

ERATHM	SYSTEM	SERIES	AGE m.y.	STP	Approximate Thickness Undifferentiated (feet)	Approximate elevation of formation top (feet)	Hydrostratigraphy	
CENOZOIC	QUATERNARY	Holocene	0.10	Undifferentiated Deweyville Terrace Deposits	0-50		Coastal Lowlands Aquifer System Coastal Uplands Aquifer System Midway Confining System	
		Pleistocene		2	Beaumont Fm Lissie Fm Willis Formation	400 600-700		0± -400
		TERTIARY	Pliocene	5	Alluvium & Terrace Deposits	Goliad sand		800 to 1,000
	Miocene		24			Fleming Formation Oakville Sandstone		3,400 to 4,500
	Oligocene		38	Catahoula Tuff	Catahoula Sand Anahuac Formation Frio Formation	3,000		-5,200 to -6,600
					Frio Clay (Vicksburg Group)	200		-8,200 to -9,600
	Eocene		58	Jackson Group	Whitsett			
					Manning clay	500 to 1,100		-8,400 to -9,800
					Welborn			
				Claiborne Group	Caddell Yegua			
					Cook Mountain Sparta Sand Weches Fm Queen City Snd Reklaw Fm	1,400 to 4,500		-8,900 to -10,900
	Wilcox Group			Undifferentiated	2,000	-10,300 to -15,400		
	Paleocene		66	Midway Grp	Wills Point Kincaid Fm	2,500		-12,300 to -17,400

(Reference 2.5S.1-25)

Figure 2.5S.1-13 General Cenozoic Stratigraphic Column

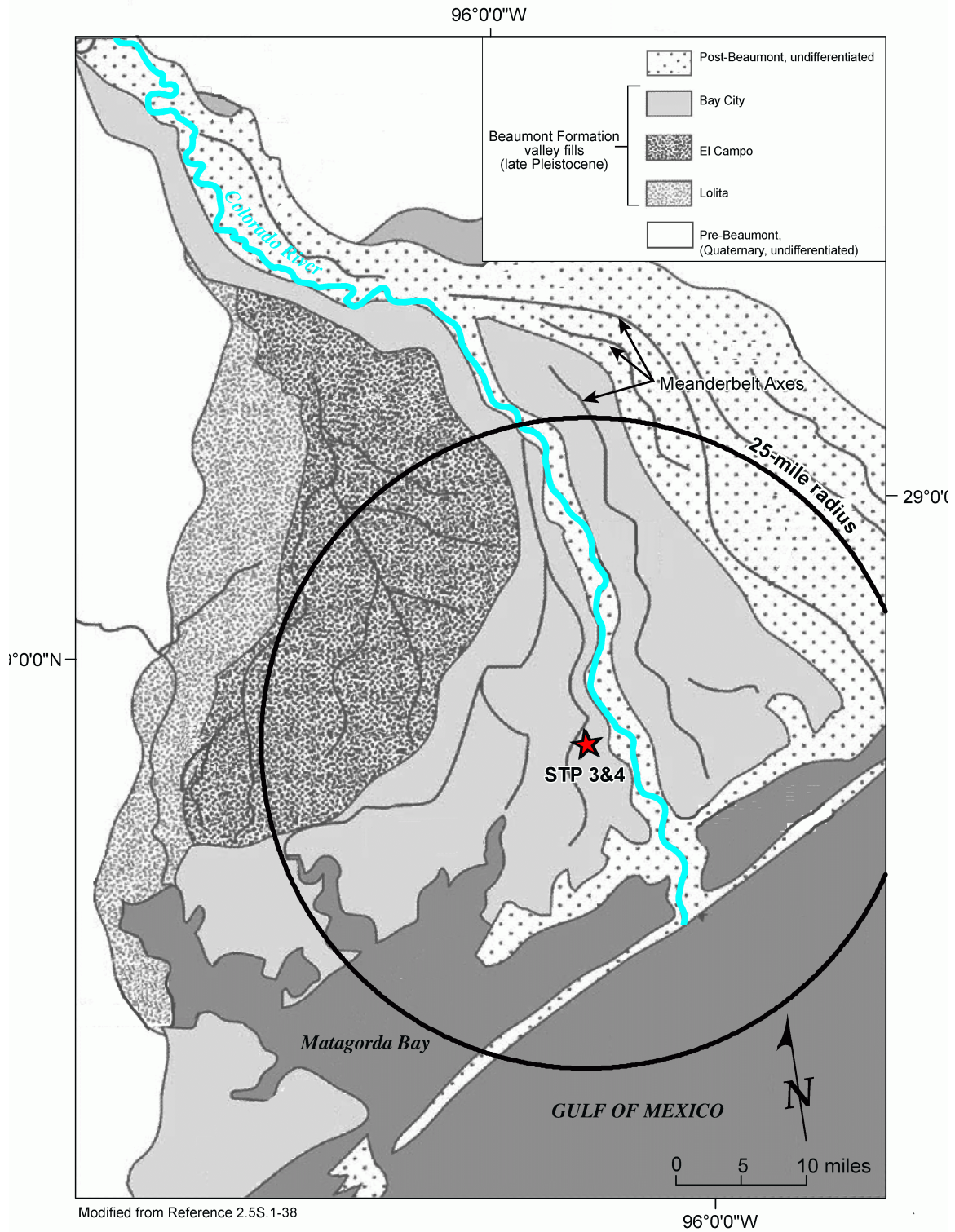
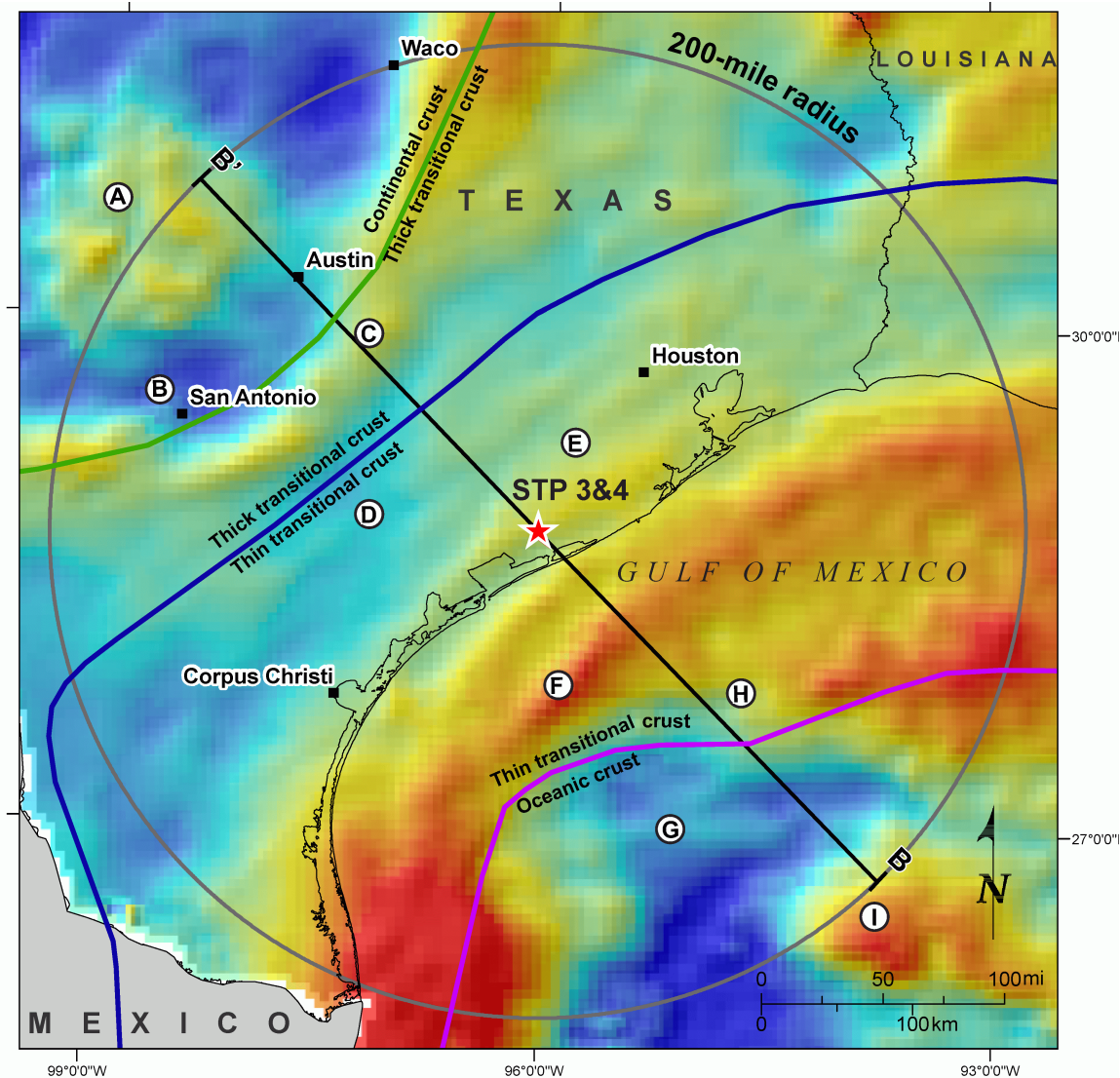


Figure 2.5S.1-14 Fluvial Deposits of the Colorado River



References 2.5S.1-43, 2.5S.1-44, and 2.5S.1-45

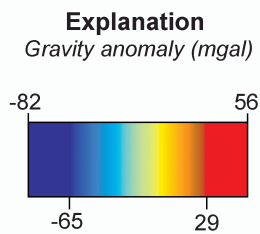


Figure 2.5S.1-15 Gravity Anomaly Features in Site Region (200-mile radius)

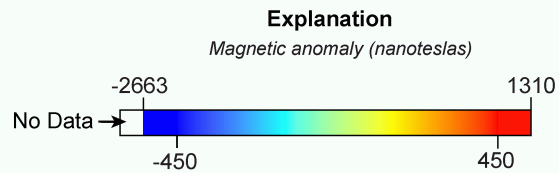
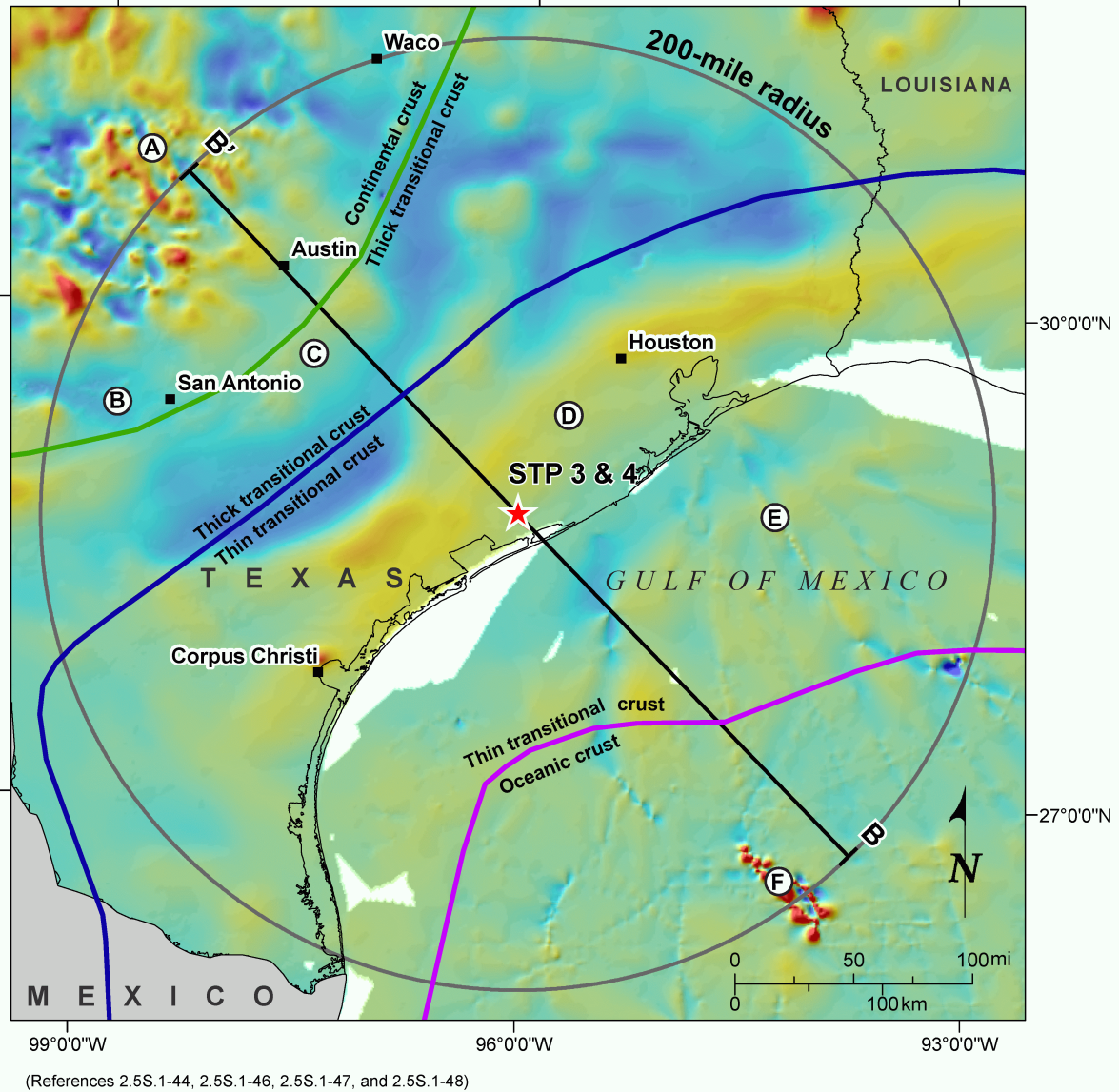
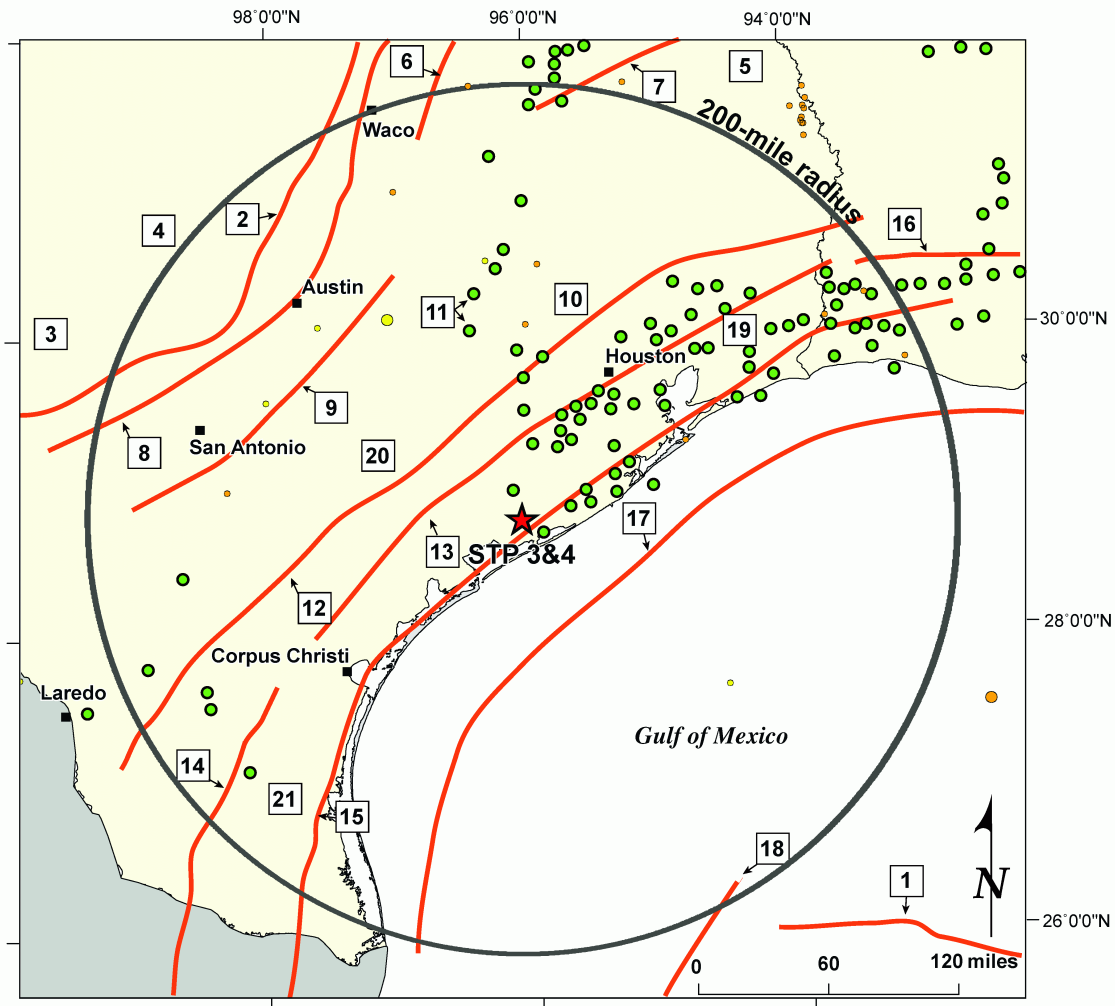


Figure 2.5S.1-16 Magnetic Anomaly Features in Site Region (200-mile radius)



Tectonic Features (Reference 2.5S.1-27)		Earthquake Epicenters (by estimated body wave magnitude Emb)	
1 Sigsbee Escarpment	10 Houston Embayment	19 Sabine Arch	
2 Ouachita Orogenic Front	11 Salt Diapirs (●)	20 San Marcos Arch	
3 Kerr Basin	12 Wilcox Fault Zone	21 Rio Arch	
4 Llano Uplift	13 Yegua Fault Zone		
5 Sabine Uplift	14 Vicksburg Fault Zone		
6 Mexia Fault System	15 Frio Fault Zone		
7 Mt. Enterprise-Elkhart Graben Fault Zone	16 Tepetate Fault Zone		
8 Balcones Fault Zone	17 Corsair Fault Zone		
9 Luling Fault Zone	18 Perdido Fold Belt		

EPRI 1986 Seismicity Catalog (1627-1985)	Updated Seismicity Catalog (1847-2006)
● 3.00 - 3.99	● 3.00 - 3.99
● 4.00 - 4.99	● 4.00 - 4.99

Figure 2.5S.1-17 Tectonic Features in Site Region (200-mile radius)

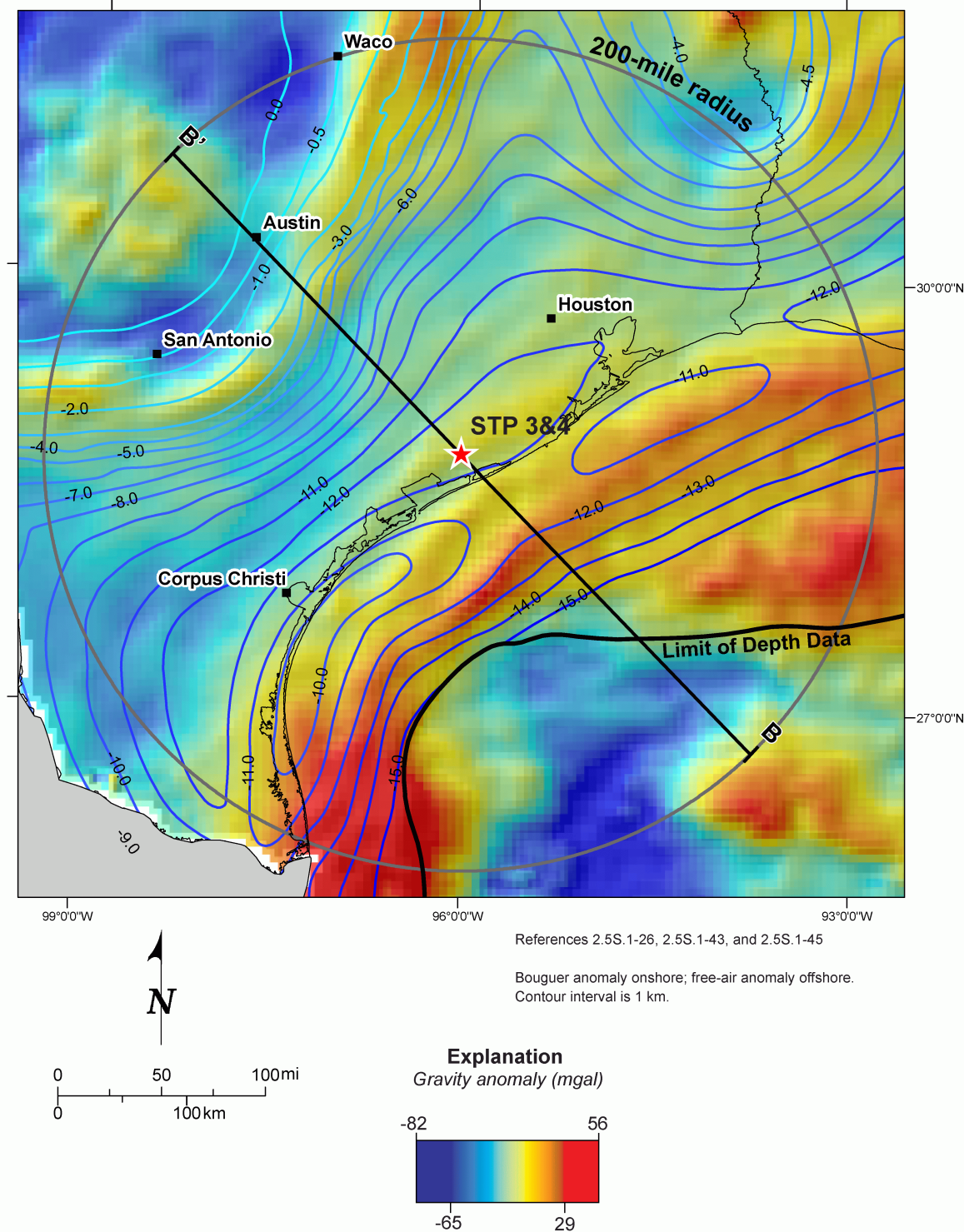


Figure 2.5S.1-18 Gravity Anomaly and Depth to Base of Mesozoic Sediments

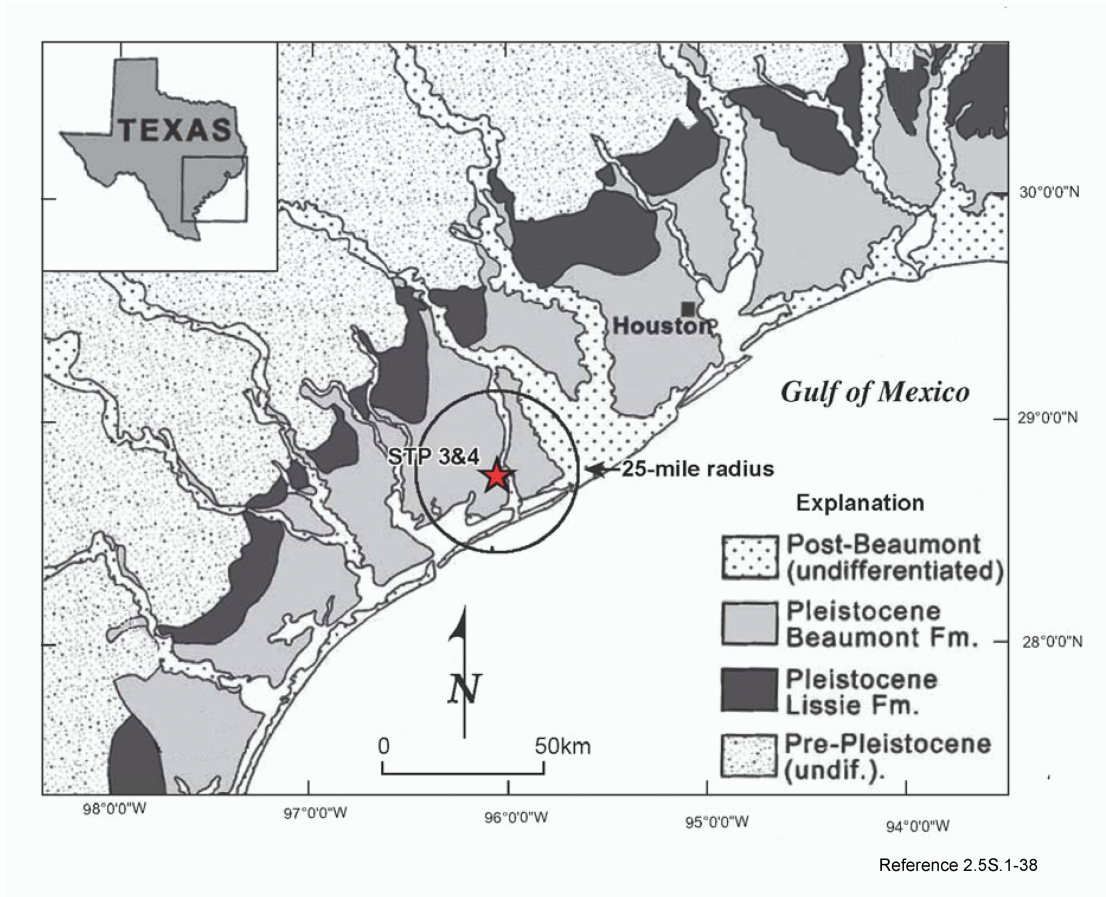
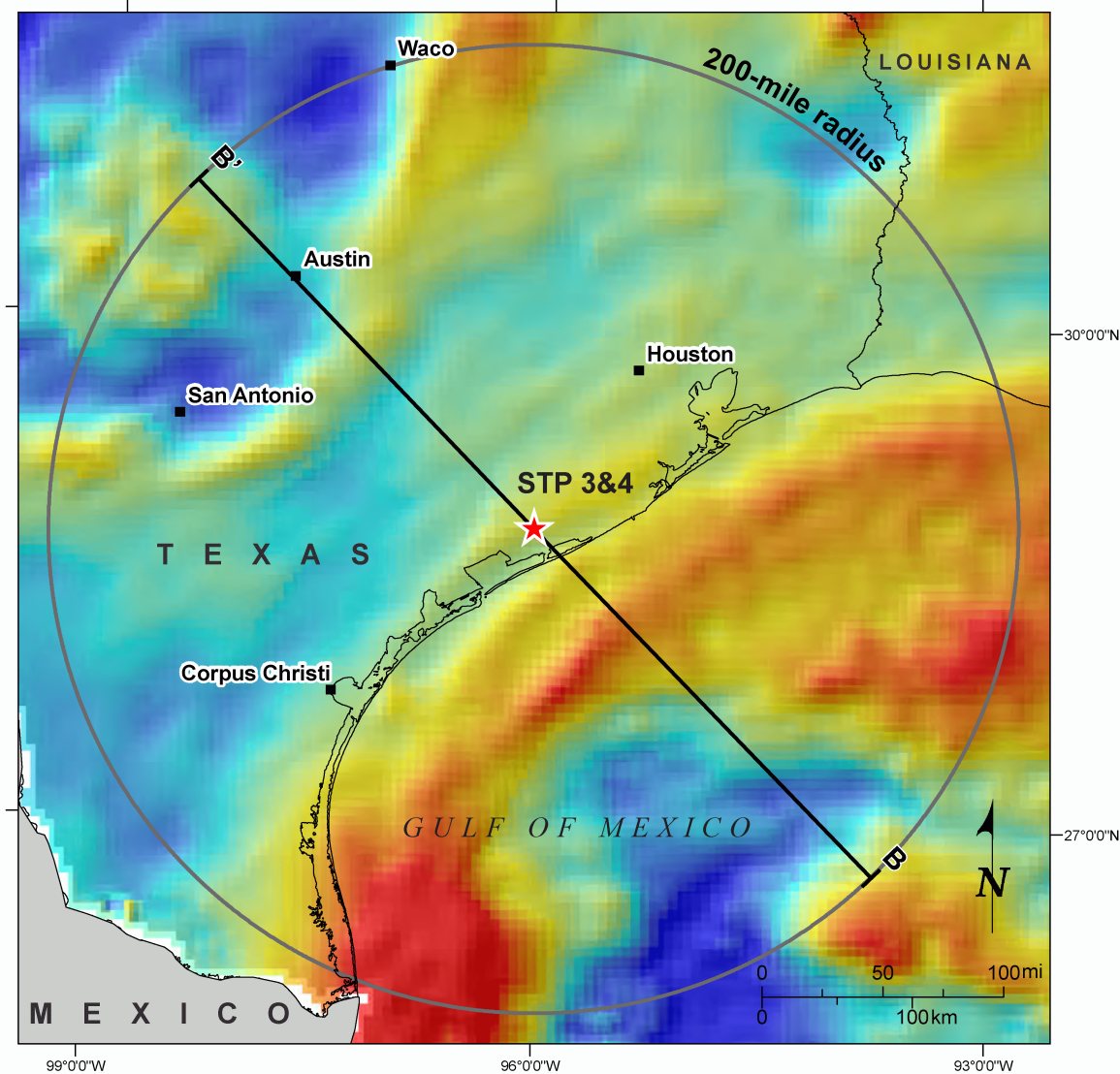


Figure 2.5S.1-19 Quaternary Deposits of the Gulf Coastal Plain



References 2.5S.1-43 and 2.5S.1-45
Bouguer anomaly onshore; free-air anomaly offshore.

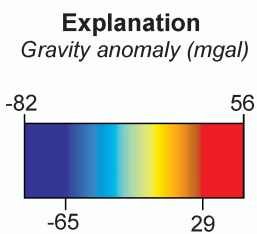
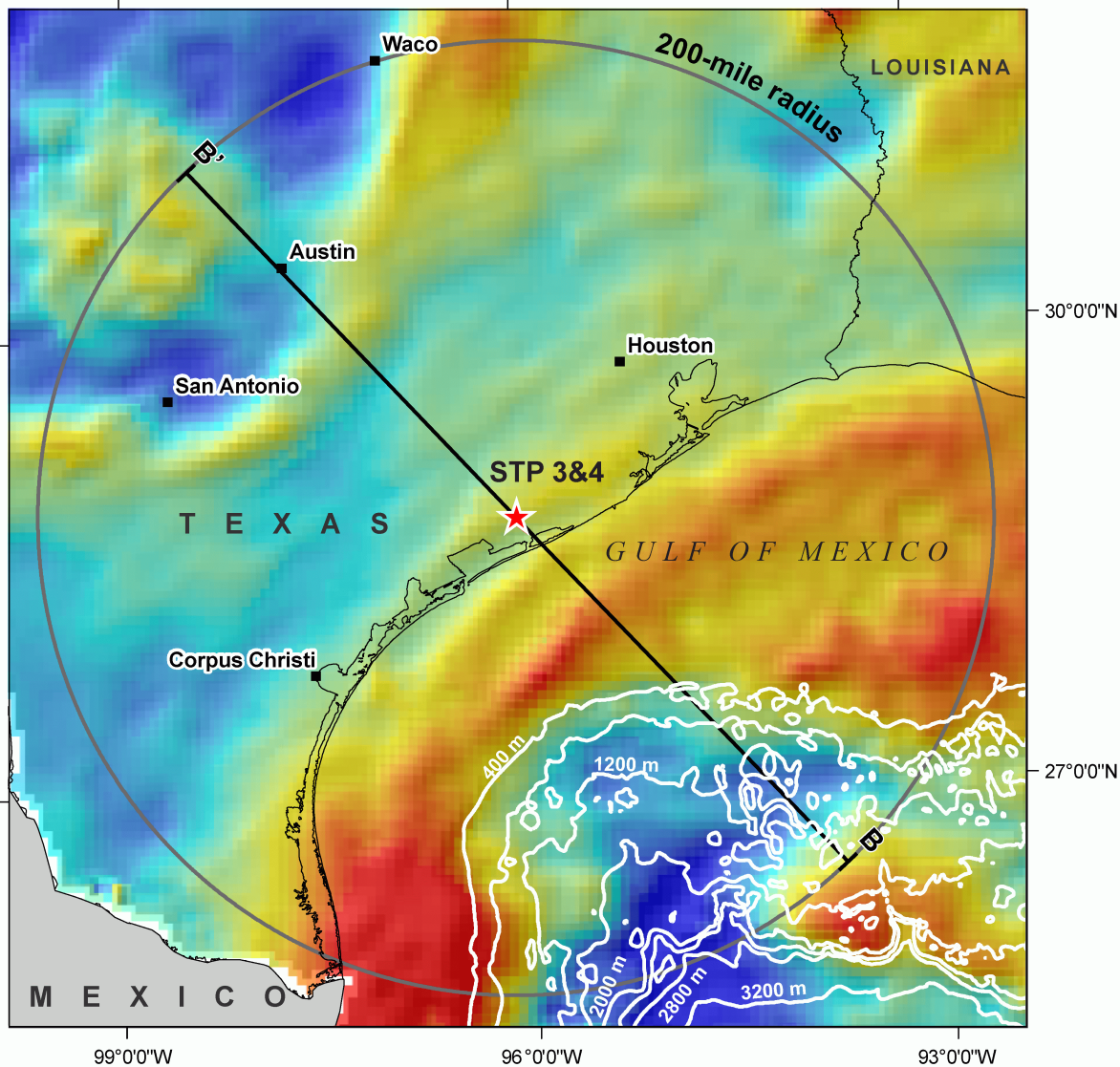


Figure 2.5S.1-20 Regional Gravity Anomaly Map



References 2.5S.1-43, 2.5S.1-45, and 2.5S.1-89

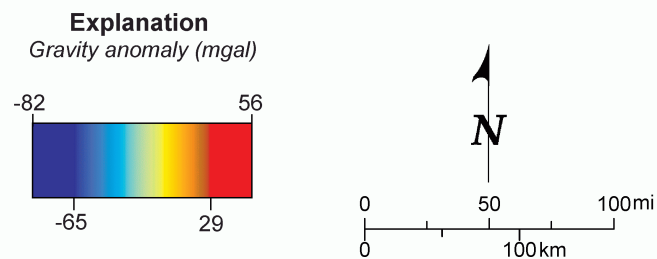


Figure 2.5S.1-21 Gravity Anomaly and Bathymetry

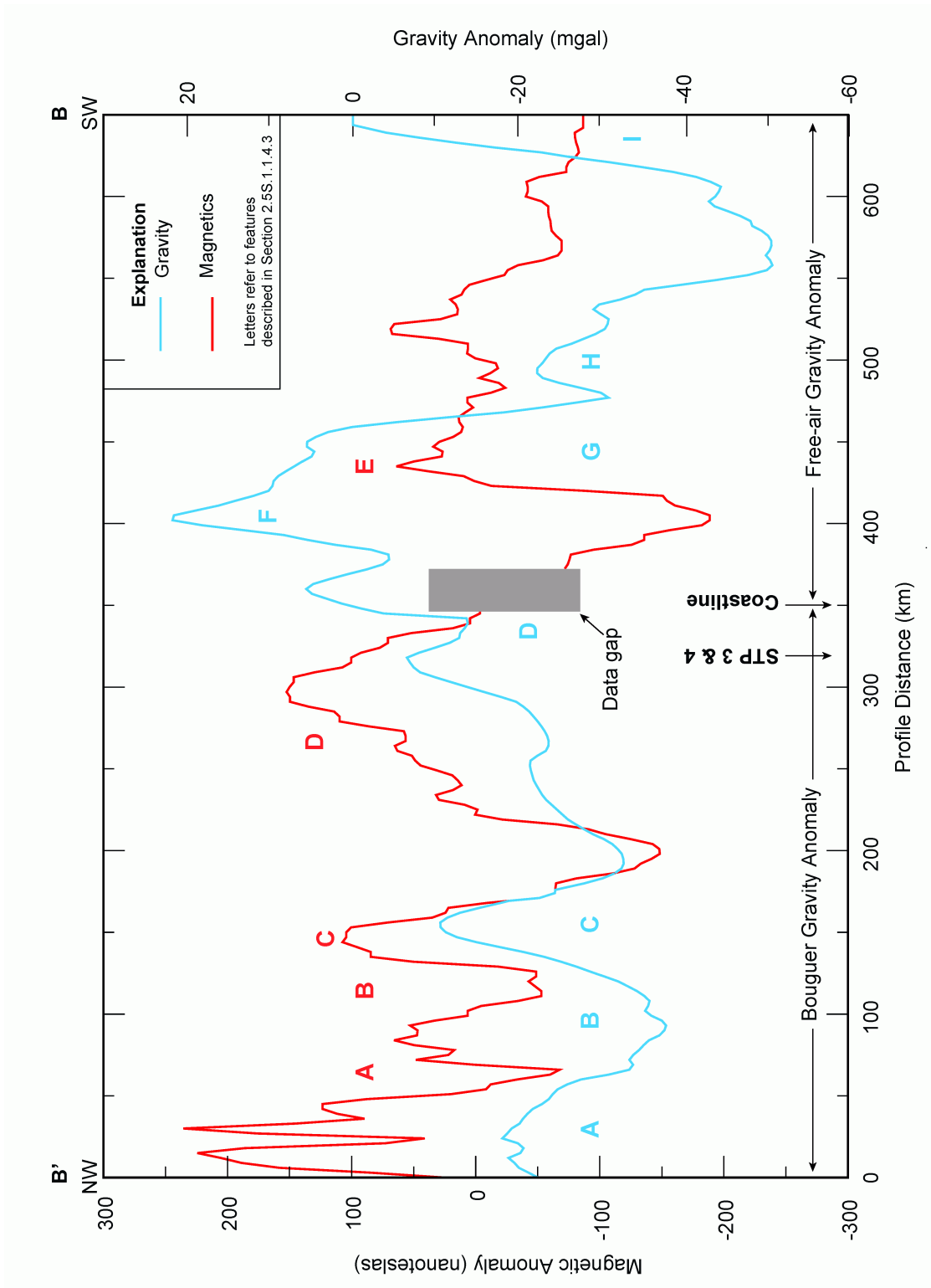


Figure 2.5S.1-22 Gravity and Magnetic Profiles, B-B'

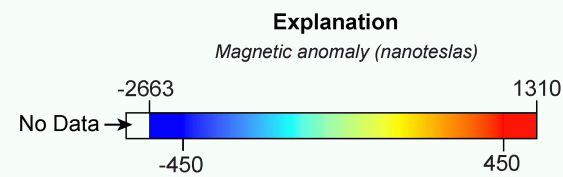
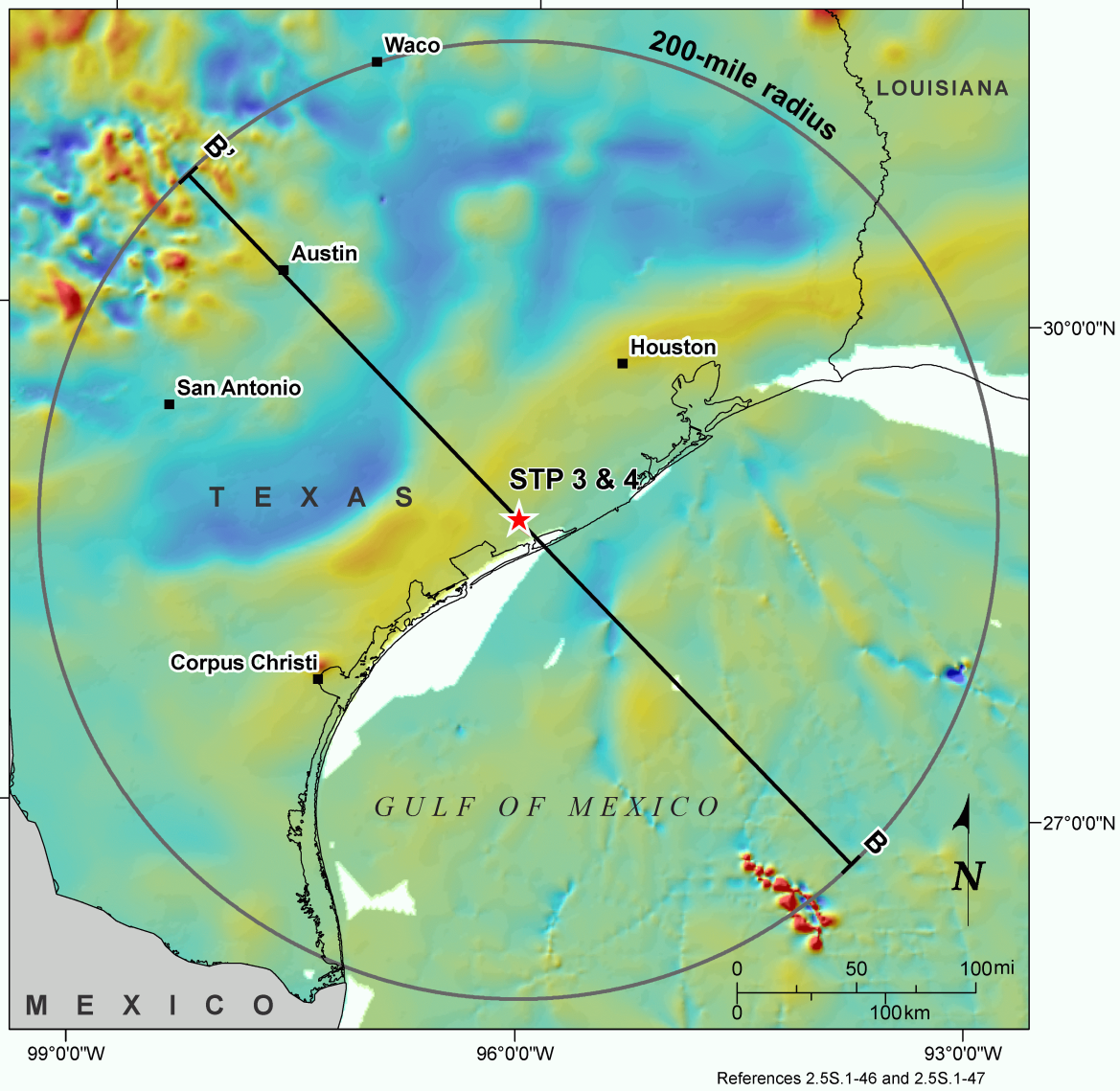


Figure 2.5S.1-23 Regional Magnetic Anomaly Map



Explanation

- Mt. Enterprise - Elkhart graben from Reference 2.5S.1-121
 - Generalized zone of growth faults (Class B features, Reference 2.5S.1-49) in the Coastal Plain of south Texas
- | Earthquake Epicenters
(by estimated body wave magnitude Emb) | |
|---|---|
| <i>EPRI 1986 Seismicity Catalog
(1627-1985)</i> | <i>Updated Seismicity Catalog
(1847-2006)</i> |
| • 3.00 - 3.99 | • 3.00 - 3.99 |
| • 4.00 - 4.99 | • 4.00 - 4.99 |

Figure 2.5S.1-24 Potential Quaternary Features in Site Region (200-mile radius)