

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

Transect J

Date	Trn.	Stn.	Lat. deg:min	Long. deg:min	Depth (m)	D.O. (mg/L)	Sal. (ppt.)	Temp. (Cent.)	Density Sigma-t
7/28/1993	J	6	29:58.00'	93:05.00'	1.0	6.2	30.2	31.6	17.6
7/28/1993	J	6	29:58.00'	93:05.00'	2.0	6.4	30.6	30.7	18.2
7/28/1993	J	6	29:58.00'	93:05.00'	3.0	6.3	30.4	30.7	18.0
7/28/1993	J	6	29:58.00'	93:05.00'	4.0	6.3	30.4	30.7	18.0
7/28/1993	J	6	29:58.00'	93:05.00'	5.0	6.3	30.2	30.8	17.9
7/28/1993	J	6	29:58.00'	93:05.00'	6.0	6.3	30.3	30.8	17.9
7/28/1993	J	6	29:58.00'	93:05.00'	7.1	6.4	30.5	30.1	18.3
7/28/1993	J	6	29:58.00'	93:05.00'	8.0	6.4	30.5	30.1	18.4
7/28/1993	J	6	29:58.00'	93:05.00'	9.1	6.4	30.5	30.0	18.4
7/28/1993	J	6	29:58.00'	93:05.00'	10.0	6.4	30.6	30.0	18.5
7/28/1993	J	6	29:58.00'	93:05.00'	11.0	6.5	31.0	29.9	18.7
7/28/1993	J	6	29:58.00'	93:05.00'	12.0	6.5	31.0	29.9	18.8
7/28/1993	J	6	29:58.00'	93:05.00'	13.0	6.5	31.2	29.9	18.9
7/28/1993	J	6	29:58.00'	93:05.00'	14.1	6.4	31.6	29.8	19.2
7/28/1993	J	6	29:58.00'	93:05.00'	15.0	6.4	31.7	29.8	19.3
7/28/1993	J	6	29:58.00'	93:05.00'	16.0	6.4	31.9	29.6	19.6
7/28/1993	J	6	29:58.00'	93:05.00'	17.0	6.4	32.3	29.3	19.9
7/28/1993	J	6	29:58.00'	93:05.00'	18.0	6.4	32.7	28.9	20.4
7/28/1993	J	6	29:58.00'	93:05.00'	19.0	5.4	33.4	27.8	21.2
7/28/1993	J	6	29:58.00'	93:05.00'	20.0	5.1	33.3	27.6	21.3
7/28/1993	J	6	29:58.00'	93:05.00'	21.0	5.0	33.4	27.5	21.3
7/28/1993	J	6	29:58.00'	93:05.00'	22.0	4.1	34.0	26.5	22.1
7/28/1993	J	6	29:58.00'	93:05.00'	22.3	3.9	34.3	25.8	22.5
7/28/1993	J	6	29:58.00'	93:05.00'	22.6	3.8	34.5	25.5	22.8
Station 6 Depth = 22.6 meters									
7/28/1993	J	5	29:07.00'	93:05.00'	1.2	6.5	28.8	31.1	16.7
7/28/1993	J	5	29:07.00'	93:05.00'	2.0	6.6	28.9	30.8	16.9
7/28/1993	J	5	29:07.00'	93:05.00'	3.0	6.5	29.4	30.8	17.2
7/28/1993	J	5	29:07.00'	93:05.00'	4.0	6.5	29.7	30.8	17.5
7/28/1993	J	5	29:07.00'	93:05.00'	5.0	6.5	29.8	30.7	17.6
7/28/1993	J	5	29:07.00'	93:05.00'	6.0	6.5	29.9	30.8	17.6
7/28/1993	J	5	29:07.00'	93:05.00'	7.0	6.5	29.9	30.8	17.6
7/28/1993	J	5	29:07.00'	93:05.00'	8.1	6.5	29.9	30.8	17.7
7/28/1993	J	5	29:07.00'	93:05.00'	9.0	6.5	30.1	30.4	17.9
7/28/1993	J	5	29:07.00'	93:05.00'	10.0	6.5	30.0	30.5	17.9
7/28/1993	J	5	29:07.00'	93:05.00'	11.0	6.4	30.4	30.1	18.3
7/28/1993	J	5	29:07.00'	93:05.00'	12.0	6.2	30.8	29.6	18.7
7/28/1993	J	5	29:07.00'	93:05.00'	13.0	6.1	31.3	29.3	19.2
7/28/1993	J	5	29:07.00'	93:05.00'	14.0	6.0	31.4	29.2	19.3
7/28/1993	J	5	29:07.00'	93:05.00'	15.0	5.8	31.6	28.9	19.6
7/28/1993	J	5	29:07.00'	93:05.00'	16.0	5.7	32.2	28.4	20.1
7/28/1993	J	5	29:07.00'	93:05.00'	16.6	4.7	32.8	27.8	20.9
7/28/1993	J	5	29:07.00'	93:05.00'	17.0	4.3	33.3	27.4	21.3
7/28/1993	J	5	29:07.00'	93:05.00'	18.0	4.1	33.6	27.0	21.6

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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
7/28/1993	J	5	29:07.00'	93:05.00'	18.5	3.5	33.5	26.9	21.6
7/28/1993	J	5	29:07.00'	93:05.00'	18.6	3.8	33.6	26.7	21.7
Station 5 Depth = 18.6 meters									
7/28/1993	J	4	29:17.50'	93.05.00'	0.9	6.4	25.6	33.2	13.6
7/28/1993	J	4	29:17.50'	93.05.00'	1.1	6.3	25.6	33.3	13.5
7/28/1993	J	4	29:17.50'	93.05.00'	2.0	6.6	26.1	31.3	14.6
7/28/1993	J	4	29:17.50'	93.05.00'	3.0	6.7	26.3	31.0	14.9
7/28/1993	J	4	29:17.50'	93.05.00'	4.0	6.6	26.9	30.9	15.3
7/28/1993	J	4	29:17.50'	93.05.00'	5.0	6.6	27.3	30.6	15.8
7/28/1993	J	4	29:17.50'	93.05.00'	6.0	6.8	28.5	30.6	16.6
7/28/1993	J	4	29:17.50'	93.05.00'	7.0	6.8	28.6	30.4	16.8
7/28/1993	J	4	29:17.50'	93.05.00'	8.0	6.7	29.1	30.4	17.2
7/28/1993	J	4	29:17.50'	93.05.00'	9.0	6.7	29.1	30.4	17.2
7/28/1993	J	4	29:17.50'	93.05.00'	10.0	6.6	29.4	30.4	17.4
7/28/1993	J	4	29:17.50'	93.05.00'	11.0	6.2	29.9	30.0	17.9
7/28/1993	J	4	29:17.50'	93.05.00'	11.6	5.7	30.2	29.8	18.2
7/28/1993	J	4	29:17.50'	93.05.00'	12.1	5.4	30.5	29.5	18.5
7/28/1993	J	4	29:17.50'	93.05.00'	13.0	5.3	31.0	29.3	19.0
7/28/1993	J	4	29:17.50'	93.05.00'	14.0	4.7	31.9	28.5	19.9
7/28/1993	J	4	29:17.50'	93.05.00'	15.1	4.2	32.1	28.2	20.2
7/28/1993	J	4	29:17.50'	93.05.00'	15.7	3.7	32.1	28.0	20.2
7/28/1993	J	4	29:17.50'	93.05.00'	15.8	3.8	32.1	27.8	20.3
Station 4 Depth = 15.8 meters									
7/28/1993	J	3	29:23.50'	93.05.00'	1.0	6.0	26.0	32.5	14.1
7/28/1993	J	3	29:23.50'	93.05.00'	1.0	6.1	26.1	32.4	14.2
7/28/1993	J	3	29:23.50'	93.05.00'	2.0	6.2	26.4	31.6	14.7
7/28/1993	J	3	29:23.50'	93.05.00'	3.0	6.2	26.4	31.6	14.7
7/28/1993	J	3	29:23.50'	93.05.00'	4.0	6.5	26.6	31.4	15.0
7/28/1993	J	3	29:23.50'	93.05.00'	5.1	6.5	26.8	31.3	15.2
7/28/1993	J	3	29:23.50'	93.05.00'	6.0	6.5	27.0	31.2	15.4
7/28/1993	J	3	29:23.50'	93.05.00'	7.0	6.6	27.8	30.8	16.1
7/28/1993	J	3	29:23.50'	93.05.00'	8.0	6.7	28.7	30.2	16.9
7/28/1993	J	3	29:23.50'	93.05.00'	9.0	6.9	29.1	29.9	17.4
7/28/1993	J	3	29:23.50'	93.05.00'	10.0	6.6	29.4	29.5	17.7
7/28/1993	J	3	29:23.50'	93.05.00'	10.6	6.0	29.6	29.3	17.9
7/28/1993	J	3	29:23.50'	93.05.00'	10.8	5.8	29.6	29.3	18.0
7/28/1993	J	3	29:23.50'	93.05.00'	11.0	5.4	29.7	29.1	18.1
7/28/1993	J	3	29:23.50'	93.05.00'	11.2	4.9	29.8	29.1	18.2
7/28/1993	J	3	29:23.50'	93.05.00'	11.4	4.6	29.9	29.1	18.2
7/28/1993	J	3	29:23.50'	93.05.00'	11.6	4.1	30.0	29.0	18.3
7/28/1993	J	3	29:23.50'	93.05.00'	11.9	3.7	30.0	29.0	18.3
7/28/1993	J	3	29:23.50'	93.05.00'	12.0	3.5	30.2	29.0	18.4
7/28/1993	J	3	29:23.50'	93.05.00'	13.0	3.3	30.8	29.0	18.9

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7/28/1993	J	3	29:23.50'	93.05.00'	13.2	3.2	30.8	29.0	18.9
7/28/1993	J	3	29:23.50'	93.05.00'	13.4	2.4	31.3	28.4	19.5
Station 3 Depth = 13.4 meters									
7/28/1993	J	2	29:30.50'	93.05.00'	1.1	6.9	27.9	30.9	16.1
7/28/1993	J	2	29:30.50'	93.05.00'	2.1	6.9	28.1	30.7	16.3
7/28/1993	J	2	29:30.50'	93.05.00'	3.0	6.9	28.1	30.6	16.3
7/28/1993	J	2	29:30.50'	93.05.00'	4.0	6.7	28.1	30.5	16.4
7/28/1993	J	2	29:30.50'	93.05.00'	5.0	6.8	28.1	30.5	16.4
7/28/1993	J	2	29:30.50'	93.05.00'	6.0	6.8	28.1	30.5	16.4
7/28/1993	J	2	29:30.50'	93.05.00'	7.0	6.6	28.1	30.5	16.4
7/28/1993	J	2	29:30.50'	93.05.00'	8.0	6.5	28.1	30.5	16.4
7/28/1993	J	2	29:30.50'	93.05.00'	9.0	5.2	28.1	30.2	16.5
7/28/1993	J	2	29:30.50'	93.05.00'	9.5	4.2	28.0	30.1	16.5
7/28/1993	J	2	29:30.50'	93.05.00'	9.6	4.2	28.0	29.9	16.5
7/28/1993	J	2	29:30.50'	93.05.00'	10.1	3.3	28.0	29.9	16.5
7/28/1993	J	2	29:30.50'	93.05.00'	11.0	2.1	28.0	29.5	16.6
7/28/1993	J	2	29:30.50'	93.05.00'	11.3	1.1	28.0	29.5	16.6
7/28/1993	J	2	29:30.50'	93.05.00'	11.5	1.1	28.0	29.4	16.7
7/28/1993	J	2	29:30.50'	93.05.00'	11.6	1.2	28.0	29.4	16.7
Station 2 Depth = 11.6 meters									
7/28/1993	J	1	29:38.00'	93.05.00'	1.0	7.0	28.0	32.3	15.7
7/28/1993	J	1	29:38.00'	93.05.00'	1.0	7.0	28.0	32.3	15.7
7/28/1993	J	1	29:38.00'	93.05.00'	2.0	7.0	28.0	32.3	15.7
7/28/1993	J	1	29:38.00'	93.05.00'	3.0	7.3	27.8	30.9	16.1
7/28/1993	J	1	29:38.00'	93.05.00'	4.0	7.1	27.9	30.4	16.3
7/28/1993	J	1	29:38.00'	93.05.00'	5.0	7.2	28.0	30.4	16.4
7/28/1993	J	1	29:38.00'	93.05.00'	6.0	7.3	28.1	30.5	16.4
7/28/1993	J	1	29:38.00'	93.05.00'	7.0	6.8	28.2	30.5	16.5
7/28/1993	J	1	29:38.00'	93.05.00'	8.0	4.2	28.2	30.2	16.6
7/28/1993	J	1	29:38.00'	93.05.00'	8.5	2.1	28.0	29.7	16.6
7/28/1993	J	1	29:38.00'	93.05.00'	8.8	2.2	28.0	29.6	16.6
Station 1 Depth = 8.8 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.)

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

Density (Sigma-t).

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

Tran J July 1993.wpd