

# Product Guide

## Five-Day Tropical Cyclone Outlook

Title: Five-Day Tropical Cyclone Outlook Guide			
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Written by: SO(F)	Approved by: PSO (F)	Effective Date	2026-04-09

### Overview

The **5-Day Tropical Cyclone Outlook** is a meteorological product issued by the Tropical Cyclone Centre, RSMC Nadi. It provides forecasts and probabilities of tropical cyclone formation across the South Pacific region (Equator to 25°S and 160°E to 120°W). This guide explains the structure, purpose, and usage of the outlook.

### Purpose

- Monitor potential tropical cyclone development.
- Provide early warnings for communities and stakeholders.
- Support disaster preparedness and risk management.

### Key Features

- **Coverage Area:** Equator to 25°S, 160°E to 120°W.
- **Update Frequency:** Issued daily at 0400 UTC [1600 FST].
- **Forecast Period:** Five days ahead.
- **Cyclone Probability Categories:**
  - Very Low (<5%)
  - Low (5–20%)
  - Moderate (20–50%)
  - High (>50%)

### Structure of the Outlook

1. **Header Information:**
  - Issue time and date.
  - Next scheduled update.
  - Issuing authority.
2. **Existing Cyclones:**
  - Notes if any tropical cyclones are currently active.

3. **Forecast Discussion:**
  - Highlights areas of low pressure or potential cyclone development.
  - Provides day-by-day cyclone formation potential.
4. **Probability Maps:**
  - Tabular data showing cyclone formation probabilities.
  - Geographic references (e.g., Vanuatu, Fiji, Samoa).
  - Legends explaining probability categories.

## Example

- **Thursday:** Very Low potential.
- **Friday:** Very Low potential.
- **Saturday:** Very Low potential.
- **Sunday:** Low potential near Vanuatu; Very Low elsewhere.
- **Monday:** Low potential near Vanuatu; Very Low elsewhere.

## How to Use the Outlook

- **Emergency Managers:** Plan resource allocation and readiness measures.
- **Mariners & Aviation:** Adjust routes and schedules based on cyclone risk.
- **Communities:** Stay informed and prepare for possible weather changes.

## Limitations

- Probabilities are estimates based on current meteorological data.
- Conditions may change rapidly; daily updates must be monitored.

## Conclusion

The **5-Day Tropical Cyclone Outlook** is a vital tool for anticipating cyclone activity in the South Pacific. By providing clear probabilities and regional focus, it helps governments, organizations, and individuals prepare for potential tropical cyclone impacts.

# Sample of the Product

## 5 - DAY TROPICAL CYCLONE OUTLOOK

Equator to 25S and 160E to 120W

Issue Time: 0400 UTC Sunday 05<sup>th</sup> April 2026.

Next Issue: 0400 UTC Monday 06<sup>th</sup> April 2026.

Issued by: Tropical Cyclone Centre, RSMC, Nadi.

Existing Tropical Cyclones: Nil

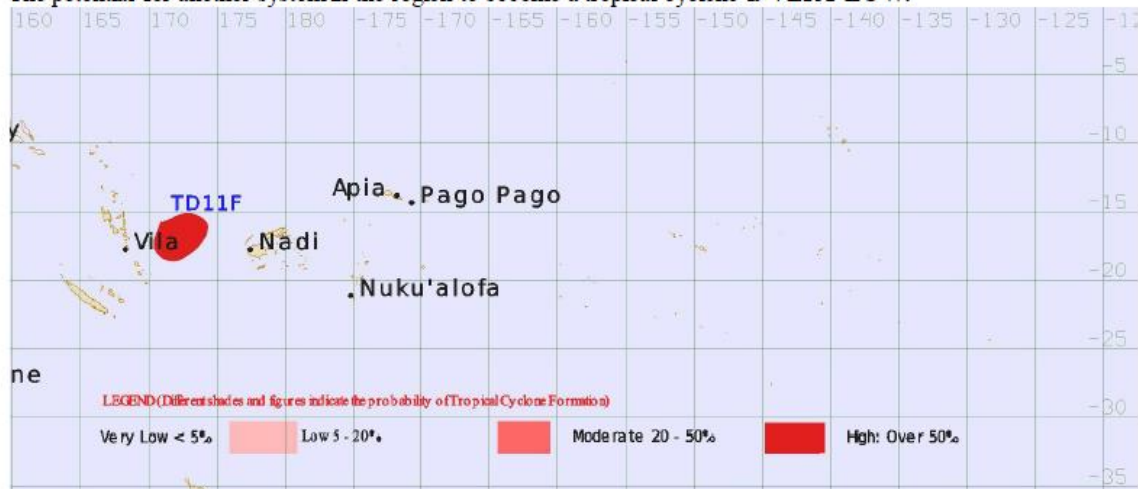
Tropical Depression D11F center 998hPa was analysed near 13.9S 171.7E at 050000UTC. TD11F is moving south at about 07 knots.

The Potential for Tropical Cyclone formation in the region for the next five days till Friday 10<sup>th</sup> April, 2026 is as follows:

Monday 06<sup>th</sup> April

The potential for TD11F to become a Tropical Cyclone in the region is **MODERATE TO HIGH**.

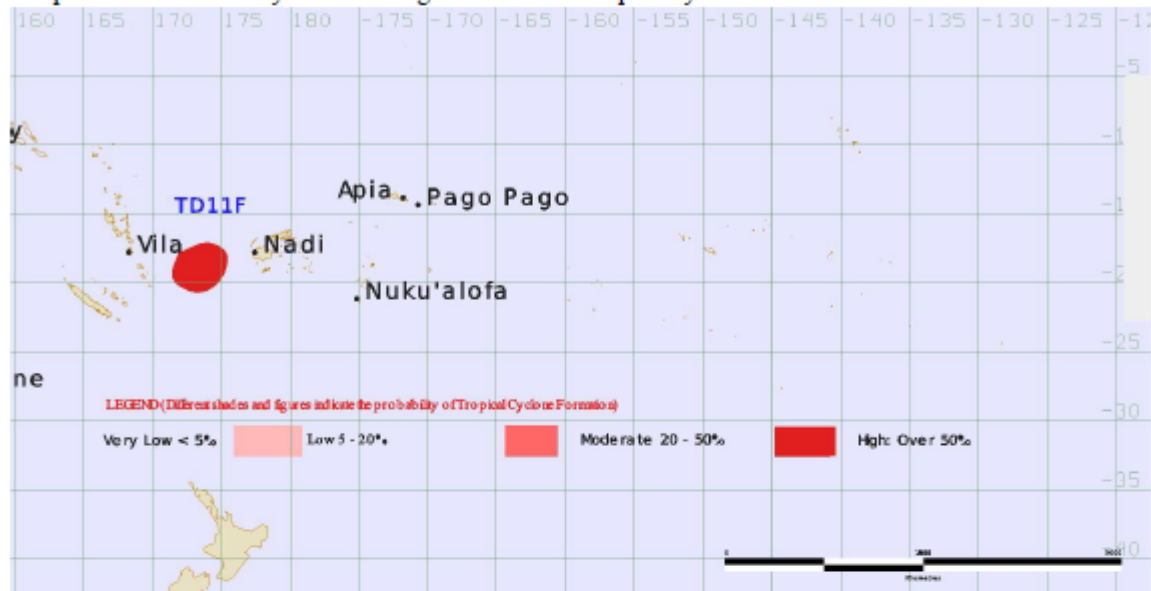
The potential for another system in the region to become a tropical cyclone is **VERY LOW**.



**Tuesday 07<sup>th</sup> April**

The potential for TD11F to become a Tropical Cyclone in the region is **MODERATE TO HIGH**.

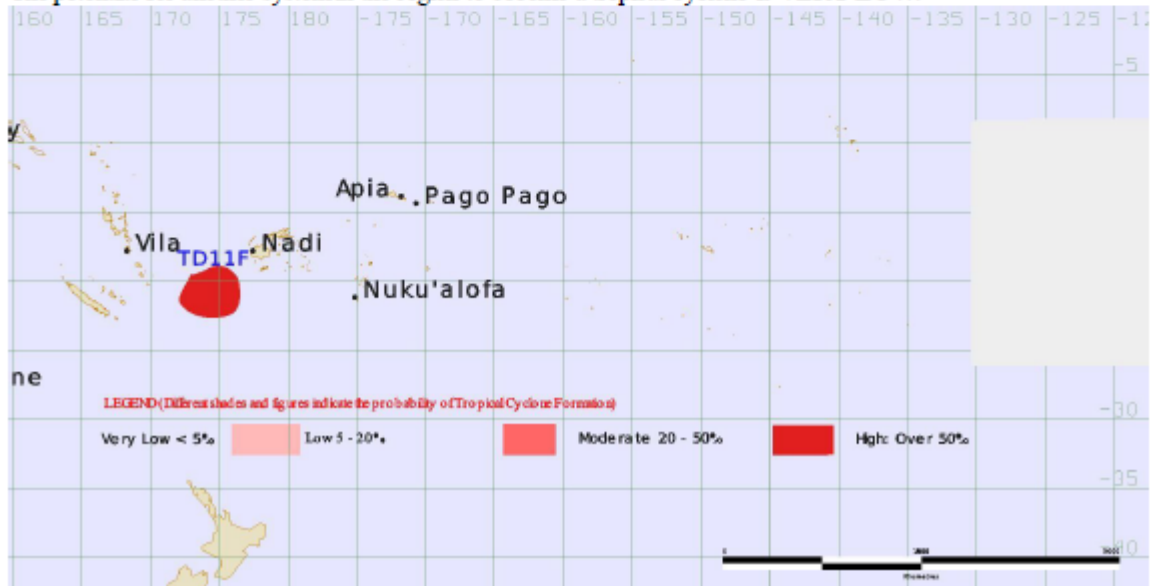
The potential for another system in the region to become a tropical cyclone is **VERY LOW**.



**Wednesday 08<sup>th</sup> April**

The potential for TD11F to become a Tropical Cyclone in the region is **MODERATE TO HIGH**.

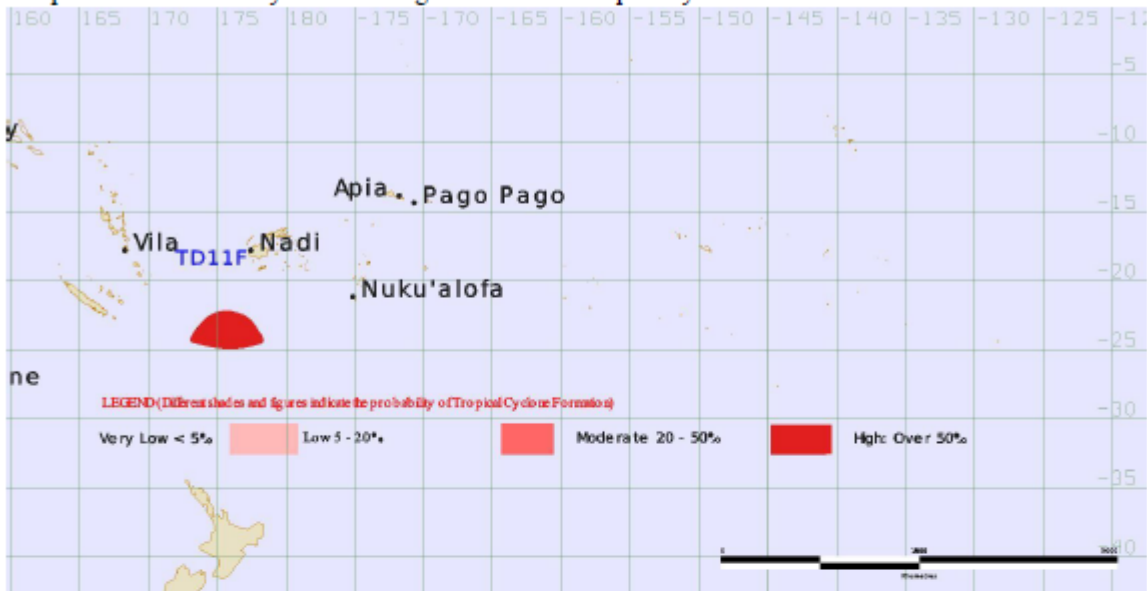
The potential for another system in the region to become a tropical cyclone is **VERY LOW**.



Thursday 09<sup>th</sup> April

The potential for TD11F to become a Tropical Cyclone in the region is **MODERATE TO HIGH**.

The potential for another system in the region to become a tropical cyclone is **VERY LOW**.



Friday 10<sup>th</sup> April

The potential for TD11F to become a Tropical Cyclone in the region is **VERY LOW**.

The potential for another system in the region to become a tropical cyclone is **VERY LOW**.

