

Weekly Weather Summery

8-14 November 2019

1. Rainfall

Inter-monsoon conditions were prevailed over the country and widespread evening thundershowers were the most significant factor for rainfall. This was relatively a wet week and generally wide spread rain was recorded particularly over the North-eastern parts and in South-western parts. In particular, a slight dry weather was experienced in some parts of Anuradhapura, Kurunegala, Puttalam, Mannar, Vavuniya, Mullaitivu and Badulla districts. Thundershowers fell over the south-western parts between afternoon and night and it brought fairly heavy to heavy showers particularly on 10th.

Showery condition in the South-western part of country has enhanced specially on 10th and significant amount of rainfalls were received at many places in Sabaragamuwa, Southern and Uva provinces including fairly heavy to heavy rainfalls at some isolated places. Presence of enough moisture with light wind enhanced the convective activities over the country.

A minor scale landslide was reported at Haldummulla area in Badulla district on 08th. According to the DMC records some families at a few places in Kandy and Kegalle districts were affected by heavy rains during the week and 258 people were also affected by heavy rain in Hambantota district on 09th, 10th and 11th. 47 people were affected by severe thunder activities in Yatiyantota on 10th.

The highest daily recorded rainfall of 121.5mm was recorded at Dehiowita Divisional Secretariat office in Kegalle district on 11th and the highest weekly total amount of 263.6 mm was reported at Dethanagala in Ratnapura district during the week.

Hydro-catchment areas in the western slope of the central hills were received much amount of rainfalls during the week with Lakshapana and Kukuleganga those received 108.0mm and 135.0mm respectively. But hydro-catchments in eastern slope of the central hills not received much amount of rainfall.

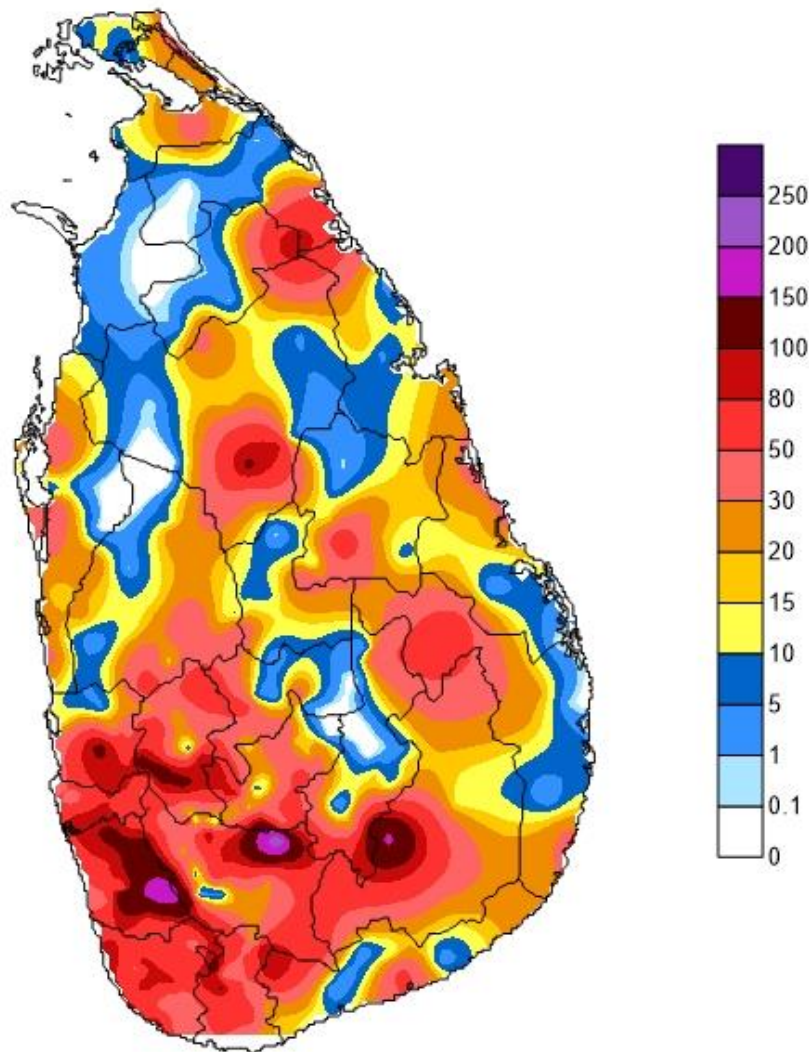


Figure 1: Total rainfall (mm) during the week

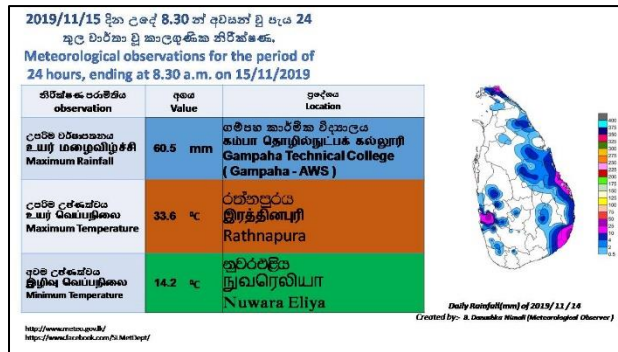
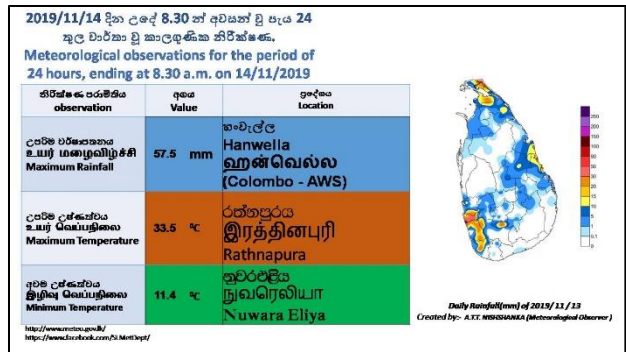
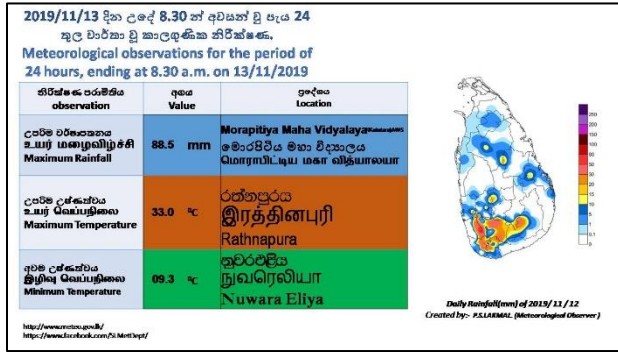
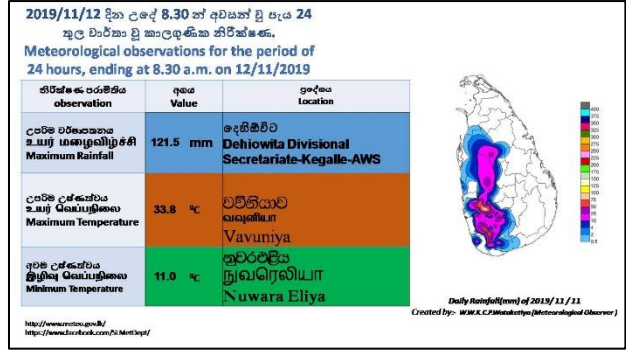
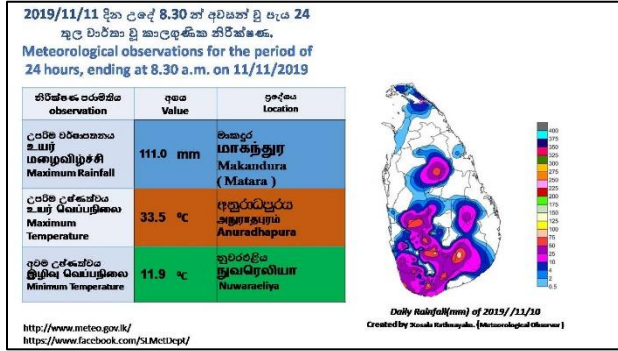
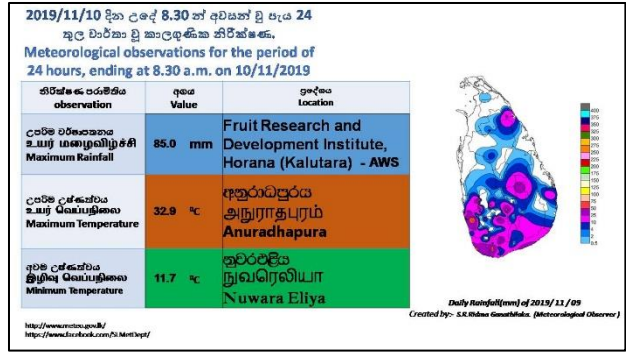
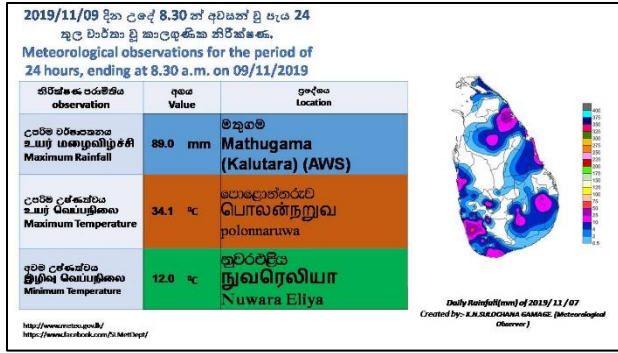


Figure 2. Daily Rainfall (mm) and maximum and minimum temperatures ($^{\circ}$ C) during the week.

Main Meteorological Stations	Rainfall (mm)
Anuradhapura	18.7
Badulla	16.1
Bandarawela	29.3
Batticaloa	21.2
Colombo	54.0
Galle	121.7
Hambanthota	49.4
Jaffna	15.0
Monaragala	28.5
Katugasthota	5.8
Katunayake	12.8
Kurunagala	39.6
MahaIlluppallama	57.1
Mannar	6.5
Polonnaruwa	23.4
Nuwara Eliya	63.6
Pothuvil	12.5
Puttalam	1.5
Rathmalana	39.2
Rathnapura	54.4
Trincomalee	23.7
Vavuniya	0.4
Mattala	10.6

Hydro-Catchment Areas	
Station	Rainfall (mm)
Castlereigh	25.0
Norton	74.9
Maussakele	36.0
Canyon	34.5
Lakshapana	108.0
Upper Kotmale	15.6
Kotmale	12.4
Victoriya	0.0
Randenigala	0.0
Rantambe	0.0
Bowatenna	7.3
Ukuwela	2.2
Samanala Wawa	88.0
Kukuleganaga	135.0
Maskeliya	30.8

Rain Gauge Stations	
Station	Rainfall (mm)
Halwathura Estate	119.5
Monrovia	119.7
Selathalaramaya, Kirindiwela	125.0
Derangala Tea Factory	126.0
Guruluwana	126.7
Alton Estate Factory	127.5
Pimbura Hospital	130.5
Kukuleganga	135.0
Dehiowita Divisional Secretariate	139.5
Atuela	141.0
Mathugama	151.6
Vogan Estate	153.8
Wellawaya	165.4
Morapitiya Maha Vidyalaya	193.0
Detanagalla	263.6

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

2. Temperature

Day time maximum temperatures were mostly above normal over the island during the week. The maximum temperatures were little below normal at Katunayake from 09th to 11th. Maximum temperatures were approximately 04^oC above normal at Vavuniya on 11th. Maximum temperatures were approximately 03^oC above normal at Anuradhapura on 09th, 10th and 12th, at Jaffna and Maha-illuppallama on 10th, at Galle, Puttalam and Katugastota on 13th and 14th, at Trincomalee on 08th and 10th, at Vavuniya on 10th. Other than these the maximum temperatures were little above normal over the country.

The highest day time (maximum) temperature, 34.1^oC was reported at Polonnaruwa on 08th.

Night time Minimum temperatures were mostly above normal at most meteorological stations during the week except few days at Nuwara-Eliya, Katugastota, Trincomalee and Jaffna where a little below normal. Night time Minimum temperature was approximately 02^oC below normal at Nuwara-Eliya on 12th and was approximately 04^oC above normal at Galle on 08th and 03^oC above normal Nuwara-Eliya and Ratmalana on 14th.

The lowest (minimum) temperature 9.3^oC was reported at Nuwara-Eliya main meteorological station on 12th.

3. Wind

Winds at surface level were mostly clam or variable in direction and speeds were (00-10) knots during the week.

Winds at gradient level was south-westerly and speeds were (05-20) Knots during the first three days(8th-10th) and then it was north-easterly with the speeds between 02Knots to 15Knots during next two days(11th-12th). During last two days of the week winds at gradient level was variable in direction with the speeds of (05-10) Knots.

Winds at 850hPa were mostly north-easterly and wind speeds were (05-15) Knots. When considering of the climatological average wind pattern at 850hPa level, an anti-clockwise circulation prevails to the east of the island, an east-west trough axis

over the island and also the winds were flowed from the Pacific Ocean through the Bay of Bengal sea area to the island with more moisture. Winds from the northern part of the Indian sub-continent along the north-west Bay of Bengal sea areas. Therefore the moisture condition over the northern part of the island was relatively low during the week and also South-easterly wind anomaly over the country was seen during the week.

Winds at 700hPa level were north-easterly during the week and speeds were (05-15) knots. In here also considering of the climatological average wind pattern, it can be identified an anti-clockwise circulation to the east of the island, an east-west trough axis over the island. The winds were coming across the Bay of Bengal sea area. But during this week the circulation was to the north-east of the island and NE-SW trough axis over the island persists. Northerly to North-easterly winds, relatively low moisture condition and also anti-cyclonic wind anomaly over the country was observed during the week.

Winds at 500hPa level changed the directions from North-easterly to south-easterly, it was North-easterly during 08th and 09th and easterly on 10th. Winds were south-easterly during 11th and 12th and it was easterly during the last two days. Wind speeds were (05-15) knots. When comparing with the climatological wind pattern North-westerly wind anomaly and relatively low moisture condition over the country was observed during the week.

