

## Basics Of Global Monsoon Time Scales Tropical Savanna Climate Region & Tropical Savanna Climate Time Scale

Gangadhara Rao Irlapati

H.No.5-30-4/1, Saibabanagar, Jeedimetla, Hyderabad - 500 055, Telangana, India.

Email: [g.r.irlapati@gmail.com](mailto:g.r.irlapati@gmail.com)

**Abstract:** Tropical Savanna Climate or Tropical Wet And Dry Climate is a type of climate that corresponds to the Köppen climate classification categories "Aw" and "As". Tropical savanna climates have monthly mean temperatures above 18 °C (64 °F) in every month of the year and typically a pronounced dry season, with the driest month having precipitation less than 60 mm and also less than 100 – [total annual precipitation {mm}/25] of precipitation.<sup>[1]200-1</sup> This latter fact is in direct contrast to a tropical monsoon climate, whose driest month sees less than 60 mm of precipitation but has more than 100 – [total annual precipitation {mm}/25] of precipitation. In essence, a tropical savanna climate tends to either see less rainfall than a tropical monsoon climate or have more pronounced dry Seasons. There are generally four types of tropical savanna climate. Many studies have been conducted on the climatic conditions of the zone and invented the Global Monsoon Time Scales and Tropical Savanna Climate Time Scale which can help to estimating the past, present and future eather conditions of the zone. Researchers in the zone have to make Global Monsoon Time Scales and Tropical Savanna Climate Time Scale. [Gangadhara Rao Irlapati. **Basics Of Global Monsoon Time Scales Tropical Savanna Climate Region & Tropical Savanna Climate Time Scale.** *Rep Opinion* 2017;9(11s):98-100]. ISSN 1553-9873 (print); ISSN 2375-7205 (online). <http://www.sciencepub.net/report>. 33. doi:[10.7537/marsroj0911s17.33](https://doi.org/10.7537/marsroj0911s17.33).

**Key Words:** Tropical Monsoon Climate Time Scale, Indian Monsoon Time Scale, Global Monsoon Time Scale.

### Introduction:

I have conducted many studies and researches on the world monsoon systems and invented the basics of the Global Monsoon Time Scales. Particularly I have conducted many studies on the climate of Tropical Savanna Climate Zone. Every climate zone has a separate monsoon winds. Monsoon means a seasonal reversing wind accompanied by its corresponding weather changes and natural calamities in precipitation. We cannot be said that a monsoon especially to be relevant to a particular country or zone or region. In every country or zone or region, every year, in a certain order seasonal winds are repeating. Each and every country or zone or region has its own monsoon winds and weather conditions. Keeping in view of all above geographical facts and circumstances, after studying the weather conditions and natural disasters in the Tropical Savanna Climate Zone, I have proposed a time scale to measure the seasonal winds weather conditions of the zone that is the Tropical Savanna Climate Time Scale.

Here is a very important point to be grasped. That is, a scale set to study the weather conditions in the zone. The frequent weather events that occur in the zone will be taken to analysis the climate of the zone. In what sense that the low pressure systems are used as a data in the monsoon climate zone and how can low pressure systems affect the weather in monsoon climate zone, in the same manner there are other weather events that affect the weather in other different zones. So when creating a Climate Zone

Time Scale, take the weather events that affect the weather of that zone as data.

Further it is informed that Tropical Savanna Climate Time Scale does not mean that there is a single scale of the entire Tropical Savanna Climate Zone. There are a number of different areas in the zone. So called as Tropical Savanna Climate Time Scale because they are in similar zone or region but these are all only part of global monsoon time scales. The nomenclature have been named according to the zone.

This is very useful to study the weather changes and natural calamities of the Tropical Savanna Climate Zone in advance.

### Tropical Savanna Climate Time Scale

The Tropical Savanna Climate Time Scale– a Chronological sequence of events arranged in between time and weather with the help of a scale for studying the past's, present and future movements of climate in the Tropical Savanna Climatic Zone and its relationship with rainfall and other weather conditions and natural calamities of the zone.

### Collection Of Data:

The major or minor weather events of the Tropical Savanna Climatic Zone which influence the weather of the zone just like storms, winds, rainy winds, dust storms, monsoon pulses low pressure systems etc over the Tropical Savanna Climatic Zone have been entering on the scale in the form of symbols/criteria pertaining to the date and month of the each and every year.

**Construction:**

Prepare the Tropical Savanna Climate Time Scale having 365 horizontal days from March 21<sup>st</sup> to next year March 20<sup>th</sup> of a required period comprising of a large time and weather have been taken and framed into a square graphic scale.

**Maintenance:**

The main weather events/criteria if any of the Tropical Savanna Climatic Zone have been entering on the scale as per date and month of the each and every year. If we have been managing the scale of in this manner continuously, we can study the past, present and future movements of monsoon of the zone.

**Uses:**

By development of the Tropical Savanna Climate Time Scale and maintain, the can be study and predict the weather changes and its related impending weather conditions and natural calamities just like rains, floods, landslides, avalanches, blizzard and droughts, extreme winter conditions, heavy rainfall, mudflows, extreme weather, cyclones, cloud burst, sand storms, hails, and winds etc in advance of the Tropical Savanna Climatic Zone.

**Basics Of Global Monsoon Time Scales:**

The Figures and Tables are shown in the end of this issue.

**Uses:**

Tropical Savanna Climate Time Scale used to forecast the weather changes and natural hazards of a Tropical Savanna Climatic Zone in advance. All other weather related natural hazards such as avalanches, cyclones, damaging winds, droughts and water shortage, floods, thunderstorms, tornados, tropical cyclones, typhoons etc in the zone can be predicted.

**Conclusions:**

We can make many more modifications thus bringing many more developments in the Tropical Savanna Climate Time Scale. We can also make many more changes and development in the monsoon time scales and make separate monsoon time scales in name of each and every region of the world in accordance with the weather circumstances of the region.

**History:**

Many researches are being conducted by him on the global monsoon systems from 1980 to till date with an ideal to invent the mysteries of the world global monsoon system and formulating the basics of the Global Monsoons, Regional Monsoons, Sub-Regional Monsoons and Country-wise local Monsoons, Northern, Southern, Summer and Winter wise Monsoons to predict the weather changes and natural calamities in advance and to take mitigation measures. In 1991, he submitted a research report on the world global monsoon systems along with a special report on Indian Monsoon Time Scale to Sri

G.M.C. Balayogi, Member of Parliament (Lok Sabha). Sri G.M.C. Balayogi recommended the research report to the India Meteorological Department for implementation in the services of the people. In 1994, the Cabinet Secretariat of India recommended the Global Monsoon Time Scales to the Ministry of Science & Technology, Govt of India for implementation. In 1996, many consultations were made with the Parliament House, President of India and other VVIPs. In 2005, consultations were made with the India Meteorological Department about the Global Monsoon Time Scales for further research and development in the services of the people. In 2009, the Secretary, Minister of Science and Technology was also recommended the Global Monsoon Time Scale to the Indian Institute of Tropical Meteorology for research and development. We can make separate monsoon time scales per each and every individual country. Country monsoon are not separate monsoons just like North American Monsoon etc, its means a scale for study the local winds of a country.

**References**

1. En. Wikipedia. Org .
2. iasmania.com.
3. Mooley DA, Shukla J (1987); Characteristics of the west ward-moving summer monsoon low pressure systems over the Indian region and their relationship with the monsoon rainfall. Centre for ocean-land atmospheric interactions, university of Maryland, College Park, MD.
4. Das P.K. and B.L. Bose, 1958, Numerical study of movement of monsoon depression, Ind. journal of meteor geophysics.
5. Jadhav, S.K. and A.A.Munot, 2004; statistical study of the low pressure systems during summer monsoon season over the Indian region, mausam, 55,15-30.
6. Clustering of low pressure system during the Indian summer monsoon by intra seasonal oscillations, bn.goswami, rs.ajaya mohan, prince kxavier, and d.sengupta, centre for atmospheric and oceanic studies, Indian institute of science, bangalore, india.
7. Composite structure of monsoon low pressure system and its relation to Indian rainfall, v.krishna murthy and rs.ajaya mohan, 2010, j.climate, 23, 4285-4305.
8. Irlapati GR. Results of Research on Physics and some Other Related Topics. *Researcher* 2016;8(1s):1-565. ISSN 1553-9865 (print); ISSN 2163-8950 (online). <http://www.sciencepub.net/researcher/research0801s16>, 2016.
9. Irlapati GR. Monsoon Time Scale (Basics of the Monsoon Time Scale). *Academ Arena*

- 2016;8(5s): 1-488. ISSN 1553-992X (print); ISSN 2158-771X (online).  
<http://www.sciencepub.net/academia/aa0805s16>, 2016.
10. Irlapati GR. Studies On The Climate And Natural Disasters (1). *Academ Arena* 2017;9(1s): 1-425. ISSN 1553-992X (print); ISSN 2158-771X (online).  
<http://www.sciencepub.net/academia/aaj0901s17>, 2017.
  11. Irlapati GR. Studies On The Climate And Natural Disasters (2). *Academ Arena* 2017;9(2s): 1-220. ISSN 1553-992X (print); ISSN 2158-771X (online).  
<http://www.sciencepub.net/academia/aaj0902s17>, 2017.
  12. Irlapati GR. Studies On The Climate And Natural Disasters (3). *Academ Arena* 2017;9(3s): 1-220. ISSN 1553-992X (print); ISSN 2158-771X (online).  
<http://www.sciencepub.net/academia/aaj0903s17>, 2017.
  13. Irlapati GR. Studies On The Climate And Natural Disasters (4). *Academ Arena* 2017;9(4s): 1-220. ISSN 1553-992X (print); ISSN 2158-771X (online).  
<http://www.sciencepub.net/academia/aaj0904s17>, 2017.
  14. Irlapati GR. Studies On The Climate And Natural Disasters (5). *Academ Arena* 2017;9(5s): 1-220. ISSN 1553-992X (print); ISSN 2158-771X (online).  
<http://www.sciencepub.net/academia/aaj0905s17>, 2017.
  15. Irlapati GR. Studies On The Climate And Natural Disasters (6). *Academ Arena* 2017;9(6s): 1-220. ISSN 1553-992X (print); ISSN 2158-771X (online).  
<http://www.sciencepub.net/academia/aaj0906s17>, 2017.
  16. Irlapati GR. Studies On The Climate And Natural Disasters (7). *Academ Arena* 2017;9(7s): 1-220. ISSN 1553-992X (print); ISSN 2158-771X (online).  
<http://www.sciencepub.net/academia/aaj0907s17>, 2017.
  17. Irlapati GR. Studies On The Climate And Natural Disasters (8). *Academ Arena* 2017;9(8s): 1-258. ISSN 1553-992X (print); ISSN 2158-771X (online).  
<http://www.sciencepub.net/academia/aaj0908s17>, 2017.
  18. Irlapati GR. Studies On The Climate And Natural Disasters (9). *Academ Arena* 2017;9(9s): 1-220. ISSN 1553-992X (print); ISSN 2158-771X (online).  
<http://www.sciencepub.net/academia/aaj0909s17>, 2017.
  19. Irlapati GR. Studies On The Climate And Natural Disasters (10). *Academ Arena* 2017;9(10s): 1-386. ISSN 1553-992X (print); ISSN 2158-771X (online).  
<http://www.sciencepub.net/academia/aaj0910s17>, 2017.
  20. Irlapati GR. Studies On The Climate And Natural Disasters (11). *Academ Arena* 2017;9(11s): 1-362. ISSN 1553-992X (print); ISSN 2158-771X (online).  
<http://www.sciencepub.net/academia/aaj0911s17>, 2017.
  21. Irlapati GR. Studies On The Climate And Natural Disasters (12). *Academ Arena* 2017;9(12s): 1-395. ISSN 1553-992X (print); ISSN 2158-771X (online).  
<http://www.sciencepub.net/academia/aaj0912s17>, 2017.
  22. Irlapati GR. Studies On The Earth Science Related (1). *Rep Opinion* 2017;9(1s):1-83. ISSN 1553-9873 (print); ISSN 2375-7205 (online).  
<http://www.sciencepub.net/report/report0901s17>, 2017.
  23. Irlapati GR. Studies On The Earth Science Related (2). *Rep Opinion* 2017;9(2s):1-85. ISSN 1553-9873 (print); ISSN 2375-7205 (online).  
<http://www.sciencepub.net/report/report0902s17>, 2017.
  24. Irlapati GR. Studies On The Earth Science Related (3). *Rep Opinion* 2017;9(3s):1-129. ISSN 1553-9873 (print); ISSN 2375-7205 (online).  
<http://www.sciencepub.net/report/report0903s17>, 2017.
  25. Irlapati GR. Studies On The Climate And Natural Disasters. *Academ Arena* 2017;9(11s): 1-29. (ISSN 1553-992X).
  26. [yourarticlelibrary.com](http://yourarticlelibrary.com).

11/25/2017