

Rayalaseema Indian Weather Time Scales

Gangadhara Rao Irlapati

H.No.5-30-4/1, Saibaba Nagar, Jeedimetla, Hyderabad – 500 055, Telangana State, India
Email ID: scientistgangadhar@gmail.com

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	-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			
	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	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	-9.9	-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	7398	-3.95	+81.7	-13.5	-28	-12	-23			
	1922	-12.3	-50.4	-90.2	-27.6	-51.6	-31	-36.8	-30.3	-42.0	+22.6	-1.2	-40.3	-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	70.3	-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	-8.87	-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	+16.5	-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	764.9	-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	-35.5	-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	-87.7	+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	-501	-69.6	+5.43	-44.2	+64.9	-58.4	-23.4	57.9	-37.1	-31.5	-35.1			
	1985	+19.3	-21.8	-4.6	-15.4	-85.6	-6.8	-44.5	-18.3	-24.8	+39.2	-62.0	-44.1	-23	-20	-4			
	1963	-24.0	-7.7	-36.3	-43.0	+4.5	-22.2	-25.0	+60.6	-7.2	-27.1	-35.4	-4.3	+11	+2	-3			
	1946	+270	-31.6	-22.0	+5.69	-39.7	-9.8	-18.3	-16.6	-30.5	-47.4	+6.4	-16.1	-8	-20	-15			
	1929	-31.6	-20.2	+46.2	-56.6	-44.5	-65.4	-39.9	-69.5	-22.5	+79.3	+58.1	-4.1	-18	-12	-3			
	1907	222	-19.7	+48.8	-42.6	-19.7	-35.1	?	-74.6	-53.6	-18.4	-1.2	-64.4	-8	-28	-19			
	1890	+1.86	+84.1	+2.3	-7.57	-11.6	-39.7	-25.0	+9.21	-50.7	+78.5	+38.5	-30.7	+10	+22	-15			
	1873	-13.5	-47.7	-48.2	-64.5	-53.2	-39.4	-31.5	-24.7	-16.7	+39.8	+25.6	-39.9	-27	-19	-20			

	JUNE	JUNE			JULY			AUGUST			SEPTEMBER			OCTOBER		REMARKS	
		T	R	C	T	R	C	T	R	C	T	R	C	T	R	C	
8	2025	+11.3	-14.8	-21.6	-7.57	+22.3	-0.9	?7.85	-6.2	-28.8	-1.86	-20.1	-13.2	-8.2	8	+3.2	
	2003	+11.3	-14.8	-21.6	-21.4	-28.4	+52.9	+47.3	-54.8	+31.1	-34.3	+20.3	-43.6	-1	-5	-3	
	1986	29.92	+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	27.99	+11.0	-5.0	-26.4	+53.6	-57.1	-76.9	-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	20.8	+28.8	+35	-3	+19	
	1930	?40.5	+42.7	+39.8	-46.6	-61.0	-44.4	-41.8	-62.7	-46.7	+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	-29.5	-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	283.3	+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	2105.2	+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	+76.0	+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	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	-69.9	+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	249.7	-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	-16.8	+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	2017	-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	+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	278.9	-52.8	239.9	+24	-10	+19	
	1937	-50.8	+15.9	-89.6	+10.9	-9.48	-35.2	-43.5	+63.1	-31.4	+11.3	+86.7	+444.8	-18	-11	-28	
	1915	+99.4	-39.0	+18.1	-15.2	+58.2	-24.4	-8.49	+49.2	+24.4	-12.6	+58.8	-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	?33.3	+25	?15.8	-34.1	-36.1	+25.8	+13.9	?27.7	+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	283.3	+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		
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	+57.8	-70.2	-33.4	-48.3	2269	+37.2	+53.6	+1.2	-32	+8	-5		
1919	+26.6	+6.66	-20.1	-41.1	+57.3	-19.7	-55.7	-80.0	-49.2	+457	+10.7	-26	-32	+2	-15		
1902	-36.6	-27.6	-47.8	-48.6	-13.6	-35.5	-12.1	-55.7	-99.4	+26.3	-13.2	+15.1	-19	-17	+4		
1885	-20.7	+19.4	-4.2	-14.1	+11.8	-31.5	-47.8	-41.8	-67.3	+38.5	-25.4	+5.5	-18	-18	-10		
20	2015																
1998	?1.32	-529	-34.5	-21.5	-58.6	29.8	+15.4	+20.2	+5.1	+49.0	+70.6	+56	-50.9	+37	+25.3		
1981	+36.3	-0.6	-26.9	+1.12	-5.9	+10.0	+7.12	-7.6	-28.9	+105.1	+61.2	+24.6	+26	+10	+25.3		
1959	-4.76	+76.3	+18.3	-11.5	+9.27	+20.5	-34.2	-165	-30.9	-99.9	+136	-28.8	+40	+10	+12		
1942	?4.76	+42.7	-12.1	-7.78	-66.7	-47.9	+22.4	-13.1	-18.4	-44.5	-24.8	+34.2	-4	-20	-20		
1925	6.28	-47.2	+1.0	+2.38	-9.2	-10	-4.93	+19.1	+2.4	-0.54	-18.4	+386	-2	-14	+4		
1903	-25.7	-680	+22.6	+54.0	-46.8	+10.2	+34.8	+30.3	+8.0	+5304	+72	+7.0	+45	+39	+37		
1886	+60.9	+3.68	+25.1	+26.6	+69.4	-4.2	+40.6	+40.1	+55.3	-39.9	+9.04	-99.3	+24	+21	+38		
21	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	?154	+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		

					30 KATAKALASEMIA								
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	
2012													
1984	97.14286	484.375	752.3007	-16.11111	89.01304	47.42093	51.26702	81.39274	-24.25952	37.75763	-48.11463	88.53143	
1986	97.14286	-63.75	-100	188.3333	68.52886	45.75107	97.67981	77.95478	30.28203	90.10717	48.25548	17.14386	
1988	65.71429	1212.5	95.38462	82.77708	-94.03682	49.75007	7.461731	5.191572	-8.912482	23.24815	-66.53584	62.85714	
1990	71.42857	-100	-100	6.188667	-51.95531	-16.43255	58.26899	75.12847	45.24163	-99.29936	-65.11252	44.48988	
1992	-100	-500	-100	-8.111111	84.9162	3.161398	-12.31954	11.20624	45.63934	1.2961125	58.49117	39.18367	
1993													
1998	85.71429	200	26.26923	-85	178.1054	71.04825	-3.647589	56.32066	27.49245	86.15034	92.45822	21.63265	
2013													
1991	48.57541	-63.75	-100	-19.44444	-37.131629	232.4759	10.65483	-1.905447	-16.61631	33.63561	177.9261	-97.55302	
1994	-100	-100	-100	-85	107.625	13.14476	6.655967	2.194245	91.91843	18.54505	-60.48205	-100	
1997	-100	-100	212.3597	6.666667	-28.30564	754.0768	-7.325194	-1.803833	-28.81269	26.62819	-25.33912	-100	
1998	51.42857	-100	63.07697	-12.22222	-43.98851	71.8883	10.98779	179.7533	-18.3142	14.01484	-82.65446	85.71429	
1999	65.71429	-625	123.0629	-85	38.56299	35.173454	-31.49612	27.84645	11.08018	97.52679	106.7871	66.12245	
2000	85.71429	1450.625	-100	72.22222	-11.28992	-12.14552	7.991121	48.59666	-38.05118	-57.54328	58.82353	111.8967	
1989	208.57143	84.375	7.650308	-93.13333	155.131	-47.3629	57.71365	4.830471	51.38149	-11.36601	61.33095	-100	
2014													
1997	100	300	26.26923	97.22222	-30.66448	29.11814	51.27836	30.62693	120.5215	-50.53588	80.59548	25.59184	
1998	-77.14286	-100	150.2693	-87.77778	-50.55803	5.4900849	57.91563	-4.308825	29.24471	188.7593	7.843137	-68.93878	
1999	-65.71429	0	73.84615	28.88889	51.58287	-1.660568	11.32075	140.2874	-15.48388	53.17398	-18.24038	48.57143	
2001	68.57541	-37.5	-100	-62.57555	-88.41713	26.77205	55.04994	-19.45453	45.01511	-40.80191	-45.3993	135.5102	
2003	77.14286	-100	84.61538	45.77751	0.558620	27.74928	67.70555	-36.42006	95.77039	-42.29188	86.42515	0.816327	
2004	14.28571	-100	-100	30.55556	-54.00372	12.31381	6.781254	29.14363	22.00936	27.4526	43.43891	25.30612	
2005	-100	-100	0.710709	96.66667	-18.05331	43.09484	13.20389	31.86103	-29.62728	-1.660093	28.65762	215.91981	
2015													
1998	-100	6.25	-90.76023	133.3333	36.82151	-71.94340	53.16426	97.35785	61.58333	27.32014	73.15234	-31.56918	
1999	-71.42857	-300	237.8929	65	43.94706	18.96209	0.221976	6.376709	56.66466	13.60364	-46.50159	21.42857	
1999	-100	9.125	-100	55.55556	35.231691	111.3145	16.424139	-2.363823	7.126388	-44.2304	-79.06486	JD.20408	
2002	-100	-100	-34.44444	36.68539	21.04825	-64.70588	1.747124	29.10302	64.79829	-69.50283	-22		
2005	-500	-100	-18.46154	5	113.4078	16.77205	0.771906	30.11305	22.56073	8.408804	2.564103	220.4183	
2003	262.8571	-100	-100	93.22254	3.351958	27.95341	56.93385	52.77354	62.38671	9.727547	229.5626	195.7147	
1999	-100	-100	73.07693	-100	11.73189	24.49322	80.46615	64.73413	-14.1994	47.49315	31.33333	-67.3551	
2016													
1998	-100	62.5	15.38467	307.7738	76.90875	48.75208	49.29517	105.9815	25.93143	-76.50483	37.37553	-23.67387	
1999	100	-100	98.46156	-75.55556	-70.48417	100.4962	21.86793	48.81809	8.610373	-32.01566	170.73591	24.80796	
1999	-100	684.375	-100	96.66667	-50.27933	21.12145	-35.18411	42.95992	-24.44884	-45.17725	60.13163	-58.77501	
1998	-40	-100	98.46156	63.33333	-13.95648	-20.29965	17.20111	80.36761	61.91353	-4.727944	99.06602	-21.02841	
1996	-100	-100	43.23072	50	90.68501	17.30389	-2.011108	-37.68203	-72.80967	-94.72383	91.70437	-100	
2017													
1993	362.8571	81.25	-69.21207	-71.22222	91.62011	5.990013	102.3307	14.69811	-73.09625	27.61748	51.73464	96.65386	
1994	-100	451.125	-92.32769	25	-21.28771	10.48253	67.70255	1.247134	38.89728	-30.37758	51.24284	133.4656	
1995	57.14286	56.75	-76.41108	-58.33333	29.42292	100.4842	41.50943	11.49303	-32.69395	17.55977	34.53997	-97.55102	
1995	80	-100	415.38467	245.3156	-47.28572	4.835259	-53.1576	18.80881	11.53414	18.71293	38.73323	95.91837	
1997	1411.429	100	-100	58.11111	-18.18061	-40.599	-48.50166	18.15671	-73.56435	-25.96867	227.7526	67.85714	
1998	7.25714	81.25	20.76923	44.44444	-19.10515	29.95008	58.80242	1.387461	-60.95316	14.82934	-76.96329	95.5102	
1993	-100	-300	199.23038	53.88889	-75.21233	48.91287	18.53491	59.81501	-35.39366	55.69797	-22.32208	21.02841	
2018													
2001	-71.42857	-100	-53.84615	216.66667	58.473	-54.24293	-40.8545	-9.146963	75.20211	195.3804	39.36652	3.765106	
1999	-100	314.75	55.38462	-43.88889	130.1263	-12.64553	30.51498	50.66394	30.12595	-60.84089	177.5264	84.83796	
1992	-100	4.375	30.71573	50	105.5177	5.490345	-13.77919	24.35766	-1.359512	37.0981	-51.79494	236.3266	
1995	-100	-100	26.11111	-39.35282	-50.03319	128.1931	37.82117	-38.31772	43.53864	-18.53294	91.83673		
1993	188.5714	200.75	30.76923	-63.11111	-54.00372	6.133795	40.38946	-77.38507	25.63112	-45.01921	20.03118	-64.08163	
1996	1348.571	456.75	75.38962	-100	91.43383	88.16191	25.79117	33.40188	30.1934	-24.92339	-12.54503	288.1633	
1989	-100	-100	-40	30.16667	-53.07263	-11.14889	57.94118	50.87359	66.76737	43.47934	59.07924	20.0816	

2019	3642	Pek	May	Apr	Mar	Jan	Tidy	Aus	Sep	OcE	ANW	Dec	E
2002	78.57141	81.25	-100	70	46.1825	39.63007	46.81085	-34.73792	27.30456	21.34666	58.37104	-44.3838	
1985	194.3857	100	-69.29077	51.11111	-71.50838	-4.409105	54.41886	-4.419322	64.1998	34.2123	7.739819	-36.73469	
1963	-100	100	90.70923	100.6667	37.24386	10.48283	11.41124	88.18088	39.12387	28.277	100	35.5102	
1986	75.71429	134.375	-45.15385	67.37778	-16.32113	-18.13649	35.94654	-7.362883	0.453172	34.01484	191.8552	404.03816	
1989	100	200	-100	-42.37778	-52.38641	-4.492512	40.9545	-64.3371	49.24471	-26.29843	34.96246	-35.5102	
1907	65.71429	100	50.70923	145.5556	90.39123	3.998304	14.3194	-20.40082	-6.722264	27.52626	32.88088	-34.28571	
1890	-100	100	29.28077	128.8888	-79.32963	130.63079	5.882153	27.95478	30.74018	-6.595218	12.82051	-60	
1873	-100	181.25	-100	-42.37778	-18.05331	37.60389	50.16484	11.40803	18.18086	59.24939	81.90045	37.55102	
2000													
1992	-65.71429	-100	100	51.11111	35.89833	3.7153078	11.87518	-1.665867	20.201813	11.22343	69.688376	-31.18367	
1964	-100	100	-100	67.37778	-90.41188	-45.62469	121.31314	-3.006497	125.8308	-44.35284	20.51087	73.87755	
1936	-100	840.625	-24.61539	21.33333	-13.42083	4.818636	-20.51224	59.91728	6.485468	60.51113	55.95279	-43.67347	
1908	85.71429	118.375	47.53844	-86.31111	-20.48417	55.57934	38.97725	-20.94861	70.34063	31.02993	91.71267	85.71429	
1880	65.71429	75	-100	20.56566	6.145251	18.10316	47.03483	20.24666	-24.24471	15.25144	114.9321	-40.403816	
1871													
1939	97.14286	75	-100	-32.77778	38.51993	-11.14829	25.63818	26.41116	29.07823	-31.72549	-11.273	-69.71559	
1982	100	100	72.38069	9.44444	-55.86209	50.6822	7.105219	-80.53443	10.45699	-16.71537	48.20579	-67.34884	
1955	-100	-75	-100	53.88888	-70.20429	68.05124	-18.42397	51.07924	-12.31118	94.82637	-43.56449	121.2245	
1943	237.1428	284.75	-100	11.09667	228.8641	-45.92348	26.41509	5.858173	-4.003021	72.28432	4.299626	91.83673	
1924	971.4288	-100	138.46315	71.80883	-71.50838	58.56905	-29.10078	-19.71223	29.00302	-52.84449	-37.92888	91.43673	
1903	1962.857	-100	56.48154	45.55356	35.47486	35.61085	-41.8428	258.68445	18.9577	69.48832	46.68175	95.58304	
1887	5.714286	-100	138.46315	-71.31111	-14.89758	-10.91454	53.20945	-22.65861	2.491207	123.7526	127.1466		
1882													
2022													
2005	-85.57141	131.25	-31.51846	130.5556	14.33882	16.97173	-63.39673	34.8902	4.729607	161.5829	85.99648	77.34684	
1981	-100	-100	161.5185	-51.88889	1.862197	40.76539	17.58002	108.222	123.9715	36.31323	44.77323	-49.29559	
1960	-100	-100	-40	-40	50.37933	26.95607	21.07658	-86.63026	152.7996	57.7306	124.736	91.02041	
1949	-100	-100	-50	-50	13.5556	51.00421	81.53078	21.53163	51.60579	97.78097	18.71193	-38.91403	-300
1937	65.71429	-81.25	-50	-50	-24.69991	56.91489	50.49876	29.61819	36.79341	89.13269	53.92371	133.3621	97.33329
1910	-100	90.625	69.23833	34.66514	36.68579	6.821963	88.71579	40.95651	46.52569	19.20557	71.494	350	
1891	42.85714	-46.875	370.2892	-31.66667	33.88199	83.886023	111.2096	-21.96656	-14.04034	30.93289	114.3288	-350	
1871	108.57141	-100	212.3897	28.88889	57.16546	-51.5807	39.61364	-15.72456	19.56193	-28.41869	15.23379	-99.14163	
1873													
2023													
2006	-14.28571	-100	483.0265	23.33313	50.16177	10.02984	-64.59489	-18.29615	-7.303927	47.12569	6.1880112	69.79552	
1989	-100	100	523.0769	-51.33313	63.44507	-17.60199	289.1232	-76.15672	50.90633	-78.31833	-11.01056	53.87755	
1967	188.57141	100	348	-9.44444	27.00186	10.64893	56.17081	-58.89003	1.963766	-16.81381	79.18853	181.81223	
1955	-100	90.625	72.30163	-100	-2.334637	5.153803	-15.14658	8.733868	5.160473	-14.17577	48.17696	300	
1933	-100	-4.25	146.15138	0.525556	52.12775	-71.38103	-13.6515	111.3057	51.78399	7.584520	-34.53997	700	
1913	-100	-100	82	-91.66667	8.752328	23.96002	-21.75361	53.03146	26.35957	47.78648	-17.04379	58.50204	
1894	681.57141	215.625	-100	-31.66667	-38.73371	34.75752	29.7575	170.2457	21.92895	21.28958	-16.61894	-71.81373	
1871	-100	-100	400.0269	-90	40.40998	26.28952	63.15205	-19.82997	34.13897	41.81232	-31.03167	-72.3449	
1873													
2024													
1955	-100	92.30368	85.55556	-63.31471	132.8285	16.31571	130.3148	42.80477	120.3623	-54.46947	302.445		
1943	-100	75	230.7683	212.2223	33.51955	14.30948	35.61708	-32.29183	46.90895	11.54162	-17.49623	55.33204	
1912	488.57141	15.625	-52.30769	5.555556	-33.01676	7.8201	33.74029	317.4717	51.88822	-48.34509	-47.26938	17.14286	
1894	37.14286	-100	-100	-58.33313	-33.054	-44.75374	-23.51168	-31.23027	-34.81871	9.135746	19.66817	148.57141	
1873													
2025													
2001	-100	-100	277.1007	-58.28888	-100	128.0283	30.41065	5.866141	-24.62236	47.81533	-31.23461	90.35408	
1986	737.1429	593.625	-100	67.77778	-76.53631	26.45593	23.41082	-47.02031	11.51194	-40.8582	-35.51202	-77.14286	
1968	-100	100	-90.78593	-51.77778	-1.300533	33.77382	18.202	70.95185	-75.45317	42.31184	-2.568103	26.12245	
1947	488.57141	15.625	-52.10969	5.555556	-33.01676	7.8201	33.74029	117.4717	51.88822	-48.14509	-63.26938	17.14286	
1930	35.71429	200	70.24023	-85	128.3054	71.04825	-3.662997	56.32466	22.49095	86.15004	52.66852	21.63265	
1913	-100	-100	58.33313	31.78771	-59.96813	-13.6515	64.51265	8.987915	30.338	-58.68738	51.32041		
1891	-100	71.375	-76.31308	31.66162	61.63873	-34.4426	-42.9628	48.03866	55.93864	-25.88673	65.00754	29.79559	
1874	-100	-63.5	100	58.33313	183.5717	67.7213	60.48825	-50.92636	232.4018	160.8004	47.96348	55.91887	

2008	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
2009												
1933	-100	-100	-100	-61.11111	40.96834	65.72379	-64.81687	65.5708	41.68526	-3.54441	61.84012	69.38794
1970	-100	-100	-100	-79.44444	35.19953	13.64393	3.551689	107.7081	65.48338	-10.71773	68.32579	-100
1953	47.14286	-100	-100	72.77778	-55.48233	-1.497504	76.5838	39.67112	46.14804	120.9398	-83.44123	-100
1931	100	-100	-61.53846	-68.88889	-25.13966	55.40765	-7.436181	-73.07293	16.69189	-28.18944	11.3454	69.38794
1914	-85.71429	-100	-84.61538	-41.11111	-35.38175	3.494176	-18.089101	66.49338	51.88822	64.1385	9.954751	86.12245
1897	-47.85714	113.5	-38.46154	-53.88889	-22.90503	20.61564	3.551689	56.77903	115.71	-41.87964	80.24313	65.30612
1875	-94.28571	-100	58.46154	-34.44444	-1.489753	70.3827	28.30189	56.12106	15.63444	-31.58681	-90.1994	-11.87793
1863												
2010												
1953	-100	-100	142	13.88889	-14.33862	-35.60732	27.08107	68.0317	3.700906	72.71228	41.77973	165.3061
1971	-100	0	93.30368	187.7778	27.58465	-17.88386	-21.86459	12.71207	-45.77341	45.34313	65.63281	69.38794
1954	54.28571	100	158.4615	-82.22222	36.68529	-46.09151	125.9933	3.288798	55.43829	22.25889	-100	-4.122449
1913	-100	438.25	69.23077	449.44444	52.37775	0.665557	16.53712	56.83853	14.52351	64.1385	34.38614	58.77551
1895	920	-46.875	86.46154	-90.55556	-2.731296	26.95507	68.47947	-40.49332	49.18617	-51.19318	185.9729	-50.20408
1886	100	81.25	12.30169	128.88889	56.79702	-24.79201	-25.61818	-32.27133	98.93948	-58.20208	128.95913	15.32104
1881	-100	100	134.6154	61.11111	6.89013	38.76872	77.69563	105.1381	5.740181	95.38335	17.79389	86.13345
2028												
2003	-100	621.875	-100	-12.22222	24.02795	110.1498	1.775805	187.8053	-29.38666	4.286297	-47.9638	39.61224
1932	-65.71429	-100	-100	-24.44444	44.87896	67.22113	-45.4828	87.73081	32.02417	58.36798	-36.24454	127.555
1944	-100	0	890.7693	-69.44444	-71.88082	158.0699	55.16293	36.8962	-7.473341	23.08326	32.88084	-45.71429
1916	-100	100	-82.22222	-47.61225	-23.96007	168.3648	38.79327	45.46828	97.44435	45.87481	86.41959	
1888	-100	100	99.44444	-3.165736	47.25458	50.16648	-11.3411	67.38671	-8.821105	75.73303	-64.28162	
1887	-100	96.875	58.46154	4.333333	7.635009	399.1481	-20.8657	161.9313	45.09168	43.36756	-50.18035	49.38878
1990	-68.57143	42.5	135.1846	-71.11111	82.68156	-15.30382	-41.73141	14.49126	24.84884	12.61336	56.71159	88.97959
1973	-100	100	-45.55556	-57.72812	34.73621	-25.30352	25.7518	9.592345	62.89039	59.72851	53.87755	
1953	-100	515.3846	112.22222	88.81937	0.665557	5.771603	-53.80678	-37.38671	-41.19858	45.30897	-100	
1934	371.4286	-100	-100	70.55556	-58.84544	50.58796	35.49511	-67.58993	64.50151	34.93918	30.16291	51.02041
1917	42.85714	1640.625	-84.61538	-75	25.5113	61.22795	34.85693	28.31469	15.25468	31.71849	10.7089	-60.81633
1895	-100	-65.625	-38.46154	199.44444	-9.310987	31.46826	35.96004	-15.21087	33.38699	26.93327	-84.01207	111.8367
1876	-100	-36.92388	5.555556	-69.64618	11.48087	139.7336	161.8705	90.7855	57.34955	-8.502262	79.55184	
2011												
1934	47.85714	362.5	-100	-7.222222	-48.73091	-28.1198	3.718696	5.344266	-73.03625	28.56954	28.58522	-17.55107
1922	-100	41.25	73.84615	52.77778	117.8771	66.55374	67.14761	43.47379	-64.7281	22.50618	108.2956	-17.55107
1955	57.14286	-100	23.06692	-52.22222	115.6475	-38.10316	24.86127	128.1603	4.456195	9.727947	-81.17647	-34.69188
1938	-100	21.875	-32.30769	-86.88667	8.379888	59.733178	25.95572	186.8879	71.52568	-87.96173	98.34087	51.81673
1921	831.4286	-100	-100	80	89.9537	14.80865	87.02443	36.58287	-27.56798	77.49382	-11.273	91.07041
1899	-100	-100	-41.86615	223.33333	23.22347	-82.52912	-8.68696	-27.0298	35.42236	-35.77906	-90.19608	86.11668
1887	151.4286	-100	-100	40.55266	9.886646	-59.73128	-62.93008	12.31795	45.46828	-10.96455	218.7029	-73.46039
2004	54.28571	-41.75	1538462	178.11111	164.0596	-15.97138	32.63041	75.53953	44.4814	-3.67737	-38.15988	-100
1926	-77.14286	-100	-100	-3.777778	-31.0987	16.43255	-18.92891	11.6594	-57.02417	23.69547	43.0314	-41.79969
1948	0	-100	50.76693	34.44444	-38.73371	-38.10316	-31.52053	1.733299	23.81907	-43.29926	124.736	-15.79932
1920	2031.429	-100	-100	-59.44444	-51.21043	-27.62063	-30.03133	-25.89098	17.30687	-20.52763	-19.30618	-100
1897	-100	-53.125	-100	-53.18889	-58.84544	217.97	12.20866	323.299	9.538616	60.39357	-90.19608	-53.24469
2008	68.57143	2636.25	-38.46154	175.5356	-27.18808	57.7371	9.100999	40.80164	2.114884	1.01723	-57.13424	-100
1980	-100	-100	-80	-38.88889	-35.75419	1.697504	-21.86238	17.26619	-47.8852	-69.08491	22.79536	-52.65306
1952	-100	-95.875	-100	-90.55556	287.22057	23.96007	-41.73141	57.71733	-65.70497	-22.91898	-100	244.293
1924	22.85714	-100	96.31208	23.33333	-17.31844	-50.34875	-7.769145	28.16053	71.29909	-41.66929	65.91252	-41.59184
1894	68.57143	215.625	-100	-31.66667	-18.73371	34.37537	32.7525	120.3467	-21.93885	21.26938	-30.6188	21.83571