

Global Monsoon Time Scales
(Basics Of The Global Monsoon Time Scales)

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Abstract: I have Conducted many researches on the global monsoon systems and formulated the basics of the following global, Regional, Sub-Regional & country-wise local, northern, southern, summer and winter wise to predict the weather changes and natural calamities in advance and to take mitigative measures.

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Key Words:

Indian Monsoon Time Scale, Chronological sequence, Main path of the Indian Monsoon Astrogeophysical/Astrimeteorological Phenomena.

1. Introduction:

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 Continent, Region Or Country. Each And Every Continent Or Region Or Country Has Its Own Monsoon Winds.

Importance:

By establishing the Global Monsoon Time Scales can help to study the movements of the Indian monsoon and also used to forecast the all weather changes and natural calamities in advance. All other meteorological natural hazards such as avalanches, cyclones, damaging winds, droughts and water shortage, floods, thunderstorms, tornados, tropical cyclones, typhoons etc can be predicted.

By establishing the Global Monsoon Time Scales and maintain, the country can be estimated the impending weather conditions and natural calamities like rains, floods, landslides, avalanches, blizzard, droughts, extreme winter conditions, heavy rainfall, mudflows, extreme weather, cyclones, cloud bursts, sand storms, hails, and winds etc in advance. Surface water resources can also be estimated in advance.

2. Uses:

Global Monsoon Time Scales used to forecast the weather changes and natural calamities of a country in advance. All other meteorological natural hazards such as avalanches, cyclones, damaging winds, droughts and water shortage, floods, thunderstorms, tornados, tropical cyclones, typhoons etc can be predicted.

3. Construction:

The global Monsoon 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 monsoon of a country and its relationship with rainfall and other weather problem and natural calamities.

Prepare the Global Monsoon Time Scale having 365 horizontal days from March 21st to next year March 20th of a required period comprising of a large time and weather have been taken and framed into a square graphic scale. The main weather events if any of the country 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 a country in this manner continuously, we can study the past, present and future movements of monsoon of a country. We can make separate monsoon time scales per each and every individual country.

4. Analysis:

The Indian Monsoon Time Scale reveals many secrets of the monsoon & its relationship with rainfall & other weather problems and natural calamities. For example, some bands, clusters and paths of low pressure systems along with the main paths of the Indian Monsoon (South-west monsoon and north-east monsoon) clearly seen in the map of the Indian monsoon it have been some cut-edge paths passing through its systematic zigzag cycles in ascending and ascending order which causes heavy rains & floods in some years and droughts & famines in another years according to their travel. For example, during 1871-1990's the main path of the Indian monsoon was rising over June, July, August and creating heavy rains and floods in most years. During 1900-1920's it was falling over August, September and causing low rainfall in many years, During 1920-1965's, it was rising again over July, August, September and resulting good rainfall in more years. During 1965-

2004's it was falling over September and causing low rainfall and droughts in many years. At present it is rising upwards over June, July, August, and will be resulting heavy rains & floods in coming years during 2004-2060. The tracking date of main path & other various paths such as south-west monsoon and north-east monsoon etc., of the Indian Monsoon denotes the

onset of the monsoon, monsoon pulses or low pressure systems. And also we can find out many more secrets of the Indian monsoon such as droughts, famines, cyclones, heavy rains, floods, real images of the Indian Monsoon, and onset & withdrawals of south west monsoon and north-east monsoon etc. by keen study of the Indian Monsoon Time Scale.

4. Global Monsoon Time Scales

African Monsoon Time Scale
North American Monsoon Time Scale
Asian Monsoon Time Scale
Australian Monsoon Time Scale
European Monsoon Time Scale

5. Regional Monsoon Time Scales

North American Monsoon Time Scale
North African Monsoon Time Scale
Indian Monsoon Time Scale
Western North Pacific Monsoon Time Scale
South American Monsoon Time Scale
South African Monsoon Time Scale

Australian Monsoon Time Scale

East Asian Monsoon Time Scale

6. Sub-Regional Monsoon Time Scales

South Asian Monsoon Time Scale
Maritime Continent Monsoon Time Scale
East African Monsoon Time Scale
West African Monsoon Time Scale
Indo-Australian Monsoon Time Scale
Asian-Australian Monsoon Time Scale
Malaysian Australian Monsoon Time Scale
Northern Australian Monsoon Time Scale
Arizona Monsoon Time Scale
Mexican Monsoon Time Scale
South-West Monsoon Time Scale
North-East Monsoon Time Scale
South East Asian Monsoon Time Scale

7. Country-Wise Local Monsoon Time Scales

I have also proposed about 200 country-wise local monsoon time scales for all the world countries.

Afghanistan - Monsoon Time Scale
Albania- Monsoon Time Scale
Algeria- Monsoon Time Scale
American Samoa- Monsoon Time Scale
Andorra- Monsoon Time Scale
Angola- Monsoon Time Scale
Anguilla- Monsoon Time Scale
Argentina- Monsoon Time Scale
Antigua and Barbuda- Monsoon Time Scale
Argentina- Monsoon Time Scale
Armenia- Monsoon Time Scale
Aruba- Monsoon Time Scale
Australia- Monsoon Time Scale
Austria- Monsoon Time Scale
Azerbaijan- Monsoon Time Scale
Bahamas- Monsoon Time Scale
Bahrain- Monsoon Time Scale
Bangladesh- Monsoon Time Scale
Barbados- Monsoon Time Scale
Belarus- Monsoon Time Scale
Belgium- Monsoon Time Scale
Belize- Monsoon Time Scale

Benin- Monsoon Time Scale
Bermuda- Monsoon Time Scale
Bhutan- Monsoon Time Scale
Bolivia- Monsoon Time Scale
Bosnia and Herzegovina- Monsoon Time Scale
Botswana- Monsoon Time Scale
Brazil- Monsoon Time Scale
Brunei and Darussalam- Monsoon Time Scale
Bulgaria- Monsoon Time Scale
Burkina Faso- Monsoon Time Scale
Burundi- Monsoon Time Scale
Cambodia- Monsoon Time Scale
Cameroon- Monsoon Time Scale
Canada- Monsoon Time Scale
Cape Verde- Monsoon Time Scale
Cayman Islands- Monsoon Time Scale
Central African Republic- Monsoon Time Scale
Chad- Monsoon Time Scale
Chile- Monsoon Time Scale
China- Monsoon Time Scale
Christmas Islands- Monsoon Time Scale
Cocas Keeling Islands- Monsoon Time Scale

Colombia- Monsoon Time Scale
Comoros- Monsoon Time Scale
Congo (Kinshasa) - Monsoon Time Scale
Republic Congo (Brazzaville) - Monsoon Time Scale
Cook Islands- Monsoon Time Scale
Costa Rica- Monsoon Time Scale
Ivory Coast- Monsoon Time Scale
Croatia- Monsoon Time Scale
Cuba Cyprus- Monsoon Time Scale
Czech Republic- Monsoon Time Scale
Denmark- Monsoon Time Scale
Djibouti- Monsoon Time Scale
Dominica- Monsoon Time Scale
Dominican Republic- Monsoon Time Scale
East Timor (Timor-Leste) - Monsoon Time Scale
Ecuador- Monsoon Time Scale
Egypt- Monsoon Time Scale
El Salvador- Monsoon Time Scale
Equatorial Guinea- Monsoon Time Scale
Eritrea- Monsoon Time Scale
Estonia- Monsoon Time Scale
Ethiopia- Monsoon Time Scale
Falkland Islands- Monsoon Time Scale
Faroe Islands- Monsoon Time Scale
Fiji- Monsoon Time Scale
Finland- Monsoon Time Scale
France- Monsoon Time Scale
French Guiana- Monsoon Time Scale
French Polynesia- Monsoon Time Scale
French Southern Territories- Monsoon Time Scale
Gabon- Monsoon Time Scale
Gambia- Monsoon Time Scale
Georgia- Monsoon Time Scale
Germany- Monsoon Time Scale
Ghana- Monsoon Time Scale
Gibraltar- Monsoon Time Scale
Great Britain - Monsoon Time Scale
Greece- Monsoon Time Scale
Greenland- Monsoon Time Scale
Grenada- Monsoon Time Scale
Guadeloupe- Monsoon Time Scale
Guam- Monsoon Time Scale
Guatemala- Monsoon Time Scale
Guinea- Monsoon Time Scale
Guinea-Bissau- Monsoon Time Scale
Guyana- Monsoon Time Scale
Haiti- Monsoon Time Scale
Holy See- Monsoon Time Scale
Honduras- Monsoon Time Scale
Honduras- Monsoon Time Scale
Hong Kong- Monsoon Time Scale
Hungary- Monsoon Time Scale
Iceland- Monsoon Time Scale

India- Monsoon Time Scale
Indonesia- Monsoon Time Scale
Iran- Monsoon Time Scale
Iraq- Monsoon Time Scale
Ireland- Monsoon Time Scale
Israel- Monsoon Time Scale
Italy- Monsoon Time Scale
Jamaica- Monsoon Time Scale
Japan- Monsoon Time Scale
Jordan- Monsoon Time Scale
Kazakhstan- Monsoon Time Scale
Kenya- Monsoon Time Scale
Kiribati- Monsoon Time Scale
Korea North- Monsoon Time Scale
Korea South- Monsoon Time Scale
Kosovo- Monsoon Time Scale
Kuwait- Monsoon Time Scale
Kyrgyzstan- Monsoon Time Scale
Laos (People Democratic) - Monsoon Time Scale
Latvia- Monsoon Time Scale
Lebanon- Monsoon Time Scale
Lesotho- Monsoon Time Scale
Liberia- Monsoon Time Scale
Libya- Monsoon Time Scale
Liechtenstein- Monsoon Time Scale
Lithuania- Monsoon Time Scale
Luxembourg- Monsoon Time Scale
Macau- Monsoon Time Scale
Macedonia- Monsoon Time Scale
Madagascar- Monsoon Time Scale
Malawi- Monsoon Time Scale
Malaysia- Monsoon Time Scale
Maldives- Monsoon Time Scale
Mali- Monsoon Time Scale
Malta- Monsoon Time Scale
Marshall Islands- Monsoon Time Scale
Martinique- Monsoon Time Scale
Mauritania- Monsoon Time Scale
Mauritius- Monsoon Time Scale
Mayotte- Monsoon Time Scale
Mexico- Monsoon Time Scale
Micronesia- Monsoon Time Scale
Moldova- Monsoon Time Scale
Monaco- Monsoon Time Scale
Mongolia- Monsoon Time Scale
Montenegro- Monsoon Time Scale
Montserrat- Monsoon Time Scale
Morocco- Monsoon Time Scale
Mozambique- Monsoon Time Scale
Myanmar Burma- Monsoon Time Scale
Namibia- Monsoon Time Scale
Nauru- Monsoon Time Scale
Nepal- Monsoon Time Scale

Netherlands- Monsoon Time Scale
New Zealand- Monsoon Time Scale
Nicaragua- Monsoon Time Scale
Niger- Monsoon Time Scale
Nigeria- Monsoon Time Scale
Niue- Monsoon Time Scale
Northern Mariana Islands
Norway- Monsoon Time Scale
Oman- Monsoon Time Scale
Pakistan- Monsoon Time Scale
Palau- Monsoon Time Scale
Palestiman Territories- Monsoon Time Scale
Panama- Monsoon Time Scale
Papua New Guinea- Monsoon Time Scale
Paraguay- Monsoon Time Scale
Peru- Monsoon Time Scale
Philippines- Monsoon Time Scale
Pitcairn Islands- Monsoon Time Scale
Poland- Monsoon Time Scale
Portugal- Monsoon Time Scale
Puerto Rice- Monsoon Time Scale
Qatar- Monsoon Time Scale
Reunion Islands- Monsoon Time Scale
Romania- Monsoon Time Scale
Russia Federation- Monsoon Time Scale
Rwanda- Monsoon Time Scale
Saint Kitts and Nevis- Monsoon Time Scale
Saint Lucia- Monsoon Time Scale
Samoa- Monsoon Time Scale
St Vincent and the Grenadines- Monsoon Time Scale
San Marino- Monsoon Time Scale
Sao Tome and Principe- Monsoon Time Scale
Saudi Arabia- Monsoon Time Scale
Senegal- Monsoon Time Scale
Serbia- Monsoon Time Scale
Seychelles- Monsoon Time Scale
Sierra Leone- Monsoon Time Scale
Singapore- Monsoon Time Scale
Slovakia- Monsoon Time Scale
Slovenia- Monsoon Time Scale
Solomon Islands- Monsoon Time Scale
Somalia- Monsoon Time Scale
South Africa- Monsoon Time Scale
South Sudan- Monsoon Time Scale
Spain- Monsoon Time Scale
Sri Lanka- Monsoon Time Scale
Sudan- Monsoon Time Scale
Suriname- Monsoon Time Scale
Swaziland- Monsoon Time Scale
Sweden- Monsoon Time Scale
Switzerland- Monsoon Time Scale
Syria- Monsoon Time Scale
Taiwan- Monsoon Time Scale

Tajikistan- Monsoon Time Scale
Tanzania- Monsoon Time Scale
Thailand- Monsoon Time Scale
Tibet- Monsoon Time Scale
Timor-Leste- Monsoon Time Scale
Togo- Monsoon Time Scale
Tokelau- Monsoon Time Scale
Tonga- Monsoon Time Scale
Trinidad and Tobago- Monsoon Time Scale
Tunisia- Monsoon Time Scale
Turkey- Monsoon Time Scale
Turkmenistan- Monsoon Time Scale
Turks and Caicos Islands- Monsoon Time Scale
Tuvalu- Monsoon Time Scale
Uganda- Monsoon Time Scale
Ukraine- Monsoon Time Scale
United Arab Emirates- Monsoon Time Scale
United Kingdom- Monsoon Time Scale
United States of America- Monsoon Time Scale
Uruguay- Monsoon Time Scale
Uzbekistan- Monsoon Time Scale
Vanuatu- Monsoon Time Scale
Vatican City- Monsoon Time Scale
Venezuela- Monsoon Time Scale
Vietnam- Monsoon Time Scale
Virgin Islands (British) - Monsoon Time Scale
Virgin Islands (US) - Monsoon Time Scale
Walls and Futuna Islands- Monsoon Time Scale
Western Sahara- Monsoon Time Scale
Yemen- Monsoon Time Scale
Zambia- Monsoon Time Scale
Zimbabwe- Monsoon Time Scale

8. Construction:

The global Monsoon 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 monsoon of a country and its relationship with rainfall and other weather problem and natural calamities. Prepare the Global Monsoon Time Scale having 365 horizontal days from March 21st to next year March 20th of a required period comprising of a large time and weather have been taken and framed into a square graphic scale.

9. Maintanance:

The main weather events if any of the country 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 a country in this manner continuously, we can study the past, present and future movements of monsoon of a country.

10. Indian Monsoon Time Scale:

For example, I have prepared the Indian Monsoon Time Scale by Preparing the Scale having 365 horizontal days from 1st April to next year March 31st of 128 years from 1888 to 2016 for the required period comprising of large time and weather have been taken and framed into a square graphic scale. The monsoon pulses in the form of low pressure systems over the Indian region have been entering on the scale in stages by 1 for low, 2 for depression, 3 for storm, 4 for severe storm and 5 for severe storm with core of hurricane winds pertaining to the date and month of the each and every year. If we have been managing the scale in this manner continuously, we can study the past's present's and future's of the India monsoon and its relationship with rainfall and other weather problems & natural calamities in India.

11. Principle:

This is an Astrogeophysical/Astrometeorological phenomenon of effects of astronomical bodies and forces on the earth's geophysical atmosphere. The cause is unknown however the year to year change of movement of axis of the earth inclined at 23½ degrees from vertical to its path around the sun does play a significant role in formation of clusters, bands & paths of the Indian Monsoon and stimulates the Indian weather. The inter-tropical convergence zone at the equator follows the movement of the sun and shifts north of the equator merges with the heat low pressure zone created by the rising heat of the sub-continent due to direct and converging rays of the summer sun on the India Sub-Continent and develops into the monsoon trough and maintain monsoon circulation.

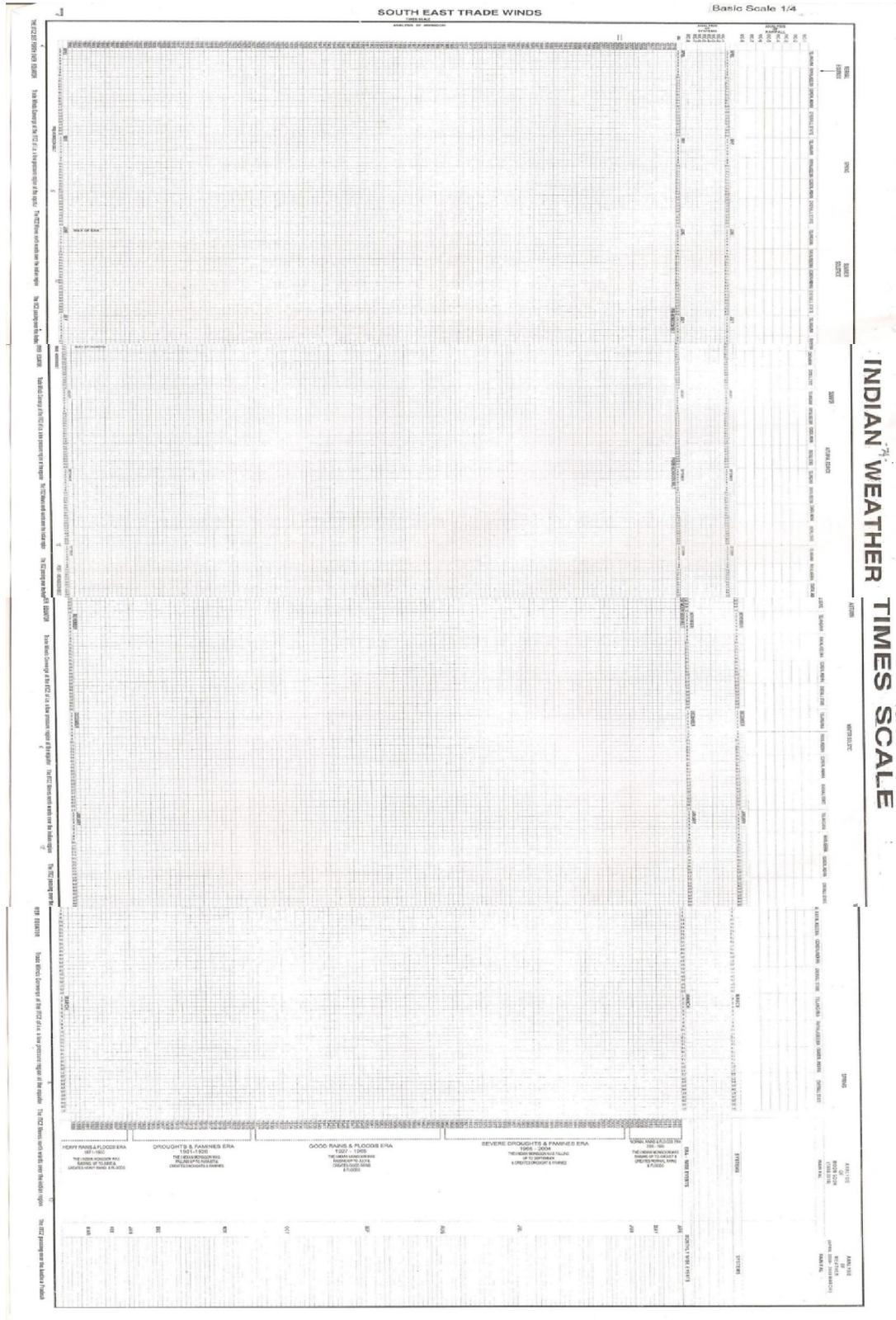
12. Conclusions:

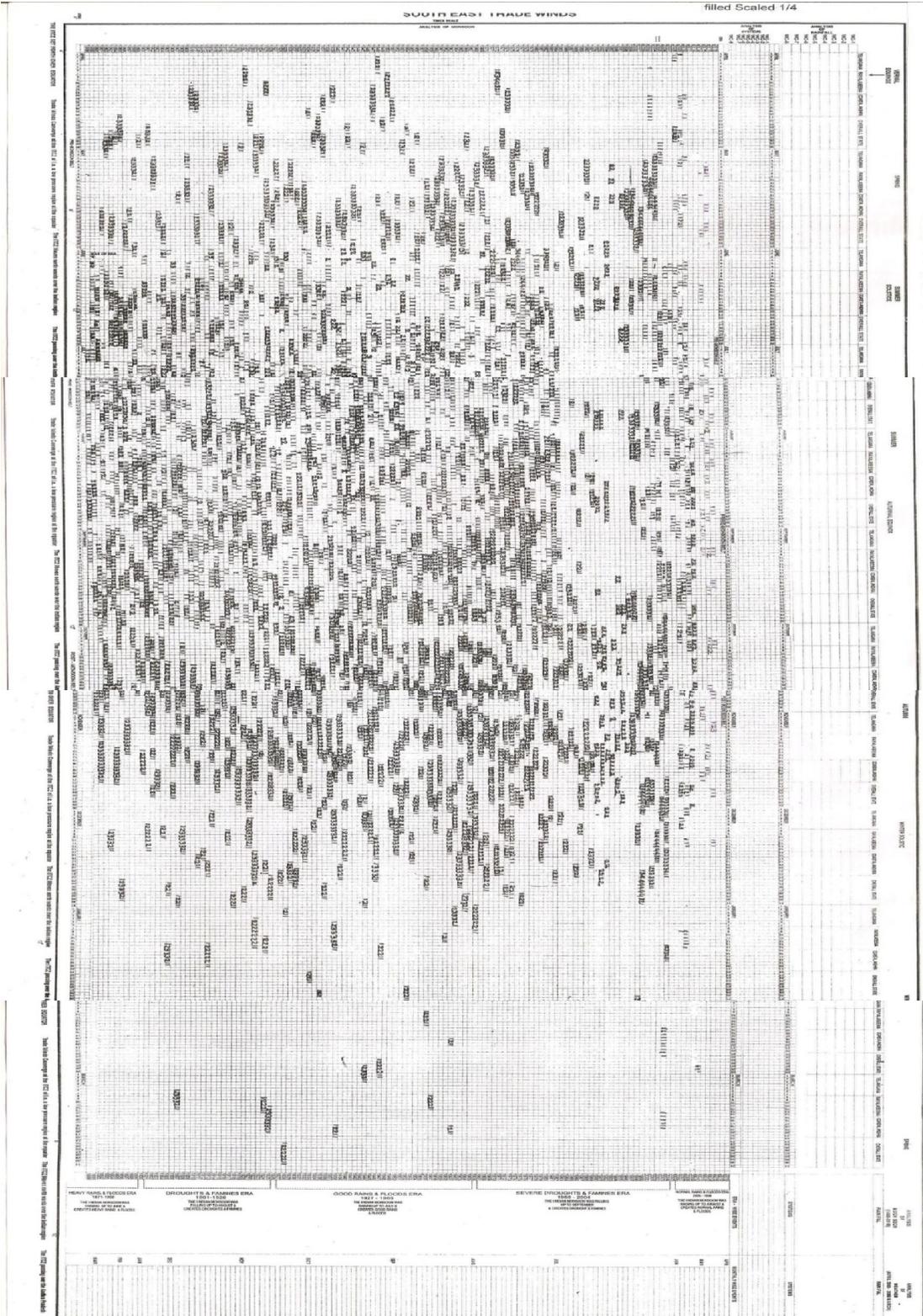
We can make many more modifications thus bringing many more developments in the Global Monsoon Time Scales. We can also make many more changes and development in the monsoon time scales and make separate monsoon time scales in name of each and every region of the world in accordance with the weather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

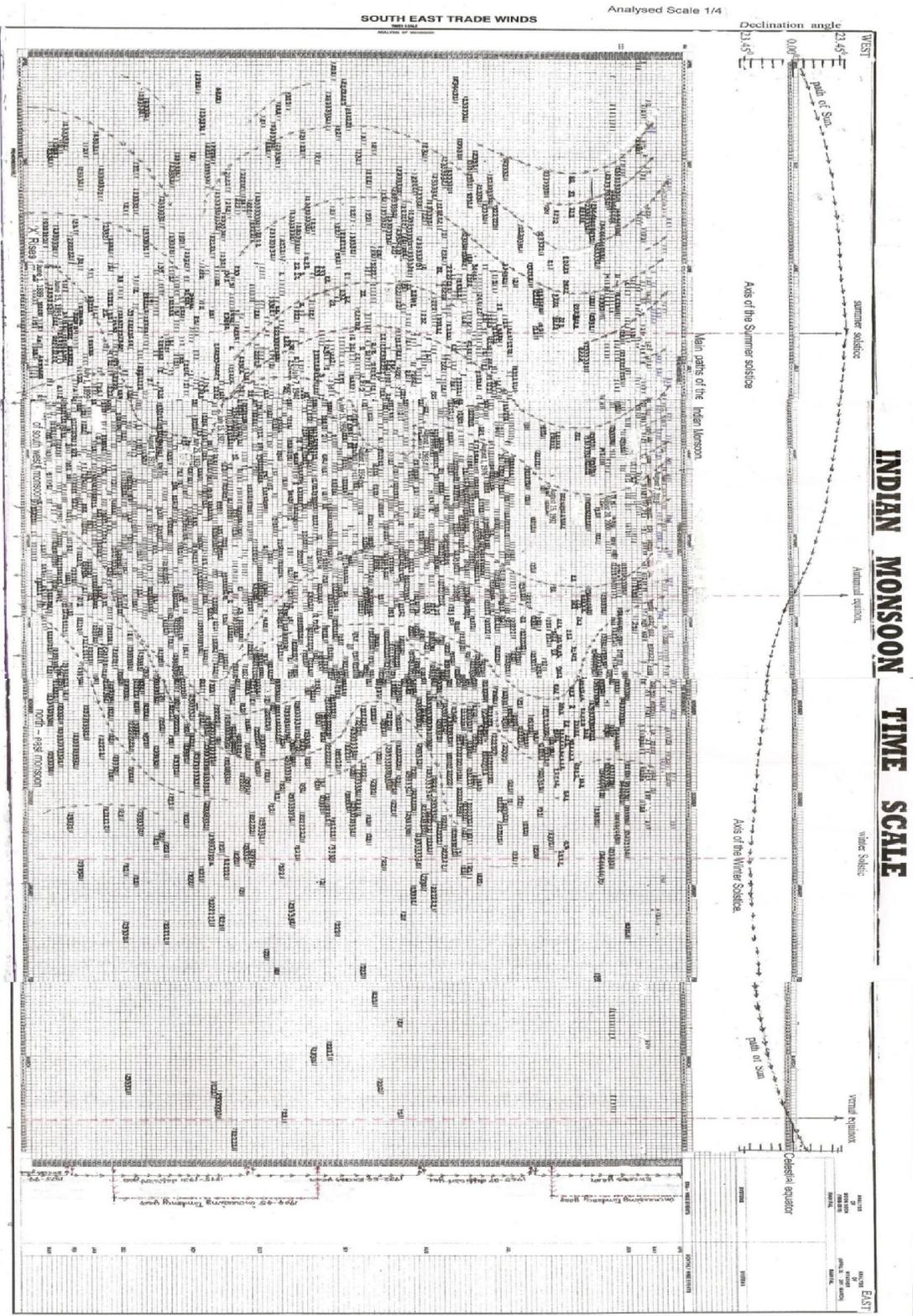
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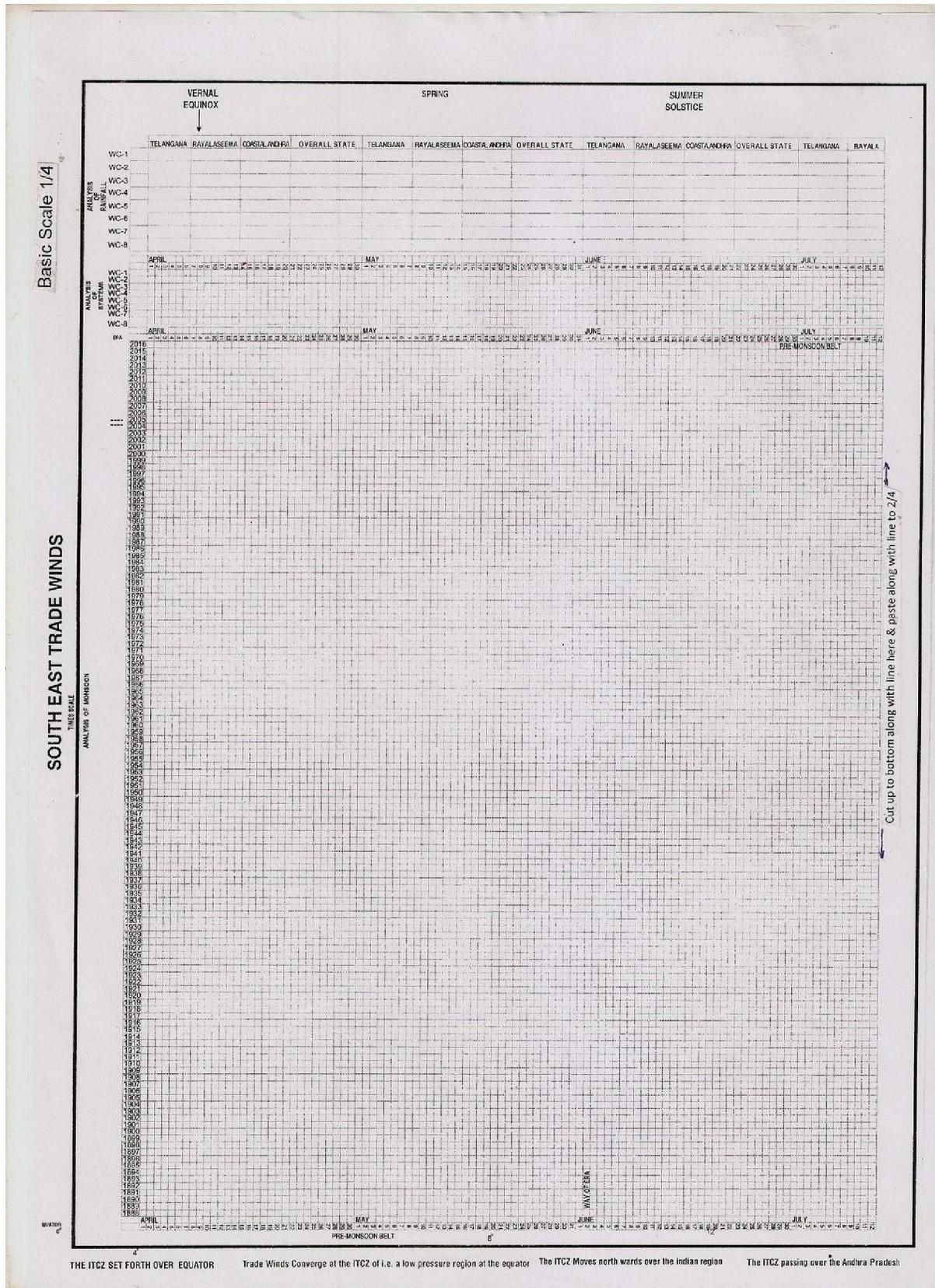
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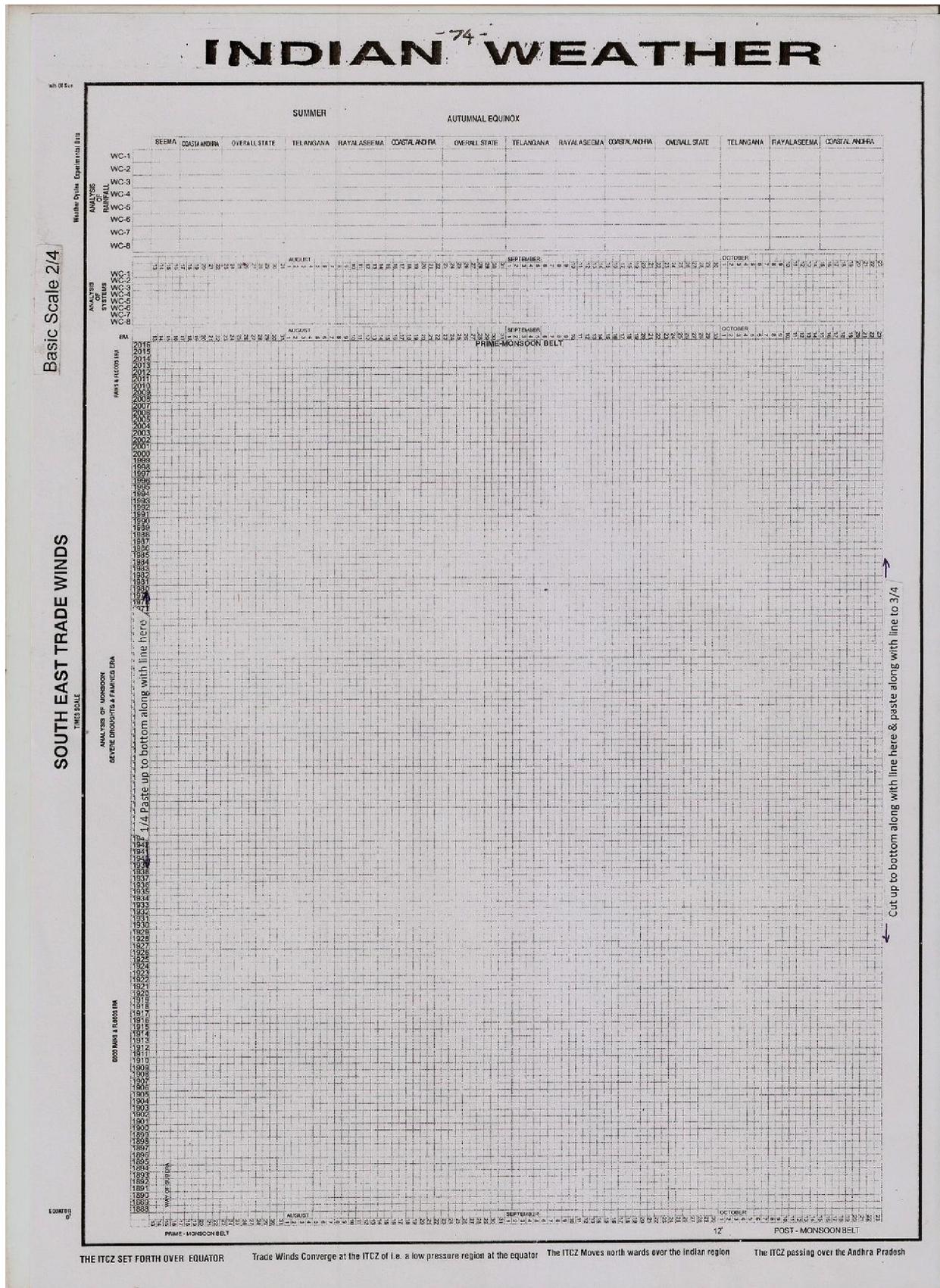
Appendices:
1.2.3.maps





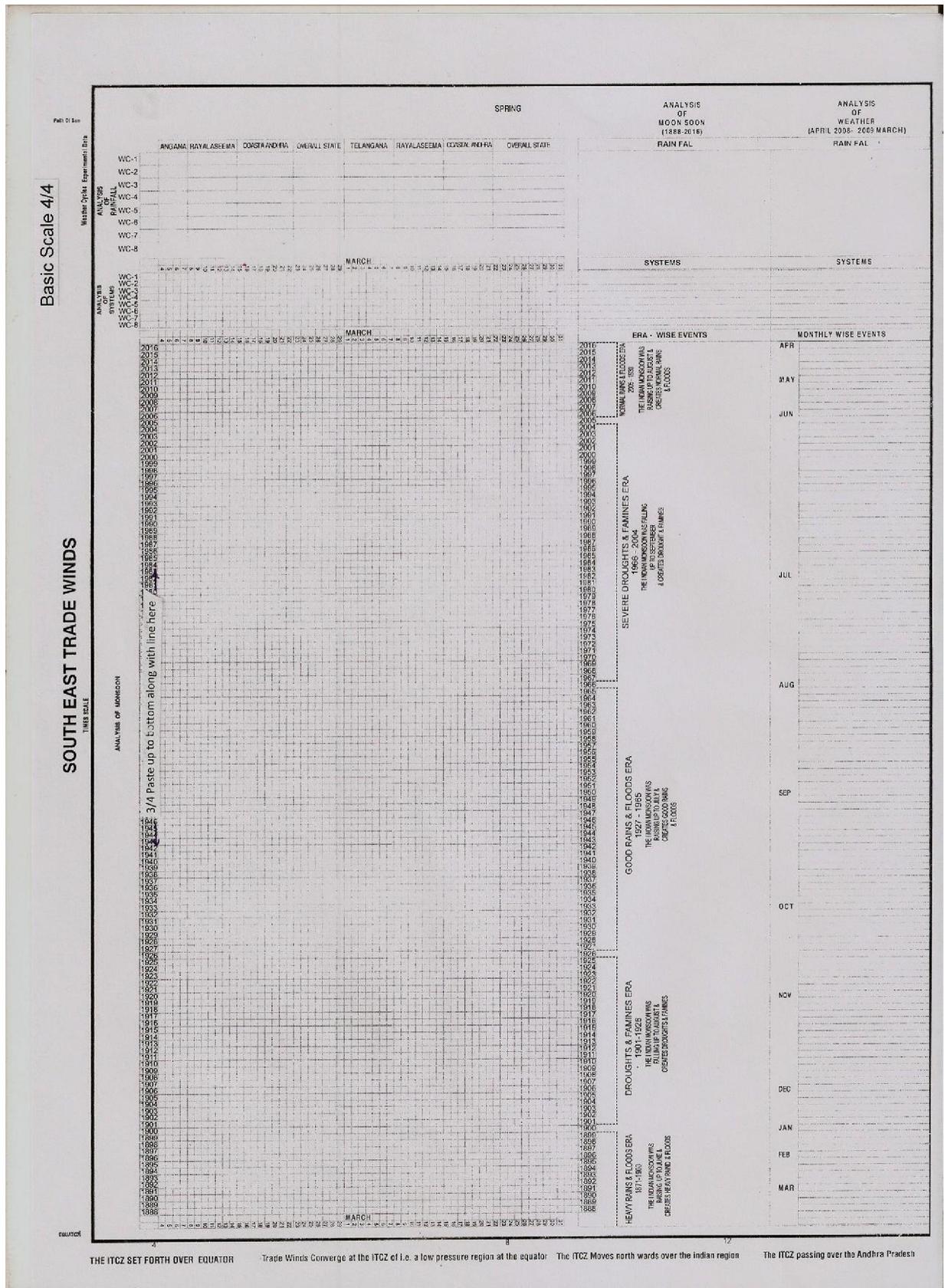






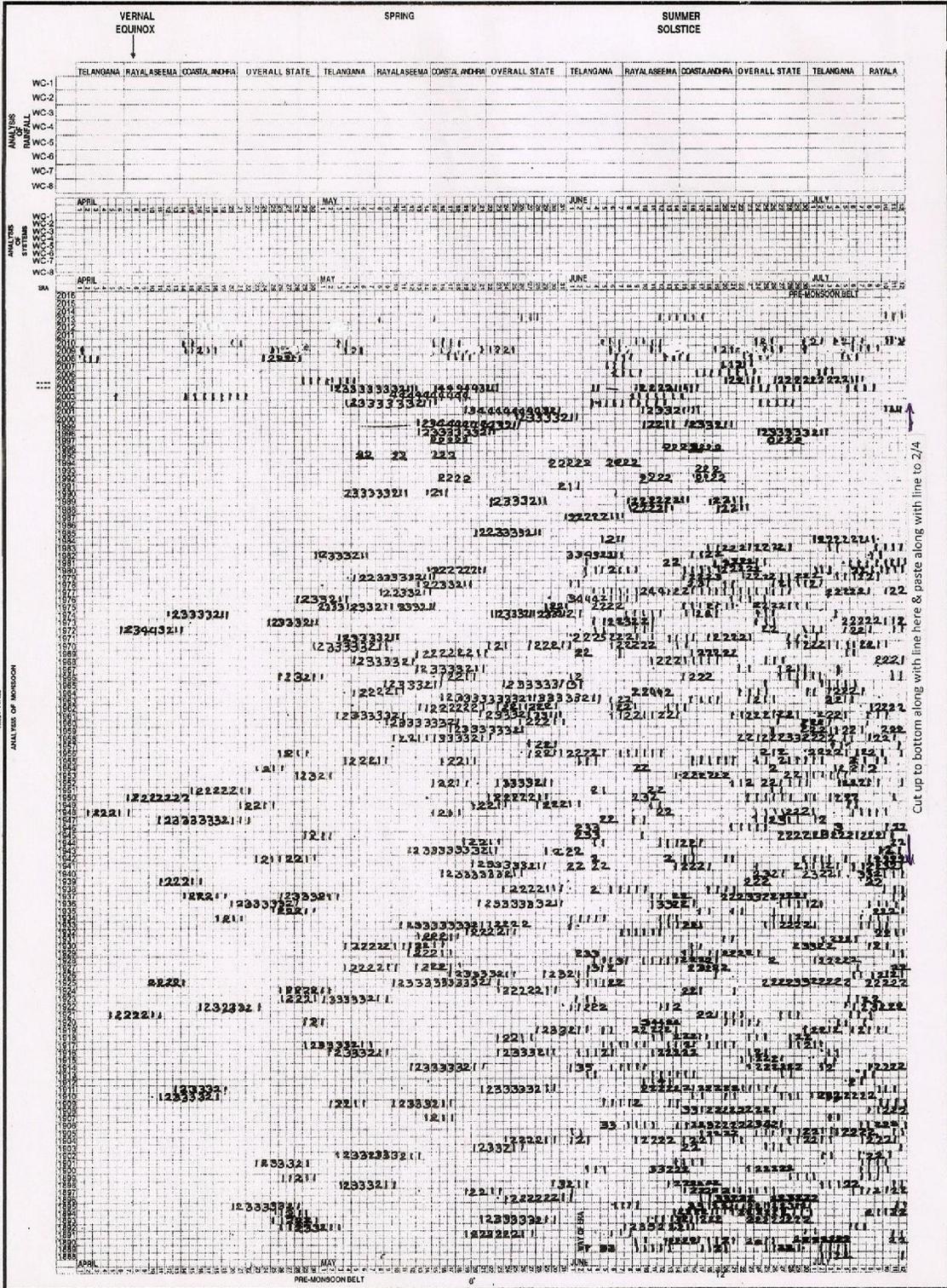
Basic Scale 2/4

SOUTH EAST TRADE WINDS



filled Scaled 1/4

SOUTH EAST TRADE WINDS
THREE SCALE
ANALYSIS OF MONSOON

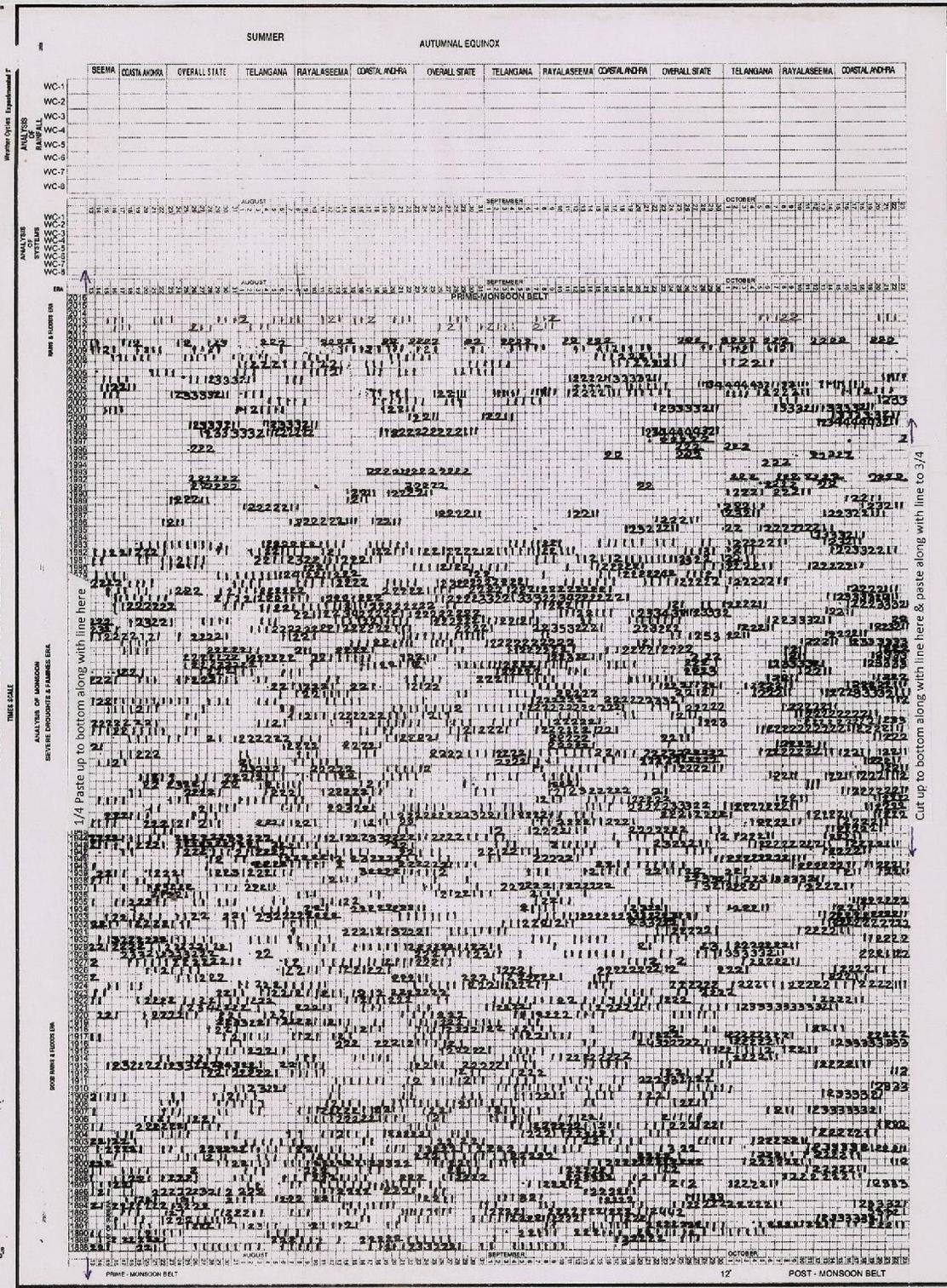


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THE ITCZ SET FORTH OVER EQUATOR Trade Winds Converge at the ITCZ of i.e. a low pressure region at the equator The ITCZ Moves north wards over the Indian region The ITCZ passing over the Andhra Pradesh

filled Scaled 2/4

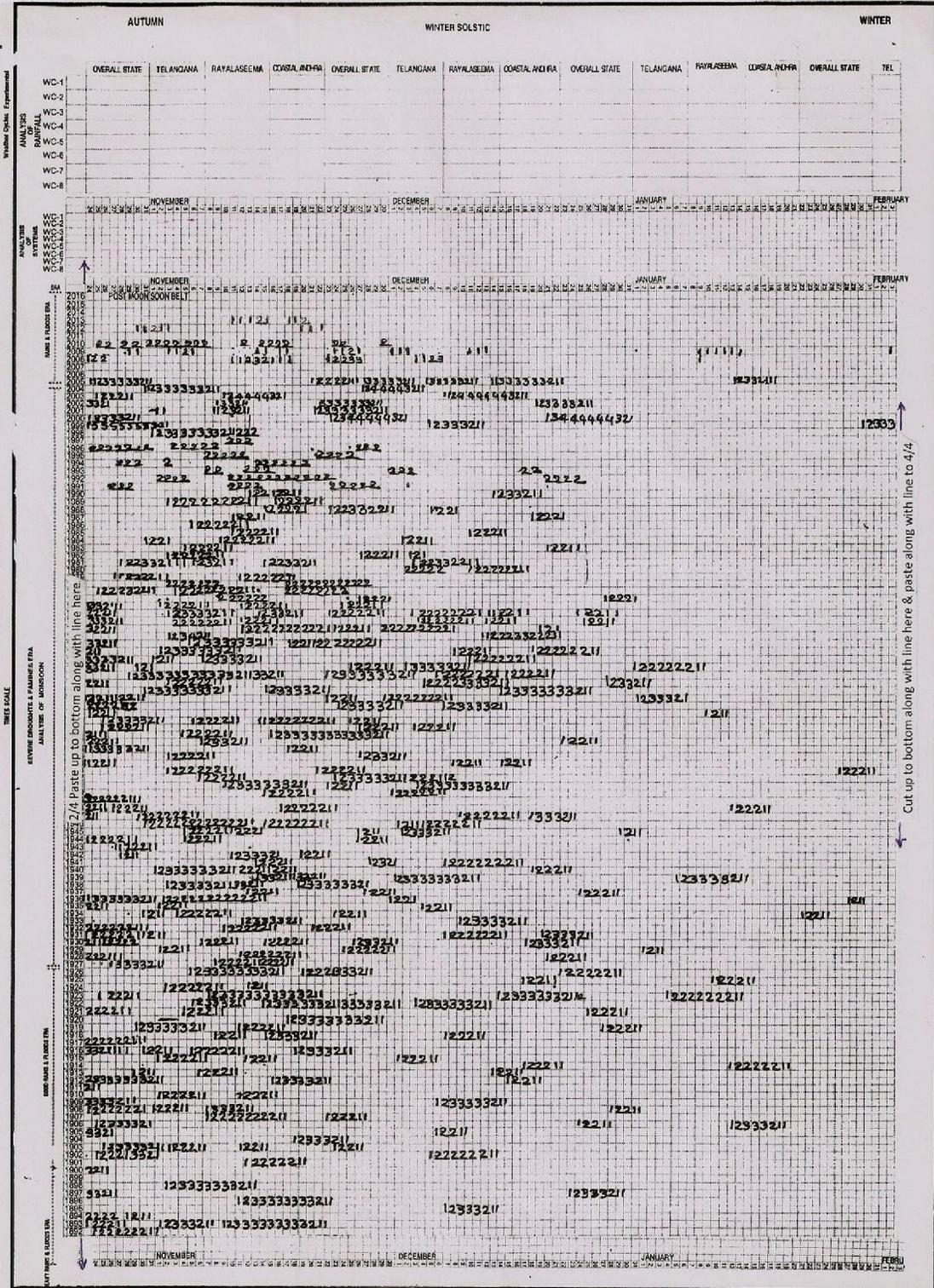
SOUTH EAST TRADE WINDS



ITCZ SET FORTH OVER EQUATOR Trade Winds Converge at the ITCZ of i.e. a low pressure region at the equator The ITCZ Moves north wards over the Indian region The ITCZ passing over the Andhra Pradesh

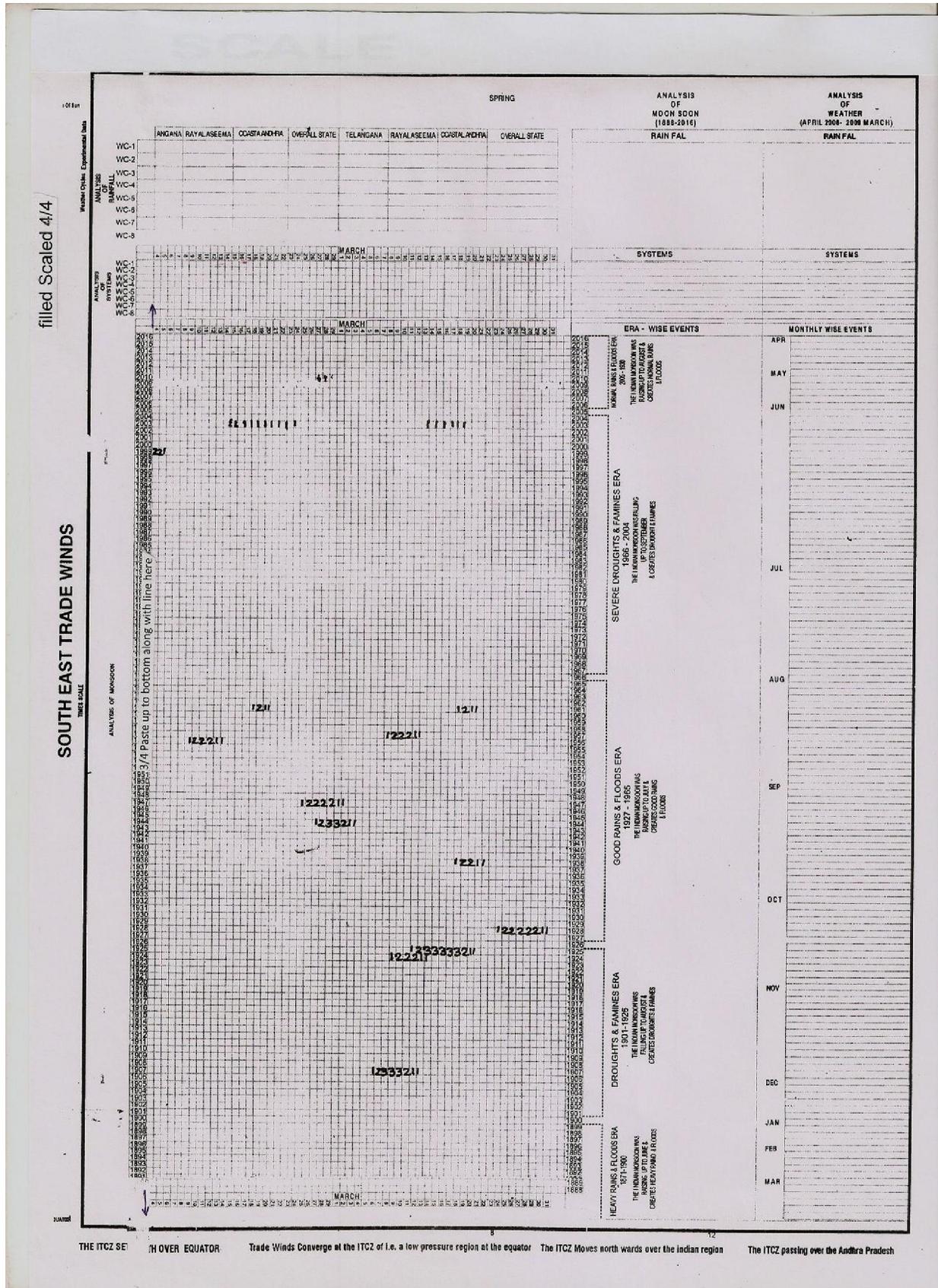
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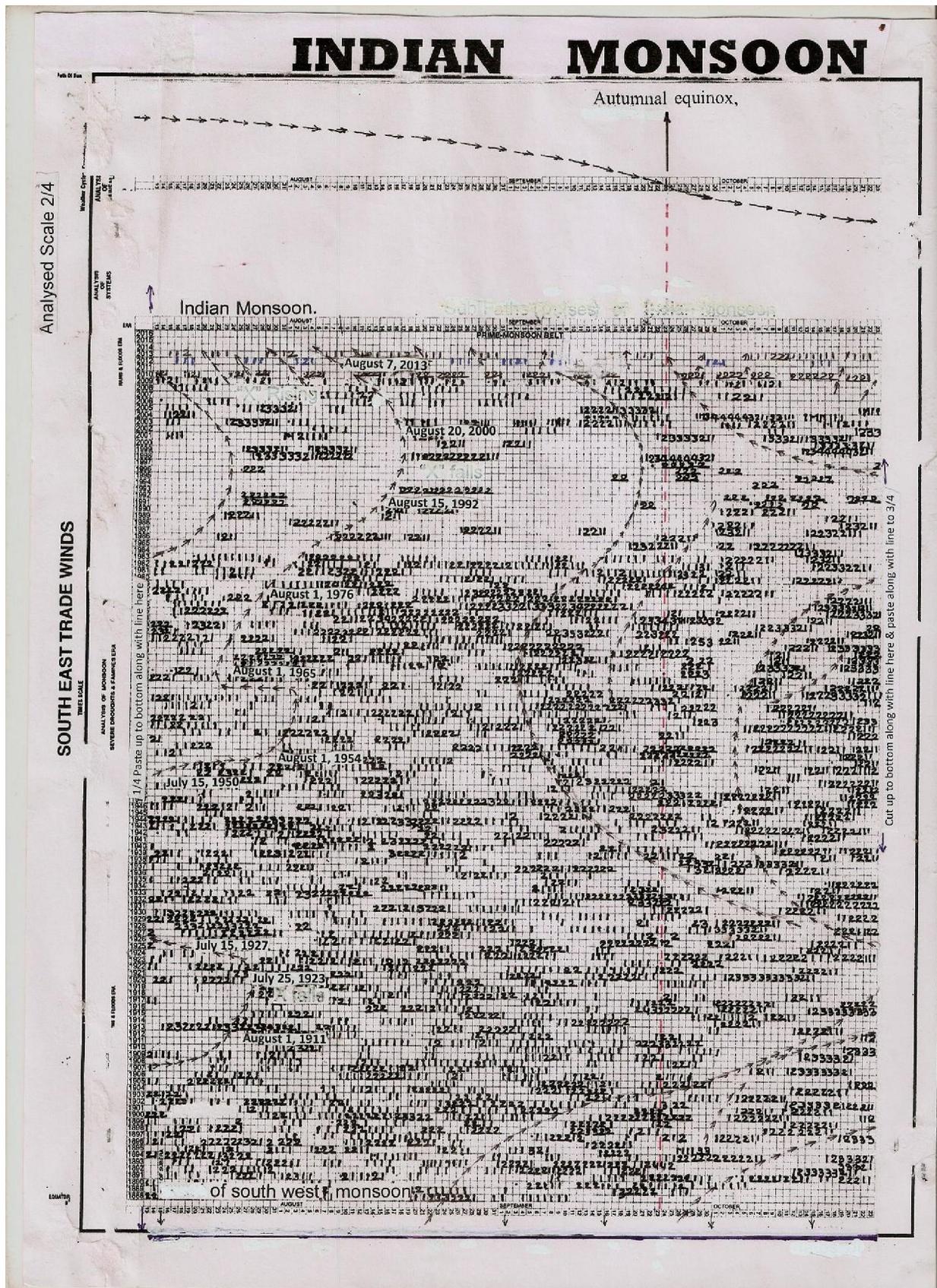
SOUTH EAST TRADE WINDS



THE ITCZ SE RTH OVER EQUATOR Trade Winds Converge at the ITCZ of i.e. a low pressure region at the equator The ITCZ Moves north wards over the Indian region The ITCZ passing over the Andhra

దూలభ్రా సముద్రాల ధృవతాలకు తరులకుగా మారగలవు



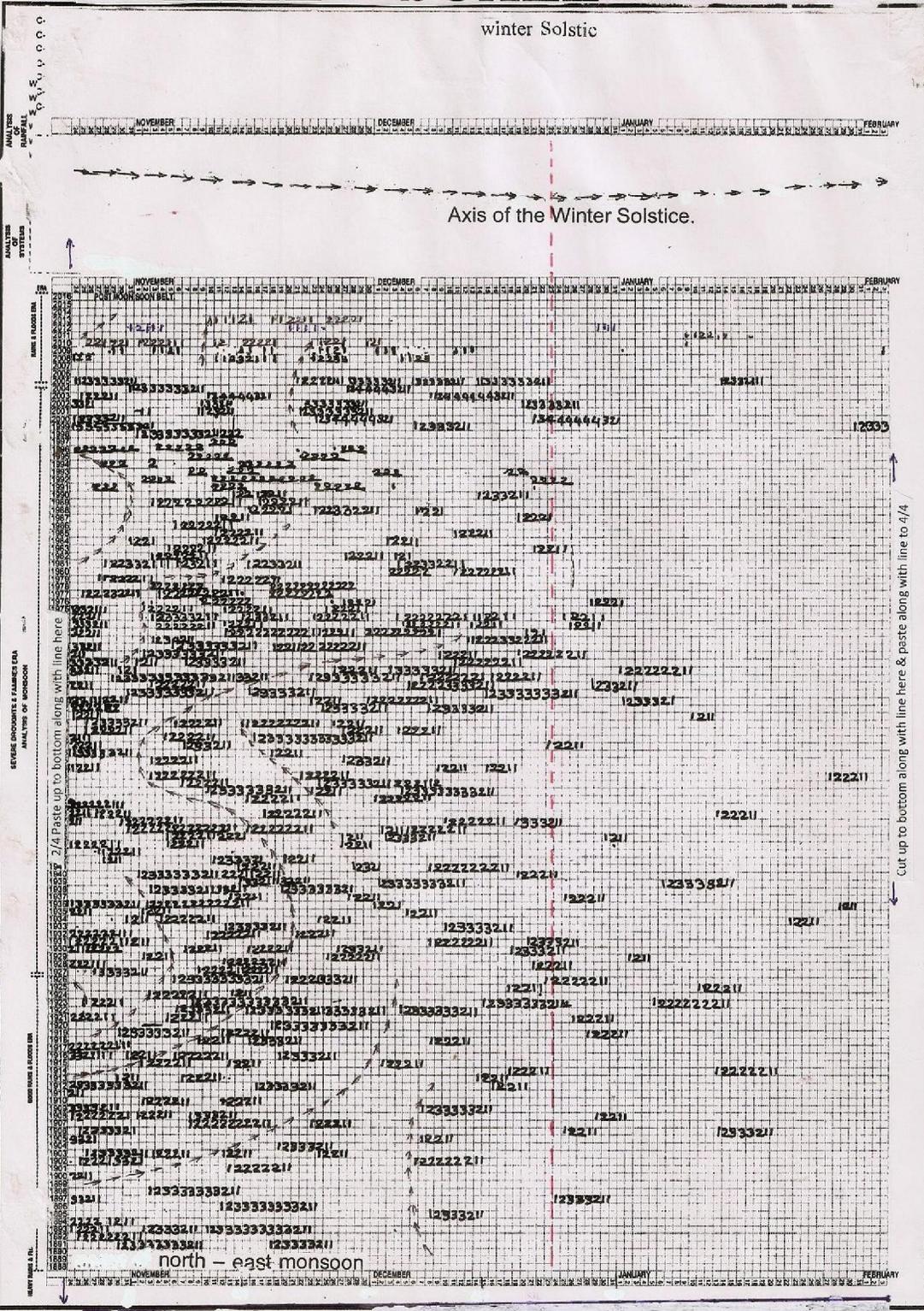


TIME SCALE

winter Solstic

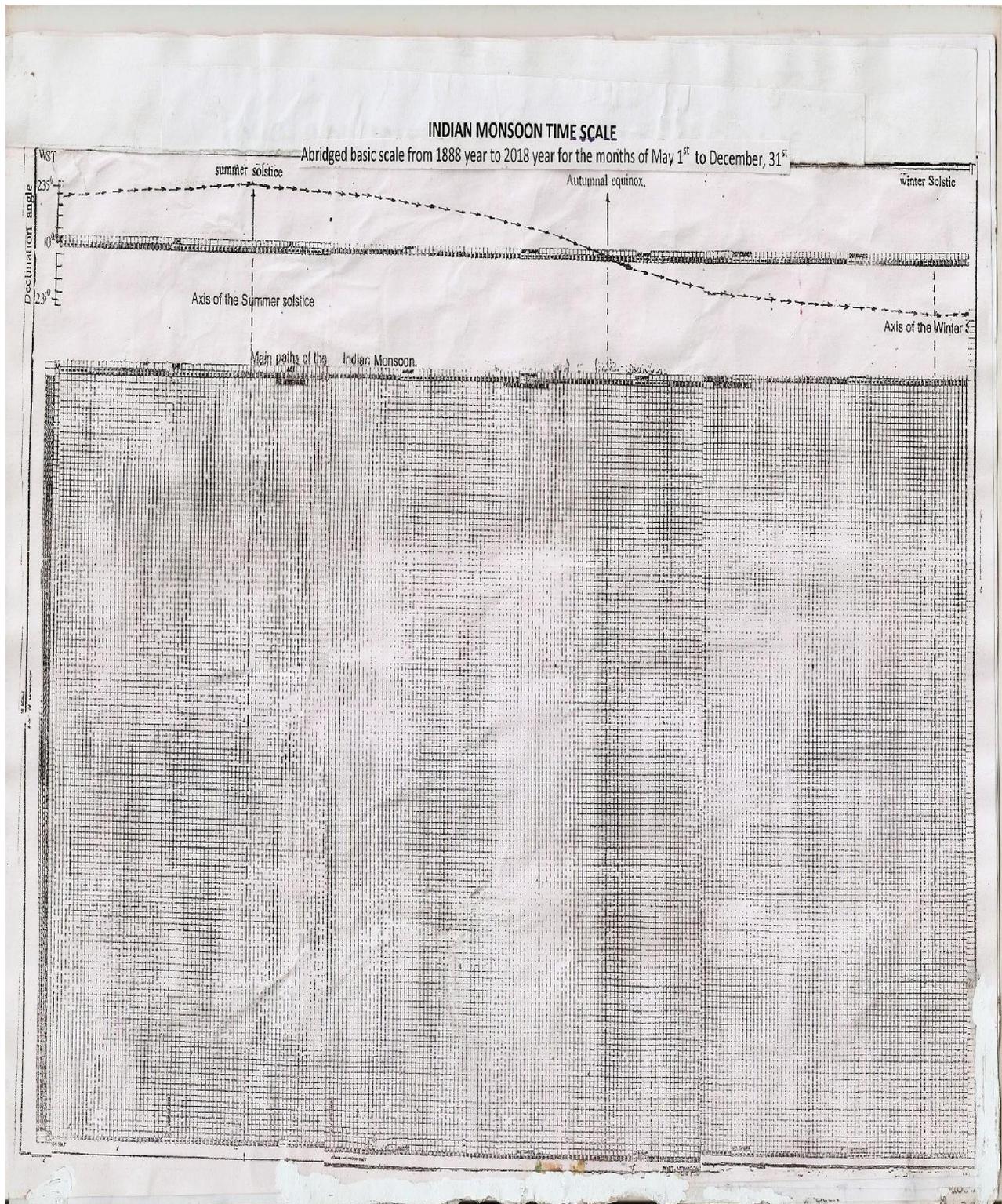
Analysed Scale 3/4

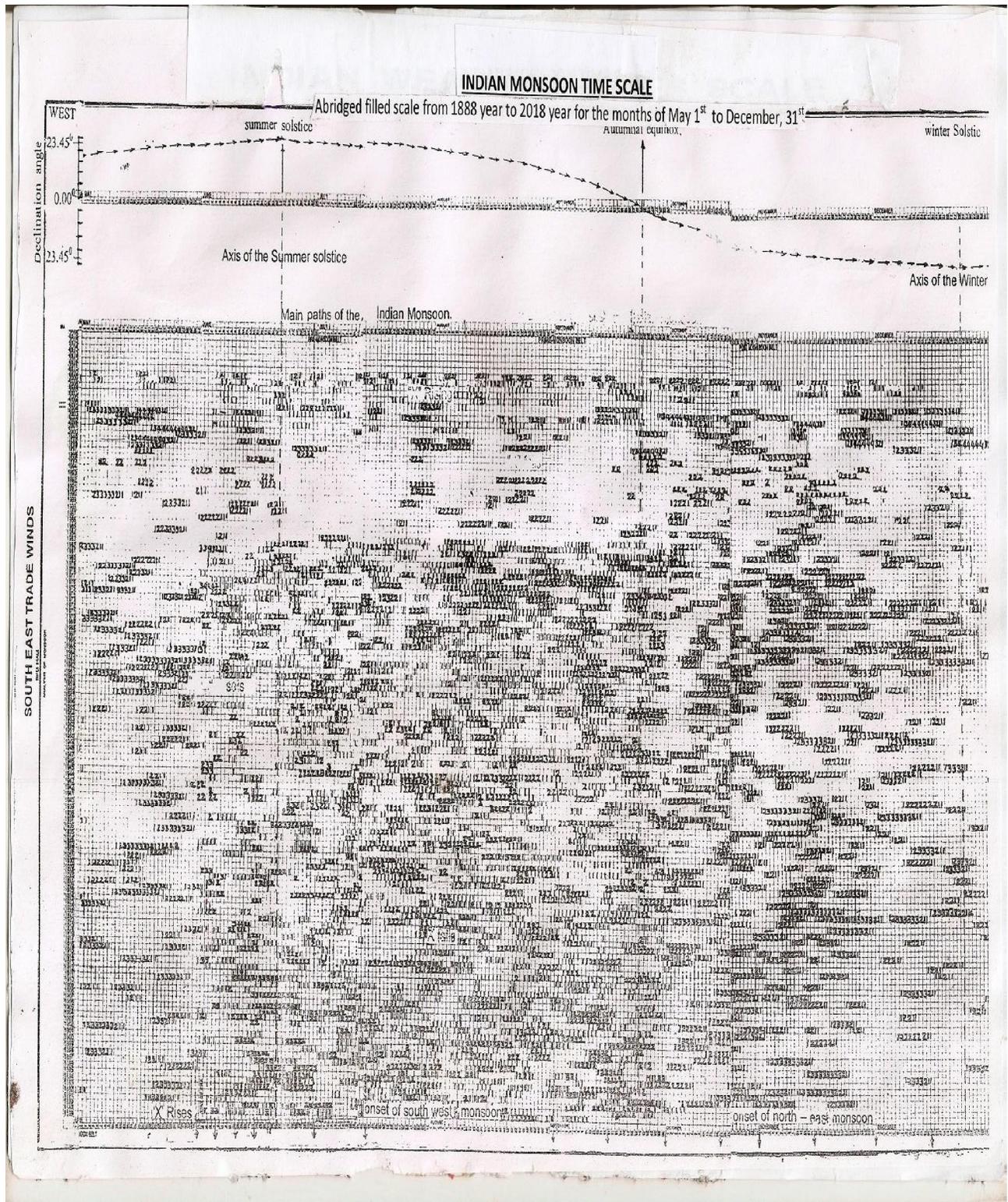
SOUTH EAST TRADE WINDS

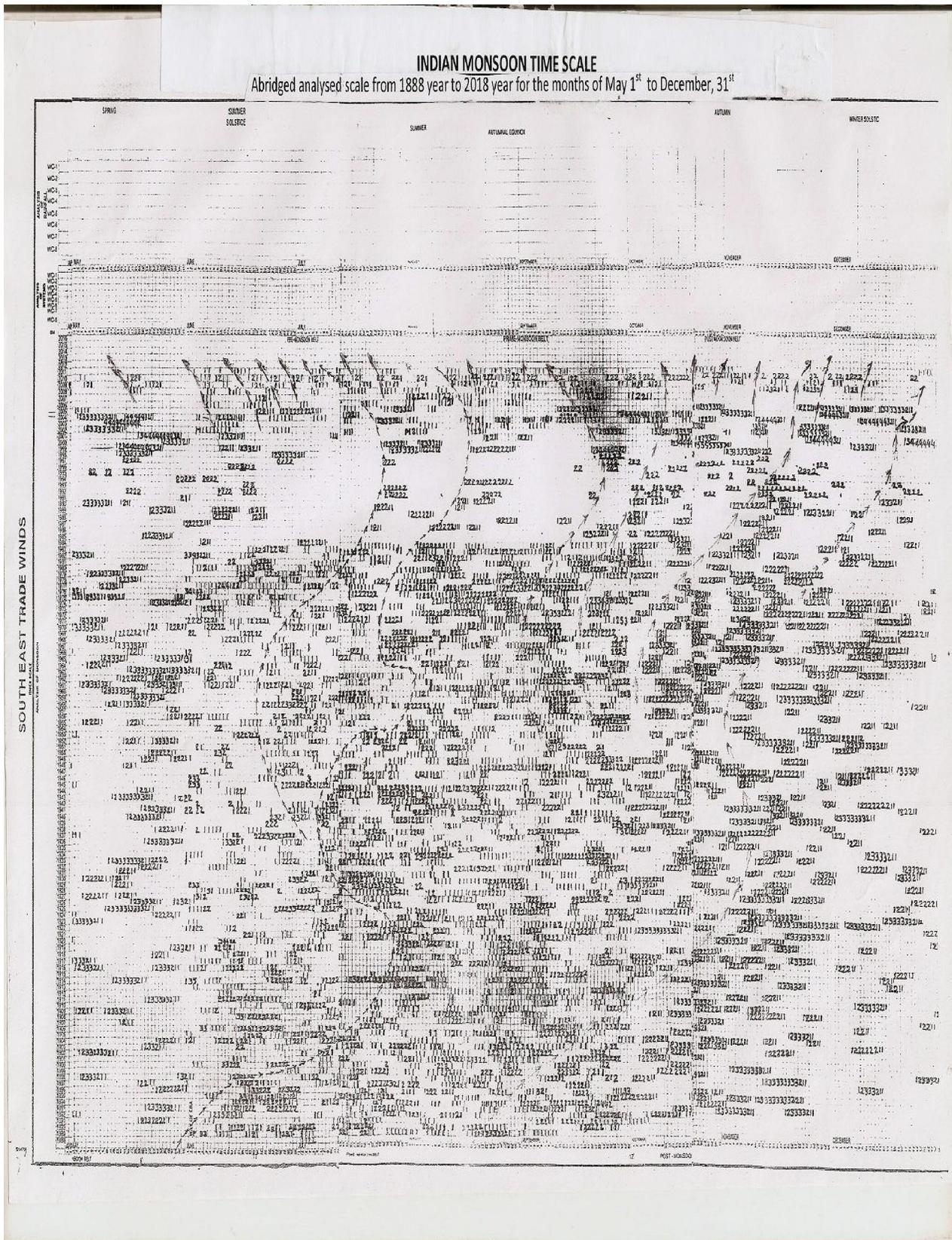


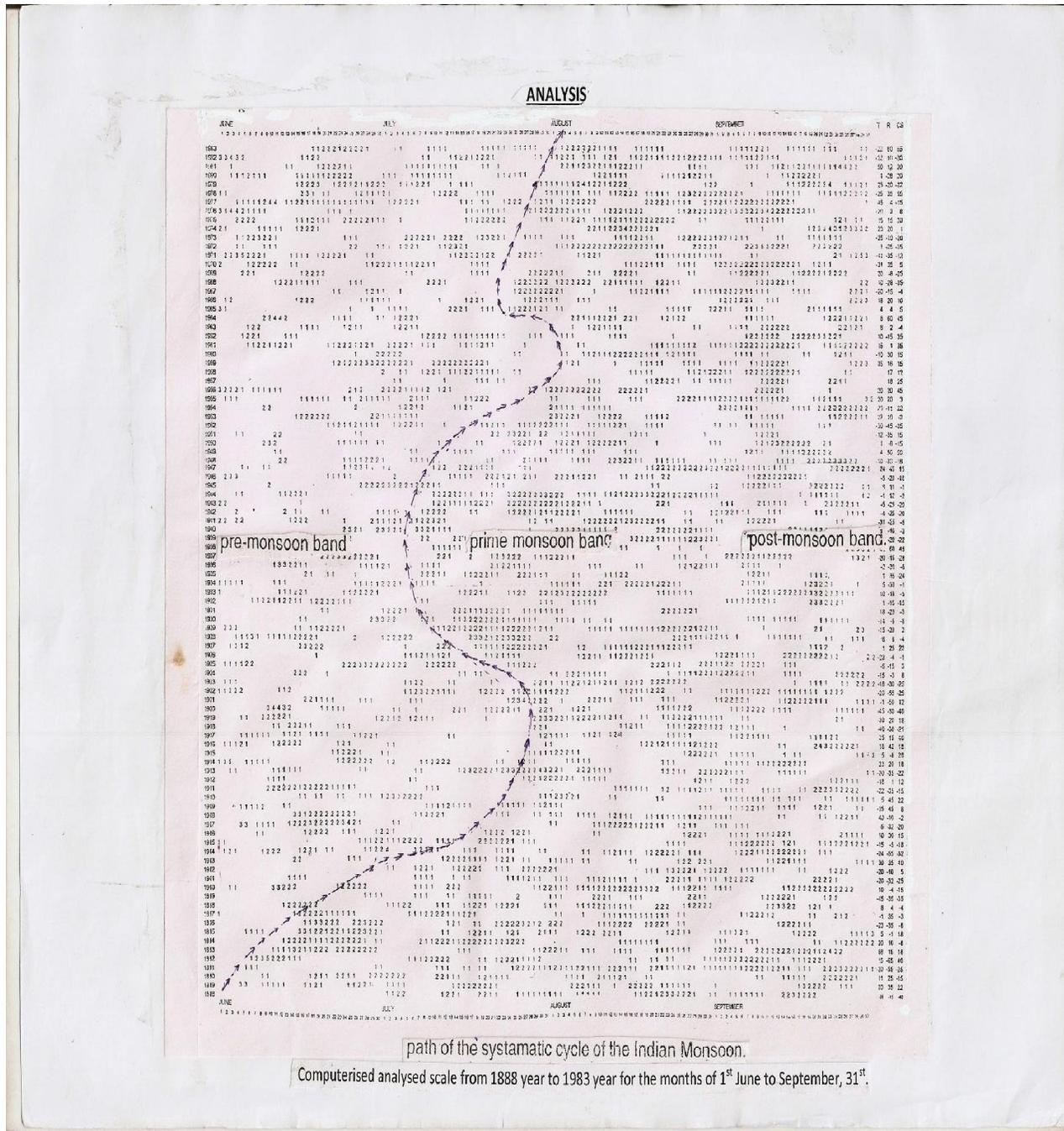
THE ITCZ SET

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path of the systematic cycle of the Indian Monsoon.

Computerised analysed scale from 1888 year to 1983 year for the months of 1st June to September, 31st.