

Tropical Cyclone Winston - Estimated Impacts

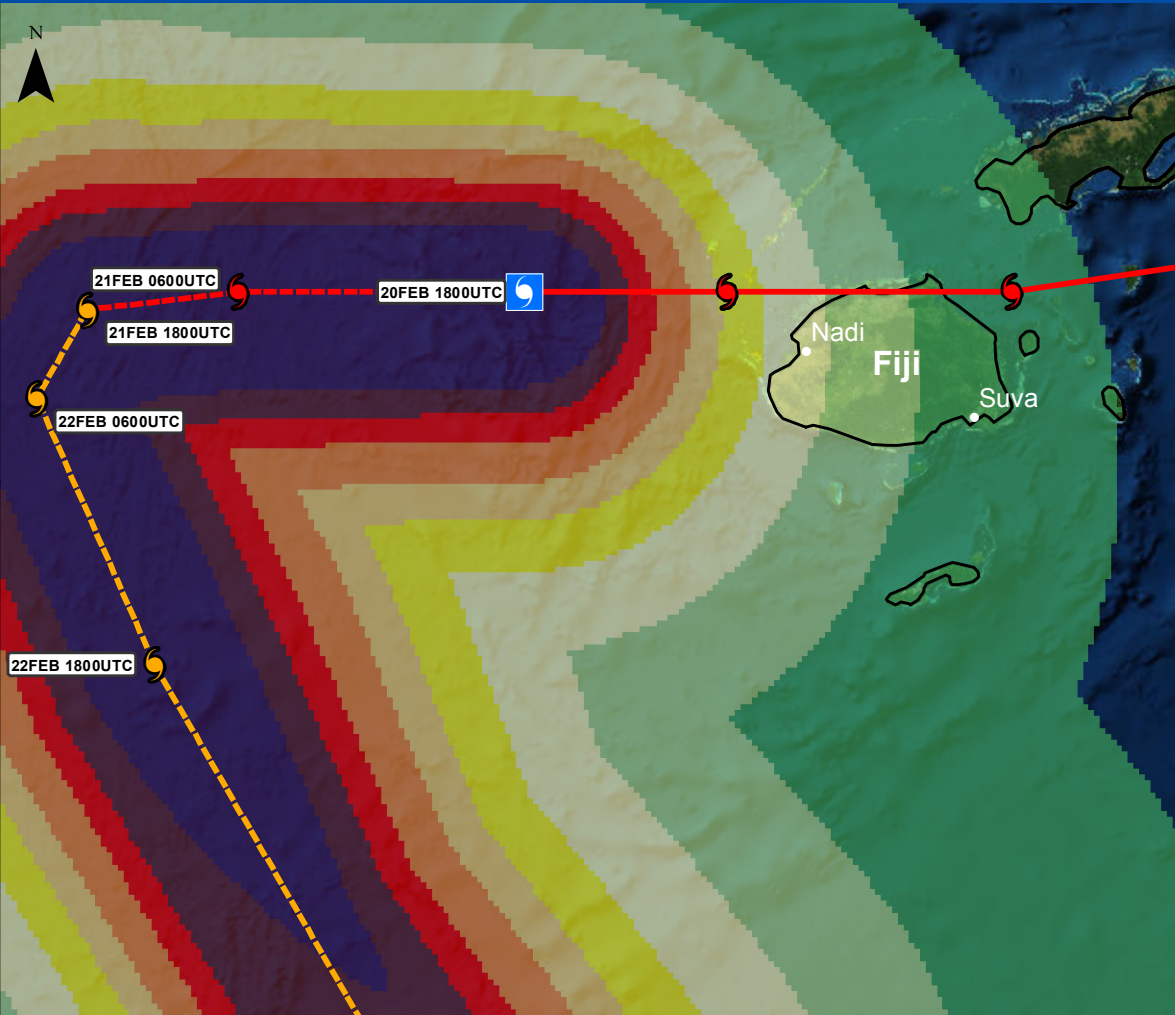
Warning 31, 20 February 2016 2100 UTC



PDC11P - 31A

[JTWC] Summary: TROPICAL CYCLONE 11P (WINSTON), LOCATED APPROXIMATELY 154 NM WEST-NORTHWEST OF SUVA, FIJI, HAS TRACKED WESTWARD AT 11 KNOTS OVER THE PAST SIX HOURS...BY TAU 36 THE STEERING STR WILL RETROGRADE TO THE WEST ALLOWING A SECONDARY RIDGE TO BUILD IN JUST EAST OF THE SYSTEM, AND IN RESPONSE TC WINSTON WILL MAKE A SHARP TURN POLEWARD. DURING THIS TRANSITION TO A SOUTHWARD TRACK, TC WINSTON WILL TAP INTO AN UPPER LEVEL TROUGH, ENHANCING UPPER-LEVEL OUTFLOW, AND THEREFORE INTENSITY IS KEPT CONSISTENT BETWEEN TAUS 36 AND 48. AFTER TAU 72, AS THE SYSTEM ACCELERATES SOUTHWARD, IT WILL ENCOUNTER INCREASINGLY UNFAVORABLE CONDITIONS AS MODERATE TO HIGH VWS AND DECREASING SSTs COMBINE TO RAPIDLY WEAKEN THE STORM. IN THE EXTENDED FORECAST, AS THE CYCLONE NEARS TROPICAL STORM INTENSITY, A LOW TO MID-LEVEL STR LOCATED TO THE SOUTH WILL FORCE THE SYSTEM WESTWARD ONCE AGAIN. DYNAMIC MODEL GUIDANCE IS IN FAIR AGREEMENT THROUGH TAU 48, BUT INCREASINGLY UNCERTAIN AFTERWARDS REGARDING THE FORWARD SPEED AND TIMING OF THE TURN TO THE WEST. ALTHOUGH MODEL GUIDANCE SUPPORTS HIGH CONFIDENCE IN THE NEAR TERM, THE LACK OF MODEL AGREEMENT BEYOND TAU 48 LENDS LOW CONFIDENCE TO THE OVERALL JTWC TRACK FORECAST. MAXIMUM SIGNIFICANT WAVE HEIGHT AT 201800Z IS 40 FEET.

Estimated Wind Impacts

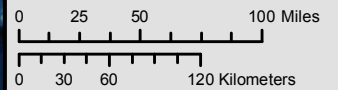


Tropical Cyclone Positions

- Hurricane/Typhoon >150 mph
- Hurricane/Typhoon > 74 mph
- Tropical Storm: 39-73 mph
- Tropical Depression: <39 mph
- Current Storm Position

Est. Wind Impacts (TAOS)

- Small Trees Sway
- Large Trees Sway
- Branches Breaking
- Trees Down; some power loss
- Minor Damage; power out
- Moderate Damage 5% of value
- Widespread Damage
- Severe Damage
- Catastrophic Damage



The delineation of political boundaries, and associated data shown here do not imply endorsement by the Pacific Disaster Center.

Produced By: PDC Disaster Services Team
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 Data: NOAA, TAOS Estimated Wind Impacts, Estimated Tropical Cyclone Rainfall, and Estimated Still Water Storm Surge forecasted by Kinetic Analysis Corporation
 Other Data: ESRI
 Projection: Mercator Datum WGS84

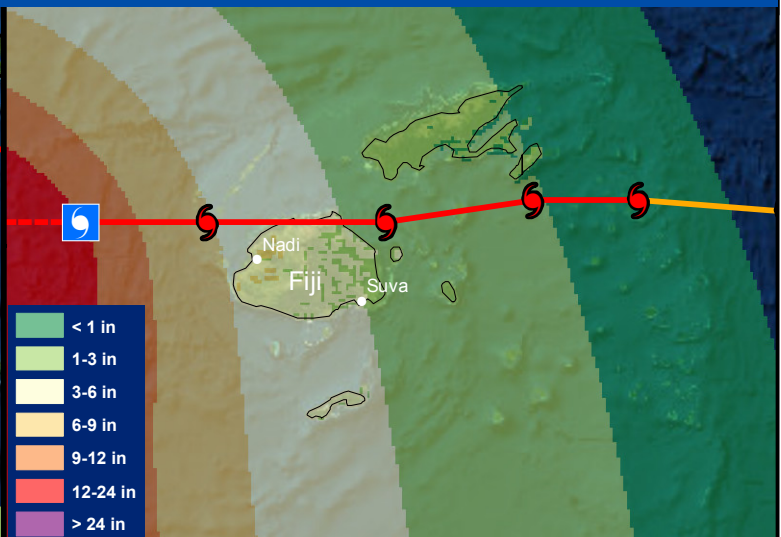
<http://www.pdc.org> - response@pdc.org

Estimated Still Water Storm Surge (TAOS)



- 1 to 3 ft
- 3 to 6 ft
- 6 to 9 ft
- 9 to 12 ft
- 12 to 15 ft
- 15 to 20 ft
- Over 20 ft

Estimated Tropical Cyclone Rainfall (TAOS)



- < 1 in
- 1-3 in
- 3-6 in
- 6-9 in
- 9-12 in
- 12-24 in
- > 24 in