



## TONGA METEOROLOGICAL SERVICE

# Monthly Climate Summary



July 2020 Climate Summary:

Issued: 18 August 2020

## July 2020 Climate in brief.

Extremely high rainfall was recorded over Tongatapu and 'Eua in July. Average to above average rainfall was recorded in the Niuaas, Ha'apai and Vava'u. (See Graph below and table to the right). The mean temperature was 24.1°C which was 0.7°C warmer than average. Highest maximum temperature was 31.6°C on the 21st in Niuafou'u and the lowest minimum 11.7°C in 'Eua on the 23<sup>rd</sup>.

Table 1. Near-record or record high or low annual average temperature for July 2020.

Station	Mean air Temperature °C	Highest Maximum Temperature °C	Date of occurrence of Highest Maximum Temperature	Lowest Minimum Temperature °C	Date of occurrence of Lowest Minimum Temperature	Ranking of lowest minimum temperature (from lowest to highest)
Niuafou'u (1971-2020)	27.1	<b>31.6</b>	21 <sup>st</sup>	<b>20.3</b>	31 <sup>st</sup>	26/47
Niuaotupapu (1958-2020)	26.3	<b>31.2</b>	1 <sup>st</sup>	<b>21.2</b>	6 <sup>th</sup>	37/56
Vava'u (1957-2020)	24.3	<b>28.9</b>	18 <sup>th</sup>	<b>15.4</b>	23 <sup>rd</sup>	29/63
Ha'apai 1961-2020)	23.7	<b>28.5</b>	19 <sup>th</sup>	<b>18.5</b>	21 <sup>st</sup>	36/55
Fua'amotu (1980-2020)	22.4	<b>28.4</b>	19 <sup>th</sup>	<b>13.1</b>	17 <sup>th</sup>	20/41
Nuku'alofa (1949-2020)	23.3	<b>28.7</b>	17 <sup>th</sup>	<b>14.5</b>	23 <sup>rd</sup>	14/72
'Eua (1981-2020)	21.4	<b>26.9</b>	17 <sup>th</sup>	<b>11.7</b>	25 <sup>th</sup>	<b>3<sup>rd</sup> lowest July minimum</b>

**Table 2. Rainfall record for July 2020**

Stations	Rainfall total (mm)	Year records began	Ranking of highest monthly rainfall (from lowest to highest)
Niuafóú	115.0	1971	25/48
Niutoputapu	168.6	1947	62/74
Vava'u	84.5	1947	39/74
Ha'apai	135.0	1947	57/74
Fua'amotu	<b>271.8</b>	1980	<b>40/41</b>
Nuku'alofa	<b>231.5</b>	1944	<b>72/76</b>
'Eua	<b>311.5</b>	N/A	<b>22/23</b>

**Table 3. Rainfall record for highest daily rainfall recorded in July**

Stations	Highest daily rainfall (mm)	Date of occurrence of highest rainfall	Year records began	Ranking of highest daily rainfall (from lowest to highest)
Niuafóú	<b>17.5</b>	11 <sup>th</sup>	1971	16/45
Niutoputapu	<b>55.9</b>	5 <sup>th</sup>	1950	51/63
Vava'u	<b>38.0</b>	18 <sup>th</sup>	1953	40/67
Ha'apai	<b>46.4</b>	8 <sup>th</sup>	1953	40/64
Fua'amotu	<b>69.1</b>	8 <sup>th</sup>	1980	32/40
Nuku'alofa	<b>65.5</b>	19 <sup>th</sup>	1982	31/39
'Eua	<b>95.0</b>	8 <sup>th</sup>	N/A	5 <sup>th</sup> highest

