

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

**Transect K**

Date	Trn.	Stn.	Lat. deg:min	Long. deg:min	Depth (m)	D.O. (mg/L)	Sal. (ppt.)	Temp. (Cent.)	Density Sigma-t
7/29/1993	K	1	29:42.40'	93:25.00'	2.1	6.7	29.7	31.4	17.3
7/29/1993	K	1	29:42.40'	93:25.00'	3.0	6.2	29.6	30.9	17.3
7/29/1993	K	1	29:42.40'	93:25.00'	4.0	5.5	29.6	30.6	17.5
7/29/1993	K	1	29:42.40'	93:25.00'	4.5	4.9	29.6	30.5	17.5
7/29/1993	K	1	29:42.40'	93:25.00'	5.0	4.3	29.6	30.2	17.6
7/29/1993	K	1	29:42.40'	93:25.00'	5.0	4.3	29.6	30.3	17.6
<b>Station 1 Depth = 5.0 meters</b>									
7/29/1993	K	2	29:38.5'	93:25.00'	2.0	7.0	30.0	30.9	17.7
7/29/1993	K	2	29:38.5'	93:25.00'	2.0	6.9	30.0	30.9	17.7
7/29/1993	K	2	29:38.5'	93:25.00'	3.0	7.0	30.0	30.9	17.7
7/29/1993	K	2	29:38.5'	93:25.00'	4.0	7.0	30.0	31.0	17.7
7/29/1993	K	2	29:38.5'	93:25.00'	5.0	6.9	30.0	30.8	17.7
7/29/1993	K	2	29:38.5'	93:25.00'	6.0	6.3	30.0	30.7	17.8
7/29/1993	K	2	29:38.5'	93:25.00'	7.0	5.4	30.0	30.4	17.9
7/29/1993	K	2	29:38.5'	93:25.00'	8.1	4.3	30.0	30.0	18.0
7/29/1993	K	2	29:38.5'	93:25.00'	9.0	3.6	31.2	29.9	18.9
7/29/1993	K	2	29:38.5'	93:25.00'	10.0	3.5	31.2	29.9	18.9
<b>Station 2 Depth = 10.0 meters</b>									
7/29/1993	K	3	29:29.30'	93:25.00'	1.5	6.8	28.9	30.7	16.9
7/29/1993	K	3	29:29.30'	93:25.00'	2.0	6.8	29.0	30.7	17.0
7/29/1993	K	3	29:29.30'	93:25.00'	3.0	6.7	29.0	30.7	17.0
7/29/1993	K	3	29:29.30'	93:25.00'	4.0	6.7	29.0	30.7	17.0
7/29/1993	K	3	29:29.30'	93:25.00'	6.0	6.4	29.1	30.4	17.2
7/29/1993	K	3	29:29.30'	93:25.00'	7.0	5.9	29.1	30.3	17.2
7/29/1993	K	3	29:29.30'	93:25.00'	8.1	5.8	29.3	30.3	17.4
7/29/1993	K	3	29:29.30'	93:25.00'	8.8	5.3	29.4	30.3	17.4
7/29/1993	K	3	29:29.30'	93:25.00'	9.0	5.0	29.4	30.3	17.5
7/29/1993	K	3	29:29.30'	93:25.00'	10.0	4.6	29.5	30.2	17.6
7/29/1993	K	3	29:29.30'	93:25.00'	10.6	4.5	29.6	30.2	17.6
<b>Station 3 Depth = 10.6 meters</b>									
7/29/1993	K	4	29:19.50'	93:25.00'	1.5	6.7	29.9	30.4	17.8
7/29/1993	K	4	29:19.50'	93:25.00'	2.1	6.7	29.9	30.4	17.8
7/29/1993	K	4	29:19.50'	93:25.00'	3.0	6.7	29.9	30.4	17.8
7/29/1993	K	4	29:19.50'	93:25.00'	4.1	6.6	29.9	30.5	17.8
7/29/1993	K	4	29:19.50'	93:25.00'	5.0	6.5	30.0	30.5	17.8
7/29/1993	K	4	29:19.50'	93:25.00'	6.0	6.6	30.0	30.4	17.8
7/29/1993	K	4	29:19.50'	93:25.00'	7.0	6.5	30.0	30.4	17.9
7/29/1993	K	4	29:19.50'	93:25.00'	8.0	6.5	30.0	30.3	17.9
7/29/1993	K	4	29:19.50'	93:25.00'	9.0	6.5	30.1	30.3	17.9
7/29/1993	K	4	29:19.50'	93:25.00'	10.0	6.5	30.1	30.3	18.0
7/29/1993	K	4	29:19.50'	93:25.00'	11.0	6.5	30.1	30.5	17.9
7/29/1993	K	4	29:19.50'	93:25.00'	12.0	6.5	30.3	30.4	18.1

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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
7/29/1993	K	4	29:19.50'	93:25.00'	13.0	6.5	30.3	30.2	18.1
7/29/1993	K	4	29:19.50'	93:25.00'	14.0	6.4	30.4	30.2	18.2
7/29/1993	K	4	29:19.50'	93:25.00'	15.0	6.1	30.5	30.1	18.3
7/29/1993	K	4	29:19.50'	93:25.00'	15.5	5.9	30.6	30.1	18.4
7/29/1993	K	4	29:19.50'	93:25.00'	15.7	6.0	30.6	30.1	18.4
<b>Station 4 Depth = 15.7 meters</b>									
7/29/1993	K	5	29:10.00'	93:25.00'	1.4	6.4	29.2	30.7	17.1
7/29/1993	K	5	29:10.00'	93:25.00'	2.0	6.5	29.2	30.7	17.1
7/29/1993	K	5	29:10.00'	93:25.00'	3.1	6.5	29.2	30.7	17.1
7/29/1993	K	5	29:10.00'	93:25.00'	4.0	6.5	29.2	30.7	17.1
7/29/1993	K	5	29:10.00'	93:25.00'	5.0	6.5	29.2	30.7	17.2
7/29/1993	K	5	29:10.00'	93:25.00'	6.0	6.5	29.7	30.3	17.6
7/29/1993	K	5	29:10.00'	93:25.00'	7.0	6.5	29.7	30.3	17.7
7/29/1993	K	5	29:10.00'	93:25.00'	8.0	6.4	29.9	30.2	17.9
7/29/1993	K	5	29:10.00'	93:25.00'	9.0	6.3	30.5	30.1	18.4
7/29/1993	K	5	29:10.00'	93:25.00'	10.0	6.4	31.2	30.4	18.8
7/29/1993	K	5	29:10.00'	93:25.00'	11.1	6.4	31.3	30.5	18.8
7/29/1993	K	5	29:10.00'	93:25.00'	12.0	6.4	31.3	30.6	18.8
7/29/1993	K	5	29:10.00'	93:25.00'	13.0	6.4	31.3	30.5	18.8
7/29/1993	K	5	29:10.00'	93:25.00'	14.0	6.4	31.6	30.3	19.1
7/29/1993	K	5	29:10.00'	93:25.00'	15.0	6.4	32.3	29.8	19.8
7/29/1993	K	5	29:10.00'	93:25.00'	16.0	6.4	32.4	29.7	19.9
7/29/1993	K	5	29:10.00'	93:25.00'	17.0	6.4	32.5	29.7	19.9
7/29/1993	K	5	29:10.00'	93:25.00'	17.2	6.4	32.5	29.7	19.9
<b>Station 5 Depth = 17.2 meters</b>									

**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