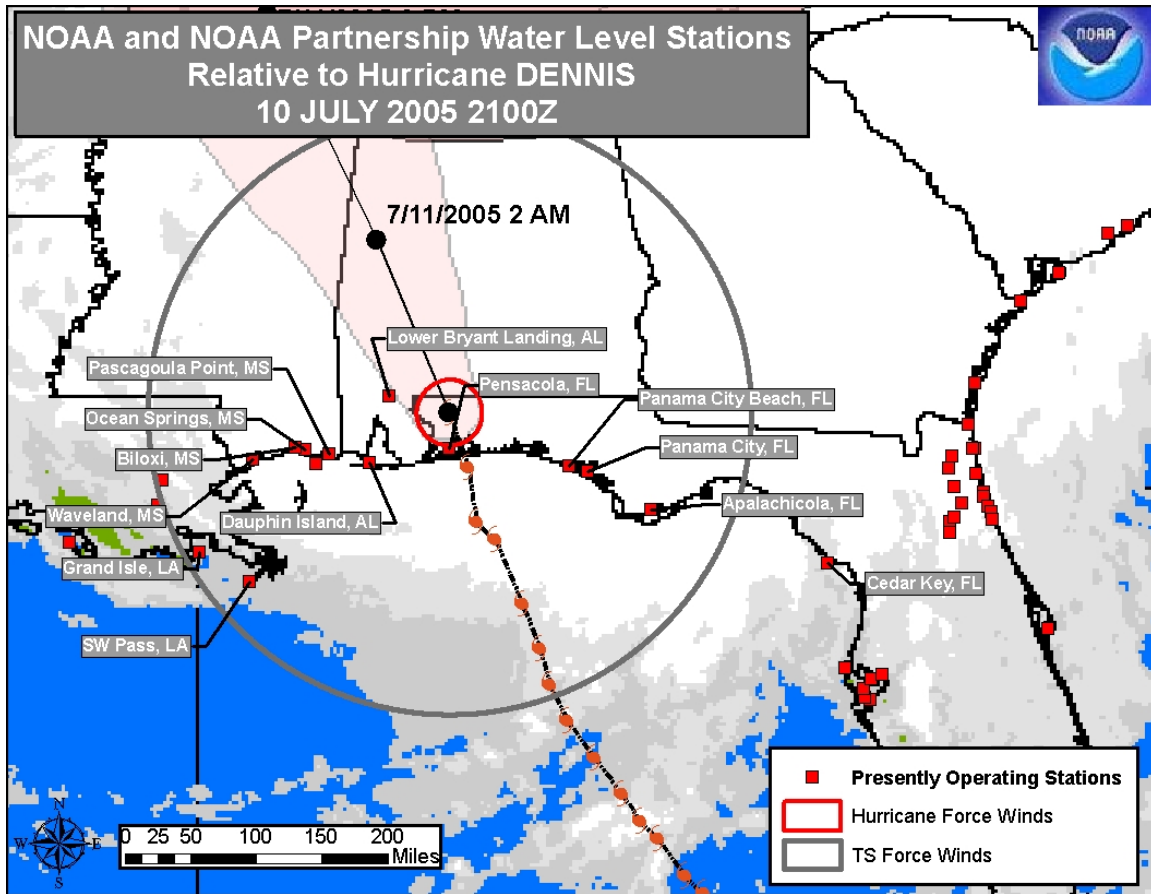


Preliminary Water Levels Report

Hurricane Dennis

Storm Tide Summary



noaa National Oceanic and Atmospheric Administration

U.S. DEPARTMENT OF COMMERCE
National Ocean Service
Center for Operational Oceanographic Products and Services

Hurricane Dennis made landfall near Pensacola, FL as Category 3 Hurricane on 10 July @ 4:00pm EDT. At the time of landfall maximum sustained winds were near 105 mph and the minimum central pressure was 950 MB. Water level stations from Key West, FL to Southwest Pass, LA were impacted by Hurricane Dennis.

Cedar Key, FL recorded the highest storm tide of 2.373m (7.785ft) above MLLW. Apalachicola, FL recorded 2.365 (7.760 ft); Panama City Beach, FL recorded 2.070m (6.791ft); Panama City, FL recorded 1.703m (5.587ft)

NOTE: Apalachicola, FL Storm Tide value is based on a backup sensor and is subject to NOS verification.

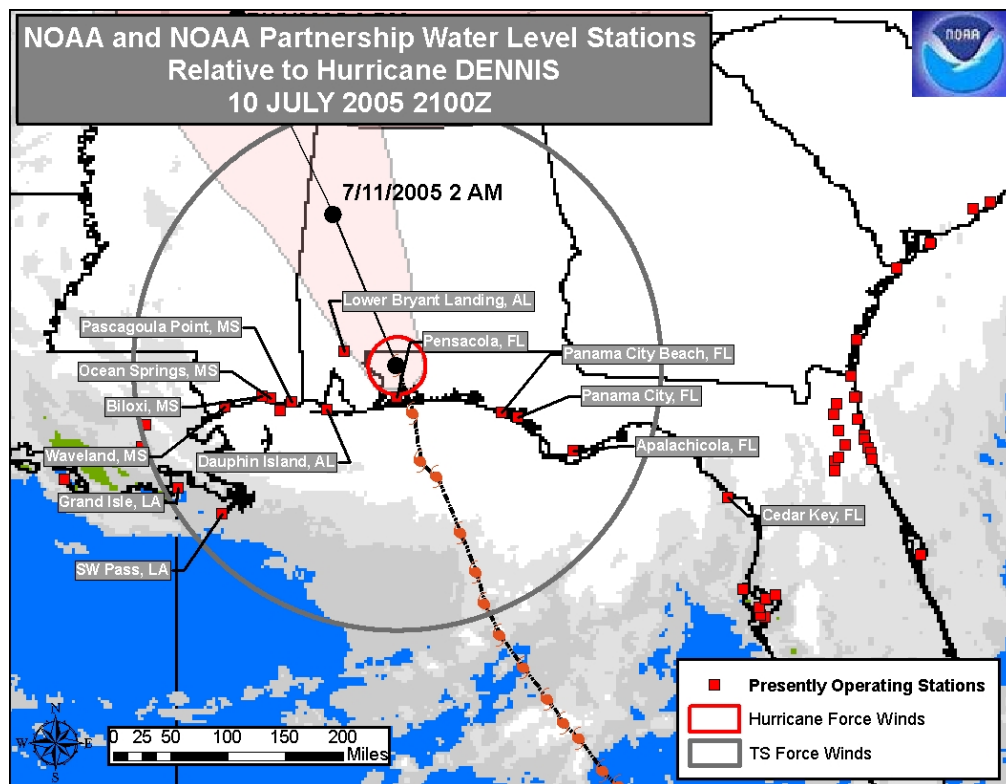


Figure 1. Hurricane Dennis made landfall near Pensacola, FL and continued north through Alabama on 10 July 05.

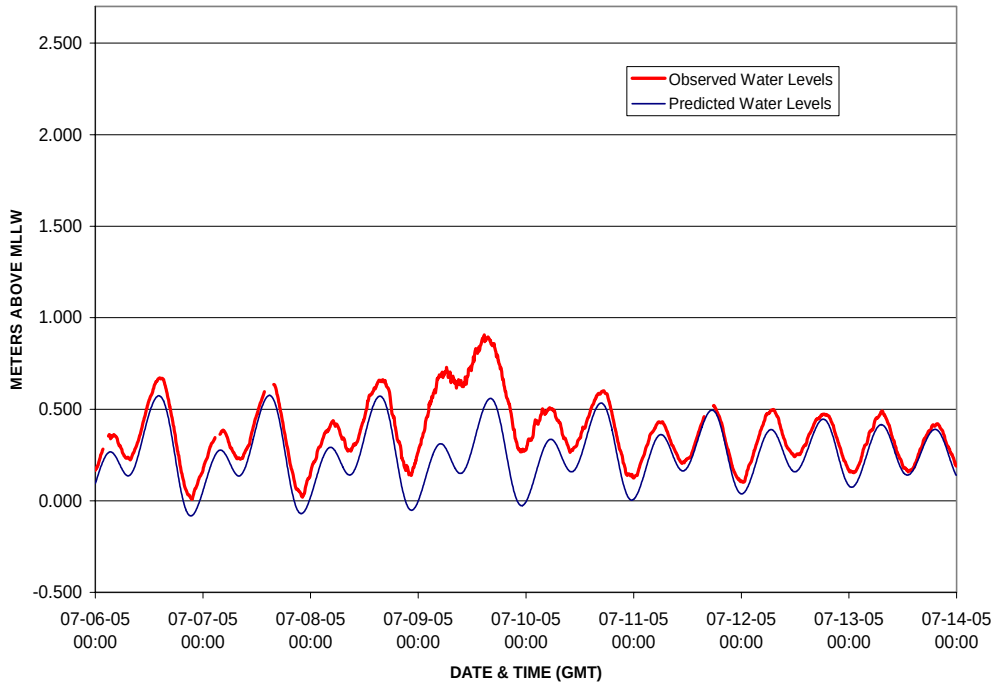
Table 1. Storm Tide Summary for Hurricane Dennis.

Station Name	Station ID	Latitude	Longitude	Date/Time GMT	Max Water Level above MLLW Storm Tide (m)	Predicted Water Levels (m)	Difference (m)	Max Water Level above MLLW Storm Tide (ft)	Predicted Water Levels (ft)	Difference (ft)
Key West, FL	8724580	24 33.2 N	81 48.5 W	07-09-05 14:42	0.906	0.514	0.392	2.973	1.686	1.287
Naples, FL	8725110	26 7.8 N	81 48.4 W	07-10-05 05:12	1.297	0.483	0.814	4.255	1.585	2.671
Fort Myers, FL	8725520	26 38. 8 N	81 52. 3 W	07-10-05 08:54	0.974	0.147	0.827	3.196	0.482	2.713
Cedar Key, FL	8727520	29 8.1 N	83 1.9 W	07-10-05 17:54	2.373	0.919	1.454	7.785	3.015	4.770
Clearwater, FL	8726724	27 58.7 N	82 49.9 W	07-10-05 11:48	1.569	0.387	1.182	5.148	1.270	3.878
Mt Kay Bay Entrance, FL	8726667	27 54.8 N	82 25.5 W	07-10-05 13:54	1.475	0.442	1.033	4.839	1.450	3.389
Apalachicola, FL	8728690	29 43.6 N	84 58.9 W	07-10-05 18:00	2.365	0.489	1.876	7.760	1.604	6.156
Panama City, FL	8729108	30 9.1 N	85 40.0 W	07-10-05 21:24	1.703	0.326	1.377	5.587	1.070	4.518
Panama City Beach, FL	8729210	30 12.8 N	85 52.7 W	07-10-05 19:18	2.070	0.366	1.704	6.791	1.201	5.591
Pensacola, FL	8729840	30 24.2 N	87 12.7 W	07-10-05 19:54	1.682	0.413	1.269	5.517	1.355	1.269
Dauphin Island, AL	8735180	30 15.0 N	88 4.5 W	07-10-05 19:06	1.089	0.354	0.735	3.573	1.161	2.411
Ocean Springs, MS	8743281	30 23.5 N	88 47.9 W	07-10-05 14:12	0.999	0.339	0.66	3.276	1.112	2.164
Waveland, MS	8747766	30 16.9 N	89 22.0 W	07-10-05 14:54	0.956	0.378	0.578	3.996	0.774	3.222
Biloxi, MS	8744117	30 24.7 N	88 54.2 W	07-10-05 14:18	1.024	0.344	0.68	3.360	1.129	2.231
Grand Isle, LA	8761724	29 15.8 N	89 57.4 W	07-11-05 17:36	0.613	0.293	0.320	2.011	0.961	1.050
Southwest Pass, LA	8760922	28 55.9 N	89 24.4 W	07-10-05 17:00	0.774	0.381	0.393	2.540	1.250	1.290

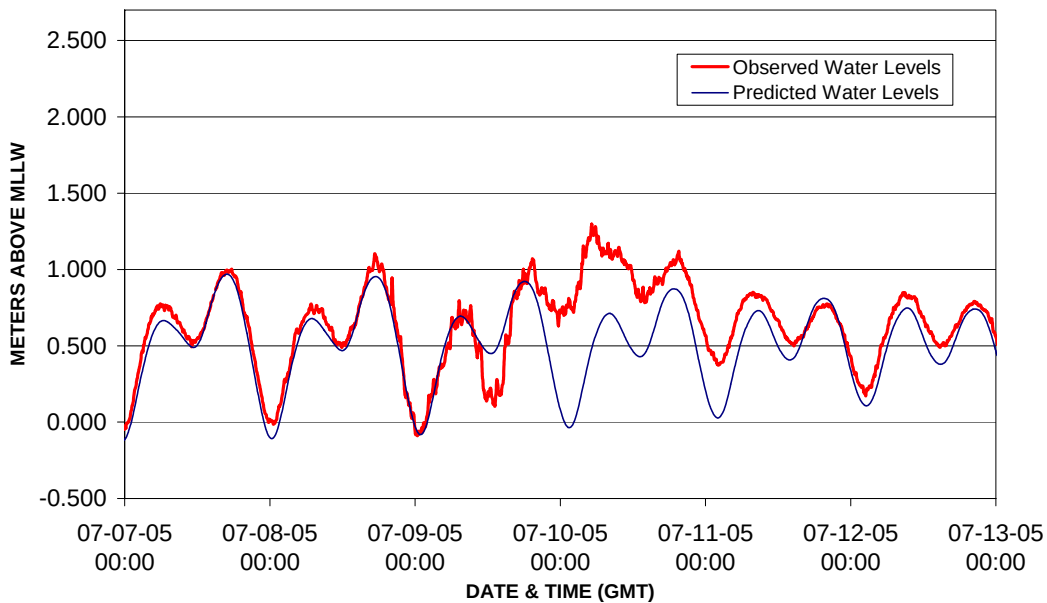
NOTE : Ocean Springs, MS Storm Tide Value is based on predictions from a nearby station and is subject to NOS verification. Apalachicola, FL Storm Tide Value is based on a back-up sensor and is subject to NOS verification.

STORM TIDE water levels obtained from direct observation of actual water levels above MLLW datum.

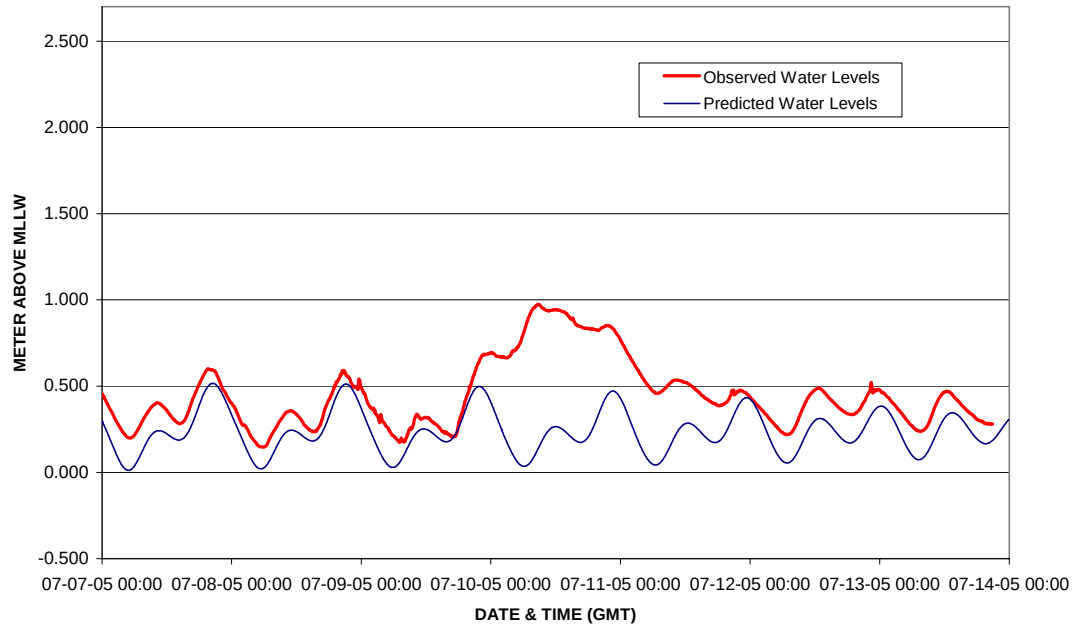
OBSERVED VS PREDICTED WATER LEVELS
8724580 KEY WEST FL
STORM TIDE 0.906m (2.973ft) 07-09-05 14:42 @ GMT



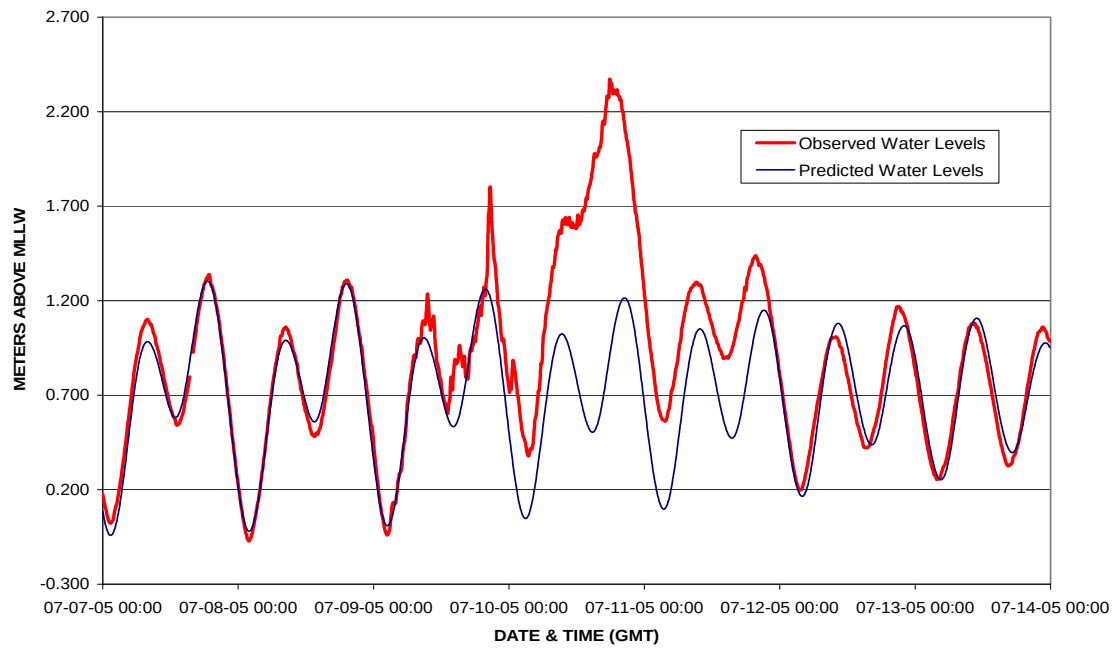
OBSERVED VS PREDICTED WATER LEVELS
8725110 NAPLES, GULF OF MEXICO FL
STORM TIDE 1.297 m (4.255ft) 07-10-05 05:12 GMT



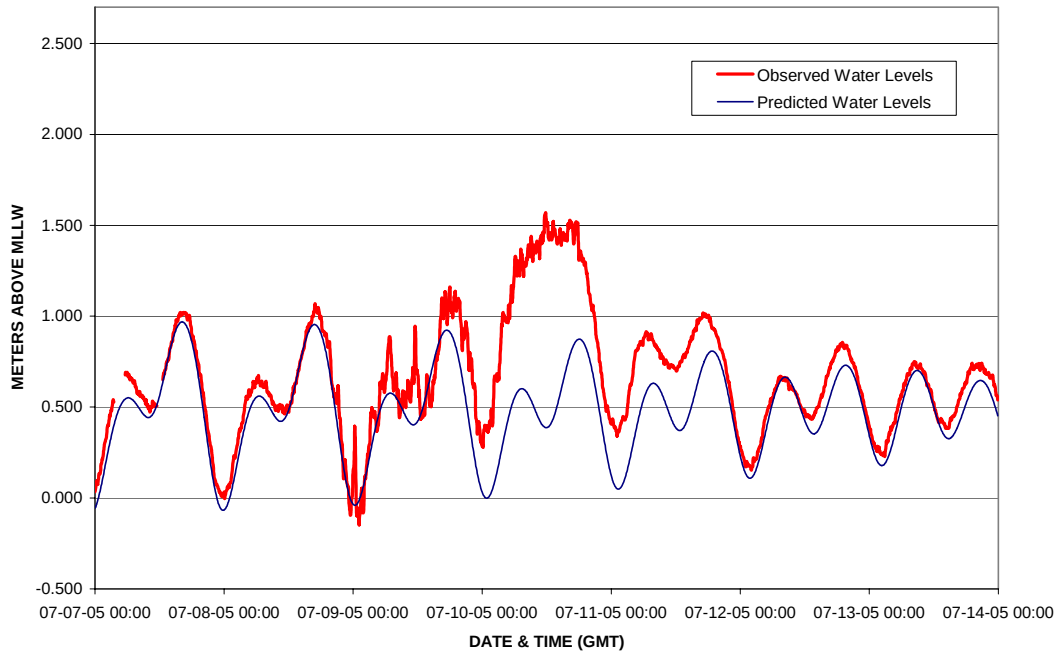
OBSERVED VS PREDICTED WATER LEVELS
8725520 FORT MYERS, FL
STORM TIDE 0.974m (3.196 ft) 07-10-05 @ 08:54 GMT



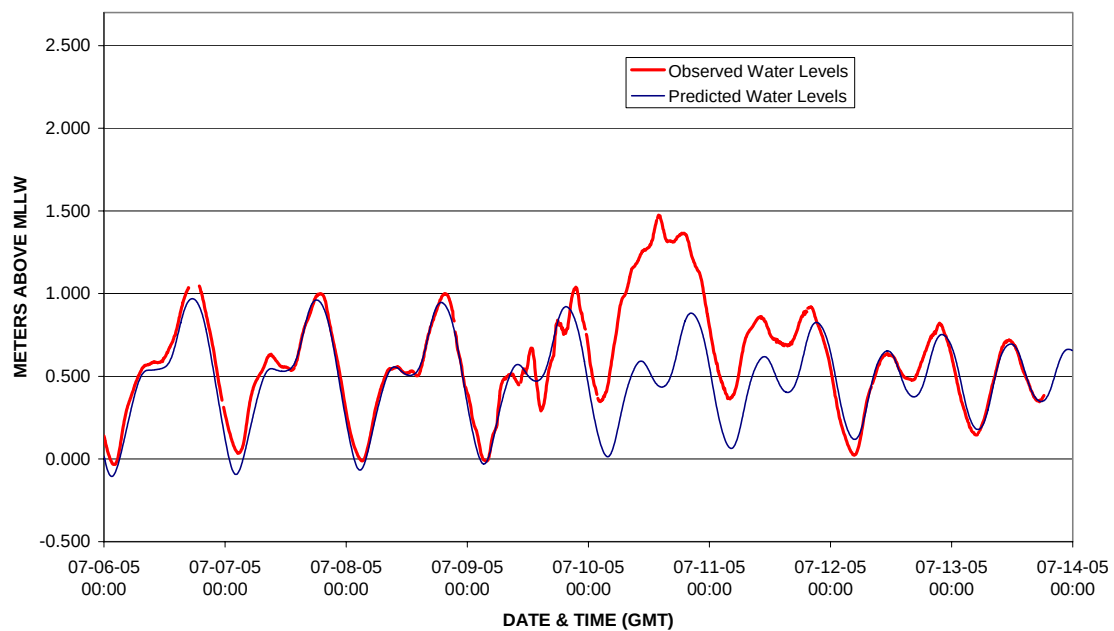
OBSERVED VS PREDICTED WATER LEVELS
8727520 CEDAR KEY, FL
STORM TIDE 2.373m (7.785 ft) 07-10-05 @ 17:54



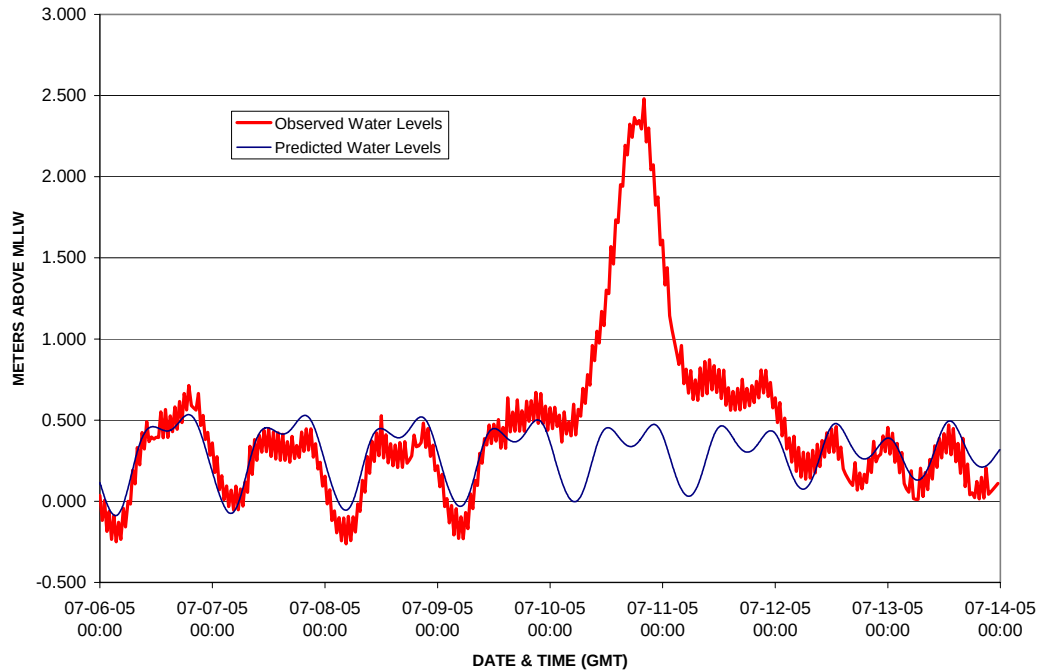
OBSERVED VS PREDICTED WATER LEVELS
8726724 CLEARWATER, FL
STORM TIDE 1.569m (5.148ft) 07-10-05 @ 11:48 GMT



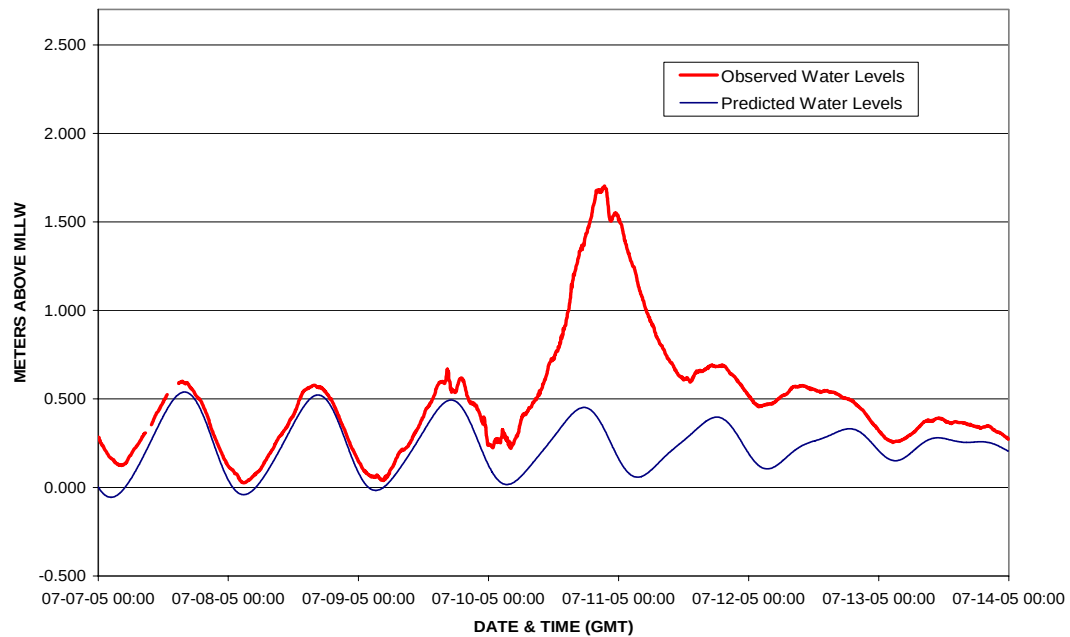
OBSERVED VS PREDICTED WATER LEVELS
8726667 CSX ROCKPORT, MCKAY BAY ENTRANCE FL
STORM TIDE 1.475m (4.839 ft) 07-10-05 @ 13:54



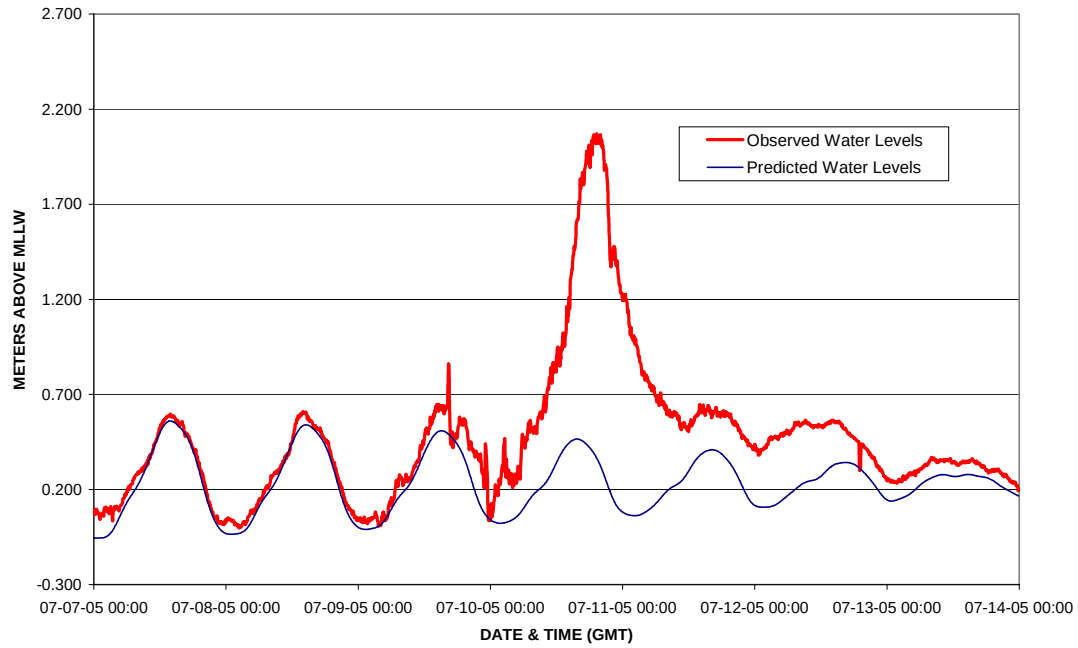
OBSERVED VS PREDICTED WATER LEVELS
8728690 APALACHICOLA, APALACHICOLA RIVER FL
STORM TIDE 2.365m (7.760ft) 07-10-05 @ 18:00 GMT



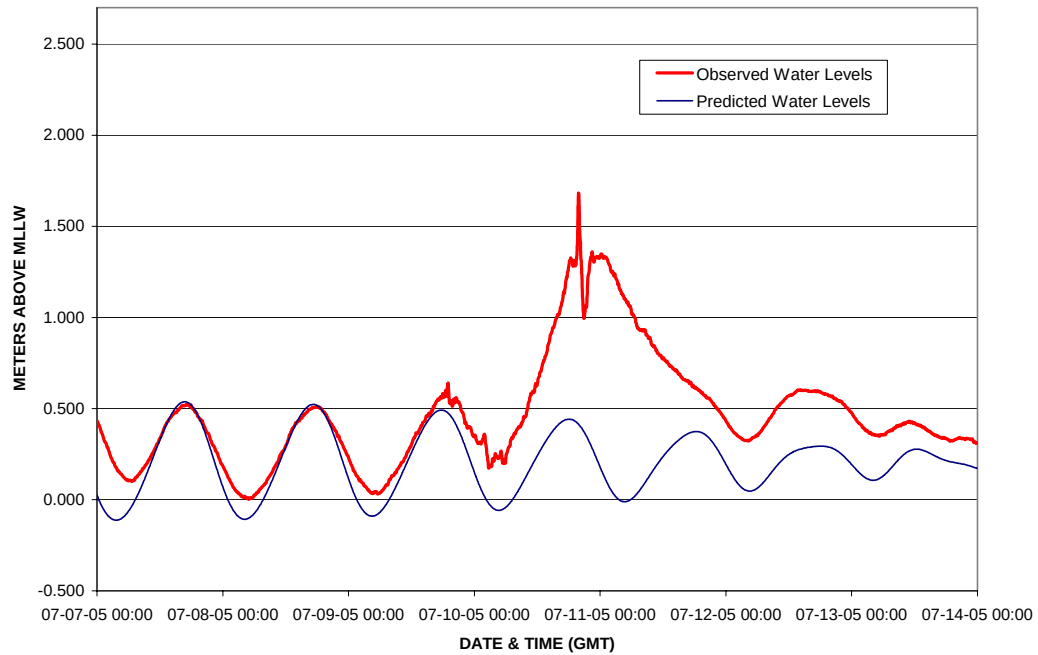
OBSERVED VS PREDICTED WATER LEVELS
8729108 PANAMA CITY, ST. ANDREW BAY FL
STORM TIDE 1.703 m (5.587 ft) 07-10-05 @ 21:24 GMT



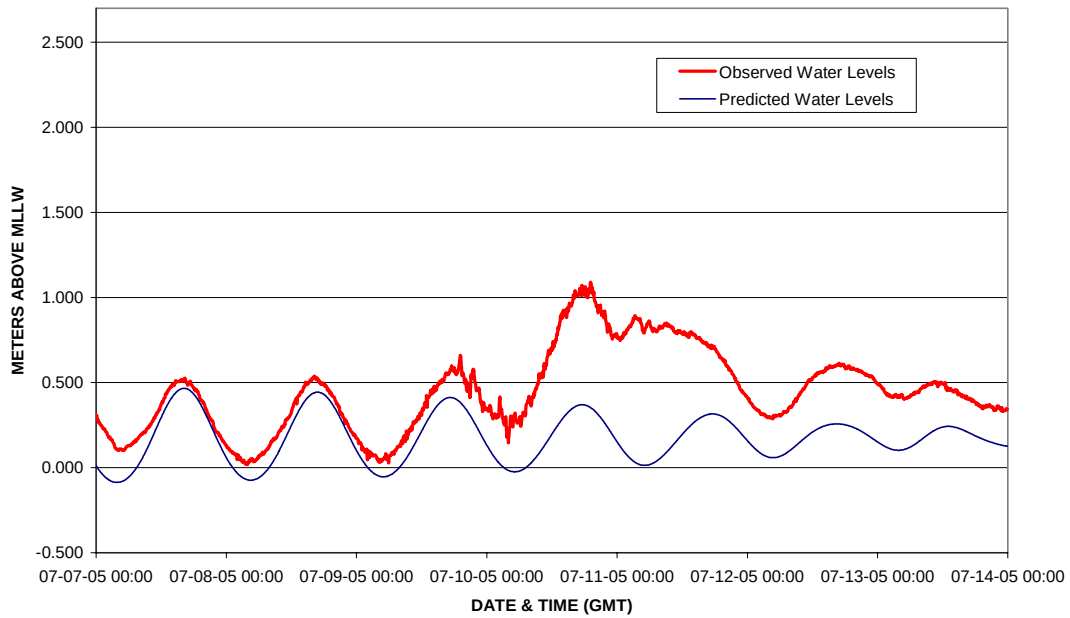
OBSERVED VS PREDICTED WATER LEVELS
8729210 PANAMA CITY BEACH, GULF OF MEXICO FL
STORM TIDE 2.070 m (6.791 ft) 07-10-05 @ 19:18 GMT



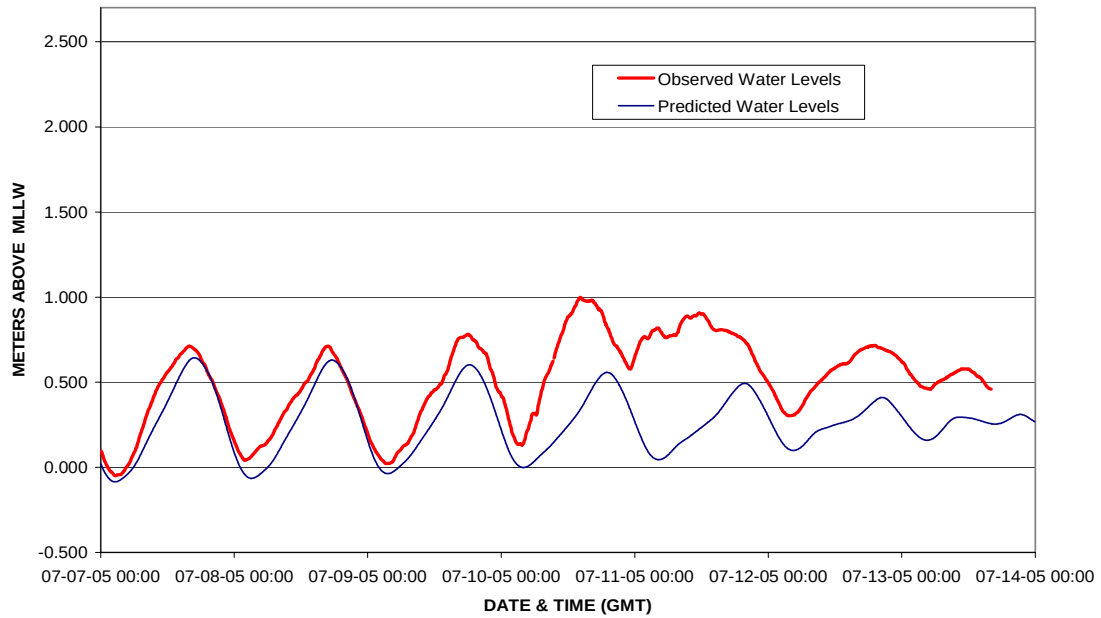
OBSERVED VS PREDICTED WATER LEVELS
8729840 PENSACOLA, FL
STORM TIDE 1.682m (5.517ft) 07-10-05 @ 19:54 GMT



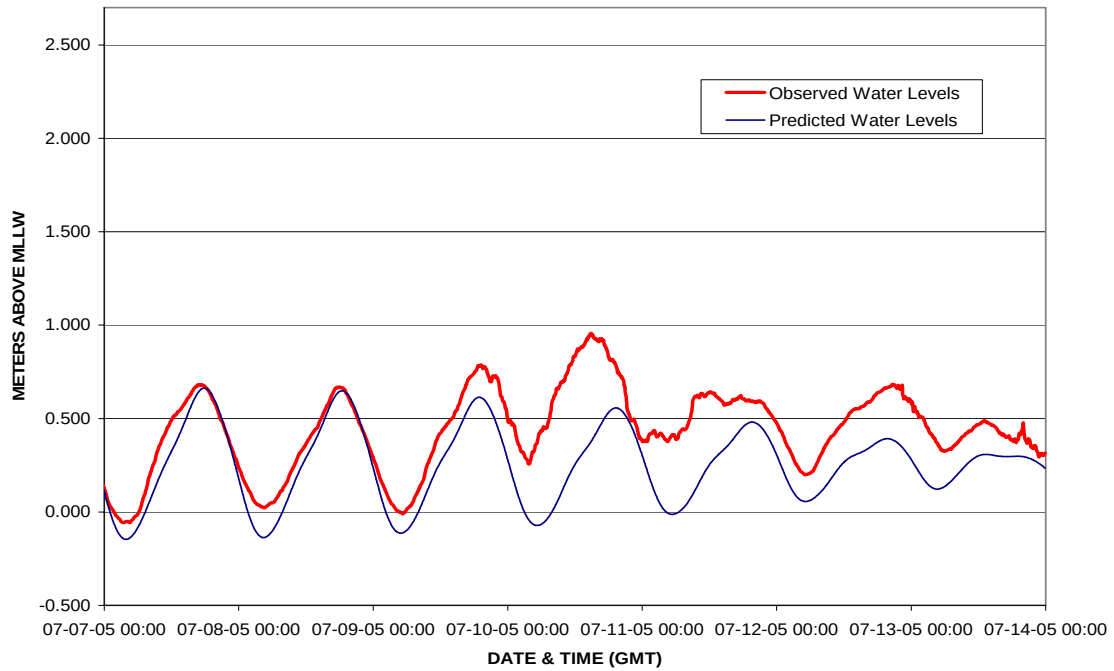
OBSERVED VS PREDICTED WATER LEVELS
8735180 DAUPHIN ISLAND, AL
STORM TIDE 1.089m (3.573ft) 07-10-05 @ 19:06 GMT



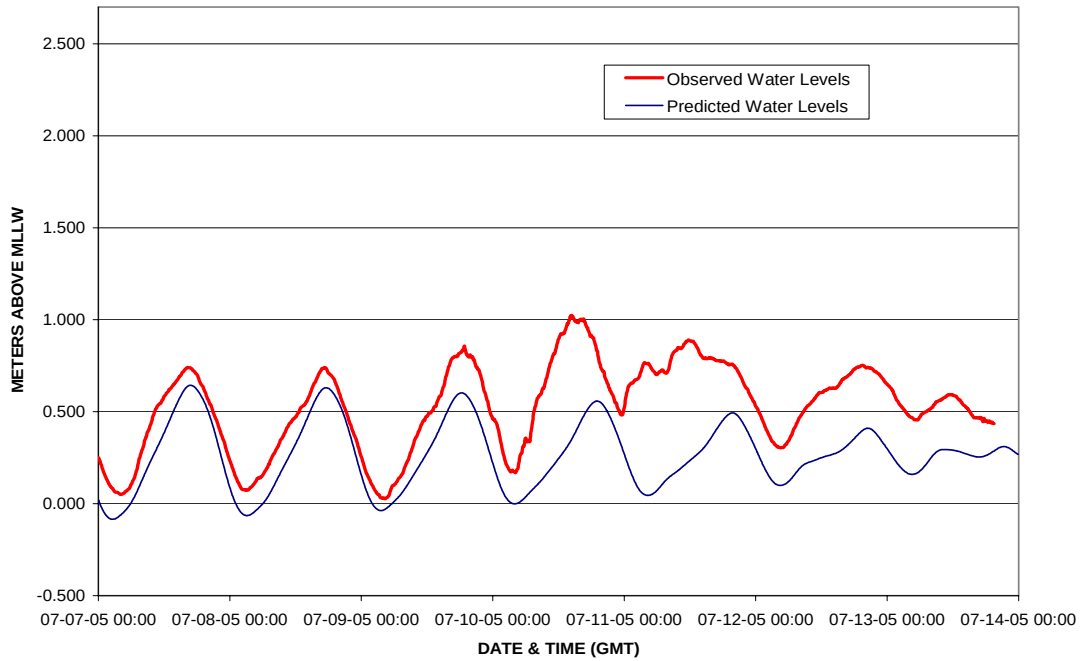
OBSERVED VS PREDICTED WATER LEVELS
8743281 OCEAN SPRINGS, MS
STORM TIDE 0.999m (3.276ft) 07-10-05 @14:12



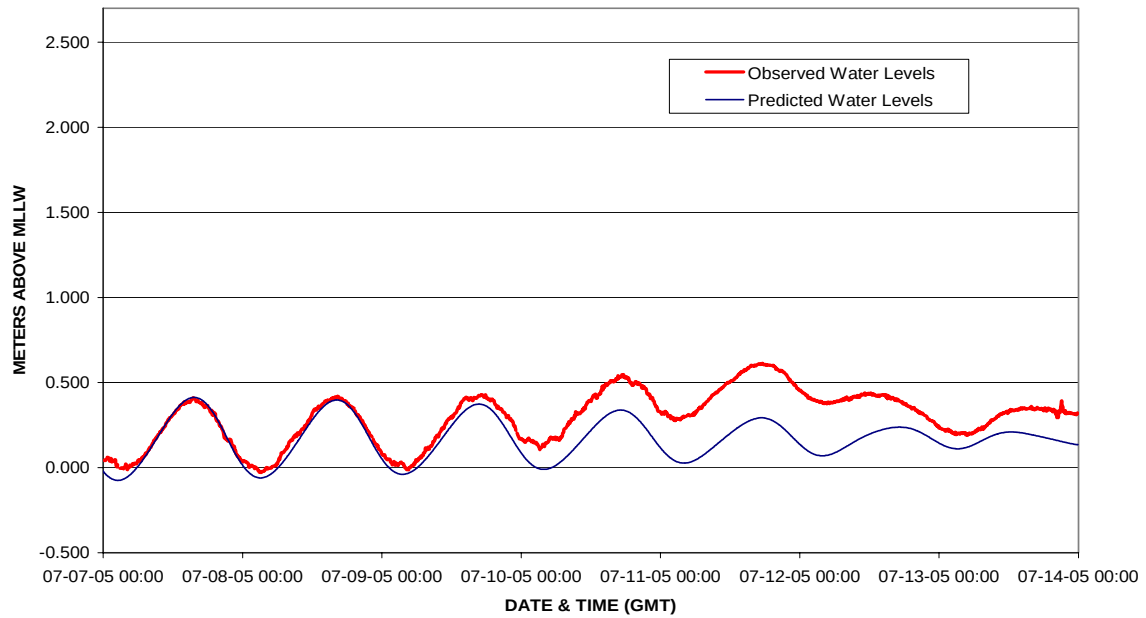
OBSERVED VS PREDICTED WATER LEVELS
8747766 WAVELAND, MS
STORM TIDE 0.956m (3.996 ft) 07-10-05 @ 14:54 GMT



OBSERVED VS PREDICTED WATER LEVELS
8744117 BILOXI, MS
STORM TIDE 1.024m (3.360ft) 07-10-05 @14:18 GMT



OBSERVED VS PREDICTED WATER LEVELS
8761724 GRAND ISLE, LA
STORM TIDE 0.613m (2.011ft) 07-11-05 @ 17:36 GMT



OBSERVED VS PREDICTED WATER LEVELS
8760922 SOUTHWEST PASS, LA
STORM TIDE 0.774m (2.540 ft) 07-10-05 @ 17:00 GMT

