

F. Tides Reducers - *See the approved Tide Note included in this Report.* ✓

Field reductions of each day's survey data was accomplished using predicted tides for the reference station Sandy Hook, NJ (853-1681), or the reference station The Battery, N.Y. (851-8750), as appropriate, with the following correctors applied.

On Sandy Hook, for Items 18 and 31

HW: -10 min

LW: -10 min

ratio: X1.00

On the Battery, for Items 14, 24, 29, and 30-

HW: -12 min

LW: -12 min

ratio: X1.00

On the Battery, for item 28-

HW: 0 min

LW: 0 min

ratio: X1.00



ATTACHMENT VI

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SURVEY
NOAA SHIPS RUDE & HECK
439 West York Street
Norfolk, VA 23510

Date : 21 January 1981

Reply to Attn. of:

To : Chief, Tidal Requirements & Acquisitions Branch, C231

From : *David H. Petersen*
Commanding Officer
NOAA SHIPS RUDE & HECK

Subject: Request for smooth tides for OPR-B645-RU/HE-80

Ref: Hydrographic Project Instructions OPR-B645-RU/HE-80; 10 Mar 1980

Smooth tide correctors are requested for the indicated dates, times, and on the indicated reference tide stations, during 1980.

On Sandy Hook, New Jersey (853-1681)

| <u>Time Corrector</u> | <u>Ratio Corrector</u> |
|---|------------------------|
| HW - 10 Min., LW - 10 Min. (Items 18,31) | 1.00 |
| 14 Nov JD 319 | 1600-2100 GMT |
| 17 Nov JD 322 | 1530-2230 GMT |
| 20 Nov JD 325 | 1430-2200 GMT |
| 21 Nov JD 326 | 1630-2100 GMT |
| 23 Nov JD 328 | 1800-2300 GMT |

On The Battery, New York (851-8750)

| <u>Time Corrector</u> | <u>Ratio Corrector</u> |
|---|------------------------|
| HW - 0 Min., LW - 0 Min. (Items 28, WHITING Spike) | 1.00 |
| 8 Jul JD 190 | 1600-2100 GMT |
| 9 Jul JD 191 | 1200-2100 GMT |
| 11 Jul JD 193 | 1200-1700 GMT |
| 25 Jul JD 207 | 1200-1700 GMT |

Time CorrectorRatio Corrector

HW-12 Min., LW-12 Min.
 (Items 14,24,29,30, Barge Wk) 1.00

| | | | |
|--------|--------|-----------|-----|
| 29 May | JD 150 | 1100-1700 | GMT |
| 4 Jun | JD 156 | 1130-1530 | GMT |
| 6 Jun | JD 158 | 1500-2000 | GMT |
| 11 Jun | JD 163 | 1200-1700 | GMT |
| 19 Jun | JD 171 | 1300-1900 | GMT |
| 20 Jun | JD 172 | 1500-2000 | GMT |
| 21 Jun | JD 173 | 1300-1800 | GMT |
| 23 Jun | JD 175 | 1400-1900 | GMT |
| 25 Jun | JD 177 | 1600-2000 | GMT |
| 26 Jun | JD 178 | 1500-2100 | GMT |
| 27 Jun | JD 179 | 1200-1700 | GMT |
| 2 Jul | JD 184 | 1500-2000 | GMT |
| 10 Jul | JD 192 | 1200-2100 | GMT |
| 15 Jul | JD 197 | 1500-2000 | GMT |
| 16 Jul | JD 198 | 1600-2100 | GMT |
| 17 Jul | JD 199 | 1600-2200 | GMT |
| 18 Jul | JD 200 | 1400-2100 | GMT |
| 21 Jul | JD 203 | 1600-2100 | GMT |

All data should be sent to Chief, Requirements Branch, C351.

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

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TIDE NOTE FOR HYDROGRAPHIC SHEET

| <u>Item #</u> | <u>Latitude</u> | <u>Longitude</u> | <u>Zoning</u> |
|--------------------|-----------------|------------------|------------------------------------|
| #1 28 | 40°41.64' | 74°00.67' | Direct |
| Whiting Spike | NONE REPORTED | | Direct |
| 24 | 40°41.35' | 74°02.50' | Direct |
| 29 | 40°41.02' | 74°01.17' | Apply -10 minute time corrector |
| #2 30 | 40°40.73' | 74°01.26' | Apply -10 minute time corrector |
| 14 | 40°40.66' | 74°02.83' | Apply -10 minute time corrector |
| #3 Sunken Barge | 40°39'18.64" | 74°04'35.88" | Apply -20 minute time corrector |
| 18 | 40°32.06' | 73°56.94' | Apply -42 minute time corrector |
| #4 31 | 40°31'55.93" | 73°56'13.00" | Apply -42 minute time corrector |