

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

IV - 2 (2007)

2007

Norikura

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 ( U.T )	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	
May. 28 00:05	6	6	6	6	5	6	6	7	7	7	7	6	5	5	5	5	5	5	5	6	20	42	28	12	6	6	5	4	4	4	5	4	3	3	3	
31 22:58	18	17	17	18	17	16	16	16	15	15	14	13	12	11	11	11	12	18	25	44	59	42	26	21	14	10	9	9	9	9	9	8	7	7	7	
Jun. 3 22:54	11	11	11	11	11	11	11	11	11	10	10	10	10	9	9	9	9	10	15	27	28	19	14	15	13	10	10	9	10	10	10	10	9	9	8	
5 23:14	3	3	4	4	4	4	4	5	5	6	6	6	5	6	6	6	6	7	12	25	27	14	8	6	6	5	6	5	6	6	6	5	4	4	4	
15 21:17	14	14	15	14	14	14	15	16	15	15	15	15	14	15	15	16	19	18	17	15	15	16	17	16	16	16	16	15	14	14	14	13	14	14	12	
Jul. 7 20:57	13	13	13	13	13	13	12	11	12	12	11	10	9	10	10	11	12	12	15	18	22	11	10	10	9	9	8	9	9	9	9	9	7	7	6	6
23 21:19	6	6	6	6	6	6	7	7	7	6	6	5	5	6	7	7	8	11	19	42	50	29	24	17	11	8	6	4	3	3	3	2	2	2	1	
27 00:18	7	7	7	7	7	7	8	9	9	8	7	6	7	6	7	8	9	11	14	18	20	18	14	17	13	10	7	6	6	4	4	4	4	3	3	3
31 04:16	11	10	10	9	8	8	10	9	9	8	7	7	6	6	6	6	7	9	13	10	8	6	5	4	3	3	3	2	2	2	2	2	3	3	3	
Aug. 1 01:17	5	5	4	4	3	4	5	5	4	4	3	3	2	2	2	2	4	6	11	8	7	6	5	4	2	1	2	2	2	2	1	1	1	1	1	
5 22:25	5	5	5	5	5	5	6	6	6	6	5	4	4	3	3	3	3	3	3	4	6	11	7	6	7	6	5	5	5	4	4	3	3	3	2	
12 01:07	5	5	5	4	4	4	4	5	4	4	4	4	3	3	3	3	3	3	4	5	6	6	5	4	4	4	4	5	6	6	7	6	5	3	2	
12 21:35	4	4	4	4	4	3	4	4	4	4	3	3	3	2	2	2	2	3	3	4	5	4	4	3	2	2	3	3	4	4	4	4	4	4	2	
14 00:55	2	2	2	2	2	2	2	2	2	2	2	2	1	2	1	1	2	2	3	4	7	5	5	4	3	3	2	2	3	3	3	3	3	3	4	3
14 22:12	4	4	4	3	3	2	3	3	3	2	2	2	2	2	1	2	2	3	4	5	7	6	5	5	4	3	2	3	3	3	3	3	4	5	4	
15 22:19	3	3	3	2	2	3	3	3	2	2	2	2	1	2	1	2	2	2	2	5	7	7	6	5	5	5	4	2	2	3	3	2	2	2	2	
20 02:19	5	4	4	4	4	4	4	4	4	3	3	3	3	4	3	4	6	12	24	36	34	28	15	11	10	8	6	4	3	4	4	3	2	1	1	
21 02:23	8	7	6	6	6	6	5	6	6	4	4	4	4	4	4	5	6	11	29	38	34	23	12	10	8	7	6	4	4	3	4	4	3	2	1	1
24 06:53	3	3	3	3	4	4	5	4	4	4	3	2	2	3	2	4	7	9	11	8	8	4	2	2	3	3	3	3	2	3	3	3	2	2	2	
Sep. 3 23:48	9	8	9	9	9	9	10	10	10	10	9	9	8	8	8	9	9	9	8	9	10	11	9	10	11	11	12	12	11	11	9	8	8	8	8	
Oct. 6 07:56	6	6	5	5	5	5	6	7	7	7	7	6	5	5	5	5	5	5	4	4	5	4	4	4	5	5	5	6	5	4	5	6	6	3	3	
10 07:04	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	7	19	26	7	6	7	7	7	7	6	4	4	5	4	4	3	3	2	
24 04:49	5	4	4	4	4	5	5	5	5	5	4	4	4	4	4	4	4	4	4	5	5	5	5	5	4	4	4	4	4	3	3	3	3	2		
24 23:02	5	5	5	5	5	6	6	6	6	6	6	5	5	5	4	4	4	4	5	5	5	5	5	5	5	5	5	5	4	4	4	3	3	3	3	
27 23:05	6	5	5	5	6	6	6	6	7	6	6	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	7	7	7	6	6	5	5	4	4	4

# IV — 3 (2007)

## 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	
3	3	3	3	3	4	5	5	5	5	5	5	5	4	5	4	5	6	6	8	9	9	10	6	5	5	6	6	7	7	7	8	8	9	7	6	6	
7	7	7	7	7	8	9	10	10	9	9	10	10	10	10	10	11	11	12	16	19	19	16	15	14	14	15	16	17	18	18	18	17	17	17	17	18	
8	8	8	9	9	9	9	9	9	9	8	8	7	8	9	14	16	17	21	20	16	14	14	12	12	10	10	11	11	12	12	12	12	12	11	11	10	10
4	4	5	4	3	3	4	3	4	4	5	5	5	7	9	12	13	20	15	11	8	7	6	5	5	4	4	4	4	4	4	3	3	3	3	3	3	
10	10	10	10	9	9	9	10	10	10	9	9	10	10	13	18	29	54	48	40	25	17	12	12	13	13	14	14	14	15	16	16	16	14	14	14	15	
6	6	6	6	5	5	6	7	9	8	8	9	10	15	17	24	44	59	32	18	12	11	11	12	12	13	14	13	14	13	14	14	13	13	13	13	13	
1	2	2	2	2	3	4	4	5	4	3	3	3	4	4	4	4	7	9	5	4	4	4	5	4	5	6	6	6	6	6	6	6	6	6	6	6	
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3	3	3	3	4	5	5	6	8	8	9	9	10	10	13	14	15	17	16	15	17	31	18	17	17	18	18	17	17	17	16	15	15	14	14	11	11	
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1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	3	5	7	7	6	5	4	4	4	4	4	4	5	6	6	7	7	6	5	5	4	5	
2	1	1	1	0	0	0	1	0	1	1	1	1	1	2	3	5	6	5	6	5	4	2	3	3	3	3	4	5	5	6	5	5	3	3	2	2	
3	3	2	2	2	2	2	2	2	2	2	2	2	3	4	10	16	11	6	5	4	3	3	2	3	4	5	5	5	7	7	7	6	6	5	5	5	
2	1	1	1	1	1	1	1	1	1	1	1	1	2	3	7	27	30	7	5	4	3	3	3	3	4	5	6	6	6	6	5	4	4	4	4	3	
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2	1	1	1	2	3	3	2	3	3	4	3	3	4	3	3	3	3	3	3	4	4	4	4	4	5	4	4	5	5	5	5	4	2	3	3	3	
8	8	8	10	10	9	9	10	10	10	10	10	10	10	13	16	23	32	45	27	21	13	10	10	11	11	11	11	11	12	12	11	10	9	8	8	9	
2	2	2	3	3	3	3	4	4	4	5	6	6	5	6	10	12	15	21	35	29	17	16	16	15	15	13	12	11	11	11	10	10	9	7	6	6	
3	3	2	2	2	2	2	3	3	3	3	3	3	4	4	5	6	6	8	7	6	6	6	6	5	5	6	6	6	7	6	6	5	4	4	4	4	
2	2	2	2	3	3	4	4	4	5	5	7	7	7	8	7	9	15	14	8	8	8	8	7	7	7	7	7	7	8	8	7	6	6	5	5	5	
3	2	2	2	3	3	3	3	3	4	4	5	5	6	6	6	6	10	10	7	6	6	6	6	5	6	6	7	7	7	7	6	6	6	6	6	5	
4	4	4	4	4	4	4	4	5	5	6	6	7	7	9	9	10	11	11	12	12	12	11	9	10	8	8	8	8	8	8	8	7	7	6	6	6	

2007

Photoelectrically measured intensities in units of 10<sup>-6</sup> of the photospheric  
Signs 'X' indicate that the measurements were not performed; signs '-' indicate

530.28 nm

Table with columns: DATE (U T), 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. Rows are grouped by month: Jan, Feb, Mar, Apr, May, Jun, Jul. Each row contains 171 numerical values representing intensity measurements.

Observatory

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

10	12	10	8	8	9	9	10	10	11	12	8	10	11	10	9	15	14	19	17	20	20	21	20	19	18	10	9	9	9	9	10	9	7	7	7	9
9	7	3	4	9	6	7	6	8	10	9	9	10	10	8	10	21	28	39	37	27	19	14	12	4	5	2	11	14	9	7	8	7	5	-	7	6
2	5	8	1	5	2	14	8	10	7	6	15	11	11	13	15	21	26	35	43	34	18	8	10	5	7	7	5	6	8	5	11	6	9	13	11	4
6	6	7	9	10	12	12	9	11	13	10	10	12	9	10	10	22	31	29	48	44	37	27	24	16	10	12	13	11	9	9	12	11	9	4	11	10
10	4	8	15	14	8	14	14	15	15	12	13	7	13	15	21	23	25	31	26	17	15	10	7	1	9	8	10	13	12	7	9	10	5	-	7	8
6	12	11	9	2	9	12	12	14	10	15	14	18	22	25	20	21	24	24	27	20	21	7	11	5	8	13	8	1	7	5	9	9	-	3	5	
7	9	7	8	4	10	11	12	12	11	-	7	10	7	1	4	10	19	23	24	19	16	10	8	15	5	8	8	5	1	6	7	7	2	-	4	10
6	5	10	5	7	5	6	5	7	11	9	10	14	16	15	23	18	15	14	24	19	9	7	2	1	11	5	1	-	7	3	4	4	-	3	9	1
2	6	8	10	8	17	9	11	9	10	9	9	11	10	10	9	13	12	17	20	19	16	19	21	11	14	16	16	12	13	11	12	11	7	6	6	9
9	4	3	3	7	4	9	12	13	10	10	11	10	10	13	9	12	18	27	28	40	26	14	15	16	17	14	14	12	10	9	10	12	14	3	9	
7	7	5	7	7	6	15	17	18	13	17	26	19	20	17	14	23	34	39	20	17	19	21	17	16	19	16	8	9	9	-	9	12	9	7	5	7
1	8	8	3	7	14	13	11	15	14	7	10	17	17	18	35	28	27	22	19	19	10	8	2	4	4	-	8	6	7	7	12	7	9	5	3	9

[Additional rows of data are omitted for brevity, following the same format as the first block.]











IV-10 (2007)

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			
Aug																																						
6 05:36	3	3	-	-	-	6	4	-	-	4	4	11	8	4	8	-	-	9	11	5	7	-	-	6	8	-	-	5	-	-	4	5	5	-	-			
12 08:12	-	-	3	4	-	-	7	8	-	-	4	4	-	-	5	7	8	9	9	11	6	-	-	4	3	-	-	-	-	-	4	4	3	-	-			
15 08:44	-	-	4	4	12	-	-	7	-	-	-	-	-	-	-	-	-	4	6	11	11	-	-	4	9	12	7	-	-	-	-	-	4	-	-	3		
19 05:33	13	-	5	3	9	-	7	13	5	8	15	6	3	5	5	-	-	-	-	9	8	8	11	-	-	-	-	3	-	-	-	4	4	5	-	-		
20 06:20	-	3	-	-	9	3	-	-	6	4	-	-	-	-	3	4	4	-	-	6	12	15	7	3	-	-	-	7	5	6	4	11	4	-	-			
24 05:08	4	-	-	-	3	5	-	-	-	9	10	11	-	-	6	6	-	12	9	9	-	-	-	-	-	8	4	-	-	-	-	-	-	-	-			
28 04:29	2	-	-	-	4	6	8	8	4	-	-	12	10	13	6	-	-	10	9	4	-	-	4	-	-	-	5	-	-	3	-	-	-	6	-			
29 04:21	-	4	-	-	4	-	-	5	7	-	-	-	16	11	11	-	-	7	11	9	6	-	-	7	6	-	-	-	-	-	9	-	4	-	-			
30 07:42	3	4	-	-	-	7	3	7	-	-	5	6	8	6	11	15	11	7	-	8	11	9	6	4	4	3	-	-	-	4	-	-	4	-	-			
31 04:17	-	-	6	-	-	4	5	-	8	3	-	-	12	9	6	10	13	13	6	8	7	-	-	7	10	4	-	-	12	3	-	-	-	5	-			
Sep																																						
2 06:24	-	-	3	5	-	-	6	10	8	8	7	13	9	8	-	-	-	13	-	-	5	5	-	-	8	5	4	3	-	-	8	-	-	-	-			
3 07:26	-	-	-	-	-	-	-	-	12	9	8	-	-	-	-	-	10	9	9	6	-	-	-	-	6	-	-	-	-	-	3	-	-	-	-			
4 05:21	-	-	-	4	-	-	-	-	-	-	-	-	7	8	5	-	-	-	10	10	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
5 06:25	-	-	7	5	5	-	-	5	7	8	12	7	10	-	-	4	5	11	12	-	-	-	3	6	-	-	-	3	-	-	-	-	4	-	-			
6 04:10	-	4	3	-	-	4	9	4	-	-	9	13	15	7	-	12	12	-	4	7	-	-	-	-	-	8	3	-	-	-	3	3	-	-				
7 04:23	-	-	4	-	-	7	8	5	-	-	-	12	-	-	-	12	10	9	8	7	8	-	10	8	4	5	-	-	-	9	9	-	-	9	-			
8 05:42	-	4	-	-	-	8	5	4	-	-	-	-	-	-	-	-	6	10	11	6	5	-	-	4	4	5	-	-	-	-	-	-	-	-	-			
11 04:23	-	-	8	-	-	-	3	5	14	-	-	-	7	-	-	4	10	11	9	9	-	-	4	7	4	-	-	4	-	-	4	11	-	-	-			
12 03:47	-	-	4	-	-	10	4	4	-	-	-	-	4	16	10	12	-	-	4	12	4	-	-	7	10	6	7	8	-	-	3	-	-	-	-			
14 05:28	6	10	5	-	-	6	-	-	-	10	-	-	5	9	10	7	15	6	-	-	13	6	-	-	7	9	10	8	-	-	-	-	-	-	-			
15 09:50	-	-	4	-	-	-	-	-	-	-	4	5	-	-	-	5	9	7	-	-	-	-	6	-	-	6	-	-	-	3	4	-	-	4	3	-		
17 06:55	-	8	-	-	-	-	3	11	-	-	5	5	-	-	-	-	8	7	11	11	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
18 06:25	8	-	9	-	-	6	7	-	-	-	-	-	-	-	-	-	9	12	10	-	-	7	6	-	-	-	-	4	-	-	4	-	-	4	-	-		
19 06:32	-	-	-	4	5	-	-	-	3	8	8	-	-	-	-	-	-	11	19	15	5	-	-	-	-	-	-	-	-	-	4	-	-	4	-	-		
20 04:31	-	-	-	5	7	8	-	-	12	8	13	9	4	-	-	-	11	8	6	-	-	16	9	6	-	-	8	7	10	6	-	-	-	-	-			
21 03:59	7	1	-	-	-	9	7	-	3	-	-	8	13	6	-	-	-	9	-	-	-	5	9	3	-	-	6	-	-	-	-	-	2	-	-			
22 06:20	-	-	10	-	-	-	-	-	-	-	-	-	4	3	8	-	-	-	6	9	12	19	-	-	-	-	-	-	5	-	-	8	4	-	-	-		
23 05:40	-	-	3	-	3	-	-	15	4	-	5	-	-	5	-	-	-	15	9	6	5	11	3	5	-	-	-	-	-	-	-	-	-	3	5	-		
25 06:03	7	-	5	9	4	-	-	-	-	-	7	-	10	12	13	-	-	7	6	12	11	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-		
26 05:15	4	5	6	-	3	5	-	-	-	4	6	12	16	-	-	4	8	8	4	9	5	-	-	-	-	-	-	-	-	4	-	-	4	-	-	-		
27 04:54	-	-	8	-	-	4	-	-	-	4	4	9	10	14	9	5	9	-	-	8	11	4	-	-	10	3	-	-	4	-	-	3	-	-	-	-		
28 04:29	7	5	10	9	7	-	-	7	-	7	-	13	9	-	-	6	9	6	-	-	-	-	6	3	-	-	-	6	4	-	-	-	-	-	-	-		
29 06:20	3	-	3	-	-	-	-	-	-	4	4	-	-	-	4	-	6	6	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	4	-	-		
30 05:36	-	-	-	4	-	-	-	-	-	4	6	-	-	-	4	6	10	-	-	-	-	4	5	5	-	-	-	-	4	4	-	-	-	-	-	3	-	
Oct																																						
1 05:58	-	4	-	-	-	-	-	-	4	5	-	-	-	-	-	-	-	-	-	-	-	-	7	6	4	4	-	-	-	-	4	-	-	-	-			
2 05:22	-	-	-	-	-	-	4	-	-	-	3	6	6	4	-	-	-	-	-	-	-	10	9	9	4	-	-	-	-	4	-	-	-	-	-	-		
3 06:32	-	8	4	-	3	-	4	5	-	-	4	4	4	5	7	9	9	9	-	-	4	3	-	-	-	-	5	10	-	-	-	-	-	-	-	-		
4 04:48	-	-	9	-	-	12	4	-	-	-	11	9	4	-	-	6	5	-	10	10	7	8	4	-	-	4	-	5	-	-	5	-	-	-	-	-		
5 05:45	3	4	3	-	-	4	6	-	-	-	4	-	-	4	8	11	10	11	12	-	-	7	11	4	-	15	8	7	6	4	-	-	-	-	-	-		
7 06:02	-	-	4	-	-	-	11	-	-	5	-	-	-	-	4	8	10	12	18	14	12	12	-	-	-	-	4	4	6	-	-	-	-	-	-	-		
8 04:00	3	-	-	5	9	5	4	-	-	-	6	6	9	9	10	10	12	-	-	4	8	5	-	-	4	5	-	-	-	-	-	-	-	-	-	-		
9 04:43	-	-	7	8	5	-	-	4	4	8	3	-	-	-	-	9	13	11	7	5	13	8	-	-	10	8	5	-	-	5	-	-	-	-	-	-		
10 04:42	4	10	-	-	6	-	-	3	4	-	-	13	11	-	-	-	-	10	8	8	8	5	-	-	4	-	4	-	4	-	5	-	-	-	-	-		
11 04:28	4	5	-	-	-	-	-	7	-	-	13	13	-	-	-	-	-	10	4	-	9	7	4	4	-	-	-	4	-	-	4	-	-	-	-	-		
12 04:50	6	-	-	-	-	8	4	-	-	8	6	12	5	4	5	-	-	9	13	13	11	6	-	-	10	-	-	4	-	-	4	-	-	3	3	-	-	
16 07:58	-	-	-	-	-	4	-	-	-	4	-	-	-	-	-	4	-	-	6	8	9	9	4	-	-	-	-	4	-	-	4	-	-	4	-	-	-	
Nov																																						
1 04:50	-	-	4	4	2	-	-	8	-	-	13	3	-	-	-	-	-	-	10	12	8	5	6	7	-	-	7	6	-	-	-	-	-	-	-	-		
2 06:43	-	3	-	-	9	12	-	7	7	7	-	-	-	-	-	5	10	12	11	10	11	13	7	-	-	7	3	-	-	-	-	6	-	-	-	-		
8 08:17	-	4	3	-	-	-	4	4	6	6	-	-	-	-	8	8	-	-	-	-	-	7	5	4	3	-	-	-	-	-	3	-	-	-	3	-	-	
11 07:05	-	-	-	-	-	-	4	-	-	-	5	-	-	-	-	-	-	6	6	4	5	-	-	-	-	4	-	-	4	-	-	-	-	-	-	4	-	-
15 05:23	-	3	3	-	-	8	8	-	-	6	4	-	-	-	-	-	-	13	12	14	-	-	-	12	7	-	-	-	-	-	-	-	-	-	-	-	-	
16 05:58	-	-	4	-	-	-	4	5	-	-	5	5	-	-	4	4	-	-	-	11	9	6	-	-	6	5	5	4	-	-	-	-	-	-	-	-	-	
25 06:40	5	-	9	6	-	2	3	9	6	6	8	9	8	10	11	4	6	9	7	9	5	7	4	-	-	-	2	3	6	6	-	-	10	-	-	10	6	-
26 06:45	3	-	-	4	-	-	4	-	-	-	4	4	5	-	-	-	13	12	9	3	-	4	-	-	3	-	-	-	5	-	-	-	-	-	-	-	-	-
29 07:03	4	-	-	-	-	3	5	3	-	-	4	3	3	5	-	-	4	11	10	7	-	-	5	-	-	5	4	-	3	-	-	-	-	-	-	-	-	-
30 07:12	-	-	4	4	12	6	-	-	-	3	5	-	-	-	11	7	7	14	14	17																		

IV — 11 (2007)

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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4	-	4	-	-	7	4	3	-	-	-	-	8	3	-	-	9	9	4	4	9	4	11	8	4	4	-	-	7	4	-	-	-	-	-	-	3	-	-			
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-	5	12	7	5	6	11	12	7	4	13	-	-	-	-	10	9	12	15	9	6	5	-	-	9	12	-	-	4	12	-	-	10	5	-	-	-	-	-			
13	7	7	-	-	13	-	-	-	-	-	-	-	-	-	-	-	5	12	5	-	7	9	5	6	7	11	-	-	11	6	-	-	5	10	10	-	-	-			
6	3	4	-	-	-	-	4	11	10	3	-	-	-	-	12	7	-	15	13	11	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
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-	-	3	3	-	9	4	-	6	-	-	-	-	-	-	5	9	11	10	8	6	-	7	5	-	-	-	-	5	4	-	-	3	-	-	-	3	7	-	-		
-	-	5	-	-	4	11	-	-	3	3	7	-	-	-	3	10	11	9	13	12	11	-	-	-	11	5	9	14	-	-	4	-	-	-	-	5	5	-	-		
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-	5	-	7	4	-	-	3	4	-	-	-	7	11	12	10	11	-	13	7	4	-	-	-	-	-	-	-	4	5	6	9	-	4	-	-	-	-	-	-		
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-	-	5	-	-	9	8	5	-	-	-	-	13	9	6	10	11	15	10	5	4	-	-	-	-	-	-	5	-	-	-	-	4	7	-	-	-	-	-	5	-	3
-	-	7	2	-	-	-	10	2	8	-	-	5	13	12	7	6	3	9	5	-	-	-	-	-	6	-	-	-	-	6	4	-	-	-	-	-	-	-	-	8	-
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4	8	-	-	-	12	12	7	-	-	-	2	11	-	12	14	11	-	12	4	7	2	4	10	7	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	
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4	6	-	-	-	-	-	-	5	5	4	-	-	-	3	4	4	6	11	10	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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8	-	-	3	-	-	-	3	8	-	-	-	-	3	-	-	-	7	12	-	-	11	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	9	6	1	1	4	-	-	7	7	-	-	7	10	11	12	12	14	-	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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2007

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 (U T)	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. 26 11:52	0	12	0	0	2	0	3	9	14	2	0	2	9	4	25	14	20	31	22	11	5	20	2	14	7	8	15	17	10	25	22	23	5	0	5	
Feb 10 12:36	9	0	9	7	9	17	4	6	20	12	11	3	1	1	12	9	14	3	0	7	5	26	9	10	16	10	4	0	12	12	3	11	8	5	13	
17 12:47	5	5	0	0	0	0	0	0	0	7	11	16	13	0	5	5	0	0	0	0	8	8	6	0	0	0	1	0	0	1	7	0	0	0	1	
18 07:28	0	6	14	4	9	9	13	0	0	15	8	8	13	10	7	6	11	5	7	12	1	0	0	6	2	16	6	9	16	19	6	15	5	7	11	
19 07:23	5	8	0	2	0	3	0	0	6	0	0	0	5	5	0	7	0	6	5	11	8	8	8	12	10	0	3	2	16	16	13	12	12	7	12	
23 08:20	7	7	5	4	1	8	3	5	4	3	5	9	4	4	5	13	20	27	35	49	43	22	10	22	10	8	14	17	12	18	20	8	12	13	8	
Mar. 11 10:36	1	0	0	0	3	3	6	3	1	4	11	9	11	7	7	0	0	0	5	7	4	8	2	6	8	6	8	6	6	11	18	13	13	12	15	
13 07:24	7	10	8	7	10	15	16	13	11	8	14	9	5	7	13	2	10	9	9	17	24	16	13	11	8	5	11	5	2	12	15	13	4	8	2	
14 07:03	11	9	10	7	3	7	6	8	11	9	11	10	7	12	15	16	17	9	15	17	16	23	18	8	5	13	12	8	7	11	11	9	1	3	2	
16 08:11	0	0	2	0	0	11	17	13	14	16	13	7	10	17	14	16	15	20	19	18	18	11	11	9	15	13	12	13	15	18	19	14	10	6	10	
25 09:49	0	0	4	2	0	9	6	2	12	2	6	7	0	0	0	0	5	8	12	6	14	6	7	7	18	13	0	3	1	6	7	1	7	2	3	
26 08:02	4	5	2	6	0	2	5	6	3	3	10	7	7	8	11	18	16	40	17	14	9	8	1	0	2	0	0	0	0	2	3	0	0	3	2	
27 10:27	0	0	8	9	8	2	2	12	18	15	7	8	5	3	26	32	43	21	27	8	15	20	7	9	0	0	0	0	0	0	2	14	2	0	0	0
31 06:51	12	7	5	7	5	0	8	2	5	0	0	0	5	5	4	16	8	1	3	3	22	11	0	7	3	11	9	5	11	9	4	3	6	5		
Apr. 1 07:28	0	0	0	0	0	5	1	0	0	0	3	0	0	0	0	0	0	9	2	17	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
2 07:00	0	0	4	4	0	0	0	0	0	0	0	3	3	0	0	2	6	9	0	8	1	0	0	0	0	0	0	0	0	0	3	3	0	9	0	
12 06:26	0	2	0	1	1	5	6	6	4	7	4	8	1	12	8	5	6	6	6	3	8	8	2	1	3	1	9	0	0	0	4	0	4	1	0	
13 06:26	0	0	6	0	8	11	11	10	1	12	8	0	3	0	5	1	5	3	0	10	5	0	12	7	4	13	0	5	4	6	10	6	6	5	6	
14 06:17	11	4	0	1	11	2	1	9	4	16	11	15	2	0	8	20	10	9	1	12	4	1	9	0	0	12	10	7	12	3	9	1	0	15	12	
15 06:20	5	3	0	0	5	0	5	1	3	0	2	3	5	1	8	4	0	6	16	21	9	10	3	6	0	2	3	2	8	0	0	11	5	3	0	
17 07:04	4	0	0	0	11	1	1	8	4	15	6	4	0	2	4	17	18	20	24	17	23	24	19	17	7	13	0	19	14	1	21	14	2	22	30	
20 14:01	0	0	0	1	2	13	12	12	7	11	3	4	9	2	5	4	5	12	9	12	7	6	0	4	3	2	0	8	0	1	9	7	1	4	0	0
21 08:37	0	1	3	2	2	3	8	13	0	0	6	4	11	12	4	4	16	23	16	3	0	0	0	0	2	3	2	1	1	5	3	6	0	3	2	
22 08:51	5	0	2	3	7	5	8	5	3	6	1	11	3	8	1	11	19	41	22	10	4	2	0	0	6	2	1	2	1	3	2	1	0	0	0	
26 06:23	0	6	11	8	8	8	0	17	7	1	8	4	7	9	9	8	18	3	21	32	22	28	17	9	2	0	0	6	6	6	4	10	13	0	1	
May 1 12:09	0	3	0	1	0	0	1	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	0	3	
2 06:19	0	0	0	9	0	0	4	2	0	0	0	0	0	0	7	0	6	0	7	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	
3 07:05	0	3	0	0	8	3	8	3	2	1	4	0	0	0	4	3	0	0	0	4	7	3	0	6	0	0	0	0	0	0	0	0	0	0	0	1
4 05:55	3	0	0	0	0	2	0	0	3	0	3	5	0	0	3	4	0	0	0	0	0	2	0	0	0	2	0	0	3	5	0	4	0	0	2	
11 08:02	5	7	5	4	7	8	0	4	0	12	9	3	0	3	4	9	4	15	11	6	0	0	0	0	2	10	4	5	0	1	8	0	2	0	0	
13 08:41	0	9	2	1	0	0	0	4	3	6	7	1	13	1	1	3	8	18	32	11	11	6	2	0	0	0	0	0	1	0	0	6	5	0	2	
17 05:56	6	12	18	2	9	9	16	6	13	8	7	11	16	21	3	27	17	25	13	17	13	14	7	8	14	11	4	14	7	11	13	10	3	5		
20 05:09	3	5	3	8	10	14	20	21	14	3	18	26	23	12	24	26	24	32	14	23	6	17	7	7	8	1	19	7	9	15	4	5	10	7	0	
25 06:39	5	0	2	9	0	2	10	9	7	11	0	4	7	4	1	13	9	14	16	13	13	15	2	14	4	16	1	6	11	11	7	0	5	3	0	
JUN. 12 05:06	4	5	5	0	5	8	6	2	3	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	3	0	11	13	22	0	1	
13 04:57	17	10	0	0	4	2	7	0	0	10	8	9	24	0	3	9	6	0	1	2	11	10	5	6	1	15	0	10	6	4	0	7	7	8		
18 06:45	3	4	0	0	8	0	1	2	6	1	2	2	2	0	1	3	0	0	1	12	5	7	2	6	0	4	5	0	0	0	3	3	4	9	0	
20 04:12	0	0	0	0	0	0	0	7	4	3	5	1	7	0	0	9	1	0	0	0	0	7	3	1	12	5	0	12	9	11	0	4	0	0	0	
22 09:44	0	0	0	0	5	0	1	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	6	0	2	0	0	0	0	
24 04:15	0	7	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	18	4	10	0	0	0	0	0	2	5	9	10	4		
Jul. 8 08:29	0	0	2	4	0	4	1	0	0	6	0	0	0	0	0	9	2	0	0	3	6	2	0	0	0	0	6	0	6	3	0	1	5	1		
16 05:06	0	3	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	0	
17 04:36	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0	3	5	0	13	13	26	17	26	21	18	23	32	35	33	5	
18 05:13	8	2	0	5	0	7	26	9	2	1	5	5	1	1	4	0	1	4	12	4	10	11	14	3	13	9	7	16	15	2	5	15	7	19	13	
20 05:40	6	2	10	17	14	7	7	11	12	19	9	1	12	10	0	20	5	3	4	0	5	3	17	8	12	16	15	4	12	13	24	20	27	12	12	
21 05:31	11	4	2	11	3	13	16	11	15	10	6	0	9	13	6	8	27	2	15	4	21	13	10	9	5	17	19	10	25	25	25	3	15	0	15	
22 05:19	12	7	0	9	12	6	6	11	6	17	0	6	7	0	10	0	4	0	10	5	24	12	32	7	9	0	13	6	0	27	14	11	18	39	5	
24 07:10	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	2	6	2	4	6	7	1	12	17	6	0	0	1	0	0	0	1	0	5		
26 06:56	0	0	0	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	3	6	15	19	22	4	13	0	0	8	6	10	4	0	1	0	3	



IV - 14 (2007)

DATE ( U T )	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						
Nov.																																									
2 13:02	0	6	7	4	8	10	7	1	1	2	4	9	3	0	14	13	4	0	7	2	11	12	8	3	0	6	4	8	5	0	0	7	0	0	0	0					
3 11:43	0	7	0	0	1	5	2	4	13	2	0	1	12	5	11	3	1	0	0	5	0	16	0	4	1	0	2	0	0	0	0	0	3	0	0	0					
17 08:17	8	5	0	0	4	0	0	3	5	13	16	10	0	5	3	8	11	3	0	10	15	9	6	7	5	16	6	6	20	22	20	6	11	0	0						
29 10:27	0	5	0	8	0	0	6	0	0	10	0	0	0	0	0	8	4	9	0	0	0	5	0	0	0	6	4	0	13	1	2	11	4	0	5	5					
Dec.																																									
5 09:08	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	2	7	0	15	12	2	0	21	1	9	7	2	12	19	18						
18 12:31	0	2	0	0	3	0	0	0	0	0	0	0	3	0	0	0	7	0	0	0	8	0	0	0	13	0	6	11	20	0	4	0	3	0	8						
19 07:54	0	19	0	11	0	1	9	7	0	0	4	7	24	3	8	23	11	0	0	0	0	0	17	6	0	17	6	0	8	0	0	25	17	6	0						
21 10:26	0	0	0	0	17	4	0	0	0	0	2	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	3	0	11	0							
23 09:39	0	2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
27 08:59	0	0	0	0	0	0	0	1	0	3	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0						
30 09:20	0	10	2	19	5	0	0	7	0	0	2	0	0	3	3	11	0	4	28	22	31	6	16	8	18	5	15	3	0	7	0	0	2	0	10						

637.46nm

DATE ( U T )	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.																																								
26 12:11	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Feb.																																								
17 13:11	2	0	0	0	2	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	1	0					
18 07:46	0	0	0	0	0	2	0	0	0	0	0	6	1	0	0	1	0	0	0	0	2	2	0	0	0	3	0	0	0	0	0	0	4	0	0	4	0	0	0	
19 07:46	0	0	2	0	0	5	0	0	0	4	0	0	4	0	3	5	4	2	1	5	2	7	0	0	0	6	0	0	1	5	0	1	1	0	2	1	0	2	1	
Mar.																																								
11 11:14	1	4	3	5	1	6	1	5	5	7	4	2	6	5	7	7	7	4	0	6	6	5	4	4	4	7	1	1	2	1	0	4	2	2	2					
13 08:36	5	6	0	6	4	0	4	1	0	2	5	8	0	5	2	8	9	7	0	2	7	0	4	3	7	7	9	4	3	6	9	3	5	0	4					
14 17:35	1	0	1	4	2	1	0	5	3	1	1	1	0	6	4	5	6	4	0	0	5	3	1	2	0	7	3	3	2	0	3	5	4	5	2					
16 08:46	2	2	0	5	0	1	0	2	6	4	4	4	5	0	4	4	6	5	7	9	2	3	3	0	2	2	3	4	5	8	4	4	0	2	6					
25 10:35	0	0	0	1	0	6	2	3	0	15	2	5	0	3	3	1	6	8	3	3	1	0	0	4	5	4	1	0	3	0	4	1	0	0						
26 09:35	0	0	0	0	3	0	0	2	0	5	6	1	4	0	0	0	8	0	0	0	0	0	6	0	0	1	0	4	6	0	4	0	0	1	0					
27 11:18	2	4	6	0	13	1	4	2	0	5	6	7	5	4	5	0	3	15	7	2	7	0	4	6	3	5	6	4	8	3	5	0	3	0	6					
31 07:08	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	1	1	0	0	0	0	0	3	0	1	3	1	1	0	0	1	2	0					
Apr.																																								
1 07:18	0	2	1	12	5	0	0	7	0	3	10	0	0	2	2	12	0	1	9	15	12	3	2	3	3	3	3	0	0	2	0	2	3	5	7					
2 07:17	0	0	6	1	3	1	0	0	0	4	0	0	0	6	0	5	0	1	0	3	0	1	0	3	1	10	7	0	0	2	5	4	2	1	0					
12 07:22	5	1	8	0	0	0	3	10	8	0	2	8	4	0	7	12	1	4	1	5	4	1	6	0	8	0	1	0	0	8	0	4	0	4	0	2				
13 06:59	0	1	0	1	3	0	3	3	0	1	5	6	1	8	7	0	5	8	9	0	4	2	3	0	5	0	0	0	1	0	0	0	0	0	0	0				
14 08:36	0	5	0	0	2	0	0	1	0	0	6	2	0	7	3	0	6	4	0	0	0	5	0	4	0	0	0	0	4	2	0	0	0	2	0					
15 06:43	0	2	0	4	1	0	0	0	0	0	5	2	1	2	0	6	6	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	2	0	0					
17 07:40	0	7	3	0	0	2	6	0	0	8	4	0	4	8	0	9	1	6	0	4	0	6	4	1	0	2	0	0	0	4	0	0	0	0	1	0				
22 08:10	0	1	1	0	0	0	6	0	6	0	0	0	1	1	0	0	0	7	0	0	0	1	2	0	5	2	0	0	4	1	0	6	2	3	1	0				
26 07:08	0	2	0	3	1	0	2	2	4	5	5	5	1	0	0	1	8	5	3	10	7	2	3	6	0	0	4	0	1	1	0	0	0	0	0					
May																																								
1 12:26	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	8	0	0	7	0	0	0	0	1	2	4	7	5	2	2	0	1	11	0	0					
2 05:29	2	9	7	12	0	2	0	7	8	5	0	11	0	8	0	8	0	1	1	2	0	1	0	0	1	0	1	0	0	0	0	1	0	0	7					
3 11:33	0	0	7	0	1	0	3	0	0	0	0	0	3	0	0	6	0	1	0	3	0	0	3	0	0	0	0	0	0	3	0	0	0	0	0	0				
4 05:38	3	5	6	6	2	15	3	8	9	6	7	7	4	7	7	4	9	8	7	5	3	6	4	0	3	10	1	11	0	5	3	5	9	0	4					
11 08:24	0	0	0	2	0	4	0	0	0	3	5	3	0	0	3	0	0	0	0	1	3	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0				
13 09:38	0	3	0	0	1	4	0	4	3	0	0	0	0	4	6	3	0	14	1	5	0	8	3	0	2	7	3	0	5	0	0	0	0	0	0					
17 06:25	0	2	5	2	3	5	4	7	5	6	7	0	4	0	6	2	0	3	0	0	1	4	0	0	4	7	0	0	2	2	0	0	0	0	1	0				
20 05:26	0	4	2	4	0	0	4	0	0	9	10	9	0	10	0	1	7	6	2	1	0	0	3	3	7	0	3	4	8	3	0	1	0							
25 07:30	2	0	0	0	0	6	3	1	0	0	7	0	11	3	0	0	0	2	0	0	0	0	5	0	2	0	1	0	0	8	0	2	5	0	0					
Jun.																																								
13 04:37	1	3	1	3	3	1	10	1	6	2	0	0																												

IV—15 (2007)

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

0 0 0 6 11 7 5 0 0 3 0 6 2 3 0 13 4 5 6 6 0 3 14 5 0 0 4 2 0 0 0 2 7 0 0 3 0  
 0 0 0 0 0 0 0 9 8 13 0 6 8 12 4 4 6 0 7 3 0 0 0 0 4 9 12 6 0 10 2 0 0 0 0 0 0  
 5 0 3 0 0 8 4 1 7 6 0 7 10 14 3 0 3 3 10 11 7 16 3 12 4 0 0 9 2 0 1 0 0 0 2 5 0  
 0 0 3 9 0 1 2 4 2 4 0 4 0 15 0 1 8 6 0 7 6 0 0 0 1 0 0 9 1 2 0 0 0 0 1 5 0  
  
 7 0 12 4 0 5 2 3 6 8 3 0 0 9 10 18 27 4 20 26 25 18 7 27 15 10 2 9 0 0 10 11 11 5 0 0 0  
 8 9 8 13 21 0 15 12 9 15 18 27 10 0 18 3 28 32 48 32 0 0 17 14 31 43 9 25 4 18 8 0 17 11 31 6 0  
 6 0 1 4 17 18 5 19 19 32 23 18 29 23 14 42 28 30 49 28 40 25 25 34 23 39 24 26 0 0 9 0 15 0 0 14 0  
 0 0 0 23 0 12 2 13 1 2 9 20 6 3 0 0 0 0 22 0 0 4 0 0 0 0 19 0 0 0 7 8 14 0 0 0 0  
 0 0 0 0 0 0 0 0 0 0 0 0 0 4 3 0 0 0 0 0 4 0 0 0 0 6 7 0 0 5 0 0 0 0 0 0 0  
 0 0 0 0 1 0 0 2 0 3 0 0 4 0 0 0 0 4 2 3 0 0 0 0 2 1 0 3 1 3 0 1 0 0 0 0 0 0  
 7 4 0 0 10 11 0 28 8 9 12 10 2 8 3 0 13 21 0 14 0 0 0 0 11 13 22 0 2 10 0 0 2 3 0 0 0 0

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

0 0 0 0 0 0 0 0 0 0 0 2 5 0 0 0 0 6 0  
 0 0 0 0 2 0 2 3 0 0 0 4 0 0 4 4 4 8 11 0 1 0 2 3 0 0 1 3 0 10 5 4 0 2 7 2 0  
 4 0 0 0 0 3 0 0 3 0 0 3 0 0 7 0 7 3 2 12 0 0 5 3 4 6 0 4 1 5 6 4 0 0 0 0 2  
 0 3 1 0 4 0 3 3 1 0 0 0 3 2 6 5 12 8 6 4 10 12 9 2 6 6 10 0 0 1 1 12 0 2 4 0 0 3  
  
 0 5 2 4 1 2 4 3 0 2 2 5 3 5 4 0 5 7 12 2 10 6 4 7 9 6 4 6 3 0 1 4 7 7 6 5 0  
 1 0 2 3 0 0 5 5 3 5 1 5 4 12 7 5 9 9 10 9 16 20 18 9 11 9 3 11 6 8 7 5 3 2 5 3 2  
 3 4 4 1 0 1 2 2 0 7 1 4 5 9 7 7 5 7 13 17 18 20 20 11 8 6 4 10 6 5 1 1 3 4 0 1 4  
 3 3 3 1 2 2 0 3 4 3 1 5 4 2 0 0 3 3 2 4 5 4 5 4 6 3 6 4 2 4 4 2 0 1 0 0 0  
 0 1 0 0 0 2 0 2 3 4 4 1 2 5 10 13 4 3 6 5 2 9 9 2 4 8 1 2 0 1 7 3 3 2 0 2 2 0  
 1 0 0 0 2 0 2 1 2 6 4 0 8 6 2 7 15 5 5 6 0 6 1 3 2 2 0 4 2 3 1 0 5 4 0 0 0  
 2 2 4 2 4 5 8 8 2 14 13 3 11 6 4 6 17 9 7 10 14 7 10 4 7 14 16 5 10 17 9 3 6 6 2 2 2  
 1 1 0 2 6 0 3 0 1 0 1 1 2 0 4 0 0 0 0 1 0 0 2 1 0 0 0 0 0 0 0 3 0 3 0 0 0 0  
  
 8 0 3 0 4 9 0 5 9 4 4 0 12 0 0 0 10 6 7 11 1 14 5 3 6 6 6 9 8 2 0 0 0 0 0 0  
 0 1 0 0 0 0 0 0 3 1 3 0 1 0 1 3 2 0 0 0 1 0 0 7 6 0 4 0 2 4 0 4 0 0 4 5 0  
 2 0 0 1 6 0 0 2 0 8 0 0 8 9 4 0 6 5 11 5 10 7 2 0 0 0 6 7 7 4 8 0 9 8 0 0 0  
 0 1 0 0 1 0 0 0 2 6 1 0 4 2 4 0 5 5 0 1 0 3 2 1 0 8 6 6 1 4 0 5 4 0 0 0 0  
 0 0 0 1 0 0 0 2 0 2 1 0 0 4 4 5 4 5 0 2 5 7 0 5 0 3 1 6 0 0 1 0 1 0 0 0  
 0 0 0 0 0 0 1 0 0 0 2 2 2 7 3 5 0 0 0 2 2 0 0 2 7 1 1 4 4 2 3 4 0 1 4 0 3  
 7 0 0 4 0 0 13 0 4 2 2 11 5 1 4 2 1 5 2 0 0 0 0 0 6 8 0 14 0 0 7 0 9 13 0 0  
 1 4 0 1 0 2 2 0 2 8 8 0 7 4 2 7 2 8 4 1 1 0 8 1 0 5 6 12 6 3 0 0 0 5 1 0 3  
 1 0 0 0 1 0 0 2 0 8 1 0 8 0 0 0 0 0 4 3 2 0 5 0 0 6 2 5 0 0 1 1 6 0 0 0 0 0  
  
 0 0 0 6 0 0 0 0 6 0 7 13 3 0 8 0 0 6 5 7 6 0 1 10 0 12 1 0 4 0 2 2 0 3 0 9 0  
 0 0 8 0 0 0 6 16 2 3 11 7 8 0 0 17 4 6 0 4 5 0 2 0 0 0 0 0 0 3 0 7 0 0 2 0 2  
 6 2 0 2 0 0 0 0 8 0 3 0 0 0 3 0 4 0 5 7 2 0 0 3 0 13 0 1 0 0 0 0 0 1 0 0  
 0 3 7 6 0 0 10 3 10 7 8 9 11 12 6 5 5 8 4 7 8 7 7 12 8 17 5 6 13 9 11 15 3 6 6 10 3 7  
 0 0 0 0 0 4 6 2 0 3 0 6 4 2 3 0 0 0 0 3 0 0 2 2 4 0 0 0 0 3 0 0 0 0 0 0  
 0 0 0 4 0 3 0 5 1 2 0 2 10 8 0 5 0 1 7 1 0 0 4 8 11 4 3 3 1 2 2 2 0 0 2 0  
 0 0 0 5 4 0 5 2 0 0 3 7 1 4 2 0 1 14 6 7 3 5 12 4 2 7 3 0 3 5 0 0 1 3 0 0  
 0 0 0 0 0 6 3 5 3 0 0 0 7 4 1 2 0 6 9 16 8 5 0 4 0 0 2 0 4 0 0 6 0 0 0 5  
 0 0 0 0 7 0 6 5 1 6 0 0 0 0 0 0 0 0 8 2 0 1 0 7 0 0 4 0 0 1 0 0 0 0 0 0  
  
 0 0 0 2 3 2 0 0 0 0 4 1 0 3 5 4 2 2 6 8 3 0 0 0 3 6 7 0 0 0 2 4 4 11 0 6 6  
 0 1 3 0 0 0 4 2 1 3 9 1 7 6 6 5 4 14 2 0 3 9 3 1 1 0 0 0 2 2 1 0 2 0 4 2  
 0 0 2 0 0 0 0 0 0 1 3 7 4 0 0 2 0 0 6 6 1 0 0 7 7 2 0 1 6 0 0 4 0 0 0 0 0  
 0 3 3 4 0 0 2 3 0 0 0 0 0 0 5 0 0 0 0 0 4 0 0 0 10 3 2 1 0 0 2 3 1 0 0 0  
  
 0 0 0 0 12 0 0 0 0 3 0 1 2 0 0 0 0 4 0 4 4 5 4 1 0 1 0 0 0 0 1 0 0 0 0 0  
 3 1 6 7 0 0 7 3 1 0 1 0 2 2 0 0 0 0 4 0 4 0 2 0 10 0 6 4 2 1 0 0 0 2 0 0  
 0 2 1 7 6 0 0 0 4 5 4 0 0 0 0 0 3 3 9 0 0 1 0 0 0 6 2 6 9 4 5 7 10 7 0 3 0  
 0 6 2 4 0 0 0 7 0 0 0 0 0 0 0 0 0 0 0 0 6 0 0 2 0 0 0 0 0 2 0 6 0 0 0 0  
 0 0 0 0 0 0 0 0 2 0 0 0 0 4 0 3 2 1 0 0 0 0 0 0 0 4 0 0 3 0 0 0 2 0 10 4  
 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 5 0 1 0 6 13 6 0 0 0 0 4 0 0 3 0 0 0  
 0  
 0 2 2 3 1 0 2 2 0 0 3 2 0 0 2 0 2 0 3 4 3 0 0 0 0 0 0 1 0 0 0 0 1 0 0 0 0  
 0 0 3 4 0 0 5 4 3 2 14 3 4 5 7 8 0 3 2 14 10 13 1 7 11 1 8 4 0 6 3 4 6 0 3 1 0  
  
 2 0 0 0 0 0 2 1 2 3 4 2 0 0 3 0 1 4 0 0 3 0 2 6 3 0 0 2 0 7 4 2 3 0 0 0 0  
 0 0 0 0 6 0 7 0 9 6 0 9 9 2 4 14 7 14 6 3 0 7 14 2 0 1 0 6 0 0 0 0 5 8 0 0  
 0 0 0 2 5 0 0 5 0 5 0 0 0 0 1 0 0 1 0 0 0 1 7 0 0 1 0 0 0 1 1 0 6 0 0 0  
 4 0 0 0 2 0 0 0 0 0 0 0 0 0 0 2 2 3 3 0 0 0 0 2 0 2 2 0 0 0 1 0 0 0 1 0 0  
 0 0 0 0 0 0 0 0 0 0 3 0 0 0 0 0 0 0 0 0 0 0 5 2 0 0 0 6 4 0 0 0 0 0 0 0  
 0 0 0 0 3 4 6 0 4 3 0 7 6 6 6 0 7 2 0 4 9 3 0 0 7 0 4 0 2 6 0 0 0 0 0 0 0 1  
 0 0 0 3 0 5 0 1 0 3 4 0 0 1 6 7 2 6 0 0 0 9 7 0 0 1 5 4 3 0 6 3 0 0 0 0 1  
 0 2 0 4 2 0 0 4 0 1 2 2 0 5 0 2 0 2 0 0 0 1 0 1 0 0 1 0 1 0 0 1 0 0 0 0 0  
  
 0 0 0 0 0 1 0 0 0 0 0 0 1 2 5 1 4 12 4 15 7 0 0 0 2 0 2 2 3 5 0 1 1 0 0 0 0  
 2 0 1 0 6 0 2 4 0 2 0 0 5 0 0 0 0 0 2 7 0 0 2 0 2 0 0 5 5 4 2 4 0 0 0 0 0  
 0 0 0 0 0 1 1 2 0 4 0 4 3 4 3 0 3 0 4 4 0 0 4 0 0 4 0 3 0 4 5 5 2 0 1 0 0 0  
 0 0 0 0 0 0 3 0 0 5 0 0 0 0 0 0 0 0 0 0 0 0 2 4 0 2 2 0 0 3 3 0 0 2 3 2 0  
 0 3 0 0 3 0 5 5 7 7 4 11 5 7 3 0 2 6 7 6 2 6 2 0 0 3 0 0 3 4 3 0 1 1 0 0 0  
 0 0 0 0 4 4 5 3 5 7 12 4 7 7 4 7 4 7 5 3 0 4 4 7 2 0 3 5 0 7 4 2 0 2 0 0 0  
 0 1 0 3 4 2 4 0 2 1 2 4 3 4 3 2 4 0 1 4 3 1 4 6 4 2 0 1 0 1 2 0 1 0 3 2 2  
 2 0 0 3 6 0 1 1 0 3 3 4 0 4 1 3 3 5 4 0 0 2 0 1 0 2 0 0 0 1 3 4 1 0 0 0 0  
 0 0 0 0 2 2 0 1 0 0 0 0 0 1 1 0 2 2 0 2 2 0 0 0 2 2 1 2 0 2 0 0 0 0 0 0  
 1 0 0 0 0 0 0 0 0 0 1 0 1 0 0 0 0 0 0 0 0 0 1 1 0 0 1 0 0 0 0 0 0 0 0 0 0

IV-16 (2007)

DATE (U T)	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		
Oct.																																					
4 11:39	1	0	0	0	6	3	9	3	4	0	0	0	1	0	0	5	4	2	0	9	0	0	2	3	1	0	2	3	2	0	2	0	0	0	0		
6 08:49	0	0	0	1	0	1	2	0	0	2	1	0	0	5	3	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
8 07:40	0	0	0	1	2	1	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0		
9 10:49	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0		
15 12:03	1	0	0	0	0	0	5	0	2	0	8	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	4	0	0	0	15	0	0		
16 07:11	0	6	16	0	18	0	22	15	0	6	18	0	0	13	0	0	0	0	0	0	0	0	8	0	26	0	0	0	0	0	4	1	13	10	0		
17 06:26	0	0	13	0	3	0	0	0	0	6	7	1	11	0	21	17	7	0	11	11	0	9	10	0	9	10	13	1	24	7	21	22	11	5	0		
21 11:17	0	0	0	4	0	5	0	3	3	0	0	2	5	5	0	0	6	9	6	11	9	9	2	14	11	2	5	4	7	2	1	3	0	2	0		
29 08:56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	7	0	0	0	0	0	0	4	2	9	8	0	
Nov.																																					
2 13:38	0	0	0	0	0	2	1	5	5	0	1	1	7	0	5	0	1	7	0	6	4	0	0	3	3	0	0	0	3	0	0	0	0	0	2		
3 10:41	1	0	0	0	2	1	0	5	0	2	0	0	1	3	2	4	0	4	1	0	5	5	5	1	4	10	2	5	7	5	2	6	5	3	0		
17 11:34	0	0	4	0	1	0	4	4	0	1	5	0	6	6	0	0	0	0	6	0	1	0	0	0	6	0	1	0	2	0	1	0	3	0	0		
Dec.																																					
5 09:22	0	11	16	0	19	7	0	0	6	6	17	7	11	0	8	2	9	6	0	29	2	7	0	6	21	2	21	8	10	16	5	9	1	1	9		
18 12:13	4	4	0	0	1	0	0	2	0	0	15	0	0	1	0	0	0	0	5	1	0	0	0	2	0	5	0	1	6	0	0	0	9	0	0		
19 08:11	0	0	9	4	18	9	0	0	8	0	0	0	8	0	14	6	0	0	14	25	13	6	0	0	0	2	0	0	0	0	0	3	0	3	0	12	
21 12:00	0	4	7	9	13	0	10	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23 10:16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	
27 09:48	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	3	0	2	0	1	0	0	0	0	0	0	2	1	0	0	0	0	0	0	
30 10:19	13	3	4	14	9	6	4	7	6	8	11	9	2	13	7	10	0	14	2	21	6	20	0	0	8	0	1	0	1	0	0	0	0	4	0		



# IV - 17 (2007)

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	
0	0	0	0	4	0	7	2	0	0	0	0	0	0	2	0	6	3	0	0	1	0	1	0	0	7	5	0	0	3	0	0	4	0	0	1	0	
0	0	0	0	0	0	3	0	0	0	0	0	0	0	1	0	6	2	0	0	5	0	0	0	0	0	0	0	0	2	0	0	2	0	0	0	0	
0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	
0	0	0	0	2	0	0	1	0	1	0	0	2	0	0	0	0	2	0	1	2	0	0	0	0	0	0	1	1	1	1	1	1	0	0	1	0	0
0	0	0	0	0	2	0	0	0	0	5	0	1	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	1	0	4	0	0	
15	0	21	0	10	10	6	0	11	0	0	0	0	0	8	0	5	1	0	14	0	1	0	1	23	3	0	5	0	0	2	0	9	0	5	17	0	
15	10	11	22	11	22	20	14	6	16	5	0	7	2	6	3	10	0	0	9	14	0	0	0	0	0	0	0	7	0	0	0	2	0	0	0	3	0
0	0	0	0	2	0	0	0	4	0	5	11	13	10	0	4	0	8	11	4	5	8	10	0	0	7	7	9	0	8	0	0	2	0	0	7	0	0
0	3	6	0	6	17	7	0	0	5	1	0	2	6	0	4	4	2	9	0	1	3	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	2	4	1	0	0	0	7	4	8	7	5	0	0	0	4	7	6	1	4	0	0	0	2	4	0	0	0	0	0	0	0	0	0
0	2	0	3	0	0	4	3	4	4	6	4	7	2	2	2	0	0	2	0	4	7	6	0	0	0	3	0	0	1	1	0	0	2	0	0	0	
0	0	0	6	2	6	0	4	5	2	1	2	0	0	6	6	0	3	2	5	3	0	2	4	0	2	0	4	0	4	0	0	2	0	0	0	0	0
13	0	0	11	0	0	0	28	0	0	0	2	5	0	0	0	6	0	5	0	0	0	14	4	14	0	0	9	3	0	4	1	14	5	1	0	0	
16	0	7	9	0	0	0	6	12	5	13	5	4	2	0	8	13	8	0	2	10	4	13	3	1	8	0	11	0	12	0	0	0	0	0	0	0	0
0	6	8	7	18	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	11	13	0	17	0	6	9	0	10	0	8	4	0	0	
0	0	7	0	2	1	0	1	0	0	2	12	0	2	0	10	0	7	14	19	0	2	8	3	0	0	0	4	0	12	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	3	2	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
0	4	1	0	0	0	0	0	6	0	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	6	3	0	1	9	13	7	6	5	0	