

Bihar 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.

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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.

Conclusions:

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	714.4	-61.8	-13.4	-6.5	-44.4	-52.0	-53.8	-22.4	-94.3	-28.4	+10.9	+15.1	-25.1	+2.1	-1.2						
	1979	-18.7	-26.9	-23.0	-530	-40.4	-60.9	-50.4	-578	-64.2	+99.3	+37.8	+12.1	-8	-20	-21						
	1962	-48.5	+54.0	-36.1	-24.9	-47.1	+2.5	-27.6	+6.1	-10.5	+103	+4.4	+58.9	+14	-11	+30						
	1945	+17.1	-58.3	-67.7	+14.2	+112	-6.7	-2.23	+17.7	-26.6	+18.9	-15.6	+6.3	+8	+15	-1						
	1923	-80.1	-11.2	-75.5	+3.97	-53.4	-57.5	-54.2	-80.7	-99.4	+73.8	+33.5	-99.3	-17	-29	-13						
	1906	+95.6	+57.6	+180.6	-10.7	+18.0	-34.9	-3.33	+13.8	+10.9	+34.8	+47.4	-45.6	+10	+29	+18						
	1889	-16.6	-25.8	+50.1	+2.55	+43.6	-27.4	+24.0	+28.8	-33.2	+76.8	+17.8	+45.2	+18	-34	+23						
7	2019																					
	2002	-23.0	+16.5	+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						

8	JUNE			JULY			AUGUST			SEPTEMBER			OCTOBER		REMARKS	
	T	R	C	T	R	C	T	R	C	T	R	C	T	R	C	
2025	+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	
2003	+11.3	-14.8	-21.6	-19.6	-21.4	-28.4	+52.9	+47.3	-54.8	+31.1	-34.3	+20.3	-43.6	-1	-5	-3
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	+44	-22	
1969	+6.09	+11.3	-37.4	-77.99	+11.0	-5.0	-26.4	+53.5	-57.1	-78.9	-73.9	-20.6	+9	+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	+26.6	+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	-4.86	-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	?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	-1.8	+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	?77.9	-31.3	-32.3	-61.3	-26.6	-57.4	-19.4	-25.4	-24.6	-14.3	-40.7	+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	+56.2	-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	-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	733.3	+25	215.8	-34.1	-36.1	+25.8	+13.9	?77.7	+89.8	+81.7	?82.2	+48	+58	-45	
1921	+44.2	-4.16	-39.8	-66.0	+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	70.96	+809	+37.8	-30.7	-38.4	-14.3	+503.6	+38	+19.6	+24	+20	+40	
1928	+37.3	+21.8	-56.2	-21.5	-38.5	-20.2	-27.5	-17.4	-29.7	+102	-3.44	+9.5	+9	-5	-2	
1900	-10.9	-30.1	-47.8	+29.3	+48.5	-19.3	-38.7	-78.6	-63.6	+90.3	+53.8	+10.0	+10	-2	-12	
1872	-44.5	-13.8	-0.2	-29.9	-17.7	-18.1	-45.0	-99.1	-9.49	+44.4	+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	-26.8	-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	+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	21.32	-529	-34.5	-21.5	-58.6	29.8	+15.4	+20.2	+5.1	+49.0	+70.6	+55	-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	74.76	+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	215.4	+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			

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
1/1/1	-21.518	-26.410	-16.909	-58.947	51.553	121.446	45.598	74.448	16.000	-76.690	-100	-13.05
1/2/1	-6.613	-15.136	-21.518	-32.163	21.239	71.469	-50.287	-1.072	29.115	116.227	62.683	113.013
1/3/1	17.930	49.801	-100	-10.516	-8.715	-3.201	17.056	6.000	-58.161	151.117	-100	-5.45
1/4/1	257.631	3.259	-95.415	-77.353	-11.105	25.106	-21.265	-37.068	17.910	-34.533	-100	137.839
1/5/1	92.171	54.100	-86.313	-19.477	-21.38	-16.848	-4.171	-26.319	1.034	-16.978	-100	-100
1/6/1	-34.951	-41.880	-10.997	-71.042	-14.726	-1.039	763.061	-29.176	21.166	-78.105	448.55	102.973
1/7/1	-6.624	-6.236	-9.090	-32.105	-14.076	-14.731	-16.459	9.450	2.035	-90.648	-100	10.911
1/8/1	-13.030	-24.818	12.431	-16.181	-12.74	-17.302	42.516	3.937	13.401	-57.041	-100	91.281
1/9/1	-20.070	-19.454	-19.454	-19.454	-19.454	-19.454	-19.454	-19.454	-19.454	-19.454	-100	-10.54
1/10/1	72.134	3.1478	-100	-38.913	-15.085	-36.526	-16.861	50.311	50.366	-91.136	-100	-100
1/11/1	-9.838	-100	-17.272	56.313	76.416	40.381	-37.399	37.716	34.393	-55.310	-100	-100
1/12/1	244.718	60.683	2.177	-9.179	59.661	-51.297	-31.791	21.434	-32.298	-12.334	41.048	-100
1/13/1	-100	72.801	-99.048	-100	-49.360	-2.310	10.813	10.493	97.389	110.037	-78.114	-83.318
2/1/1	-19.817	-16.870	-47.278	157.898	6.398	49.363	49.136	51.685	-13.786	-42.935	90.740	123.43
2/2/1	-24.648	-20.461	-11.505	-26.559	-4.239	-21.002	41.219	-53.072	28.182	-5.611	-100	-100
2/3/1	-30.084	-28.480	-2.69	16.491	-7.257	-26.910	-16.209	23.373	-13.787	-18.841	-100	-99.614
2/4/1	-2.009	-62.704	-10	-10.98	-2.656	10.579	-38.649	93.118	-11.090	-5.223	-100	-100
2/5/1	133.051	-40.100	-58.181	-23.427	-34.680	22.060	32.939	-34.071	-2.0718	11.742	-100	-11.838
2/6/1	-81.164	-15.136	14.636	0	0.204	-39.598	-7.017	-21.566	6.135	-64.003	-77.178	-100
2/7/1	-83.921	-11.953	-15.145	-83.151	-18.647	-36.714	6.063	13.414	0.530	-82.587	-100	915.51
3/1/1	-30.733	159.56	132.381	75.789	26.176	-57.368	46.777	34.585	23.461	19.224	162.40	81.186
3/2/1	157.344	21.333	118.363	103.633	49.204	-6.675	40.241	-2.050	-23.035	-16.045	20.270	113.349
3/3/1	456.626	-79.871	2.54.479	-3.105	5.184	-38.434	-31.434	-10.253	-18.380	-11.84	-100	-100
3/4/1	12.5.903	28.461	53.273	-31.736	-4.360	-31.083	-29.916	19.202	-15.073	-9.208	-100	-12.383
3/5/1	-31.12	-7.9.105	-24.511	104.738	-10.781	-3.6.819	-11.910	9.513	-11.279	50	-100	-100
3/6/1	-6.9.87	-7.9.657	-8.201	-1.7.18	-11.3.87	-6.177	-6.7.809	2.5.50	-2.5.50	9.8.811	-100	-100
3/7/1	-66.86	-76.113	39.510	-76.318	14.625	0.3938	2.7.504	40.384	62.693	139.712	-44.879	64.364
4/1/1	-95.180	45.219	153.123	76.142	-8.775	-6.312	-1.131	40.304	-25.36	-38.808	-20.700	81.018
4/2/1	80.149	6.129	-6.9.516	-83.157	13.348	-13.478	-10.487	-18.104	-50.385	11.142	350	-18.919
4/3/1	-100	-34.786	-19.948	-13.973	-35.071	-28.112	-2.3.79	-17.460	-50.710	12.70.63	97.20.71	-50.000
4/4/1	-48.192	-78.632	-12.43	-2.5.187	102.58	43.576	13.488	26.81	-64.330	59.712	100	-51.000
4/5/1	-81.951	-100	-8.3.45	26.342	-16.613	-18.639	-26.392	11.923	11.405	106.648	-100	-100
5/1/1	-2.7.108	108.78	-6.5.472	-90.736	-73.309	5.430	-35.615	12.082	2.9.537	-88.467	104.81	1100
5/2/1	-12.248	152.478	19.5.704	-43.804	-5.8.800	19.468	-16.139	-8.581	-3.407	146.043	23.419	10.912
5/3/1	-9.819	206.13	-15.0	-19.173	-23.219	32.118	-32.534	-10.182	-10.179	280.473	-16.976	139.837
5/4/1	-36.247	326.471	-4.8.45	-26.241	-6.351	12.367	-16.526	-8.526	-8.526	-7.155	-100	-100
5/5/1	-6.614	-35.044	-100	-14.5.810	6.2.203	105.477	12.403	1.5.523	1.5.523	-70.924	102.593	96.446
5/6/1	-12.5.903	22.21	128.181	16.3.57	62.833	-15.116	5.724	71.971	39.321	-89.028	10.0	-83.103
5/7/1	107.036	-8.3.173	-16.3.36	-11.3.105	43.263	97.480	-13.117	-23.378	-56.378	-87.169	-94.449	-83.318
6/1/1	-73.479	-94.871	-10.107	-3.5.263	157.028	3.7.600	-26.708	-1.7.712	-1.7.715	159.424	-100	-100
6/2/1	6.436	73.208	-60.498	33.106	-90.678	-50.349	33.371	-13.193	-91.303	51.214	617.448	3.00
6/3/1	-1.9.370	-51.100	-2.0	-9.073	-5.341	-13.771	-14.363	-1.2.402	-10.179	280.473	-16.976	139.837
6/4/1	24.5.131	111.798	-1.5.459	71.062	-17.915	-14.658	-36.622	-10.423	18.533	144.316	-100	5.405
6/5/1	-7.5.809	207.672	-12.128	-4.0.504	-17.317	-19.968	-26.104	-2.2.471	-30.171	-34.260	-94.444	-97.181
6/6/1	36.5.061	59.4.215	-22.219	-9.1.214	-26.478	26.295	2.3.320	24.252	-56.670	51.307	-100	-100
6/7/1	246.685	199.811	-61.918	-10.0	-4.6.800	9.9.232	5.223	-19.743	30.619	27.732	9.259	-100
7/1/1	-30.120	33.461	-64.595	122.105	69.287	-10.271	-17.232	-20.510	-35.595	-52.971	-19.629	-94.584
7/2/1	-4.5.735	-12.182	-33.050	-63.684	24.214	-16.622	-16.820	-18.429	-51.648	13.8.40	-100	51.361
7/3/1	-45.935	-19.632	43.205	22.873	60.873	-11.887	-9.78	-10.169	14.521	76.670	192.571	-10.319
7/4/1	-100	74.019	-40.960	132.631	-24.721	9.0.612	12.724	-12.244	13.203	105.711	162.518	-100
7/5/1	125.303	-19.871	-13.674	45.205	-37.833	-27.794	14.112	-14.911	52.308	-100	135.135	-100
7/6/1	-9.5.38	54.474	250	51.368	-16.083	41.761	-20.540	-24.711	-10.132	-26.234	-100	-100
7/7/1	-8.1.351	-19.144	-17.901	-16.913	21.626	76.193	8.304	31.844	-6.304	15.103	-100	-94.304
7/8/1	-24.6.08	-18.217	19.2.12	-10.5.2	-21.78	-13.686	8.7.933	-13.810	-6.1.304	-100	8	101
8/1/1	-76.502	-65.813	-100	-28.461	31.627	-51.011	-8.584	-25.515	-35.595	-52.971	-19.629	-94.584
8/2/1	-16.506	-65.813	-100	-8.412	31.627	-51.011	-16.375	-25.515	-35.595	-20.805	-10.319	-97.29
8/3/1	-9.2.71	-62.711	-63.079	21.316	-24.708	-26.204	-10.058	2.6.474	13.692	-14.804	-100	-100
8/4/1	-6.0.241	61.528	-17.723	-10.052	32.523	1.9.44	-35.016	-2.8.011	31.601	58.253	-100	140.274
8/5/1	-3.0.41	21.165	-71.273	-30.473	-10.585	-21.241	-30.389	-30.433	-31.500	-31.500	-100	-9.611
8/6/1	-23.05	93.411	-64.516	-39.210	2.216	3.292	20.704	16.412	-61.725	4.516	3.407	62.162
9/1/1	-100	-91.435	-100	-31.511	142.413	61.529	-26.205	15.465	-21.769	81.194	-28.925	-100
9/2/1	-77.710	63.204	MH.27	-36.372	-33.814	18.130	-36.139	-14.388	-31.819	-101.051	32.0.370	-64.624
9/3/1	-99.735	55.535	-4.0	59.441	-51.473	-51.038	-26.183	-15.931	12.763	-21.311	-62.461	-100
9/4/1	-27.108	51.195	56.363	19.468	-25.519	-75.183	26.829	C.6011	-11.814	-76.546	-75.425	18.718
9/5/1	-71.084	-22.212	-100	291.578	-48.416	165.160	-22.300	18.499	-19.004	-24.640	-100	-18.613
9/6/1	-28.172	18.621	-6.0	71.052	-5.420	-6.643	3.5.303	101.310	5.7.123	32.917	62.061	-5.2051
9/7/1	-15.060	55.558	117.272	-30	-53.560	-66.001	5.8.840	-15.191	-56.304	32.917	-100	-100

-22-108	-64-957	18-181	13-8-411	2-1-712	-32-228	-2-11-2	-40-200	7-7-1	6-1-1	-35-152	-2-1-12
-11-946	334-316	-8-181	-12-101	3-2-10	-52-623	-14-583	-2-3011	6-1-50	6-1-1	-35-152	-1-1-0
43-313	211-965	180-107	-12-105	-1-570	-30-213	-18-601	-38-206	-28-716	-17-156	601-561	-1-1-0
-22-129	-148-779	-40-101	-61-578	-21-110	51-521	-1-127	-5-587	16-150	16-587	208-55	-1-1-0
53-134	329-925	-241-545	98-121	37-853	2-1-201	53-544	-35-156	25-747	91-402	106-50	-1-1-0
-77-247	-41-860	-28-181	126-318	22-7685	35-528	10-980	-28-531	34-601	-38-633	-85-182	10-310
<i>Sum</i>											
-100	-100	-10-636	10-157	81-652	26-223	-17-874	-33-148	53-495	-76-215	-9-251	-23-785
-51-204	-10-256	-24-841	-29-181	97-614	-10-630	22-275	-41-477	45-494	-13-201	-77-712	-26-56
-31-206	-10-156	-24-506	78-181	17-674	-3-645	-32-842	-13-249	-8-553	-13-203	-31-481	-21-61
-60-62	-1-401	127-273	-13-681	-25-574	89-870	-21-212	-3-800	-11-591	-24-402	-100	-45-715
30-120	20-152	71-723	87-218	84-271	7-165	9-566	(3-591	-35-149	-1-322	-100	-100
-24-621	-100	110	-33-681	-13-681	71-238	-18-710	40-174	23-350	17-635	212-22	-100
-99-311	93-816	-80	-35-246	-13-859	15-309	-13-479	23-350	18-738	17-215	208-148	-87-103
198-178	224-173	-171-212	81-318	155-466	-24-176	-13-492	-50-181	-25-231	16-508	-100	868-482
<i>Sum</i>											
174-19	19-512	111-965	-99-099	-50	-48-164	52-570	-21-316	24-133	-21-506	-11-812	-100
124-61	-82-916	-51-818	-15-101	-18-947	19-202	-11-575	-25-182	57-730	18-511	-100	102-702
-51-65	-33-478	-20-049	-55-261	-16-831	-50-574	8-223	-8-490	-10-171	-7-352	-100	-100
-70-014	-63-346	17-271	46-526	6-712	-18-654	-5-401	(0-88	-50-240	-11-235	807-65	-100
-28-112	-87-711	-99-010	-68-421	-23-422	3-1145	-38-322	-31-422	-38-305	-57-95	-100	-100
<i>Sum</i>											
-28-915	628-20	514-14	77-288	0-3656	58-762	-7-805	29-644	-31-601	80-675	-100	62-162
-19-180	-32-123	11-154	8-117	88-119	-11-33	31-316	-25-615	-15-554	89-684	-100	108-314
-46-211	0-250	25-454	-17-274	21-628	23-223	-9-810	21-704	16-828	16-187	92-112	-100
-31-951	-32-478	-20-010	-55-24	-26-017	-55-574	-8-227	-8-480	-10-171	-7-352	-100	-192
-31-951	-41-88	-16-901	-71-62	-19-725	-1-629	-3-693	-23-170	11-166	-78-705	108-55	12-77
-10-0	276-04	86-360	-97-36	77-305	19-513	-20-361	22-116	14-911	0-451	-100	132-461
10-248	149-71	4-32-127	-78-021	70-405	-3-580	30-669	-24-933	-24-521	-26-23	-100	-100
-13-008	162-136	-62-727	11-052	-73-001	80-734	-18-910	-18-911	0-2-966	52-230	-100	-100
<i>Sum</i>											
-18-192	-78-633	-60	71-02	-16-850	-6-643	35-989	161-319	51-123	51-246	62-912	-51-563
0-402	68-316	16-563	-60-326	53-191	20-336	-4-401	-15-754	61-769	-72-704	-100	-100
104-813	-61-539	11-272	41-253	-30-338	21-845	12-140	-7-681	14-902	-45-636	-100	-93-591
-96-996	194-521	-17-212	-19-679	-50-601	-17-301	26-651	-29-171	19-515	11-510	179-524	-78-278
-10-0	21-688	-36-66	61-578	48-886	-23-277	-23-525	58-138	-66-700	-8-169	-100	-79-291
-76-506	14-181	23-645	50	-15-155	32-651	-23-410	-2-421	-5-929	152-749	-16-224	-100
3-0-722	-13-218	-10-0	-22-185	21-911	36-395	-34-15	5-313	-38-608	-100	89-187	-100
<i>Sum</i>											
-29-156	-63-247	104-545	13-263	16-420	3-119	-30-581	27-174	31-014	-35-29	389-125	-100
12-650	32-081	-63-181	41-0-326	25-521	66-684	-6-731	42-368	-24-681	13-5-8	-85-88	-100
-10-0	452-136	-96-363	-40-52	70-546	-12-397	-10-45	66-687	-24-743	28-594	-100	-87-107
-57-621	935-80	80	-19-74	42-230	-18-514	-12-749	31-912	-11-825	-30-127	108-55	-71-208
-79-581	123-93	-18-151	-32-631	19-212	-29-65	19-679	22-230	181-258	-33-321	-100	-100
-75-830	-91-49	214-34	-32-007	26-873	63-821	-30-005	9-204	-23-672	91-079	-100	-100
<i>Sum</i>											
-92-468	107-401	-51-516	113-15	18-256	69-266	-19-102	-32-622	41-128	-83-741	-100	-100
-37-152	264-95	-28-636	92-125	-30-742	-78-491	-56-099	-36-431	16-233	-33-693	21-6-65	-100
50-664	109-490	258-368	108-107	-71-34	6-254	-41-740	-10-781	-10-535	-19-548	-100	-67-561
-10-0	50-700	-170	21-736	-69-469	45-189	26-237	14-754	26-115	91-798	-41-181	-100
31-029	-94-879	-31-918	61-473	17-001	-16-831	11-700	38-641	-31-036	-12-086	85-105	-100
<i>Sum</i>											
-98-798	169-290	180	-15-787	27-167	-11-587	32-220	52-944	40-477	-18-705	-96-236	-71-273
-10-0-58	50-309	-74-416	16-574	-13-704	26-118	-36-004	-20-735	-10-80	-100	-100	-100
-110-84	-22-222	104-547	-10-326	27-608	15-135	-35-184	-24-679	38-584	103-822	28-322	-100
-34-819	-34-723	-61-573	-40-230	-50-235	-20-231	6-2140	-33-178	-24-814	-53-624	29-621	-100
115-960	-7-401	-61-181	-68-490	-72-745	-16-657	21-172	-11-781	5-752	-24-746	59-397	-19-594
-89-559	84-162	-19-679	-74-210	83-721	53-375	-16-570	-34-678	26-132	18-700	-100	-86-486
-33-181	-11-765	78-63	-11-051	-2-173	-24-610	7-355	-1-759	-22-815	-86-703	-85-185	-5-405
51-407	-60-170	-69-598	20-736	32-557	-24-745	-15-621	-1-510	-11-150	-79-424	385-183	-100
<i>Sum</i>											
103-612	213-781	-11-614	-62-105	-13-711	-28-103	-14-614	26-734	-11-614	-10-824	-11-814	-100
-63-048	-82-905	92-723	-23-604	21-981	-28-250	52-605	-17-803	-12-714	192-58	88-518	321-613
1-2-54	-26-109	-72-494	-22-109	-23-120	21-766	2-7215	-5-716	-6-755	-23-165	12-5-62	-91-891
51-104	-28-871	-11-212	-30-216	-24-321	-2-587	66-236	51-234	-21-769	-100	-100	-100
110-248	-16-171	157-36	30-712	50-777	70-080	45-316	2-123	-61-438	-100	-100	-100
-10-0	56-42	-55-431	-69-43	21-667	12-198	-54-314	11-619	-32-311	89-361	337-03	-100
<i>Sum</i>											
34-678	-93-162	-80	83-697	51-726	54-977	-16-340	-16-421	-16-421	-11-903	-49-646	-100
-83-751	-8-418	-100	-21-505	52-540	-17-331	-36-421	-2-707	81-194	-59-357	-38-146	-100
-62-048	-52-124	-68-101	-80-210	-19-199	-38-793	15-238	11-438	20-690	18-633	396-21	-100
-10-0	109-401	175-115	-39-493	-11-582	-31-319	11-178	-23-536	56-681	-86-118	-100	-100
-95-183	51-318	-19-173	-18-32	12-236	-2-123	58-750	-17-800	-17-366	-100	-100	-100
<i>Sum</i>											
71-084	-31-623	-73-636	-2-20	50-239	38-619	-5-104	33-604	-6-283	-48-720	-65-576	-100
-62-048	-19-632	61-918	-48-011	150-21	-10-461	15-392	15-392	-16-905	-16-261	-100	-49-546
-10-0	-5-128	80-232	11-218	-3-318	-6-318	84-113	-3-318	15-243	15-381	-62-741	46-518
-60-071	7-612	-20-010	-12-191	-12-421	-23-915	61-597	-2-405	13-593	-35-81	118-20	-100
-91-317	53-84	-8-0	-35-245	-73-257	15-309	-17-912	23-350	18-738	110-215	508-14	-89-182