

Weekly Weather Summery

15-21 May 2019

1. Rainfall

Convective activity continued during third week of the month of May and a low level atmospheric disturbance to the west of Sri Lanka enhanced the showery condition at the end of the week with a significant amount of rainfalls in southwestern part of the country. Moderate amount of rainfalls reported from some parts of Northcentral and Uva provinces and in Vavniya district while less amount of rainfall in other parts of Northern and eastern provinces and in Puttlam district during the week.

Weekly total rainfall was in the range of 100-250 mm at Bandaragama, Weweltalawa, Pasyala, Mathugama, Moraliyoa, Dehiwala, Bentotawatte, Vogan Estate and Guruluwana areas.

The highest daily recorded rainfall was 134.8 mm, reported at Dehiwala in Colombo district on 21st of May.

Figure 1 illustrates weekly total rainfall distribution while figure 2 shows daily rainfall distributions.

TOTAL RAINFALL FROM 2019.05.15 TO 2019.05.21

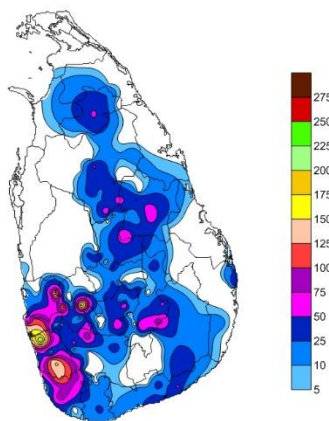


Figure 1: Total rainfall (mm) during the week

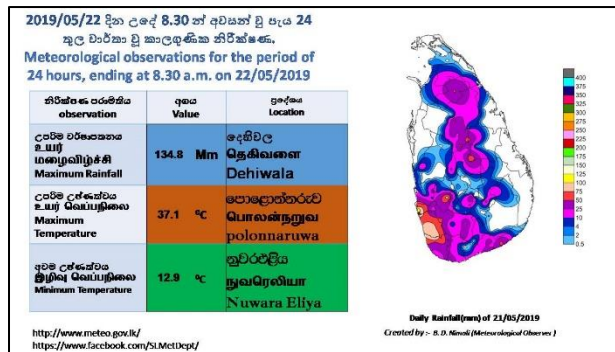
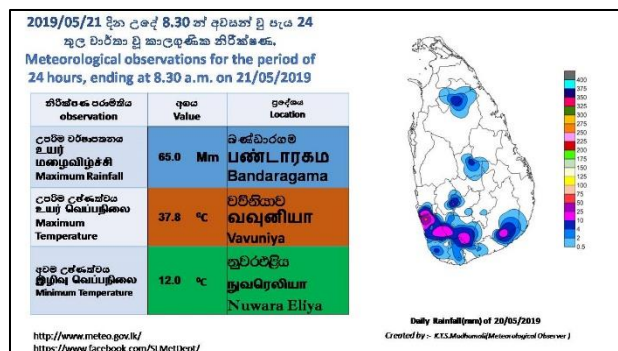
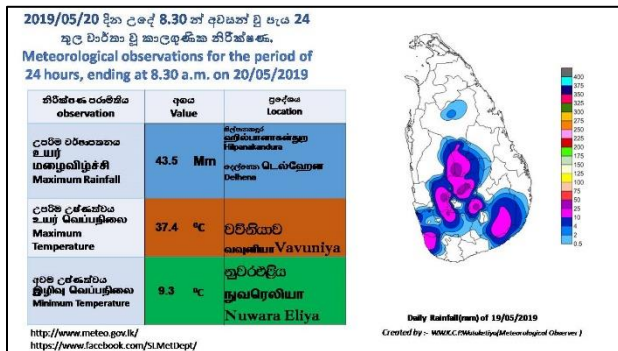
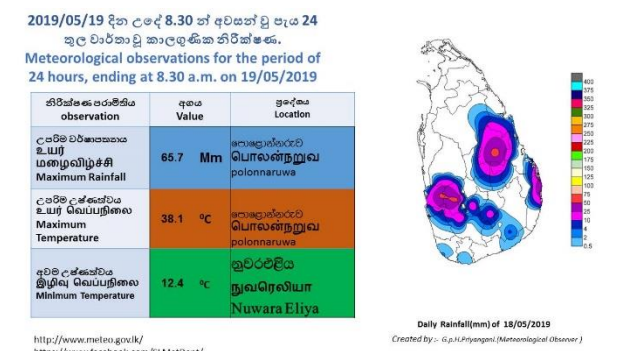
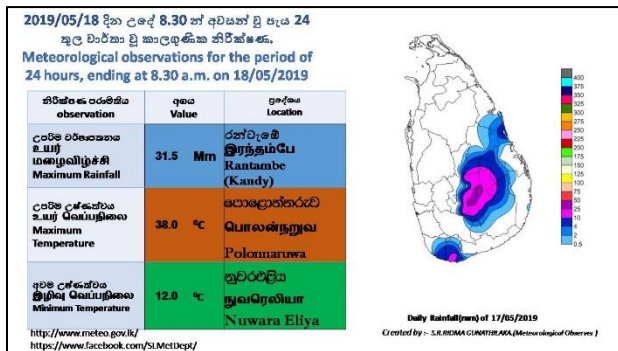
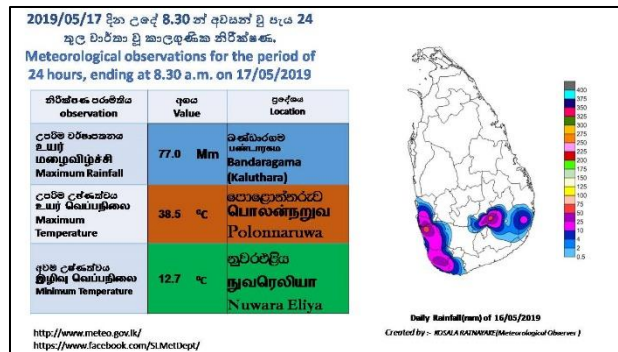
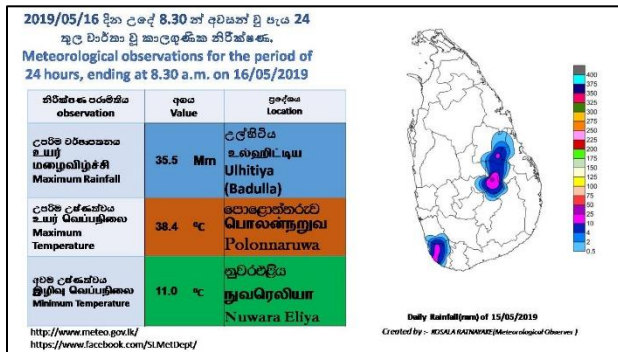


Figure 2: Daily Meteorological observations

Main Meteorological Stations	Rainfall (mm)
Anuradhapura	3.9
Badulla	36.5
Bandarawela	62.2
Batticaloa	0.0
Colombo	43.2
Galle	27.2
Hambanthota	37.2
Jaffna	0.0
Monaragala	47.7
Katugasthota	17.3
Katunayake	15.2
Kurunagala	0.2
Maha Illuppallama	35.2
Mannar	0.0
Polonnaruwa	66.6
Nuwara Eliya	35.2
Pothuvil	0.8
Puttalam	0.0
Rathmalana	77.5
Rathnapura	34.8
Trincomalee	0.0
Vavuniya	46.4
Mattla	35.5

Hydro-Catchment Areas	
Station	Rainfall (mm)
Castlereigh	3.4
Norton	5.8
Maussakele	2.0
Canyon	13.9
Lakshapana	8.8
Upper Kotmale	40.3
Kotmale	9.7
Victoriya	35.5
Randenigala	28.4
Rantambe	35.3
Bowatenna	27.7
Ukuwela	24.2
Samanala Wawa	22.0
Kukuleganaga	66.0
Maskeliya	6.5

Other Rainfall Stations	
Station	Rainfall (mm)
Bandaragama	230.5
Weweltalawa	191.3
Pasyala	165.1
Mathugama	155.9
Moralioya	138.0
Dehiwala	134.8
Bentotawatte	129.7
Vogan Estate	127.4
Guruluwana	102.2
Baddegama	97.7

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

2. Temperature

The highest day time (maximum) temperature values were reported at Polonnaruva during the week except 19th and 20th where it was reported from Vavuniya main meteorological station. Highest value of maximum temperature values was 38.5 °C reported on 16th of May from Polonnaruva and the lowest minimum temperature were reported from Nuwara-Eliya station during the week and lowest value recorded as 9.3 °C reported on 19th of May .

Day time temperatures was mostly above normal in Vavuniya during the week and it was around 4⁰C above normal on 15th , 17th ,19th ,20th in Vavuniya and also 19th April in Katugasthota and Rathmalana too. It was predominantly above or about normal elsewhere during the week.

Minimum temperatures were predominantly above normal during the week over most parts of the island except Nuwara-Eliya where were 3⁰C below normal at 19th May and 2⁰C below normal at 15th and 21st May. It was around 3⁰C degrees above normal at Galle on 19th and 20th of May.

3. Wind

Surface wind was South-westerly in direction during the week and speed was (05-40) kmph in the first four days and reduced to 20 kmph/ 30kmph in last three days.

Upper winds at 850hPa:

Wind direction over 850 hPa pressure level was westerly in direction and the speed was less strong than the climatology. There was Anti-cyclonic circulation in Arabian Sea area and cyclonic circulation was in Bay of Bengal in the wind anomaly (Figure 3.2, 3.2 and 3.3).

Observed

Climatology

Anomaly

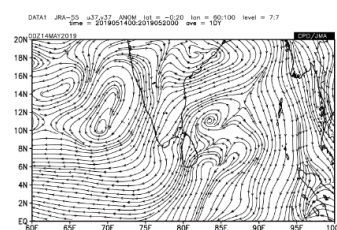
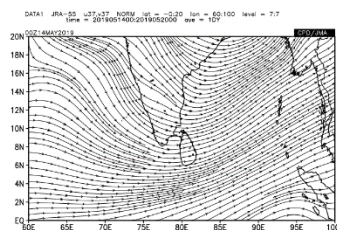
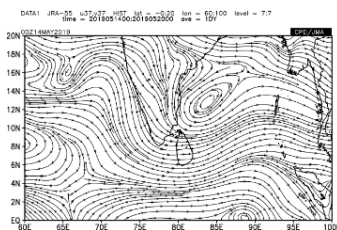


Fig 3.1; Observed
Wind pattern

Fig 3.2; Climatology

Fig 3.3; Anomal

Upper winds at 700hPa:

Winds over 700 hPa level were easterly to North-easterly in direction. There was North-easterly wind anomaly over the country and the speed was less strong than the climatology (Fig 4.1, 4.2 and 4.3).

Observed

Climatology

Anomaly

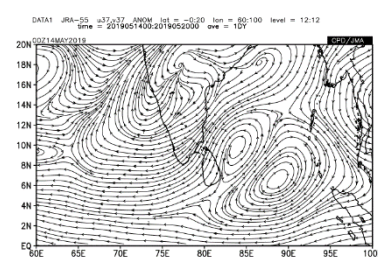
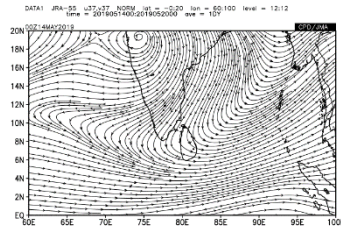
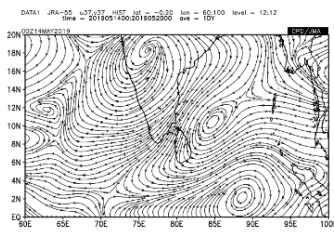


Fig 4.1; Observed
Wind pattern

Fig 4.2; Climatology

Fig 4.3; Anomaly

5. Special notes

During the week the thunder and lightning activities were high in the country particularly in the evenings. It was reported property damages due to lightning in Karapitiya Hospital in the last day of the week.