

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

Transect D

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	D	5	28:30.00'	90:50.00'	1.8	6.5	23.5	30.3	13.0
7/26/1993	D	5	28:30.00'	90:50.00'	2.0	6.5	23.5	30.3	13.0
7/26/1993	D	5	28:30.00'	90:50.00'	3.0	6.5	23.7	30.3	13.2
7/26/1993	D	5	28:30.00'	90:50.00'	4.0	6.4	25.3	30.1	14.5
7/26/1993	D	5	28:30.00'	90:50.00'	6.0	6.3	27.1	30.1	15.8
7/26/1993	D	5	28:30.00'	90:50.00'	7.0	6.3	27.9	30.4	16.3
7/26/1993	D	5	28:30.00'	90:50.00'	8.0	6.2	28.2	29.8	16.7
7/26/1993	D	5	28:30.00'	90:50.00'	9.0	6.0	28.3	29.5	16.9
7/26/1993	D	5	28:30.00'	90:50.00'	10.0	5.9	28.4	29.5	17.0
7/26/1993	D	5	28:30.00'	90:50.00'	11.0	5.9	28.7	29.4	17.3
7/26/1993	D	5	28:30.00'	90:50.00'	12.0	5.8	29.0	29.3	17.5
7/26/1993	D	5	28:30.00'	90:50.00'	13.0	5.6	29.2	29.3	17.6
7/26/1993	D	5	28:30.00'	90:50.00'	14.0	5.6	29.5	29.1	17.9
7/26/1993	D	5	28:30.00'	90:50.00'	15.1	5.6	29.5	29.1	17.9
7/26/1993	D	5	28:30.00'	90:50.00'	16.0	5.1	30.0	28.7	18.5
7/26/1993	D	5	28:30.00'	90:50.00'	17.0	4.9	30.2	28.5	18.6
7/26/1993	D	5	28:30.00'	90:50.00'	18.0	4.9	30.4	28.5	18.8
7/26/1993	D	5	28:30.00'	90:50.00'	19.0	4.9	30.6	28.4	19.0
7/26/1993	D	5	28:30.00'	90:50.00'	20.1	4.4	31.1	27.9	19.5
7/26/1993	D	5	28:30.00'	90:50.00'	21.0	4.2	31.4	27.7	19.8
7/26/1993	D	5	28:30.00'	90:50.00'	21.6	3.7	31.8	27.4	20.2
7/26/1993	D	5	28:30.00'	90:50.00'	22.0	3.2	32.2	26.9	20.6
7/26/1993	D	5	28:30.00'	90:50.00'	23.0	2.7	33.7	25.0	22.4
7/26/1993	D	5	28:30.00'	90:50.00'	24.0	3.1	34.9	23.9	23.6
7/26/1993	D	5	28:30.00'	90:50.00'	25.0	3.5	35.1	23.8	23.8
7/26/1993	D	5	28:30.00'	90:50.00'	26.0	3.5	35.1	23.5	23.9
7/26/1993	D	5	28:30.00'	90:50.00'	27.0	3.4	35.2	23.2	24.1
7/26/1993	D	5	28:30.00'	90:50.00'	28.0	3.1	35.7	22.5	24.6
7/26/1993	D	5	28:30.00'	90:50.00'	29.1	3.1	35.7	22.3	24.7
7/26/1993	D	5	28:30.00'	90:50.00'	30.0	3.1	35.8	22.2	24.8
7/26/1993	D	5	28:30.00'	90:50.00'	31.0	3.0	35.8	22.2	24.8
7/26/1993	D	5	28:30.00'	90:50.00'	31.8	3.0	35.8	22.2	24.8
Station 5 Depth = 31.8 meters									
7/26/1993	D	4	28:36.50'	90:50.00'	1.7	6.2	21.7	30.2	11.7
7/26/1993	D	4	28:36.50'	90:50.00'	3.0	6.1	22.1	30.4	12.0
7/26/1993	D	4	28:36.50'	90:50.00'	4.0	6.2	22.8	30.5	12.4
7/26/1993	D	4	28:36.50'	90:50.00'	5.0	6.3	23.2	30.4	12.7
7/26/1993	D	4	28:36.50'	90:50.00'	5.6	6.2	23.3	30.3	12.9
7/26/1993	D	4	28:36.50'	90:50.00'	6.0	6.0	24.4	30.1	13.8
7/26/1993	D	4	28:36.50'	90:50.00'	6.4	5.2	25.3	29.8	14.6
7/26/1993	D	4	28:36.50'	90:50.00'	6.8	4.7	26.1	29.3	15.3
7/26/1993	D	4	28:36.50'	90:50.00'	7.0	4.3	26.1	29.4	15.3
7/26/1993	D	4	28:36.50'	90:50.00'	8.0	4.1	26.8	29.0	15.9
7/26/1993	D	4	28:36.50'	90:50.00'	8.6	3.7	27.5	28.8	16.5

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Transect D

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	D	4	28:36.50'	90:50.00'	9.0	3.3	27.7	28.9	16.6
7/26/1993	D	4	28:36.50'	90:50.00'	10.0	3.0	28.3	28.6	17.2
7/26/1993	D	4	28:36.50'	90:50.00'	11.0	1.9	29.3	27.7	18.2
7/26/1993	D	4	28:36.50'	90:50.00'	11.9	0.8	31.3	26.6	20.1
7/26/1993	D	4	28:36.50'	90:50.00'	12.0	0.9	31.7	26.4	20.4
7/26/1993	D	4	28:36.50'	90:50.00'	13.0	1.3	32.3	26.1	21.0
7/26/1993	D	4	28:36.50'	90:50.00'	13.4	1.5	32.6	25.9	21.2
7/26/1993	D	4	28:36.50'	90:50.00'	13.8	1.9	33.0	25.7	21.6
7/26/1993	D	4	28:36.50'	90:50.00'	14.0	2.1	33.8	25.0	22.4
7/26/1993	D	4	28:36.50'	90:50.00'	15.0	2.7	35.2	23.7	23.9
7/26/1993	D	4	28:36.50'	90:50.00'	16.0	2.7	35.3	23.7	23.9
7/26/1993	D	4	28:36.50'	90:50.00'	17.0	2.7	35.3	23.7	24.0
7/26/1993	D	4	28:36.50'	90:50.00'	17.9	2.7	35.3	23.7	24.0
Station 4 Depth = 17.9 meters									
7/26/1993	D	3	28:43.00'	90:50.00'	1.4	7.3	12.9	30.4	5.1
7/26/1993	D	3	28:43.00'	90:50.00'	2.1	7.2	12.9	30.4	5.1
7/26/1993	D	3	28:43.00'	90:50.00'	3.0	6.9	13.3	30.4	5.4
7/26/1993	D	3	28:43.00'	90:50.00'	4.0	6.4	14.4	30.5	6.2
7/26/1993	D	3	28:43.00'	90:50.00'	4.4	5.5	15.5	30.6	7.0
7/26/1993	D	3	28:43.00'	90:50.00'	4.8	5.0	16.9	30.5	8.0
7/26/1993	D	3	28:43.00'	90:50.00'	5.0	4.9	17.6	30.5	8.6
7/26/1993	D	3	28:43.00'	90:50.00'	6.0	5.0	23.1	30.5	12.7
7/26/1993	D	3	28:43.00'	90:50.00'	6.2	4.6	23.8	29.9	13.4
7/26/1993	D	3	28:43.00'	90:50.00'	6.4	4.4	24.5	29.2	14.1
7/26/1993	D	3	28:43.00'	90:50.00'	6.7	3.9	24.8	28.8	14.5
7/26/1993	D	3	28:43.00'	90:50.00'	6.8	2.7	26.5	28.7	15.8
7/26/1993	D	3	28:43.00'	90:50.00'	7.0	2.2	27.3	28.5	16.5
7/26/1993	D	3	28:43.00'	90:50.00'	7.6	1.9	28.5	28.2	17.5
7/26/1993	D	3	28:43.00'	90:50.00'	8.0	1.8	29.3	27.9	18.1
7/26/1993	D	3	28:43.00'	90:50.00'	9.0	1.8	31.6	26.9	20.2
7/26/1993	D	3	28:43.00'	90:50.00'	10.0	1.1	33.6	26.1	22.0
7/26/1993	D	3	28:43.00'	90:50.00'	11.0	0.4	34.6	26.0	22.7
7/26/1993	D	3	28:43.00'	90:50.00'	12.0	0.3	34.6	26.0	22.8
7/26/1993	D	3	28:43.00'	90:50.00'	13.0	0.3	34.8	25.5	23.1
7/26/1993	D	3	28:43.00'	90:50.00'	14.0	0.2	35.1	24.9	23.5
7/26/1993	D	3	28:43.00'	90:50.00'	15.0	0.2	35.2	24.7	23.6
7/26/1993	D	3	28:43.00'	90:50.00'	16.0	0.2	35.2	24.6	23.6
7/26/1993	D	3	28:43.00'	90:50.00'	16.1	0.1	35.2	24.6	23.6
7/26/1993	D	3	28:43.00'	90:50.00'	16.3	0.2	35.2	24.6	23.6
Station 3 Depth = 16.3 meters									
7/26/1993	D	2	28:50.50'	90:50.00'	1.3	9.3	8.7	29.5	2.3
7/26/1993	D	2	28:50.50'	90:50.00'	2.1	9.1	8.9	29.5	2.4
7/26/1993	D	2	28:50.50'	90:50.00'	2.6	8.2	8.9	29.5	2.4

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Transect D

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	D	2	28:50.50'	90:50.00'	2.8	7.9	9.4	29.5	2.8
7/26/1993	D	2	28:50.50'	90:50.00'	3.0	7.6	10.1	29.8	3.3
7/26/1993	D	2	28:50.50'	90:50.00'	3.4	6.9	11.0	29.8	3.9
7/26/1993	D	2	28:50.50'	90:50.00'	3.8	5.8	12.5	29.8	5.0
7/26/1993	D	2	28:50.50'	90:50.00'	4.0	5.8	12.8	29.8	5.2
7/26/1993	D	2	28:50.50'	90:50.00'	4.6	4.7	17.0	29.4	8.5
7/26/1993	D	2	28:50.50'	90:50.00'	5.0	3.7	20.7	29.2	11.3
7/26/1993	D	2	28:50.50'	90:50.00'	5.2	3.2	23.0	28.8	13.2
7/26/1993	D	2	28:50.50'	90:50.00'	5.4	2.7	26.0	28.2	15.6
7/26/1993	D	2	28:50.50'	90:50.00'	5.6	2.7	27.1	27.7	16.6
7/26/1993	D	2	28:50.50'	90:50.00'	5.8	2.1	27.8	27.5	17.1
7/26/1993	D	2	28:50.50'	90:50.00'	6.0	1.6	30.2	27.3	19.0
7/26/1993	D	2	28:50.50'	90:50.00'	6.2	1.3	32.1	27.3	20.5
7/26/1993	D	2	28:50.50'	90:50.00'	6.4	1.1	32.9	26.8	21.2
7/26/1993	D	2	28:50.50'	90:50.00'	6.7	1.1	33.2	26.6	21.4
7/26/1993	D	2	28:50.50'	90:50.00'	6.8	1.0	33.1	26.8	21.4
7/26/1993	D	2	28:50.50'	90:50.00'	7.0	0.9	33.9	26.9	21.9
7/26/1993	D	2	28:50.50'	90:50.00'	7.4	2.0	34.3	27.2	22.2
7/26/1993	D	2	28:50.50'	90:50.00'	7.8	2.0	34.5	27.2	22.3
7/26/1993	D	2	28:50.50'	90:50.00'	8.0	1.5	34.8	27.0	22.5
7/26/1993	D	2	28:50.50'	90:50.00'	9.0	0.8	35.0	26.5	22.9
7/26/1993	D	2	28:50.50'	90:50.00'	10.0	0.5	35.2	26.4	23.1
7/26/1993	D	2	28:50.50'	90:50.00'	11.1	0.4	35.3	26.5	23.1
7/26/1993	D	2	28:50.50'	90:50.00'	12.0	0.4	35.3	26.5	23.1
7/26/1993	D	2	28:50.50'	90:50.00'	13.0	0.3	35.3	26.5	23.1
7/26/1993	D	2	28:50.50'	90:50.00'	14.0	0.3	35.3	26.5	23.1
Station 2 Depth = 14.0 meters									
7/26/1993	D	1N	28:56.50'	90:50.00'	1.3	8.1	8.1	29.1	2.0
7/26/1993	D	1N	28:56.50'	90:50.00'	1.4	8.1	7.8	29.1	1.7
7/26/1993	D	1N	28:56.50'	90:50.00'	1.6	6.6	11.6	29.2	4.6
7/26/1993	D	1N	28:56.50'	90:50.00'	1.8	6.7	9.8	29.1	3.2
7/26/1993	D	1N	28:56.50'	90:50.00'	2.0	1.6	25.4	28.5	15.0
7/26/1993	D	1N	28:56.50'	90:50.00'	2.3	1.3	26.8	28.2	16.2
7/26/1993	D	1N	28:56.50'	90:50.00'	2.4	0.9	28.2	28.2	17.2
7/26/1993	D	1N	28:56.50'	90:50.00'	2.7	0.8	29.7	28.0	18.4
7/26/1993	D	1N	28:56.50'	90:50.00'	2.8	0.8	30.5	27.9	19.0
7/26/1993	D	1N	28:56.50'	90:50.00'	3.0	0.8	31.1	27.9	19.5
7/26/1993	D	1N	28:56.50'	90:50.00'	4.0	0.8	33.4	27.8	21.3
7/26/1993	D	1N	28:56.50'	90:50.00'	5.0	0.9	33.8	27.6	21.6
7/26/1993	D	1N	28:56.50'	90:50.00'	6.0	0.4	34.0	27.3	21.9
7/26/1993	D	1N	28:56.50'	90:50.00'	7.0	0.2	34.4	27.1	22.3
7/26/1993	D	1N	28:56.50'	90:50.00'	8.0	0.1	35.1	27.0	22.8
7/26/1993	D	1N	28:56.50'	90:50.00'	8.7	0.1	35.1	27.0	22.8
7/26/1993	D	1N	28:56.50'	90:50.00'	8.8	0.1	35.1	27.0	22.8

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Transect D

Date	Trn.	Stn.	Lat. deg:min	Long. deg:min	Depth (m)	D.O. (mg/L)	Sal. (ppt.)	Temp. (Cent.)	Density Sigma-t
Station 1N Depth = 8.8 meters									
7/26/1993	D	1	28:59.50'	90:50.00'	1.4	2.9	17.4	29.2	8.9
7/26/1993	D	1	28:59.50'	90:50.00'	1.4	2.8	17.4	29.2	8.9
7/26/1993	D	1	28:59.50'	90:50.00'	1.5	2.7	18.2	29.2	9.5
7/26/1993	D	1	28:59.50'	90:50.00'	1.6	2.7	19.4	29.2	10.4
7/26/1993	D	1	28:59.50'	90:50.00'	1.7	2.7	19.8	29.1	10.6
7/26/1993	D	1	28:59.50'	90:50.00'	1.8	1.3	23.7	28.9	13.6
7/26/1993	D	1	28:59.50'	90:50.00'	2.0	1.4	24.2	28.8	14.1
7/26/1993	D	1	28:59.50'	90:50.00'	2.2	1.0	23.7	28.8	13.6
7/26/1993	D	1	28:59.50'	90:50.00'	2.4	0.7	24.3	28.8	14.1
7/26/1993	D	1	28:59.50'	90:50.00'	2.6	0.4	25.2	28.7	14.8
7/26/1993	D	1	28:59.50'	90:50.00'	2.8	0.4	27.0	28.5	16.2
7/26/1993	D	1	28:59.50'	90:50.00'	3.0	0.3	28.8	28.4	17.6
7/26/1993	D	1	28:59.50'	90:50.00'	4.0	0.2	32.4	27.7	20.5
7/26/1993	D	1	28:59.50'	90:50.00'	5.0	0.1	33.0	27.5	21.1
7/26/1993	D	1	28:59.50'	90:50.00'	5.6	0.1	33.4	27.5	21.3
7/26/1993	D	1	28:59.50'	90:50.00'	6.2	0.5	34.3	27.3	22.1
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