Storm Analysis

As of 07/11/2014 15:00 ChST, water levels in Apra Harbor and Pago Bay are elevated 0.6 to 0.8 ft above predicted tide levels. Winds are increasing, with observed speeds between 6 and 8 knots. Wind gusts up to 10 knots have been observed at Pago Bay. Barometric pressure is steady across the island.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: TKM

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SELECT WFO GUAM ADVISORY INFORMATION:

TROPICAL STORM 09W ADVISORY NUMBER 3

200 PM CHST FRI JUL 11 2014

...TROPICAL DEPRESSION 09W BECOMES A TROPICAL STORM SOUTHEAST OF GUAM...
A TROPICAL STORM WARNING REMAINS IN EFFECT FOR GUAM AND ROTA. TROPICAL STORM CONDITIONS INCLUDING DAMAGING WINDS OF 39 MPH OR MORE ARE POSSIBLE WITHIN THE NEXT 24 HOURS.

A TROPICAL STORM WATCH REMAINS IN EFFECT FOR TINIAN AND SAIPAN. TROPICAL STORM CONDITIONS INCLUDING DAMAGING WINDS OF 39 MPH OR MORE ARE POSSIBLE WITHIN THE NEXT 48 HOURS.

DISCUSSION AND OUTLOOK

AT 0100 PM CST...0300 UTC...THE CENTER OF TROPICAL STORM 09W WAS LOCATED BY SATELLITE NEAR LATITUDE 12.2 NORTH...LONGITUDE 147.8 EAST.

TROPICAL STORM 09W IS MOVING WEST-NORTHWEST AT 15 MPH. THIS GENERAL MOTION WITH A SLIGHT DECREASE IN FORWARD SPEED IS EXPECTED THROUGH SATURDAY. THE CURRENT FORECAST TRACK BRINGS THE CENTER OF TROPICAL STORM 09W OVER GUAM AROUND SUNRISE ON SATURDAY.

MAXIMUM SUSTAINED WINDS HAVE INCREASED TO 40 MPH. TROPICAL STORM 09W IS EXPECTED TO INTENSIFY THROUGH THE WEEKEND.

ZIOBRO

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

NOAA/NOS/CO-OPS 1631428 Pago Bay, Guam

Preliminary Water Level, relative to Mean Higher High Water (MHHW)

Last Observed Sample: 07/11/2014 15:30 (ChST). Data relative to MHHW
Observed: -0.78 ft. Predicted: -1.25 ft. Residual: 0.47 ft.
Next High Tide: 07/11/2014 19:27 (ChST), -0.12 ft.

NOAA/NOS/CO-OPS 1631428 Pago Bay, Guam

Wind Speed / Gusts / Direction

Last Observed Sample: 07/11/2014 15:30 (ChST)
Wind Speed: 1 knots Gusts: 4 knots Direction: 335° T
NOAA/NOS/CO-OPS 1631428 Pago Bay, Guam

Barometric Pressure

Barometric Pressure

Last Observed Sample: 07/11/2014 15:30 (ChST)

Barometric Pressure: 1009.7 mb

NOAA/NOS/CO-OPS 1630000 Apra Harbor, Guam

Preliminary Water Level, relative to Mean Higher High Water (MHHW)

Last Observed Sample: 07/11/2014 15:30 (ChST). Data relative to MHHW

Observed: -1.18 ft. Predicted: -1.94 ft. Residual: 0.76 ft.

Historical Maximum Water Level: Aug 28 1992, 1.95 ft.

Next High Tide: 07/11/2014 19:47 (ChST), 0.07 ft.
NOAA/NOS/CO-OPS 1630000 Apra Harbor, Guam

**Wind Speed / Gusts / Direction**

- Last Observed Sample: 07/11/2014 15:30 (ChST)
- Wind Speed: 1 knots
- Gusts: 2 knots
- Direction: 100° T

**Barometric Pressure**

- Last Observed Sample: 07/11/2014 15:30 (ChST)
- Barometric Pressure: 1009.0 mb
Last Observed Sample: 07/11/2014 15:30 (ChST)
Water Temperature: 87.3° F  Air Temperature: 79.2° F
<table>
<thead>
<tr>
<th>Station ID</th>
<th>Station Name</th>
<th>Date/Time</th>
<th>Observed Water Level</th>
<th>Predicted Tide</th>
<th>Residual Water Level</th>
<th>24 Hour Maximum Storm Tide</th>
</tr>
</thead>
<tbody>
<tr>
<td>1631428</td>
<td>Pago Bay, Guam</td>
<td>07/11/2014 15:30 (ChST)</td>
<td>-0.78 ft</td>
<td>-1.25 ft</td>
<td>0.47 ft</td>
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<tr>
<td>1630000</td>
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