Coastal Andhra Pradesh 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 consulated 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.

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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
1	2020	T	R	C	T	R	C	T	R	C	T	R	C	T	R	C
	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	?99.5	-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	?398	-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	?34.8	-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	?2.0	+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	?83.3	+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	?64.9	-57.0	-25.1	-57.9	+11	+39	+23
	1972	?0.93	+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	?14.4	-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	-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	?22	-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			Oveson		REMARKS
8	2025	T	R	C	T	R	C	T	R	C	T	R	C	T	R	C	
	2003	+11.3	-14.8	-21.6	-7.57	+22.3	-0.9	?7.85	-6.2	-28.8	-1.86	-20.1	-13.2	-8.2	8	+3.2	
	1986	?9.92	+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	?7.99	+11.0	-5.0	-26.4	+53.5	-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	?64.9	?0.8	+28.8	+35	-3	+19	
	1930	?40.5	+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	?83.3	+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	-36.6	+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	-55.1	+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	?53.3	+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	?49.7	-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	?017	-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	-4.8.6	-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	?75.9	-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	?14.6	+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	?159.0	-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	?7.89	-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	?78.9	-52.8	?39.9	+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	?0.93	+39.5	-17.6	-42.6	-67.6	-49.6	-58.4	-85.1	+22.9.9	-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	?95.6	?33.3	+25	?15.8	-34.1	-36.1	+25.8	+13.9.8	?7.7	+89.8	+81.7	?82.2	+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	?83.3	+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	?6.875	+21.8	+32.8	?0.96	+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	

		June			July			August			SEPTEMBER			OVERALL SEASON			REMARKS
18	2013	T	R	C	T	R	C	T	R	C	T	R	C	T	R	C	
	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	?269	+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	+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	?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	?3.97	-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	

				30 coastal andhra pradesh								
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
2012												
1984	50.74627	-6.896552	-86.4	-79.63801	-64.88294	-42.81407	-27.96381	-2.60078	10.7225	14.88821	20.19324	67.95367
1956	28.35821	-96.55172	-100	32.1267	2.341137	37.48744	51.0958	-1.430429	21.63995	82.52033	28.01932	57.14286
1928	-97.01493	185.0575	-76	47.05882	-49.66555	-54.77387	-12.5863	-19.11573	11.46732	85.01016	-95.55556	-78.76448
1900	-91.04478	-100	-92	115.8371	-41.6388	-46.03015	-11.64684	-58.12744	11.96054	-32.26626	-50.72464	-87.64479
1872	-91.04478	-100	-92	115.8371	-41.6388	-46.03015	-11.64684	-58.12744	11.96054	-32.26626	-50.72464	-87.64479
1930	-95.52239	159.7701	-44.8	-84.61538	118.2274	44.72362	-39.07326	-41.09233	-16.2762	117.0732	67.29638	57.14286
2013												
2001	120.8955	-3.149425	-82.4	-66.96833	-67.05686	70.35176	-23.60676	-27.82835	35.08015	1.168699	172.1739	-72.97297
1974	-100	-50.57471	-40	-64.70588	-82.27425	-11.45725	-44.64621	-27.63329	36.00493	29.13618	-50.72464	-94.20849
1962	-76.1194	-90.8046	-15.2	-83.25792	-65.38462	50.35176	-23.732	39.6619	-30.60419	-33.18089	-6.47343	-100
1935	11.9403	-100	-95.2	-50.22624	-87.79264	-93.71608	-23.98247	-48.63459	-20.46856	8.028455	-91.49758	-88.80309
1918	556.7164	-27.58621	-85.6	84.1629	1.505017	-14.07035	-58.48466	-31.53446	-11.77559	-90.80285	190.3382	-10.03861
1901	183.5821	906.2069	-96	-66.51584	-44.48161	-38.69347	-38.44709	-33.48505	-27.68187	-26.1682	109.9517	-16.21622
1879	-49.25373	-100	-72	-100	218.5619	6.834171	-57.67063	1.820546	-43.58816	-52.95732	143.9614	-88.80309
2014												
1997	385.0746	-52.87356	-13.6	207.2398	-73.24415	-63.9196	-31.24609	-40.50715	113.3785	-37.04268	52.94686	522.0077
1975	97.01493	-97.70115	-100	-100	-48.82943	59.29648	8.140733	-17.75033	9.124538	56.14837	-3.768116	-88.41699
1958	-92.53731	-29.31034	-100	11.31222	-83.11037	-49.34673	34.50219	-1.250975	-11.34402	73.67886	101.9324	-57.14286
1941	-94.02985	44.82759	-57.6	-47.73756	-52.84281	88.94472	-67.43895	-57.47724	2.959309	17.88618	56.61836	53.28185
1919	275.3731	-25.28736	6.4	-27.14932	-9.364548	-17.48744	-12.14778	-41.61248	-24.78422	-4.420732	388.7058	173.7452
1902	-92.53731	-100	-100	-52.48869	-71.90635	-46.03015	29.36756	11.24837	17.13933	55.33537	73.57488	731.6602
1885	-70.14925	-63.21839	88.8	-100	-34.94983	-1.005025	-24.98435	-67.48375	2.339625	-30.23374	73.07729	316.5884
2015												
1998	73.13433	212.6437	-93.6	20.36199	-82.77592	-32.26131	-23.10582	21.0013	59.67941	77.94715	67.43961	-85.71429
1981	344.7761	-100	17.8	-38.91403	-50.33445	-24.52261	20.60133	-18.3355	26.75709	7.367886	-47.82609	-38.22394
1959	-17.91045	393.1034	-100	100	-99.3311	72.51256	31.9975	-20.61118	-27.62022	57.60163	-78.16425	-77.22008
1942	-91.04478	48.27586	-99.2	6.334842	-92.47492	-9.045226	-43.01816	-6.176853	-54.99383	-24.13618	0	93.89189
1925	-59.70149	-100	-76	43.43891	90.63545	4.522613	-1.377583	17.88036	-50.49322	32.21545	75.16908	241.6988
1907	58.20896	-71.26437	-100	-99.09502	30.10033	26.93467	20.72636	24.38231	8.877928	-13.31301	290.5314	8.880309
1886	-92.53731	-100	20	-94.11765	26.75585	29.44724	4.946775	78.6736	-26.32552	122.1545	11.69082	162.9344
2016												
1988	-100	-68.96552	-48	-11.76471	-37.29097	-56.0804	46.3995	37.34622	39.82737	-66.0061	-64.7343	145.9459
1966	355.2239	-100	-100	-100	-20.56856	-30.55276	45.02192	-10.40312	-26.01726	-56.91057	241.0628	-39.76834
1932	-100	382.7586	-100	-15.38462	0.334448	-50.85427	-5.572949	-26.658	-31.25771	-29.47154	318.6473	-89.57529
1904	373.1343	-100	-93.6	-98.19005	90.80268	-40.50251	-46.83782	-28.73862	-40.5672	9.400407	-98.06763	8.880309
1876	-100	-100	-89.6	-100	-44.81605	-31.05528	-47.52661	13.13394	-49.56843	-41.05691	-77.68116	-100
2017												
1995	946.2687	-95.4023	-80	-72.39819	381.3378	-34.07035	-13.40013	-11.74837	-48.52035	69.56301	-31.5942	-88.41699
1978	186.5672	235.6322	-86.4	-4.072398	-85.78595	65.92965	17.15717	31.56047	20.09864	-41.36179	18.9372	2.702703
1961	53.73134	208.046	-100	-98.19005	-78.92977	26.98492	-17.15717	30.92913	-4.562269	21.34146	12.94686	-94.98069
1939	-23.8806	-100	84.8	18.55204	-92.47492	-36.1809	-36.83904	-42.71782	-12.08385	141.9715	-40.38647	-84.16988
1922	170.1493	-100	-100	-72.85068	-62.04013	-35.67839	-24.48341	-33.35501	-47.53391	-29.06504	229.9662	-88.41699
1906	-95.52239	148.4253	312	-19.9095	-0.501672	-26.83417	-20.1315	2.925878	-15.16646	-23.47561	-82.41546	-99.2278
1883	-31.34328	-100	-74.4	-54.29864	-79.93311	-10.55276	-50.84534	2.795839	-55.91862	85.56911	55.07246	-20.46332
2018												
2001	11.9403	-100	-95.2	163.3484	-55.68562	-10.55276	-47.46399	-10.70806	17.4476	-40.80285	17.68116	3.088803
1979	-62.68657	137.931	-99.2	-33.03167	105.3512	-20.30151	-57.23231	-58.90767	14.67324	-88.75	276.087	6.949807
1962	-88.0597	124.1379	-100	-14.03213	-6.020067	-33.88095	12.27301	2.925878	61.65228	116.687	-38.45411	6.949807
1945	-70.14925	-100	-100	38.91403	-58.02676	-66.83317	2.567314	-15.60468	8.199753	-10.9248	-25.12077	-78.37838
1923	-82.08955	327.5862	-35.2	-71.49321	-67.89298	-74.67337	-53.47527	-63.13394	40.62885	30.8324	107.343	-98.4556
1906	435.8209	143.6782	0.8	-100	-96.32107	97.28643	-28.67877	27.63329	-64.75956	-43.90244	-69.95169	499.6139
1889	-100	-100	-86.4	-73.30317	-74.41472	34.77387	-20.53851	-23.27698	67.71887	47.91667	-42.80193	23.55212

2019	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	oct	nov	dec
2002	768.0597	-100	-80	-36.88158	-35.61873	-26.63317	-66.81277	-6.697009	-63.62515	17.17398	-40.67633	-93.82239
1985	889.5522	-100	-31.2	80.54299	-75.25084	-1.407035	2.128992	-13.52406	-43.2799	30.23374	-8.792271	290.1544
1963	-91.04478	-100	-97.6	180.543	-67.72575	-2.41206	-34.77771	6.697009	-42.04686	84.29878	-91.30435	27.41313
1946	-100	-85.05747	-93.6	17.64706	-20.23411	-19.29648	-1.314966	-20.05103	-58.19375	-34.90854	254.686	200.3861
1929	-16.41791	156.3724	-92	-70.58824	-43.14381	51.35678	-62.17909	-10.85826	-2.527344	-12.44919	-19.42029	16.60232
1907	-80.59701	-57.47126	58.4	135.2941	-76.92308	54.07035	-28.92934	-46.68401	-63.81011	-67.42886	-3.961353	246.7181
1890	-100	-100	-95.2	-63.34842	-67.05886	27.22618	-33.93863	-43.36801	-29.53344	-34.14634	44.44444	-33.59073
1873	-100	-39.08046	-97.6	-65.61086	-56.02007	-46.53266	-33.68817	-4.226268	-38.96424	99.28862	-18.84058	32.81853
2020												
1992	-7.985075	-10.34483	-100	-85.52036	-47.82609	-52.56281	-7.764559	2.600078	-24.28422	-77.51016	139.6135	290.9653
1964	-91.04478	-100	-100	-88.68778	-65.38462	-12.0603	-5.134627	1.430429	99.01356	-63.10976	31.20773	-72.97297
1936	20.89552	1104.598	-91.2	-21.71946	62.04013	-10.05025	1.815905	-27.10663	-38.16276	27.84553	121.256	-24.71042
1908	1019.403	-93.10345	-100	-96.38009	-39.96656	-68.84422	-46.27436	-13.97919	51.04809	-17.78455	-69.95169	-96.9112
1880	-82.08657	-47.12644	-100	-70.58824	-39.13043	-27.63819	-40.82655	-32.70481	-50.30876	-10.82317	218.5510	99.78761
2021												
1999	-98.50746	-81.6092	-100	-88.68778	-1.003344	-11.05528	-38.57232	-32.05462	-17.07768	19.66463	-36.71498	-91.50579
1982	-55.22388	-100	-100	11.31222	-68.56187	-32.1608	-16.84408	-32.05462	-25.77065	23.01829	8.019324	-100
1965	-80.59701	65.51724	-78.4	35.74661	-62.04013	-34.57286	-16.96932	3.771151	3.760789	-67.27642	-52.17391	27.02703
1943	80.59701	-13.7931	-99.2	109.0498	64.38127	-18.09045	-25.80589	56.43693	-13.50185	83.53659	-38.16425	-37.83784
1926	156.209	-56.17241	-464	80.99548	-77.7592	-58.79397	11.33375	-15.47464	-3.760789	-55.79187	-78.55072	-100
1909	459.7015	-80.45977	-100	272.8507	-41.13712	-30.55276	-34.90556	9.882965	6.103576	-93.3935	-99.61353	186.8726
1987	185.0746	-100	213.6	-18.55204	-58.52843	-52.26131	-49.21728	-9.102731	-59.92602	46.13821	209.4686	115.8301
1870												
2022												
2005	-56.71642	-49.42529	-92	-72.39819	-25.58528	-47.53769	-29.43018	-48.17945	141.0604	307.1646	-27.24638	-38.61004
1983	-91.04478	-9.195402	-97	-95.47511	-59.53177	24.0201	17.7824	-90.83225	41.9852	22.2561	-48.10918	-16.98842
1960	-91.04478	-100	-44.8	-100	-84.44816	-9.045226	-0.329994	-53.90117	63.29159	-57.68984	58.9372	-4.633205
1949	-85.07463	-94.25287	-100	-33.00167	117.3913	-5.226131	19.28616	25.35761	63.87176	43.39431	-49.85507	-99.2278
1927	173.1343	-48.27586	32.8	-100	-72.07358	38.09497	-16.21293	-4.356307	18.43403	-61.63618	175.8454	-100
1910	-98.50746	-94.25287	-100	-65.61086	-88.29431	24.1206	11.83469	-5.526658	6.658446	66.20935	-16.3285	-100
1893	-41.79104	124.1379	191.2	20.81448	-59.699	20.90852	11.5216	-39.27178	27.37361	5.081301	308.4058	-86.48649
1871	155.2239	66.66667	276	84.1629	-24.74916	-54.57286	-16.03006	-34.0052	-17.26099	-78.30285	63.86473	-72.97297
2023												
2006	-98.50746	-100	144.8	118.0995	-5.852843	-3.61809	54.47714	10.27308	20.71517	102.1341	87.77947	-86.10039
1989	-98.50746	-100	169.6	-99.54751	-60.36789	-17.58794	97.55792	2.925878	6.411837	-82.72358	-32.75362	8.880309
1967	80.59701	-100	528	-29.41176	-88.46154	1.60804	9.142142	-48.50949	-15.35142	-75.35569	-58.74396	112.7413
1950	-100	57.87356	65.6	-87.78281	-40.63545	-37.98995	-0.876644	-54.16125	4.562269	0	13.42995	-100
1933	-73.13433	-100	-86.4	-87.78281	-30.26756	-21.80905	1.94114	-18.40052	-31.0111	39.58333	-2.898551	103.4749
1911	-100	-100	-96	-68.32579	-62.87625	-20.20101	-14.77771	-56.89207	-12.08385	-26.1687	88.21256	29.34363
1894	-8.955224	33.33333	-100	68.32579	-80.60201	-5.025126	-46.83782	-21.06632	1.602960	106.3841	5.797101	-96.9112
1877	156.2239	183.908	393.6	-80.54299	203.6789	-69.09523	-48.96681	-91.73992	23.48952	0.101626	-76.81159	-10.81081
2024												
1996	-76.1194	-80.45977	-95.2	-44.34389	-72.40803	140.804	-9.455229	1.706112	21.33169	57.22561	3.864734	123.5521
1968	-4.477612	-77.01149	-90.4	43.8914	-83.61204	-36.68342	-32.62367	-81.40944	-25.40074	-21.44309	-48.4058	-25.86873
1947	88.0597	-19.54023	-100	-81.90045	-89.29766	-44.72362	5.698184	6.697009	31.07275	-18.54675	-57.58454	356.9846
1912	-95.52239	-90.8046	-48	-45.02262	-75.25084	-73.56784	3.38134	37.70481	2.034525	-14.58333	6.859903	-100
1884	50.74627	-6.896552	-86.4	-79.63801	-64.88294	-47.81407	-27.36381	-3.60078	10.7275	14.88821	20.19324	67.95367
2025												
2003	-59.70149	-90.8046	100.8	-90.09502	-90.301	-18.99497	8.515967	-18.02542	-11.77559	34.24797	-88.11594	282.2394
1986	944.7761	348.2759	-96.8	-22.62443	-0.501672	-16.28392	-48.40326	50.91027	-42.66338	20.22358	52.75362	-80.69498
1969	-98.50746	-100	-80.8	-100	273.0769	-35.27638	3.068253	-50.71521	-46.17756	87.0935	106.57	356.5985
1947	88.0597	-19.54023	-100	-81.90045	-89.29766	-44.72362	5.698184	6.697009	31.07275	-18.54675	-57.58454	356.9846
1930	-95.52239	159.7701	-44.8	-84.61538	118.2274	44.72362	-39.07326	-41.09233	-16.2762	117.0732	67.24638	57.14286
1913	-100	10.34483	-100	-92.76018	-47.99331	-10.45226	-1.064496	-58.38752	-31.93588	42.37805	-86.18357	-96.33205
1891	-64.1791	83.90805	-59.2	89.14027	-37.29097	-55.57789	-39.26111	-27.95839	-26.75709	-68.24187	-87.343	-35.52124
1874	-80.59701	-93.10345	-90.4	-100	38.79599	31.75879	-5.259862	-53.83615	34.58693	80.18293	-34.78261	-27.79923

2026	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec 30C
2006												
1987	163.6364	-94.82759	149.4949	-45.18072	-22.94521	-35.05535	-13.94389	1.055046	-64.00233	77.55344	660.7658	-73.33333
1970	65.90909	-62.06897	-8.080808	54.81928	55.47945	66.12546	-40.75908	64.22018	2.567086	-58.05701	-100	-100
1953	-15.90909	-100	-100	112.0482	-98.9726	50.62731	-22.31848	26.46789	38.73979	103.2067	-100	-100
1931	-100	-22.41379	-45.45455	-69.87952	52.39726	41.69742	9.19967	-37.79817	46.03267	26.48456	77.03349	-86.66667
1954	-100	-100	-95.9596	-6.024096	32.53425	50.2583	10.06601	-6.055046	20.37106	-73.22791	-80.86124	-33.33333
1887	-100	72.41379	-100	12.04819	-57.19178	-37.71218	-19.84323	0.93633	26.60443	-40.61758	-100	-100
1875	-46.36364	-100	-23.23232	36.74699	-17.12329	15.49815	-26.03135	-48.57798	-63.53559	-30.28504	-100	2.222222
2027												
2010												
1993	-100	-93.10345	16.16162	1.204819	2.054795	-40.59041	-3.135314	-27.70642	-26.54609	25.05938	-100	304.4444
1971	-27.27273	579.3103	-29.29293	30.12048	94.17808	1.958819	-61.50264	-19.12844	-35.53097	53.20665	-100	-100
1964	-100	-100	-96.46465	-48.79518	-32.53425	-18.52399	57.57426	-2.247706	85.86931	47.50594	-100	-96.66667
1937	-100	813.7931	213.1313	716.8675	-82.53425	-53.57934	9.405941	-43.34862	-16.25137	9.619952	-96.17225	-73.33333
1915	304.5455	60.34483	543.4343	3.614458	1.369863	39.7048	-16.74917	-7.981651	11.81027	70.19002	16.26794	-95.55556
1898	-100	241.3793	-77.77777	101.8077	-79.45205	-24.42804	45.46205	-34.3578	7.117853	-41.92399	163.1579	-100
1881	-100	-100	94.94949	12.6506	-49.31507	-23.39483	-57.38449	-33.94495	6.651109	-37.64846	89.95215	-100
2028												
2000	-43.18182	541.3793	-89.89899	-42.16867	52.39726	48.19188	-24.05116	67.29358	-67.67795	-65.2019	-98.56459	-100
1972	-100	56.89655	-100	23.49398	-55.47945	-4.723247	-41.49059	-58.25688	52.80047	28.14727	209.0909	66.66667
1966	-100	212.069	1005.051	-63.75301	60.61644	-72.28782	3.341584	-30.68807	31.56359	60.45131	-22.11461	-100
1916	15.90909	213.7931	-100	34.93976	-37.26027	34.39114	8.393571	-24.0367	44.5741	106.1758	355.0239	-100
1888	95.45455	43.10345	-82.82828	-9.036145	94.86301	-72.87823	-6.395611	-41.09037	61.84369	-93.5867	-267.9426	6.666667
2007	-100	-48.96757	-93.93939	35.54217	-71.57534	21.12843	-47.44724	-18.07752	57.64294	-103.61045	37.32057	-100
1990	-15.81818	20.68966	92.92929	72.89157	479.1096	40.4428	-39.93399	49.90826	-17.26954	91.92399	55.50239	-100
1973	100	-100	-70.70707	-73.49398	-20.89041	5.313653	-10.69842	42.93578	-54.90082	185.5867	-14.83254	-91.11111
1951	100	-100	309.0909	30.12048	53.08219	-15.04576	15.80033	-39.86239	-29.46324	4.750831	96.17225	-88.88889
1934	-100	-100	51.51515	17.46988	-89.0411	4.487085	20.91584	-9.954128	-16.10968	-80.16623	79.42584	-100
1917	-100	670.6897	52.52525	29.51807	77.73973	36.01476	6.435644	-16.83486	66.62777	36.10451	5.741627	-100
1895	-100	37.93103	-49.49495	33.73494	-64.72603	42.06642	-2.310231	-7.201835	34.36406	-11.1639	-77.03349	-100
1878	-100	100	-31.31313	-13.85542	8.219178	-18.45018	72.81353	75.73394	0.116686	66.03325	-17.70335	-100
2011												
1994	104.5455	-5.172414	-100	0.60241	-58.56164	-32.98893	-71.20462	7.155963	-78.76313	24.10926	86.1244	100
1977	-100	100	-46.46465	3.012048	93.15068	77.23247	-13.57261	11.49624	-67.36873	9.857482	249.282	-17.77778
1955	-100	100	-51.51515	27.10843	51.36986	29.37269	-8.993399	48.85321	-41.94866	68.61608	-51.67464	100
1938	100	693.1034	67.67677	-46.98795	37.67123	84.72325	14.19142	26.46789	42.8238	-24.58432	-100	-97.77778
1921	145.4545	-100	-97.9798	-15.06024	-78.08219	36.23616	-7.962046	-47.03835	13.39056	-25.89079	77.2488	-22.22222
1899	-100	-100	-79.79798	110.8434	8.90411	-21.84502	-75.16502	-37.83578	-32.32206	-97.6247	-100	100
1887	-50	-100	-100	-21.68675	-32.19178	-71.18081	-15.09901	-23.7156	59.68495	-88.36105	191.866	-100
2004	540.9091	65.51724	-41.41414	65.66265	-27.05479	-53.50554	-8.6033	-44.0367	-37.33956	-16.86461	39.71292	100
1976	-100	-100	-87.87879	-24.09639	-41.09589	-34.68635	74.83498	1.211009	-39.84831	-84.7981	63.63636	100
1948	-97.72727	-24.13793	-44.44444	98.79518	-10.27397	-60.51661	-8.49835	-31.0055	30.70679	-29.57874	307.177	-150
1920	45.45455	-100	-79.79798	-1.807229	-19.17808	-47.05203	-40.88284	-56.3211	-41.89032	-75.89079	-89.47368	-100
1892	-100	-100	-100	-12.04819	-54.79205	13.50664	24.66997	86.37431	86.09778	108.1948	-32.53588	-77.77778
2008	-95.45455	693.1034	2070.707	-8.433735	-71.57534	-15.64576	-29.53795	33.21101	5.484247	-58.31354	-73.44498	-73.33333
1980	54.54545	-100	-88.88889	-9.638554	-27.73973	56.82657	-35.23102	27.11009	-72.92887	-84.20428	-87.08134	55.55556
1957	-100	120.6897	-100	12.04819	111.5803	57.56458	-23.63861	-17.11009	-20.30338	41.68646	-100	35.55556
1924	118.1818	-100	-86.86869	9.638554	-44.52055	-51.58672	-37.0462	-16.37615	55.0175	-33.49169	318.6603	-100
1894	235.8182	-82.75862	-43.43434	-15.06024	-79.45205	1.918819	26.5264	15.18349	73.10385	-18.52732	124.8804	-100