

## North Mountains Indian Weather Time Scales

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**History:** I have conducted many researches on the Indian weather and proposed hundreds and thousands of Indian weather Time Scale pertaining to the all Homogeneous Regions, Meteorological Subdivisions, states and districts of India which can help to forecast the weather changes in advance in 1980, Sri G. Surya Rao MLA had sent these Indian weather time scales to the chief minister of Andhra Pradesh for consideration and necessary action in 2004, some consultations were made with the planning department to implement the Indian weather time scale at the directorate of Economics & Statistics department in 2006, some correspondences were made with the environment, forest, science & Technology department for implementation of the Indian weather time scale the same scales were sent to the chief minister of Andhra Pradesh in 2003. And the same was again submitted to the chief minister of Andhra Pradesh in 2006. Many consultations were made with the commissioner for disaster Management in the years of 2008,2009 about the implementation of Indian weather time scale. In 2010, these scales were consulted with the A.P state council of science & Technology in 2008, Sri T. Subbirami Reddy, Honable Union Minister of state had recommended the Indian weather time scale to the Indian Meteorological department for implementation in the services to the country. Later consultations were made with the India meteorological department about the Indian weather time scale during the years of 2008-2008.

**Abstract:** I have conducted many extensive researches on the astronomical forces and its effects on the earth climate particularly on various regions of the India. The variations in the solar cycle affects and stimulate the earth climate. The moon affects and stimulate the ocean tides and atmosphere too. The movement of axis of the earth inclined at  $23 \frac{1}{2}$  degrees from vertical to its path around the sun affects and stimulate the earth weather and leads to formation of monsoons and seasons etc. So the astronomical forces affect and stimulate the earth climate it may be more or less but it is true. These scales may be taken as a part of scientific study of astronomical forces & its effects on the earth climate.

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**Keywords:** Indian weather, astronomical forces.

### Introduction:

In the time and scale of the universe some things from astronomy to atom including living beings have been repeating once in every certain time or period. For example, the south and north magnetic poles have been shifting in every certain period. The sun spots have been repeating once in every eleven years. The lunar and solar eclipses have also been occurring once in every 18.6 years. The seasons such as winter, autumn etc. also have been repeating once in every year in the same month of the year. The periodical menses in the females repeating once in every month.

**Construction:** On the basis of the said universal facts, I have prepared a time scale with 21 blocks, each block containing certain prescribed cycle of years in which similar calendar years repeating one after another that leads similar weather conditions of those previous years to future years likely repeating every year approximately. The rainfall of the years, have been entering in the scale in percentages or as it is pertaining to month, season, annual wise of the each and every year. If we managing the scale in this manner continuously, we may assuming the weather

conditions of the anterior years on the basis of the posteriors years weather. On the basis of the principle, we can assume that a considerable, of course it may be little chance of predication for an ensuing years by study the data of earlier years.

**Studies Carried Out:** Many experiments were carried out on the Indian weather Time Scale and it was successfully proved out.

Firstly, see the Indian weather time scale. In this scale, the June, July, August and September months of the summer monsoon season were taken in a table in which the each month is also divided into three parts the Telangana, Rayalaseema and Coastal Andhra regions. The monthly wise rainfall data of the months of the regions from 1870 to till available years are taken in the form of percentages or as it is and entering in the scale pertaining to the region wise of the each and every year. If we managing the scale in this manner continuously, we may assuming the weather conditions of the anterior years on the basis of the posterior years weather.

Example for assuming the dry season or suppose to predict the rainfall situation in the summer season

of the ensuing year 2019: study the 7<sup>th</sup> cycle in which wet conditions in 10 years and dry conditions in 14 years were occurred in the month of June: wet conditions in 2 years and dry conditions in 22 years were occurred in the month of July: wet conditions in 4 years and dry conditions in 20 years were occurred in the month of August and wet conditions in 8 years and dry conditions in 16 years were occurred in the month of September. On the whole, wet conditions in 24 times and dry conditions in 72 times repeated in the summer monsoon season of the 7<sup>th</sup> cycle (As a result, there were dry conditions occurred in the 2002 year also). Therefore it is a considerable chance to predict that a dry season will be repeated in the ensuing year of 2019.

Example for assuming the wet season or suppose to predict the rainfall situation in the summer season of the ensuing year 2022: study the 10<sup>th</sup> cycle in which wet conditions in 13 years and dry conditions in 8 years were occurred in the month of June: wet conditions in 13 years and dry conditions in 8 years

were occurred in the month of July: wet conditions in 9 years and dry conditions in 12 years were occurred in the month of August and wet conditions in 19 years and dry conditions in 2 years were occurred in the month of September. On the whole, wet conditions in 54 times and dry conditions 30 times were repeated in the summer monsoon season of the 10<sup>th</sup> cycle. As a result, there were wet conditions occurred in the 2005 years also. Therefore, it is a considerable chance to predict that a wet season will be occurred in the ensuing year of 2022.

In the same manner, we can study the remaining All Indian weather time scales of all Homogeneous regions and subdivisions, states and districts of India.

**Conslusions:**

We can make many more modifications thus bringing many more developments in the Indian weather time scale and its all additional Indian weather time scale.

	2020	June			July			August			SEPTEMBER			OVERALL SEASON			REMARKS
		T	R	C	T	R	C	T	R	C	T	R	C	T	R	C	
1	1992	97.18	-9.5	-54.0	-39.2	+5	-15.8	+4.70	-11.2	-10.8	-35.2	-19.1	-26	-1	-12	-6	
	1964	-31.6	+21.3	-15.0	-36.6	+108	-13.4	299.5	-17.8	-11.8	+1503	+139	+95.4	+17	+16	+44	
	1936	+31.7	-9.16	-13.0	-14.1	-35.3	-7.00	-12.5	-65.7	-32.3	+7.82	+21.2	-39.2	-3	-29	-5	
	1908	-32.3	-62.9	+69.9	+5.8	-29.4	-50.9	-9.13	-57.2	-25.2	+10.8	+84.9	+48.4	+38	-9	-2	
	1880	+21.5	+15.2	-99	-24.0	-50.2	-46	-60.7		+2.63	-99.4	+56.2	+19.7	-51	-11	-18	-30
2	2017																
	1995	-1.01	-11.5	-36.2	-13.6	+6.5	-20.9	-46.7	-20	-23.0	-71.7	-17.3	-49.3	-33.5	-27.1	-16.3	
	1978	-78.2	-7.7	+26.2	-1.17	+57.5	+6.9	+47.0	-13.1	+31.7	+169.0	+100	+8.0	+50	+37	+55	
	1961	+34.0	+27.8	+70.9	-37.9	+32.9	-24.3	-8.35	-4.9	+13.3	+20.0	-49.6	-6.1	+12	+1	+30	
	1939	-38.0	-20.5	-38.2	-44.6	-34.6	-42.3	-27.5	+13.9	2398	-3.95	+81.7	-13.5	-28	-12	-23	
	1922	-12.3	-50.4	-90.2	-27.6	-516	-31	-36.8	-30.3	-42.0	+22.6	-1.2	-48.3	-18	-29	-15	
	1905	-17.6	+8.81	-29.3	-64.4	-62.2	-72.7	+16.8	+103	-10.5	234.8	-58.1	-6.5	-5	-4	-18	
	1883	+60	+23.3	-25.1	-8.24	-23.5	-55.1	+32.2	+36.4	-10.6	+85.1	-32.1	-56.6	+31	-4	-21	
3	2024																
	1996	+13.5	+29.4	+13.7	-32.4	-21.4	-17.3	+21.1	+96.6	-9.8	-4.49	+51.2	+19.3	-3.6	+83.1	+46	
	1968	-330	-28.3	-38.7	-28.0	-39.4	-38.4	-82.5	-34.2	-99.4	+1.007	+55.6	-26.6	-20	-18	-39	
	1940	-19.8	+24.3	-2.0	+9.24	-159	-34.0	-89.9	-33.9	-18.4	-26.2	+35.0	-21.5	-5	-5	-3	
	1912	-61.1	-53.3	-74.3	+12.5	-20	-5.6	-11.8	+20.0	+15.3	-12.1	+41.4	20.3	-15	+1	+10	
	1884	-38.8	-53.7	-69.4	+40.7	-43.1	-33.7	-23.1	-25.0	-15.3	+65.6	-30.9	+8.1	+12	+8	-1	
4	1999	-24.2	-25.8	-13.9	-23.5	-30.1	-48.8	-2.28	+7.8	-40.9	+25.8	-24.0	-18.4	-9.1	-20	-15.9	
	1982	+5.15	+59.3	-34.4	+27.6	+0.5	-24.1	-28.6	-66.3	-40.9	+12.4	+17.0	-27.0	+1	-5	+13	
	1965	-51.1	+40.2	-36.6	-44.5	-23.3	-24.2	-27.0	+2.08	-9.7	+80.8	-7.04	22.0	+10	+3	+3	
	1943	+13.5	-54.8	-20.8	-31.4	-30.9	-35.8	-50.5	-9.5	+27.8	+99.1	+1.76	-14.9	-5	-20	-20	
	1926	-69.7	+32.3	+298.6	-10.8	-33.5	+1.8	-19.4	-31.4	-36.5	-18.6	-36.7	-5.3	-25	-2	-1	
	1909	-6.87	-45.4	-32.6	+0.71	-45.4	-22.4	-35.9	+2.06	-4.5	+1.24	+26	+4.3	-12	+44	+7	
	1887	+20.1	+165	+2.4	-23.5	+5.41	-32.6	283.3	+133	+506	+148.0	+16	+31.9	+49	+62	+40	
	1870		+11.5	-64.1		-89.5	-42.4		+50.6	22.8		-58.1	+25.5	-29	+25	-7	
5	2000	+56.9	+75.4	+47.8	-22.9	-7.8	-34.8	+66.5	+145	264.9	-57.0	-25.1	-57.9	+11	+39	+23	
	1972	20.93	+39.5	-77.6	-42.6	-67.6	-49.6	-58.4	-85.1	+29.9	-37.2	+39.9	+446.6	-1	-24	-34	
	1944	-17.7	+99.9	-0.2	-1.96	+5.6	-17.4	-310	+33.6	-35.4	+74.8	-1.92	-10.9	-39	+15	-2	
	1916	+42.2	-36.5	-2.4	+9.79	+12	+36	-24.3	+17.9	-11.5	+92.0	+54.0	-38.4	+19	+45	+18	
	1888	-18.3	-55.3	-56.2	-4.76	-53.2	-32.5	-43.6	-42.2	-57.4	-49.3	+72	-57.6	-28	-14	-39	
6	2018																
	2001	714.4	-61.8	-13.4	-6.5	-44.4	-52.0	-53.8	-22.4	-94.3	-28.4	+10.9	+15.1	-25.1	+2.1	-1.2	
	1979	-18.7	-26.9	-23.0	-530	-40.4	-60.9	-50.4	-578	-64.2	+99.3	+37.8	+12.1	-8	-20	-21	
	1962	-48.5	+54.0	-36.1	-24.9	-47.1	+2.5	-27.6	+6.1	-10.5	+103	+4.4	+58.9	+14	-11	+30	
	1945	+17.1	-58.3	-67.7	+14.2	+112	-6.7	-2.23	+17.7	-26.6	+18.9	-15.6	+6.3	+8	+15	-1	
	1923	-80.1	-11.2	-75.5	+3.97	-53.4	-57.5	-54.2	-80.7	-99.4	+73.8	+33.5	-99.3	-17	-29	-13	
	1906	+95.6	+57.6	+180.6	-10.7	+18.0	-34.9	-3.33	+13.8	+10.9	+34.8	+47.4	-45.6	+10	+29	+18	
	1889	-16.6	-25.8	+50.1	+2.55	+43.6	-27.4	+24.0	+28.8	-33.2	+76.8	+17.8	+45.2	+18	-34	+23	
7	2019																
	2002	-23.0	+16.5	+47.8	-70.2	-50.1	-69.6	+5.43	-44.2	+64.9	-58.4	-23.4	57.9	-37.1	-31.5	-35.1	
	1985	+19.3	-21.8	-4.6	-15.4	-85.6	-6.8	-44.5	-18.3	-24.8	-39.2	-62.0	-44.1	-23	-20	-4	
	1963	-24.0	-7.7	-36.3	-43.0	+4.5	-22.2	-25.0	+60.6	-7.2	-27.1	-35.4	-4.3	+11	+2	-3	
	1946	+270	-31.6	-22.0	+5.69	-39.7	-9.8	-18.3	-16.6	-30.5	-47.4	+6.4	-16.1	-8	-20	-15	
	1929	-31.6	-20.2	+46.2	-56.6	-44.5	-65.4	-39.9	-69.5	-22.5	+79.3	+58.1	-4.1	-18	-12	-3	
	1907	222	-19.7	+48.8	-42.6	-19.7	-35.1	2	-74.6	-53.6	-18.4	-1.2	-64.4	-8	-28	-19	
	1890	+1.86	+84.1	+2.3	-7.57	-11.6	-39.7	-25.0	+9.21	-50.7	+78.5	+38.5	-30.7	+10	+22	-15	
	1873	-13.5	-47.7	-48.2	-64.5	-53.2	-39.4	-31.5	-24.7	-16.7	+39.8	+25.6	-39.9	-27	-19	-20	



8	JUNE			JULY			AUGUST			SEPTEMBER			Dresson			REMARKS
	T	R	C	T	R	C	T	R	C	T	R	C	T	R	C	
2025																
2003	+11.3	-14.8	-21.6	-7.57	+22.3	-0.9	77.85	-6.2	-28.8	-1.86	-20.1	-13.2	-8.2	-5	-3	+3.2
1986	79.92	+5.6	-19.6	-21.4	-28.4	+52.9	+47.3	-54.8	+31.1	-34.3	+20.3	-43.6	-1	+9	+44	-22
1969	+6.09	+11.3	-37.4	77.99	+11.0	-5.0	-26.4	+53.5	-57.1	-78.9	-73.9	-20.6	+9	+35	-3	+19
1947	-56.9	-16	-46.5	-29.3	+25.6	-3.5	-25.0	+85.6	-7.2	764.9	70.8	+28.8	+35	-17	-39	-6
1930	740.5	+42.7	+39.8	-46.6	-61.0	-44.4	-41.8	-62.7	-48.7	+41.0	+35.1	-17.6	-17	+74	-17	
1913	-32.1	-66.5	-13.3	+25.3	-18.9	-9.7	-48.6	-69.7	-63.8	-3.9	-3.52	-33	-18	-12	+14	
1874	-45.9	+39.5	+7.3	-4.1	+50.6	-13.4	-43.8	-58.1	-59.8	+15	+252.0	+32.3	-2			
9																
2004																
1976	-30.7	-2.6	-63.3	+77.3	-23.9	+24.8	+2.73	+83.1	+17.4	20	-54.4	-52.3	+18	2	+7	
1948	-69.0	-48.1	-61.5	-45.8	-35.6	-26.6	-58.7	-15.6	-48.9	+66.3	-19.3	-8.1	-10	-30	-19	
1920	-39.6	-39.5	-42.8	-40.6	-71.8	-99.4	+55.5	-36.6	-47.4	-22.7	+24.3	-35.6	66	-30	-38	
1892	+20.1	+16.5	+2.4	-23.5	+5.41	-32.6	783.3	+133.1	+50.6	+148.0	+16	+31.9	+49	+62	+40	
10																
2005																
1983	+7.42	+17.6	+19.8	+2.92	-88.9	+7.0	+85.1	+77.8	+22.4	+127	+160	+39.6	+51	+65	+50	
1960	-29.2	+5.97	-12.1	-39.3	+23.1	-17.2	-67.6	-88.5	-59.9	7105.2	+167	+60.4	-9	+29	+12	
1949	-26.3	+51.6	-8.4	-24.4	+13.7	+3.1	-11.9	+28.5	+8.9	+106.1	+109.0	+61.1	+5	+50	+47	
1927	+55.6	+25.9	+34.2	+4.10	+26.3	-23.5	-35.7	+46.0	-9.3	+7.67	+94.1	+16.4	+1	+24	+23	
1910	+81.6	-22.2	+20	-36.6	+76.6	+2.1	-34.1	+62.9	-17.8	+76.6	+55.2	+4.8	+10	+45	+22	
1893	+42.3	+53.4	-13.4	+10.5	+98.2	-85.1	+67.6	-35	-10.6	+15.0	-8.96	-56.6	+45	+16	+19	
1871	-41.2	-59.5	+399.6	-44.5	+31.0	+65.6	-77.8	+6200	99.9	+65.4	+26.6	+714	-36	-7	-18	
11																
2006																
1989	+71.8	-47.9	-20.3	+72.1	+26.5	+80.2	+2.64	-79.6	-10.5	753.3	+59.8	-99.3	+43	+49	+42	
1967	+17.4	-25.4	-1.7	+51.5	+6.11	-0.4	-25.2	-72.2	-55	+28.3	+8	-16.7	+19	-10	+2	
1950	-51.7	-12.2	-40.7	-33.7	-20.8	-9.4	-67.6	-7.19	-59.9	+31.5	+11.3	+2.8	+1	-5	-9	
1933	+87.3	-76.1	-52.5	+116	-18.9	-6.9	-22.9	+80.3	-29.6	749.7	-48.4	-32.1	+11	-11	-5	
1911	+0.78	+3.47	-22.9	-36.6	-26.4	-22.2	-28.4	-59.8	-62.5	+1.00	-22	-13.5	-20	-32	-18	
1894	+7.8	-45.4	-8.2	+25.4	+15.3	-51.4	+14.6	78.6	-31.4	+3.0	-17.3	-0.06	+19	+11	-7	
1877	-43.2	+5.41	-70	-75.6	-65.4	-53.4	-58.5	-48.5	-56.3	+15.9	+7.20	+21.4	-39	-19	+21	
12																
2007																
1990	+48.6	-29.3	-9.3	-39.0	-45.2	-54.4	+49.2	-2.2	+6.1	+10	+32.3	-99.3	+11	+8	-2	
1973	+0.31	+0.5	-33.6	-9.41	-29.8	-48.7	+42.2	+15.4	-19.9	-40.0	+10.1	-31.5	+1	-8	-21	
1951	-17.0	-15.9	+3.1	-5.77	-7.8	+28.6	-405	-62.2	-26.4	-0.3	-33.6	-31.4	+10	-33	+11	
1934	-3.04	+25.6	-4.5	+22.8	+27.0	+5.9	+0.3	-68.0	-18.8	+11.5	-62.4	-40.4	+5	-30	-1	
1917	+43.9	+36.3	+87.7	+7.94	-38.8	-38.4	-17.2	+52.1	+3.2	+11.3	+22.0	+30	+25	+17	+38	
1895	-17.5	-44.5	-21.4	-7.9	+27.6	-17.4	-15.4	-27.6	-4.8	-60.3	+41.3	+25.5	+45	+2	+19	
13																
2008																
1980	+66.0	-17.6	+80	-34.3	-28.4	-11.6	-99.9	7017	-6.6	+2.48	-447	-37.1	+5	-25	+20	
1952	-50	+34	-37.8	-59.7	-45.3	-45.0	-60.4	-42.1	-51.0	-40.1	-63.6	-53.2	-30	-41	-39	
1824	-4.8.6	-58.8	-56.6	-36.1	-13.3	-45.2	-16.7	-38.6	-32.8	+105.9	+81.4	+7.4	-7	-3	+8	
1896	-34.0	-32.3	-22.8	-18.7	-38.8	-29.3	+0.18	-21.8	-25.3	+08.2	-31.2	-16.5	-24	-32	6	
14																
2009																
1987	-31.1	-36.5	-53.8	-12.6	-6.2	-53.6	+0.63	+30	-20.9	-52.1	-18.0	-60.6	-18	-21	-33	
1970	775.9	-5.1	+41.5	-39.9	-2.8	-39.7	+63.4	+77.2	+9.0	+36.3	+83.0	+477.5	+25	+39	-5	
1953	-20.3	-26.5	+0.6	-56.1	+4.1	-40.1	-35.7	-48.4	-20.4	714.6	+54.8	-10.3	+25	+10	-3	
1931	+50	-440	+768.9	+12.3	-2.70	-24.0	+38.0	-26.8	+39.2	+14.3	-33.2	+12.8	+18	-11	-12	
1914	7159.0	+13.6	-7.9	+11.6	-23.1	-19.7	-6.43	+42.1	-31.3	+67.9	+60.8	+44	+27	+20	+18	
1897	-34	-42.6	-57.2	+47.5	-9.47	-48.1	-34.6	+32.1	-26.5	+42.4	+12.8	+39.4	-1	+35	-2	
1875		+11.5	-64.1		-89.5	-47.4		+50.6	-22.8		+58.1	+25.5	-29	+25	-7	
15																
2010																
1993	-37.1	-46.1	-58.6	-17.1	+19.3	-36.9	+43.4	-40.1	-2.40	+9.9	-1.8	-17.5	-12.8	-6.3		
1971	77.89	-31.3	-32.3	-61.3	-26.6	-57.4	-19.4	-25.4	-24.6	-14.3	-46.7	+5.1	-29	-35	-10	
1954	-27.1	-54.6	-9.4	-30.0	+93.4	-4.8	-40.2	-17.3	-26.6	778.9	-52.8	739.9	+24	-10	+19	
1937	-50.8	+15.9	-89.6	+10.9	-9.48	-35.2	-43.5	+63.1	-31.4	+11.3	+86.7	+444.8	-18	-11	-28	
1915	+99.4	-39.0	+18.1	-15.2	+58.2	-24.4	-8.40	-49.2	+24.4	-12.6	+58.3	-14.9	+10	+6	+21	
1898	-20	-37.2	+5.3	+47.8	-30.2	-18.1	-34.6	-42.1	-51.4	+42.4	+106.4	-8.5	+18	+3	-3	
1881	-18.9	+15.0	+41.2	-56.7	-78.3	-73.3	-34.2	+75.1	-123	+41.0	+12	+10.4	-36	+5	+4	
16																
2011																
1984	-29.0	-40	-55.7	-20.0	-98.9	-9.7	+67.1	-10.8	-37.2	-71.7	-71.3	-49.3	-23.5	-34.9	-21.4	
1977	70.93	+39.5	-17.6	-42.6	-67.6	-49.6	-58.4	-85.1	+22.93	-37.2	+39.9	+446.6	-39	-24	-34	
1955	-49.8	-48.3	-37.6	-55.5	+17.2	-39.2	-16.5	+94.7	+3.2	+29.2	+10.6	+1.0	+35	+20	+3	
1938	795.6	733.3	+25	715.8	-34.1	-36.1	+25.8	+13.9.8	77.7	+89.8	+81.7	782.2	+48	+58	-45	
1921	+44.2	-4.16	-39.8	-660	+75.5	+2	-47.2	+45.7	-30.7	+50.6	-23.2	+2.5	-1	-5	+13	
1899	-17.2	-85.4	-57.8	-74.7	-88.4	-68.4	-38.1	-37.7	-34.1	-10	+43.5	-22.9	-43	-36	-32	
1882	+20.1	+165	+2.4	-23.5	+5.41	-32.6		783.3	+133.1	+50.6	+148.0	+16	+31.9	+49	+62	+40
17																
2012																
1984	-34.6	-56.1	-37.4	+0.50	+49.4	-15.2	-58.5	-84.1	-71.6	+24.6	-22	-37.8	-20	-30	-23	
1956	76.875	+21.8	+32.8	70.96	+809	+37.8	-30.7	-38.4	-14.3	+503.6	+38	+19.6	+24	+20	+40	
1928	+37.3	+21.8	-56.2	-21.5	-38.5	-20.2	-27.5	-17.4	-29.7	+102	-3.44	+9.5	+9	-5	-2	
1900	-10.9	-30.1	-47.8	+29.3	+48.5	-19.3	-38.7	-78.6	-63.6	+90.3	+53.8	+10.0	+10	-2	-12	
1872	-44.5	-13.8	-0.2	-29.9	-17.7	-18.1	-45.0	99.1	9.49	+44.4	+34.3	+16	-25	+4	+18	

		June			July			August			SEPTEMBER			OVERALL SEASON			REMARKS
		T	R	C	T	R	C	T	R	C	T	R	C	T	R	C	
18	2013																
	1991	+42.1	+17.7	+64.5	-11.9	-16.1	-30.2	-39.0	-17.8	-93.7	+1.31	-11.6	+32.7	-9.6	+14.7	+22.6	
	1974	-26.6	-5.5	-14.3	-46.9	-12.2	-99.9	-22.6	-20.7	-37.2	+17.6	+10.3	+33.6	-24	+19		
	1957	-16.9	+19.5	+45.3	-49.0	-12.9	-30.4	-1.91	-26.6	+21.3	+12.4	-22.4	-12.1	+8	+24		
	1935	-6.87	+43.4	-45.1	+11.5	+4.16	-30.6	-31.1	+138.8	+346.3	+51.0	-11.3	-21.8	+2	+35	-24	
	1918	-93.3	-45.9	-16.8	-46.1	-56.3	-62.1	-57.0	-38.2	-40.5	+1.00	+18.1	-13.2	-40	-29	-20	
	1901	-21.0	-6.25	-40.7	-11.5	-69.7	-43.8	-16.3	+10.4	-42.2	-44.0	+30.1	-28.9	-19	-29	-24	
	1879	-8.51	+18.8	+3.2	-27.8	+48.1	-116.5	+31.4	-10.4	-99.4	+56.7	+19.7	-51	-9	-6	-16	
19	2014																
	1997	-59.7	+7.9	-65.1	-40.2	-54.2	-37.2	-33.8	-40.7	-48.2	+10.6	+134	+109	-33.2	+14.1	+15	
	1975	-15.4	-4.9	+53.8	+7.44	+48.3	-16.3	-10.9	-14.9	-28.5	+149	+31.6	+7.2	+21	+11	+20	
	1958	-60.6	-19.5	-42.3	-10.1	-16.7	+22.7	-32.0	+105	-15.9	+13.0	-10.4	-12.7	+8	+10		
	1941	+18.0	-47.0	+82.5	-67.5	+578	-70.2	-33.4	-48.3	2269	+37.2	+53.6	+1.2	-32	+8	-5	
	1919	+26.6	+6.66	-20.1	-41.1	+57.3	-19.7	-55.7	-80.0	-49.2	+457	+10.7	-26	-32	+2	-15	
	1902	-36.6	-27.6	-47.8	-48.6	-13.6	-35.5	-12.1	-55.7	-99.4	+26.3	-13.2	+15.1	-19	-17	+4	
	1885	-20.7	+19.4	-4.2	-14.1	+11.8	-31.5	-47.8	-41.8	-67.3	+38.5	-25.4	+5.5	-18	-18	-10	
20	2015																
	1998	71.32	-529	-34.5	-21.5	-58.6	29.8	+15.4	+20.2	+5.1	+49.0	+70.6	+56	-50.9	+37	+25.3	
	1981	+36.3	-0.6	-26.9	+1.12	-5.9	+10.0	+7.12	-7.6	-28.9	+105.1	+61.2	+24.6	+26	+10	+25.3	
	1959	-4.76	+76.3	+18.3	-11.5	+9.27	+20.5	-34.2	-165	-30.9	-99.9	+136	-28.8	+40	+10	+12	
	1942	24.76	+42.7	-12.1	-7.78	-66.7	-47.9	+22.4	-13.1	-18.4	-44.5	-24.8	+34.2	-4	-20	-20	
	1925	6.28	-47.2	+1.0	+2.38	-9.2	-10	-4.93	+19.1	+2.4	-0.54	-18.4	+386	-2	-14	+4	
	1903	-25.7	-680	+22.6	+54.0	-46.8	+10.2	+34.8	+30.3	+8.0	+5304	+72	+7.0	+45	+39	+37	
	1886	+60.9	+3.88	+25.1	+26.6	+69.4	-4.2	+40.6	+40.1	+55.3	-39.9	+9.04	-99.3	+24	+21	+38	
21	2016																
	1988	-14.2	-57.0	-57.4	+10.7	+77.7	+33.6	-25.9	+12.7	+19.4	+136	+33.4	+37.4	+65	+50	+41	
	1966	-54.9	+67.3	-32.8	715.4	+14.3	+32.3	-7.57	+0.5	+6.1	+61.3	+14.8	-27.2	+3	+20	+9	
	1932	+13.2	-629	-13.1	73.97	-24.1	-13.7	+20.1	+22.0	-36.2	+52.6	-20.32	-32.4	+1	-10	-18	
	1904	+15	-33.4	-42.5	-4.6	-22.1	-51.4	-69	83.0	-38.0	+36.9	-39.6	-41.5	-24	-55	-30	
	1876	-42.2	-20.8	-33.3	-34.7	73.6	-52.1	-31.8	42.4	-99.9	-40.6	-71.1	-50.4	-38	-53	-19	





North Mountains Grid

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Ann	JF	MAH	JTAS	OND	OTAS	OND	Annul	Reavg
K. 1816																					
1816	41.7	99.5	181.6	314.5	449.8	131.4	566.0	366.0	362.8	3.2	1.0	47.2	1765.3	140.3	160.9	1163.4	100.8	110.3	110.3	110.3	110.3
1817	2.7	125.7	64.8	37.2	65.7	333.3	437.9	453.0	282.0	63.9	4.9	19.0	1694.5	133.6	168.0	1300.3	80.6	73.0	73.0	73.0	73.0
1818	2.2	21.8	21.2	16.8	4.9	111.0	417.6	524.3	310.1	3.3	4.6	54.3	1518.9	73.4	77.5	1313.6	66.0	113.0	113.0	113.0	113.0
1819	69.3	16.4	11.6	22.6	67.3	118.3	458.5	434.4	125.0	30.8	35.9	33.4	1526.9	85.6	116.3	1170.0	74.1	74.1	74.1	74.1	74.1
1820	3.3	50.8	10.2	14.4	23.3	2.8	435.0	505.1	170.0	30.3	2.1	8.9	1320.4	82.7	103.8	1342.1	64.3	48.9	48.9	48.9	48.9
1821	34.4	58.3	38.0	70.9	59.3	105.9	327.9	315.0	69.7	18.5	6.0	38.6	1227.6	40.1	188.5	671.7	64.1	44.4	44.4	44.4	44.4
K. 1822																					
K. 1823																					
K. 1824																					
1824	29.0	23.3	63.7	75.4	48.5	211.9	483.3	337.5	91.3	10.3	14.5	27.5	1400.6	61.2	242.0	1543.4	53.5	5.8	4.1	4.1	4.1
1825	10.5	47.5	156.4	43.7	112.9	107.1	232.0	275.3	65.8	11.4	40.7	38.3	1240.3	188.0	312.1	1637.1	41.5	40.3	41.3	41.3	41.3
1826	58.6	97.3	63.8	33.2	18.3	126.7	387.1	613.6	316.7	2.5	66.2	84.5	1592.3	183.8	110.1	1245.1	33.9	111.3	111.3	111.3	111.3
1827	23.8	16.5	75.3	75.4	34.8	115.4	430.2	340.3	382.6	11.7	2.3	4.9	1651.0	148.3	130.1	1203.8	18.7	110.3	110.3	110.3	110.3
1828	101.6	161.3	45.3	25.8	65.0	61.0	216.1	437.1	338.9	56.3	16.4	65.2	1651.2	274.3	336.2	1011.1	134.0	7.0	7.0	7.0	7.0
1829	21.4	183.0	11.3	19.1	24.5	154.4	311.6	639.3	343.3	1.5	4.0	35.0	1774.5	143.3	132.5	1363.1	32.8	113.3	113.3	113.3	113.3
1830	18.2	31.3	64.3	76.5	37.6	239.4	326.1	356.0	81.1	61.3	2.2	4.3	1834.1	215.5	122.4	1436.8	11.9	113.4	113.4	113.4	113.4
1831	118.5	112.1	51.3	59.9	24.1	47.2	177.4	458.3	191.7	12.4	12.7	39.7	1361.8	130.9	141.1	1425.0	65.3	111.3	111.3	111.3	111.3
K. 1832																					
K. 1833																					
K. 1834																					
1834	64.5	129.0	107.6	80.8	59.0	112.5	204.4	352.0	236.0	26.6	4.1	11.2	1380.0	193.4	242.7	1591.1	61.0	197.2	197.2	197.2	197.2
1835	83.3	15.4	23.6	52.9	27.6	145.6	413.4	398.0	189.7	131.0	2.0	108.4	1482.3	144.0	150.8	1600.3	30.0	18.3	111.0	111.0	111.0
1836	30.5	51.4	150.7	51.0	51.0	137.3	438.1	666.0	343.7	6.7	42.2	42.5	1657.8	45.9	257.0	1253.4	110.3	110.3	110.3	110.3	110.3
1837	20.2	24.8	31.5	15.9	94.2	71.4	473.3	373.6	84.3	78.9	36.3	47.0	1533.0	70.1	159.0	1101.5	121.0	113.4	113.4	113.4	113.4
1838	13.6	31.3	19.6	27.7	22.2	157.2	330.3	477.1	80.3	64.4	6.1	142.9	1625.4	104.9	81.5	1025.5	301.3	11.4	113.1	113.1	113.1
1839	67.5	183.3	107.2	83.6	65.0	53.3	236.0	340.7	36.2	7.0	2.3	1.6	1511.1	252.3	235.8	1655.5	19.5	114.1	114.1	114.1	114.1
1840	3.1	27.5	12.5	20.6	31.1	161.9	302.6	472.9	163.6	37.1	3.6	71.2	1873.1	74.6	173.1	1473.0	114.0	113.1	113.1	113.1	113.1
1841	67.0	28.0	61.7	18.3	51.4	4.0	416.4	317.0	138.3	11.2	4.4	40.3	1338.1	50.6	163.6	1411.4	56.0	184.1	184.1	184.1	184.1
1842	150.0	103.9	48.0	47.7	23.3	112.6	340.3	340.5	84.6	45.8	16.4	12.5	1321.5	134.9	116.9	1433.0	55.1	110.9	110.9	110.9	110.9
K. 1843																					
K. 1844																					
K. 1845																					
1845	160.1	83.2	103.6	34.2	61.4	71.8	230.3	278.6	172.6	16.3	16.6	3.2	1381.0	243.5	272.6	1301.1	32.1	120.4	120.4	120.4	120.4
1846	41.6	23.3	23.6	53.3	56.2	85.2	120.0	410.3	167.9	2.0	0.2	46.5	1611.3	126.4	170.6	1324.0	103.2	110.3	110.3	110.3	110.3
1847	71.4	101.1	49.7	84.9	73.3	264.0	467.3	251.7	237.0	141.9	6.4	87.3	1653.8	120.6	132.1	1232.2	118.6	113.4	113.4	113.4	113.4
1848	43.3	53.9	10.7	104.1	33.3	104.3	164.9	457.7	108.3	7.8	2.7	85.7	1455.1	132.3	131.0	1122.3	46.5	113.6	113.6	113.6	113.6
1849	74.4	140.2	6.4	61.4	14.1	177.5	287.2	256.0	243.4	2.7	26.3	42.4	1781.5	240.6	153.9	1301.1	83.0	110.3	110.3	110.3	110.3
1850	42.7	62.4	164.0	101.4	40.7	183.3	543.4	323.3	158.1	8.0	3.7	12.8	1673.2	95.1	257.6	1225.5	49.0	110.3	110.3	110.3	110.3
K. 1851																					
K. 1852																					
K. 1853																					
1851	91.8	30.6	36.3	5.4	55.3	128.9	423.9	270.7	316.4	10.2	23.8	71.6	1566.6	121.2	97.2	1381.4	51.7	11.3	11.3	11.3	11.3
1852	81.0	54.8	241.2	11.6	59.5	61.9	268.7	258.3	61.6	24.0	21.6	53.6	1511.1	101.1	107.2	1238.3	41.3	11.3	11.3	11.3	11.3
1853	54.1	124.3	105.9	15.7	81.4	43.3	300.0	230.4	53.2	25.5	10.4	4.0	1633.1	193.4	232.4	1671.5	50.3	11.3	11.3	11.3	11.3
1854	124.3	20.1	62.8	50.0	44.3	11.1	278.0	141.2	71.1	3.8	6.5	11.0	1638.1	104.4	192.1	1201.3	15.3	11.3	11.3	11.3	11.3
1855	28.0	25.6	186.7	22.3	104.8	18.0	488.9	467.6	198.3	5.4	15.4	10.7	1640.2	60.3	301.9	1332.3	40.0	11.3	11.3	11.3	11.3
1856	32.0	71.4	18.8	22.0	33.6	269.0	441.7	233.1	121.7	13.7	8.2	63.6	1515.8	188.8	118.2	1642.3	16.4	11.3	11.3	11.3	11.3
1857	115.7	13.4	20.2	43.7	23.3	101.5	302.2	235.1	158.1	23.9	10.3	6.6	1411.9	157.3	101.9	1183.0	12.4	11.3	11.3	11.3	11.3
1858	33.2	49.3	120.9	81.7	21.0	104.6	380.3	615.4	154.2	26.7	2.2	5.5	1417.5	31.4	195.6	1027.1	43.4	11.3	11.3	11.3	11.3
1859	142.3	40.5	42.7	86.6	48.0	204.3	523.9	323.9	178.3	121.8	3.4	6.9	1506.1	18.2	178.3	1246.3	15.1	11.3	11.3	11.3	11.3
K. 1860																					
K. 1861																					



North Mountains, India

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann	JF	MAM	JJAS	OND	JJAS	OND	Annual	Rise
1822	103.0	192.7	100.9	81.0	40.7	59.3	82.0	231.9	231.7	6.6	3.9	26.5	139.7	255.5	171.0	826.6	287	-25.7	-6.1	-14.0	
1823	78.7	76.1	81.0	145.4	108.7	106.8	236.4	237.9	276.2	47.3	4.2	16.3	151.4	240.3	240.2	951.9	64.2	-10.0	-2.2	-18.4	
1824	61.1	61.6	63.2	22.5	19.1	77.2	61.8	326.4	165.1	46.7	5.7	24.7	124.0	167.7	132.8	1026.3	87.2	-32.0	-6.6	-2.0	
1825	21.3	152.2	79.2	20.6	30.7	78.7	201.8	281.8	151.6	17.7	1.8	11.6	151.6	135.6	135.2	1120.7	20.7	30.3	11.0	1.0	
1826	18.2	124.2	62.2	24.0	77.7	85.9	107.8	636.8	310.4	57.2	3.8	15.4	171.8	152.5	178.0	1322.5	105.4	40.8	13.0	1.0	
1827	11.3	148.2	43.8	31.4	46.7	152.4	551.5	371.0	185.2	11.1	4.4	30.3	170.8	121.0	138.6	1381.3	152.0	17.0	13.0	1.0	
1828	151.7	153.4	107.7	10.7	76.3	208.3	421.2	213.7	235.8	114.3	14.0	5.3	152.3	149.1	228.6	1570.3	125.0	110.0	-5.0	1.0	
1829	24.2	102.2	5.1	23.0	10.3	32.9	630.3	479.2	93.7	5.4	1.4	43.3	116.8	133.2	144.6	1521.6	48.4	33.0	-4.6	1.0	
1830	105.5	83.0	20.2	25.7	27.0	288.0	308.3	605.2	220.8	31.2	2.6	61.1	803.5	181.4	131.3	1397.8	95.4	220.9	-4.4	1.0	
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