

Probabilistic Rainfall Forecast for July 2018

The probabilistic rainfall forecast for July 2018 for Sri Lanka as given below.

The district wise average rainfall is given in the column 2 of the table 1. Chance (probability) of receiving below/about/above average is given in the columns 3, 4, and 5 respectively in the table 1.

There is a higher chance of receiving slightly below average rainfall in Kandy, Mathale, Kurunegala, Anuradhapura, Polonnaruwa, Vavuniya, Mulativu, Trincomalee, Batticaloa, Ampara and Monaragala districts for July 2018

And there is no Signal for Colombo, Kalutara, Galle, Matara, Hambantota, Rathnapura, Kegalle, Gampaha, Puttalam, Mannar, Killinochchi, Jaffna, NuwaraEliya and Badulla districts.

Figure 2 represents the weekly rainfall anomaly forecast for July 2018 from Japanese Meteorological Administration (JMA) model. Below normal rainfall can be expected over most parts of the island except northern parts from first week to the last week of July 2018 (Fig 2). According to the monthly rainfall anomaly forecast for July 2018 from Japanese Meteorological Administration (JMA) model (Fig. 3), slightly below normal rainfall can be expected over most parts of the island except northern parts for July 2018.

The probabilistic rainfall forecast for July 2018 for Sri Lanka as given below.

District	Average rainfall (mm) –(July)	Probability %		
		Below	Normal	Above
Colombo	180.0	40	30	30
Kalutara	262.9	40	30	30
Galle	240.7	40	30	30
Matara	171.6	40	30	30
Hambantota	45.7	40	30	30
Ampara	49.9	45	30	25
Batticaloa	55.1	45	30	25
Trincomalee	65.5	45	30	25
Mullaithivu	39.0	45	30	25
Jaffna	24.5	40	30	30
Killinochchi	21.8	40	30	30
Mannar	13.9	40	30	30
Puttalam	28.7	40	30	30
Gampaha	136.5	40	30	30
Kegalle	299.2	40	30	30
Ratnapura	201.4	40	30	30
Monaragala	51.2	45	30	25
Badulla	72.0	40	30	30
Pollonnaruwa	56.9	45	30	25
Vavuniya	42.7	45	30	25
Anuradapura	37.8	45	30	25
Kurunegala	68.0	45	30	25
Matale	60.3	45	30	25
Kandy	171.0	45	30	25
Nuwaraeliya	262.4	40	30	30

Table 1

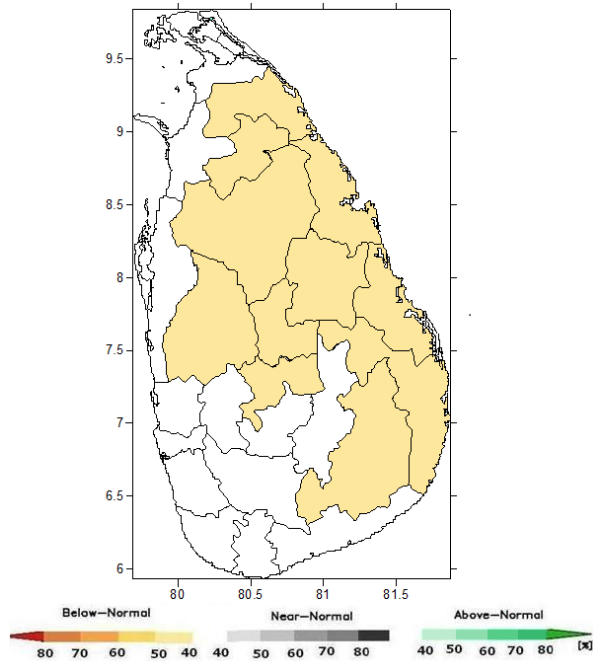


Fig 1: Probabilistic rainfall forecast for July 2018

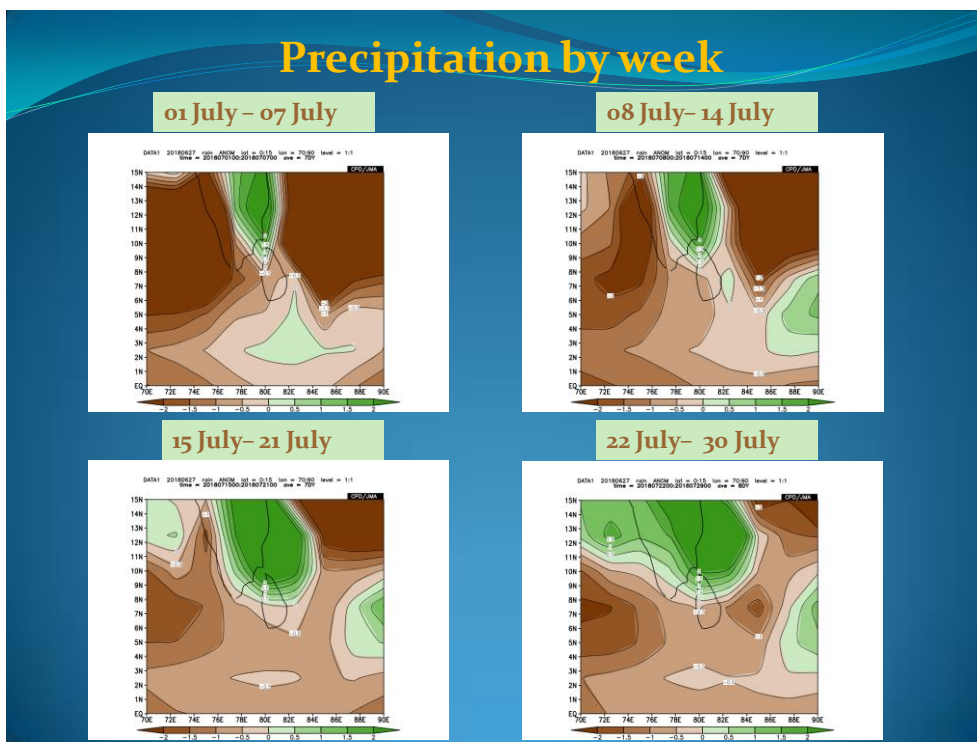


Fig 2: Weekly Rainfall anomaly forecast for July 2018 (01 July – 07 July, Upper left), (08 July – 14 July, Upper right), (15 July – 21 July Lower left) and (22 July – 30 July, Lower right) from JMA model.

Precipitation Anomaly

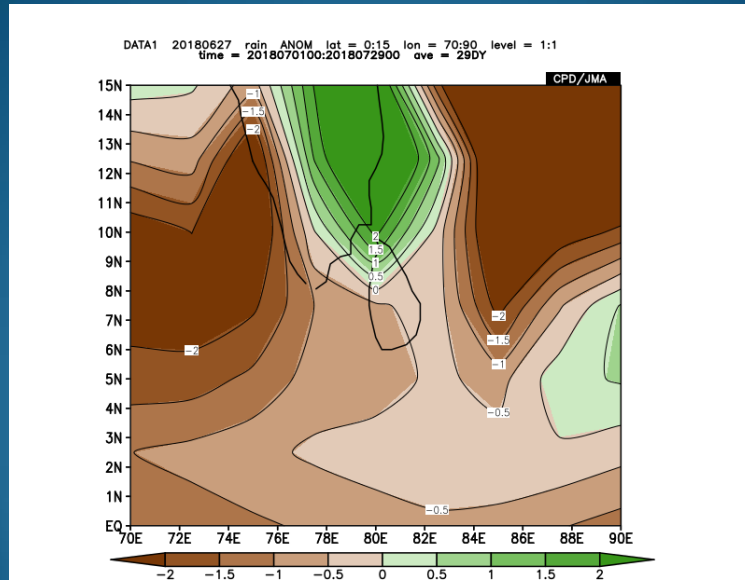


Fig 3: Rainfall anomaly forecast for July 2018 (mm/day) from JMA model