SECTION 14

[Revised: 30 September 1988]

LOCAL GEODETIC SYSTEM-TO-WGS 84 DATUM SHIFTS

- ΔX, ΔY, ΔZ CONTOUR CHARTS FOR AN ADDITIONAL 29 OF THE 83 LOCAL GEODETIC SYSTEMS* -

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* CONTOUR CHARTS NOT INCLUDED FOR EUROPEAN DATUM 1979 (SINCE IT DOES NOT REPLACE ED 50), OR FOR THOSE LOCAL GEODETIC SYSTEMS WHERE THE USE OF DATUM SHIFT CONTOUR CHARTS WOULD HAVE LITTLE OR NO PRACTICAL VALUE (MOST ISLAND DATUMS AND/OR DATUMS WITH ONLY A VERY SMALL NUMBER OF DOPPLER DATUM TRANSFORMATION STATIONS, AND/OR DATUMS REPRESENTING SMALL GEOGRAPHICAL AREAS). FOR ΔX, ΔY, ΔZ VALUES FOR SUCH LOCAL GEODETIC SYSTEMS, SEE TABLE 10.1. THE FOOTNOTE TO PAGE 13-1 ALSO APPLIES HERE.

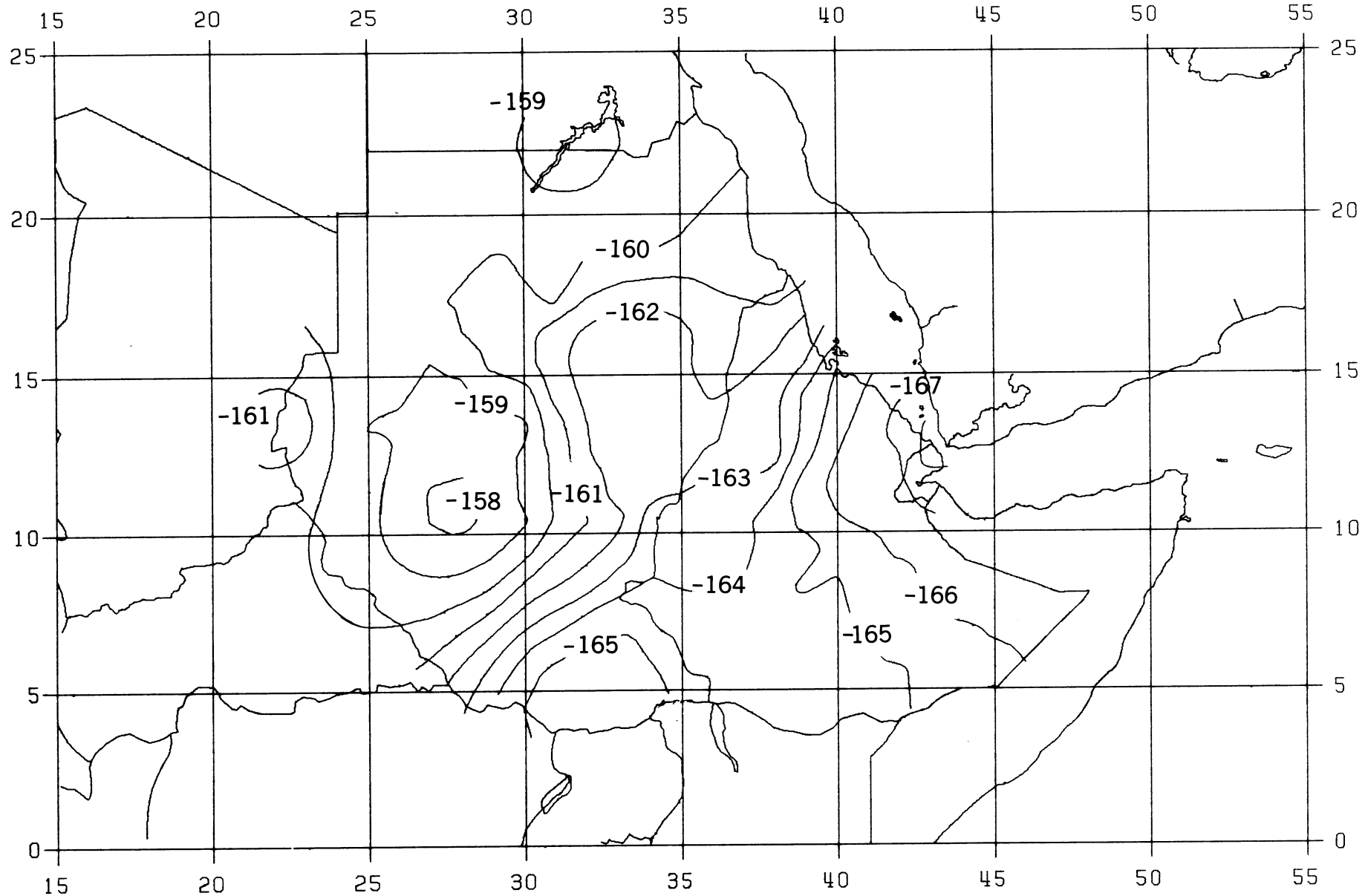

Figure 14.1. Contour Chart - Adindan Datum to WGS 84 Datum Shifts, △X Component (Contour Interval = 1 Meter)

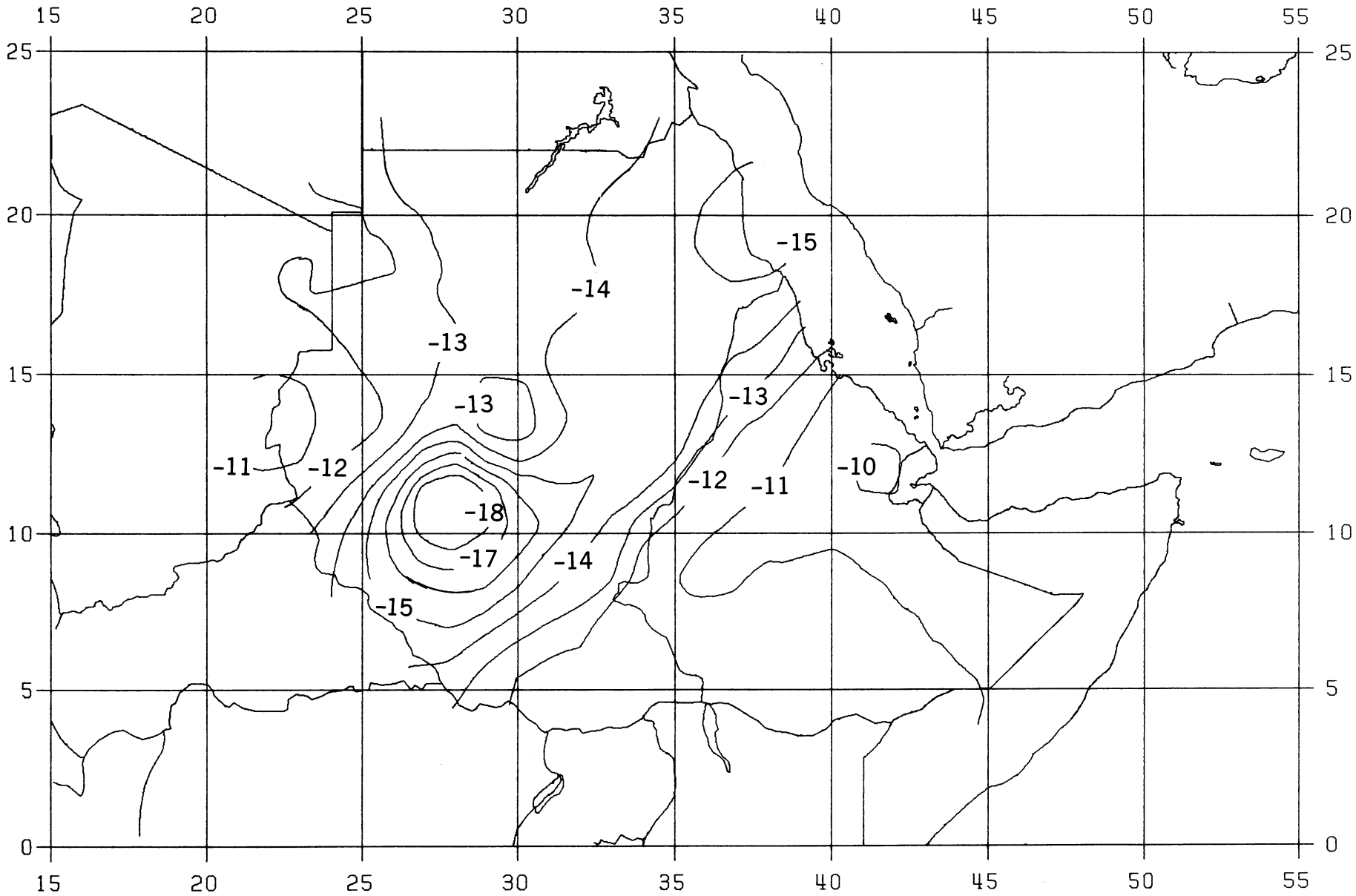

Figure 14.2. Contour Chart – Adindan Datum to WGS 84 Datum Shifts, △Y Component (Contour Interval = 1 Meter)

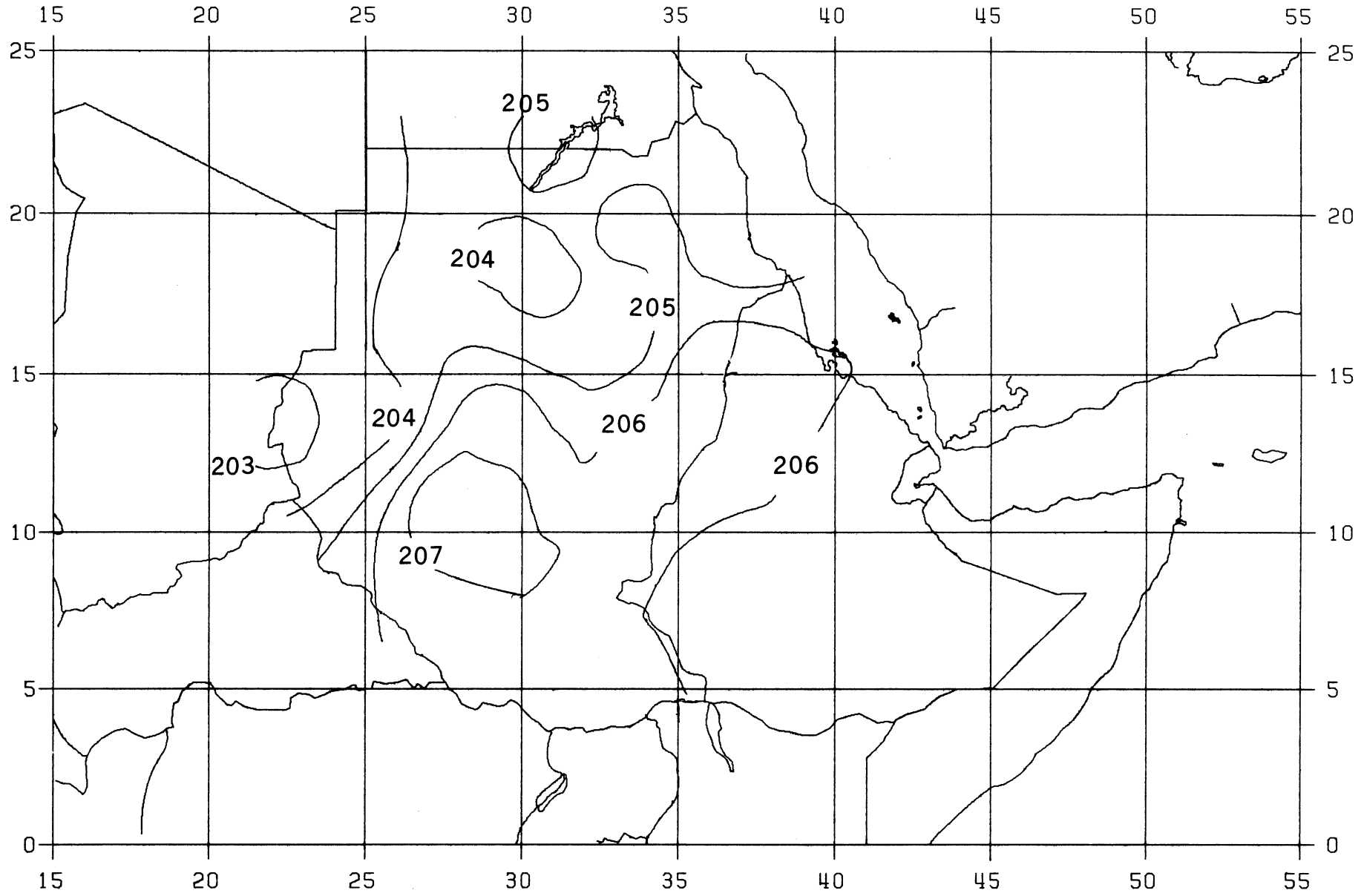

Figure 14.3. Contour Chart – Adindan Datum to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 1 Meter)

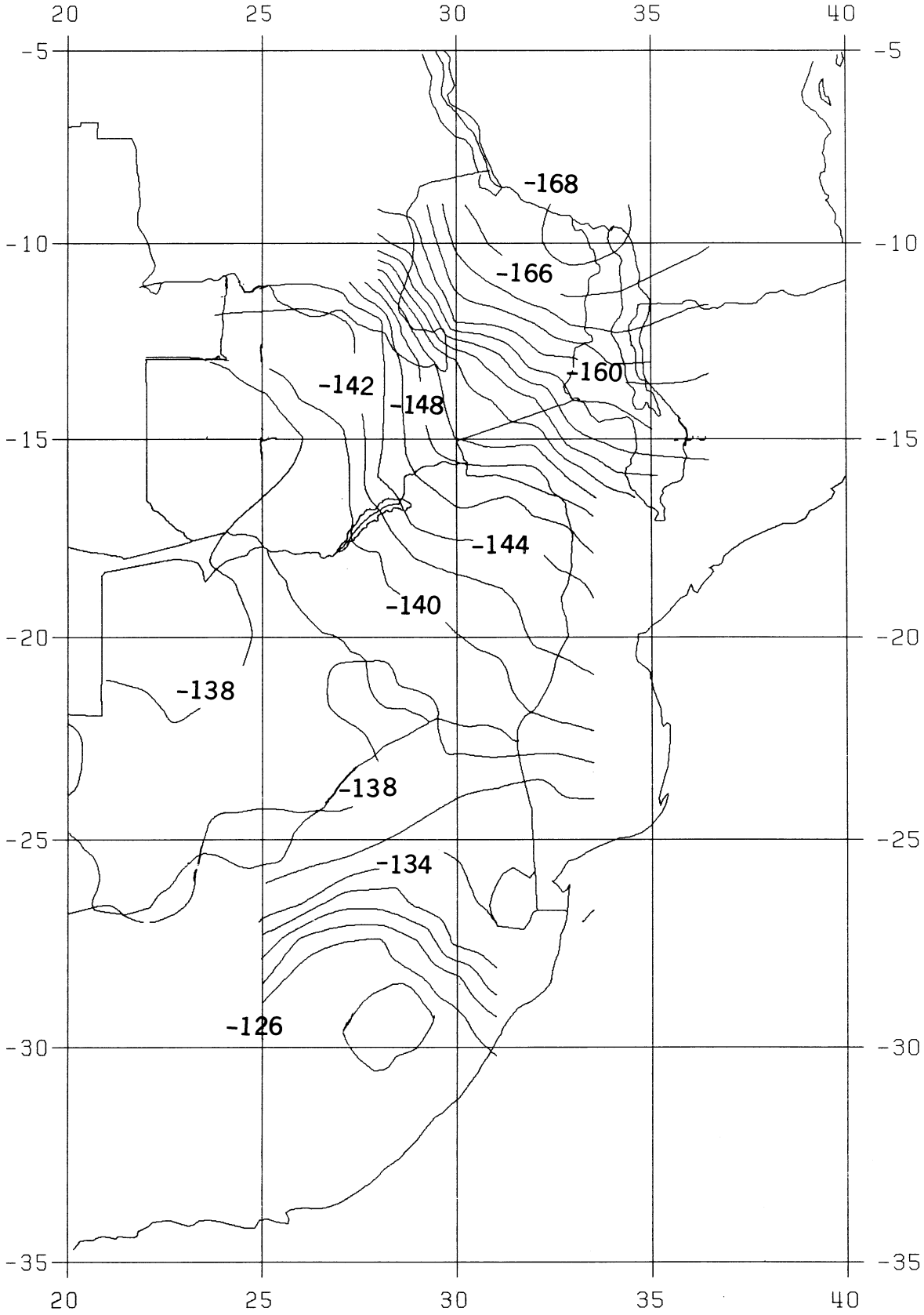

Figure 14.4. Contour Chart - Arc Datum 1950 to WGS 84 Datum Shifts, ΔX Component (Contour Interval = 2 Meters)

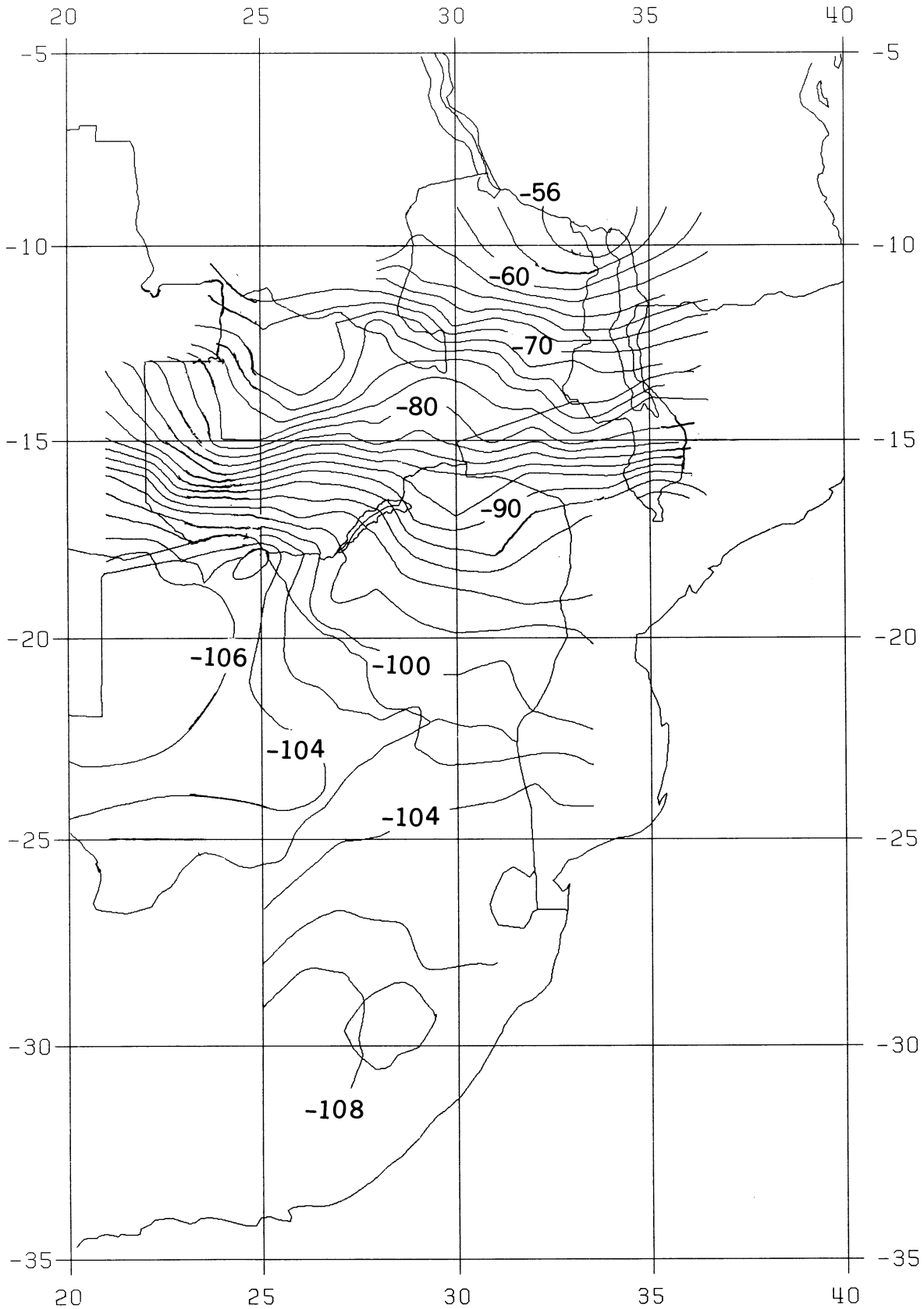

Figure 14.5. Contour Chart - Arc Datum 1950 to WGS 84 Datum Shifts, ΔY Component (Contour Interval = 2 Meters)

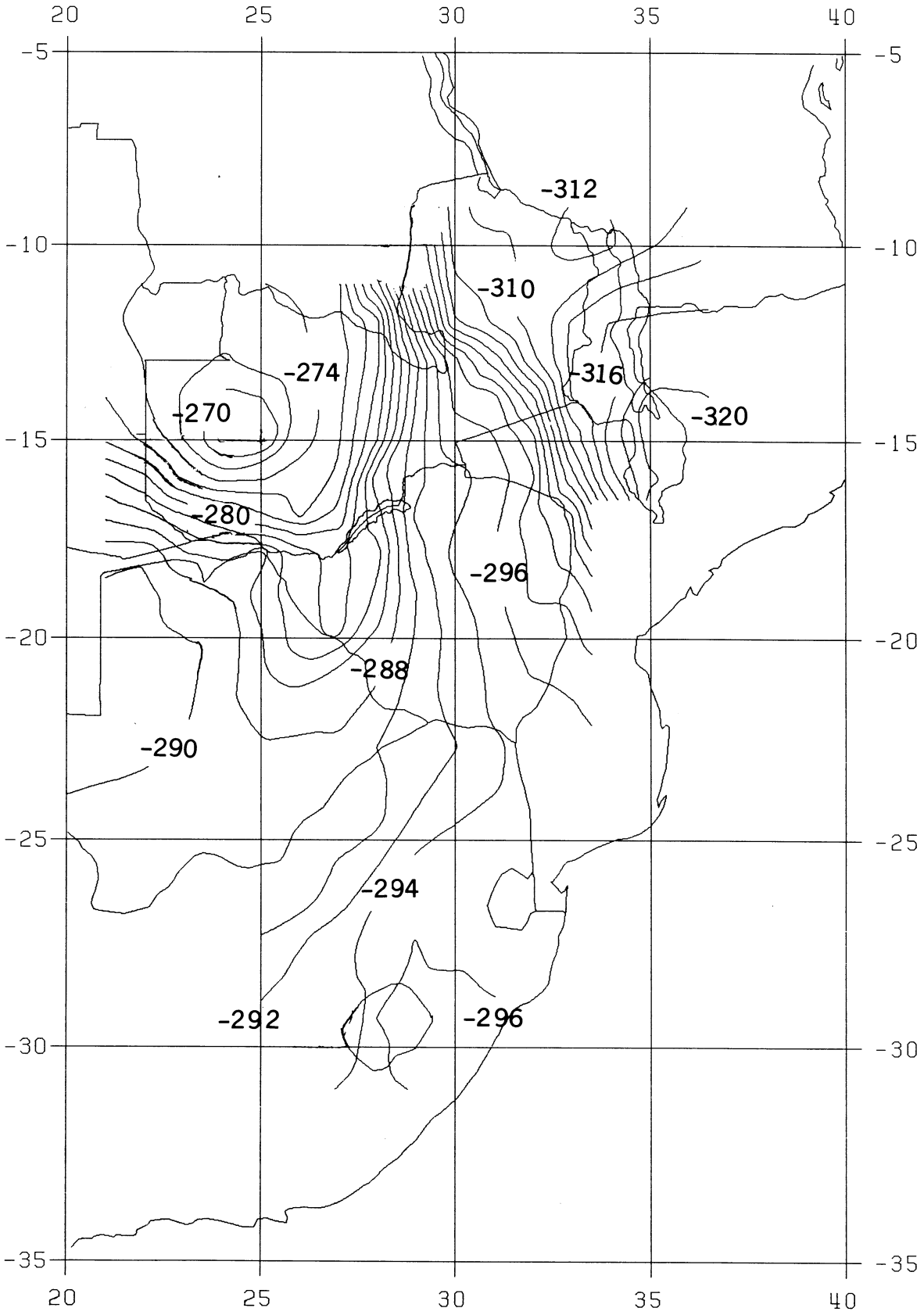

Figure 14.6. Contour Chart - Arc Datum 1950 to WGS 84 Datum Shifts, △Z Component (Contour Interval = 2 Meters)

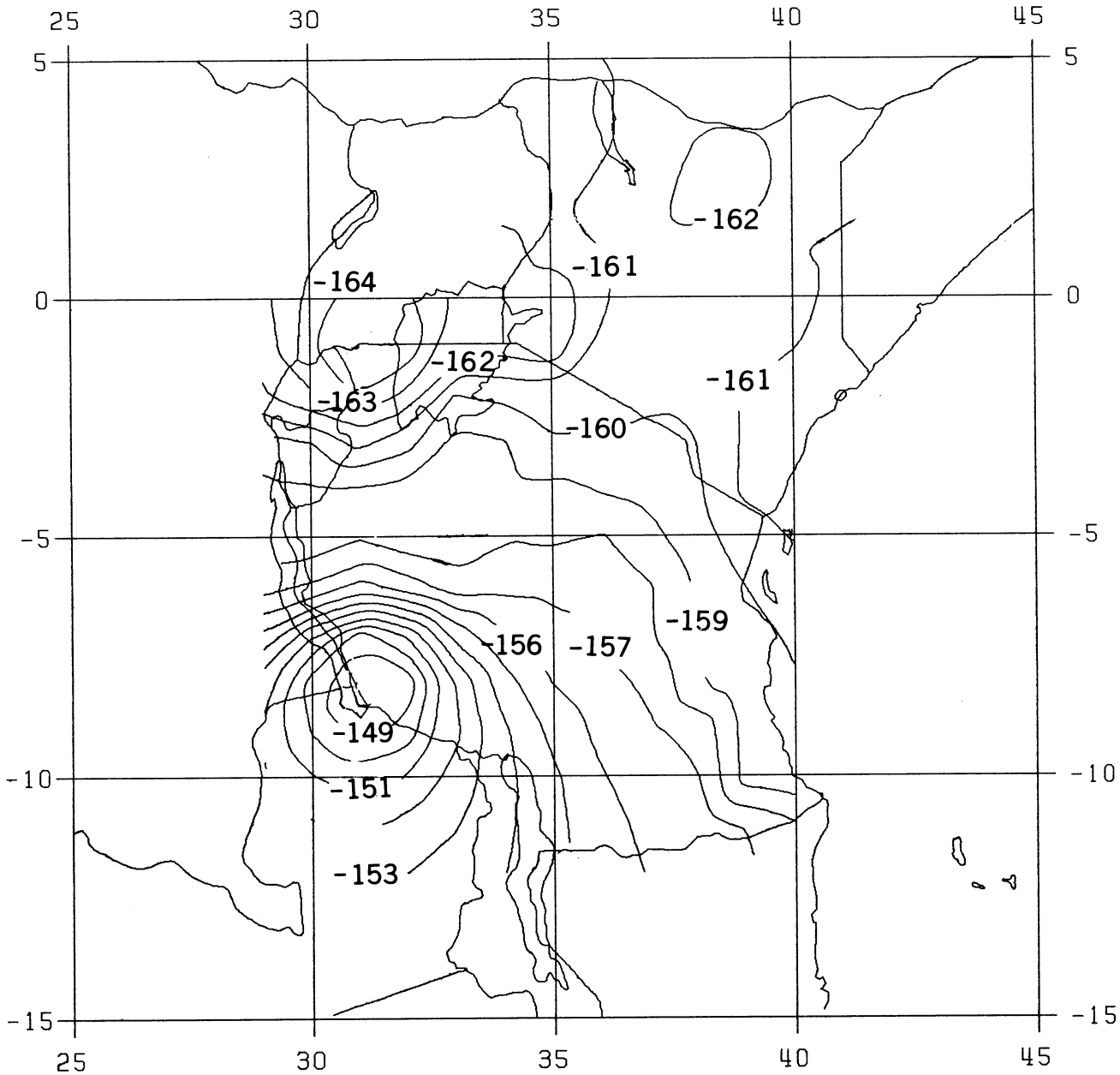

Figure 14.7. Contour Chart - Arc Datum 1960 to WGS 84 Datum Shifts, △X Component (Contour Interval = 1 Meter)

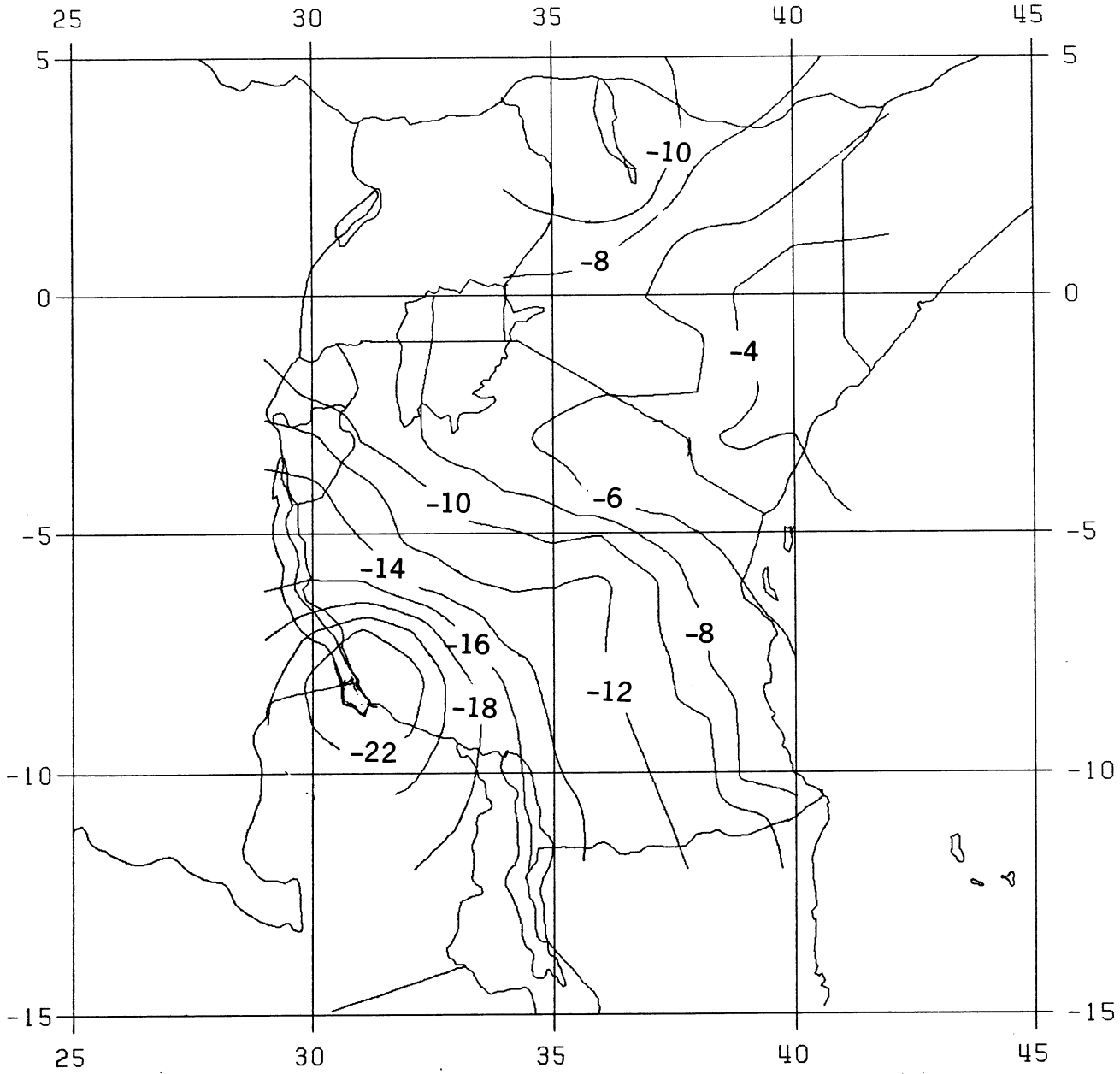

Figure 14.8. Contour Chart – Arc Datum 1960 to WGS 84 Datum Shifts, ΔY Component (Contour Interval = 2 Meters)

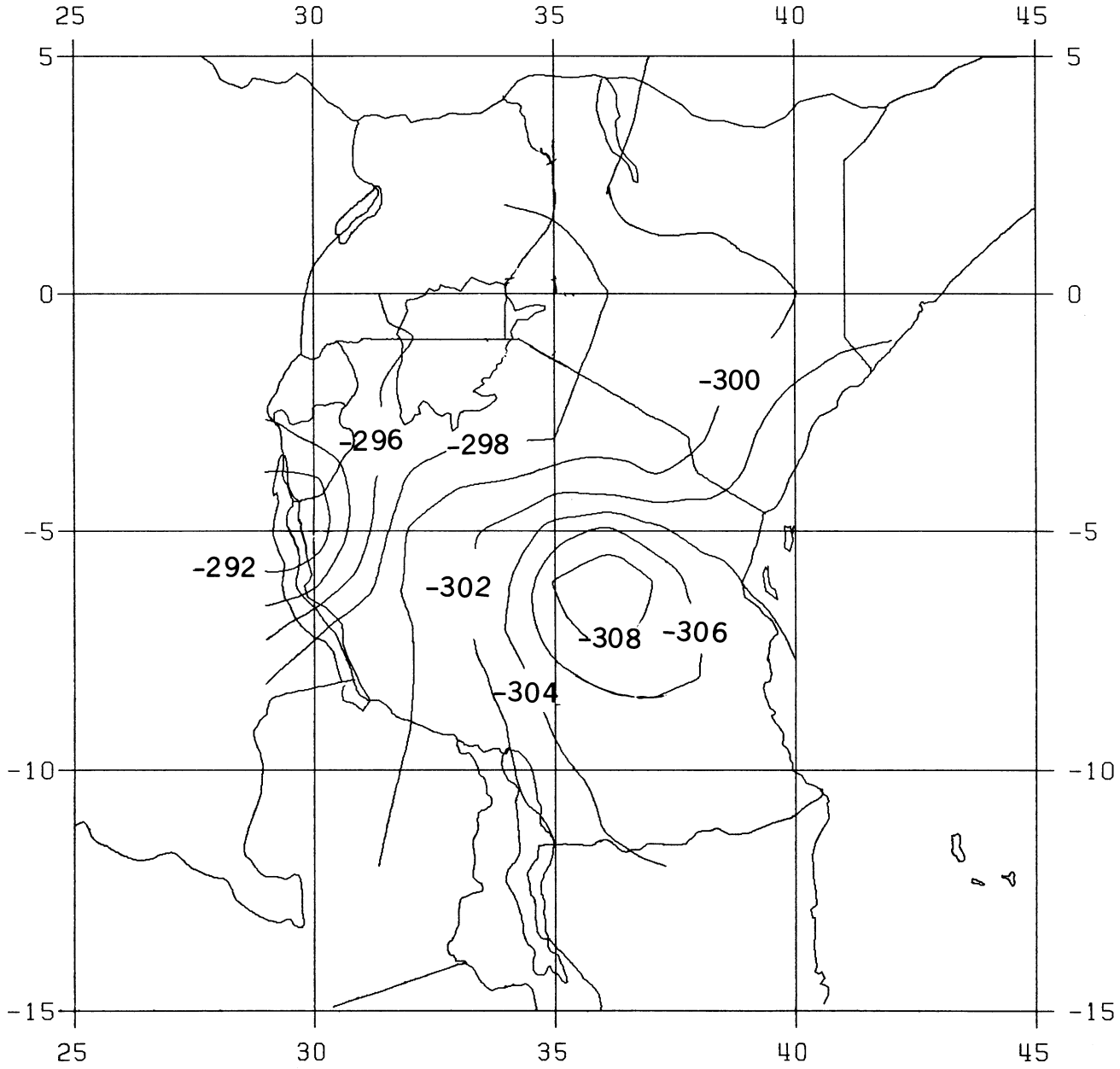

Figure 14.9. Contour Chart - Arc Datum 1960 to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 2 Meters)

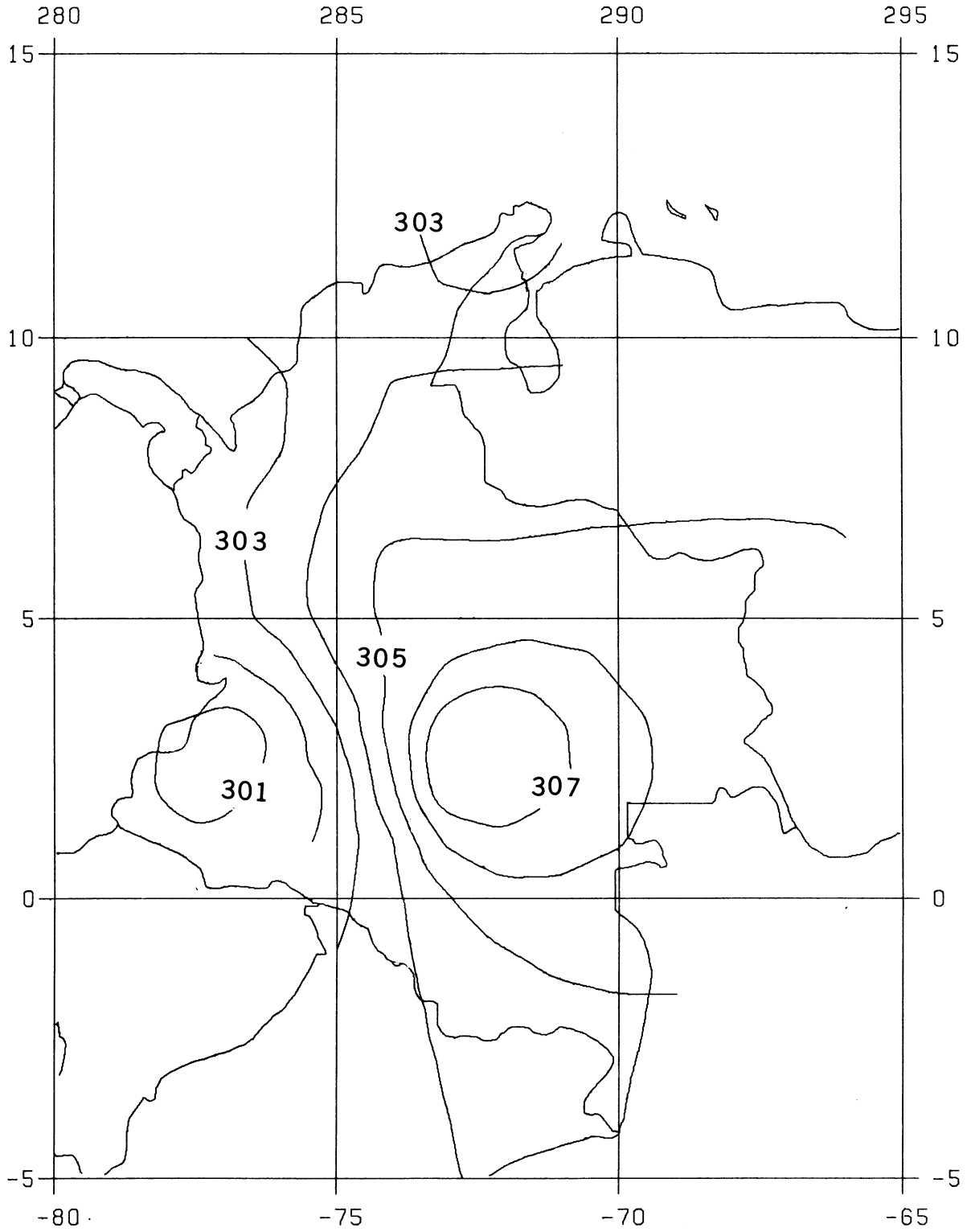

Figure 14.10. Contour Chart - Bogota Observatory Datum to WGS 84 Datum Shifts, ΔX Component (Contour Interval = 1 Meter)

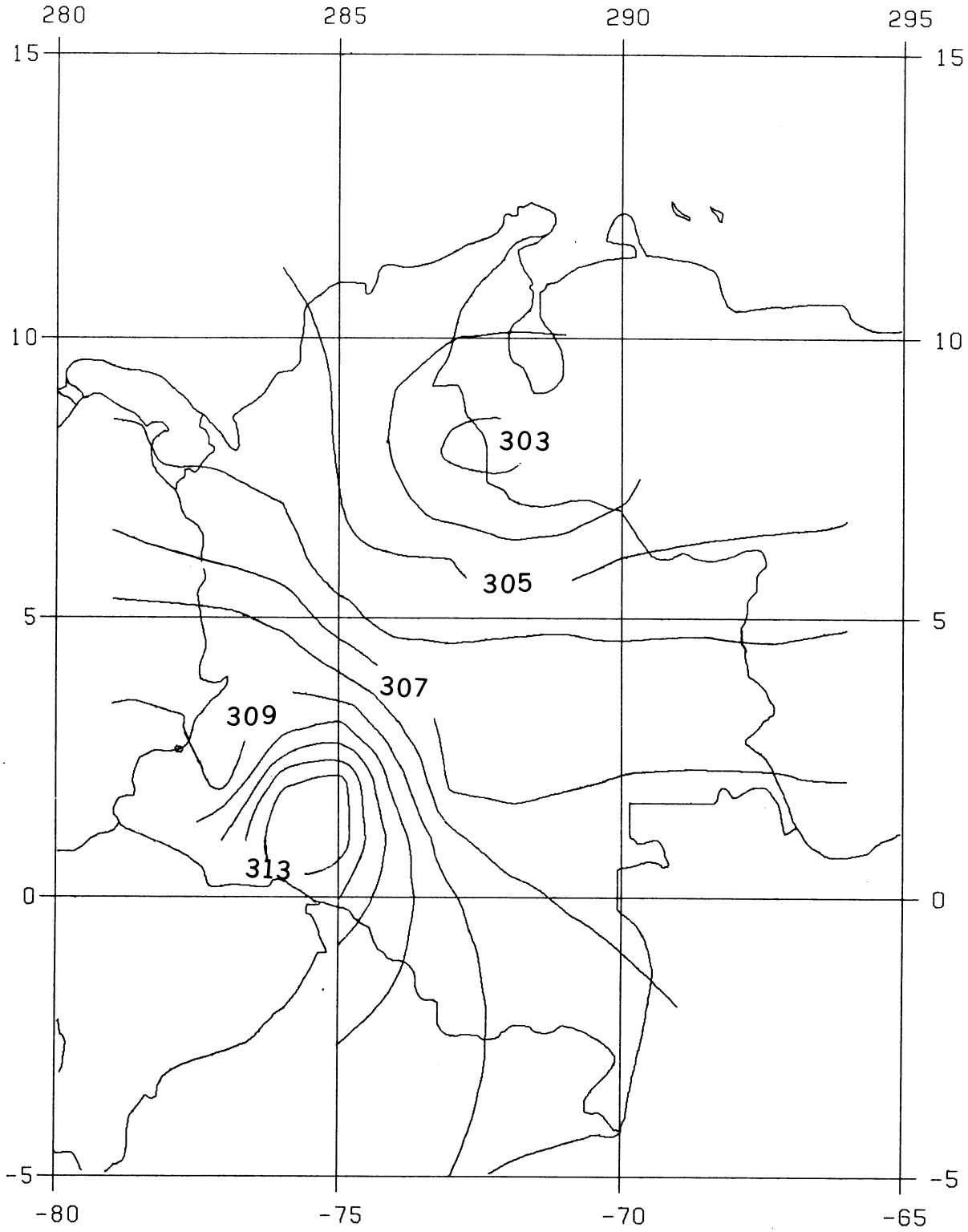

Figure 14.11. Contour Chart - Bogota Observatory Datum to WGS 84 Datum Shifts, △Y Component (Contour Interval = 1 Meter)

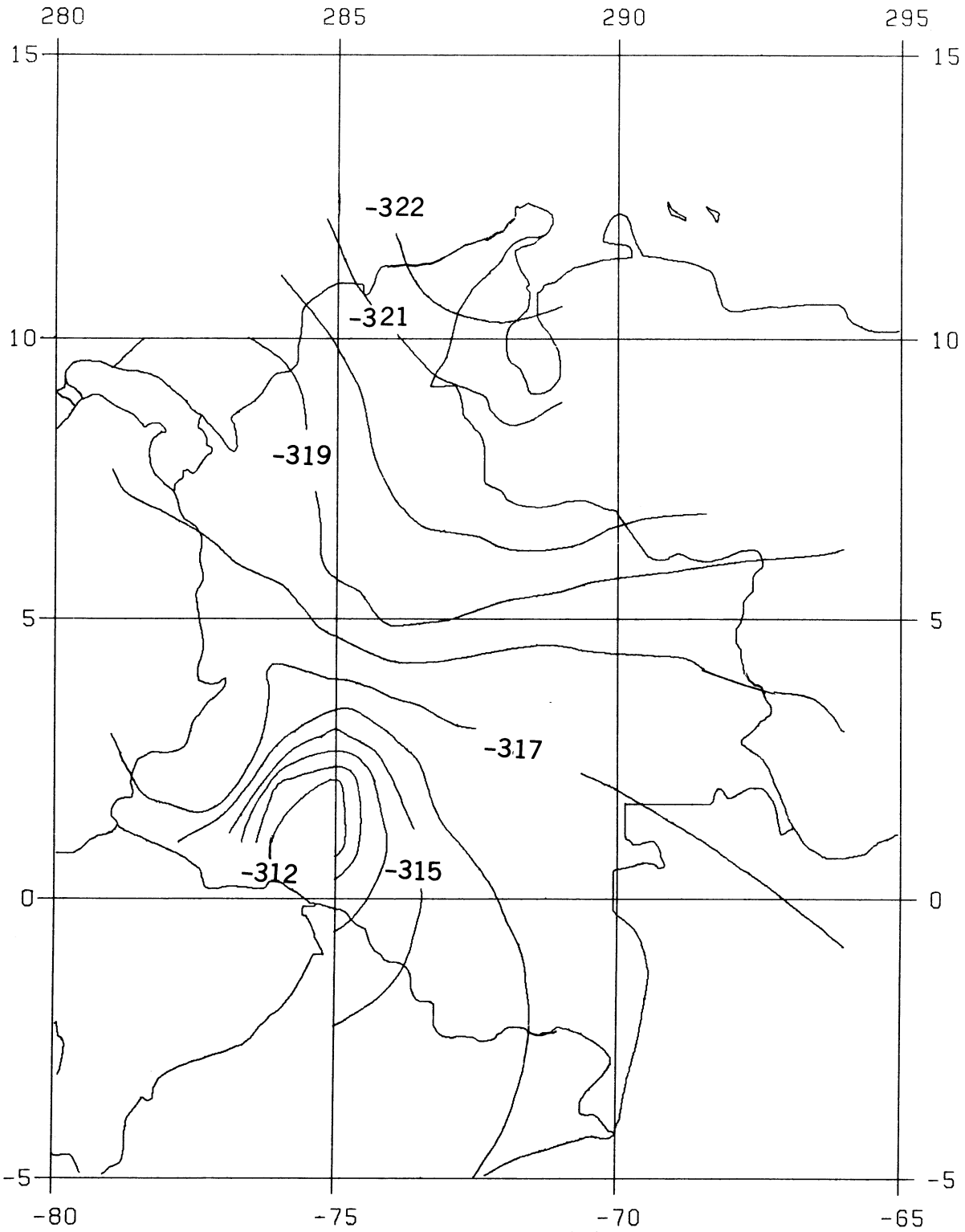

Figure 14.12. Contour Chart - Bogota Observatory Datum to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 1 Meter)

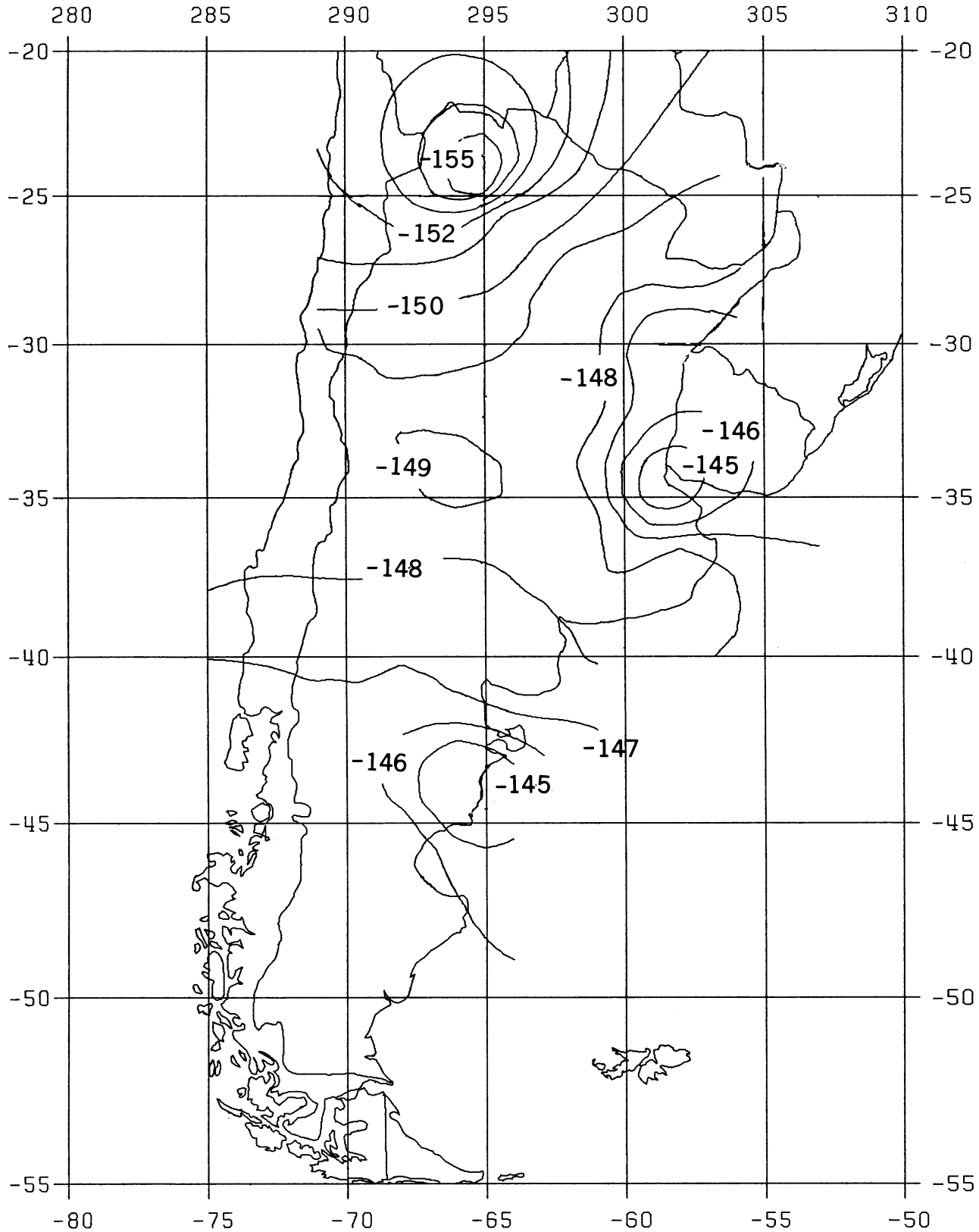

Figure 14.13. Contour Chart - Campo Inchauspe Datum to WGS 84 Datum Shifts, ΔX Component (Contour Interval = 1 Meter)

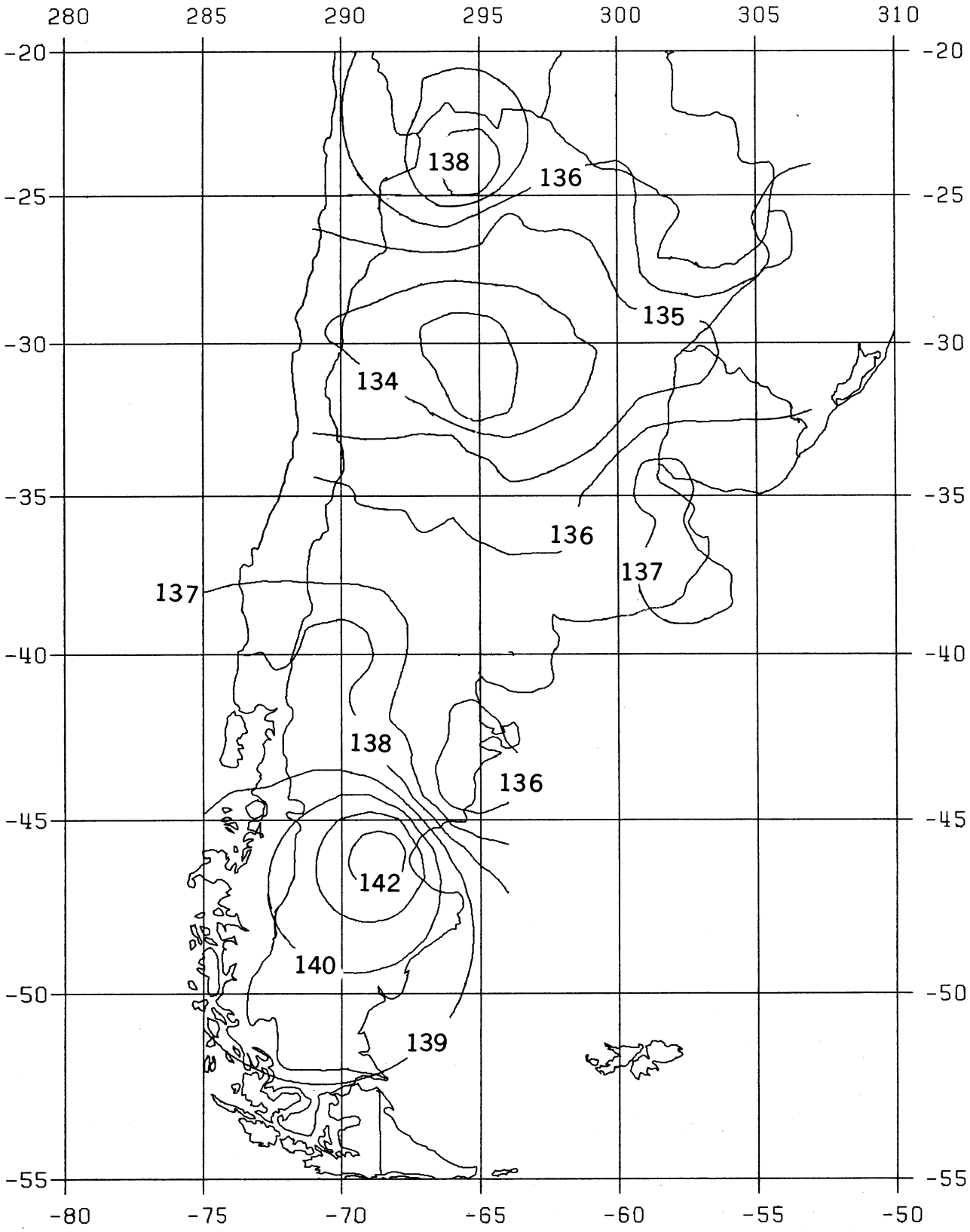

Figure 14.14. Contour Chart - Campo Inchauspe Datum to WGS 84 Datum Shifts, ΔY Component (Contour Interval = 1 Meter)

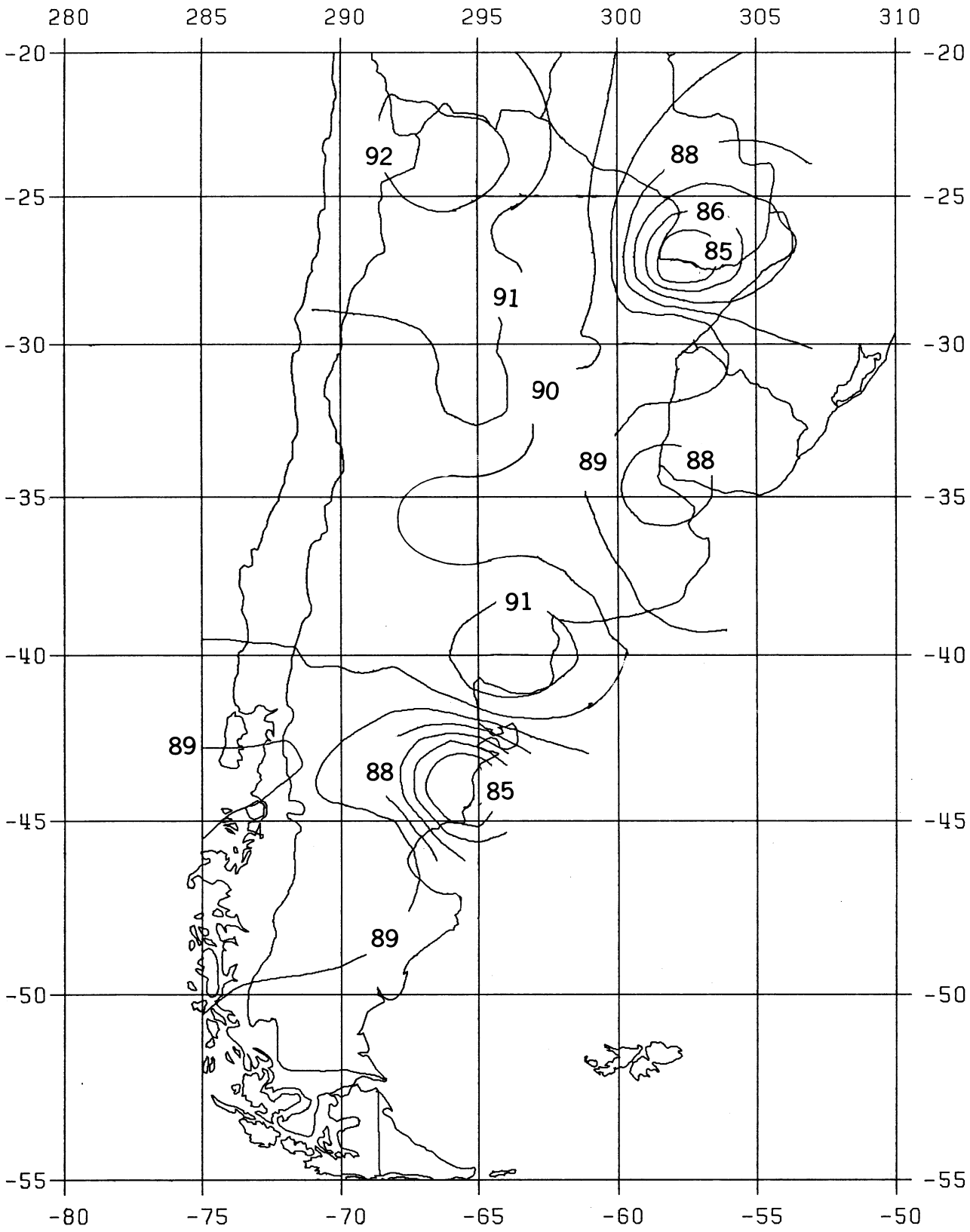

Figure 14.15. Contour Chart - Campo Inchauspe Datum to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 1 Meter)

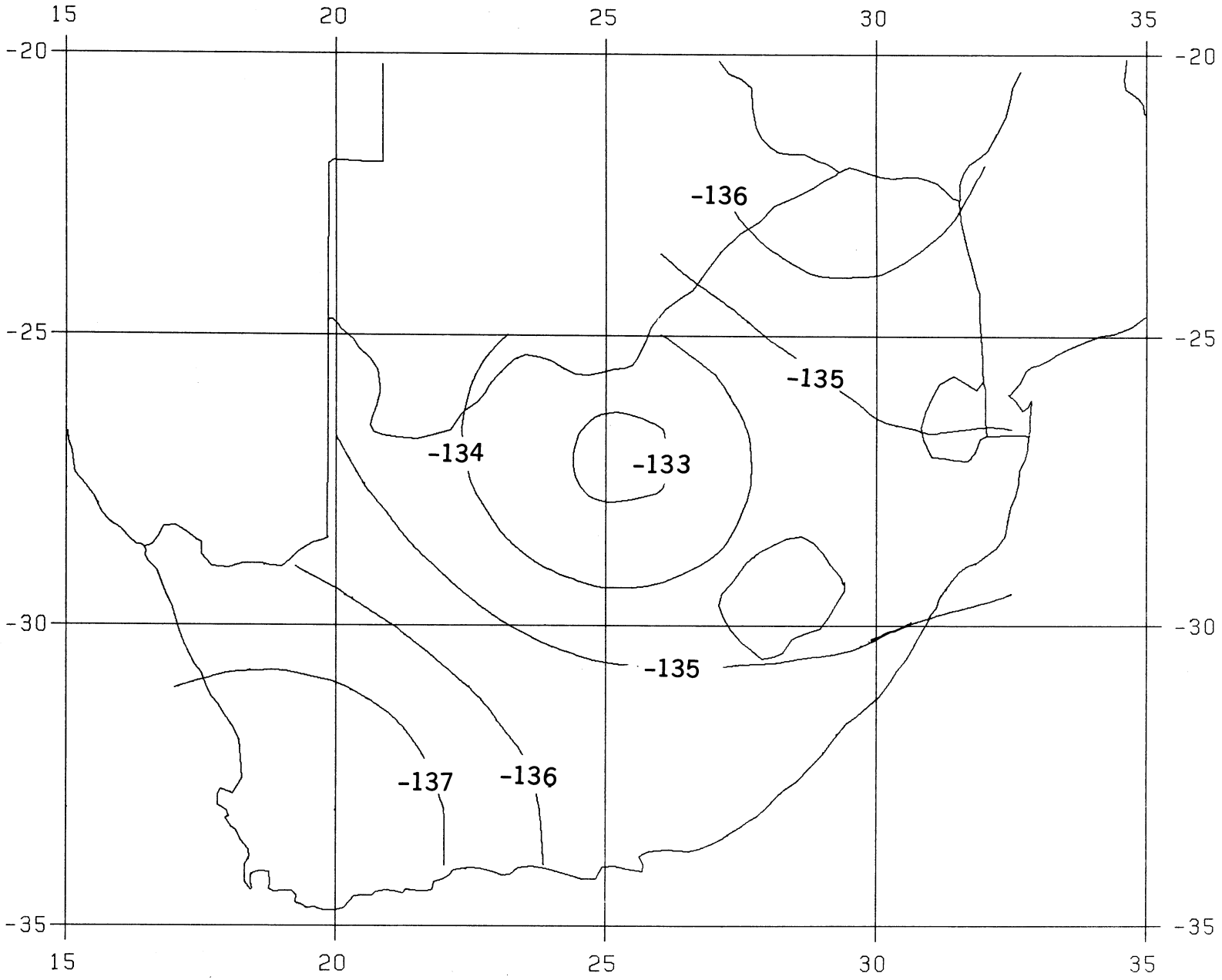

Figure 14.16. Contour Chart - Cape Datum to WGS 84 Datum Shifts, △X Component (Contour Interval = 1 Meter)

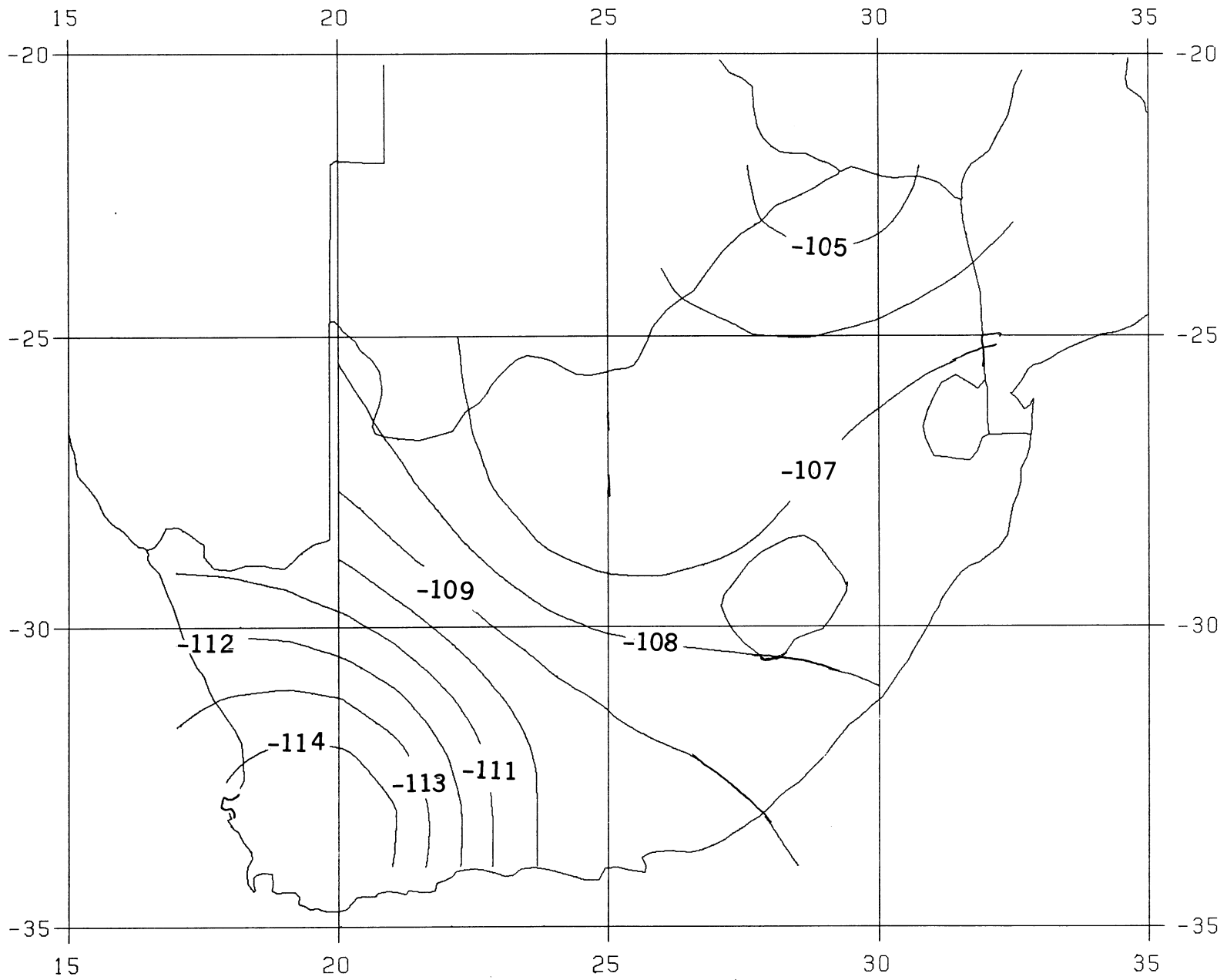

Figure 14.17. Contour Chart - Cape Datum to WGS 84 Datum Shifts, △Y Component (Contour Interval = 1 Meter)

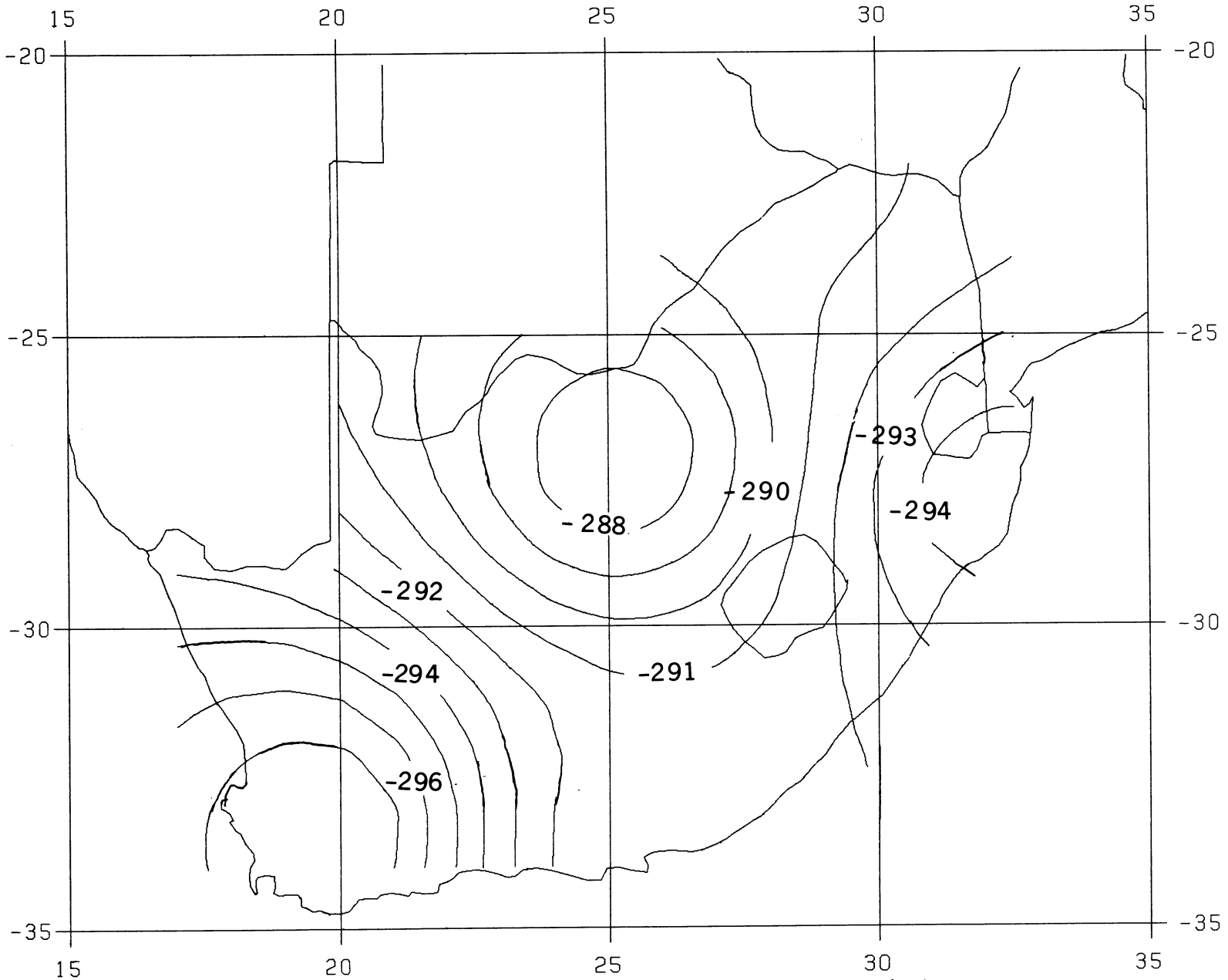

Figure 14.18. Contour Chart - Cape Datum to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 1 Meter)

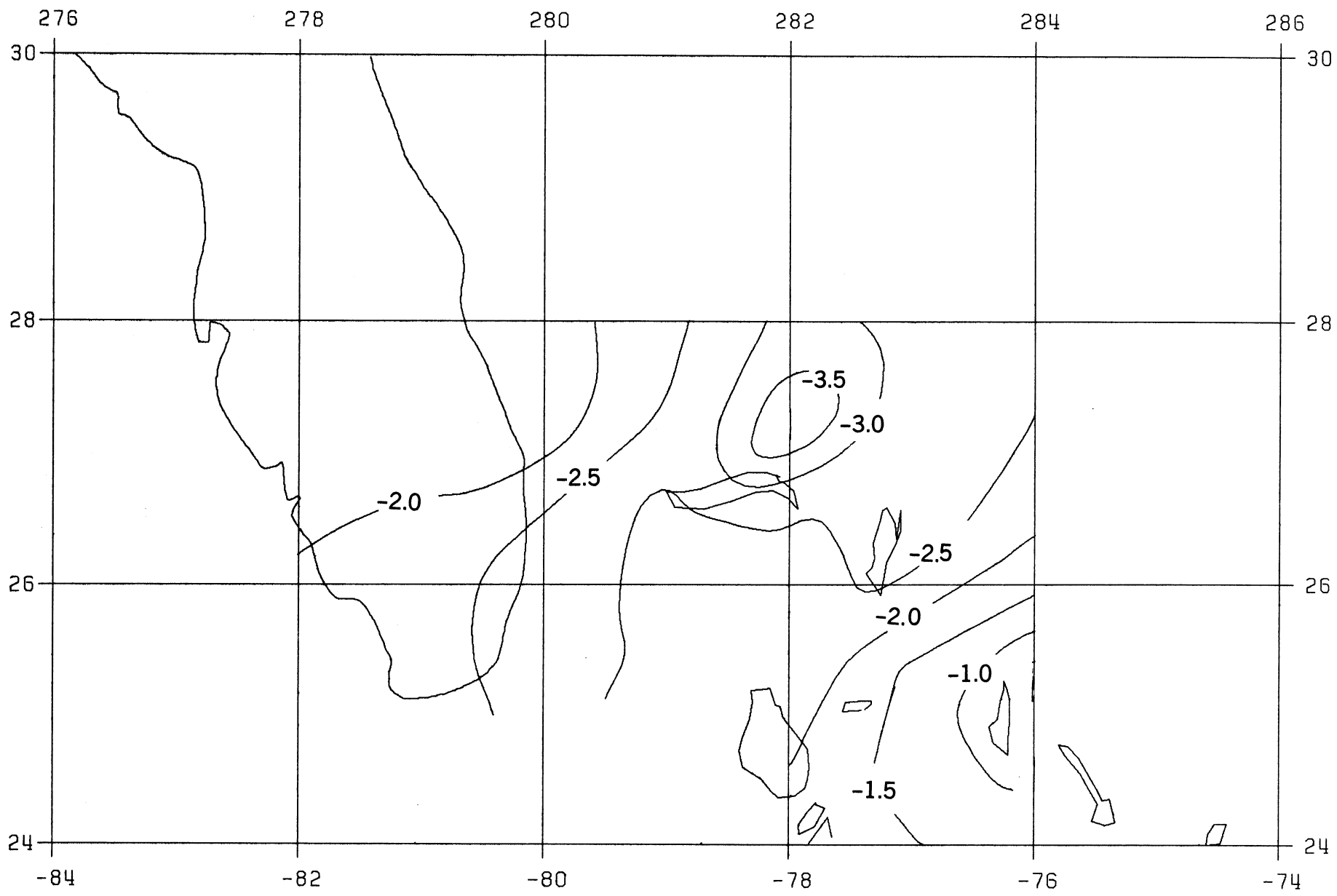

Figure 14.19. Contour Chart - Cape Canaveral Datum to WGS 84 Datum Shifts, ΔX Component (Contour Interval = 0.5 Meter)

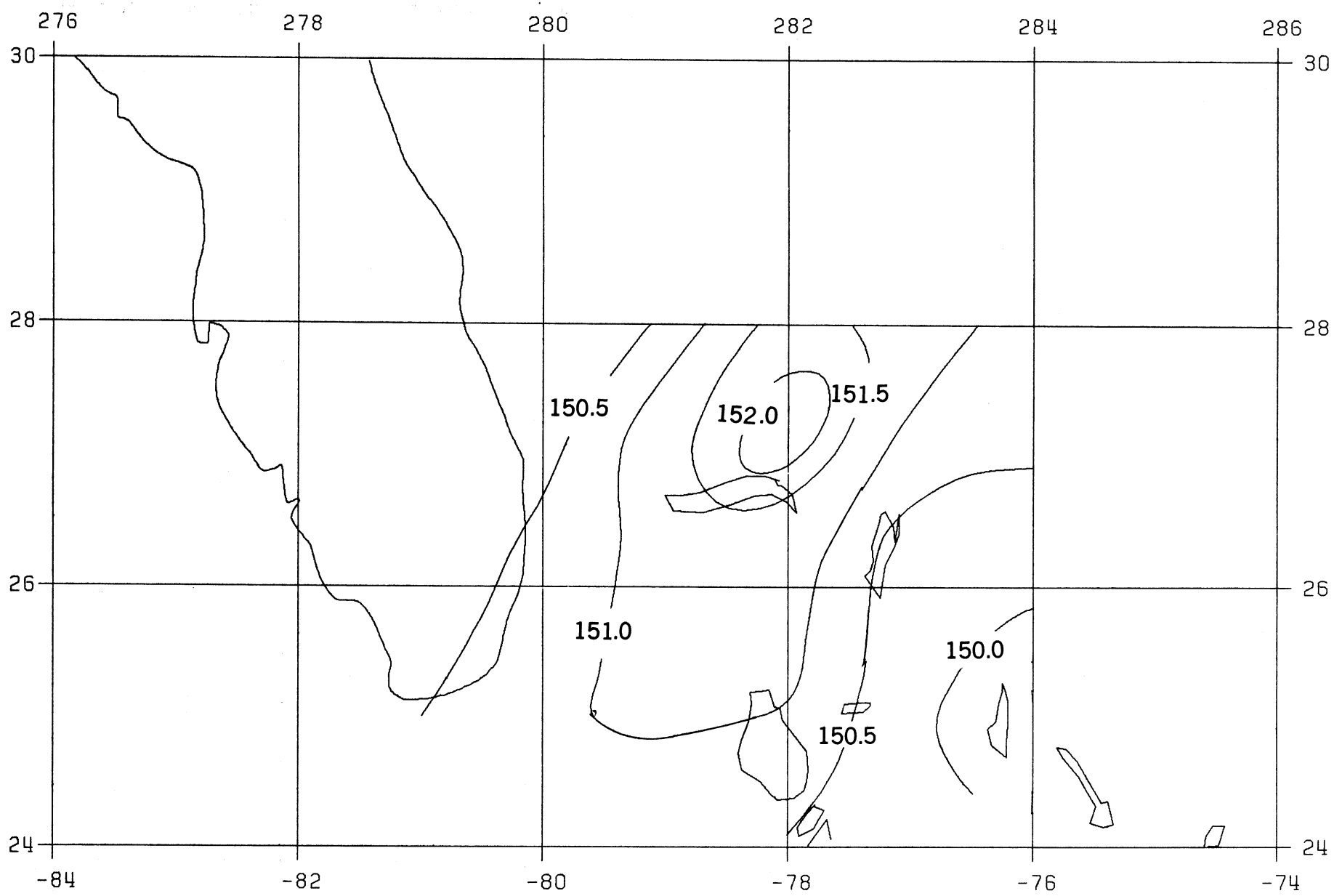

Figure 14.20. Contour Chart - Cape Canaveral Datum to WGS 84 Datum Shifts, ΔY Component (Contour Interval = 0.5 Meter)

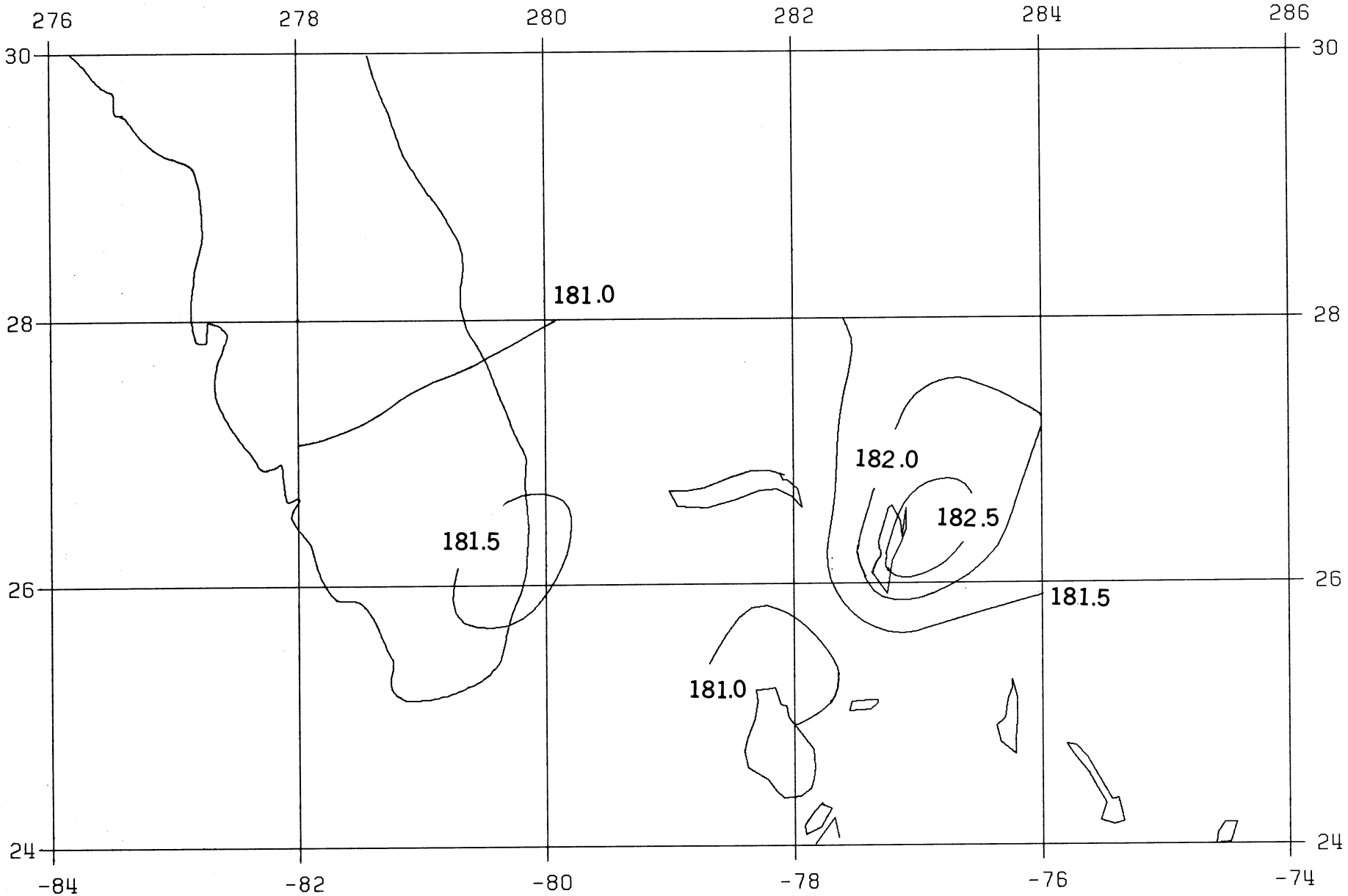

Figure 14.21. Contour Chart - Cape Canaveral Datum to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 0.5 Meter)

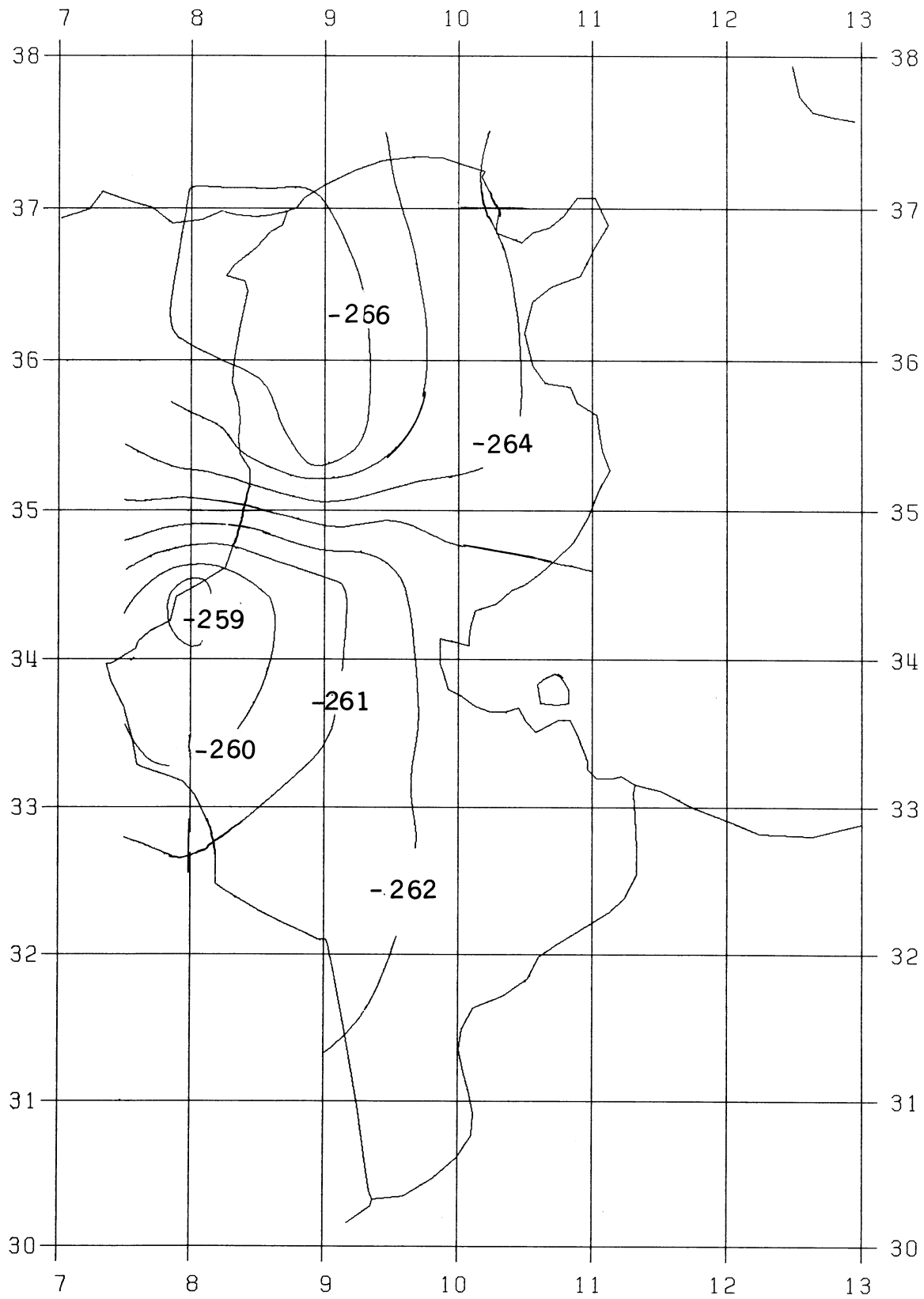

Figure 14.22. Contour Chart – Carthage Datum to WGS 84 Datum Shifts, △X Component (Contour Interval = 1 Meter)

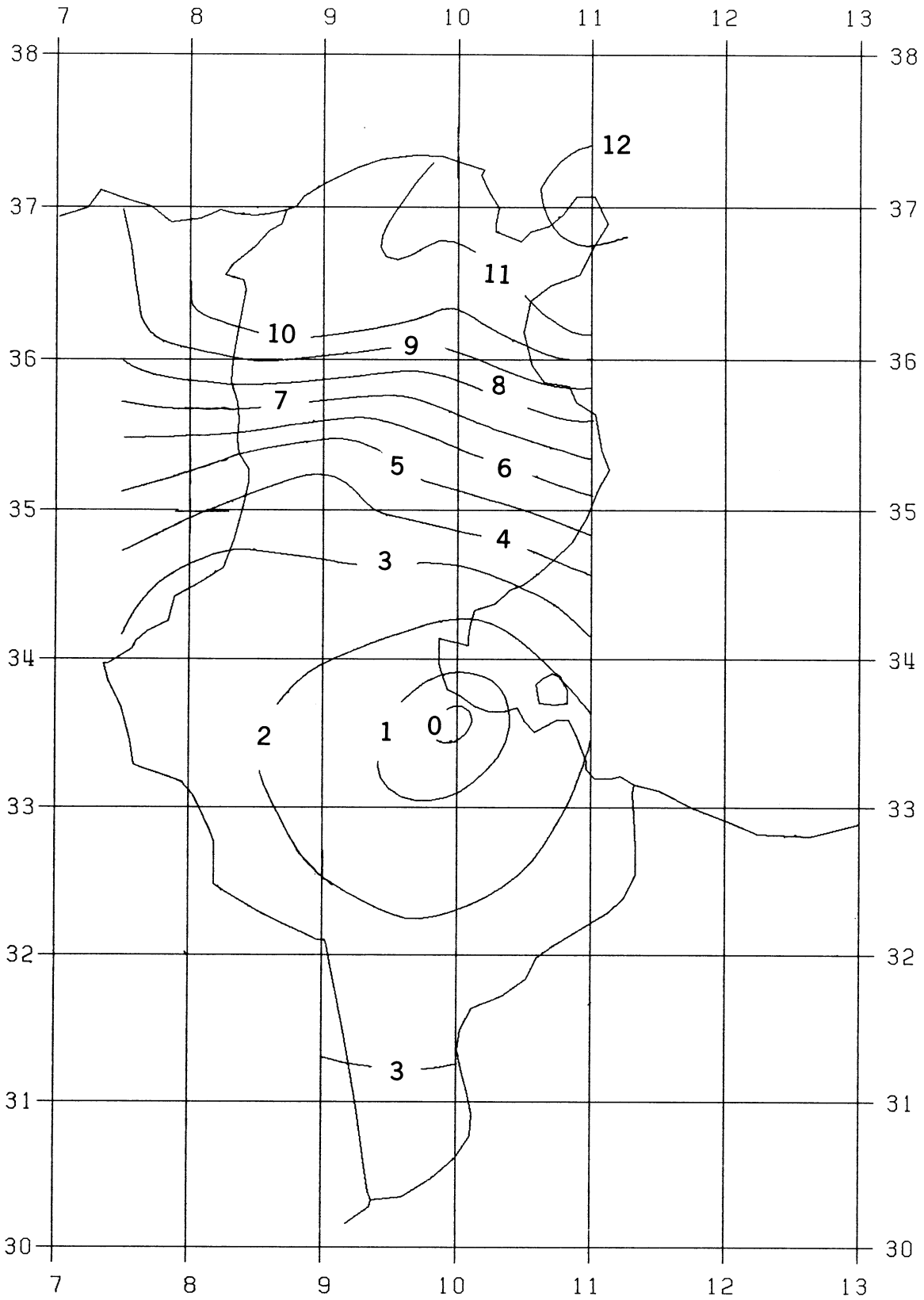

Figure 14.23. Contour Chart – Carthage Datum to WGS 84 Datum Shifts, ΔY Component (Contour Interval = 1 Meter)

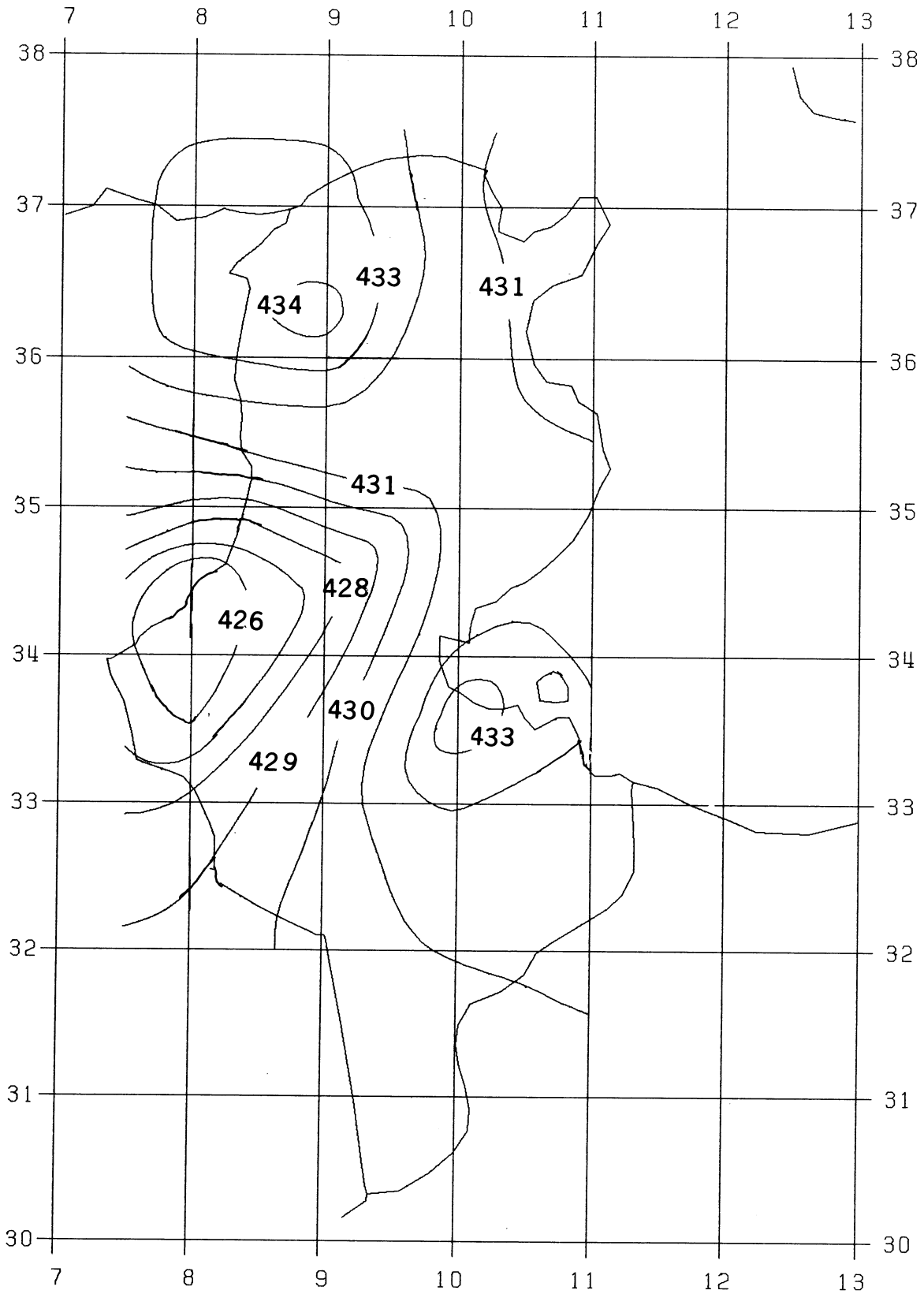

Figure 14.24. Contour Chart – Carthage Datum to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 1 Meter)

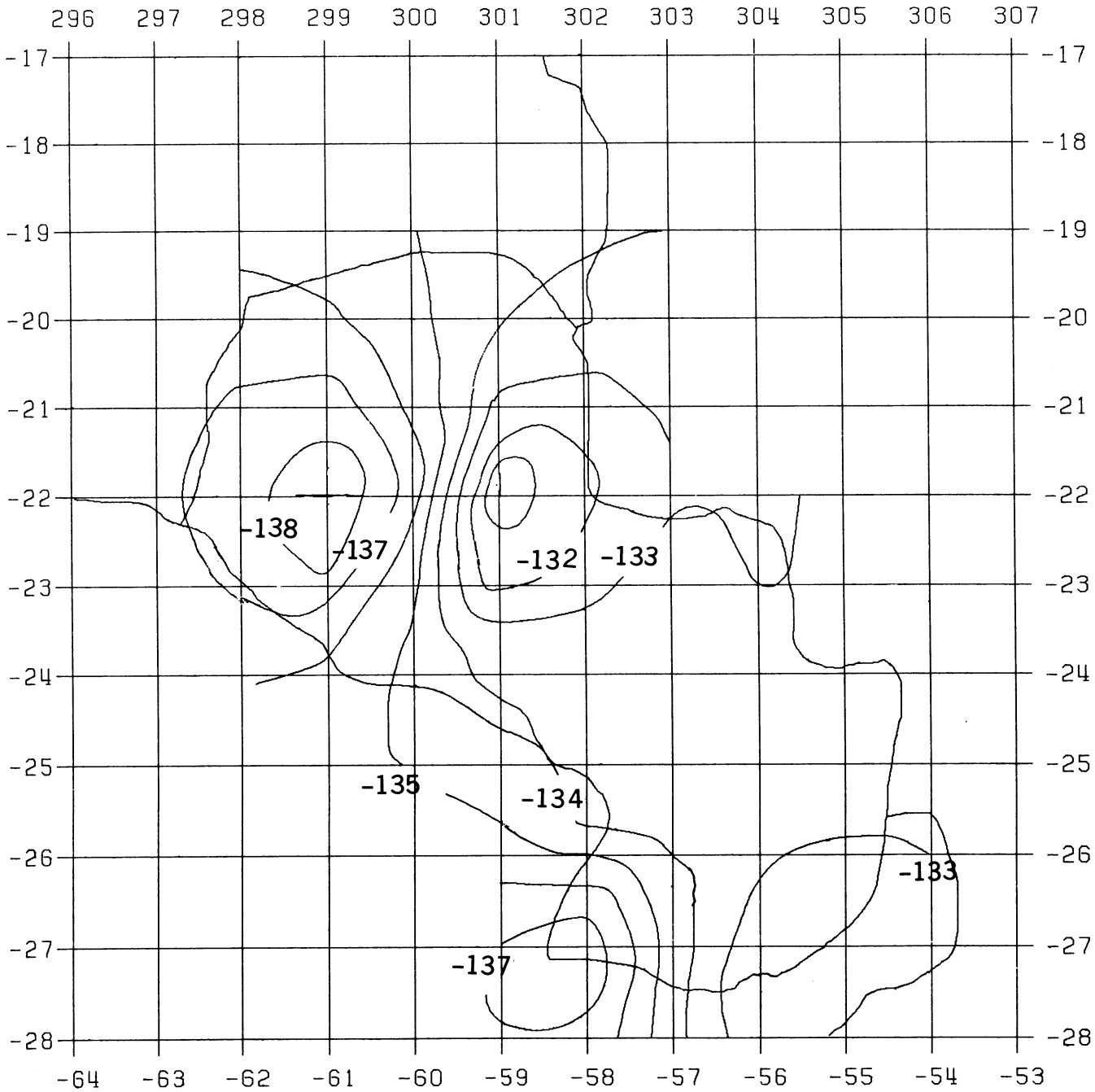

Figure 14.25. Contour Chart – Chua Astro Datum to WGS 84 Datum Shifts, △X Component (Contour Interval = 1 Meter)

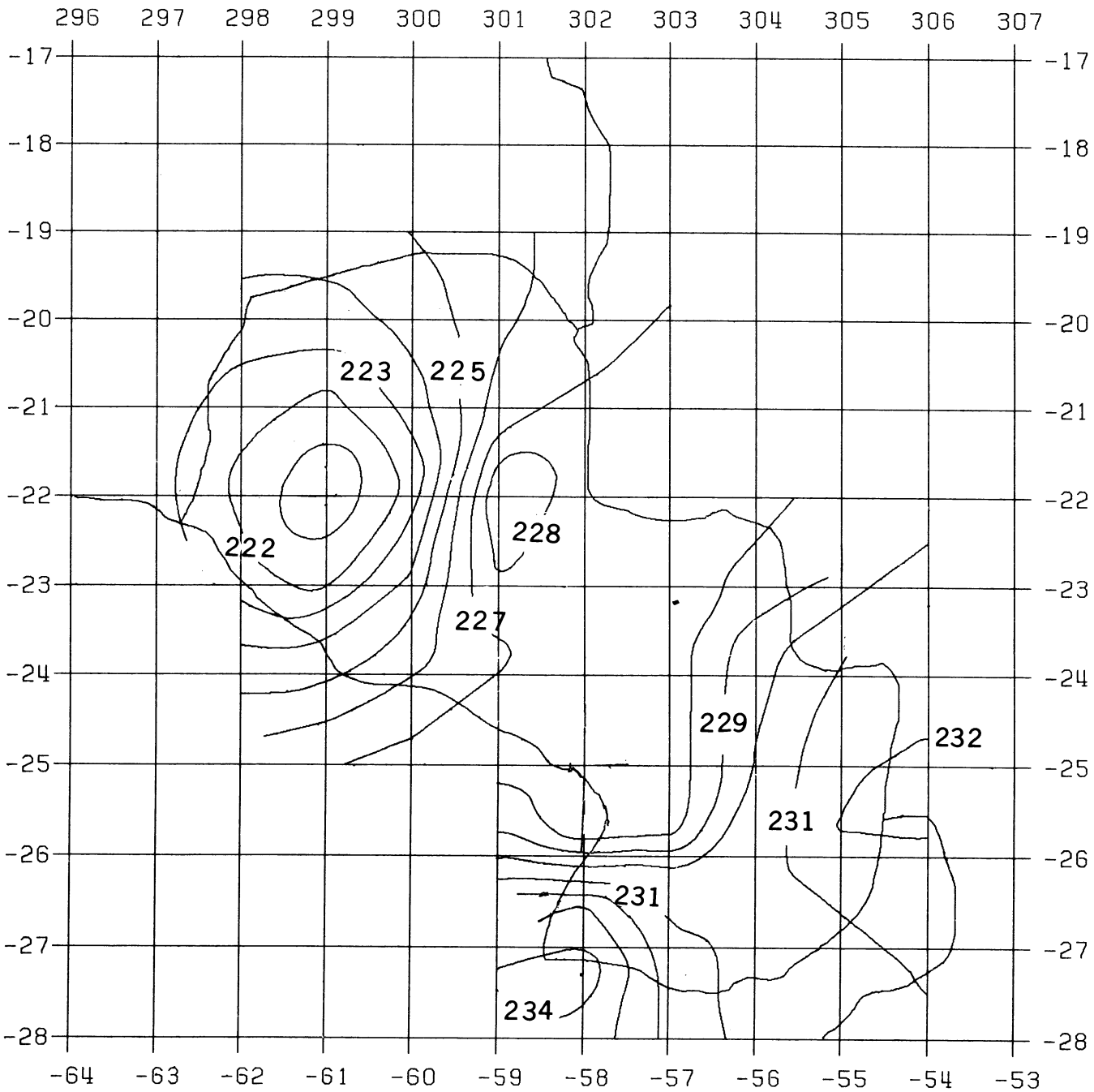

Figure 14.26. Contour Chart - Chua Astro Datum to WGS 84 Datum Shifts, △Y Component (Contour Interval = 1 Meter)

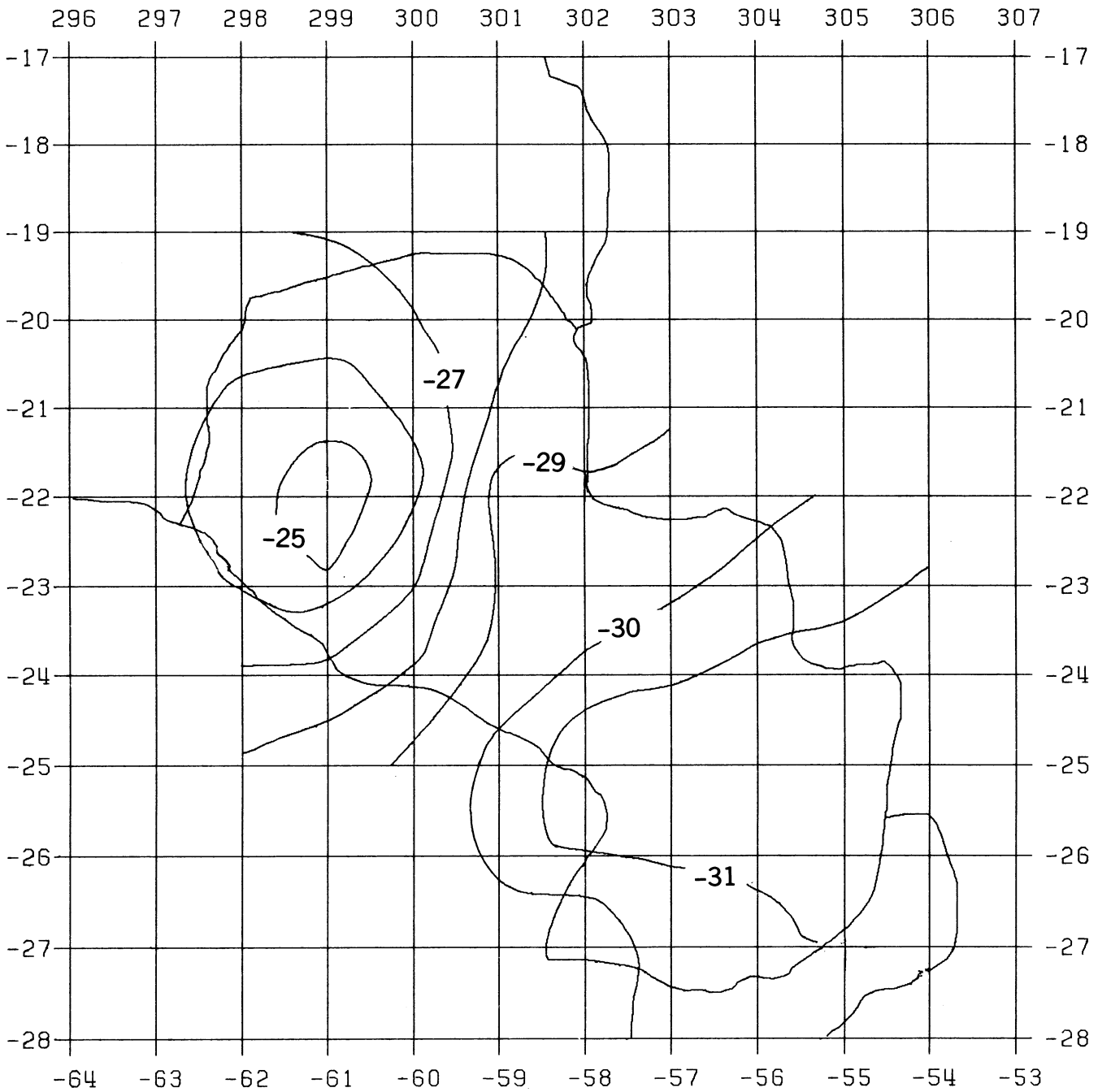

Figure 14.27. Contour Chart - Chua Astro Datum to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 1 Meter)

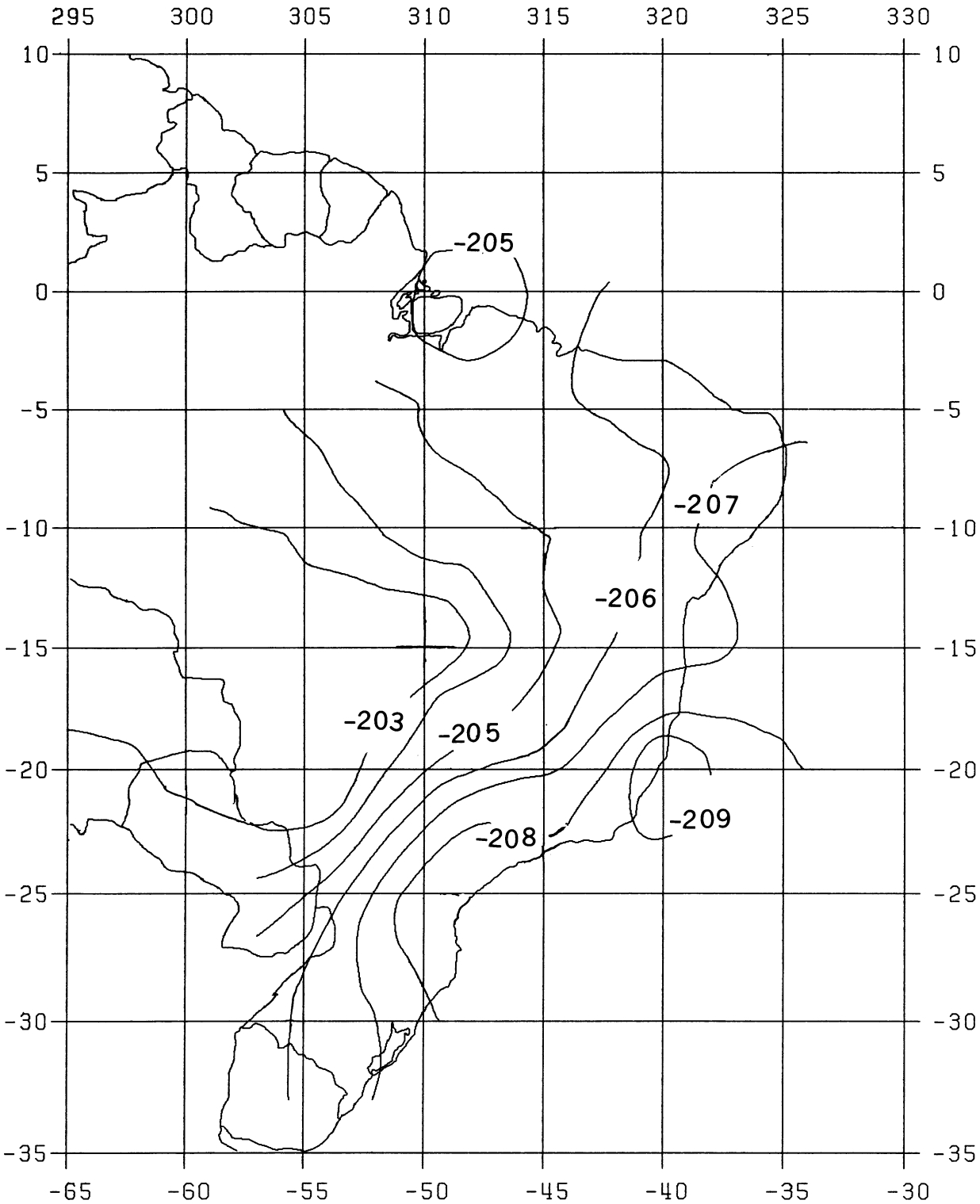

Figure 14.28. Contour Chart – Corrego Alegre Datum to WGS 84 Datum Shifts, △X Component (Contour Interval = 1 Meter)

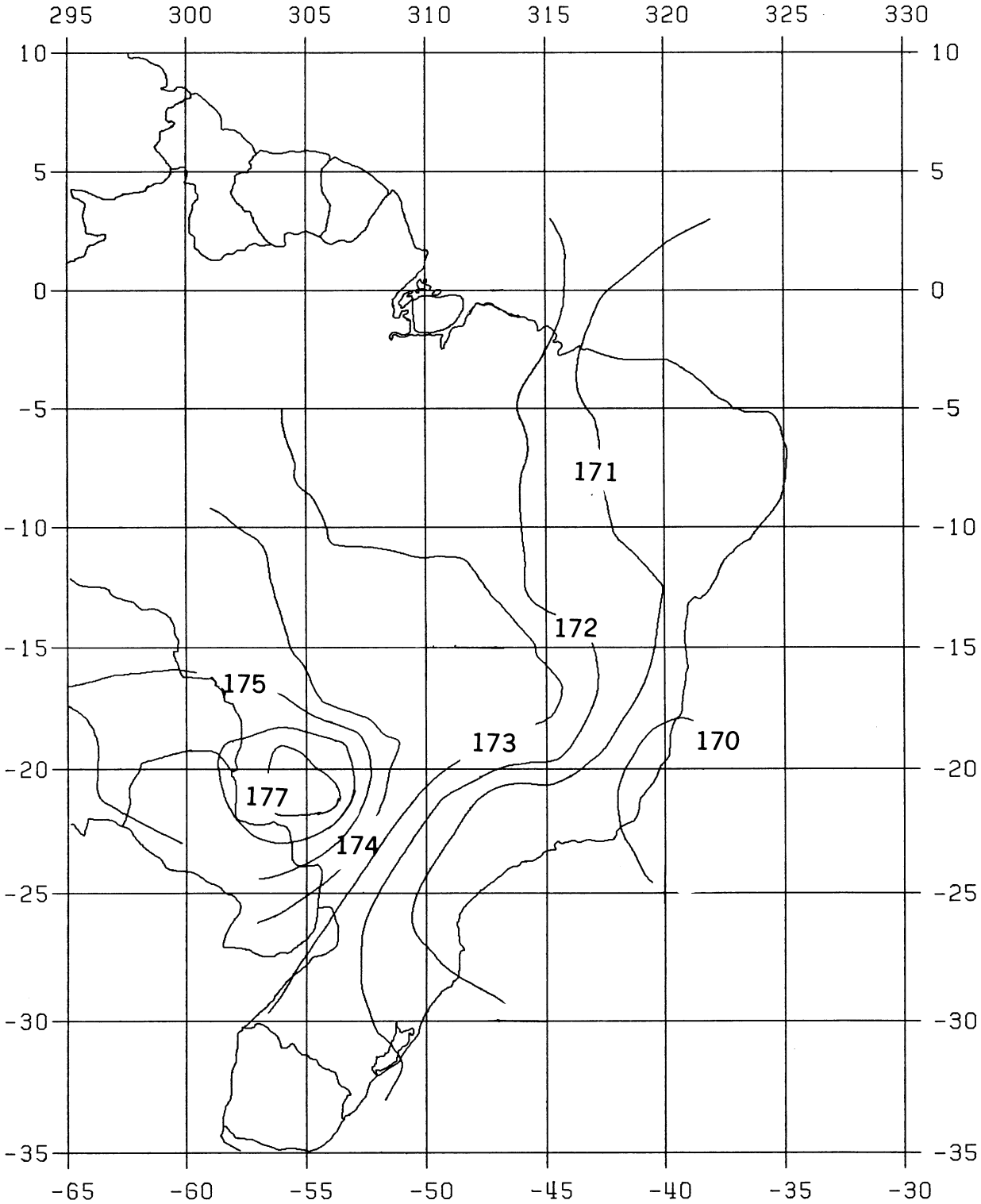

Figure 14.29. Contour Chart - Corrego Alegre Datum to WGS 84 Datum Shifts, ΔY Component (Contour Interval = 1 Meter)

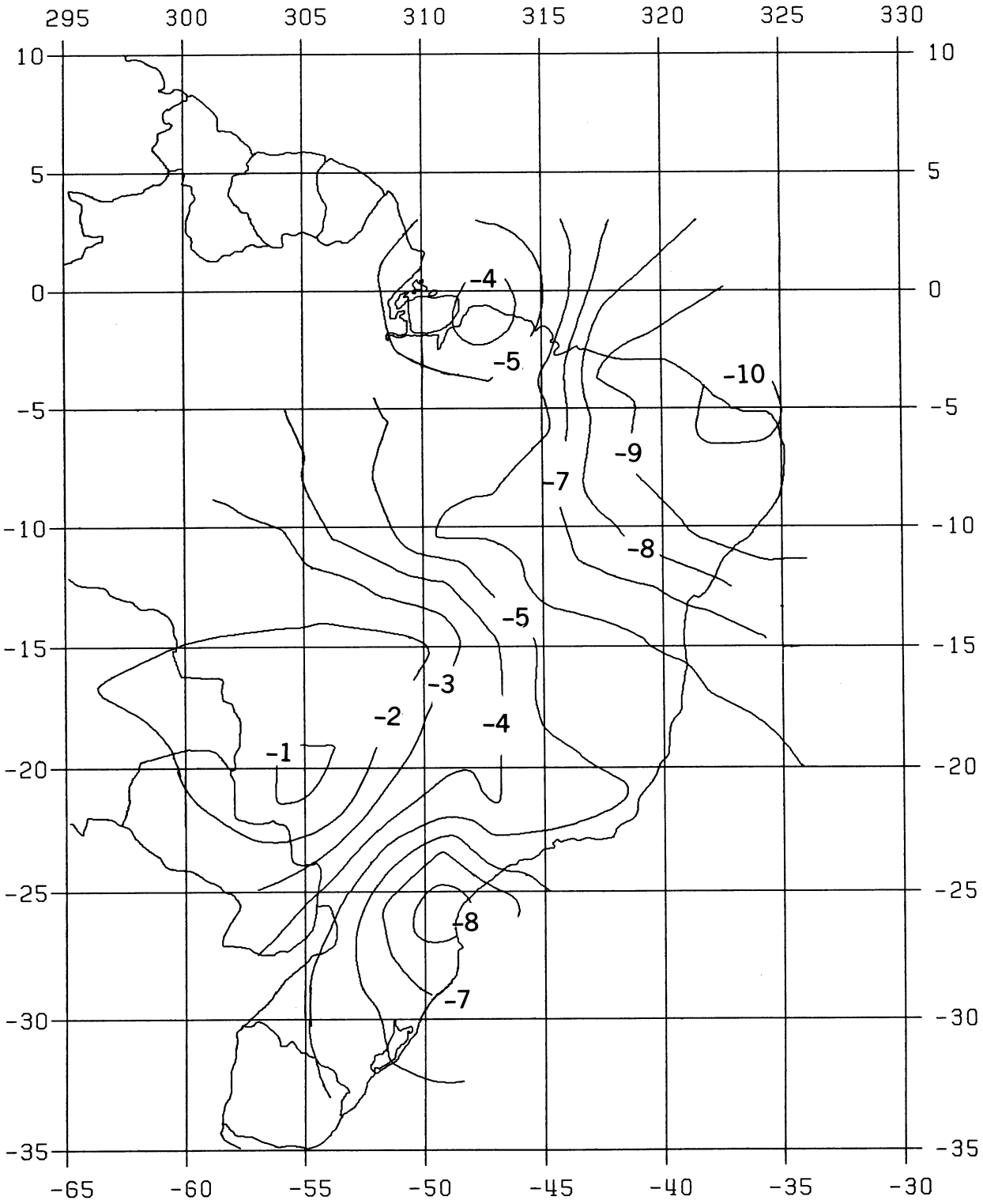

Figure 14.30. Contour Chart - Corrego Alegre Datum to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 1 Meter)

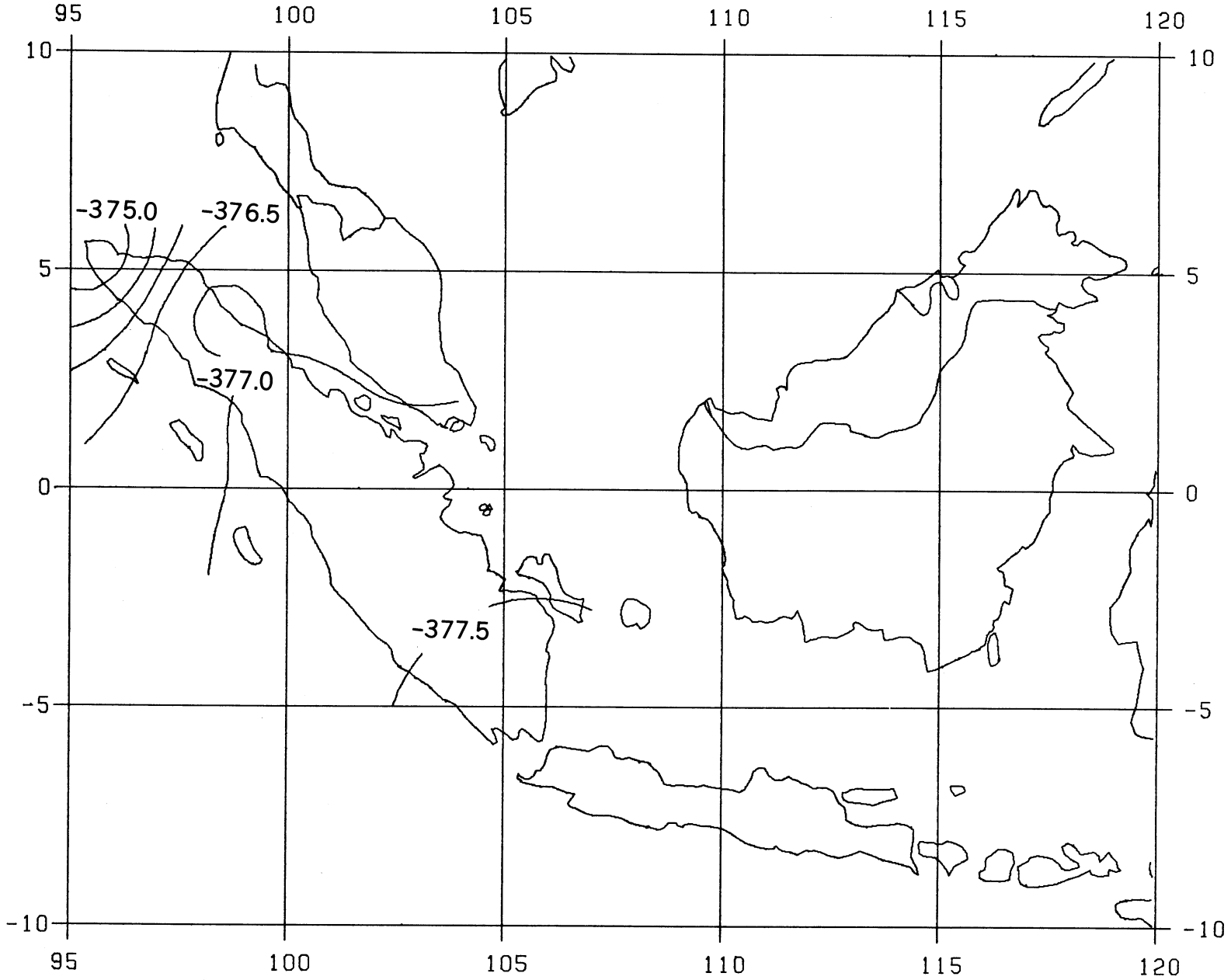

Figure 14.31. Contour Chart - Djakarta Datum to WGS 84 Datum Shifts, ΔX Component (Contour Interval = 0.5 Meter)

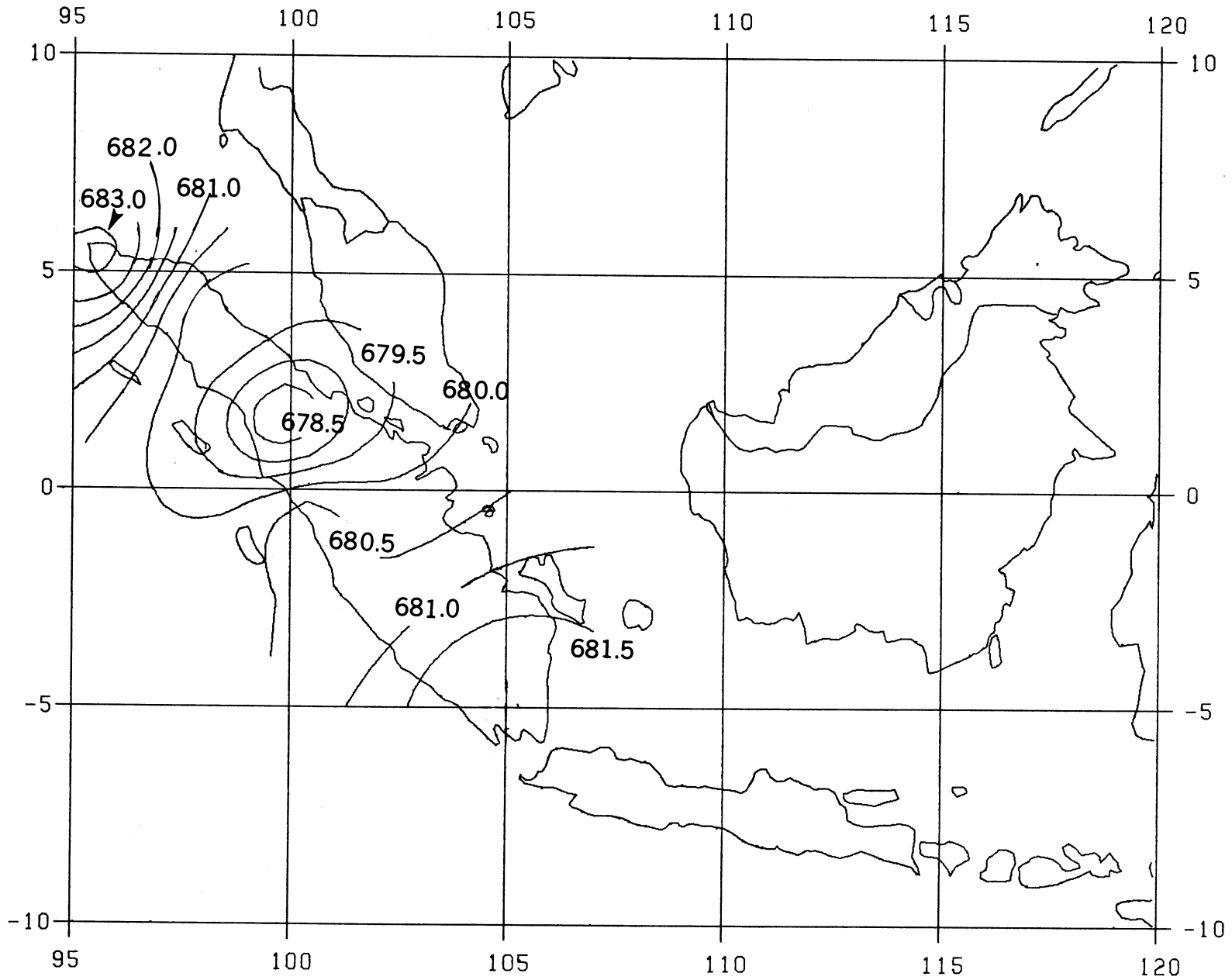

Figure 14.32. Contour Chart – Djakarta Datum to WGS 84 Datum Shifts, ΔY Component (Contour Interval = 0.5 Meter)

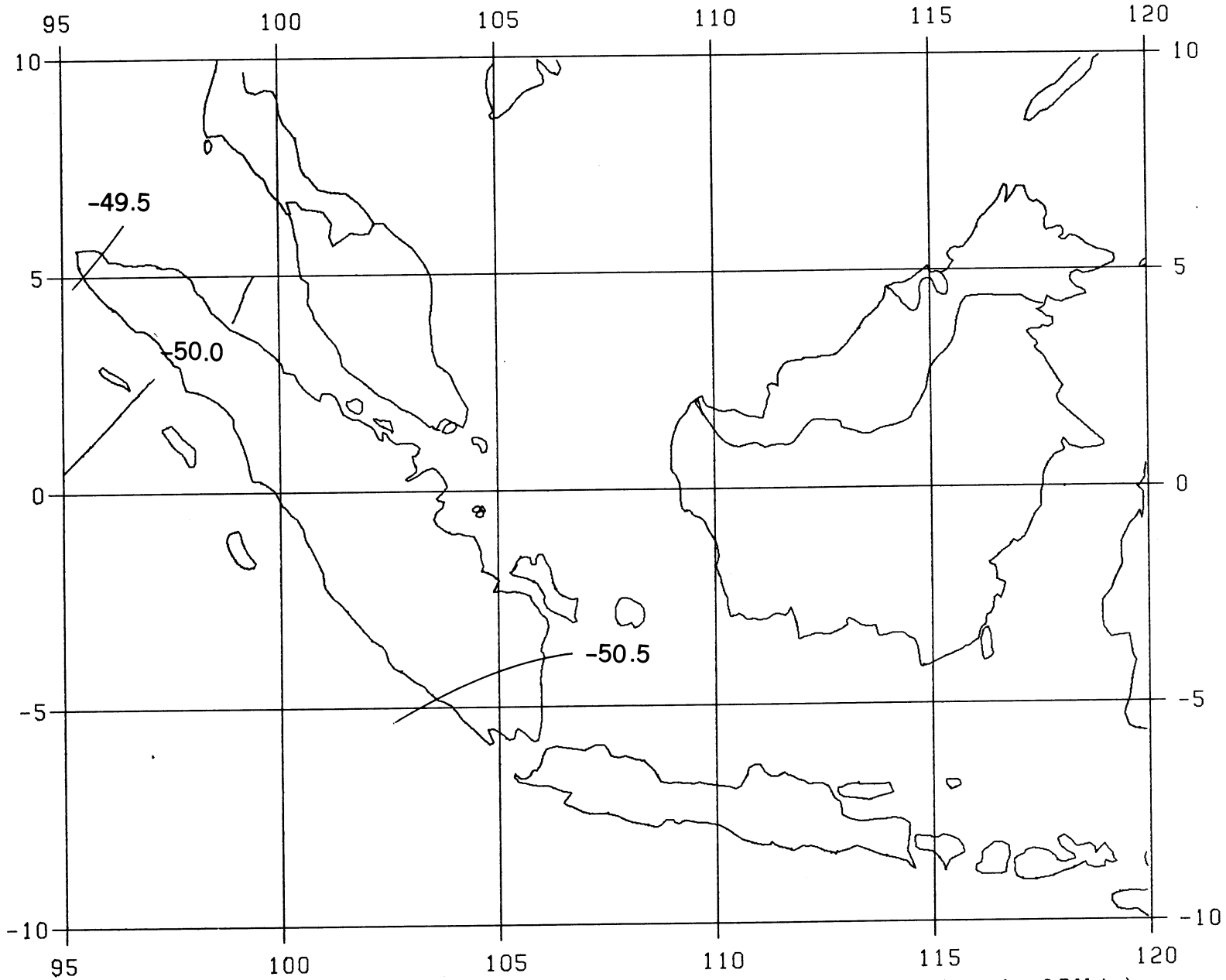

Figure 14.33. Contour Chart - Djakarta Datum to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 0.5 Meter)

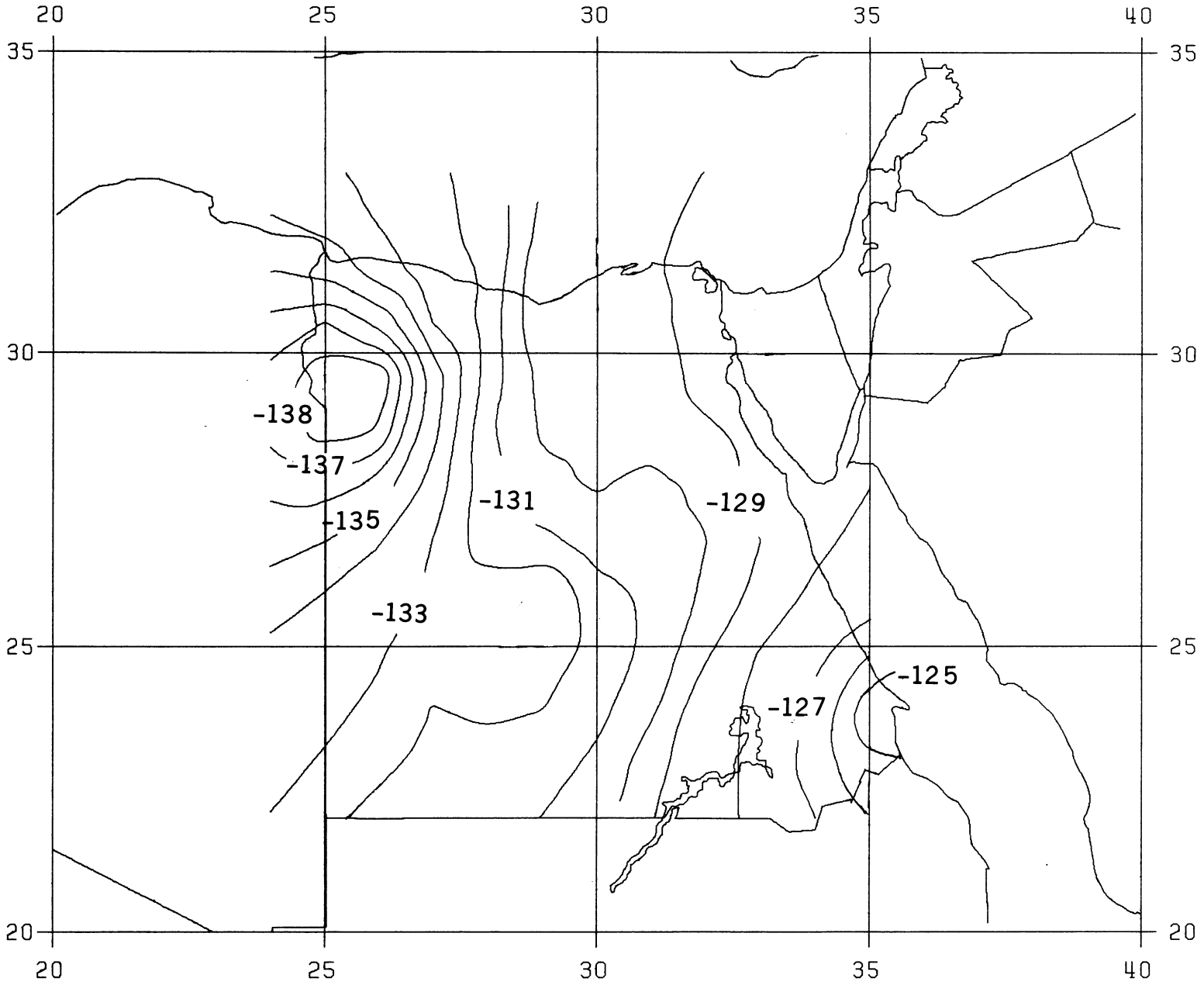

Figure 14.34. Contour Chart - ED 50 (Egypt) to WGS 84 Datum Shifts, ΔX Component (Contour Interval = 1 Meter)

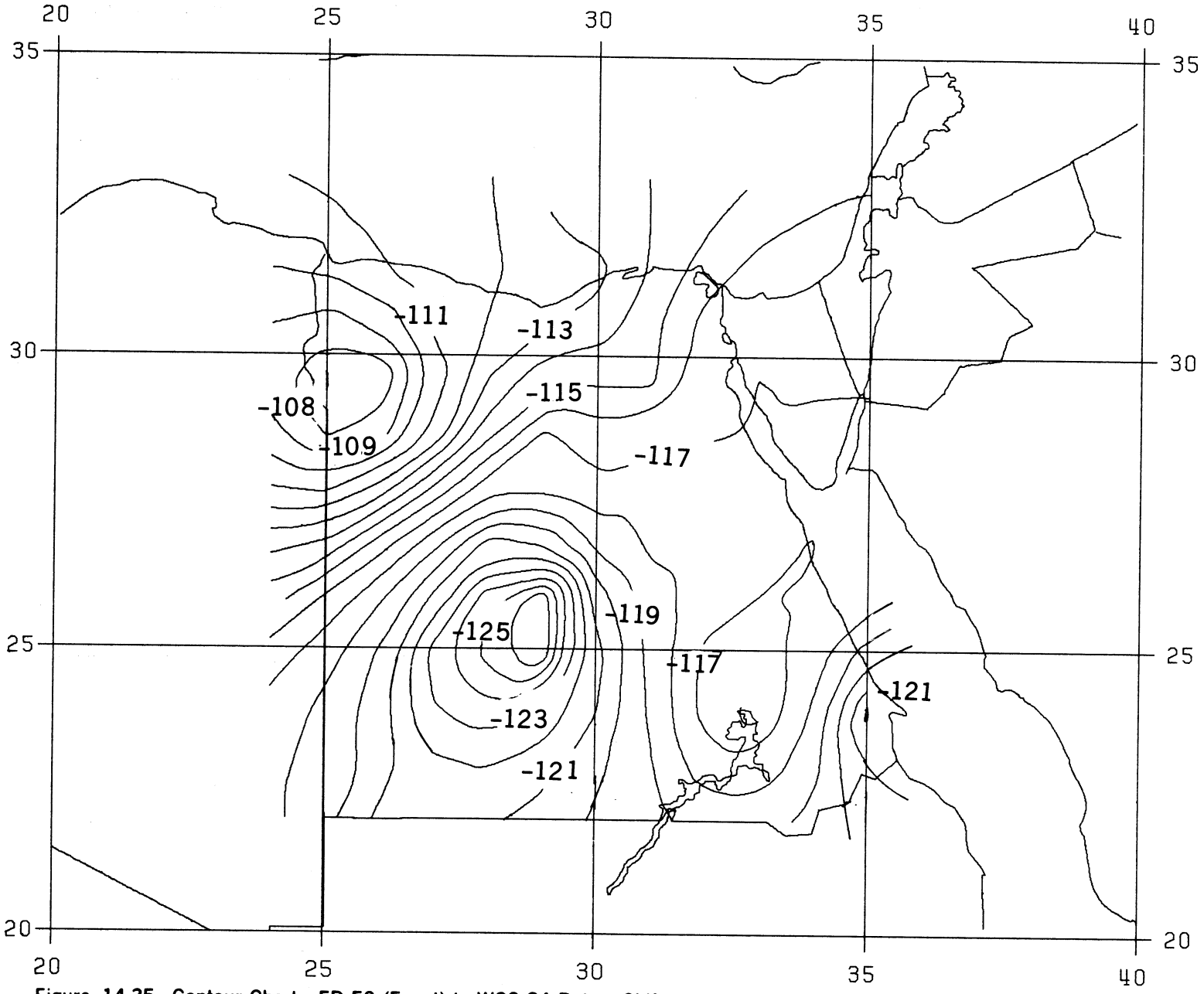

Figure 14.35. Contour Chart - ED 50 (Egypt) to WGS 84 Datum Shifts, ΔY Component (Contour Interval = 1 Meter)

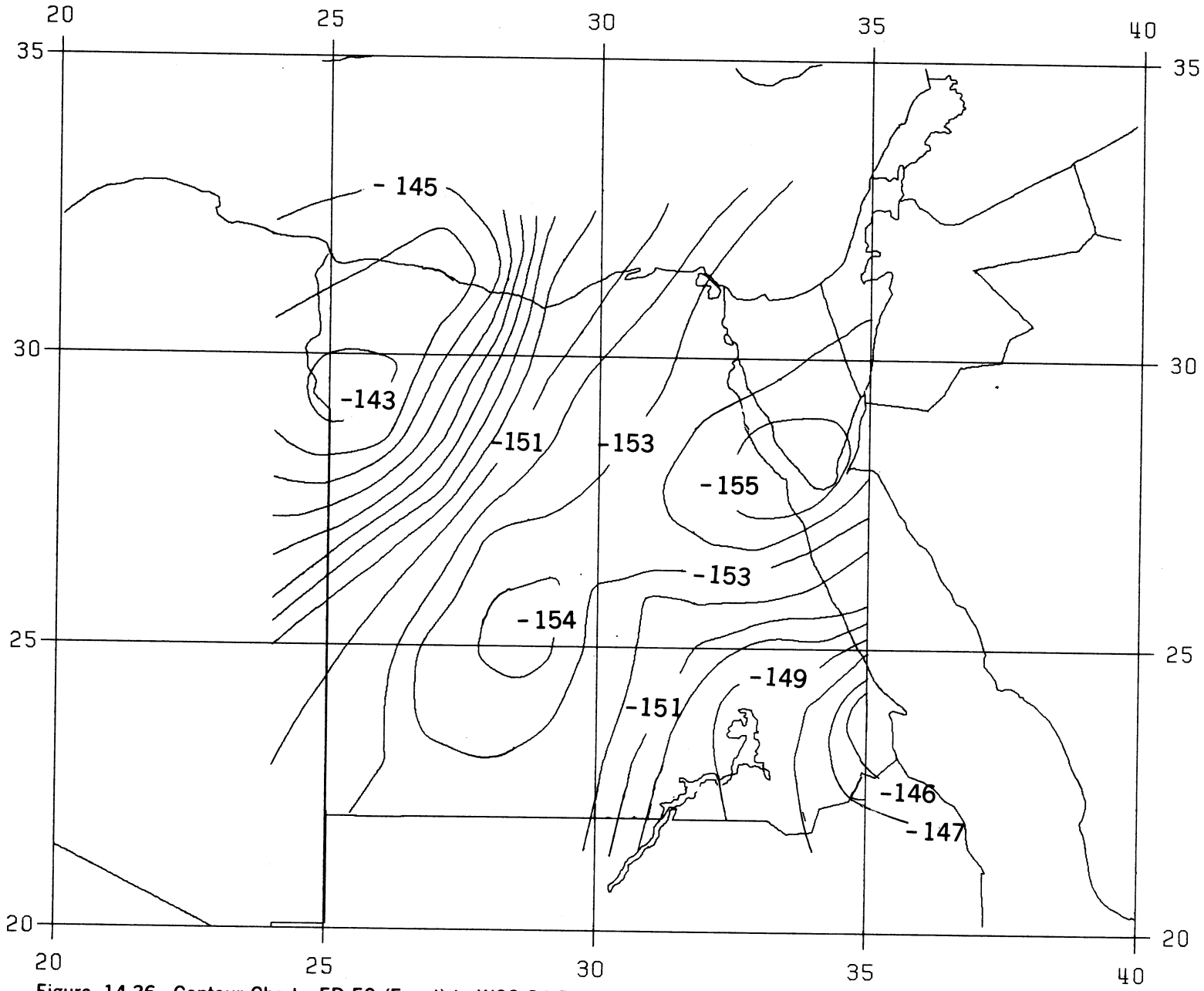

Figure 14.36. Contour Chart - ED 50 (Egypt) to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 1 Meter)

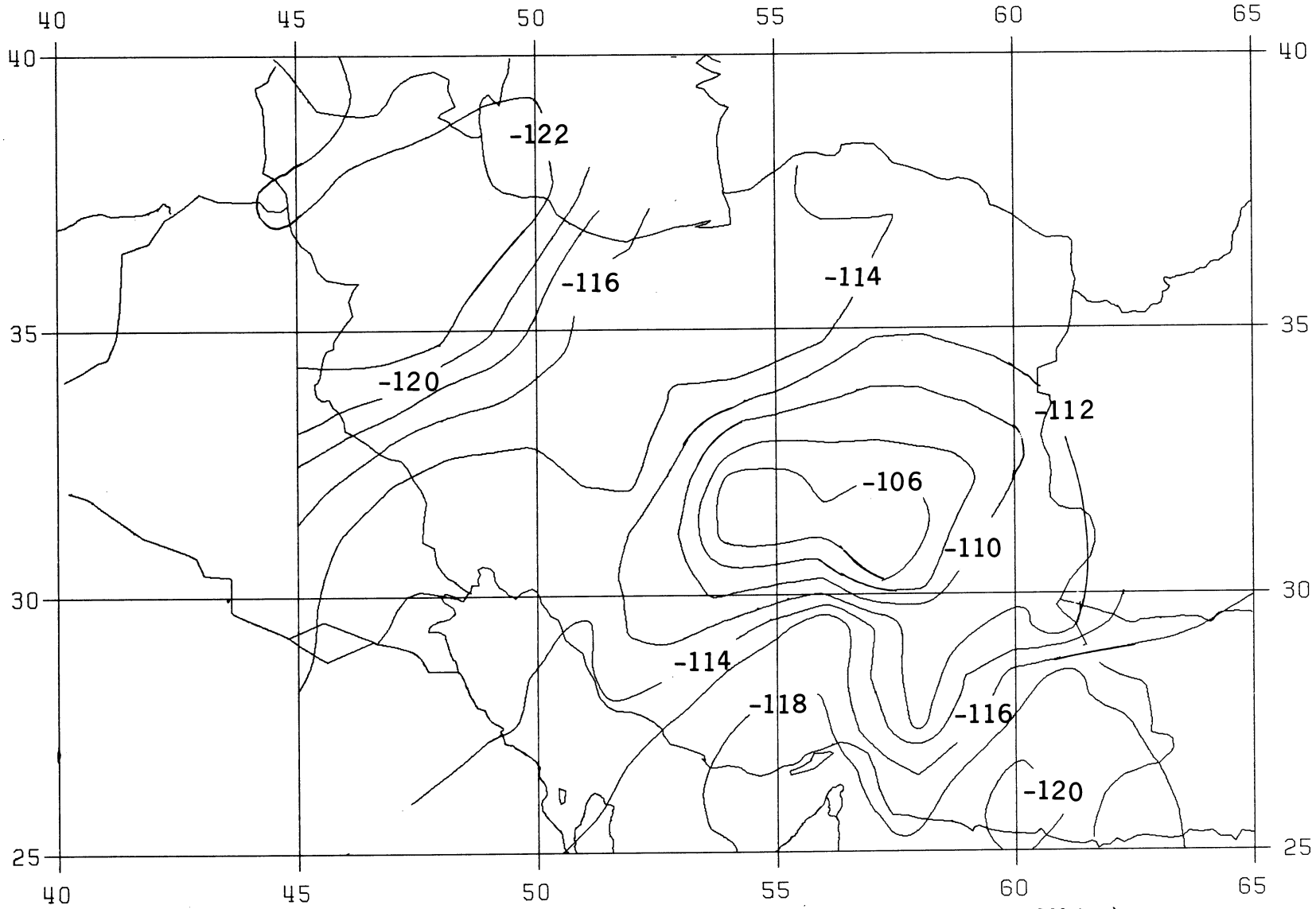

Figure 14.37. Contour Chart - ED 50 (Iran) to WGS 84 Datum Shifts, ΔX Component (Contour Interval = 2 Meters)

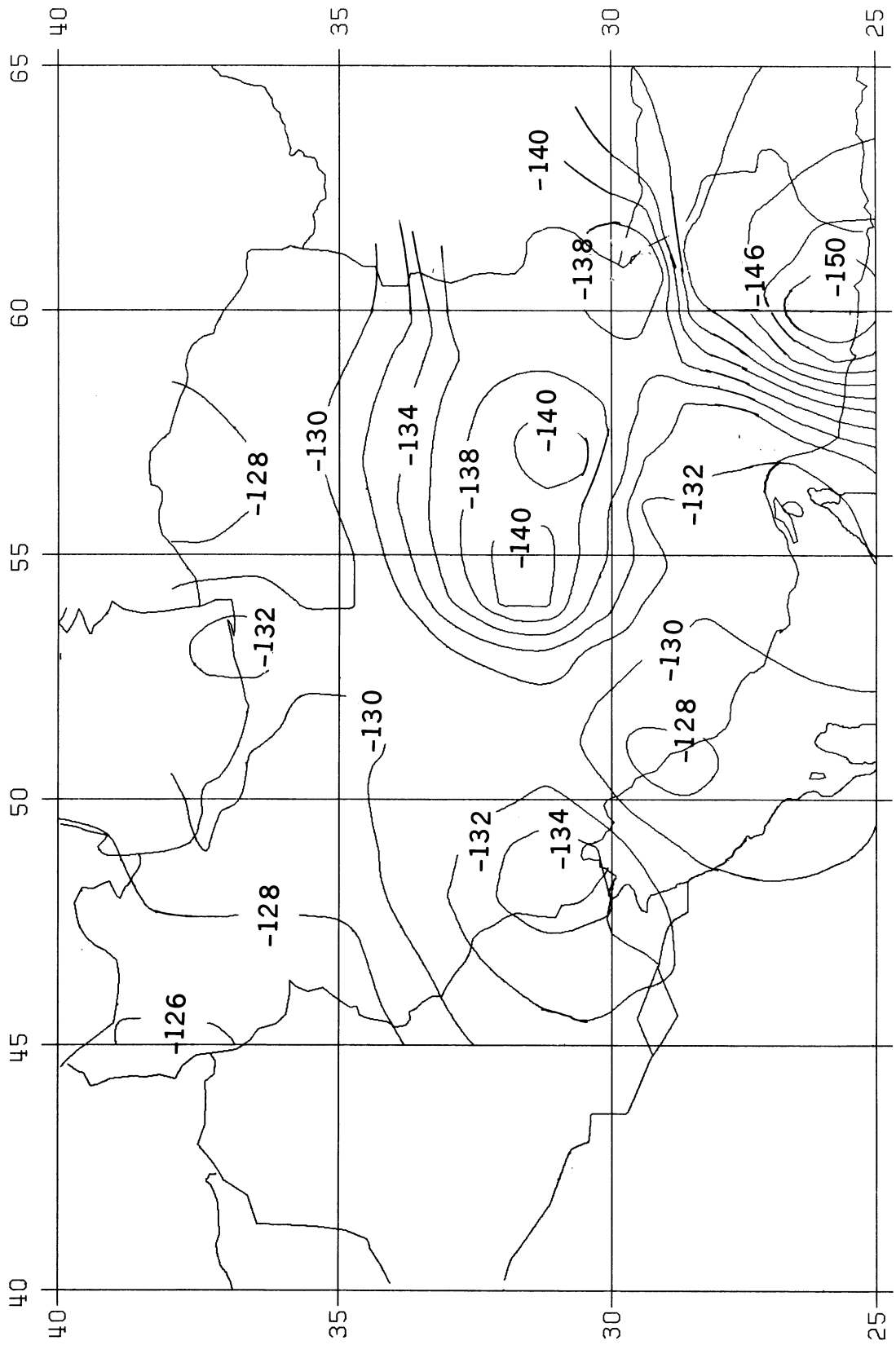

Figure 14.38. Contour Chart – ED 50 (Iran) to WGS 84 Datum Shifts, ΔY Component (Contour Interval = 2 Meters)

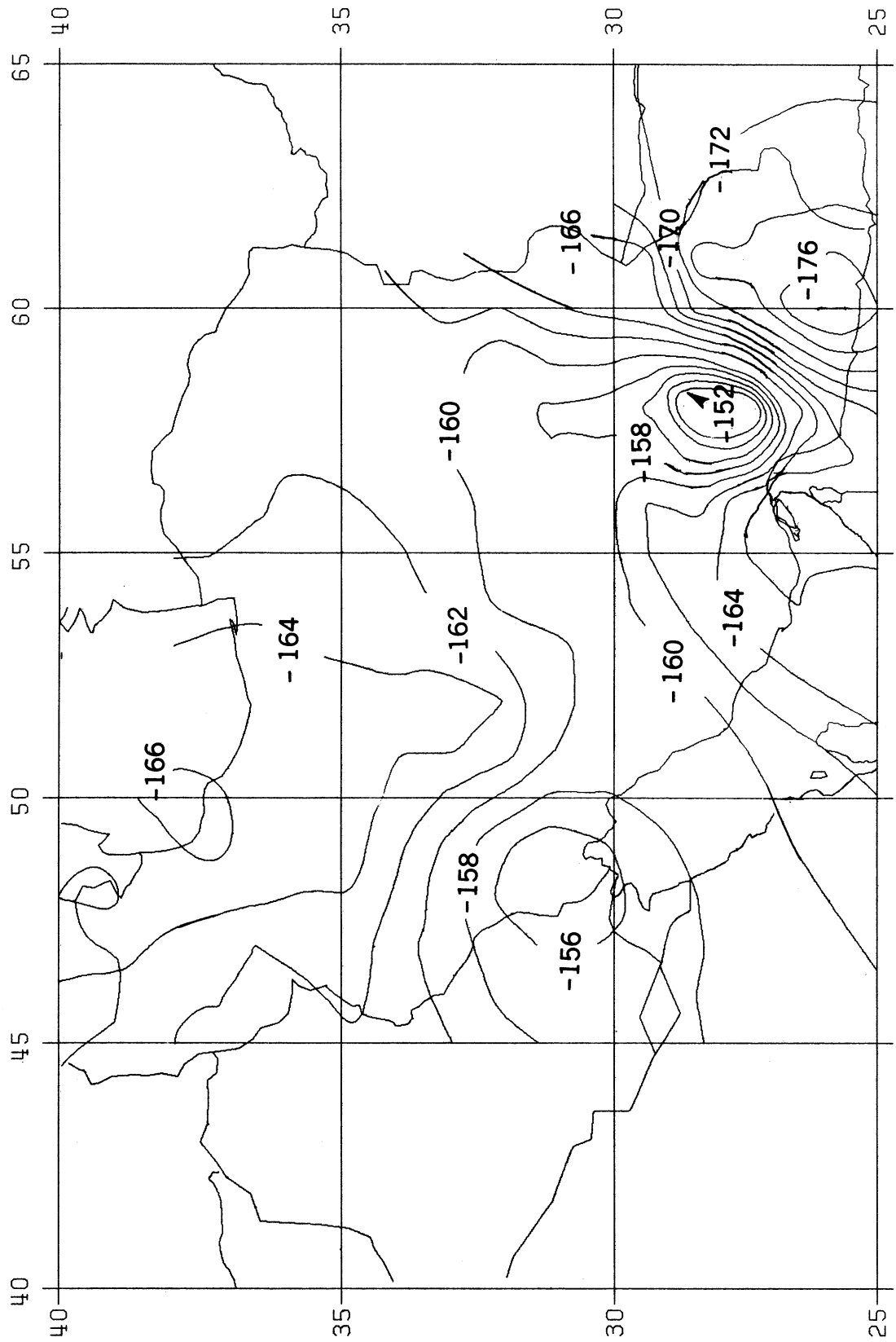

Figure 14.39. Contour Chart - ED 50 (Iran) to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 2 Meters)

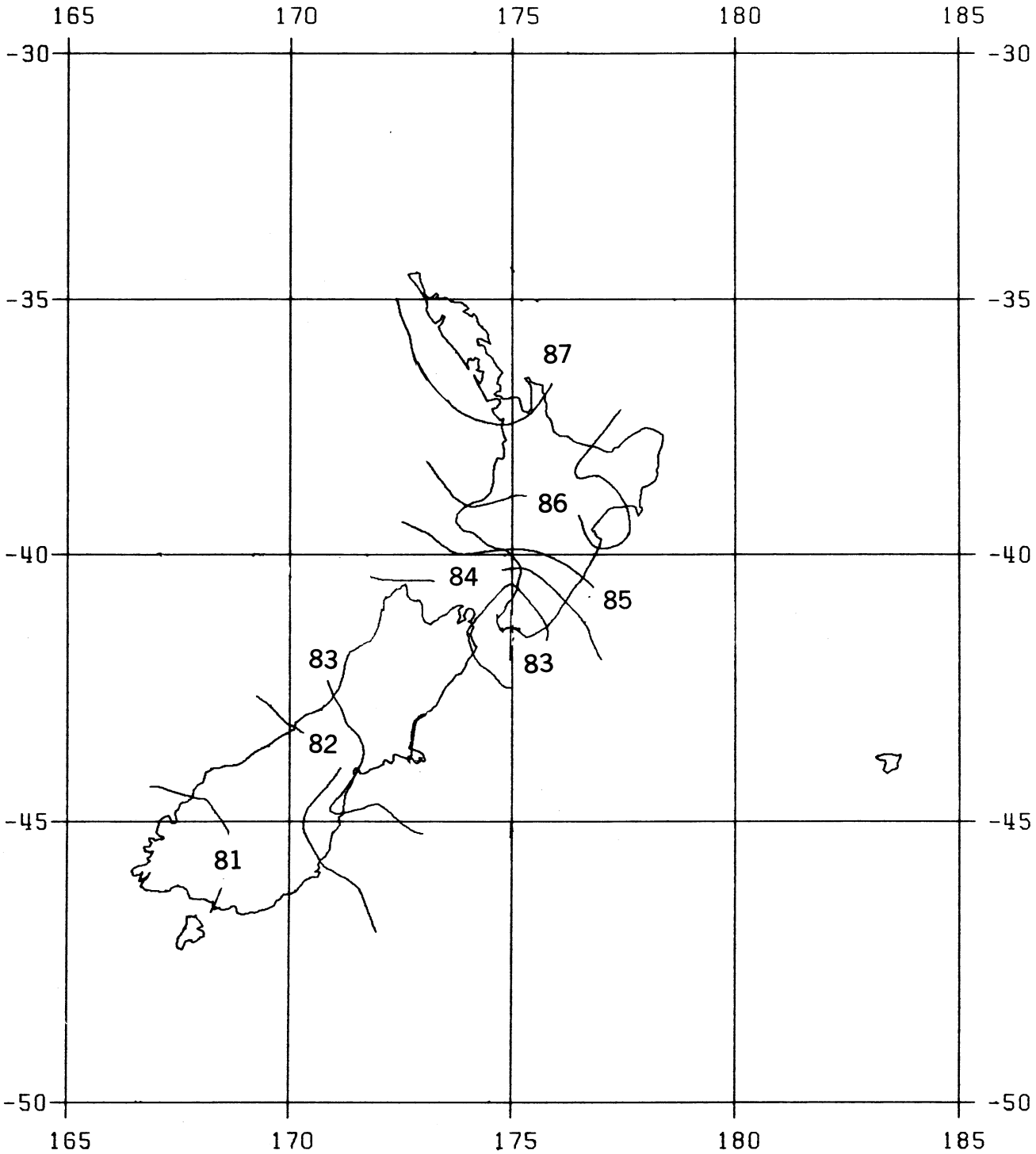

Figure 14.40. Contour Chart - Geodetic Datum 1949 to WGS 84 Datum Shifts, ΔX Component (Contour Interval = 1 Meter)

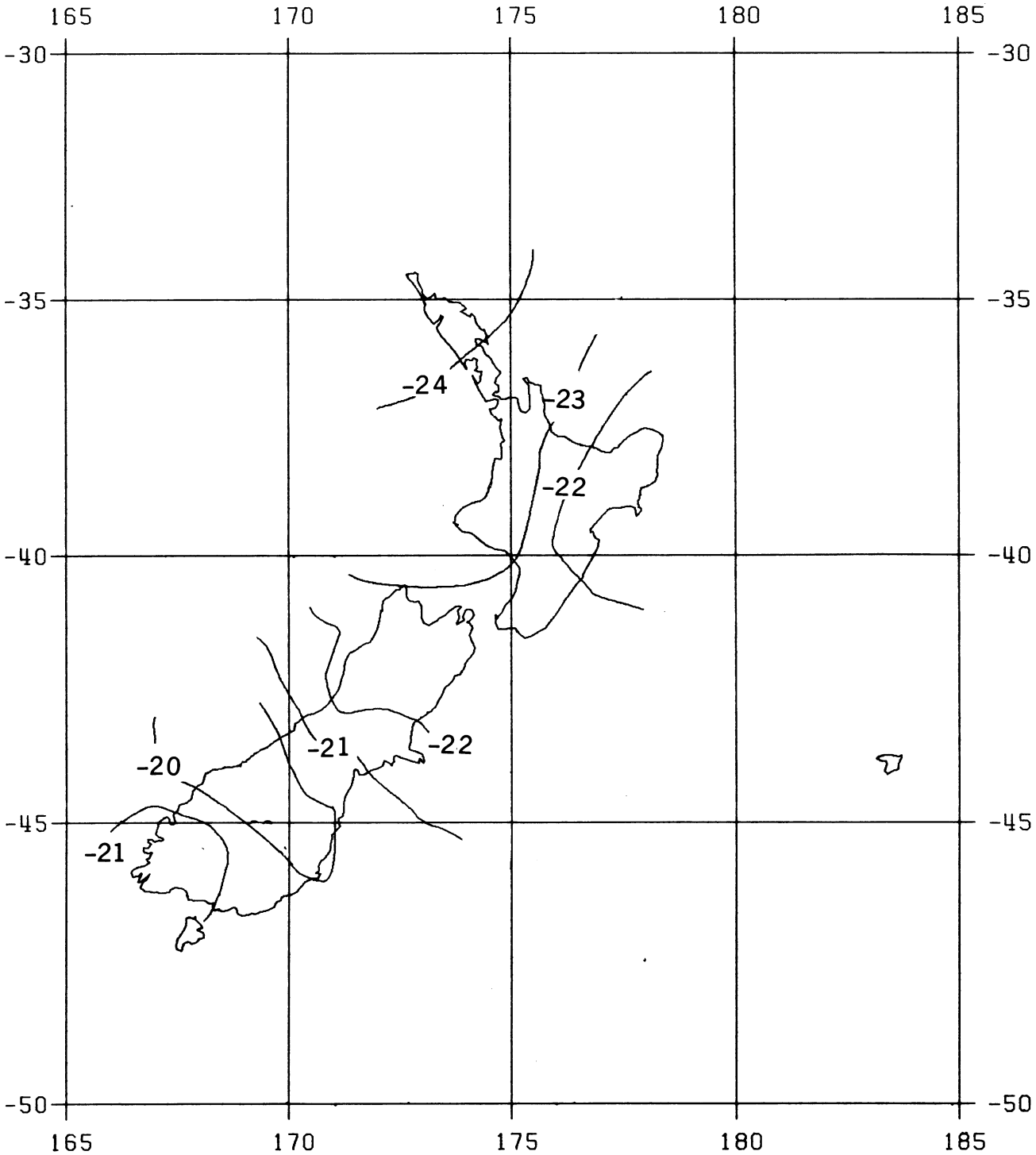

Figure 14.41. Contour Chart - Geodetic Datum 1949 to WGS 84 Datum Shifts, ΔY Component (Contour Interval = 1 Meter)

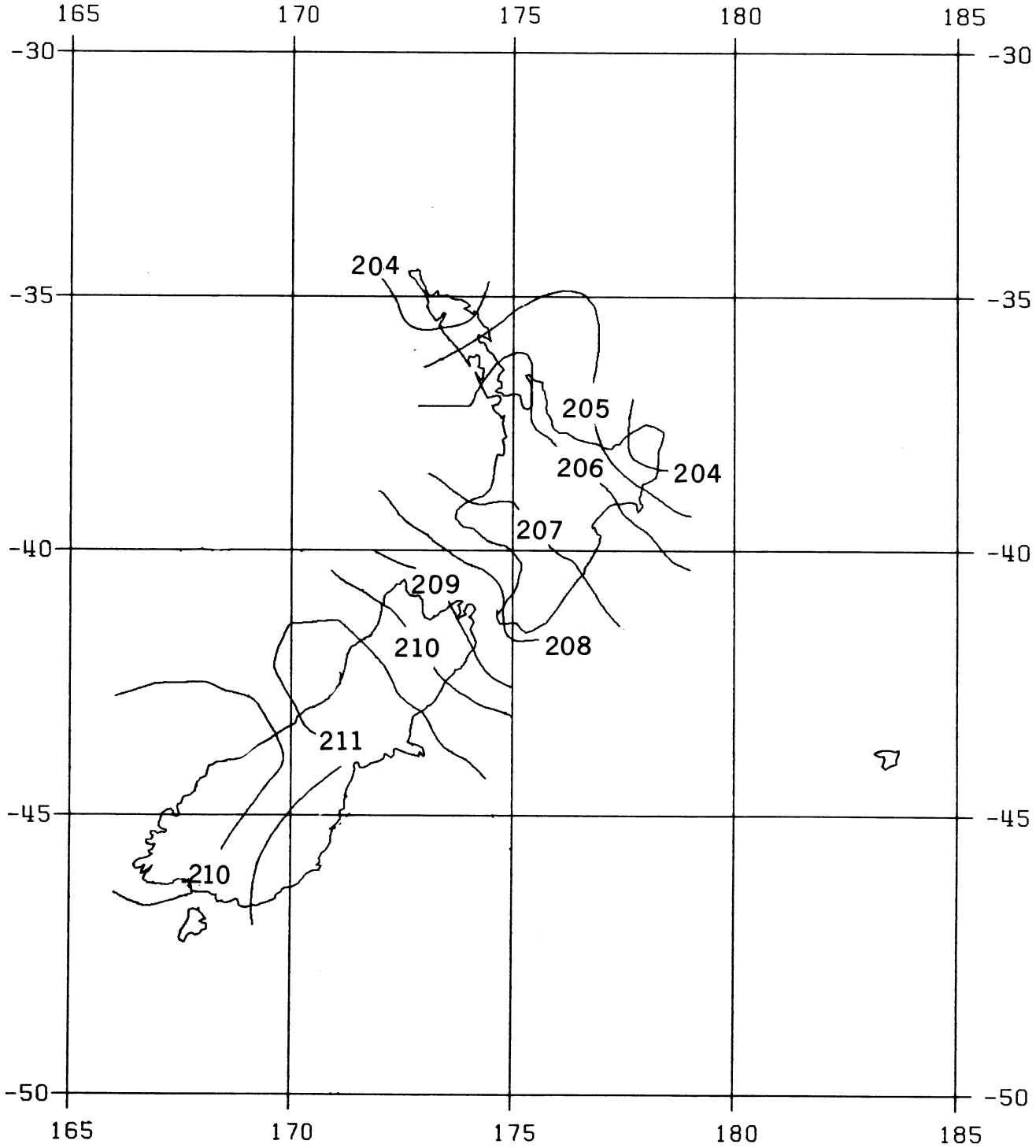

Figure 14.42. Contour Chart - Geodetic Datum 1949 to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 1 Meter)

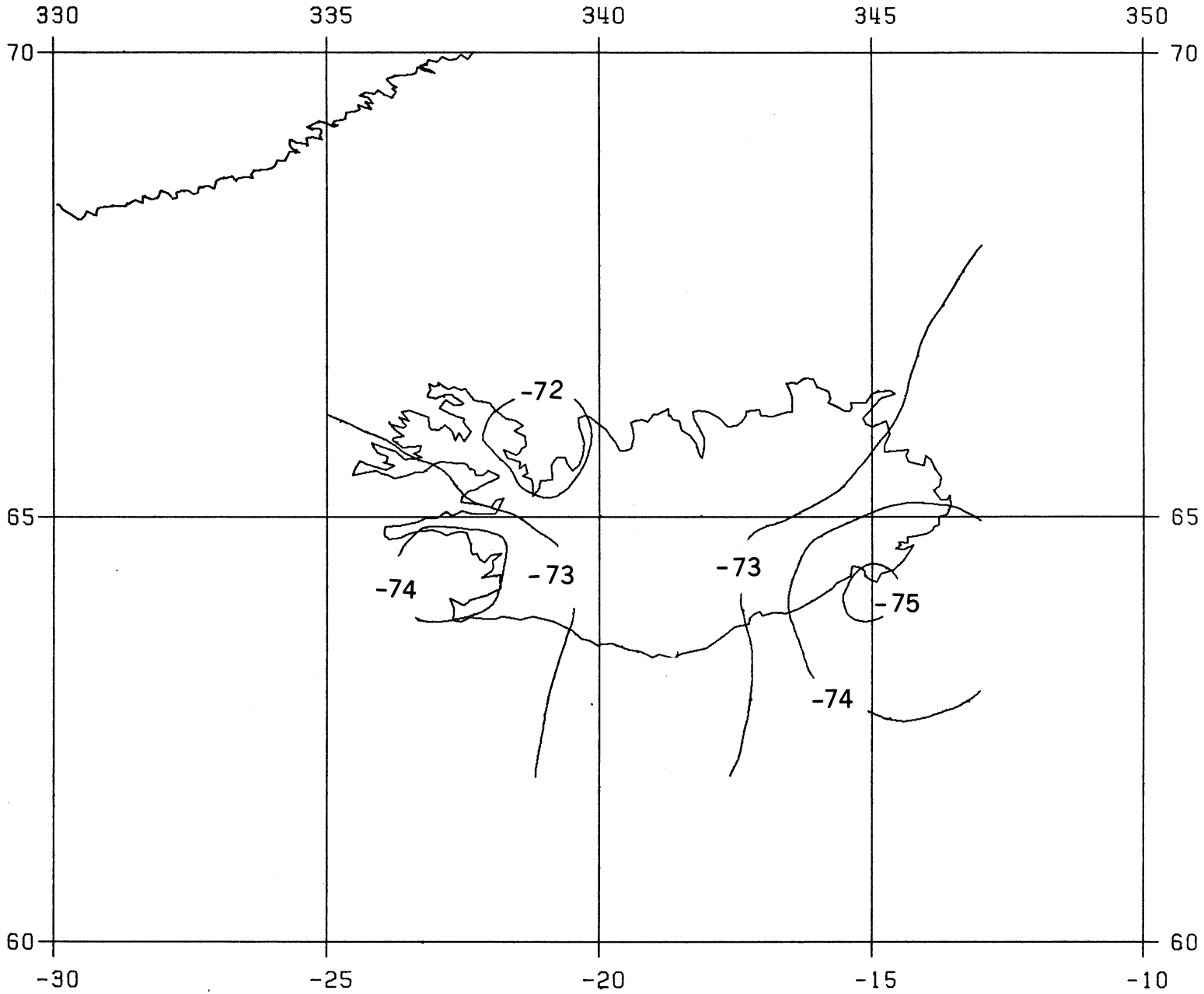

Figure 14.43. Contour Chart - Hjorsey Datum 1955 to WGS 84 Datum Shifts, ΔX Component (Contour Interval = 1 Meter)

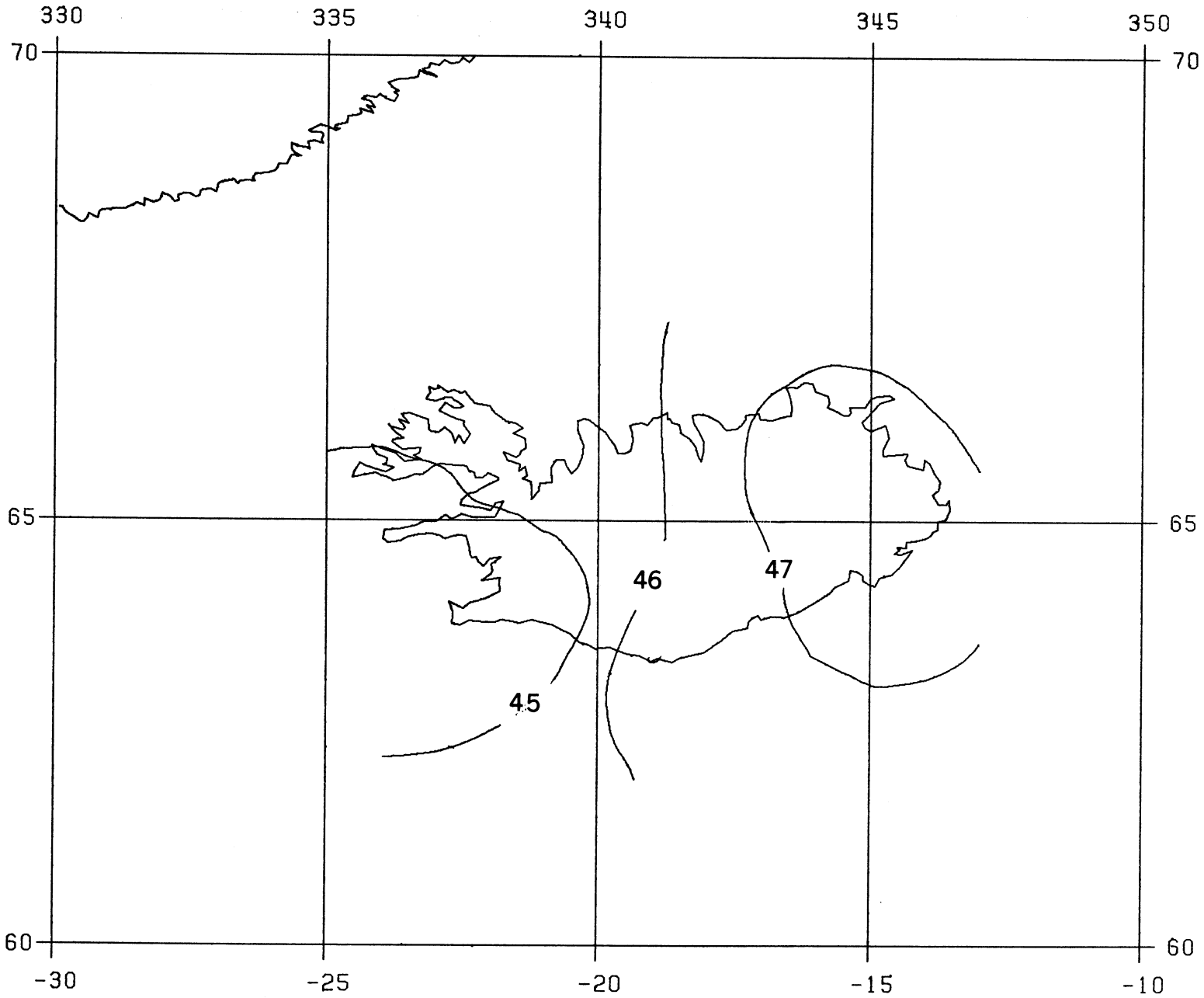

Figure 14.44. Contour Chart - Hjorsey Datum 1955 to WGS 84 Datum Shifts, △Y Component (Contour Interval = 1 Meter)

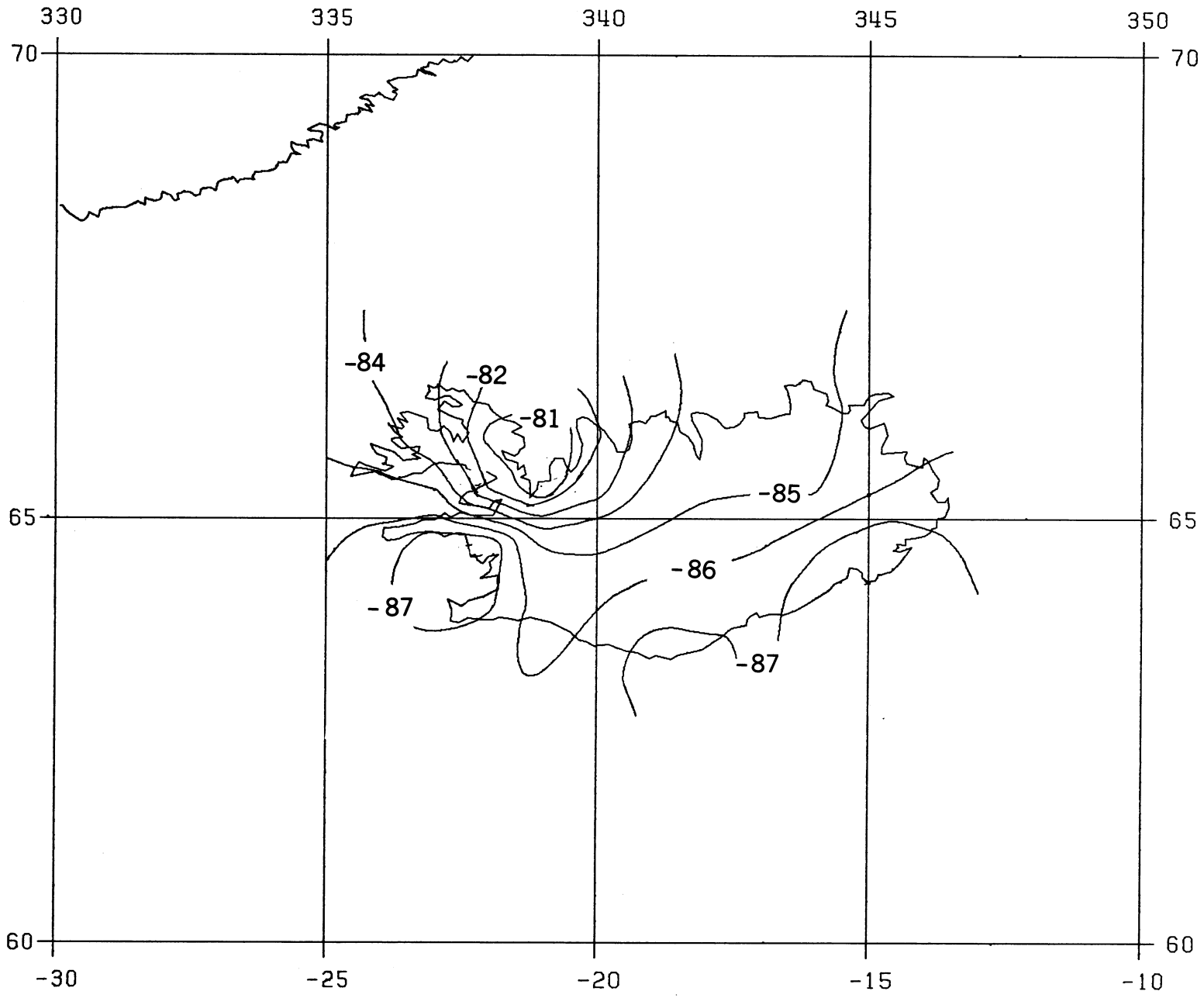

Figure 14.45. Contour Chart - Hjorsey Datum 1955 to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 1 Meter)

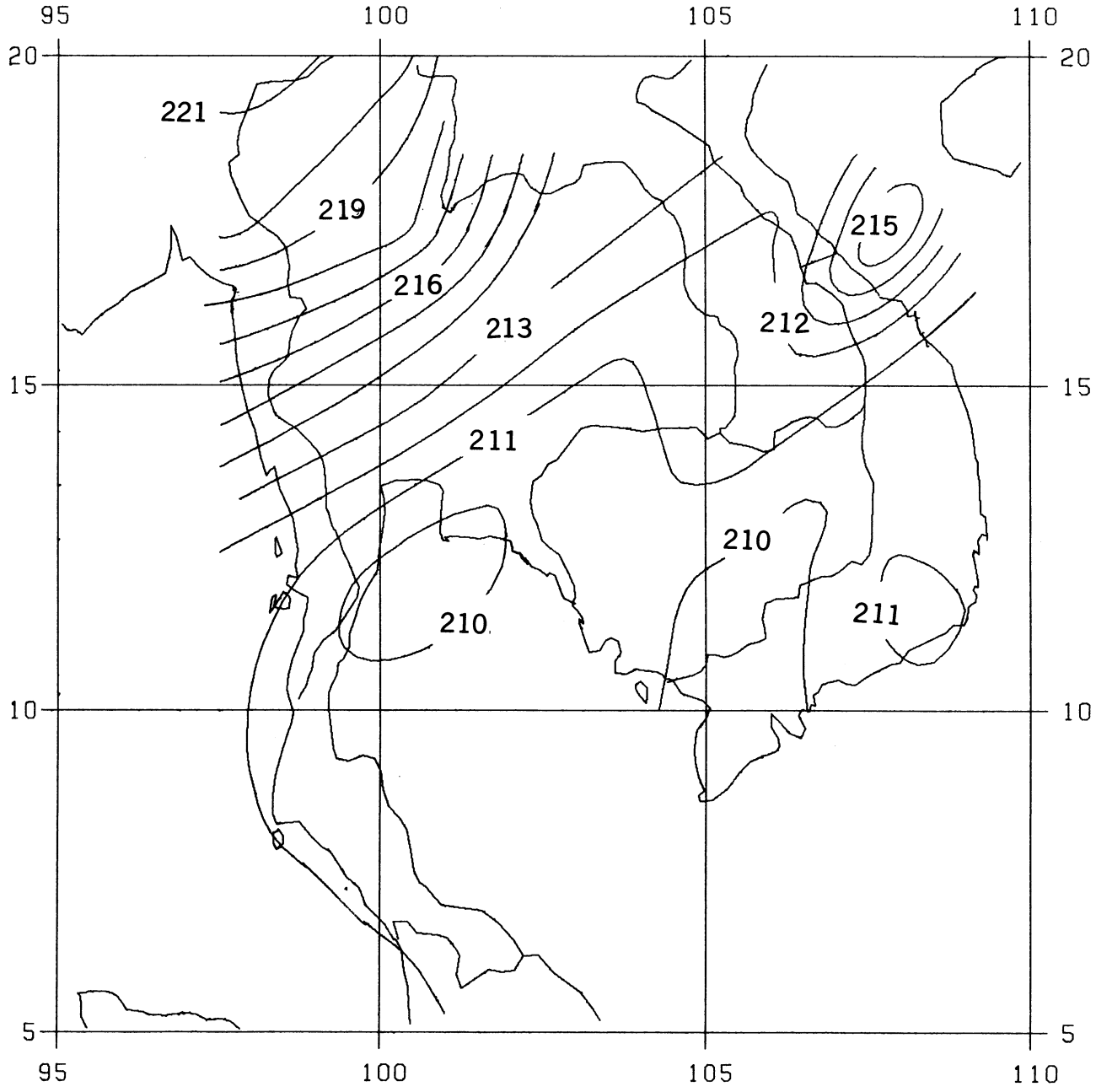

Figure 14.46. Contour Chart - Indian Datum to WGS 84 Datum Shifts, △X Component (Contour Interval = 1 Meter)

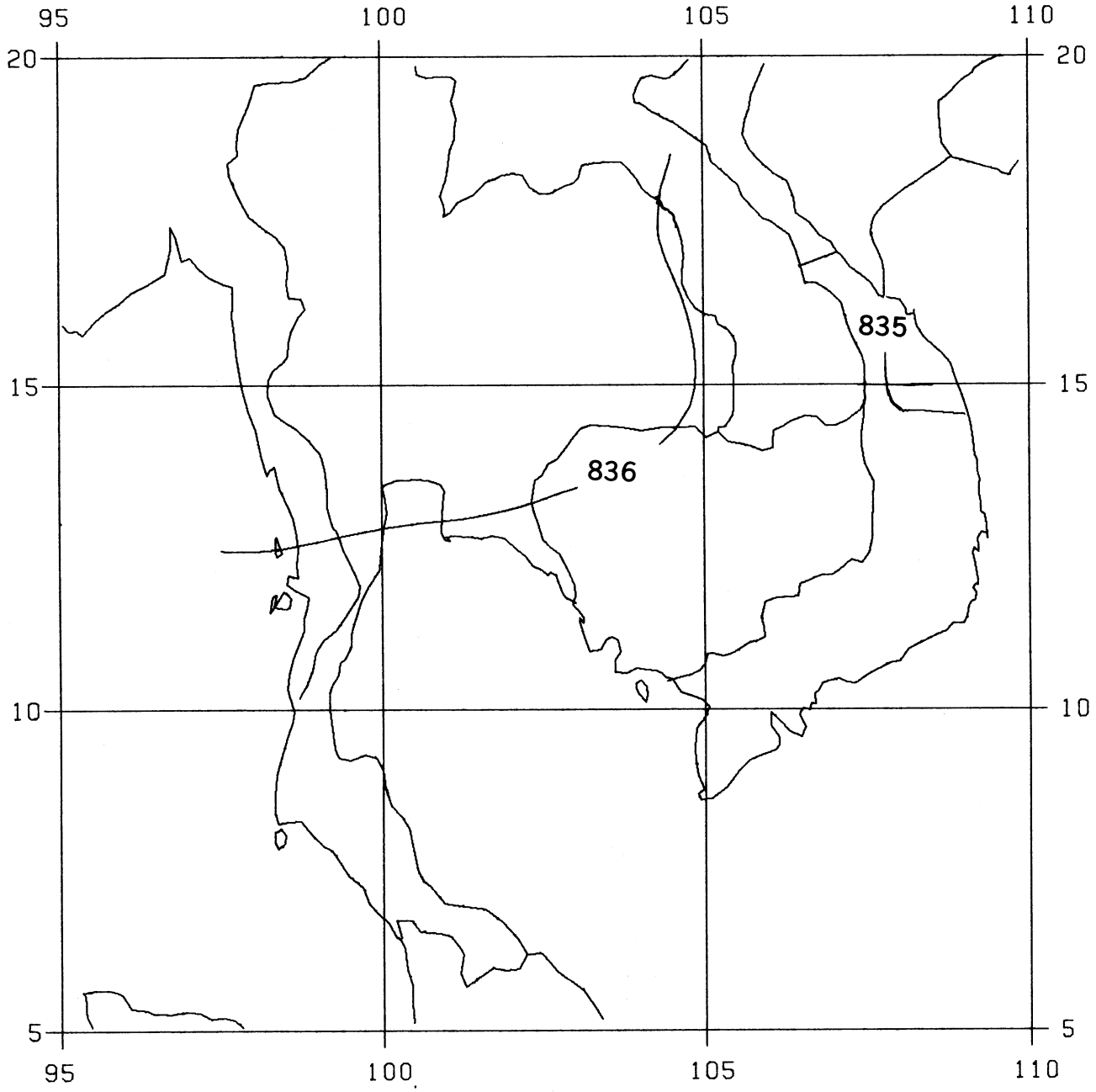

Figure 14.47. Contour Chart - Indian Datum to WGS 84 Datum Shifts, △Y Component (Contour Interval = 1 Meter)

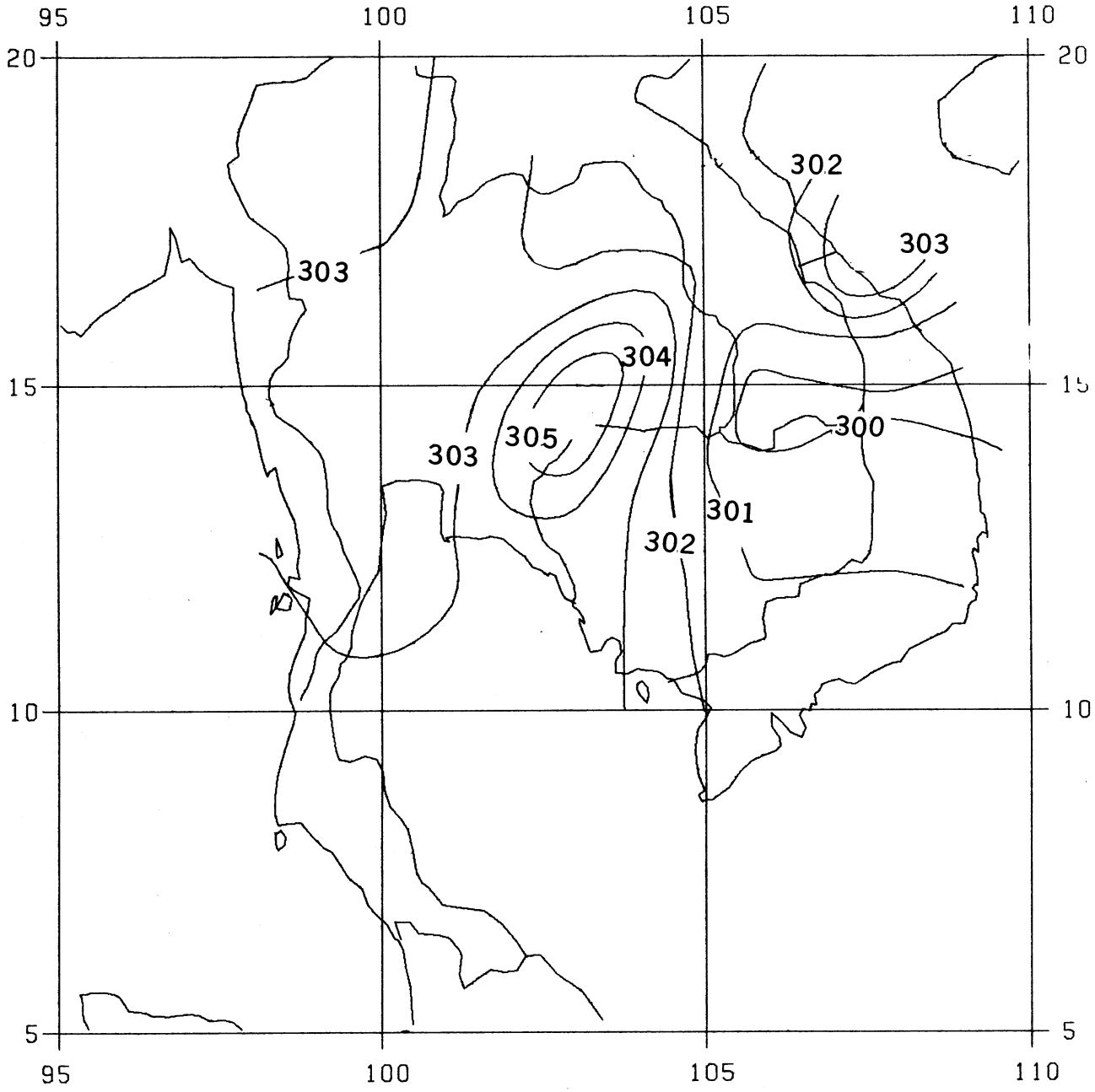

Figure 14.48. Contour Chart – Indian Datum to WGS 84 Datum Shifts, △Z Component (Contour Interval = 1 Meter)

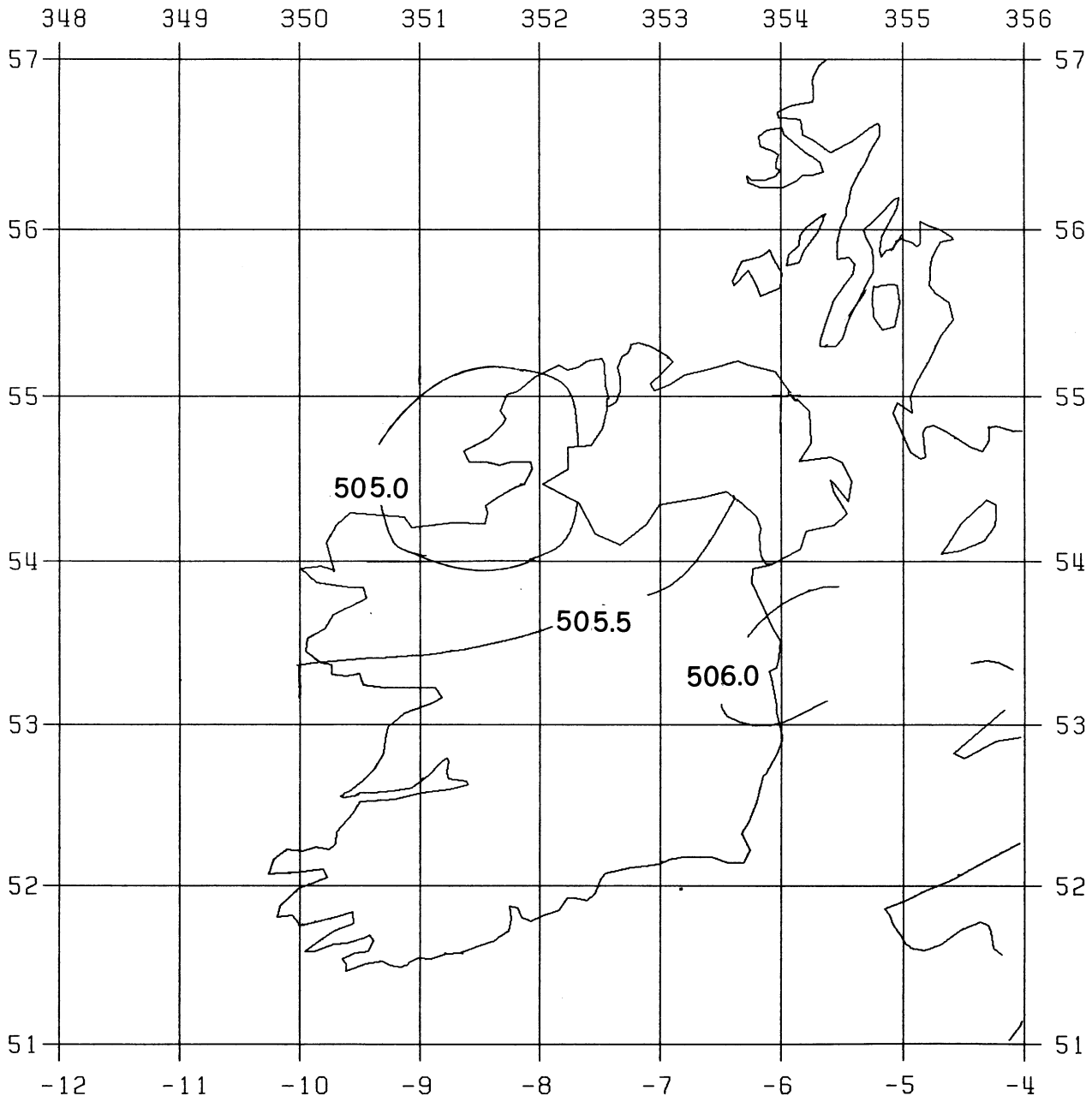

Figure 14.49. Contour Chart - Ireland Datum 1965 to WGS 84 Datum Shifts, ΔX Component (Contour Interval = 0.5 Meter)

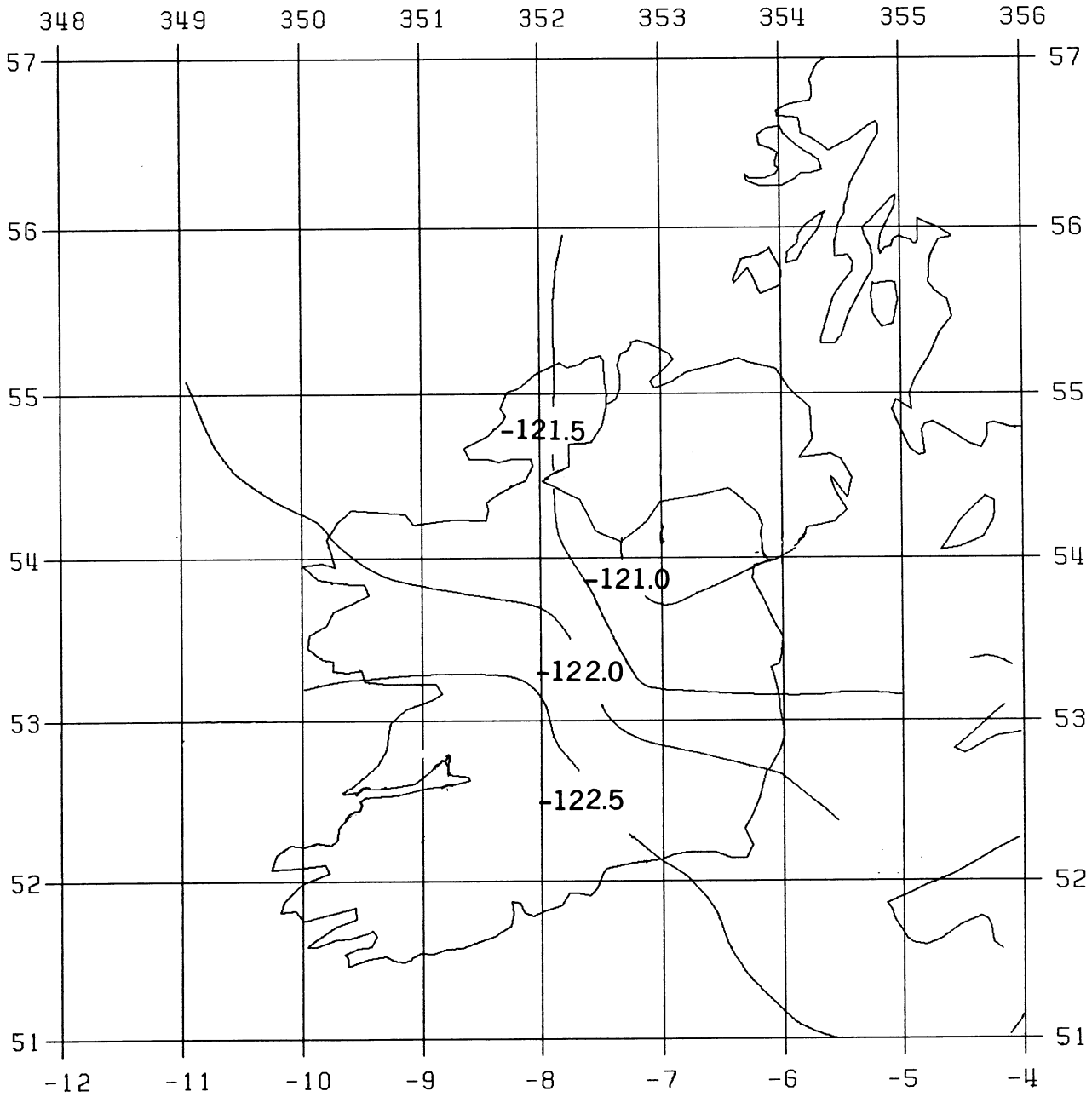

Figure 14.50. Contour Chart – Ireland Datum 1965 to WGS 84 Datum Shifts, △Y Component (Contour Interval = 0.5 Meter)

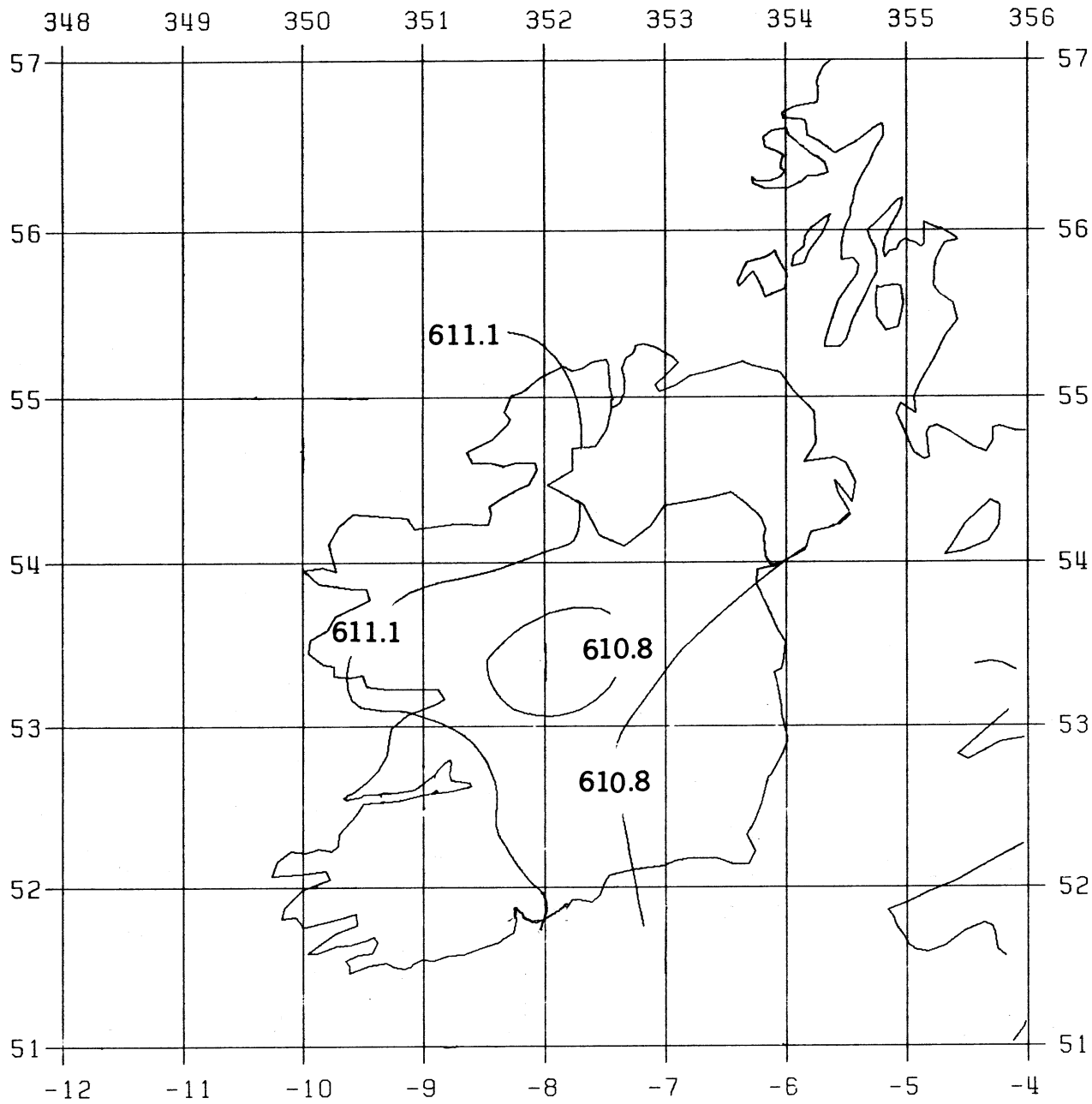

Figure 14.51. Contour Chart - Ireland Datum 1965 to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 0.3 Meter)

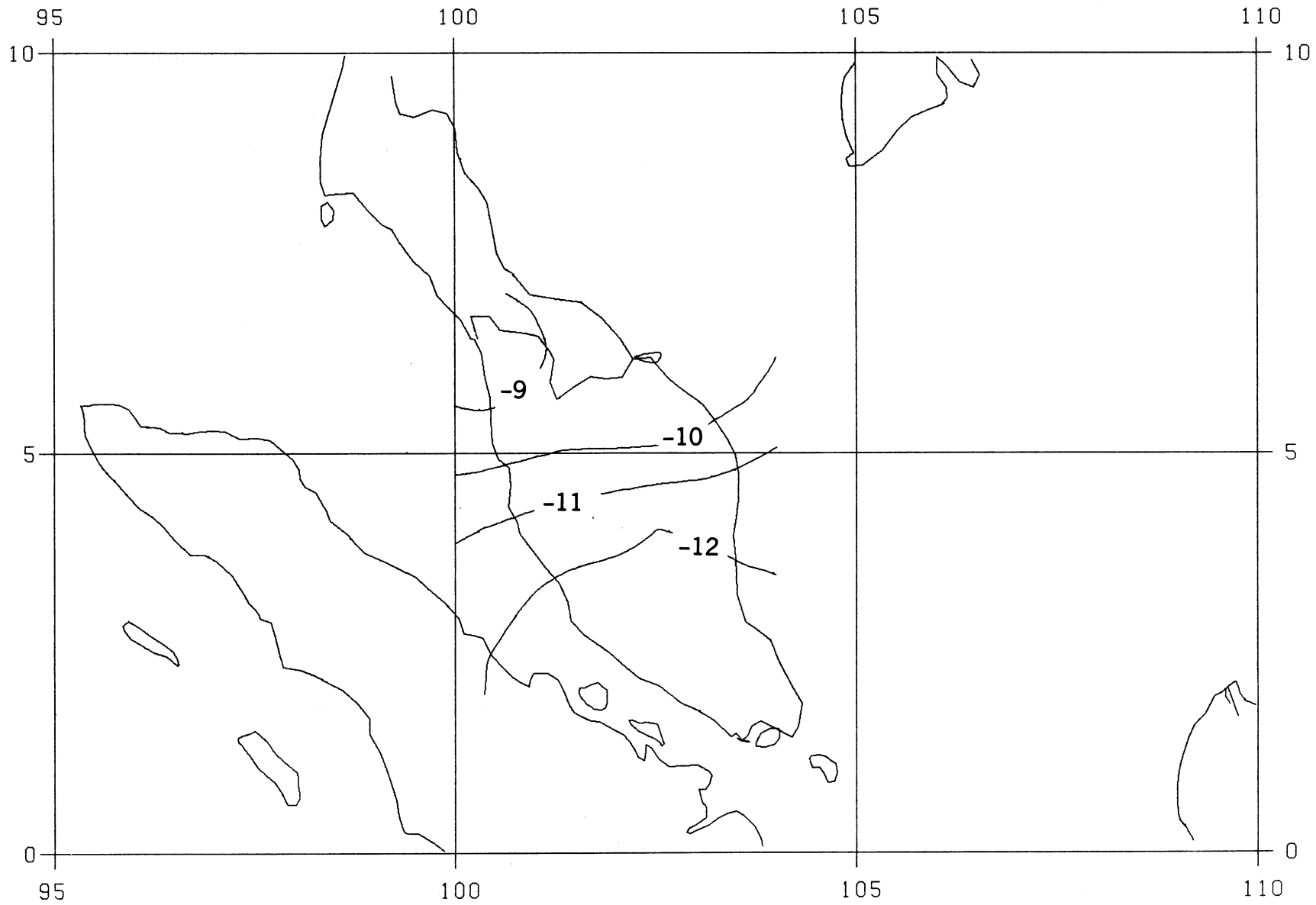

Figure 14.52. Contour Chart - Kertau Datum 1948 to WGS 84 Datum Shifts, △X Component (Contour Interval = 1 Meter)

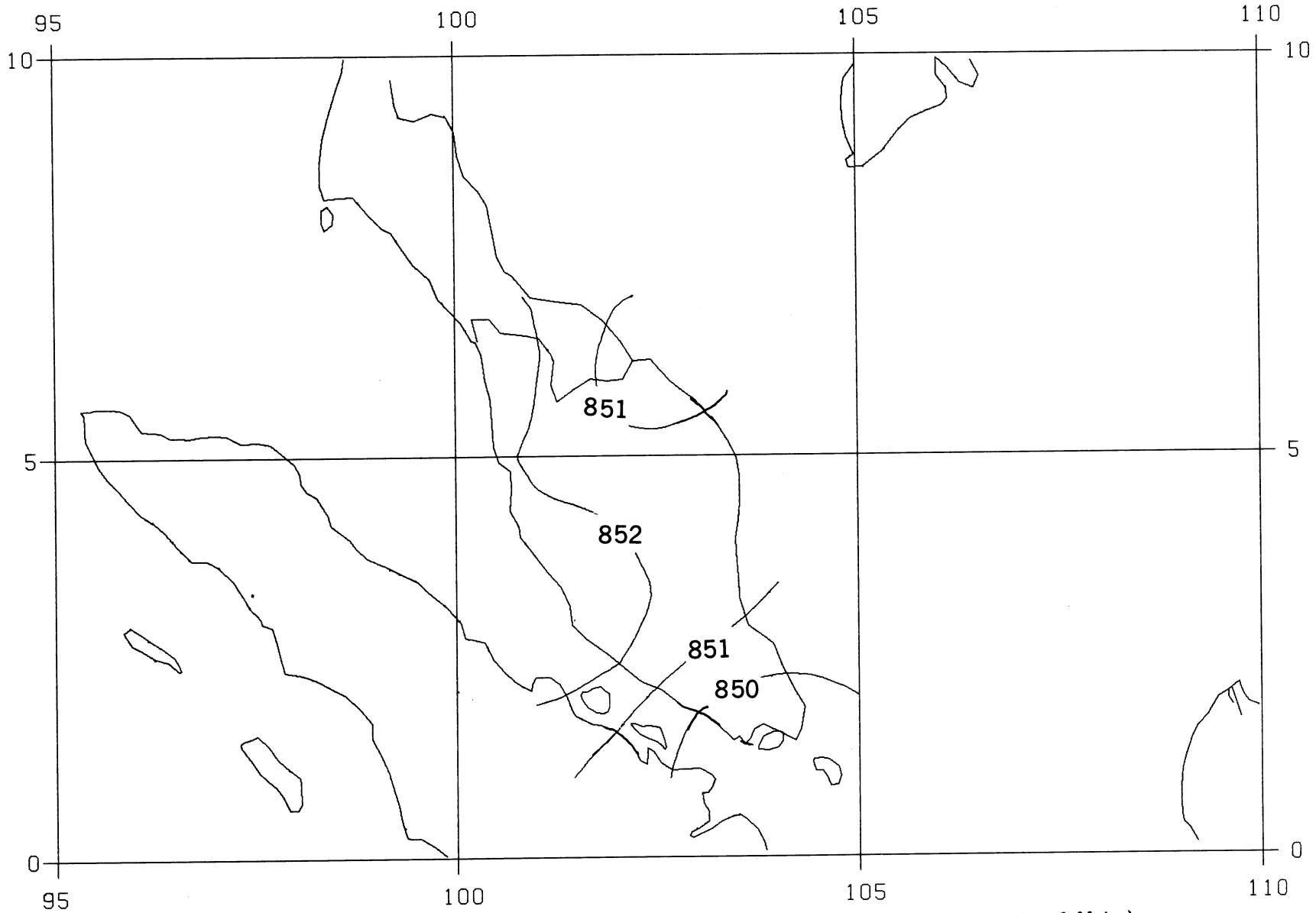

Figure 14.53. Contour Chart - Kertau Datum 1948 to WGS 84 Datum Shifts, ΔY Component (Contour Interval = 1 Meter)

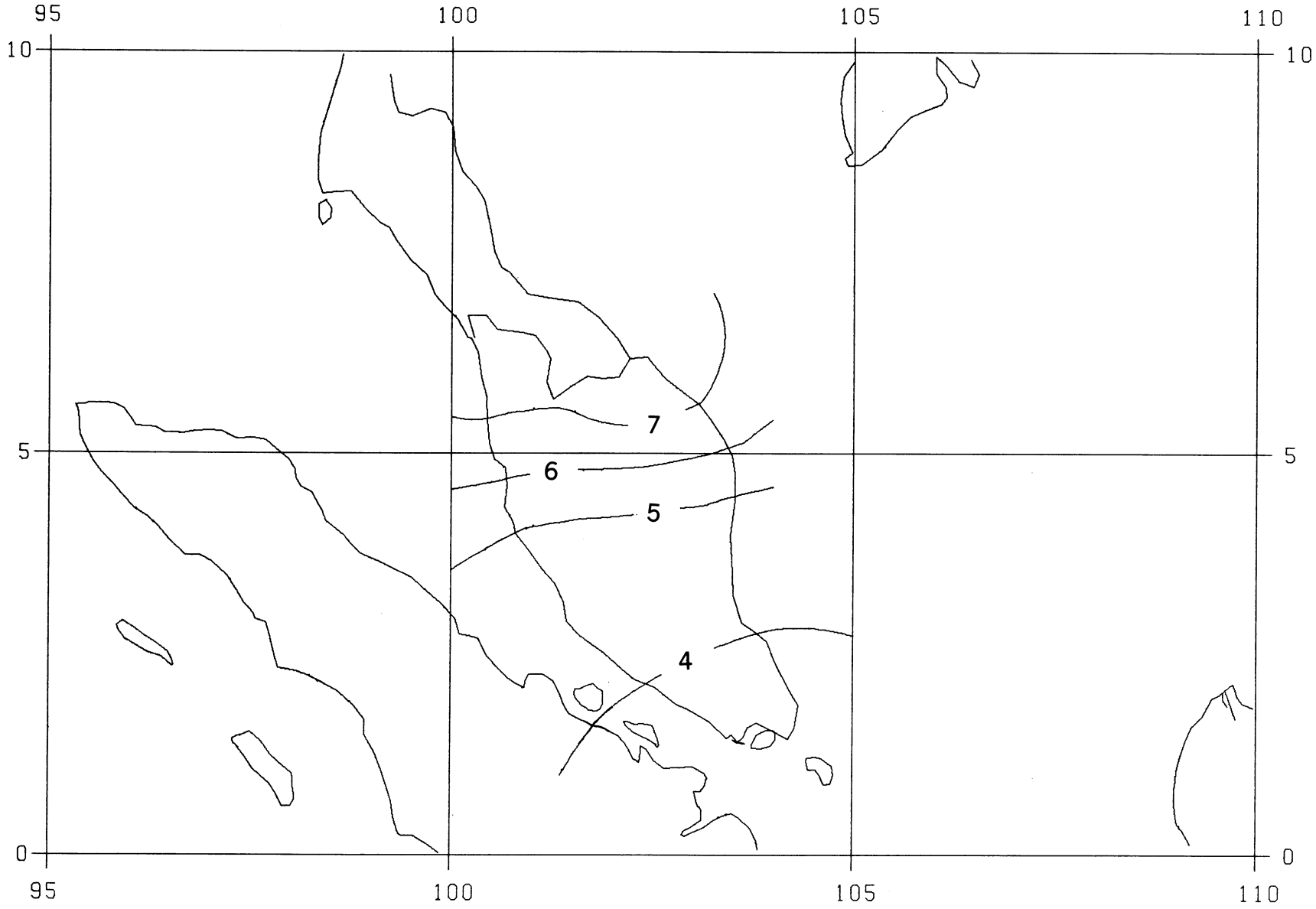

Figure 14.54. Contour Chart - Kertau Datum 1948 to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 1 Meter)

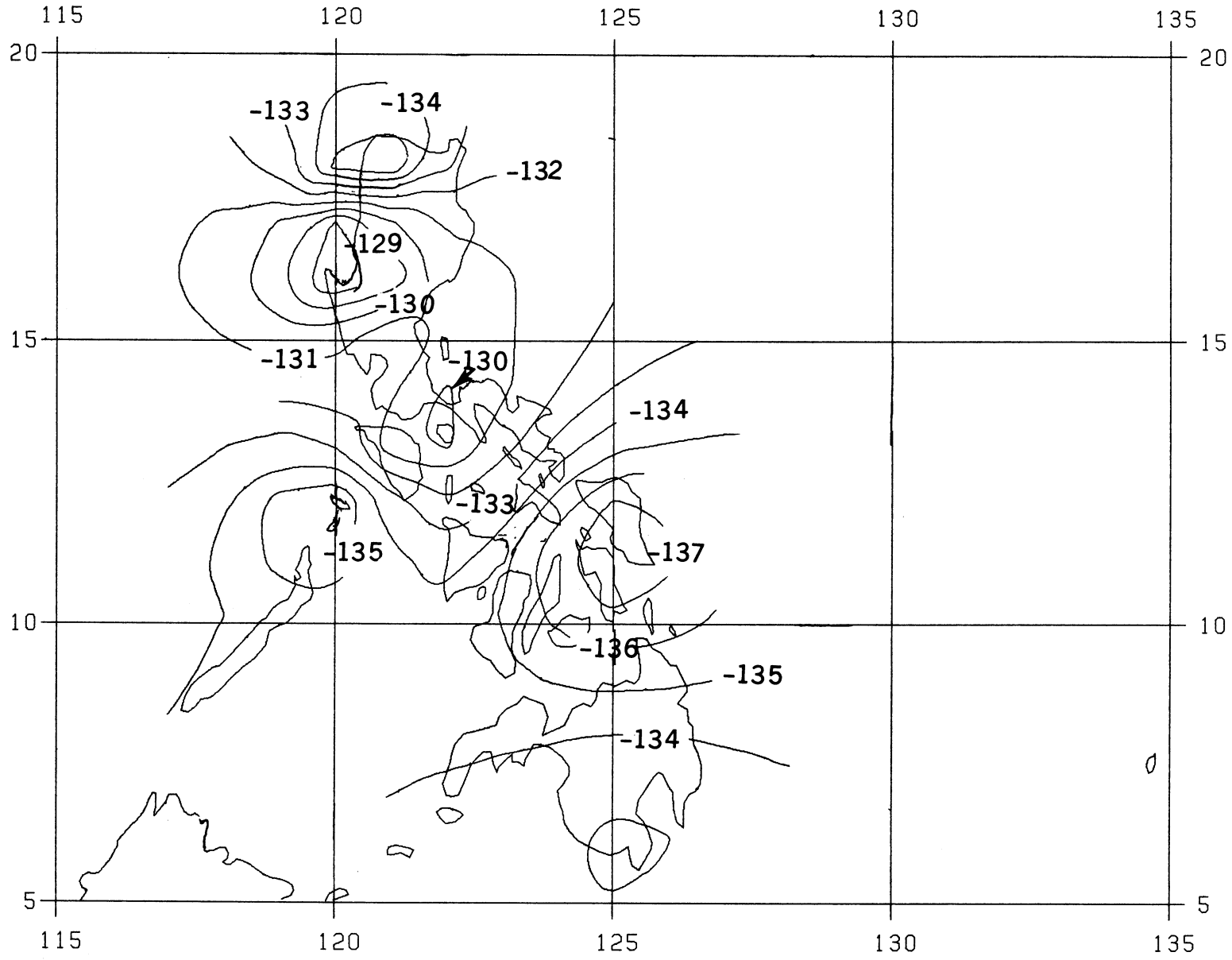

Figure 14.55. Contour Chart – Luzon Datum to WGS 84 Datum Shifts, ΔX Component (Contour Interval = 1 Meter)

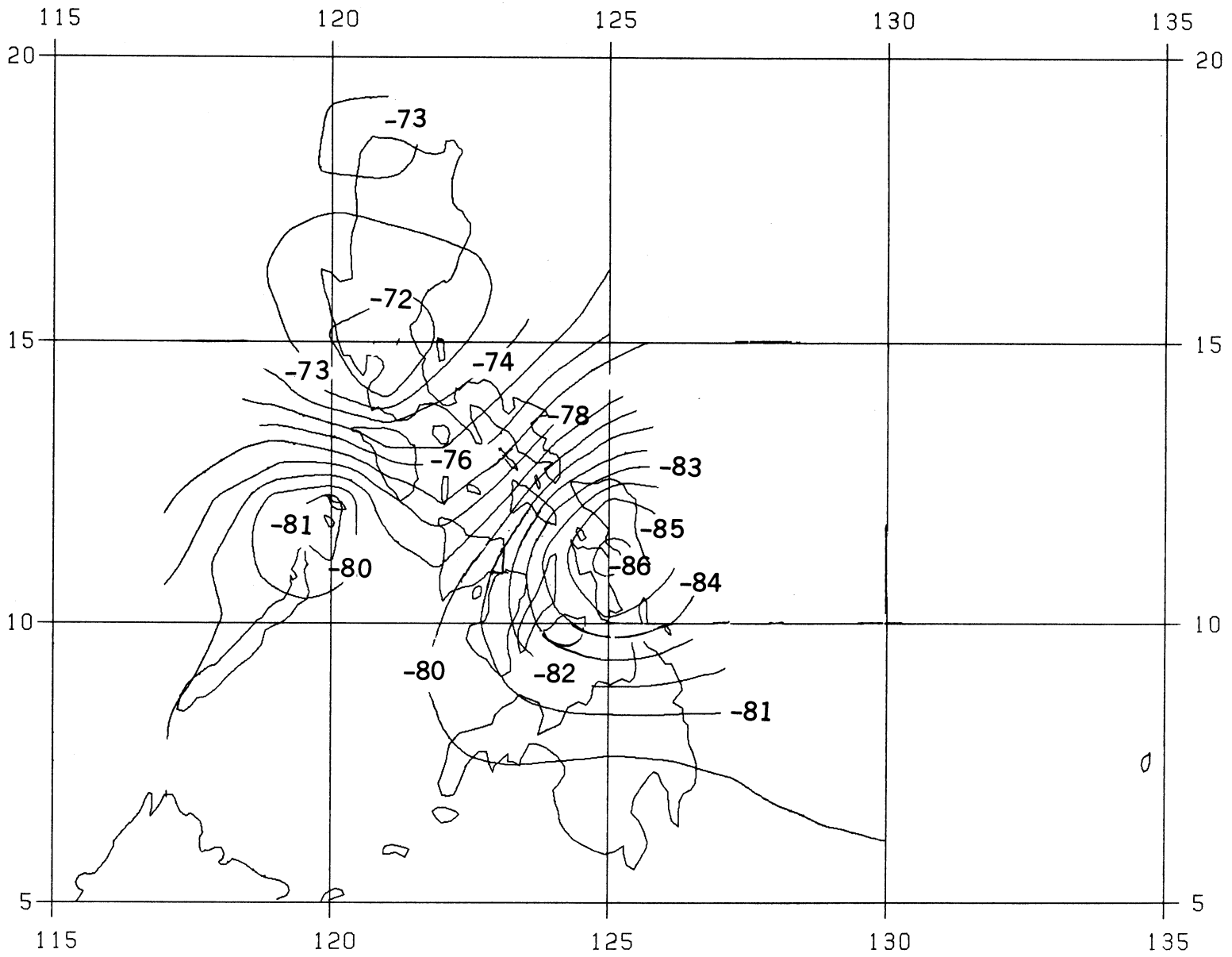

Figure 14.56. Contour Chart - Luzon Datum to WGS 84 Datum Shifts, ΔY Component (Contour Interval = 1 Meter)

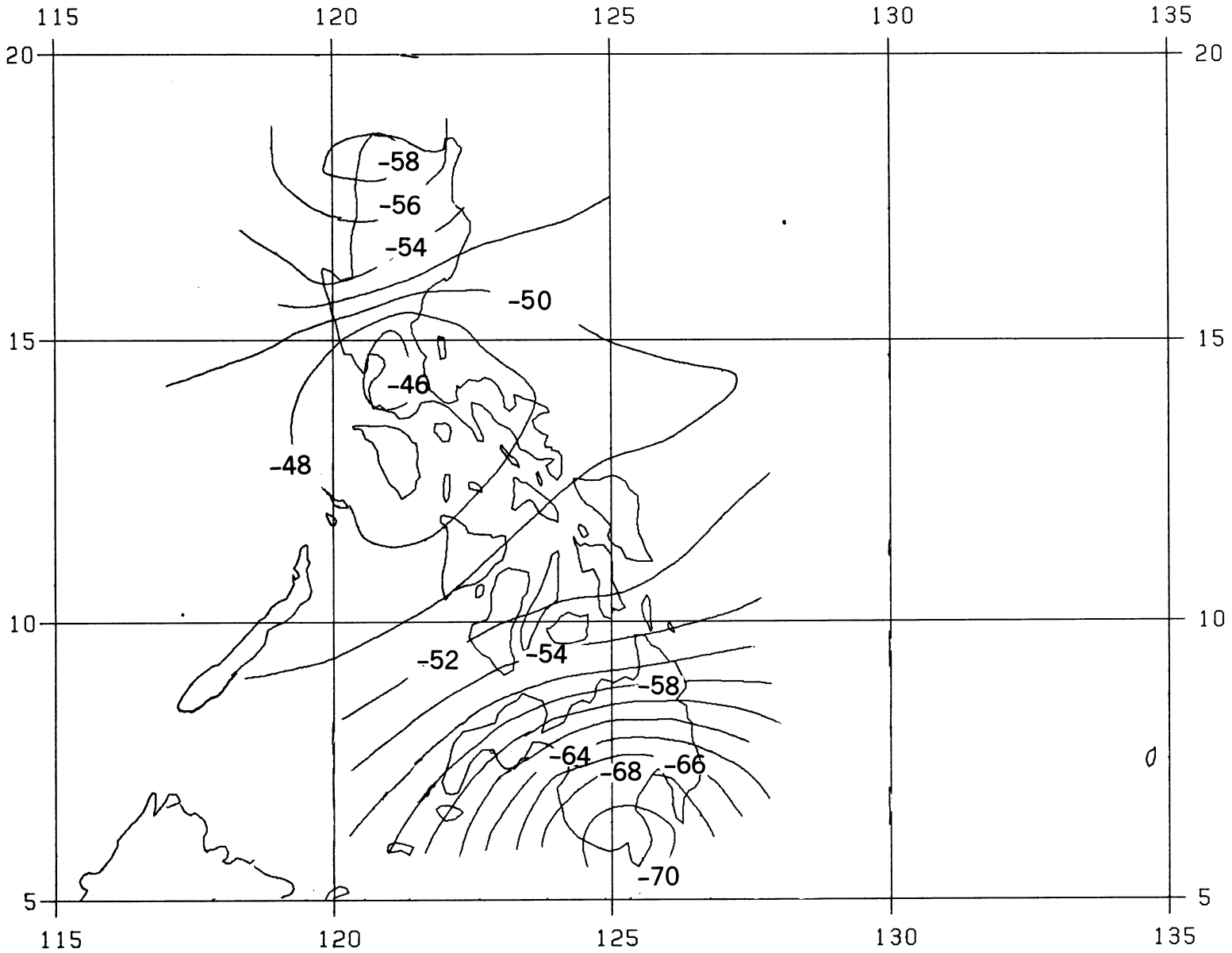

Figure 14.57. Contour Chart - Luzon Datum to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 2 Meters)

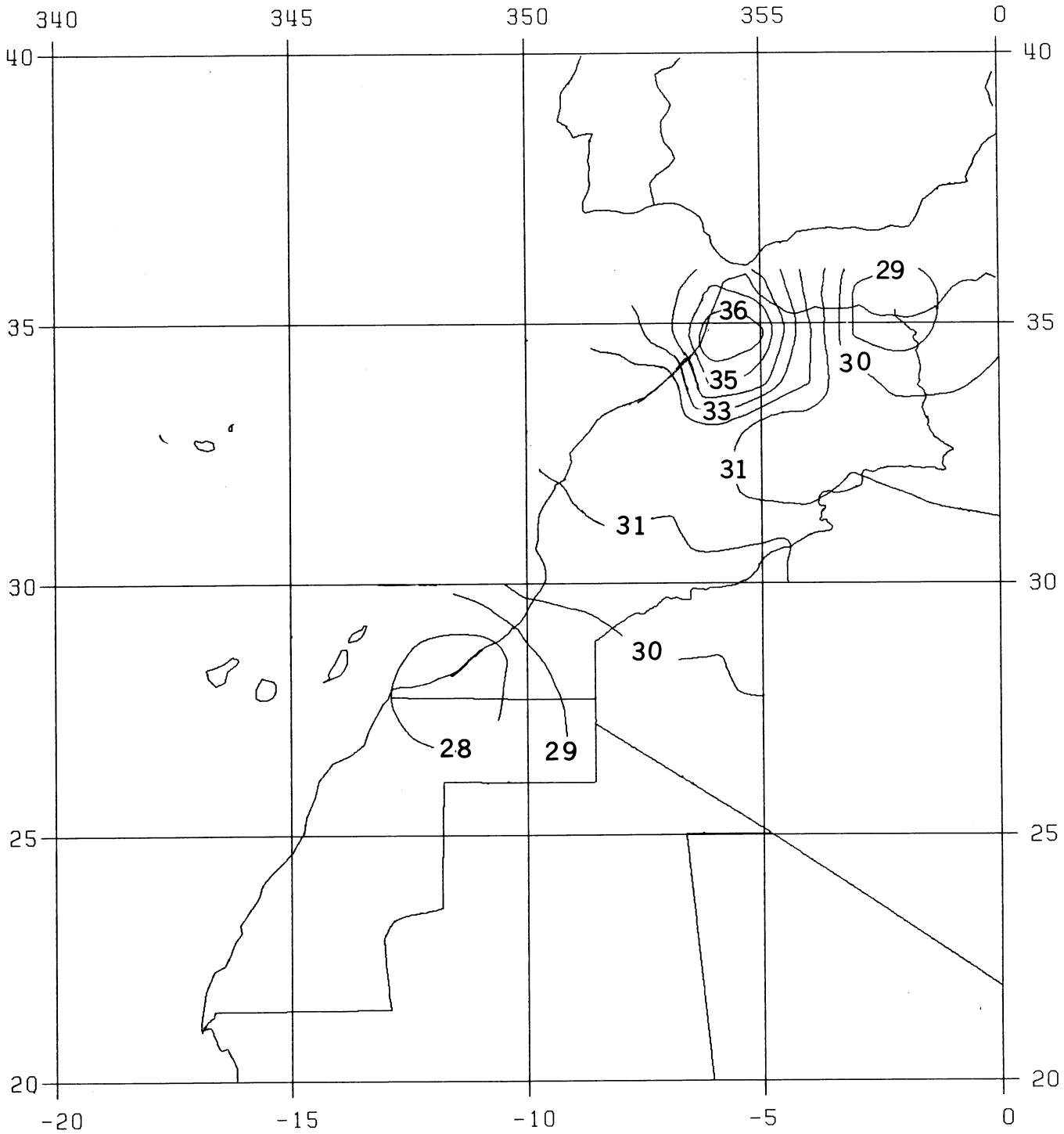

Figure 14.58. Contour Chart - Merchich Datum to WGS 84 Datum Shifts, ΔX Component (Contour Interval = 1 Meter)

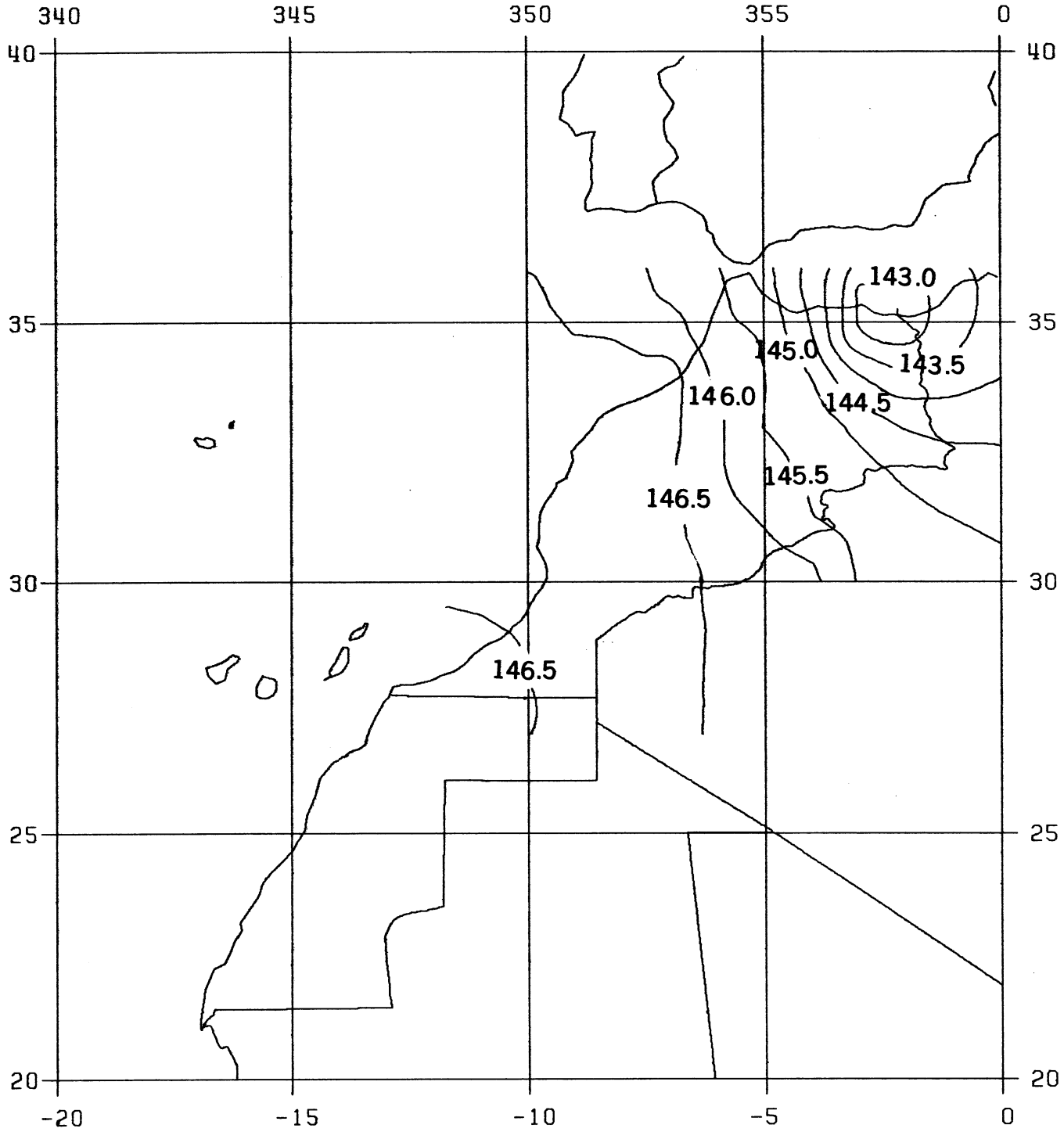

Figure 14.59. Contour Chart - Merchich Datum to WGS 84 Datum Shifts, △Y Component (Contour Interval = 0.5 Meter)

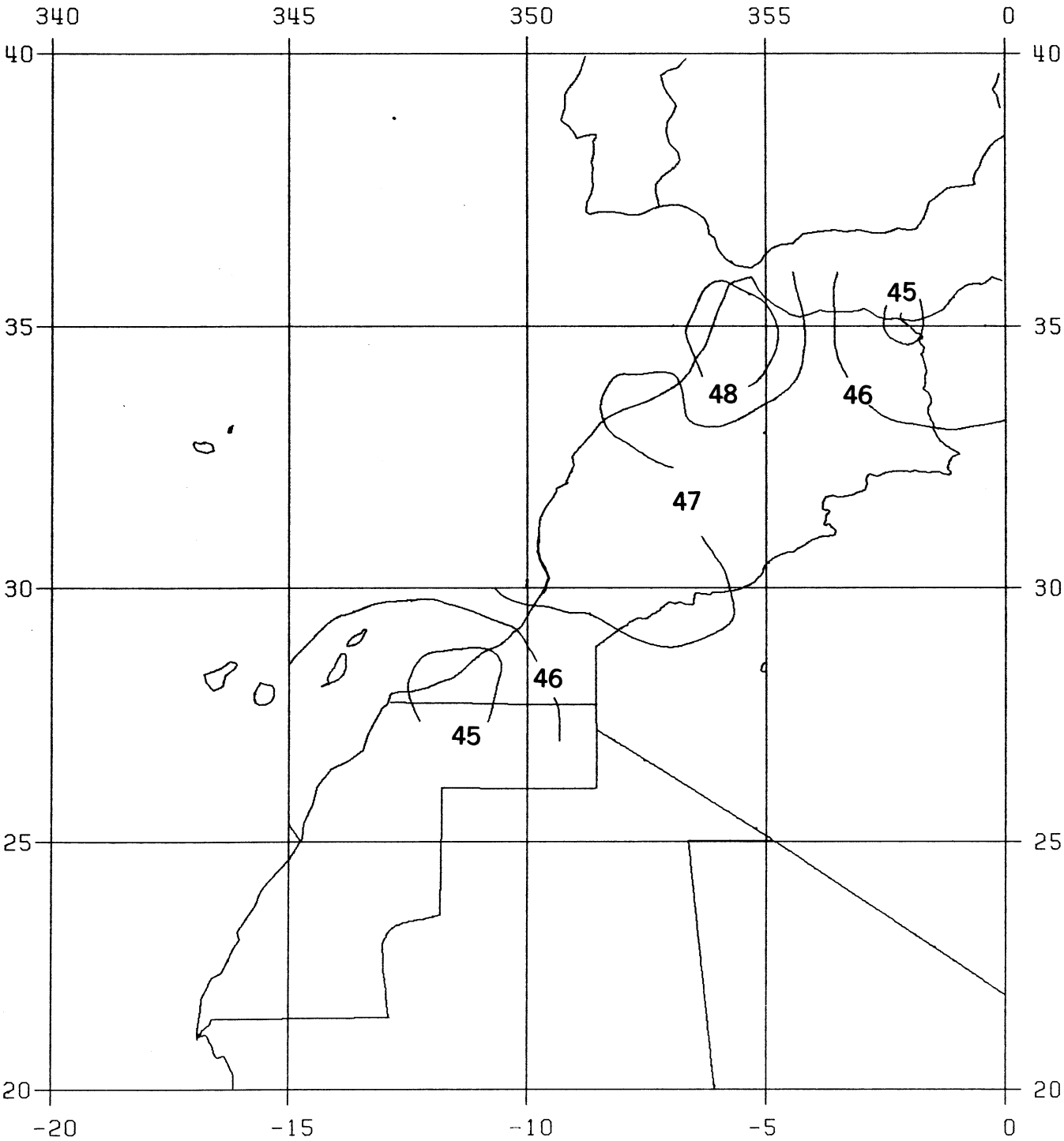

Figure 14.60. Contour Chart - Merchich Datum to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 1 Meter)

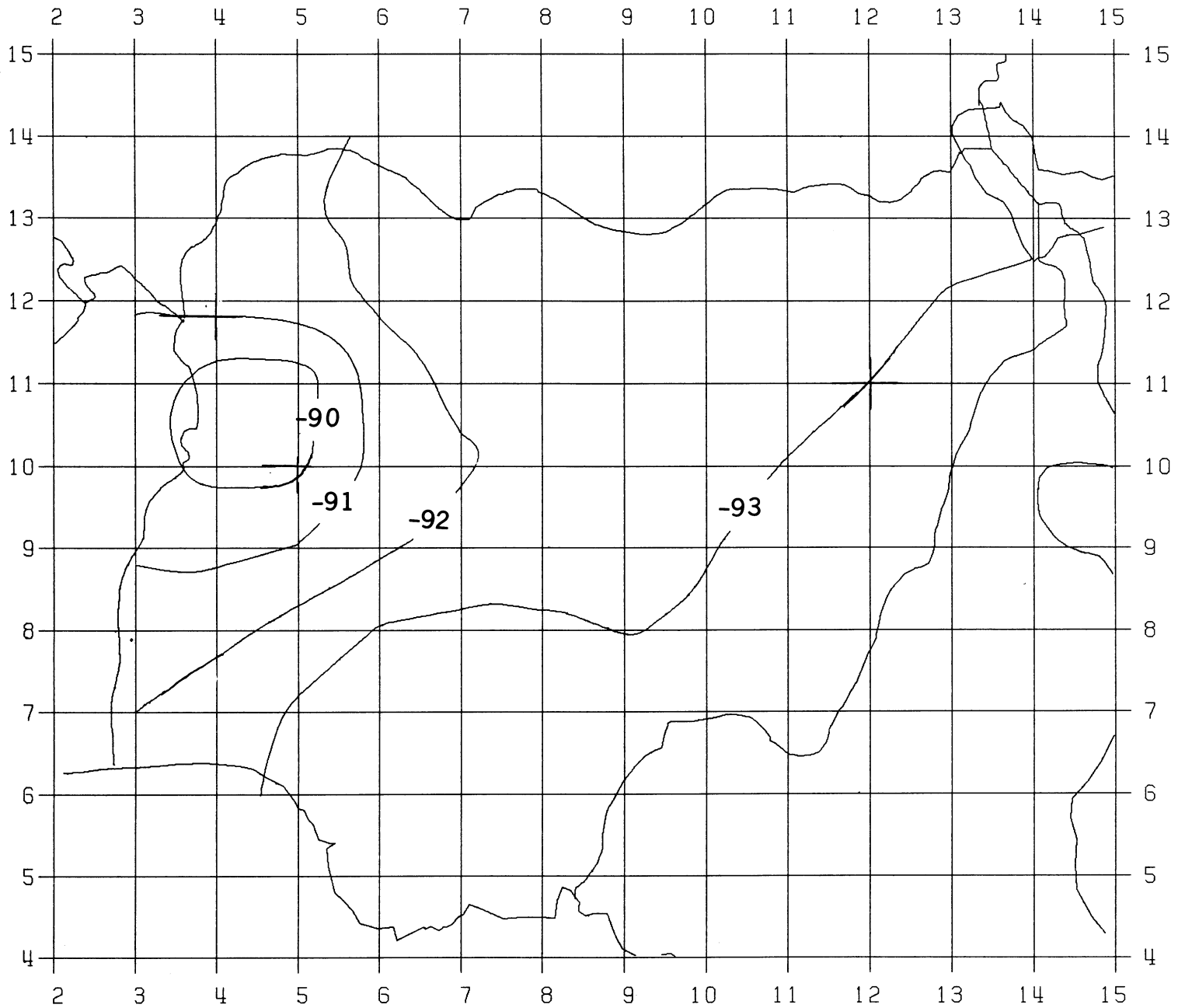

Figure 14.61. Contour Chart - Minna Datum to WGS 84 Datum Shifts, ΔX Component (Contour Interval = 1 Meter)

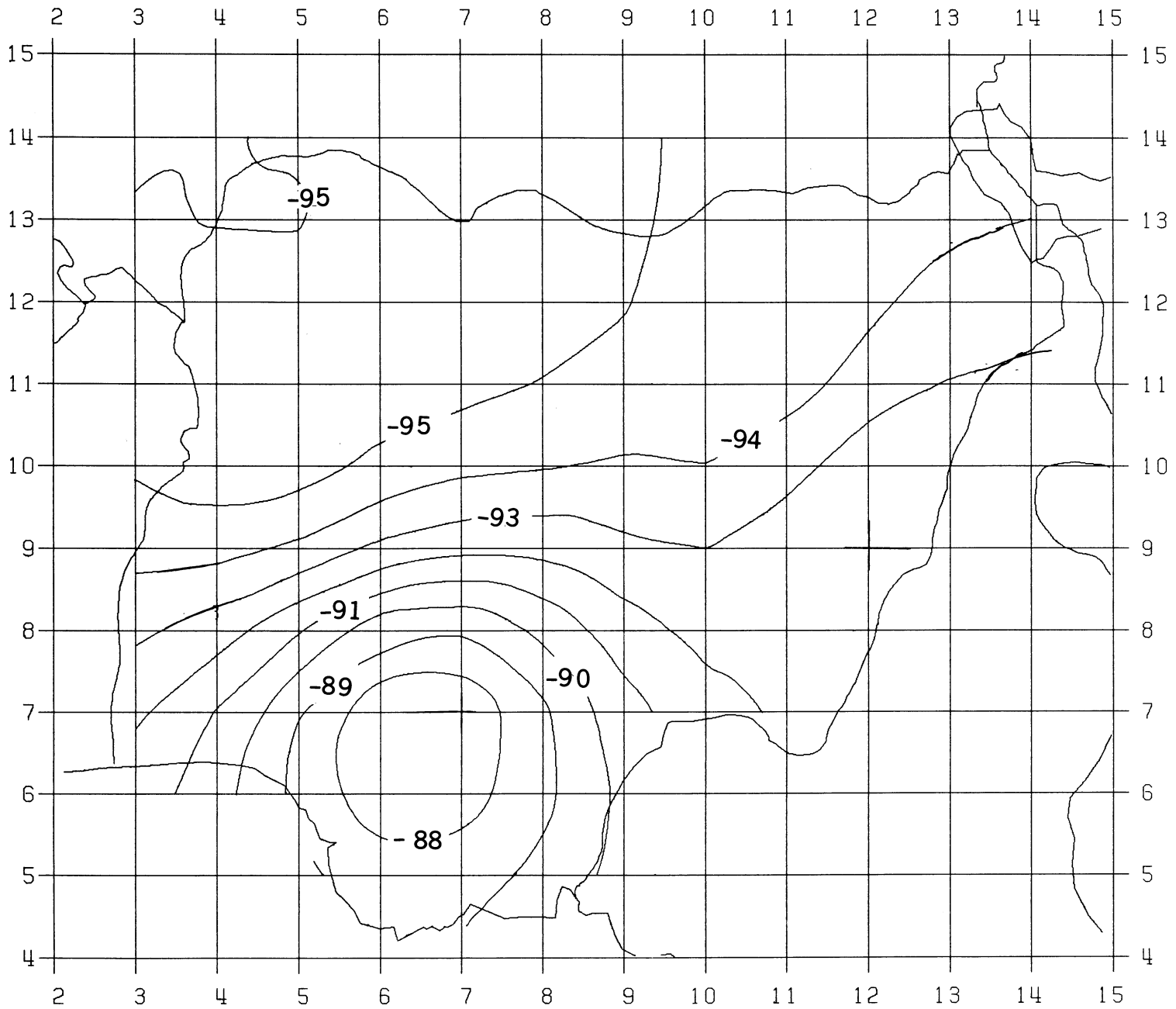

Figure 14.62. Contour Chart - Minna Datum to WGS 84 Datum Shifts, △Y Component (Contour Interval = 1 Meter)

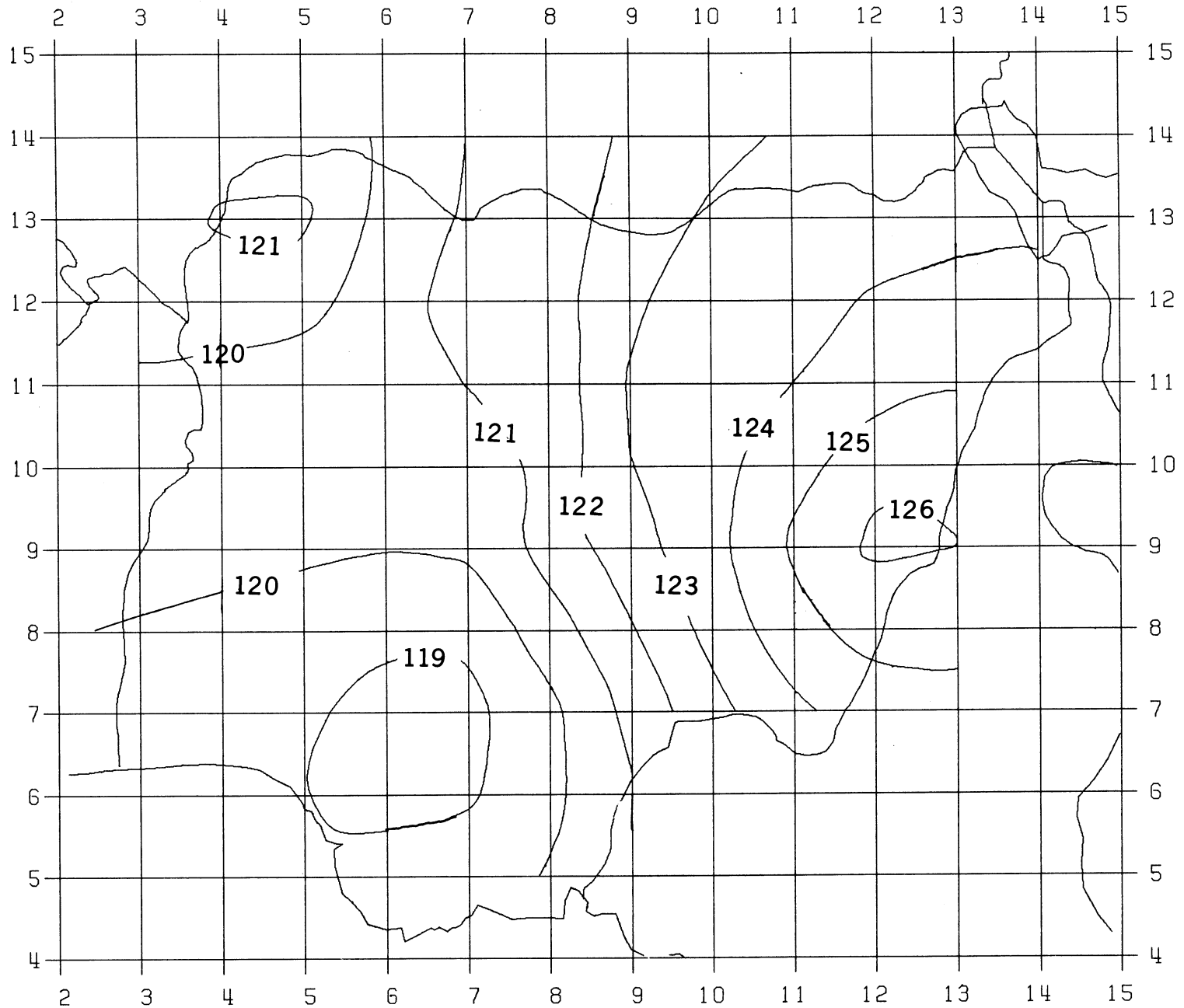

Figure 14.63. Contour Chart – Minna Datum to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 1 Meter)

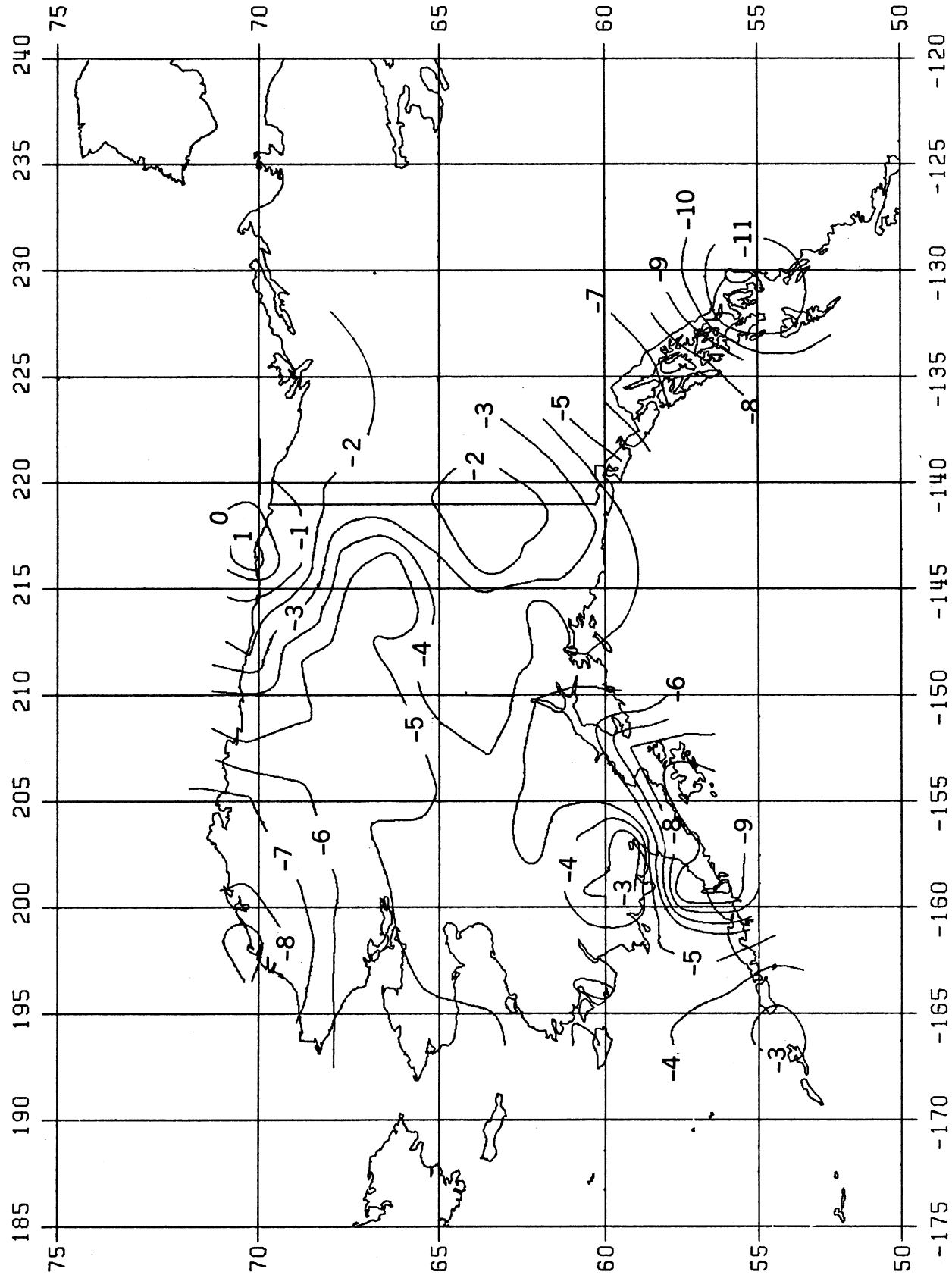

Figure 14.64. Contour Chart - NAD 27 (Alaska) to WGS 84 Datum Shifts, ΔX Component (Contour Interval = 1 Meter)

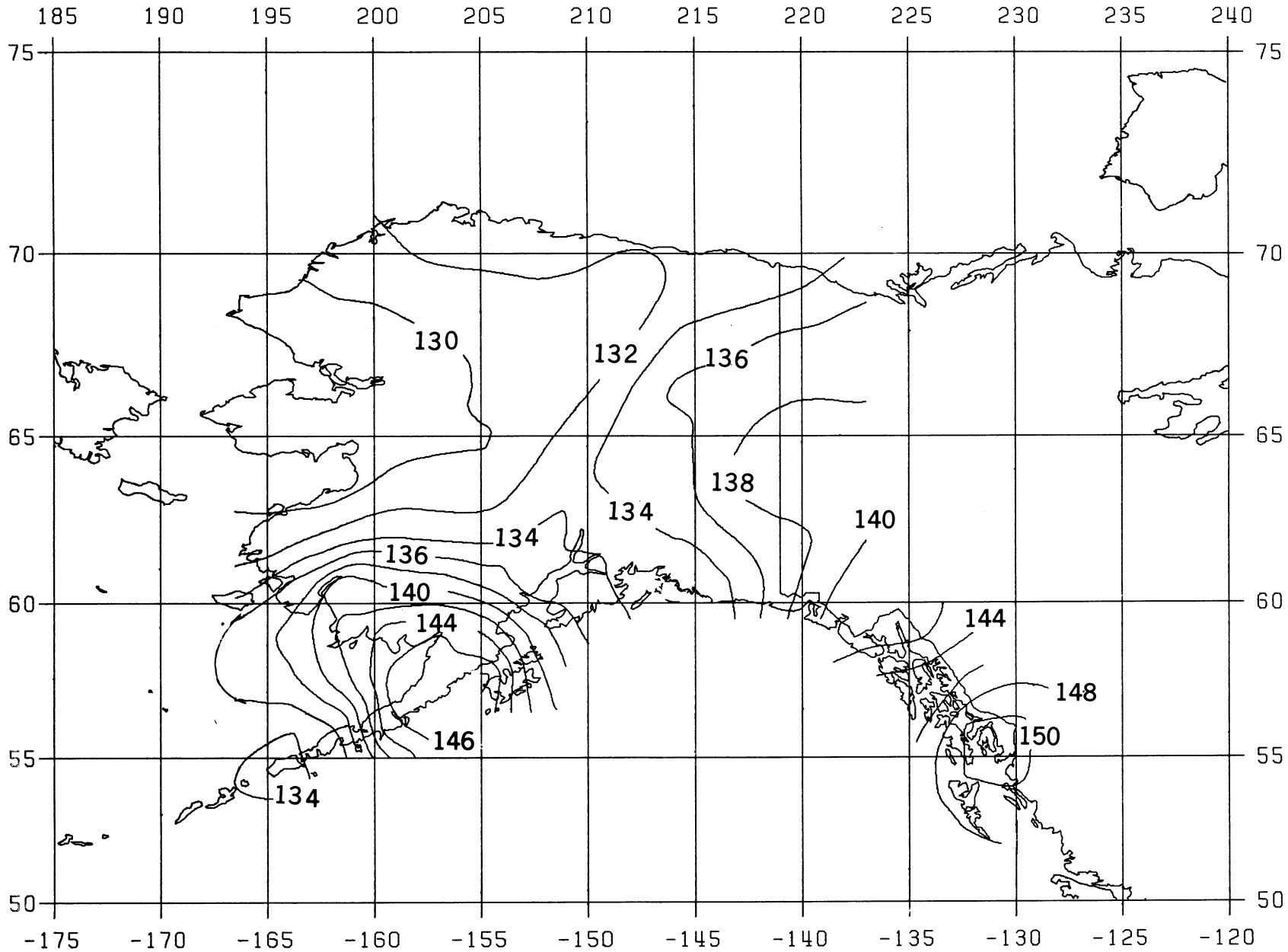

Figure 14.65. Contour Chart - NAD 27 (Alaska) to WGS 84 Datum Shifts, ΔY Component (Contour Interval = 2 Meters)

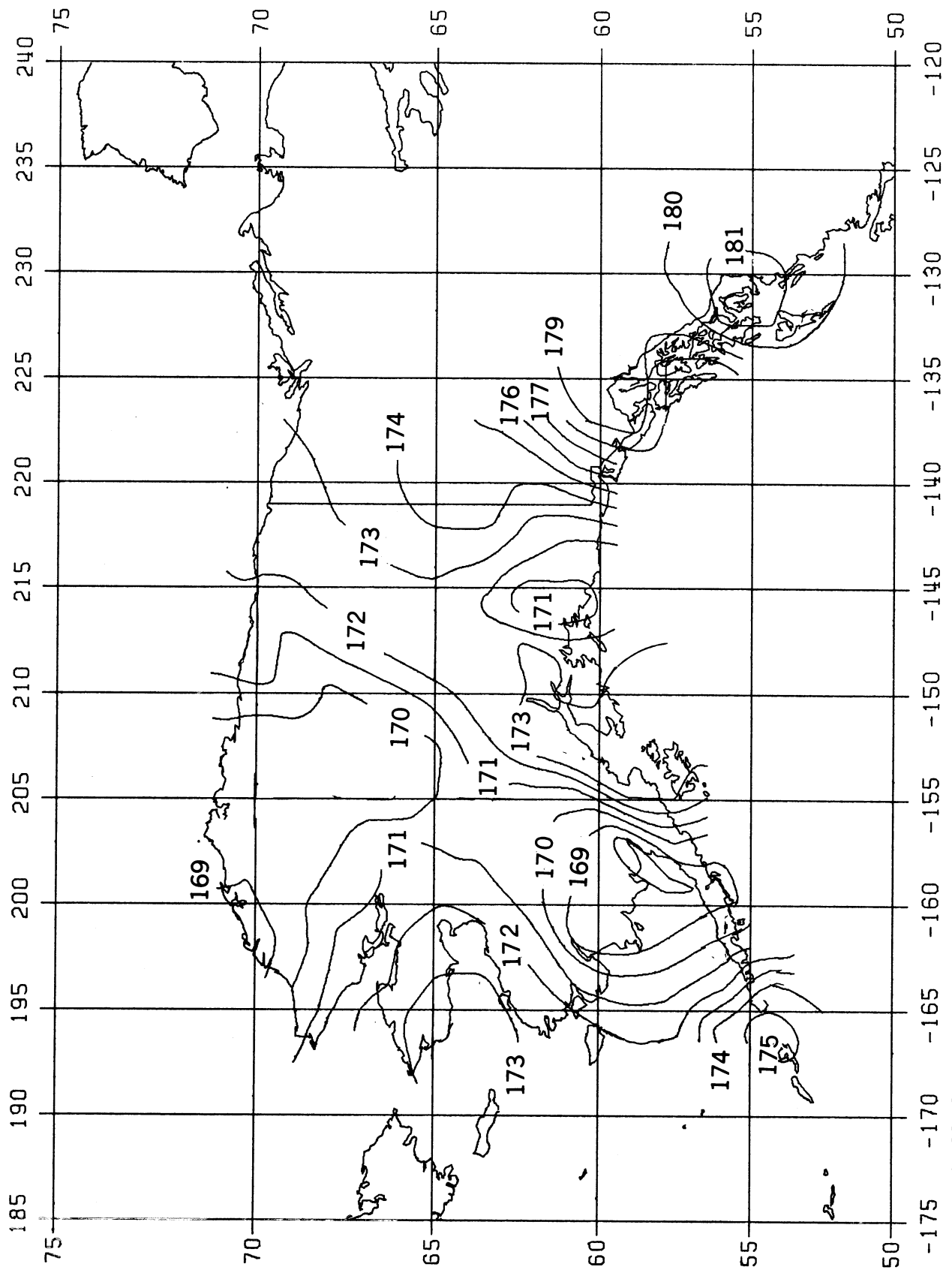

Figure 14.66. Contour Chart - NAD 27 (Alaska) to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 1 Meter)

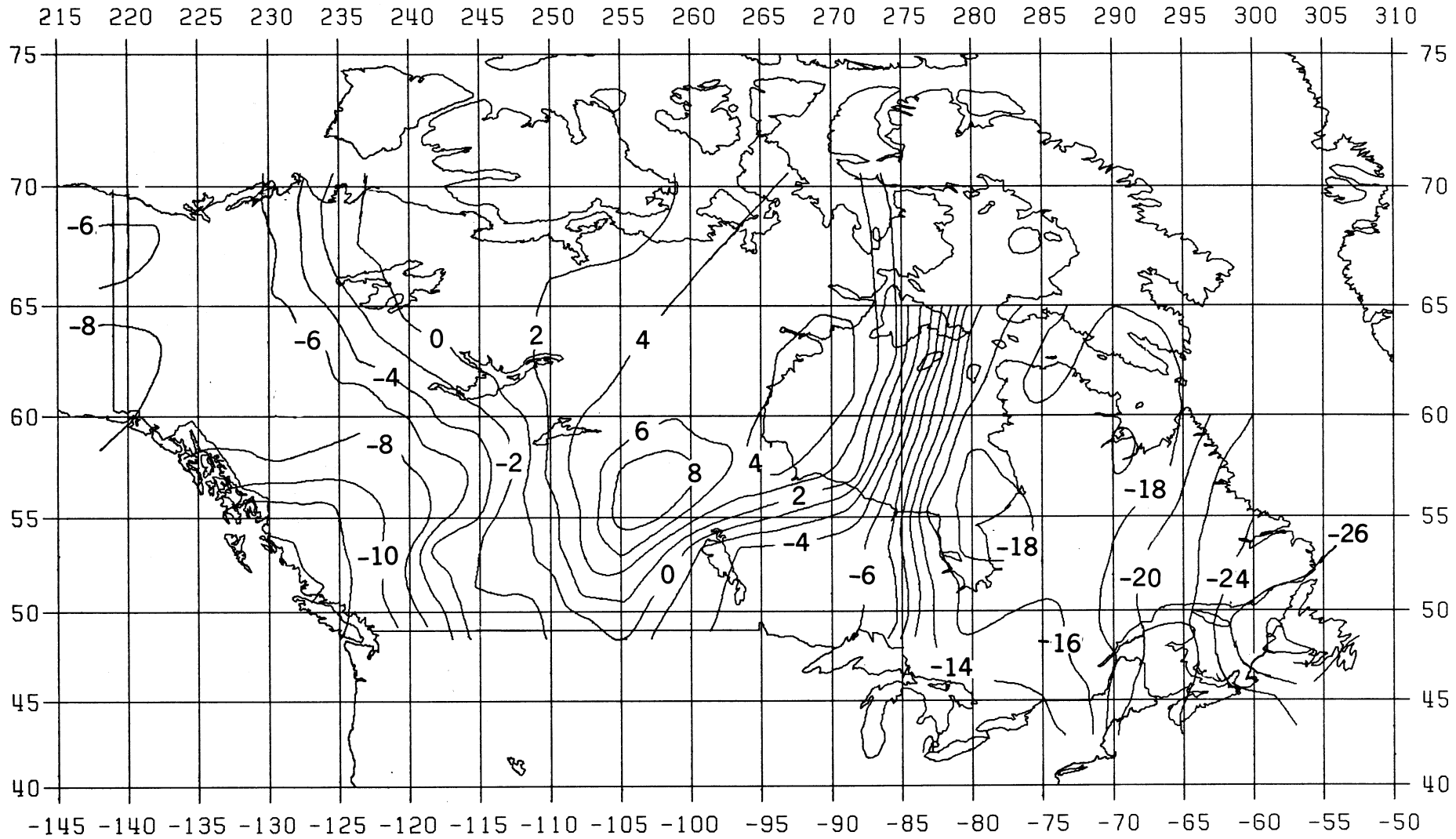

Figure 14.67. Contour Chart - NAD 27 (Canada) to WGS 84 Datum Shifts, ΔX Component (Contour Interval = 2 Meters)

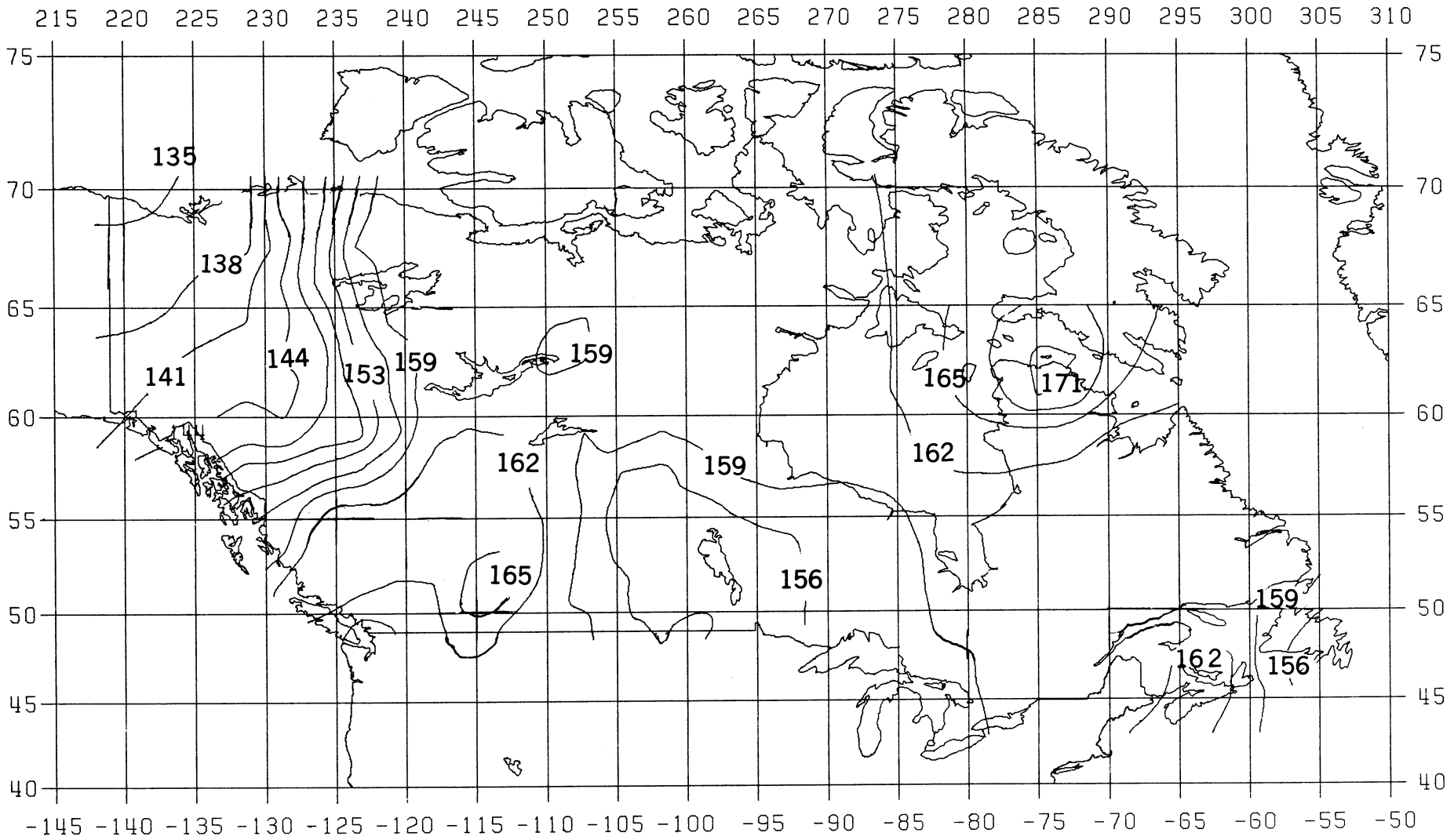

Figure 14.68. Contour Chart - NAD 27 (Canada) to WGS 84 Datum Shifts, ΔY Component (Contour Interval = 3 Meters)

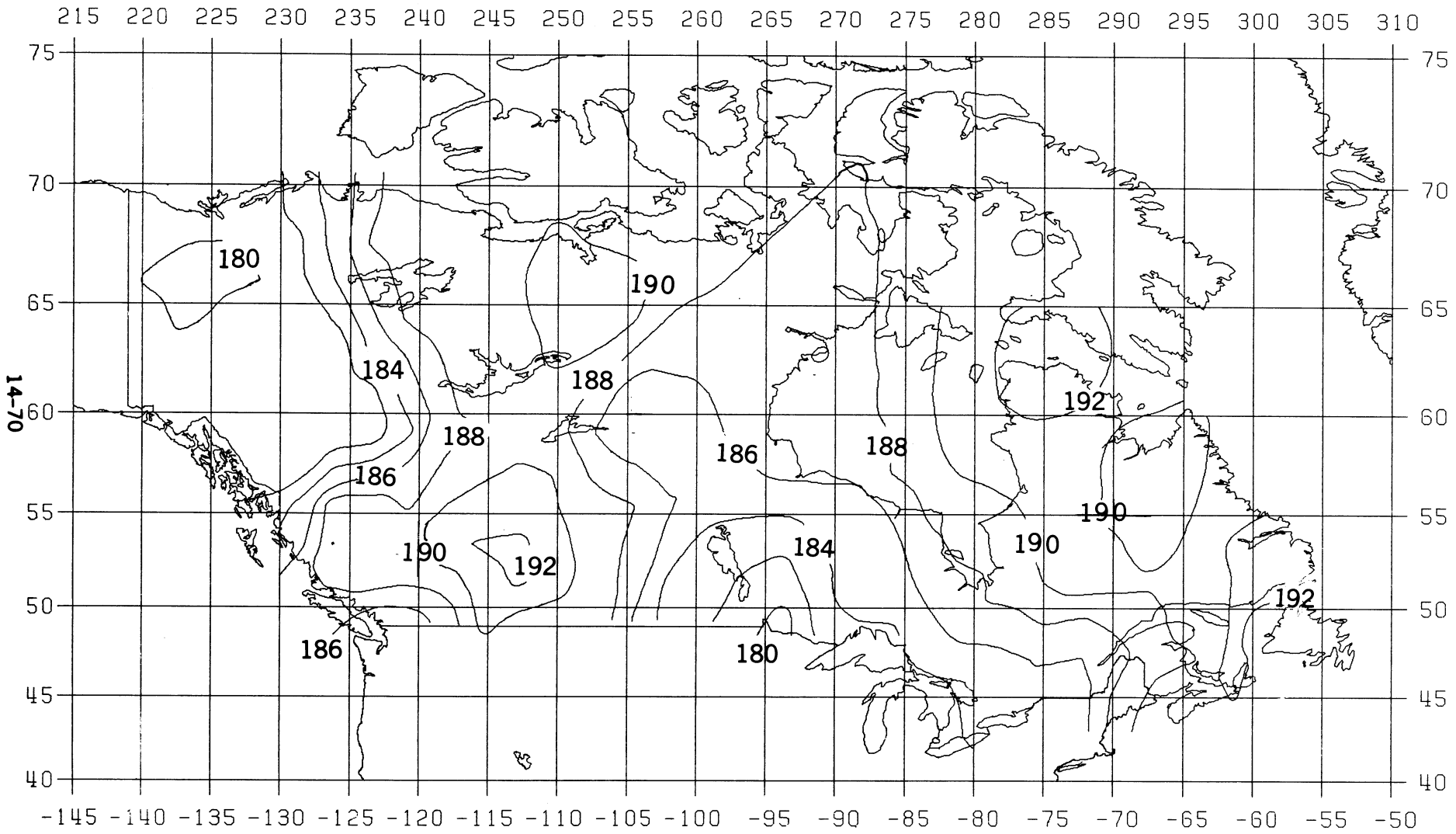

Figure 14.69. Contour Chart - NAD 27 (Canada) to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 2 Meters)

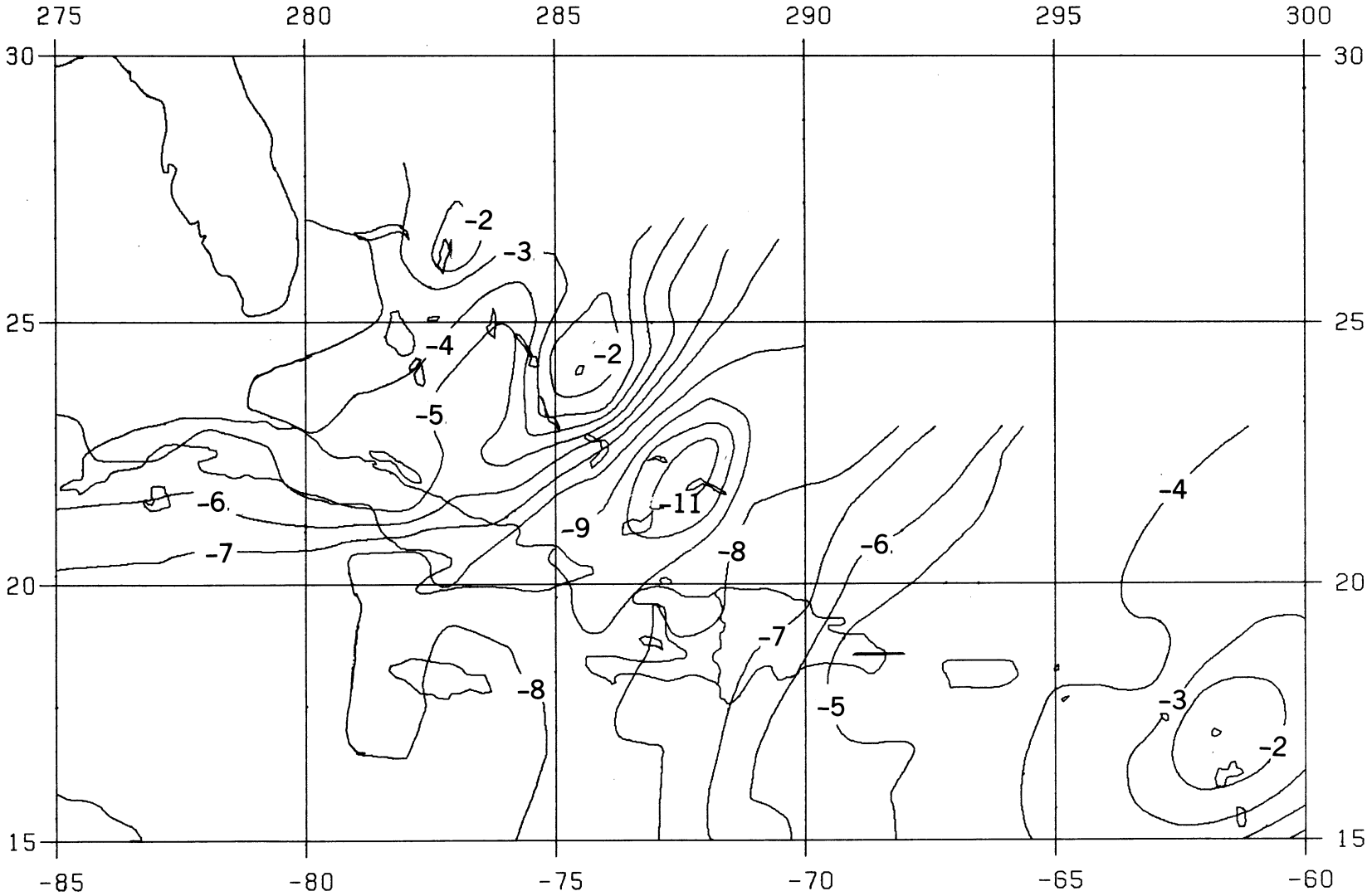

Figure 14.70. Contour Chart - NAD 27 (Caribbean) to WGS 84 Datum Shifts, ΔX Component (Contour Interval = 1 Meter)

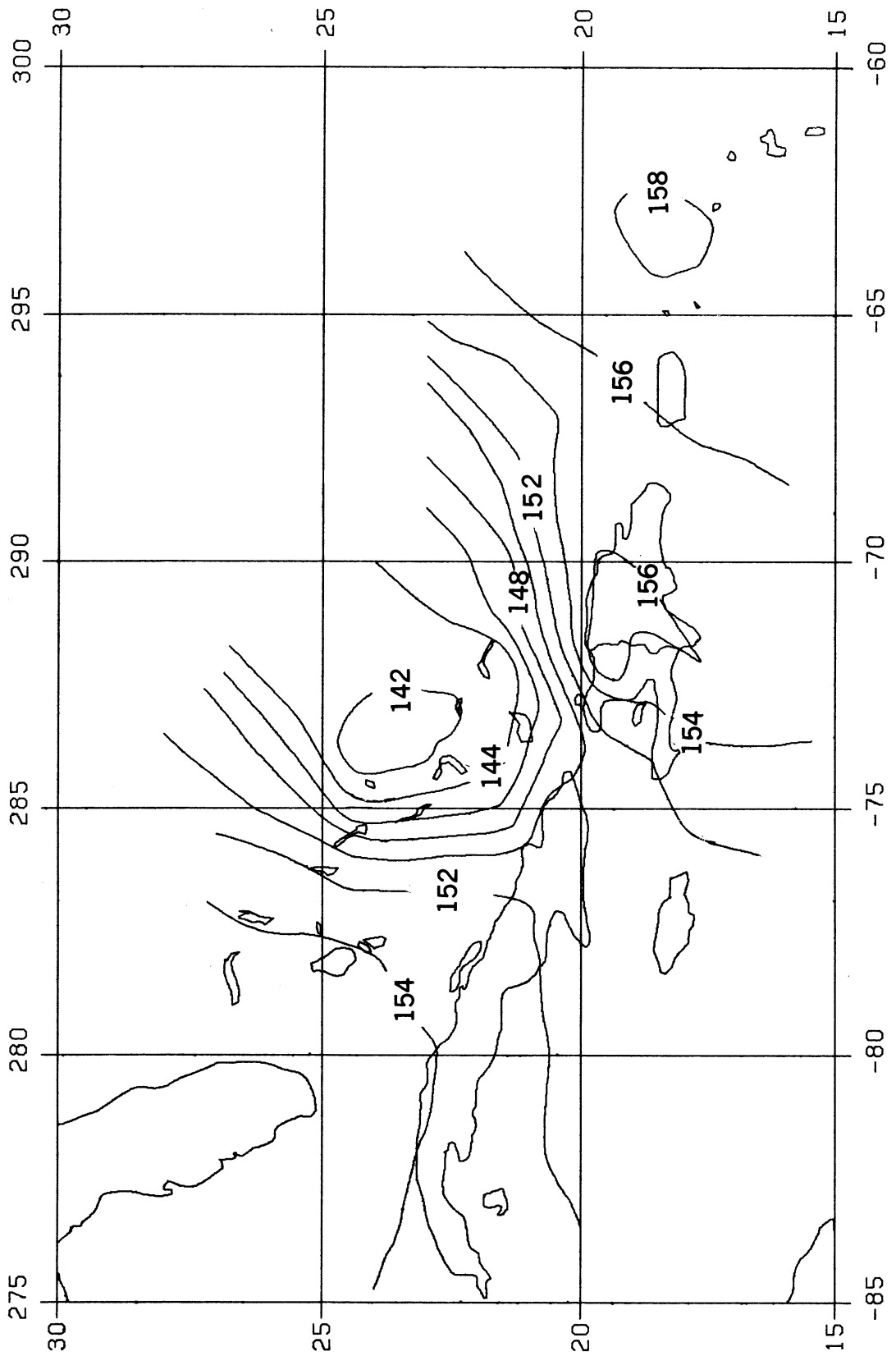

Figure 14.71. Contour Chart – NAD 27 (Caribbean) to WGS 84 Datum Shifts, ΔY Component (Contour Interval = 2 Meters)

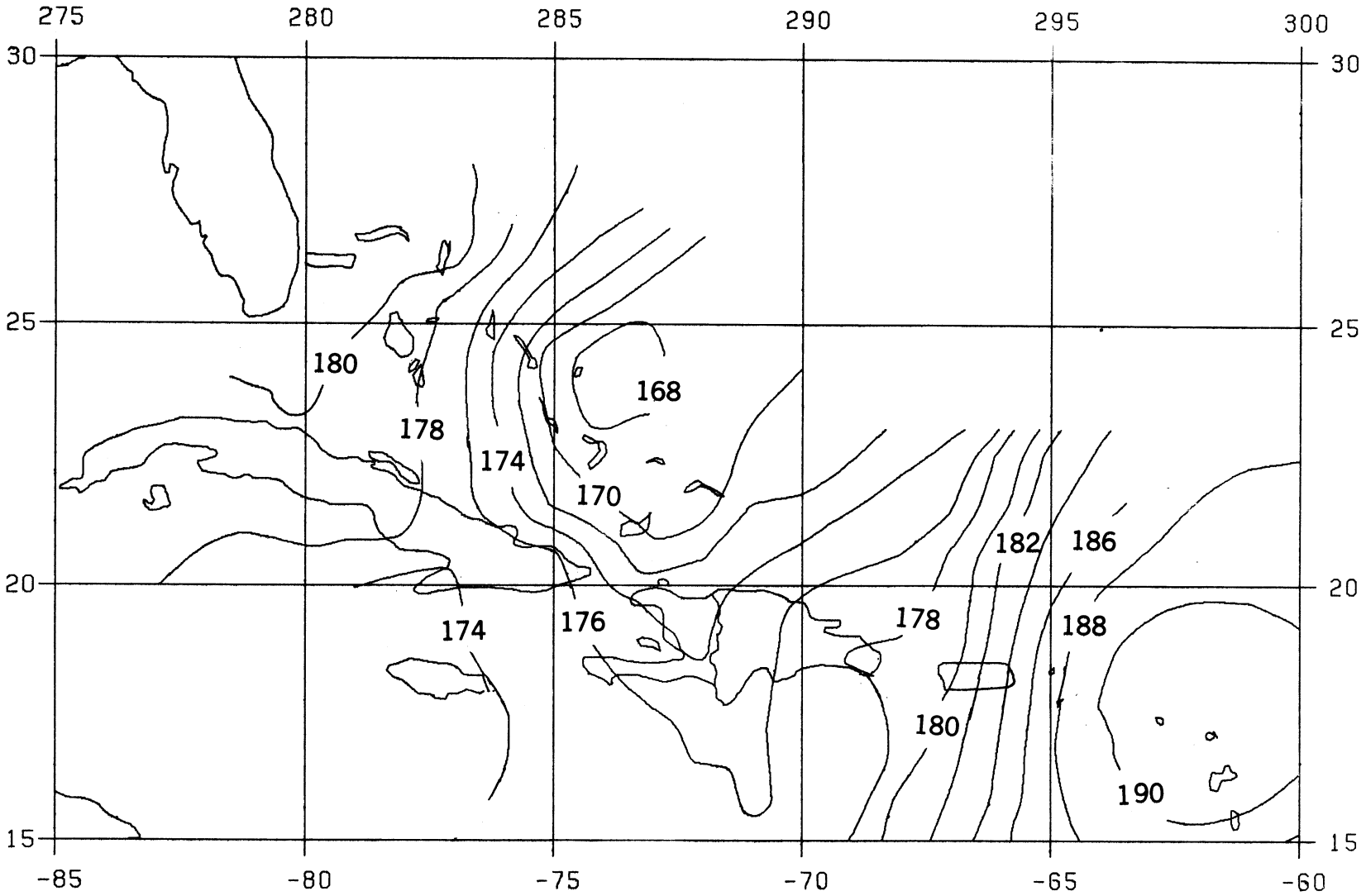

Figure 14.72. Contour Chart - NAD 27 (Caribbean) to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 2 Meters)

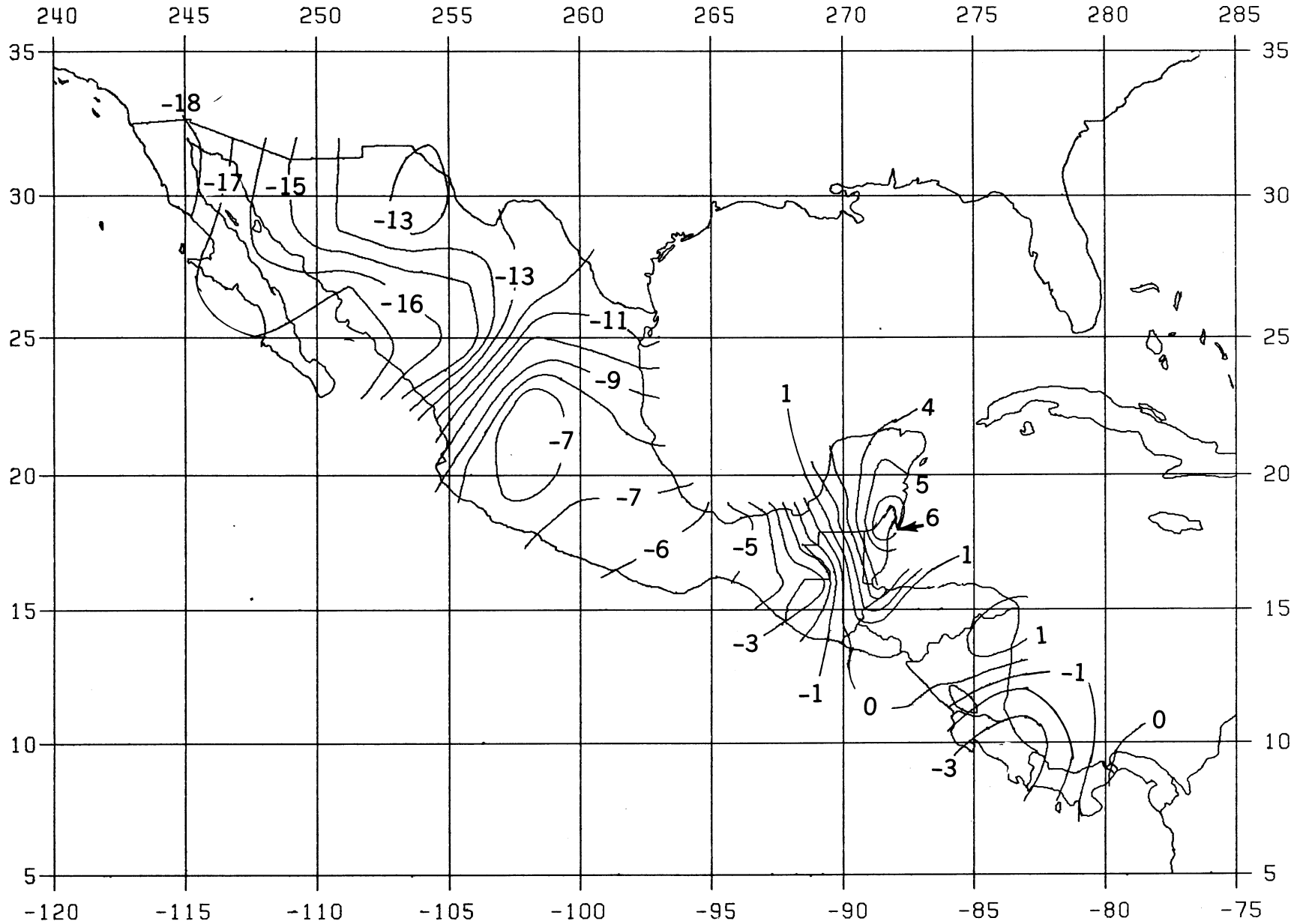

Figure 14.73. Contour Chart - NAD 27 (Mexico, Central America) to WGS 84 Datum Shifts, ΔX Component (Contour Interval = 1 Meter)

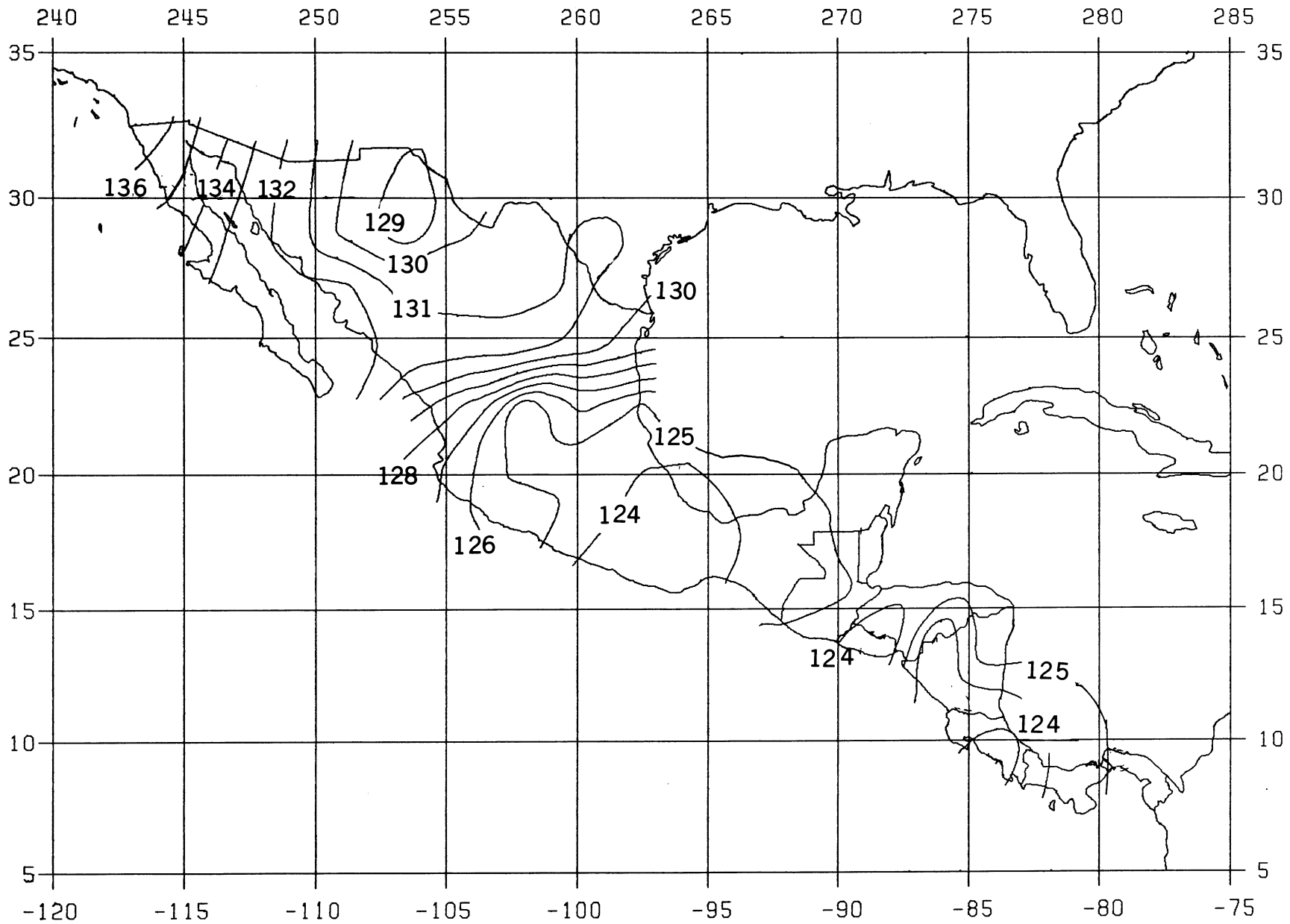

Figure 14.74. Contour Chart - NAD 27 (Mexico, Central America) to WGS 84 Datum Shifts, ΔY Component (Contour Interval = 1 Meter)

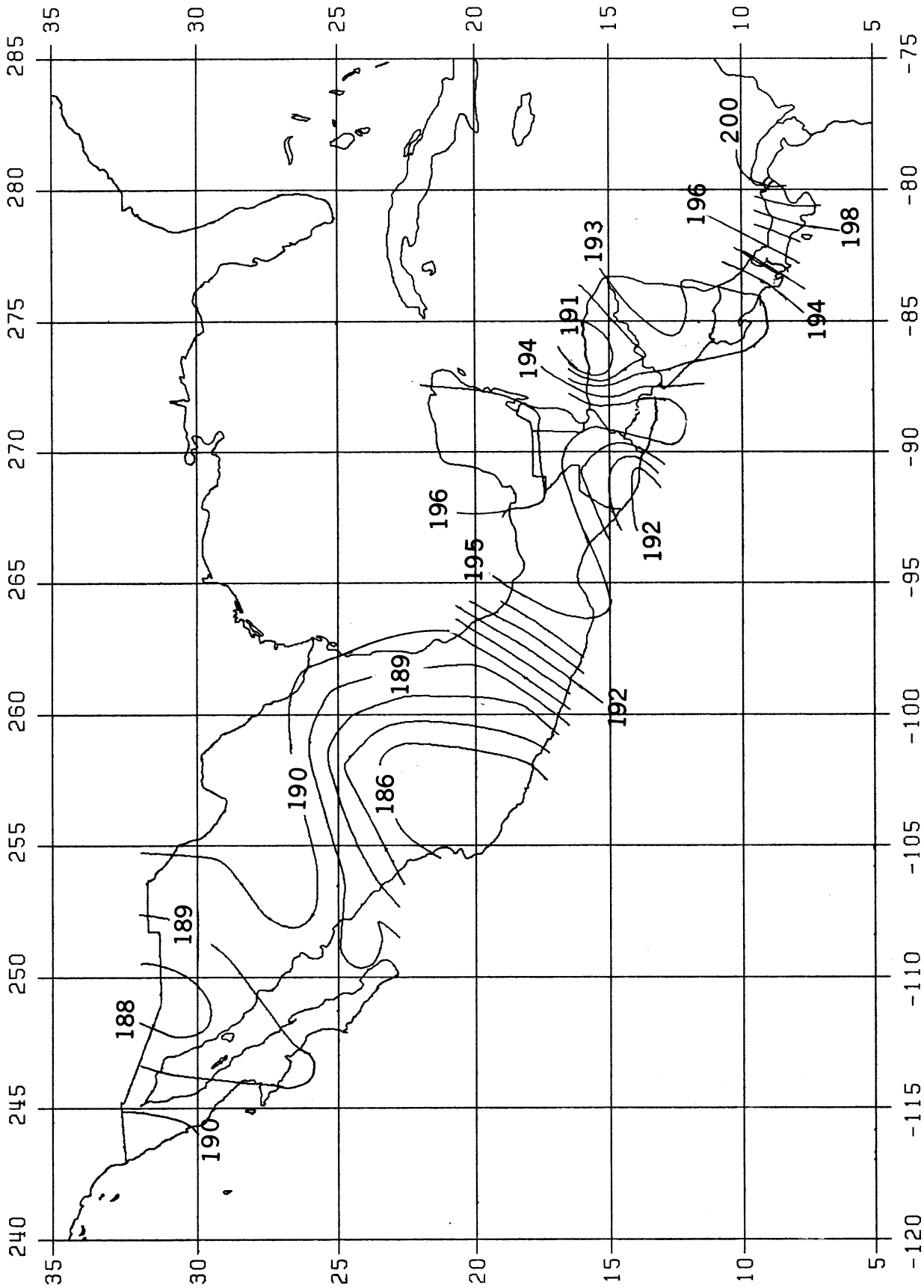

Figure 14.75. Contour Chart–NAD 27 (Mexico, Central America) to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 1 Meter)

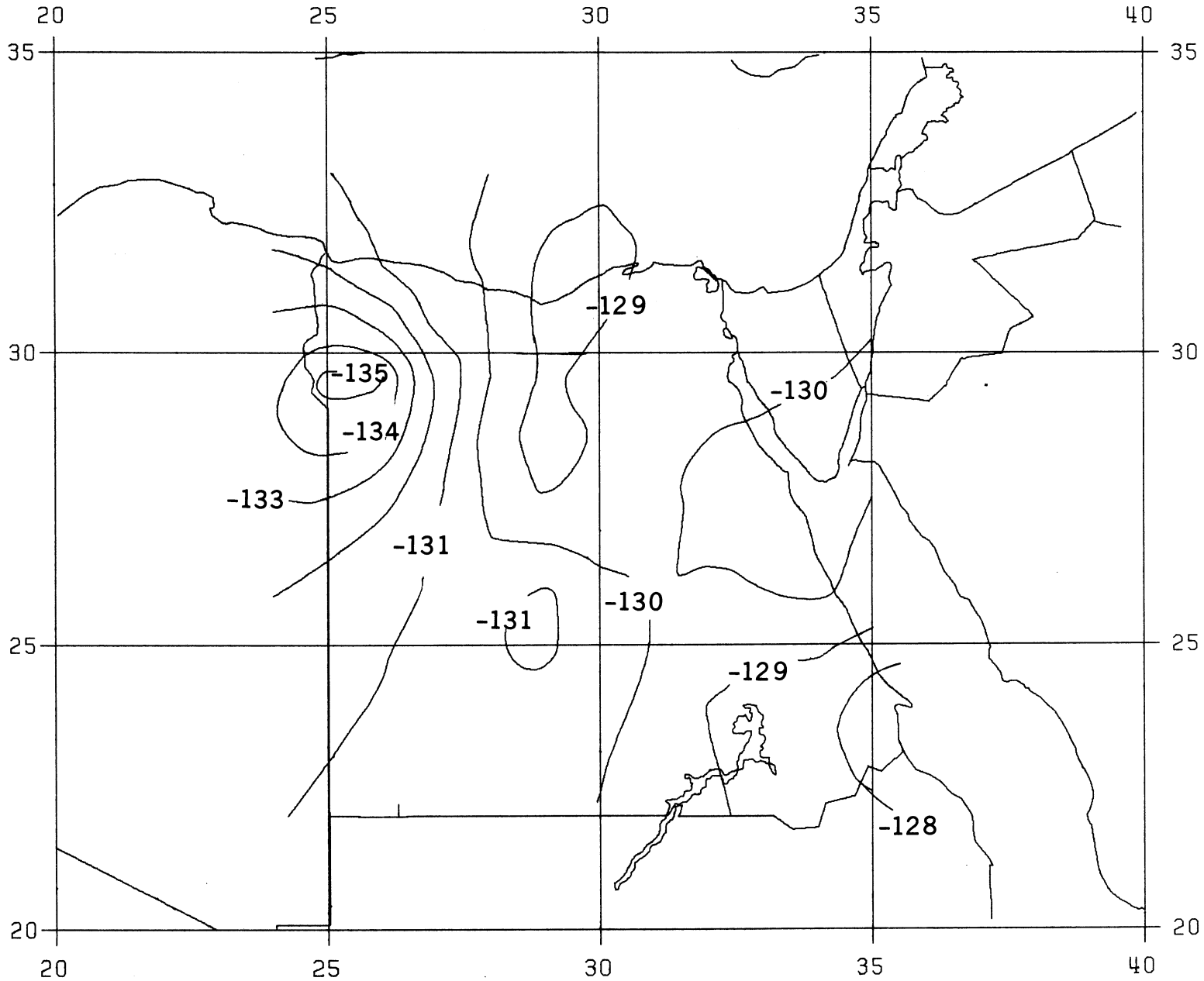

Figure 14.76. Contour Chart - Old Egyptian Datum to WGS 84 Datum Shifts, △X Component (Contour Interval = 1 Meter)

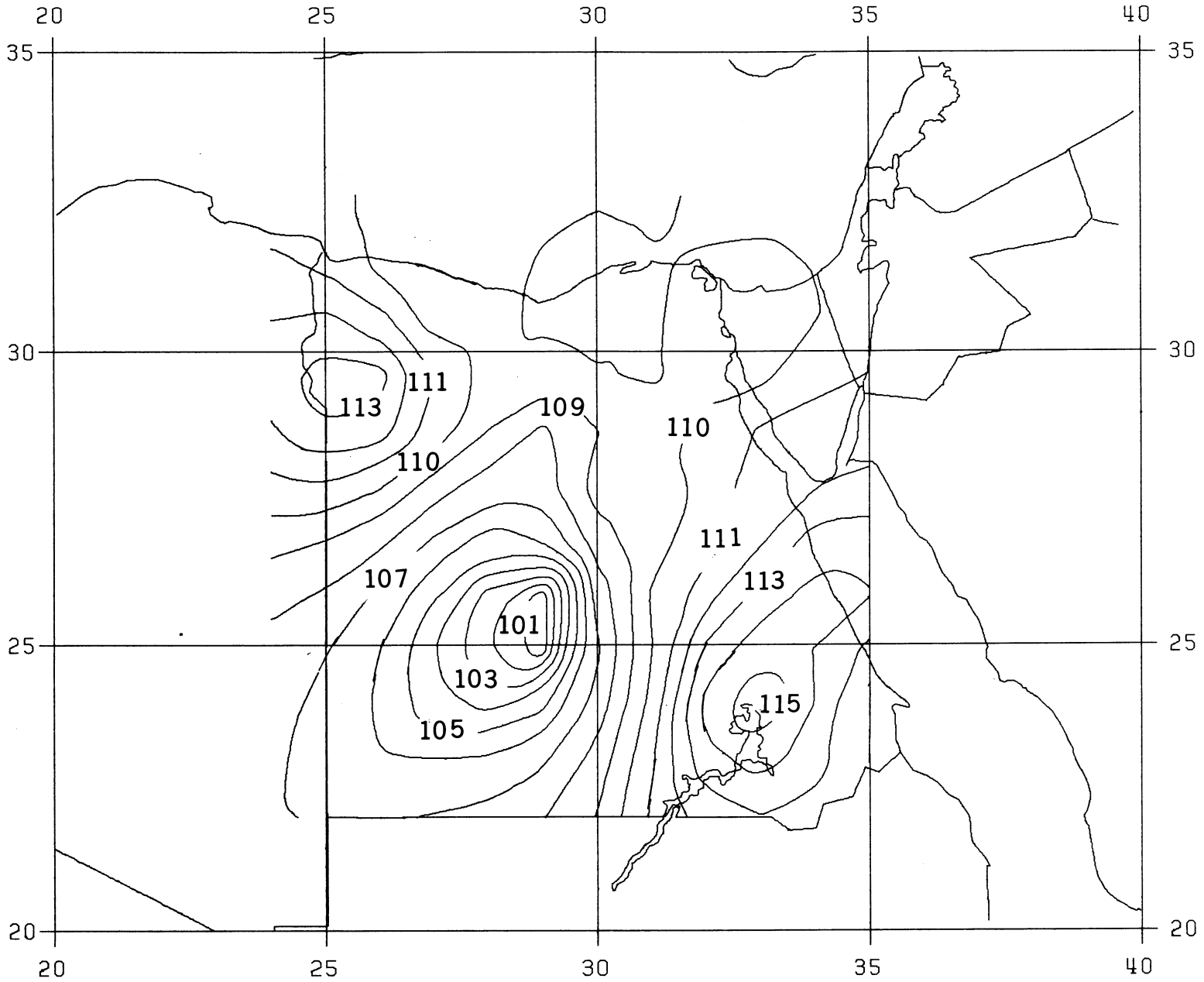

Figure 14.77. Contour Chart - Old Egyptian Datum to WGS 84 Datum Shifts, △Y Component (Contour Interval = 1 Meter)

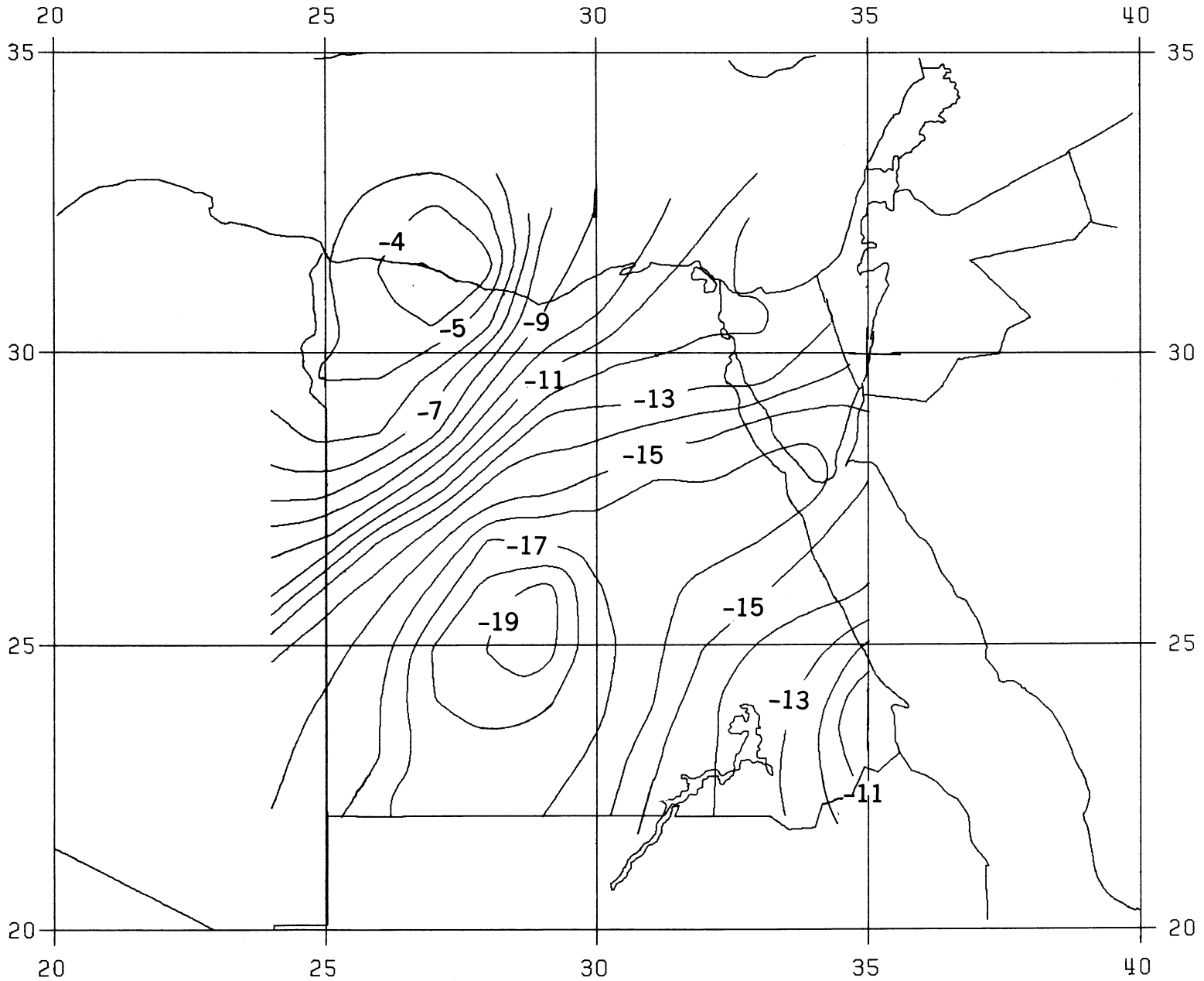

Figure 14.78. Contour Chart - Old Egyptian Datum to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 1 Meter)

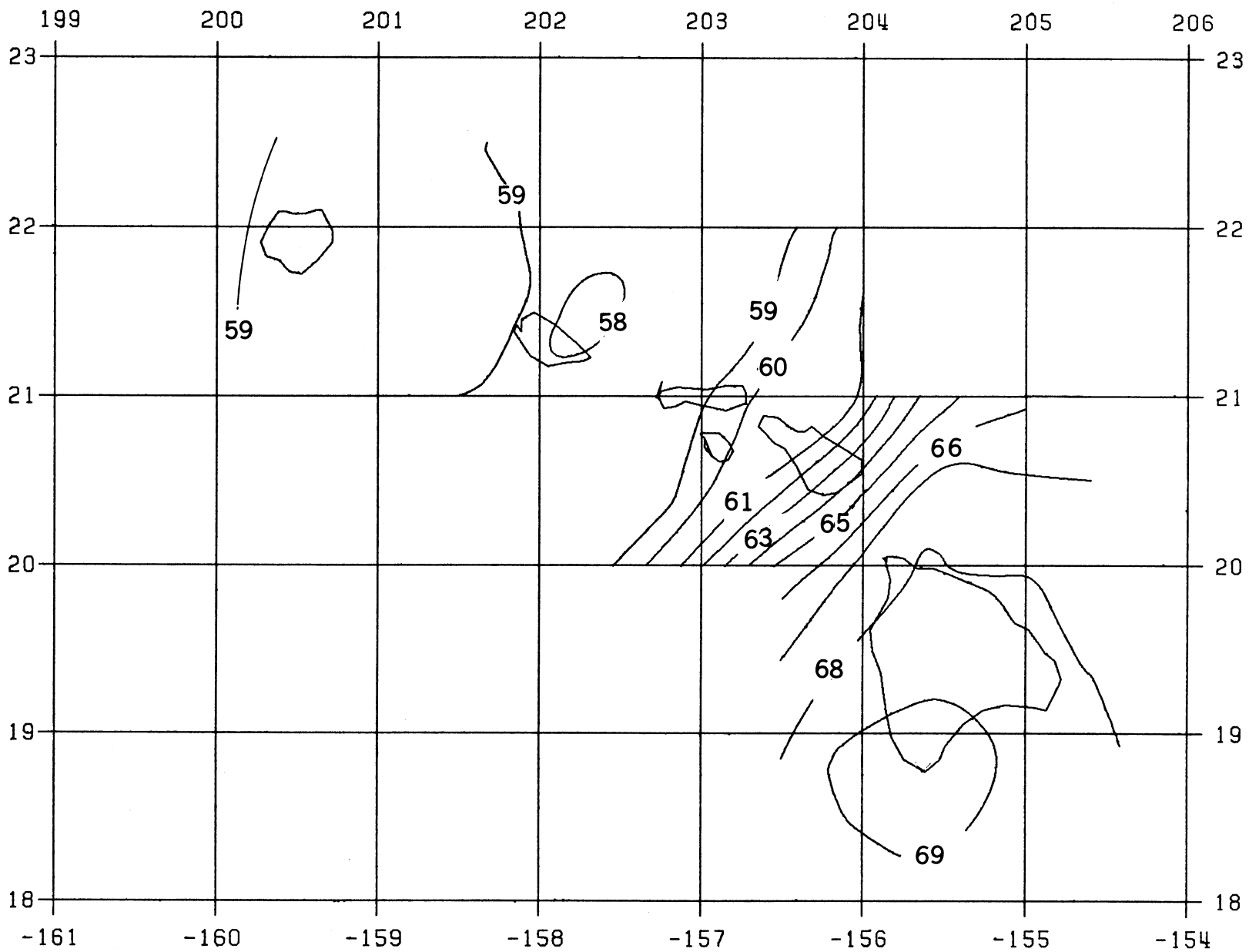

Figure 14.79. Contour Chart - Old Hawaiian Datum to WGS 84 Datum Shifts, ΔX Component (Contour Interval = 1 Meter)

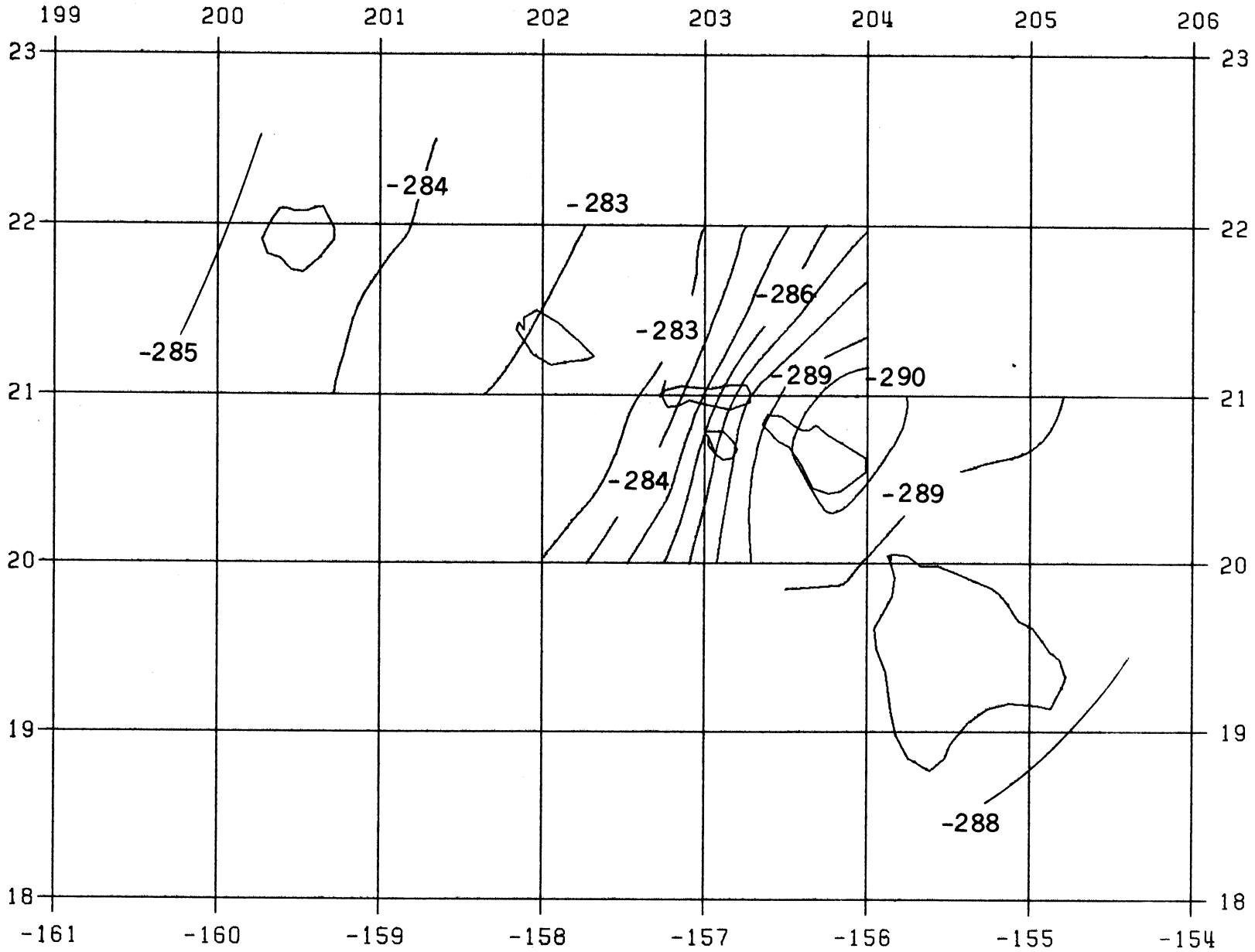

Figure 14.80. Contour Chart - Old Hawaiian Datum to WGS 84 Datum Shifts, △Y Component (Contour Interval = 1 Meter)

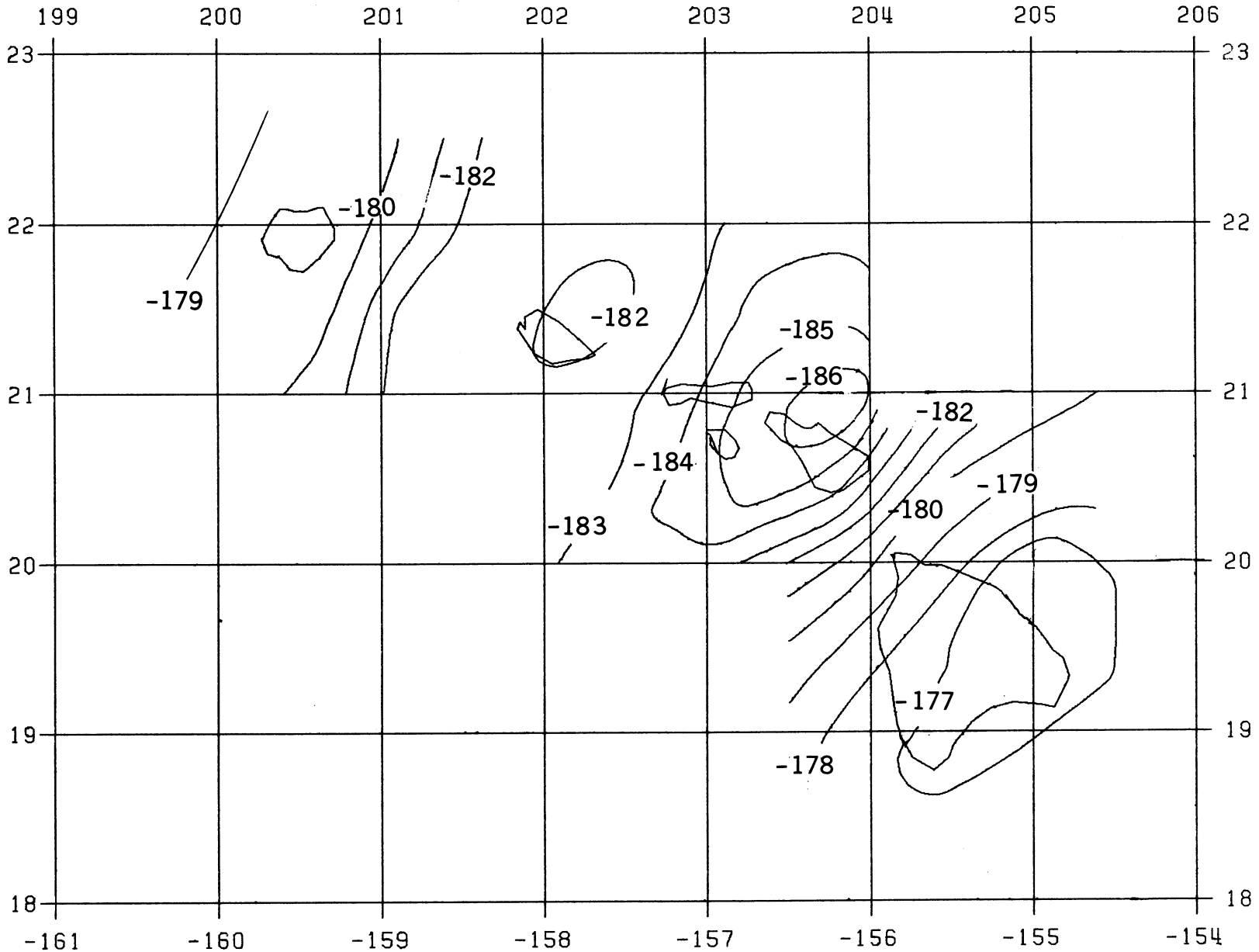

Figure 14.81. Contour Chart - Old Hawaiian Datum to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 1 Meter)

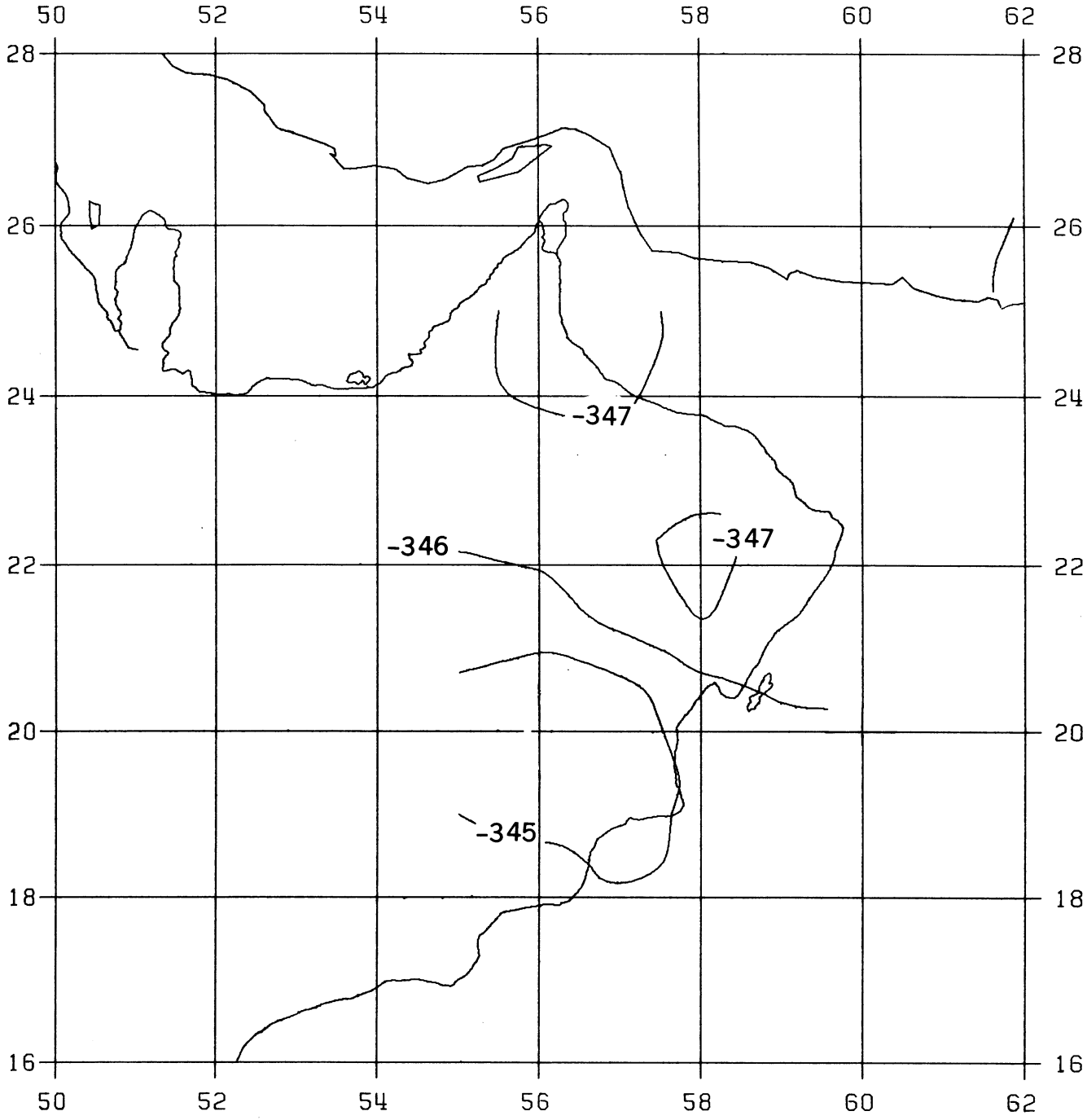

Figure 14.82. Contour Chart - Oman Datum to WGS 84 Datum Shifts, ΔX Component (Contour Interval = 1 Meter)

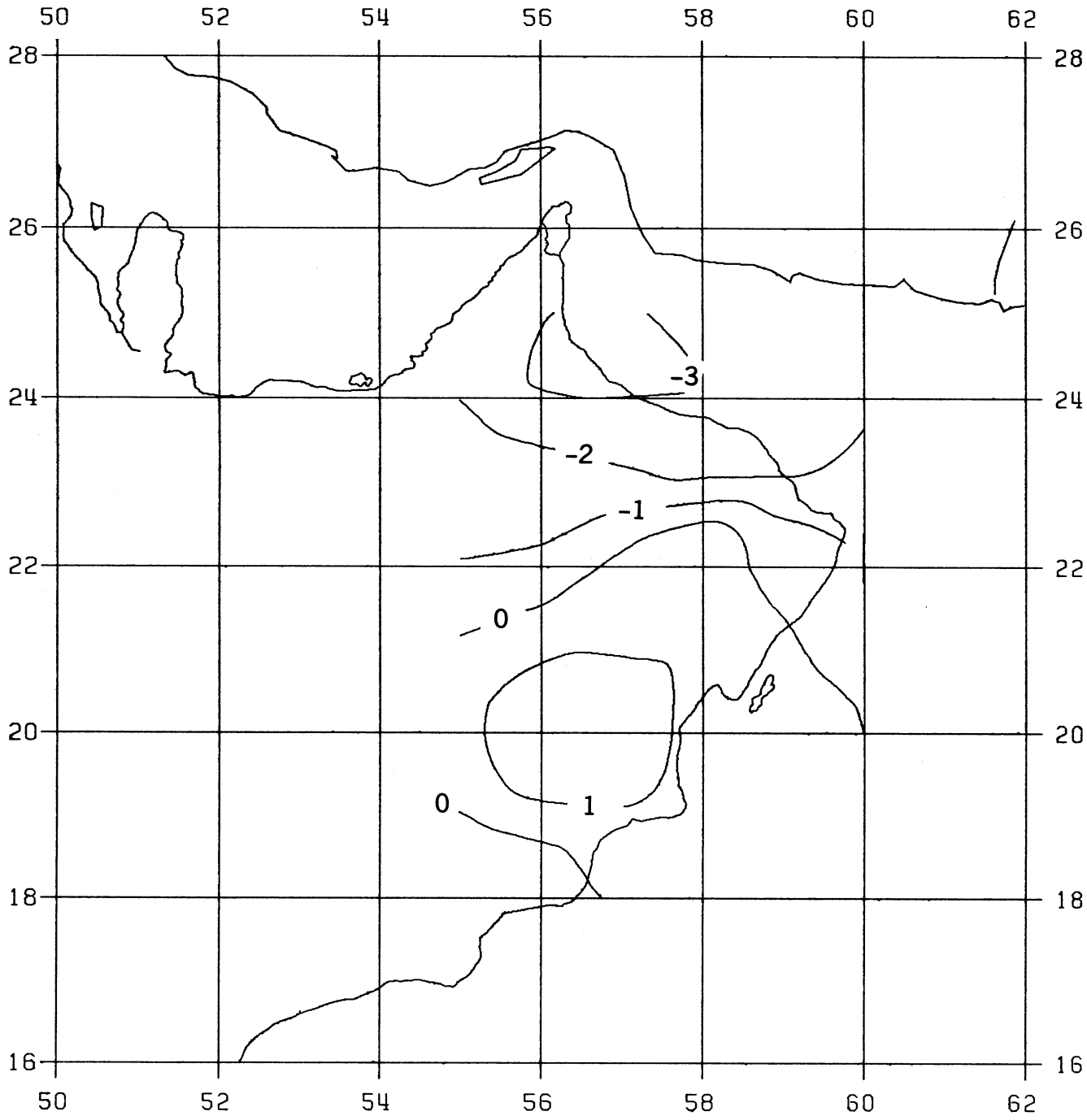

Figure 14.83. Contour Chart - Oman Datum to WGS 84 Datum Shifts, △Y Component (Contour Interval = 1 Meter)

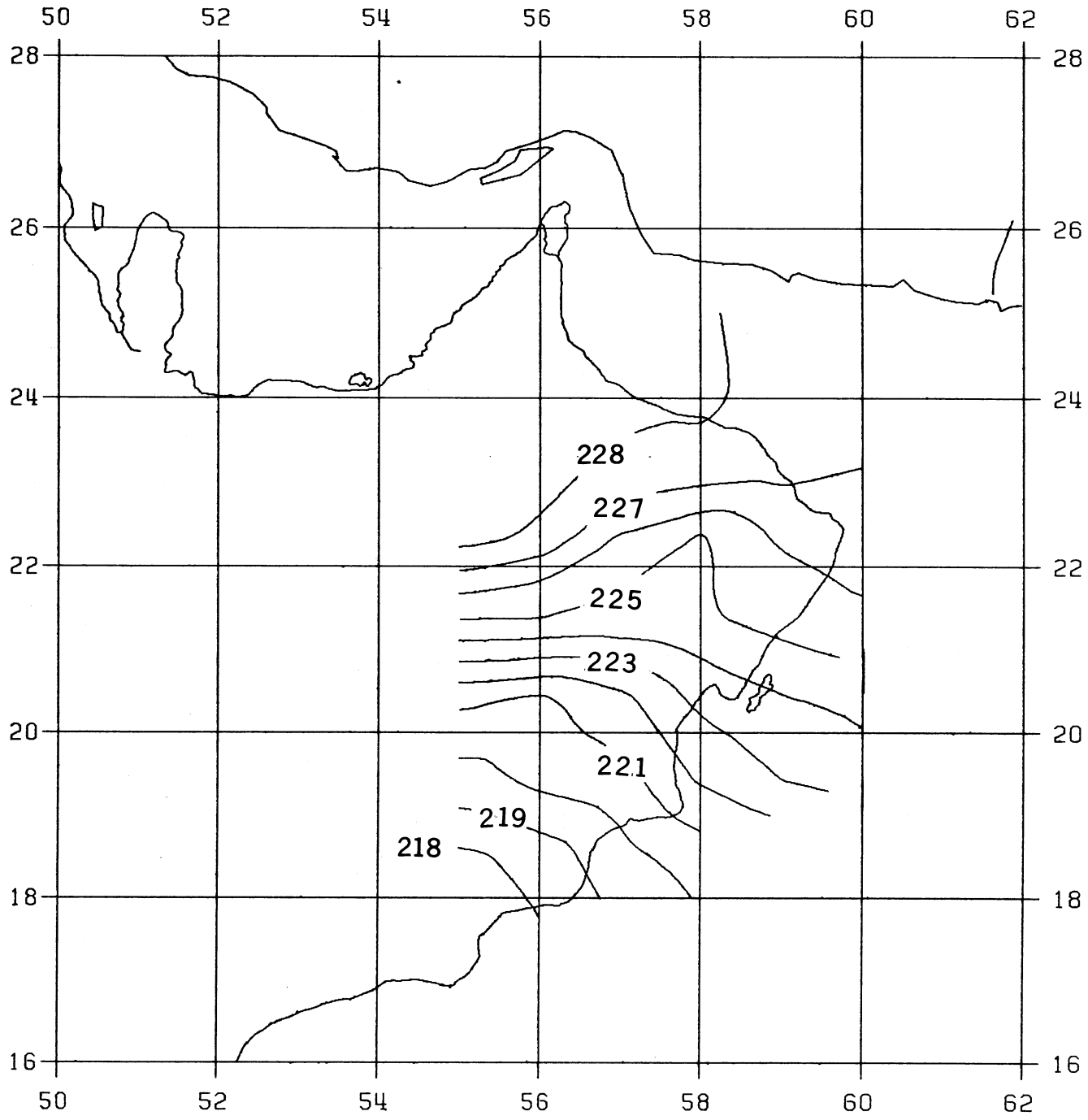

Figure 14.84. Contour Chart - Oman Datum to WGS 84 Datum Shifts, △Z Component (Contour Interval = 1 Meter)

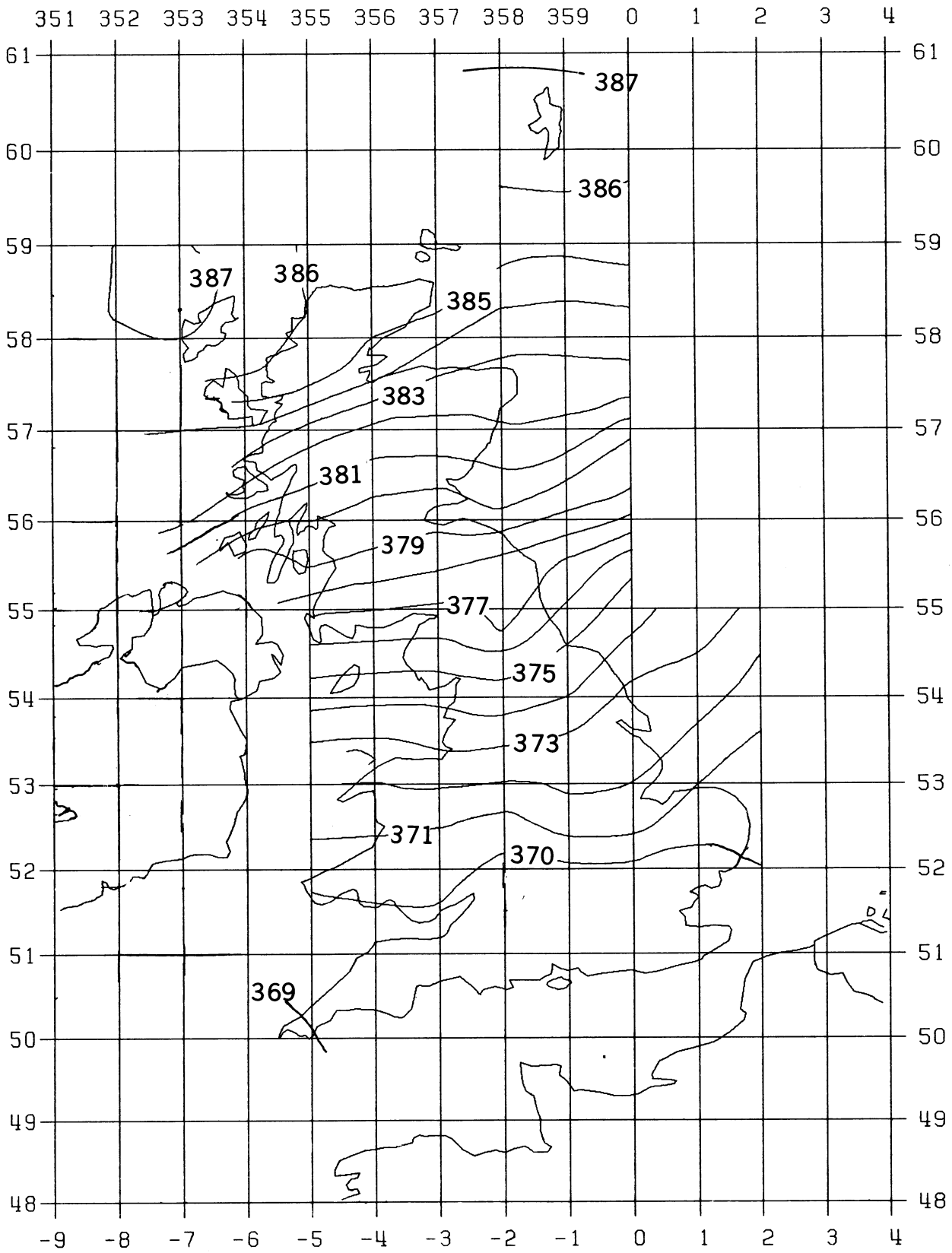

Figure 14.85. Contour Chart - Ordnance Survey of Great Britain 1936 Datum to WGS 84 Datum Shifts, ΔX Component (Contour Interval = 1 Meter)

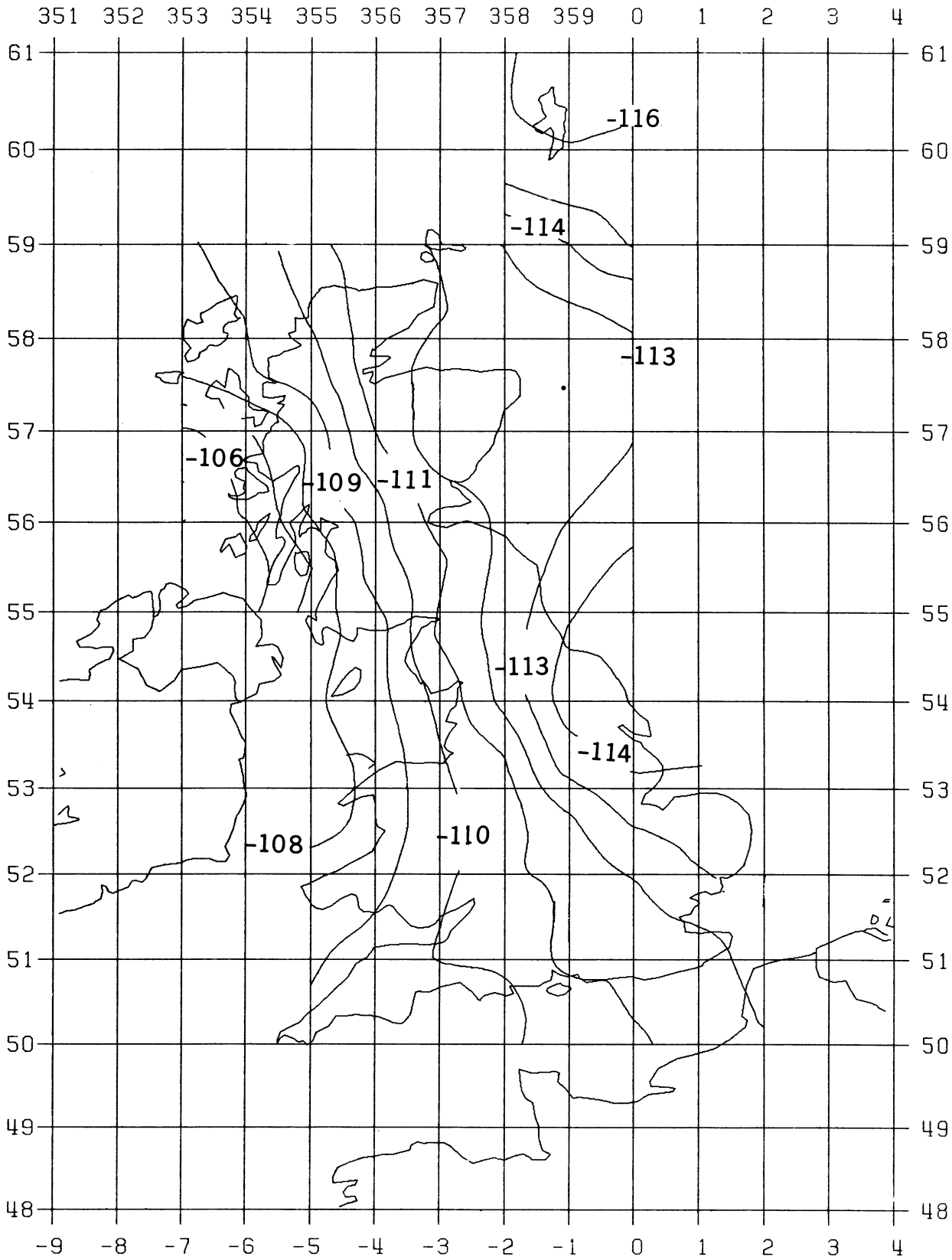

Figure 14.86. Contour Chart -- Ordnance Survey of Great Britain 1936 Datum to WGS 84 Datum Shifts, ΔY Component (Contour Interval = 1 Meter)

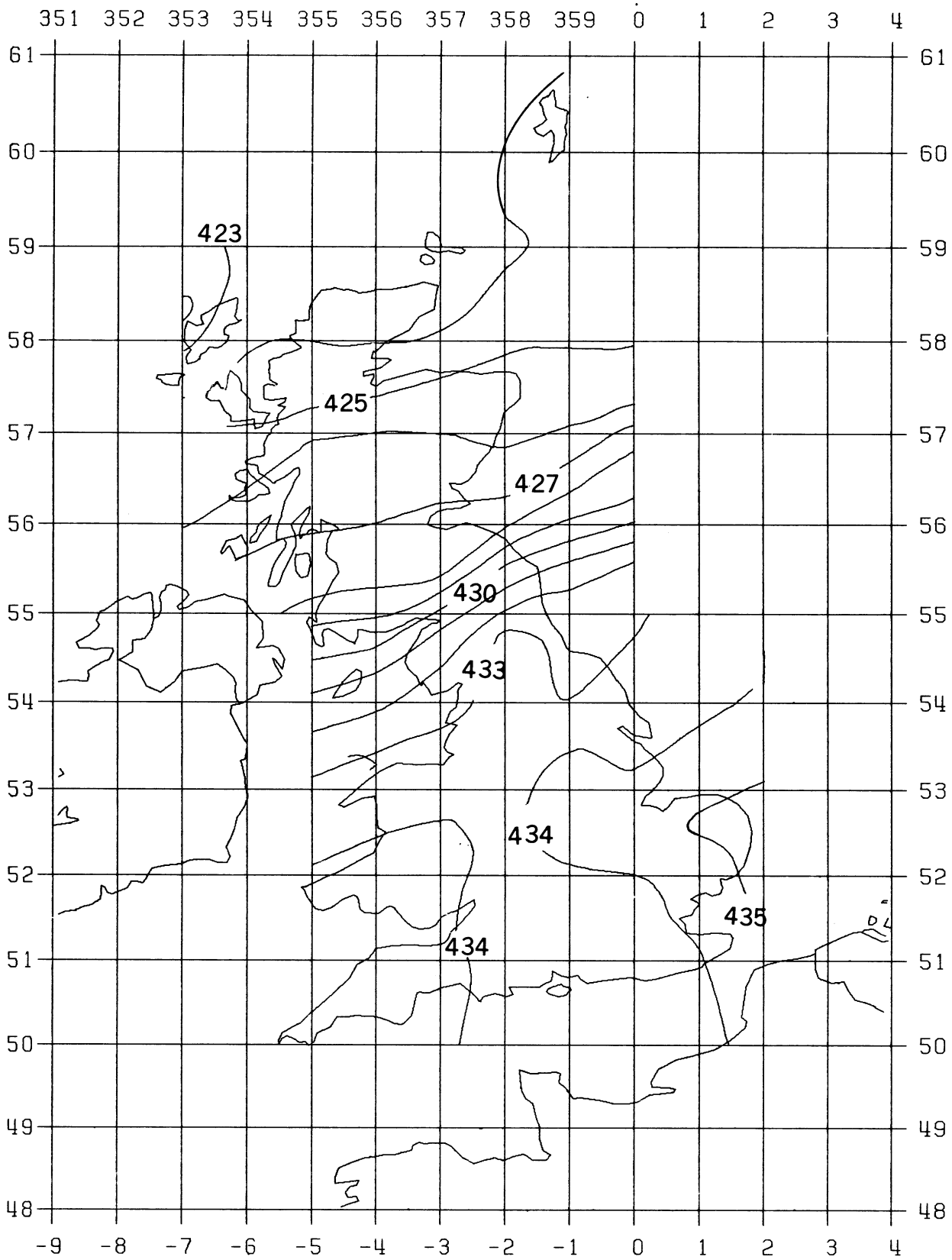

Figure 14.87. Contour Chart – Ordnance Survey of Great Britain 1936 Datum to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 1 Meter)

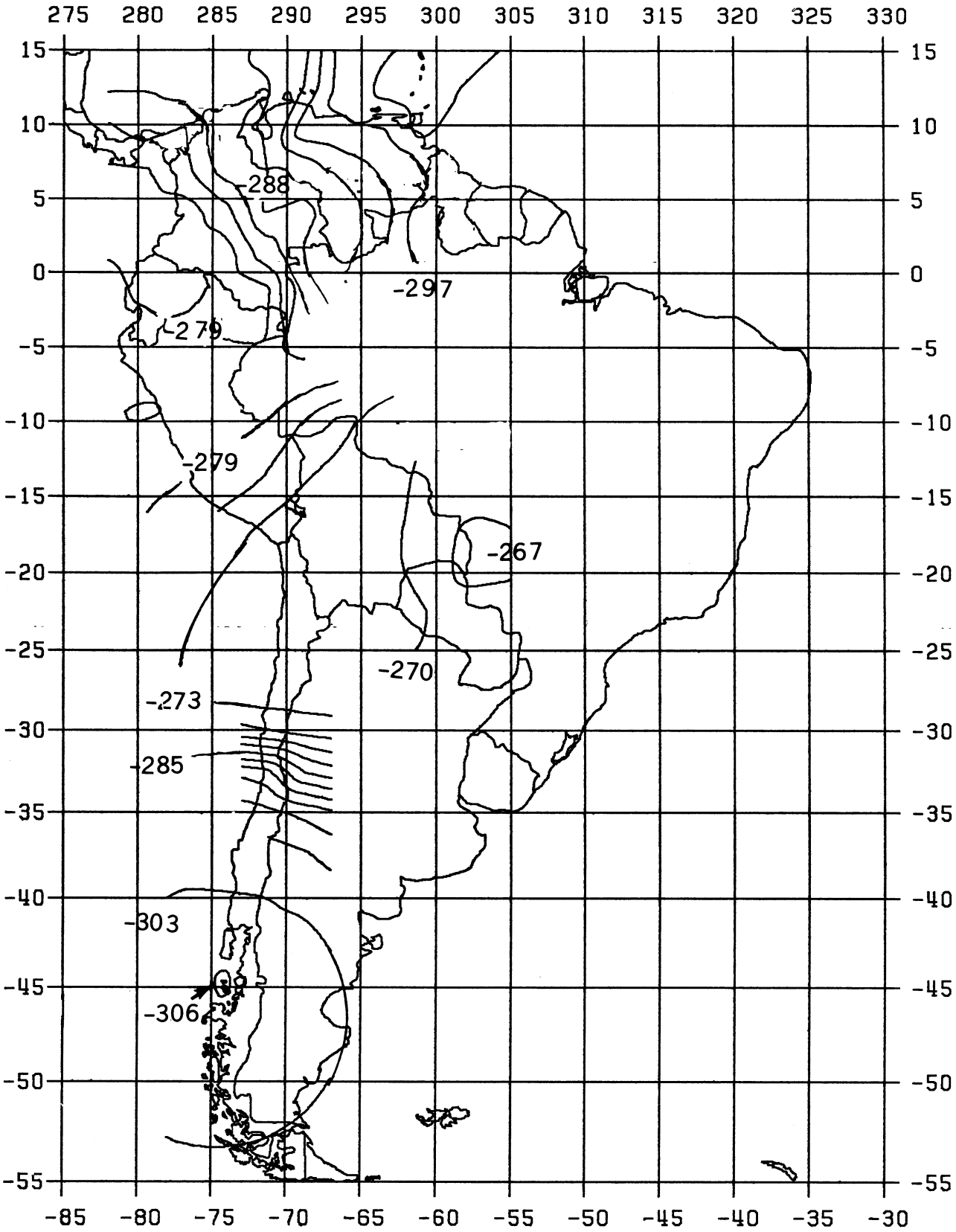

Figure 14.88. Contour Chart - Provisional South American Datum 1956 to WGS 84 Datum Shifts, △X Component (Contour Interval = 3 Meters)

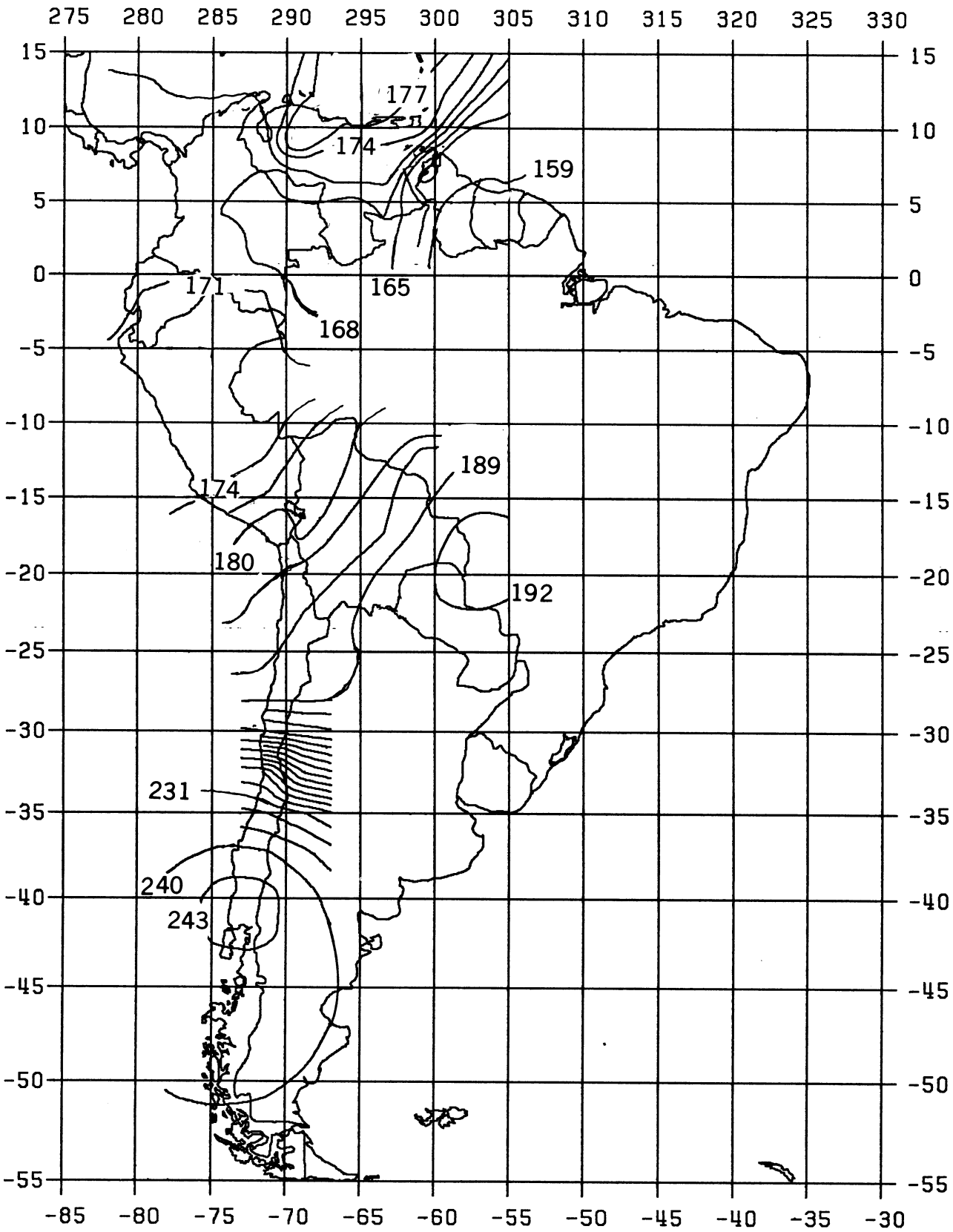

Figure 14.89. Contour Chart - Provisional South American Datum 1956 to WGS 84 Datum Shifts, △Y Component (Contour Interval = 3 Meters)

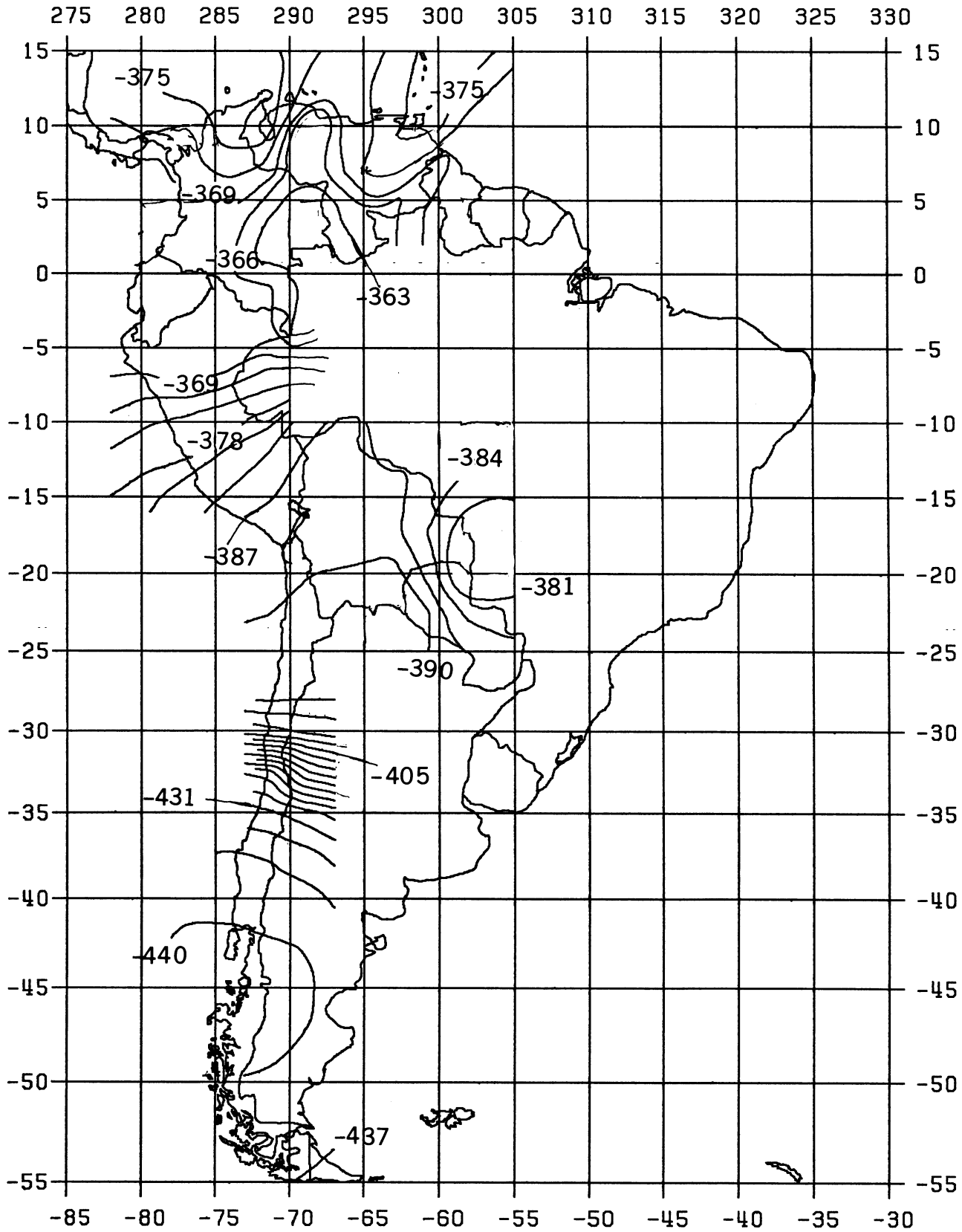

Figure 14.90. Contour Chart - Provisional South American Datum 1956 to WGS 84 Datum Shifts, $\triangle Z$ Component (Contour Interval = 3 Meters)

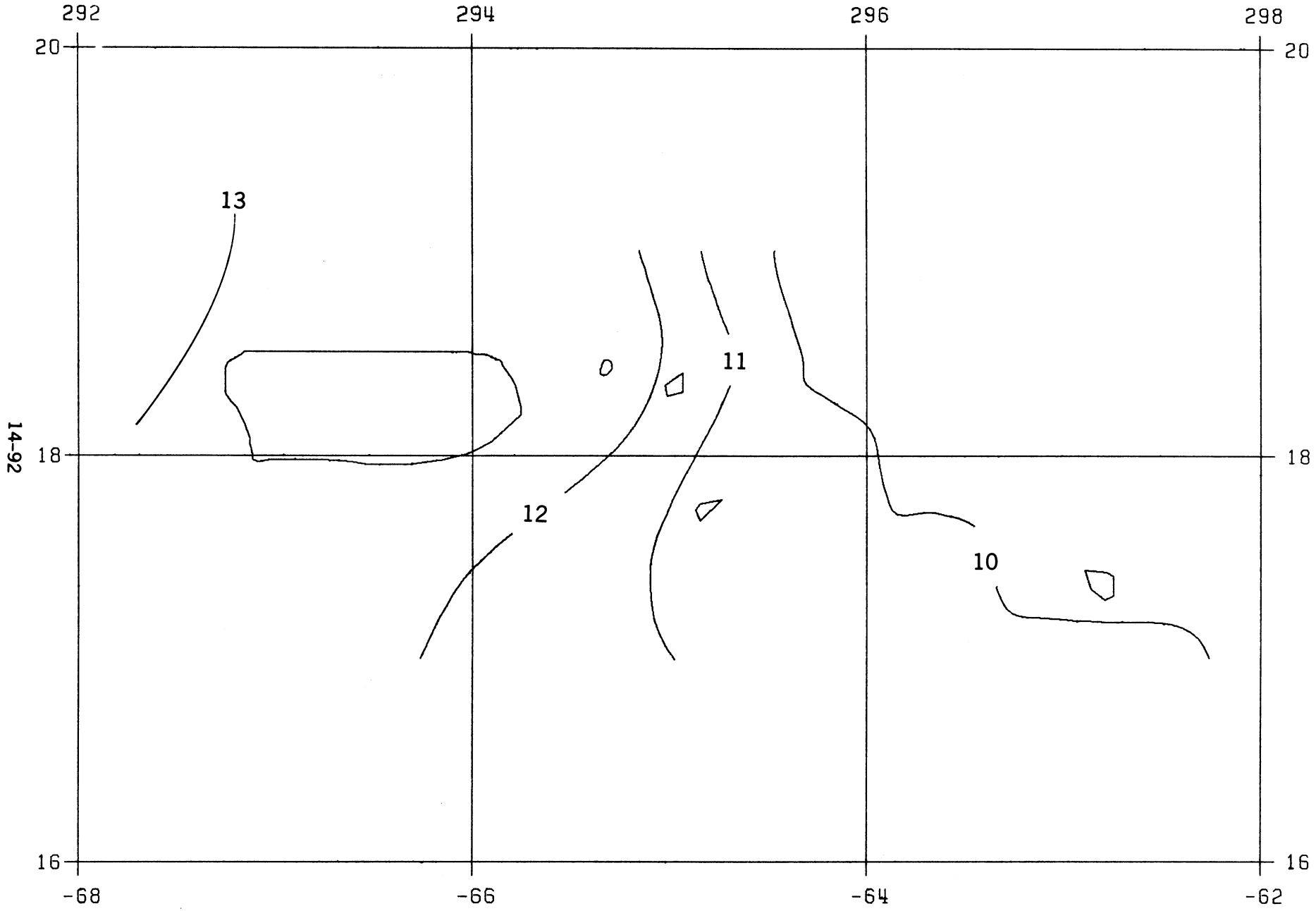

Figure 14.91. Contour Chart - Puerto Rico Datum to WGS 84 Datum Shifts, △X Component (Contour Interval = 1 Meter)

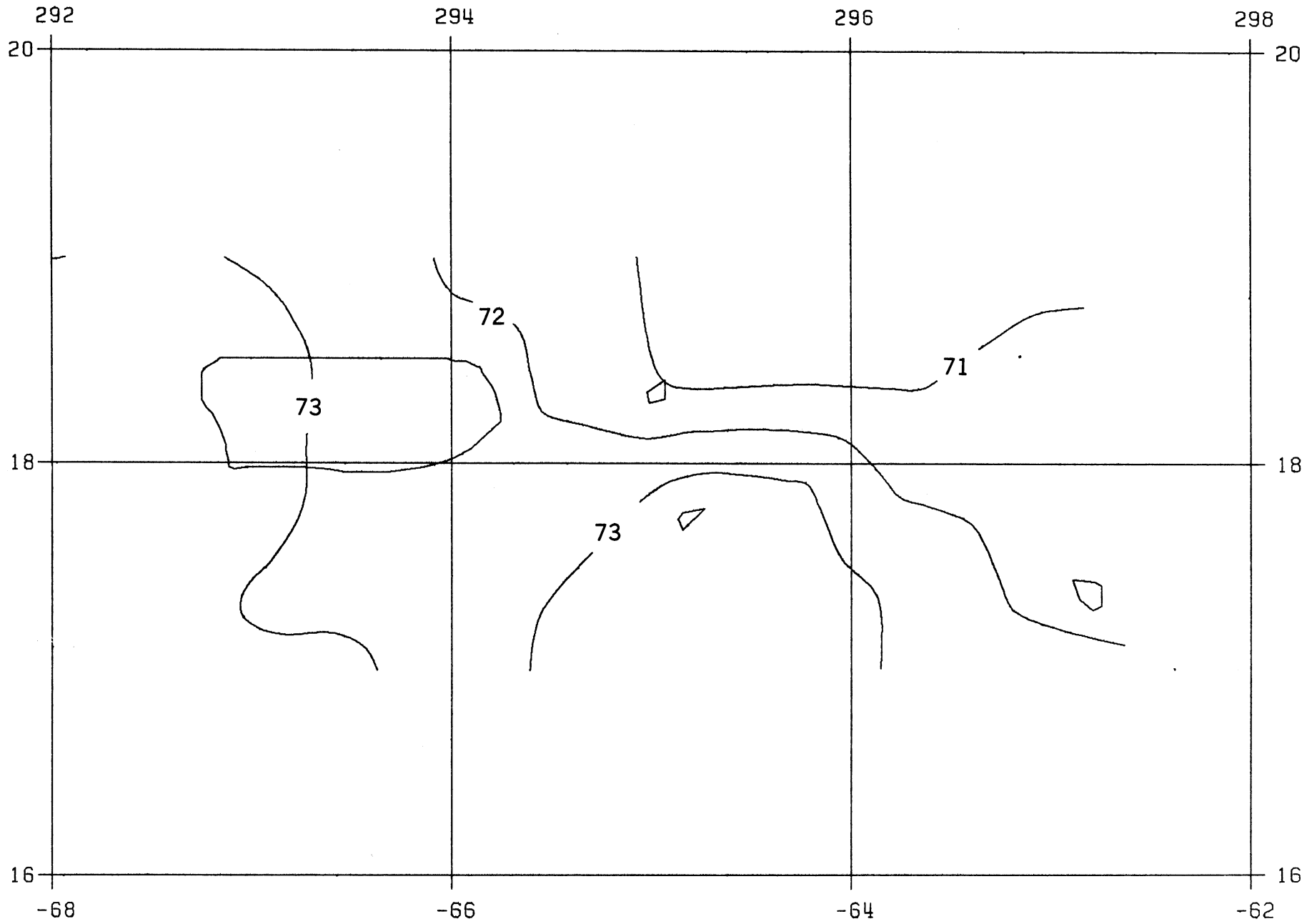

Figure 14.92. Contour Chart - Puerto Rico Datum to WGS 84 Datum Shifts, ΔY Component (Contour Interval = 1 Meter)

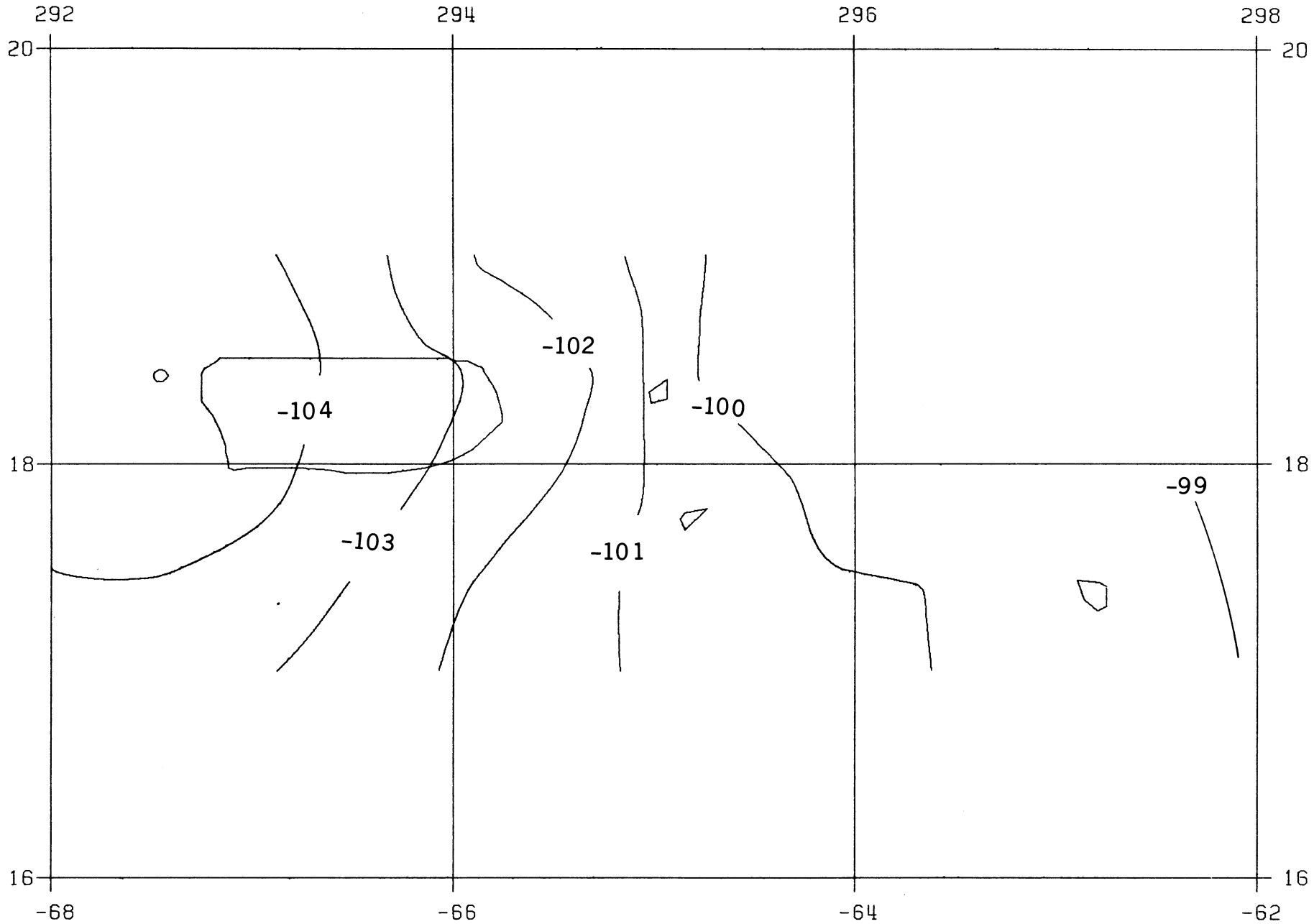

Figure 14.93. Contour Chart - Puerto Rico Datum to WGS 84 Datum Shifts, △Z Component (Contour Interval = 1 Meter)

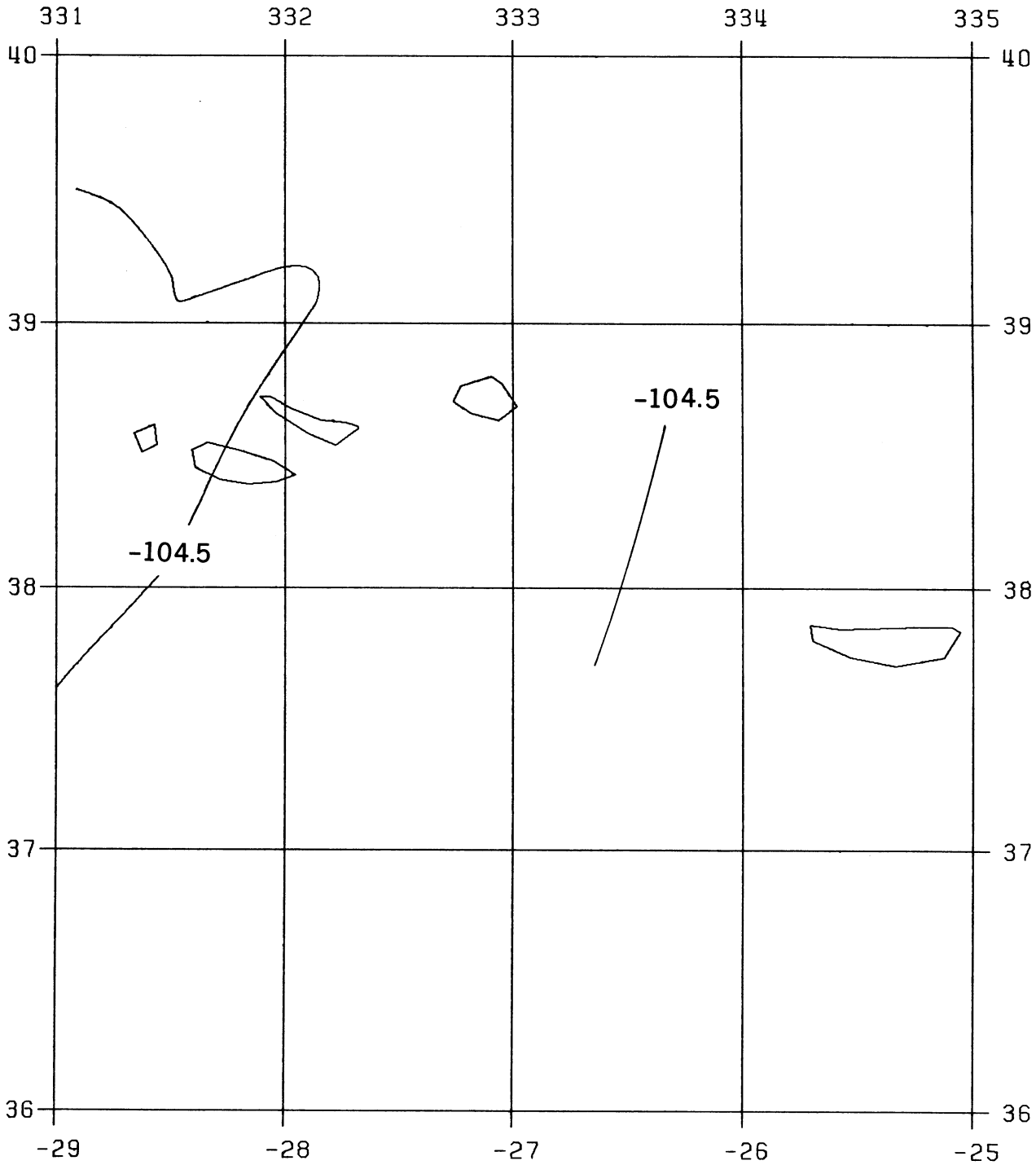

Figure 14.94. Contour Chart - Southwest Base Datum to WGS 84 Datum Shifts, △X Component (Contour Interval = 0.5 Meter)

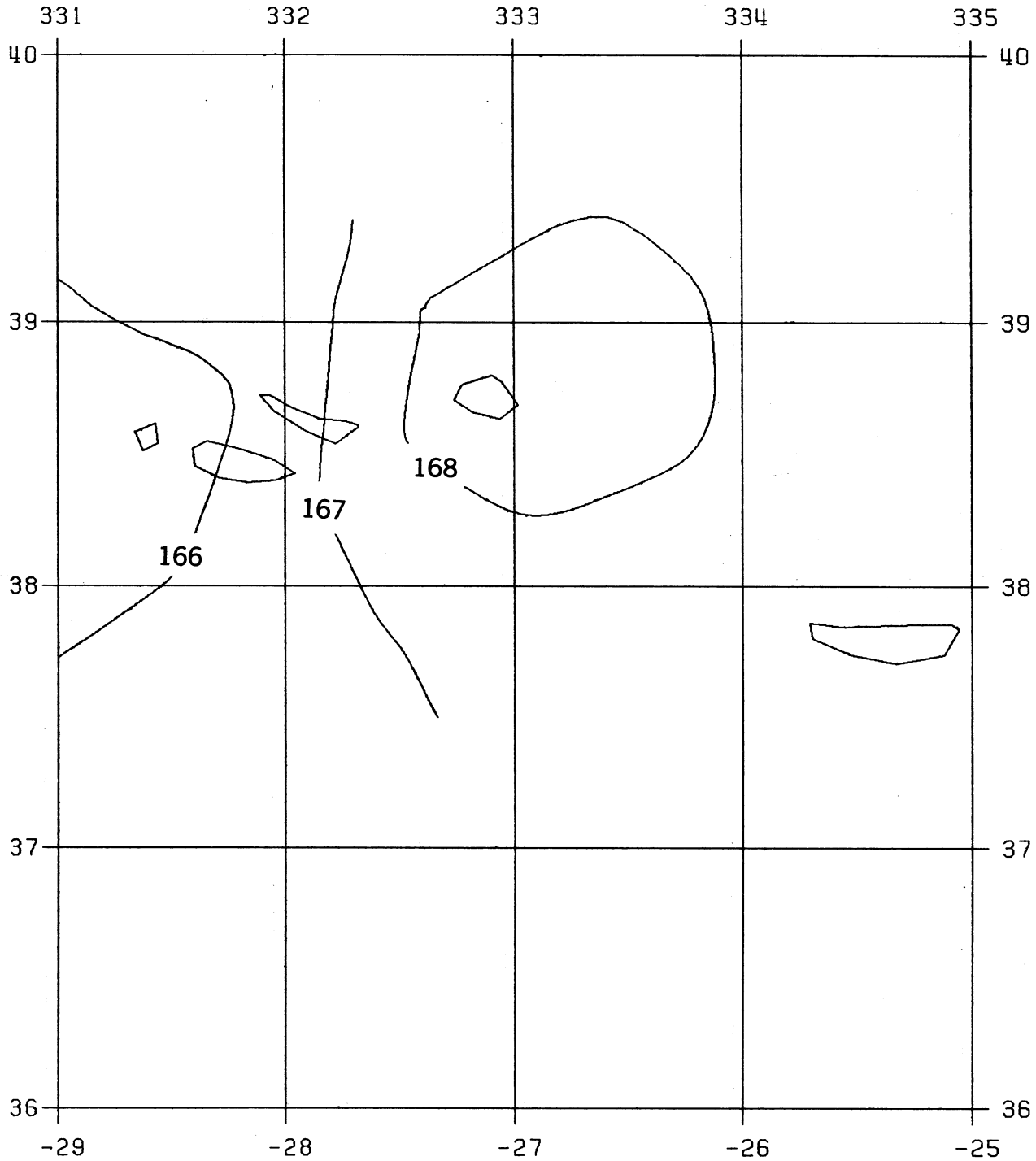

Figure 14.95. Contour Chart - Southwest Base Datum to WGS 84 Datum Shifts, △Y Component (Contour Interval = 1 Meter)

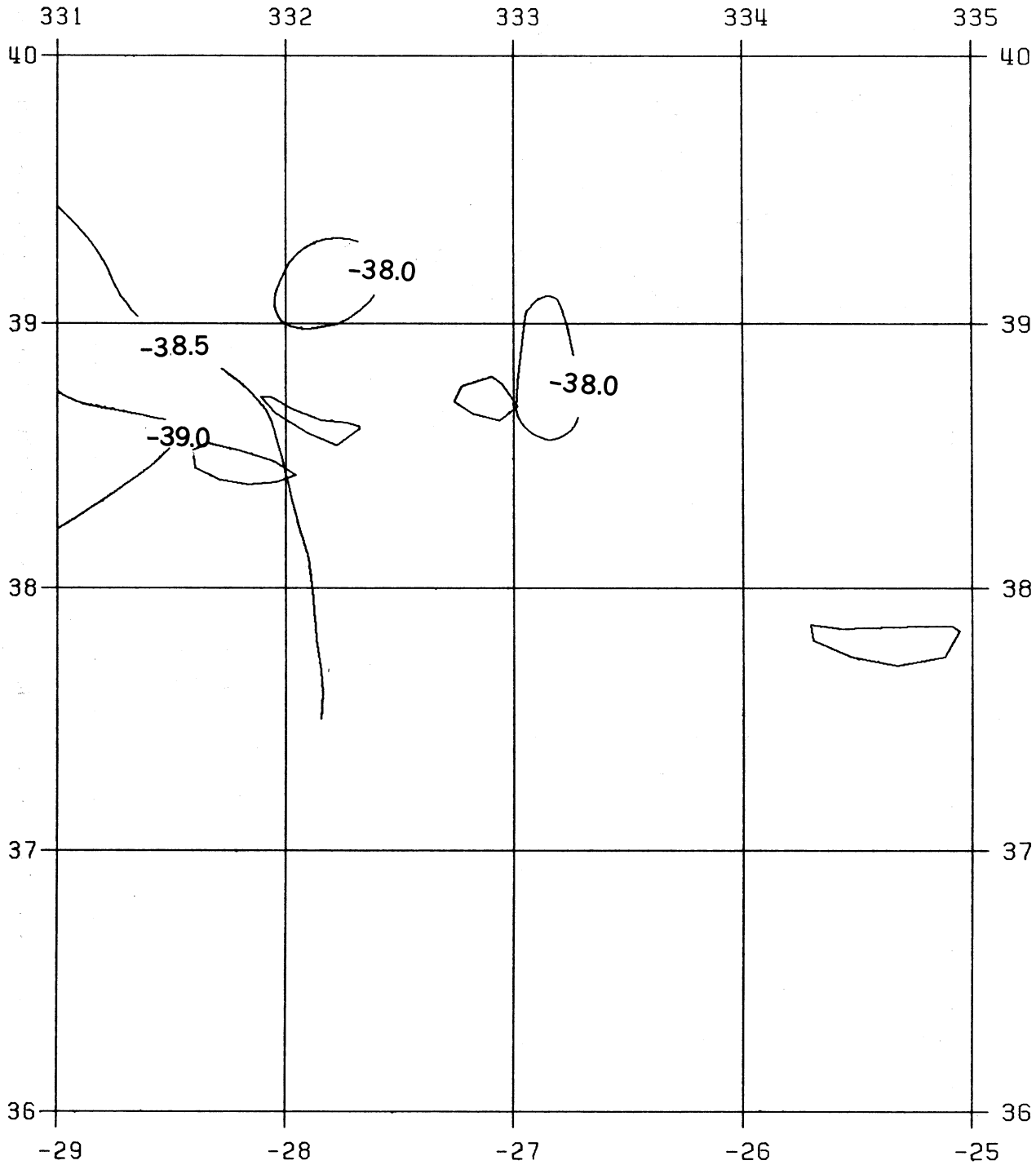

Figure 14.96. Contour Chart – Southwest Base Datum to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 0.5 Meter)

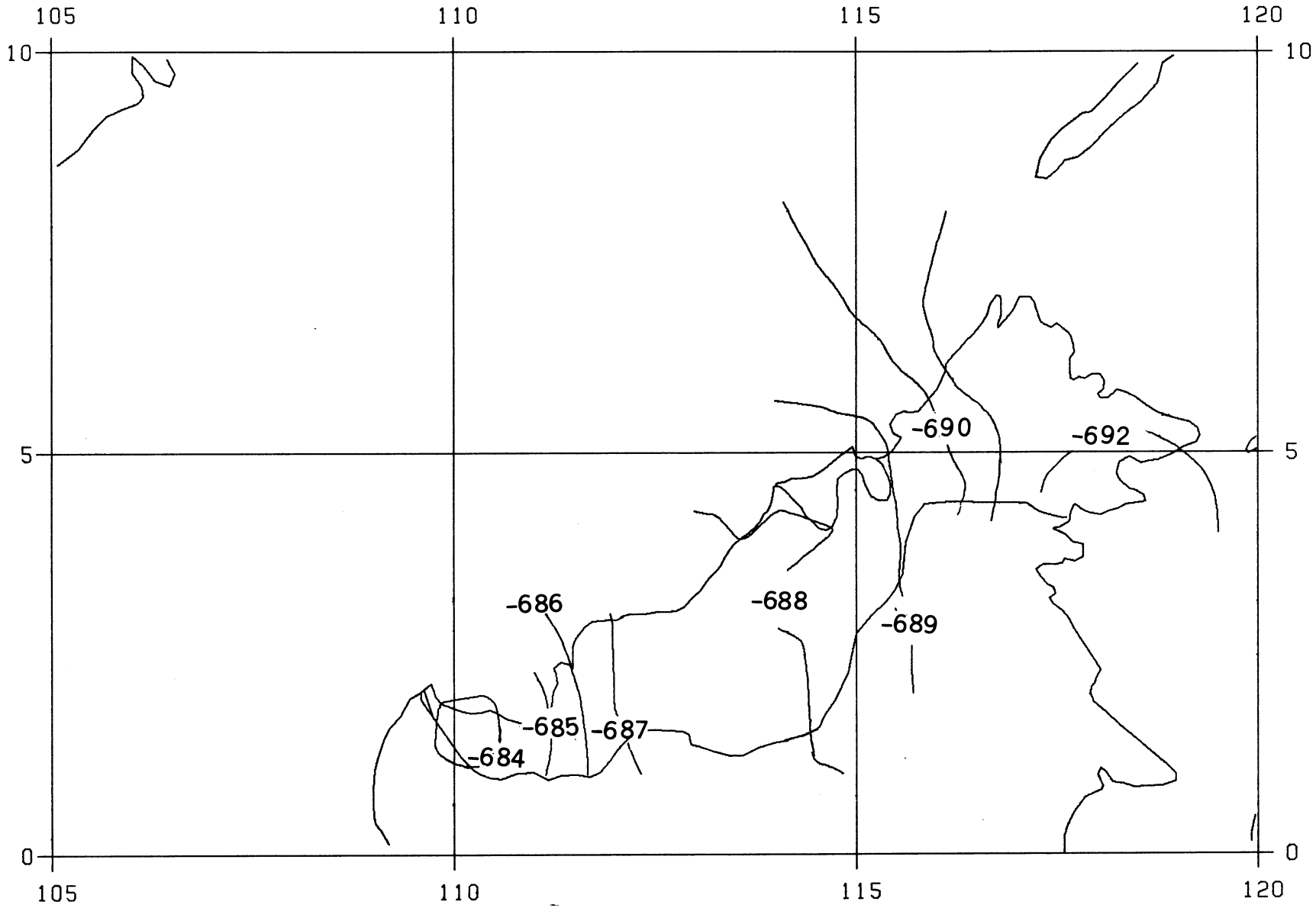

Figure 14.97. Contour Chart - Timbalai Datum 1948 to WGS 84 Datum Shifts, ΔX Component (Contour Interval = 1 Meter)

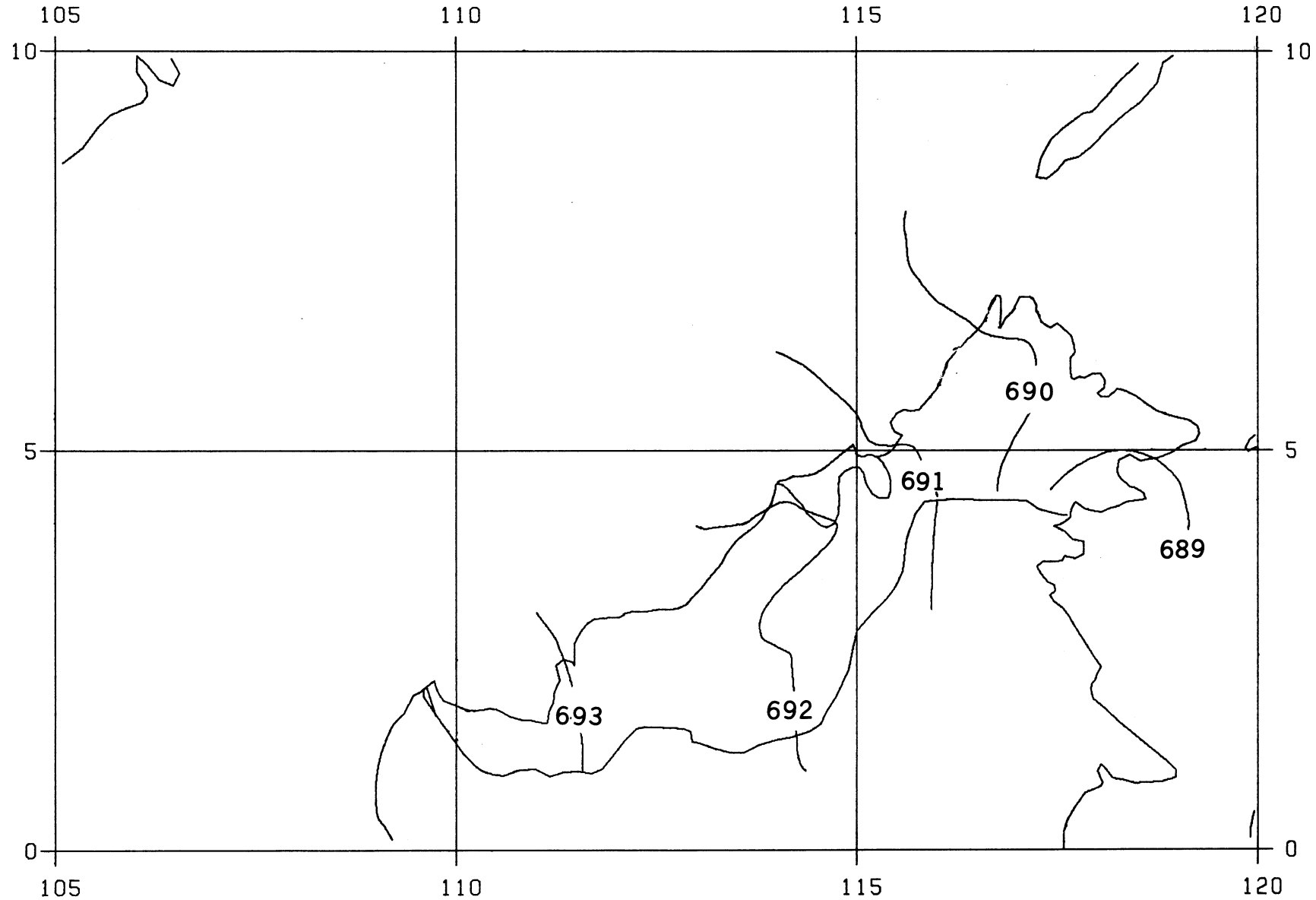

Figure 14.98. Contour Chart - Timbalai Datum 1948 to WGS 84 Datum Shifts, ΔY Component (Contour Interval = 1 Meter)

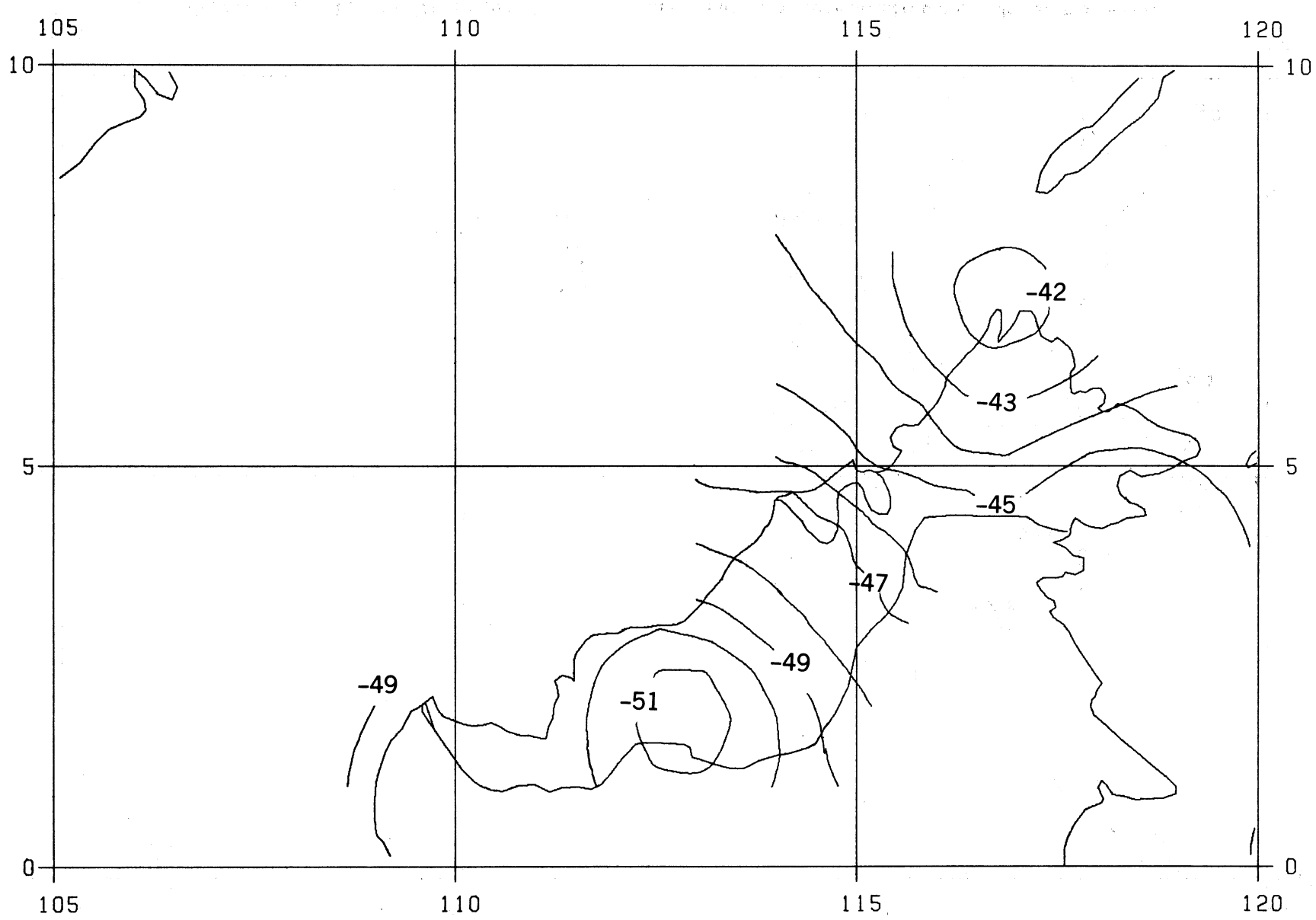

Figure 14.99. Contour Chart - Timbalai Datum 1948 to WGS 84 Datum Shifts, △Z Component (Contour Interval = 1 Meter)

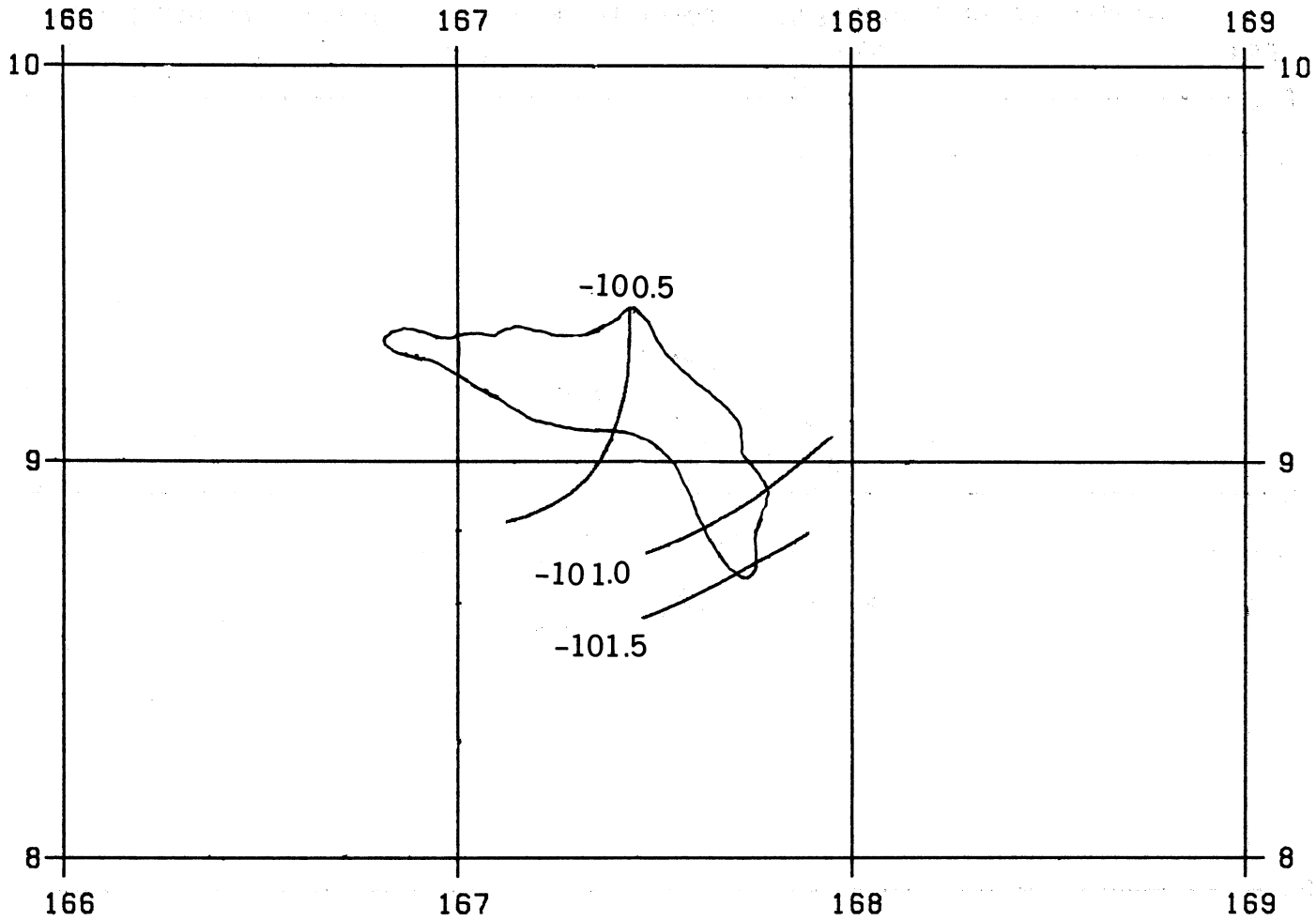

Figure 14.100. Contour Chart - Wake-Eniwetok Datum 1960 to WGS 84 Datum Shifts, △X Component (Contour Interval = 0.5 Meter)

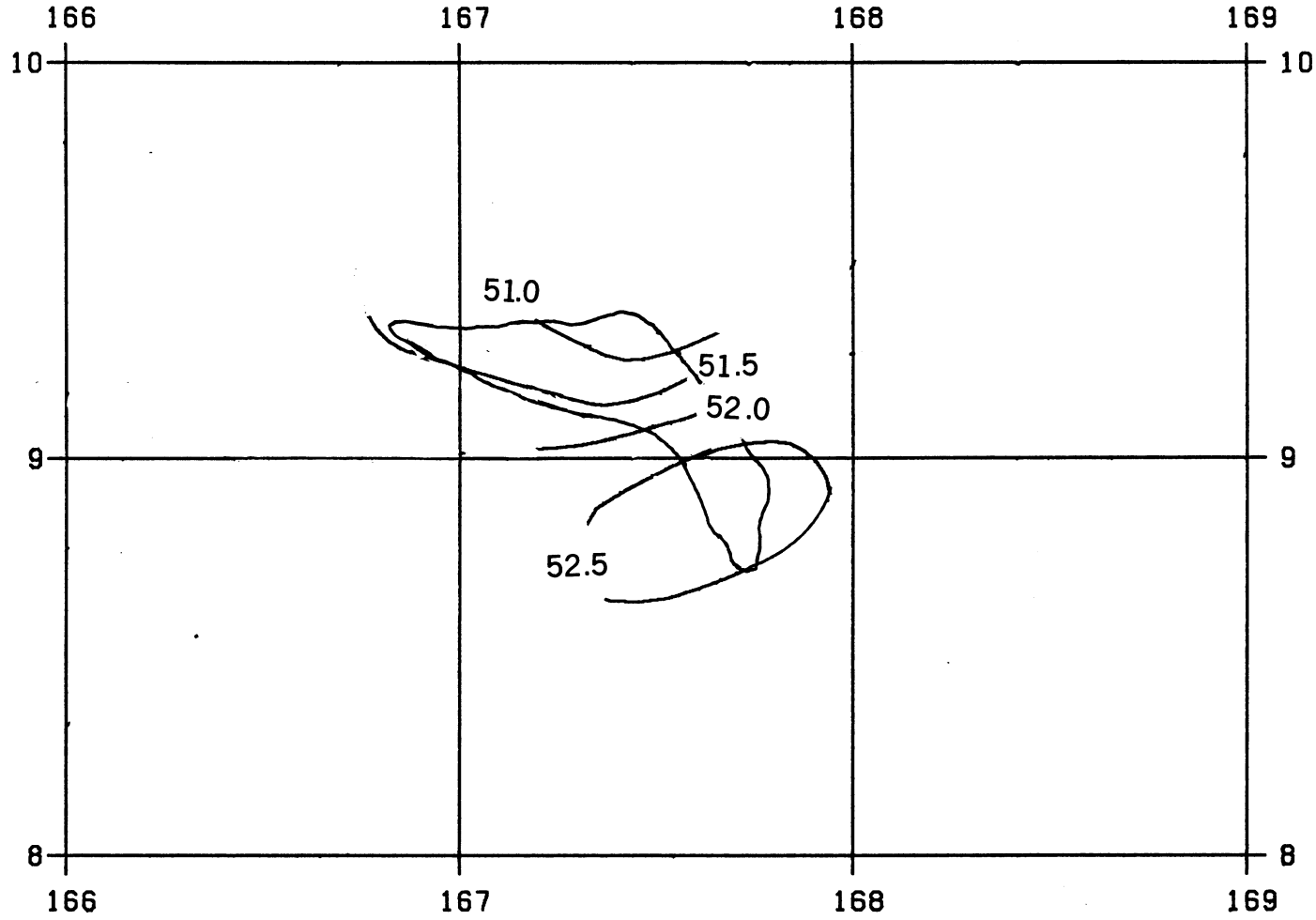

Figure 14.101. Contour Chart – Wake-Eniwetok Datum 1960 to WGS 84 Datum Shifts, ΔY Component (Contour Interval = 0.5 Meter)

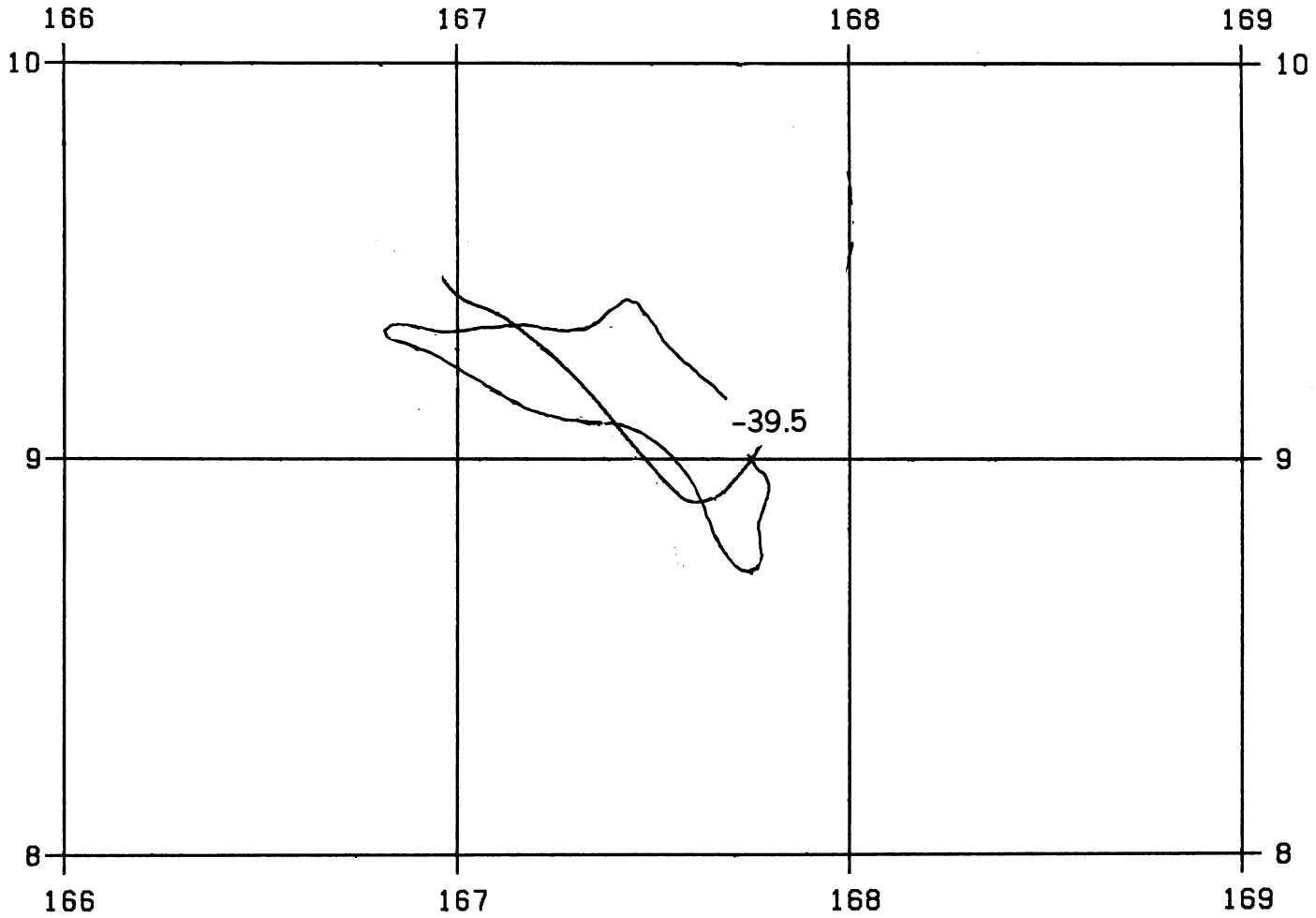

Figure 14.102. Contour Chart – Wake-Eniwetok Datum 1960 to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 0.5 Meter)

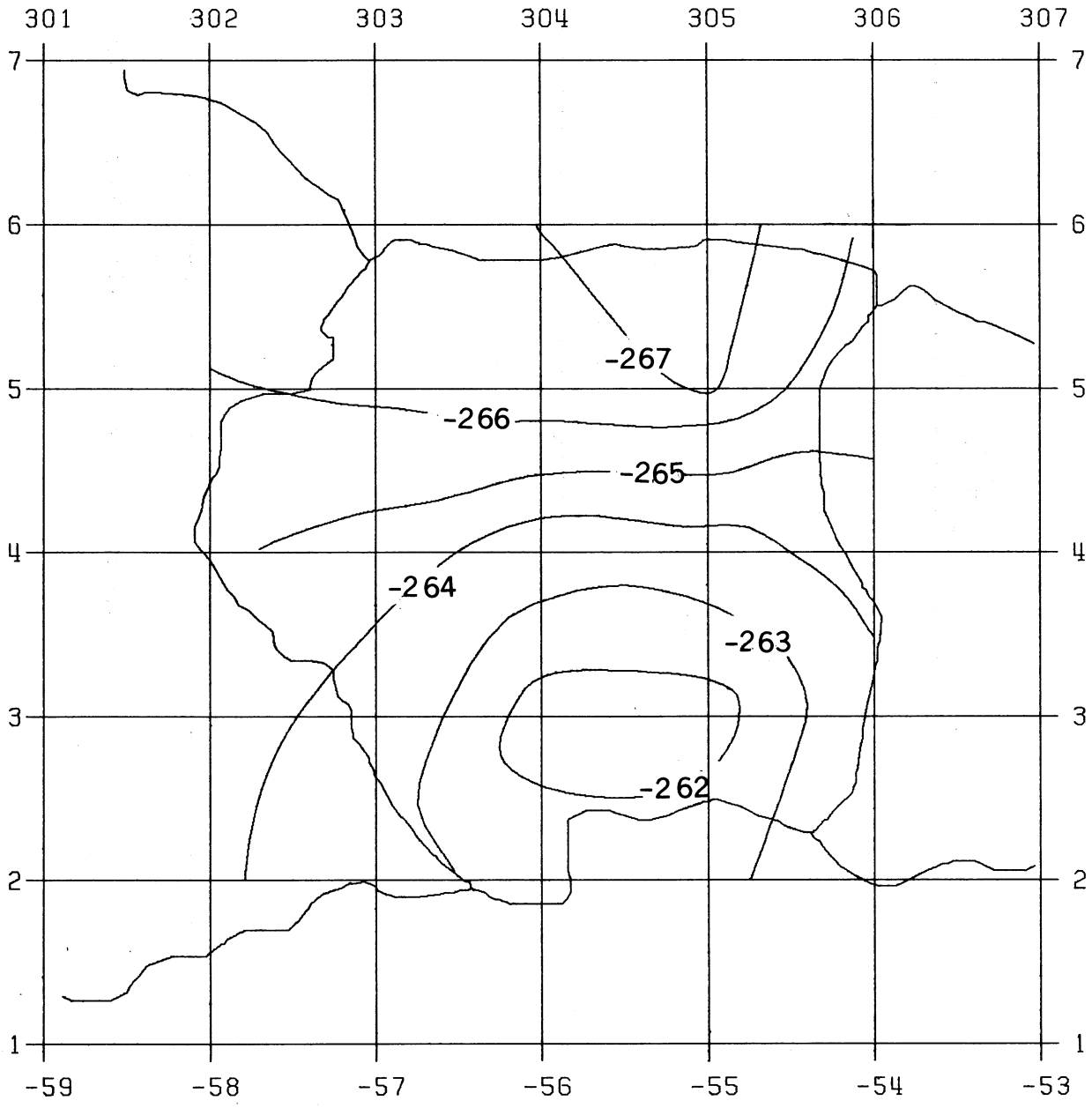

Figure 14.103. Contour Chart - Zanderij Datum to WGS 84 Datum Shifts, ΔX Component (Contour Interval = 1 Meter)

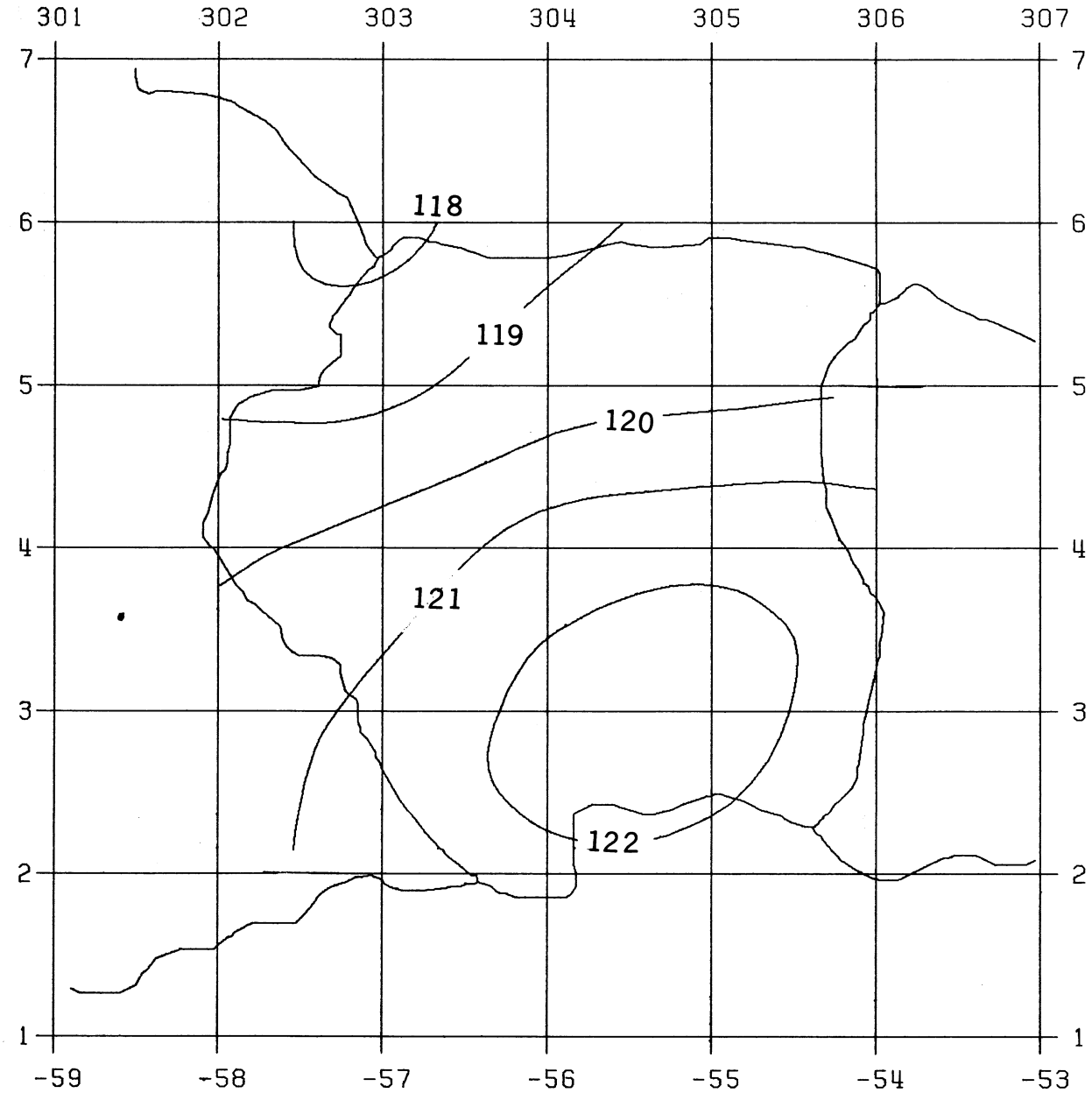

Figure 14.104. Contour Chart - Zanderij Datum to WGS 84 Datum Shifts, ΔY Component (Contour Interval = 1 Meter)

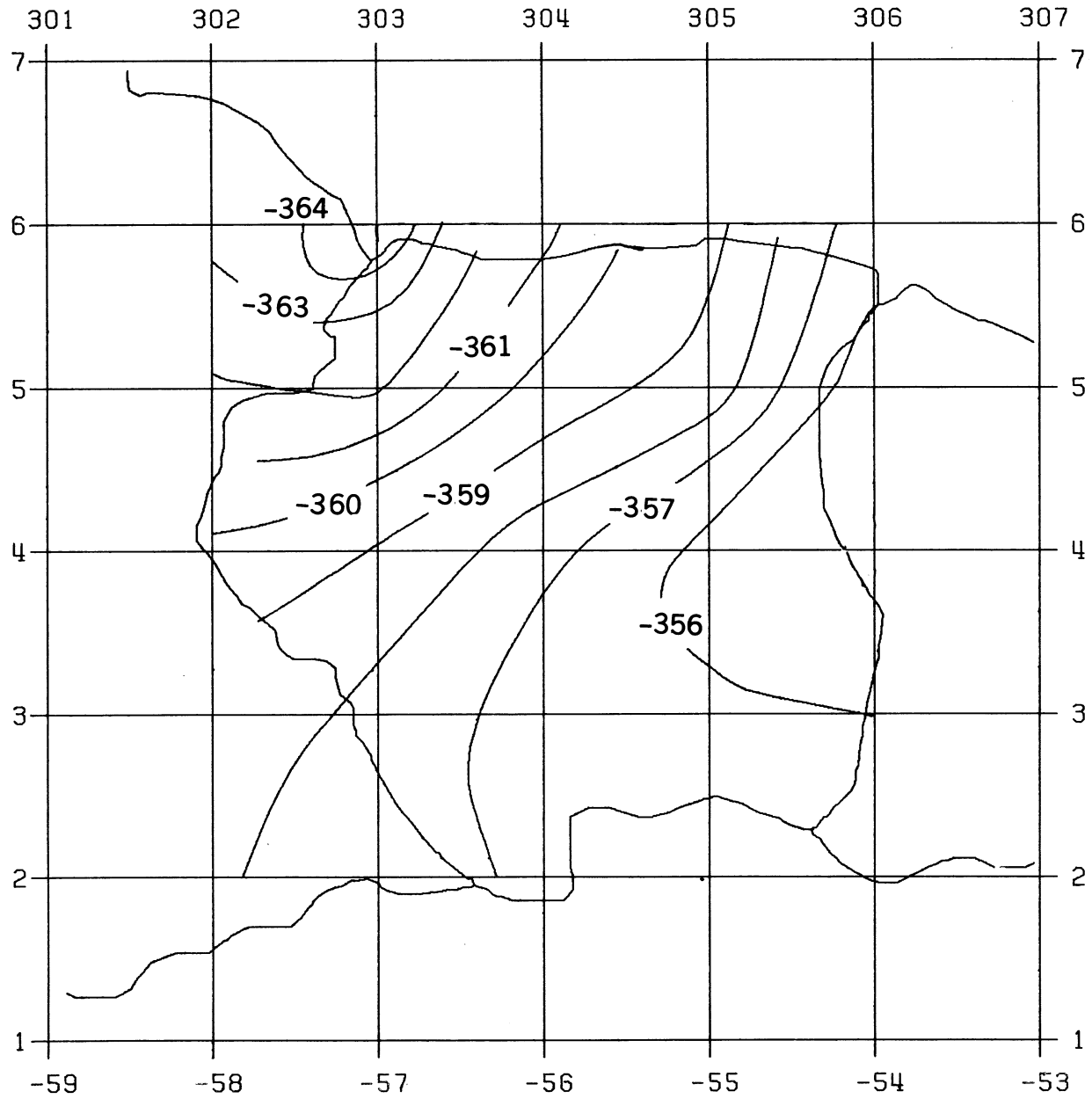

Figure 14.105. Contour Chart - Zanderij Datum to WGS 84 Datum Shifts, ΔZ Component (Contour Interval = 1 Meter)