

Weekly Weather Summery

15 -21 June 2021

1. Rainfall

Weak southwest monsoon conditions were prevailed over the Island during this week. Except 15th and 16th June, mainly fair weather was prevailed over the Island throughout the week. However, a few showers were reported from Southwestern and Northwestern areas the above-mentioned dates.

Scattered light showers had been reported from hydro catchment stations on 15th June. A few showers had been reported on 16th as well as 19th June. However, except of a few showers all most fair weather had been reported from hydro catchment throughout the week.

Highest daily (24 hour) rainfall, 21.9 mm was reported from Monaragala automated rain gauge on 21st June. Highest weekly total rainfall, 23.2 mm was reported from Moraliyoa (Rathnapura district) during this week.

Figure 1, represents total rainfall during this week and Figure 2, reported daily highest rainfall, daily maximum and minimum temperatures during this week respectively. Table 1, represents weekly total rainfall at main meteorological stations, catchment areas and reported highest weekly total rainfall at some rainfall stations.

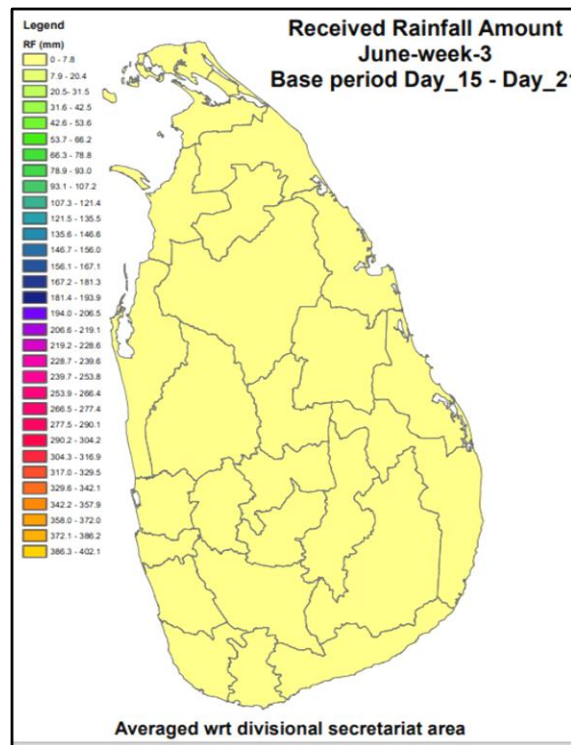


Figure 1: Total rainfall (mm) during the week

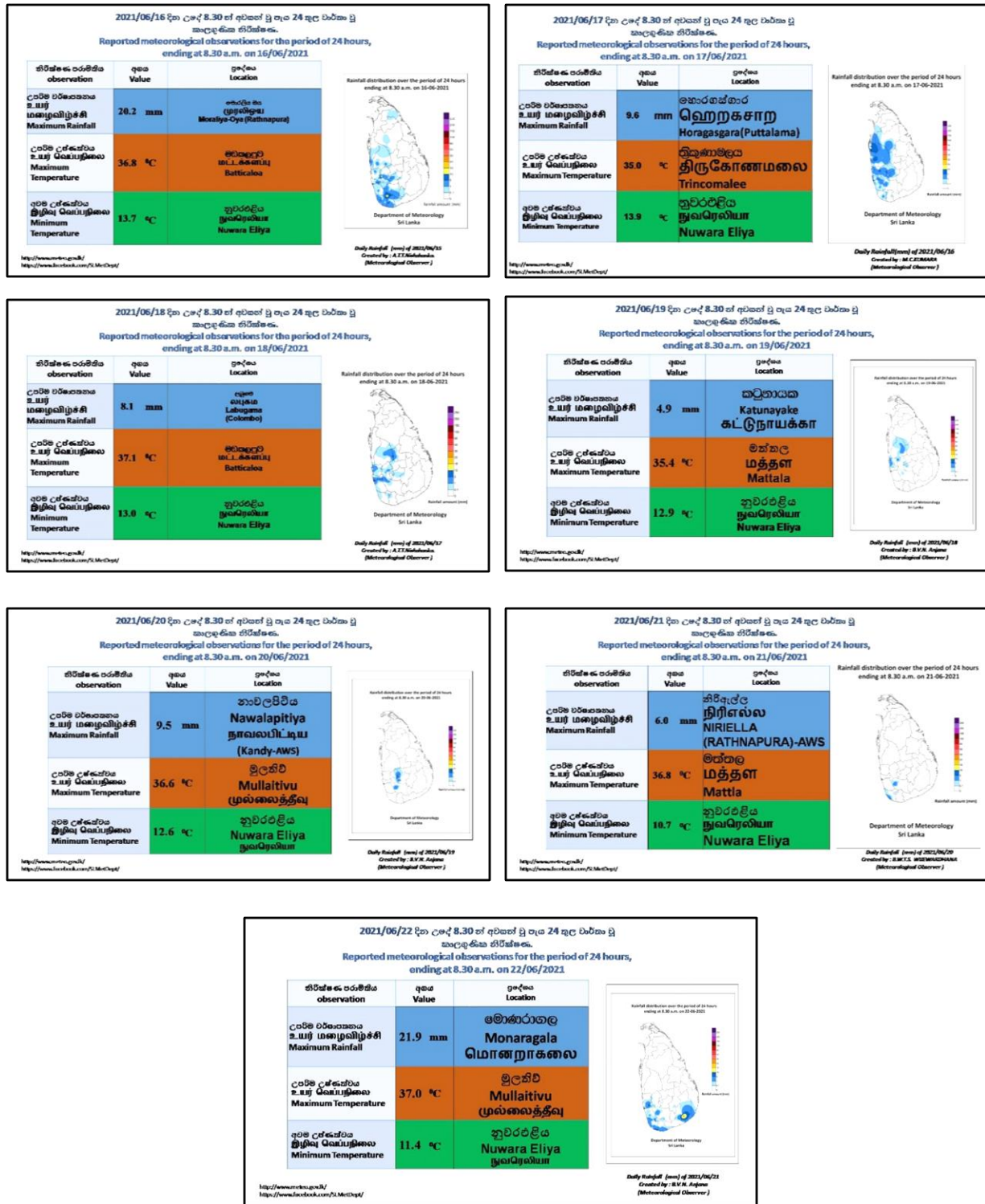


Figure 2. Daily Rainfall (mm) and maximum and minimum temperatures (°C) during the week.

Main Meteorological Stations	Rainfall (mm)
Anuradhapura	0.7
Badulla	0.0
Bandarawela	0.5
Batticaloa	0.0
Colombo	4.0
Galle	1.1
Hambanthota	0.0
Jaffna	0.0
Monaragala	21.9
Katugasthota	0.0
Katunayake	9.0
Kurunagala	4.6
MahaIlluppallama	5.5
Mannar	0.0
Polonnaruwa	0.0
Nuwara Eliya	0.1
Pothuvil	0.0
Puttalam	9.8
Rathmalana	5.9
Rathnapura	2.2
Trincomalee	0.0
Vavuniya	0.0
Mattala	0.0

Hydro-Catchment Areas	
Station	Rainfall (mm)
Castlereigh	2.5
Norton	14.9
Maussakele	0.0
Canyon	0.0
Lakshapana	13.9
Upper Kotmale	3.0
Kotmale	4.5
Victoriya	0.0
Randenigala	0.0
Rantambe	0.0
Bowatenna	0.0
Ukuwela	0.0
Samanala Wawa	0.0
Kukuleganaga	5.0
Maskeliya	0.0

Rain Gauge Stations	
Station	Rainfall (mm)
Moralioya	23.2
Padukka Estate	19.1
Pasyala	9.7
Labugama	9.6
Hiniduma	9.4
Nittambuwa	7.6
Baddegama	6.8
Mapalana	6.1
Batuwangala	6.1
Ketendola	6.1

Table 1: Total weekly Rainfall (mm) at Main Meteorological stations, Hydro- catchment areas and some rain gauge stations during the week.

2. Temperature

2.1 Maximum temperature

The highest day time (maximum) temperature, 37.5 °C was reported from Batticaloa on 16th June (Fig 3.a). Nuwara Eliya was reported its highest maximum temperature 22.4°C, on 16th.

Except of a few stations, above normal maximum temperatures had been reported at many meteorological stations during this week (Fig 3.b). Weekly highest positive anomaly of maximum temperature, 4.1°C reported at Batticaloa on 16th and weekly lowest negative anomaly of maximum temperature, 1.7°C at Vavuniya on 16th June.

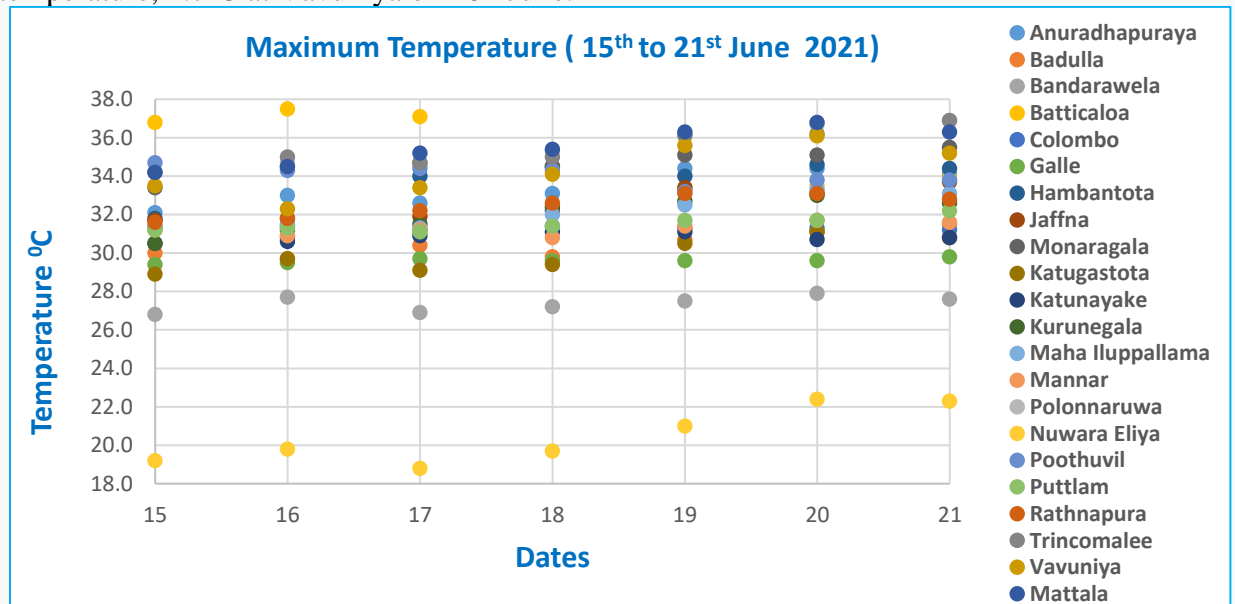


Fig 3.a: maximum temperature

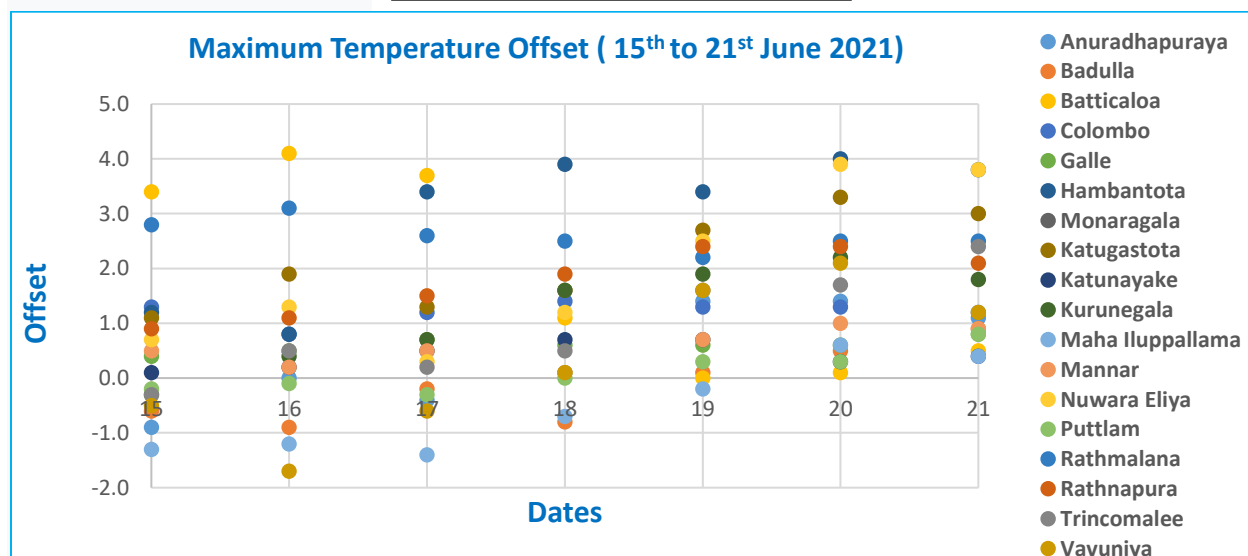


Fig 3.b: maximum temperature anomaly

Figure 3. Maximum temperatures (°C) and anomalies (°C) during the week

2.2 Minimum temperature

The weekly lowest minimum temperature, 10.7 °C was reported as usual from Nuwara-Eliya station on 21st June. The weekly highest minimum temperature 28.4 °C, was reported at Rathmalana on 21st as well (Fig 4.a). Except of a few stations, above normal minimum temperatures had been reported from all most all main Meteorological stations throughout the week. Highest positive anomaly of minimum temperature 3.5 °C was reported at Rathmalana (Fig 4.b) on 21st June. Lowest negative anomaly of minimum temperature, 2.4 °C was reported at Badulla station on 20th.

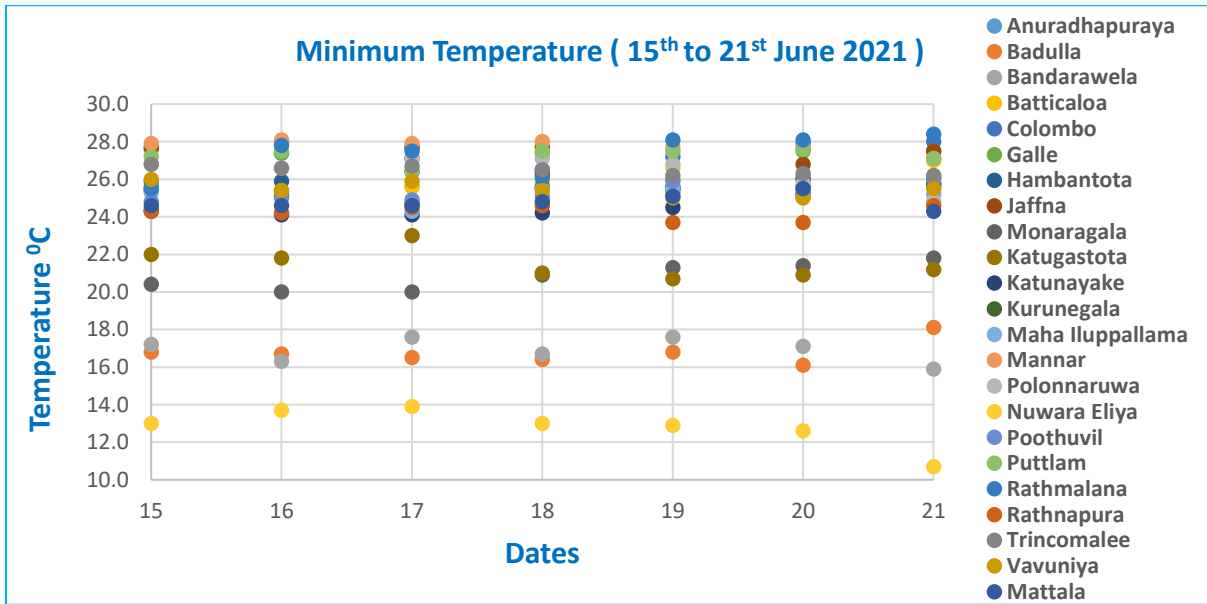


Fig 4.a: minimum temperature

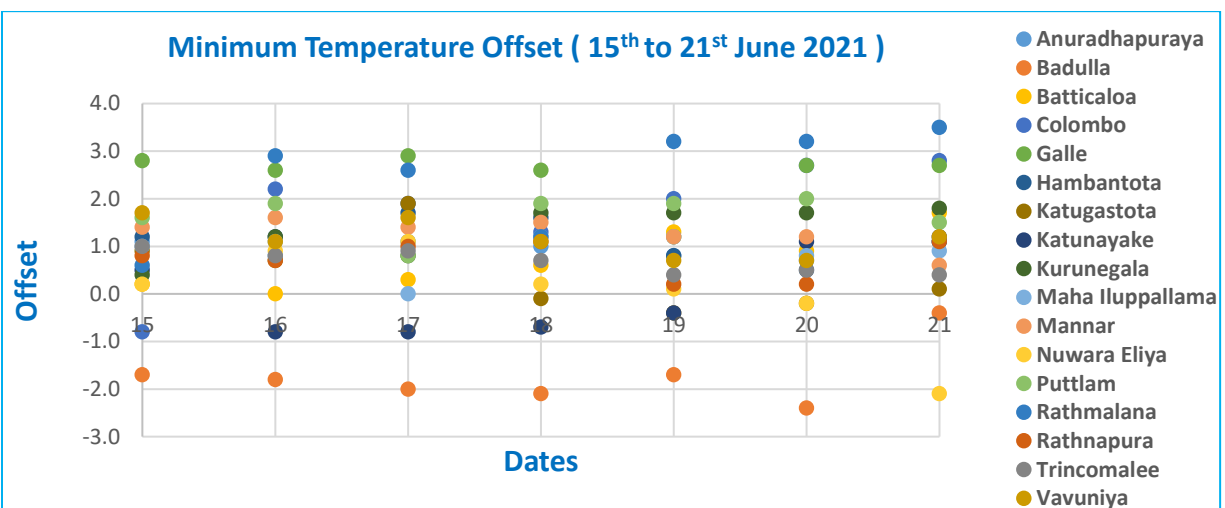


Fig 4.b: anomaly of minimum temperature

Figure 4. Minimum temperatures (°C) and anomalies (°C) during the week

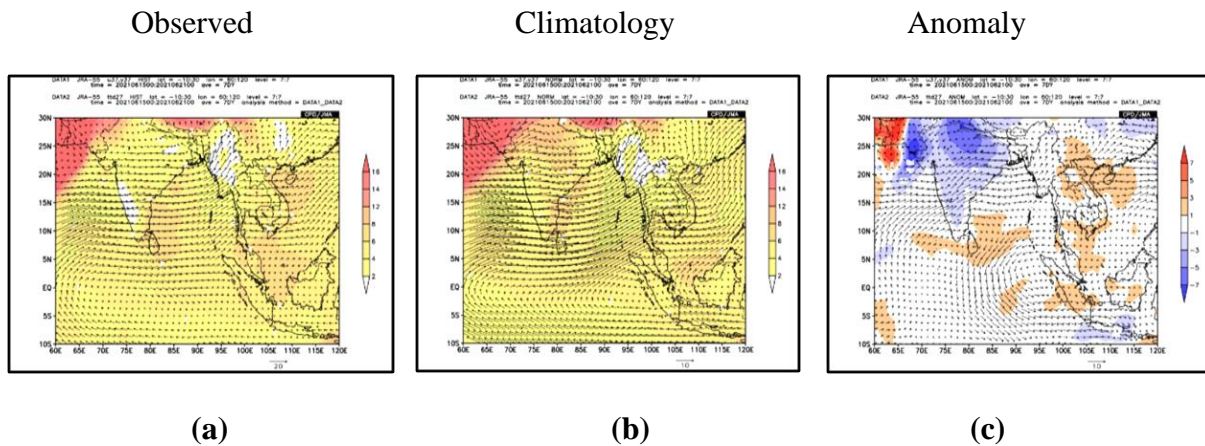
3. Wind

Light or light to moderate, Southwesterly to westerly surface winds were prevailed over the Island during this week.

Upper winds at 850hPa:

Strong westerly slightly dry winds over Sri Lanka till 19th June and it had been changed as dry, North-westerly and moderate.

Northwesterly to westerly weekly average observed winds were prevailed over the island (Figure 5.a) at 850hpa during this week. Northwesterly, climatological (Figure 5.b) winds are prevailed over the Island during this week. Northeasterly or variable, wind anomaly (Figure 5.c) was prevailed at 850hpa and it was slightly dry over Southern half of this country.

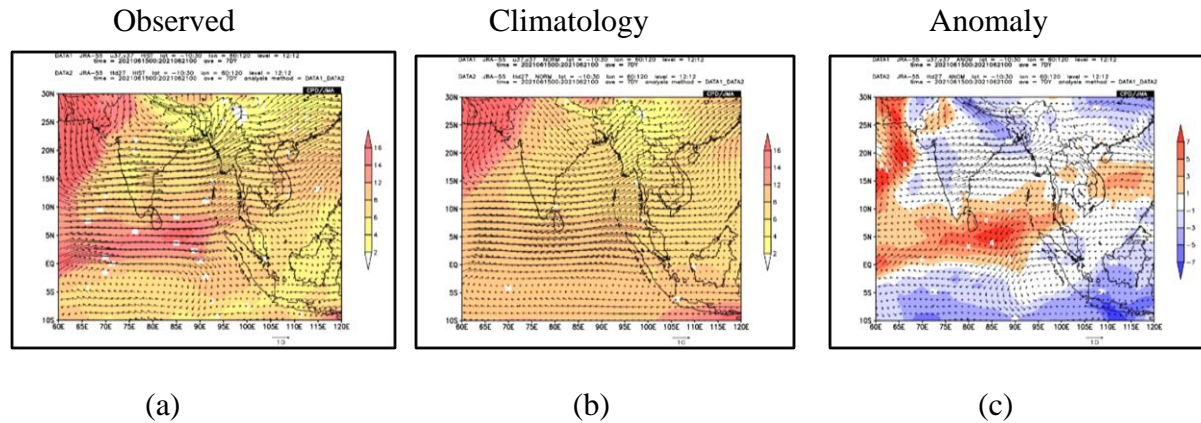


***Figure 5: wind pattern with dewpoint departures at 850hpa**

Upper winds at 700hPa:

Strong, Northwesterly to westerly, dry winds were prevailed over the Island till 17th June. Wind speed had been decreased as moderate over the country at 700 hpa during the next few days.

Westerly dry weekly averaged observed winds were prevailed over the country during this week (Figure 6.a). Northwesterly dry climatological (Figure 6.b) winds are prevailed at 700hPa level during this week. Variable, dry wind anomaly (Figure 6.c) was prevailed over the country at 700hpa during this week.

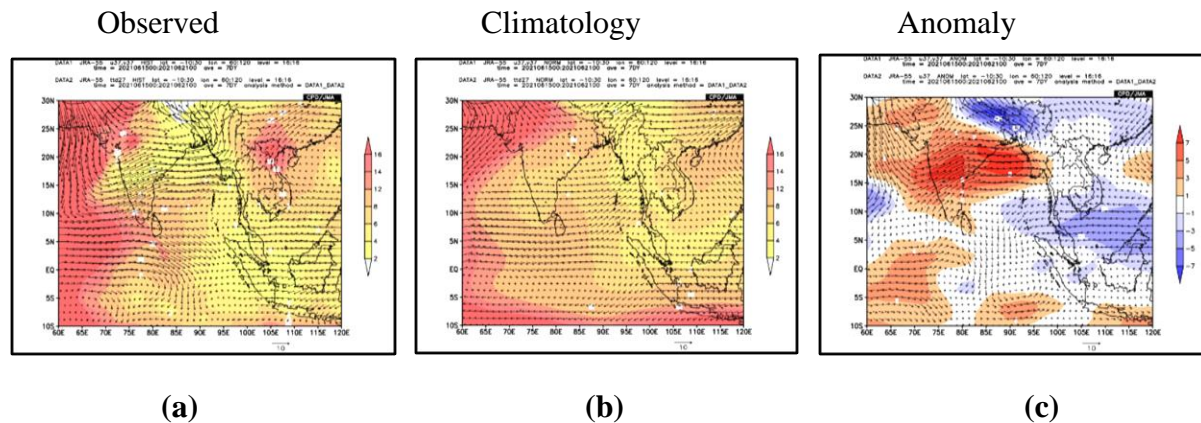


***Figure 6: wind pattern with dewpoint departures at 700hpa**

Upper winds at 500hPa:

Light or light to moderate, dry winds over the country till 18th June and it had been changed as light variable during the next few days. However, it was Northeasterly and moderate during the last two days of this week.

Northwesterly, dry weekly average observed (Figure 7.a) winds were over the island during this week at 500hpa. The climatological wind pattern is Westerly and dry (Figure 7.b) too. However, Northwesterly or variable, slight dry wind anomaly (Figure 7.c) was prevailed over the country at 500hpa during this week.



***Figure 7: wind pattern with dewpoint departures at 500hpa**

Remarks: *Figure 5, 6 & 7: source “ITACS”-products of Japan Meteorological Agency
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Rainfall (mm)	Winds (knots)	Pressure distribution (hpa)	Pressure gradient (hpa)
Light : 00-12.5	Light :00-05	Even :0.0-0.4	Mild : 1.0-1.9
Light to moderate: 12.5-25.0	Light to moderate :05-10	Fairly even: 0.5-0.9	Moderate : 2.0-2.9
Moderate : 25.0-50.0	Moderate :10-15		Steep : 3.0-3.9
Fairly heavy : 50.0-100.0	Fresh :15-20		Very steep :4.0-4.9
Heavy : 100.0-150.0	Strong :20-30		
Very heavy : 150 and over	Very strong :30 and over		