

Probabilistic Rainfall Forecast for September 2017

The probabilistic rainfall forecast for September 2017 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 above average rainfall in all districts for the month of September 2017.

Figure 2 represents the weekly rainfall anomaly forecast for September 2017 from Japanese Meteorological Administration (JMA) model. Above normal rainfall can be expected for all four weeks starting from 01 September to 30 September. According to the monthly rainfall anomaly forecast for September 2017 from Japanese Meteorological Administration (JMA) model (Fig 3), above normal rainfall can be expected for September 2017.

Figure 4 represents the multi-model ensemble probabilistic rainfall forecast for September 2017 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 the intermediate zone and no signal for wet zone, and dry zone for September 2017.

The probabilistic rainfall forecast for September 2017 for Sri Lanka as given below.

District	Average rainfall (mm) –(September)	Probability %		
		Below	Normal	Above
Colombo	289.7	25	20	55
Kalutara	388.1	25	20	55
Galle	341.2	30	30	40
Matara	258.6	35	20	45
Hambantota	72.4	35	20	45
Ampara	77.2	25	30	45
Batticaloa	86.6	25	30	45
Trincomalee	109.9	25	30	45
Mullaithivu	83.4	25	30	45
Jaffna	63.0	25	25	50
Killinochchi	60.9	25	30	45
Mannar	46.1	25	30	45
Puttalam	67.5	25	30	45
Gampaha	232.3	25	20	55
Kegalle	360.6	25	20	55
Ratnapura	284.1	30	30	40
Monaragala	83.8	25	20	55
Badulla	118.2	25	30	45
Pollonnaruwa	100.3	25	30	45
Vavuniya	97.5	25	30	45
Anuradapura	83.0	25	30	45
Kurunegala	116.6	25	30	45
Matale	94.3	25	20	55
Kandy	189.6	25	20	55
Nuwaraeliya	250.8	25	30	45

Table 1

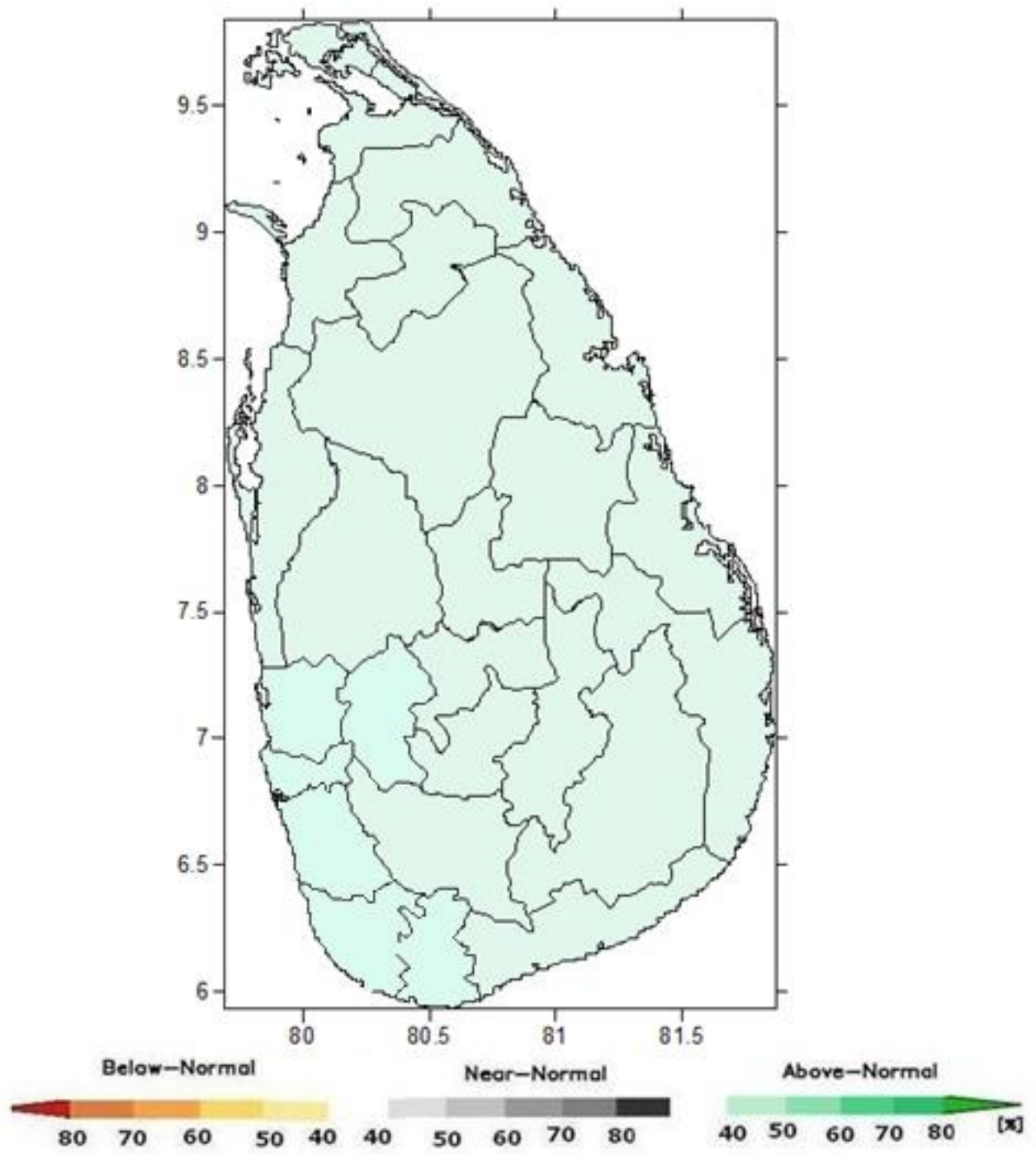


Fig 1. Probabilistic rainfall forecast for September 2017

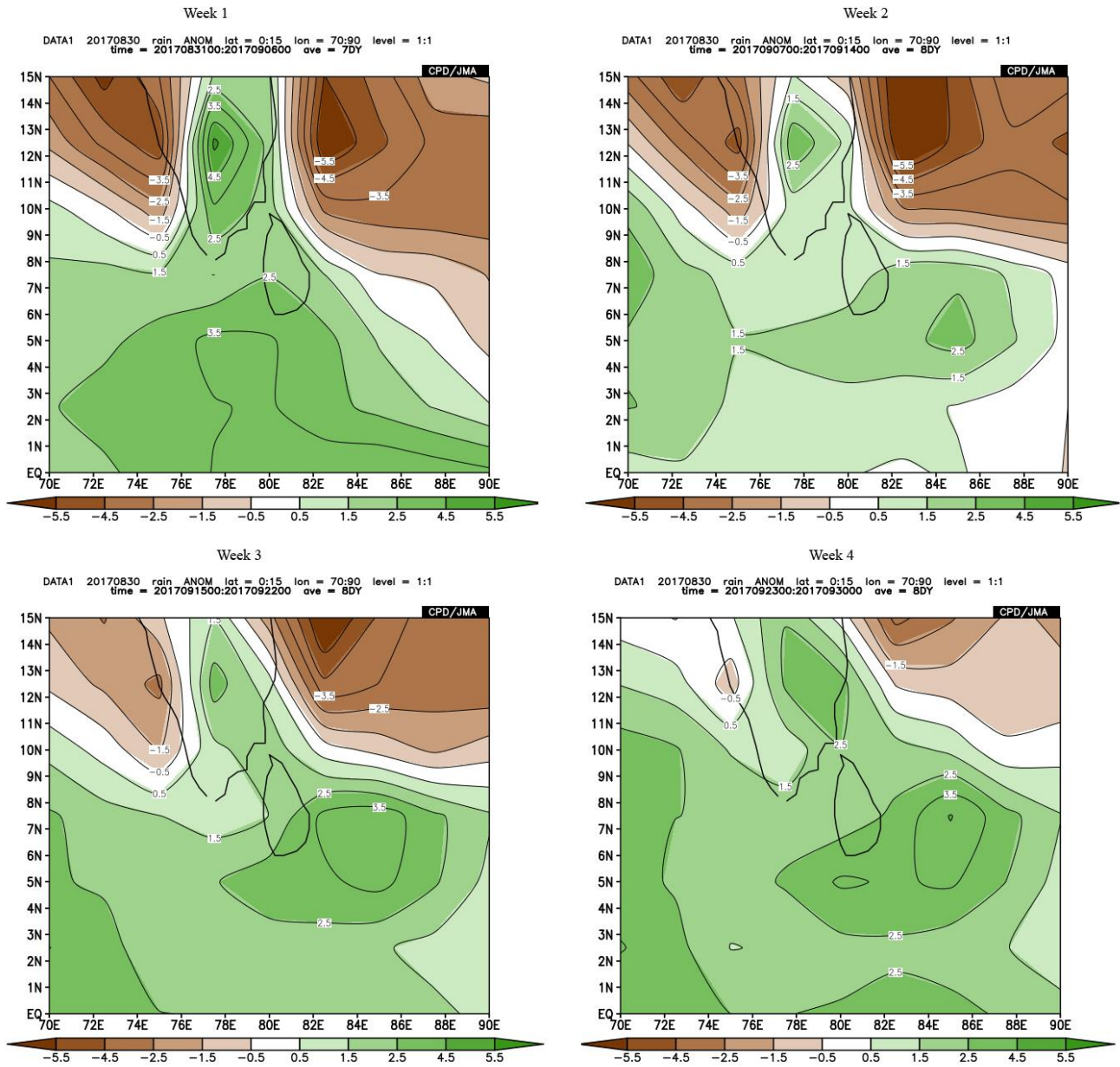


Fig 2. Weekly Rainfall anomaly forecast for September 2017 (01 September - 06 September, Upper left), (07 September - 14 September, Upper right), (15 September - 21 September, Lower left) and (22 September - 30 September, Lower right) from JMA model

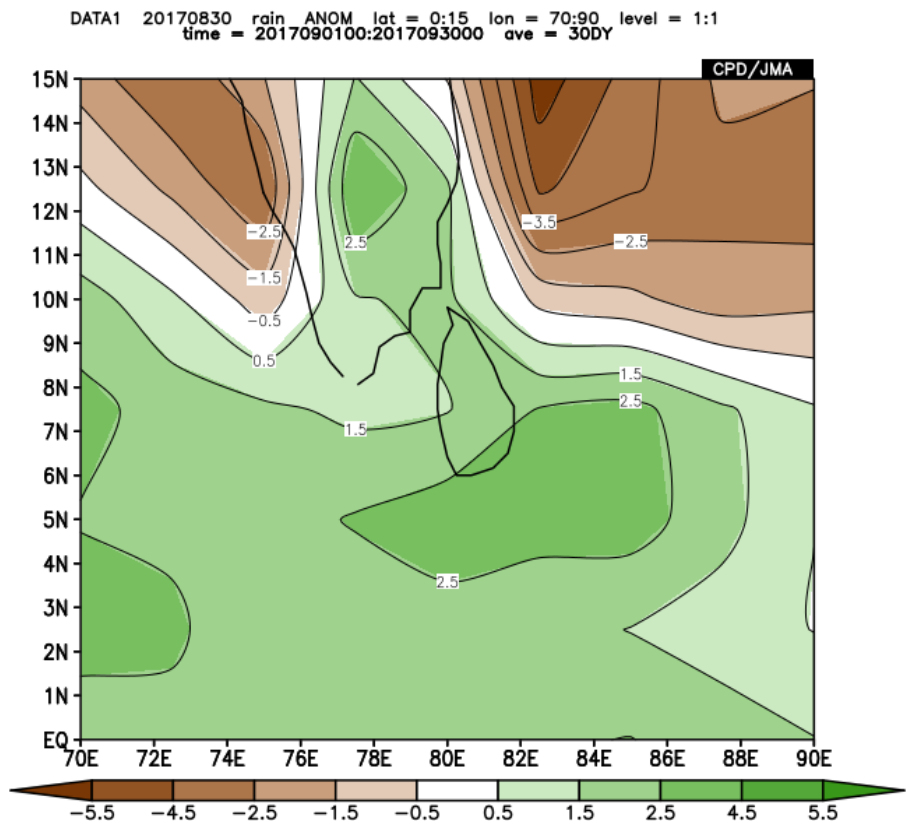


Fig 3. Rainfall anomaly forecast for September 2017 (mm/day) from JMA model

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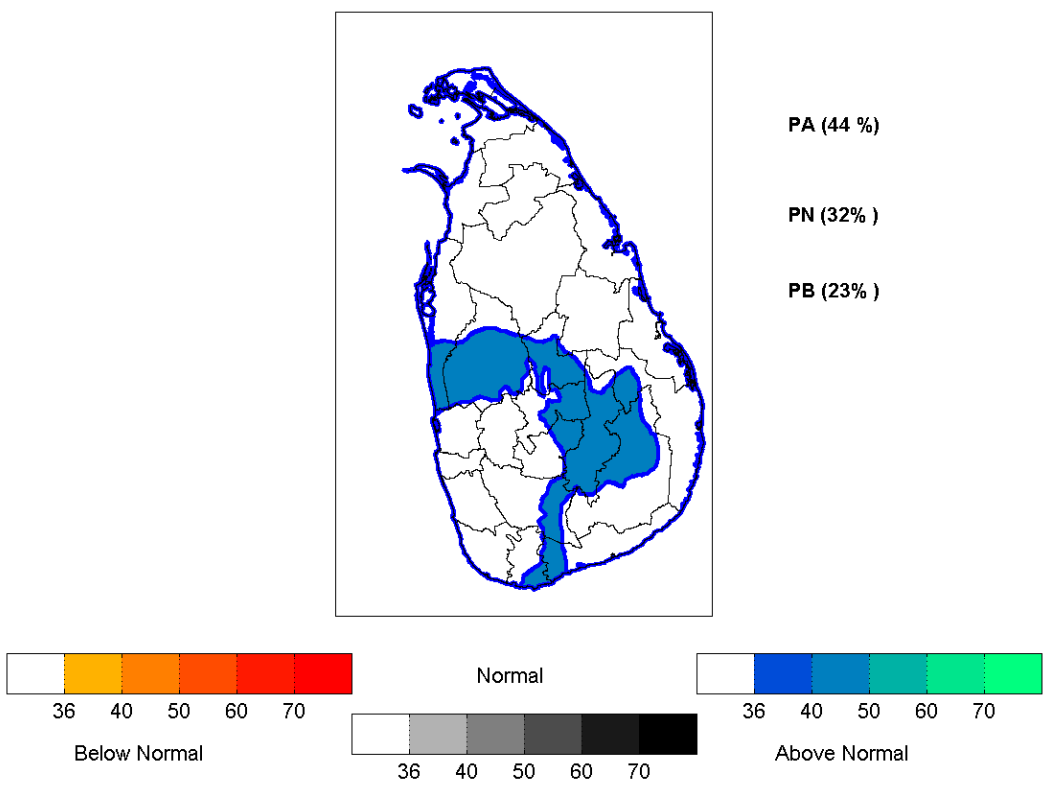


Fig 4. Multi-model ensemble probabilistic forecast for September 2017 from RIMES Forecast Customization System (FOCUS).