

Gujarat 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 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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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.

	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	77.18	-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	-9.19	-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	-36.2	-44.6	-34.6	-42.3	-27.5	+13.9	2396	-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	+17.0	+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	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	-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	783.3	+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	+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	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	-93.3	-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	-56.4	-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	-18.1	-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	

B	JUNE			JULY			AUGUST			SEPTEMBER			Diveson		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	8	+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	-5	-3	
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	+44	-22	
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	-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	
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	
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	+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	
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	
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	+67.7	+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	
2008																
1980	+66.0	-17.6	+80	-34.3	-28.4	-11.6	-99.9	7017	-8.6	+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	-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	
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	+0.8	-56.1	+4.1	-40.1	-35.7	-48.4	-20.4	714.6	+54.8	-10.3	+25	+10	-3	
1931	+50	-440	+789.9	+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	
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	739.9	+24	-10	+19	
1937	-60.8	+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	
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	70.93	+39.5	-17.6	-42.6	-67.6	-49.6	-58.4	-85.1	+22.99	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	-860	+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	
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	+80.9	+37.8	-30.7	-38.4	-14.3	+503.6	+98	+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	

	2013	June			July			August			SEPTEMBER			OVERALL SEASON			REMARKS
		T	R	C	T	R	C	T	R	C	T	R	C	T	R	C	
18	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	?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	-4.33	+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	?3.6	-52.1	-31.8	-42.4	-99.9	-40.6	-71.1	-50.4	-38	-53	-19	

	21 COUNTRIES												
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	
2012													
1984	-100	100	-100	-100	-100	-31.02667	15.80629	47.84587	-17.61755	-78.80188	-100	-100	
1986	-100	-90	-100	-84.61538	583.3333	-9.053834	79.33999	16.74115	-8.19347	444.2506	-92.72227	-85	
1988	-100	87.5	-100	-100	100	-47.79727	-2.052115	-33.37917	-8.828559	1.943118	82.72727	-80	
1990	-100	-100	-100	-100	423.0769	58.33333	94.28796	48.89204	57.78618	-18.92417	-100	-100	
1872	-100	-100	-100	-84.61538	-88.66667	63.13214	1.552967	-33.6198	-3.65906	94.88887	-100	-75	
1910	130.7692	-100	-100	-100	-90	85.4323	31.70272	-51.8735	-36.42813	137.3272	-100	-70	
2013													
1991	-100	100	-100	-100	-100	-36.13377	28.28615	-36.19801	-73.10345	-100	92.72727	-100	
1974	-100	-100	-100	-100	700	-79.11909	63.31115	-71.36473	-64.45141	-5.329554	-100	1000	
1992	107.6823	-100	-61.51846	-91.30769	55	33.44208	-27.88114	-36.40478	-94.35737	82.94951	-29.09371	-85	
1935	997.3077	87.5	-100	69.23077	-100	-29.26378	0.138958	-65.28017	36.67712	-44.70096	-100	-100	
1918	-100	-100	-84.61538	-100	151.6667	-65.82282	68.99812	-90.38845	-86.35575	-100	-100	-100	
1901	38.46154	-100	-31.89615	230.7692	16.66667	-47.31643	-33.36106	-44.03575	-94.92163	-58.447	-100	-80	
1879	-100	587.5	-100	-100	16.66667	97.61118	55.62961	23.10077	-1.360188	6.917442	-100	-100	
2014													
1997	476.9231	-100	69.23077	938.4615	88.11111	363.6584	-43.34443	47.17625	-36.48503	73.04547	-54.54545	75	
1975	-100	-87.5	-42.30769	-100	-100	80.91354	-46.94953	37.79793	92.78997	266.8203	-100	-100	
1998	23.07682	-100	53.84615	31.76923	-100	4.486134	-9.400988	-3.734423	1.36.1755	182.9498	-68.18182	-100	
1941	-38.46154	1000	-76.92308	-53.84615	-95	64.97658	101.8026	-29.66885	-78.99687	-82.00705	-100	-50	
2015	284.6154	-100	-100	-15.38462	38.33333	-27.1615	-4.104271	72.75988	-56.11285	31.17051	4.545455	-55	
1902	107.6823	-100	-100	-100	66.66667	-81.89233	-34.8863	0.103128	82.44514	-82.1633	92.72727	305	
1885	7.692308	-100	-100	92.30769	43.33333	-51.05383	-71.46423	16.80999	-83.0064	71.71173	-86.36364	-100	
2016													
1998	-100	-100	-100	-100	-100	-3.915171	-36.12707	-35.3386	118.6218	395.3917	-30.90809	-100	
1981	35.38462	-100	-38.46154	-92.30769	-55	-21.81729	4.908488	22.31007	-71.17853	76.03687	151.8182	-100	
1959	100	-100	-100	207.6923	91.66667	11.90865	71.57515	-11.53792	140.3508	489.8618	-54.54545	-100	
1942	50.38462	1287.5	-100	-100	47.33333	1.631173	20.85413	23.857	5.956113	-100	-100	-90	
1973	-100	-100	-100	-100	114.3033	133.7684	-45.56295	-76.03425	91.27844	-93.53917	56.36214	-100	
1803	-84.61538	-87.5	92.30769	-100	-100	55	81.9739	11.64171	-84.46683	3.899687	-92.70341	-100	-100
1886	-100	-100	-84.61538	-100	85	59.54303	36.63118	-24.09763	-71.38683	186.6313	-100	-85	
2017													
1988	-100	-100	-100	269.2308	-100	47.47145	68.98612	27.33147	12.03787	-76.95863	-100	269	
1966	0	-100	-100	92.30769	-85	-5.791191	-10.09423	-76.78051	11.34796	-100	-100	-100	
1992	-100	-100	-84.61538	-69.23077	98.33333	-55.79119	60.67644	-58.00681	-20.40439	-5.677471	-98.18182	-100	
1904	-7.692308	1337.5	384.6154	-92.30769	-55	-62.389	-51.5807	-82.12444	-46.64577	-79.26267	-100	-70	
1876	-100	-100	-76.92308	-7.692308	-81.66667	-62.47861	-11.738128	-0.101128	-3.69904	-100	-100	-100	
2018													
1997	755.8462	-100	-15.38462	61.53846	-100	-96.32953	18.96839	-58.71433	-59.83191	24.88479	-94.54545	-80	
1978	-100	82.5	-100	107.6923	-100	68.24958	-39.93344	1.628195	-73.98119	-38.70968	242.7273	-95	
1943	-100	232.5	-100	-100	-81.33333	-7.594028	-6.905158	-35.44173	199.4044	-38.09068	-100	-100	
1938	-100	90	123.0769	-100	-100	-79.85316	-47.59962	-1.478171	37.11588	97.22602	-68.54545	-100	
1927	-76.92308	-100	-100	-100	-100	-2.528584	-13.83885	-57.54556	84.33793	83.87977	-75.45455	-85	
1905	-100	-75	21.07692	-84.61538	-100	-81.52365	70.88186	-91.68099	-56.35737	-94.47665	-94.18182	-95	
1843	576.9231	-100	130.7692	-100	338.3333	38.75449	24.40577	-77.99321	48.46395	77.41995	-100	-100	
2019													
2001	-100	-100	-100	15.38462	511.6667	101.1419	-71.74154	-25.81643	-97.11599	113.8245	-100	-100	
1979	-100	1100	-100	-100	-100	-9.787978	-61.08262	33.6198	68.21317	-45.12217	977.2227	-100	
1982	100	-100	92.30769	30.76923	-50	62.47261	-71.198	-51.94235	28.90282	-100	55.45455	-45	
1945	484.6154	-100	-100	-61.53846	-71.69957	36.07341	38.35181	-19.62878	137.7116	-97.22602	-100	-100	
1923	-100	712.5	-53.84615	84.61538	8.333333	99.26797	-35.91747	-83.04028	-52.71777	-94.93333	-100	-100	
1906	92.30769	1800	-100	-100	-100	57.29338	-9.400988	-12.33292	-7.488815	-85.75348	-100	-60	
1881	53.84615	87.5	-100	-100	631.6667	34.1875	4.215197	-8.699206	-71.22257	8.147465	-100	100	

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
2019												
2007	-100	-100	-61.53896	-100	-100	76.99837	36.77205	-2.853714	-79.78056	96.31316	-100	-100
1985	-100	-100	-100	107.6923	-90	94.70881	-75.76262	-39.7231	-90.09404	477.4194	-100	-70
1963	30.76923	-100	-23.07692	88.46154	-78.33333	-46.90049	14.03277	45.75891	48.58934	-13.99426	199.0909	60
1946	-100	77.5	-100	69.23077	66.66667	100.876	-24.5147	49.76091	-71.44701	-94.47005	288.1818	17.5
1929	30.76923	-100	-100	473.0769	91.66667	37.17945	13.09935	-48.09832	-89.78056	-63.59447	-100	47.5
1907	-76.07308	2417.5	84.61538	23.07692	-100	-51.18192	-5.057238	118.4912	-90.59561	-100	-100	-100
1890	-100	-100	-100	81.76923	-100	81.32717	-24.5147	-24.61377	-39.74765	-81.56647	-95.45455	-60
1873	-100	1412.5	-100	-100	-36.66667	-34.50245	-19.66667	29.32279	-43.0069	-94.47005	-100	-100
2020												
1992	38.46154	-100	-100	-100	66.66667	76.77187	-35.45639	-0.275008	46.1442	36.02304	-75.45455	-100
1964	-100	-100	-100	-100	66.66667	-17.07178	20.71547	15.26298	-18.49951	-100	-96.36364	-189
1936	-100	62.5	-15.38462	-100	-90	74.22512	63.25568	-82.81196	8.338958	-92.1059	318.1818	-100
1908	296.1538	-87.5	-100	-100	-100	-52.77325	62.5628	24.68202	-86.1447	-99.53917	-100	-100
1890	-100	-100	-100	-100	-90	-16.06852	14.19856	-39.91062	99.59561	134.129	-95.45455	70
2021												
1994	-100	300	-100	-100	261.6667	36.21533	-38.73932	-84.80678	-78.55799	271.4286	-100	-100
1987	-7.692308	-100	-100	110.7592	1109	-75.73572	-19.05824	-24.54452	-86.0815	-81.87097	798.1818	465
1965	638.4615	-100	84.61538	-84.61538	-91.66667	-95.0717	18.43982	-41.62943	-85.83272	-100	-81.81818	-100
1943	-100	-100	-100	-76.92308	128.3111	5.057096	29.97781	-74.75232	-11.28527	216.129	-90.90909	-100
1926	869.2308	-100	-100	97.30769	66.66667	-85.48124	18.05374	58.03919	141.7585	-99.53917	-100	-100
1903	92.30769	-50	-100	246.1538	-93.33333	81.56667	0.388247	-19.9725	-13.9185	-96.31316	-100	150
1987	-100	62.5	-100	-100	-91.66667	-40.71707	-66.72294	-41.35442	-96.17555	-90.70343	39.09091	565
1870												
2022												
2009	-100	-100	-100	-100	88.33333	149.9184	10.53799	-24.06325	127.3354	83.41934	-100	-100
1983	-51.84615	-100	-100	894.6154	-78.11111	13.86623	20.99279	25.25304	6.583072	229.4933	-100	-100
1960	-7.692308	-100	-100	-100	-16.66667	51.30506	-43.33855	-36.02613	-48.52665	62.67283	-100	-70
1949	-100	-37.5	-100	-100	-86.66667	-77.40627	-15.80699	-23.9943	43.1248	22.58865	-96.36364	100
1927	-100	462.5	-100	-53.84615	-95	41.29002	139.1847	-39.80749	-41.37931	-28.3106	91.81818	590
1910	-38.46154	-100	-100	-97.30769	96.66667	123.6542	-27.48297	36.19113	-84.51411	6.451613	-1.818182	-100
1893	47.30769	927.5	15.38462	-61.53896	38.11111	266.3132	16.10616	-41.09503	-45.20376	-94.47005	242.7273	-90
1871	-100	-100	-100	-53.84615	155	-15.75285	-51.30338	15.05672	-64.76699	-100	201.8182	100
2023												
2006	-100	-100	-38.46154	-100	-100	8.319719	45.77934	40.29438	32.72727	-72.81106	-93.63636	-100
1989	30.76923	-100	-100	-100	-100	-14.02938	-7.598447	2.784462	-47.7116	97.69585	-100	-100
1967	-100	-100	4123.077	-92.30769	-100	15.88907	14.39268	-30.82096	-29.71787	85.25546	-100	955
1960	-100	-100	-100	-100	-100	97.63985	38.94602	-76.63502	96.9279	94.53088	-100	-100
1933	-100	567.5	84.61538	200	583.3333	-14.68189	23.81143	91.47473	11.59603	-47.59627	-92.72727	27.5
1911	169.2308	-100	1338.467	-100	-100	19.90312	-81.8081	-77.83678	-64.01254	-100	69.29293	-100
1894	169.2308	-100	-38.46154	-69.23077	-66.66667	96.57473	93.26123	-68.20013	29.7343	482.1893	-100	-10
1872	92.30769	1925	84.61538	38.46154	101.6667	-33.93148	-24.26511	-90.82159	-12.10233	362.7419	-70.90909	37.5
2024												
1996	323.0769	-100	-100	-100	-100	-7.422512	9.290072	-20.14438	-27.27273	23.5021	-89.09091	-100
1968	-100	0	-38.46154	-100	-100	-73.49103	-36.18968	-14.81609	-76.48276	-51.15207	-97.27273	-100
1947	-7.692308	-100	-100	4607.692	-100	-96.32953	-22.8508	-9.006531	70.97179	-61.75115	-45.45455	-100
1912												
1884												
2025												
2003	-53.84615	8262.5	-100	-100	-100	79.99837	36.77225	-2.853714	-79.78056	-96.31316	-100	-100
1986	-100	-100	-15.38462	-100	-46.66667	56.44372	63.77712	-52.8704	-98.4326	-98.15668	-81.81818	-100
1969	-100	-7.5	-100	-100	-100	-29.03848	-26.20837	-35.62949	-9.529781	-100	-54.54545	75
1947	-7.692308	-100	-100	-4607.692	-100	-96.32953	-22.8508	-9.006531	70.97179	61.75115	-45.45455	-100
1930	130.7692	-100	-100	-100	-90	45.43213	11.20272	51.8735	-36.40633	137.3277	-100	-70
1913	-100	-100	84.61538	-100	76.66667	212.180	12.09096	-29.25404	-7.460815	-98.15668	98.18182	-100
1891	207.6923	-100	84.61538	-100	-90	-86.7969	48.01847	-41.11378	-13.7931	-76.4977	-100	-100
1874	92.30769	-100	-100	-100	-46.66667	36.46023	6.239601	-8.731523	-43.63936	-100	-100	-100

Surf

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
2006												
2009												
1987	-100	62.5	-100	-100	-91.66667	-80.21217	-55.22296	-41.25447	-26.17515	-76.96853	-100	-100
1970	92.30769	0	92.30769	-69.23577	-15.66667	97.22675	-39.54652	38.22621	95.10922	-25.80645	-66.38284	-100
1952	1001.528	-100	-100	-92.30769	-100	7.349946	-34.90738	87.55199	-30.09404	-98.61751	-100	-100
1931	-100	-75	-100	-92.30769	80	82.02546	-12.06323	25.24467	-90.15624	334.5622	-73.22222	0
1924	-100	227.5	-100	-100	0	90.45177	20.82654	-55.96425	41.82888	-62.67281	-31.22222	100
1892	-76.92308	-100	-100	-76.92308	-100	59.89445	-18.66238	7.621488	13.54222	-12.4428	-100	-100
1875	-100	2982.5	-92.30769	297.3022	76.66667	-5.791241	20.46962	-63.59524	128.0815	-85.25346	-100	-83
2027												
2010												
1998	202	812.5	-76.92308	-100	-100	-27.08369	53.54964	-28.05871	-28.49843	47.46544	-68.18182	-100
1971	-100	-100	-100	-84.62538	23.11333	35.62216	-28.02209	-31.24785	-16.12285	-73.35023	-100	-100
1954	-100	227.5	284.6154	-100	-100	22.18597	13.47254	-21.23823	268.6364	22.11282	-92.22222	25
1937	-100	637.5	92.30769	-100	-100	100.7291	67.72241	-80.82159	94.22157	-87.25228	-100	25
1915	246.1523	55	500	-53.84615	-63.33333	2.854812	-65.32555	-73.66793	-24.18428	347.0046	-95.45455	-100
1898	-100	2625	-100	-100	-25	23.24623	16.6112	-60.68938	-1.818182	-100	94.54545	220
1881	-100	102	-38.46154	-53.84615	25	-67.29272	85.22652	-6.222087	-10.28223	63.45622	97.22222	220
2028												
2000	-100	-100	-100	-100	845	-50.22626	-15.00277	-59.62611	-93.8558	98.61751	-100	65
1972	-100	300	-100	-100	-81.33333	36.94843	-54.28159	-39.05122	98.50561	98.61751	-100	-100
1944	69.23077	-100	400	15.38462	83.33333	2.444182	25.45252	21.94412	66.32229	-8.25526	-100	100
1916	-100	100	92.30769	-100	-6.666667	-14.25563	92.08219	51.22891	28.90282	96.68203	-75.45455	-100
1888	538.4615	512.5	-100	-100	-100	24.24256	-81.24622	2.442701	-46.61442	95.38121	150.0229	-100
2029												
1992	-53.84615	200	-84.61538	-100	-84.33333	30.42424	24.4215	23.89222	36.61442	-100	-60.90909	-100
1980	-100	512.5	-100	-100	-100	318.3333	-21.82222	-86.94953	24.69922	12.41329	-20.22025	-18.18182
1973	102.5222	0	-100	-100	-66.66667	-3.012445	-24.84748	20.02929	11.2.8882	-65.18882	-100	-75
1951	-100	-100	-18.46154	100	98.33333	52.01458	-32.22224	-45.20502	98.56122	-60.82949	-50	-100
1934	-100	-100	2.692398	-100	-100	88.66222	23.22224	17.26622	-52.2611	96.12226	52.22222	100
1917	230.2492	1162.5	-100	351.8962	1966.667	26.26222	-16.22222	22.22229	120.8272	1024.424	-100	-100
1895	100	-100	69.23077	53.84615	-100	4.25125	-18.48222	-25.22891	60.82505	41.42465	-100	-100
1878	-100	-100	-100	15.38462	220	2.202284	28.32224	82.26226	27.55485	0	-100	-100
2011												
1994	2220.529	82.5	-100	-76.82208	-95	123.8989	22.02422	8.692142	102.2881	92.69585	94.54545	-100
1977	524.9221	-62.5	-100	53.84615	225	89.22268	42.58222	-41.25442	-18.30222	-100	53.84615	-100
1955	-100	100	-76.92308	-38.46154	-91.33333	-18.0261	-29.06267	26.40426	91.24226	120.2222	-100	-100
1938	-100	-25	-100	-100	111.3333	124.584	-11.22203	-95.22226	-81.89442	6.92242	-100	-100
1921	-76.92308	-100	-100	-100	-100	-22.42522	52.22222	-31.24422	142.6992	92.22222	-100	-100
1899	-100	-100	-100	-100	91.66667	29.22445	-95.20582	-96.22809	-81.25861	94.42025	-100	-55
1882	15.28462	-75	-100	-100	-100	48.62444	63.22888	-69.02226	9.506264	-100	-95.45455	-100
2004	-100	-100	-100	-100	118.3333	43.40222	-11.48082	18.60422	-24.26222	-16.22203	-100	-100
1974	146.1523	-100	-100	-100	-100	102.0242	12.22422	16.81622	-27.52261	-100	540.9091	-100
1948	1092.208	-100	-100	-100	-98.33333	-49.5226	-51.26668	-62.2222	-65.22224	-36.02208	222.2222	-100
1930	2828.462	125	-100	-92.30769	1058.333	52.02622	29.22224	-48.62522	82.00622	-100	-100	-100
1892	92.28968	12.5	-100	-100	-95	-19.24929	1.820228	18.02204	141.511	-23.96222	90	-90
2008	-100	12.5	-100	-100	-100	-22.92226	-16.22226	18.82248	26.85622	-96.22226	-95.26264	10
1980	-100	-22.5	-100	-100	-100	22.20222	-38.20226	-4.22226	-86.20498	-100	-63.66666	825
1962	-100	-100	-100	-100	-100	22.20222	42.82226	-92.20222	94.20226	-96.22226	-100	-100
1924	15.28462	-82.5	-100	-100	23.22222	-25.22222	-18.22226	-29.20226	26.8815	-18.42222	-100	-70
1894	189.2023	-100	-38.46154	-69.23077	66.62267	92.52222	52.22222	68.20222	29.22222	480.1842	-100	-10