

Probabilistic Temperature Forecast for December 2018

The probabilistic Temperature forecast for December 2018 for Sri Lanka as given below.

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

There is a higher chance of receiving slightly above average Maximum Temperatures in Mannar, Vavuniya, Anuradhapura, Trincomalee, Puttalam, Kurunegala, Gampaha, Colombo, Galle, Kandy, Badulla, Batticaloa, Ampara, and Hambantota districts and below average Maximum Temperatures in NuwaraEliya and Rathnapura districts (Fig 1) for the December 2018.

There is a higher chance of receiving slightly above average Minimum Temperatures in Anuradhapura, Mannar, Vavuniya, Trincomalee, Batticaloa, Puttalam, , Kurunegala, Gampaha, Colombo, Kandy, NuwaraEliy, Ratnapura, Badulla, Galle and Hambantota districts and slightly below average Minimum Temperatures in Ampara district (Fig 2) for the December 2018.

The probabilistic forecast for Maximum Temperature and Minimum Temperatures for December 2018 for Sri Lanka is given below.

Table 1: probabilistic forecast for Maximum Temperature for December 2018

| District | Average Maximum Temperature (°C) –(December) | Probability % | | |
|-----------------|---|---------------|--------|-------|
| | | Below | Normal | Above |
| Anuradhapura | 29.1 | 25 | 25 | 50 |
| Badulla | 25.4 | 30 | 30 | 40 |
| Batticaloa | 28.1 | 20 | 20 | 60 |
| Colombo | 30.3 | 30 | 30 | 40 |
| Galle | 29.1 | 20 | 30 | 50 |
| Hambantota | 29.6 | 20 | 30 | 50 |
| Katugastota | 27.8 | 25 | 30 | 45 |
| Katunayake | 31.2 | 30 | 30 | 40 |
| Mannar | 28.6 | 20 | 30 | 50 |
| Mahalluppallama | 29.0 | 20 | 30 | 50 |
| NuwaraEliya | 19.4 | 40 | 30 | 30 |
| Pottuvil | 29.9 | 25 | 30 | 45 |
| Puttalam | 29.9 | 20 | 30 | 50 |
| Ratnapura | 31.8 | 40 | 30 | 30 |
| Ratmalana | 30.6 | 30 | 30 | 40 |
| Trincomalee | 28.0 | 20 | 20 | 60 |
| Vavuniya | 28.8 | 20 | 30 | 50 |
| Kurunegala | 30.1 | 20 | 30 | 50 |
| Bandarawela | 22.5 | 25 | 30 | 45 |

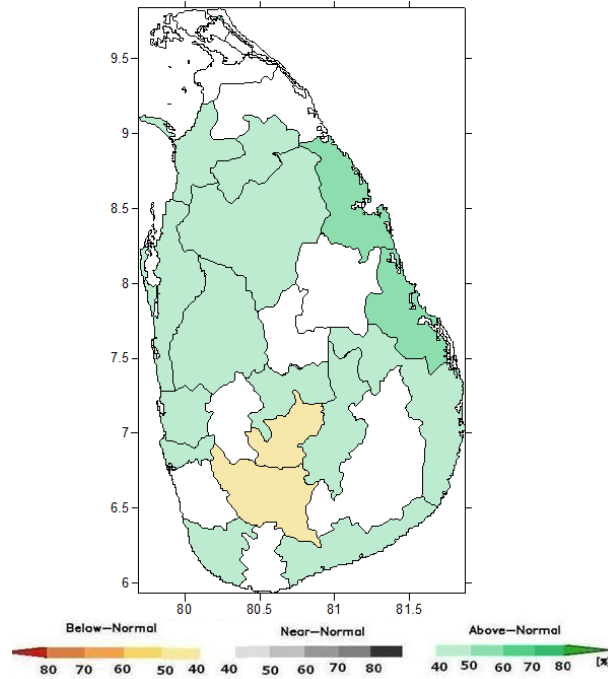


Fig 1: Probabilistic forecast for Maximum Temperatures for December 2018

Table 2: Probabilistic forecast for Minimum Temperatures for December 2018

| District | Average Minimum Temperature (°C) –(December) | Probability % | | |
|------------------|--|---------------|--------|-------|
| | | Below | Normal | Above |
| Anuradhapura | 21.9 | 20 | 20 | 60 |
| Badulla | 18.5 | 20 | 25 | 55 |
| Batticaloa | 23.5 | 20 | 20 | 60 |
| Colombo | 22.8 | 20 | 20 | 60 |
| Galle | 23.1 | 20 | 20 | 60 |
| Hambantota | 23.3 | 20 | 20 | 60 |
| Katugastota | 19.5 | 20 | 30 | 50 |
| Katunayake | 22.4 | 20 | 20 | 60 |
| Mannar | 24.1 | 20 | 30 | 50 |
| MahaIlluppallama | 21.5 | 20 | 30 | 50 |
| NuwaraEliya | 11.0 | 20 | 30 | 50 |
| Pottuvil | 22.3 | 45 | 25 | 30 |
| Puttalam | 22.1 | 20 | 20 | 60 |
| Ratnapura | 22.3 | 25 | 25 | 50 |
| Ratmalana | 22.4 | 20 | 20 | 60 |
| Trincomalee | 24.2 | 25 | 25 | 50 |
| Vavuniya | 21.4 | 25 | 30 | 45 |
| Kurunegala | 21.7 | 20 | 20 | 60 |
| Bandarawela | 15.3 | 20 | 30 | 50 |

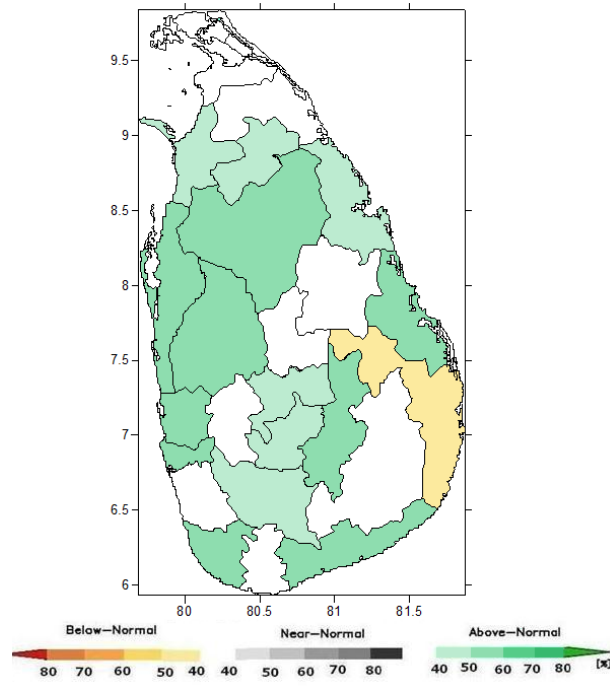


Fig 2: Probabilistic forecast for Minimum Temperatures for December 2018