

Solar Bulletin

THE AMERICAN ASSOCIATION OF VARIABLE STAR OBSERVERS - SOLAR DIVISION

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Daily Mean Sunspot Numbers for January 2000

Day	Mn. Raw Ra	s.d.	Mn. RaK	s.d.
1	75	2.8	64	2.1
2	70	3.1	61	1.9
3	74	4.1	66	2.5
4	95	6.5	86	5.5
5	89	5.4	74	4.0
6	91	5.5	76	4.1
7	102	6.2	85	5.0
8	88	4.1	75	3.1
9	93	5.8	78	4.6
10	82	4.6	66	3.1
11	122	9.3	99	4.6
12	159	10.5	138	8.7
13	177	12.1	149	9.5
14	181	13.1	149	9.6
15	208	15.6	167	9.8
16	164	11.0	138	8.0
17	159	13.5	127	8.4
18	154	10.2	129	5.2
19	139	11.1	121	5.7
20	127	7.5	108	3.7
21	116	6.0	97	4.3
22	113	7.1	101	4.3
23	95	6.0	83	3.5
24	103	5.0	81	3.2
25	106	8.7	83	4.5
26	90	5.9	73	5.0
27	80	4.9	72	3.6
28	75	3.1	63	1.9
29	76	3.9	67	2.2
30	69	4.9	60	3.5
31	78	4.0	64	1.8

Means: 111.3 93.6

No. of Observations: 813

Days ID	Name	Days ID	Name
10	ATON A. Attanasio	20	TESD D. Teske
5	BLAJ J. Blackwell	29	VALD D. del Valle
10	BMF M. Boschat	7	VARG G. Vargas
25	BOSB B. Bose	12	WILW W. Wilson
25	BRAB B. Branchett	22	WITL L. Witkowski
10	BRAD D. Branchett	3	WYDK L. Wydra
18	BRAR R. Branch	19	YESH H. Yesilyaprak
13	BROB R. Brown		
13	CARJ J. Carlson		
26	CHAG G. Morales		
17	CKB B. Cudnik		
12	CLEC C. Clemens		
8	CLZ C. Laurent		
29	CR T. Cragg		
23	DRAJ J. Dragesco		
9	DUBF F. Dubois		
21	FEEC C. Feehrer		
19	FERJ J. Fernandez		
21	FUJK K. Fujimori		
5	GALM M. Gallo		
22	GIOR R. Giovanoni		
15	GOTS S. Gottschalk		
7	HALB B. Halls		
9	HAYK K. Hay		
7	HRUT T. Hrutkay		
1	JENS S. Jenner		
7	JENV V. Jennings		
20	KAPJ J. Kaplan		
18	KNJS J&S Knight		
20	LARJ J. Larriba		
12	LERM M. Lerman		
19	LEV M. Leventhal		
13	MALK K. Malde		
24	MARJ J. Maranon		
24	MCE E. Mochizuki		
4	MCHL L. McHenry		
15	MMI M. Moeller		
8	NYLH H. Nylander		
18	OBSO IPS Obs.		
20	RICE E. Richardson		
17	RITA A. Ritchie		
10	SCGL G. Schott		
7	SIMC C. Simpson		
6	STEF G. Stefanopoulos		
14	STEM G. Stemmler		
24	STQ N. Stoikidis		
21	SUZM M. Suzuki		

Sudden Ionosphere Disturbances Recorded during January

Prepared by
Casper H. Hossfield

Below are recordings of a big solar flare that occurred on 18 January. These sudden ionospheric disturbances, SID, were recorded as sudden enhancements of the signal, SES, from very low frequency, VLF, Navy radio station, NAA in Cutler, Maine, USA, operating on 24 kHz. They were made by Werner Scharlach, A-9, in Tucson, Arizona; Jerry Winkler, A-52, in Houston, Texas, and new observer Carl Feehrer, A92, in Bedford Massachusetts, all in USA.

