

**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
7/25/1993	D'	1	28:46.50'	90:31.70'	0.9	6.9	15.3	29.1	7.3
7/25/1993	D'	1	28:46.50'	90:31.70'	1.0	6.9	15.3	29.1	7.4
7/25/1993	D'	1	28:46.50'	90:31.70'	2.0	6.8	15.6	29.0	7.6
7/25/1993	D'	1	28:46.50'	90:31.70'	3.0	6.2	15.9	29.1	7.8
7/25/1993	D'	1	28:46.50'	90:31.70'	4.0	5.8	17.5	29.6	8.8
7/25/1993	D'	1	28:46.50'	90:31.70'	5.4	4.1	25.4	29.4	14.8
7/25/1993	D'	1	28:46.50'	90:31.70'	5.6	3.1	26.1	29.1	15.4
7/25/1993	D'	1	28:46.50'	90:31.70'	5.9	3.0	27.0	28.6	16.2
7/25/1993	D'	1	28:46.50'	90:31.70'	6.0	2.4	27.4	28.6	16.5
7/25/1993	D'	1	28:46.50'	90:31.70'	6.6	1.4	30.8	27.5	19.4
7/25/1993	D'	1	28:46.50'	90:31.70'	7.1	1.1	32.5	27.2	20.8
7/25/1993	D'	1	28:46.50'	90:31.70'	7.4	1.0	32.7	27.4	20.9
7/25/1993	D'	1	28:46.50'	90:31.70'	7.8	1.7	33.4	27.0	21.6
7/25/1993	D'	1	28:46.50'	90:31.70'	8.0	1.8	33.8	27.1	21.8
7/25/1993	D'	1	28:46.50'	90:31.70'	9.0	2.8	34.5	27.0	22.3
7/25/1993	D'	1	28:46.50'	90:31.70'	10.0	3.1	34.9	27.1	22.6
7/25/1993	D'	1	28:46.50'	90:31.70'	11.1	3.2	35.0	27.2	22.7
7/25/1993	D'	1	28:46.50'	90:31.70'	12.0	3.1	35.0	27.2	22.7
7/25/1993	D'	1	28:46.50'	90:31.70'	12.6	2.8	35.1	27.2	22.7
7/25/1993	D'	1	28:46.50'	90:31.70'	13.0	2.5	35.1	27.2	22.7
7/25/1993	D'	1	28:46.50'	90:31.70'	14.0	2.2	35.1	27.1	22.8
7/25/1993	D'	1	28:46.50'	90:31.70'	15.0	1.1	35.1	26.6	22.9
7/25/1993	D'	1	28:46.50'	90:31.70'	16.0	0.5	35.7	25.6	23.6
7/25/1993	D'	1	28:46.50'	90:31.70'	17.0	0.4	35.6	25.6	23.6
7/25/1993	D'	1	28:46.50'	90:31.70'	17.6	0.2	35.6	25.6	23.6
7/25/1993	D'	1	28:46.50'	90:31.70'	17.9	0.2	35.6	25.6	23.6
Station 1 Depth: 17.9 meters									
7/25/1993	D'	2	28:43.00'	90:31.72'	1.1	8.6	11.9	29.6	4.6
7/25/1993	D'	2	28:43.00'	90:31.72'	2.0	8.1	12.1	29.3	4.9
7/25/1993	D'	2	28:43.00'	90:31.72'	3.0	7.2	12.6	29.3	5.2
7/25/1993	D'	2	28:43.00'	90:31.72'	4.0	6.7	13.4	29.6	5.8
7/25/1993	D'	2	28:43.00'	90:31.72'	5.0	5.8	21.2	30.5	11.3
7/25/1993	D'	2	28:43.00'	90:31.72'	5.6	5.6	23.6	30.1	13.2
7/25/1993	D'	2	28:43.00'	90:31.72'	5.8	4.4	23.8	29.8	13.4
7/25/1993	D'	2	28:43.00'	90:31.72'	6.1	3.4	26.3	28.9	15.6
7/25/1993	D'	2	28:43.00'	90:31.72'	7.0	3.1	30.6	27.9	19.1
7/25/1993	D'	2	28:43.00'	90:31.72'	7.6	1.8	32.4	27.3	20.7
7/25/1993	D'	2	28:43.00'	90:31.72'	8.0	1.5	33.0	27.3	21.1
7/25/1993	D'	2	28:43.00'	90:31.72'	8.5	1.1	33.0	27.2	21.2
7/25/1993	D'	2	28:43.00'	90:31.72'	8.8	1.1	33.1	27.1	21.3
7/25/1993	D'	2	28:43.00'	90:31.72'	9.0	2.3	33.3	27.0	21.4
7/25/1993	D'	2	28:43.00'	90:31.72'	10.0	2.4	33.9	26.8	22.0
7/25/1993	D'	2	28:43.00'	90:31.72'	11.0	3.0	34.4	26.7	22.4
7/25/1993	D'	2	28:43.00'	90:31.72'	12.0	2.9	34.9	26.6	22.8

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Date	Trn.	Stn.	Lat. deg:min	Long. deg:min	Depth (m)	D.O. (mg/L)	Sal. (ppt.)	Temp. (Cent.)	Density Sigma-t
7/25/1993	D'	2	28:43.00'	90:31.72'	13.0	2.2	35.1	26.6	22.9
7/25/1993	D'	2	28:43.00'	90:31.72'	14.0	1.7	35.2	26.5	23.0
7/25/1993	D'	2	28:43.00'	90:31.72'	15.0	1.4	35.2	26.5	23.0
7/25/1993	D'	2	28:43.00'	90:31.72'	16.0	1.3	35.2	26.5	23.0
7/25/1993	D'	2	28:43.00'	90:31.72'	16.6	1.2	35.2	26.4	23.1
Station 2 Depth: 16.6 meters									
7/25/1993	D'	3	28:38.50'	90:32.00'	1.1	8.7	11.9	30.2	4.4
7/25/1993	D'	3	28:38.50'	90:32.00'	2.0	8.8	12.2	30.0	4.7
7/25/1993	D'	3	28:38.50'	90:32.00'	3.0	8.2	12.3	29.9	4.9
7/25/1993	D'	3	28:38.50'	90:32.00'	4.0	7.0	17.7	30.5	8.7
7/25/1993	D'	3	28:38.50'	90:32.00'	5.0	6.5	20.5	30.6	10.7
7/25/1993	D'	3	28:38.50'	90:32.00'	6.0	6.0	23.1	30.6	12.7
7/25/1993	D'	3	28:38.50'	90:32.00'	7.0	5.9	23.6	30.5	13.0
7/25/1993	D'	3	28:38.50'	90:32.00'	8.0	5.3	24.8	30.0	14.1
7/25/1993	D'	3	28:38.50'	90:32.00'	8.2	4.7	24.7	30.0	14.1
7/25/1993	D'	3	28:38.50'	90:32.00'	8.6	4.3	25.5	29.1	14.9
7/25/1993	D'	3	28:38.50'	90:32.00'	9.0	3.2	26.5	29.0	15.7
7/25/1993	D'	3	28:38.50'	90:32.00'	9.4	2.2	27.5	28.5	16.6
7/25/1993	D'	3	28:38.50'	90:32.00'	9.8	1.7	29.1	27.4	18.2
7/25/1993	D'	3	28:38.50'	90:32.00'	10.0	1.5	29.2	27.3	18.3
7/25/1993	D'	3	28:38.50'	90:32.00'	10.2	2.7	30.2	27.5	18.9
7/25/1993	D'	3	28:38.50'	90:32.00'	10.4	2.6	31.9	27.1	20.4
7/25/1993	D'	3	28:38.50'	90:32.00'	11.0	2.9	32.6	26.6	21.1
7/25/1993	D'	3	28:38.50'	90:32.00'	12.0	2.9	32.9	26.4	21.3
7/25/1993	D'	3	28:38.50'	90:32.00'	12.6	3.6	33.3	26.2	21.7
7/25/1993	D'	3	28:38.50'	90:32.00'	13.0	4.3	33.8	26.1	22.1
7/25/1993	D'	3	28:38.50'	90:32.00'	14.0	4.8	34.1	26.1	22.4
7/25/1993	D'	3	28:38.50'	90:32.00'	15.0	4.7	34.3	25.8	22.5
7/25/1993	D'	3	28:38.50'	90:32.00'	16.0	4.3	34.2	25.5	22.6
7/25/1993	D'	3	28:38.50'	90:32.00'	17.0	2.2	34.9	25.1	23.2
7/25/1993	D'	3	28:38.50'	90:32.00'	17.6	1.8	35.5	24.5	23.8
7/25/1993	D'	3	28:38.50'	90:32.00'	18.0	1.6	35.5	24.6	23.8
7/25/1993	D'	3	28:38.50'	90:32.00'	18.5	1.2	35.6	24.4	23.9
7/25/1993	D'	3	28:38.50'	90:32.00'	18.9	1.1	35.6	24.4	23.9
7/25/1993	D'	3	28:38.50'	90:32.00'	18.9	1.1	35.6	24.4	24.0
Station 3 Depth: 18.9 meters									
7/26/1993	D'	4	28:34.15'	90:32.80'	1.3	7.3	9.9	30.4	2.9
7/26/1993	D'	4	28:34.15'	90:32.80'	2.0	7.3	9.9	30.4	2.9
7/26/1993	D'	4	28:34.15'	90:32.80'	3.0	6.9	11.1	30.4	3.8
7/26/1993	D'	4	28:34.15'	90:32.80'	4.0	6.4	18.5	30.5	9.3
7/26/1993	D'	4	28:34.15'	90:32.80'	5.1	6.1	23.3	30.4	12.8
7/26/1993	D'	4	28:34.15'	90:32.80'	6.0	6.0	26.1	30.4	15.0
7/26/1993	D'	4	28:34.15'	90:32.80'	7.1	5.9	26.3	30.2	15.2

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7/26/1993	D'	4	28:34.15'	90:32.80'	8.1	5.7	26.5	30.0	15.4
7/26/1993	D'	4	28:34.15'	90:32.80'	9.0	5.2	26.5	29.7	15.5
7/26/1993	D'	4	28:34.15'	90:32.80'	10.0	5.1	26.8	29.5	15.8
7/26/1993	D'	4	28:34.15'	90:32.80'	11.0	4.1	27.3	29.1	16.2
7/26/1993	D'	4	28:34.15'	90:32.80'	11.2	3.9	27.4	29.0	16.4
7/26/1993	D'	4	28:34.15'	90:32.80'	11.4	3.7	27.6	29.0	16.5
7/26/1993	D'	4	28:34.15'	90:32.80'	11.6	3.3	27.7	28.9	16.6
7/26/1993	D'	4	28:34.15'	90:32.80'	11.8	3.0	27.8	28.9	16.7
7/26/1993	D'	4	28:34.15'	90:32.80'	12.0	2.4	28.2	28.6	17.1
7/26/1993	D'	4	28:34.15'	90:32.80'	13.0	2.0	29.6	27.9	18.4
7/26/1993	D'	4	28:34.15'	90:32.80'	13.5	1.6	30.1	27.4	18.9
7/26/1993	D'	4	28:34.15'	90:32.80'	13.7	1.8	30.2	27.4	19.0
7/26/1993	D'	4	28:34.15'	90:32.80'	13.9	2.2	30.5	27.3	19.3
7/26/1993	D'	4	28:34.15'	90:32.80'	14.1	2.6	31.1	27.0	19.8
7/26/1993	D'	4	28:34.15'	90:32.80'	15.1	2.9	32.7	26.7	21.1
7/26/1993	D'	4	28:34.15'	90:32.80'	15.2	2.9	32.9	26.6	21.3
7/26/1993	D'	4	28:34.15'	90:32.80'	15.4	3.1	32.9	26.6	21.3
7/26/1993	D'	4	28:34.15'	90:32.80'	15.6	3.5	32.9	26.6	21.3
7/26/1993	D'	4	28:34.15'	90:32.80'	15.8	4.0	33.2	26.5	21.5
7/26/1993	D'	4	28:34.15'	90:32.80'	16.1	4.5	33.5	26.5	21.8
7/26/1993	D'	4	28:34.15'	90:32.80'	17.0	5.2	34.2	26.4	22.3
7/26/1993	D'	4	28:34.15'	90:32.80'	18.0	5.7	34.8	26.7	22.6
7/26/1993	D'	4	28:34.15'	90:32.80'	19.1	5.7	35.0	26.7	22.8
7/26/1993	D'	4	28:34.15'	90:32.80'	20.1	5.0	35.0	26.2	22.9
7/26/1993	D'	4	28:34.15'	90:32.80'	21.0	4.6	34.9	25.1	23.2
7/26/1993	D'	4	28:34.15'	90:32.80'	22.1	4.3	35.1	24.7	23.5
7/26/1993	D'	4	28:34.15'	90:32.80'	23.0	4.2	35.3	24.2	23.8
7/26/1993	D'	4	28:34.15'	90:32.80'	24.1	4.0	36.0	23.0	24.7
7/26/1993	D'	4	28:34.15'	90:32.80'	25.0	3.7	35.7	22.8	24.5
7/26/1993	D'	4	28:34.15'	90:32.80'	26.0	3.4	35.7	22.7	24.6
7/26/1993	D'	4	28:34.15'	90:32.80'	27.0	3.2	35.7	22.7	24.6
7/26/1993	D'	4	28:34.15'	90:32.80'	28.0	3.0	35.7	22.7	24.6
7/26/1993	D'	4	28:34.15'	90:32.80'	29.1	2.9	35.7	22.7	24.6
7/26/1993	D'	4	28:34.15'	90:32.80'	29.4	2.9	35.7	22.7	24.6
Station 4 Depth: 29.4 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.)

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Transect D'

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

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
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