

Weekly Weather Summery

8-14 July 2019

1. Rainfall

This was relatively a wet week and generally wide spread rain was recorded. In particular, a slight change in prolonged dry weather in some parts of Northern, Eastern and Uva provinces and also in Polonnaruwa district was experienced. Thunder showers fell over this part between afternoon and night and it brought welcome relief to fire crews battling flames that have destroyed valuable forest in Baddulla and Monaragala District, particularly the Nilgala herbal forest in the Monaragala District from where very valuable medicinal plants are obtained for Ayurvedic treatments. It is said that more than 500 acres of forest cover was burnt down during 6th and 8th (source by DMC). On the other hand the relief services is carried out by the government (DMC) due to prevailing drinking water scarcity in some part of Northern, Northcentral and Eastern provinces.

Showery condition in the South-western part of country has enhanced specially on 9th. Significant amount of rainfalls were received at many places in Sabaragamuwa, Western, Central and Southern provinces during the week including fairly heavy rain falls at some isolated places during 09th. The wet weather was due to the presence of moisture across equatorial flow with wind convergence over the surrounding region.

The highest daily recorded rainfall of 107.5mm was recorded at Ehelakanda tea Factory on 09th and the highest weekly total amount of 167.0 mm were reported at Didenipotha tea Factory, where both in Matara district during the week.

Hydro-catchment areas in western slope of the central hills also received fairly good amount of rainfalls during the week with 152.7 mm of total rainfall at Laksphana.

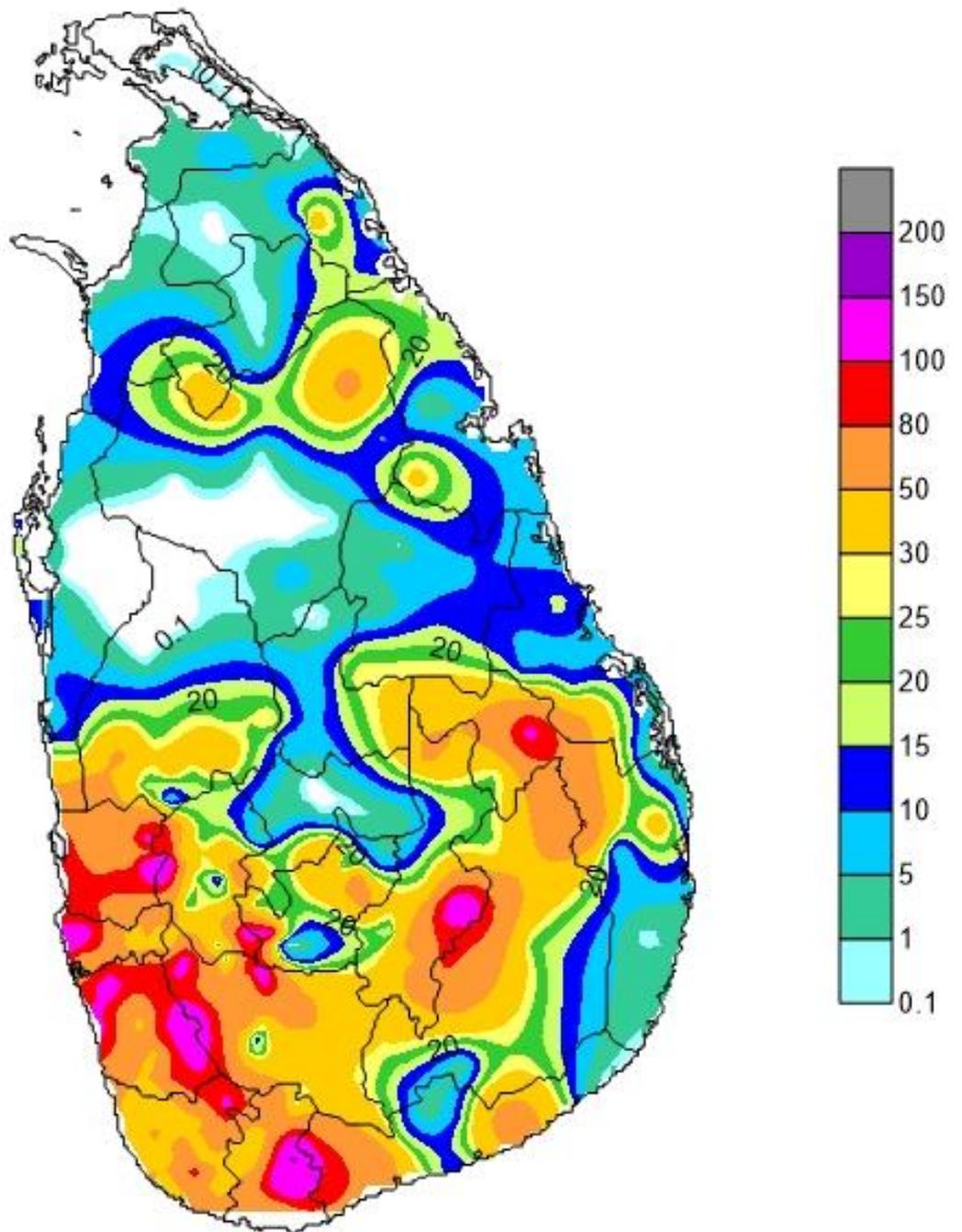


Figure 1: Total rainfall (mm) during the week

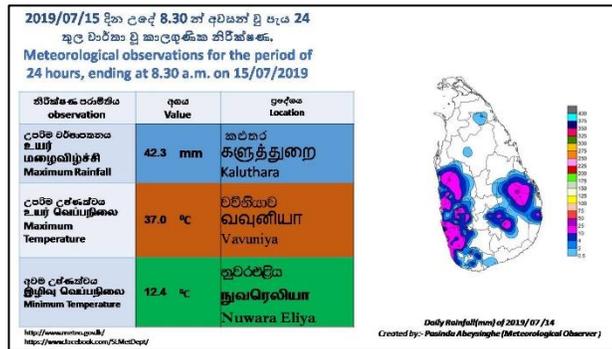
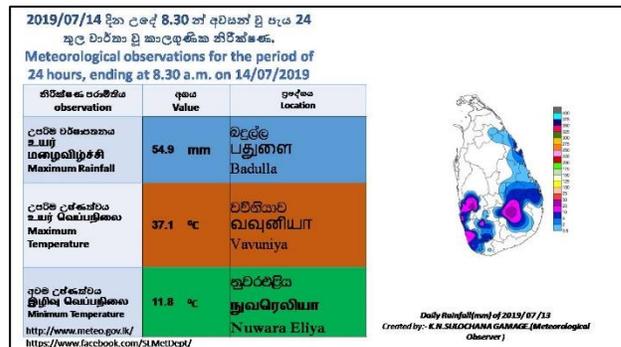
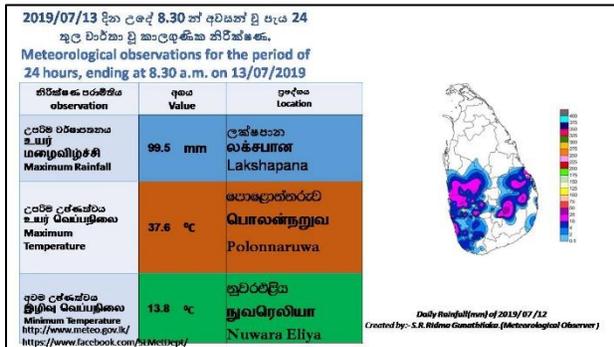
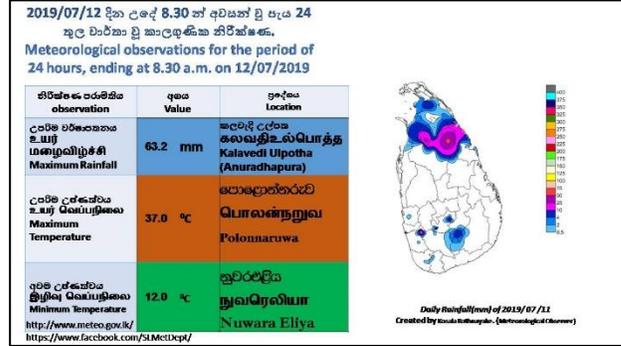
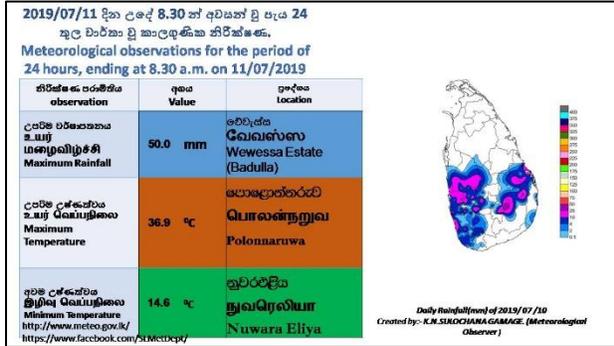
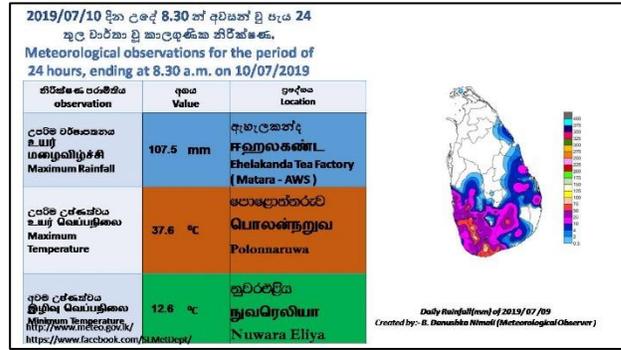
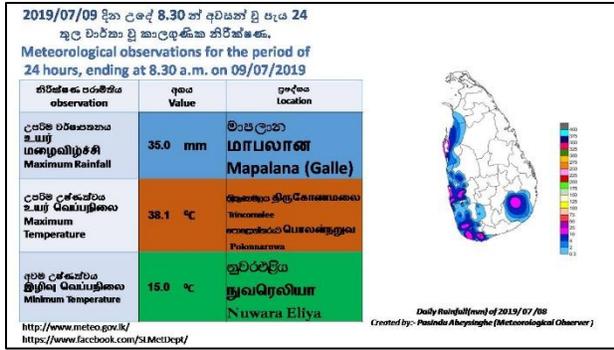


Figure 2. Daily Rainfall (mm) and maximum and minimum temperatures (⁰C) during the week.

Main Meteorological Stations	Rainfall (mm)
Anuradhapura	1.4
Badulla	82.8
Bandarawela	42.8
Batticaloa	9.2
Colombo	128.6
Galle	27.8
Hambanthota	6.2
Jaffna	0.7
Monaragala	24.7
Katugasthota	0.2
Katunayake	91.0
Kurunagala	51.4
Mahalluppallama	0.6
Mannar	0.0
Polonnaruwa	15.4
Nuwara Eliya	34.5
Pothuvil	0.9
Puttalam	0.0
Rathmalana	75.4
Rathnapura	63.2
Trincomalee	21.1
Vavuniya	0.6
Mattala	11.0

Hydro-Catchment Areas	
Station	Rainfall (mm)
Castlereigh	23.0
Norton	38.7
Maussakele	12.0
Canyon	34.5
Lakshapana	152.7
Upper Kotmale	17.6
Kotmale	20.3
Victoriya	2.1
Randenigala	5.7
Rantambe	2.8
Bowatenna	3.7
Ukuwela	0.0
Samanala Wawa	18.5
Kukuleganaga	83.8
Maskeliya	3.4

Rain Gauge Stations	
Station	Rainfall (mm)
Kalutara	121.4
Morapitiya Maha Vidyalaya	121.5
Dehiwala	121.9
Maliboda	123.2
Dunumale Estate	123.5
IPSOTSL (camp)	127.0
Bandaragama	129.5
Ehelakanda Tea Factory	130.0
Land Commissioner's General Department	131.5
Wewessa Estate	139.0
Kudawa	140.0
Mapalana	143.8
Madolthenna Estate	150.5
Laksapana	152.7
Diddenipotha Tea Factory	167.0

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 during the week except at a few meteorological stations on 13th. It was around 05^oC above normal at Katugastota on 12th and at Jaffna on 11th. The maximum temperatures were also around 04^oC above normal at Katugastota and at Nuwara-eliya during some days of the week. This was due to prevailing winds blowing from the southwest that brought in warm and humid air from the sea.

The highest day time (maximum) temperature, 38.1^oC was reported at Trincomalee and at Polonnaruwa main meteorological stations on 08th July.

Night time Minimum temperatures were mostly above normal at most meteorological stations during the week except on 10th. It was over 03^oC above normal at Galle on 08th, 12th and Puttalam on 12th. The lowest (minimum) temperature 11.8^oC was reported at Nuwara-eliya main meteorological station on 14th July.

3. Wind

Winds at surface level were mostly westerly or south-westerly and speeds were 05-15 knots during the first two days and during the last two days. Wind speeds were North-westerly to South-westerly and speeds were 00-15 knots during the rest of the week.

Winds at 850hPa were mostly west-northwesterly to westerly in direction during first five days and it was westerly to south-westerly during the rest of the week. Wind speeds were (10-20) knots. Southeasterly wind anomaly over the country and seasonal east-west oriented trough axis to the south of its seasonal position was seen during the week.

Winds at 700hPa level were mostly west-northwesterly to westerly during first five days and speeds were (15-25) knots and then winds were Westerly to South-westerly during the rest of the week with (10-15) knots. Easterly wind anomaly over the country and seasonal east-west oriented trough axis to the south of its seasonal position was observed during the week also.

Winds at 500hPa level were changed in direction frequently as Westerly to south-westerly and speeds were (10-25) knots on 08th and 09th also North-westerly/ (10-15) knots on 10th. Winds were South-easterly to South-westerly/ (10-15) knots on 11th, 12th and it was North-easterly to South-easterly/ (10-15) knots during the last two days of the week. Easterly wind anomaly over the country and seasonal east-west oriented trough axis to the south of its seasonal position was observed during the week.

The moisture content also was normally high in low level atmosphere.

