

FINAL AMERICAN RELATIVE SUNSPOT NUMBERS: 1945.0-1987.5

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Received 1 December 1987

Abstract

Final monthly mean American Relative Sunspot Numbers are provided. The values encompass the period that began with the program's inception in 1945 and extend through June 1987.

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The monthly mean values of American Relative Sunspot Numbers listed in Table I, and yearly mean values listed in Table II, were computed according to methods outlined in Shapley (1947) and in Taylor (1985).

REFERENCES

Shapley, A. H. 1947, *Publ. Astron. Soc. Pacific* 61, 358.
Taylor, P. O. 1985, *Journ. Amer. Assoc. Var. Star Obs.* 14, 28.

TABLE I

Final Monthly Means

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1945	18.5	11.8	19.7	31.6	26.6	37.3	37.4	24.6	34.0	71.3	46.3	28.4
1946	55.2	92.0	87.5	81.0	83.5	79.6	115.1	112.7	115.7	112.7	136.2	127.4
1947	128.2	145.5	153.0	161.0	224.2	166.3	166.6	216.4	195.0	191.7	155.0	148.3
1948	130.1	107.3	103.8	222.5	194.8	203.6	184.3	205.0	174.6	166.3	129.9	177.1
1949	153.3	228.0	198.8	190.7	147.4	154.5	153.6	163.7	183.7	172.2	190.9	152.1
1950	125.8	117.4	134.6	139.5	129.8	99.3	104.7	106.8	65.4	77.1	72.8	71.2
1951	53.8	54.0	49.0	89.6	91.7	85.4	58.3	55.6	85.2	50.8	56.7	42.9
1952	38.6	21.8	23.3	27.3	22.2	36.0	39.4	53.2	26.1	22.5	22.5	33.5
1953	26.6	4.0	7.9	24.8	10.9	19.6	6.4	23.1	15.7	7.2	1.7	1.6
1954	0.1	0.3	8.0	0.6	0.2	0.2	2.1	8.1	0.3	4.7	8.0	7.7
1955	23.3	22.6	4.7	9.7	24.7	23.4	23.2	36.8	40.7	56.5	82.0	67.5
1956	67.2	106.4	105.9	102.4	117.3	106.0	117.9	155.7	159.5	139.9	173.1	159.8
1957	129.1	107.2	133.5	161.2	151.5	181.6	160.4	139.7	207.2	229.2	191.3	227.9
1958	199.2	141.9	187.0	179.7	171.9	152.1	178.2	192.0	198.4	165.9	126.7	172.5
1959	199.3	118.9	158.3	150.4	139.6	150.7	141.6	179.8	136.4	112.7	122.3	129.9
1960	146.1	103.3	93.0	110.9	104.1	99.2	107.6	120.0	114.8	72.7	78.8	74.8
1961	46.3	36.5	46.3	57.7	40.9	65.3	59.8	42.0	51.4	28.8	27.2	34.0
1962	29.7	41.2	34.0	38.7	34.8	32.5	15.6	14.8	41.4	34.8	22.6	17.6
1963	14.7	19.1	12.8	23.9	36.8	29.4	15.7	26.7	31.2	28.4	19.2	8.2
1964	11.6	14.4	11.1	4.8	6.8	6.1	2.2	7.8	2.1	3.7	5.3	13.4
1965	15.6	13.3	9.1	6.4	17.7	11.4	7.7	4.5	15.0	15.6	14.2	14.3
1966	20.9	22.8	19.4	34.6	30.5	36.6	47.2	46.1	40.9	50.6	50.0	64.3
1967	101.4	85.6	105.0	61.9	87.2	62.3	82.4	96.7	68.5	84.2	82.6	117.2
1968	113.5	99.2	80.6	67.0	124.3	101.8	90.2	99.5	113.0	99.4	79.0	102.4
1969	103.5	113.3	134.0	102.4	120.9	105.5	92.5	96.3	88.9	96.4	94.7	106.7
1970	113.7	132.2	98.3	104.1	124.3	101.3	114.0	98.1	106.6	98.1	107.5	90.4
1971	90.8	77.8	61.1	74.9	54.6	44.9	83.0	60.2	50.3	52.3	64.9	83.0
1972	60.9	87.0	80.8	62.7	75.7	81.7	74.5	73.8	66.2	63.0	39.4	42.3
1973	38.8	40.5	44.9	56.4	39.5	37.9	20.8	25.5	61.3	30.0	24.2	20.5
1974	27.4	25.2	19.1	36.6	36.7	32.6	50.0	32.7	39.6	48.4	21.3	18.5

TABLE I (cont'd)

Final Monthly Means

1975	16.7	11.2	10.3	4.0	7.3	10.3	28.5	39.1	11.9	8.1	18.8	6.6
1976	8.3	3.8	21.1	16.9	11.2	10.9	1.4	13.7	12.8	19.1	4.3	15.5
1977	15.5	23.0	8.0	10.7	16.0	34.4	18.3	27.6	41.9	45.5	28.4	42.8
1978	48.8	90.9	73.9	97.5	79.6	88.0	58.1	48.1	128.1	116.0	92.8	121.0
1979	164.4	136.8	132.5	95.8	121.8	136.4	140.5	125.1	184.0	178.2	176.5	157.6
1980	146.7	131.0	111.0	148.7	176.5	158.8	144.7	134.5	151.4	163.0	155.6	166.9
1981	115.4	143.7	149.2	169.2	141.3	99.0	154.3	170.4	174.5	157.0	138.8	145.0
1982	110.4	161.0	155.5	121.9	82.6	113.5	103.5	110.5	117.8	90.1	93.2	121.7
1983	82.8	53.4	60.5	74.5	97.7	93.1	82.2	69.2	47.4	52.3	30.2	32.3
1984	54.4	81.5	83.0	66.5	72.1	45.2	36.2	24.5	13.6	9.8	19.4	17.0
1985	14.5	16.3	11.8	17.1	24.0	22.2	30.8	10.7	3.4	16.5	16.4	10.1
1986	2.3	23.8	12.5	13.8	11.6	0.8	17.7	7.6	3.5	19.8	14.4	5.1
1987	9.4	3.0	13.3	39.4	30.7	18.0						

TABLE II

Yearly Means

1945)	32.3	1955)	34.6	1965)	12.1	1975)	14.4	1985)	16.2
1946)	99.9	1956)	125.9	1966)	38.7	1976)	11.6	1986)	11.1
1947)	171.0	1957)	168.3	1967)	86.3	1977)	26.0		
1948)	166.6	1958)	172.1	1968)	97.5	1978)	86.9		
1949)	174.1	1959)	145.0	1969)	104.6	1979)	145.8		
1950)	103.7	1960)	102.1	1970)	107.4	1980)	149.1		
1951)	64.4	1961)	44.7	1971)	66.5	1981)	146.5		
1952)	30.5	1962)	29.8	1972)	67.3	1982)	115.1		
1953)	12.5	1963)	22.2	1973)	36.7	1983)	64.6		
1954)	3.4	1964)	7.4	1974)	32.3	1984)	43.6		