

IV. INTENSITIES OF THE SOLAR CORONA

in monochromatic emission at position angles every 5 degrees

For all the stations, the origin of the position angles is at the north pole of the sun

Contributing Observatories: Norikura, Kislovodsk, Lomnický Štít

Observatory

spectrum of the disk center, at the same wavelength and of 1Å width.

that the intensities of the corona were not visible or too weak to be measured.

175	180	185	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355
12	14	14	16	17	18	20	23	24	23	22	22	18	20	20	24	29	25	26	30	24	25	26	29	31	26	23	19	18	17	16	14	14	12	10	10	10
10	9	8	7	7	6	9	12	11	11	9	10	11	13	21	32	61	87	61	25	26	23	33	38	46	44	30	24	22	24	26	25	25	25	23	22	22
7	7	7	6	6	6	6	8	11	11	9	8	9	13	18	31	53	66	56	41	39	28	33	51	36	18	19	17	16	15	15	16	19	19	14	12	13
19	20	20	20	20	20	23	24	24	25	22	22	22	24	28	41	70	86	56	52	44	27	34	45	38	27	27	26	23	22	22	22	26	27	22	19	20
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13	13	13	13	14	11	14	14	13	12	11	12	16	20	26	70	105	111	61	46	45	49	40	33	22	18	20	18	13								

Lomnický Stit

2004

Photoelectrically measured intensities in units of 10^{-6} of the photospheric

Signs 'X' indicate that the measurements were not performed; signs '-' indicate

530.28 nm

DATE (UT)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170		
Jan.																																					
8 12:12	2	3	0	9	9	10	13	14	5	8	17	13	24	23	27	31	21	21	19	23	15	15	6	20	20	25	23	20	14	14	7	13	3	13	10		
9 12:48	0	0	0	5	2	0	4	0	7	4	9	10	19	15	26	20	29	23	13	29	11	7	12	26	23	30	21	8	10	12	3	0	2	1	16		
11 08:37	8	18	14	13	21	18	14	15	26	19	31	22	16	38	50	89	82	32	34	46	53	71	65	59	50	40	16	15	19	24	22	12	24	28	23		
26 08:53	3	0	4	10	21	11	11	12	2	10	3	12	19	3	0	1	6	4	14	20	19	28	31	23	16	11	1	5	11	6	12	10	12	6	17		
Feb.																																					
19 09:48	0	1	5	11	15	16	22	13	16	11	18	6	16	14	23	3	4	8	5	13	18	7	20	38	16	8	9	13	14	6	7	8	6	0	6		
20 09:40	0	8	2	5	7	9	13	7	2	14	8	7	3	9	9	4	3	0	0	9	17	6	12	16	13	8	14	7	15	16	7	9	0	8	8		
21 12:38	14	12	13	23	24	21	13	14	17	9	20	19	12	9	13	3	0	7	17	23	30	28	25	33	31	18	17	21	17	10	9	6	13	9	6		
Mar.																																					
5 09:27	2	8	4	7	1	11	1	11	10	12	17	21	20	28	29	24	15	20	38	25	33	46	52	37	33	31	23	13	10	9	7	29	26	32	19		
6 14:22	18	10	13	10	8	11	22	14	4	17	21	19	13	32	43	23	27	50	39	32	66	65	47	42	37	37	16	9	13	15	15	17	15	11	13		
11 07:59	0	0	6	4	0	1	2	2	5	6	5	10	23	14	15	10	13	18	17	24	28	56	41	31	29	27	11	7	17	22	18	12	10	11	7		
15 14:14	6	5	3	5	8	1	13	15	15	10	12	7	15	21	22	34	27	28	31	22	27	30	16	14	21	16	19	16	8	13	15	13	8	10	3		
18 09:51	3	0	6	0	3	9	18	7	17	14	13	6	11	26	30	65	49	33	40	87	77	44	7	19	28	20	18	23	13	14	20	25	17	17	10		
29 06:18	5	4	1	4	1	8	5	7	7	13	9	13	8	10	6	10	5	4	9	15	21	34	28	10	6	11	14	10	13	3	7	0	7	6	5		
31 06:10	0	3	3	2	6	6	3	10	3	3	6	5	13	18	23	36	14	14	24	18	30	40	68	42	30	24	23	13	11	15	15	18	7	6	1		
Apr.																																					
1 05:46	8	5	5	11	13	9	5	9	6	5	15	13	25	22	45	45	34	43	42	20	38	114	84	63	52	44	31	19	19	15	20	32	19	5	9		
2 06:06	7	2	3	3	7	6	8	5	6	5	9	16	15	20	43	34	33	39	36	25	41	89	70	63	51	38	31	19	16	14	22	25	23	8	12		
3 07:04	1	3	1	3	3	5	8	0	3	5	17	17	26	36	43	38	39	48	39	68	76	60	55	52	43	36	29	29	34	29	24	25	21	19	15		
9 08:03	1	3	3	6	2	0	1	6	4	2	5	7	11	9	11	17	20	18	26	29	32	29	22	26	23	25	20	17	19	11	15	13	8	7	7		
12 05:39	5	0	0	2	3	2	2	5	4	8	3	5	9	7	6	20	34	40	58	71	41	30	23	15	22	18	17	17	24	14	13	7	8	8	4		
13 08:14	0	0	0	0	0	0	0	0	0	0	0	0	13	22	30	48	62	38	33	59	55	29	25	16	14	10	17	17	15	12	22	10	8	2	4		
14 09:26	0	0	0	0	0	0	0	1	5	0	2	0	3	14	30	43	63	15	43	33	36	49	40	5	14	9	8	12	13	7	15	10	5	3	4		
15 05:40	0	0	0	0	0	1	3	10	5	0	3	7	13	24	30	35	26	17	23	46	83	51	28	17	17	14	10	13	9	10	14	7	5	6	2		
23 11:32	2	2	4	6	8	9	11	5	8	11	8	17	14	18	24	19	24	22	37	36	25	19	11	6	11	12	2	9	10	8	4	7	7	5	6		
26 07:34	0	1	0	3	4	6	4	0	6	9	10	8	6	0	7	7	1	11	19	18	3	11	8	16	16	6	11	14	10	13	14	13	14	13	7	3	
29 06:34	4	0	0	0	5	1	0	0	0	0	3	1	11	23	19	26	21	22	21	35	62	40	33	28	16	11	8	10	17	14	18	6	4	0	2		
May																																					
7 05:05	1	4	4	4	6	4	0	5	2	2	0	8	9	11	9	12	22	23	27	30	37	33	23	17	11	6	9	13	6	6	8	7	6	5	4		
30 04:47	0	0	5	9	9	4	10	6	4	11	7	10	3	8	16	12	5	9	19	23	76	54	45	30	20	16	11	5	11	8	11	5	9	0	0		
31 08:08	5	1	3	6	11	6	6	4	3	0	0	0	6	7	8	8	9	11	15	17	45	25	18	20	21	11	14	9	5	10	11	12	3	2	0		
Jun.																																					
15 08:47	2	2	2	8	2	9	7	10	5	11	10	4	3	14	16	14	29	31	16	26	36	84	70	37	26	19	2	3	0	8	6	11	0	2	10		
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17 07:45	0	5	0	5	3	7	8	4	5	2	7	5	5	6	5	10	14	27	19	19	22	20	18	19	14	8	6	3	5	5	4	10	12	5	2		
19 13:41	6	6	5	4	5	4	3	4	2	2	6	8	6	7	2	5	9	27	21	13	7	10	11	3	7	10	7	8	5	5	12	13	15	11	8		
23 03:51	2	8	3	5	2	5	10	6	7	10	7	14	12	18	19	22	20	40	41	76	45	50	33	28	21	18	19	10	7	11	15	23	11	7	1		
Jul.																																					
4 04:48	7	7	7	4	1	9	8	4	7	8	8	4	10	11	15	15	13	12	19	28	12	0	5	2	6	3	2	0	3	0	0	0	0	0	0		
5 06:46	0	3	1	4	3	14	4	1	4	12	3	7	8	13	9	11	14	8	13	23	35	33	26	7	9	11	13	8	11	6	1	9	7	0	0		
9 05:44	18	6	11	18	18	32	23	18	20	19	16	30	27	29	50	37	43	96	54	35	64	49	41	46	45	41	19	18	16	30	20	26	33	23	16		
11 05:09	0	0	0	0	0	7	4	1	0	1	4	8	24	35	42	70	64	42	48	59	137	126	132	54	11	27	3	1	4	5	8	11	33	11	0		
18 06:08	6	4	4	5	8	11	16	20	8	8	13	2	18	21	14	20	25	50	33	21	29	30	27	20	21	15	10	14	7	10	4	10	12	16	8		
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21 06:13	0	0	0	0	0	4	12	16	9	16	9	7	6	0	8	11	5	8	11	21	33	16	19	16	17	10	14	9	21	14	4	18	11	14	9		
22 04:35	7	13	6	11	8	12	26	10	20	20	24	20	23	8	34	30	37	36	19	21	26	24	18	18	19	19	22	9	12	12	14	10	21	18	9		
Aug.																																					
5 15:56	0	0	3	0	3	2	1	0	0	3	0	3	0	8	10	21	28	34	27	32	37	34	57	16	19	12	12	10	7	8	13	9	12	16	13	11	
6 07:59	4	4	8	8	10	14	4	7	3	8	14	14	24	18	30	44	38	38	48	49	51	61	36	25	22	26	22	12	12	12	11	13	19	15	11		
11 05:50	3	0	0	5	5	0	2	8	3	5	8	7	16	41	54	50	45	39	22	25	30	34	30	30	30	20	15	9	13	12	21	13	20	19	19		
15 05:24	0	0	0	0	1	1	0	2	3	1	5	0	2	0	11	17	15	20	19	18	17	19	16	10	21	19	20	15	6	9	6	13	10	14	12	13	
16 05:22	0	6	0	0	0	0	0	9	0	0	0	2	8	13	11	16	15	4	17	13	11	12	11	11	19	14	9	13	8	6	4	5	9	3	2		
18																																					

Observatory

spectrum of the disk center, at the same wavelength and of 1Å width.

that the intensities of the corona were not visible or too weak to be measured.

175	180	185	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355	
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21	13	14	27	33	34	40	28	27	27	22	24	30	27	28	37	23	39	49	23	10	8	5	10	17	0	3	15	6	3	14	4	0	0	0	0	0	
38	37	38	46	50	22	40	33	38	31	24	33	39	34	31	25	37	52	40	9	7	7	10	8	14	7	1	5	1	9	9	2	17	21	11	11	2	
3	10	4	4	17	14	20	24	18	27	26	30	35	46	63	152	126	105	60	69	61	95	110	61	25	22	13	7	10	6	9	5	3	2	1	0	0	
4	9	8	3	16	8	19	24	15	26	26	26	26	3	32	22	20	37	20	26	44	44	60	67	61	41	34	20	12	0	9	8	1	11	3	0	0	
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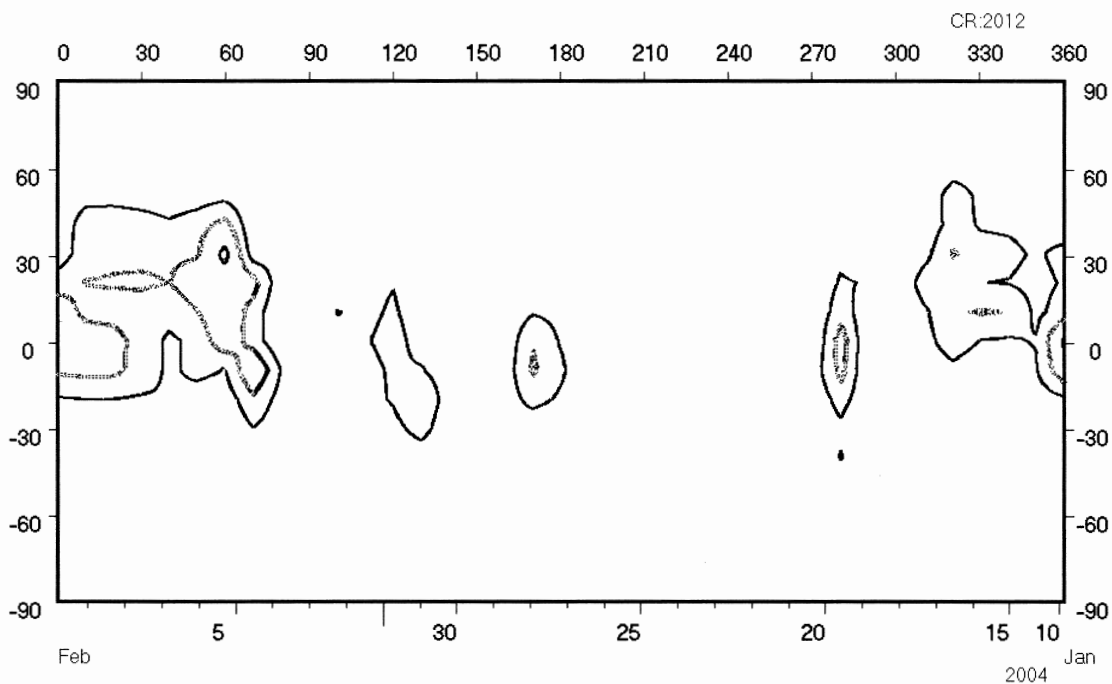
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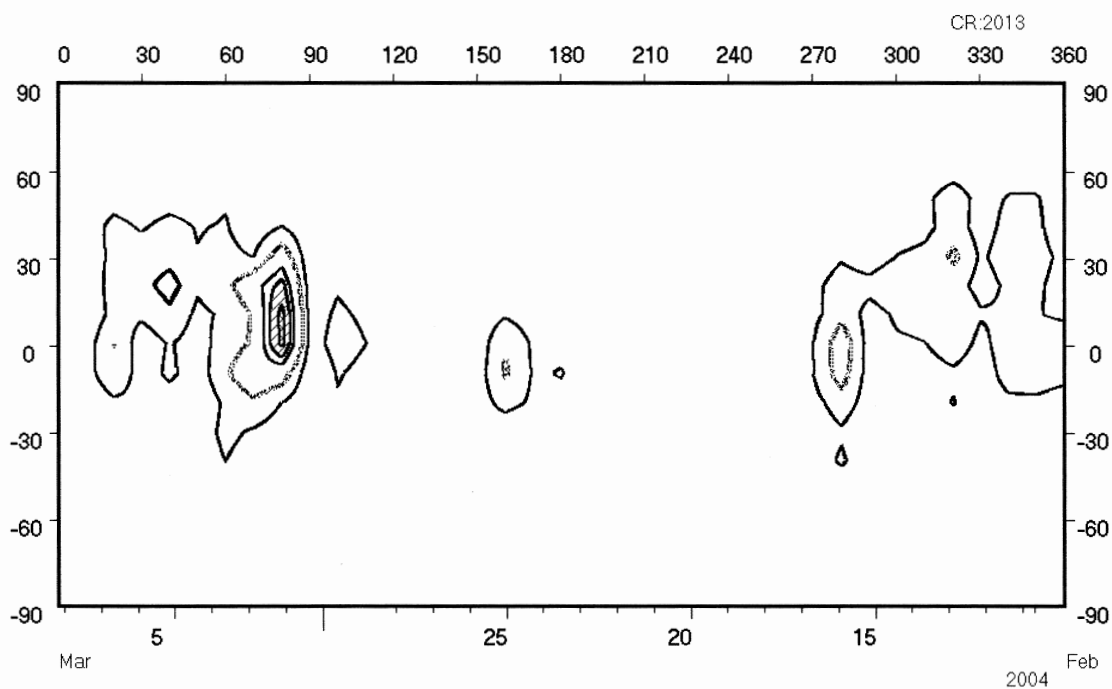
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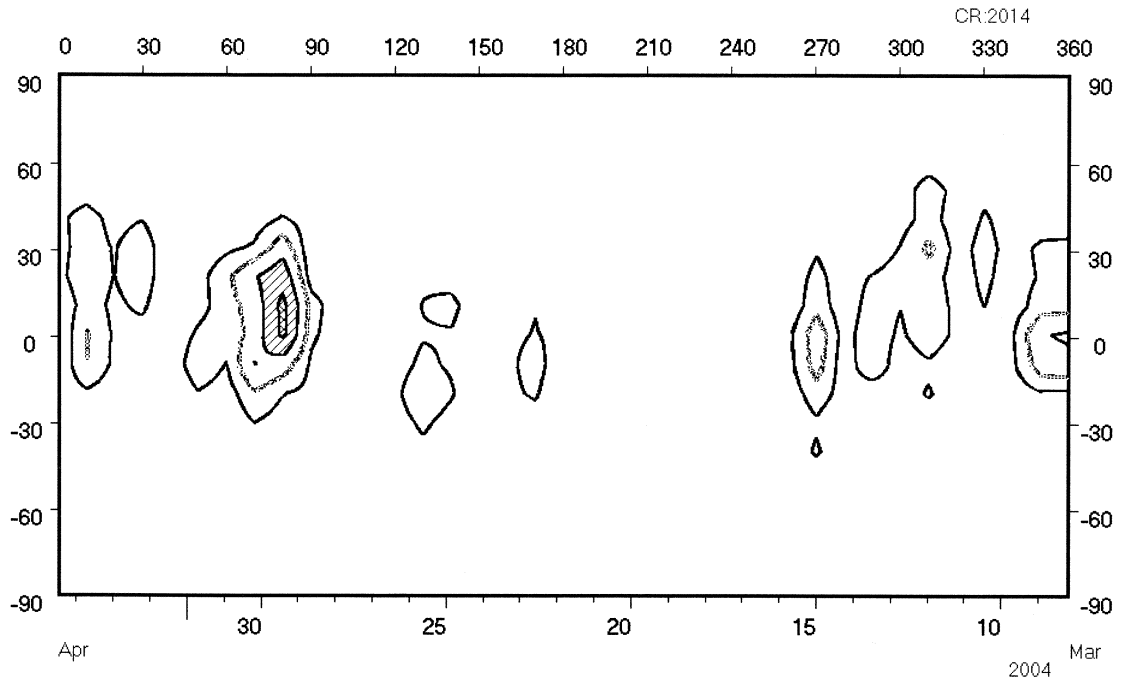
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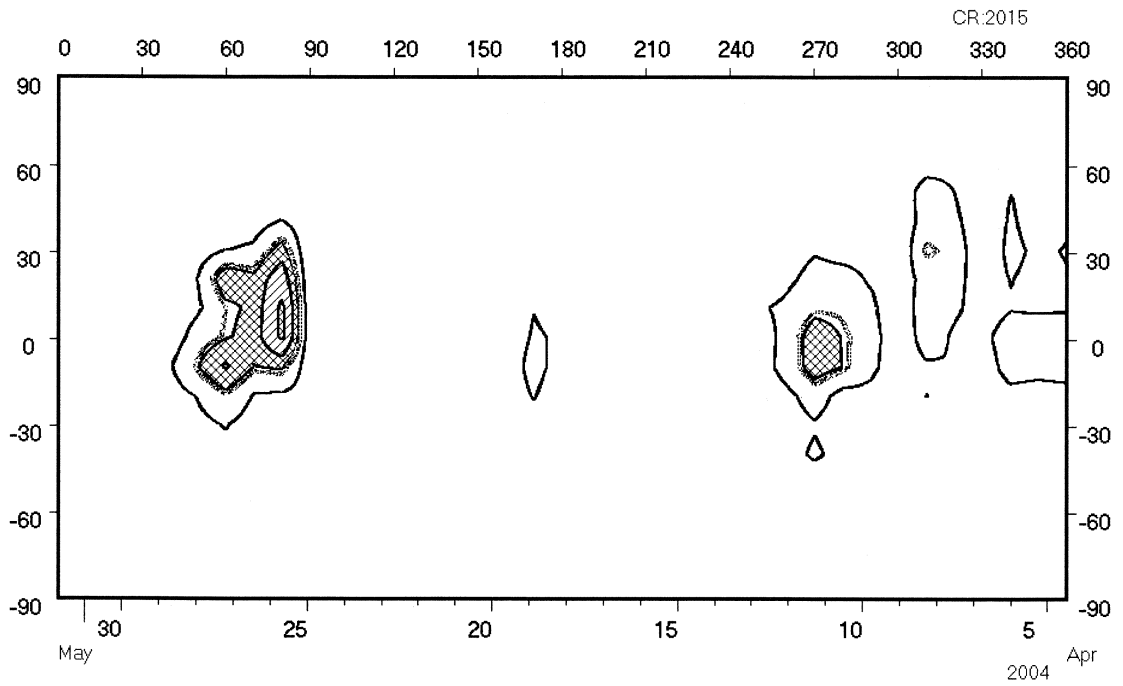
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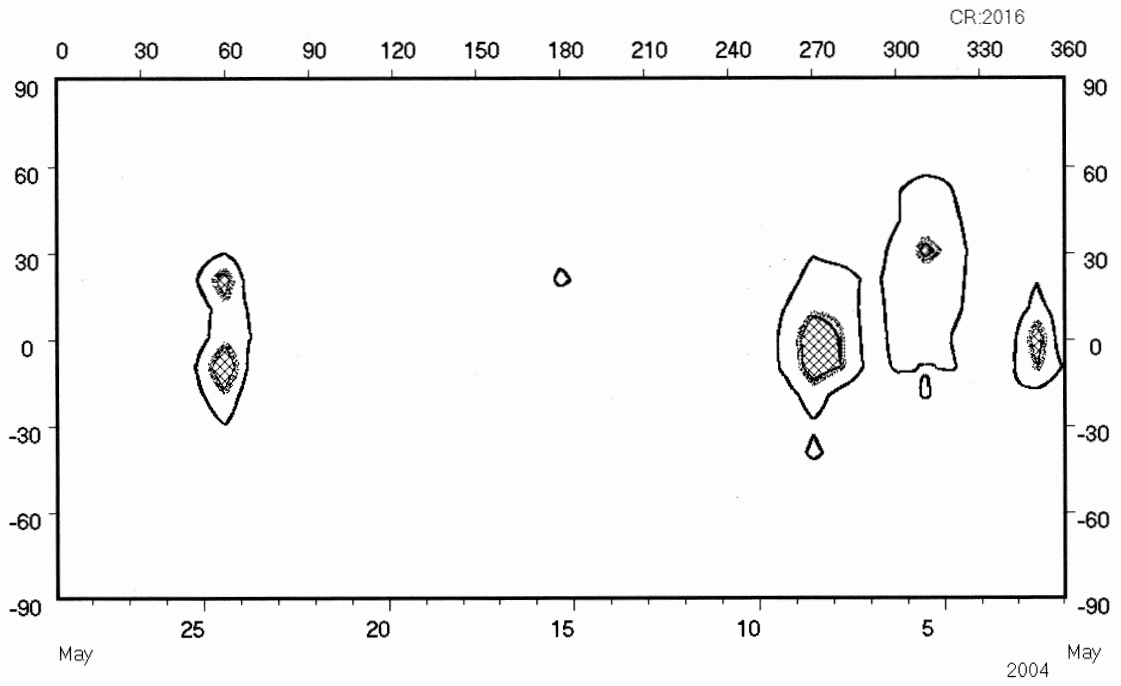
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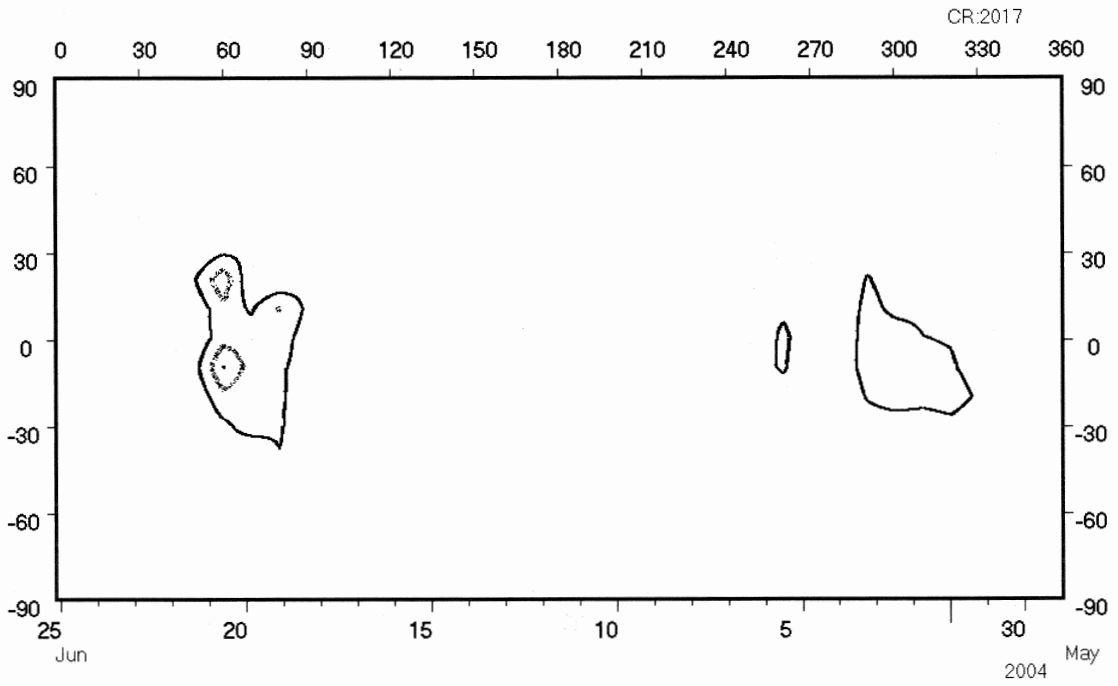
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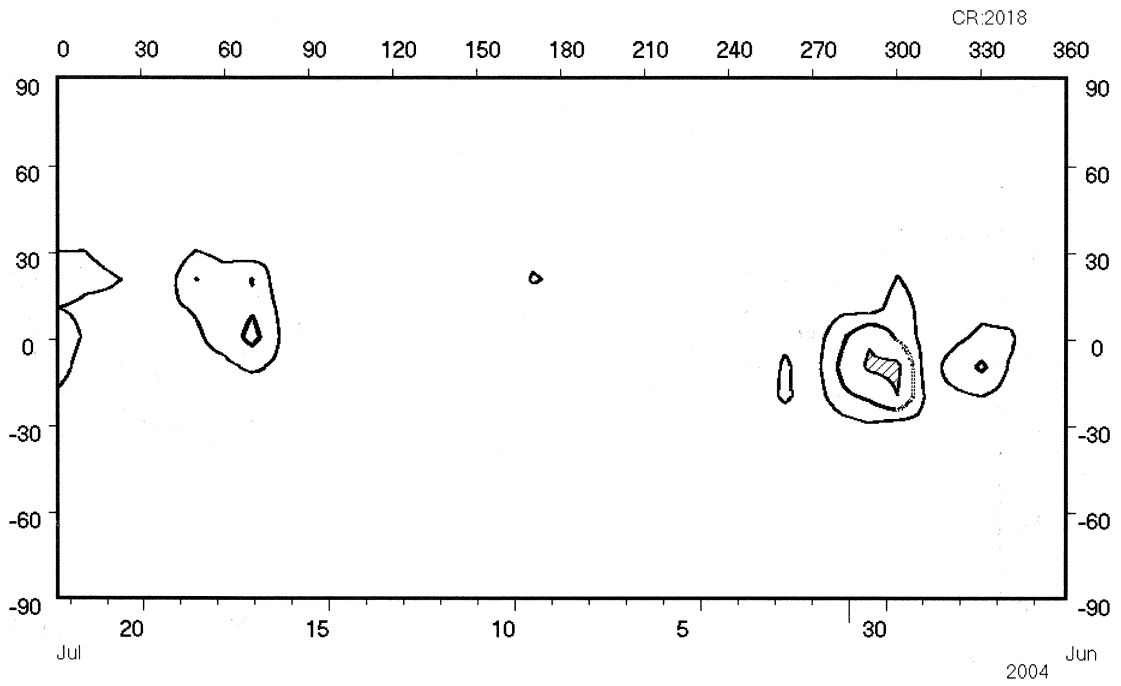
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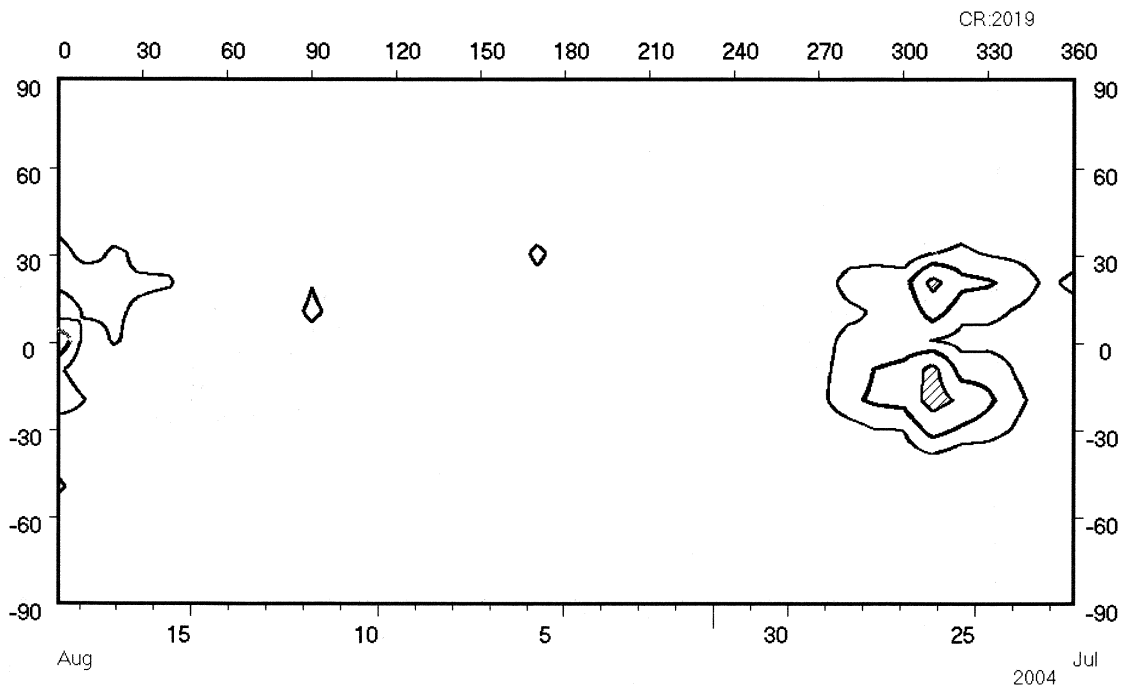
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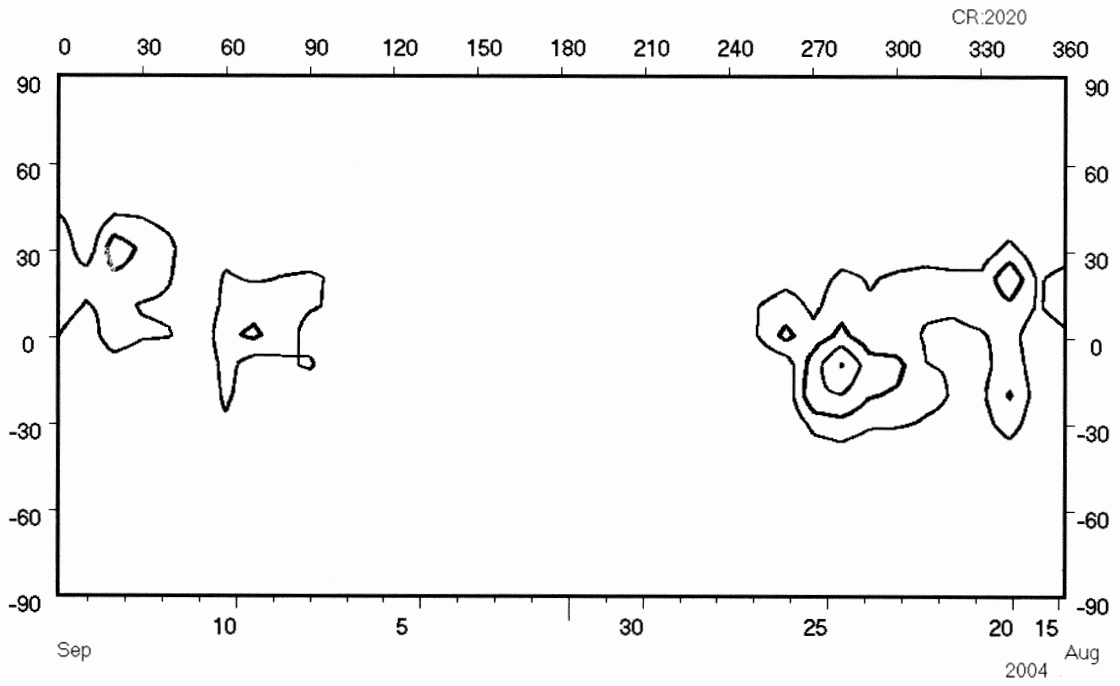
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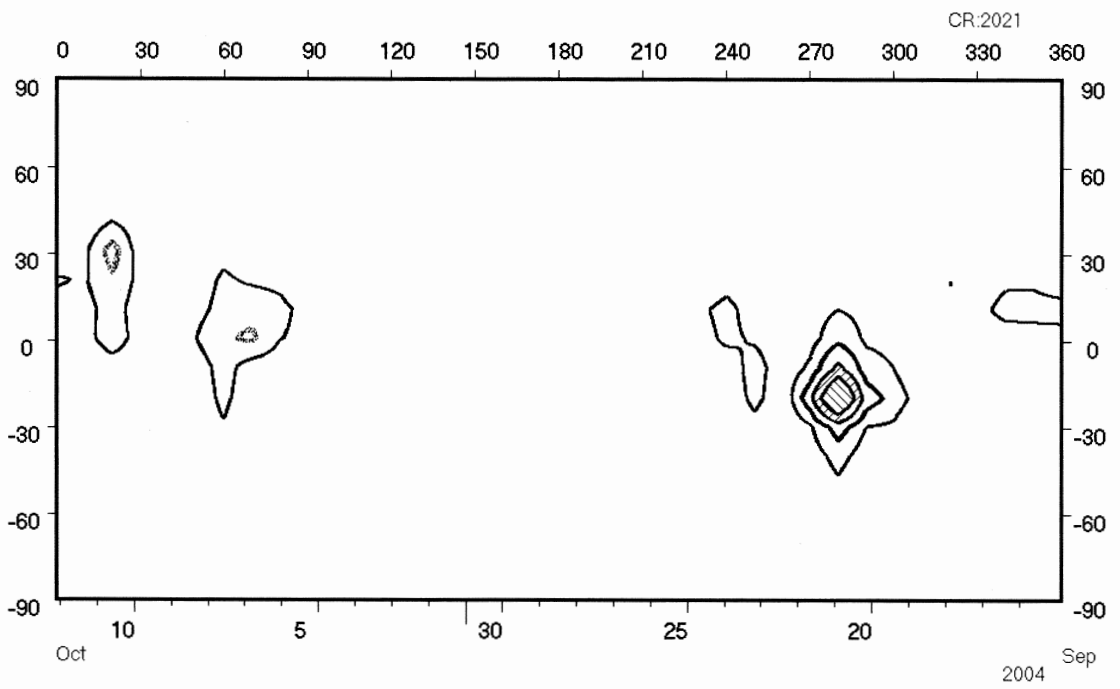
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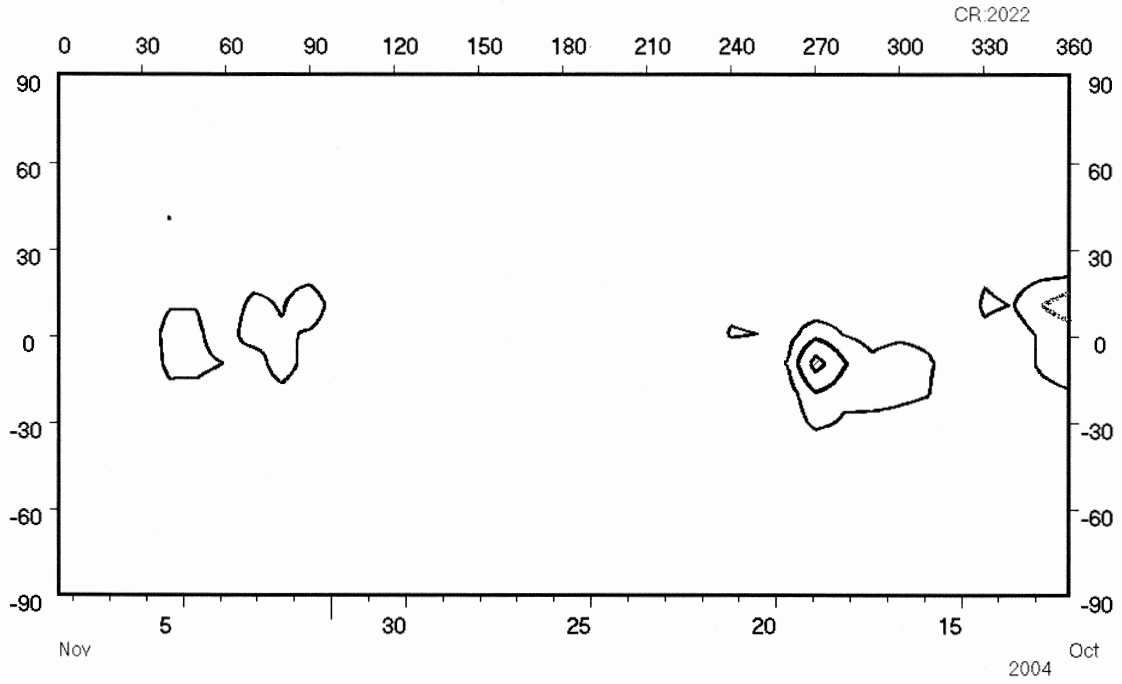
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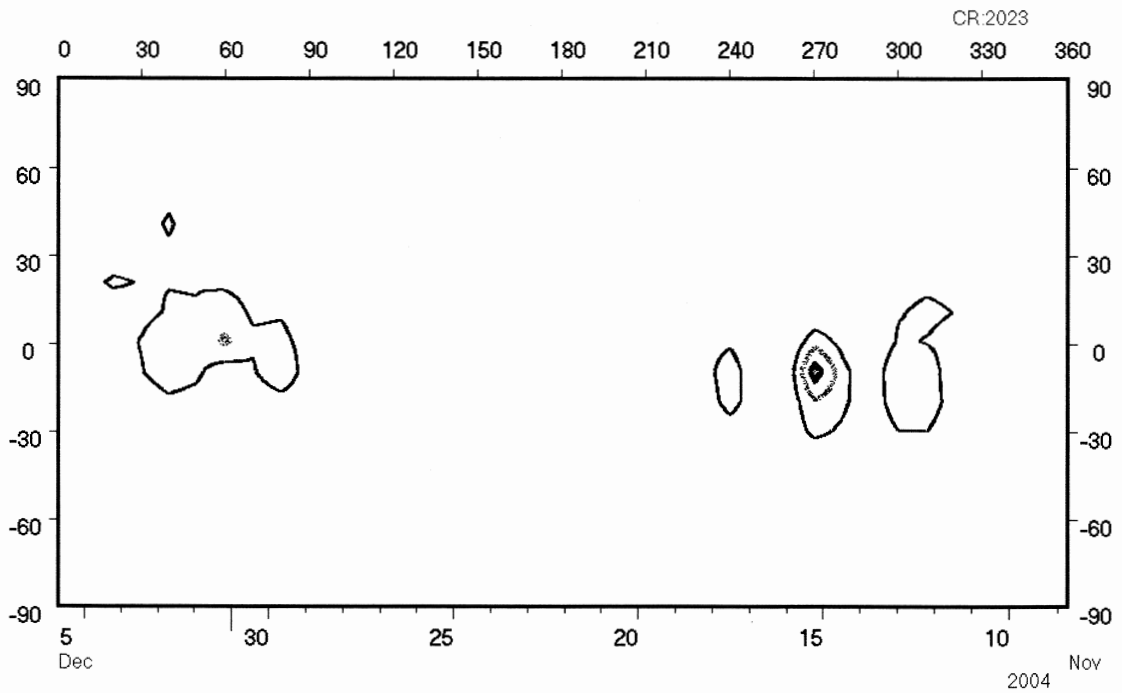
**Kislovodsk Solar Station of the Pulkovo Observatory
2004 - CR 2021**



**Kislovodsk Solar Station of the Pulkovo Observatory
2004 - CR 2022**



**Kislovodsk Solar Station of the Pulkovo Observatory
2004 - CR 2023**



**Kislovodsk Solar Station of the Pulkovo Observatory
2004 - CR 2024**

