

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

Transect Y

Date	Trn.	Stn.	Lat.	Long.	Depth (m)	D.O.	Sal. (ppt.)	Temp. (Cent.)	Density
			deg:min	deg:min		(mg/L)			Sigma-t
7/24/1993	Y	2	28:53.9'	89:30.0'	1.8	6.5	22.1	29.2	12.3
7/24/1993	Y	2	28:53.9'	89:30.0'	2.0	6.4	22.1	29.2	12.3
7/24/1993	Y	2	28:53.9'	89:30.0'	4.0	6.5	22.0	29.1	12.3
7/24/1993	Y	2	28:53.9'	89:30.0'	5.0	6.5	22.1	29.1	12.3
7/24/1993	Y	2	28:53.9'	89:30.0'	6.1	6.4	22.2	29.2	12.4
7/24/1993	Y	2	28:53.9'	89:30.0'	7.0	6.3	22.3	29.2	12.5
7/24/1993	Y	2	28:53.9'	89:30.0'	8.0	6.3	22.3	29.2	12.5
7/24/1993	Y	2	28:53.9'	89:30.0'	9.0	6.1	22.3	29.2	12.5
7/24/1993	Y	2	28:53.9'	89:30.0'	9.2	5.9	22.3	29.2	12.5
7/24/1993	Y	2	28:53.9'	89:30.0'	9.5	5.6	22.4	29.3	12.5
7/24/1993	Y	2	28:53.9'	89:30.0'	9.6	5.4	22.7	29.2	12.8
7/24/1993	Y	2	28:53.9'	89:30.0'	9.8	5.1	24.0	28.9	13.8
7/24/1993	Y	2	28:53.9'	89:30.0'	10.1	4.5	24.1	28.5	14.0
7/24/1993	Y	2	28:53.9'	89:30.0'	10.2	4.0	23.7	28.5	13.8
7/24/1993	Y	2	28:53.9'	89:30.0'	10.4	3.3	27.4	28.4	16.6
7/24/1993	Y	2	28:53.9'	89:30.0'	10.8	3.0	33.0	28.4	20.8
7/24/1993	Y	2	28:53.9'	89:30.0'	11.0	2.9	33.5	28.4	21.2
7/24/1993	Y	2	28:53.9'	89:30.0'	12.0	2.3	34.0	27.3	21.9
7/24/1993	Y	2	28:53.9'	89:30.0'	12.4	2.2	34.3	27.3	22.1
7/24/1993	Y	2	28:53.9'	89:30.0'	13.0	1.9	34.8	27.1	22.5
7/24/1993	Y	2	28:53.9'	89:30.0'	14.1	1.6	35.3	26.4	23.2
7/24/1993	Y	2	28:53.9'	89:30.0'	14.4	1.3	35.1	26.7	22.9
7/24/1993	Y	2	28:53.9'	89:30.0'	15.1	1.1	35.5	25.8	23.5
7/24/1993	Y	2	28:53.9'	89:30.0'	15.3	1.0	35.5	25.7	23.5
7/24/1993	Y	2	28:53.9'	89:30.0'	15.5	1.0	35.6	25.6	23.6
7/24/1993	Y	2	28:53.9'	89:30.0'	15.7	1.0	35.7	25.5	23.7
7/24/1993	Y	2	28:53.9'	89:30.0'	15.9	1.2	35.4	25.8	23.4
7/24/1993	Y	2	28:53.9'	89:30.0'	16.1	1.3	35.6	25.5	23.7
7/24/1993	Y	2	28:53.9'	89:30.0'	17.1	1.6	35.9	24.7	24.1
7/24/1993	Y	2	28:53.9'	89:30.0'	18.1	1.7	36.0	23.3	24.6
7/24/1993	Y	2	28:53.9'	89:30.0'	19.0	2.4	35.8	23.4	24.4
7/24/1993	Y	2	28:53.9'	89:30.0'	19.0	2.5	35.8	23.5	24.4
7/24/1993	Y	2	28:53.9'	89:30.0'	19.5	2.9	36.0	22.7	24.8
7/24/1993	Y	2	28:53.9'	89:30.0'	19.7	3.0	36.1	22.6	24.9
7/24/1993	Y	2	28:53.9'	89:30.0'	20.1	3.1	36.1	22.5	24.9
7/24/1993	Y	2	28:53.9'	89:30.0'	20.2	3.1	36.1	22.5	24.9
7/24/1993	Y	2	28:53.9'	89:30.0'	20.4	3.1	36.1	22.5	24.9
7/24/1993	Y	2	28:53.9'	89:30.0'	20.6	3.2	36.2	22.5	25.0
7/24/1993	Y	2	28:53.9'	89:30.0'	20.8	3.9	36.0	22.5	24.9
7/24/1993	Y	2	28:53.9'	89:30.0'	21.1	4.1	36.1	22.3	25.0
7/24/1993	Y	2	28:53.9'	89:30.0'	22.0	4.2	36.3	22.0	25.2
7/24/1993	Y	2	28:53.9'	89:30.0'	22.2	4.1	36.1	22.1	25.1
7/24/1993	Y	2	28:53.9'	89:30.0'	22.4	3.9	36.0	21.9	25.0
7/24/1993	Y	2	28:53.9'	89:30.0'	22.8	3.8	36.2	21.7	25.2
7/24/1993	Y	2	28:53.9'	89:30.0'	23.1	3.8	36.2	21.6	25.2

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Transect Y

Date	Trn.	Stn.	Lat. deg:min	Long. deg:min	Depth (m)	D.O. (mg/L)	Sal. (ppt.)	Temp. (Cent.)	Density Sigma-t
7/24/1993	Y	2	28:53.9'	89:30.0'	23.4	3.7	36.3	21.5	25.3
7/24/1993	Y	2	28:53.9'	89:30.0'	24.1	2.8	36.2	21.4	25.3
7/24/1993	Y	2	28:53.9'	89:30.0'	24.4	2.6	36.3	21.0	25.5
7/24/1993	Y	2	28:53.9'	89:30.0'	25.0	2.4	36.5	20.9	25.6
7/24/1993	Y	2	28:53.9'	89:30.0'	26.1	2.3	36.4	20.7	25.7
7/24/1993	Y	2	28:53.9'	89:30.0'	26.6	2.4	36.4	20.6	25.7
7/24/1993	Y	2	28:53.9'	89:30.0'	27.0	2.5	36.4	20.6	25.7
7/24/1993	Y	2	28:53.9'	89:30.0'	28.0	2.7	36.6	20.1	26.0
7/24/1993	Y	2	28:53.9'	89:30.0'	28.6	2.8	36.4	20.0	25.8
7/24/1993	Y	2	28:53.9'	89:30.0'	29.0	3.0	36.4	20.0	25.8
Station 2 depth = 29 m									
7/24/1993	Y	1	28:58.0'	89:28.5'	1.3	6.8	9.9	28.3	3.5
7/24/1993	Y	1	28:58.0'	89:28.5'	5.8	6.3	21.9	29.0	12.2
7/24/1993	Y	1	28:58.0'	89:28.5'	6.0	5.0	21.9	29.0	12.3
7/24/1993	Y	1	28:58.0'	89:28.5'	6.2	4.2	21.9	29.0	12.3
7/24/1993	Y	1	28:58.0'	89:28.5'	6.4	3.9	22.0	29.0	12.3
7/24/1993	Y	1	28:58.0'	89:28.5'	6.7	3.3	23.1	29.0	13.1
7/24/1993	Y	1	28:58.0'	89:28.5'	6.8	3.2	25.5	28.9	15.0
7/24/1993	Y	1	28:58.0'	89:28.5'	7.1	2.9	27.7	28.7	16.7
7/24/1993	Y	1	28:58.0'	89:28.5'	7.5	2.7	27.4	28.7	16.5
7/24/1993	Y	1	28:58.0'	89:28.5'	7.9	1.4	27.9	28.7	16.8
7/24/1993	Y	1	28:58.0'	89:28.5'	8.1	1.3	29.8	28.5	18.3
7/24/1993	Y	1	28:58.0'	89:28.5'	9.0	1.5	32.7	27.8	20.7
7/24/1993	Y	1	28:58.0'	89:28.5'	9.5	1.5	33.6	27.6	21.5
7/24/1993	Y	1	28:58.0'	89:28.5'	9.8	1.7	33.9	27.5	21.7
7/24/1993	Y	1	28:58.0'	89:28.5'	10.1	2.0	33.9	27.5	21.7
7/24/1993	Y	1	28:58.0'	89:28.5'	10.4	2.2	34.1	27.7	21.9
7/24/1993	Y	1	28:58.0'	89:28.5'	10.6	2.3	34.2	27.7	21.9
7/24/1993	Y	1	28:58.0'	89:28.5'	11.0	2.4	34.2	27.8	21.9
7/24/1993	Y	1	28:58.0'	89:28.5'	11.5	2.2	34.6	27.7	22.2
7/24/1993	Y	1	28:58.0'	89:28.5'	11.8	2.0	34.8	27.5	22.4
7/24/1993	Y	1	28:58.0'	89:28.5'	12.0	2.0	34.8	27.5	22.4
7/24/1993	Y	1	28:58.0'	89:28.5'	12.4	1.9	34.9	27.3	22.5
7/24/1993	Y	1	28:58.0'	89:28.5'	12.8	1.6	35.0	27.2	22.6
7/24/1993	Y	1	28:58.0'	89:28.5'	13.0	1.2	35.1	27.0	22.8
7/24/1993	Y	1	28:58.0'	89:28.5'	13.5	0.7	35.0	26.8	22.8
7/24/1993	Y	1	28:58.0'	89:28.5'	13.9	0.6	35.0	26.6	22.9
7/24/1993	Y	1	28:58.0'	89:28.5'	14.1	0.6	35.1	26.5	22.9
7/24/1993	Y	1	28:58.0'	89:28.5'	14.5	0.6	35.2	26.2	23.2
7/24/1993	Y	1	28:58.0'	89:28.5'	15.1	0.8	35.5	25.3	23.7
7/24/1993	Y	1	28:58.0'	89:28.5'	16.0	0.9	35.8	24.2	24.2
7/24/1993	Y	1	28:58.0'	89:28.5'	16.6	1.0	36.0	23.8	24.5
7/24/1993	Y	1	28:58.0'	89:28.5'	17.1	1.0	35.9	23.6	24.5
7/24/1993	Y	1	28:58.0'	89:28.5'	17.6	1.3	35.9	23.7	24.4

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Transect Y

Date	Trn.	Stn.	Lat.	Long.	Depth	D.O.	Sal.	Temp.	Density
			deg:min	deg:min	(m)	(mg/L)	(ppt.)	(Cent.)	Sigma-t
7/24/1993	Y	1	28:58.0'	89:28.5'	18.1	1.6	36.0	23.1	24.7
7/24/1993	Y	1	28:58.0'	89:28.5'	19.1	1.4	36.0	22.9	24.7
7/24/1993	Y	1	28:58.0'	89:28.5'	20.0	1.3	36.1	22.6	24.9
7/24/1993	Y	1	28:58.0'	89:28.5'	22.0	1.3	36.1	22.0	25.1
7/24/1993	Y	1	28:58.0'	89:28.5'	23.0	1.3	36.2	21.9	25.2
7/24/1993	Y	1	28:58.0'	89:28.5'	23.6	1.3	36.1	21.9	25.1

Station 1 depth = 24 m

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

Tran Y July 1993.wpd