

Weekly Weather Summary

22-28 May 2019

1. Rainfall

Rainfalls were reported from almost all the provinces barring larger parts of the North-Western province where there were no significant rainfalls reported. Higher amount of rainfalls was reported from Kaluthara, Galle, Matara and Nuwara-Eliya districts. Isolated thundershowers were reported from Polonnaruwa, Ampara and Mullativu districts as well. Pressure gradient between Colombo and Trincomalee was below 2.0hPa and the criteria for the onset was not fulfilled during this period.

Highest daily rainfall for this week's period was reported from Kaudulla in the Polonnaruwa district with a rainfall amount of 84.0 mm on 23 of May.

Hydro-catchment areas also received light to moderate amounts of rainfalls during this period with Kukuleganga receiving 56.0 mm of accumulated rainfall during this week period.

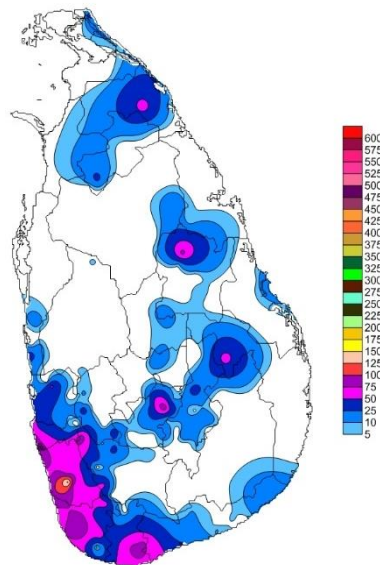


Figure 1: Total rainfall (mm) during the week

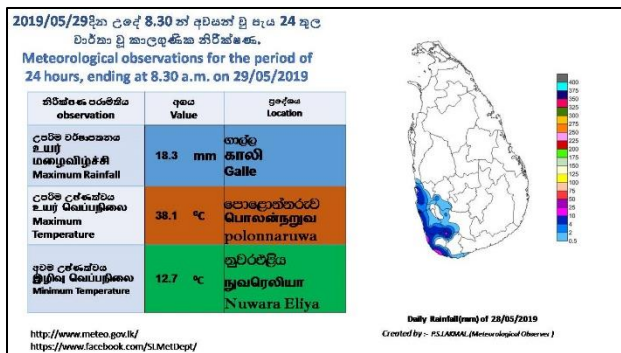
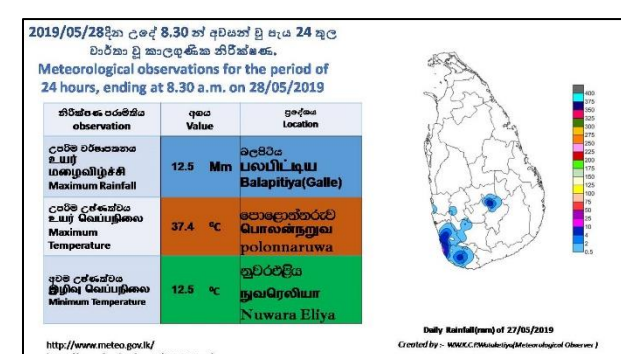
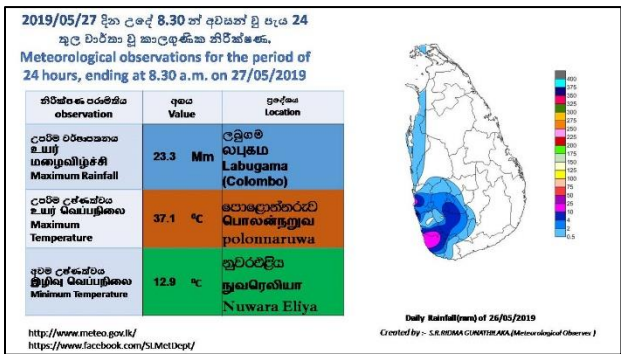
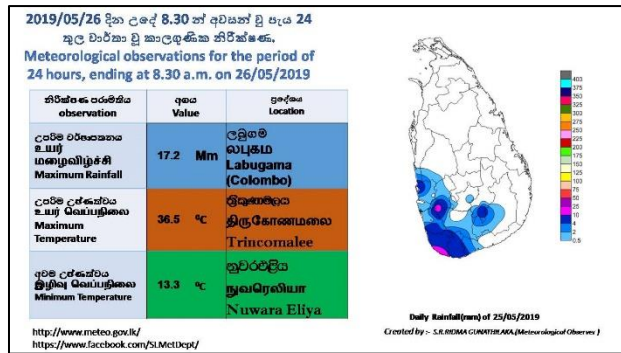
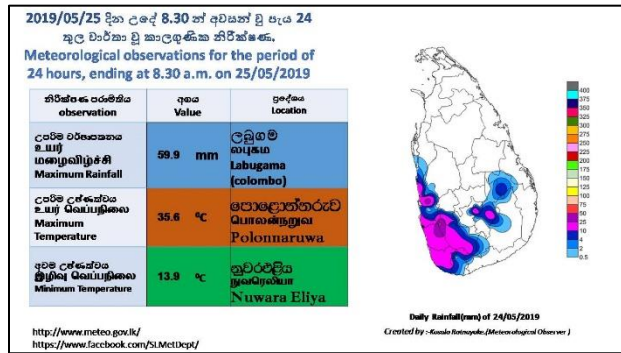
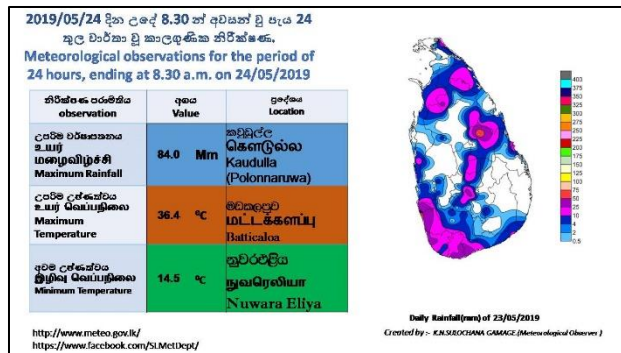
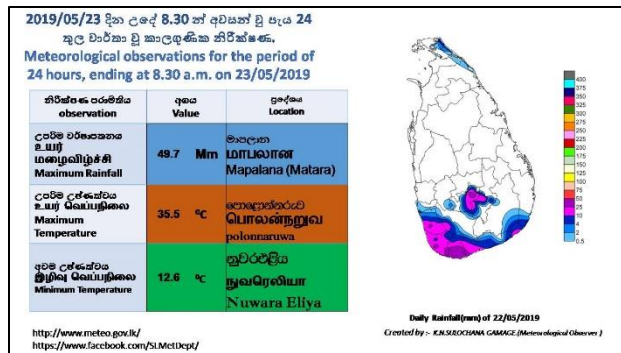


Figure 2. Daily Rainfall (mm) and maximum and minimum temperatures ($^{\circ}$ C) during the week

Main Meteorological Stations	Rainfall (mm)
Anuradhapura	0.0
Badulla	18.6
Bandarawela	7.9
Batticaloa	0.0
Colombo	57.1
Galle	55.5
Hambanthota	12.6
Jaffna	0.0
Monaragala	0.0
Katugasthota	0.0
Katunayake	26.6
Kurunagala	0.6
Maha Illuppallama	0.0
Mannar	0.0
Polonnaruwa	10.0
Nuwara Eliya	22.4
Pothuvil	0.0
Puttalam	0.0
Rathmalana	107.2
Rathnapura	19.8
Trincomalee	0.0
Vavuniya	1.3
Mattla	6.0

Hydro-Catchment Areas	
Station	Rainfall (mm)
Castlereigh	4.4
Norton	8.1
Maussakele	0.5
Canyon	4.9
Lakshapana	16.4
Upper Kotmale	17.7
Kotmale	1.5
Victoriya	1.6
Randenigala	8.5
Rantambe	1.3
Bowatenna	0.0
Ukuwela	0.0
Samanala Wawa	2.0
Kukuleganaga	56.0
Maskeliya	0.0
Neboda	7.4

Table-01 Total Rainfall (mm) at Main Meteorological stations and hydro catchment areas during the week.

2. Temperature

The highest day time (maximum) temperature, 38.1 °C was reported from Polonnaruwa main meteorological station on 28 May and the lowest minimum temperature was 12.5 °C reported at Nuwara-Eliya station on 27 May.

Day time temperatures of almost all the stations were mostly above normal during the week with most places around (2-3)⁰C above the normal and in some places around (3-4)⁰C above normal towards the latter part of the week.

Night time (Minimum) temperatures for almost all stations were also above normal during the week and in most places, it was around (2-3)⁰C above normal. There were some places where the temperature was around (3-4)⁰C above normal as well.

3. Wind

Surface wind was mostly south-westerly to westerly throughout the weeks period with the maximum wind of 20 kts recorded from Mannar meteorological station. Surface winds were stronger than the usual winds during this period.

Upper winds at 850hPa:

Wind direction over 850 hPa pressure level was mostly westerly to south-westerly although climatologically the winds generally have been westerly during this period but the wind speeds observed were slightly lesser than what is expected during this period.

Observed

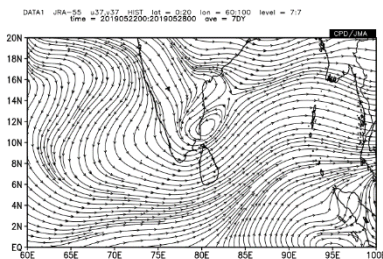


Figure 3.1

Climatology

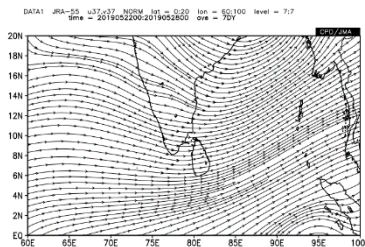


Figure 3.2

Anomaly

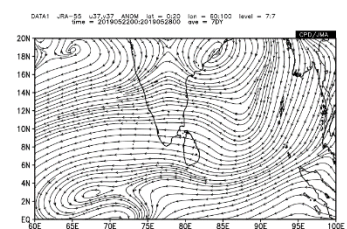


Figure 3.3

Upper winds at 700hPa:

Winds at 700hPa level were North-easterly and a trough axis persisted along Sri Lanka during the weeks period. Climatologically the winds are north-westerly during this period. The anticyclonic cell over India and the Arabian sea suppressed trough axis from moving northwards.

Observed

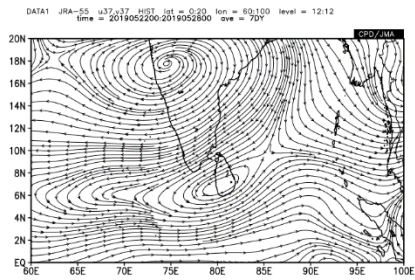


Figure 4.1

Climatology

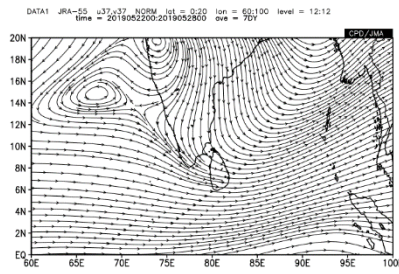


Figure 4.2

Anomaly

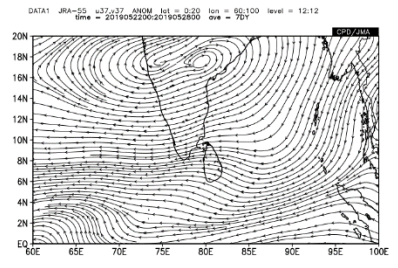


Figure 4.3