

**Transect data for the Gulf of Mexico from NECOP website
(<http://www.aoml.noaa.gov/ocd/necop/>) for July 24-29,1993**

Transect F

| Date | Trn. | Stn. | Lat. deg:min | Long. deg:min | Depth (m) | D.O. (mg/L) | Sal. (ppt.) | Temp. (Cent.) | Density Sigma-t |
|--------------------------------------|------|------|-----------------|------------------|--------------|----------------|----------------|------------------|--------------------|
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 1.0 | 6.1 | 27.0 | 31.4 | 15.2 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 2.0 | 6.2 | 27.0 | 31.4 | 15.2 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 3.0 | 6.1 | 27.0 | 31.2 | 15.4 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 4.0 | 6.2 | 27.0 | 30.6 | 15.5 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 5.0 | 6.3 | 27.0 | 30.5 | 15.6 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 6.0 | 6.2 | 27.0 | 30.5 | 15.6 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 7.0 | 6.3 | 27.2 | 30.6 | 15.7 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 8.0 | 6.2 | 27.3 | 30.6 | 15.8 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 9.0 | 6.3 | 27.4 | 30.7 | 15.8 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 10.0 | 6.3 | 27.4 | 30.6 | 15.8 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 11.0 | 6.3 | 27.5 | 30.6 | 16.0 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 12.0 | 6.3 | 27.7 | 30.5 | 16.1 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 13.0 | 6.2 | 27.9 | 30.5 | 16.2 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 14.0 | 6.3 | 28.0 | 30.4 | 16.4 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 15.0 | 6.3 | 28.3 | 30.5 | 16.5 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 16.0 | 5.9 | 28.8 | 29.9 | 17.1 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 17.0 | 5.5 | 28.8 | 29.6 | 17.3 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 18.0 | 5.6 | 29.2 | 29.4 | 17.5 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 19.0 | 5.5 | 29.9 | 28.9 | 18.2 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 21.0 | 4.7 | 31.1 | 27.6 | 19.6 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 22.0 | 5.1 | 31.6 | 27.8 | 20.0 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 23.0 | 5.2 | 32.9 | 28.2 | 20.7 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 24.0 | 5.0 | 33.6 | 26.1 | 21.9 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 25.0 | 5.2 | 34.7 | 25.4 | 23.0 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 26.0 | 5.3 | 35.1 | 25.0 | 23.4 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 27.0 | 5.3 | 35.1 | 24.6 | 23.6 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 28.0 | 5.0 | 35.1 | 24.4 | 23.6 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 29.0 | 4.8 | 35.4 | 23.1 | 24.2 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 30.0 | 4.0 | 35.5 | 22.4 | 24.5 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 31.1 | 3.4 | 35.6 | 22.2 | 24.6 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 32.0 | 3.0 | 35.6 | 22.1 | 24.6 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 33.0 | 2.5 | 35.6 | 22.0 | 24.7 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 34.0 | 1.9 | 35.6 | 21.8 | 24.8 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 35.1 | 1.5 | 35.7 | 21.7 | 24.8 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 36.1 | 1.3 | 35.7 | 21.6 | 24.9 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 37.0 | 1.3 | 35.7 | 21.6 | 24.9 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 38.0 | 1.2 | 35.7 | 21.6 | 24.9 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 38.2 | 1.0 | 35.7 | 21.6 | 24.9 |
| 7/26/1993 | F | 6 | 28:35.00' | 91:37.00' | 38.4 | 1.1 | 35.7 | 21.6 | 24.9 |
| Station 6 Depth = 38.4 meters | | | | | | | | | |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 1.1 | 6.3 | 26.0 | 31.0 | 14.6 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 2.1 | 6.3 | 26.0 | 31.0 | 14.6 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 3.0 | 6.3 | 26.1 | 31.0 | 14.7 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 4.0 | 6.3 | 26.4 | 30.4 | 15.2 |

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Transect F

| Date | Trn. | Stn. | Lat. deg:min | Long. deg:min | Depth (m) | D.O. (mg/L) | Sal. (ppt.) | Temp. (Cent.) | Density Sigma-t |
|-----------|------|------|-----------------|------------------|--------------|----------------|----------------|------------------|--------------------|
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 5.0 | 6.3 | 26.4 | 30.4 | 15.2 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 6.0 | 6.3 | 26.4 | 30.4 | 15.2 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 7.0 | 6.3 | 26.5 | 30.4 | 15.2 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 8.0 | 6.3 | 26.6 | 30.4 | 15.3 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 9.0 | 6.3 | 26.7 | 30.4 | 15.4 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 10.0 | 6.2 | 26.7 | 30.4 | 15.4 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 11.0 | 6.3 | 26.9 | 30.5 | 15.5 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 12.0 | 6.3 | 27.2 | 30.6 | 15.7 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 13.0 | 6.3 | 28.1 | 30.7 | 16.4 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 14.0 | 6.2 | 28.5 | 30.3 | 16.7 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 15.0 | 6.3 | 28.8 | 29.9 | 17.2 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 16.0 | 6.1 | 29.2 | 29.4 | 17.5 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 17.0 | 6.0 | 29.6 | 29.1 | 18.0 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 18.1 | 5.8 | 30.1 | 28.7 | 18.5 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 19.0 | 5.5 | 30.4 | 28.5 | 18.8 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 20.0 | 5.1 | 30.7 | 28.1 | 19.1 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 21.0 | 4.4 | 31.1 | 27.5 | 19.6 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 22.0 | 4.7 | 31.5 | 27.6 | 19.9 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 23.0 | 5.3 | 32.7 | 28.2 | 20.6 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 24.0 | 5.4 | 33.1 | 28.0 | 21.0 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 25.0 | 5.2 | 33.4 | 27.2 | 21.5 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 26.0 | 5.0 | 33.8 | 26.7 | 21.9 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 27.0 | 4.9 | 33.9 | 26.3 | 22.2 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 28.0 | 4.7 | 34.3 | 25.6 | 22.6 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 29.0 | 4.5 | 34.5 | 25.0 | 23.0 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 30.0 | 4.7 | 34.7 | 24.4 | 23.3 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 31.0 | 5.3 | 35.0 | 24.4 | 23.5 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 32.1 | 5.6 | 35.2 | 24.3 | 23.7 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 33.0 | 5.7 | 35.3 | 24.2 | 23.8 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 34.0 | 5.2 | 35.2 | 23.3 | 24.0 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 35.0 | 5.7 | 35.6 | 22.9 | 24.4 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 36.0 | 5.4 | 35.5 | 22.5 | 24.5 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 37.0 | 5.3 | 35.5 | 22.1 | 24.6 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 38.0 | 5.4 | 35.7 | 22.2 | 24.7 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 39.0 | 4.7 | 35.7 | 21.8 | 24.8 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 40.0 | 4.4 | 35.7 | 21.6 | 24.9 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 41.0 | 3.9 | 35.8 | 21.4 | 25.0 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 42.0 | 3.6 | 35.8 | 21.4 | 25.0 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 43.0 | 3.5 | 35.8 | 21.3 | 25.0 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 44.0 | 3.4 | 36.0 | 21.2 | 25.2 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 45.0 | 3.2 | 36.0 | 21.1 | 25.3 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 46.0 | 3.1 | 36.1 | 21.0 | 25.4 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 47.0 | 3.0 | 36.1 | 20.9 | 25.4 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 48.0 | 2.9 | 36.1 | 20.8 | 25.4 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 51.0 | 2.7 | 36.1 | 20.8 | 25.4 |

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Transect F

| Date | Trn. | Stn. | Lat. deg:min | Long. deg:min | Depth (m) | D.O. (mg/L) | Sal. (ppt.) | Temp. (Cent.) | Density Sigma-t |
|--------------------------------------|------|------|-----------------|------------------|--------------|----------------|----------------|------------------|--------------------|
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 52.0 | 2.7 | 36.1 | 20.8 | 25.4 |
| 7/26/1993 | F | 7 | 28:27.00' | 91:37.00' | 53.0 | 2.7 | 36.1 | 20.8 | 25.4 |
| Station 7 Depth = 53.0 meters | | | | | | | | | |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 1.5 | 6.3 | 26.4 | 30.6 | 15.1 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 2.1 | 6.3 | 26.4 | 30.6 | 15.0 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 3.0 | 6.3 | 26.4 | 30.7 | 15.0 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 4.0 | 6.3 | 26.7 | 30.6 | 15.3 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 5.0 | 6.3 | 27.2 | 30.4 | 15.7 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 6.0 | 6.2 | 27.3 | 30.4 | 15.8 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 7.1 | 6.3 | 27.6 | 30.3 | 16.1 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 8.0 | 6.3 | 27.8 | 30.3 | 16.2 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 9.0 | 6.2 | 28.1 | 30.3 | 16.5 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 10.0 | 6.1 | 28.7 | 30.1 | 17.0 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 11.0 | 6.1 | 28.9 | 30.0 | 17.1 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 12.1 | 6.0 | 29.3 | 29.9 | 17.5 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 13.0 | 6.0 | 29.4 | 29.8 | 17.6 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 14.0 | 6.0 | 29.7 | 29.7 | 17.8 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 15.0 | 6.0 | 30.1 | 29.7 | 18.2 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 16.0 | 6.1 | 30.5 | 29.7 | 18.4 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 17.0 | 6.1 | 30.6 | 29.8 | 18.5 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 18.0 | 6.1 | 30.8 | 29.7 | 18.6 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 19.0 | 6.1 | 30.9 | 29.7 | 18.7 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 20.1 | 6.0 | 31.2 | 29.4 | 19.0 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 21.1 | 4.9 | 31.9 | 27.9 | 20.1 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 22.1 | 4.4 | 32.4 | 27.4 | 20.7 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 23.1 | 3.9 | 33.8 | 25.5 | 22.3 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 23.8 | 3.3 | 34.3 | 24.6 | 22.9 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 24.1 | 2.7 | 34.1 | 24.7 | 22.8 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 24.6 | 2.3 | 35.1 | 22.9 | 24.0 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 25.0 | 1.9 | 35.1 | 22.8 | 24.1 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 26.0 | 1.3 | 35.1 | 22.6 | 24.1 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 27.0 | 1.0 | 35.1 | 22.5 | 24.2 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 28.0 | 0.4 | 35.1 | 22.4 | 24.2 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 28.0 | 0.4 | 35.1 | 22.4 | 24.2 |
| 7/27/1993 | F | 5 | 28:41.50' | 91:37.00' | 28.5 | 0.4 | 35.1 | 22.4 | 24.2 |
| Station 5 Depth = 28.5 meters | | | | | | | | | |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 1.4 | 6.2 | 26.3 | 30.5 | 15.1 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 2.0 | 6.2 | 26.4 | 30.6 | 15.1 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 3.0 | 6.2 | 26.4 | 30.5 | 15.1 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 4.0 | 6.2 | 26.6 | 30.5 | 15.3 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 5.0 | 6.2 | 26.6 | 30.5 | 15.3 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 6.0 | 6.2 | 27.4 | 30.3 | 15.9 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 7.0 | 6.2 | 27.9 | 30.4 | 16.3 |

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Transect F

| Date | Trn. | Stn. | Lat. deg:min | Long. deg:min | Depth (m) | D.O. (mg/L) | Sal. (ppt.) | Temp. (Cent.) | Density Sigma-t |
|--------------------------------------|------|------|-----------------|------------------|--------------|----------------|----------------|------------------|--------------------|
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 8.0 | 6.1 | 28.2 | 30.3 | 16.5 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 9.0 | 6.0 | 28.8 | 30.0 | 17.1 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 10.0 | 5.8 | 29.4 | 29.7 | 17.6 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 11.1 | 5.8 | 29.7 | 29.4 | 18.0 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 12.0 | 5.9 | 30.2 | 29.5 | 18.3 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 13.0 | 6.1 | 30.4 | 29.7 | 18.4 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 14.0 | 6.0 | 30.9 | 29.6 | 18.8 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 15.0 | 6.0 | 31.0 | 29.6 | 18.9 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 16.1 | 5.8 | 31.8 | 28.9 | 19.7 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 17.0 | 5.6 | 31.6 | 28.9 | 19.6 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 18.0 | 4.9 | 31.9 | 28.0 | 20.1 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 19.0 | 3.5 | 32.5 | 26.9 | 20.9 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 20.0 | 4.0 | 33.6 | 25.7 | 22.1 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 20.2 | 3.7 | 33.4 | 25.9 | 21.8 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 20.4 | 3.4 | 33.9 | 25.1 | 22.5 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 20.6 | 2.8 | 34.3 | 24.5 | 23.0 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 20.8 | 2.5 | 34.6 | 24.0 | 23.4 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 21.0 | 2.3 | 34.7 | 23.8 | 23.5 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 21.2 | 2.1 | 34.7 | 23.7 | 23.5 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 21.6 | 1.8 | 34.6 | 23.6 | 23.4 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 22.0 | 1.3 | 34.8 | 23.1 | 23.8 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 22.3 | 1.2 | 34.9 | 23.0 | 23.8 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 22.8 | 0.3 | 34.8 | 23.0 | 23.8 |
| 7/27/1993 | F | 4 | 28:47.00' | 91:37.00' | 23.0 | 0.3 | 34.7 | 23.0 | 23.7 |
| Station 4 Depth = 23.0 meters | | | | | | | | | |
| 7/27/1993 | F | 3 | 28:53.00' | 91:37.00' | 1.2 | 6.4 | 24.9 | 30.3 | 14.1 |
| 7/27/1993 | F | 3 | 28:53.00' | 91:37.00' | 2.1 | 6.4 | 24.9 | 30.3 | 14.1 |
| 7/27/1993 | F | 3 | 28:53.00' | 91:37.00' | 3.0 | 6.4 | 24.9 | 30.3 | 14.1 |
| 7/27/1993 | F | 3 | 28:53.00' | 91:37.00' | 4.0 | 6.4 | 25.1 | 30.4 | 14.2 |
| 7/27/1993 | F | 3 | 28:53.00' | 91:37.00' | 5.0 | 6.4 | 25.6 | 30.4 | 14.6 |
| 7/27/1993 | F | 3 | 28:53.00' | 91:37.00' | 6.0 | 6.3 | 26.1 | 30.5 | 14.9 |
| 7/27/1993 | F | 3 | 28:53.00' | 91:37.00' | 7.0 | 6.1 | 26.3 | 30.5 | 15.1 |
| 7/27/1993 | F | 3 | 28:53.00' | 91:37.00' | 8.0 | 5.8 | 27.1 | 29.6 | 15.9 |
| 7/27/1993 | F | 3 | 28:53.00' | 91:37.00' | 9.1 | 5.1 | 28.5 | 28.9 | 17.2 |
| 7/27/1993 | F | 3 | 28:53.00' | 91:37.00' | 10.0 | 4.9 | 29.2 | 28.6 | 17.8 |
| 7/27/1993 | F | 3 | 28:53.00' | 91:37.00' | 11.0 | 4.1 | 29.6 | 28.3 | 18.2 |
| 7/27/1993 | F | 3 | 28:53.00' | 91:37.00' | 12.0 | 3.1 | 31.3 | 26.9 | 19.9 |
| 7/27/1993 | F | 3 | 28:53.00' | 91:37.00' | 13.0 | 2.6 | 32.6 | 26.1 | 21.2 |
| 7/27/1993 | F | 3 | 28:53.00' | 91:37.00' | 14.0 | 3.5 | 34.0 | 25.5 | 22.5 |
| 7/27/1993 | F | 3 | 28:53.00' | 91:37.00' | 15.0 | 3.9 | 34.2 | 25.4 | 22.6 |
| 7/27/1993 | F | 3 | 28:53.00' | 91:37.00' | 16.0 | 3.6 | 34.3 | 25.1 | 22.8 |
| 7/27/1993 | F | 3 | 28:53.00' | 91:37.00' | 16.2 | 3.2 | 34.4 | 24.9 | 22.9 |
| 7/27/1993 | F | 3 | 28:53.00' | 91:37.00' | 16.4 | 2.1 | 34.5 | 24.4 | 23.2 |
| 7/27/1993 | F | 3 | 28:53.00' | 91:37.00' | 16.6 | 2.0 | 34.4 | 23.7 | 23.3 |

**Transect data for the Gulf of Mexico from NECOP website
(<http://www.aoml.noaa.gov/ocd/necop/>) for July 24-29,1993**

Transect F

| Date | Trn. | Stn. | Lat. deg:min | Long. deg:min | Depth (m) | D.O. (mg/L) | Sal. (ppt.) | Temp. (Cent.) | Density Sigma-t |
|--------------------------------------|------|------|-----------------|------------------|--------------|----------------|----------------|------------------|--------------------|
| 7/27/1993 | F | 3 | 28:53.00' | 91:37.00' | 16.8 | 2.0 | 34.7 | 23.4 | 23.6 |
| 7/27/1993 | F | 3 | 28:53.00' | 91:37.00' | 17.0 | 1.3 | 34.5 | 23.7 | 23.4 |
| 7/27/1993 | F | 3 | 28:53.00' | 91:37.00' | 17.7 | 0.5 | 34.6 | 23.2 | 23.6 |
| 7/27/1993 | F | 3 | 28:53.00' | 91:37.00' | 18.0 | 0.3 | 34.6 | 23.2 | 23.6 |
| 7/27/1993 | F | 3 | 28:53.00' | 91:37.00' | 18.1 | 0.3 | 34.6 | 23.2 | 23.6 |
| Station 3 Depth = 18.1 meters | | | | | | | | | |
| 7/27/1993 | F | 2 | 29:03.00' | 91:37.00' | 1.5 | 7.1 | 24.2 | 30.3 | 13.6 |
| 7/27/1993 | F | 2 | 29:03.00' | 91:37.00' | 2.0 | 7.2 | 24.1 | 30.4 | 13.5 |
| 7/27/1993 | F | 2 | 29:03.00' | 91:37.00' | 3.0 | 7.3 | 24.0 | 30.4 | 13.4 |
| 7/27/1993 | F | 2 | 29:03.00' | 91:37.00' | 4.0 | 7.3 | 24.0 | 30.4 | 13.4 |
| 7/27/1993 | F | 2 | 29:03.00' | 91:37.00' | 5.0 | 7.2 | 24.1 | 30.2 | 13.5 |
| 7/27/1993 | F | 2 | 29:03.00' | 91:37.00' | 5.2 | 6.6 | 24.3 | 30.1 | 13.7 |
| 7/27/1993 | F | 2 | 29:03.00' | 91:37.00' | 5.5 | 6.8 | 24.4 | 30.0 | 13.8 |
| 7/27/1993 | F | 2 | 29:03.00' | 91:37.00' | 5.6 | 6.4 | 24.7 | 30.0 | 14.0 |
| 7/27/1993 | F | 2 | 29:03.00' | 91:37.00' | 5.7 | 5.6 | 24.6 | 30.0 | 13.9 |
| 7/27/1993 | F | 2 | 29:03.00' | 91:37.00' | 5.8 | 4.5 | 25.0 | 29.9 | 14.3 |
| 7/27/1993 | F | 2 | 29:03.00' | 91:37.00' | 6.0 | 1.8 | 28.2 | 28.5 | 17.1 |
| 7/27/1993 | F | 2 | 29:03.00' | 91:37.00' | 6.0 | 1.3 | 29.7 | 27.8 | 18.5 |
| 7/27/1993 | F | 2 | 29:03.00' | 91:37.00' | 6.1 | 1.3 | 30.6 | 27.2 | 19.3 |
| 7/27/1993 | F | 2 | 29:03.00' | 91:37.00' | 6.3 | 1.3 | 30.8 | 27.0 | 19.6 |
| 7/27/1993 | F | 2 | 29:03.00' | 91:37.00' | 6.5 | 1.7 | 31.0 | 27.0 | 19.7 |
| Station 2 Depth = 6.5 meters | | | | | | | | | |
| 7/27/1993 | F | 1 | 29:11.00' | 91:37.00' | 1.3 | 5.2 | 25.5 | 30.0 | 14.7 |
| 7/27/1993 | F | 1 | 29:11.00' | 91:37.00' | 2.0 | 5.2 | 25.5 | 30.0 | 14.7 |
| 7/27/1993 | F | 1 | 29:11.00' | 91:37.00' | 3.0 | 5.2 | 25.5 | 30.1 | 14.6 |
| 7/27/1993 | F | 1 | 29:11.00' | 91:37.00' | 4.1 | 5.1 | 25.6 | 30.0 | 14.7 |
| 7/27/1993 | F | 1 | 29:11.00' | 91:37.00' | 5.0 | 4.8 | 25.6 | 30.0 | 14.7 |
| 7/27/1993 | F | 1 | 29:11.00' | 91:37.00' | 6.0 | 4.2 | 25.8 | 29.8 | 14.9 |
| 7/27/1993 | F | 1 | 29:11.00' | 91:37.00' | 6.2 | 4.3 | 25.8 | 29.9 | 14.9 |
| Station 1 Depth = 6.2 meters | | | | | | | | | |

Units for variables:

Trn. Transect

Stn. = Station

Lat. = Latitude in degrees: minutes. hundredths of a minute (deg:min)

Long. = Longitude in degrees: minutes. hundredths of a minute (deg:min)

Depth in meters (m)

D.O. = Dissolved Oxygen in milligrams per liter (mg/L)

Sal. = Salinity in parts per thousand (ppt.)

Temp. = Temperature in degrees Centigrade (Cent.)

Density (Sigma-t).

Note: Longitude for several stations was incorrect in the original data and changed on this data set

**Transect data for the Gulf of Mexico from NECOP website
(<http://www.aoml.noaa.gov/ocd/necop/>) for July 24-29,1993**

Transect F

| Date | Trn. | Stn. | Lat. | Long. | Depth | D.O. | Sal. | Temp. | Density |
|------|------|------|---------|---------|-------|--------|--------|---------|---------|
| | | | deg:min | deg:min | (m) | (mg/L) | (ppt.) | (Cent.) | Sigma-t |

/Tran F July 1993.wpd