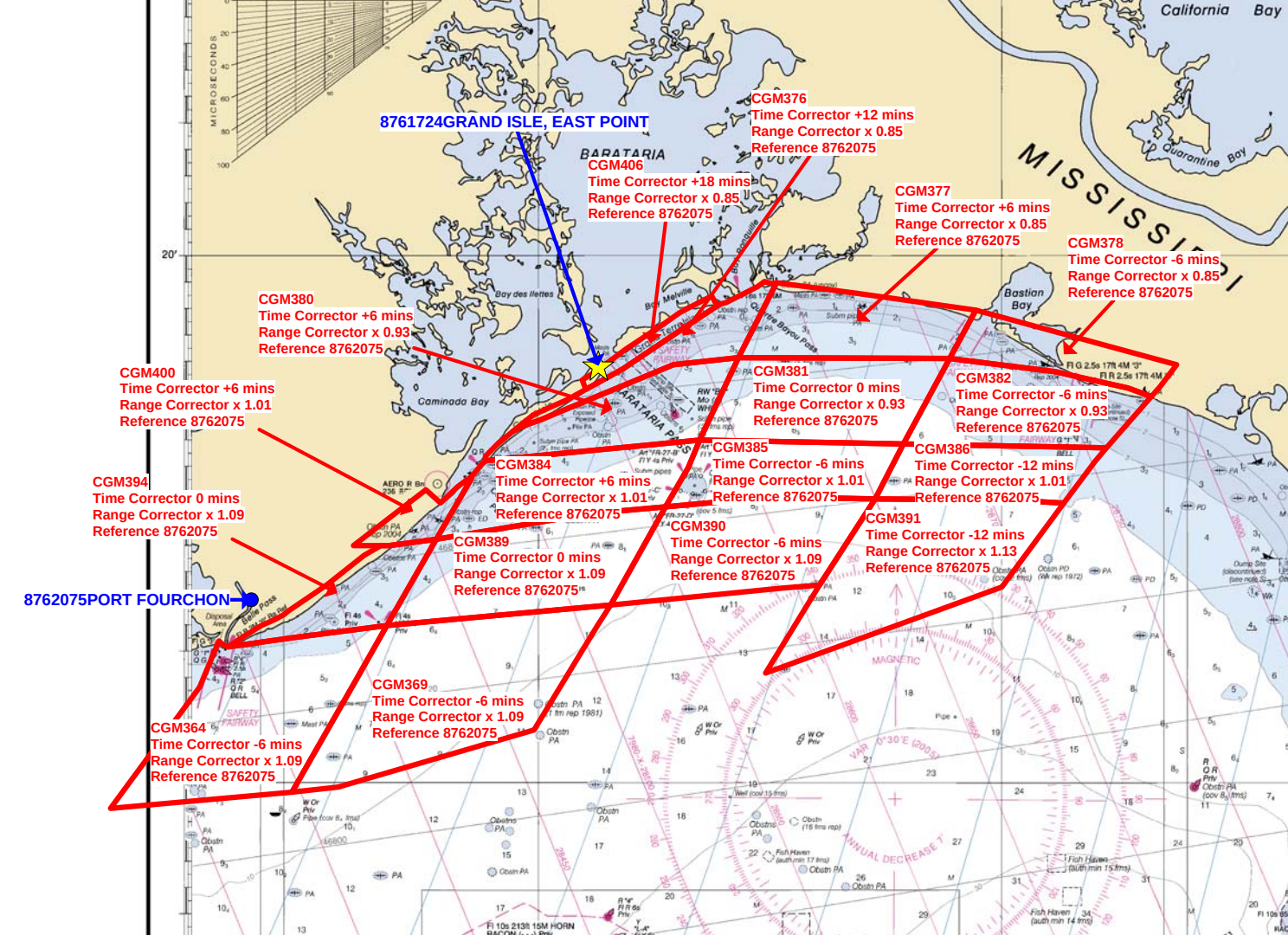
8761724GRAND ISLE, EAST POINT
8762075PORT FOURCHON
CGM376
Time Corrector +12 mins
Range Corrector x 0.85
Reference 8762075
CGM406
Time Corrector +18 mins
Range Corrector x 0.85
Reference 8762075
CGM377
Time Corrector +6 mins
Range Corrector x 0.85
Reference 8762075
CGM378
Time Corrector -6 mins
Range Corrector x 0.85
Reference 8762075
CGM380
Time Corrector +6 mins
Range Corrector x 0.93
Reference 8762075
CGM400
Time Corrector +6 mins
Range Corrector x 1.01
Reference 8762075
CGM381
Time Corrector 0 mins
Range Corrector x 0.93
Reference 8762075
CGM382
Time Corrector -6 mins
Range Corrector x 0.93
Reference 8762075
CGM384
Time Corrector +6 mins
Range Corrector x 1.01
Reference 8762075
CGM385
Time Corrector -6 mins
Range Corrector x 1.01
Reference 8762075
CGM386
Time Corrector -12 mins
Range Corrector x 1.01
Reference 8762075
CGM394
Time Corrector 0 mins
Range Corrector x 1.09
Reference 8762075
CGM389
Time Corrector 0 mins
Range Corrector x 1.09
Reference 8762075
CGM390
Time Corrector -6 mins
Range Corrector x 1.09
Reference 8762075
CGM391
Time Corrector -12 mins
Range Corrector x 1.13
Reference 8762075
CGM369
Time Corrector -6 mins
Range Corrector x 1.09
Reference 8762075
CGM364
Time Corrector -6 mins
Range Corrector x 1.09
Reference 8762075
BARATARIA
BARATARIA PASS
Caminada Bay
Bay des Ilettes
Bay Melville
Bay Jacquelin
Bayou Probe
Bastion Bay
Quarantine Bay
California Bay
MISSISSIPPI
MICROSECONDS
20'
MAGNETIC
VAR 0°30'E (2005)
ANNUAL DECREASE 1'

The vertical control datum for this survey was mean lower low water (MLLW).

All sounding data were initially reduced to MLLW using observed tidal data from the tidal station located on Grand Isle, LA. During times of outage the nearby station at Port Fourchon, LA, was used. Both stations were owned and operated by the NOAA's National Ocean Service through the National Water Level Observation Program.

Table 4 - Tide Gauges

Gauge	Model	Gauge Type	Location	Latitude	Longitude	Operational
8761724	AquaTrak	Acoustic	Grand Isle, LA	29-15.8 N	89-57.4 W	N/A
8762075	AquaTrak	Acoustic	Port Fourchon, LA	29-06.8 N	90-11.9 W	N/A

Table 5 - Final Tide Zones

Zone	Gauge	Primary or Secondary	Time Offset	Range Ratio
CGM364	8761724	PRIM	-36	1.27
CGM369	8761724	PRIM	-42	1.27
CGM376	8761724	PRIM	-18	0.99
CGM377	8761724	PRIM	-30	0.99
CGM378	8761724	PRIM	-36	0.99
CGM380	8761724	PRIM	-24	1.08
CGM381	8761724	PRIM	-30	1.08
CGM382	8761724	PRIM	-42	1.08
CGM384	8761724	PRIM	-30	1.18
CGM385	8761724	PRIM	-36	1.18
CGM386	8761724	PRIM	-42	1.18
CGM389	8761724	PRIM	-36	1.27
CGM390	8761724	PRIM	-36	1.27
CGM391	8761724	PRIM	-42	1.32
CGM394	8761724	PRIM	-30	1.27
CGM400	8761724	PRIM	-24	1.18
CGM406	8761724	PRIM	-12	0.99
CGM364	8762075	SEC	-6	1.09
CGM369	8762075	SEC	-6	1.09
CGM376	8762075	SEC	12	0.85
CGM377	8762075	SEC	6	0.85

Zone	Gauge	Primary or Secondary	Time Offset	Range Ratio
CGM378	8762075	SEC	-6	0.85
CGM380	8762075	SEC	6	0.93
CGM381	8762075	SEC	0	0.93
CGM382	8762075	SEC	-6	0.93
CGM384	8762075	SEC	6	1.01
CGM385	8762075	SEC	-6	1.01
CGM386	8762075	SEC	-12	1.01
CGM389	8762075	SEC	0	1.09
CGM390	8762075	SEC	-6	1.09
CGM391	8762075	SEC	-12	1.13
CGM394	8762075	SEC	0	1.09
CGM400	8762075	SEC	6	1.01
CGM406	8762075	SEC	18	0.85

Observed tidal data was assembled from the National Water Level Observation Program accessed through the NOAA tides and currents website (http://www.tidesandcurrents.noaa.gov/). A cumulative file for the gauge in use was updated daily by appending the new data as it became available.

On April 12, 2009, verified tide data was acquired from the National Water Level Observation Program accessed through the NOAA tides and currents website. The verified data was smoothed and applied to all sounding data in CARIS HIPS using tidal zones provided by NOAA. All sounding data was then remerged. The Grand Isle, LA (8761724) was used as the primary tidal station while Port Fourchon (8762075) was used as the secondary tidal station. Verified tidal data were used for all final Navigation Base Surfaces, soundings, and S-57 Feature files.

Refer to the Vertical and Horizontal Control Report* for additional tidal information, station descriptions and unusual conditions encountered throughout the project. ***Filed with original field records.***