



UNITED STATES DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration  
NATIONAL OCEAN SERVICE  
Silver Spring, Maryland 20910

**TIDE NOTE FOR HYDROGRAPHIC SURVEY**

**DATE:** November 3, 1999

**HYDROGRAPHIC BRANCH:** Atlantic  
**HYDROGRAPHIC PROJECT:** OPR-G354-WH-99  
**HYDROGRAPHIC SHEET:** H-10877

**LOCALITY:** Approaches to Jacksonville, FL- Atlantic Ocean

**TIME PERIOD:** May 3 - June 8, 1999

**TIDE STATION USED:** 872-0291 Jacksonville Beach, FL  
Lat. 30° 17.0'N Lon. 81° 23.2'W

**PLANE OF REFERENCE (MEAN LOWER LOW WATER):** 0.000 meters  
**HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE:** 1.619 meters

**REMARKS: RECOMMENDED ZONING**

**Use zone(s) identified as:** ATL852, ATL853, ATL861 & ATL862.

Refer to attachments for zoning information.

**Note :** Provided time series data are tabulated in metric units (Meters), relative to MLLW and on Greenwich Mean Time.

*Thomas A. Hill 11/4/99*  
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**CHIEF, REQUIREMENTS AND DEVELOPMENT DIVISION**



Final tide zone node point locations for OPR-G354-WH-99,  
Sheet H-10877.

Format: Longitude in decimal degrees (negative value denotes  
Longitude West),  
Latitude in decimal degrees  
Tide Station (in recommended order of use)  
Average Time Correction (in minutes)  
Range Correction

|                          | Tide Station<br>Order | AVG Time<br>Correction | Range<br>Correction |
|--------------------------|-----------------------|------------------------|---------------------|
| Zone ATL852 ✓            |                       |                        |                     |
| ① -81.18733 30.500304 ✓  | 8720291               | -12                    | 1.03                |
| ② -81.190022 30.447133 ✓ |                       |                        |                     |
| ③ -80.814924 30.673684   |                       |                        |                     |
| ④ -80.71037 30.744654    |                       |                        |                     |
| ⑤ -80.707158 30.763549   |                       |                        |                     |
| ⑥ -80.664301 30.952132   |                       |                        |                     |
| ⑦ -80.634575 31.043575   |                       |                        |                     |
| ⑧ -80.85907 30.852384    |                       |                        |                     |
| ⑨ -81.173476 30.60148    |                       |                        |                     |
| ⑩ -81.18733 30.500304    |                       |                        |                     |
| Zone ATL853 ✓            |                       |                        |                     |
| ① -81.190022 30.447133 ✓ | 8720291               | -18                    | 0.99                |
| ② -81.199356 30.266502   |                       |                        |                     |
| ③ -80.748708 30.49067    |                       |                        |                     |
| ④ -80.737955 30.583409 ✓ |                       |                        |                     |
| ⑤ -80.71037 30.744654    |                       |                        |                     |
| ⑥ -80.814924 30.673684   |                       |                        |                     |
| ⑦ -81.190022 30.447133 ✓ |                       |                        |                     |
| Zone ATL861 ✓            |                       |                        |                     |
| ① -81.190022 30.447133 ✓ | 8720291               | 0                      | 1.00                |
| ② -81.399643 30.320327 ✓ |                       |                        |                     |
| ③ -81.365311 30.18379 ✓  |                       |                        |                     |
| ④ -81.199356 30.266502 ✓ |                       |                        |                     |
| ⑤ -81.190022 30.447133   |                       |                        |                     |
| Zone ATL862 ✓            |                       |                        |                     |
| ① -81.173476 30.60148    | 8720291               | -6                     | 1.03                |
| ② -81.407213 30.414787   |                       |                        |                     |
| ③ -81.405183 30.408968   |                       |                        |                     |

-81.405518 30.405383  
-81.395587 30.402654  
-81.387802 30.401906  
-81.377182 30.400815  
-81.377463 30.396525  
-81.388408 30.397583  
-81.393123 30.396917  
-81.400915 30.383682  
-81.399643 30.320327  
-81.190022 30.447133  
-81.18733 30.500304  
-81.173476 30.60148