

Probabilistic Rainfall Forecast for June 2018

The probabilistic rainfall forecast for June 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 Puttalam, Mullativu, Vavuniya, Trincomalee, Polonnaruwa, Batticaloa and Ampara districts for June 2018 .

There is a higher chance of receiving near average rainfall in Matale, Kandy, NuwaraEliya, Badulla, Monaragala, Rathnapura, Matara and Hambantota districts for June 2018.

There is no signal for Kurunegala, Colombo, Kalutara, Galle, Gampaha, Kegalle, Anuradhapura, Mannar, Killinochchi and Jaffna districts.

Figure 2 represents the weekly rainfall anomaly forecast for June 2018 from Japanese Meteorological Administration (JMA) model. Above normal rainfall can be expected during the first week and below normal rainfall can be expected during rest of the weeks of June 2018 (Fig 2). According to the monthly rainfall anomaly forecast for June2018 from Japanese Meteorological Administration (JMA) model (Fig. 3), slightly below normal rainfall can be expected for June 2018.

The probabilistic rainfall forecast for June2018 for Sri Lanka as given below.

District	Average rainfall (mm) –(June)	Probability %		
		Below	Normal	Above
Colombo	247.6	35	35	30
Kalutara	350.8	30	35	35
Galle	290.5	35	30	35
Matara	241.1	25	25	50
Hambantota	52.0	20	25	55
Ampara	24.4	50	25	25
Batticaloa	25.5	55	25	20
Trincomalee	22.6	55	25	20
Mullaithivu	12.5	50	30	20
Jaffna	13.7	35	25	40
Killinochchi	9.4	40	25	35
Mannar	7.2	40	30	30
Puttalam	46.6	45	25	30
Gampaha	212.8	40	30	30
Kegalle	372.7	40	30	30
Ratnapura	277.3	25	25	50
Monaragala	24.8	30	25	45
Badulla	35.4	25	20	55
Pollonnaruwa	18.0	50	25	25
Vavuniya	10.6	45	30	25
Anuradapura	11.4	40	30	30
Kurunegala	86.3	30	30	40
Matale	44.0	30	25	45
Kandy	172.6	30	25	45
Nuwaraeliya	270.1	25	25	50

Table 1

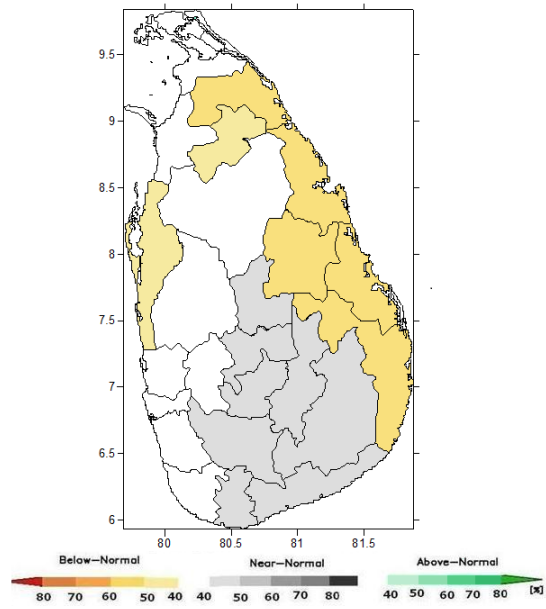


Fig 1. Probabilistic rainfall forecast for June 2018

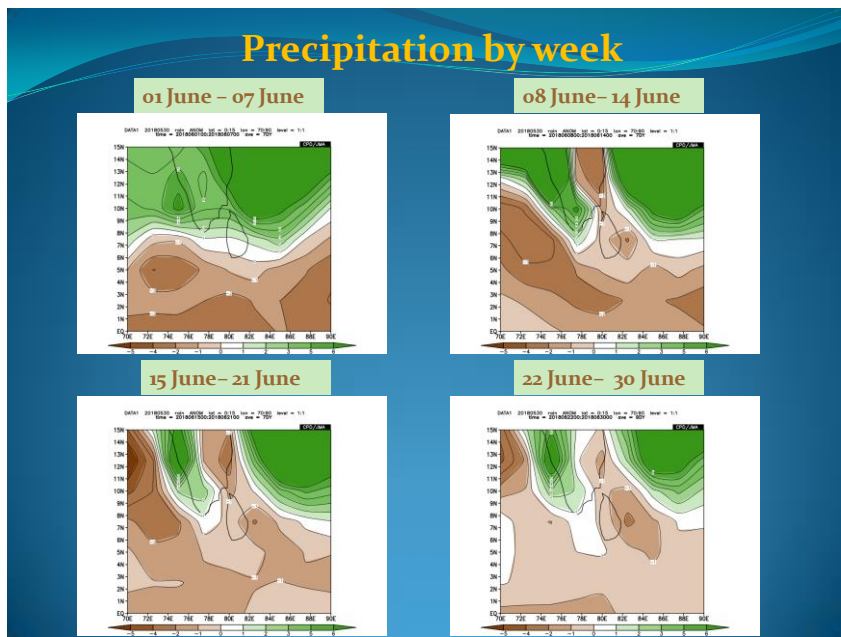


Fig 2. Weekly Rainfall anomaly forecast for June 2018 (01 June – 07 June, Upper left), (08 June –14 June, Upper right), (15 June – 21 June Lower left) and (22 June–30 June, Lower right) from JMA model

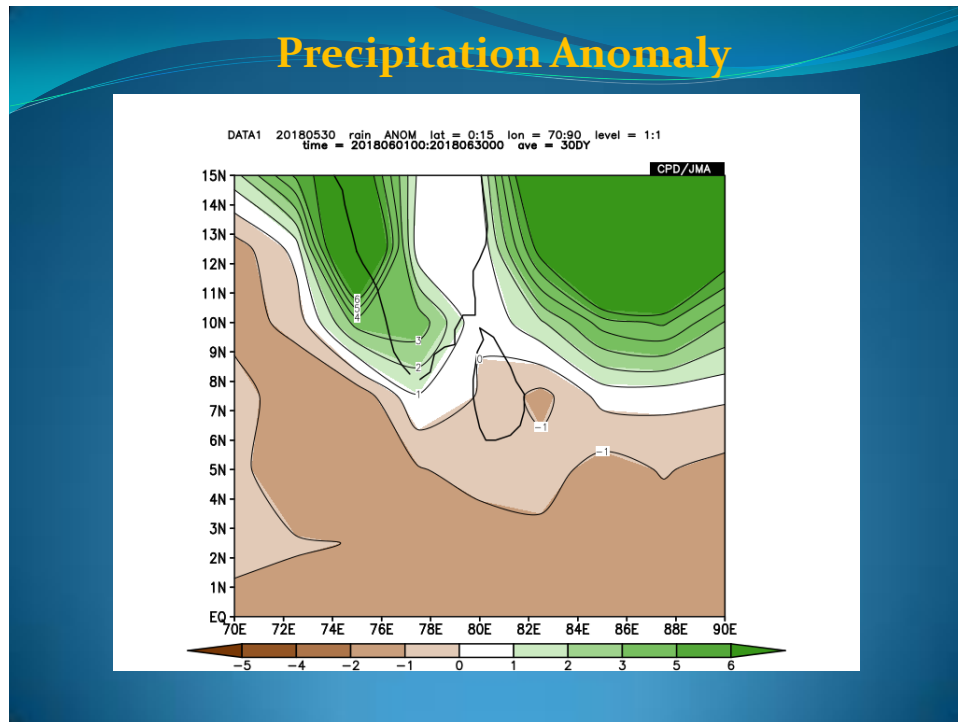


Fig 3. Rainfall anomaly forecast for June 2018 (mm/day) from JMA model