

DATE: 7/19/85

U.S. DEPARTMENT OF COMMERCE  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION  
NATIONAL OCEAN SERVICE

TIDE NOTE FOR HYDROGRAPHIC SHEET

Marine Center: Atlantic

OPR: J264

Hydrographic Sheet: H-10166

Locality: St. Andrews Bay, Florida

Time Period: November 5, 1984 - April 11, 1985

Tide Station Used: 872-9108 Panama City, Florida

Plane of Reference (Mean Lower Low Water): 3.24 ft.

Height of Mean High Water Above Plane of Reference: 1.3 ft.

Remarks: Recommended Zoning:

Zone Direct

  
Chief, Tidal Datums Section

FIELD TIDE NOTE  
SURVEY H-10166

Field tide reduction of soundings was based on predicted tides from Pensacola, Florida corrected to St. Andrew Bay, Florida, and were interpolated by a PDP8/e computer utilizing AM500.

The project instructions stated in Section 5.9 that prediction stations numbers 3155 through 3169 found in Table 2 of the Tide Tables should be used to provide preliminary time and height corrections to the predicted tide at Pensacola. A detailed tide zoning chartlet was provided by N/OMS12 for clarification and was used for this survey. A copy of this chartlet is appended to this Tide Note.

The operating control tide station at Pensacola, Florida (872-9840), will serve as control for datum determination and the operating tide station at Panama City, Florida (872-9108), will provide additional control. These gages were maintained and operated by Chapin and Associates, Inc. These gages were monitored by contract observers and operated well through all periods of hydrography.

<u>SITE</u>	<u>LOCATION</u>	<u>PERIOD</u>
Pensacola, Florida 872-9840	30°24.2' 87°12.8'	Entire period of survey
Panama City, Florida 872-9108	30°09.1' 85°40.0'	Entire period of survey

PENSACOLA, FLORIDA  
PANAMA CITY, FLORIDA

A line of communications was established with Chapin and Associates to assure correct operation of these gages and to be notified in case of any malfunction. No problems were encountered.

LEVELS

Levels were not run by party personnel to the staff at the Pensacola gage. Levels were run to the staff at the Panama City gage 26 October 1984. The staff has not been leveled out to date.

ZONING

Zoning should be provided by the Tides and Water Levels Branch N/OMS12.

Atlantic Marine Center  
Hydrographic Field Parties Section

April 25, 1985 N/MOA233:RL

TO: N/OMS123 - Tidal Datum Section  
FROM: N/MOA233 - Kenneth W. Perrin *Robert Lewis*  
SUBJECT: Request for smooth tides

Please provide smooth tide correctors and zoning information to the Atlantic Marine Center, Hydrographic Surveys Branch for the Pensacola (872-9840) and Panama City (872-9108) tide stations for Survey H-10166, OPR-J264-HFP-84.

The following times include four hours before and after actual times of Hydrography:

<u>Day Number</u> <u>Julian Day</u>	<u>Begin (UTC)</u>	<u>END (UTC)</u>
1984		
310	101200	012900
311	101200	012800
313	094200	025400
314	101300	240300
317	105700	024100
319	094600	024700
320	095500	022300
332	102300	232200
333	104800	022800
334	090400	022300
335	110800	024000
338	100900	014100
341	111200	023100
342	112300	032800
346	111500	021900
348	093500	013600
349	100600	025500
352	105300	024000
353	104400	023200
1985		
011	101600	244000
016	111500	031100
017	112100	021200
018	101400	242900
023	123000	020400
025	102900	234600

028  
029  
032  
035  
042  
044  
045  
073  
085  
101

104300  
125300  
120200  
095200  
123800  
090600  
094500  
092600  
094000  
132000

010800  
022700  
011500  
013600  
033300  
024800  
223700  
242500  
024600  
030500

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