	1	0	0	0	0	1	AXX	—	
				?	-20	-28	1	0	1	0	0	0	0	0	1	AXX	—
				8319	+19	+02	18	5	7	1	11	7	0	0	0	DAC	circular
				8307	+31	+27	9	4	2	1	7	2	0	0	0	DSC	—
				8308	-22	+45	1	1	0	0	0	0	0	1	0	HSX	—
?	+15	+54	1	0	1	0	0	0	0	0	1	AXX	—				
3483	1998/08/28	2130	355.48	8323	-22	-83	1	1	0	0	0	0	1	0	HHX	—	
				8321	+32	-63	1	0	1	0	0	0	0	0	1	AXX	big
				8322	+21	-03	5	0	5	1	0	5	0	0	0	BXI	—
				8319	+19	+14	22	5	8	1	14	8	0	0	0	DAC	—
				8307	+31	+37	9	2	5	1	4	5	0	0	0	CAI	—
				8308	-22	+58	1	1	0	0	0	0	0	1	0	HSX	—



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR AUGUST 1998 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3484	1998 / 08 / 30	2040	329.51	8323	-22	-57	21	3	4	1	17	4	0	0	EKC	—	
				8321	+32	-39	1	0	1	0	0	0	0	0	1	AXX	—
				8324	+22	+10	1	0	1	0	0	0	0	0	1	AXX	—
				8322	+22	+22	13	3	7	1	6	7	0	0	0	DAC	—
				8319	+19	+39	32	5	8	1	24	8	0	0	0	EKC	—
				8307	+31	+62	4	2	0	1	4	0	0	0	0	CSO	—
3485	1998 / 08 / 31	2030	316.40	8323	-22	-42	29	5	6	1	23	6	0	0	EKC	—	
				8321	+32	-25	1	0	1	0	0	0	0	0	1	AXX	—
				8322	+22	+36	9	2	3	1	6	3	0	0	0	DAI	—
				8319	+19	+52	21	3	7	1	14	7	0	0	0	EKC	—
				8307	+30	+76	3	2	1	1	2	1	0	0	0	CSI	compact



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR SEPTEMBER 1998

All observations carried out by HOWARD BARNES .

Telescope : 76 mm refractor (f . l . 910 mm) .

Observed by PROJECTION . Full disc diameter = 145 mm approx .

CM is stated in degrees .

Region Numbers are NOAA/SEC Numbers .

B = Heliographic Latitude (+ if NORTH , - if SOUTH) .

CMD = Degrees of Longitude in respect to the Central Meridian (- if EAST , + if WEST) .

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks		
3486	1998 / 09 / 02	2030	289.98	8323	-22	-17	35	3	6	1	29	6	0	0	FKC	—		
				8321	+31	-01	2	0	2	1	0	2	0	0	AXX	very tight		
				8322	+22	+63	3	1	1	1	2	1	0	0	CAO	—		
				8319	+19	+79	6	2	2	1	4	2	0	0	DAI	—		
3487	1998 / 09 / 03	2030	276.77	8327	+30	-81	1	1	0	0	0	0	1	0	HSX	—		
				8326	+20	-77	1	1	0	0	0	0	0	1	0	HSX	—	
				?	+24	-70	2	1	1	1	1	1	0	0	0	CSO	—	
				?	+08	-25	1	0	1	0	0	0	0	0	1	AXX	—	
				8323	-22	-05	36	3	8	1	28	8	0	0	0	FKC	—	
				?	-11	+22	1	0	1	0	0	0	0	0	1	AXX	—	
				8322	+22	+76	2	1	1	1	1	1	1	0	0	0	CSO	—
3488	1998 / 09 / 04	2140	262.91	8328	-17	-73	1	0	1	0	0	0	0	1	AXX	big		
				8326	+20	-63	2	1	1	1	1	1	0	0	0	CSO	—	
				8327	+29	-67	1	0	1	0	0	0	0	0	1	AXX	big	
				?	+24	-55	1	1	0	0	0	0	0	1	0	HSX	—	
				8323	-22	+09	41	4	7	1	34	7	0	0	0	EKC	—	
3489	1998 / 09 / 06	2210	236.23	8331	+25	-74	1	1	0	0	0	0	1	0	HSX	—		
				8330	-20	-68	2	0	2	1	0	2	0	0	0	BXO	—	
				8328	-17	-46	3	1	2	1	1	2	0	0	0	CSI	—	
				8329	+15	-39	7	2	5	1	2	5	0	0	0	DSI	—	
				8326	+21	-39	8	1	6	1	2	6	0	0	0	CAI	—	
				8327	+30	-40	1	0	1	0	0	0	0	0	1	AXX	—	
				8323	-22	+36	30	2	7	1	23	7	0	0	0	EKI	—	
3490	1998 / 09 / 07	2105	223.62	8331	+25	-66	1	1	0	0	0	0	1	0	HSX	—		
				8330	-20	-58	2	1	1	1	1	1	0	0	0	CSO	—	
				8328	-17	-35	7	1	4	1	3	4	0	0	0	CAI	—	
				8327	+30	-29	1	0	1	0	0	0	0	0	1	AXX	—	
				8326	+21	-28	12	2	5	1	7	5	0	0	0	DAI	—	
				8329	+15	-27	11	4	3	1	8	3	0	0	0	DSC	—	
				8332	-28	-27	2	0	2	1	0	2	0	0	0	0	BXO	—
				8323	-22	+47	24	3	7	1	17	7	0	0	0	0	FKC	—



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR SEPTEMBER 1998 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks
3491	1998 / 09 / 08	2155	209.95	8331	+25	-52	8	2	3	1	5	3	0	0	DAI	—
				8330	-21	-45	2	1	1	1	1	1	0	0	CSO	—
				8328	-17	-21	7	1	4	1	3	4	0	0	CAI	—
				8327	+29	-15	1	0	1	0	0	0	0	1	AXX	—
				8326	+22	-14	7	1	5	1	2	5	0	0	CAI	—
				8329	+15	-13	16	4	8	1	8	8	0	0	DAC	—
				8323	-22	+61	17	4	6	1	11	6	0	0	FKC	—
3492	1998 / 09 / 09	2150	196.79	8331	+25	-39	12	3	5	1	7	5	0	0	DAC	—
				8330	-21	-32	1	1	0	0	0	0	1	0	HSX	—
				8328	-18	-08	5	1	2	1	3	2	0	0	CAI	—
				8327	+29	-02	1	0	1	0	0	0	0	1	AXX	—
				8326	+22	-01	4	1	3	1	1	3	0	0	CAI	—
				8329	+15	+00	14	3	8	1	6	8	0	0	DAC	—
				8333	+12	+26	3	0	3	1	0	3	0	0	BXO	class correct
3493	1998 / 09 / 10	2105	184.00	8331	+26	-26	15	4	3	1	12	3	0	0	DAC	—
				8330	-22	-26	1	1	0	0	0	0	1	0	HRX	—
				8328	-18	+05	4	1	2	1	2	2	0	0	CAI	—
				8326	+22	+12	2	1	1	1	1	1	0	0	CSO	small
				8329	+14	+15	8	2	4	1	4	4	0	0	DSI	—
				8333	+12	+39	5	1	2	1	3	2	0	0	CAI	—
				3494	1998 / 09 / 11	2100	170.84	8331	+25	-15	13	4	5	1	8	5
8330	-23	-14	1					1	0	0	0	0	1	0	HSX	—
8328	-18	+18	3					1	1	1	2	1	0	0	CAO	—
8329	+14	+29	6					2	2	1	4	2	0	0	DAI	—
8333	+12	+53	11					2	5	1	6	5	0	0	DAI	compact
3495	1998 / 09 / 12	2050	157.73	8335	-22	-69	4	2	0	1	4	0	0	0	DAO	—
				8331	+25	-03	16	4	7	1	9	7	0	0	DAC	—
				8330	-23	-02	2	1	1	1	1	1	0	0	CSO	—
				8328	-18	+30	2	1	1	1	1	1	0	0	CSO	—
				8329	+15	+42	3	2	1	1	2	1	0	0	DSI	—
				8334	-25	+46	3	2	0	1	3	0	0	0	DAO	compact
8333	+11	+67	4	2	1	1	3	1	0	0	DAI	compact				



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR SEPTEMBER 1998 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grp	grf	efp	ef	Class.	Remarks
3496	1998/09/13	2045	144.57	8335	-22	-57	3	2	0	1	3	0	0	0	DAO	—
				8331	+25	+09	21	3	12	1	9	12	0	0	DAC	—
				8330	-23	+11	2	1	1	1	1	1	0	0	CSO	—
				8328	-18	+44	3	1	2	1	1	2	0	0	CSI	—
				8329	+14	+56	4	2	2	1	2	2	0	0	DSI	—
				8334	+24	+59	2	0	2	1	0	2	0	0	BXO	—
				8333	+11	+80	1	1	0	0	0	0	1	0	HSX	—
3497	1998/09/16	2055	104.88	8338	+31	-83	1	1	0	0	0	0	1	0	HSX	—
				8336	-29	-53	1	1	0	0	0	0	1	0	HSX	—
				8337	-40	-45	1	0	1	0	0	0	0	1	AXX	—
				8335	-22	-16	5	2	1	1	4	1	0	0	DAI	—
				8331	+26	+45	2	0	2	1	0	2	0	0	BXO	—
				8330	+24	+51	1	0	1	0	0	0	0	1	AXX	—
3498	1998/09/18	2125	78.20	8340	+21	-65	7	1	5	1	2	5	0	0	CHI	—
				8338	+32	-57	1	1	0	0	0	0	1	0	HSX	—
				8336	-28	-26	2	1	1	1	1	1	0	0	CSO	—
				8337	-40	-17	4	1	3	1	1	3	0	0	CSI	—
				?	+20	+01	1	0	1	0	0	0	0	1	AXX	—
				8335	-22	+11	4	2	0	1	4	0	0	0	DAO	—
				8331	+24	+74	1	0	1	0	0	0	0	1	AXX	—
3499	1998/09/21	2100	38.83	8343	+37	-40	4	0	4	1	0	4	0	0	BXI	—
				8344	-20	-38	1	0	1	0	0	0	0	1	AXX	big
				8340	+20	-26	27	4	16	1	11	16	0	0	EAC	—
				8338	+32	-19	2	1	1	1	1	1	0	0	CSO	—
				8336	-30	+12	14	1	11	1	3	11	0	0	CSI	—
				8339	-16	+13	6	1	5	1	1	5	0	0	CSI	—
				8335	-21	+50	1	1	0	0	0	0	1	0	HSX	—
3500	1998/09/30	2115	279.91	?	-21	-17	1	0	1	0	0	0	0	1	AXX	—
				8346	-28	+41	4	0	4	1	0	4	0	0	BXI	—



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR OCTOBER 1998

All observations carried out by HOWARD BARNES .

Telescope : 76 mm refractor (f . l . 910 mm) .

Observed by PROJECTION . Full disc diameter = 145 mm approx .

CM is stated in degrees .

Region Numbers are NOAA/SEC Numbers .

B = Heliographic Latitude (+ if NORTH , - if SOUTH) .

CMD = Degrees of Longitude in respect to the Central Meridian (- if EAST , + if WEST) .

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3501	1998 / 10 / 01	2100	266.85	8350	+20	-81	1	1	0	0	0	0	1	0	HSX	—	
				8346	-28	+53	1	0	1	0	0	0	0	0	1	AXX	—
3502	1998 / 10 / 04	2020	227.64	8350	+19	-43	9	2	4	1	5	4	0	0	DAI	—	
3503	1998 / 10 / 06	2020	201.25	8353	+20	-70	1	0	1	0	0	0	0	1	AXX	—	
				8350	+19	-17	18	4	6	1	12	6	0	0	DAI	—	
				8354	-18	-16	3	0	3	1	0	3	0	0	BXI	—	
				8349	-25	+34	2	0	2	1	0	2	0	0	BXO	—	
3504	1998 / 10 / 07	2125	187.46	8355	-22	-66	6	3	1	1	5	1	0	0	DAC	small	
				8353	+20	-56	2	0	2	1	0	2	0	0	BXO	—	
				8350	+19	-03	21	3	14	1	7	14	0	0	CAI	—	
				8354	-18	-02	5	1	3	1	2	3	0	0	CAI	—	
				8348	+17	+54	1	0	1	0	0	0	0	0	1	AXX	—
3505	1998 / 10 / 13	2010	108.99	8360	-19	-05	2	0	2	1	0	2	0	0	BXO	—	
				8358	+15	-04	9	2	5	1	4	5	0	0	DAI	—	
				8355	-21	+13	7	3	2	1	5	2	0	0	DAI	—	
				8359	+22	+43	2	0	2	1	0	2	0	0	BXO	—	
				8350	+19	+78	1	1	0	0	0	0	0	1	0	HSX	—
3506	1998 / 10 / 16	2000	69.51	8362	+19	-63	1	1	0	0	0	0	1	0	HSX	—	
				8364	+18	-40	1	0	1	0	0	0	0	0	1	AXX	—
				8363	+25	-35	8	1	6	1	2	6	0	0	CAI	—	
				8361	+14	+20	6	2	4	1	2	4	0	0	DSI	—	
				8360	-19	+35	16	2	8	1	8	8	0	0	DAI	—	
				8358	+15	+36	8	2	3	1	5	3	0	0	DAI	—	
3507	1998 / 10 / 17	2110	55.68	8362	+19	-49	1	1	0	0	0	0	1	0	HSX	—	
				8364	+18	-27	3	1	1	1	2	1	0	0	CAO	—	
				8363	+25	-21	9	2	3	1	6	3	0	0	DAI	—	
				8361	+14	+35	7	1	4	1	3	4	0	0	CAI	—	
				8360	+19	+49	8	3	2	1	6	2	0	0	DAI	class correct	
				8358	+15	+51	14	4	7	1	7	7	0	0	DAC	—	



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR OCTOBER 1998 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks
3508	1998 / 10 / 21	2000	3.56	?	-20	-09	1	0	1	0	0	0	0	1	AXX	small
				8367	+17	-03	11	3	4	1	7	4	0	0	DSC	—
				8365	-27	+30	15	4	5	1	10	5	0	0	DAC	—
				8363	+25	+32	1	0	1	0	0	0	0	1	AXX	—
3509	1998 / 10 / 23	2000	337.19	8366?	-16	+28	4	0	4	1	0	4	0	0	BXI	—
				8367	+17	+24	6	1	4	1	2	4	0	0	CAO	—
				8365	-27	+57	7	2	4	1	3	4	0	0	ESI	—
3510	1998 / 10 / 24	1940	324.18	?	+14	-23	1	0	1	0	0	0	0	1	AXX	small
				8368	+25	+21	1	0	1	0	0	0	0	1	AXX	—
				8367	+17	+38	1	0	1	0	0	0	0	1	AXX	—
				8366	-12	+41	2	1	1	1	1	1	0	0	CSO	—
				8365	-26	+70	5	2	2	1	3	2	0	0	EAI	—
3511	1998 / 10 / 25	1950	310.90	8369	+17	-61	4	1	3	1	1	3	0	0	CSI	—
				8366	-11	+52	1	0	1	0	0	0	0	1	AXX	—
3512	1998 / 10 / 29	2020	257.88	8375	+18	-75	4	1	2	1	2	2	0	0	CHI	—
				8374	-19	-69	1	0	1	0	0	0	0	1	AXX	big
				8373	-25	-59	2	0	2	1	0	2	0	0	BXO	—
				8371	-21	-24	1	0	1	0	0	0	0	1	AXX	—
				8372	+21	-20	2	0	2	1	0	2	0	0	BXO	—
8369	+18	-08	1	1	0	0	0	0	0	1	0	HSX	—			
3513	1998 / 10 / 31	2205	230.54	8375	+17	-48	6	1	3	1	3	3	0	0	CKI	—
				8374	-18	-42	1	1	0	0	0	0	1	0	HRX	—
				8369	+18	+22	2	1	1	1	1	1	0	0	CSO	—



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR NOVEMBER 1998

All observations carried out by HOWARD BARNES .

Telescope : 76 mm refractor (f . l . 910 mm) .

Observed by PROJECTION . Full disc diameter = 145 mm approx .

CM is stated in degrees .

Region Numbers are NOAA/SEC Numbers .

B = Heliographic Latitude (+ if NORTH , - if SOUTH) .

CMD = Degrees of Longitude in respect to the Central Meridian (- if EAST , + if WEST) .

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks
3514	1998 / 11 / 01	1945	218.64	8375	+17	-35	5	2	2	1	3	2	0	0	CHI	class correct
				8372	+21	+20	2	0	2	1	0	2	0	0	BXO	very small
				8369	+18	+34	1	0	1	0	0	0	0	1	AXX	big
3515	1998 / 11 / 05	1940	165.94	8380	-21	-54	1	0	1	0	0	0	0	1	AXX	—
				8378	+14	-53	1	1	0	0	0	0	1	0	HSX	—
				8377	+22	-39	2	1	0	1	2	0	0	0	HAX	—
				8381	+22	-19	2	0	2	1	0	2	0	0	BXO	—
				8375	+18	+18	28	4	16	1	12	16	0	0	DAC	—
				8373	-22	+29	4	0	4	1	0	4	0	0	BXI	—
3516	1998 / 11 / 08	2030	125.92	8383	-14	-79	1	0	1	0	0	0	0	1	AXX	big
				8378	+15	-13	1	1	0	0	0	0	1	0	HSX	—
				8377	+22	-02	7	1	5	1	2	5	0	0	CAI	—
				8381	+22	+21	1	0	1	0	0	0	0	1	AXX	—
				8375	+18	+59	23	5	7	1	16	7	0	0	DKC	—
				8379	-18	+77	1	0	1	0	0	0	0	1	AXX	—
3517	1998 / 11 / 09	1945	113.15	8384	-27	-80	1	1	0	0	0	0	1	0	HHX	—
				8383	-15	-65	3	1	1	1	2	1	0	0	CAO	—
				8378	+15	-00	1	1	0	0	0	0	1	0	HSX	—
				8377	+22	+11	5	1	3	1	2	3	0	0	CAI	—
				8375	+20	+72	25	4	8	1	17	8	0	0	EKC	—
3518	1998 / 11 / 10	2030	99.55	8384	-27	-68	3	1	0	1	3	0	0	0	HKX	—
				8383	-15	-54	4	2	1	1	3	1	0	0	CAO	class correct
				8378	+15	+11	2	1	1	1	1	1	0	0	CHO	—
				8377	+22	+25	5	1	3	1	2	3	0	0	CAI	—
				8375	+21	+83	2	2	0	1	2	0	0	0	DHO	—



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR NOVEMBER 1998 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3519	1998 / 11 / 11	1950	86.74	8384	-27	-55	6	1	2	1	4	2	0	0	CKI	—	
				8383	-15	-43	7	1	3	1	4	3	0	0	CAI	—	
				8389?	-17	-08	1	0	1	0	0	0	0	0	1	AXX	very small
				8378	+14	+26	3	1	1	1	2	1	0	0	0	CAO	—
				8385	+20	+27	3	0	3	1	0	3	0	0	0	BXI	—
				8377	+22	+38	3	1	1	1	2	1	0	0	0	CAO	—
3520	1998 / 11 / 13	2030	60.00	8387	+22	-61	1	0	1	0	0	0	0	1	AXX	—	
				8386	-20	-60	1	0	1	0	0	0	0	0	1	AXX	—
				8384	-27	-29	10	2	4	1	6	4	0	0	0	DKI	—
				8383	-15	-17	7	2	4	1	3	4	0	0	0	DSI	—
				8378	+14	+53	1	1	0	0	0	0	1	0	0	HSX	—
				8385	+20	+54	8	2	4	1	4	4	0	0	0	DAI	—
				8377	+22	+65	1	1	0	0	0	0	1	0	0	HSX	—
3521	1998 / 11 / 14	1930	47.37	8386	-20	-47	1	0	1	0	0	0	0	1	AXX	—	
				8387	+21	-47	3	0	3	1	0	3	0	0	0	BXI	—
				8384	-28	-17	12	3	5	1	7	5	0	0	0	DKC	—
				8383	-15	-05	7	2	3	1	4	3	0	0	0	DAI	—
				8378	+15	+65	1	1	0	0	0	0	1	0	0	HSX	—
				8385	+20	+65	6	2	2	1	4	2	0	0	0	DAI	—
3522	1998 / 11 / 15	2100	33.37	8387	+21	-33	1	0	1	0	0	0	0	1	AXX	—	
				8386	-20	-33	1	0	1	0	0	0	0	0	1	AXX	—
				?	+23	-24	1	0	1	0	0	0	0	0	1	AXX	—
				8384	-28	-04	11	3	5	1	6	5	0	0	0	DKC	—
				8383	-15	+09	8	1	6	1	2	6	0	0	0	CAI	—
				8385	+21	+79	1	1	0	0	0	0	1	0	0	HSX	—
				8378	+15	+80	1	1	0	0	0	0	1	0	0	HSX	—
3523	1998 / 11 / 19	1910	341.64	8391	-17	-50	6	0	6	1	0	6	0	0	BXI	—	
				8384	-28	+47	7	2	1	1	6	1	0	0	0	DKI	—
				8383	-15	+62	1	0	1	0	0	0	0	0	1	AXX	small
3524	1998 / 11 / 23	2055	287.96	8393	-19	-75	3	2	1	1	2	1	0	0	DSI	—	
				8392	-23	-49	3	1	2	1	1	2	0	0	0	CSI	—
				?	+26	-31	1	0	1	0	0	0	0	0	1	AXX	—
				8391	-15	+06	5	1	2	1	3	2	0	0	0	CAI	—
				8394	-16	+34	2	0	2	1	0	2	0	0	0	BXO	—



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR NOVEMBER 1998 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grp	grf	efp	ef	Class.	Remarks
3525	1998 / 11 / 24	2120	274.55	8395	+17	-78	2	1	1	1	1	1	0	0	CSO	—
				8393	-19	-66	8	3	5	1	3	5	0	0	DSC	—
				8392	-24	-36	3	1	2	1	1	2	0	0	CSI	—
				8391	-15	+21	5	1	2	1	3	2	0	0	CAI	—
				8394	-16	+48	4	1	2	1	2	2	0	0	CAI	—
3526	1998 / 11 / 25	2005	262.05	8395	+17	-66	8	4	1	1	4	4	0	0	DSC	—
				?	+12	-55	1	1	0	0	0	0	1	0	HSX	—
				8393	-19	-53	13	4	4	1	9	4	0	0	EHC	—
				8392	-24	-23	5	1	4	1	1	4	0	0	CSI	—
				8391	-15	+35	4	1	1	1	3	1	0	0	CAO	—
				8394	-15	+62	3	1	2	1	1	2	0	0	CSI	—



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR DECEMBER 1998

All observations carried out by HOWARD BARNES .

Telescope : 76 mm refractor (f . l . 910 mm) .

Observed by PROJECTION . Full disc diameter = 145 mm approx .

CM is stated in degrees .

Region Numbers are NOAA/SEC Numbers .

B = Heliographic Latitude (+ if NORTH , - if SOUTH) .

CMD = Degrees of Longitude in respect to the Central Meridian (- if EAST , + if WEST) .

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3527	1998 / 12 / 01	2015	182.89	8403	+21	-78	2	1	1	1	1	1	0	0	CSO	small	
				8402	+17	-67	3	2	1	1	2	1	0	0	DSI	—	
				8397	+15	-47	8	2	5	1	3	5	0	0	DAI	—	
				8401	+12	-16	1	0	1	0	0	0	0	0	1	AXX	—
				8395	+21	+00	26	8	16	1	10	16	0	0	FAC	—	
				8393	-18	+31	4	1	3	1	1	3	0	0	CAI	—	
3528	1998 / 12 / 03	2020	156.48	8403	+20	-53	1	1	0	0	0	0	1	0	HSX	—	
				?	+21	-42	1	0	1	0	0	0	0	0	1	AXX	—
				8402	+18	-40	7	2	3	1	4	3	0	0	DKI	—	
				8397	+15	-21	4	1	3	1	1	3	0	0	CHI	—	
				8401	+12	+11	3	1	2	1	1	2	0	0	CSI	small	
				8395	+19	+25	12	2	9	1	3	9	0	0	FAI	—	
				8393	-16	+58	2	1	0	1	2	0	0	0	HAX	—	
?	+14	+65	1	0	1	0	0	0	0	0	1	AXX	—				
3529	1998 / 12 / 05	2015	130.17	8405	-15	-80	2	0	2	1	0	2	0	0	BXO	—	
				8407?	-14	-50	1	0	1	0	0	0	0	0	1	AXX	—
				8404	-22	-17	1	0	1	0	0	0	0	0	1	AXX	—
				8403	+20	-28	2	1	1	1	1	1	0	0	CSO	—	
				8402	+17	-13	8	3	2	1	6	2	0	0	DAC	—	
				8397	+15	+07	5	1	2	1	3	2	0	0	CAI	—	
				8395	+19	+49	4	2	0	1	4	0	0	0	FAO	—	
3530	1998 / 12 / 06	1950	117.23	8405	-16	-67	2	1	1	1	1	1	0	0	CSO	—	
				8403	+20	-16	1	1	0	0	0	0	0	1	0	HSX	—
				8404	-22	-03	8	1	7	1	1	7	0	0	CSI	—	
				8402	+17	-00	10	3	3	1	7	3	0	0	DSI	—	
				8397	+16	+21	3	1	0	1	3	0	0	0	HAX	—	
				8395	+20	+62	6	2	3	1	3	3	0	0	FAO	class correct	



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR DECEMBER 1998 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks
3531	1998 / 12 / 08	2000	90.78	8406	-27	-63	5	2	2	1	3	2	0	0	ESI	—
				8405	-15	-37	8	2	5	1	3	5	0	0	DAI	—
				8407	-16	-08	6	2	3	1	3	3	0	0	DAI	—
				8403	+20	+12	1	1	0	0	0	0	1	0	HSX	—
				8404	-23	+23	22	5	6	1	16	6	0	0	DAC	—
				8402	+17	+28	7	3	3	1	4	3	0	0	DAC	—
				8397	+16	+47	3	1	1	1	2	1	0	0	CAO	—
3532	1998 / 12 / 13	2050	24.44	8410	+23	-51	1	1	0	0	0	0	1	0	HSX	—
				8411	-28	-40	3	1	1	1	2	1	0	0	CAO	—
				8409	-29	-03	15	4	8	1	7	8	0	0	EAC	—
				8408	-18	+11	12	3	5	1	7	5	0	0	DAC	—
				8412	-15	+24	3	0	3	1	0	3	0	0	BXI	—
3533	1998 / 12 / 15	2010	358.45	8414	+23	-64	1	0	1	0	0	0	0	1	AXX	small
				8410	+25	-25	1	1	0	0	0	0	1	0	HSX	—
				8411	-28	-16	1	0	1	0	0	0	0	1	AXX	—
				8409	-28	+23	19	4	7	1	12	7	0	0	EAC	—
				8408	-18	+37	7	2	4	1	3	4	0	0	DAI	—
3534	1998 / 12 / 18	2050	318.57	8415	+20	-64	13	4	3	1	10	3	0	0	DAC	—
				8410	+24	+14	4	1	3	1	1	3	0	0	CSI	—
				8409	-27	+61	9	3	3	1	6	3	0	0	DSC	—
				8408	-18	+76	4	1	3	1	1	3	0	0	CSI	—
3535	1998 / 12 / 21	2125	278.73	8416	+19	-60	7	2	3	1	4	3	0	0	DAI	—
				8415	+20	-25	10	2	8	1	2	8	0	0	ESI	—
3536	1998 / 12 / 22	2200	265.24	8416	+19	-46	8	3	5	1	3	5	0	0	DSI	class correct
				8415	+20	-12	2	1	1	1	1	1	0	0	CSO	—
3537	1998 / 12 / 23	2000	253.16	8421	+28	-81	1	1	0	0	0	0	1	0	HSX	—
				8420	+18	-67	1	0	1	0	0	0	0	1	AXX	—
				8416	+19	-34	6	3	3	1	3	3	0	0	DSC	—
				8419	+28	-29	3	0	3	1	0	3	0	0	BXI	—
				8415	+21	-02	3	1	2	1	1	2	0	0	CSI	—



GEORGI DOBROVOLSKI SOLAR OBSERVATORY

REGION CO-ORDINATES AND CLASSIFICATIONS FOR DECEMBER 1998 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grp	grf	efp	ef	Class.	Remarks	
3538	1998 / 12 / 25	2010	226.72	8422	-24	-69	6	3	2	1	4	2	0	0	DAC	compact	
				8421	+28	-55	11	2	5	1	6	5	0	0	DAI	compact	
				8420	+18	-42	1	0	1	0	0	0	0	0	1	AXX	—
				8416	+20	-08	4	1	3	1	1	3	0	0	0	CSI	—
				8419	+28	-03	10	3	4	1	6	4	0	0	0	DAC	—
				8418	-22	+20	1	0	1	0	0	0	0	0	0	1	AXX
3539	1998 / 12 / 28	2205	186.15	8422	-23	-27	8	1	6	1	2	6	0	0	CAI	—	
				8421	+27	-15	35	6	16	1	19	16	0	0	EAC	—	
				8416	+18	+32	1	0	1	0	0	0	0	0	1	AXX	—
				8419	+27	+40	14	5	4	1	10	4	0	0	0	ESC	—
3540	1998 / 12 / 29	2025	173.90	8422	-23	-15	9	1	7	1	2	7	0	0	CAI	—	
				8421	+27	-03	46	7	8	1	38	8	0	0	EKC	—	
				8416	+17	+44	1	1	0	0	0	0	0	1	0	HSX	—
				8419	+27	+51	16	5	6	1	10	6	0	0	0	EAC	—
3541	1998 / 12 / 30	2145	159.99	8422	-23	-01	5	1	3	1	2	3	0	0	CAI	—	
				8421	+26	+11	43	5	7	1	36	7	0	0	EKC	—	
				8416	+18	+60	1	0	1	0	0	0	0	0	1	AXX	—
				8419	+27	+62	6	3	3	1	3	3	0	0	0	DAC	—