

Table 1: Values of 60-day winter period (December – March) means of the sunspot number R and daily sums of geomagnetic index Kp.

Year	Dec 1 - Jan 29		Dec 16 - Feb 13		Dec 31 - Feb 28		Jan 15 - Mar 15		Jan 30 - Mar 30	
	ΣKp	R	ΣKp	R	ΣKp	R	ΣKp	R	ΣKp	R
1950	20.9	55.0	22.4	52.0	22.8	59.7	18.1	110.9	18.4	103.0
1951	23.8	44.0	24.2	41.2	25.6	33.1	24.9	59.8	25.0	59.9
1952	20.0	31.4	18.3	24.6	19.9	15.8	26.5	24.7	27.7	20.6
1953	13.6	1.4	14.4	1.5	17.9	0.4	20.3	7.1	21.5	6.2
1954	13.8	15.2	15.8	21.7	16.8	22.1	20.1	2.3	22.0	5.9
1955	17.5	76.2	18.6	68.3	20.1	96.9	18.3	16.3	18.2	12.8
1956	17.8	180.9	18.5	163.5	20.0	149.0	20.1	110.4	20.5	118.9
1957	22.2	224.3	22.4	216.4	23.9	185.8	21.9	144.9	23.4	143.3
1958	19.4	204.1	20.8	178.2	22.2	182.0	25.9	170.8	27.2	173.9
1959	21.9	134.3	19.7	140.2	19.5	128.0	21.8	166.8	23.4	163.7
1960	21.5	72.0	19.3	61.5	18.2	53.4	20.2	111.5	19.3	105.2
1961	13.0	38.3	11.8	39.4	13.1	44.1	19.1	44.3	18.4	49.6
1962	15.0	21.5	15.6	22.3	13.4	21.7	14.2	48.0	14.5	48.7
1963	15.9	15.0	16.3	11.0	16.9	16.0	14.9	22.7	13.1	20.6
1964	10.3	16.2	11.4	19.1	12.7	16.0	17.4	16.3	17.7	17.4
1965	12.1	22.5	12.3	24.5	12.4	26.6	13.1	15.1	13.8	13.2
1966	15.7	89.6	15.0	93.8	14.3	102.1	13.3	26.1	14.2	24.4
1967	18.7	121.7	19.4	126.0	19.8	117.0	12.5	103.8	13.2	103.4
1968	15.0	107.9	15.8	104.1	15.8	112.1	19.2	100.9	20.1	103.5
1969	12.2	103.7	11.9	114.5	12.1	119.3	18.0	108.8	19.1	126.9
1970	14.6	87.0	15.2	82.2	17.2	85.1	14.7	123.7	14.7	115.6
1971	16.4	72.1	17.4	65.3	17.3	73.9	18.5	82.6	17.2	70.6
1972	17.9	45.3	19.8	44.7	22.4	43.1	18.1	82.9	16.3	85.0
1973	18.3	26.3	19.7	26.6	20.8	26.4	21.5	43.1	24.2	43.3
1974	21.4	20.3	22.4	21.1	22.2	15.3	22.5	25.9	23.4	22.7
1975	18.2	8.1	20.1	5.6	20.5	6.3	22.9	12.4	23.6	11.3
1976	15.5	16.1	17.0	18.6	17.0	19.5	23.4	6.8	23.8	12.6
1977	15.6	45.5	16.5	62.5	19.3	71.6	17.1	18.2	17.7	15.4
1978	19.8	144.8	21.3	144.3	21.3	153.2	18.8	78.6	21.5	86.0
1979	15.7	168.4	15.6	155.9	16.0	156.6	21.3	149.1	21.4	137.7
1980	16.8	144.0	17.8	142.2	17.5	127.9	14.4	138.1	14.1	139.3
1981	16.7	127.5	21.2	126.6	24.4	135.9	19.0	133.1	20.4	138.8
1982	22.3	105.6	24.6	83.1	23.2	68.5	26.0	151.5	26.1	161.1
1983	19.6	43.6	19.9	55.0	20.6	69.4	24.8	64.4	25.1	61.1
1984	22.2	17.6	22.0	16.3	20.7	16.2	21.4	78.0	23.1	83.8
1985	18.5	9.8	20.0	14.7	21.5	12.2	20.0	16.9	18.7	16.2
1986	14.5	8.5	14.5	7.1	15.3	6.7	21.9	17.5	21.6	19.4
1987	16.1	42.6	16.2	48.5	17.9	49.7	16.6	8.5	16.6	8.9
1988	21.3	171.0	24.1	173.5	22.7	163.2	17.4	50.6	18.2	56.8
1989	20.8	170.4	21.5	160.7	23.5	155.8	25.7	152.7	26.9	148.3
1990	13.6	130.1	14.9	131.9	15.9	150.7	23.6	142.9	26.0	138.1
1991	20.9	144.7	22.9	151.5	23.8	154.9	17.5	154.9	20.9	157.3
1992	20.7	72.1	21.8	74.1	21.7	73.7	23.2	143.0	24.4	136.8
1993	20.1	54.4	22.9	52.1	24.2	48.1	22.5	76.0	24.3	78.8
1994	18.7	24.8	19.4	24.6	18.8	26.4	26.7	40.4	27.1	33.6
1995	14.3	10.7	15.2	8.3	16.1	7.9	19.9	31.3	19.9	30.7
1996	12.7	9.5	13.5	8.8	14.8	6.5	16.6	5.2	17.6	7.3
1997	9.5	37.0	10.8	32.5	12.2	35.9	14.6	7.9	14.9	8.1
1998	15.0	73.5	14.8	60.7	15.7	64.5	13.9	43.4	15.5	46.9
1999	17.1	88.5	17.9	92.2	20.0	99.4	17.7	70.1	16.9	66.5
2000	13.4	100.7	12.9	101.5	12.9	88.4	18.8	110.9	17.3	122.7
2001	15.0	123.3	16.4	120.8	15.4	111.2	13.9	82.1	15.2	95.4
2002	18.8	81.2	20.7	75.1	20.9	63.2	15.4	104.5	15.6	102.7