

Sub Him, West Bengal & Sikkim 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 Indian which can help tp 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 ½ 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.

[Gangadhara Rao Irlapati. **Sub Him, West Bengal & Sikkim Indian Weather Time Scales.** *Academ Arena* 2018;10(3s): 121-128]. (ISSN 1553-992X). <http://www.sciencepub.net/academia>. 17. doi:[10.7537/marsaaj1003s1817](https://doi.org/10.7537/marsaaj1003s1817).

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 7th 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 7th 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 10th 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 10th 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.

		June				July				August				SEPTEMBER				OVERALL SEASON				REMARKS
		T	R	C	T	R	C	T	R	C	T	R	C	T	R	C	T	R	C			
1	2020																					
	1992	?7.18	-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	799.5	-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	-20.8	-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	+8.61	-29.3	-64.4	-62.2	-72.7	+16.8	+103	-10.5	734.8	-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	?0.3	-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	-48	-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	+133.1	+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	70.93	+39.5	-77.6	-42.6	-67.6	-49.6	-58.4	-85.1	+29.9	-37.2	+33.9	+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	214.4	-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	+478	-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	-35.3	-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	722	-19.7	+48.8	-42.6	-19.7	-35.1	?	-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						

	JUNE	JUNE		JULY			AUGUST			SEPTEMBER			OCTOBER		REMARKS	
		T	R	C	T	R	C	T	R	C	T	R	C	T	R	C
8	2025	+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	8	+3.2
	2003	+11.3	-14.8	-21.6	-21.4	-28.4	+52.9	+47.3	-54.8	+31.1	-34.3	+20.3	-43.6	-1	-5	-3
	1986	79.95	+5.6	-19.6	-21.4	-28.4	+52.9	+47.3	-54.8	+31.1	-34.3	+20.3	-43.6	-1	-5	-3
	1969	+6.09	+11.3	-37.4	77.99	+11.0	-5.0	-26.4	+53.6	-57.1	-78.9	-73.9	-20.6	+9	+44	-22
	1947	-56.9	-16	-46.5	-29.3	+25.6	-3.5	-25.0	+85.6	-7.2	764.9	70.8	+26.8	+35	-3	+19
	1930	740.5	+42.7	+39.8	-46.6	-61.0	-44.4	-41.8	-62.7	-48.7	+410	+35.1	-17.6	-17	-39	-8
	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	+74	-17
	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	-12	+14
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	+105.2	+167	+60.4	-9	+29	+12
	1949	-26.3	+51.6	-8.4	-24.4	+13.7	+3.1	-11.9	+29.5	+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	-36.5	+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	+99.2	-55.1	+67.6	-35	-10.6	+15.0	-8.95	-56.6	+45	+16	+19
	1871	-41.2	-59.5	+399.6	-44.5	+31.0	+65.6	-77.6	+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	+40.5	-62.2	-26.4	-0.3	-33.6	-31.4	-10	-33	+11
	1934	-3.04	+25.6	-4.5	+22.8	+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	+62.1	+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
	1924	-4.86	-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	275.9	-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	+0.8	-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	2159.0	-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	-27.9	+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	-239.9	+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															
	1994	-29.0	-40	-55.7	-20.0	-98.9	-9.7	+6.71	-10.8	-37.2	-71.7	-71.3	-49.3	-23.5	-34.9	-21.4
	1977	20.93	+39.5	-17.6	-42.6	-67.6	-49.6	-58.4	-85.1	+22.9	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	233.3	+25	715.8	-34.1	-36.1	+25.8	+13.9	827.7	+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	20.96	+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	+54.3	+16	-25	+4	+18

18	June			July			August			SEPTEMBER			OVERALL SEASON			REMARKS
	T	R	C	T	R	C	T	R	C	T	R	C	T	R	C	
2013	+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	
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	+138.0	+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	+57.8	-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	?1.32	-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	?4.76	+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	+0.0	+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	?15.4	+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	

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		S SUD WEST BENGAL															
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	
2012																	
1984	-76.16228	-56.75176	-42.41758	-2.57732	24.01524	10.93183	38.09938	33.36172	80.54032	-17.13918	80.70408	-55.86071					
1996	-52.84974	-95.94595	-34.06593	-19.41581	60.91558	42.23977	26.49562	-7.87789	-5.1855869	24.69032	-48.0228	-55.82029					
1998	30.05181	54.05405	-91.05495	-31.01375	-19.94588	-4.70593	0.481648	11.17735	15.57705	110.1115	-54.20226	-100					
1999	35.23316	-38.51133	-54.02084	-60.38828	-0.3885448	-1.1295683	8.138013	-14.58165	19.15807	-80.94045	-100	-85.2333					
1872	-12.95537	-67.56757	-72.10573	-3.700069	-33.08853	11.6781	-15.03338	4.278037	20.23575	30.54124	98.157036	-100					
1930	43.00518	-48.31081	0.733933	-54.84883	40.34317	-31.96947	-42.70068	0.251607	12.50763	-10.05155	133.52468	-75.49013					
2013																	
1991	0.518135	-75.33384	-72.34432	-67.18213	-32.85625	15.88705	-9.181731	-5.130935	142.4344	65.72165	-100	145.0448					
1994	7.772823	-100	-21.24542	-41.5567	-10.16473	-26.55311	34.4258	40.62187	36.57718	-0.12866	93.22034	-50.93834					
1992	414.9374	-64.52703	-67.94872	94.07216	71.55006	-70.06458	-6.187934	15.00571	-62.17206	-70.36082	98.87005	-95.1548					
1993	45.07772	-11.46649	-83.38828	-83.24787	-6.0668806	16.667381	-35.79314	58.06477	40.33823	88.40106	-86.49058	80.3922					
1918	95.85492	95.60811	-62.08793	13.48793	7.730662	43.24124	14.68195	80.14477	-11.01281	-75.83763	90.39548	-97.05988					
1901	46.61232	-47.62614	-68.31592	-71.69948	-29.14573	-13.45323	-9.566217	24.54751	-31.24021	-71.19845	0	54.932					
1879	-91.13373	51.66919	-100	84.36426	38.42288	15.63913	20.99019	26.4513	51.96583	80.65588	-100	88.7941					
2014																	
1997	-49.2228	-21.28378	-41.94135	-21.56352	-86.42443	24.94958	-31.3918	15.86135	42.61745	-84.14948	-51.9724	191.1785					
1975	87.04663	81.06108	-50.84245	-52.83505	-19.94588	31.24244	23.46786	-55.49564	50.12291	-20.03686	-100	-50.3585					
1998	-51.05808	-59.45946	-65.56773	11.51203	-26.36298	12.28338	-29.24763	92.85735	6.61989	-18.10667	96.61032	-40.3583					
1941	-78.71548	80.06757	-80.49712	32.58113	-42.1724	-12.95578	-31.79388	15.49925	33.00123	2.023106	2.824855	-94.1176					
1919	11.13856	66.85189	-88.92674	-44.58762	91.68846	11.81928	0.3248028	31.97786	32.38679	-26.35309	76.34521	-100					
1902	-98.95173	-100	41.02564	-27.40355	8.078856	0.89576	4.6330884	4.681841	173.4899	-33.76289	69.43051	-100					
1889	-38.86501	99.30432	-11.39531	-43.1512	-95.40781	6.837434	32.287	-13.61201	65.61621	-53.69486	99.41521	482.01573					
2015																	
1998	-81.88578	61.14805	30.931238	-34.3185	34.08934	13.93124	26.67331	54.71578	72.20866	29.57474	-57.62712	-100					
1981	50.71507	-63.51351	-55.85081	80.89113	-14.37659	-24.51026	31.37353	-18.45665	1.039171	90.59788	84.74576	160.7843					
1991	338.1633	-63.50192	15.20247	-28.11084	-47.77725	-18.11124	-13.86753	44.10842	-12.3894	122.4227	-100						
1947	71.50055	29.07973	13.00366	47.01031	-13.07667	4.533275	-47.10266	-79.01581	50.03051	-48.75	98.30508	-100					
1923	-50.85115	90.87638	-73.47753	58.21302	-23.34731	4.921335	-31.5329	29.37545	74.38007	-37.3087	33.89531	-100					
1903	-74.53134	-69.81081	-69.79022	-93.04124	-33.30692	8.208855	-18.14615	33.34499	21.05613	-12.63887	300	100					
1886	-96.85119	-66.89189	-43.53974	-75.66723	-24.04329	-16.95348	-0.149077	17.30893	111.939	-40.90464	-77.40311	-95.006					
2016																	
1993	-80.82202	-45.27027	-38.27803	-26.54639	-36.10289	-38.85428	22.29883	95.231	51.36228	-75.1933	-22.03339	-78.43114					
1990	104.56533	-88.17568	-99.26774	-71.36773	-22.26217	-25.43124	22.43813	46.58293	-2.652104	65.27062	-36.15835	-60.17843					
1937	94.30052	-77.7027	-82.41258	-40.37821	-21.41477	20.13413	-44.57781	23.21213	21.06461	-26.48196	598.3851	280.2157					
1904	80.81200	20.60811	-59.038425	-5.24033	22.68172	-44.51362	-20.88371	4.185338	-38.46248	14.69072	-55.9322	-98.0362					
1879	-80.81202	-100	95.43335	-46.13462	-23.47263	38.91533	-32.0299	51.36162	-2.501575	3.770619	99.43553	-71.5686					
2017																	
1935	68.91103	-38.04054	-72.34432	-62.28523	-15.30731	35.43768	31.20793	10.53864	119.1885	-44.20103	200.0385	-11.7843					
1938	-76.64304	-41.08108	-74.37527	-43.21326	-15.31233	-38.26114	-2.923102	-40.5578	1.037218	69.71649	-10.71446	-80.3593					
1951	-64.74487	33.43283	-30.19414	-74.05498	-16.00309	-19.56434	-24.48813	15.71216	-19.30196	11.59539	98.95843	83.3333					
1933	-100	-38.51361	-87.16264	-93.73852	-11.88837	9.762001	5.7405654	-1.958697	19.01788	-24.29124	88.74576	-100					
1927	23.11606	43.91807	-88.09524	-58.16151	-41.90182	43.34406	2.391629	10.18861	61.93582	-10.10309	99.43523	-31.3705					
1935	-37.82383	3.422832	-1.648362	-24.39863	-5.778121	-4.578459	88.5036	97.25357	11.98902	17.46134	-100	28.4314					
1883	15.54404	-85.18919	-95.9707	35.99586	-24.50715	21.59416	28.70389	31.3327	31.20865	81.26174	-100	23.53941					
2018																	
2001	-93.78238	-81.01892	-65.75082	-17.95533	13.37457	-0.121017	-22.35343	13.39153	41.54573	104.768	-30.50847	-37.451					
1939	-66.32128	-52.36386	92.8022	-31.26103	-54.5806	-54.1549	11.22793	-22.14179	7.291031	135.69883	6.775661	540.1961					
1962	15.56404	-50	-82.06128	-43.47029	-14.34034	-4.379645	23.33499	16.49989	16.25981	52.70619	-100	94.1176					
1945	1.56404	-4.22933	-86.26379	14.26117	0.811753	-22.28721	15.32968	35.17881	71.8026	5.353483	100	95.0369					
1923	-100	1.351351	-90.88269	3.350515	15.07538	-4.366695	18.99034	52.7145	30.133714	34.03052	100	100					
1906	-47.66839	88.83139	96.77096	96.56557	24.1256	10.04437	13.75183	25.0479	-36.51617	5.922815	54.23579	-98.0794					
1889	286.0104	28.04034	-35.337	70.48454	-55.12171	13.29879	37.41032	7.886078	41.00061	-70.03885	-10.03446	-100					

2038	Dout	Feb	May	Ago	Maio	Jun	Jul	Aug	Sep	Oct	Nov	Dez
2020	-16.580031	-17.972937	-23.16007	61.512205	-52.00938	27.883288	43.61402	-7.903556	1.438801	54.75258	75.70821	-71.5886
1985	-95.254932	-47.2973	-73.80652	-75.7733	8.078856	7.059637	55.14117	-37.45202	25.13778	23.18818	-100	98.03522
1963	89.631731	-96.662116	-30.95238	76.54629	76.63317	-17.55079	36.381995	55.18416	8.694116	-24.6201	17.534112	-78.4314
1946	100	-51.01351	-64.619	28.09278	-21.22345	-12.52521	4.284654	20.72664	27.57729	24.48454	37.28814	-100
1929	143.0052	86.48649	22.16112	26.54639	-13.79376	-1.040862	5.793175	25.501010	13.27029	256.0433	87.57062	-0.96039
1907	95.83492	25.13184	22.89322	1.030028	38.88679	-21.94433	30.21258	-24.99468	68.10384	-87.95103	94.35403	48.6275
1880	-74.61134	98.32432	-86.88645	7.130788	38.53885	54.01388	28.18579	49.7571	51.37279	100.5739	98.87036	-100
1873	84.93408	94.59459	-62.83951	7.474227	-26.165249	13.553383	-37.10247	29.09113	14.08295	96.77985	-100	36.4706
2022												
1982	-79.274631	-41.89189	-94.11919	55.58413	-32.80645	48.85634	5.4974826	-10.799810	11.104113	-31.4433	87.57062	-18.6225
1954	100	90.87138	-79.10403	-15.03411	37.50037	5.728116	52.86514	-2.245414	47.98824	-30.41237	50.39548	-100
1936	91.19171	-54.12167	-25.45786	-30.75851	3.13101	2.674635	0.763993	1.9161177	53.66015	23.06028	59.794113	-20.5882
1908	34.71503	6.418919	-73.26807	-86.45556	11.55429	23.61839	-37.20313	-47.38688	10.91115	-29.89621	-100	-100
1880	28.69741	63.45115	44.50649	-14.13756	-17.62659	51.06888	-12.46557	8.707686	-49.83799	16.81201	92.55117	58.12353
2021												
1999	100	-550	-92.67299	15.46302	42.9455	16.45825	18.31927	65.85464	1.715507	44.20103	90.39548	83.33338
1982	100	-62.63514	-5.676266	-7.130588	-46.02554	-24.56035	33.18153	54.58683	-6.28433	66.28144	28.81356	87.2549
1965	100	46.62562	18.68132	59.45017	-35.59383	7.586248	15.96018	58.37866	-71.17109	-45.38928	123.1628	-100
1943	17.95339	15.54654	-75.20721	48.88316	-38.89143	45.68121	-16.7771	8.100172	65.00815	-78.28608	49.48013	98.03907
1926	48.18653	96.62162	36.44689	71.91409	-20.12383	-4.1116579	49.829	-18.20311	-5.624153	-45.72163	97.74011	3.87383
1909	86.01036	48.38649	-100	16.06529	36.93261	80.29487	-31.20244	9.759005	-13.91103	11.27117	-100	92.15669
1887	88.60104	28.24054	-15.01832	39.86674	31.34905	5.768895	27.22118	94.69828	40.20244	-7.2639118	62.52672	-71.56288
1870												
2022												
2005	30.051831	55.06757	9.340659	5.498282	23.18616	25.69585	2.6731874	15.627	30.91813	43.29893	77.9661	-100
1983	33.67871	-87.5	18.61392	6.157388	13.6838	5.687777	24.41315	32.87075	57.56559	-39.94242	-100	111.2647
1960	-100	84.7973	15.75932	36.30584	1.700612	48.19491	0.836861	32.46753	109.1828	43.671113	-100	-100
1949	79.274631	22.3575	45.01993	102.1473	0.885061	0.262203	6.875534	16.43119	2.38798	36.67526	-100	48.2751
1927	-16.052118	-3.198378	8.791265	-33.59107	17.20139	18.50621	-18.41582	-16.73409	77.39475	51.48156	2.844889	98.03992
1910	96.89113	40.58649	24.54217	-69.93127	-20.12916	46.470315	33.23368	8.409623	19.58511	4.445836	41.50282	-100
1893	-41.45028	31.76973	-25.48718	27.66321	-41.70854	4.912112	17.71753	3.619331	69.89018	18.87889	71.18644	-100
1871	-100	76.68919	25.02138	-37.20069	46.22116	28.96632	5.383444	11.75218	33.70568	58.93227	72.51638	-100
2023												
2006	-98.44516	73.72573	77.65318	-44.3229	3.815481	21.76049	8.511356	17.69105	40.51251	33.02222	-39.54807	1360.794
1989	53.89324	-30.40541	71.97932	50.16937	21.16105	-2.726099	9.531183	-34.00711	119.9397	53.57733	24.29079	15.76012
1962	92.22298	-100	104.7711	-52.78914	-24.70043	11.77894	-4.0853	-99.41457	11.17889	-1.030328	41.22034	-100
1950	-96.89113	-31.75636	-55.49451	-20.01718	-16.46665	16.29495	-7.452233	43.86034	31.63518	36.21134	-97.74011	-94.1176
1933	1.5544434	81.41802	-58.90111	-4.123711	-32.04484	16.11537	-0.933403	-6.706403	-15.43628	-5.363440	-30.22699	-94.1176
1911	-0.5118135	-93.51802	-36.00111	19.93127	-4.5599923	18.495136	20.93658	-16.499389	50.03011	72.22338	-69.49153	-100
1934	-100	-88.31081	-80.80246	11.38021	-38.03634	-4.029132	-24.71011	26.01661	83.3425	59.47165	-99.85198	-99.8039
1877	95.11128	56.75676	-56.93971	-16.40893	9.31581	40.35902	-9.1627215	-60.86664	95.62067	-75.1866	100	13.3331
2024												
1946	22.33818	-63.5	65.25982	-57.56014	41.50058	45.30052	30.61165	25.05216	11.56193	4.381443	-99.43503	95.0195
1928	46.43212	90.87838	-64.10250	-41.78094	-47.88581	6.192013	0.56469	4.683841	9.304451	147.7754	31.22034	-55.098
1912	93.28218	98.31081	8.424906	-63.2457	49.63278	47.31247	5.758123	71.16244	38.5601	8.311886	-88.92655	57.1569
1894	86.43189	52.36486	-50	-22.31959	16.58291	6.293235	-33.76516	17.41218	60.08661	26.67526	-100	94.1176
2025												
2003	54.42415	123.3108	-18.13183	22.50859	-27.90877	19.28197	13.55157	26.29318	7.260525	43.73454	68.92655	78.43117
1986	97.44933	-83.10811	94.90549	-31.76389	2.176015	8.793888	-7.04202	4.2862413	51.22036	38.72423	8.474756	0.98019
1969	66.32124	-89.18919	-25.482418	-48.02065	12.29523	1.694232	8.4533495	7.791298	29.60538	-68.1701	19.59802	-100
1942	93.38238	-98.31081	-8.424906	-63.2457	49.63278	47.31247	5.758123	71.16244	38.5601	8.311886	-88.92655	57.1569
1938	49.00618	-48.31081	0.732601	-58.38488	-40.74217	-11.99647	-42.70065	0.851929	12.50763	10.15155	139.548	75.79502
1933	99.448187	5.043293	-73.42637	-81.93421	12.13761	55.01543	9.566517	17.40866	36.42965	1.546802	53.10234	305.4902
1891	36.26643	18.74329	31.56613	-63.31619	12.12408	48.65174	-13.38648	48.51013	-43.50293	77.641175	50.96031	-100
1824	7.753886	-22.36486	57.51816	8.904298	23.25154	5.467608	-16.50341	24.48171	165.219	39.01804	-90	97.0588

