

Probabilistic Rainfall Forecast for February 2018

The probabilistic rainfall forecast for February 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 above average rainfall in all districts for the month of February 2018.

Figure 2 represents the weekly rainfall anomaly forecast for February 2018 from Japanese Meteorological Administration (JMA) model. Above normal rainfall can be expected in first, and last week and below normal rainfall can be expected in second and third weeks of February 2018. According to the monthly rainfall anomaly forecast for February 2018 from Japanese Meteorological Administration (JMA) model (Fig. 3), slightly above normal rainfall can be expected for February 2018, except northeastern coastal areas where slightly below normal rainfall can be expected for February 2018.

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

District	Average rainfall (mm) –(February)	Probability %		
		Below	Normal	Above
Colombo	89.7	25	30	45
Kalutara	119.3	25	30	45
Galle	118.2	25	30	45
Matara	99.7	25	30	45
Hambantota	63.7	25	30	45
Ampara	144.9	25	30	45
Batticaloa	121.9	30	30	40
Trincomalee	82.4	30	30	40
Mullaithivu	59.9	25	30	45
Jaffna	32.5	25	30	45
Killinochchi	50.3	25	30	45
Mannar	48.4	25	30	45
Puttalam	38.5	25	30	45
Gampaha	76.8	25	30	45
Kegalle	98.3	25	30	45
Ratnapura	117.9	30	30	40
Monaragala	110.4	30	30	40
Badulla	160.6	30	30	40
Pollonnaruwa	106.2	30	30	40
Vavuniya	53.7	25	30	45
Anuradapura	55.7	25	30	45
Kurunegala	62.5	25	30	45
Matale	121.5	25	30	45
Kandy	118.3	25	30	45
Nuwaraeliya	104.8	25	30	45

Table 1

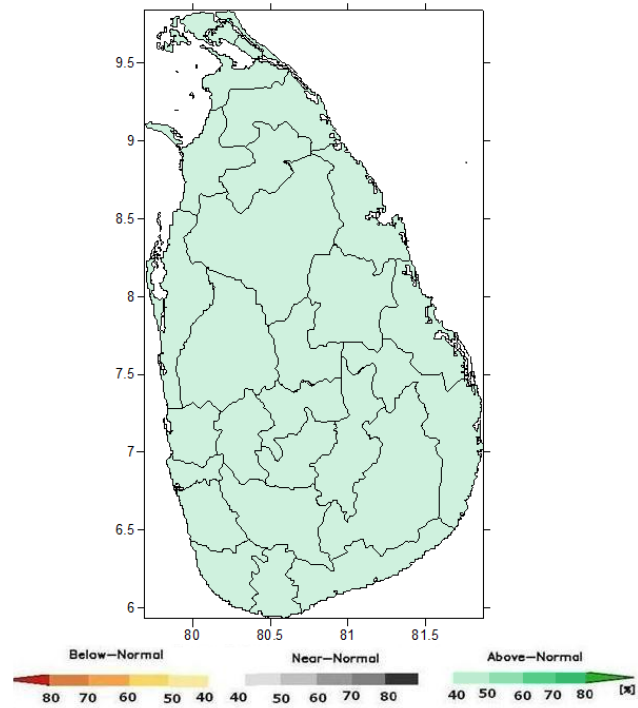


Fig 1. Probabilistic rainfall forecast for February 2018

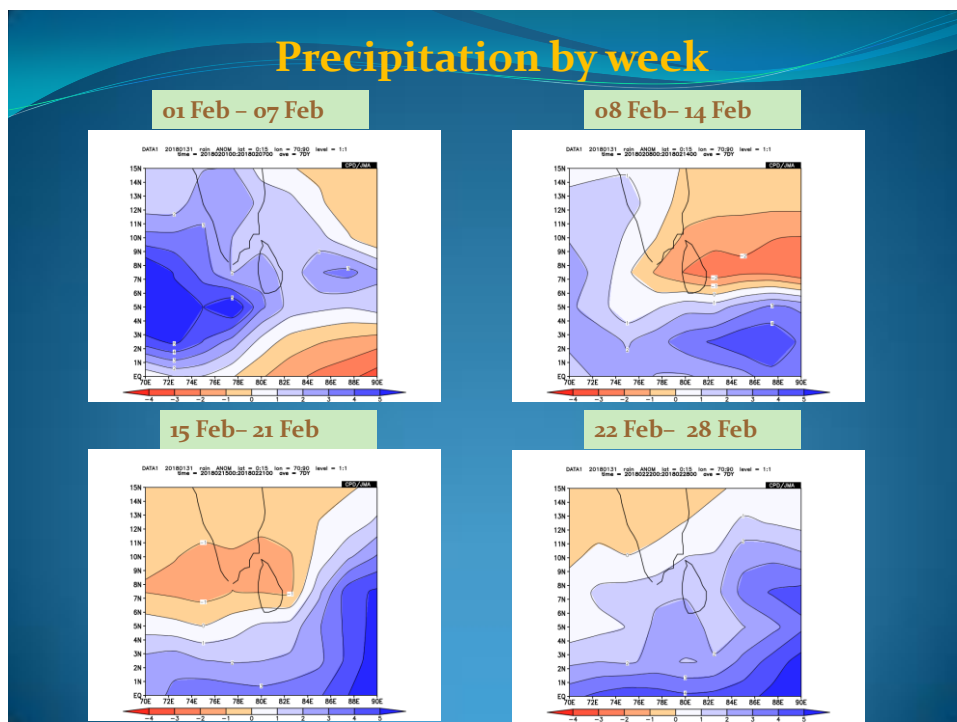


Fig 2. Weekly Rainfall anomaly forecast for February 2018 (01 February – 07 February, Upper left), (08 February – 14 February, Upper right), (15 February – 21 February Lower left) and (22 February – 28 February, Lower right) from JMA model

Precipitation Anomaly

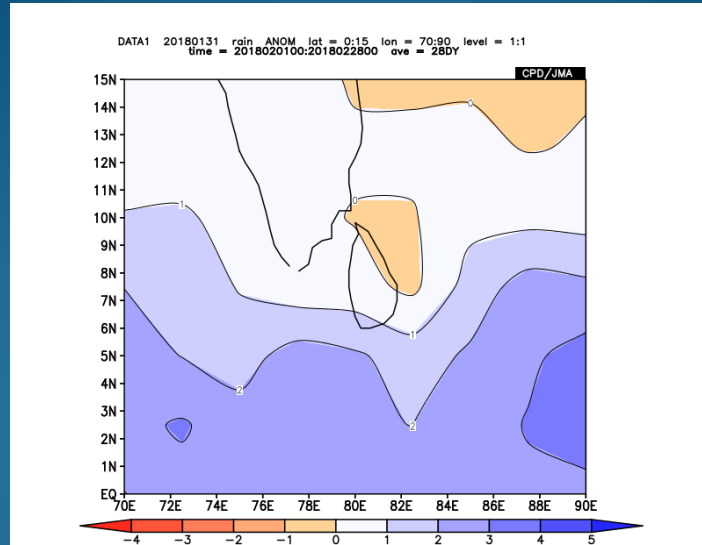


Fig 3. Rainfall anomaly forecast for February 2018 (mm/day) from JMA model