



# *Georgi Dobrovolski Solar Observatory*

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## *Sunspot Co-ordinates and Classifications*

# **2001**

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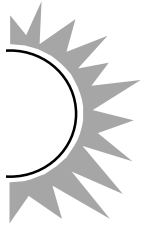


# Georgi Dobrovolski Solar Observatory

## REGION CO-ORDINATES AND CLASSIFICATIONS FOR JANUARY 2001

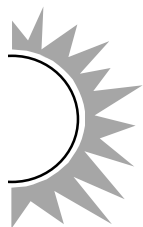
All observations carried out by HOWARD BARNES .  
 Telescope : 76 mm refractor ( f . l . 910 mm ) .  
 Observed by PROJECTION . Full disc diameter = 145 mm approx .  
 CM is stated in degrees .  
 Region Numbers are NOAA/SEC Numbers .  
 B = Heliographic Latitude ( + if NORTH , - if SOUTH ) .  
 CMD = Degrees of Longitude in respect to the Central Meridian ( - if EAST , + if WEST ) .  
 L = Carrington Longitude .

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grp	grf	efp	ef	Class.	Remarks
3857	2001 / 01 / 02	1955	193.2	9296	+10	-77	1	1	0	0	0	0	1	0	HSX	—
				9295	-12	-75	2	1	1	1	1	1	0	0	CSO	—
				9294	+22	-57	1	1	0	0	0	0	1	0	HSX	—
				9293	+13	-28	6	2	3	1	3	3	0	0	DAI	—
				9289	-08	+08	21	4	6	1	15	6	0	0	EKC	—
				9291	-12	+19	7	2	4	1	3	4	0	0	DAI	—
				9290	+27	+46	1	1	0	0	0	0	1	0	HSX	—
				9283	-12	+69	4	1	3	1	1	3	0	0	CSI	—
3858	2001 / 01 / 03	2005	179.9	9296	+08	-61	1	1	0	0	0	0	1	0	HSX	—
				9295	-14	-61	2	1	1	1	1	1	0	0	CSO	—
				9294	+22	-45	4	1	3	1	1	3	0	0	CSI	—
				9293	+13	-15	4	1	3	1	1	3	0	0	CSI	—
				9297	+23	+01	1	0	1	0	0	0	0	1	AXX	—
				9289	-07	+23	24	3	6	1	18	6	0	0	EKC	—
				9291	-12	+32	5	2	3	1	2	3	0	0	DSI	—
				9290	+29	+58	1	0	1	0	0	0	0	1	AXX	—
3859	2001 / 01 / 04	2000	166.8	9302	+19	-79	1	1	0	0	0	0	1	0	HSX	—
				9301	+07	-74	1	0	1	0	0	0	0	1	AXX	big
				9296	+08	-49	3	1	0	1	3	0	0	0	HAX	—
				9295	-13	-47	2	1	0	1	2	0	0	0	HAX	—
				9294	+23	-33	2	1	1	1	1	1	0	0	CSO	—
				9293	+14	+01	1	1	0	0	0	0	1	0	HSX	—
				9292	+25	+02	5	1	3	1	2	3	0	0	CAI	—
				9297	+24	+14	7	2	3	1	4	3	0	0	DAI	—
				9289	-07	+36	21	4	7	1	14	7	0	0	EKC	—
				9291	-12	+48	3	1	2	1	1	2	0	0	CSI	—



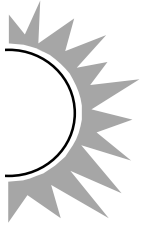
REGION CO-ORDINATES AND CLASSIFICATIONS FOR  
**JANUARY 2001 continued.**

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks		
3860	2001 / 01 / 05	2010	153.5	9302	+19	-68	5	2	1	1	4	1	0	0	DAI	—		
				9301	+07	-63	1	1	0	0	0	0	0	1	0	HSX	—	
				9300	-13	-46	1	0	1	0	0	0	0	0	1	AXX	—	
				9296	+08	-36	2	1	0	1	2	0	0	0	0	HKX	—	
				9295	-14	-32	7	1	4	1	3	4	0	0	0	CAI	—	
				9294	+22	-20	1	1	0	0	0	0	0	1	0	HSX	—	
				9292	+24	+16	1	1	0	0	0	0	0	1	0	HSX	—	
				9303	-04	+31	1	0	1	0	0	0	0	0	1	AXX	—	
				9297	+23	+26	13	3	6	1	7	6	0	0	0	0	DAC	—
				9289	-07	+50	18	3	6	1	12	6	0	0	0	0	EKC	—
9291	-13	+61	2	1	1	1	1	1	0	0	0	0	CSO	—				
3861	2001 / 01 / 06	1955	140.5	9304	+10	-72	1	1	0	0	0	0	1	0	HSX	small		
				?	+25	-60	2	0	2	1	0	2	0	0	0	BXO	—	
				9302	+19	-55	5	2	1	1	4	1	0	0	0	DAI	—	
				9301	+07	-51	3	2	0	1	3	0	0	0	0	DAO	—	
				9300	-13	-35	6	2	2	1	4	2	0	0	0	DAI	—	
				9296	+09	-25	2	1	1	1	1	1	0	0	0	CHO	—	
				9295	-14	-22	7	1	3	1	4	3	0	0	0	CAI	—	
				9294	+22	-09	3	1	2	1	1	2	0	0	0	CSI	—	
				9297	+23	+38	12	3	4	1	8	4	0	0	0	0	DAC	—
				9303	-05	+44	9	2	2	1	7	2	0	0	0	0	DAI	—
				9289	-06	+64	15	2	4	1	11	4	0	0	0	0	EKI	—
9291	-13	+73	1	1	0	0	0	0	0	1	0	0	HSX	—				
3862	2001 / 01 / 07	2025	127.1	9306	+09	-70	1	1	0	0	0	0	1	0	HSX	—		
				9305	-06	-63	1	0	1	0	0	0	0	1	0	AXX	small	
				9304	+12	-57	4	1	3	1	1	3	0	0	0	0	CSI	—
				9302	+20	-41	6	2	3	1	3	3	0	0	0	0	DAI	—
				9301	+08	-36	2	2	0	1	2	0	0	0	0	0	DSO	—
				9300	-14	-20	4	1	3	1	1	3	0	0	0	0	CSI	—
				9296	+08	-10	3	1	0	1	3	0	0	0	0	0	HKX	—
				9295	-13	-07	4	1	2	1	2	2	0	0	0	0	CAI	—
				9294	+22	+08	3	2	0	1	3	0	0	0	0	0	DAO	—
				9297	+23	+53	8	2	5	1	3	5	0	0	0	0	DAI	—
				9303	-05	+60	7	2	3	1	4	3	0	0	0	0	DAI	—
9289	-06	+81	4	2	0	1	4	0	0	0	0	0	EKO	—				



REGION CO-ORDINATES AND CLASSIFICATIONS FOR  
**JANUARY 2001 continued.**

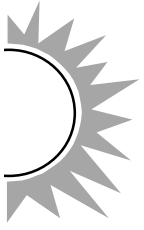
OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grp	grf	efp	ef	Class.	Remarks	
3863	2001 / 01 / 08	2015	114.0	9306	+12	-60	12	4	5	1	7	5	0	0	DAC	compact	
				9304	+12	-46	4	1	3	1	1	3	0	0	CSI	—	
				9302	+18	-27	4	1	1	1	3	1	0	0	DAI	—	
				9301	+08	-24	2	1	1	1	1	1	0	0	CSO	—	
				?	+19	-19	1	0	1	0	0	0	0	1	AXX	—	
				9296	+08	+04	4	1	0	1	4	0	0	0	0	HKX	—
				9295	-13	+06	8	1	5	1	3	5	0	0	0	CAI	—
				9294	+23	+18	4	1	3	1	1	3	0	0	0	CSI	—
				9297	+24	+69	1	1	0	0	0	0	0	1	0	HSX	—
9303	-04	+73	6	2	3	1	3	3	0	0	0	DAI	—				
3864	2001 / 01 / 12	2035	61.1	9308	+14	-26	11	2	5	1	6	5	0	0	DAI	—	
				9306	+12	-06	36	7	10	1	26	10	0	0	FAC	—	
				9304	+11	+14	2	1	0	1	2	0	0	0	HAX	—	
				9302	+19	+26	3	2	1	1	2	1	0	0	CAO	—	
				9301/9	+10	+27	8	4	3	1	5	3	0	0	EAC	—	
				9296	+09	+57	2	1	1	1	1	1	0	0	0	CSO	—
				9295	-12	+58	1	1	0	0	0	0	0	1	0	HSX	—
3865	2001 / 01 / 15	2045	21.5	9312	+07	-75	1	0	1	0	0	0	0	1	AXX	—	
				9311	+04	-55	2	1	1	1	1	1	0	0	0	CSO	—
				9308	+15	+15	19	3	10	1	9	10	0	0	0	DAC	—
				?	-05	+21	1	0	1	0	0	0	0	1	0	AXX	small
				9306	+13	+36	46	7	15	1	31	15	0	0	0	FKC	—
				?	-25	+25	2	0	2	1	0	2	0	0	0	BXO	—
				9304	+12	+54	1	1	0	0	0	0	0	1	0	HSX	small
9309	+10	+62	3	1	2	1	1	2	0	0	0	CSI	—				
3866	2001 / 01 / 16	2115	8.1	9312	+08	-62	1	1	0	0	0	0	1	0	HSX	—	
				?	+03	-59	1	0	1	0	0	0	0	1	AXX	—	
				9311	+04	-38	3	1	2	1	1	2	0	0	0	CRI	—
				9308	+14	+26	9	2	5	1	4	5	0	0	0	DAI	—
9306	+11	+51	26	6	9	1	17	9	0	0	0	FKC	—				



# Georgi Dobrovolski Solar Observatory

## REGION CO-ORDINATES AND CLASSIFICATIONS FOR JANUARY 2001 *continued.*

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3867	2001 / 01 / 18	1955	342.5	9313	-08	-75	5	2	1	1	4	1	0	0	DAI	—	
				?	-28	-52	1	0	1	0	0	0	0	1	AXX	—	
				9312	+08	-39	1	1	0	0	0	0	0	1	0	HSX	—
				9311	+04	-14	11	4	5	1	6	5	0	0	0	DAC	—
				9308	+16	+53	1	1	0	0	0	0	0	1	0	HSX	—
				9306	+13	+84	1	1	0	0	0	0	0	1	0	HSX	—
3868	2001 / 01 / 22	2035	289.5	9321	-06	-55	8	3	3	1	5	3	0	0	DAC	—	
				9316	-16	-40	7	2	3	1	4	3	0	0	0	DAI	—
				9313	-07	-17	22	5	12	1	10	12	0	0	0	EAC	—
				?	-26	-11	1	0	1	0	0	0	0	0	1	AXX	—
				9320	-24	+09	3	2	0	1	3	0	0	0	0	DAO	—
				9311	+05	+46	10	3	4	1	6	4	0	0	0	EAC	—
				9319	-18	+54	3	1	2	1	1	2	0	0	0	CSI	—
3869	2001 / 01 / 23	2010	276.5	9321	-06	-47	11	3	5	1	6	5	0	0	DAC	—	
				9324	+10	-46	3	2	0	1	3	0	0	0	0	DAO	—
				9316	-16	-27	7	1	5	1	2	5	0	0	0	CAI	—
				?	+03	-11	2	1	1	1	1	1	0	0	0	CSO	—
				9323	-29	-07	1	1	0	0	0	0	0	1	0	HSX	—
				9313	-06	-05	17	3	10	1	7	10	0	0	0	DAI	class correct
				9322	-23	-04	5	1	4	1	1	4	0	0	0	CSI	—
				9320	-23	+21	1	0	1	0	0	0	0	0	1	AXX	—
				9311	+06	+58	14	4	9	1	5	9	0	0	0	EAC	—
9319	-18	+66	1	0	1	0	0	0	0	0	1	AXX	big				
3870	2001 / 01 / 27	1955	224.0	9327	+17	-50	2	0	2	1	0	2	0	0	BXO	—	
				9325	+10	-40	7	1	4	1	3	4	0	0	0	CAI	—
				9321	-05	+07	26	3	7	1	19	7	0	0	0	EKC	—
				?	-24	+13	1	0	1	0	0	0	0	0	1	AXX	—
				9316	-16	+26	3	1	2	1	1	2	0	0	0	CSI	—
				9326	+27	+37	6	3	3	1	3	3	0	0	0	DSI	class correct
				9323	-29	+44	4	2	2	1	2	2	0	0	0	DRI	—
				9313	-06	+49	3	2	0	1	3	0	0	0	0	DAO	—
				9322	-22	+53	11	2	3	1	8	3	0	0	0	DAC	—



REGION CO-ORDINATES AND CLASSIFICATIONS FOR  
**JANUARY 2001 continued.**

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grp	grf	efp	ef	Class.	Remarks
3871	2001/01/28	2005	210.7	9329	-10	-67	1	0	1	0	0	0	0	1	AXX	small
				9325	+10	-29	8	4	4	1	4	4	0	0	DSC	—
				9321	-04	+20	32	4	11	1	21	11	0	0	EKC	—
				9316	-14	+40	1	0	1	0	0	0	0	1	AXX	—
				9326	+28	+49	2	1	1	1	1	1	0	0	CSO	—
				9328	+06	+54	3	1	2	1	1	2	0	0	CSO	class correct
				9313	-04	+61	2	1	0	1	2	0	0	0	HAX	—
				9322	-22	+64	2	1	1	1	1	1	0	0	CSO	small
3872	2001/01/29	2010	197.5	9329	-10	-54	3	1	1	1	2	1	0	0	CAO	—
				9327	+14	-22	3	0	3	1	0	3	0	0	BXI	resighted
				9325	+09	-14	6	3	3	1	3	3	0	0	DSC	—
				9321	-03	+33	28	6	12	1	16	12	0	0	EAC	—
				9328	+05	+69	4	1	2	1	2	2	0	0	CAI	—
3873	2001/01/31	2020	171.1	9330	+26	-60	5	2	2	1	3	2	0	0	DAI	—
				?	-06	-40	1	0	1	0	0	0	0	1	AXX	—
				9329	-10	-26	1	1	0	0	0	0	1	0	HSX	—
				9331	+13	-16	2	1	1	1	1	1	0	0	CSO	small
				9332	+08	-13	7	2	1	1	6	1	0	0	DAI	—
				9327	+18	+04	11	2	6	1	5	6	0	0	EAI	—
				9325	+09	+14	2	1	1	1	1	1	0	0	CSO	—
9321	-04	+63	7	2	4	1	3	4	0	0	EAI	—				

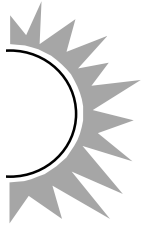


# Georgi Dobrovolski Solar Observatory

## REGION CO-ORDINATES AND CLASSIFICATIONS FOR FEBRUARY 2001

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 ) .  
 L = Carrington Longitude .

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grp	grf	efp	ef	Class.	Remarks	
3874	2001 / 02 / 04	2015	118.5	9339	-12	-75	5	2	1	1	4	1	0	0	EAI	—	
				9337	-27	-62	1	0	1	0	0	0	0	0	1	AXX	—
				9338	-17	-61	2	0	2	1	0	2	0	0	0	BXO	—
				9335	+08	-54	8	3	3	1	5	3	0	0	0	EAC	—
				9334	+11	-43	16	5	4	1	12	4	0	0	0	FAC	—
				9340	-13	-20	4	2	0	1	4	0	0	0	0	DRO	—
				9330	+25	-06	6	2	3	1	3	3	0	0	0	DAI	—
				9336	-10	+15	1	0	1	0	0	0	0	0	1	AXX	very small
				9333	+25	+48	1	1	0	0	0	0	0	1	0	HSX	very small
9327	+17	+60	1	1	0	0	0	0	0	1	0	HSX	small				
3875	2001 / 02 / 06	2050	91.8	9339	-11	-50	11	2	4	1	7	4	0	0	FAI	—	
				9338	-20	-40	4	1	3	1	1	3	0	0	0	CSI	—
				9337	-29	-40	4	2	1	1	3	1	0	0	0	DAI	—
				9335	+09	-30	15	3	8	1	7	8	0	0	0	EAC	—
				9341	-10	-25	1	0	1	0	0	0	0	0	1	AXX	big
				9334	+11	-15	27	4	18	1	9	18	0	0	0	FAC	—
				9330	+26	+19	14	3	10	1	4	10	0	0	0	FAC	—
3876	2001 / 02 / 08	2030	65.7	9347	+04	-80	2	1	1	1	1	1	0	0	CSO	—	
				9342	-26	-32	1	0	1	0	0	0	0	1	AXX	—	
				9339	-11	-24	12	2	5	1	7	5	0	0	0	FAI	—
				9344	+31	-16	2	1	1	1	1	1	0	0	0	CSO	—
				9337	-28	-15	2	1	1	1	1	1	0	0	0	CSO	small
				9338	-18	-13	2	0	2	1	0	2	0	0	0	BXO	—
				9335	+09	-04	11	3	7	1	4	7	0	0	0	EAC	—
				9341	-09	+00	1	1	0	0	0	0	0	1	0	HSX	—
				9334	+12	+11	14	5	7	1	7	7	0	0	0	EAC	—
9330	+26	+44	2	2	0	1	2	0	0	0	0	FSO	—				

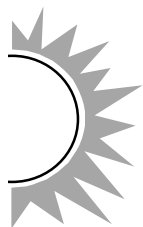


# Georgi Dobrovolski Solar Observatory

## REGION CO-ORDINATES AND CLASSIFICATIONS FOR FEBRUARY 2001 *continued.*

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grp	grf	efp	ef	Class.	Remarks		
3877	2001 / 02 / 09	2120	52.1	9349	+27	-73	1	1	0	0	0	0	1	0	HSX	—		
				9347	+04	-68	3	2	0	1	3	0	0	0	0	DAO	tight	
				9345	-19	-09	6	3	2	1	3	3	0	0	0	DAC	—	
				9339	-10	-08	6	2	3	1	3	3	0	0	0	FAO	—	
				9344	+31	-03	2	1	1	1	1	1	0	0	0	CSO	—	
				9338	-20	-00	16	4	9	1	7	9	0	0	0	DAC	—	
				?	+17	+02	1	0	1	0	0	0	0	0	1	AXX	—	
				9335	+09	+11	2	1	1	1	1	1	0	0	0	0	CSO	—
				9341	-09	+14	1	0	1	0	0	0	0	0	0	1	AXX	very small
				9334	+12	+25	7	3	3	1	4	3	0	0	0	0	EAC	—
9330	+25	+59	1	1	0	0	0	0	0	0	1	0	HSX	—				
3878	2001 / 02 / 13	2215	358.9	9350	+18	-45	3	1	1	1	2	1	0	0	CAO	—		
				9349	+28	-23	1	1	0	0	0	0	0	1	0	HSX	—	
				9347	+04	-14	4	2	2	1	2	2	0	0	0	DSI	—	
				9342	-27	+29	5	2	2	1	3	2	0	0	0	DAI	resighted	
				9348	+15	+31	8	2	4	1	4	4	0	0	0	DAI	—	
				9339	-09	+50	1	1	0	0	0	0	0	1	0	HSX	—	
				9338	-20	+52	2	1	1	1	1	1	0	0	0	CSO	—	
3879	2001 / 02 / 17	2005	307.4	9355	+20	-50	1	1	0	0	0	0	1	0	HSX	small		
				9357	-26	-51	1	0	1	0	0	0	0	0	1	AXX	big	
				9352	-22	-38	1	0	1	0	0	0	0	0	1	AXX	—	
				9354	-08	-22	11	3	4	1	7	4	0	0	0	DAC	—	
				9353	-23	-05	4	2	2	1	2	2	0	0	0	CSI	class correct	
				9350	+18	+07	1	1	0	0	0	0	0	1	0	HSX	—	
				9349	+28	+29	1	1	0	0	0	0	0	1	0	HSX	small	
3880	2001 / 02 / 20	2130	267.1	9359	+10	-76	1	1	0	0	0	0	1	0	HSX	—		
				9360	-11	-73	3	1	2	1	1	2	0	0	0	CSI	—	
				9358	-08	-22	8	4	3	1	5	3	0	0	0	DAC	small	
				9355	+20	-10	1	0	1	0	0	0	0	0	1	AXX	—	
				9357	-26	-08	4	1	3	1	1	3	0	0	0	CSI	—	
				9354	-08	+18	27	4	5	1	22	5	0	0	0	DAC	—	
				9353	-22	+34	5	2	2	1	3	2	0	0	0	DAI	—	
				9350	+19	+48	1	1	0	0	0	0	0	1	0	HSX	—	





## Georgi Dobrovolski Solar Observatory

### REGION CO-ORDINATES AND CLASSIFICATIONS FOR FEBRUARY 2001 *continued.*

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks
3881	2001 / 02 / 21	2035	254.4	9359	+10	-66	7	2	3	1	4	3	0	0	DAI	—
				9360	-11	-60	1	1	0	0	0	0	1	0	HSX	—
				?	-36	-42	1	0	1	0	0	0	0	1	AXX	—
				9358	-08	-09	5	0	5	1	0	5	0	0	BXI	—
				9357	-26	+05	3	1	2	1	1	2	0	0	CSI	—
				9354	-08	+30	19	4	5	1	14	5	0	0	DAC	—
				9353S	-28	+46	1	0	1	0	0	0	0	1	AXX	big
				9353	-24	+48	2	0	2	1	0	2	0	0	BXO	—
				9356	-15	+50	1	0	1	0	0	0	0	1	AXX	—
9350	+19	+60	1	1	0	0	0	0	1	0	HSX	—				
3882	2001 / 02 / 23	2020	228.2	?	-10	-50	1	0	1	0	0	0	0	1	AXX	very small
				9359	+12	-36	11	4	3	1	8	3	0	0	DAC	—
				9360	-10	-33	1	1	0	0	0	0	1	0	HSX	—
				9357	-25	+31	3	1	2	1	1	2	0	0	CSI	—
				9354	-09	+57	9	2	3	1	6	3	0	0	DAI	—
3883	2001 / 02 / 24	2035	214.9	9359	+13	-26	10	2	6	1	4	6	0	0	DAI	—
				9360	-10	-20	2	1	1	1	1	1	0	0	CSO	—
				9357	-25	+43	4	1	3	1	1	3	0	0	CSI	—
				9354	-09	+69	7	2	3	1	4	3	0	0	DAI	—
3884	2001 / 02 / 26	2055	188.4	?	-17	-13	1	0	1	0	0	0	0	1	AXX	—
				9359	+12	+02	26	6	7	1	19	7	0	0	DAC	—
				9360	-11	+07	5	1	4	1	1	4	0	0	CSI	—
				9358	-11	+57	4	1	3	1	1	3	0	0	CSI	—
3885	2001 / 02 / 27	2025	175.5	?	+16	-10	1	0	1	0	0	0	0	1	AXX	small
				9359	+13	+15	23	2	12	1	11	12	0	0	DAI	—
				9360	-10	+20	3	1	2	1	1	2	0	0	CSI	—
				9358	-10	+72	1	1	0	0	0	0	1	0	HSX	—
3886	2001 / 02 / 28	2045	162.2	9365	-08	-39	8	2	5	1	3	5	0	0	DAI	—
				9364	-10	+14	6	0	6	1	0	6	0	0	BXI	—
				9359	+13	+29	15	2	8	1	7	8	0	0	DAI	—
				9360	-11	+35	1	1	0	0	0	0	1	0	HSX	—



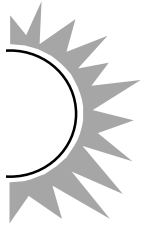
# Georgi Dobrovolski Solar Observatory

## REGION CO-ORDINATES AND CLASSIFICATIONS FOR MARCH 2001

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 ) .  
 L = Carrington Longitude .

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grp	grf	efp	ef	Class.	Remarks
3887	2001 / 03 / 01	2010	149.3	9367	+11	-64	1	1	0	0	0	0	1	0	HSX	—
				9366	-23	-54	3	1	2	1	1	2	0	0	CSI	—
				9365	-07	-26	3	2	1	1	2	1	0	0	DSI	—
				9359	+12	+44	5	1	3	1	2	3	0	0	CAI	—
				9360	-10	+49	2	1	1	1	1	1	0	0	CSO	—
3888	2001 / 03 / 02	2045	135.8	9368	+28	-51	2	1	1	1	1	1	0	0	CSO	—
				9367	+12	-51	2	1	1	1	1	1	0	0	CSO	close
				9366	-23	-41	11	5	3	1	8	3	0	0	DAC	—
				9365	-08	-12	10	2	6	1	4	6	0	0	DAI	—
				?	+24	+30	1	0	1	0	0	0	0	1	AXX	—
3889	2001 / 03 / 07	2000	70.3	9370	+09	-03	12	2	4	1	8	4	0	0	DAI	long
				9368	+25	+17	23	5	6	1	17	6	0	0	FKC	—
				9366E *	-24	+21	3	0	3	1	0	3	0	0	BXI	—
				9366W *	-23	+32	2	1	0	1	2	0	0	0	HAX	—
				9365	-10	+59	2	0	2	1	0	2	0	0	BXO	—
3890	2001 / 03 / 09	2010	73.9	9373	-07	-73	2	1	1	1	1	1	0	0	CSO	—
				9374	-18	-65	1	0	1	0	0	0	0	1	AXX	—
				9370	+11	+22	21	6	4	1	17	4	0	0	FAC	—
				9368	+26	+42	22	4	5	1	17	5	0	0	FKC	—
				9372	-37	+48	5	2	3	1	2	3	0	0	DSI	small penums
3891	2001 / 03 / 10	2125	30.0	9373	-07	-62	16	4	5	1	11	5	0	0	DAC	—
				9374	-19	-51	1	0	1	0	0	0	0	1	AXX	—
				?	-09	+01	2	0	2	1	0	2	0	0	BXO	—
				9370	+10	+37	18	3	5	1	13	5	0	0	EAC	—
				9375	-16	+45	1	1	0	0	0	0	0	1	HSX	—
				9368	+24	+58	7	1	4	1	3	4	0	0	CKI	long
9372	-36	+63	6	2	1	1	5	1	0	0	0	0	DAI	—		

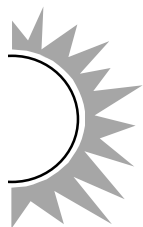
\* GDSO designation.



REGION CO-ORDINATES AND CLASSIFICATIONS FOR  
**MARCH 2001 continued.**

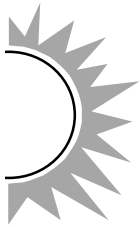
OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3892	2001 / 03 / 11	2115	17.0	9376	-13	-73	1	1	0	0	0	0	1	0	HSX	—	
				9373	-08	-49	21	5	7	1	14	7	0	0	EAC	—	
				9374	-18	-39	1	0	1	0	0	0	0	0	1	AXX	—
				9377	-18	-02	3	0	3	1	0	3	0	0	0	BXI	—
				9370	+10	+50	14	2	4	1	10	4	0	0	0	EAI	—
				9375	-15	+57	3	1	2	1	1	2	0	0	0	CSI	—
				9368	+25	+72	4	2	2	1	2	2	0	0	0	EHI	—
				9372	-36	+75	4	1	2	1	2	2	0	0	CAI	—	
3893	2001 / 03 / 12	2155	3.4	9380	-09	-66	1	1	0	0	0	0	1	0	HSX	small	
				9376	-15	-57	1	1	0	0	0	0	1	0	HSX	—	
				9379	+31	-39	1	1	0	0	0	0	1	0	HSX	—	
				9373	-08	-34	31	7	11	1	20	11	0	0	0	FAC	—
				9370	+10	+65	7	2	3	1	4	3	0	0	0	EAI	—
3894	2001 / 03 / 14	2055	337.6	9381	-17	-26	1	0	1	0	0	0	0	1	AXX	big	
				9373	-08	-09	42	9	18	1	24	18	0	0	0	FAC	—
				9384	+10	-04	4	1	2	1	2	2	0	0	0	CAI	—
				9383	-09	+42	7	2	2	1	5	2	0	0	0	DAI	—
3895	2001 / 03 / 17	2025	298.3	9385	-13	-43	1	1	0	0	0	0	1	0	HSX	small	
				?	+20	+27	5	1	4	1	1	4	0	0	0	CSI	—
				9373	-07	+32	17	6	7	1	10	7	0	0	0	FAC	—
				9384	+12	+34	5	2	1	1	4	1	0	0	0	DAI	—
3896	2001 / 03 / 18	2045	285.0	9386	+04	+09	2	0	2	1	0	2	0	0	BXO	—	
				?	+16	+38	1	0	1	0	0	0	0	1	AXX	—	
				9384E *	+12	+39	2	1	1	1	1	1	0	0	0	CSO	—
				9373	-07	+42	24	7	8	1	16	8	0	0	0	FAC	—
				9384W *	+11	+52	2	1	1	1	1	1	0	0	0	CSO	—
3897	2001 / 03 / 19	2100	271.6	9387	+09	-61	2	1	1	1	1	1	0	0	CRO	—	
				9384E	+12	+52	4	1	2	1	2	2	0	0	0	CAI	—
				9373	-07	+56	22	6	8	1	14	8	0	0	0	FAC	—
				9384W	+11	+65	2	0	2	1	0	2	0	0	0	BXO	—

\* GDSO designation.



REGION CO-ORDINATES AND CLASSIFICATIONS FOR  
MARCH 2001 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grp	grf	efp	ef	Class.	Remarks	
3898	2001 / 03 / 21	2100	245.3	9389	-13	-67	7	4	1	1	4	1	0	0	EAC	—	
				9390	+14	-61	13	4	5	1	8	5	0	0	FAC	—	
				9387	+09	-35	9	3	2	1	7	2	0	0	DAC	—	
				?	-11	+07	2	0	2	1	0	2	0	0	BXO	—	
				9391	-04	+14	1	0	1	0	0	0	0	0	1	AXX	—
				9392	+20	+16	7	2	2	1	5	2	0	0	0	DAO	class correct
				9386	+06	+54	1	1	0	0	0	0	0	1	0	HSX	resighted
				9373	-07	+79	5	3	2	1	3	2	0	0	0	ESC	—
3899	2001 / 03 / 22	2140	231.7	9393	+20	-77	1	1	0	0	0	0	1	0	HKX	huge	
				9394	+10	-76	1	0	1	0	0	0	0	0	1	AXX	—
				9389	-13	-55	11	4	3	1	8	3	0	0	0	EAC	—
				9390	+15	-47	18	5	6	1	12	6	0	0	0	FAC	—
				9387	+08	-22	10	2	3	1	7	3	0	0	0	DAI	—
				9391	-04	+27	2	0	2	1	0	2	0	0	0	BXO	—
				9392	+19	+28	4	2	2	1	2	2	0	0	0	DSO	class correct
				9376	-14	+70	1	1	0	0	0	0	0	1	0	HSX	small
3900	2001 / 03 / 23	2055	218.9	9395	-12	-74	1	1	0	0	0	0	1	0	HSX	—	
				9393	+20	-67	12	2	0	1	12	0	0	0	0	EKO	huge
				9394	+10	-63	1	0	1	0	0	0	0	0	1	AXX	big
				9389	-13	-41	11	4	3	1	8	3	0	0	0	FAC	—
				9390	+16	-36	15	4	5	1	10	5	0	0	0	FAC	—
				9387	+09	-09	9	2	5	1	4	5	0	0	0	DSI	—
				9385	-12	+37	1	0	1	0	0	0	0	0	1	AXX	—
				9392	+20	+43	6	2	3	1	3	3	0	0	0	DSI	small
3901	2001 / 03 / 24	2055	205.8	9397	-09	-78	7	2	3	1	4	3	0	0	DAI	—	
				9395	-12	-65	1	1	0	0	0	0	0	1	0	HSX	—
				9393/401	+21	-62	22	4	6	1	16	6	0	0	0	FKC	huge
				9394	+09	-50	1	1	0	0	0	0	0	1	0	HSX	—
				9389	-13	-28	15	4	7	1	8	7	0	0	0	FAC	—
				9390	+15	-21	18	5	8	1	10	8	0	0	0	FAC	—
				9398	+21	-04	8	2	3	1	5	3	0	0	0	DAI	—
				9396	-06	+02	4	1	3	1	1	3	0	0	0	CSI	—
				9387	+08	+05	7	1	5	1	2	5	0	0	0	CKI	—
				9392	+18	+56	5	1	3	1	2	3	0	0	0	CAI	—

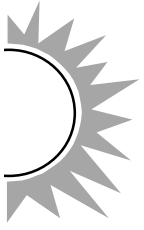


## Georgi Dobrovolski Solar Observatory

### REGION CO-ORDINATES AND CLASSIFICATIONS FOR

### MARCH 2001 continued.

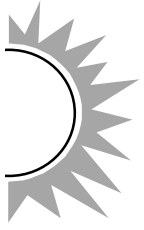
OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grp	grf	efp	ef	Class.	Remarks
3902	2001 / 03 / 25	2120	192.3	?	+04	-74	1	0	1	0	0	0	0	1	AXX	big
				9397	-12	-62	7	2	3	1	4	3	0	0	EAI	—
				9395	-12	-50	4	1	2	1	2	2	0	0	CAI	—
				9393/401	+21	-48	36	6	10	1	26	10	0	0	FKC	huge
				9394	+09	-36	1	1	0	0	0	0	1	0	HSX	—
				9389	-12	-14	19	6	7	1	12	7	0	0	FAC	—
				9390	+14	-07	14	5	7	1	7	7	0	0	EAC	—
				9399	-30	+08	6	2	3	1	3	3	0	0	DAI	—
				9398	+20	+09	2	1	1	1	1	1	0	0	CSO	—
				9396	-06	+16	12	4	5	1	7	5	0	0	DAC	—
				9387	+08	+21	1	1	0	0	0	0	1	0	HHX	—
9392	+18	+67	1	1	0	0	0	0	1	0	HSX	—				
3903	2001 / 03 / 26	2125	179.1	9403	-13	-63	1	1	0	0	0	0	1	0	HSX	—
				?	+04	-60	1	0	1	0	0	0	0	1	AXX	big
				9401	+22	-44	14	4	5	1	9	5	0	0	DAC	—
				9397	-10	-48	9	2	6	1	3	6	0	0	ESO	—
				9393	+18	-28	53	7	14	1	39	14	0	0	FKC	huge
				9395	-12	-36	1	1	0	0	0	0	1	0	HAX	—
				9394	+09	-23	1	1	0	0	0	0	1	0	HSX	—
				9400	+10	-06	1	1	0	0	0	0	1	0	HSX	—
				9389	-13	+01	23	6	7	1	16	7	0	0	FAC	—
				9390	+15	+07	8	2	4	1	4	4	0	0	EAI	—
				9399	-29	+21	6	2	3	1	3	3	0	0	DAI	—
				9396	-06	+31	16	4	5	1	11	5	0	0	DAC	—
				9387	+09	+37	2	1	1	1	1	1	0	0	CHO	—



## Georgi Dobrovolski Solar Observatory

### REGION CO-ORDINATES AND CLASSIFICATIONS FOR MARCH 2001 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grp	grf	efp	ef	Class.	Remarks
3904	2001 / 03 / 29	2050	139.9	9407	+13	-57	3	1	1	1	2	1	0	0	CAO	—
				9406	+26	-55	2	1	0	1	2	0	0	0	HAX	—
				9404	-05	-39	3	1	2	1	1	2	0	0	CSI	—
				9408	-10	-27	15	4	8	1	7	8	0	0	DAC	—
				9403	-13	-23	7	1	3	1	4	3	0	0	CAI	—
				9401	+21	-06	21	4	8	1	13	8	0	0	DAC	—
				9397	-09	-09	16	3	8	1	8	8	0	0	DAC	—
				9395	-13	+03	2	1	1	1	1	1	0	0	CSO	—
				9393	+17	+15	66	6	11	1	55	11	0	0	FKC	huge
				9390	+14	+47	1	1	0	0	0	0	1	0	HSX	—
				9389	-12	+47	6	1	4	1	2	4	0	0	CAI	—
				9396	-06	+69	9	2	3	1	6	3	0	0	DAI	—
9387	+08	+76	1	1	0	0	0	0	1	0	HSX	—				
3905	2001 / 03 / 30	2030	126.9	?	+06	-57	1	0	1	0	0	0	0	1	AXX	—
				9406	+26	-44	2	1	0	1	2	0	0	0	HAX	—
				9407	+11	-44	2	1	1	1	1	1	0	0	CSO	—
				9404	-05	-26	5	1	2	1	3	2	0	0	CAO	class correct
				9408	-09	-14	19	4	8	1	11	8	0	0	DAC	—
				9403	-13	-09	6	2	4	1	2	4	0	0	DAI	—
				?	+17	+03	2	0	2	1	0	2	0	0	BXO	—
				9397	-09	+03	10	3	5	1	5	5	0	0	DAC	—
				9401	+22	+06	18	5	9	1	9	9	0	0	EAC	—
				?	+16	+14	3	1	2	1	1	2	0	0	CRI	—
				9395	-13	+14	1	1	0	0	0	0	1	0	HSX	—
				9393	+17	+27	54	6	16	1	38	16	0	0	FKC	huge
9389	-10	+60	1	0	1	0	0	0	0	1	AXX	—				
9390	+13	+62	2	1	1	1	1	1	0	0	CSO	—				



*Georgi Dobrovolski Solar Observatory*

*REGION CO-ORDINATES AND CLASSIFICATIONS FOR*

*MARCH 2001 continued.*

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grp	grf	efp	ef	Class.	Remarks
3906	2001 / 03 / 31	2110	113.3	9412	-14	-67	1	1	0	0	0	0	1	0	HSX	—
				9406	+25	-30	2	1	0	1	2	0	0	0	HAX	—
				9407	+11	-28	3	1	1	1	2	1	0	0	CAO	—
				9404	-06	-11	10	4	3	1	7	3	0	0	DAC	—
				9408	-10	+03	12	3	7	1	5	7	0	0	DAC	—
				9403	-15	+04	5	2	2	1	3	2	0	0	DSI	—
				9397	-09	+20	6	3	3	1	3	3	0	0	DSC	—
				9401	+20	+21	11	4	4	1	7	4	0	0	DAC	—
				?	+16	+29	3	1	2	1	1	2	0	0	CSI	small
				9395	-12	+30	2	1	1	1	1	1	0	0	CSO	—
				9393	+17	+41	46	5	11	1	35	11	0	0	FKC	—
				9389	-11	+73	1	1	0	0	0	0	1	0	HSX	—



# Georgi Dobrovolski Solar Observatory

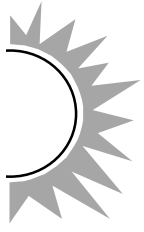
## REGION CO-ORDINATES AND CLASSIFICATIONS FOR

### APRIL 2001

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 ) .  
 L = Carrington Longitude .

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grp	grf	efp	ef	Class.	Remarks	
3907	2001 / 04 / 03	2025	74.1	9415	-22	-76	7	2	0	1	7	0	0	0	EKO	—	
				9414	-23	-47	1	1	0	0	0	0	0	1	0	HSX	small
				9412	-15	-28	1	0	1	0	0	0	0	0	1	AXX	—
				9406	+26	+06	2	1	0	1	2	0	0	0	0	HAX	—
				9407	+13	+12	2	1	1	1	1	1	1	0	0	CSO	—
				9416	+17	+15	11	4	3	1	8	3	0	0	0	DAC	—
				9404	-05	+28	1	1	0	0	0	0	0	1	0	HSX	small
				9413	+11	+41	8	1	5	1	3	5	0	0	0	CAI	—
				9408	-08	+43	18	2	10	1	8	10	0	0	0	EKI	—
				9401	+25	+55	5	1	1	1	4	1	0	0	0	CAO	—
				9397	-07	+62	2	1	1	1	1	1	1	0	0	CSO	—
9393	+18	+79	14	3	3	1	11	3	0	0	0	FKC	—				
3908	2001 / 04 / 05	2050	47.5	9420	-08	-79	1	1	0	0	0	0	1	0	HSX	—	
				9418	+26	-61	6	3	2	1	4	2	0	0	0	DAC	—
				9415	-21	-49	13	3	2	1	11	2	0	0	0	EKC	—
				9417	-08	-30	10	2	6	1	4	6	0	0	0	DAI	—
				9414	-23	-23	1	0	1	0	0	0	0	0	1	AXX	—
				?	+31	-05	1	0	1	0	0	0	0	0	1	AXX	big
				9412	-14	-02	2	0	2	1	0	2	0	0	0	BXO	very small
				9406	+29	+32	3	1	1	1	2	1	0	0	0	CAO	—
				9407	+11	+38	3	1	2	1	1	2	0	0	0	CSI	—
				9413	+10	+68	2	1	1	1	1	1	1	0	0	CSO	—
9408	-09	+71	1	1	0	0	0	0	0	1	0	HHX	—				
3909	2001 / 04 / 06	2155	33.72	9420	-06	-64	1	1	0	0	0	0	1	0	HRX	—	
				9418	+27	-47	7	2	4	1	3	4	0	0	0	DSI	—
				9415	-21	-35	23	3	7	1	16	7	0	0	0	EKC	—
				9417	-08	-16	15	3	6	1	9	6	0	0	0	DAI	class correct
				?	+30	+09	1	0	1	0	0	0	0	0	1	AXX	—
				9421	-15	+27	2	0	2	1	0	2	0	0	0	BXO	—
				9406	+28	+48	2	1	1	1	1	1	0	0	0	CHO	—
9407	+11	+52	1	1	0	0	0	0	0	1	0	HSX	—				



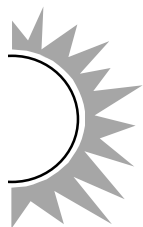


## Georgi Dobrovolski Solar Observatory

### REGION CO-ORDINATES AND CLASSIFICATIONS FOR

### APRIL 2001 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3910	2001 / 04 / 07	2055	21.1	9422	-13	-80	1	1	0	0	0	0	1	0	HSX	—	
				9420	-07	-51	1	1	0	0	0	0	0	1	0	HSX	—
				9418	+26	-34	8	3	4	1	4	4	0	0	0	DAC	—
				9415	-21	-23	17	4	5	1	12	5	0	0	0	EKC	—
				9417	-08	-03	12	3	4	1	8	4	0	0	0	DAC	—
				9421	-15	+40	2	1	1	1	1	1	0	0	0	CSO	—
				9406	+27	+58	1	1	0	0	0	0	0	1	0	HHX	—
				9407	+11	+66	1	1	0	0	0	0	0	1	0	HSX	—
3911	2001 / 04 / 08	2105	7.8	9422	-12	-66	1	1	0	0	0	0	1	0	HRX	—	
				9420	-06	-38	1	1	0	0	0	0	0	1	0	HSX	—
				9424	-16	-36	2	0	2	1	0	2	0	0	0	BXO	—
				?	+07	-27	1	0	1	0	0	0	0	0	1	AXX	—
				9418	+27	-21	14	3	9	1	5	9	0	0	0	DAC	—
				9415	-21	-07	24	4	5	1	19	5	0	0	0	EKC	—
				9423	+21	-05	2	0	2	1	0	2	0	0	0	BXO	—
				9417	-09	+10	11	4	3	1	8	3	0	0	0	DAC	—
				9421	-16	+55	1	1	0	0	0	0	0	1	0	HSX	small
9406	+27	+71	1	1	0	0	0	0	0	1	0	HSX	—				
3912	2001 / 04 / 13	2100	301.8	9429	+09	-77	1	1	0	0	0	0	1	0	HSX	—	
				9426	-10	-15	3	2	0	1	3	0	0	0	0	DAO	—
				9422	-12	+02	6	1	3	1	3	3	0	0	0	CAI	—
				9424	-18	+32	4	2	2	1	2	2	0	0	0	DSI	—
				9420/27	-08	+33	7	2	3	1	4	3	0	0	0	DAI	—
				9418	+26	+44	10	2	5	1	5	5	0	0	0	ESI	—
				9415	-22	+57	13	3	4	1	9	4	0	0	0	DKC	—
				9417	-07	+79	2	1	1	1	1	1	0	0	0	CSO	—
3913	2001 / 04 / 14	2050	288.7	9429	+09	-64	1	1	0	0	0	0	1	0	HSX	—	
				9426	-10	-01	2	1	0	1	2	0	0	0	0	HAX	—
				9422	-12	+14	3	2	1	1	2	1	0	0	0	DSI	—
				?	+06	+13	1	0	1	0	0	0	0	0	1	AXX	—
				9424	-18	+43	1	1	0	0	0	0	0	1	0	HSX	—
				9420/27	-08	+45	5	1	2	1	3	2	0	0	0	DAI	—
				9418	+26	+56	8	3	1	1	7	1	0	0	0	ESC	—
				9415	-22	+69	6	2	1	1	5	1	0	0	0	DKI	—



REGION CO-ORDINATES AND CLASSIFICATIONS FOR  
APRIL 2001 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	f	p	s	gr	grp	grf	efp	ef	Class.	Remarks
3914	2001 / 04 / 16	2050	262.3	9431	-10	-64	1	0	1	0	0	0	0	1	AXX	—
				9429	+09	-38	1	1	0	0	0	0	1	0	HSX	—
				9426	-08	+25	3	1	1	1	2	1	0	0	CAO	—
				9422	-12	+41	2	0	2	1	0	2	0	0	BXO	small
3915	2001 / 04 / 19	2040	222.8	9433	+17	-66	14	4	7	1	7	7	0	0	FKC	old 9393
				9435	-21	-30	4	1	2	1	2	2	0	0	CAI	—
				9432	+07	-08	7	2	3	1	4	3	0	0	DAI	—
				9429	+08	+02	1	1	0	0	0	0	1	0	HSX	—
				?	-17	+04	1	0	1	0	0	0	0	1	AXX	—
				9434	+19	+21	4	2	0	1	4	0	0	0	DAO	—
3916	2001 / 04 / 21	2150	195.7	9437	+08	-78	1	1	0	0	0	0	1	0	HSX	—
				9436	-11	-74	1	1	0	0	0	0	1	0	HSX	—
				9433	+16	-42	34	8	9	1	25	9	0	0	FKC	old 9393
				9435	-20	-03	13	3	2	1	11	2	0	0	DAC	—
				9431	-11	-02	9	2	2	1	7	2	0	0	DAI	—
				9432	+08	+14	8	3	3	1	5	3	0	0	DAC	—
				9429	+08	+29	2	1	0	1	2	0	0	0	HAX	—
				9434	+20	+49	2	0	2	1	0	2	0	0	BXO	—
3917	2001 / 04 / 23	2055	169.8	9437	+09	-50	1	1	0	0	0	0	1	0	HSX	—
				9436	-12	-48	2	1	1	1	1	1	0	0	CHO	—
				9433	+17	-16	53	6	16	1	37	16	0	0	FKC	—
				9435	-19	+24	8	2	2	1	6	2	0	0	DAI	—
				9431	-11	+27	1	1	0	0	0	0	1	0	HAX	—
				9432	+08	+45	5	2	2	1	3	2	0	0	DAI	—
3918	2001 / 04 / 25	2055	143.4	9442	+28	-73	1	1	0	0	0	0	1	0	HSX	—
				9436	-10	-22	2	1	1	1	1	1	0	0	CSO	—
				9437	+08	-21	4	1	2	1	2	2	0	0	CAI	—
				9438	-13	-10	2	0	2	1	0	2	0	0	BXO	—
				9433	+16	+13	51	10	8	1	43	8	0	0	FKC	long
				9439	-22	+26	3	1	2	1	1	2	0	0	CSI	—
				9435	-21	+49	4	2	1	1	3	1	0	0	DAI	—
				9431	-12	+55	1	1	0	0	0	0	1	0	HSX	—
9432	+08	+73	1	0	1	0	0	0	0	1	AXX	—				

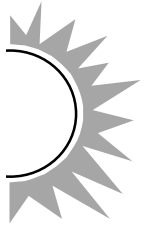


# Georgi Dobrovolski Solar Observatory

## REGION CO-ORDINATES AND CLASSIFICATIONS FOR MAY 2001

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 ) .  
 L = Carrington Longitude .

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grp	grf	efp	ef	Class.	Remarks
3919	2001 / 05 / 05	2150	10.7	9451	-22	-66	305	1	1	0	0	0	0	1	0	HSX	—
				9449	-17	-32	339	2	1	0	1	2	0	0	0	HAX	—
				9448	+21	-23	348	5	1	1	1	4	1	0	0	CAO	—
				9445	+24	+15	26	27	7	8	1	19	8	0	0	FAC	—
				9450	-04	+19	30	5	1	3	1	2	3	0	0	CAI	—
				9442	+27	+52	63	1	1	0	0	0	0	1	0	HSX	small
				9447	+12	+54	65	14	3	11	1	3	11	0	0	EAI	—
9441	+05	+72	83	1	1	0	0	0	0	1	0	HSX	big				
3920	2001 / 05 / 06	2100	357.9	9451	-20	-54	304	1	1	0	0	0	0	1	0	HSX	—
				9449	-17	-19	339	2	1	0	1	2	0	0	0	HAX	—
				9448	+21	-09	349	3	1	0	1	3	0	0	0	HKX	—
				9445	+23	+28	26	18	4	12	1	6	12	0	0	FAC	widespread
				9450	-03	+34	32	3	1	2	1	1	2	0	0	CSO	class correct
				9447	+11	+69	67	2	2	0	1	2	0	0	0	ESO	—
3921	2001 / 05 / 07	2105	344.7	9452	-09	-70	275	1	0	1	0	0	0	0	1	AXX	big
				9451	-21	-41	304	2	1	1	1	1	1	0	0	CSO	—
				9449	-17	-07	338	5	1	3	1	2	3	0	0	CAI	—
				9448	+22	+03	348	6	1	4	1	2	4	0	0	CAI	—
				9445	+25	+39	24	5	2	3	1	2	3	0	0	FSO	sparse
3922	2001 / 05 / 08	2110	331.4	9452	-09	-56	275	1	0	1	0	0	0	0	1	AXX	big
				9451	-21	-28	303	2	1	1	1	1	1	0	0	CAO	—
				9449	-16	+05	336	4	1	1	1	3	1	0	0	CAO	—
				9448	+22	+14	345	5	1	2	1	3	2	0	0	CAI	—
				9445	+24	+52	23	4	2	2	1	2	2	0	0	FSO	sparse
3923	2001 / 05 / 15	2105	238.9	9461	+15	-77	162	1	0	1	0	0	0	0	1	AXX	—
				9454	+12	-07	232	17	4	5	1	12	5	0	0	EAC	—
				9455	-17	+36	275	19	6	5	1	14	5	0	0	FAC	—
				9456	+07	+43	282	4	2	2	1	2	2	0	0	DSI	—
				9458	-12	+58	297	5	2	3	1	2	3	0	0	DSI	—
				9451	-21	+66	305	1	1	0	0	0	0	1	0	HSX	—



# Georgi Dobrovolski Solar Observatory

## REGION CO-ORDINATES AND CLASSIFICATIONS FOR

### MAY 2001 *continued.*

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3924	2001 / 05 / 18	2100	199.3	9464	-12	-83	116	1	0	1	0	0	0	0	1	AXX	—	
				9463	+07	-74	125	2	1	0	1	2	0	0	0	0	HAX	—
				9462	+20	-64	135	1	1	0	0	0	0	0	1	0	HSX	—
				?	-21	-60	139	1	0	1	0	0	0	0	0	1	AXX	—
				9461	+19	-41	158	18	5	7	1	11	7	0	0	0	DAC	—
				9454	+14	+31	230	12	3	6	1	6	6	0	0	0	EAC	—
				9455	-17	+78	277	8	3	3	1	5	3	0	0	0	DAC	—
3925	2001 / 05 / 19	2055	186.1	9465	-07	-77	109	1	1	0	0	0	0	1	0	HSX	—	
				9464	-11	-72	114	2	1	1	1	1	1	0	0	0	CSO	—
				9463	+07	-61	125	11	3	2	1	9	2	0	0	0	DAC	—
				9462	+19	-50	136	1	1	0	0	0	0	0	1	0	HSX	—
				?	-20	-47	139	1	0	1	0	0	0	0	0	1	AXX	—
				9461	+19	-27	159	12	4	5	1	7	5	0	0	0	DAC	—
				9454	+14	+46	232	1	0	1	0	0	0	0	0	1	AXX	—
3926	2001 / 05 / 20	2125	172.6	9468	+08	-78	95	1	1	0	0	0	0	1	0	HSX	—	
				9465	-08	-65	108	5	3	1	1	4	1	0	0	0	DAI	—
				9464	-07	-55	118	2	2	0	1	2	0	0	0	0	DSO	—
				9463	+09	-48	125	14	4	7	1	7	7	0	0	0	EKC	small in area
				9462	+20	-38	135	1	1	0	0	0	0	0	1	0	HSX	—
				9461	+22	-12	161	6	3	2	1	4	2	0	0	0	DAC	—
3927	2001 / 05 / 22	2120	146.2	9472	+12	-76	70	1	1	0	0	0	0	1	0	HSX	—	
				9468	+07	-55	91	7	4	2	1	5	2	0	0	0	DAC	small
				9467	-05	-44	102	1	1	0	0	0	0	0	1	0	HSX	—
				9465	-10	-36	110	4	2	1	1	3	1	0	0	0	DAI	small
				9466	-03	-28	118	2	0	2	1	0	2	0	0	0	BXO	—
				9464	-08	-25	121	1	1	0	0	0	0	0	1	0	HSX	—
				9463	+10	-20	126	23	7	6	1	17	6	0	0	0	FKC	—
				9471	-13	-13	133	2	0	2	1	0	2	0	0	0	BXO	—
				9462	+21	-11	135	3	1	2	1	1	2	0	0	0	CSI	—
				9461	+22	+17	163	3	1	0	1	3	0	0	0	0	HAX	—
				9470	-15	+17	163	1	1	0	0	0	0	0	1	0	HSX	—
				9469	+08	+68	214	1	0	1	0	0	0	0	0	1	AXX	—



## Georgi Dobrovolski Solar Observatory

### REGION CO-ORDINATES AND CLASSIFICATIONS FOR

*MAY 2001 continued.*

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks			
3928	2001 / 05 / 25	2240	105.7	9474	+18	-67	39	1	0	1	0	0	0	0	1	AXX	—			
				9472	+12	-35	71	1	1	0	0	0	0	0	1	0	HSX	—		
				9468	+07	-13	93	19	5	9	1	5	9	1	10	9	0	0	DAC	—
				9467	-08	-01	105	4	1	3	1	1	3	1	1	3	0	0	CSI	—
				9466	-04	+11	117	3	1	2	1	1	2	1	1	2	0	0	CSI	—
				9463	+08	+22	128	15	4	6	1	4	6	1	9	6	0	0	EKC	—
				9462	+20	+27	133	2	1	1	1	1	1	1	1	1	0	0	CSO	—
9461	+22	+57	163	1	1	0	0	1	0	0	0	0	1	0	HSX	—				
3929	2001 / 05 / 31	2115	27.1	9484	-08	-51	336	4	1	3	1	1	3	0	0	CSI	—			
				9475	+18	-07	20	6	3	2	1	3	2	1	4	2	0	0	DAC	—
				9474	+20	+13	40	2	1	1	1	1	1	1	1	1	0	0	CSO	—
				9483	-22	+44	71	4	2	1	1	2	1	1	3	1	0	0	DAI	—
				9468	+06	+75	102	1	1	0	0	1	0	0	0	0	1	0	HSX	—
				9467	-06	+80	107	1	1	0	0	1	0	0	0	0	1	0	HSX	—



# Georgi Dobrovolski Solar Observatory

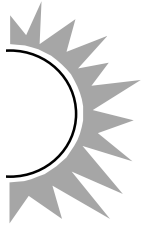
## REGION CO-ORDINATES AND CLASSIFICATIONS FOR

### JUNE 2001

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 ) .  
 L = Carrington Longitude .

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grp	grf	efp	ef	Class.	Remarks	
3930	2001/06/02	2100	0.8	9487	+20	-77	284	1	1	0	0	0	0	1	0	HHX	—	
				?	-09	-76	285	1	0	1	0	0	0	0	0	1	AXX	—
				9485	-21	-66	295	3	2	0	1	3	0	0	0	0	EAO	—
				9484	-06	-24	337	14	6	5	1	9	5	0	0	0	DAC	—
				9482	-12	-07	354	2	0	2	1	0	2	0	0	0	BXO	—
				9486	+28	+06	007	7	2	3	1	4	3	0	0	0	DAI	—
				9475	+20	+17	018	9	3	5	1	4	5	0	0	0	DAC	—
				9474	+21	+36	037	1	0	1	0	0	0	0	0	1	AXX	—
				9477	-17	+53	054	3	1	2	1	1	2	0	0	0	CSI	—
9483	-22	+71	072	2	0	2	1	0	2	0	0	0	BXO	—				
3931	2001/06/03	2120	347.4	?	-10	-62	285	2	0	2	1	0	2	0	0	BXO	—	
				9487	+19	-61	286	5	2	0	1	5	0	0	0	DKO	tight	
				9485/88*	-20	-55	292	5	2	0	1	5	0	0	0	EKO	—	
				?	-20	-25	322	1	0	1	0	0	0	0	0	1	AXX	—
				9484	-06	-09	338	13	4	4	1	9	4	0	0	0	DAC	—
				9482	-16	+03	350	1	0	1	0	0	0	0	0	1	AXX	—
				9486	+28	+21	008	8	3	2	1	6	2	0	0	0	DAC	—
9475	+19	+28	015	10	4	3	1	7	3	0	0	0	DAC	—				
3932	2001/06/04	2125	334.1	?	-07	-70	264	2	0	2	1	0	2	0	0	BXO	—	
				9487	+19	-50	284	5	1	0	1	5	0	0	0	HKX	—	
				9488	-18	-50	284	6	1	2	1	4	2	0	0	CAO	class correct	
				9484	-06	+04	338	12	4	3	1	9	3	0	0	DAC	—	
				9486	+28	+32	006	9	4	2	1	7	2	0	0	DAC	—	
9475	+20	+40	014	11	2	3	1	8	3	0	0	DAI	—					

\* GDSO designation.

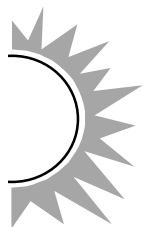


## Georgi Dobrovolski Solar Observatory

### REGION CO-ORDINATES AND CLASSIFICATIONS FOR JUNE 2001 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks		
3933	2001 / 06 / 08	2150	280.9	9493	+05	-53	228	8	3	4	1	4	4	0	0	ESC	small in area		
				9492	+19	-38	243	14	2	5	1	9	5	0	0	DAI	—		
				?	-10	-50	231	1	0	1	0	0	0	0	0	1	AXX	—	
				9491	+24	-39	242	2	1	0	1	2	0	0	0	0	HAX	—	
				9495	+04	-26	255	9	3	5	1	4	5	0	0	0	DAC	—	
				?	+10	-15	266	1	0	1	0	0	0	0	0	0	1	AXX	—
				9489	+17	-10	271	23	5	12	1	11	12	0	0	0	DAC	—	
				9487	+22	+01	282	10	2	4	1	6	4	0	0	0	DAI	—	
				9488	-19	+04	285	8	4	2	1	6	2	0	0	0	DAC	—	
				?	-13	+14	295	1	1	0	0	0	0	0	1	0	HSX	small	
				9496	+09	+19	300	5	1	4	1	1	4	0	0	0	CSI	—	
				9494	-08	+28	309	22	5	7	1	15	7	0	0	0	DAC	—	
				9484	-06	+59	340	1	1	0	0	0	0	0	1	0	HSX	—	
3934	2001 / 06 / 10	2110	254.8	9501	-13	-84	171	1	1	0	0	0	0	1	0	HSX	—		
				9498	+22	-61	194	1	1	0	0	0	0	0	1	0	HSX	small	
				9493E*	+07	-36	219	1	1	0	0	0	0	0	1	0	HSX	—	
				9497	-10	-30	225	5	2	2	1	3	2	0	0	0	DSI	—	
				9493W*	+06	-20	235	2	1	1	1	1	1	0	0	0	CSO	—	
				9492	+20	-14	241	6	2	1	1	5	1	0	0	0	DAI	—	
				9491	+25	-13	242	1	1	0	0	0	0	0	1	0	HSX	—	
				9495	+05	+00	255	7	2	3	1	4	3	0	0	0	DAI	—	
				9489	+18	+14	269	16	3	9	1	7	9	0	0	0	EAC	—	
				9487	+21	+27	282	9	1	3	1	6	3	0	0	0	CAI	—	
				9488	-18	+29	284	2	1	1	1	1	1	0	0	0	CSO	—	
				9496	+09	+44	299	1	1	0	0	0	0	0	1	0	HSX	small	
				9494	-08	+54	309	13	3	2	1	11	2	0	0	0	EAC	—	

\* GDSO designation.



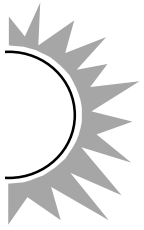
REGION CO-ORDINATES AND CLASSIFICATIONS FOR

JUNE 2001 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3935	2001 / 06 / 11	2100	241.7	9500	+10	-74	168	2	1	1	1	1	1	0	0	CSO	—	
				9501	-14	-72	170	1	1	0	0	0	0	0	1	0	HSX	—
				9498	+24	-49	193	4	1	2	1	2	2	0	0	0	CAI	—
				9493E*	+07	-22	220	3	1	2	1	1	2	0	0	0	CSI	—
				9499	+18	-20	222	5	2	2	1	3	2	0	0	0	DAI	—
				9497	-09	-17	225	6	2	1	1	5	1	0	0	0	DAI	—
				9493W*	+06	-07	235	2	1	0	1	2	0	0	0	0	HAX	—
				9492	+20	-01	241	7	2	2	1	5	2	0	0	0	DAI	—
				9491	+25	+00	242	2	1	1	1	1	1	0	0	0	CSO	—
				9495	+05	+13	255	4	2	2	1	2	2	0	0	0	DSI	—
				9489	+17	+27	269	9	3	4	1	5	4	0	0	0	EAC	small
				9487	+21	+40	282	4	1	0	1	4	0	0	0	0	HAX	—
				9488	-19	+42	284	3	1	2	1	1	2	0	0	0	CSI	—
				9494N*	-05	+59	301	2	1	1	1	1	1	0	0	0	CSO	—
				9494	-08	+66	308	8	4	3	1	5	3	0	0	0	EAC	—
3936	2001 / 06 / 12	2125	228.2	9503	+12	-84	144	1	1	0	0	0	0	1	0	HSX	—	
				9502	-25	-70	158	3	3	0	1	3	0	0	0	0	DSC	—
				9500	+10	-59	169	1	1	0	0	0	0	1	0	0	HSX	—
				9501	-15	-57	171	2	1	1	1	1	1	0	0	0	CSO	—
				9498	+23	-33	195	4	2	1	1	3	1	0	0	0	DAI	—
				9493E*	+07	-07	221	1	1	0	0	0	0	1	0	0	HSX	small
				9499	+18	-05	223	3	2	1	1	2	1	0	0	0	DSI	—
				9497	-09	-04	224	3	0	3	1	0	3	0	0	0	BXI	—
				9493W*	+06	+06	234	1	1	0	0	0	0	1	0	0	HSX	—
				9491	+26	+12	240	3	1	2	1	1	2	0	0	0	CSI	—
				9492	+21	+13	241	5	2	2	1	3	2	0	0	0	DAO	—
				?	+04	+13	241	2	0	2	1	0	2	0	0	0	BXO	—
				9495	+05	+28	256	2	0	2	1	0	2	0	0	0	BXO	—
				9489	+20	+40	268	4	1	2	1	2	2	0	0	0	CAI	long
				9487	+22	+53	281	3	2	0	1	3	0	0	0	0	DAO	—
9488	-18	+54	282	2	1	1	1	1	1	0	0	0	CSO	—				
9494	-07	+78	306	2	2	0	1	2	0	0	0	0	DSO	—				

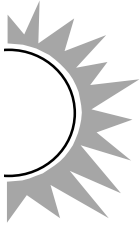
\* GDSO designation.





OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3937	2001 / 06 / 16	2115	175.3	9506E*	+17	-67	108	4	1	3	1	1	3	0	0	CSI	—	
				9506W*	+16	-57	118	13	3	5	1	8	5	0	0	DAC	—	
				9505	+21	-48	127	3	2	0	1	3	0	0	0	DAO	—	
				9504	-07	-39	136	4	1	0	1	4	0	0	0	HKX	—	
				9503	+13	-35	140	29	5	4	1	25	4	0	0	EAC	—	
				?	-23	-34	141	1	0	1	0	0	0	0	0	1	AXX	—
				?	+18	-25	150	1	0	1	0	0	0	0	0	1	AXX	—
				9502	-25	-21	154	13	5	4	1	9	4	0	0	0	DAC	—
				9500	+10	-06	169	6	2	3	1	3	3	0	0	0	DAI	—
				9501	-13	-04	171	8	2	5	1	3	5	0	0	0	DAI	—
				9498	+24	+20	195	3	2	0	1	3	0	0	0	0	DAO	tight
				9499	+20	+56	231	1	1	0	0	0	0	0	1	0	HSX	—
				9491	+28	+64	239	2	1	0	1	2	0	0	0	0	HAX	—
				9493/95*	+07	+66	241	10	4	3	1	7	3	0	0	0	FAC	—
				?	+25	+72	247	1	0	1	0	0	0	0	0	1	AXX	—
3938	2001 / 06 / 17	2140	161.9	9506E*	+17	-54	108	6	1	3	1	3	3	0	0	CAI	—	
				9506W*	+17	-44	118	13	2	6	1	7	6	0	0	EAI	—	
				9505	+21	-34	128	3	2	0	1	3	0	0	0	DAO	—	
				9504	+08	-26	136	3	1	0	1	3	0	0	0	HKX	—	
				9503	+14	-22	140	32	4	13	1	19	13	0	0	FAC	—	
				9502	-25	-07	155	8	3	2	1	6	2	0	0	0	DAC	—
				9500	+10	+07	169	5	2	2	1	3	2	0	0	0	DAI	—
				9501	-13	+09	171	7	3	2	1	5	2	0	0	0	DAC	—
				9498	+23	+35	197	1	1	0	0	0	0	0	1	0	HSX	—
				9499	+20	+69	231	1	1	0	0	0	0	0	1	0	HSX	—
				9491	+27	+77	239	2	1	0	1	2	0	0	0	0	HAX	—
				9493/95*	+06	+80	242	2	2	0	1	2	0	0	0	0	DSO	—

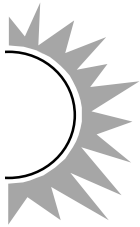
\* GDSO designation.



REGION CO-ORDINATES AND CLASSIFICATIONS FOR  
*JUNE 2001 continued.*

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3939	2001 / 06 / 18	2120	148.8	9506E*	+17	-41	108	4	2	2	1	2	2	0	0	DRI	—	
				9506W*	+17	-30	119	13	3	7	1	6	7	0	0	EAC	—	
				9505	+21	-22	127	3	2	0	1	3	0	0	0	DAO	—	
				9504	+08	-14	135	4	1	1	1	3	1	0	0	CKO	—	
				9509	-11	-12	137	3	0	3	1	0	3	0	0	BXI	—	
				9503	+14	-10	139	35	9	11	1	24	11	0	0	FAC	—	
				9502	-26	+05	154	5	1	4	1	1	4	0	0	CSI	—	
				9500	+11	+19	168	3	1	2	1	1	2	0	0	CSI	—	
				9501	-14	+21	170	6	2	3	1	3	3	0	0	DAI	—	
				9498	+23	+47	196	1	0	1	0	0	0	0	0	1	AXX	—
3940	2001 / 06 / 21	2120	109.1	9513	+21	-78	031	1	1	0	0	0	0	1	0	HSX	—	
				9511	+10	-41	068	1	0	1	0	0	0	0	0	1	AXX	—
				9512	-23	-33	076	11	2	4	1	7	4	0	0	DAI	—	
				9506EE*	+18	-10	099	5	1	2	1	3	2	0	0	CAI	—	
				9506E*	+17	-01	108	9	2	4	1	5	4	0	0	DAI	—	
				9506W*	+17	+10	119	7	1	4	1	3	4	0	0	CHI	class correct	
				9505	+21	+19	128	1	1	0	0	0	0	0	1	0	HAX	—
				9504	+08	+26	135	5	2	2	1	3	2	0	0	0	DKI	—
				9509	-11	+29	138	10	3	4	1	6	4	0	0	0	DAC	—
				9503	+16	+31	140	31	7	10	1	21	10	0	0	0	FAC	—
				9510	-06	+47	156	5	2	2	1	3	2	0	0	0	CAI	—
				9501	-13	+62	171	2	1	1	1	1	1	1	0	0	CRO	—
3941	2001 / 06 / 24	2105	69.5	9516	+11	-58	012	1	1	0	0	0	0	1	0	HSX	—	
				9513E*	+23	-54	016	9	2	1	1	8	1	0	0	0	DAI	—
				9514	+17	-44	026	2	1	0	1	2	0	0	0	0	HAX	—
				9513W*	+22	-41	029	4	1	3	1	1	3	0	0	0	CSI	—
				9515	-06	-35	035	7	3	2	1	5	2	0	0	0	DAC	—
				9511	+10	-03	067	14	5	3	1	11	3	0	0	0	DAC	—
				9512	-22	+06	076	17	5	4	1	13	4	0	0	0	DAC	—
				9506	+17	+43	113	2	1	0	1	2	0	0	0	0	HKX	—
				?	+21	+63	133	1	0	1	0	0	0	0	0	1	AXX	—
				9504	+07	+67	137	2	1	0	1	2	0	0	0	0	HKX	—
				9503	+15	+72	142	3	2	1	1	2	1	0	0	0	ESI	—
				9509	-10	+73	143	1	0	1	0	0	0	0	0	1	AXX	—
				9510	-07	+87	157	1	0	1	0	0	0	0	0	1	AXX	—

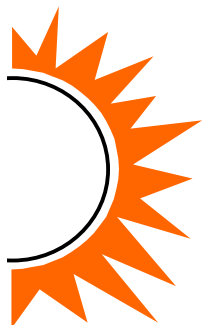
\* GDSO designation.



REGION CO-ORDINATES AND CLASSIFICATIONS FOR  
*JUNE 2001 continued.*

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3942	2001 / 06 / 25	2125	56.1	9516	+12	-44	012	1	1	0	0	0	0	1	0	HSX	—	
				9513E*	+23	-40	016	8	1	4	1	4	4	0	0	0	CAI	—
				9514	+17	-30	026	5	1	3	1	2	3	0	0	0	CSI	—
				9513W*	+22	-27	029	4	2	1	1	3	1	0	0	0	DAI	—
				9515	-07	-21	035	11	2	3	1	8	3	0	0	0	DAI	—
				9511	+09	+12	068	8	3	4	1	4	4	0	0	0	DAC	—
				9512	-24	+21	077	15	3	4	1	11	4	0	0	0	EAC	—
				9506	+17	+59	115	1	1	0	0	0	0	1	0	0	HHX	—
				9504	+08	+81	137	1	1	0	0	0	0	1	0	0	HSX	—
3943	2001 / 06 / 26	2105	43.1	9516	+11	-29	014	1	1	0	0	0	0	1	0	HSX	—	
				9513E*	+23	-27	016	5	1	3	1	2	3	0	0	0	CAI	—
				9514	+16	-16	027	6	1	4	1	2	4	0	0	0	CAI	—
				9513W*	+22	-14	029	7	2	4	1	3	4	0	0	0	DAI	—
				9515	-06	-07	036	11	3	7	1	4	7	0	0	0	DAC	—
				9511	+10	+25	068	8	4	3	1	5	3	0	0	0	DAC	—
				9512	-22	+34	077	19	4	6	1	13	6	0	0	0	EAC	—
				9506	+18	+73	116	1	1	0	0	0	0	1	0	0	HHX	—
3944	2001 / 06 / 27	2110	29.8	9522	-10	-81	309	1	0	1	0	0	0	0	1	AXX	—	
				9518	-49	-48	342	4	1	3	1	1	3	0	0	0	CSI	small
				9516	+11	-16	014	1	1	0	0	0	0	1	0	0	HSX	—
				9513E*	+23	-14	016	4	0	4	1	0	4	0	0	0	BXI	—
				9514	+16	-02	028	3	1	2	1	1	2	0	0	0	CSI	small
				9513W*	+22	-01	029	3	1	2	1	1	2	0	0	0	CSI	—
				9515	-07	+07	037	6	3	3	1	3	3	0	0	0	DSC	—
				9511	+10	+39	069	5	2	2	1	3	2	0	0	0	DAI	—
				9512	-23	+48	078	5	1	3	1	2	3	0	0	0	CAI	—
3945	2001 / 06 / 30	2100	350.2	9526	+09	-79	271	1	0	1	0	0	0	0	1	AXX	—	
				9525	+19	-74	276	1	1	0	0	0	0	1	0	0	HSX	—
				9522	-08	-40	310	1	1	0	0	0	0	1	0	0	HSX	—
				9518/23*	-48	-20	330	5	1	3	1	2	3	0	0	0	CAI	—
				9513E*	+23	+24	014	1	0	1	0	0	0	0	1	0	AXX	—
				9516	+12	+24	014	4	1	3	1	1	3	0	0	0	CSI	—
				9513W*	+22	+41	031	2	1	1	1	1	1	0	0	0	CSO	—
				9515	-06	+50	040	1	1	0	0	0	0	1	0	0	HSX	—

\* GDSO designation.



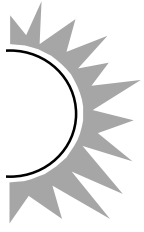
# Georgi Dobrovolski Solar Observatory

## REGION CO-ORDINATES AND CLASSIFICATIONS FOR

### JULY 2001

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 ) .  
 L = Carrington Longitude .

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grp	grf	efp	ef	Class.	Remarks		
3946	2001 / 07 / 01	2055	337.0	9527	-16	-75	262	2	1	0	1	2	0	0	0	HAX	—		
				9526	+09	-66	271	1	0	1	0	0	0	0	0	1	AXX	—	
				9525	+19	-62	275	3	2	1	1	2	1	0	0	0	DSI	—	
				9522	-08	-26	311	2	1	1	1	1	1	0	0	0	CSO	—	
				9523	-49	-13	324	4	2	1	1	3	1	0	0	0	DAI	—	
				9516	+12	+37	014	1	1	0	0	0	0	0	1	0	HSX	—	
				9513	+22	+50	027	1	1	0	0	0	0	0	1	0	HSX	—	
9515	-07	+64	041	2	1	1	1	1	1	1	0	0	0	CSO	—				
3947	2001 / 07 / 02	2115	323.6	9527	-17	-62	262	5	1	2	1	3	2	0	0	CAI	—		
				9528	+04	-61	263	3	1	1	1	2	1	0	0	0	CAO	—	
				9526	+08	-55	269	1	0	1	0	0	0	0	0	1	AXX	—	
				9525	+18	-49	275	4	1	3	1	1	3	0	0	0	CSI	—	
				9522	-08	-14	310	2	1	1	1	1	1	0	0	0	CSO	—	
				9523	-50	+00	324	3	2	0	1	3	0	0	0	0	0	DAO	—
				9516	+11	+52	016	1	1	0	0	0	0	0	1	0	0	HSX	—
3948	2001 / 07 / 03	2115	310.3	9529	+07	-72	238	1	1	0	0	0	0	1	0	HSX	—		
				9527	-17	-51	259	3	1	1	1	2	1	0	0	0	CAO	—	
				9528	+06	-48	262	2	1	0	1	2	0	0	0	0	HAX	—	
				9525	+20	-35	275	1	1	0	0	0	0	1	0	0	HSX	—	
				9523	-48	+12	322	5	2	1	1	4	1	0	0	0	DAI	—	
				?	+19	+22	332	2	0	2	1	0	2	0	0	0	0	BXO	—
				9516	+10	+65	015	1	1	0	0	0	0	0	1	0	0	HSX	—
3949	2001 / 07 / 08	2055	244.3	9531	-06	-21	223	15	3	6	1	9	6	0	0	DAC	—		
				9529	+07	-05	239	7	3	3	1	4	3	0	0	0	DSC	—	
				9527	-17	+15	259	2	1	0	1	2	0	0	0	0	HAX	—	
				9525	+19	+28	272	3	1	1	1	2	1	0	0	0	CAO	—	
				9530	-20	+50	294	3	1	2	1	1	2	0	0	0	CSI	—	

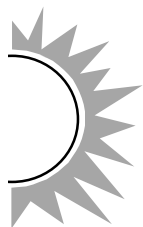


# Georgi Dobrovolski Solar Observatory

## REGION CO-ORDINATES AND CLASSIFICATIONS FOR

### JULY 2001 *continued.*

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3950	2001 / 07 / 09	2105	231.0	9533	-09	-31	200	5	2	2	1	3	2	0	0	DAI	—	
				9531	-06	-09	222	14	5	6	1	8	6	0	0	DAC	—	
				9529	+07	+08	239	4	3	1	1	3	1	0	0	DSC	—	
				9527	-18	+29	260	2	1	0	1	2	0	0	0	HAX	—	
				9532	+08	+55	286	1	0	1	0	0	0	0	0	1	AXX	—
				9530	-20	+63	294	1	0	1	0	0	0	0	0	0	1	AXX
3951	2001 / 07 / 10	2215	217.1	9535	+10	-78	139	1	1	0	0	0	0	1	0	HSX	—	
				9534	+18	-70	147	2	0	2	1	0	2	0	0	BXO	—	
				9533	-09	-19	198	5	2	3	1	2	3	0	0	DSI	—	
				9531	-06	+06	223	11	2	5	1	6	5	0	0	DAI	—	
				9529	+07	+21	238	3	2	1	1	2	1	0	0	DSI	—	
				9527	-18	+42	259	2	1	1	1	1	1	0	0	CSO	small	
3952	2001 / 07 / 11	2115	204.4	9538	+17	-86	118	1	1	0	0	0	0	1	0	HSX	—	
				9535	+06	-65	139	1	1	0	0	0	0	0	1	0	HSX	—
				9536	+11	-42	162	3	1	2	1	1	2	0	0	CSI	—	
				9537	-07	-41	163	8	3	5	1	3	5	0	0	DSC	small	
				9533	-09	-05	199	5	2	3	1	2	3	0	0	DSI	—	
				9531	-06	+18	222	9	2	3	1	6	3	0	0	DAI	—	
				9529	+06	+34	238	3	1	2	1	1	2	0	0	CSI	—	
3953	2001 / 07 / 12	2135	191.0	9541	+15	-83	108	1	1	0	0	0	0	1	0	HSX	—	
				9538	+18	-70	121	1	1	0	0	0	0	0	1	0	HSX	—
				9540	+13	-60	131	1	0	1	0	0	0	0	0	1	AXX	big
				9535	+08	-50	141	1	1	0	0	0	0	0	1	0	HSX	—
				9539	-18	-28	163	8	2	6	1	2	6	0	0	DSI	—	
				9537	-06	-27	164	12	3	8	1	4	8	0	0	DAC	—	
				9536	+12	-25	166	3	1	2	1	1	2	0	0	CSI	—	
				9533	-09	+10	201	4	0	4	1	0	4	0	0	BXI	—	
				9531	-06	+31	222	3	2	0	1	3	0	0	0	0	DAO	—
				9529	+07	+46	237	1	1	0	0	0	0	0	0	1	0	HSX

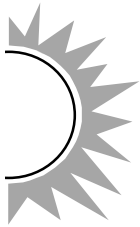


## Georgi Dobrovolski Solar Observatory

### REGION CO-ORDINATES AND CLASSIFICATIONS FOR

### JULY 2001 *continued.*

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3954	2001 / 07 / 13	2120	177.9	9541	+16	-71	107	2	1	1	1	1	1	0	0	CSO	—	
				9538	+16	-58	120	1	1	0	0	0	0	0	1	0	HSX	—
				9540	+13	-44	134	1	0	1	0	0	0	0	0	1	AXX	big
				9535	+05	-37	141	1	1	0	0	0	0	0	1	0	HSX	—
				9539	-19	-13	165	13	3	7	1	6	7	0	0	0	DAC	—
				9537	-08	-13	165	7	2	3	1	4	3	0	0	0	DAI	—
				9536	+11	-11	167	4	0	4	1	0	4	0	0	0	BXI	—
				9533	-09	+24	202	5	2	3	1	2	3	0	0	0	DSI	—
				9531	-06	+45	223	2	1	1	1	1	1	0	0	0	CSO	—
9529	+07	+59	237	1	1	0	0	0	0	0	1	0	HSX	—				
3955	2001 / 07 / 20	2145	85.1	9549	-04	-33	052	9	2	2	1	7	2	0	0	DAI	—	
				9543	-23	-08	077	19	4	5	1	14	5	0	0	EAC	—	
				9546	-16	-05	080	1	1	0	0	0	0	1	0	HSX	—	
				9542	+08	+01	086	3	0	3	1	0	3	0	0	BXI	—	
				9541	+16	+27	112	3	1	1	1	2	1	0	0	CAO	—	
				9538	+17	+36	121	1	1	0	0	0	0	1	0	HHX	—	
				9535	+06	+57	142	1	1	0	0	0	0	1	0	HSX	—	
3956	2001 / 07 / 23	2125	45.6	9553	+13	-36	010	4	2	1	1	3	1	0	0	DAI	—	
				9548	+18	+14	060	4	1	3	1	1	3	0	0	CSI	—	
				?	+14	+28	074	1	0	1	0	0	0	0	1	AXX	—	
				9543	-25	+29	075	27	7	9	1	18	9	0	0	EAC	—	
				9541	+19	+63	109	1	0	1	0	0	0	0	1	AXX	big	
				9545	+08	+70	116	5	1	3	1	2	3	0	0	CAI	—	
				9538	+15	+76	122	1	1	0	0	0	0	1	0	HSX	—	
3957	2001 / 07 / 24	2120	32.4	9555	-09	-56	336	1	0	1	0	0	0	0	1	AXX	—	
				9553	+12	-22	010	11	5	4	1	7	4	0	0	DAC	—	
				9556	-07	+28	060	1	1	0	0	0	0	1	0	HSX	small	
				9548	+17	+30	062	3	1	2	1	1	2	0	0	CSI	—	
				9543	-23	+43	075	18	4	5	1	13	5	0	0	FAC	—	
				?	+24	+46	078	1	1	0	0	0	0	1	0	HSX	small	
9538	+15	+88	120	1	1	0	0	0	0	1	0	HSX	—					



REGION CO-ORDINATES AND CLASSIFICATIONS FOR

JULY 2001 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks
3958	2001 / 07 / 25	2150	18.9	9555	-09	-39	340	1	0	1	0	0	0	0	1	AXX	small
				9553	+13	-09	010	16	2	4	1	12	4	0	0	DAI	—
				9556	-07	+41	060	1	1	0	0	0	0	1	0	HSX	—
				9548	+17	+44	063	1	1	0	0	0	0	1	0	HSX	—
				9543	-23	+57	076	14	4	6	1	8	6	0	0	FAC	—
				9546	-15	+70	089	2	0	2	1	0	2	0	0	BXO	resighted
3959	2001 / 07 / 26	2215	5.4	9557	-18	-73	292	1	1	0	0	0	0	1	0	HSX	—
				9553	+13	+04	009	12	3	4	1	8	4	0	0	DAC	—
				9548	+16	+58	063	1	1	0	0	0	0	1	0	HSX	—
				9543	-24	+69	074	5	3	1	1	4	1	0	0	FAC	—
3960	2001 / 07 / 27	2130	352.6	9557	-18	-60	293	2	1	1	1	1	1	0	0	CSO	—
				9559	-25	-16	337	6	2	3	1	3	3	0	0	DAI	—
				?	+08	+04	357	1	0	1	0	0	0	0	1	AXX	—
				9553	+12	+16	009	11	3	6	1	5	6	0	0	DAC	—
				9548	+16	+69	062	1	1	0	0	0	0	1	0	HSX	—
				9543	-25	+80	073	1	1	0	0	0	0	1	0	HSX	—
3961	2001 / 07 / 29	2140	326.1	9562	+05	-83	243	1	1	0	0	0	0	1	0	HSX	—
				9561	-13	-77	249	1	1	0	0	0	0	1	0	HSX	—
				9557	-20	-37	289	8	3	3	1	5	3	0	0	EAC	—
				9559	-24	+13	339	3	1	2	1	1	2	0	0	CSI	—
3962	2001 / 07 / 31	2105	299.9	9566	+17	-77	223	1	0	1	0	0	0	0	1	AXX	—
				9562	+06	-59	241	7	2	4	1	3	4	0	0	DAI	—
				9561	-12	-50	250	7	2	3	1	4	3	0	0	EAI	small
				9557	-20	-09	291	12	3	6	1	6	6	0	0	EAI	small



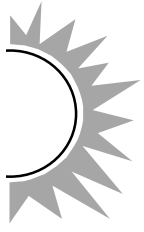
# Georgi Dobrovolski Solar Observatory

## REGION CO-ORDINATES AND CLASSIFICATIONS FOR AUGUST 2001

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 ) .  
 L = Carrington Longitude .

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grp	grf	efp	ef	Class.	Remarks
3963	2001 / 08 / 03	21:35	260.0	9566	+18	-35	225	6	0	6	1	0	6	0	0	BXI	—
				9563	+24	-19	241	16	4	3	1	13	3	0	0	DAC	—
				9562	+04	-17	243	3	2	0	1	3	0	0	0	DAO	—
				9561	-14	-11	249	3	1	2	1	1	2	0	0	CSI	small
				9567	-15	+01	261	9	4	2	1	7	2	0	0	DAC	—
				9557	-20	+25	285	13	4	5	1	8	5	0	0	DAC	—
				9568	-19	+49	309	2	0	2	1	0	2	0	0	BXO	—
				9564	+14	+66	326	4	2	0	1	4	0	0	0	DAO	—
3964	2001 / 08 / 04	21:55	246.6	9569	-18	-24	223	2	1	1	1	1	1	0	0	CSO	small
				9566	+17	-23	224	9	2	2	1	7	2	0	0	DAI	—
				9563	+23	-06	241	27	4	6	1	21	6	0	0	DAC	—
				9562	+05	-04	243	5	2	2	1	3	2	0	0	DAI	—
				9561	-13	+02	249	3	1	2	1	1	2	0	0	CSI	—
				9567	-15	+15	262	12	3	9	1	3	9	0	0	ESC	—
				9565	+03	+18	265	2	1	1	1	1	1	0	0	CSO	tight
				9557	-21	+36	283	22	2	3	1	19	3	0	0	DKI	—
				9568	-18	+60	307	1	1	0	0	0	0	1	0	HSX	—
				9564	+14	+80	327	1	0	1	0	0	0	0	1	AXX	—
3965	2001 / 08 / 07	22:45	206.4	9571	+06	-67	139	1	1	0	0	0	0	1	0	HSX	—
				9570	-11	-46	160	2	1	0	1	2	0	0	0	HAX	—
				9572	+16	-24	182	2	0	2	1	0	2	0	0	BXO	—
				9569	-18	+14	220	10	4	2	1	8	2	0	0	DAC	—
				9566	+17	+17	223	10	2	3	1	7	3	0	0	DAI	—
				9563	+24	+33	239	25	5	6	1	19	6	0	0	EKC	—
				9562	+05	+38	244	1	0	1	0	0	0	0	1	AXX	—
				9561	-11	+47	253	1	1	0	0	0	0	1	0	HSX	—
				9567	-14	+60	266	2	1	1	1	1	1	0	0	CSO	—
				9557	-20	+77	283	7	2	1	1	6	1	0	0	EAI	—



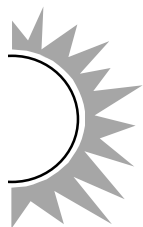


# Georgi Dobrovolski Solar Observatory

## REGION CO-ORDINATES AND CLASSIFICATIONS FOR

### AUGUST 2001 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3966	2001 / 08 / 08	21:20	194.0	9573	-08	-72	122	2	1	0	1	2	0	0	0	HAX	—	
				9571	+06	-54	140	1	1	0	0	0	0	0	1	0	HSX	—
				9570	-10	-33	161	3	1	1	1	2	1	0	0	0	CAO	—
				9572	+16	-10	184	1	0	1	0	0	0	0	0	1	AXX	—
				9569	-18	+26	220	8	2	3	1	5	3	0	0	0	DAI	—
				9566	+17	+31	225	12	3	5	1	7	5	0	0	0	DAC	—
				9563	+24	+46	240	22	6	8	1	14	8	0	0	0	EAC	—
				9562	+05	+54	248	4	1	3	1	1	3	0	0	0	CSI	small
				9561	-11	+61	255	1	1	0	0	0	0	0	1	0	HSX	—
9567	-14	+68	262	3	1	2	1	1	2	0	0	0	CSI	—				
3967	2001 / 08 / 09	22:20	180.2	9573	-09	-59	121	8	3	2	1	6	2	0	0	DAC	—	
				9571	+06	-40	140	1	1	0	0	0	0	1	0	HSX	—	
				9570	-12	-21	159	2	1	0	1	2	0	0	0	HAX	—	
				9572	+16	+05	185	1	1	0	0	0	0	1	0	HSX	—	
				9569	-17	+40	220	9	2	2	1	7	2	0	0	DKI	—	
				9566	+17	+44	224	7	3	2	1	5	2	0	0	0	DAC	—
				9563	+24	+60	240	17	5	4	1	13	4	0	0	0	FAC	—
3968	2001 / 08 / 10	22:00	167.2	9573	-09	-47	120	12	4	3	1	9	3	0	0	DAC	—	
				9571	+07	-26	141	1	1	0	0	0	0	1	0	HSX	—	
				9570	-11	-07	160	4	2	0	1	4	0	0	0	DAO	—	
				9574	-03	-05	162	17	4	4	1	13	4	0	0	0	DAC	—
				9569	-18	+53	220	4	2	1	1	3	1	0	0	0	DAI	—
				9566	+17	+57	224	15	5	6	1	9	6	0	0	0	DAC	—
				9563	+25	+73	240	12	4	5	1	7	5	0	0	0	FAC	—
3969	2001 / 08 / 11	20:40	154.7	9575	+11	-76	079	2	1	0	1	2	0	0	0	HAX	—	
				9573	-09	-36	119	14	4	5	1	9	5	0	0	0	DAC	—
				9571	+04	-14	141	1	1	0	0	0	0	1	0	0	HSX	—
				9578	-10	-05	150	3	0	3	1	0	3	0	0	0	BXI	—
				9577	+16	-01	154	2	0	2	1	0	2	0	0	0	BXO	—
				9570	-12	+04	159	5	2	2	1	3	2	0	0	0	DAI	—
				9574	-04	+07	162	19	4	6	1	13	6	0	0	0	DAC	—
				9576	+12	+50	205	2	2	0	1	2	0	0	0	0	DSO	—
				9569	-18	+65	220	1	1	0	0	0	0	1	0	0	HSX	—
				9566	+17	+69	224	8	2	3	1	5	3	0	0	0	DAI	—
				9563	+26	+80	235	2	2	0	1	2	0	0	0	0	DSO	—

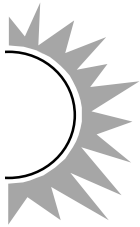


## Georgi Dobrovolski Solar Observatory

### REGION CO-ORDINATES AND CLASSIFICATIONS FOR

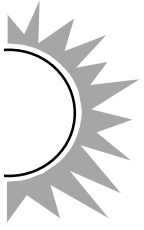
### AUGUST 2001 *continued.*

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks
3970	2001 / 08 / 12	21:05	141.3	9575	+11	-63	078	1	1	0	0	0	0	1	0	HSX	—
				9573	-10	-22	119	12	4	4	1	8	4	0	0	DAC	—
				?	+19	-34	133	2	0	2	1	0	2	0	0	BXO	—
				9571	+06	-00	141	1	1	0	0	0	0	1	0	HSX	—
				9578	-10	+09	150	4	1	3	1	1	3	0	0	CSI	—
				9570	-12	+18	159	5	1	3	1	2	3	0	0	CKI	—
				9574	-04	+22	163	15	4	4	1	11	4	0	0	DKC	—
				9576	+12	+65	206	1	0	1	0	0	0	0	1	AXX	—
				9569	-18	+80	221	1	1	0	0	0	0	1	0	HSX	—
				9566	+17	+82	223	2	2	0	1	2	0	0	0	DSO	—
3971	2001 / 08 / 15	2105	101.6	9582	+32	-76	026	1	0	1	0	0	0	1	AXX	—	
				9580	+25	-64	038	1	1	0	0	0	0	1	0	HSX	—
				9583	-23	-29	073	3	2	0	1	3	0	0	0	DAO	—
				9575	+12	-23	079	2	1	0	1	2	0	0	0	HAX	—
				9581	-28	+06	108	3	1	1	1	2	1	0	0	CAO	—
				9586	-15	+17	119	2	1	1	1	1	1	0	0	CSO	small
				9579	-19	+19	121	2	1	1	1	1	1	0	0	CSO	—
				9573	-08	+20	122	2	1	0	1	2	0	0	0	HAX	—
				?	+07	+21	123	1	0	1	0	0	0	0	1	AXX	—
				9571	+06	+40	142	1	1	0	0	0	0	1	0	HSX	—
				9577	+13	+58	160	4	2	1	1	3	1	0	0	DAI	—
				9570	-12	+57	159	1	1	0	0	0	0	1	0	HSX	—
				9574	-04	+63	165	3	2	1	1	2	1	0	0	ESI	—
3972	2001 / 08 / 18	2110	61.9	9585	+15	-53	009	17	4	3	1	14	3	0	0	DKC	—
				9587	-11	-46	016	1	1	0	0	0	0	1	0	HSX	—
				?	+35	-39	023	1	0	1	0	0	0	0	1	AXX	—
				9584	-13	-39	023	4	1	2	1	2	2	0	0	CAI	—
				9582	+28	-36	026	9	4	3	1	6	3	0	0	DAC	—
				9580	+25	-25	037	1	1	0	0	0	0	1	0	HSX	—
				?	+08	-04	058	1	0	1	0	0	0	0	1	AXX	—
				9575	+11	+09	071	3	1	2	1	1	2	0	0	CSI	—
				9581	-26	+47	109	3	2	1	1	2	1	0	0	DSI	—
				9573	-08	+59	121	1	1	0	0	0	0	1	0	HSX	—
9579	-24	+60	122	4	1	3	1	1	3	0	0	CSI	—				



OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3973	2001 / 08 / 19	2200	48.2	9585	+15	-39	009	18	4	3	1	15	3	0	0	DAC	—	
				9587	-11	-30	018	1	1	0	0	0	0	0	1	0	HSX	small
				9582	+28	-22	026	13	4	4	1	9	4	0	0	0	DAC	—
				9584	-12	-22	026	2	1	0	1	2	0	0	0	0	HAX	small
				9580	+26	-11	037	1	1	0	0	0	0	0	1	0	HSX	—
				9589	+15	+06	054	2	1	1	1	1	1	0	0	0	CSO	—
				9575	+11	+30	078	1	1	0	0	0	0	0	1	0	HHX	—
				9581	-26	+63	111	3	2	0	1	3	0	0	0	0	DAO	—
				9573	-08	+73	121	1	1	0	0	0	0	0	1	0	HSX	—
3974	2001 / 08 / 23	2125	355.7	9591E*	-16	-62	294	1	1	0	0	0	0	1	0	HSX	—	
				9591	-17	-51	305	16	5	5	1	11	5	0	0	FKC	—	
				9595	+16	-43	313	1	0	1	0	0	0	0	1	AXX	—	
				9590	-28	-40	316	2	1	0	1	2	0	0	0	0	HKX	—
				9593	+01	-04	352	2	0	2	1	0	2	0	0	0	BXO	small
				9585	+14	+13	009	15	2	4	1	11	4	0	0	0	DAI	—
				9582	+28	+30	026	2	2	0	1	2	0	0	0	0	DSO	—
				9582S*	+24	+31	027	1	0	1	0	0	0	0	0	1	AXX	—
				9580	+24	+40	036	4	1	3	1	1	3	0	0	0	CSI	—
				9592	-08	+70	066	1	1	0	0	0	0	0	1	0	HSX	—
				9592W*	-07	+78	074	2	1	1	1	1	1	0	0	0	CSO	small
3975	2001 / 08 / 25	2140	329.1	9596	+23	-81	248	1	1	0	0	0	0	1	0	HSX	—	
				9591E*	-18	-36	293	1	1	0	0	0	0	1	0	HSX	small	
				9591	-19	-28	301	26	3	14	1	12	14	0	0	FKC	—	
				9590	-29	-14	315	4	1	2	1	2	2	0	0	0	CAI	—
				9585	+13	+42	011	11	2	7	1	4	7	0	0	0	DAI	—
				9587	-10	+48	017	10	2	6	1	4	6	0	0	0	DAI	—
				9580	+24	+31	035	2	1	0	1	2	0	0	0	0	HAX	—

\* GDSO designation



## Georgi Dobrovolski Solar Observatory

### REGION CO-ORDINATES AND CLASSIFICATIONS FOR AUGUST 2001 *continued.*

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks			
3976	2001/08/26	2115	316.2	9596	+22	-69	247	1	1	0	0	0	0	1	0	HSX	—			
				9591E*	-18	-23	293	1	0	1	0	0	0	0	0	1	AXX	—		
				9591	-19	-15	301	41	6	14	1	6	14	1	27	14	0	0	FKC	—
				9590	-29	-00	316	3	1	1	1	1	1	2	1	1	0	0	CSO	class correct
				9585	+12	+56	012	5	2	2	1	2	2	1	3	2	0	0	DAI	—
				9587	-10	+62	018	9	2	3	1	2	3	1	6	3	0	0	DAI	—
				9580	+23	+80	036	1	1	0	0	1	0	0	0	0	1	0	HSX	—
3977	2001/08/27	2105	303.0	9601	+10	-87	216	1	1	0	0	0	0	1	0	HSX	small			
				9600	+16	-83	220	2	2	0	1	2	0	2	0	0	0	DSO	—	
				9599	-18	-67	236	2	2	0	1	2	0	2	0	0	0	DSO	—	
				9596	+22	-56	247	1	1	0	0	1	0	0	0	1	0	HSX	big	
				9597	+16	-37	266	4	2	1	1	2	1	3	1	1	0	0	DAI	—
				9591E*	-17	-11	292	3	0	3	1	0	3	1	0	3	0	0	BXI	—
				9591	-18	-03	300	33	5	8	1	5	8	1	25	8	0	0	FKC	—
				9590	-29	+12	315	2	1	0	1	1	0	2	2	0	0	0	HSX	class correct
				9585	+13	+69	012	4	2	2	1	2	2	1	2	2	0	0	DSI	—
				9598	-16	+73	016	1	0	1	0	0	1	0	0	0	0	1	AXX	—
				9587	-09	+76	019	6	2	0	1	2	0	1	6	0	0	0	DAO	—

\* GDSO designation



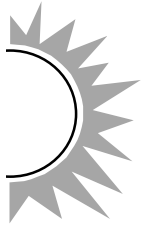
# Georgi Dobrovolski Solar Observatory

## REGION CO-ORDINATES AND CLASSIFICATIONS FOR SEPTEMBER 2001

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 ) .  
 L = Carrington Longitude .

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grp	grf	efp	ef	Class.	Remarks	
3978	2001 / 09 / 02	2225	223.0	9605	-20	-67	156	2	1	1	1	1	1	0	0	CSO	small	
				9603	-08	-66	157	1	1	0	0	0	0	0	1	0	HSX	—
				9602	-08	-20	203	3	1	1	1	2	1	0	0	0	CAO	—
				9601	+14	-10	213	72	9	19	1	53	19	0	0	0	FKC	—
				9599	-18	+12	235	4	2	0	1	4	0	0	0	0	DAO	—
				9596	+22	+21	244	2	1	0	1	2	0	0	0	0	HAX	—
				9591	-18	+63	286	8	2	2	1	6	2	0	0	0	EKI	—
3979	2001 / 09 / 07	2040	158.0	9610	-13	-62	096	10	2	3	1	7	3	0	0	DAI	—	
				9608	-26	-47	111	34	8	16	1	18	16	0	0	FKC	—	
				9612	+22	-42	116	4	2	1	1	3	1	0	0	DAI	—	
				9607	-16	-31	127	15	3	5	1	10	5	0	0	DAC	—	
				9607W*	-15	-24	134	2	1	0	1	2	0	0	0	HAX	—	
				9605/06	-18	-04	154	23	7	8	1	15	8	0	0	0	EAC	—
				?	+11	+01	159	1	0	1	0	0	0	0	0	1	AXX	—
				9611	+10	+21	179	5	1	3	1	2	3	0	0	0	CAI	—
				9613	-17	+50	208	1	1	0	0	0	0	1	0	0	HSX	—
				9601	+13	+62	220	16	6	4	1	12	4	0	0	0	EKC	—
9609	-06	+65	223	1	1	0	0	0	0	1	0	0	HSX	—				
3980	2001 / 09 / 08	2045	144.7	9610	-14	-51	094	9	3	2	1	7	2	0	0	DAC	—	
				9608	-26	-36	109	37	8	7	1	30	7	0	0	FKC	—	
				9612	+22	-30	115	4	2	2	1	2	2	0	0	DSI	—	
				9607	-17	-21	124	15	5	5	1	10	5	0	0	DAC	—	
				9607W*	-16	-14	131	4	1	3	1	1	3	0	0	CSI	—	
				9605/06	-18	+08	153	23	7	9	1	14	9	0	0	0	EAC	—
				9611	+10	+34	179	10	3	2	1	8	2	0	0	0	DAC	—
				9613	-17	+65	210	3	1	2	1	1	2	0	0	0	CSI	—
9601	+13	+76	221	5	3	2	1	3	2	0	0	0	EAC	—				

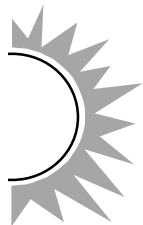
\* = GDSO designation



REGION CO-ORDINATES AND CLASSIFICATIONS FOR  
**SEPTEMBER 2001 continued.**

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3981	2001 / 09 / 09	2050	131.5	9615	+11	-51	080	1	0	1	0	0	0	0	1	AXX	—	
				9610	-14	-36	095	21	6	11	1	10	11	0	0	EAC	—	
				9608	-27	-20	111	39	9	13	1	26	13	0	0	FKC	—	
				9612	+21	-14	117	6	1	5	1	1	5	0	0	CSI	—	
				9607	-17	-06	125	14	2	8	1	6	8	0	0	DAI	—	
				9607W*	-16	+01	132	4	1	2	1	2	2	0	0	CAI	—	
				9605/06	-18	+23	154	17	3	13	1	4	13	0	0	DAC	—	
				9611	+10	+49	180	13	3	3	1	10	3	0	0	DAC	—	
				9613	-17	+80	211	1	1	0	0	0	0	0	1	0	HSX	—
3982	2001 / 09 / 11	2055	105.0	9616	-12	-80	025	1	1	0	0	0	0	1	0	HSX	—	
				9610	-14	-10	095	29	6	8	1	21	8	0	0	EKC	—	
				9608	-27	+05	110	34	6	11	1	23	11	0	0	FKC	—	
				9612	+22	+11	116	9	3	2	1	7	2	0	0	DAC	—	
				9607	-17	+22	127	4	1	3	1	1	3	0	0	CAI	class correct	
				9606	-19	+48	153	1	1	0	0	0	0	0	1	0	HSX	—
				9611	+09	+74	179	6	2	1	1	5	1	0	0	EAI	—	
3983	2001 / 09 / 12	2110	91.7	9617	+10	-73	019	4	2	1	1	3	1	0	0	DAI	—	
				9616	-11	-71	021	10	4	3	1	7	3	0	0	DAC	—	
				9610	-13	+03	095	28	4	11	1	17	11	0	0	EAC	—	
				9618	-21	+10	102	3	1	2	1	1	2	0	0	CSI	—	
				9608	-26	+16	108	29	6	12	1	17	12	0	0	FKC	—	
				9612	+22	+24	116	4	2	2	1	2	2	0	0	DSI	—	
				9607	-16	+37	129	5	1	3	1	2	3	0	0	CAI	—	
				9606	-17	+62	154	1	1	0	0	0	0	0	1	0	HSX	—
3984	2001 / 09 / 17	2235	24.9	9624	+03	-71	314	2	1	0	1	2	0	0	0	HAX	—	
				9620/21	+15	-60	325	6	3	2	1	4	2	0	0	DAC	—	
				9623	+21	-47	338	1	1	0	0	0	0	1	0	HSX	—	
				9622	+12	-35	350	2	2	0	1	2	0	0	0	DSO	—	
				9617	+08	-05	020	1	1	0	0	0	0	1	0	HSX	—	
				9616	-12	-04	021	9	3	5	1	4	5	0	0	DAC	—	
				9625	-30	-03	022	1	0	1	0	0	0	0	1	AXX	big	
				9619	+15	+28	053	4	1	2	1	2	2	0	0	CAI	—	
				9608	-29	+74	099	3	3	0	1	3	0	0	0	EHC	—	
				9610	-12	+74	099	3	1	1	1	2	1	0	0	CAO	—	

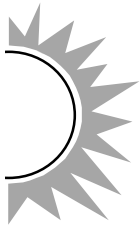
\* = GDSO designation



REGION CO-ORDINATES AND CLASSIFICATIONS FOR  
**SEPTEMBER 2001 continued.**

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3985	2001 / 09 / 20	2050	346.2	9632	-18	-78	268	7	2	3	1	4	3	0	0	DKI	—	
				9628	-18	-53	293	29	4	5	1	24	5	0	0	FAC	—	
				9627	+04	-46	300	3	2	0	1	3	0	0	0	DAO	—	
				9624	+03	-30	316	1	1	0	0	0	0	1	0	HSX	—	
				9629	+26	-25	321	6	2	0	1	6	0	0	0	DAO	—	
				9620/21	+14	-21	325	15	3	4	1	11	4	0	0	DAC	—	
				9626	+26	-16	330	3	0	3	1	0	3	0	0	BXI	—	
				9623	+21	-06	340	1	0	1	0	0	0	0	0	1	AXX	—
				9622	+13	+03	349	11	2	2	1	9	2	0	0	0	DAI	—
				9631	+08	+13	359	10	3	2	1	8	2	0	0	0	DAC	—
				9616E*	-12	+30	016	4	1	1	1	3	1	0	0	0	CAO	—
				9625	-28	+34	020	1	0	1	0	0	0	0	0	1	AXX	—
				9616W*	-11	+41	027	2	1	0	1	2	0	0	0	0	HAX	—
3986	2001 / 09 / 22	2135	319.4	9634	+12	-77	242	2	2	0	1	2	0	0	0	DSO	—	
				9633	+23	-76	243	1	1	0	0	0	0	1	0	HSX	—	
				9632	-18	-46	273	10	3	0	1	10	0	0	0	DKC	—	
				9628	-17	-26	293	36	8	9	1	27	9	0	0	FAC	—	
				9627	+02	-18	301	4	1	2	1	2	2	0	0	CAI	—	
				9624	+03	-01	318	1	1	0	0	0	0	1	0	HSX	—	
				9629	+26	+01	320	7	2	3	1	4	3	0	0	DAI	—	
				9620/21	+14	+06	325	8	3	4	1	4	4	0	0	DSC	—	
				9622	+12	+31	350	17	5	6	1	11	6	0	0	DAC	—	
				9631	+08	+42	001	6	2	4	1	2	4	0	0	DSI	—	
				9616E*	-12	+57	016	4	2	2	1	2	2	0	0	0	DSI	—
				9616W*	-11	+68	027	1	1	0	0	0	0	0	1	0	HSX	—
				3987	2001 / 09 / 23	2240	305.6	9636	+12	-78	228	1	1	0	0	0	0	1
9634	+12	-69	237					2	2	0	1	2	0	0	0	DSO	—	
9633	+23	-63	243					1	1	0	0	0	0	1	0	HSX	—	
9632	-18	-33	273					14	3	2	1	12	2	0	0	DKC	—	
9628	-18	-13	293					42	10	13	1	29	13	0	0	FAC	—	
9627	+01	-04	302					8	3	5	1	3	5	0	0	DSC	small	
9624	+02	+12	318					1	1	0	0	0	0	1	0	HSX	—	
9629	+25	+14	320					3	1	1	1	2	1	0	0	CAO	—	
9620/21	+13	+19	325					10	2	6	1	4	6	0	0	DAI	—	
9622	+13	+44	350					14	4	5	1	9	5	0	0	DAC	—	
9616	-12	+72	018					3	1	2	1	1	2	0	0	0	CSI	—

\* = GDSO designation

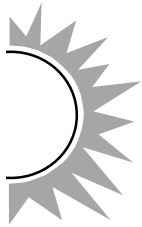


**Georgi Dobrovolski Solar Observatory**

**REGION CO-ORDINATES AND CLASSIFICATIONS FOR  
SEPTEMBER 2001 continued.**

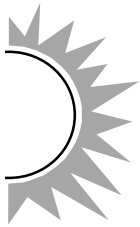
OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3988	2001 / 09 / 24	2020	293.7	9637	-14	-74	220	3	2	0	1	3	0	0	0	DAO	—	
				9636	+12	-68	226	5	2	1	1	4	0	0	0	0	DAI	—
				9634	+12	-57	237	2	2	0	1	2	0	0	0	0	DSO	—
				9633	+22	-53	241	1	1	0	0	0	0	0	1	0	HSX	—
				9632	-19	-22	272	15	2	5	1	10	5	0	0	0	DKI	—
				9635	+21	-05	289	5	2	3	1	2	3	0	0	0	DSI	—
				9628	-18	-02	292	41	7	12	1	29	12	0	0	0	FAC	—
				9627	+01	+08	302	11	4	5	1	6	5	0	0	0	DAC	—
				9624	+03	+23	317	2	1	0	1	2	0	0	0	0	HAX	—
				9629	+26	+25	319	1	1	0	0	0	0	0	1	0	HSX	—
				9620/21	+13	+31	325	4	2	1	1	3	1	0	0	0	DAI	—
				9622	+13	+56	350	6	2	1	1	5	1	0	0	0	DAI	—
3989	2001 / 09 / 25	2105	280.1	9638	+03	-63	217	1	0	1	0	0	0	0	1	AXX	big	
				9637	-15	-61	219	5	2	2	1	3	2	0	0	0	DAI	—
				9636	+13	-56	224	11	7	2	1	9	2	0	0	0	DAC	—
				9639	+04	-51	229	2	1	1	1	1	1	0	0	0	CSO	—
				9634	+12	-43	237	5	2	3	1	2	3	0	0	0	DSI	—
				9633	+22	-38	242	1	1	0	0	0	0	0	1	0	HSX	—
				9632	-19	-08	272	17	3	4	1	13	4	0	0	0	DKC	—
				9628	-18	+12	292	37	5	15	1	22	15	0	0	0	FKC	—
				9635	+21	+10	290	9	2	5	1	4	5	0	0	0	DAI	—
				9627	+02	+22	302	14	2	11	1	3	11	0	0	0	DAI	small
				9624	+03	+38	318	1	1	0	0	0	0	0	1	0	HSX	—
				9629	+26	+40	320	1	0	1	0	0	0	0	0	1	AXX	small
9620/21	+13	+45	325	4	2	0	1	4	0	0	0	0	DAO	—				
9622	+13	+71	351	3	2	1	1	2	1	0	0	0	DSI	—				





REGION CO-ORDINATES AND CLASSIFICATIONS FOR  
**SEPTEMBER 2001 continued.**

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks		
3990	2001 / 09 / 26	2010	267.4	9640	+10	-81	186	1	0	1	0	0	0	0	1	AXX	—		
				9638	+03	-50	217	1	0	1	0	0	0	0	0	0	1	AXX	big
				9637	-15	-48	219	4	2	0	1	4	0	0	0	0	0	DAO	—
				9636	+14	-43	224	19	4	8	1	11	8	0	0	0	0	EAC	—
				9639	+04	-38	229	3	1	2	1	1	2	0	0	0	0	CSI	—
				9634	+12	-26	241	4	2	2	1	2	2	0	0	0	0	DSI	—
				9633	+22	-26	241	1	1	0	0	0	0	0	1	0	0	HSX	—
				9632	-19	+06	273	15	3	4	1	11	4	0	0	0	0	DKC	—
				9628	-18	+23	290	33	6	7	1	26	7	0	0	0	0	FKC	—
				9635	+21	+23	290	5	2	2	1	3	2	0	0	0	0	DAI	—
				9627	+01	+35	302	2	0	2	1	0	2	0	0	0	0	BXO	—
				9624	+02	+52	319	1	1	0	0	0	0	0	1	0	0	HSX	—
				9620/21	+13	+59	326	3	2	0	1	3	0	0	0	0	0	DAO	—
3991	2001 / 09 / 27	2025	254.1	9641	-14	-79	175	1	1	0	0	0	0	1	0	HSX	—		
				9640	+10	-69	185	1	0	1	0	0	0	0	0	1	AXX	—	
				9637	-14	-34	220	9	3	3	1	6	3	0	0	0	DAC	—	
				9636	+13	-28	226	21	5	11	1	10	11	0	0	0	EAC	—	
				9639	+04	-23	231	7	2	2	1	5	2	0	0	0	DAI	—	
				9634	+12	-13	241	8	3	3	1	5	3	0	0	0	DAC	—	
				9633	+22	-12	242	2	1	0	1	2	0	0	0	0	HAX	—	
				9632	-19	+19	273	16	3	4	1	12	4	0	0	0	DKC	—	
				9628	-18	+35	289	31	6	11	1	20	11	0	0	0	FKC	—	
				9635	+21	+36	290	7	2	5	1	2	5	0	0	0	DSI	—	
				9624	+03	+65	319	1	1	0	0	0	0	0	1	0	HSX	—	
				9620/21	+13	+73	327	2	2	0	1	2	0	0	0	0	DSO	—	
				3992	2001 / 09 / 28	2100	240.6	9641	-14	-63	178	1	1	0	0	0	0	1	0
9640	+10	-58	183					1	1	0	0	0	0	0	1	0	HSX	small	
9637	-15	-20	221					9	3	4	1	5	4	0	0	0	DAC	—	
9636	+14	-15	226					20	5	8	1	12	8	0	0	0	EAC	—	
9639	+03	-10	231					8	2	5	1	3	5	0	0	0	DAI	—	
9634	+12	+00	241					8	2	4	1	4	4	0	0	0	DAI	—	
9633	+22	+00	241					1	1	0	0	0	0	0	1	0	HSX	—	
9632	-18	+31	272					15	3	3	1	12	3	0	0	0	DKC	—	
9628	-18	+46	287					22	5	5	1	17	5	0	0	0	FKC	—	
9635	+21	+49	290					5	2	1	1	4	1	0	0	0	DAI	—	
9624	+03	+78	319					1	1	0	0	0	0	0	1	0	HSX	—	
9621	+15	+82	323					1	1	0	0	0	0	0	1	0	HSX	—	



## Georgi Dobrovolski Solar Observatory

### REGION CO-ORDINATES AND CLASSIFICATIONS FOR SEPTEMBER 2001 *continued.*

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3993	2001 / 09 / 29	2015	227.8	9642	+03	-74	154	2	0	2	1	0	2	0	0	BXO	—	
				9640	+10	-44	184	1	0	1	0	0	0	0	0	1	AXX	—
				9641	-14	-50	178	1	1	0	0	0	0	0	1	0	HSX	—
				?	-10	-30	198	1	0	1	0	0	0	0	0	1	AXX	small
				9637	-13	-09	219	10	2	5	1	5	5	0	0	0	DAI	—
				9643	-25	-02	226	3	1	2	1	1	2	0	0	0	CSI	—
				9636	+13	-01	227	33	6	12	1	21	12	0	0	0	FAC	—
				9639	+03	+03	231	6	1	5	1	1	5	0	0	0	CSI	—
				9634	+12	+12	240	1	1	0	0	0	0	0	1	0	HSX	small
				9633	+22	+13	241	2	1	0	1	2	0	0	0	0	HAX	—
				9632	-19	+45	273	15	2	2	1	13	2	0	0	0	DKI	—
				9628	-17	+59	287	21	4	5	1	16	5	0	0	0	FKC	—
				9635	+22	+62	290	7	2	2	1	5	2	0	0	0	DAI	—
3994	2001 / 09 / 30	2015	214.6	9642	+04	-59	156	1	1	0	0	0	0	1	0	HRX	—	
				9641	-15	-41	174	5	1	3	1	2	3	0	0	CAI	—	
				9640	+10	-29	186	2	0	2	1	0	2	0	0	BXO	very close	
				?	-16	-22	193	1	0	1	0	0	0	0	1	AXX	small	
				9638	+03	+02	217	1	0	1	0	0	0	0	1	AXX	—	
				9637	-13	+04	219	4	2	1	1	3	1	0	0	0	DAI	—
				9643	-25	+11	226	3	0	3	1	0	3	0	0	0	BXI	—
				9636	+14	+12	227	29	9	8	1	21	8	0	0	0	FAC	—
				9639	+04	+17	232	5	1	3	1	2	3	0	0	0	CAI	—
				9633	+22	+26	241	2	1	1	1	1	1	0	0	0	CSO	—
				9632	-18	+58	273	12	2	3	1	9	3	0	0	0	DKI	—
				9628	-17	+73	288	14	4	4	1	10	4	0	0	0	FKC	—
				9635	+22	+75	290	2	2	0	1	2	0	0	0	0	DSO	—



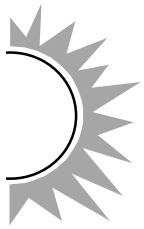
# Georgi Dobrovolski Solar Observatory

## REGION CO-ORDINATES AND CLASSIFICATIONS FOR

### OCTOBER 2001

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 ) .  
 L = Carrington Longitude .

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grp	grf	efp	ef	Class.	Remarks		
3995	2001 / 10 / 03	1945	175.3	9650	-12	-74	101	2	2	0	1	2	0	0	0	DSO	—		
				9648	-05	-66	109	2	2	0	1	2	0	0	0	0	DSO	—	
				?	-24	-58	117	1	0	1	0	0	0	0	0	1	AXX	—	
				9642	+05	-17	158	1	1	0	0	0	0	0	1	0	HSX	—	
				9646	+12	-14	161	2	0	2	1	0	2	0	0	0	BXO	—	
				9651	-22	-03	172	1	0	1	0	0	0	0	0	0	1	AXX	—
				9641	-14	+04	179	4	1	3	1	1	3	0	0	0	0	CSI	—
				9640	+10	+11	186	1	0	1	0	0	0	0	0	0	1	AXX	—
				9645	-18	+25	200	10	3	4	1	6	4	0	0	0	0	DAC	—
				9637	-15	+47	222	3	2	1	1	2	1	0	0	0	0	DAO	class correct
				9636	+13	+54	229	11	4	3	1	8	3	0	0	0	0	DAC	—
				9639	+04	+62	237	1	1	0	0	0	0	0	1	0	0	HSX	small
9633	+21	+66	241	2	1	0	1	2	0	0	0	0	0	HAX	—				
3996	2001 / 10 / 09	2105	95.38	9658	-14	-69	026	3	2	0	1	3	0	0	0	DAO	—		
				9657	+23	-59	036	1	1	0	0	0	0	1	0	0	HSX	—	
				9660	+12	-36	059	1	0	1	0	0	0	0	0	1	AXX	—	
				9655	-22	-27	069	3	1	1	1	2	1	0	0	0	CAO	—	
				9653	-22	-12	083	9	3	3	1	6	3	0	0	0	DAC	—	
				9650	-16	+06	101	8	2	5	1	3	5	0	0	0	DAI	—	
				9648	-07	+19	114	4	1	2	1	2	2	0	0	0	CAI	—	
3997	2001 / 10 / 10	2145	81.8	9661	+12	-78	004	3	2	0	1	3	0	0	0	DKO	—		
				9662	+09	-57	025	1	0	1	0	0	0	0	0	1	AXX	—	
				9658	-14	-57	025	6	3	1	1	5	1	0	0	0	DAC	—	
				9657	+23	-46	036	4	2	1	1	3	1	0	0	0	DAI	—	
				9660	+12	-22	060	1	1	0	0	0	0	1	0	0	HSX	—	
				9659	+04	-21	061	2	1	1	1	1	1	0	0	0	CSO	—	
				9655	-21	-14	068	4	1	2	1	2	2	0	0	0	CAI	—	
				9653	-21	+00	082	14	4	4	1	10	4	0	0	0	DAC	—	
				9650	-15	+19	101	2	1	1	1	1	1	0	0	0	CSO	—	
				9648	-07	+32	114	2	1	0	1	2	0	0	0	0	HAX	—	



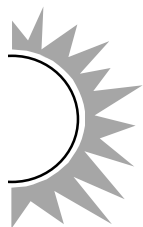
# Georgi Dobrovolski Solar Observatory

## REGION CO-ORDINATES AND CLASSIFICATIONS FOR

### OCTOBER 2001 *continued.*

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
3998	2001 / 10 / 11	1950	69.7	9661	+16	-72	358	8	2	1	1	7	1	0	0	DKI	—	
				9663	-13	-70	000	1	1	0	0	0	0	0	1	0	HSX	—
				9658E*	-16	-52	018	1	1	0	0	0	0	0	1	0	HSX	—
				9662	+09	-45	025	4	1	2	1	2	2	0	0	0	CAI	—
				9658W*	-15	-43	027	7	3	3	1	4	3	0	0	0	DAC	—
				9664	+07	-32	038	1	1	0	0	0	0	0	1	0	HSX	—
				9657	+19	-26	044	4	1	3	1	1	3	0	0	0	CSI	—
				9660	+12	-18	052	5	2	2	1	3	2	0	0	0	DAI	—
				9655	-22	-03	067	4	1	2	1	2	2	0	0	0	CAO	class correct
				9653	-22	+11	081	7	3	2	1	5	2	0	0	0	DAC	—
9648	-07	+45	115	1	0	1	0	0	0	0	0	1	AXX	big				
3999	2001 / 10 / 12	2025	56.2	9661	+14	-57	359	12	3	3	1	9	3	0	0	DKC	—	
				9663	-14	-54	002	1	1	0	0	0	0	1	0	HSX	—	
				9658E*	-16	-38	018	3	1	2	1	1	2	0	0	CSI	—	
				9662	+08	-31	025	3	1	1	1	2	1	0	0	CAO	—	
				9658W*	-15	-29	027	6	2	3	1	3	3	0	0	DAI	—	
				9657	+23	-20	036	1	1	0	0	0	0	1	0	HRX	—	
				9660	+13	+04	060	3	1	2	1	1	2	0	0	0	CSI	—
				9655	-21	+12	068	3	1	1	1	2	1	0	0	0	CAO	—
				9653	-22	+25	081	6	2	2	1	4	2	0	0	0	DAI	—
4000	2001 / 10 / 16	1925	4.0	9670	-16	-70	294	1	1	0	0	0	0	1	0	HSX	—	
				9669	+13	-60	304	7	3	2	1	5	2	0	0	EAC	—	
				9671	+15	-48	316	1	0	1	0	0	0	0	1	AXX	big	
				9667	+24	-50	314	5	2	2	1	3	2	0	0	0	DAI	—
				9661	+16	-07	357	32	3	12	1	20	12	0	0	0	EKC	—
				9666	-11	-08	356	1	1	0	0	0	0	1	0	0	HSX	—
				9663	-16	+02	006	6	1	5	1	1	5	0	0	0	CSI	—
				9662	+10	+21	025	13	2	9	1	4	9	0	0	0	DAI	—
				9658E*	-16	+14	018	2	2	0	1	2	0	0	0	0	DSO	—
				9658W*	-14	+24	028	1	0	1	0	0	0	0	1	0	AXX	—
				9659	+07	+61	065	1	1	0	0	0	0	1	0	0	HSX	—

\* GDSO designation.

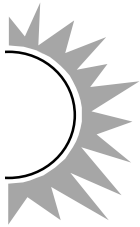


## Georgi Dobrovolski Solar Observatory

### REGION CO-ORDINATES AND CLASSIFICATIONS FOR

### OCTOBER 2001 *continued.*

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
4001	2001 / 10 / 20	1945	311.0	9676	+13	-72	239	2	1	1	1	1	1	0	0	CSO	—	
				9675	-14	-71	240	2	1	1	1	1	1	1	0	0	CSO	—
				9673	+03	-48	263	1	1	0	0	0	0	0	1	0	HHX	—
				9672	-20	-42	269	8	2	2	1	6	2	0	0	0	DAI	—
				9674	-08	-22	289	6	2	1	1	5	1	0	0	0	DAO	class correct
				9670	-19	-21	290	13	2	3	1	10	3	0	0	0	FHO	—
				9669	+14	-03	308	17	4	7	1	10	7	0	0	0	DAC	—
				9671	+15	+07	318	11	5	4	1	7	4	0	0	0	DAC	—
				9667	+26	+08	319	3	1	1	1	2	1	0	0	0	CAO	—
				9661	+15	+46	357	7	3	2	1	5	2	0	0	0	DHC	—
				9658	-15	+71	022	2	1	1	1	1	1	0	0	0	CSO	—
				9662	+11	+79	030	2	1	1	1	1	1	0	0	0	CSO	—
4002	2001 / 10 / 22	1940	284.7	9677	+20	-52	233	2	1	1	1	1	1	0	0	CSO	—	
				9676	+15	-49	236	2	1	1	1	1	1	0	0	0	CSO	—
				9675	-15	-48	237	3	1	2	1	1	2	0	0	0	CSI	—
				9673	+02	-22	263	5	1	3	1	2	3	0	0	0	CAI	—
				9672	-18	-17	268	15	2	4	1	11	4	0	0	0	DKI	—
				9670	-18	+03	288	18	3	4	1	14	4	0	0	0	FAO	—
				9669	+14	+20	305	8	2	4	1	4	4	0	0	0	DAI	—
				9667	+25	+32	317	1	1	0	0	0	0	1	0	0	HSX	—
				9671	+13	+35	320	3	1	1	1	2	1	0	0	0	CAO	—
				9661	+14	+72	357	6	2	3	1	3	3	0	0	0	DAI	—
4003	2001 / 10 / 24	1940	258.3	9682	+09	-86	172	2	1	0	1	2	0	0	0	HKX	big	
				9679	-11	-49	209	4	2	2	1	2	2	0	0	0	DSI	small
				9678	+07	-37	221	21	5	4	1	17	4	0	0	0	DAC	—
				9677	+19	-22	236	8	2	1	1	7	1	0	0	0	DAI	—
				9676	+16	-21	237	1	1	0	0	0	0	1	0	0	HSX	—
				9681	-25	-21	237	2	0	2	1	0	2	0	0	0	BXO	—
				9675	-13	-18	240	1	1	0	0	0	0	1	0	0	HSX	—
				9673	+02	+06	264	4	1	1	1	3	1	0	0	0	CAO	—
				9672	-19	+10	268	16	2	4	1	12	4	0	0	0	DKI	—
				9670	-18	+31	289	18	5	6	1	12	6	0	0	0	FAO	class correct
				9669	+14	+48	306	3	1	2	1	1	2	0	0	0	CSI	—



# Georgi Dobrovolski Solar Observatory

## REGION CO-ORDINATES AND CLASSIFICATIONS FOR

### OCTOBER 2001 *continued.*

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks
4004	2001 / 10 / 28	1935	205.6	9684	+06	-73	133	7	3	2	1	5	2	0	0	DHC	—
				9682	+12	-36	170	25	2	5	1	20	5	0	0	EKI	—
				?	+03	-35	171	1	0	1	0	0	0	0	1	AXX	—
				9683	+28	-05	201	3	0	3	1	0	3	0	0	BXI	—
				9680	+22	+03	209	1	0	1	0	0	0	0	1	AXX	—
				9679	-09	+03	209	8	1	6	1	2	6	0	0	CAI	—
				9678	+07	+17	223	23	3	7	1	16	7	0	0	FKC	—
				9676	+15	+31	237	1	1	0	0	0	0	1	0	HSX	—
				9681	-24	+33	239	1	1	0	0	0	0	1	0	HSX	—
				9673	+05	+59	265	1	1	0	0	0	0	1	0	HSX	—
9672	-18	+63	269	4	1	3	1	1	3	0	0	CHI	—				
4005	2001 / 10 / 29	2030	191.9	9684	+06	-57	135	10	3	5	1	5	5	0	0	DHC	—
				9682	+12	-21	171	35	3	6	1	29	6	0	0	EKC	—
				9683	+28	+11	203	4	0	4	1	0	4	0	0	BXI	—
				9679	-10	+18	210	5	1	4	1	1	4	0	0	CSI	—
				9678	+08	+31	223	13	3	4	1	9	4	0	0	EKI	class correct
				9676	+15	+46	238	2	1	1	1	1	1	0	0	CSO	—
				9681	-23	+48	240	2	1	0	1	2	0	0	0	HAX	—
				9673	+05	+73	265	1	1	0	0	0	0	1	0	HSX	—
9672	-18	+78	270	1	1	0	0	0	0	1	0	HHX	—				
4006	2001 / 10 / 31	1940	166.0	9685	+05	-71	095	2	1	1	1	1	1	0	0	CSO	—
				9686	+16	-71	095	1	0	1	0	0	0	0	1	AXX	—
				9684	+06	-32	134	12	3	5	1	7	5	0	0	DHC	—
				9682	+11	+07	173	41	3	9	1	32	9	0	0	EKC	—
				9678	+06	+58	224	11	2	2	1	9	2	0	0	DAI	—



# Georgi Dobrovolski Solar Observatory

## REGION CO-ORDINATES AND CLASSIFICATIONS FOR

## NOVEMBER 2001

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 .

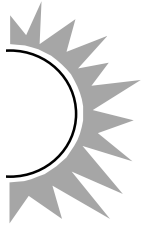
B = Heliographic Latitude ( + if NORTH , - if SOUTH ) .

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

L = Carrington Longitude .

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grp	grf	efp	ef	Class.	Remarks	
4007	2001 / 11 / 03	1945	126.4	9688	+25	-73	053	1	1	0	0	0	0	1	0	HSX	—	
				9687	-19	-52	074	16	6	5	1	11	5	0	0	FAC	—	
				9685	+05	-30	096	7	2	3	1	4	3	0	0	DAI	—	
				?	+10	-01	125	1	0	1	0	0	0	0	0	1	AXX	—
				9684	+05	+12	138	20	3	4	1	16	4	0	0	0	DKC	—
				9682	+12	+47	173	21	4	6	1	15	6	0	0	0	EKC	—
4008	2001 / 11 / 04	2020	112.9	9688E*	+27	-73	040	3	1	1	1	2	1	0	0	CAO	—	
				9688W*	+25	-62	051	1	1	0	0	0	0	1	0	HSX	—	
				9687	-20	-38	075	26	7	8	1	18	8	0	0	FAC	—	
				9689	-28	-18	095	6	2	3	1	3	3	0	0	DAI	—	
				9685	+04	-17	096	11	2	8	1	3	8	0	0	DAI	—	
				9684	+05	+25	138	15	2	3	1	12	3	0	0	0	DKI	—
4009	2001 / 11 / 05	1940	100.1	9690	-18	-74	026	9	2	2	1	7	2	0	0	EKI	—	
				9688E	+27	-60	040	1	1	0	0	0	0	1	0	HSX	—	
				9688W	+25	-48	052	1	1	0	0	0	0	1	0	HSX	small	
				?	+03	-31	069	1	0	1	0	0	0	0	1	AXX	—	
				9687	-20	-23	077	25	6	8	1	17	8	0	0	FAC	—	
				9689	-28	-05	095	7	4	2	1	6	2	0	0	0	DAC	—
				9685	+05	-02	098	9	2	5	1	4	5	0	0	0	DAI	—
				9684	+07	+37	137	13	2	4	1	9	4	0	0	0	DKI	—
				9682	+13	+72	172	8	2	2	1	6	2	0	0	0	DKI	—
4010	2001 / 11 / 09	2030	46.87	9694	+13	-54	353	1	1	0	0	0	0	1	0	HSX	—	
				?	+13	-42	005	1	0	1	0	0	0	0	1	AXX	—	
				9691	+07	-39	008	1	1	0	0	0	0	1	0	HSX	—	
				9690	-18	-19	028	53	10	15	1	38	15	0	0	0	FKC	—
				9688	+25	+05	052	4	1	3	1	1	3	0	0	0	CSI	—
				9687E*	-23	+33	070	6	2	3	1	3	3	0	0	0	DAI	—
				9693	+11	+24	071	1	1	0	0	0	0	1	0	0	HSX	—
				9687W*	-19	+23	080	15	3	8	1	7	8	0	0	0	FAC	—
				9692	+06	+36	083	18	4	4	1	14	4	0	0	0	EKC	—
				9689	-28	+49	096	2	1	1	1	1	1	0	0	0	CSO	—
9685	+05	+58	105	1	1	0	0	0	0	1	0	0	HSX	—				

\* GDSO designation

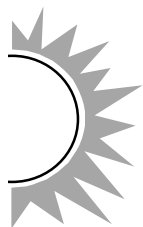


## Georgi Dobrovolski Solar Observatory

### REGION CO-ORDINATES AND CLASSIFICATIONS FOR NOVEMBER 2001 *continued.*

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
4011	2001 / 11 / 13	2005	354.4	9704	-18	-84	270	1	1	0	0	0	0	1	0	HHX	—	
				9698	-24	-52	302	2	2	0	1	2	0	0	0	0	DSO	—
				9697	+11	-50	304	4	1	3	1	1	3	0	0	0	CHI	—
				9695	+11	-34	320	2	1	1	1	1	1	1	0	0	CSO	—
				9696	-06	-34	320	5	1	4	1	1	4	0	0	0	CRI	—
				9694	+14	-03	351	3	1	1	1	2	1	0	0	0	CAO	—
				9700	-25	+05	359	2	0	2	1	0	2	0	0	0	BXO	—
				9691	+08	+14	008	1	1	0	0	0	0	0	1	0	HSX	—
				9690	-18	+31	025	34	4	6	1	28	6	0	0	0	FKC	—
				9699	-09	+78	072	1	1	0	0	0	0	0	1	0	HSX	—
4012	2001 / 11 / 14	2015	341.1	9704	-18	-73	268	3	1	0	1	3	0	0	0	HKX	—	
				9705	+14	-52	289	1	0	1	0	0	0	0	1	AXX	—	
				9698	-24	-38	303	2	2	0	1	2	0	0	0	0	DSO	—
				9697	+12	-37	304	9	3	5	1	4	5	0	0	0	DHC	—
				9695	+11	-20	321	2	1	1	1	1	1	0	0	0	CSO	—
				9696	-04	-19	322	4	1	3	1	1	3	0	0	0	CSI	small
				9703	+22	+04	345	4	1	3	1	1	3	0	0	0	CSI	—
				9700	-24	+19	000	1	0	1	0	0	0	0	0	1	AXX	small
				9694	+14	+07	348	1	1	0	0	0	0	0	1	0	HAX	—
				9691	+09	+27	008	1	1	0	0	0	0	0	1	0	HSX	big
9690	-17	+45	026	29	3	4	1	25	4	0	0	0	FKC	—				
4013	2001 / 11 / 15	2000	328.0	9704	-18	-59	269	4	1	0	1	4	0	0	0	HKX	—	
				9698	-23	-26	302	4	2	2	1	2	2	0	0	0	DSI	—
				9697	+13	-23	305	16	3	4	1	12	4	0	0	0	DHC	—
				9695	+11	-08	320	1	1	0	0	0	0	0	1	0	HSX	big
				9703	+23	-02	326	5	2	3	1	2	3	0	0	0	DSI	small
				9694	+14	+24	352	2	1	0	1	2	0	0	0	0	HAX	—
				9691	+09	+40	008	1	1	0	0	0	0	0	1	0	HSX	—
				9690	-17	+57	025	14	4	3	1	11	3	0	0	0	FKC	—





REGION CO-ORDINATES AND CLASSIFICATIONS FOR

NOVEMBER 2001 *continued.*

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks
4014	2001 / 11 / 18	1925	288.8	9710	-10	-50	239	4	2	1	1	3	1	0	0	DAI	—
				9704	-18	-20	269	14	3	3	1	11	3	0	0	DKC	—
				9698	-26	+12	301	3	2	1	1	2	1	0	0	DSI	—
				9697	+12	+15	304	11	2	6	1	5	6	0	0	DKI	—
				9708	+03	+21	310	6	2	1	1	5	1	0	0	DAO	class correct
				9695	+11	+32	321	1	1	0	0	0	0	1	0	HSX	—
				9694	+13	+63	352	1	1	0	0	0	0	1	0	HSX	—
				9691	+08	+80	009	1	1	0	0	0	0	1	0	HSX	—
4015	2001 / 11 / 19	2105	274.7	9710	-12	-35	240	10	2	6	1	4	6	0	0	DAI	—
				9704	-16	-05	270	14	2	4	1	10	4	0	0	DKI	—
				9698	-24	+25	300	6	2	3	1	3	3	0	0	DAI	—
				9697	+12	+28	303	12	2	5	1	7	5	0	0	DKI	—
				9695	+12	+46	321	1	1	0	0	0	0	1	0	HSX	—
				9694	+14	+77	352	1	1	0	0	0	0	1	0	HSX	small
4016	2001 / 11 / 24	1930	209.7	9715	+06	-72	138	2	1	1	1	1	1	0	0	CSO	—
				9712	+11	-33	177	9	2	3	1	6	3	0	0	DAI	—
				9714	-11	-11	199	4	0	4	1	0	4	0	0	BXI	—
				9713	+08	+22	232	2	0	2	1	0	2	0	0	BXO	—
				9710	-11	+34	244	2	1	0	1	2	0	0	0	HAX	—
				9704	-17	+60	270	14	4	6	1	8	6	0	0	FAC	—
4017	2001 / 11 / 25	2005	196.2	9716	-04	-75	121	1	1	0	0	0	0	1	0	HSX	—
				9715	+06	-60	136	12	3	5	1	7	5	0	0	DAC	—
				9712	+12	-18	178	10	1	2	1	8	2	0	0	CAI	—
				9714	-11	-01	195	2	0	2	1	0	2	0	0	BXO	small
				?	-12	+29	225	1	0	1	0	0	0	0	1	AXX	—
				9713	+08	+36	232	1	0	1	0	0	0	0	1	AXX	—
				9710	-09	+51	247	2	1	0	1	2	0	0	0	HAX	—
				9704	-18	+72	268	8	2	2	1	6	2	0	0	EAI	—



# Georgi Dobrovolski Solar Observatory

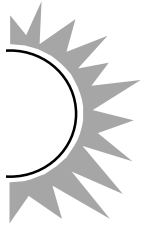
## REGION CO-ORDINATES AND CLASSIFICATIONS FOR

## DECEMBER 2001

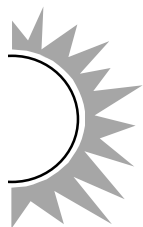
All observations carried out by HOWARD BARNES .  
 Telescope : 76 mm refractor ( f . l . 910 mm ) .  
 Observed by PROJECTION . Full disc diameter = 145 mm approx .  
 CM is stated in degrees .  
 Region Numbers are NOAA/SEC Numbers .  
 B = Heliographic Latitude ( + if NORTH , - if SOUTH ) .  
 CMD = Degrees of Longitude in respect to the Central Meridian ( - if EAST , + if WEST ) .  
 L = Carrington Longitude .

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grp	grf	efp	ef	Class.	Remarks	
4018	2001 / 12 / 03	1955	90.8	9727	-11	-71	020	1	1	0	0	0	0	1	0	HSX	—	
				9726	-16	-58	033	2	1	1	1	1	1	1	0	0	CSO	—
				9724	+10	-50	041	3	2	0	1	3	0	0	0	0	DAO	—
				9723	-04	-19	072	2	0	2	1	0	2	0	0	0	BXO	—
				9721	+13	-19	072	3	1	1	1	2	1	0	0	0	CKO	—
				?	-16	-18	073	2	0	2	1	0	2	0	0	0	BXO	—
				9717E*	+05	-09	082	1	1	0	0	0	0	1	0	0	HSX	—
				9720	-18	-08	083	6	2	3	1	3	3	0	0	0	DAI	—
				9718	-07	-06	085	27	4	8	1	19	8	0	0	0	EKC	—
				9717W*	+03	+03	094	5	2	1	1	4	1	0	0	0	CSI	—
				9716	-05	+33	124	13	3	5	1	8	5	0	0	0	DAC	—
				9715	+04	+46	137	21	5	4	1	17	4	0	0	0	EHC	—
				9725	-10	+56	147	4	2	1	1	3	1	0	0	0	DAI	—
4019	2001 / 12 / 08	2010	24.8	9733N*	+18	-70	315	2	1	0	1	2	0	0	0	HAX	—	
				9733	+14	-69	316	6	2	4	1	2	4	0	0	0	DSI	—
				?	+09	-64	321	1	0	1	0	0	0	0	1	AXX	big	
				9732	+04	-54	331	3	1	2	1	1	2	0	0	0	CSI	—
				9731	+24	-11	014	3	1	2	1	1	2	0	0	0	CSI	—
				9727	-22	-05	020	18	3	5	1	13	5	0	0	0	DAC	—
				?	-24	+04	029	1	0	1	0	0	0	0	1	AXX	—	
				9726	-17	+07	032	6	2	2	1	4	2	0	0	0	DAI	—
				9724	+10	+18	043	1	1	0	0	0	0	1	0	0	HSX	—
				?	+40	+40	065	1	1	0	0	0	0	1	0	0	HSX	small
				9720	-27	+50	075	3	1	2	1	1	2	0	0	0	CSI	—
				9721	+11	+50	075	2	1	0	1	2	0	0	0	0	HAX	—
				9723	-04	+52	077	5	2	2	1	3	2	0	0	0	DAI	—
				9728	+36	+58	083	1	1	0	0	0	0	1	0	0	HSX	—
				9718	-06	+61	086	13	4	4	1	9	4	0	0	0	EKC	—
9717	+05	+72	097	1	1	0	0	0	0	1	0	0	HSX	—				

\* GDSO designation

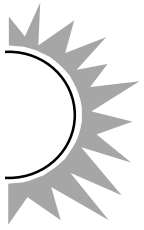


OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
4020	2001 / 12 / 09	1950	11.8	9734	-12	-84	288	1	1	0	0	0	0	1	0	HSX	small	
				9733	+14	-61	311	14	4	5	1	9	5	0	0	EAC	—	
				9732	+04	-39	333	2	1	1	1	1	1	0	0	CSO	—	
				9731	+25	+01	013	2	0	2	1	0	2	0	0	BXO	—	
				9727	-20	+07	019	21	3	5	1	16	5	0	0	DAC	—	
				9726	-16	+19	031	2	1	0	1	2	0	0	0	HAX	—	
				?	+11	+19	031	2	1	1	1	1	1	0	0	CSO	—	
				9724	+10	+30	042	1	1	0	0	0	0	0	1	0	HSX	—
				9720	-28	+60	072	1	0	1	0	0	0	0	0	1	AXX	—
				9721	+11	+61	073	2	2	0	1	2	0	0	0	0	DSO	—
				9728	+35	+68	080	1	1	0	0	0	0	0	1	0	HSX	—
				9718	-06	+73	085	7	2	2	1	5	2	0	0	0	DAI	—
4021	2001 / 12 / 13	2030	318.8	?	-27	-67	252	1	1	0	0	0	0	1	0	HSX	—	
				9738	-19	-55	264	1	1	0	0	0	0	0	1	0	HSX	—
				9734	-12	-26	293	1	0	1	0	0	0	0	0	1	AXX	big
				9737	-28	-15	304	6	1	5	1	1	5	0	0	0	CSI	—
				9733	+14	-06	313	26	5	6	1	20	6	0	0	0	EAC	—
				9739	-13	-00	319	5	1	3	1	2	3	0	0	0	CAI	—
				9732	+04	+16	335	1	1	0	0	0	0	0	1	0	HSX	—
				9727	-21	+64	023	11	4	2	1	9	2	0	0	0	EAC	—
9736	-10	+67	026	2	1	1	1	1	1	0	0	0	CSO	—				
4022	2001 / 12 / 18	2155	252.1	9743	-10	-46	206	3	1	1	1	2	1	0	0	CAO	—	
				9742	+09	-38	214	15	4	6	1	9	6	0	0	EAC	—	
				9741	+06	-05	247	3	0	3	1	0	3	0	0	BXI	—	
				9738	-18	+11	263	5	1	3	1	2	3	0	0	0	CAI	small
				9733	+13	+64	316	12	3	5	1	7	5	0	0	0	EAC	—
				9739	-14	+68	320	7	2	2	1	5	2	0	0	0	DAI	—
4023	2001 / 12 / 19	2010	239.9	9745	+18	-50	190	1	0	1	0	0	0	0	1	AXX	big	
				9743	-10	-36	204	2	1	0	1	2	0	0	0	0	HAX	—
				9742	+12	-29	211	18	7	5	1	13	5	0	0	0	EKC	—
				9741	+07	+07	247	4	2	1	1	3	1	0	0	0	DAI	—
				9738	-19	+19	259	4	1	3	1	1	3	0	0	0	CSI	—
				9733	+13	+73	313	6	2	3	1	3	3	0	0	0	DAI	—
				9739	-14	+80	320	3	2	1	1	2	1	0	0	0	DSI	—



REGION CO-ORDINATES AND CLASSIFICATIONS FOR  
 DECEMBER 2001 continued.

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks
4024	2001 / 12 / 20	2030	226.5	9749	-08	-75	152	1	1	0	0	0	0	1	0	HSX	—
				?	-16	-70	157	2	1	1	1	1	1	0	0	CSO	—
				9747	+12	-61	166	6	1	3	1	3	3	0	0	CAI	—
				9748	-11	-39	188	5	2	2	1	3	2	0	0	DAI	—
				9745	+17	-36	191	3	0	3	1	0	3	0	0	BXI	—
				9743	-11	-22	205	3	1	1	1	2	1	0	0	CAO	—
				9742	+10	-16	211	41	9	17	1	24	17	0	0	EKC	—
				9738	-18	+32	258	2	0	2	1	0	2	0	0	BXO	—
				?	-21	+43	270	1	1	0	0	0	0	1	0	HSX	small
4025	2001 / 12 / 22	1935	200.7	9754	-09	-77	124	2	1	1	1	1	1	0	0	CSO	small
				9753	-20	-70	131	1	1	0	0	0	0	1	0	HSX	—
				9751	+04	-58	143	5	1	3	1	2	3	0	0	CAI	—
				9749	-08	-47	155	1	0	1	0	0	0	0	1	AXX	—
				9747	+11	-33	168	6	2	3	1	3	3	0	0	DAI	—
				9748	-11	-10	191	16	4	6	1	10	6	0	0	DAC	—
				9745	+17	-09	192	8	3	3	1	5	3	0	0	DAC	—
				9743	-09	+04	205	1	1	0	0	0	0	1	0	HSX	—
				9742	+10	+13	214	37	7	16	1	21	16	0	0	FKC	—
				9752	-14	+16	217	1	1	0	0	0	0	1	0	HSX	small
				9741	+04	+54	255	1	0	1	0	0	0	0	1	AXX	—
4026	2001 / 12 / 24	2115	173.4	9755	-05	-79	094	1	1	0	0	0	0	1	0	HSX	—
				9754	-08	-49	124	14	5	5	1	9	5	0	0	DAC	—
				9753	-18	-38	135	5	3	1	1	4	1	0	0	DAC	—
				9751	+05	-31	142	12	4	3	1	9	3	0	0	EAC	—
				9747	+12	-03	170	3	2	0	1	3	0	0	0	DAO	—
				?	+19	+02	175	1	0	1	0	0	0	0	1	AXX	big
				9748	-10	+20	193	17	4	6	1	11	6	0	0	EKC	—
				9745	+17	+21	194	1	1	0	0	0	0	1	0	HSX	—
				9743	-10	+33	206	1	1	0	0	0	0	1	0	HSX	—
9742	+11	+43	216	42	12	8	1	34	8	0	0	FKC	—				



## Georgi Dobrovolski Solar Observatory

### REGION CO-ORDINATES AND CLASSIFICATIONS FOR

### DECEMBER 2001 *continued.*

OBS	DATE	UT	CM	REG.No	B	CMD	L	f	p	s	gr	grfp	grf	efp	ef	Class.	Remarks	
4027	2001 / 12 / 30	2030	94.8	9767	-23	-77	018	4	4	0	1	4	0	0	0	EHO	—	
				9766	+05	-66	029	1	0	1	0	0	0	0	0	1	AXX	—
				9765	+06	-54	041	5	2	2	1	3	2	0	0	0	DAI	—
				9763	+06	-39	056	1	1	0	0	0	0	0	1	0	HSX	—
				9761	+10	-25	070	2	1	1	1	1	1	1	0	0	CSO	—
				9756	-29	-24	071	3	1	2	1	1	2	0	0	0	CSI	—
				9755	-04	-01	094	11	2	7	1	4	7	0	0	0	DAC	—
				9764	+13	+07	102	6	2	2	1	4	2	0	0	0	DAI	—
				9754	-08	+26	121	17	3	9	1	8	9	0	0	0	DAC	—
				9753	-18	+44	139	9	3	3	1	6	3	0	0	0	DAC	—
9751	+05	+47	142	16	4	7	1	9	7	0	0	0	EAC	—				
4028	2001 / 12 / 31	2040	81.5	9767	-23	-64	018	16	4	5	1	11	5	0	0	EKI	—	
				9766	+05	-52	030	1	0	1	0	0	0	0	0	1	AXX	—
				9765	+06	-40	042	5	2	1	1	4	1	0	0	0	DAI	—
				9763	+07	-24	058	2	1	1	1	1	1	0	0	0	CSO	—
				9761	+11	-12	070	1	1	0	0	0	0	0	1	0	HSX	—
				9756	-29	-12	070	3	1	1	1	2	1	0	0	0	CAO	close
				9755	-04	+12	094	5	1	3	1	2	3	0	0	0	CAI	—
				9764	+15	+20	102	13	4	5	1	8	5	0	0	0	DAC	—
				9754	-08	+38	120	8	3	4	1	4	4	0	0	0	DSC	—
				9753	-17	+56	138	1	1	0	0	0	0	0	1	0	HSX	—
9751	+04	+60	142	11	3	6	1	5	6	0	0	0	EAC	—				