

Probabilistic Rainfall Forecast for November 2018

The probabilistic rainfall forecast for November 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.

Figure 1 represents the consensus forecast for month of November 2018. Above normal rainfall can be expected in most of districts in Sri Lanka.

Figure 2 represents the weekly rainfall anomaly forecast for November 2018 from Japanese Meteorological Administration (JMA) model. Above normal rainfall can be expected over the island during the first two weeks of November 2018 (Fig 2). During last two weeks it can be expected slightly below normal rainfall over the Island. According to the monthly rainfall anomaly forecast for November 2018 from Japanese Meteorological Administration (JMA) model (Fig. 3), slightly above normal rainfall can be expected over the island for November 2018.

Figure 4 represents the multi-model ensemble probabilistic rainfall forecast for November 2018 from Forecast Customization System (FOCUS) for Sri Lanka, developed by Regional Integrated Multi-Hazard Early Warning System (RIMES). According to the FOCUS, there is a higher probability of receiving above normal rainfall in wet zone, intermediate zone and dry zone in Sri Lanka for November 2018.

Figure 5 represents the probabilistic rainfall forecast from Climate Predictability tool(CPT) for November 2018. According to the CPT slightly above normal rainfall can be expected for all the districts in the country for the month of November.

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

District	Average rainfall (mm) –(November)	Probability %		
		Below	Normal	Above
Colombo	340.8	20	30	50
Kalutara	403.1	20	30	50
Galle	378.9	20	30	50
Matara	352.7	20	30	50
Hambantota	222.5	20	30	50
Ampara	271.9	20	30	50
Batticaloa	303.2	20	30	50
Trincomalee	303.1	20	30	50
Mullaithivu	312.5	20	30	50
Jaffna	324.8	20	30	50
Killinochchi	329.6	20	30	50
Mannar	242.8	20	30	50
Puttalam	233.2	20	30	50
Gampaha	313.1	20	30	50
Kegalle	394.1	20	30	50
Ratnapura	370.2	20	30	50
Monaragala	289.6	20	30	50
Badulla	327.3	20	30	50
Pollonnaruwa	292.9	20	30	50
Vavuniya	272.3	20	30	50
Anuradapura	240.4	20	30	50
Kurunegala	270.1	20	30	50
Matale	309.0	20	30	50
Kandy	342.5	20	30	50
Nuwaraeliya	305.9	20	30	50

Table 1

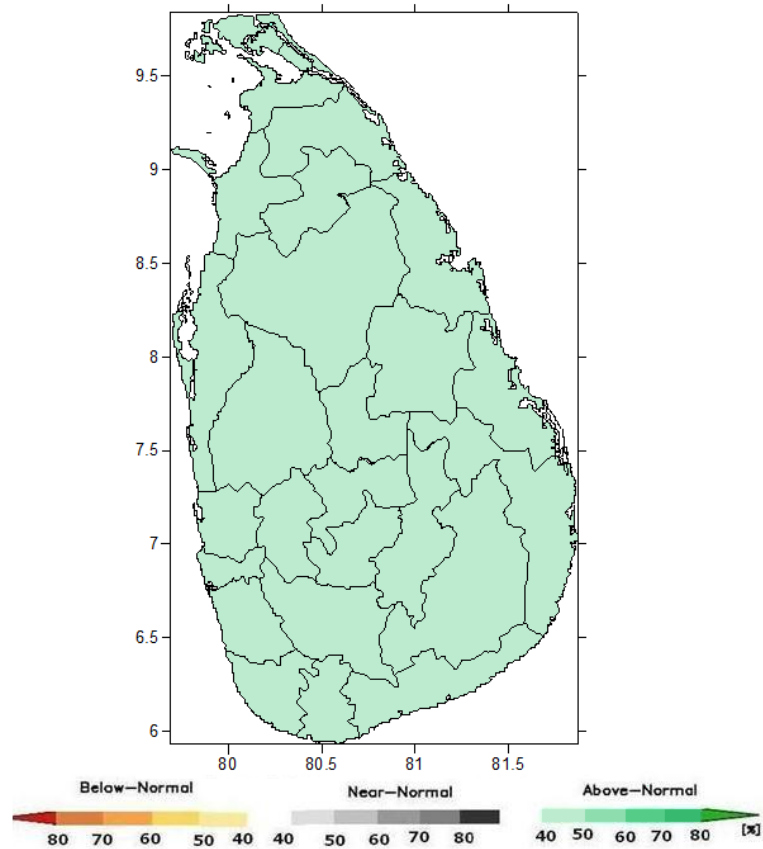


Fig 1.Consensus Probabilistic rainfall forecast for November2018

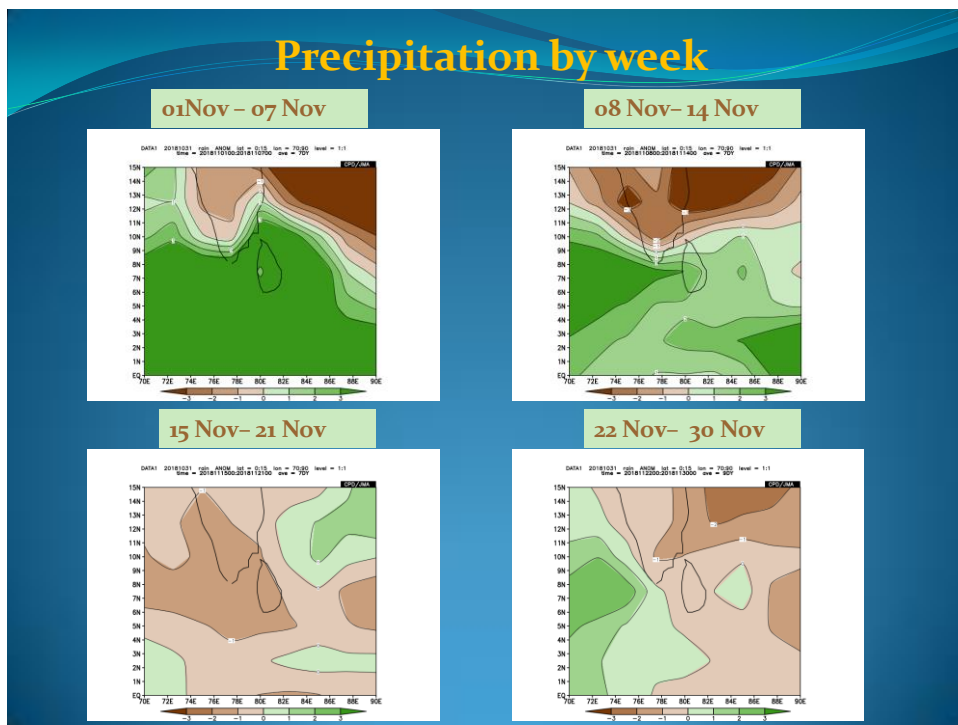


Fig 2.Weekly Rainfall anomaly forecast for November2018 (01November – 07November, Upper left), (08November –14November, Upper right), (15November – 21November Lower left) and (22November– 30November, Lower right) from JMA model.

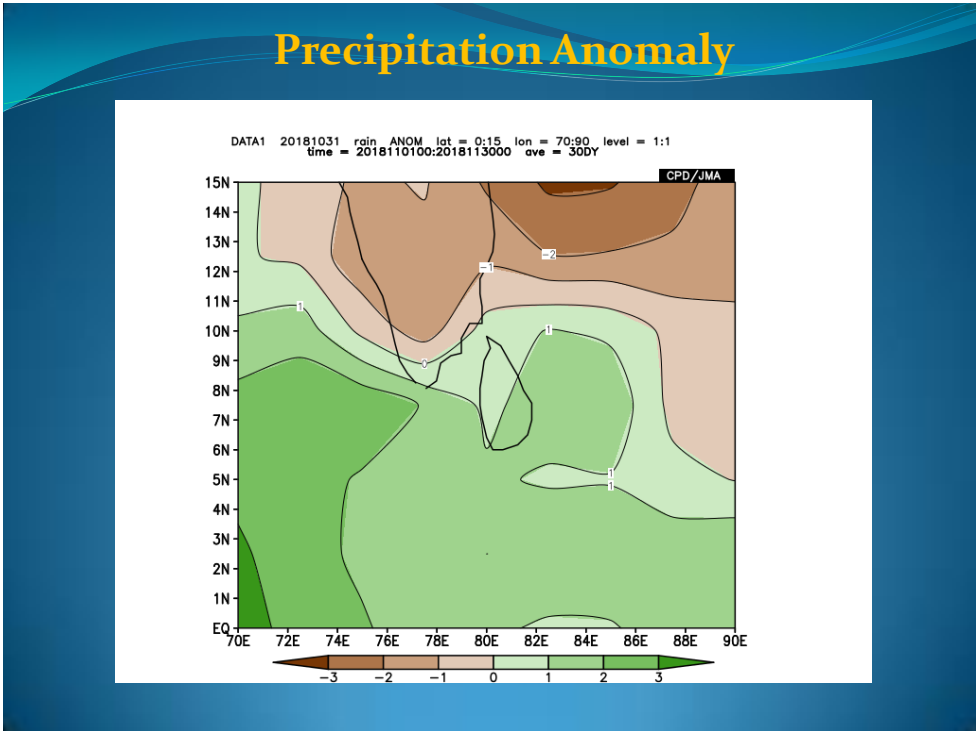


Fig 3. Rainfall anomaly forecast for November 2018 (mm/day) from JMA model

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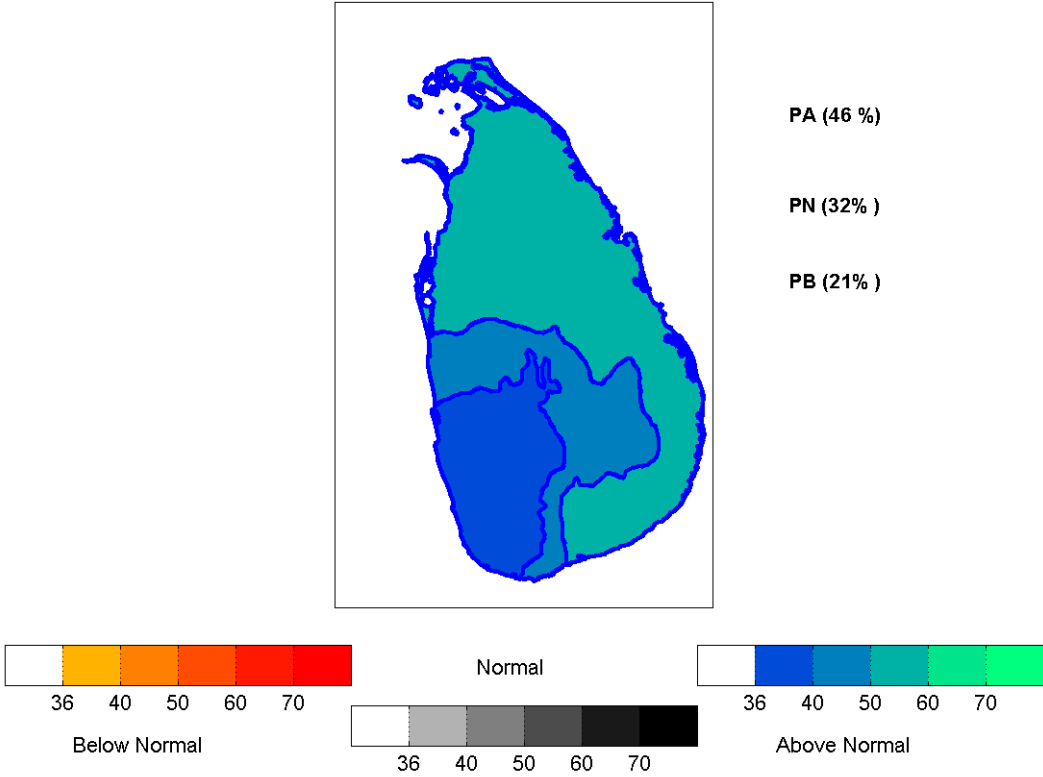


Fig 4. Multi-model ensemble probabilistic forecast for November 2018 from RIMES Forecast Customization System (FOCUS).

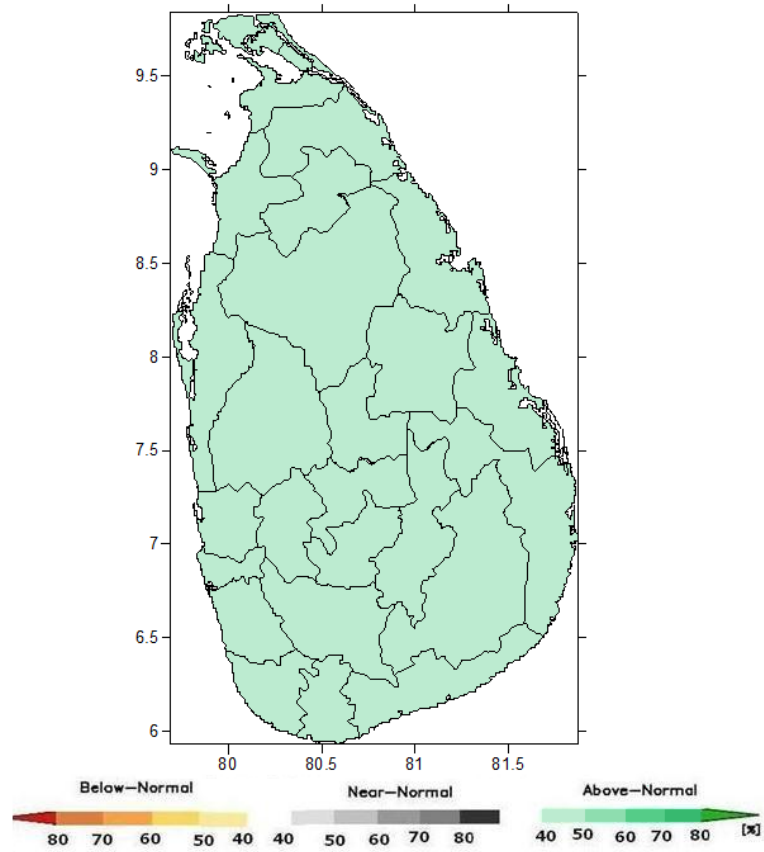


Fig 5. Probabilistic rainfall forecast using Climate predictability tool for November 2018