

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

Transect A'

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	A'	1	29:08.00'	89:28.50'	0.9	6.9	7.9	28.3	2.1
7/24/1993	A'	1	29:08.00'	89:28.50'	1.2	6.9	8.0	28.3	2.1
7/24/1993	A'	1	29:08.00'	89:28.50'	2.1	6.6	8.7	28.3	2.7
7/24/1993	A'	1	29:08.00'	89:28.50'	2.4	5.6	17.7	29.1	9.1
7/24/1993	A'	1	29:08.00'	89:28.50'	2.8	5.5	18.7	29.1	9.9
7/24/1993	A'	1	29:08.00'	89:28.50'	3.0	5.6	18.9	29.1	10.0
7/24/1993	A'	1	29:08.00'	89:28.50'	4.0	5.8	20.5	29.1	11.2
7/24/1993	A'	1	29:08.00'	89:28.50'	4.6	5.4	21.6	29.1	12.0
7/24/1993	A'	1	29:08.00'	89:28.50'	4.8	5.3	22.3	29.2	12.5
7/24/1993	A'	1	29:08.00'	89:28.50'	5.0	4.8	22.4	29.2	12.6
7/24/1993	A'	1	29:08.00'	89:28.50'	5.5	4.5	23.0	29.3	13.0
7/24/1993	A'	1	29:08.00'	89:28.50'	5.6	4.2	23.8	29.4	13.6
Station 1 Depth = 5.6 meters									
7/24/1993	A'	2	29:05.50'	89:30.00'	1.3	7.2	4.8	28.0	-0.2
7/24/1993	A'	2	29:05.50'	89:30.00'	1.5	6.9	4.8	28.0	-0.2
7/24/1993	A'	2	29:05.50'	89:30.00'	1.9	6.5	6.3	28.2	0.9
7/24/1993	A'	2	29:05.50'	89:30.00'	2.1	6.0	15.8	28.9	7.8
7/24/1993	A'	2	29:05.50'	89:30.00'	3.0	6.2	19.1	28.8	10.2
7/24/1993	A'	2	29:05.50'	89:30.00'	4.0	6.0	21.5	29.0	11.9
7/24/1993	A'	2	29:05.50'	89:30.00'	4.6	5.2	23.5	29.4	13.3
7/24/1993	A'	2	29:05.50'	89:30.00'	5.0	4.8	24.2	29.4	13.9
7/24/1993	A'	2	29:05.50'	89:30.00'	5.4	4.0	25.6	29.4	14.9
7/24/1993	A'	2	29:05.50'	89:30.00'	5.8	2.7	27.4	29.3	16.3
7/24/1993	A'	2	29:05.50'	89:30.00'	6.0	2.3	28.3	29.2	17.0
7/24/1993	A'	2	29:05.50'	89:30.00'	6.4	1.9	29.0	28.9	17.6
7/24/1993	A'	2	29:05.50'	89:30.00'	6.8	1.4	29.3	28.8	17.9
7/24/1993	A'	2	29:05.50'	89:30.00'	7.0	1.3	29.4	28.7	18.0
7/24/1993	A'	2	29:05.50'	89:30.00'	7.4	1.0	30.0	28.6	18.4
7/24/1993	A'	2	29:05.50'	89:30.00'	7.8	0.8	30.9	28.3	19.2
7/24/1993	A'	2	29:05.50'	89:30.00'	8.0	0.7	31.6	27.9	19.8
7/24/1993	A'	2	29:05.50'	89:30.00'	8.6	0.5	33.6	27.3	21.6
7/24/1993	A'	2	29:05.50'	89:30.00'	9.0	0.4	33.7	27.2	21.7
7/24/1993	A'	2	29:05.50'	89:30.00'	9.1	0.2	33.7	27.1	21.7
7/24/1993	A'	2	29:05.50'	89:30.00'	9.2	0.1	33.7	27.1	21.7
7/24/1993	A'	2	29:05.50'	89:30.00'	9.3	0.1	33.7	27.1	21.7
Station 2 Depth = 9.3 meters									
7/24/1993	A'	3	29:02.00'	89:32.00'	1.3	6.6	13.2	28.5	5.9
7/24/1993	A'	3	29:02.00'	89:32.00'	2.0	6.4	16.8	28.7	8.5
7/24/1993	A'	3	29:02.00'	89:32.00'	3.0	6.2	21.5	29.0	12.0
7/24/1993	A'	3	29:02.00'	89:32.00'	4.0	6.2	21.9	29.1	12.2
7/24/1993	A'	3	29:02.00'	89:32.00'	5.0	6.0	22.6	29.2	12.8
7/24/1993	A'	3	29:02.00'	89:32.00'	5.4	5.7	23.3	29.3	13.2
7/24/1993	A'	3	29:02.00'	89:32.00'	5.8	5.3	24.1	29.3	13.8

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

Transect A'

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	A'	3	29:02.00'	89:32.00'	6.4	4.3	25.8	29.4	15.1
7/24/1993	A'	3	29:02.00'	89:32.00'	7.0	2.7	29.4	29.0	17.9
7/24/1993	A'	3	29:02.00'	89:32.00'	7.4	1.5	31.2	28.6	19.4
7/24/1993	A'	3	29:02.00'	89:32.00'	7.8	1.0	33.1	27.8	21.0
7/24/1993	A'	3	29:02.00'	89:32.00'	8.0	0.9	33.2	27.7	21.2
7/24/1993	A'	3	29:02.00'	89:32.00'	9.0	0.8	34.0	27.4	21.8
7/24/1993	A'	3	29:02.00'	89:32.00'	9.6	0.7	34.0	27.3	21.9
7/24/1993	A'	3	29:02.00'	89:32.00'	10.0	0.9	34.1	27.3	22.0
7/24/1993	A'	3	29:02.00'	89:32.00'	10.4	1.1	34.5	27.3	22.3
7/24/1993	A'	3	29:02.00'	89:32.00'	11.1	1.1	34.7	27.2	22.5
Station 3 Depth = 11.1 meters									
7/24/1993	A'	4	28:59.00'	89:34.00'	1.2	6.5	18.9	28.6	10.1
7/24/1993	A'	4	28:59.00'	89:34.00'	2.0	6.2	20.7	28.7	11.5
7/24/1993	A'	4	28:59.00'	89:34.00'	3.0	6.0	22.6	29.0	12.8
7/24/1993	A'	4	28:59.00'	89:34.00'	4.1	6.0	23.1	29.0	13.2
7/24/1993	A'	4	28:59.00'	89:34.00'	5.1	5.7	25.2	29.3	14.6
7/24/1993	A'	4	28:59.00'	89:34.00'	5.4	5.5	24.4	29.0	14.1
7/24/1993	A'	4	28:59.00'	89:34.00'	6.1	5.1	25.5	29.5	14.8
7/24/1993	A'	4	28:59.00'	89:34.00'	7.0	4.9	27.9	29.6	16.5
7/24/1993	A'	4	28:59.00'	89:34.00'	8.1	4.5	31.7	29.2	19.5
7/24/1993	A'	4	28:59.00'	89:34.00'	9.0	5.0	33.4	28.8	21.0
7/24/1993	A'	4	28:59.00'	89:34.00'	9.4	5.2	33.7	28.7	21.2
7/24/1993	A'	4	28:59.00'	89:34.00'	9.8	4.6	33.7	28.8	21.1
7/24/1993	A'	4	28:59.00'	89:34.00'	10.0	4.6	34.1	28.7	21.5
7/24/1993	A'	4	28:59.00'	89:34.00'	10.4	4.2	34.3	28.5	21.7
7/24/1993	A'	4	28:59.00'	89:34.00'	11.0	4.1	34.4	28.5	21.8
7/24/1993	A'	4	28:59.00'	89:34.00'	12.1	4.0	34.7	28.2	22.1
7/24/1993	A'	4	28:59.00'	89:34.00'	13.0	3.8	34.9	28.0	22.3
7/24/1993	A'	4	28:59.00'	89:34.00'	14.0	3.5	35.1	27.8	22.6
7/24/1993	A'	4	28:59.00'	89:34.00'	14.8	3.3	35.2	27.6	22.7
7/24/1993	A'	4	28:59.00'	89:34.00'	15.0	3.1	35.2	27.6	22.7
7/24/1993	A'	4	28:59.00'	89:34.00'	16.0	2.7	35.3	27.5	22.8
7/24/1993	A'	4	28:59.00'	89:34.00'	17.0	2.5	35.5	27.0	23.1
7/24/1993	A'	4	28:59.00'	89:34.00'	17.2	2.9	35.7	26.7	23.3
7/24/1993	A'	4	28:59.00'	89:34.00'	17.4	4.0	35.4	26.9	23.0
7/24/1993	A'	4	28:59.00'	89:34.00'	18.0	4.5	35.4	26.5	23.2
7/24/1993	A'	4	28:59.00'	89:34.00'	19.0	4.2	35.4	26.5	23.2
7/24/1993	A'	4	28:59.00'	89:34.00'	20.0	4.1	35.4	26.4	23.2
7/24/1993	A'	4	28:59.00'	89:34.00'	21.0	3.9	35.5	26.2	23.3
7/24/1993	A'	4	28:59.00'	89:34.00'	22.0	3.7	35.5	26.1	23.4
7/24/1993	A'	4	28:59.00'	89:34.00'	23.0	3.6	35.6	25.9	23.5
7/24/1993	A'	4	28:59.00'	89:34.00'	23.4	3.1	35.7	25.6	23.7
7/24/1993	A'	4	28:59.00'	89:34.00'	23.8	2.7	35.8	25.0	24.0
7/24/1993	A'	4	28:59.00'	89:34.00'	24.1	2.7	35.9	24.8	24.1

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

Transect A'

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	A'	4	28:59.00'	89:34.00'	24.8	2.1	35.7	24.9	23.9
7/24/1993	A'	4	28:59.00'	89:34.00'	25.1	2.0	35.9	24.3	24.2
7/24/1993	A'	4	28:59.00'	89:34.00'	26.0	1.7	36.4	23.4	24.9
7/24/1993	A'	4	28:59.00'	89:34.00'	27.0	1.7	36.0	22.5	24.8
7/24/1993	A'	4	28:59.00'	89:34.00'	28.1	1.7	36.2	21.9	25.2
7/24/1993	A'	4	28:59.00'	89:34.00'	28.6	2.1	36.2	21.7	25.2
7/24/1993	A'	4	28:59.00'	89:34.00'	29.0	2.1	36.2	21.6	25.3
7/24/1993	A'	4	28:59.00'	89:34.00'	30.0	2.1	36.3	21.4	25.4
7/24/1993	A'	4	28:59.00'	89:34.00'	31.0	2.0	36.3	21.1	25.5
7/24/1993	A'	4	28:59.00'	89:34.00'	31.5	1.9	36.2	21.1	25.4
7/24/1993	A'	4	28:59.00'	89:34.00'	31.9	1.8	36.2	21.0	25.4
Station 4 Depth = 31.9 meters									
7/24/1993	A'	5	28:57.00'	89:34.50'	1.2	5.8	22.1	28.8	12.5
7/24/1993	A'	5	28:57.00'	89:34.50'	2.1	5.8	22.1	28.8	12.5
7/24/1993	A'	5	28:57.00'	89:34.50'	3.0	5.8	22.2	28.9	12.5
7/24/1993	A'	5	28:57.00'	89:34.50'	4.0	5.6	23.1	28.9	13.2
7/24/1993	A'	5	28:57.00'	89:34.50'	5.0	5.4	23.4	29.1	13.4
7/24/1993	A'	5	28:57.00'	89:34.50'	6.0	5.0	27.5	29.3	16.4
7/24/1993	A'	5	28:57.00'	89:34.50'	7.0	5.0	30.0	29.4	18.2
7/24/1993	A'	5	28:57.00'	89:34.50'	8.0	4.9	31.7	29.2	19.6
7/24/1993	A'	5	28:57.00'	89:34.50'	9.1	5.2	33.5	29.0	21.0
7/24/1993	A'	5	28:57.00'	89:34.50'	10.1	5.5	34.1	28.8	21.5
7/24/1993	A'	5	28:57.00'	89:34.50'	11.0	5.5	34.5	28.1	22.0
7/24/1993	A'	5	28:57.00'	89:34.50'	12.0	4.6	34.9	28.0	22.3
7/24/1993	A'	5	28:57.00'	89:34.50'	13.1	4.5	35.0	27.9	22.4
7/24/1993	A'	5	28:57.00'	89:34.50'	14.0	4.1	35.0	27.9	22.5
7/24/1993	A'	5	28:57.00'	89:34.50'	15.0	3.9	35.2	27.8	22.6
7/24/1993	A'	5	28:57.00'	89:34.50'	16.2	4.2	35.2	27.6	22.7
7/24/1993	A'	5	28:57.00'	89:34.50'	17.0	4.3	35.2	27.3	22.8
7/24/1993	A'	5	28:57.00'	89:34.50'	18.1	4.9	35.4	26.3	23.2
7/24/1993	A'	5	28:57.00'	89:34.50'	19.0	4.8	35.6	25.9	23.5
7/24/1993	A'	5	28:57.00'	89:34.50'	20.0	4.9	35.7	25.0	23.9
7/24/1993	A'	5	28:57.00'	89:34.50'	20.6	5.6	35.8	24.7	24.0
7/24/1993	A'	5	28:57.00'	89:34.50'	21.0	5.9	35.9	24.4	24.2
7/24/1993	A'	5	28:57.00'	89:34.50'	22.1	5.9	36.0	24.0	24.4
7/24/1993	A'	5	28:57.00'	89:34.50'	23.0	5.8	36.0	23.8	24.4
7/24/1993	A'	5	28:57.00'	89:34.50'	24.0	5.5	36.0	23.7	24.5
7/24/1993	A'	5	28:57.00'	89:34.50'	25.0	5.4	35.9	23.7	24.5
7/24/1993	A'	5	28:57.00'	89:34.50'	25.4	5.1	36.0	23.7	24.5
7/24/1993	A'	5	28:57.00'	89:34.50'	25.8	4.9	35.9	23.7	24.5
7/24/1993	A'	5	28:57.00'	89:34.50'	26.0	4.9	35.9	23.6	24.5
7/24/1993	A'	5	28:57.00'	89:34.50'	26.6	4.7	35.9	23.6	24.5
7/24/1993	A'	5	28:57.00'	89:34.50'	27.0	4.4	36.0	23.6	24.5
7/24/1993	A'	5	28:57.00'	89:34.50'	27.2	4.4	36.0	23.5	24.5

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

Transect A'

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	A'	5	28:57.00'	89:34.50'	27.6	4.1	36.0	23.5	24.5
7/24/1993	A'	5	28:57.00'	89:34.50'	28.0	3.7	36.0	23.4	24.6
7/24/1993	A'	5	28:57.00'	89:34.50'	28.5	3.1	36.0	23.3	24.6
7/24/1993	A'	5	28:57.00'	89:34.50'	29.0	2.8	36.1	23.2	24.7
7/24/1993	A'	5	28:57.00'	89:34.50'	29.4	2.0	36.0	22.9	24.7
7/24/1993	A'	5	28:57.00'	89:34.50'	30.0	1.9	36.2	22.3	25.1
7/24/1993	A'	5	28:57.00'	89:34.50'	31.0	1.8	36.2	21.8	25.2
7/24/1993	A'	5	28:57.00'	89:34.50'	31.5	1.8	36.2	21.7	25.2
7/24/1993	A'	5	28:57.00'	89:34.50'	31.8	2.9	36.2	21.9	25.1
7/24/1993	A'	5	28:57.00'	89:34.50'	32.0	3.1	36.1	21.7	25.2
7/24/1993	A'	5	28:57.00'	89:34.50'	32.3	3.1	36.2	21.6	25.2
7/24/1993	A'	5	28:57.00'	89:34.50'	32.4	3.1	36.2	21.6	25.2
7/24/1993	A'	5	28:57.00'	89:34.50'	33.1	3.2	36.2	21.5	25.3
7/24/1993	A'	5	28:57.00'	89:34.50'	34.1	2.8	36.2	21.4	25.3
7/24/1993	A'	5	28:57.00'	89:34.50'	34.6	3.1	36.2	21.5	25.3
7/24/1993	A'	5	28:57.00'	89:34.50'	35.1	3.5	36.2	21.3	25.3
7/24/1993	A'	5	28:57.00'	89:34.50'	35.6	4.2	36.2	21.3	25.3
7/24/1993	A'	5	28:57.00'	89:34.50'	36.1	4.9	36.2	21.0	25.4
7/24/1993	A'	5	28:57.00'	89:34.50'	36.5	5.0	36.2	20.9	25.5
7/24/1993	A'	5	28:57.00'	89:34.50'	37.0	5.3	36.2	20.9	25.4
7/24/1993	A'	5	28:57.00'	89:34.50'	38.0	5.3	36.3	20.7	25.6
7/24/1993	A'	5	28:57.00'	89:34.50'	39.0	4.7	36.3	20.6	25.6
7/24/1993	A'	5	28:57.00'	89:34.50'	40.0	4.2	36.3	20.5	25.6
7/24/1993	A'	5	28:57.00'	89:34.50'	41.0	4.0	36.3	20.5	25.6
7/24/1993	A'	5	28:57.00'	89:34.50'	42.1	3.9	36.3	20.4	25.6
7/24/1993	A'	5	28:57.00'	89:34.50'	43.0	3.8	36.3	20.4	25.6
7/24/1993	A'	5	28:57.00'	89:34.50'	44.0	3.6	36.3	20.4	25.6
7/24/1993	A'	5	28:57.00'	89:34.50'	45.0	3.5	36.3	20.1	25.8
7/24/1993	A'	5	28:57.00'	89:34.50'	46.1	3.2	36.3	19.9	25.8
7/24/1993	A'	5	28:57.00'	89:34.50'	47.0	2.8	36.2	19.7	25.8
7/24/1993	A'	5	28:57.00'	89:34.50'	48.1	2.7	36.4	19.4	26.0
7/24/1993	A'	5	28:57.00'	89:34.50'	49.0	2.6	36.3	19.4	25.9
7/24/1993	A'	5	28:57.00'	89:34.50'	50.0	2.8	36.3	19.4	26.0
7/24/1993	A'	5	28:57.00'	89:34.50'	51.0	2.9	36.4	19.2	26.0
7/24/1993	A'	5	28:57.00'	89:34.50'	51.6	2.9	36.4	19.2	26.0
Station 5 Depth = 51.6 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.)

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

Transect A'

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

Tran A' July 1993.wpd