

Pacific Islands - Ocean and Climate Outlook Forum (OCOF) No. 228

Country: TUVALU

Part 1: Recent climate

TABLE 1: Monthly Rainfall

| Station (include data period) | Jun-2026   | Jul-2026   | Aug-2026      |         |         |        |       |
|-------------------------------|------------|------------|---------------|---------|---------|--------|-------|
|                               |            |            | Total (mm)    | 33%tile | 67%tile | Median | Rank  |
|                               | Total (mm) | Total (mm) | Rainfall (mm) |         |         |        |       |
| Nanumea (1941-2026)           | 397.5      | 301.9      | 240.6         | 137.1   | 211.6   | 182.7  | 63/85 |
| Nui (1946-2026)               | 292.2      | 324.2      | 344.5         | 137.0   | 263.9   | 184.6  | 67/81 |
| Funafuti (1933-2026)          | 310.6      | 338.8      | 611.9         | 189.9   | 306.2   | 222.6  | 90/94 |
| Niulakita (1953-2026)         | 142.9      | 109.7      | 356.7         | 147.3   | 265.3   | 222.9  | 65/74 |

TABLE 2: Three-month Total Rainfall for June to August 2026

Insert Table 2 (copied from Excel) on the line below, then delete this line of text.

| Station               | Three-month Total |              | 33%tile | 67%tile | Median | Rank  |
|-----------------------|-------------------|--------------|---------|---------|--------|-------|
|                       | Rainfall (mm)     |              |         |         |        |       |
| Nanumea (1941-2026)   | 940.0             | Above normal | 410.0   | 696.7   | 517.7  | 78/85 |
| Nui (1946-2026)       | 960.9             | Above normal | 486.2   | 740.7   | 646.2  | 76/81 |
| Funafuti (1933-2026)  | 6768.4            | Above normal | 586.1   | 814.8   | 713.8  | 79/93 |
| Niulakita (1953-2026) | 609.3             | Normal       | 538.4   | 728.0   | 615.1  | 36/74 |

Part 1i. Monthly and Seasonal Outlooks for October and October to December 2026

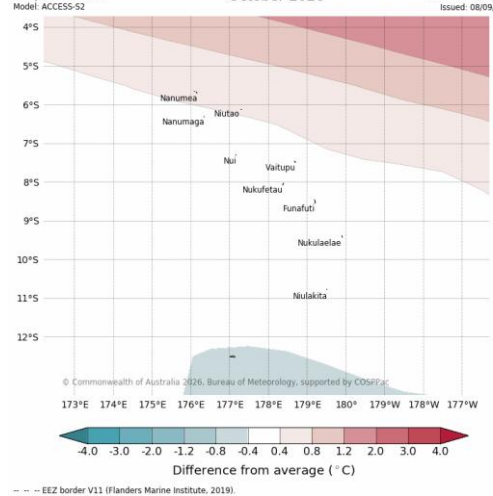
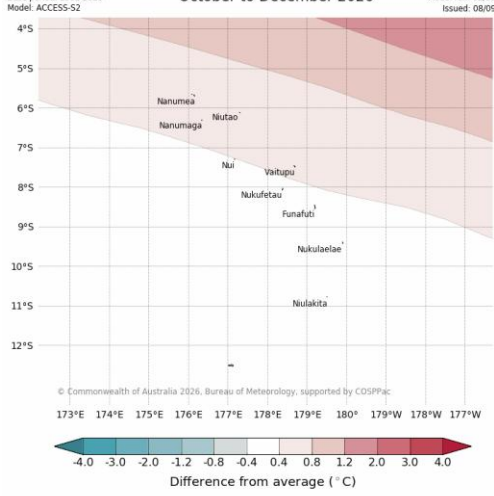
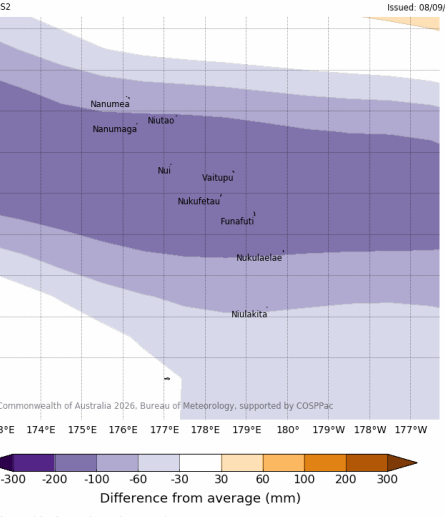
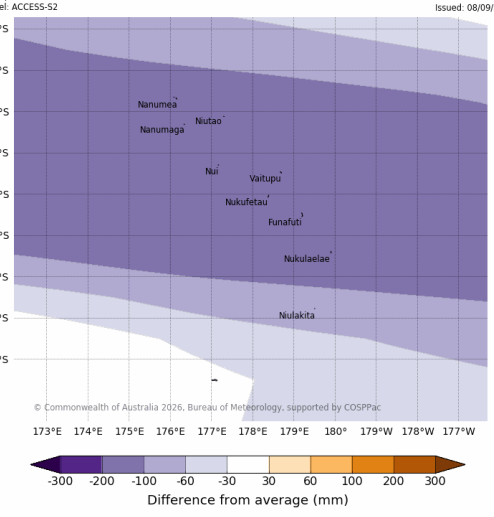
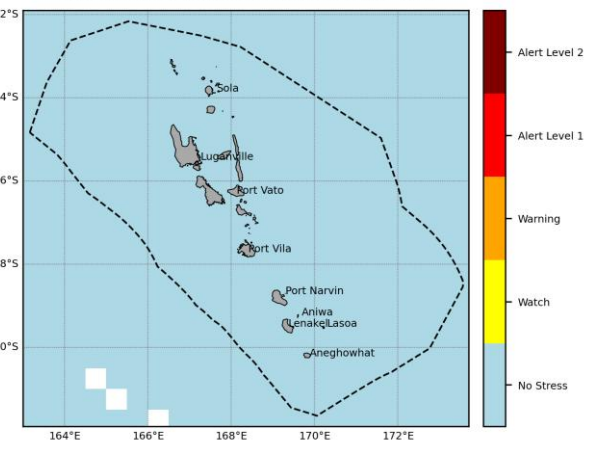
| Monthly: October 2026<br>Rainfall (Image 1)                                                                                                                                                                                                                                                                                                                                                                          | Seasonal: October to December 2026<br>Rainfall (Image 2)                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Tercile rainfall probabilities for October 2026</p> <p>Base period: 1981-2018<br/>Model: ACCESS-S2<br/>Model run: 05/09/2026<br/>Issued: 07/09/2026</p> <p>© Commonwealth of Australia 2026. Bureau of Meteorology, supported by COSPPac.</p> <p>176°E 177°E 178°E 179°E 180°</p> <p>Below normal (%) Near normal (%) Above normal (%)</p> <p>-- EEZ border V11 (Flanders Marine Institute, 2019).</p>            | <p>Tercile rainfall probabilities for October to December 2026</p> <p>Base period: 1981-2018<br/>Model: ACCESS-S2<br/>Model run: 05/09/2026<br/>Issued: 07/09/2026</p> <p>© Commonwealth of Australia 2026. Bureau of Meteorology, supported by COSPPac.</p> <p>176°E 177°E 178°E 179°E 180°</p> <p>Below normal (%) Near normal (%) Above normal (%)</p> <p>-- EEZ border V11 (Flanders Marine Institute, 2019).</p>            |
| Monthly Maximum temperature (Image 3):                                                                                                                                                                                                                                                                                                                                                                               | Seasonal maximum temperature (Image 4):                                                                                                                                                                                                                                                                                                                                                                                          |
| <p>Tercile maximum temperature probabilities for October 2026</p> <p>Base period: 1981-2018<br/>Model: ACCESS-S2<br/>Model run: 05/09/2026<br/>Issued: 07/09/2026</p> <p>© Commonwealth of Australia 2026. Bureau of Meteorology, supported by COSPPac.</p> <p>176°E 177°E 178°E 179°E 180°</p> <p>Below normal (%) Near normal (%) Above normal (%)</p> <p>-- EEZ border V11 (Flanders Marine Institute, 2019).</p> | <p>Tercile maximum temperature probabilities for October to December 2026</p> <p>Base period: 1981-2018<br/>Model: ACCESS-S2<br/>Model run: 05/09/2026<br/>Issued: 07/09/2026</p> <p>© Commonwealth of Australia 2026. Bureau of Meteorology, supported by COSPPac.</p> <p>176°E 177°E 178°E 179°E 180°</p> <p>Below normal (%) Near normal (%) Above normal (%)</p> <p>-- EEZ border V11 (Flanders Marine Institute, 2019).</p> |
| Monthly minimum temperature (Image 5):                                                                                                                                                                                                                                                                                                                                                                               | Seasonal minimum temperature (Image 6):                                                                                                                                                                                                                                                                                                                                                                                          |
| <p>Tercile minimum temperature probabilities for October 2026</p> <p>Base period: 1981-2018<br/>Model: ACCESS-S2<br/>Model run: 05/09/2026<br/>Issued: 07/09/2026</p> <p>© Commonwealth of Australia 2026. Bureau of Meteorology, supported by COSPPac.</p> <p>176°E 177°E 178°E 179°E 180°</p> <p>Below normal (%) Near normal (%) Above normal (%)</p> <p>-- EEZ border V11 (Flanders Marine Institute, 2019).</p> | <p>Tercile minimum temperature probabilities for October to December 2026</p> <p>Base period: 1981-2018<br/>Model: ACCESS-S2<br/>Model run: 05/09/2026<br/>Issued: 08/09/2026</p> <p>© Commonwealth of Australia 2026. Bureau of Meteorology, supported by COSPPac.</p> <p>176°E 177°E 178°E 179°E 180°</p> <p>Below normal (%) Near normal (%) Above normal (%)</p> <p>-- EEZ border V11 (Flanders Marine Institute, 2019).</p> |

Part 2: Recent Ocean Observation

Monthly/Three months: August and June to August 2026

| Monthly: August 2026                                                                                                                                                                                                                                 | Last three months: June to August 2026                                                                                                                                                                                                                                                                                                              |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sea Surface Temperature Anomaly (Image 1):                                                                                                                                                                                                           | Sea Surface Temperature Anomaly (Image 4):                                                                                                                                                                                                                                                                                                          |
| <div><p>Tuvalu</p><p>Monthly Sea Surface Temperature Anomalies: August 2026</p><p>© Pacific Community (SPC) 2025</p><p>Reynolds</p></div>                                                                                                            | <div><p>Tuvalu</p><p>Seasonal Sea Surface Temperature Anomalies: Jun 2026 - Aug 2026</p><p>© Pacific Community (SPC) 2025</p><p>Reynolds</p></div>                                                                                                                                                                                                  |
| Sea level anomaly (Image 2):                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                     |
| <div><p>Tuvalu</p><p>Monthly Sea Level Anomaly: August 2026</p><p>© Pacific Community (SPC) 2025</p><p>E.U. Copernicus Marine Service Information:<br/><a href="https://doi.org/10.48670/moi-00149">https://doi.org/10.48670/moi-00149</a></p></div> |                                                                                                                                                                                                                                                                                                                                                     |
| National daily coral bleaching alert (Image 3):                                                                                                                                                                                                      | Pacific daily coral bleaching alert (Image 5):                                                                                                                                                                                                                                                                                                      |
| <div><p>Tuvalu</p><p>Coral Bleaching Alert: 6 September 2026</p><p>© Pacific Community (SPC) 2025</p><p>NOAA</p></div>                                                                                                                               | <div><p>Difference from average<br/>sea surface temperature forecast for<br/>October 2026</p><p>Base period: 1981-2018<br/>Model: ACCESS-S2<br/>Model run: 05/09/2026<br/>Issued: 08/09/2026</p><p>© Commonwealth of Australia 2026, Bureau of Meteorology, supported by CSIRO</p><p>--- EEZ border V11 (Flanders Marine Institute, 2019)</p></div> |

Part 2i. Monthly and Seasonal Outlooks for October and October to December 2026

| Monthly: October 2026                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Seasonal: October to December 2026                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Monthly sea surface temperature anomaly (Image 5):</p> <p>Difference from average sea surface temperature forecast for October 2026</p> <p>Base period: 1981-2018<br/>Model: ACCESS-S2<br/>Model run: 05/09/2026<br/>Issued: 08/09/2026</p>  <p>© Commonwealth of Australia 2026, Bureau of Meteorology, supported by COSPPac</p> <p>-- EEZ border V11 (Flanders Marine Institute, 2019).</p> | <p>Seasonal sea surface temperature anomaly (Image 6):</p> <p>Difference from average sea surface temperature forecast for October to December 2026</p> <p>Base period: 1981-2018<br/>Model: ACCESS-S2<br/>Model run: 05/09/2026<br/>Issued: 08/09/2026</p>  <p>© Commonwealth of Australia 2026, Bureau of Meteorology, supported by COSPPac</p> <p>-- EEZ border V11 (Flanders Marine Institute, 2019).</p> |
| <p>Monthly sea level anomaly (Image 7):</p> <p>Difference from average sea surface height forecast for October 2026</p> <p>Base period: 1981-2018<br/>Model: ACCESS-S2<br/>Model run: 05/09/2026<br/>Issued: 08/09/2026</p>  <p>© Commonwealth of Australia 2026, Bureau of Meteorology, supported by COSPPac</p> <p>-- EEZ border V11 (Flanders Marine Institute, 2019).</p>                   | <p>Seasonal sea level anomaly (Image 8):</p> <p>Difference from average sea surface height forecast for October to December 2026</p> <p>Base period: 1981-2018<br/>Model: ACCESS-S2<br/>Model run: 05/09/2026<br/>Issued: 08/09/2026</p>  <p>© Commonwealth of Australia 2026, Bureau of Meteorology, supported by COSPPac</p> <p>-- EEZ border V11 (Flanders Marine Institute, 2019).</p>                   |
| <p>National 4-week Coral Bleaching Outlook (Image 9):</p> <p>Vanuatu<br/>4 Week Coral Bleaching Outlook: 28 September 2026</p>  <p>© Pacific Community (SPC) 2025</p> <p>NOAA</p>                                                                                                                                                                                                              | <p>Pacific 4-week Coral Bleaching Outlook (Image 10):</p>                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## **Summary Statement**

### **Monthly and last three months: August/June to August 2026 statement**

The rainfall for August was above normal over Nanumea, Nui, Funafuti and Niulakita. For the past three months, rainfall was above normal across the country, except Niulakita was near normal. Nanumea recorded its 8<sup>th</sup> highest rank, and Nui the 6<sup>th</sup> highest rank for the period from June to August 2026.

## **Part 1i. Monthly and Seasonal Outlooks for October and October to December 2026**

### **Monthly/Seasonal rainfall and temperature Outlook statements**

The rainfall for October 2026 is likely or very likely to be above normal over the northern group, near normal over the central group and below normal over the southern group

The rainfall for October to December 2026 is likely or very likely to be above normal for the northern group, below normal for the southern group, and offer a little guidance for the central group.

Maximum and minimum temperatures during October 2026 are likely or very likely to be above normal across the group except except a little portion of near normal at the far end of the southern EEZ of Tuvalu.

Maximum and minimum temperatures averaged over October to December 2026 are likely or very likely to be above normal across the whole group.

## **Part 2: Recent Ocean summary statement**

### **Monthly and last three months: August/June to August 2026**

August sea surface temperatures (SSTs) around Tuvalu were -0.4 to 0.4°C near-normal to 0.4 to 0.8°C above normal.

Averaged over June to August 2026, sea surface temperatures around Tuvalu EEZ were -0.4 to 0.4°C near normal to 0.4 to 2.0°C above normal.

August sea levels around Tuvalu were 30 to 100mm below normal, -30 to 30mm near-normal and 30 to 100mm above normal.

A coral bleaching No Stress to Watch status are currently in effect for the whole group of Tuvalu as of 6<sup>th</sup> September.

## **Part 2i. Monthly and Seasonal Outlooks for October and October to December 2026**

### **Ocean Variable statement**

October and averaged over October to December 2026, sea surface temperatures around Tuvalu are predicted to be -0.4 to 0.4° C near-normal to 0.4 to 0.8° C above normal.

October and averaged over October to December 2026 sea levels around Tuvalu are predicted to be 30 to 200mm below normal .

Coral Bleaching outlook indicates No Stress status for the next 4 weeks.

## **In brief for Teleconference**

- Rainfall was near normal to above normal for August and June to August 2026, except Niulakita where rainfall was above normal in August and June to August was near normal.
- The rainfall outlook generally indicates above normal for the northern group, near normal for the central group and below normal for the southern group most likely in October 2026 over October to December 2026.
- SSTs were above normal for August and June to August 2026. The outlook shows above normal SSTs for the next one and three months.
- Sea levels were below normal for August. Below normal sea levels are predicted for October and October to December 2026.
- No Stress to Alert Level 2 status of coral bleaching until 21<sup>st</sup> December 2026.

**TABLE 3: Stakeholder Engagement – Evaluations of how effective NMS engage with stakeholders (August 2026)**

| <i>Product</i>          | <i>Stakeholder</i>                  | <i>Total Number of Participants</i> | <i>Number of Male</i> | <i>Number of Female</i> | <i>Disability</i> | <i>Age group</i> | <i>Comments (If there are comments from you Stakeholders)</i> |
|-------------------------|-------------------------------------|-------------------------------------|-----------------------|-------------------------|-------------------|------------------|---------------------------------------------------------------|
| <b>Climate Bulletin</b> | MET Staff                           | 30                                  | 18                    | 12                      |                   |                  |                                                               |
|                         | Disaster Dept                       | 2                                   | 1                     | 1                       |                   |                  |                                                               |
|                         | TRC                                 | 2                                   |                       | 2                       |                   |                  |                                                               |
|                         | TuCAN                               | 1                                   | 1                     |                         |                   |                  |                                                               |
|                         | Agriculture                         | 3                                   | 2                     | 1                       |                   |                  |                                                               |
|                         | Head Quarter                        | 2                                   | 1                     | 1                       |                   |                  |                                                               |
|                         | (PWIDW)                             | 14                                  | 10                    | 4                       |                   |                  |                                                               |
|                         | All-Island Council                  | 1                                   | 1                     |                         |                   |                  |                                                               |
|                         | Permanent                           | 1                                   | 1                     | 1                       |                   |                  |                                                               |
|                         | Sec Gov                             | 2                                   |                       |                         |                   |                  |                                                               |
|                         | Fisheries Dept                      |                                     | 1                     | 1                       |                   |                  |                                                               |
|                         | Health Dept                         | 2                                   | 1                     |                         |                   |                  |                                                               |
|                         | TEC Dept                            | 1                                   | 1                     |                         |                   |                  |                                                               |
|                         | Environment                         | 1                                   |                       | 1                       |                   |                  |                                                               |
|                         | Climate Change                      | 1                                   |                       |                         |                   |                  |                                                               |
|                         | Tuvalu                              | 1                                   |                       |                         |                   |                  |                                                               |
|                         | Maritime                            | 1                                   |                       |                         |                   |                  |                                                               |
|                         | School                              |                                     |                       | 1                       |                   |                  |                                                               |
|                         | Fusialofa Association               | 1                                   |                       | 1                       |                   |                  |                                                               |
|                         | Tuvalu National Woman Council (TWC) | 1                                   |                       |                         |                   |                  |                                                               |
| <b>EAR Watch</b>        | MET Staff                           | 30                                  | 18                    | 12                      |                   |                  |                                                               |
|                         | Disaster Dept                       | 2                                   | 1                     | 1                       |                   |                  |                                                               |
|                         | TRC                                 | 2                                   |                       | 2                       |                   |                  |                                                               |
|                         |                                     |                                     | 1                     |                         |                   |                  |                                                               |

|                                         |                      |    |    |    |  |  |  |
|-----------------------------------------|----------------------|----|----|----|--|--|--|
|                                         | TuCAN                | 1  | 2  | 1  |  |  |  |
|                                         | Agriculture          | 3  | 1  | 1  |  |  |  |
|                                         | Head<br>Quarter      | 2  | 10 | 4  |  |  |  |
|                                         | (PWIDW)              |    |    |    |  |  |  |
|                                         | All-Island           | 14 | 1  |    |  |  |  |
|                                         | Counsil              |    |    |    |  |  |  |
|                                         | Permanen<br>t        | 1  | 1  | 1  |  |  |  |
|                                         | Sec Gov              | 2  | 1  | 1  |  |  |  |
|                                         | Fisheries<br>Dept    |    | 1  |    |  |  |  |
|                                         | Health<br>Dept       | 2  | 1  |    |  |  |  |
|                                         | TEC Dept             | 1  |    | 1  |  |  |  |
|                                         | Environme<br>nt      | 1  |    |    |  |  |  |
|                                         | Climate<br>Change    | 1  |    | 1  |  |  |  |
|                                         | Tuvalu               |    |    |    |  |  |  |
|                                         | Maritime             | 1  |    |    |  |  |  |
|                                         | School               | 1  |    | 1  |  |  |  |
|                                         | Fusialofa            |    |    |    |  |  |  |
|                                         | Associatio<br>n      | 1  |    | 1  |  |  |  |
|                                         | Tuvalu               |    |    |    |  |  |  |
|                                         | National<br>Woman    | 1  |    |    |  |  |  |
|                                         | Counsil<br>(TWC)     |    |    |    |  |  |  |
| <b>Monthly<br/>Climate<br/>Briefing</b> | Climate<br>Division  | 4  | 2  | 2  |  |  |  |
|                                         | Forecast<br>Division | 2  | 2  |    |  |  |  |
| <b>Ocean<br/>Outlook</b>                | MET Staff            | 30 | 18 | 12 |  |  |  |
|                                         | Disaster<br>Dept     | 2  | 1  | 1  |  |  |  |
|                                         | TRC                  | 2  |    | 2  |  |  |  |
|                                         | TuCAN                | 1  | 1  |    |  |  |  |
|                                         | Agriculture          | 3  | 2  | 1  |  |  |  |
|                                         | Head<br>Quarter      | 2  | 1  | 1  |  |  |  |
|                                         | (PWIDW)              |    | 10 | 4  |  |  |  |
|                                         | All-Island           | 14 |    |    |  |  |  |
|                                         | Counsil              |    | 1  |    |  |  |  |
|                                         |                      |    |    |    |  |  |  |

|                                                                                       |                                                                                                                                                                                                                            |                                                                                  |                                                                                  |                                                             |  |  |  |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------|--|--|--|
|                                                                                       | Permanent<br>Sec Gov<br>Fisheries<br>Dept<br>Health<br>Dept<br>TEC Dept<br>Environment<br>Climate<br>Change<br>Tuvalu<br>Maritime<br>School<br>Fusialofa<br>Association<br>Tuvalu<br>National<br>Woman<br>Council<br>(TWC) | 1<br><br>2<br><br>2<br>1<br>1<br>1<br>1<br><br>1<br><br>1<br>1<br><br>1<br><br>1 | 1<br><br>1<br>1<br>1<br><br><br><br><br><br><br><br><br><br>1<br>1<br><br>1<br>1 | 1<br><br>1<br><br><br>1<br>1<br><br>1<br><br><br>1<br><br>1 |  |  |  |
| AgroClimate<br>Bulletin                                                               | Agriculture<br>Department                                                                                                                                                                                                  | 7                                                                                | 5                                                                                | 2                                                           |  |  |  |
| Climate<br>data<br>request                                                            |                                                                                                                                                                                                                            |                                                                                  |                                                                                  |                                                             |  |  |  |
| Outreach<br>programs<br><br>Traditional<br>Knowledge<br>Workshop<br>with<br>Fishermen | Women<br>with<br>handicrafts<br><br>                                                                                                    |                                                                                  |                                                                                  |                                                             |  |  |  |
|                                                                                       | Local<br>Fisherman<br><br>                                                                                                              |                                                                                  |                                                                                  |                                                             |  |  |  |

|              |  |  |  |  |  |  |
|--------------|--|--|--|--|--|--|
| <b>Total</b> |  |  |  |  |  |  |
|--------------|--|--|--|--|--|--|

| <b>Stakeholder category</b>                           | <b>Do your products reach this group? (Y/N)</b> | <b>Tailored product? (Y/N)</b> |
|-------------------------------------------------------|-------------------------------------------------|--------------------------------|
| <b>Agriculture sector</b>                             |                                                 |                                |
| <b>Disaster Risk Reduction sector</b>                 |                                                 |                                |
| <b>Energy sector</b>                                  |                                                 |                                |
| <b>Health sector</b>                                  |                                                 |                                |
| <b>Water sector</b>                                   |                                                 |                                |
| <b>Fisheries and Aquaculture sector</b>               |                                                 |                                |
| <b>Tourism sector</b>                                 |                                                 |                                |
| <b>Maritime sector</b>                                |                                                 |                                |
| <b>Research &amp; education sector</b>                |                                                 |                                |
| <b>Women's <input type="checkbox"/> organisations</b> |                                                 |                                |
| <b>National disability organisations</b>              |                                                 |                                |
| <b>Community based organisations (e.g. councils)</b>  |                                                 |                                |
| <b>Products offered in local dialects/ languages</b>  |                                                 |                                |

**Table 4: Impacts of Severe weather and climate events**

Country: \_\_\_\_\_

ENSO Phase: El Nino

| Synoptic Situation                                  | Date                                   | Type of Hazard                                                                                                                       | Impacts                                                                                                                               | Image                                                                                                                                                                  | Latitude | Longitude | Sectors affected | No. of Deaths |
|-----------------------------------------------------|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------|------------------|---------------|
| Trough of low pressure lies slow moving over Tuvalu | 5 <sup>th</sup> -13 <sup>th</sup> Aug  | Easterly winds 15 to 20 knots gusting up to 25 knots over land areas                                                                 | Faleumu(family local kitchen) damaged. Food crops, including banana and breadfruit, were damaged/destroyed Ship Schedule was changed. |   |          |           |                  |               |
| Weak cloud band move slowly over Tuvalu             | 21 <sup>st</sup> -28 <sup>th</sup> Aug | Cloudy periods with chance of passing showers of rain at times. Easterly winds 15 to 20 knots gusting up to 25 knots over land areas |                                                                                                                                       |                                                                                                                                                                        |          |           |                  |               |