

Weekly Weather Summery

1-7 April 2019

1. Rainfall

Mainly dry weather prevailed over Northern, North-central, North-western provinces and most parts of Eastern province during the week. Convective activities with moderate amount of rainfalls were reported from Sabaragamuwa, Uva and Central provinces and light to moderate rainfall in Batticaloa district during the week.

The highest daily recorded rainfall was 61.5 mm at Victoria on 05th of April. No rainfall had been reported from most of the main meteorological stations during the week (Table-01)

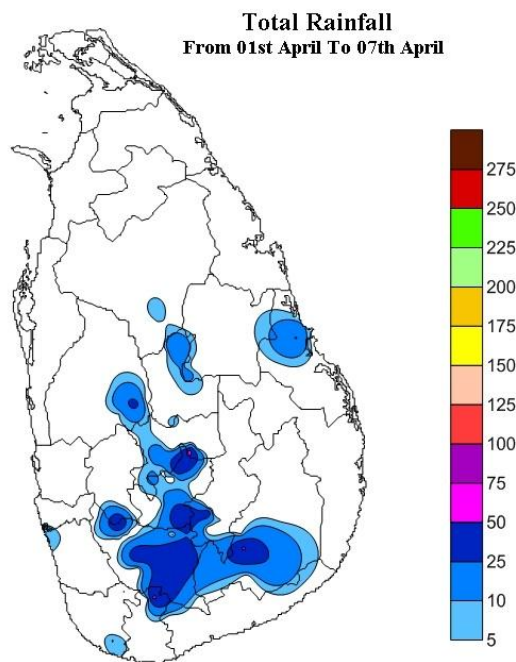


Figure 1: Total rainfall (mm) during the week

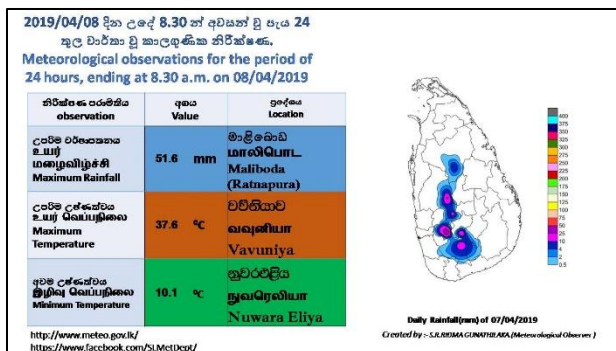
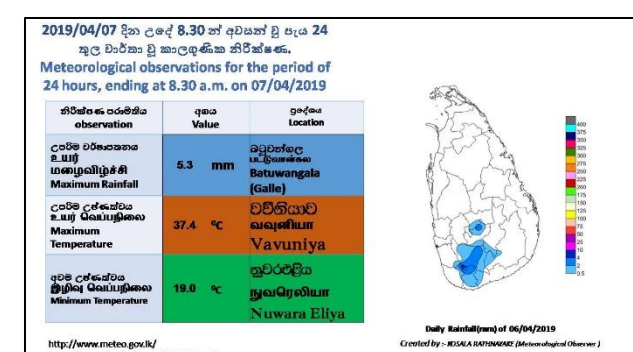
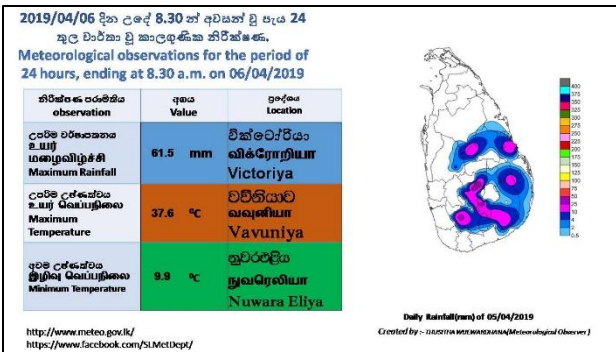
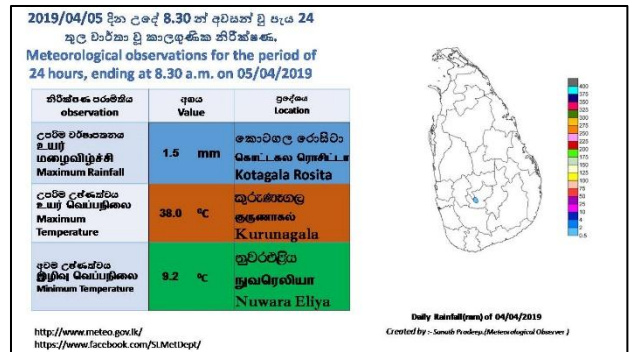
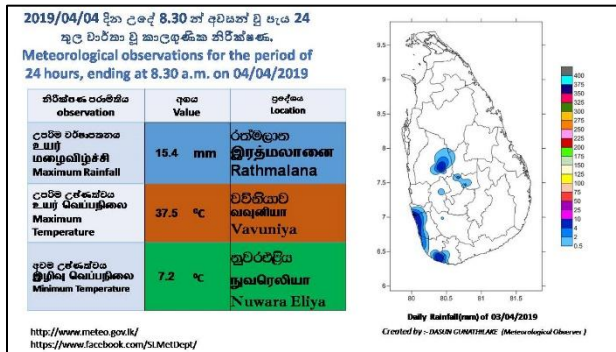
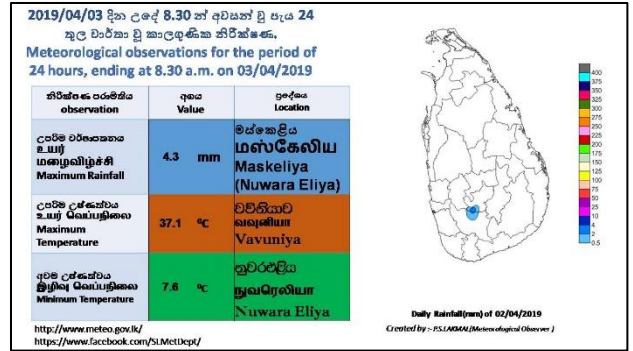
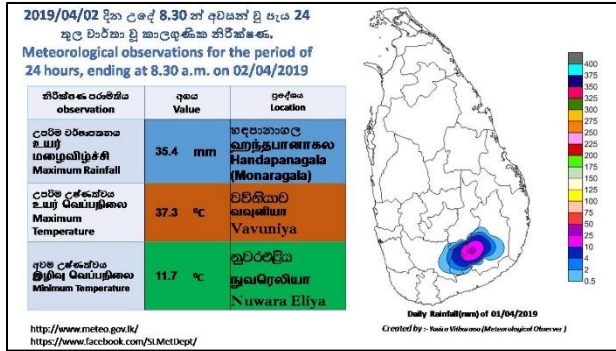


Figure 2. Daily Rainfall (mm) and maximum and minimum temperatures ($^{\circ}$ C) during the week

Main Meteorological Stations	Rainfall (mm)
Anuradhapura	0.8
Badulla	0.0
Bandarawela	6.1
Batticaloa	0.0
Colombo	0.0
Galle	0.0
Hambanthota	0.0
Jaffna	0.0
Monaragala	21.4
Katugasthota	0.0
Katunayake	0.0
Kurunagala	4.8
Maha Illuppallama	1.0
Mannar	0.0
Polonnaruwa	0.0
Nuwara Eliya	12.3
Pothuvil	0.0
Puttalam	0.0
Rathmalana	15.4
Rathnapura	2.6
Trincomalee	0.0
Vavuniya	0.0
Mattla	0.0

Hydro-Catchment Areas	
Station	Rainfall (mm)
Castlereigh	1.9
Norton	1.6
Maussakele	0.0
Canyon	0.0
Lakshapana	0.1
Upper Kotmale	18.2
Kotmale	15.2
Victoriya	61.5
Randenigala	0.0
Rantambe	0.0
Bowatenna	0.0
Ukuwela	3.5
Samanala Wawa	4.0
Kukuleganaga	2.0
Maskeliya	4.3

Rainfall stations	Rainfall (mm)
Deniyaya	55.0
Loolkandura	48.9
Handapanagala	54.0
Batalagoda	32.3
Balangoda	42.0
Karagala	51.6
Niwithigala	44.6

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

2. Temperature

The highest day time (maximum) temperature, 38⁰C, was reported at Kurunegala meteorological station on 04th and the lowest minimum temperature was 7.2⁰C reported at Nuwara-Eliya meteorological station on 03rd.

Day time temperatures were predominantly above normal during the week over most part of the country. It was approximately 5⁰C degrees above the climatological average at meteorological station in Kurunegala on 04th and around 4⁰C degrees above normal at Katugastota on 3rd and at Kurunegala on 03rd and 06th.

Minimum temperatures were predominantly below normal during the week over most Meteorological stations. It was approximately 04⁰C below normal at Nuwara-Eliya during 3-4th , 03⁰C below normal at Badulla on 04th, at Jaffna during 5-6th and at Trincomalee on 01st and 5th.

3. Wind

Surface wind was mostly calm and variable, speed was light to moderate during the week.

Upper winds at 850hPa: Wind direction over 850 hPa level was mostly North-easterly direction and the speed was less stronger than the climatology. There was an east - west oriented trough axis over the island during the week. The wind speed was reported as (05-15) knots during the week

(Figure 3.2, 3.2 and 3.3)

Observed

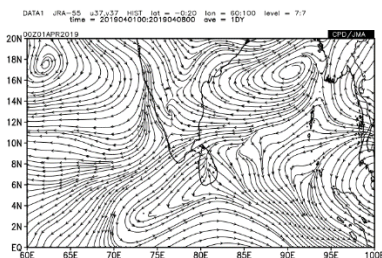


Figure 3.1

Climatology

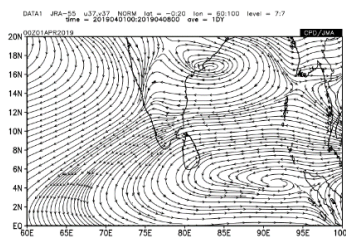


Figure 3.2

Anomaly

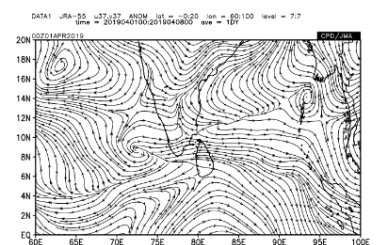


Figure 3.3

Upper winds at 700hPa: Winds over 700hPa level were mostly North-easterly direction and it originated from a high pressure cell over Indian sub-continent causing dry wind flow over Sri Lanka. There was an east - west oriented trough axis over the island during the week. The wind speed was within 10-30 kts. There was a Northeasterly wind anomaly over the country and the speed was less stronger than the climatology (fig 4.1, 4.2 and 4.3).

Observed

Climatology

Anomaly

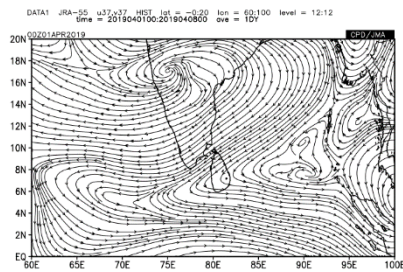


Figure 4.1

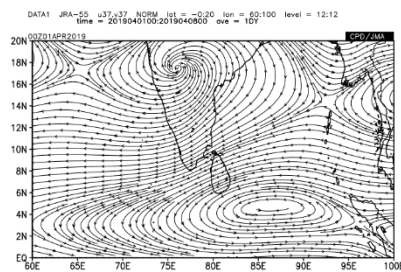


Figure 4.2

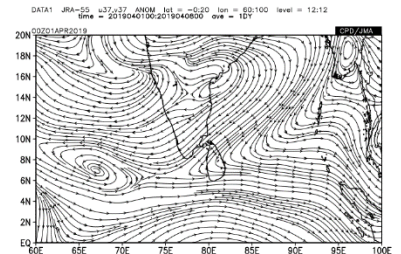


Figure 4.3