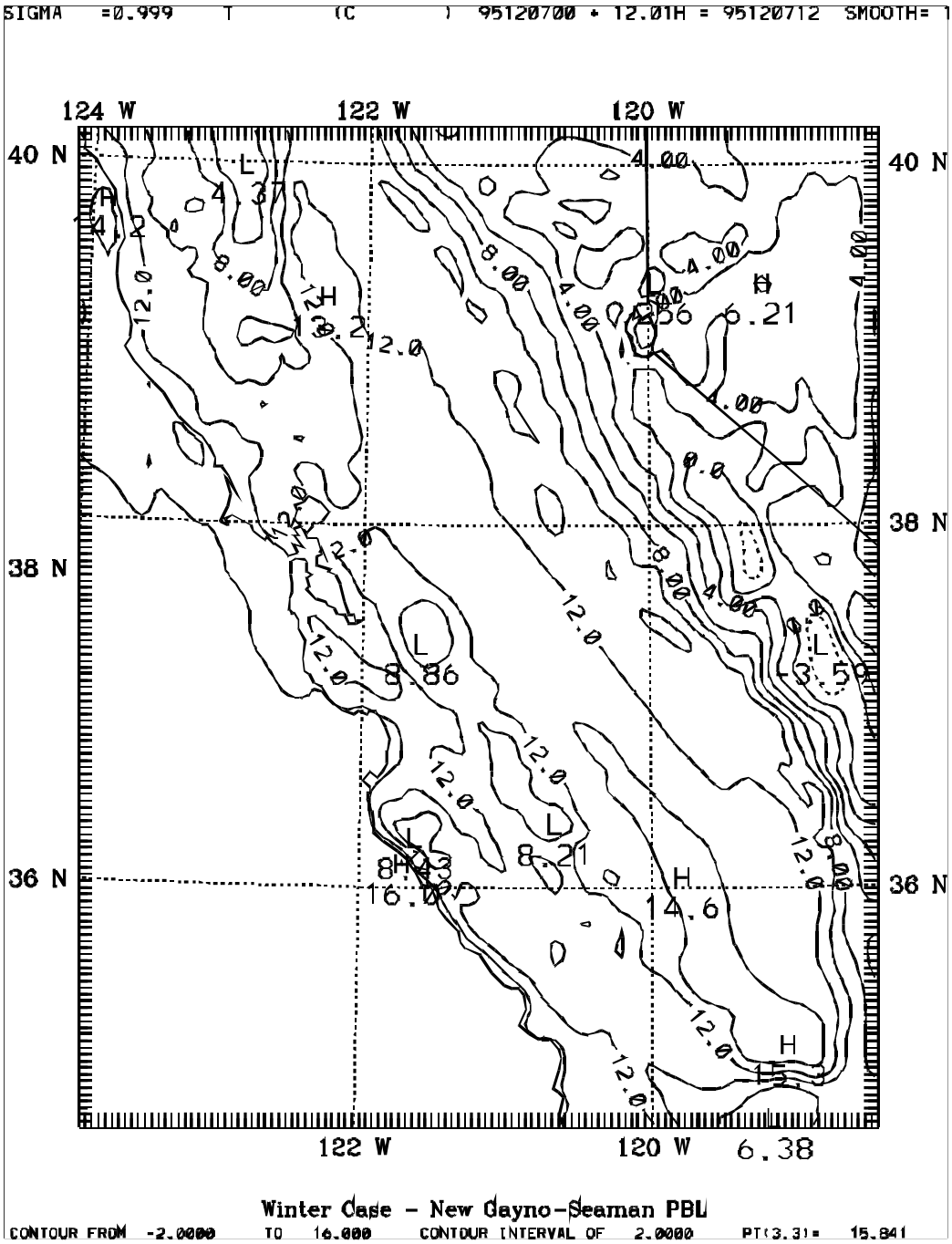

Figure 28. MM5 simulated temperatures(C) in the surface layer (6 m AGL) on the 4-km domain, valid for 1200 UTC, 7 December 1995, (+12 h) in Exp. GS-2. Isotherm interval is 2 C.

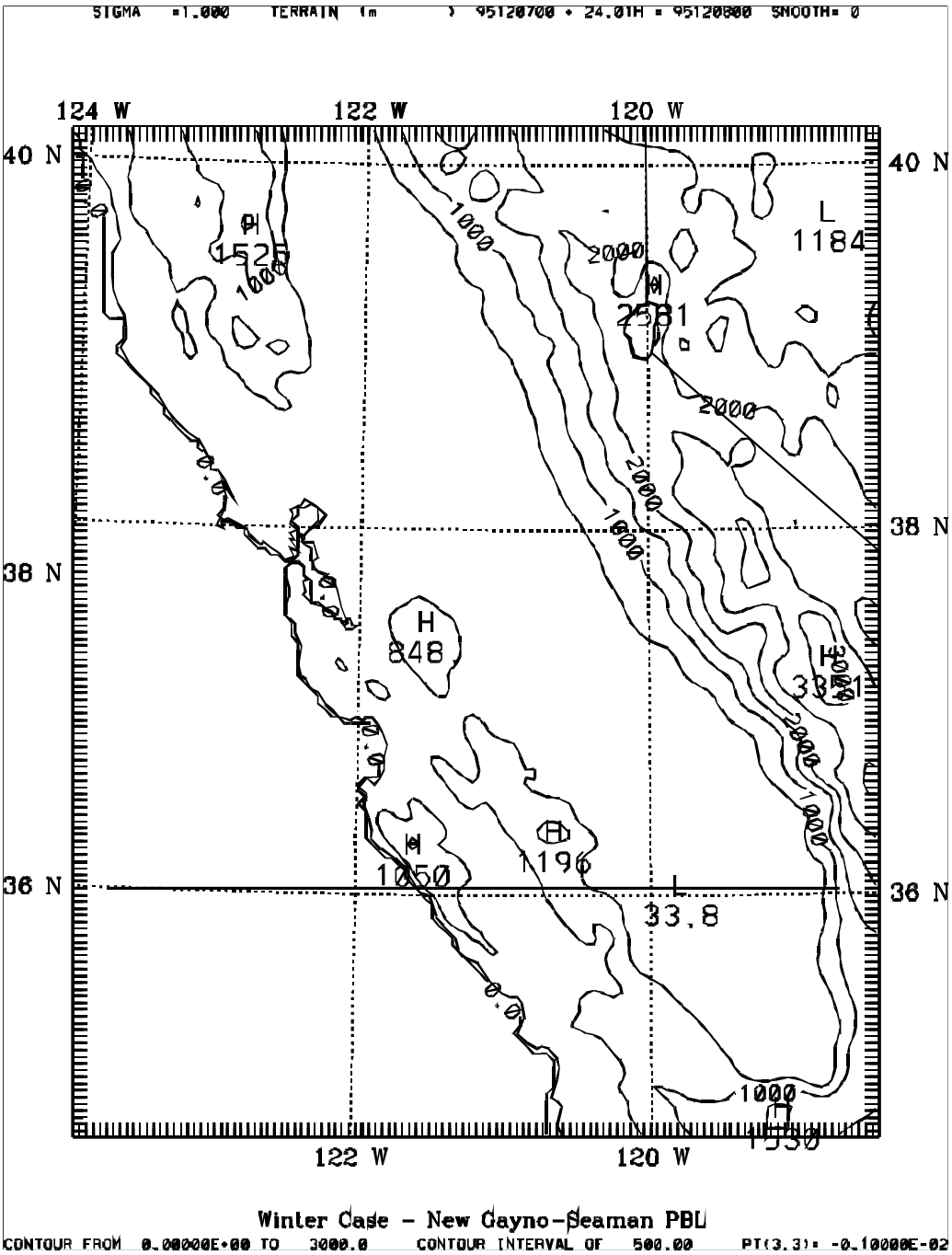

Figure 29. Location of east-west cross section along 36 N, between Fresno and Bakersfield, CA, overlaid on 4-km terrain (plotted with 500 m contour intervals).

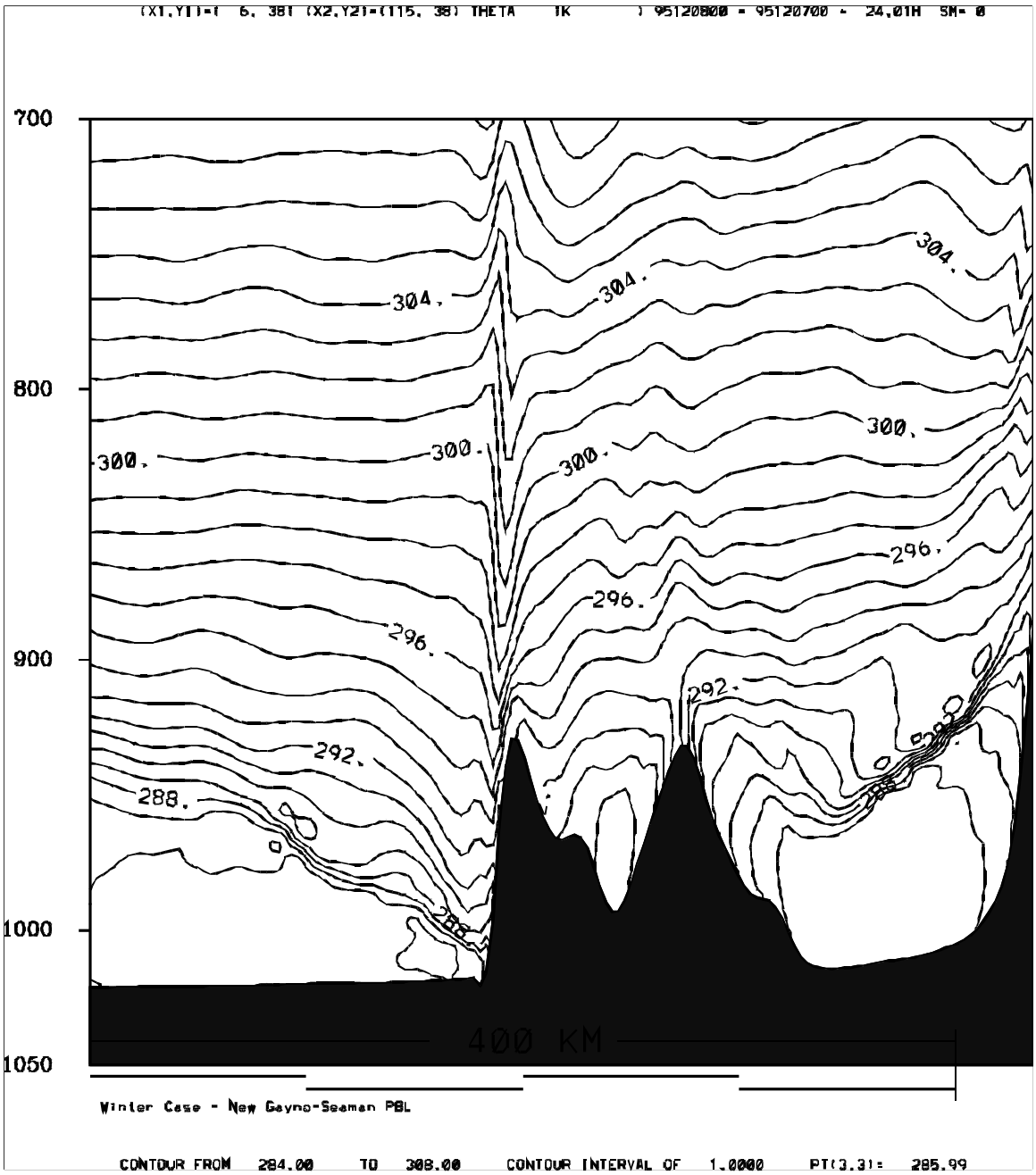

Figure 30. MM5 simulated potential temperature, q (K), on the 4-km domain plotted in the plane of the Fresno cross section, valid for 0000 UTC, 8 December 1995 (+24 h) in Exp. GS-2. Isentrope interval is 1 K.

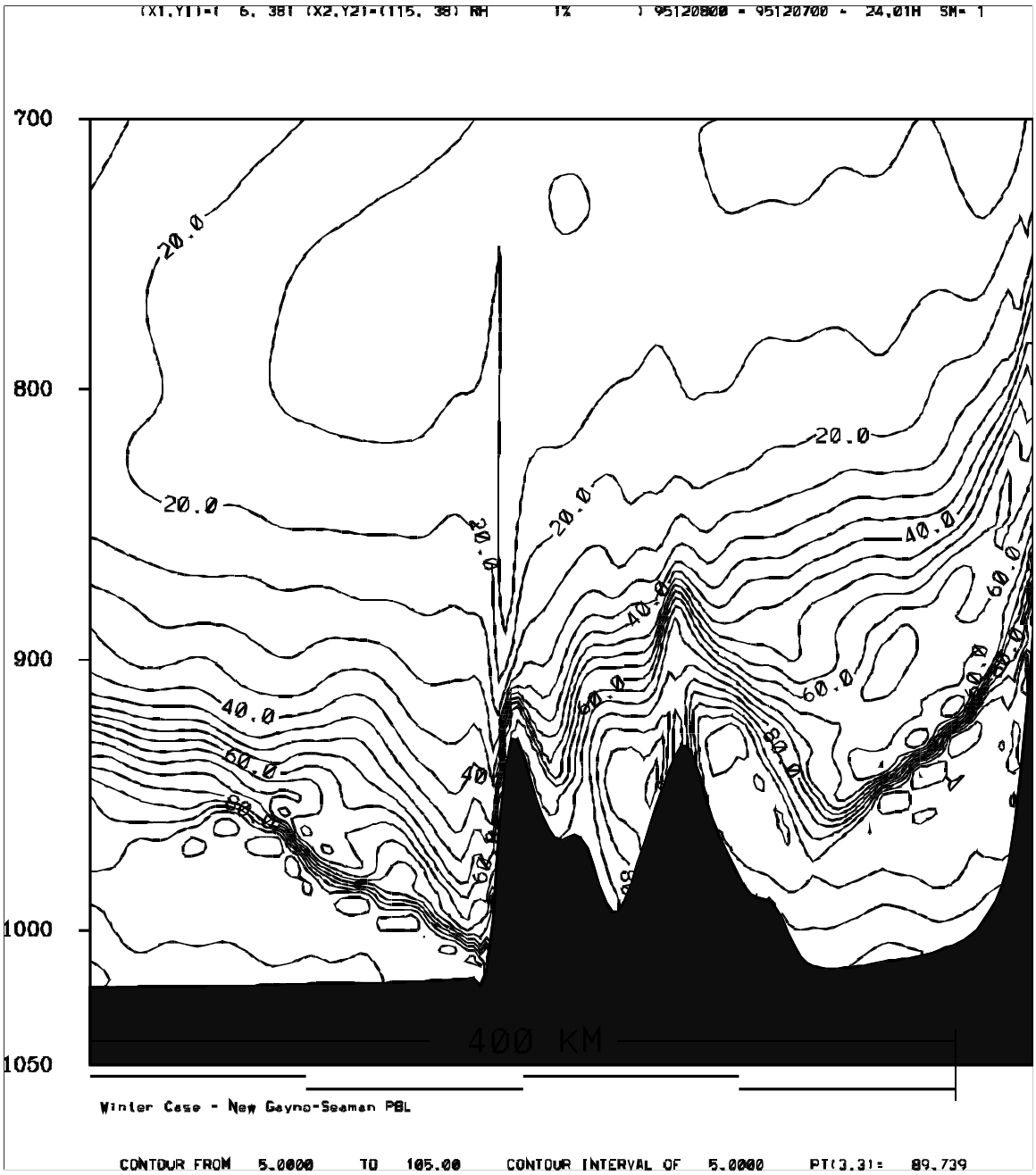

Figure 31. MM5 simulated relative humidity, (%), on the 4-km domain plotted in the plane of the Fresno cross section, valid for 0000 UTC, 8 December 1995 (+24 h) in Exp. GS-2. Contour interval is 1 K.

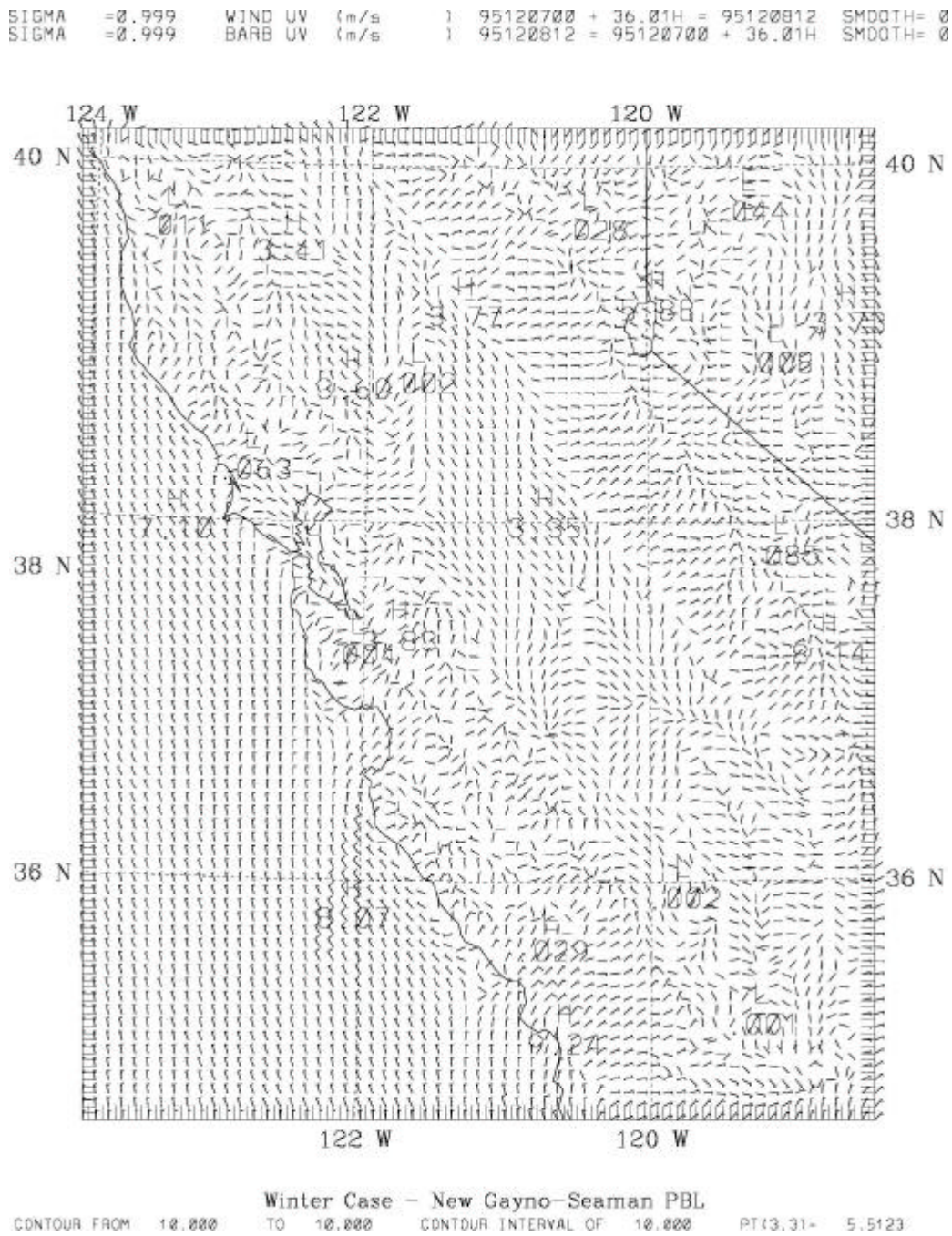

Figure 32. MM5 simulated winds (m s^{-1}) in the surface layer (6 m AGL) on the 4-km domain, valid for 1200 UTC, 8 December 1995, (+36 h) in Exp. GS-2. Isotach interval is 10 m s^{-1}.

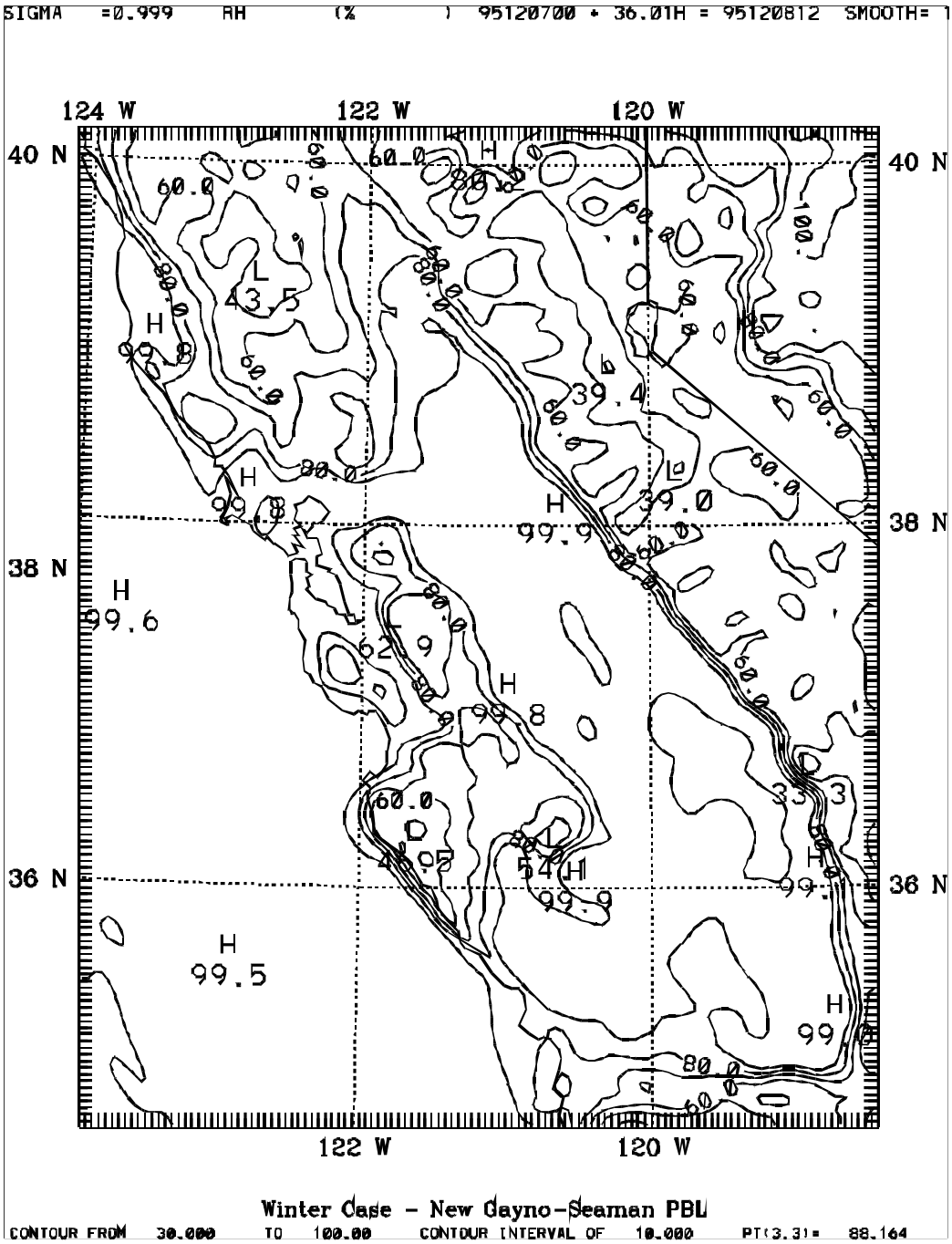

Figure 33. MM5 simulated relative humidity (%) in the surface layer (6 m AGL) on the 4-km domain, valid for 1200 UTC, 8 December 1995, (+36 h) in Exp. GS-2. Contour interval is 10 %.

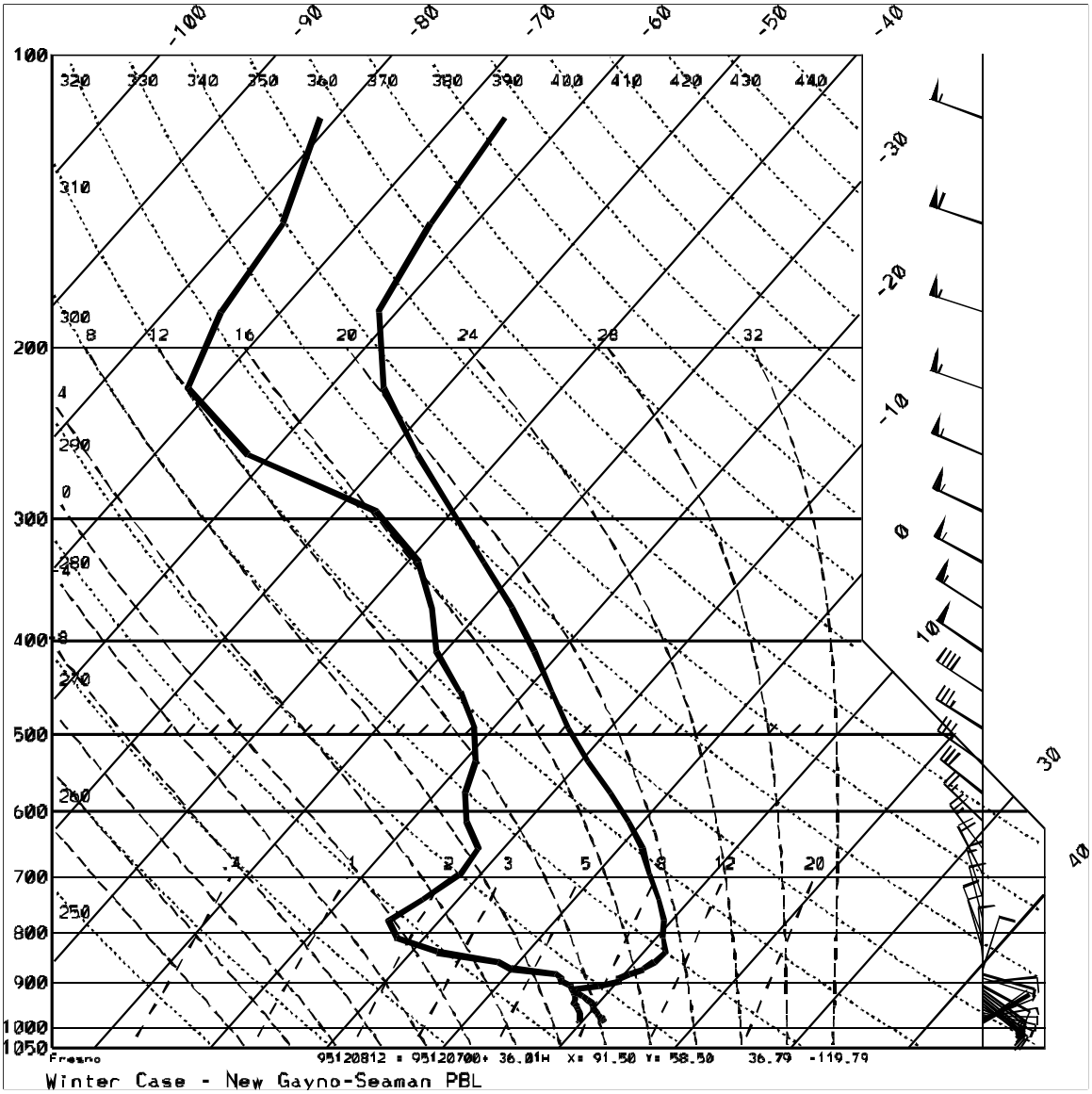

Figure 34. MM5 simulated sounding plotted at Fresno, CA, for 1200 UTC, 8 December 1995, (+36 h) in Exp. GS-2.

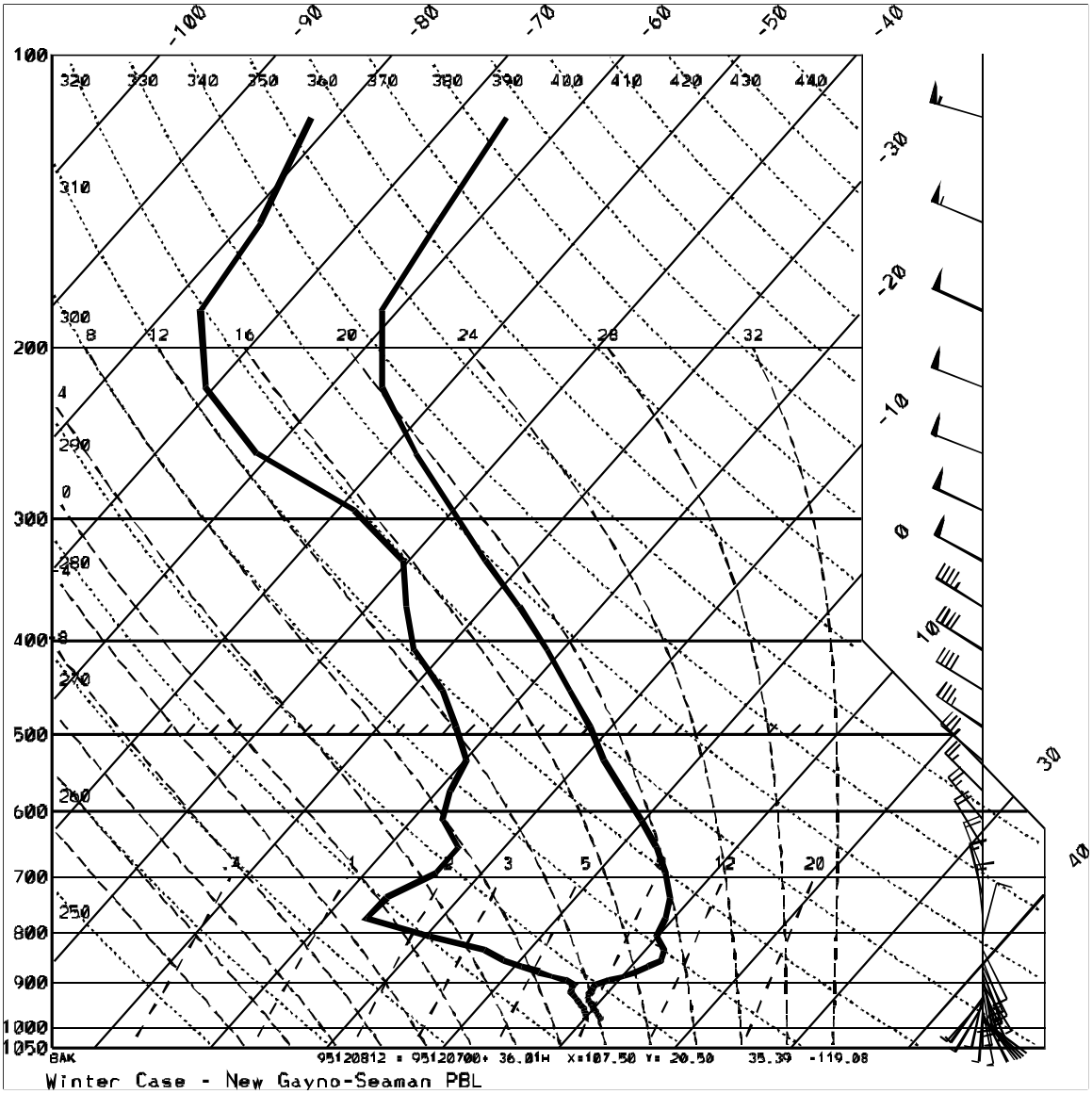

Figure 35. MM5 simulated sounding plotted at Bakersfield, CA, for 1200 UTC, 8 December 1995, (+36 h) in Exp. GS-2.

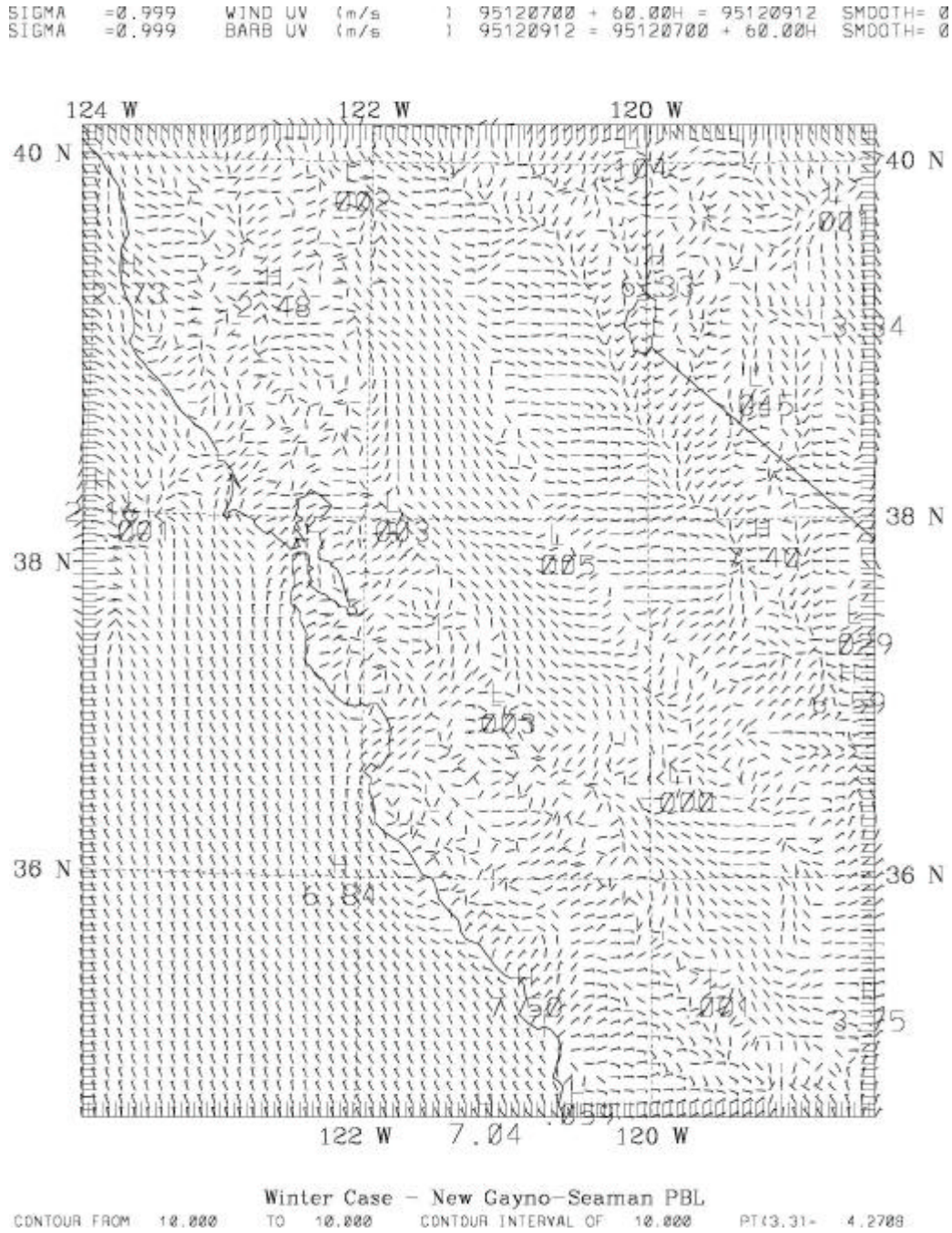

Figure 36. MM5 simulated winds (m s^{-1}) in the surface layer (6 m AGL) on the 4-km domain, valid for 1200 UTC, 9 December 1995, (+60 h) in Exp. GS-2. Isotach interval is 10 m s^{-1}.

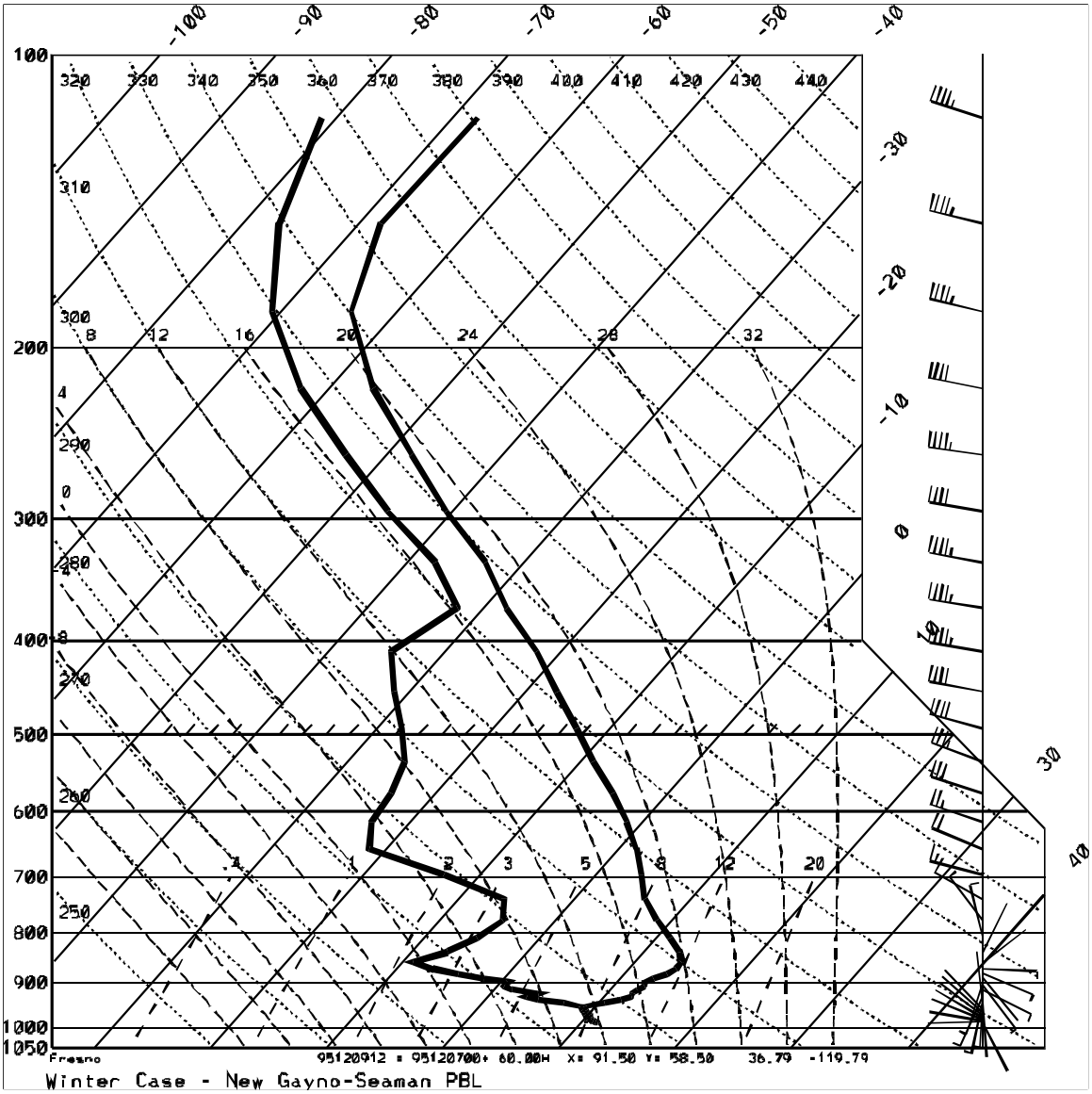

Figure 37. MM5 simulated sounding plotted at Fresno, CA, for 1200 UTC, 9 December 1995, (+60 h) in Exp. GS-2.

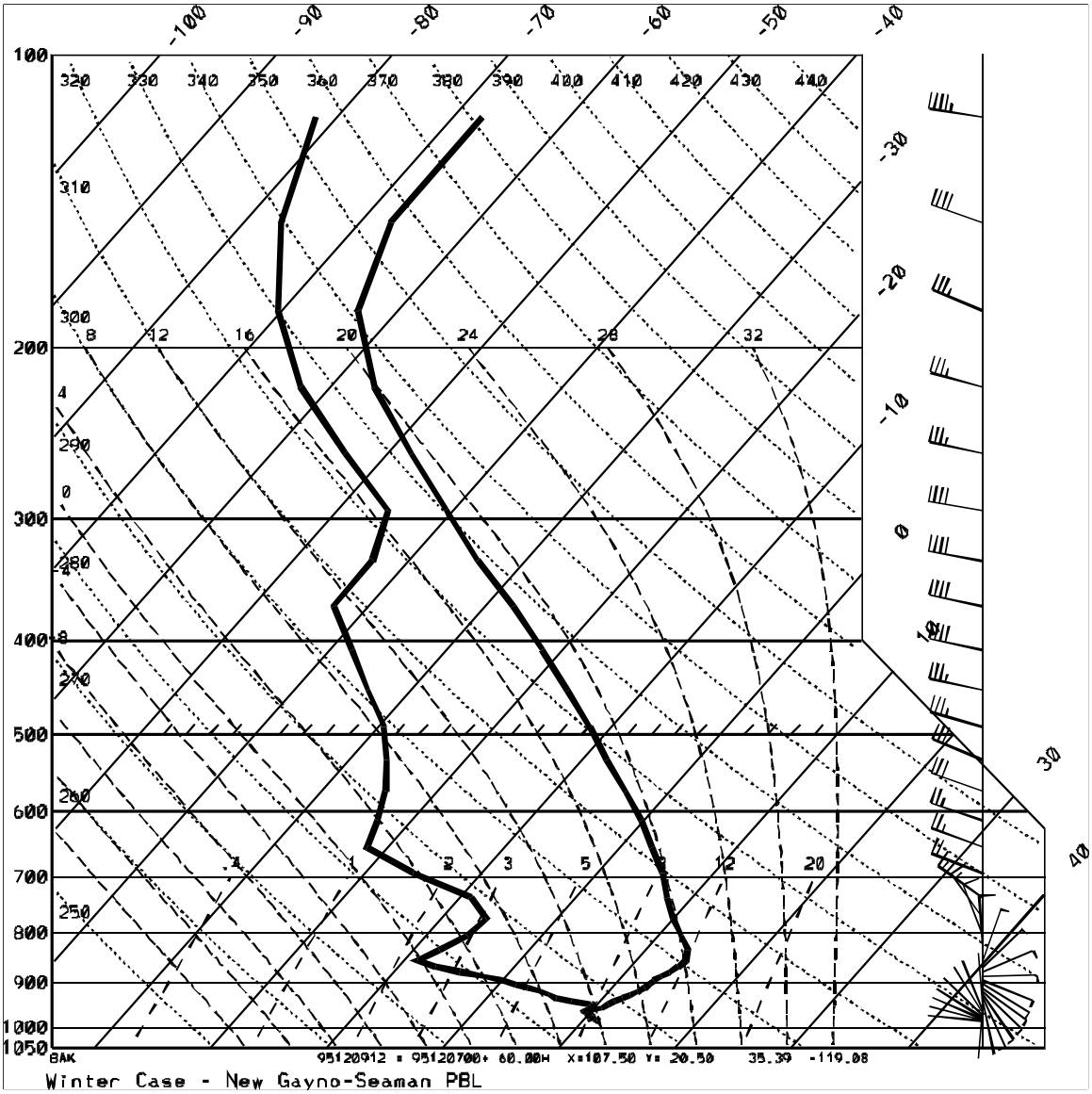

Figure 38. MM5 simulated sounding plotted at Bakersfield, CA, for1200 UTC, 9 December 1995, (+60 h) in Exp. GS-2.

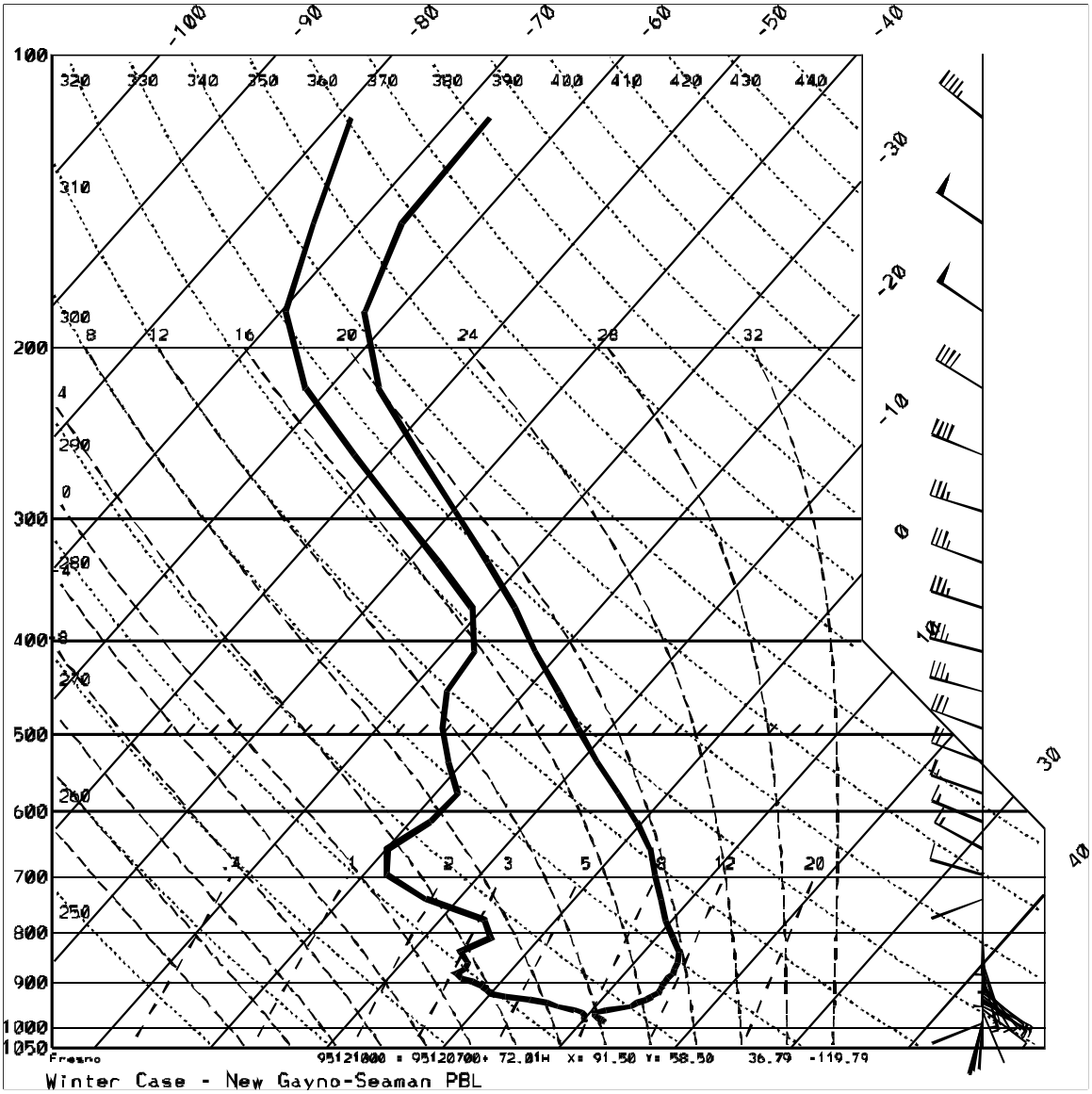

Figure 39. MM5 simulated sounding plotted at Fresno, CA, for 0000 UTC, 10 December 1995, (+72 h) in Exp. GS-2.

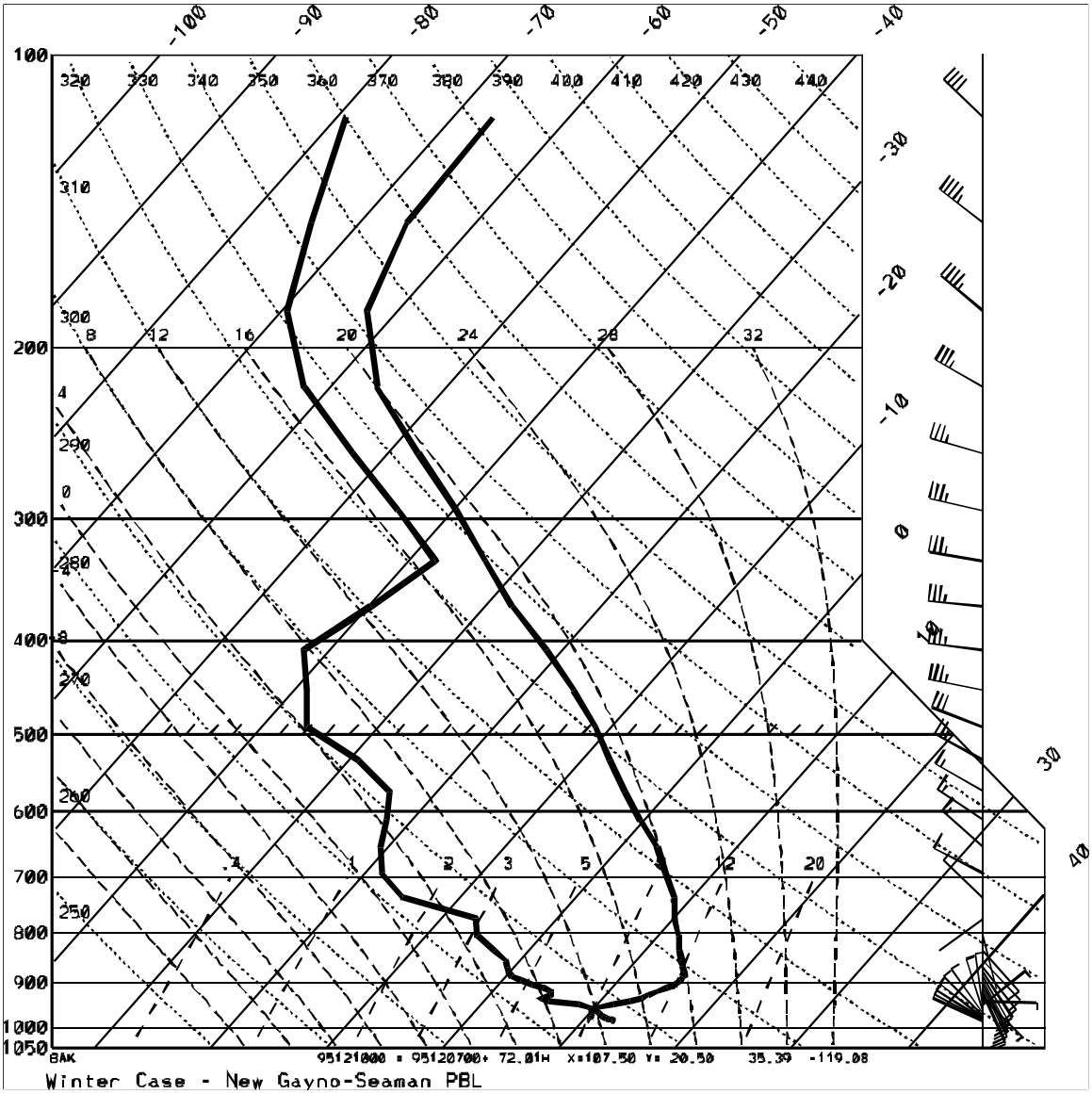

Figure 40. MM5 simulated sounding plotted at Bakersfield, CA, for 0000 UTC, 10 December 1995, (+72 h) in Exp. GS-2.

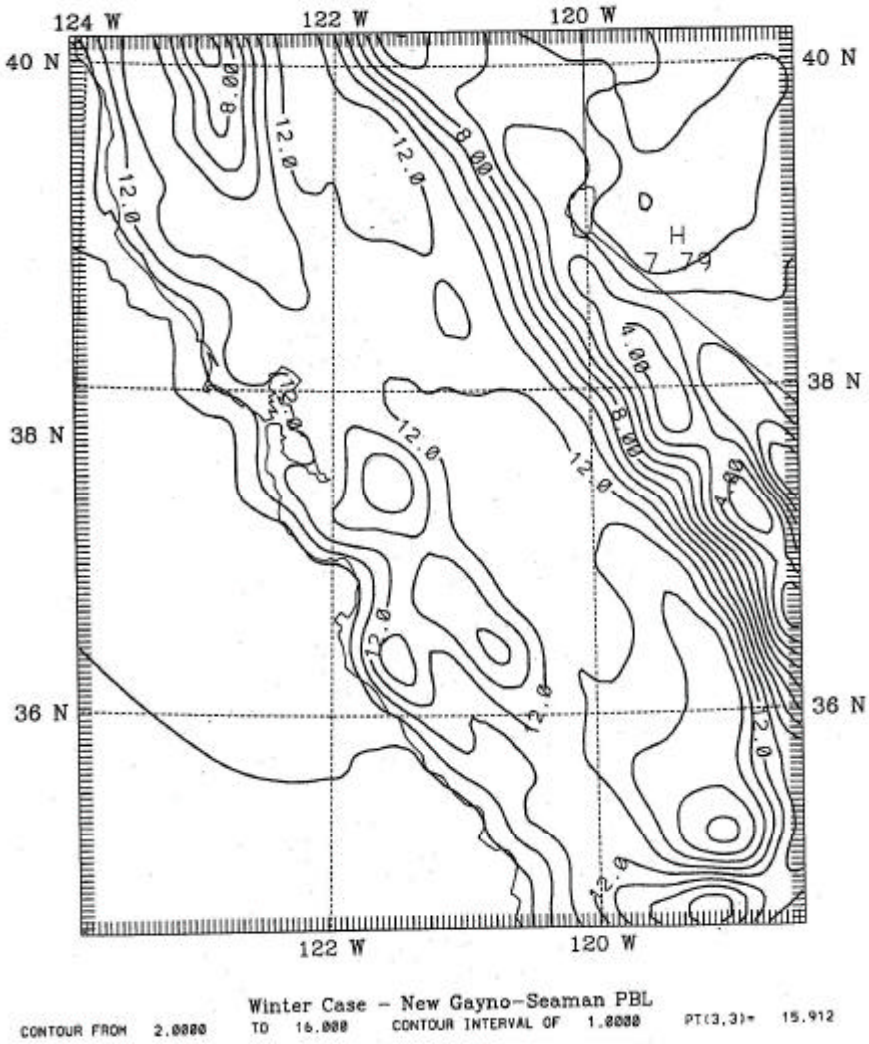

Figure 41. MM5 deep-soil temperatures (C) on the 4-km domain, generated for the model initialization and held constant through the simulation period. Valid for Exps. GS1, GS-2, and BLK-1. Isotherm interval is 1 C.

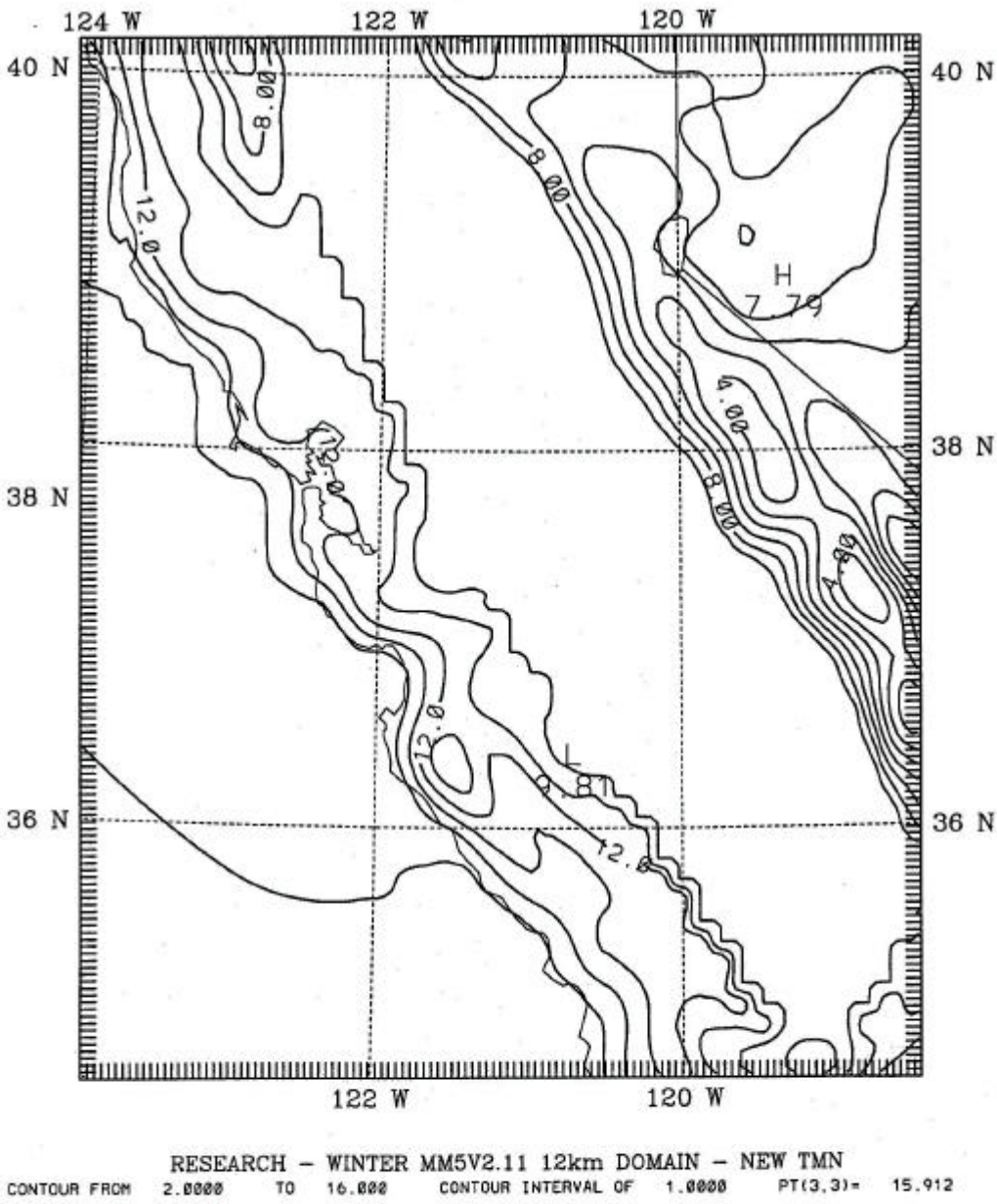

Figure 42. MM5 deep-soil temperatures (C) on the 4-km domain, generated for the model initialization and held constant through the simulation period. Valid for Exp. GS-3. Isotherm interval is 1 C.

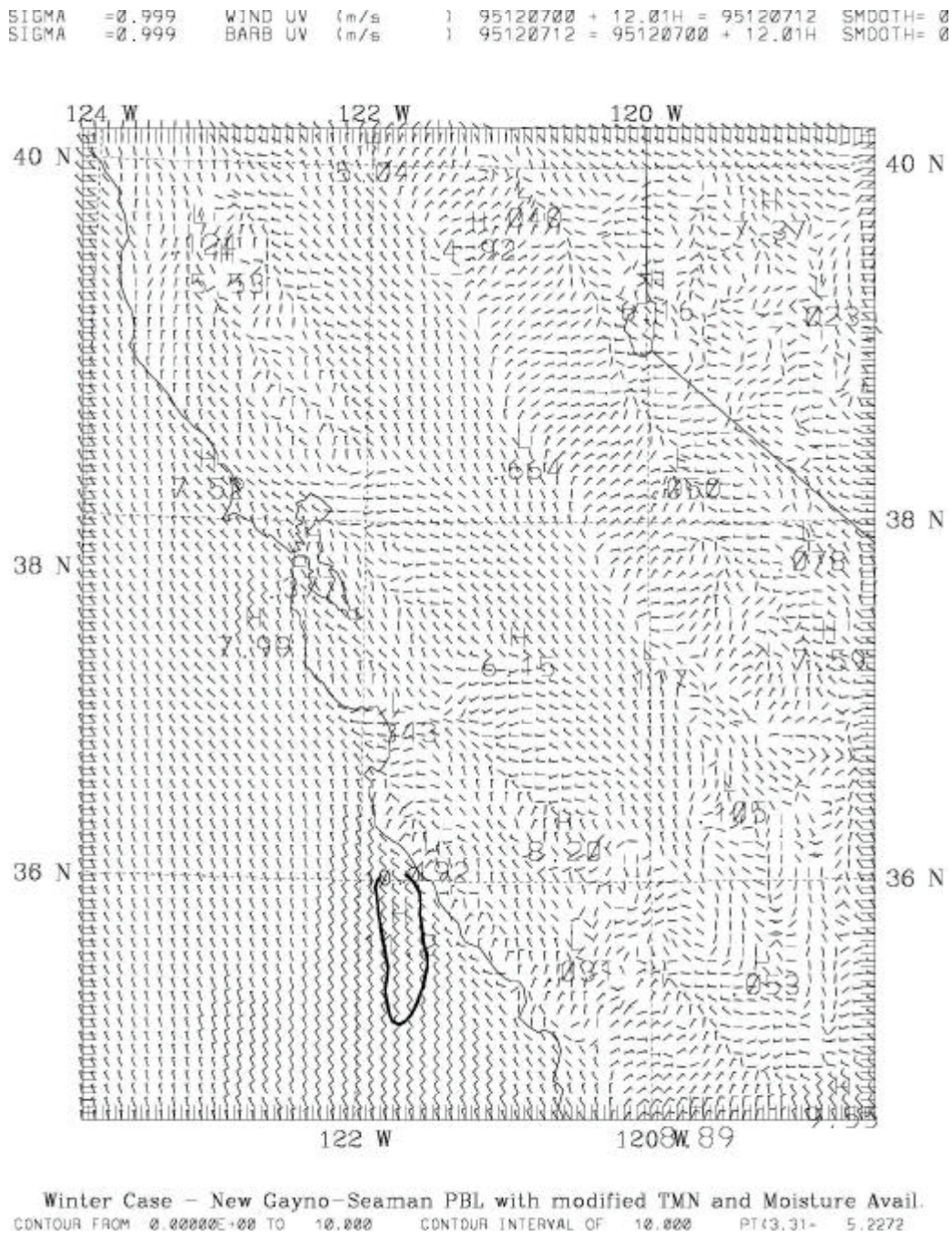

Figure 43. MM5 simulated winds (m s^{-1}) in the surface layer (6 m AGL) on the 4-km domain, valid for 1200 UTC, 7 December 1995, (+12 h) in Exp. GS-3. Isotach interval is 10 m s^{-1}.

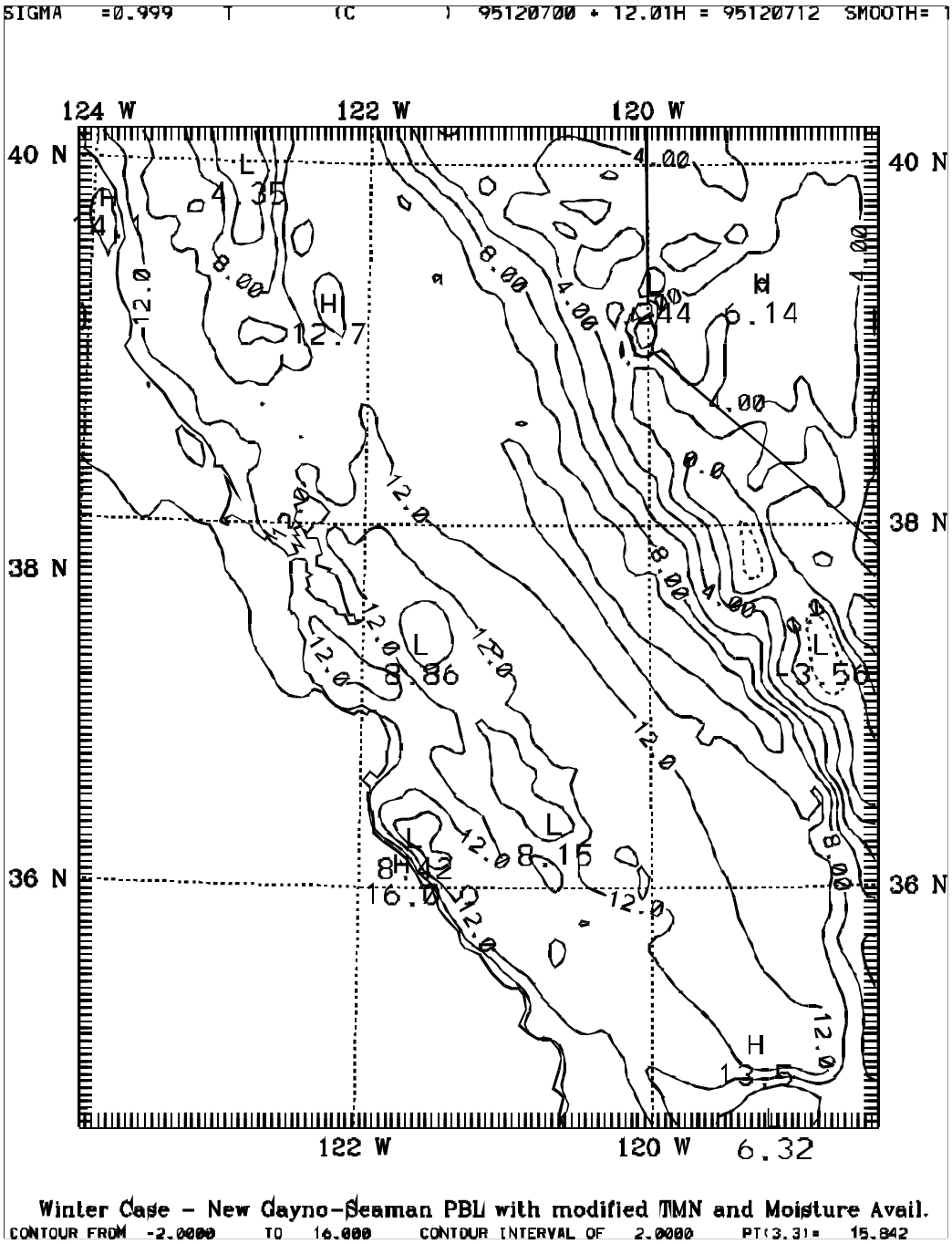

Figure 44. MM5 simulated temperatures (C) in the surface layer (6 mAGL) on the 4-km domain, valid for 1200 UTC, 7 December 1995, (+12 h) in Exp. GS-3. Isotherm interval is 2 C.

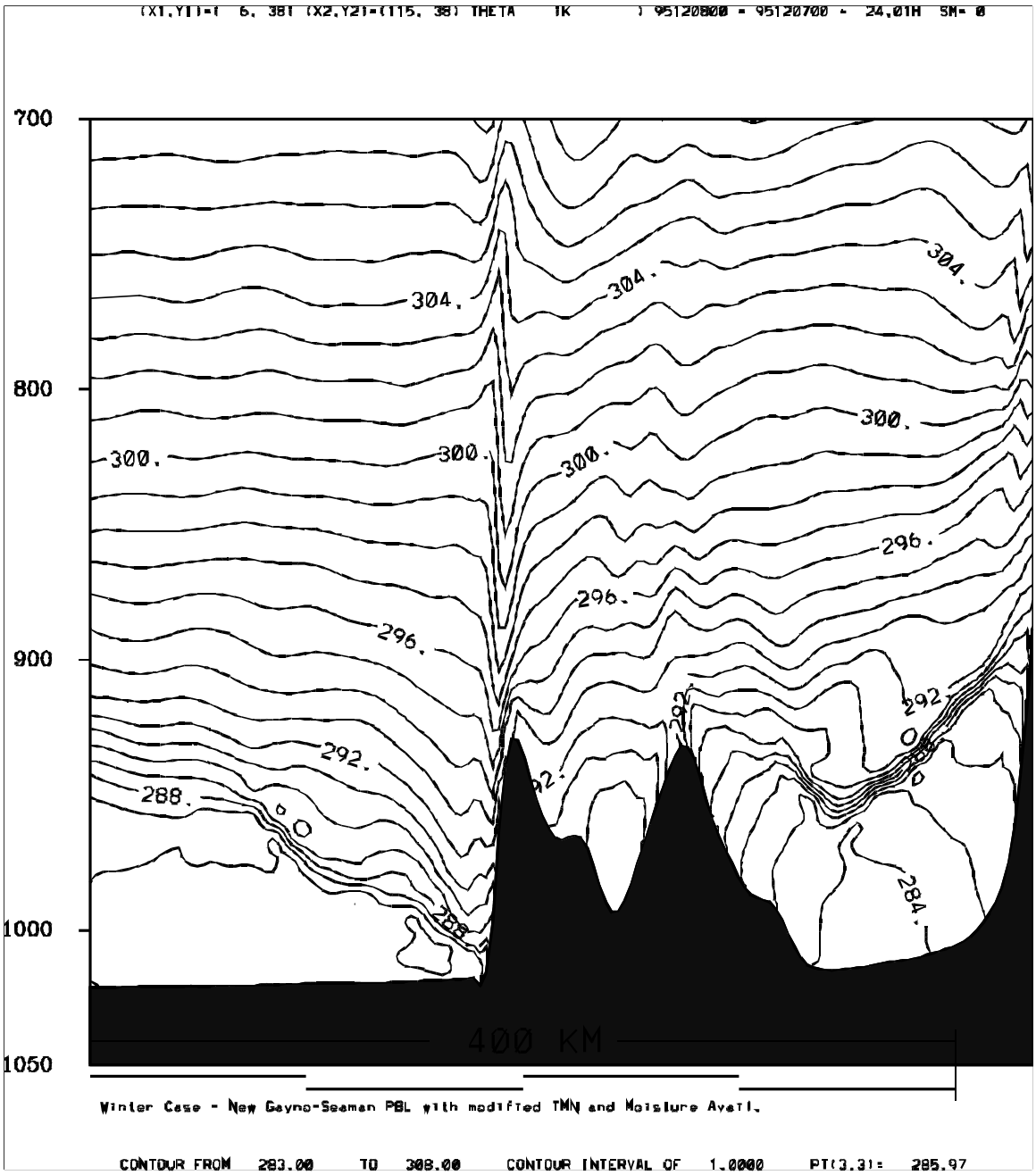

Figure 45. MM5 simulated potential temperature, q (K), on the 4-km domain plotted in the plane of the Fresno cross section, valid for 0000 UTC, 8 December 1995 (+24 h) in Exp. GS-3. Isentrope interval is 1 K.

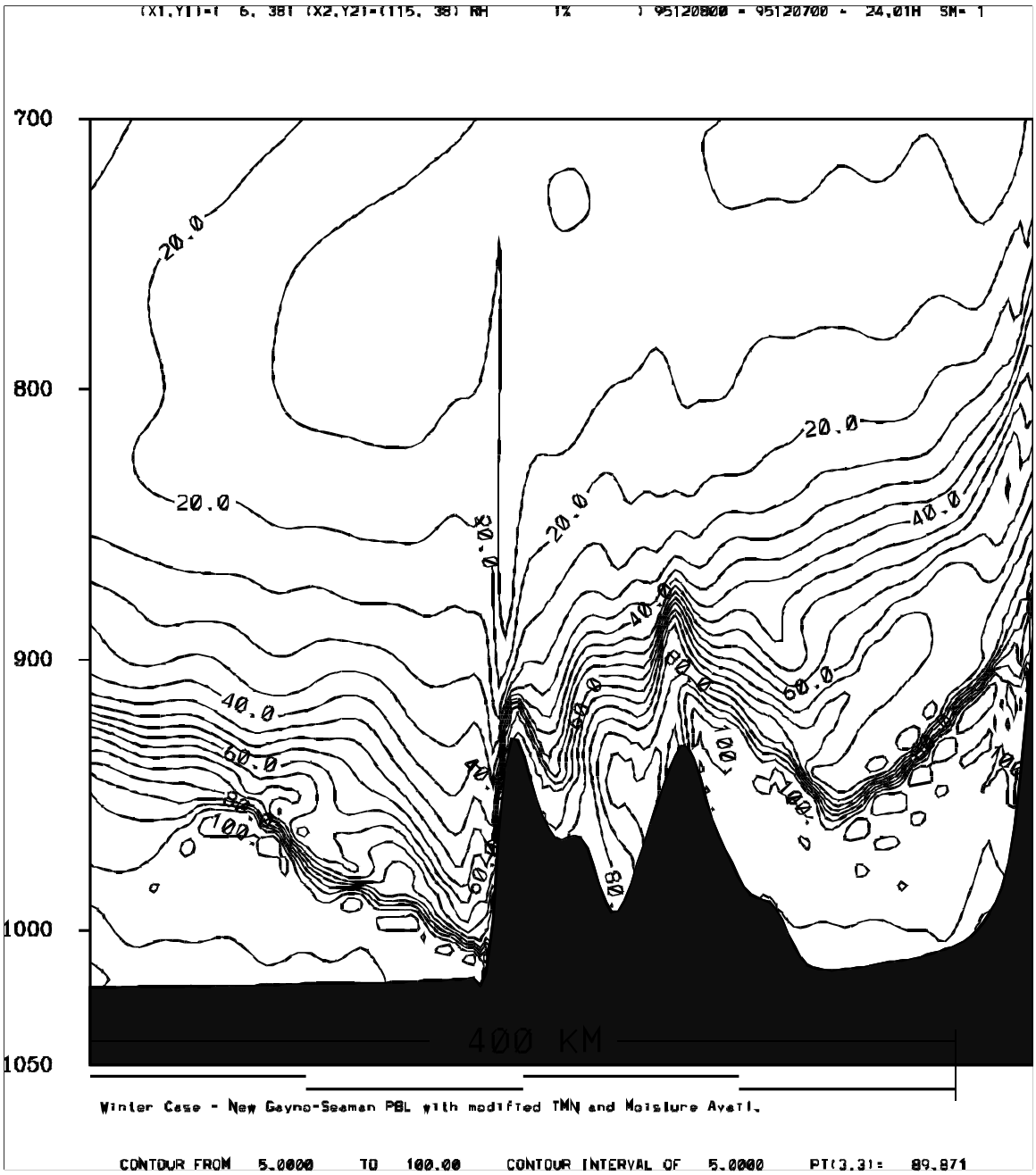

Figure 46. MM5 simulated relative humidity, (%), on the 4-km domain plotted in the plane of the Fresno cross section, valid for 0000 UTC, 8 December 1995 (+24 h) in Exp. GS-3. Contour interval is 1 K.

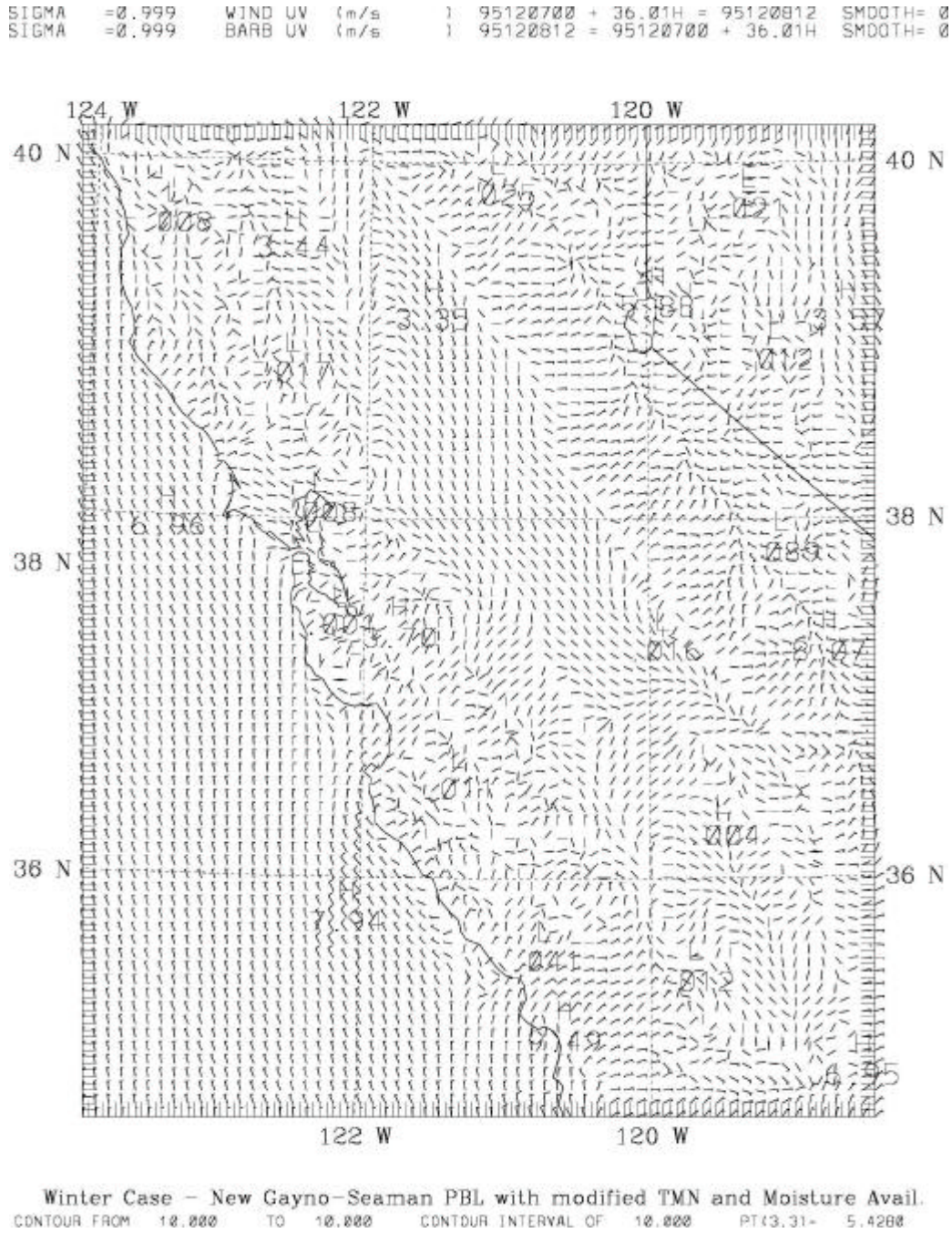

Figure 47. MM5 simulated winds (m s^{-1}) in the surface layer (6 m AGL) on the 4-km domain, valid for 1200 UTC, 8 December 1995, (+36 h) in Exp. GS-3. Isotach interval is 10 m s^{-1}.

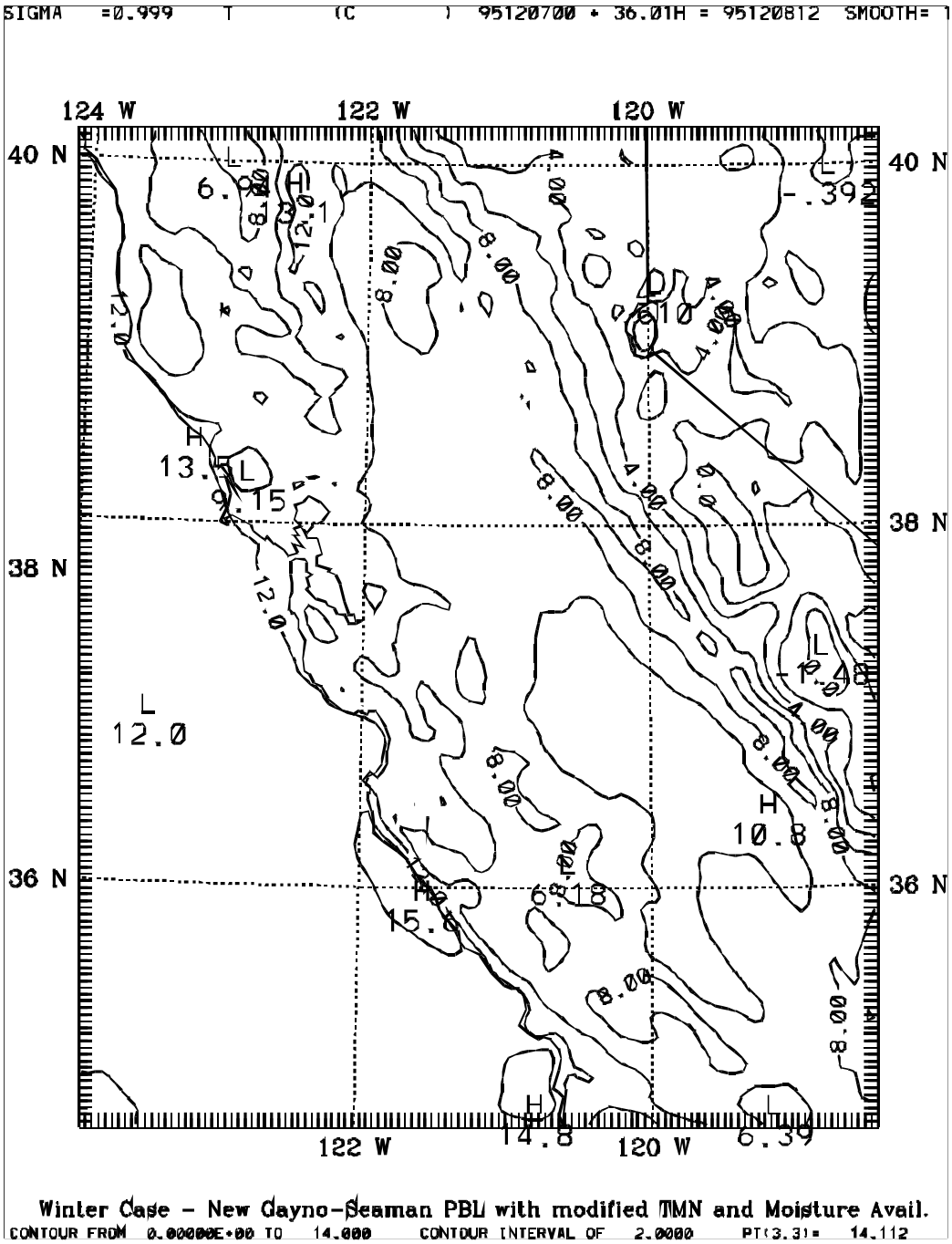

Figure 48. MM5 simulated temperatures (C) in the surface layer (6 m AGL) on the 4-km domain, valid for 1200 UTC, 8 December 1995, (+36 h) in Exp. GS-3. Isotherm interval is 2 C.

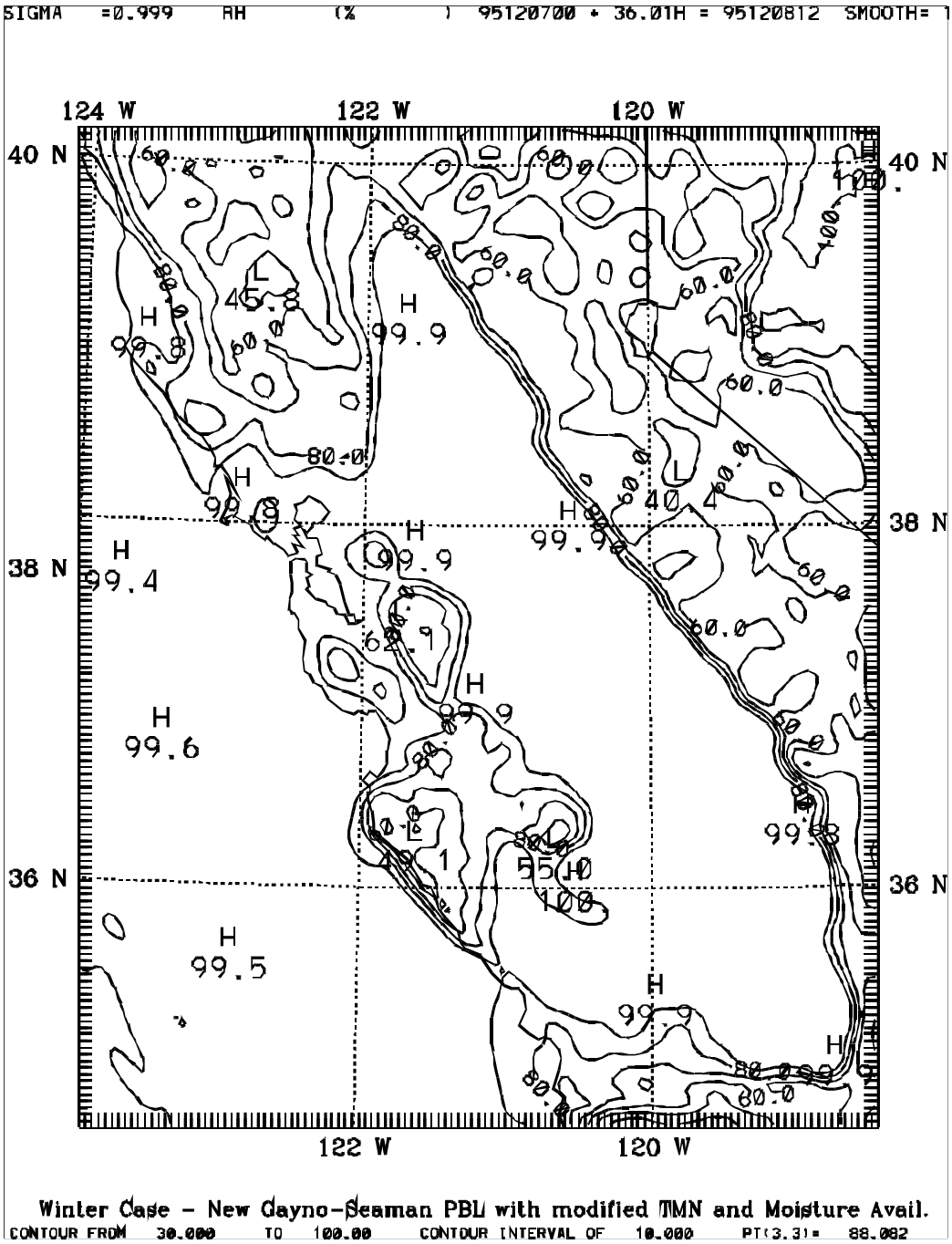

Figure 49. MM5 simulated relative humidity (%) in the surface layer (6 m AGL) on the 4-km domain, valid for 1200 UTC, 8 December 1995, (+36 h) in Exp. GS-3. Contour interval is 10 %.

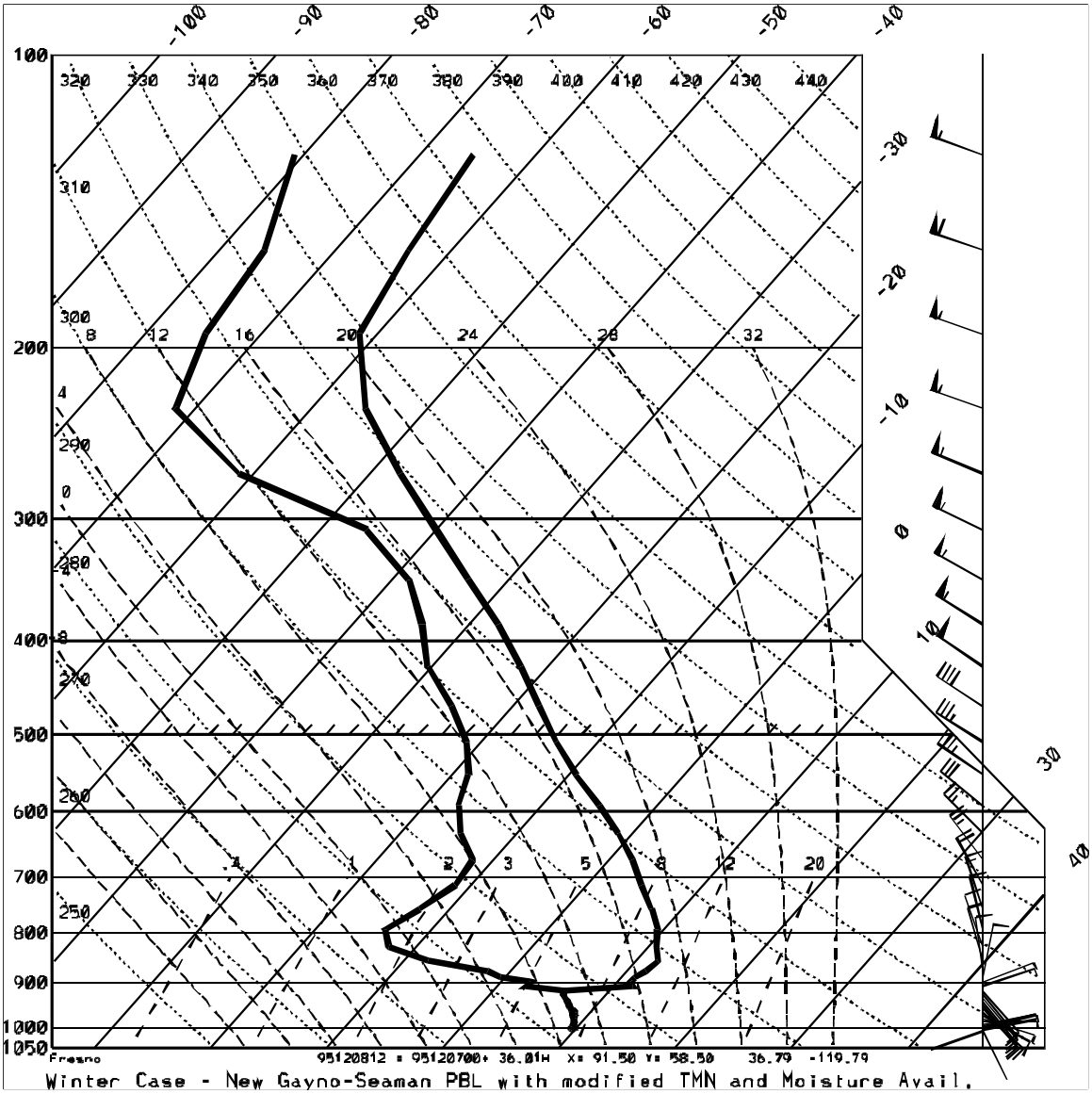

Figure 50. MM5 simulated sounding plotted at Fresno, CA, for 1200 UTC, 8 December 1995, (+36 h) in Exp. GS-3.

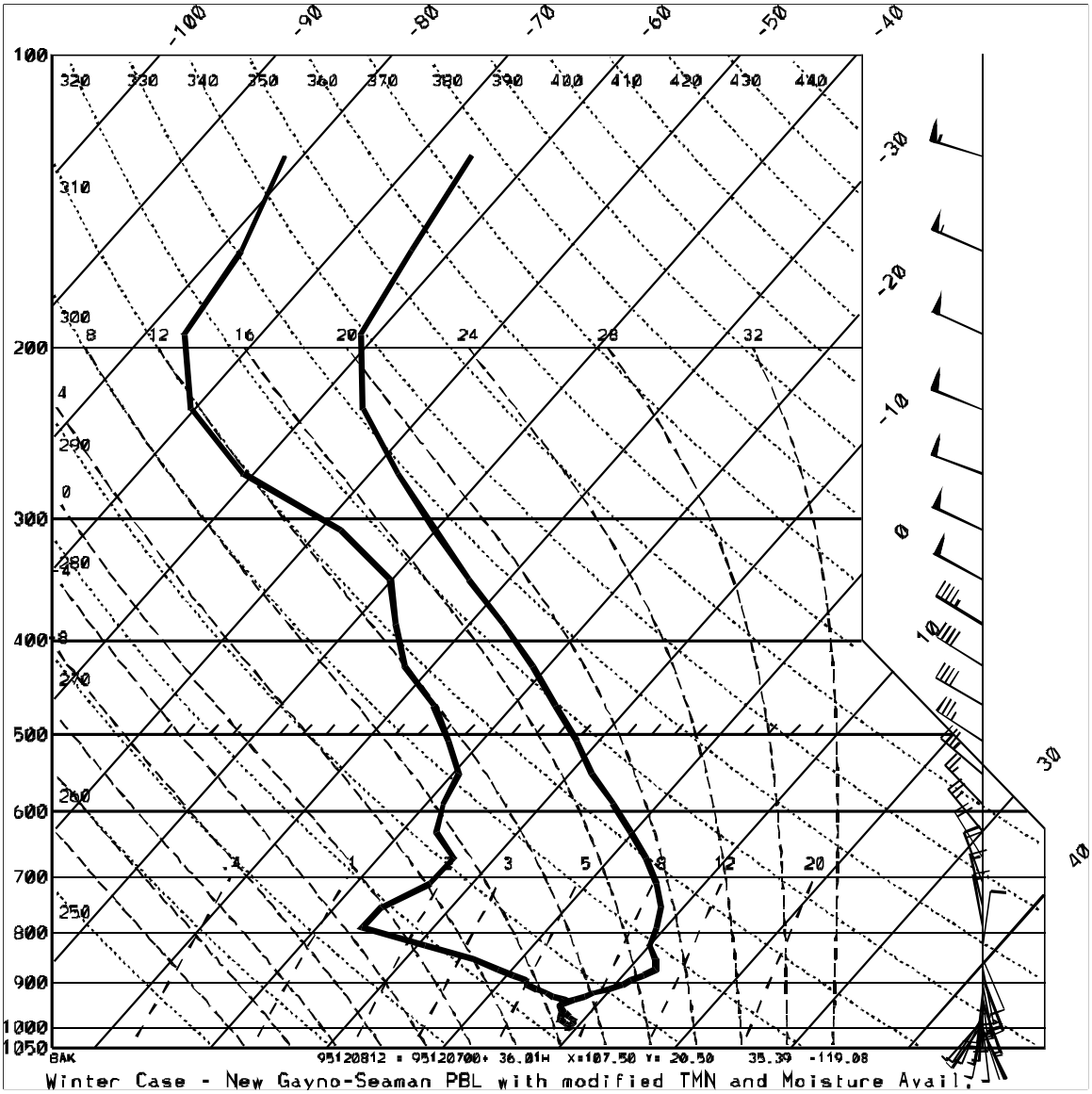

Figure 51. MM5 simulated sounding plotted at Bakersfield, CA, for 1200 UTC, 8 December 1995, (+36 h) in Exp. GS-3.

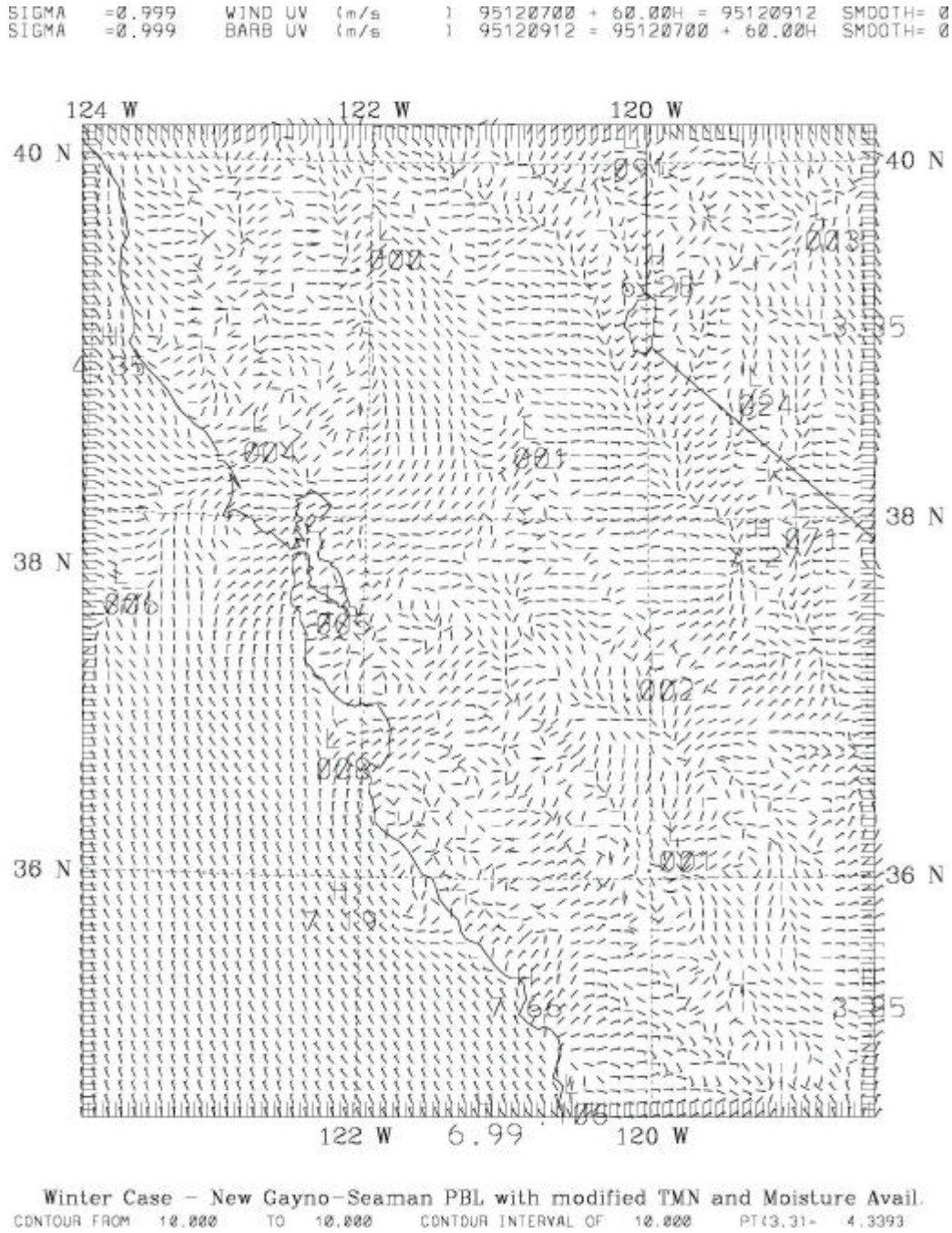

Figure 52. MM5 simulated winds (m s^{-1}) in the surface layer (6 m AGL) on the 4-km domain, valid for 1200 UTC, 9 December 1995, (+60 h) in Exp. GS-3. Isotach interval is 10 m s^{-1}.

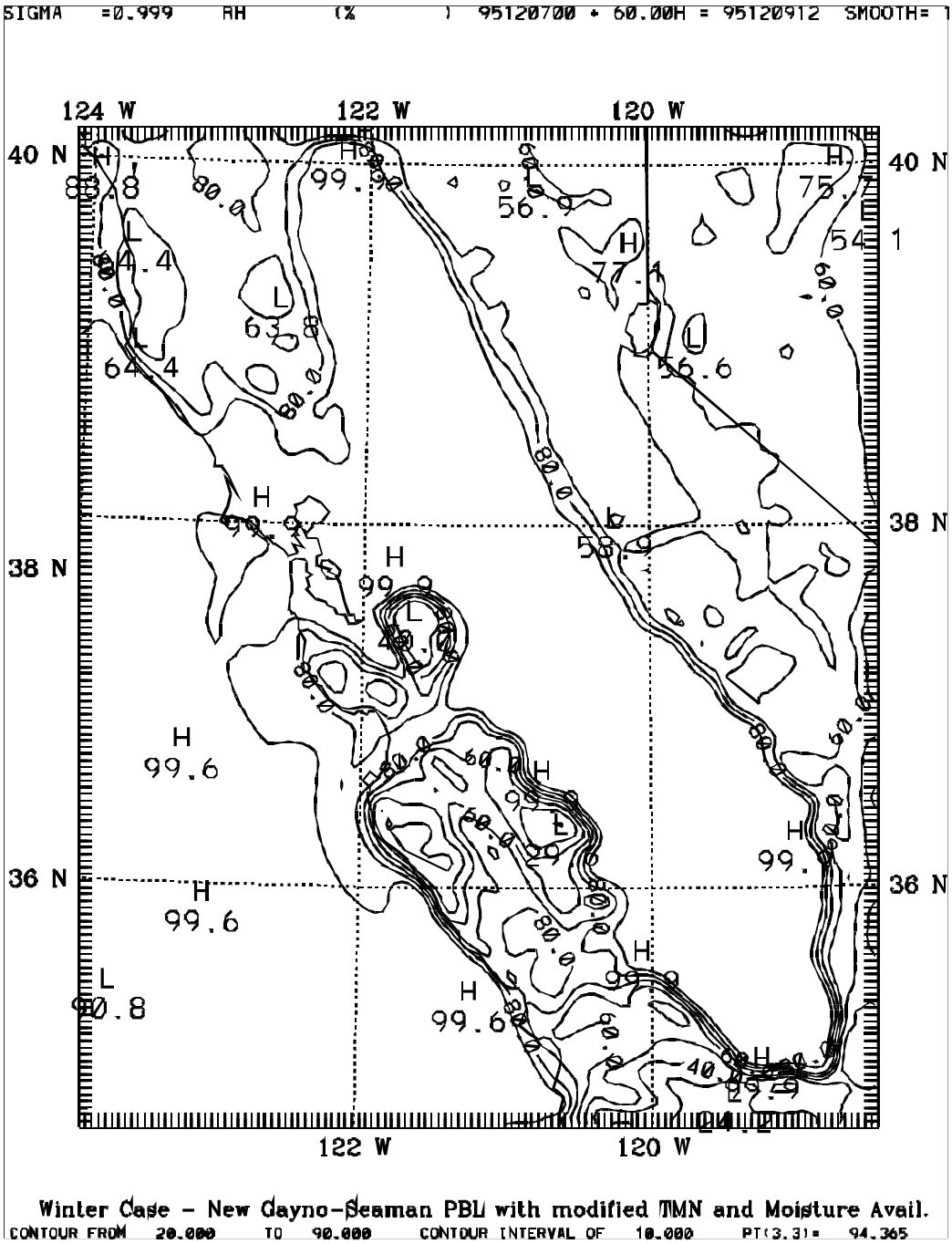

Figure 53. MM5 simulated relative humidity (%) in the surface layer (6 m AGL) on the 4-km domain, valid for 1200 UTC, 9 December 1995, (+60 h) in Exp. GS-3. Contour interval is 10 %.

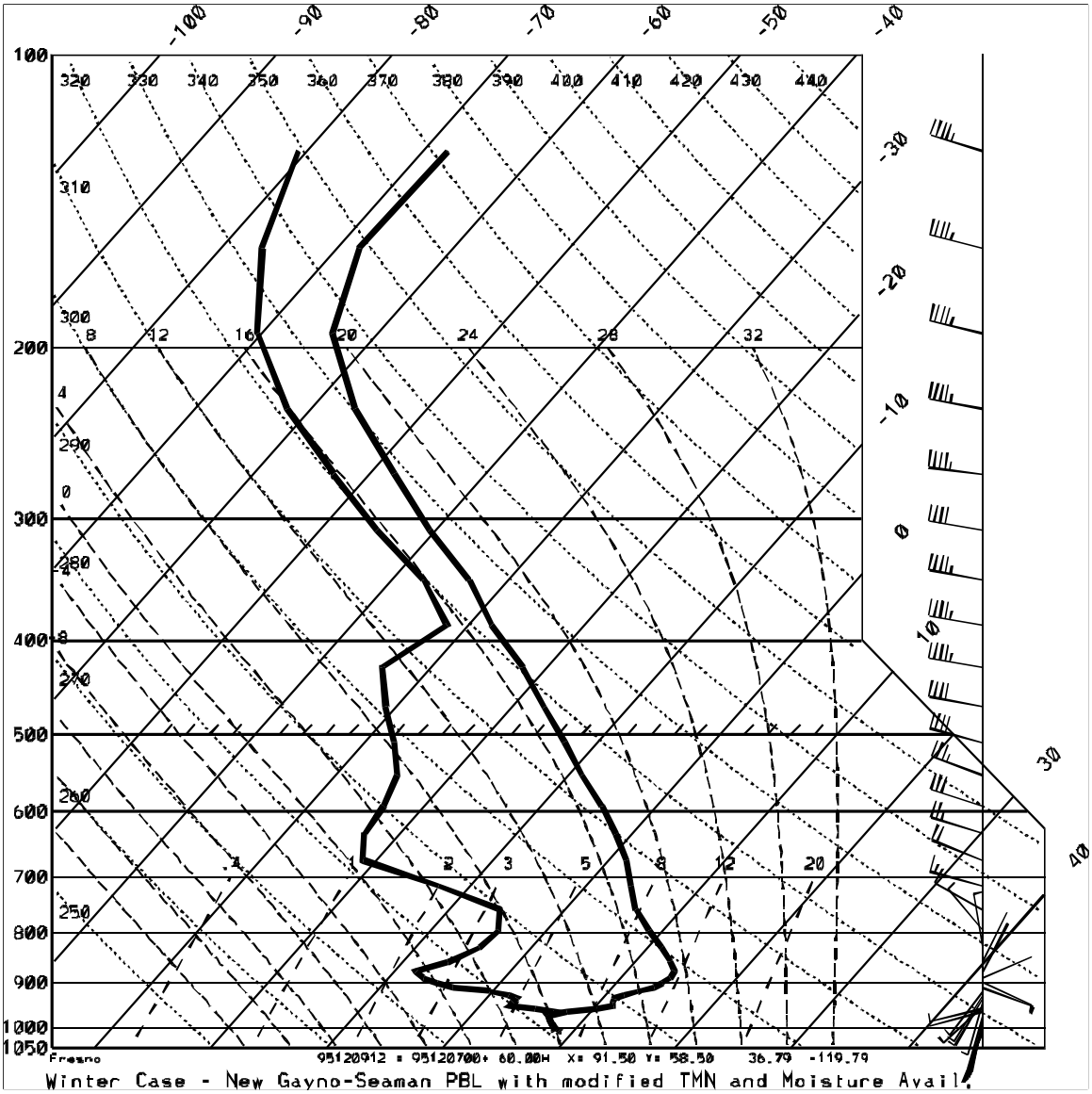

Figure 54. MM5 simulated sounding plotted at Fresno, CA, for 1200 UTC, 9 December 1995, (+60 h) in Exp. GS-3.

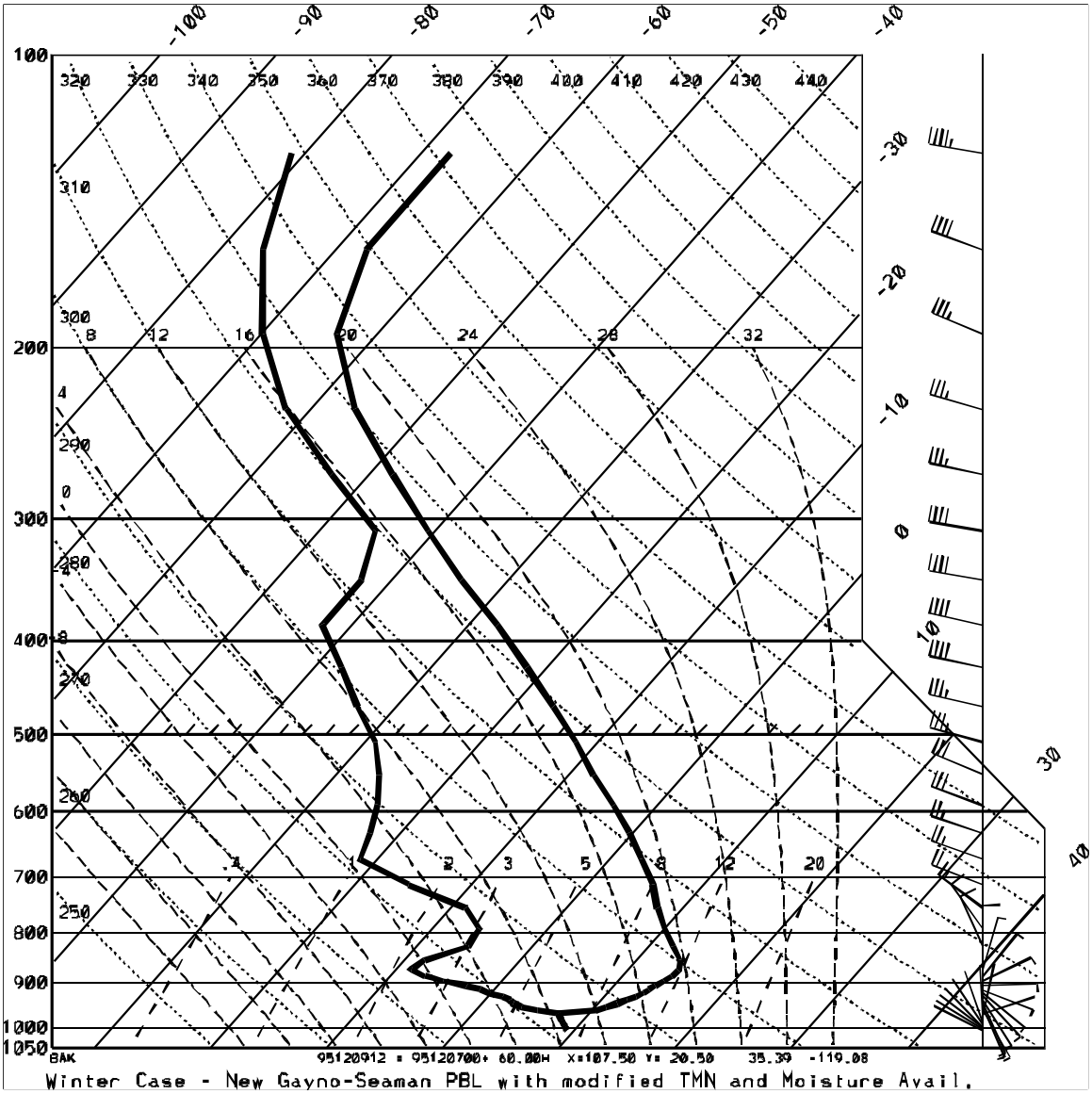

Figure 55. MM5 simulated sounding plotted at Bakersfield, CA, for 1200 UTC, 9 December 1995, (+60 h) in Exp. GS-3.

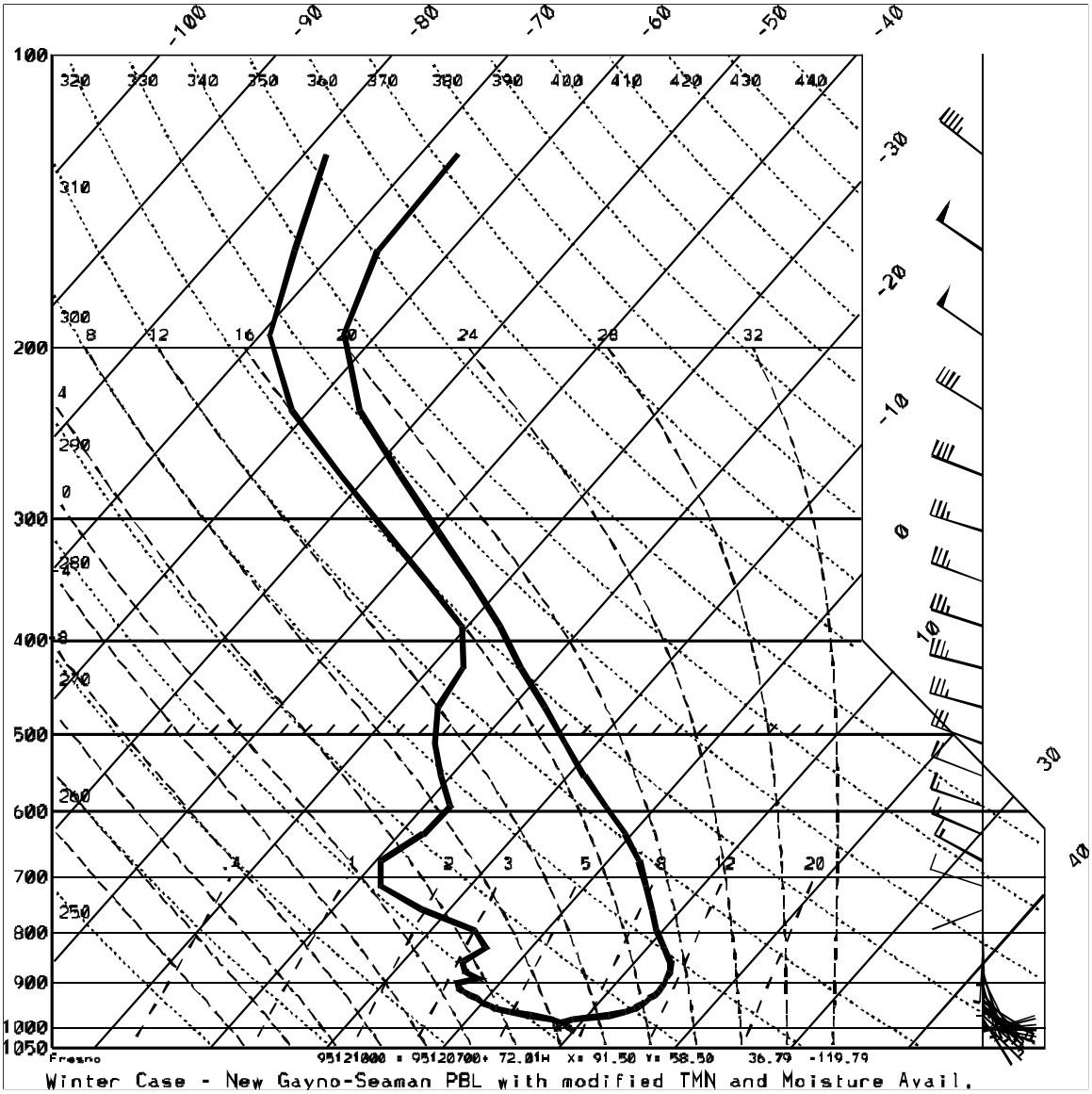

Figure 56. MM5 simulated sounding plotted at Fresno, CA, for 0000 UTC, 10 December 1995, (+72 h) in Exp. GS-3.

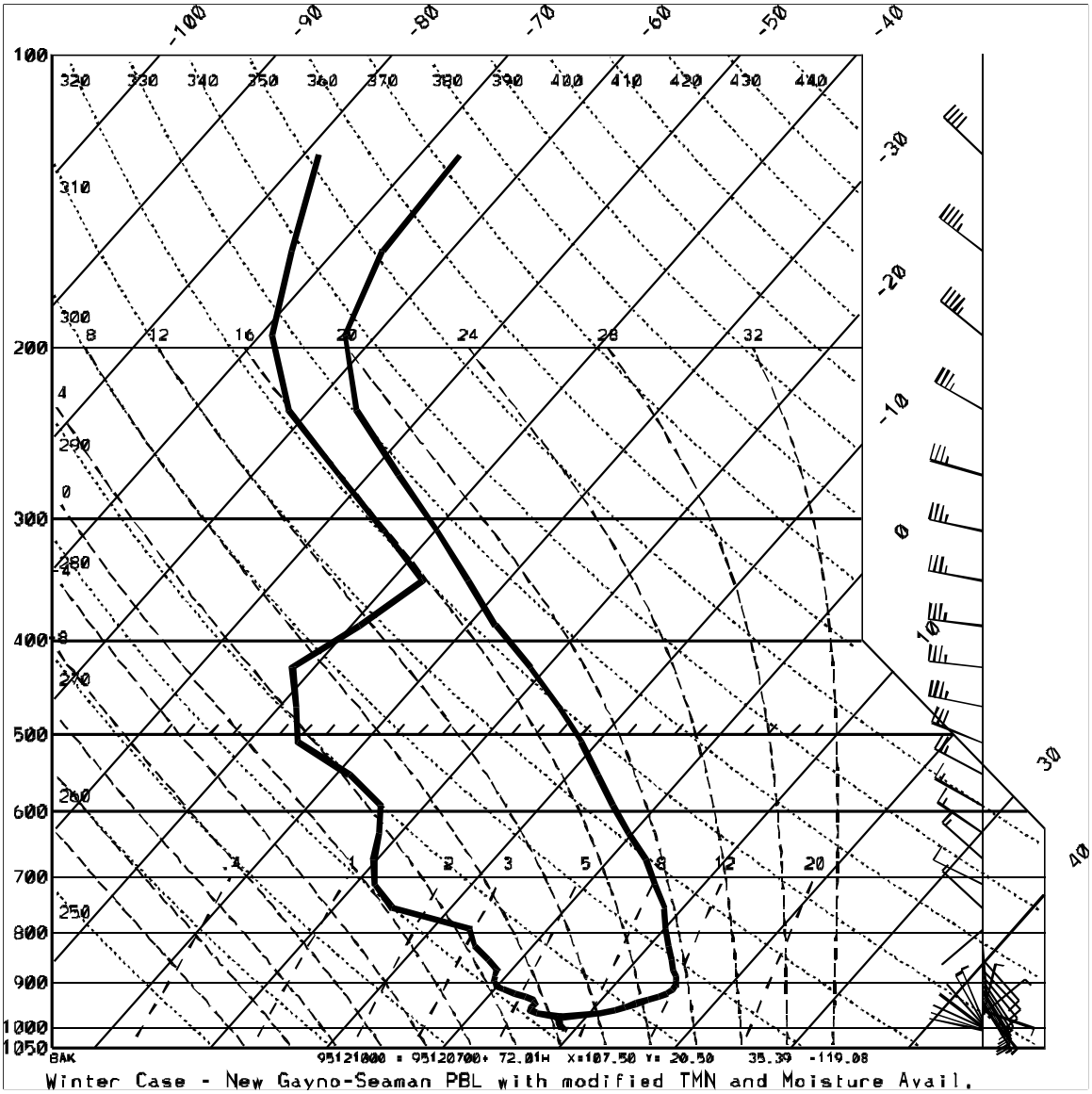

Figure 57. MM5 simulated sounding plotted at Bakersfield, CA, for 0000 UTC, 10 December 1995, (+72 h) in Exp. GS-3.

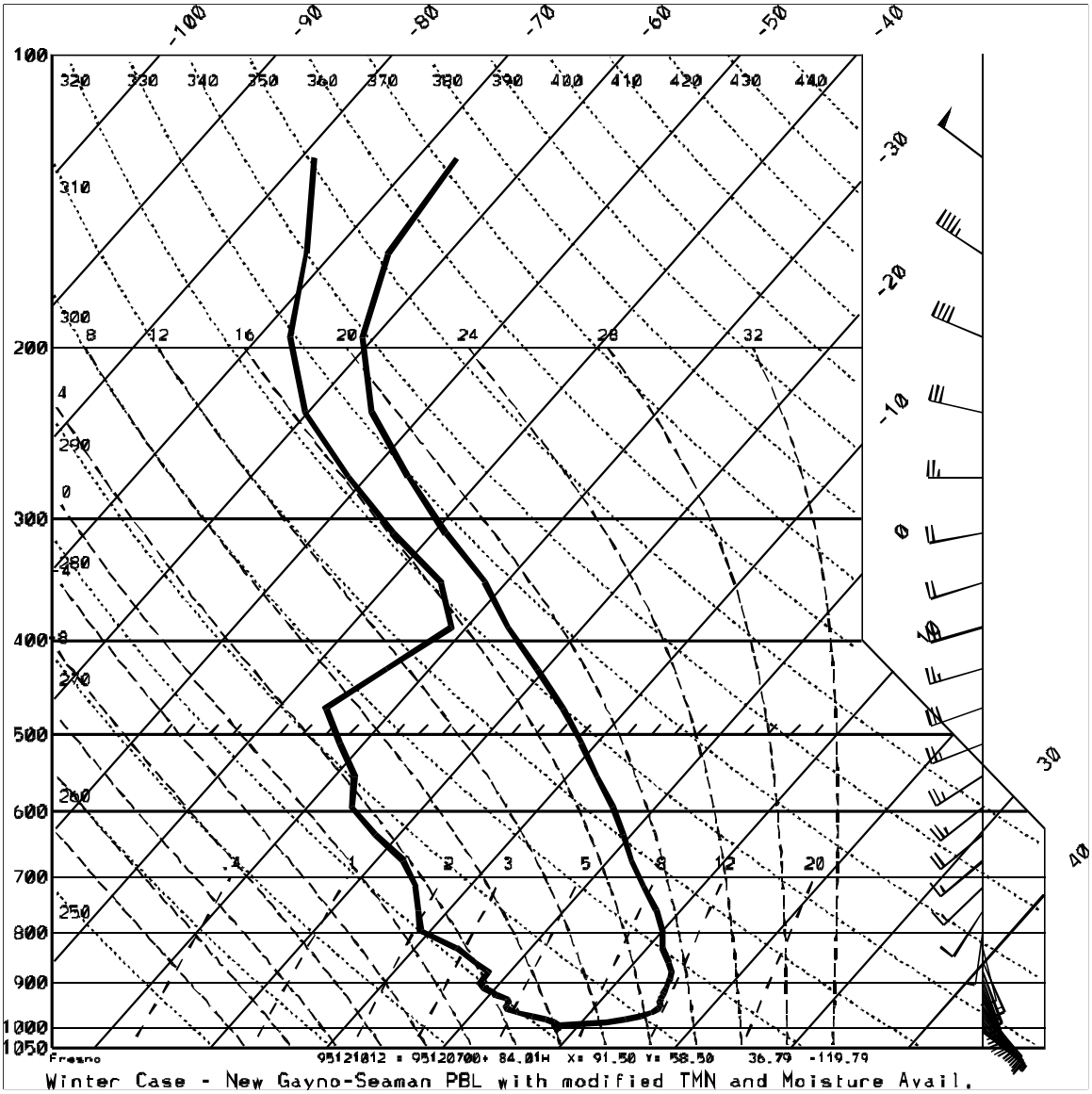

Figure 58. MM5 simulated sounding plotted at Fresno, CA, for 1200 UTC, 10 December 1995, (+84 h) in Exp. GS-3.

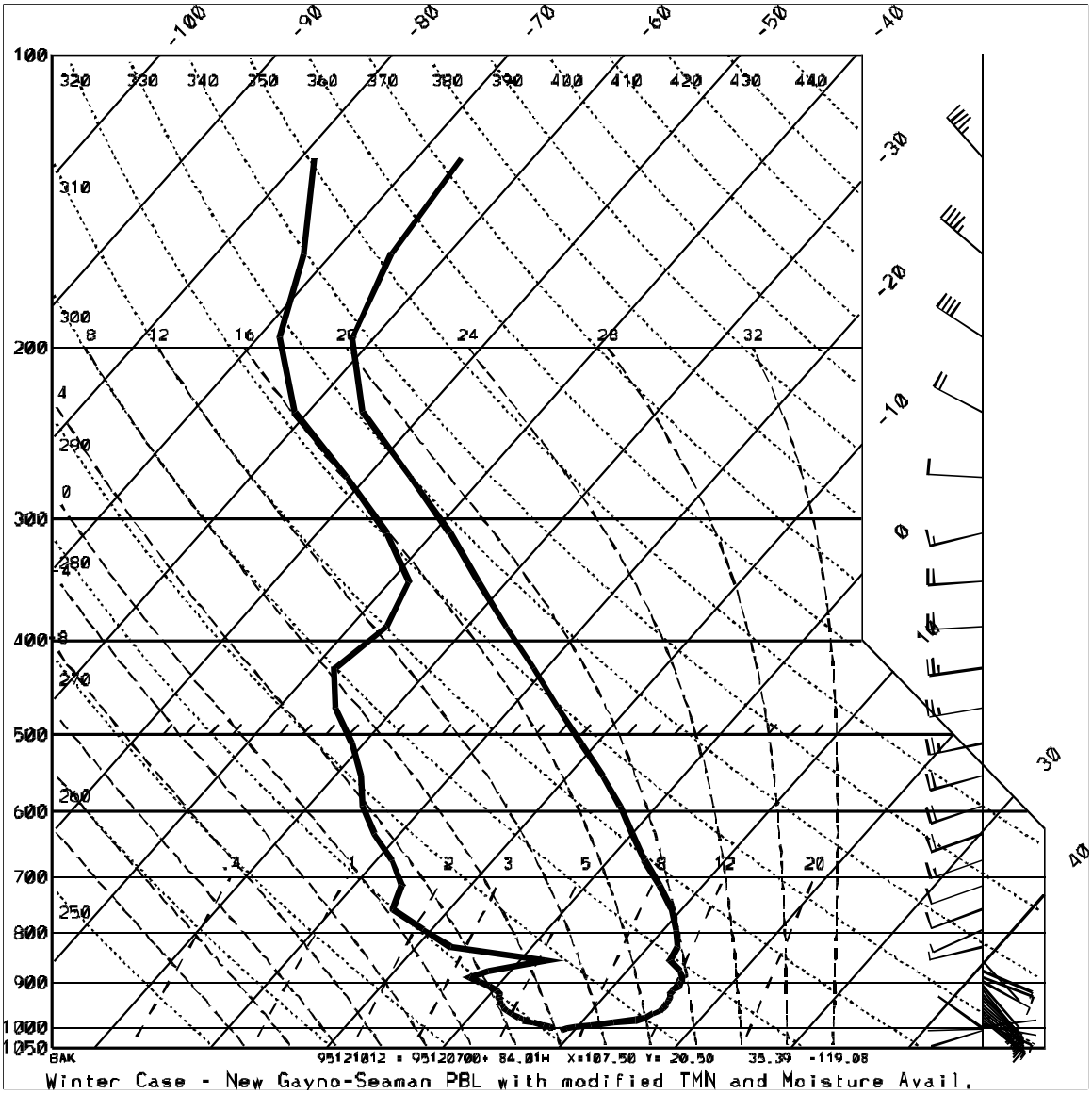

Figure 59. MM5 simulated sounding plotted at Bakersfield, CA, for 1200 UTC, 10 December 1995, (+84 h) in Exp. GS-3.

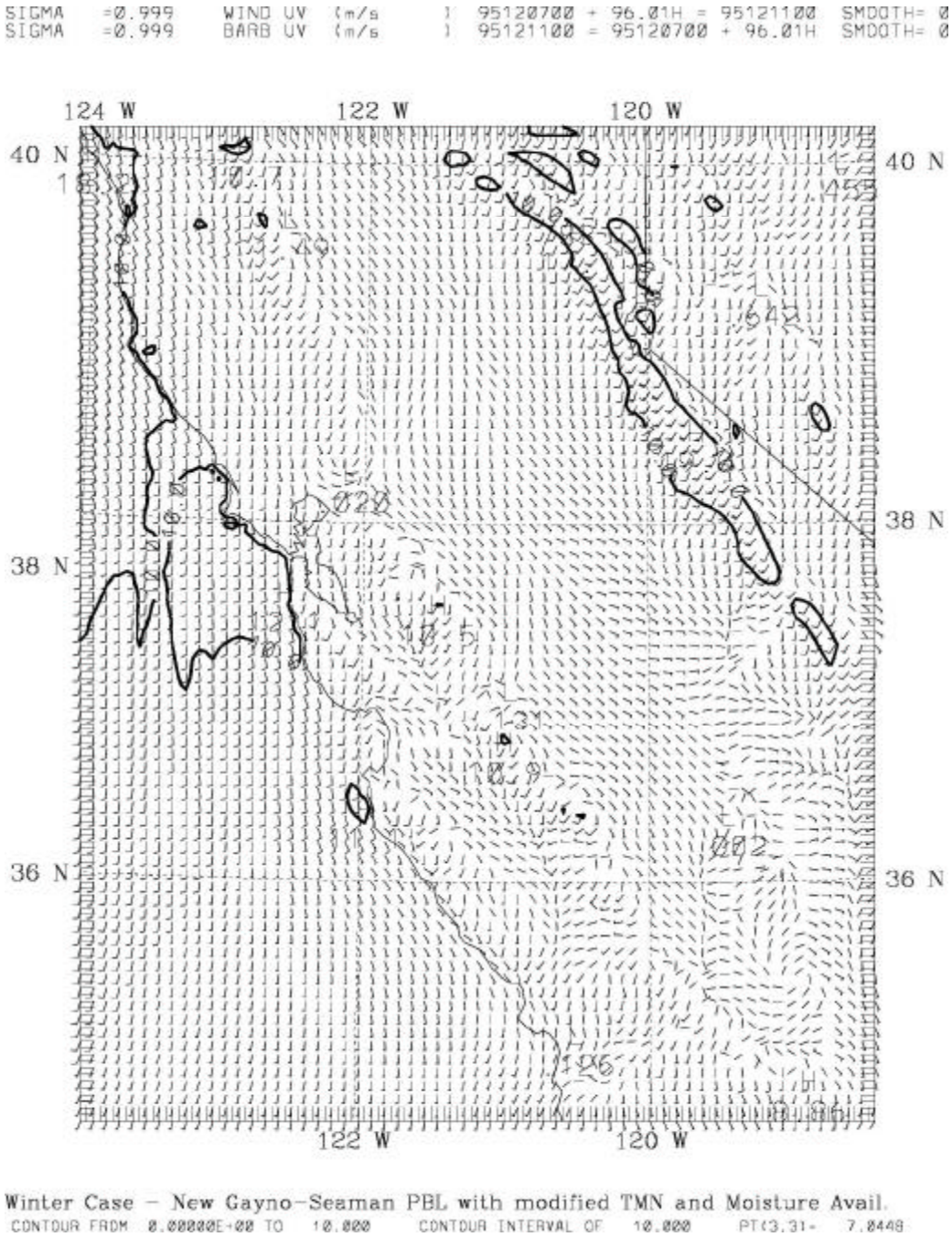

Figure 60. MM5 simulated winds (m s^{-1}) in the surface layer (6 m AGL) on the 4-km domain, valid for 0000 UTC, 11 December 1995, (+96 h) in Exp. GS-3. Isotach interval is 10 m s^{-1}.

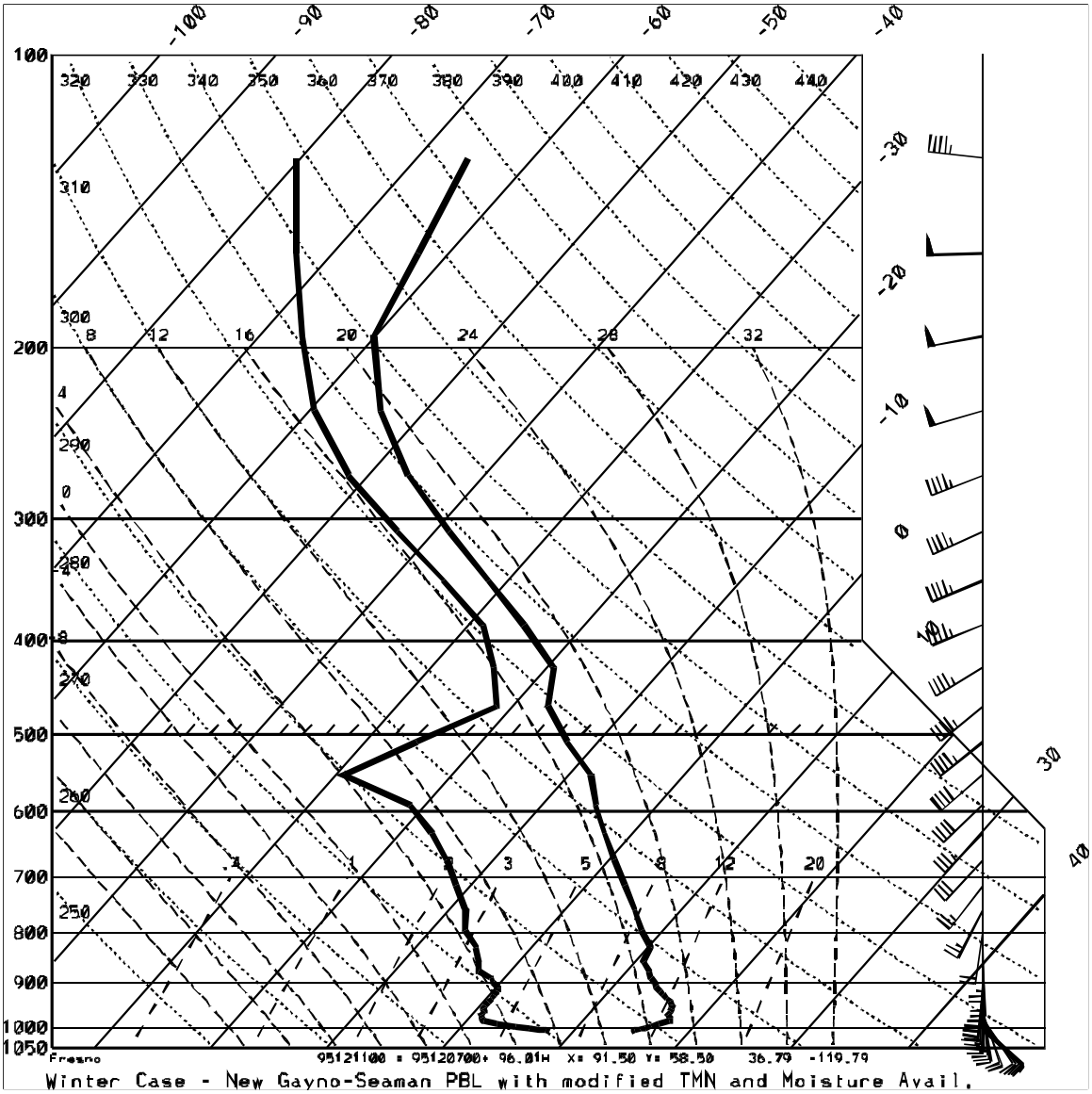

Figure 61. MM5 simulated sounding plotted at Fresno, CA, for 0000 UTC, 11 December 1995, (+96 h) in Exp. GS-3.

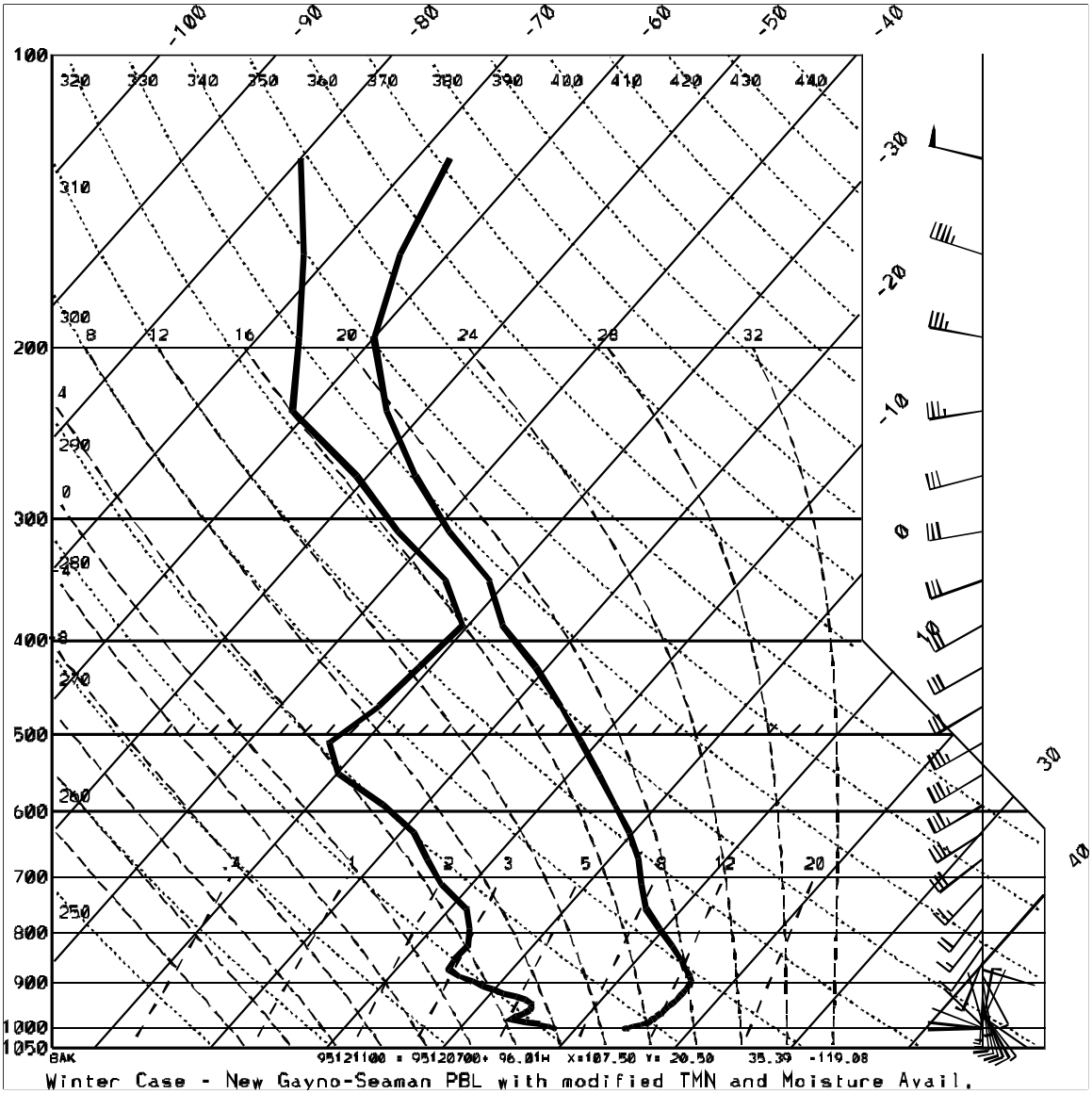

Figure 62. MM5 simulated sounding plotted at Bakersfield, CA, for 0000 UTC, 11 December 1995, (+96 h) in Exp. GS-3.

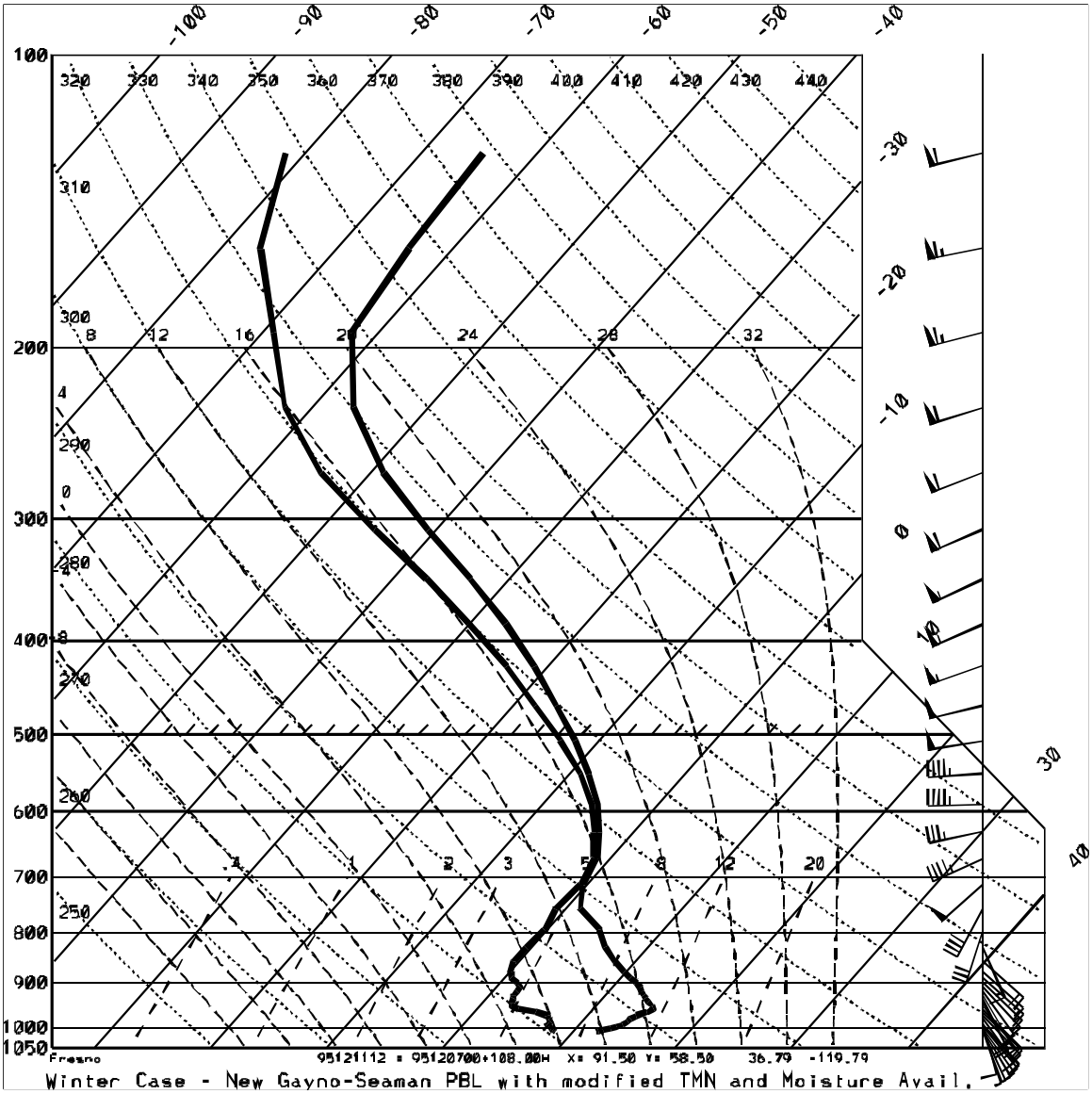

Figure 63. MM5 simulated sounding plotted at Fresno, CA, for 1200 UTC, 11 December 1995, (+108 h) in Exp. GS-3.

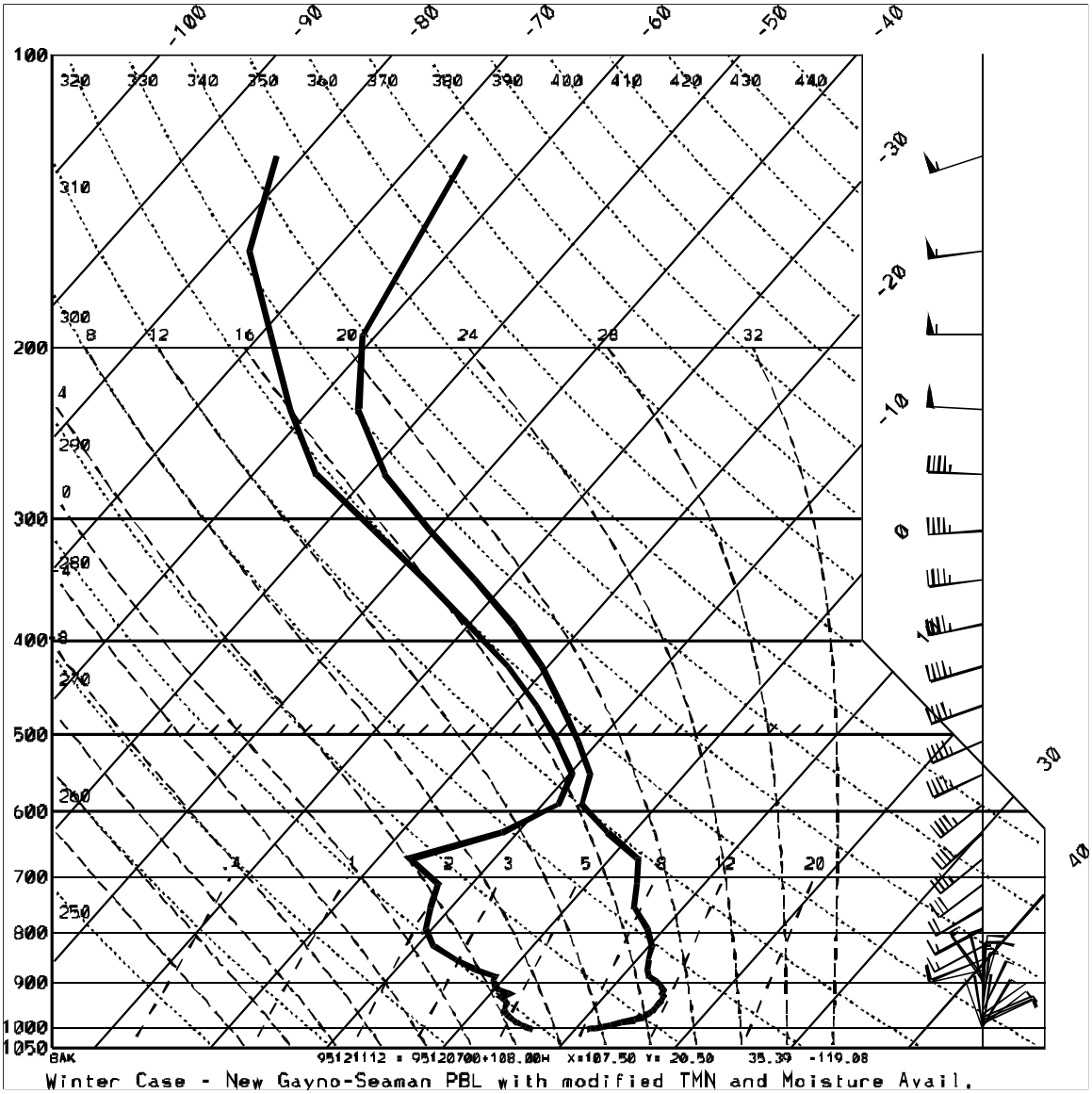

Figure 64. MM5 simulated sounding plotted at Bakersfield, CA, for 1200 UTC, 11 December 1995, (+108 h) in Exp. GS-3.