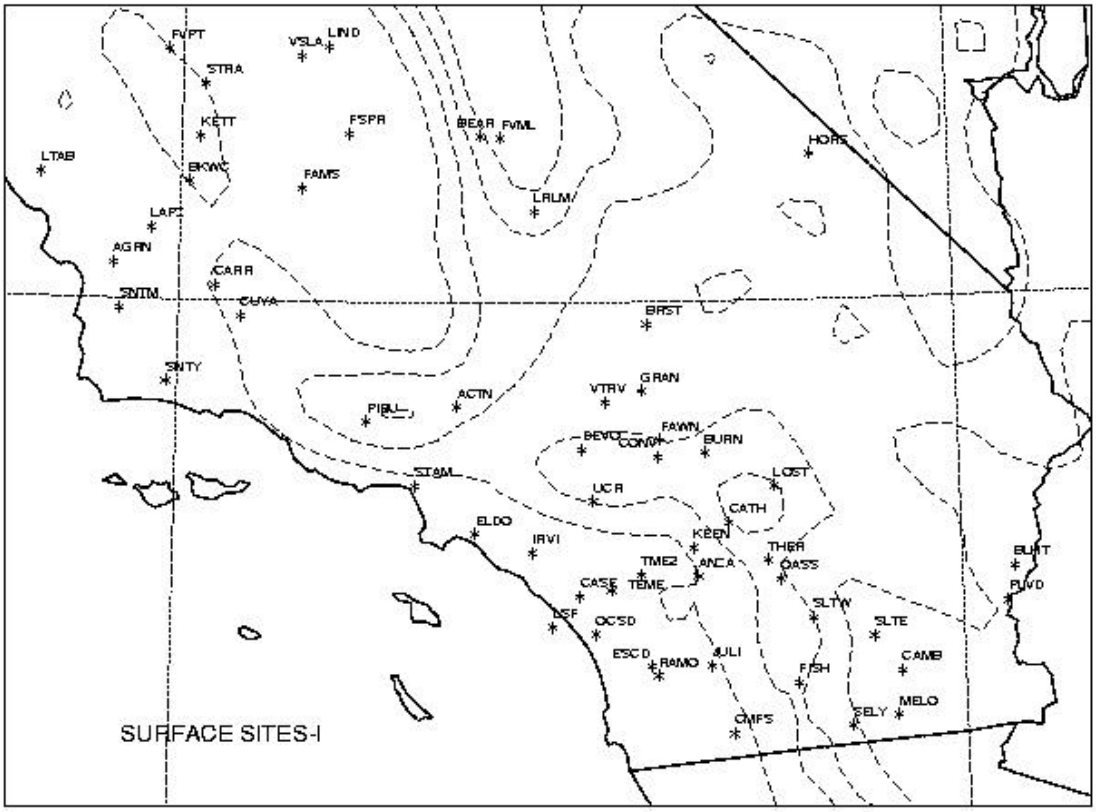


Figure 65. Selected SoCAB surface observational sites (Part I).

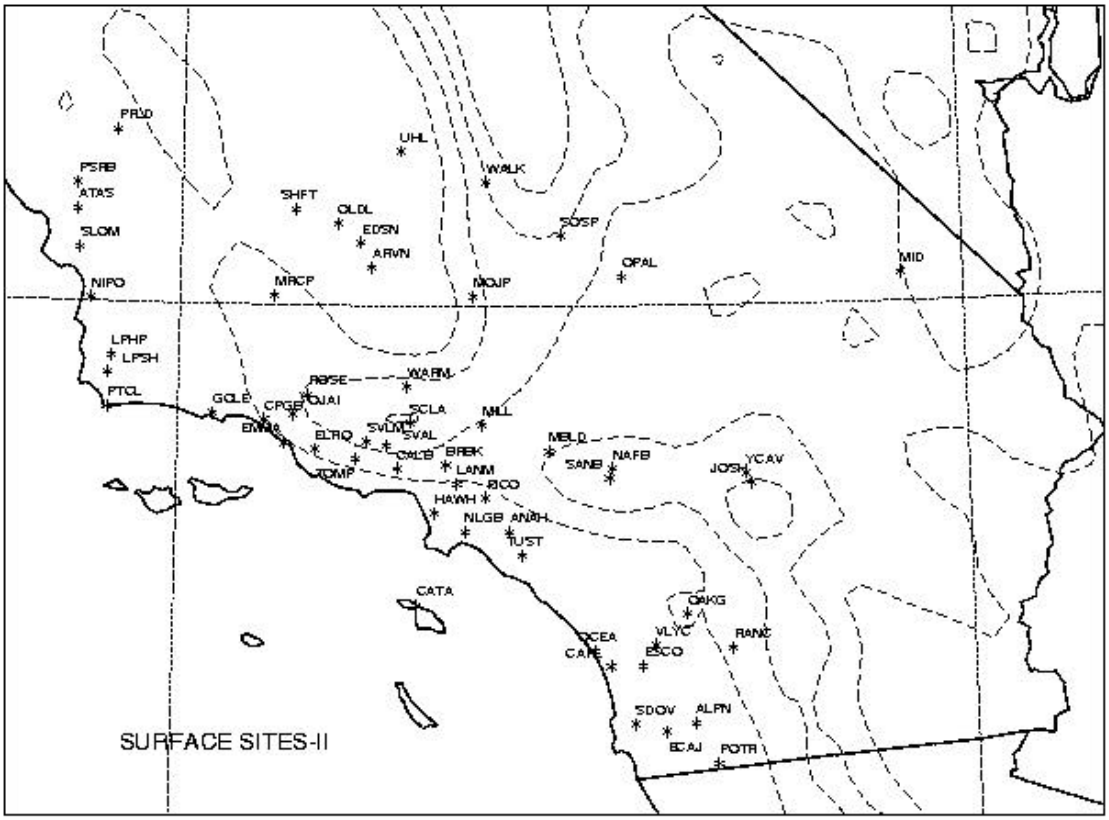


Figure 66. Selected SoCAB surface observational sites (Part II)

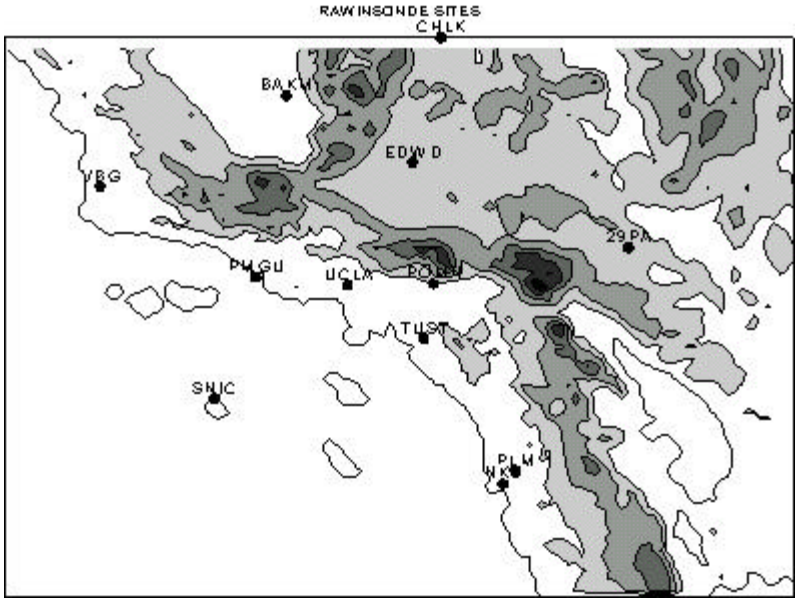


Figure 67a. SoCAB rawinsonde observational sites.

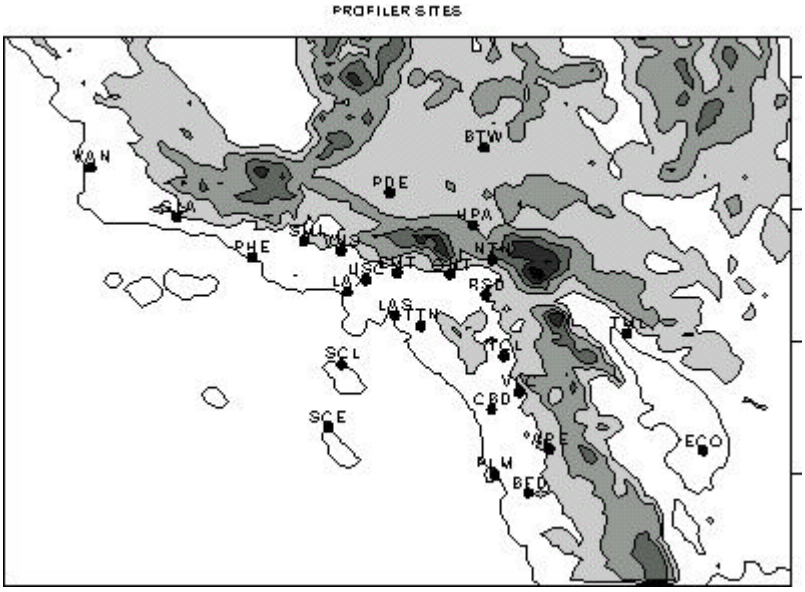


Figure 67b. RWP/RASS profiler observational sites.

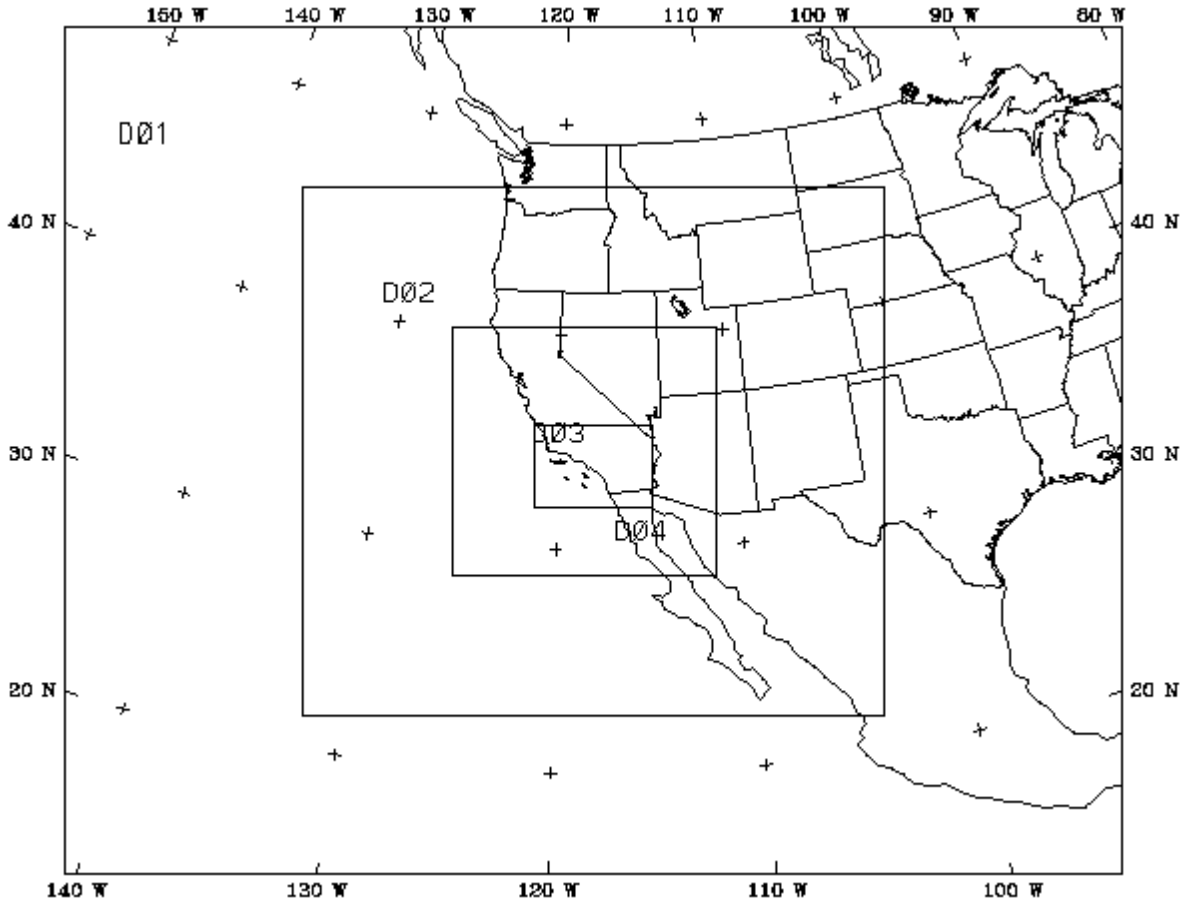


Figure 68. MM5 domains

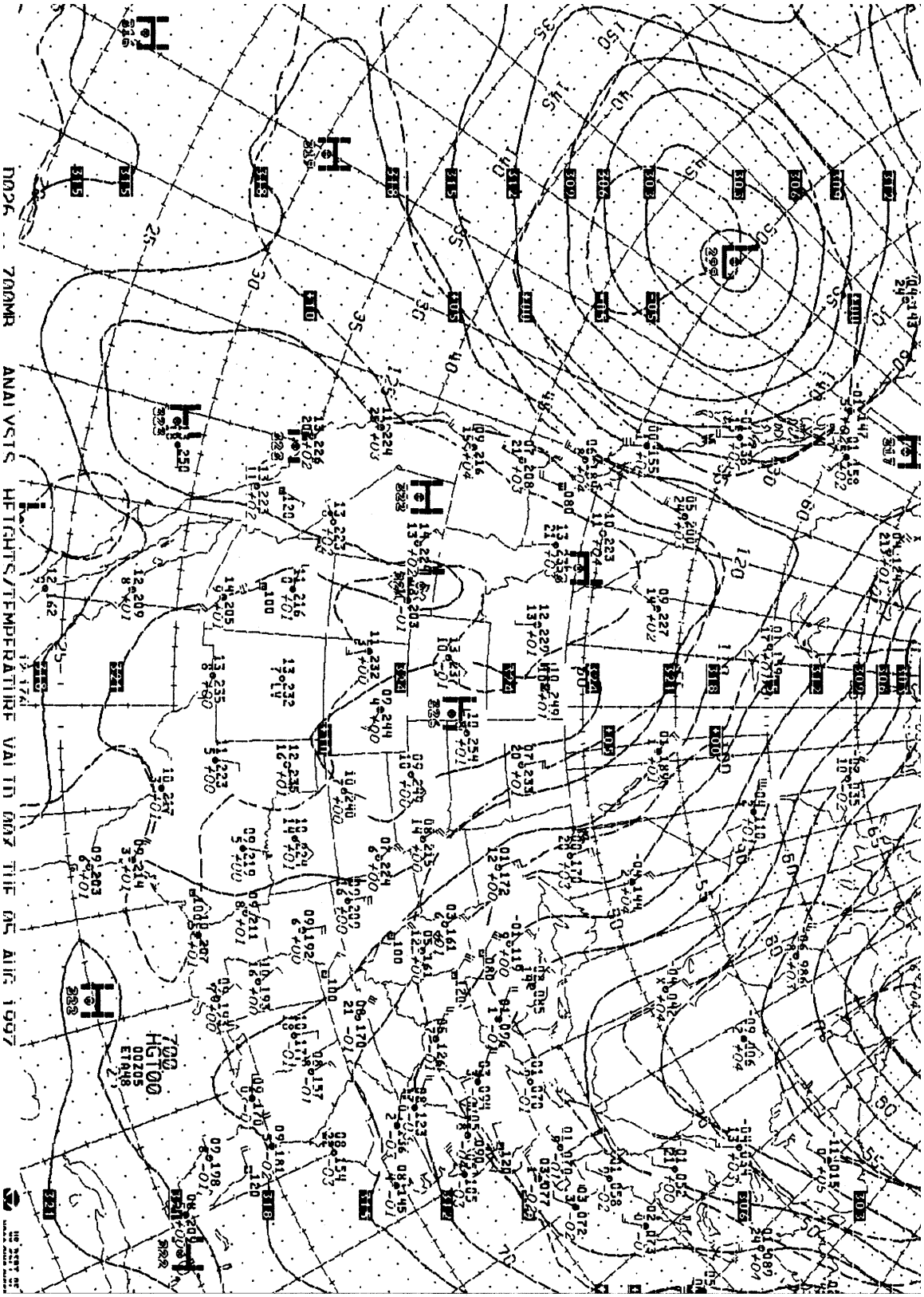


Figure 69a. 700mb NWS weather charts (height contour interval of 30 m) at 05/00UTC.

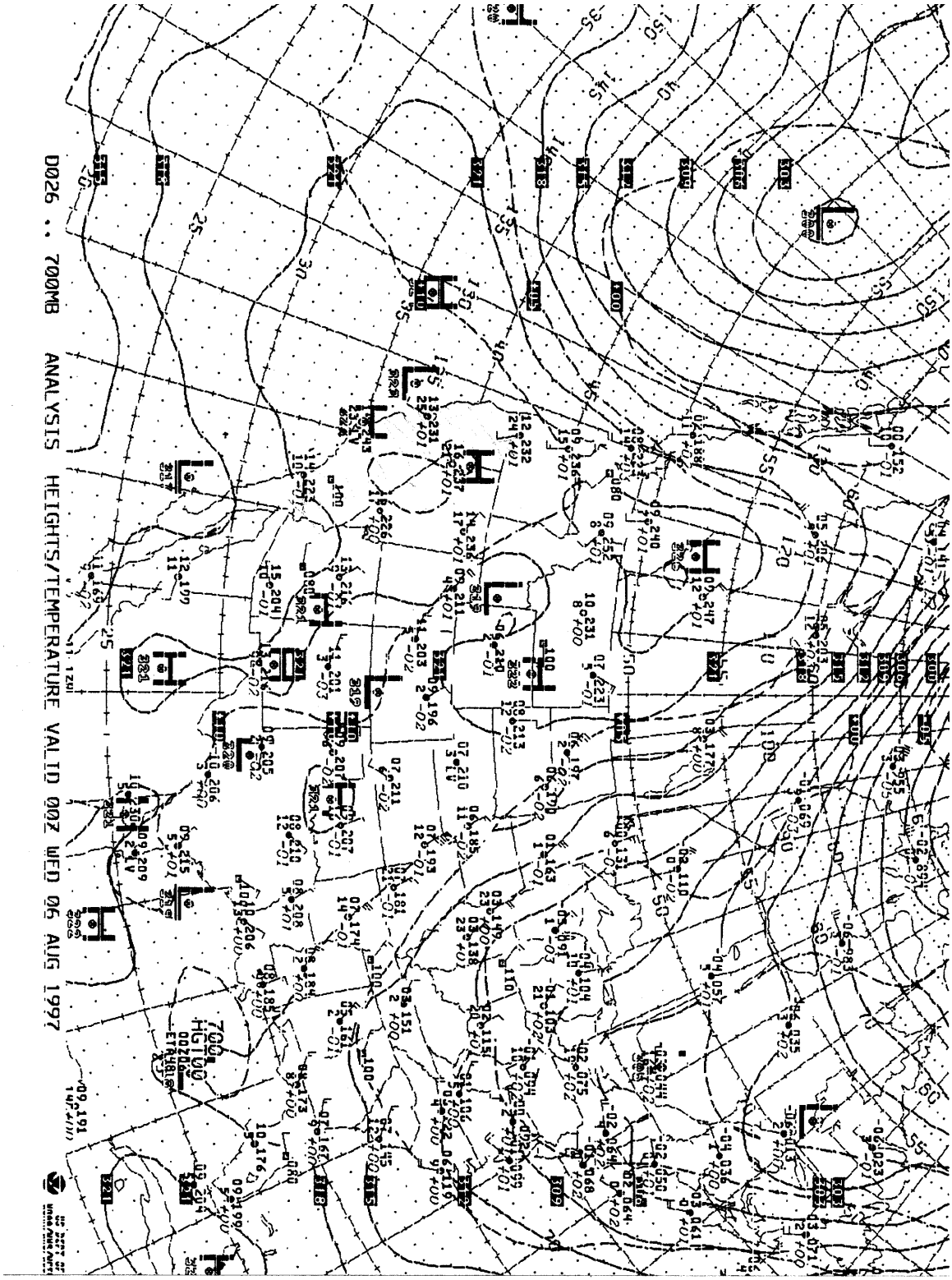


Figure 69 b. 700mb NWS weather charts (height contour interval of 30 m) at 06/00UTC.

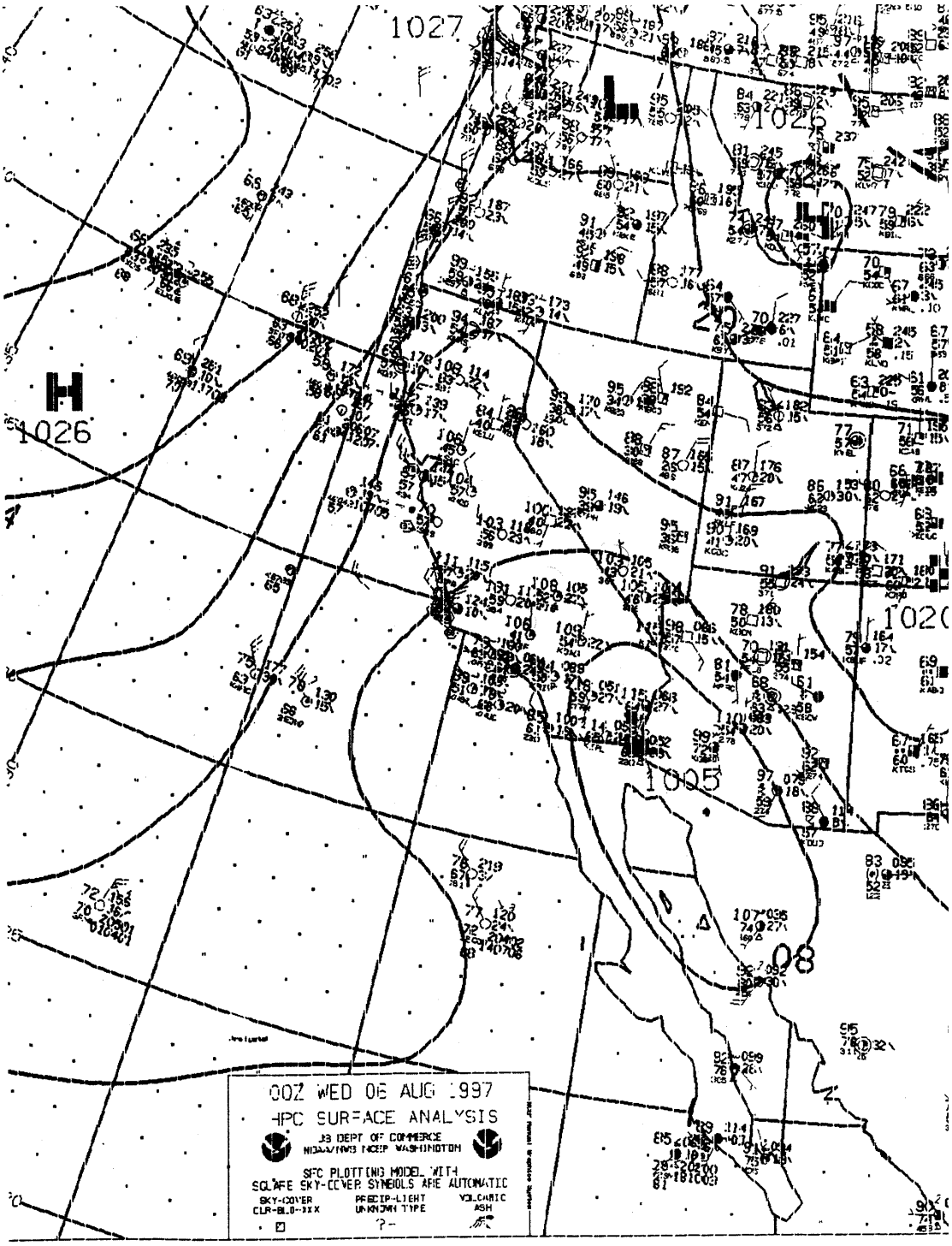


Figure 70. Surface NWS weather charts (isobar interval of 4 mb) at 06/00UTC.

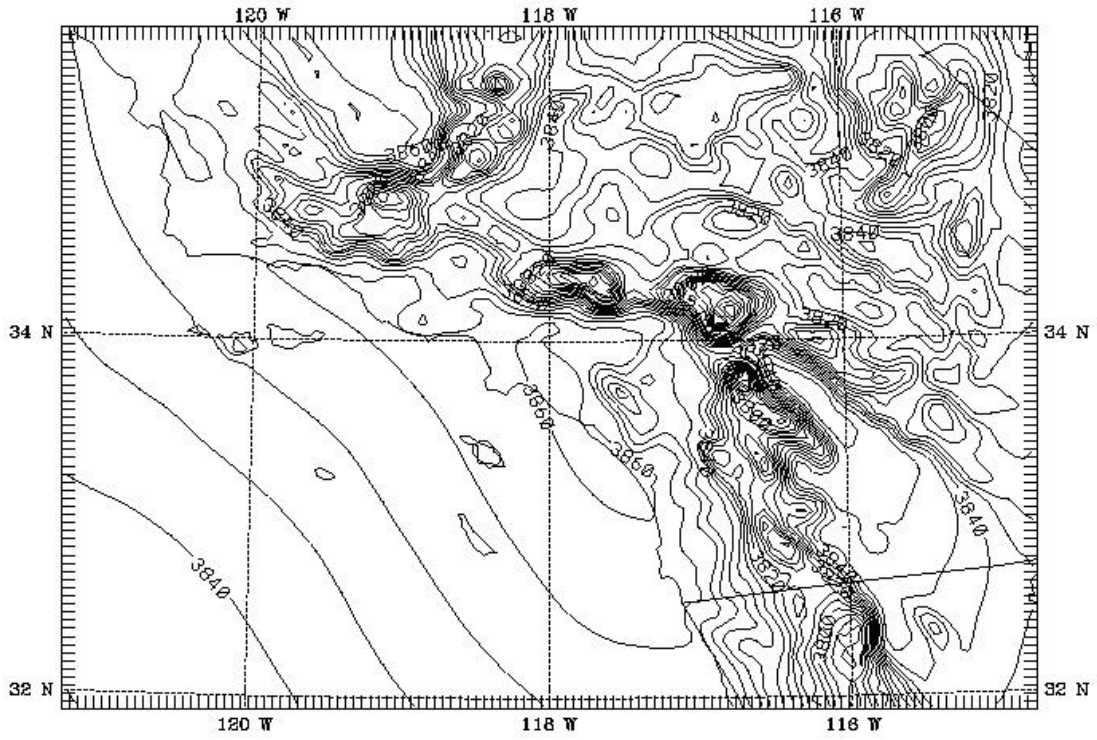


Figure 71a. GDAS model 650 mb heights (height contour interval of 5 m) for 05/00UTC.

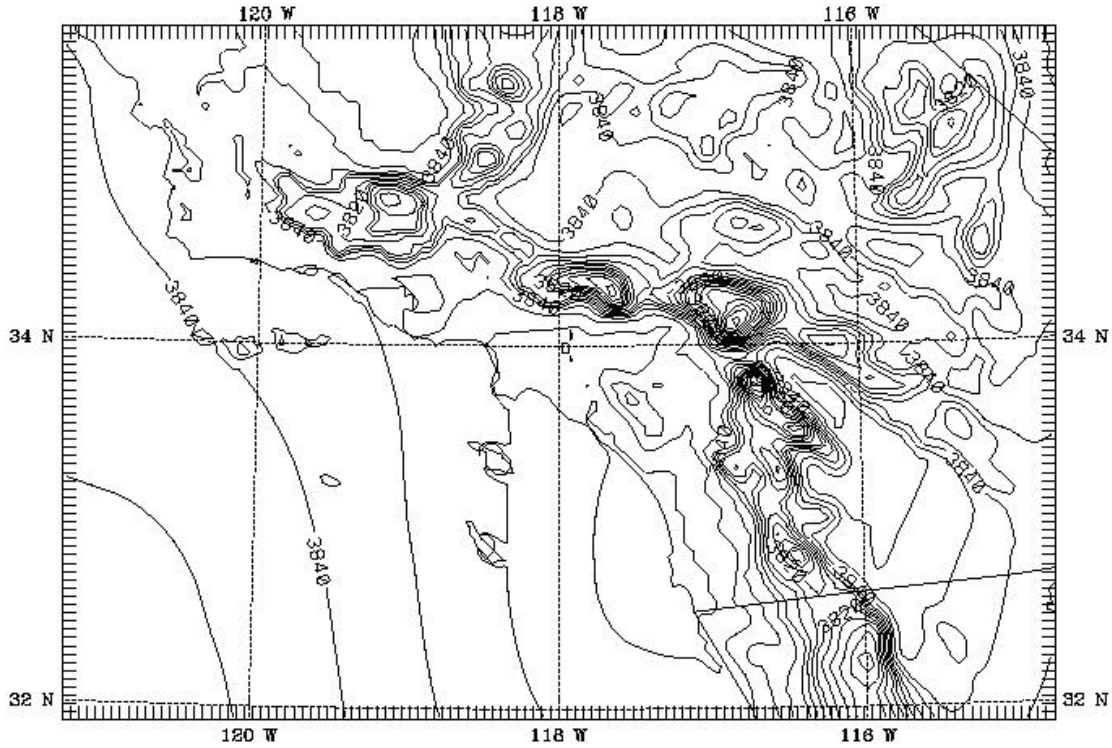


Figure 71b. GDAS model 650 mb heights (height contour interval of 5 m) for 05/12UTC.

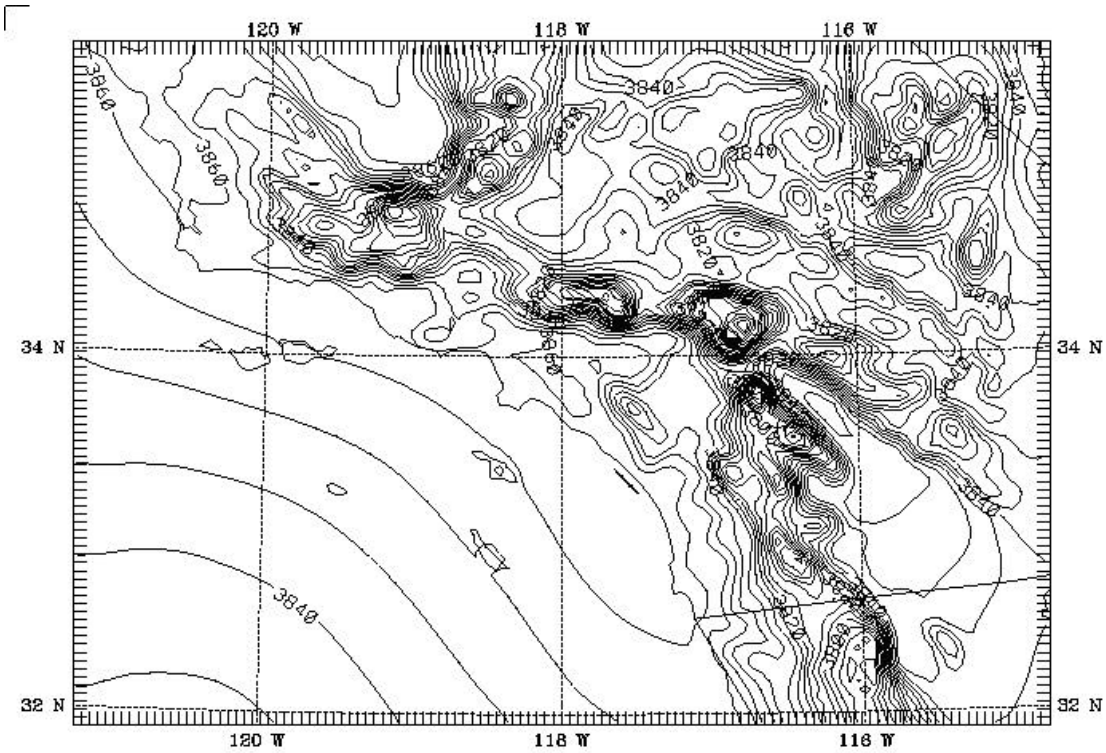


Figure 71c. GDAS model 650 mb heights (height contour interval of 5 m) for 06/00UTC.

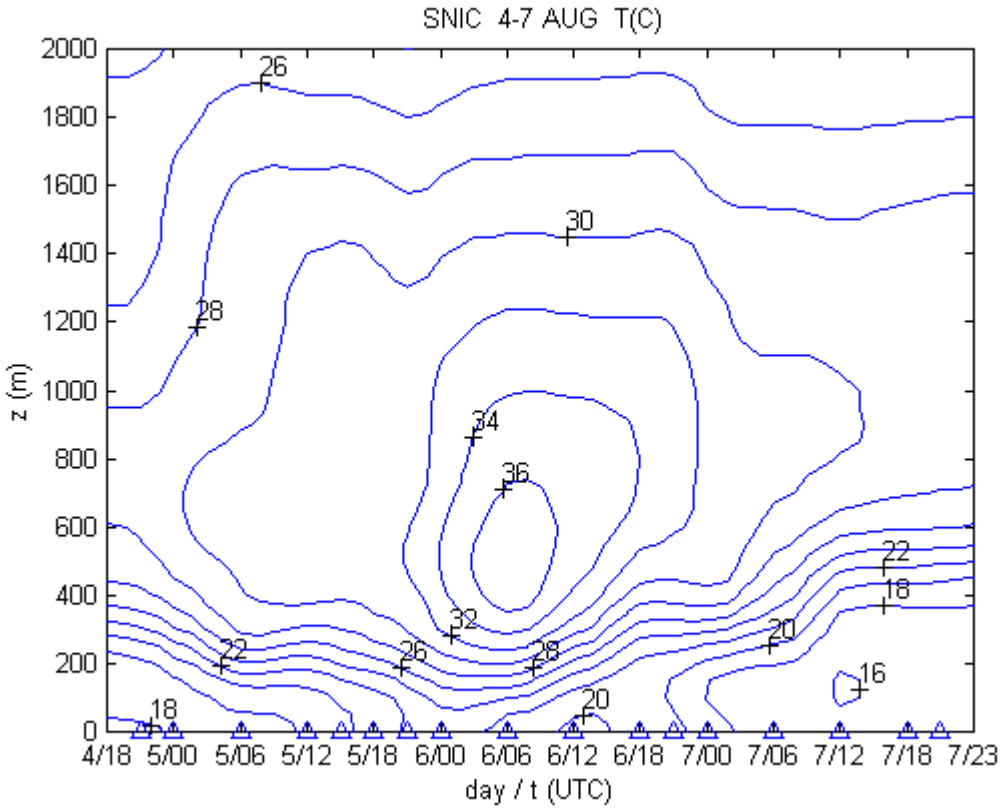


Figure 72a.Rawinsonde temperature ($^0$C) time section at SNIC.

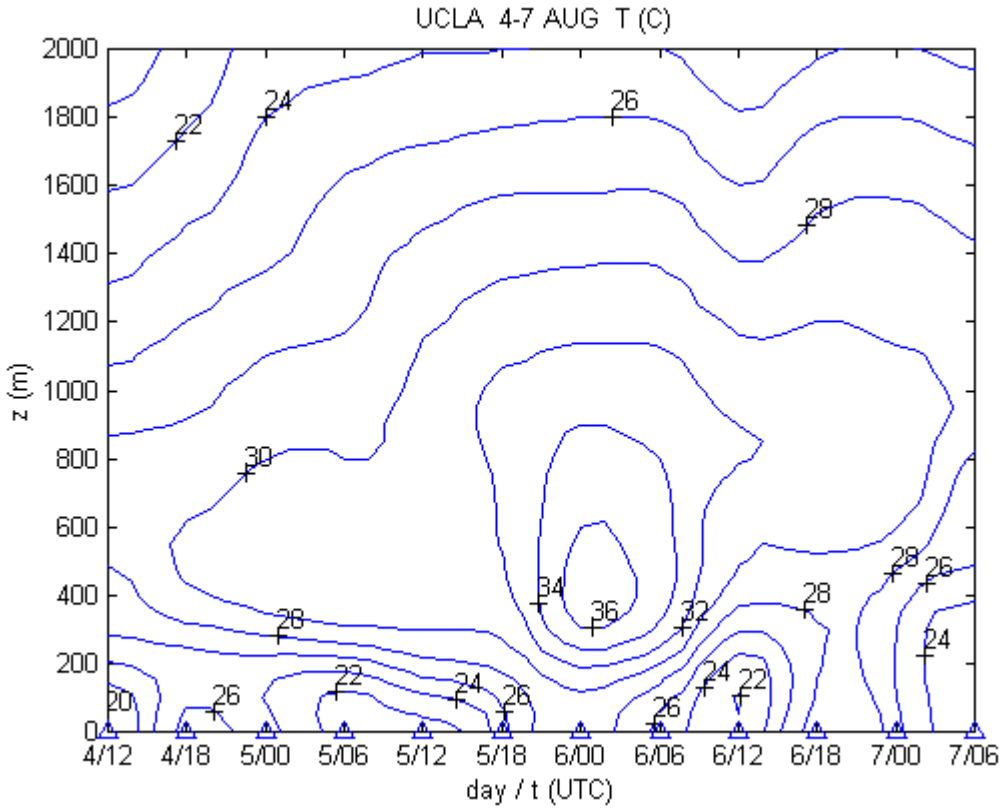


Figure 72b.Rawinsonde temperature ($^0$C) time section at UCLA.

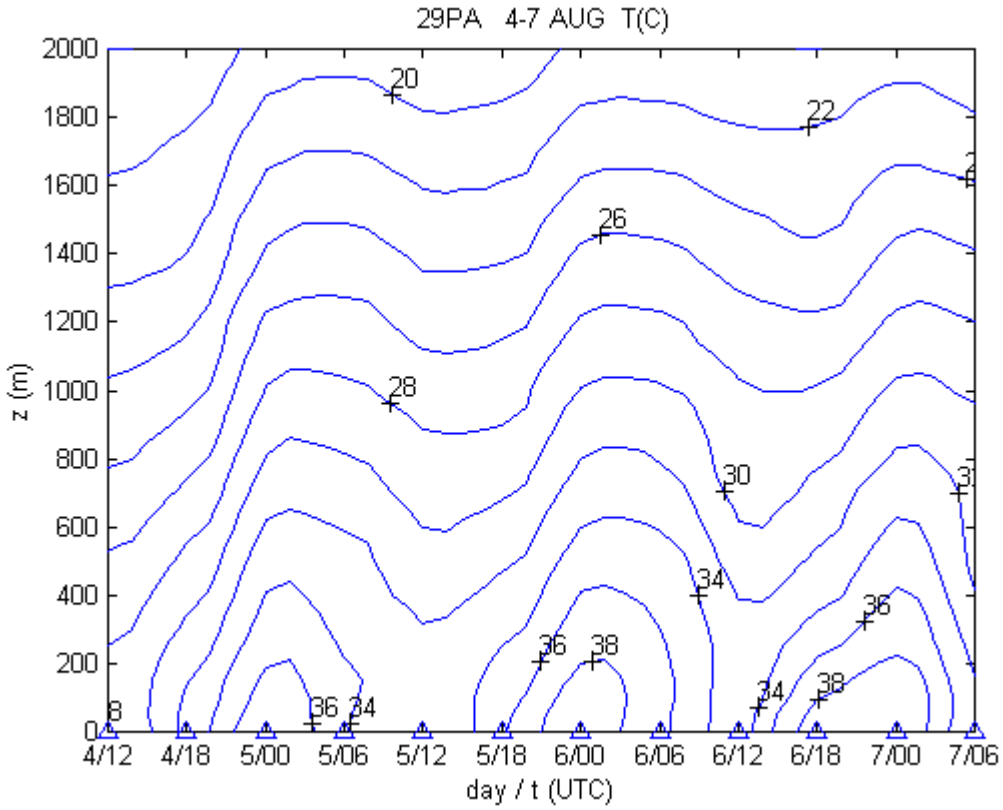


Figure 72c.Rawinsonde temperature ($^0$C) time section at 29PA.

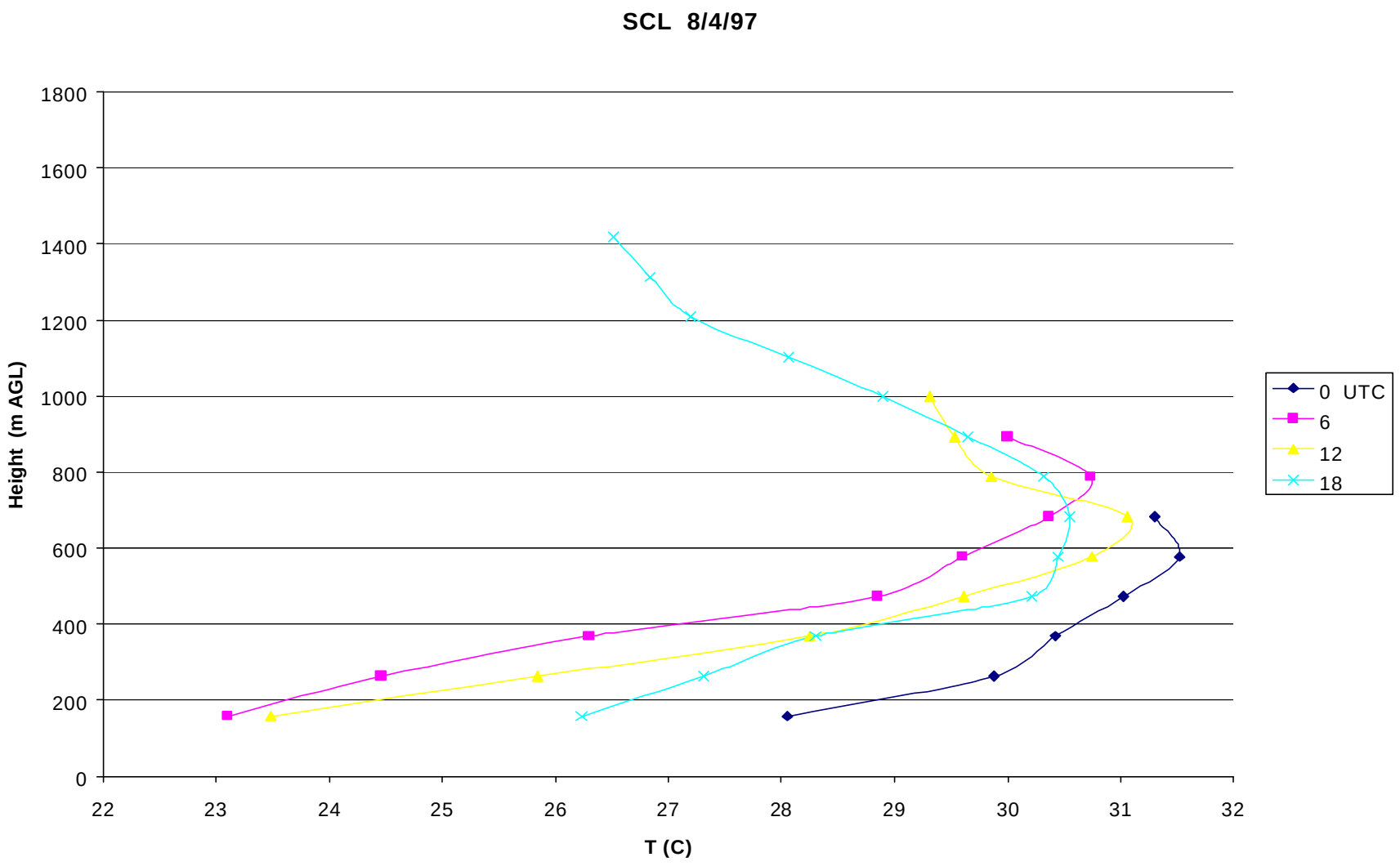


Figure 73a. RASS 6-hourly SCL temperature ($^0$C) profiles on 4 August.

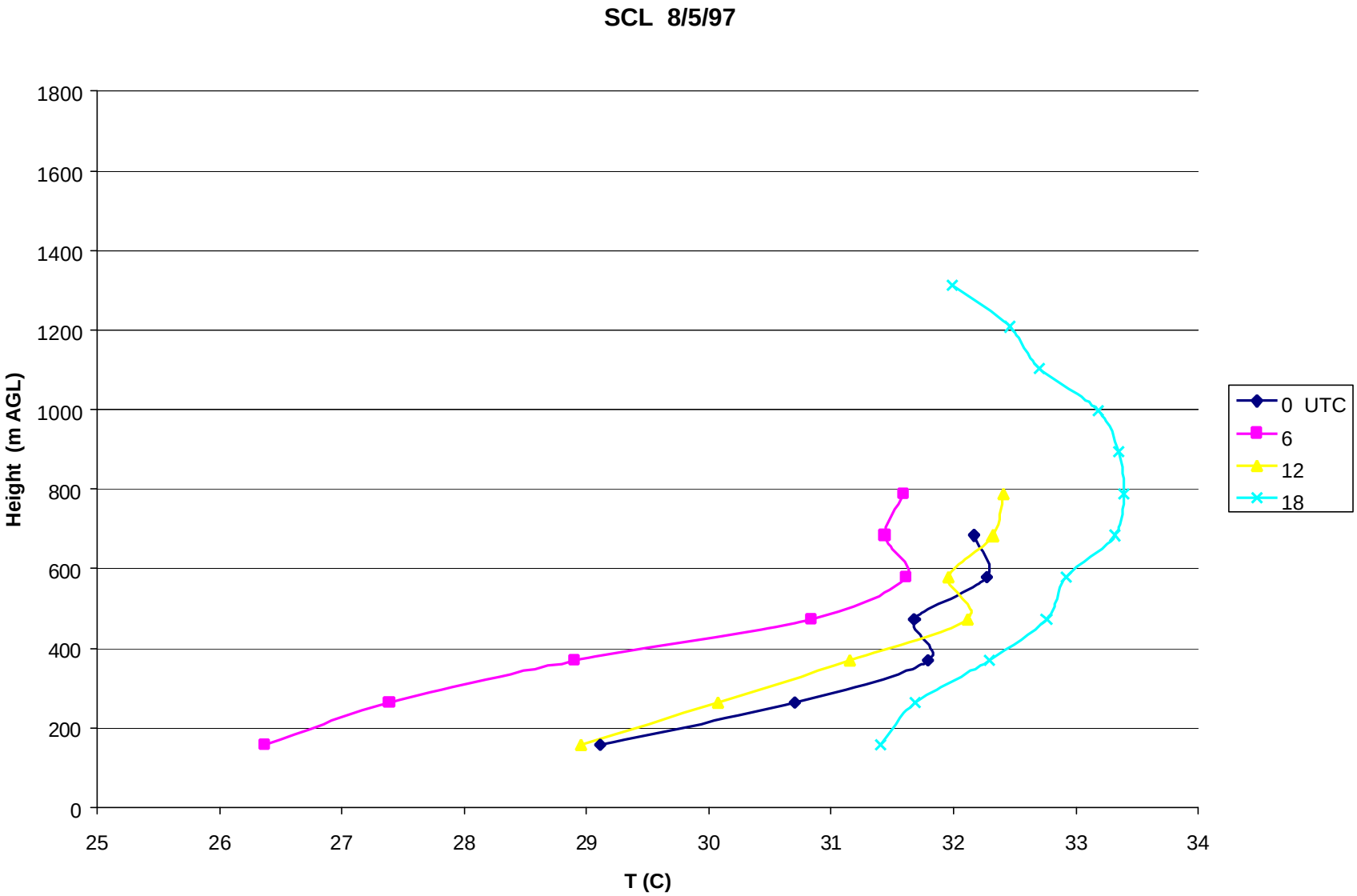


Figure 73b. RASS 6-hourly SCL temperature ($^0$C) profiles on 5 August.

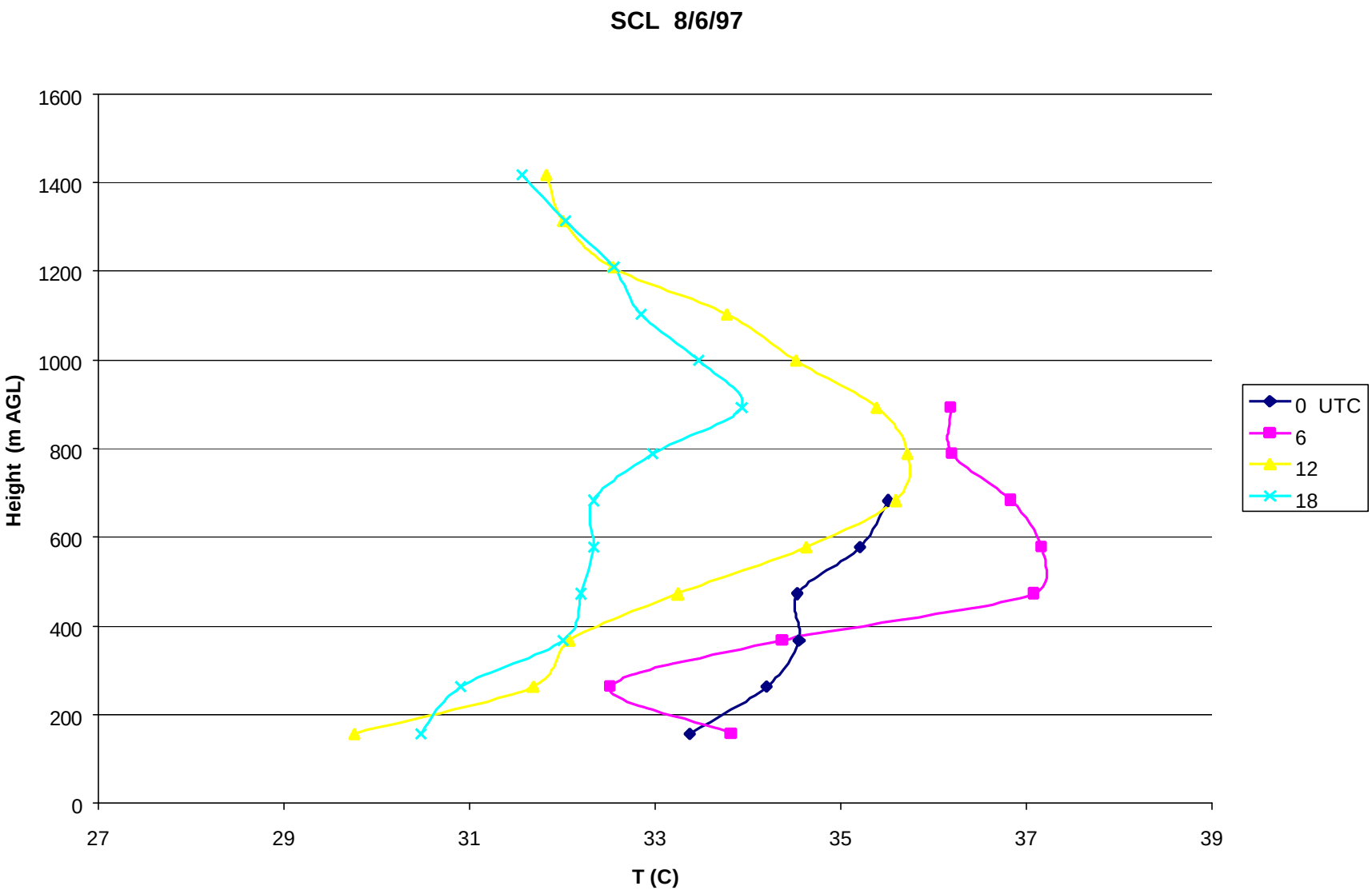


Figure 73c. RASS 6-hourly SCL temperature ($^0$C) profiles on 6 August.

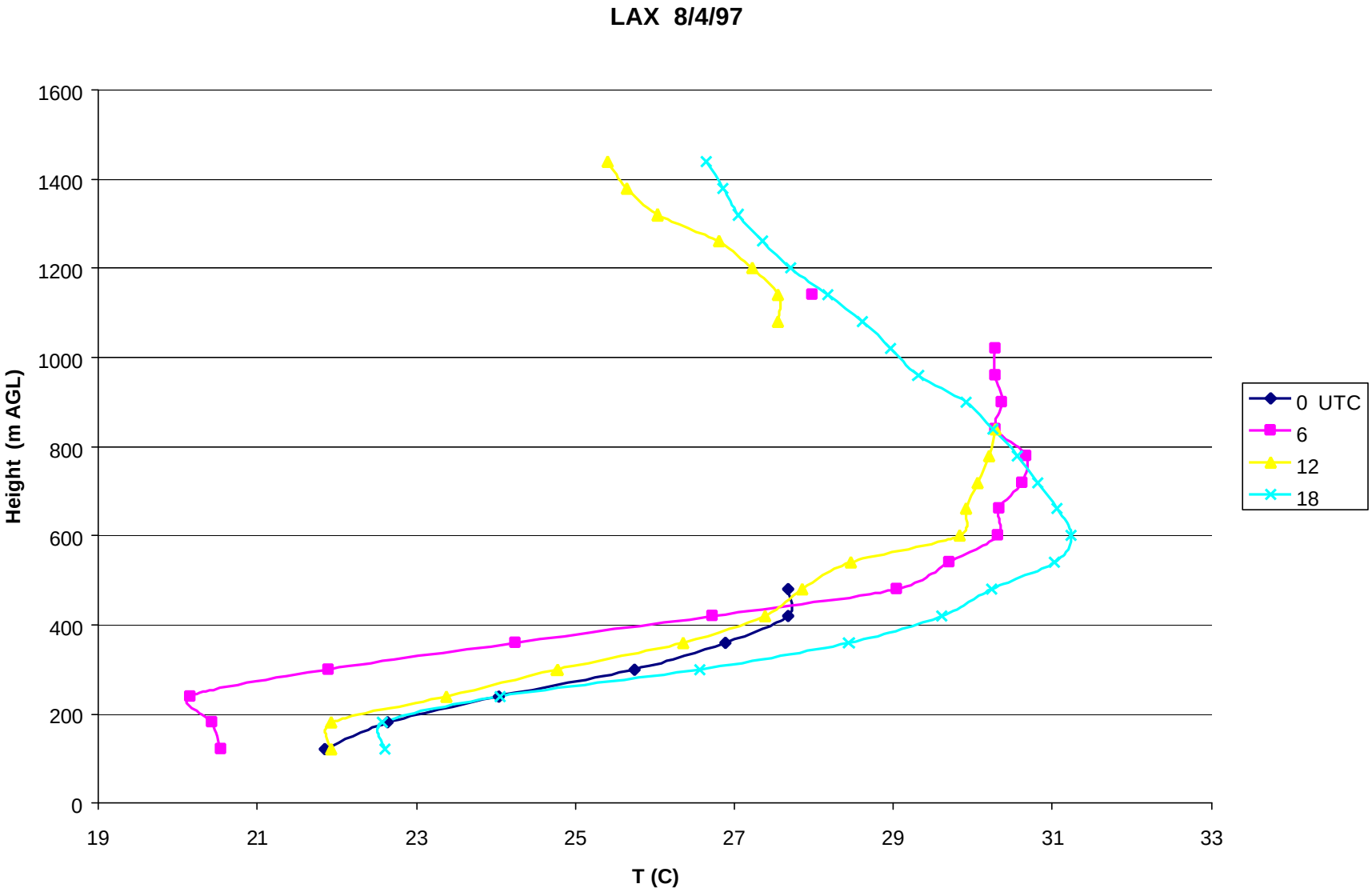


Figure 74a. RASS 6-hourly LAX temperature ($^0$C) profiles on 4 August.

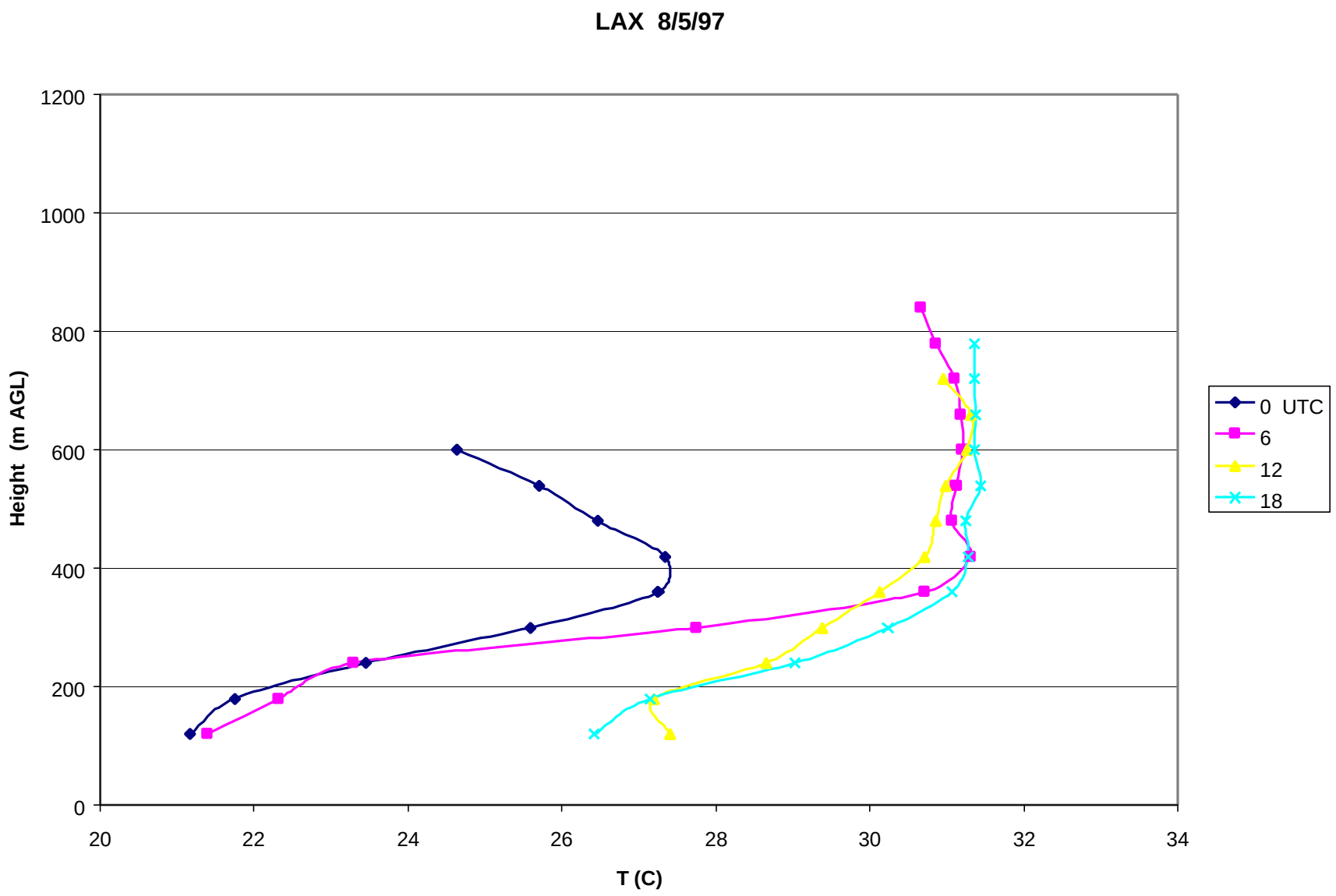


Figure 74b. RASS 6-hourly LAX temperature ($^0$C) profiles on 5 August.

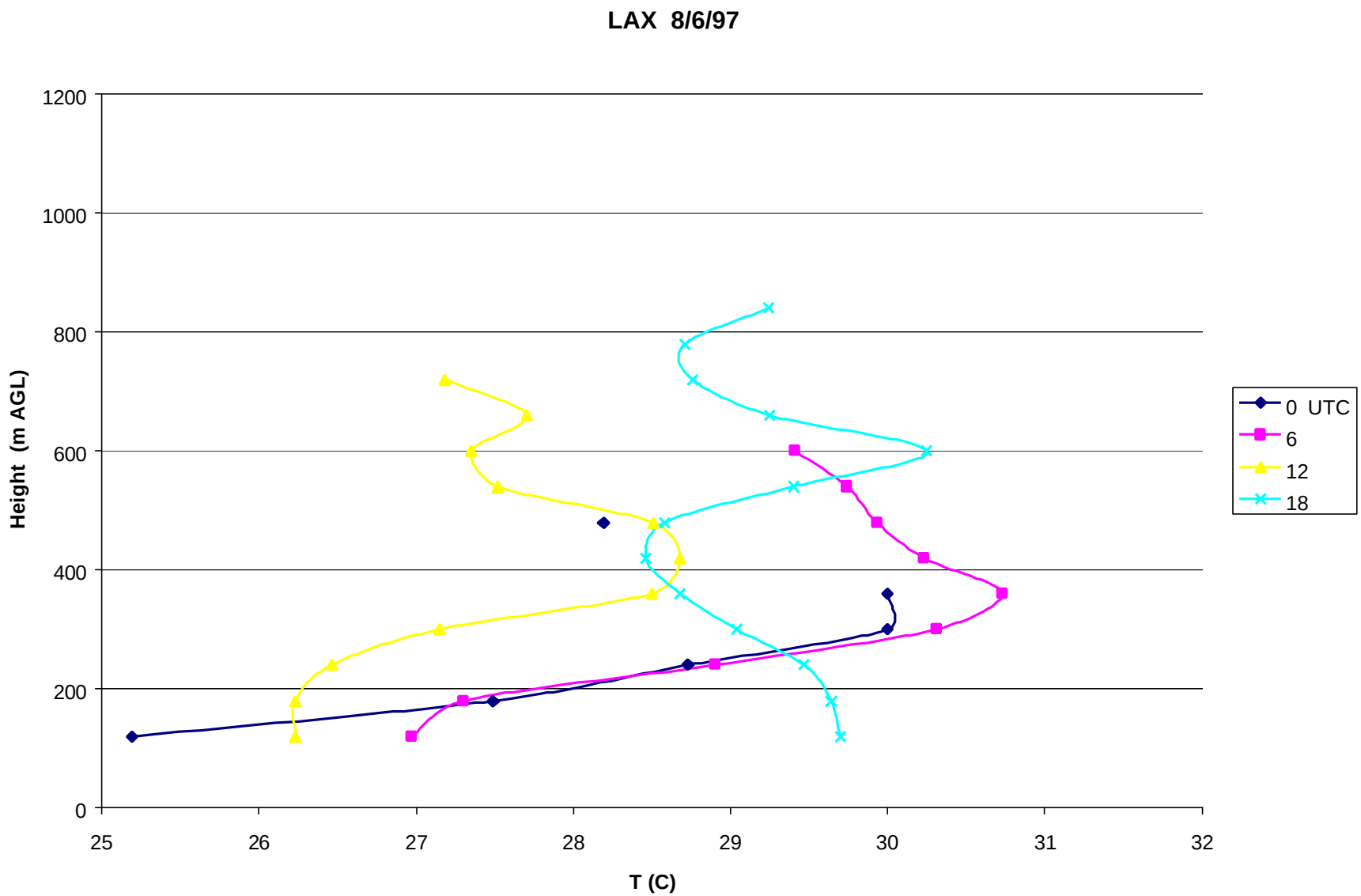


Figure 74c. RASS 6-hourly LAX temperature ($^0$C) profiles on 6 August.

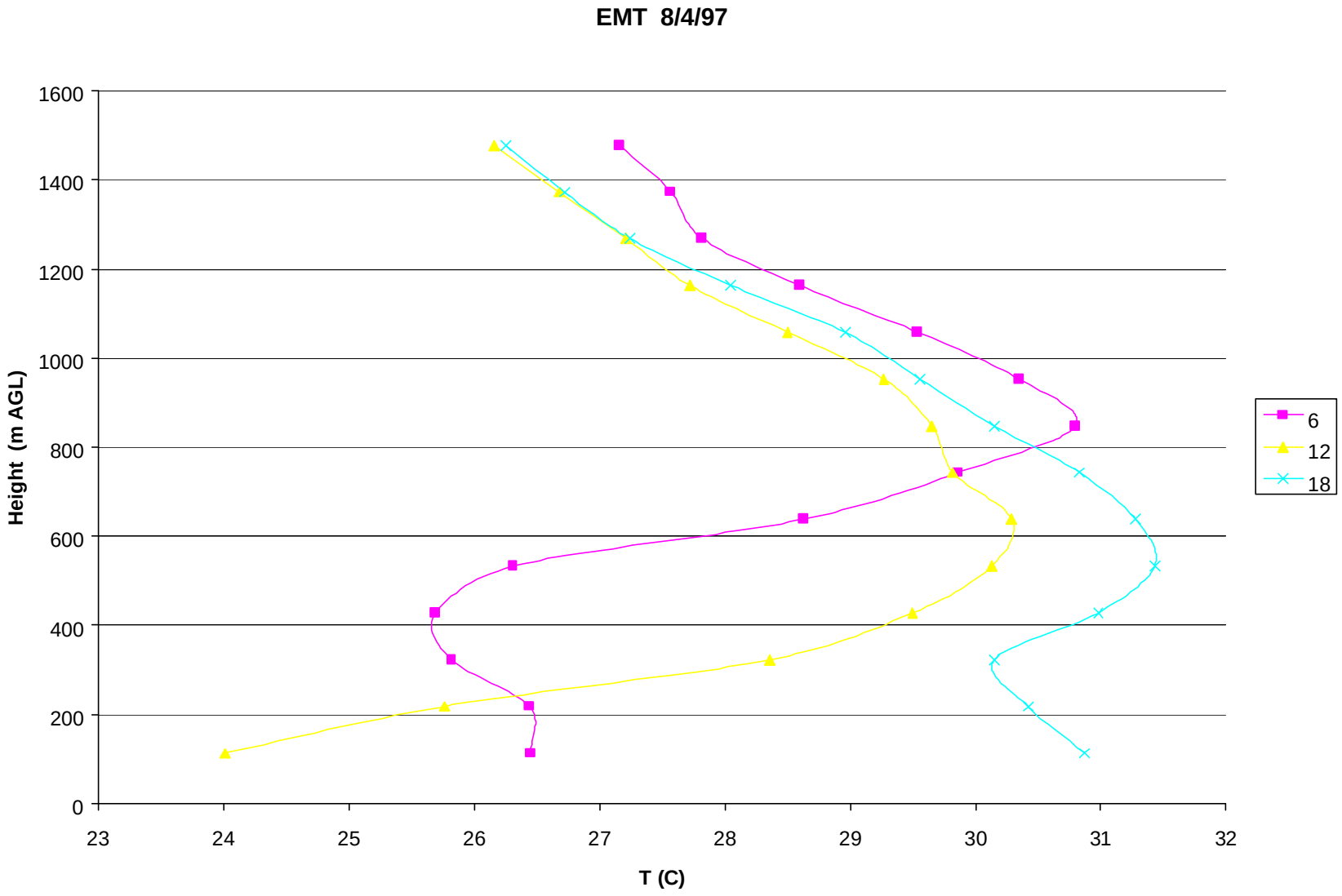


Figure 75a. RASS 6-hourly EMT temperature ($^0$C) profiles on 4 August.

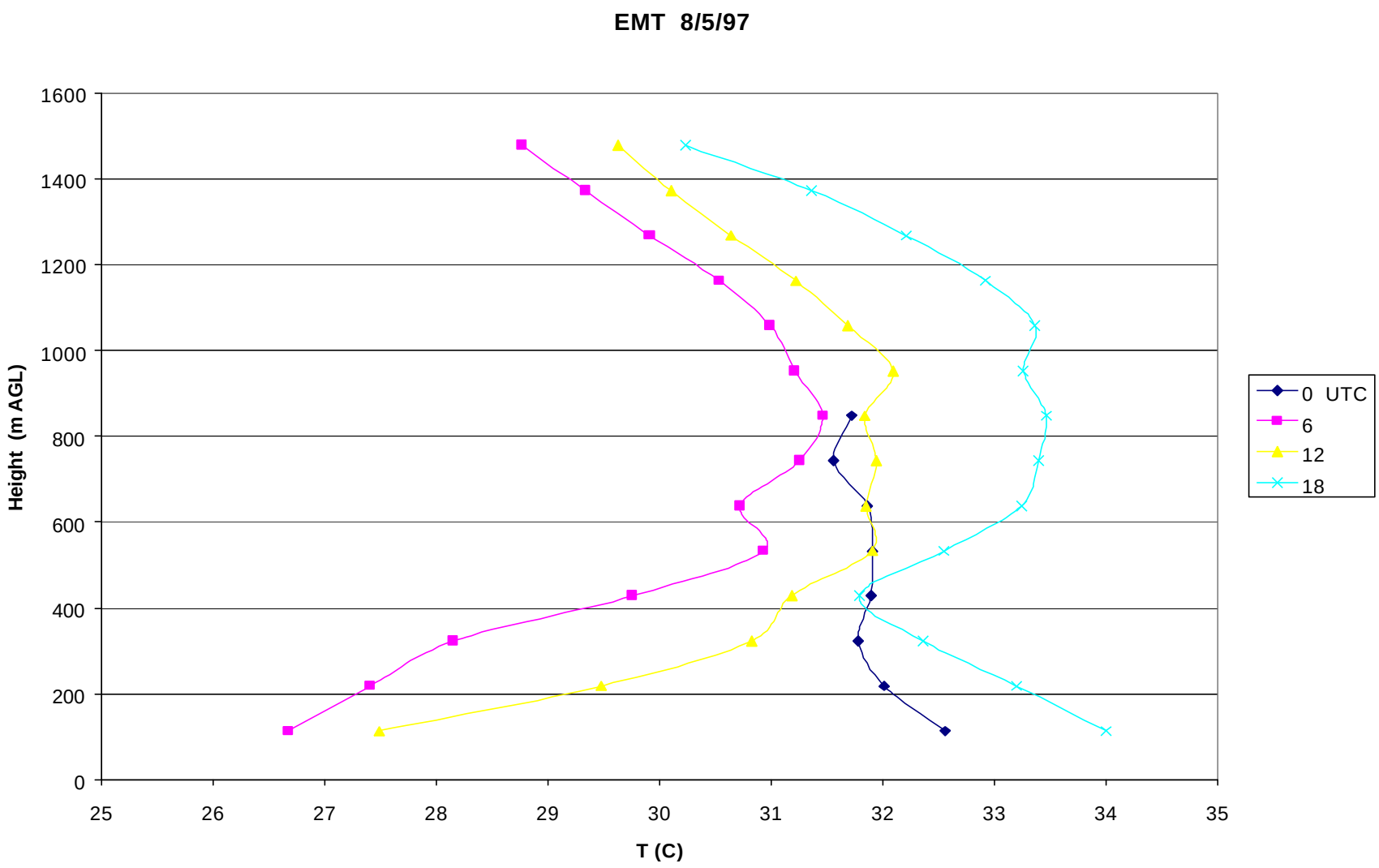


Figure 75b. RASS 6-hourly EMT temperature ($^0$C) profiles on 5 August.

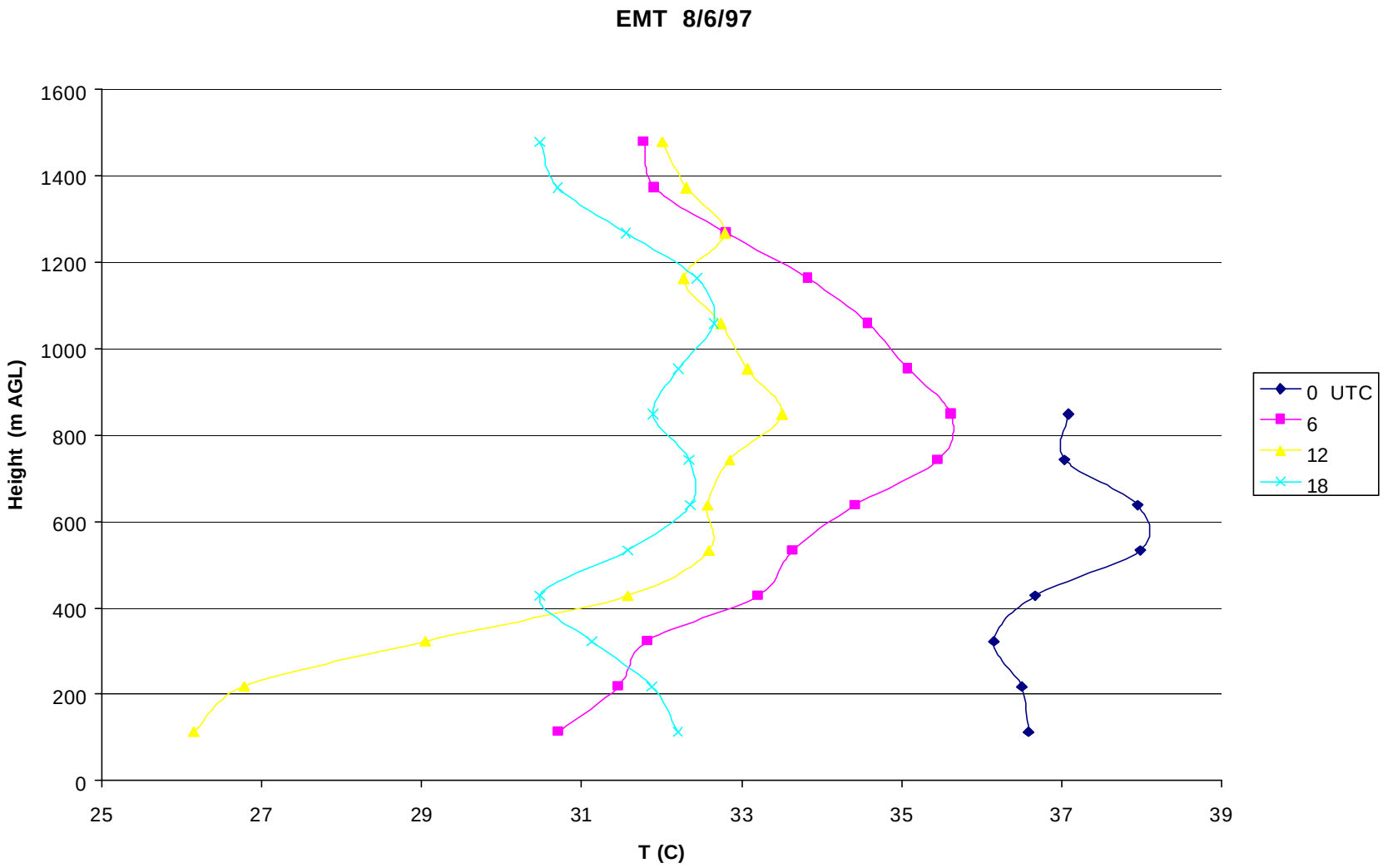


Figure 75c. RASS 6-hourly EMT temperature ($^0$C) profiles on 6 August.

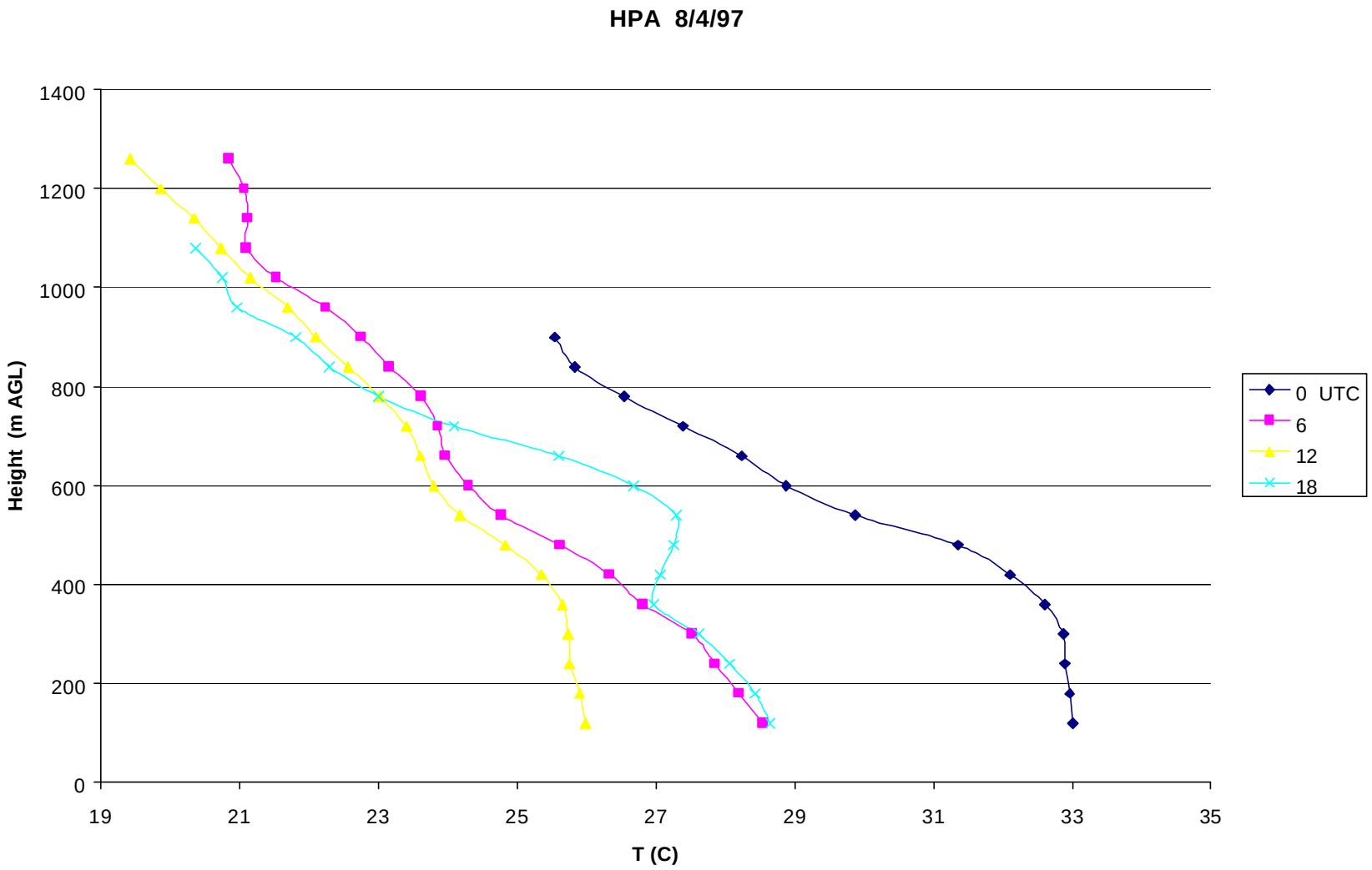


Figure 76a. RASS 6-hourly HPA temperature ($^0$C) profiles on 4 August.

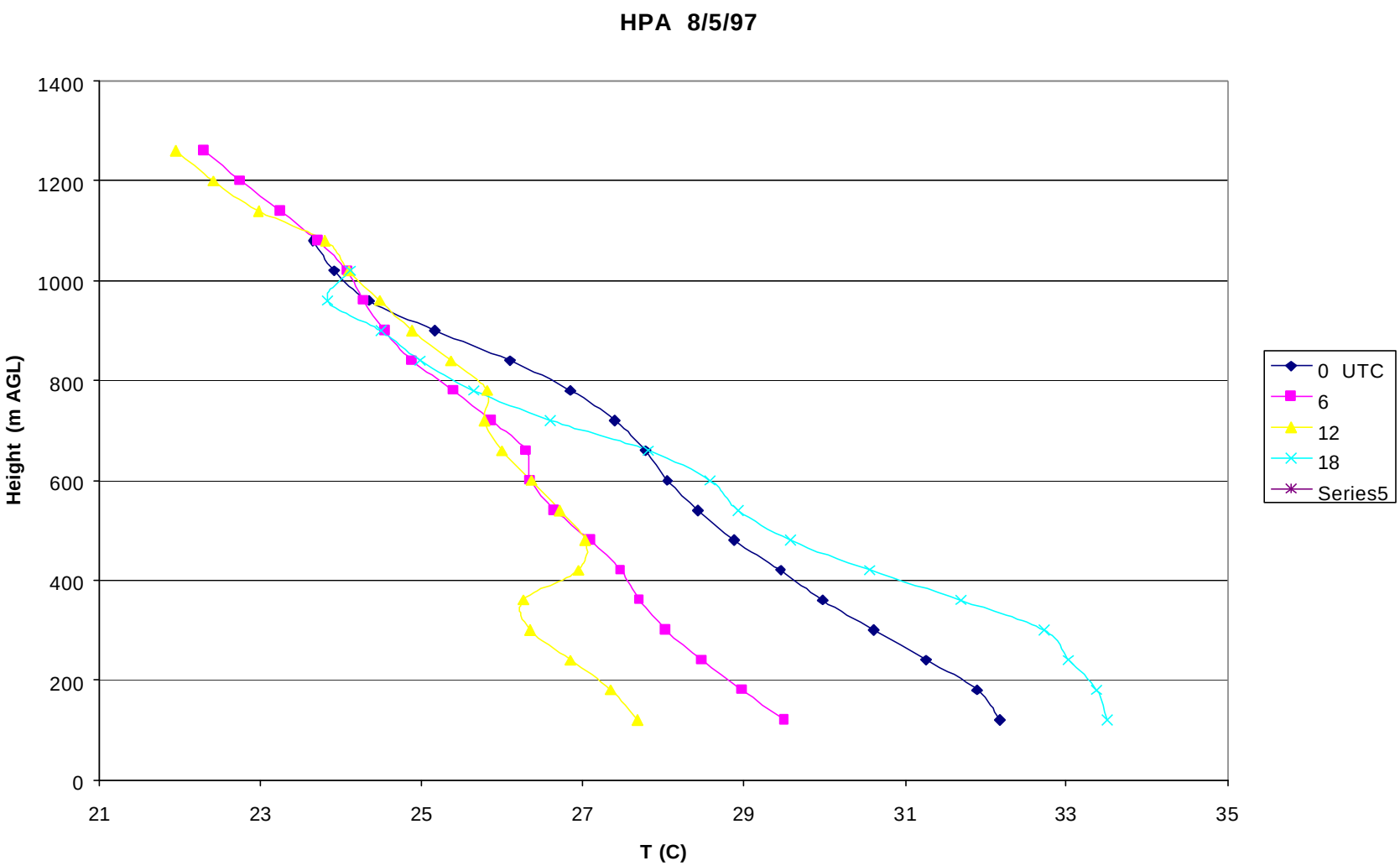


Figure 76b. RASS 6-hourly HPA temperature ($^0$C) profiles on 5 August

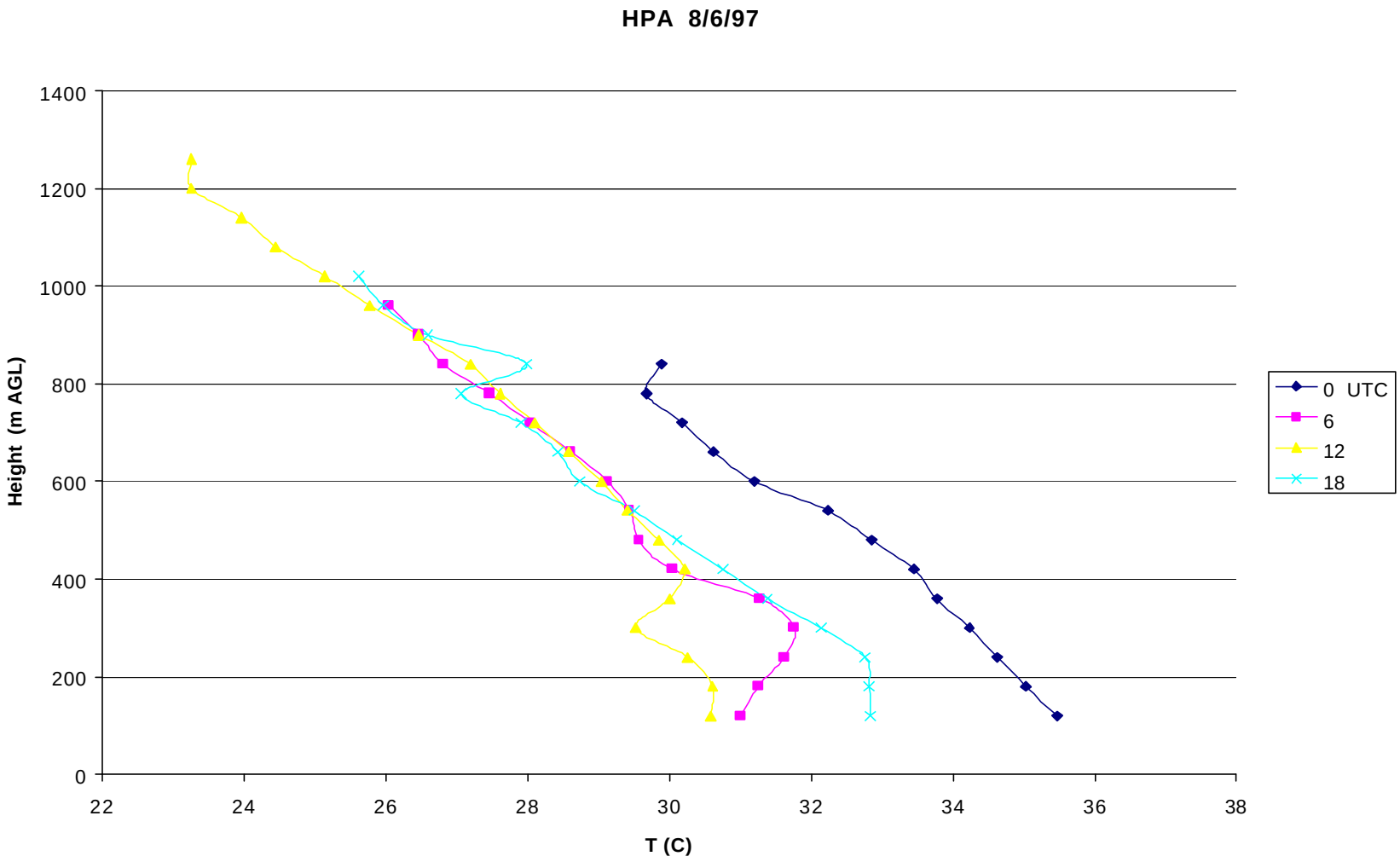


Figure 76c. RASS 6-hourly HPA temperature ($^0$C) profiles on 6 August.

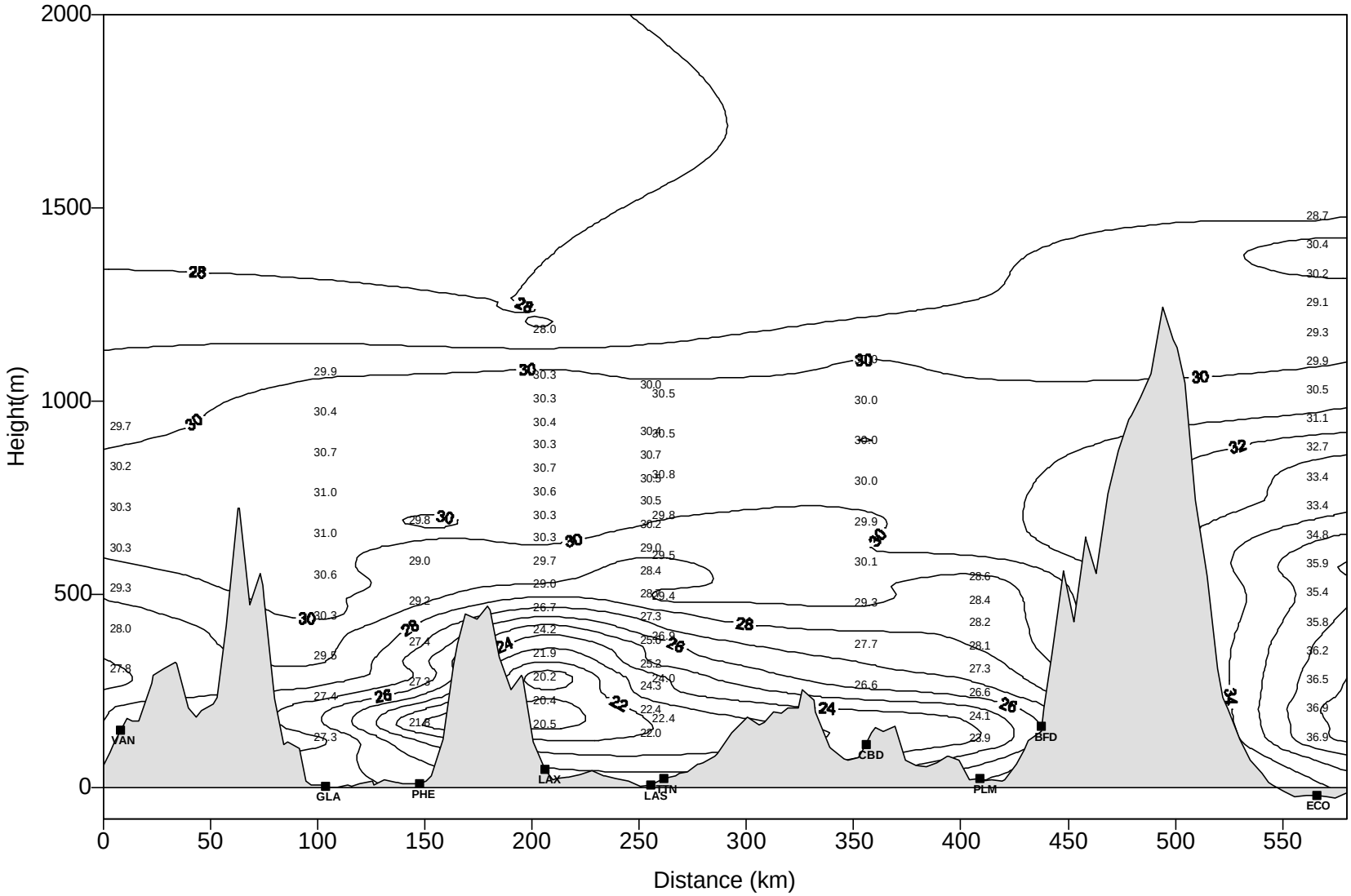


Figure 77a. Profiler temperature ($^0$C) cross-sections for 04/06UTC in coastal planes.

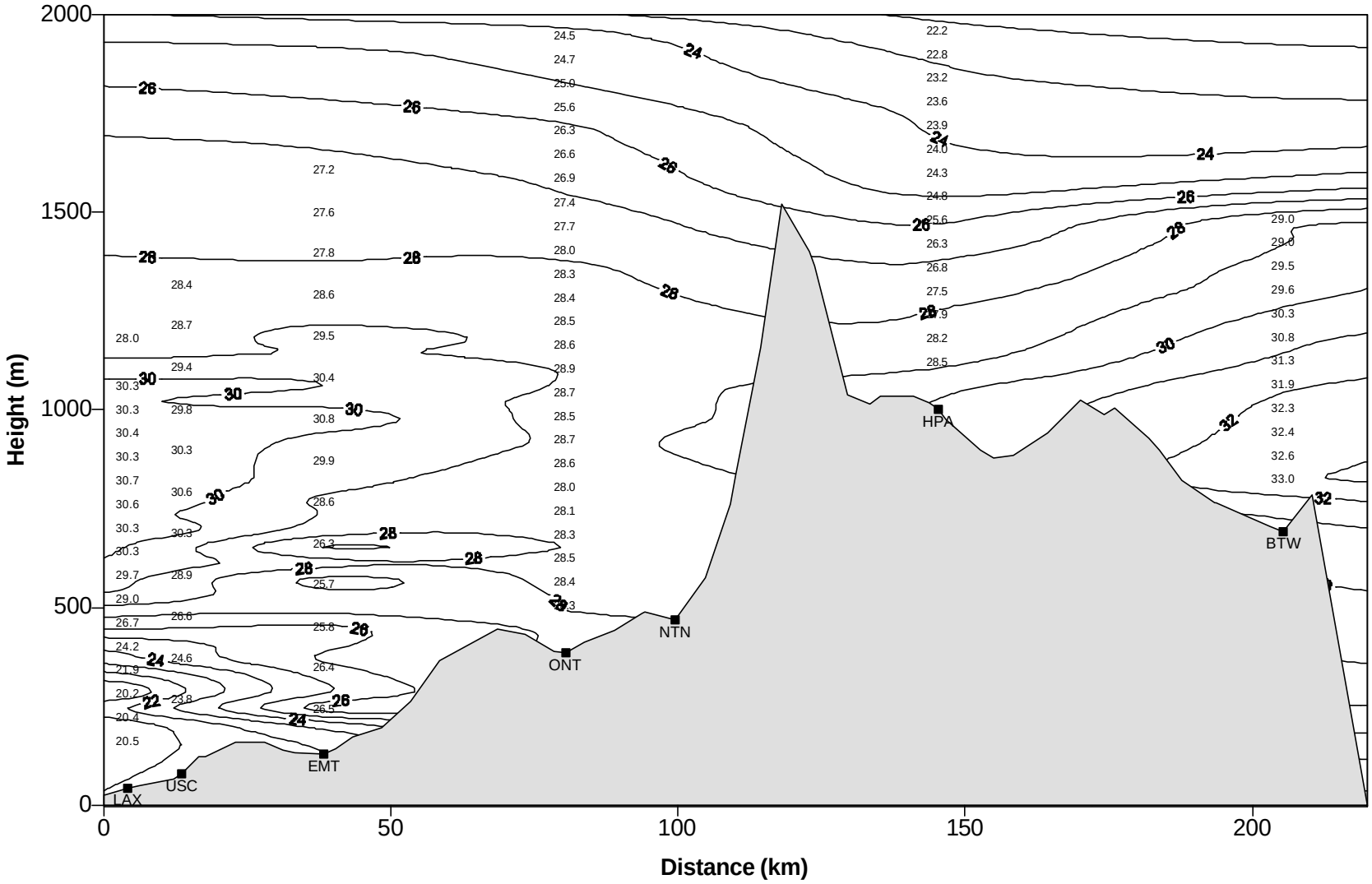


Figure 77b. Profiler temperature ($^0$C) cross-sections for 04/06UTC in perpendicular plane.

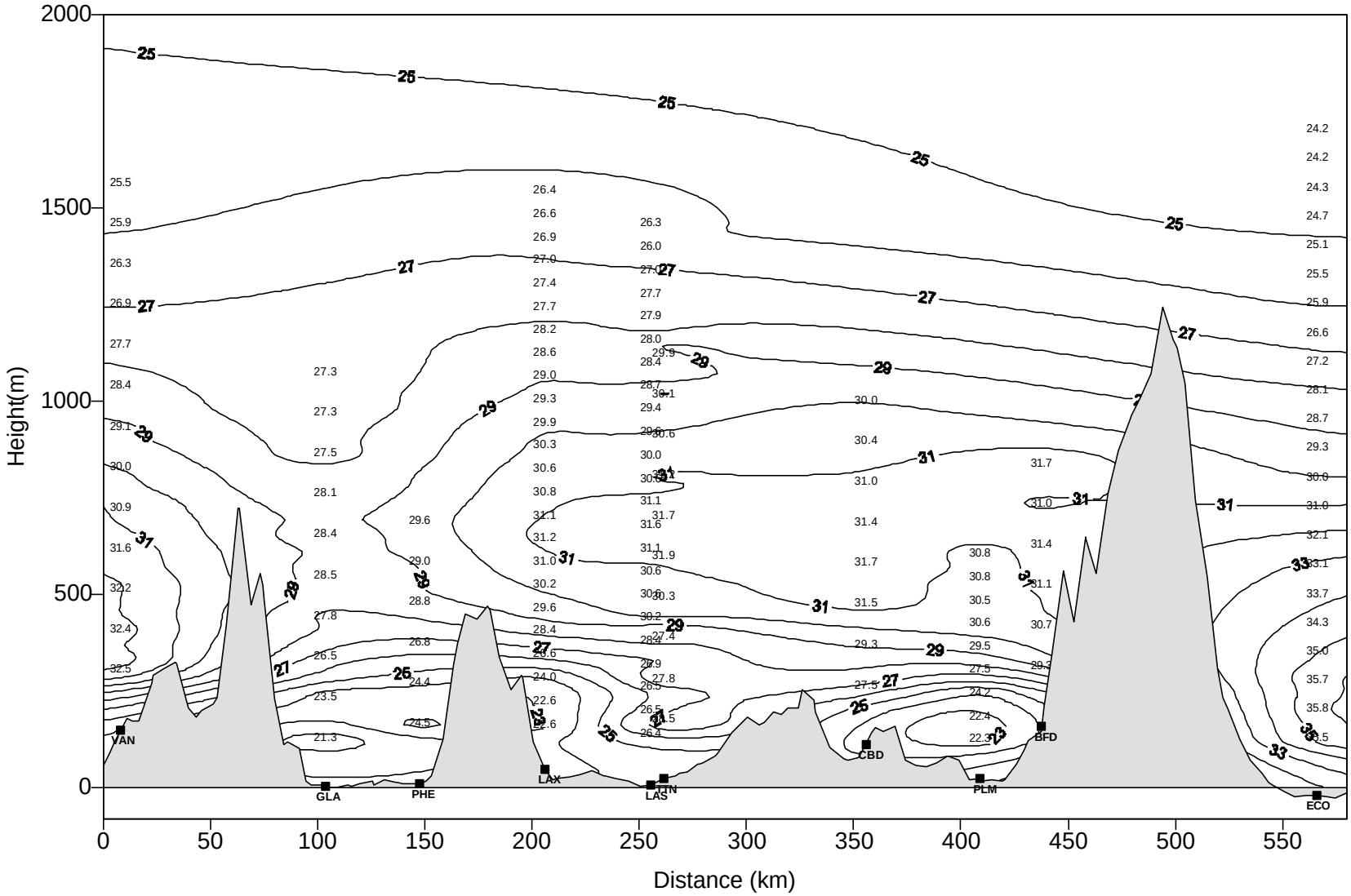


Figure 78a. Profiler temperature ($^0$C) cross-sections for 04/18UTC in coastal plane.

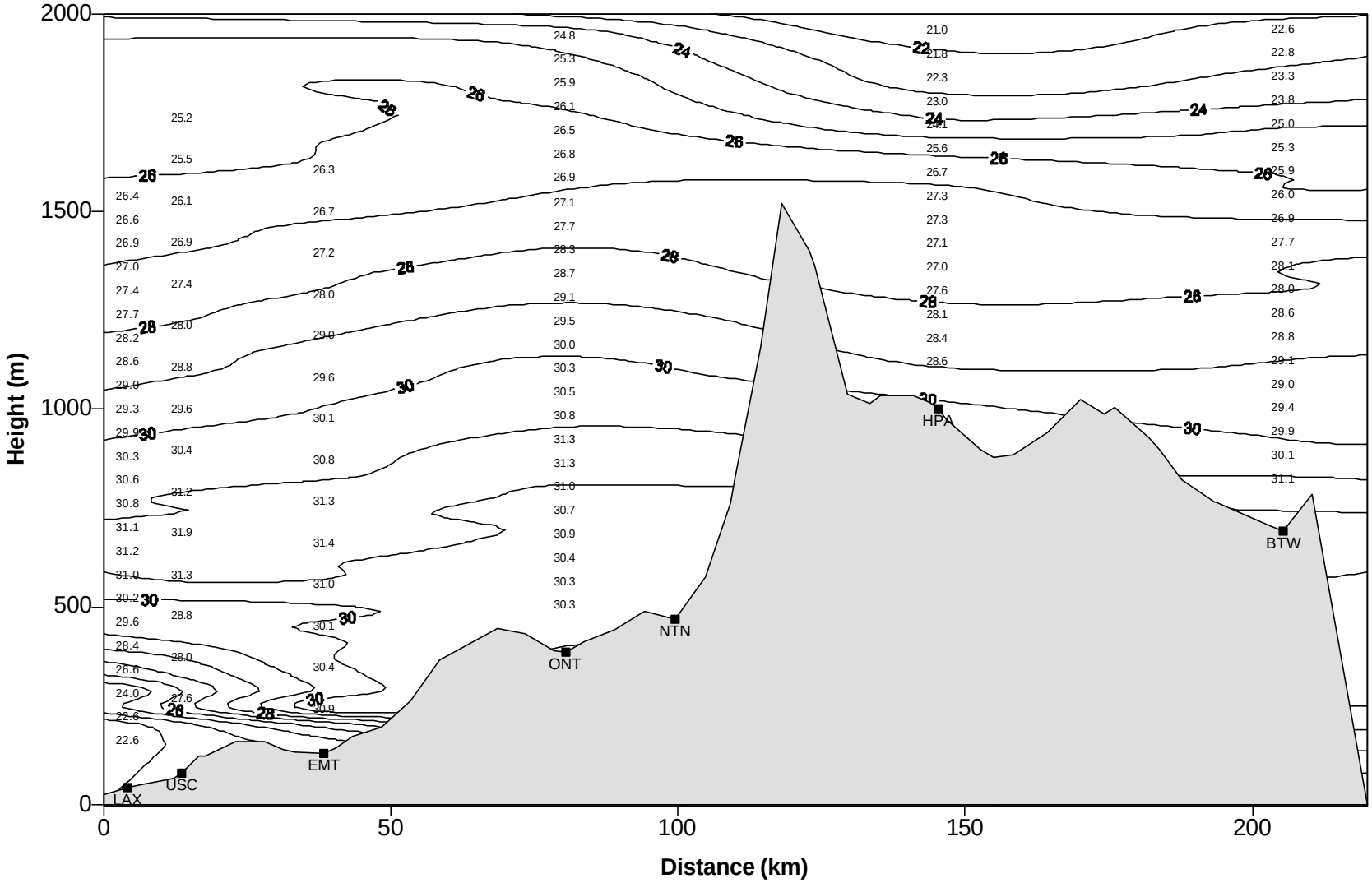


Figure 78b. Profiler temperature ($^0$C) cross-sections for 04/18UTC in perpendicular plane.

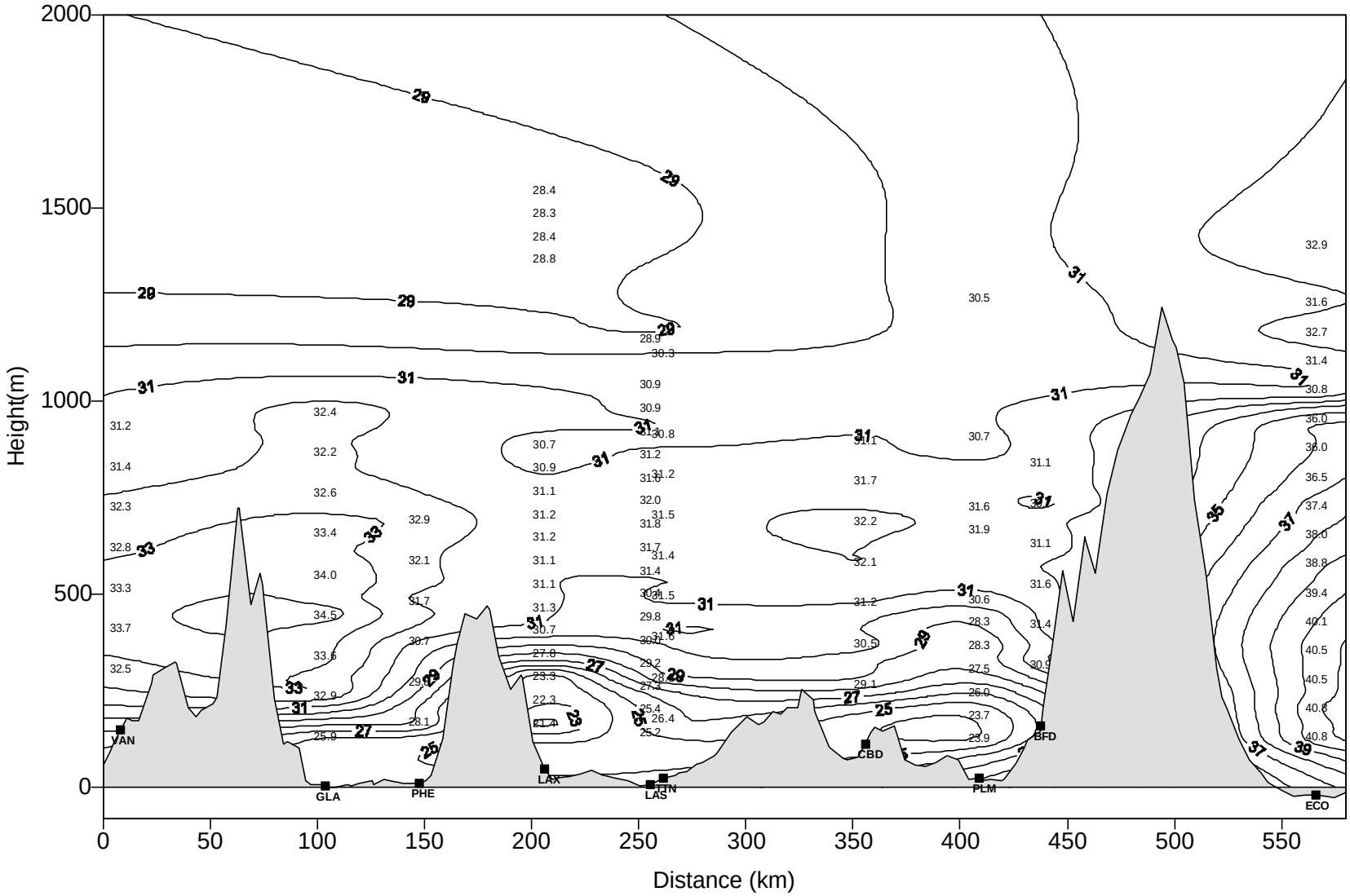


Figure 79a. Profiler temperature ($^0$C) cross-sections for 05/06UTC in coastal plane.

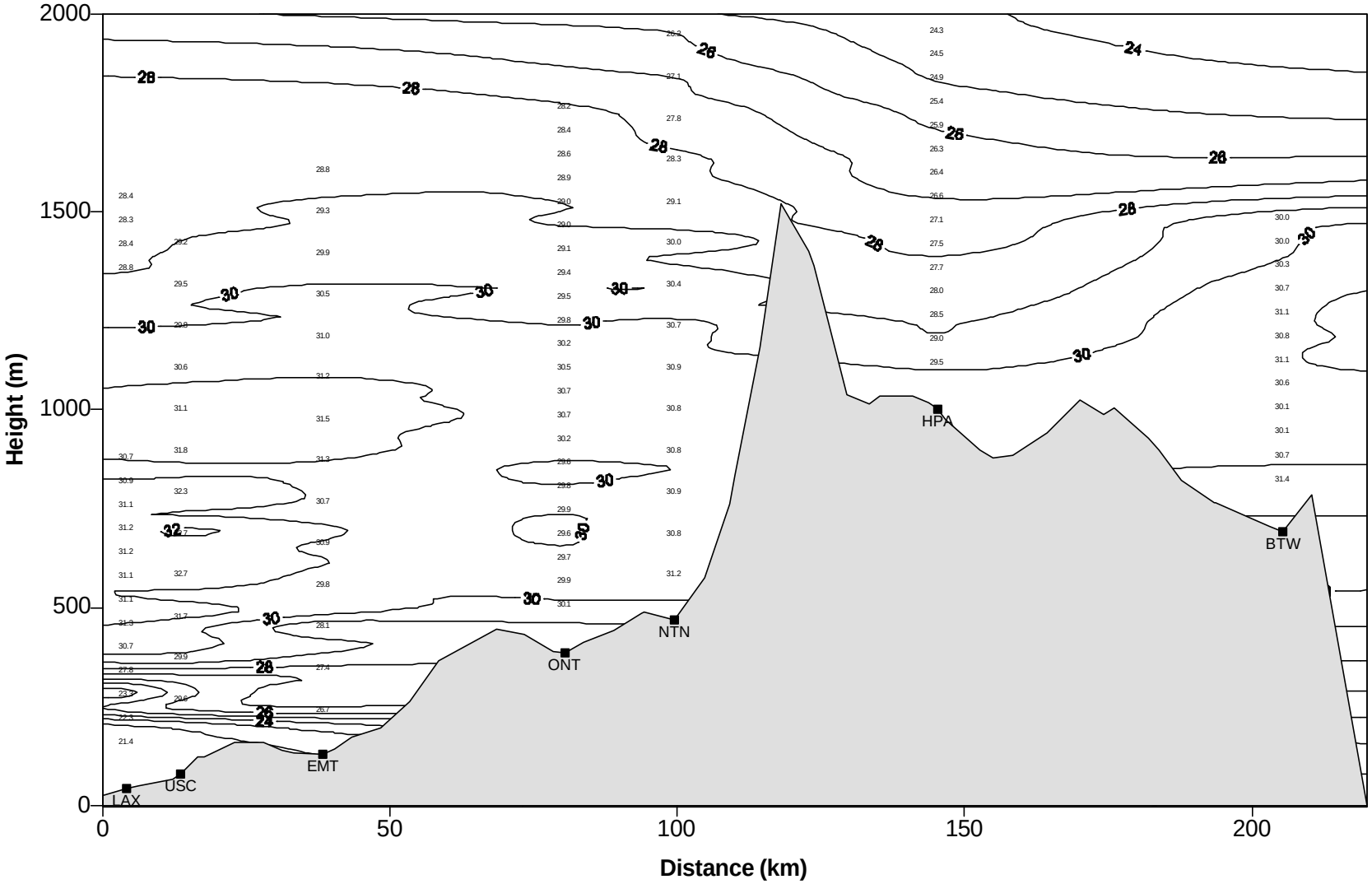


Figure 79b. Profiler temperature ($^0$C) cross-sections for 05/06UTC in perpendicular plane.

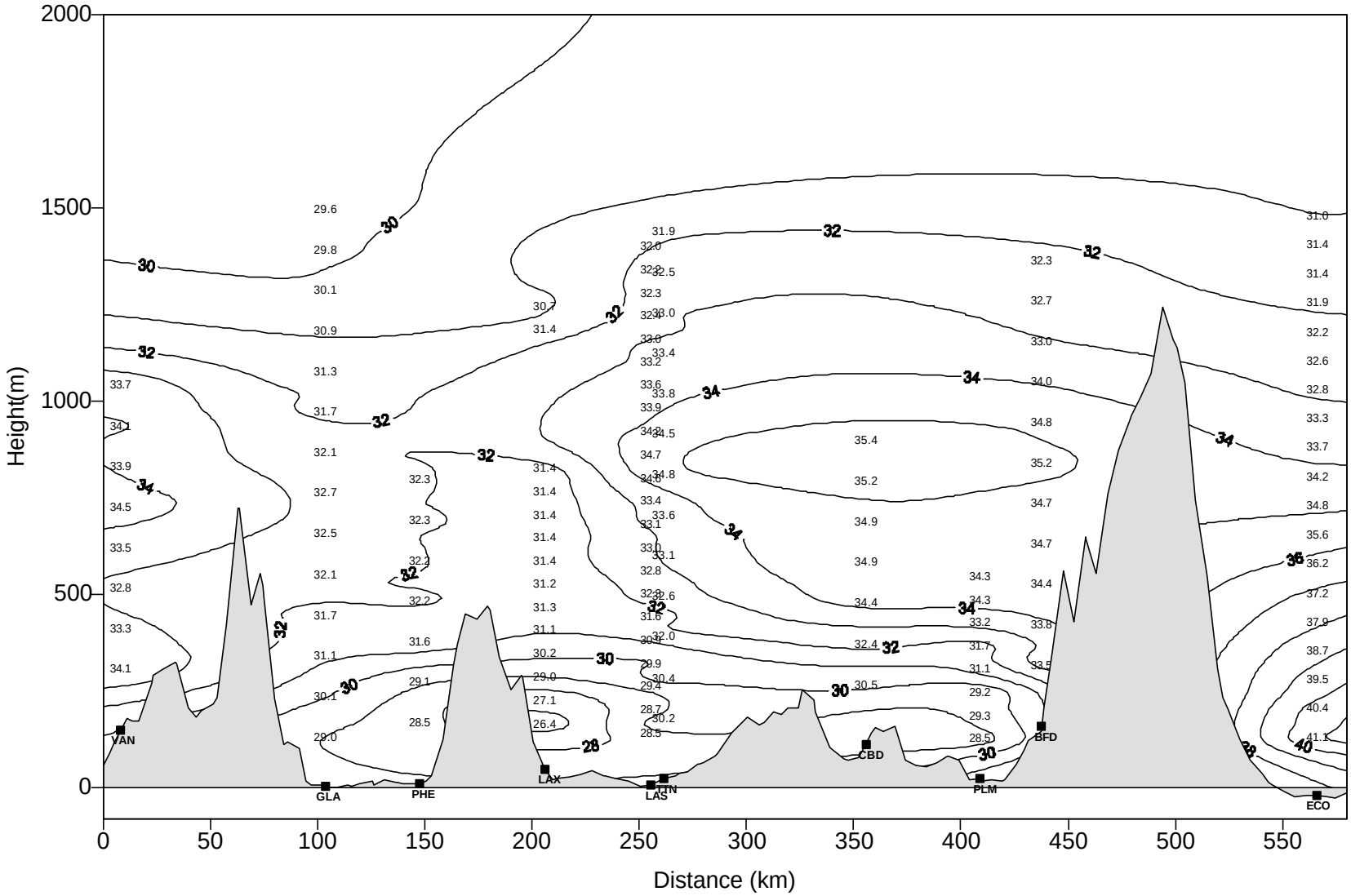


Figure 80a. Profiler temperature ($^0$C) cross-sections for 05/18UTC in coastal plane.

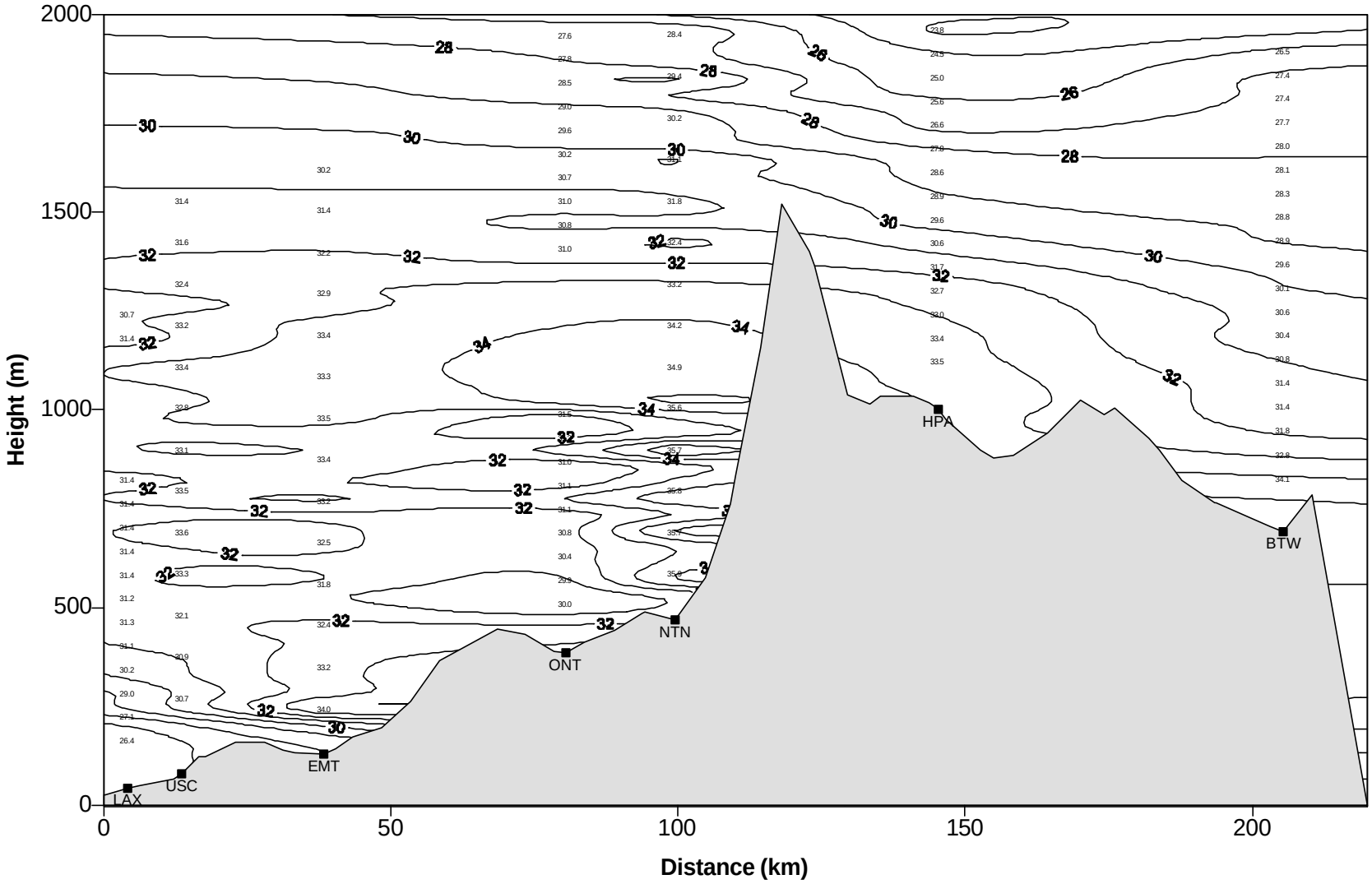


Figure 80b. Profiler temperature ($^0$C) cross-sections for 05/18UTC in perpendicular plane.

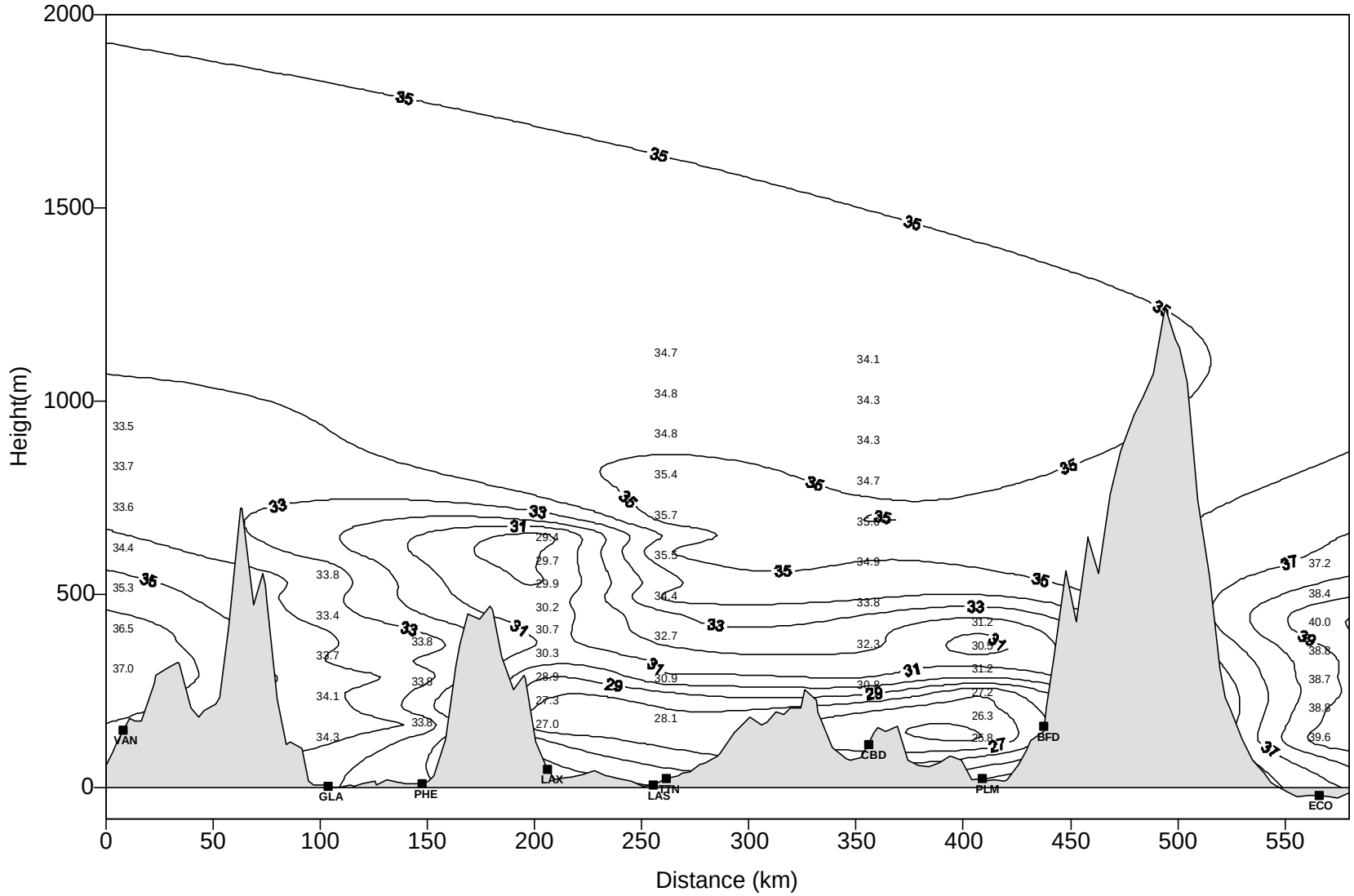


Figure 81a. Profiler temperature ($^0$C) cross-sections for 06/06UTC in coastal plane.

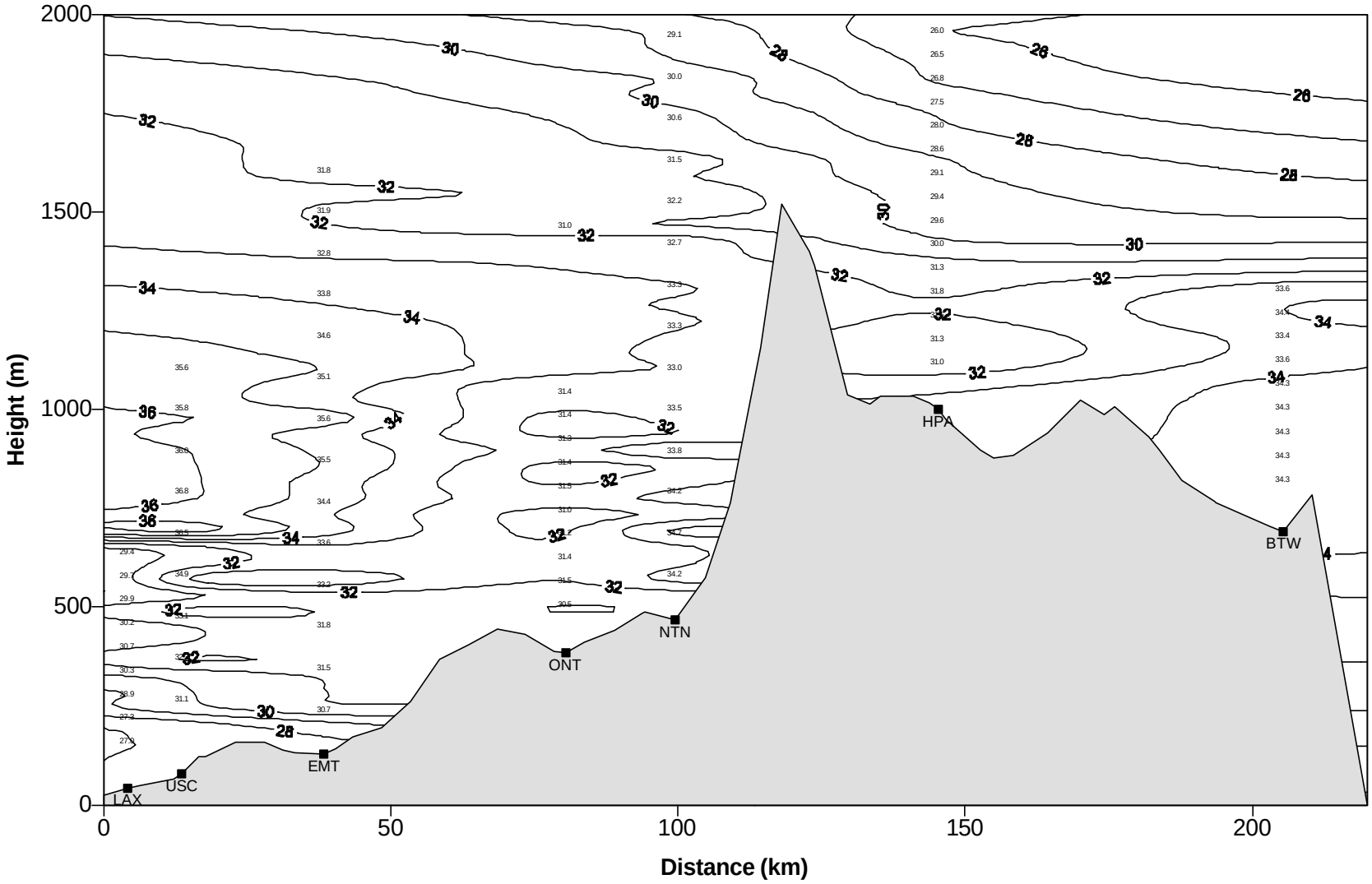


Figure 81b. Profiler temperature ($^0$C) cross-sections for 06/06UTC in perpendicular plane.

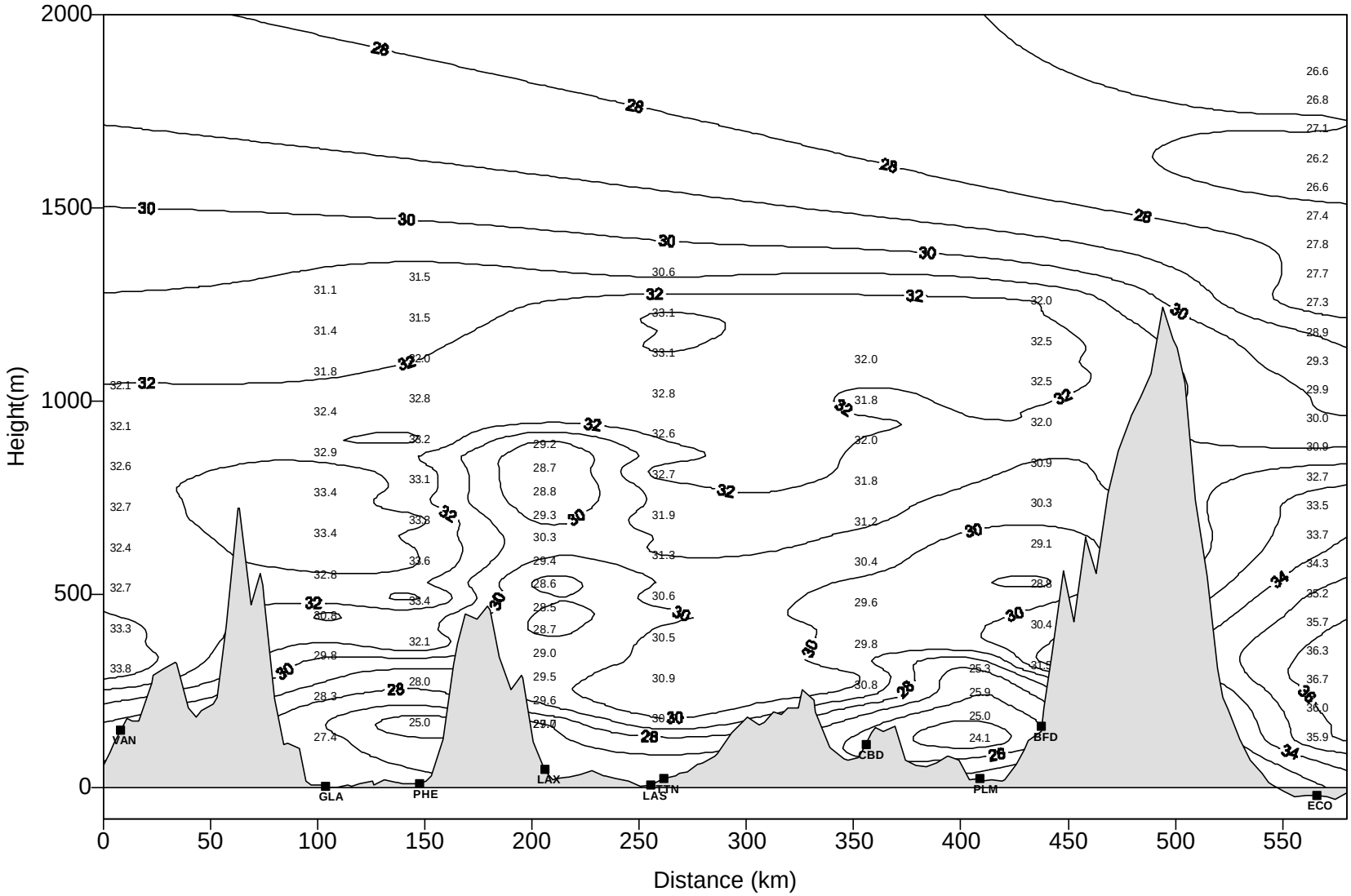


Figure 82a. Profiler temperature ($^0$C) cross-sections for 06/18UTC in coastal plane.

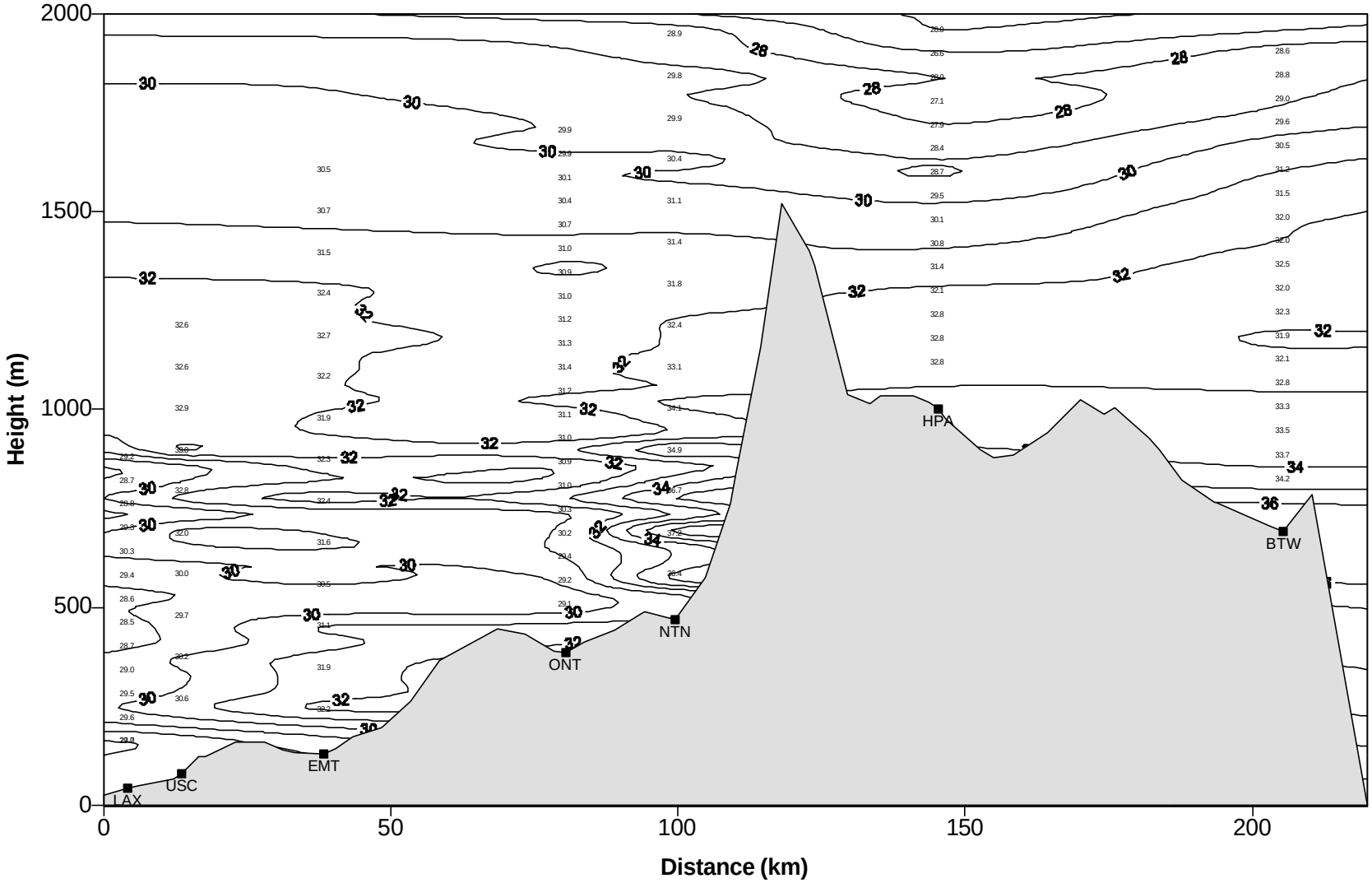


Figure 82b. Profiler temperature ($^0$C) cross-sections for 06/18UTC in perpendicular plane.

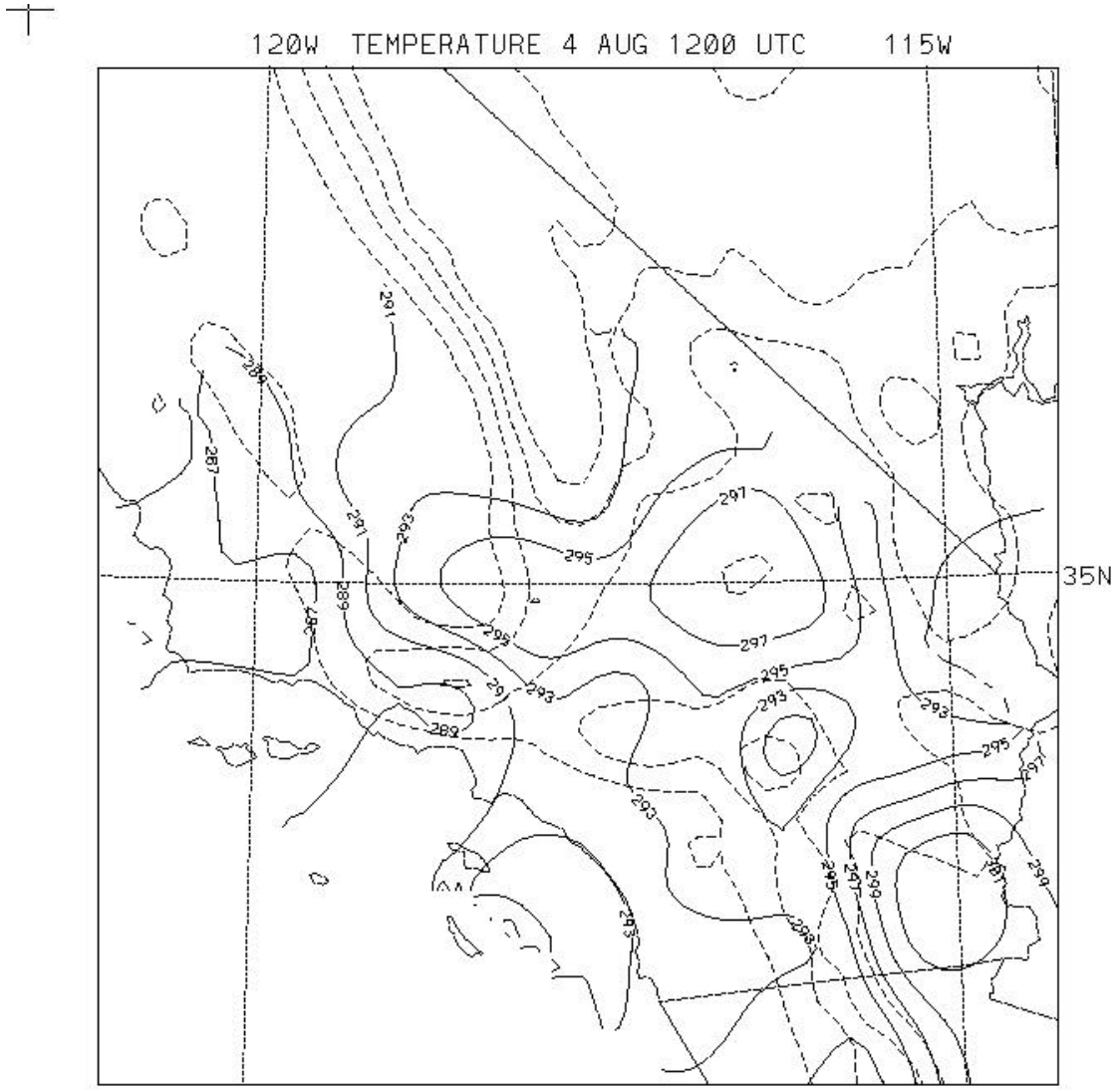


Figure 83a. Surface interpolated temperatures ($^0$C) on 04/12 UTC.

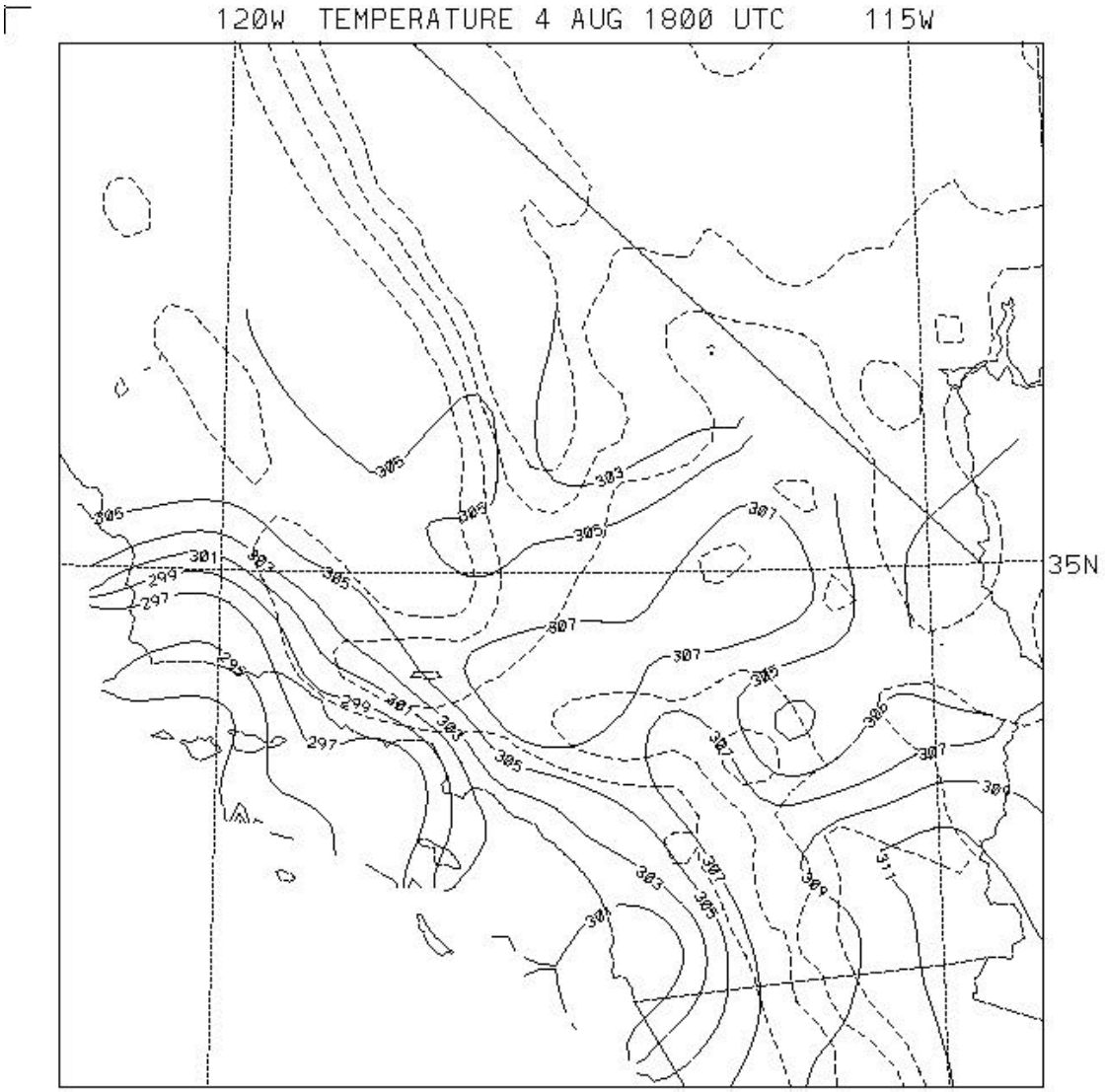


Figure 83b. Surface interpolated temperatures ($^0$C) on 04/18 UTC.

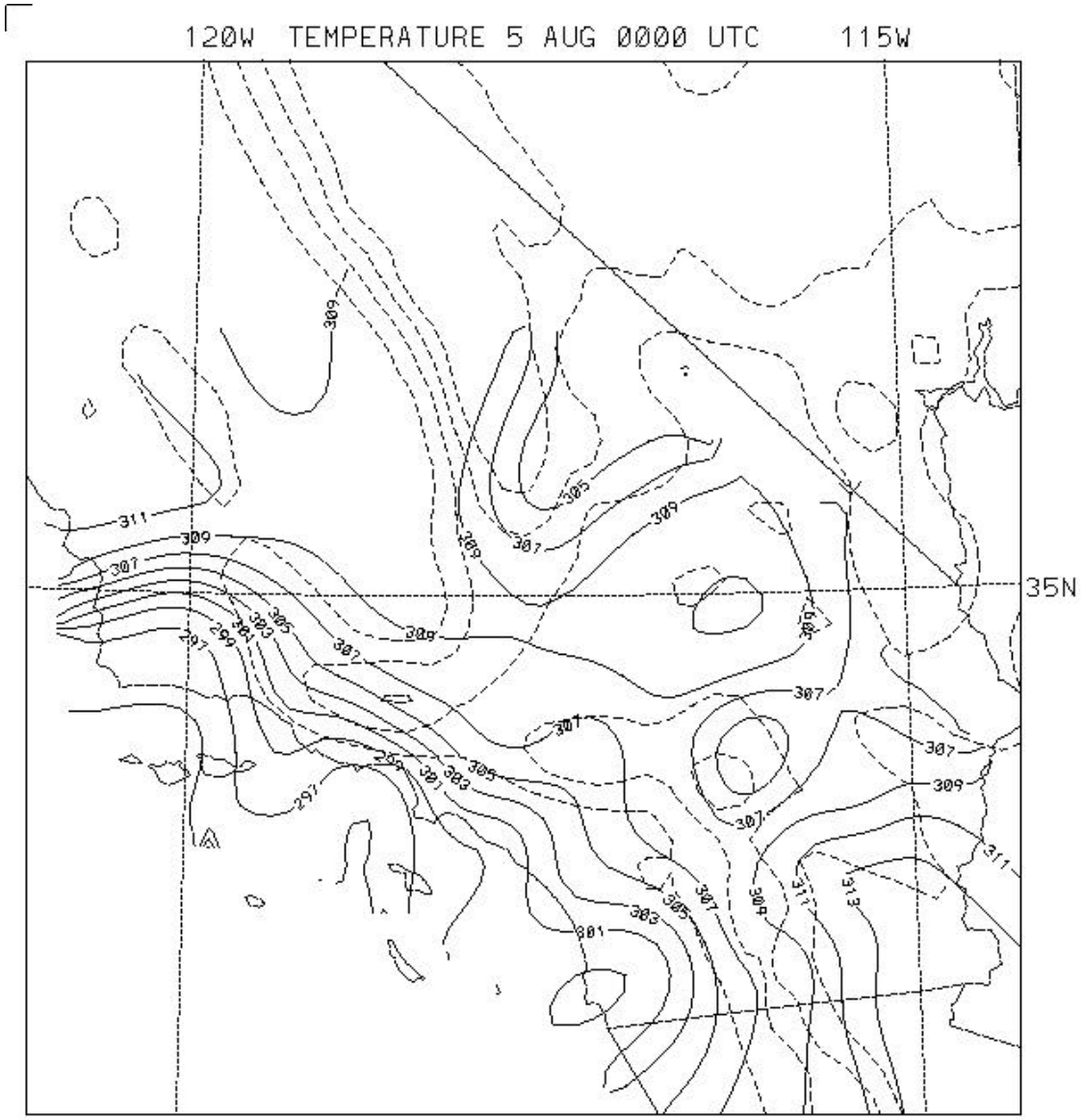


Figure 83c. Surface interpolated temperatures ($^0$C) on 05/00 UTC.

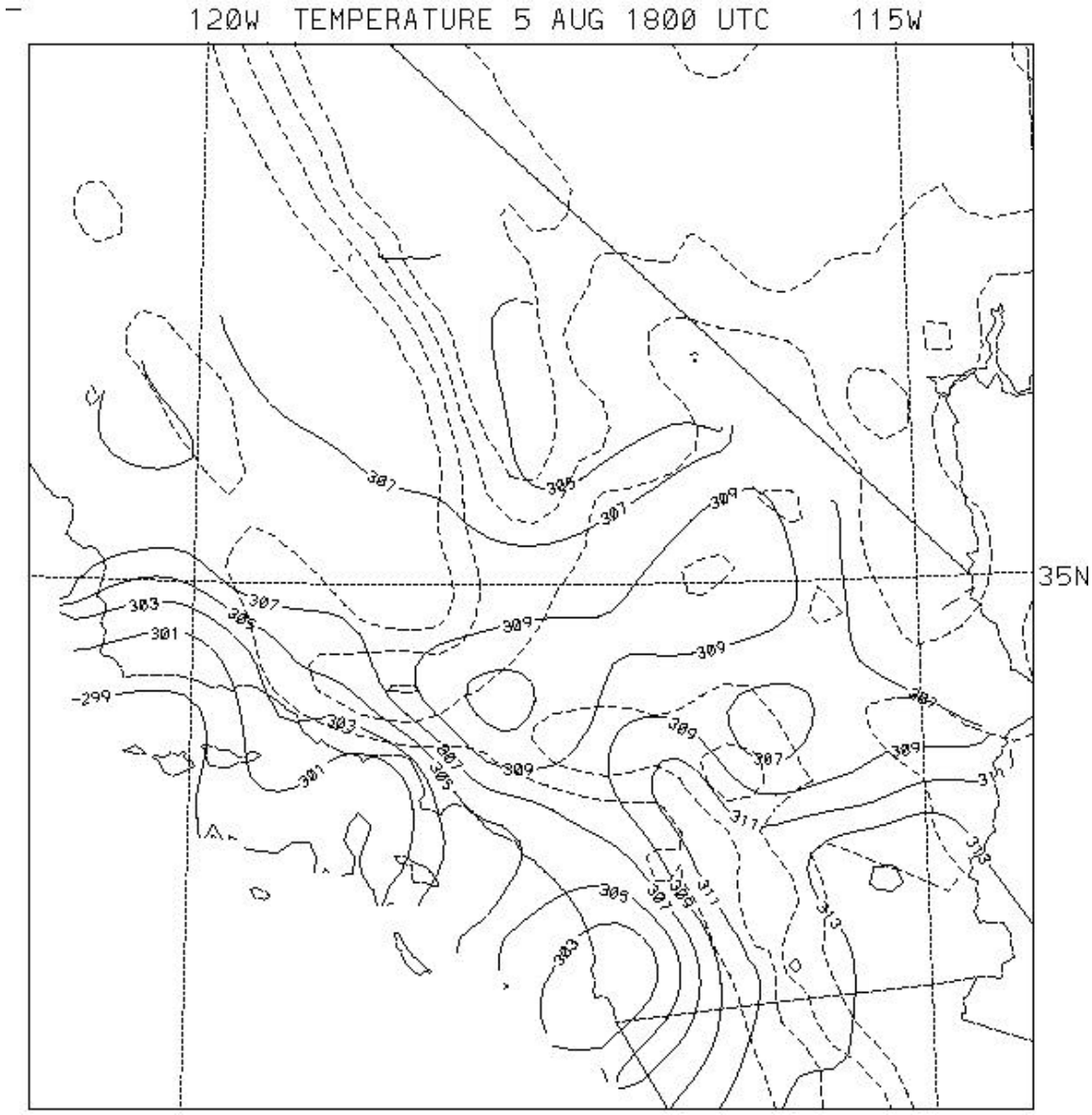


Figure 83d. Surface interpolated temperatures ($^0$C) on 05/18 UTC.

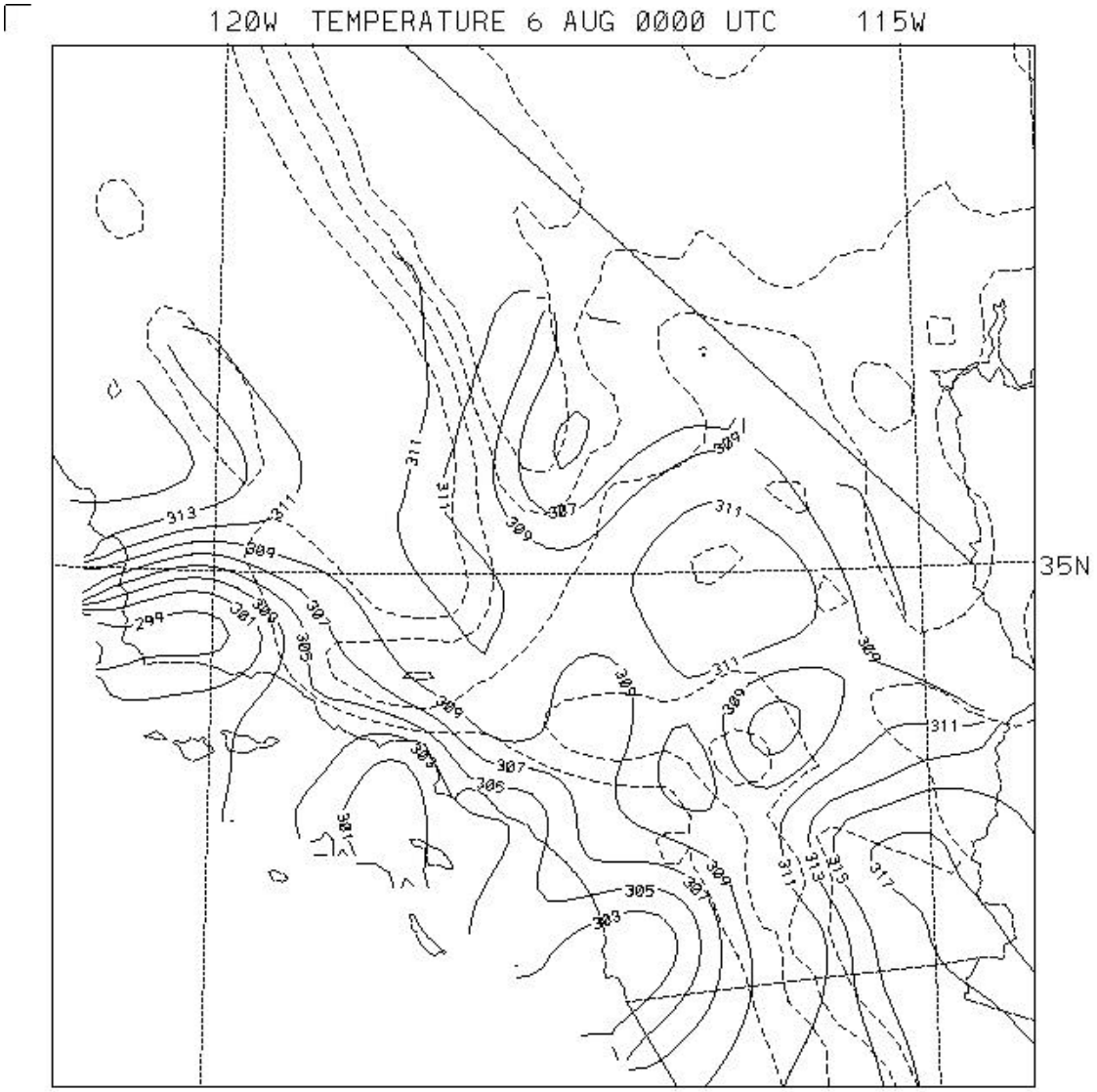


Figure 83e. Surface interpolated temperatures ($^0$C) on 06/00 UTC.

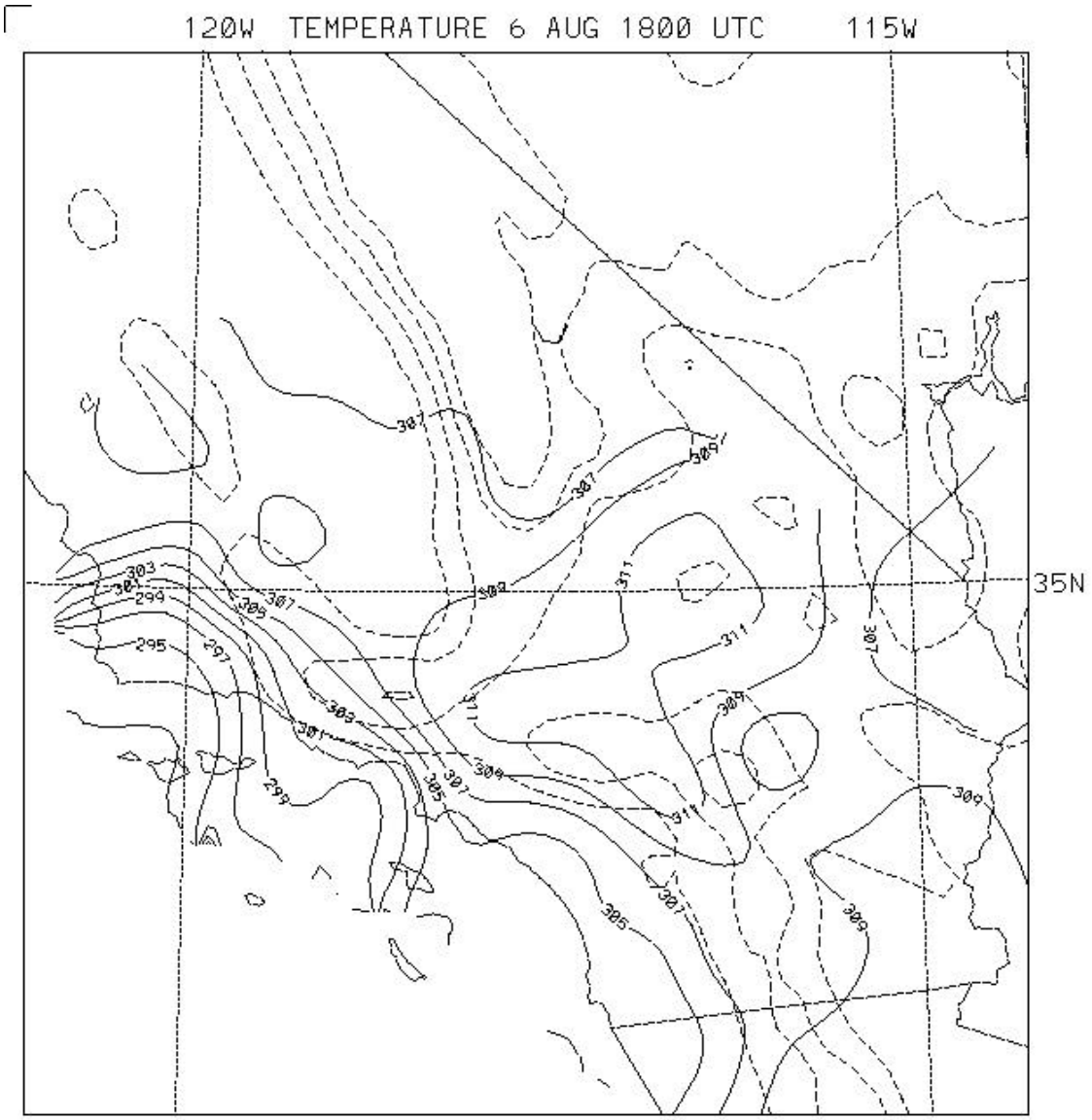


Figure 83f. Surface interpolated temperatures ($^0$C) on 06/18 UTC.

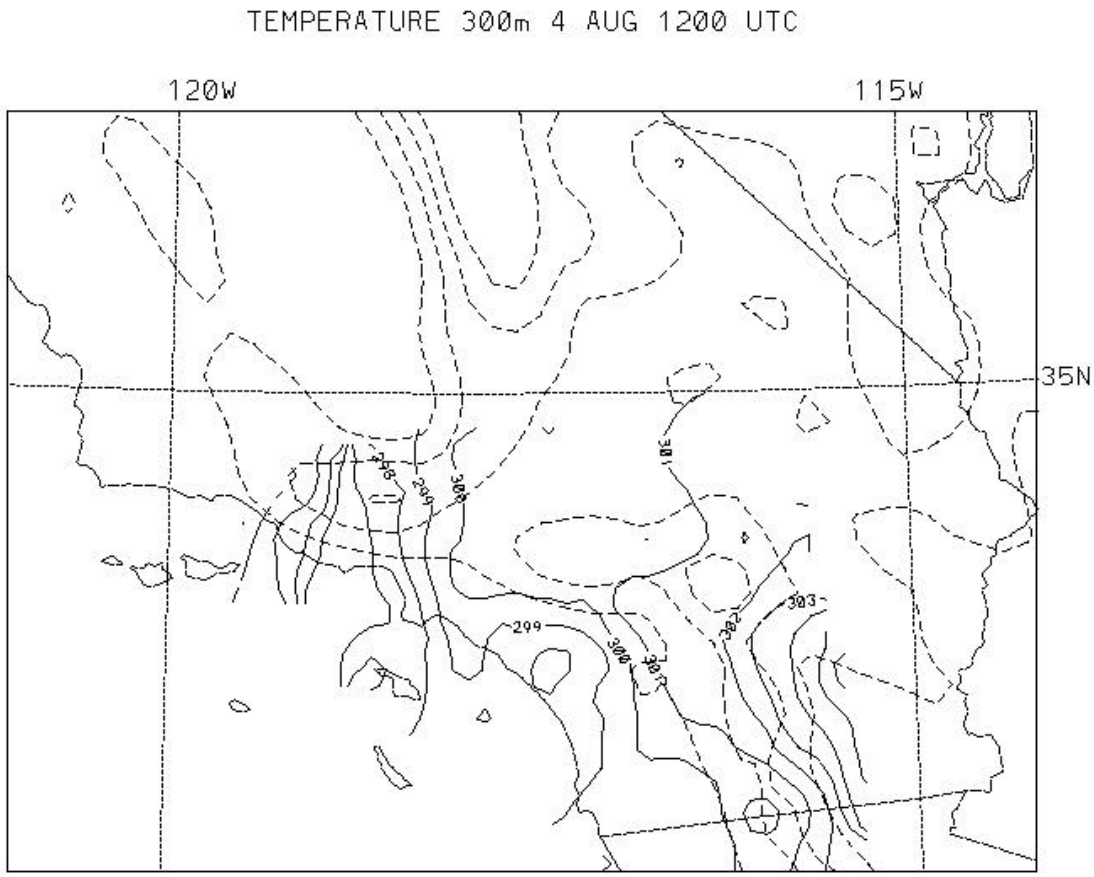


Figure 84a. Interpolated RASS temperatures (K) at 300m AGL on 04/12 UTC.

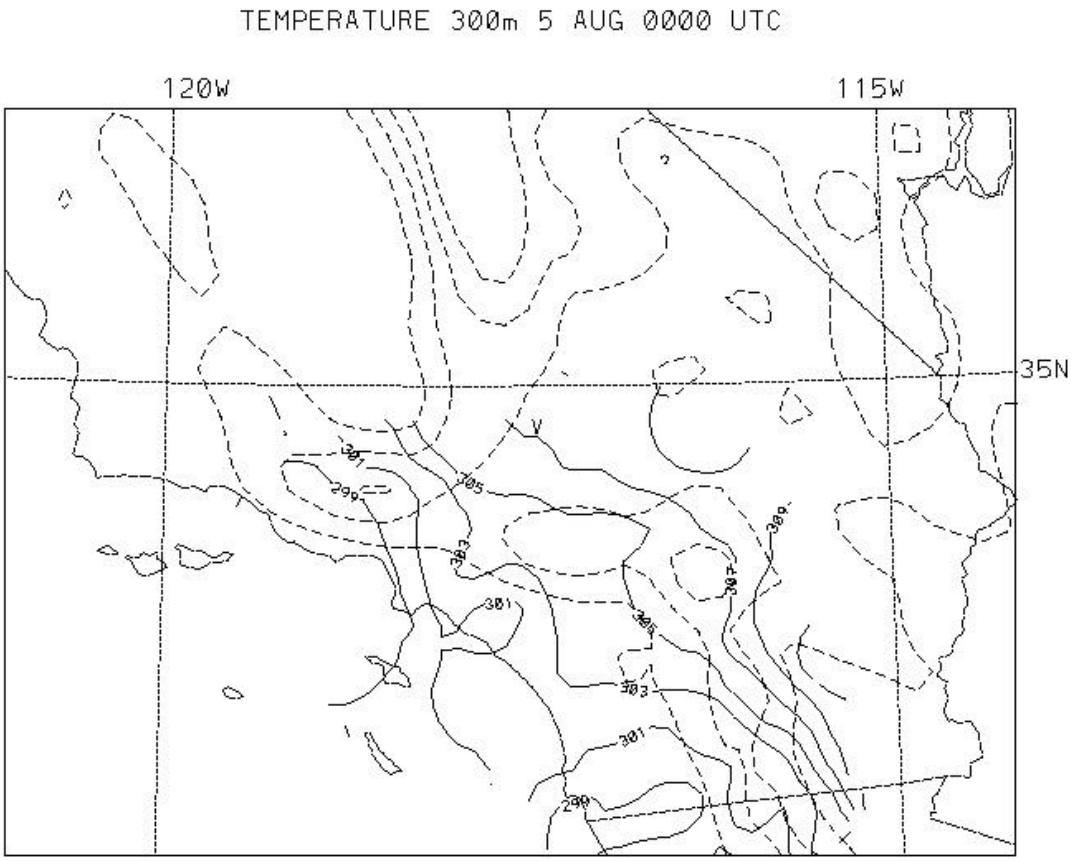


Figure 84b. Interpolated RASS temperatures (K) at 300m AGL on 05/00 UTC.

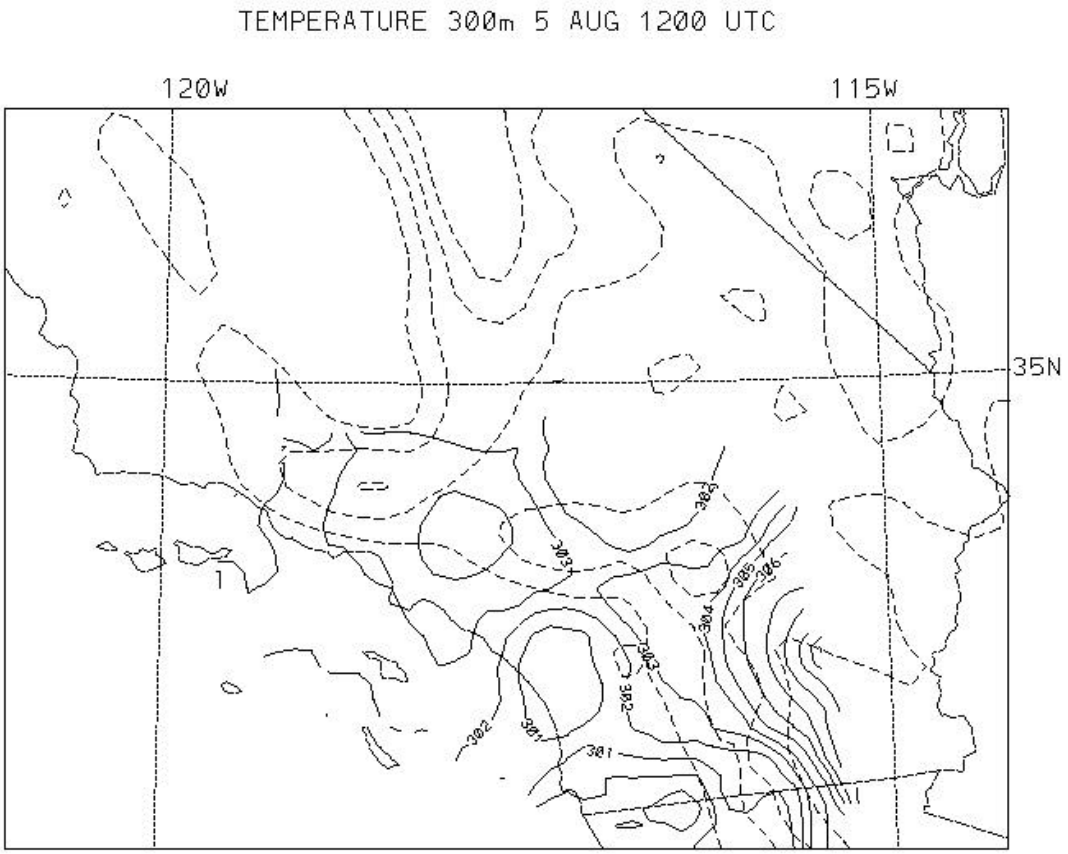


Figure 84c. Interpolated RASS temperatures (K) at 300m AGL on 05/12 UTC.

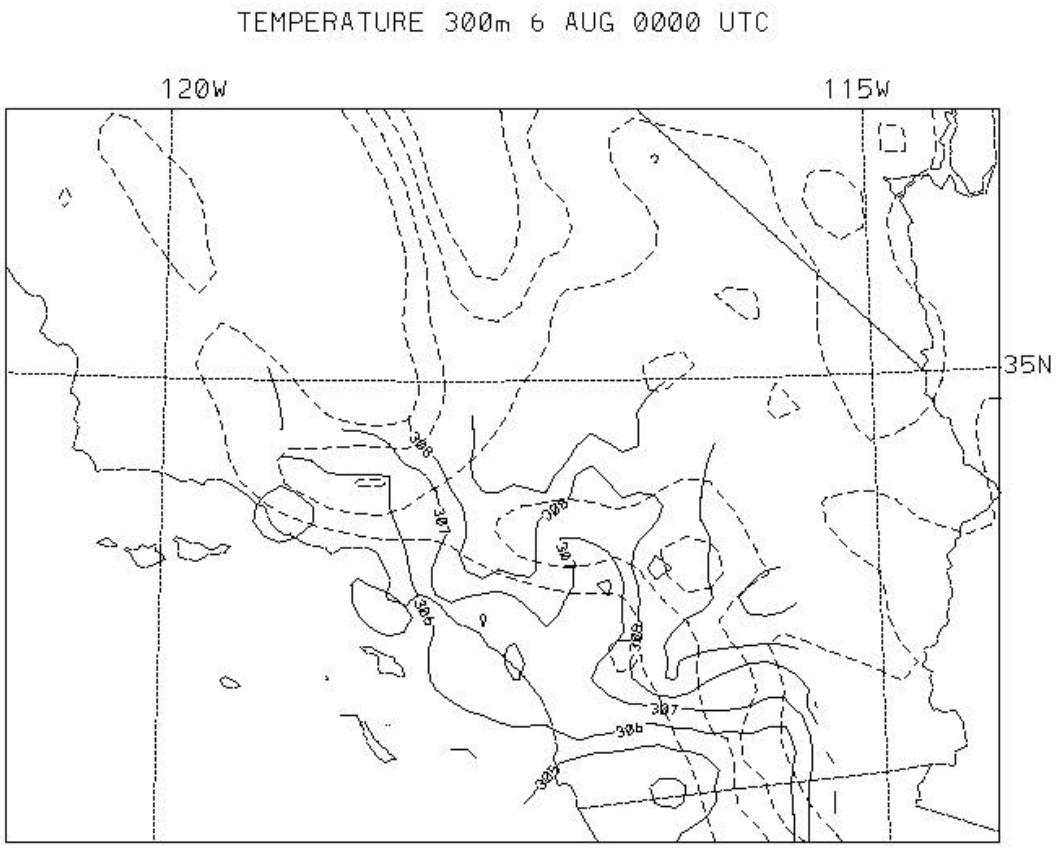


Figure 84d. Interpolated RASS temperatures (K) at 300m AGL on 06/00 UTC.

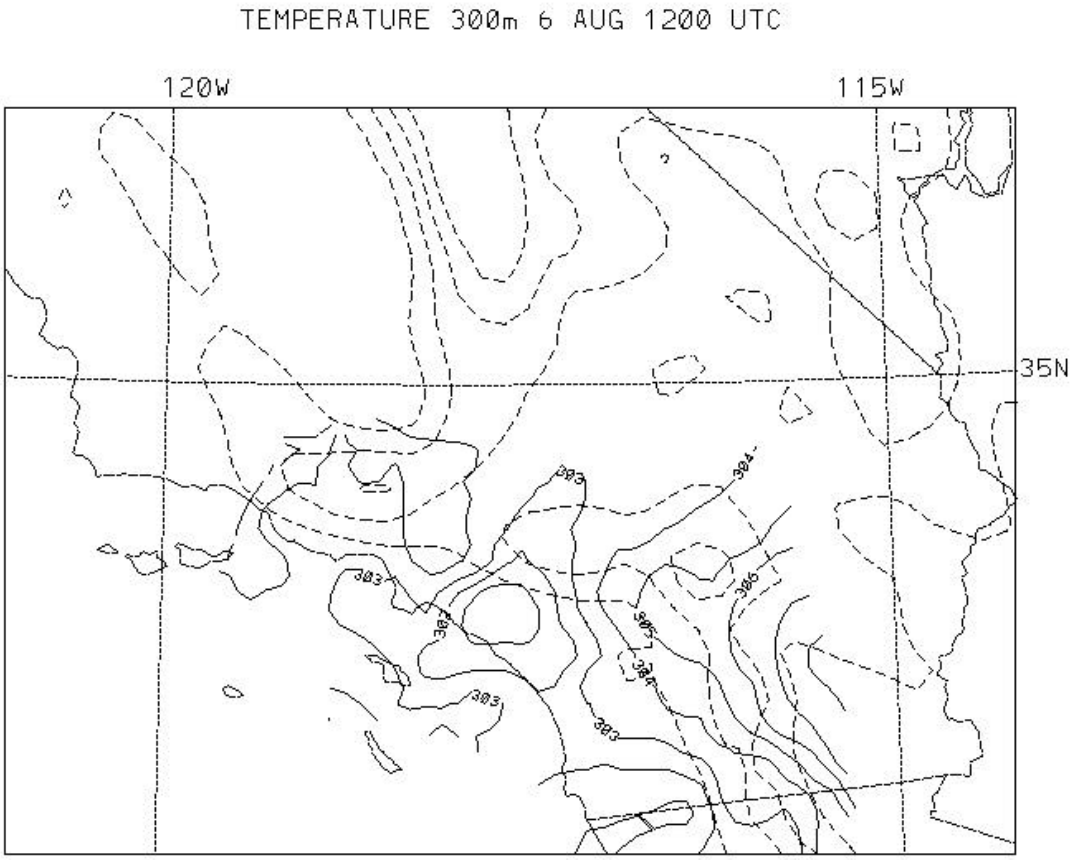


Figure 84e. Interpolated RASS temperatures (K) at 300m AGL on 06/12 UTC.

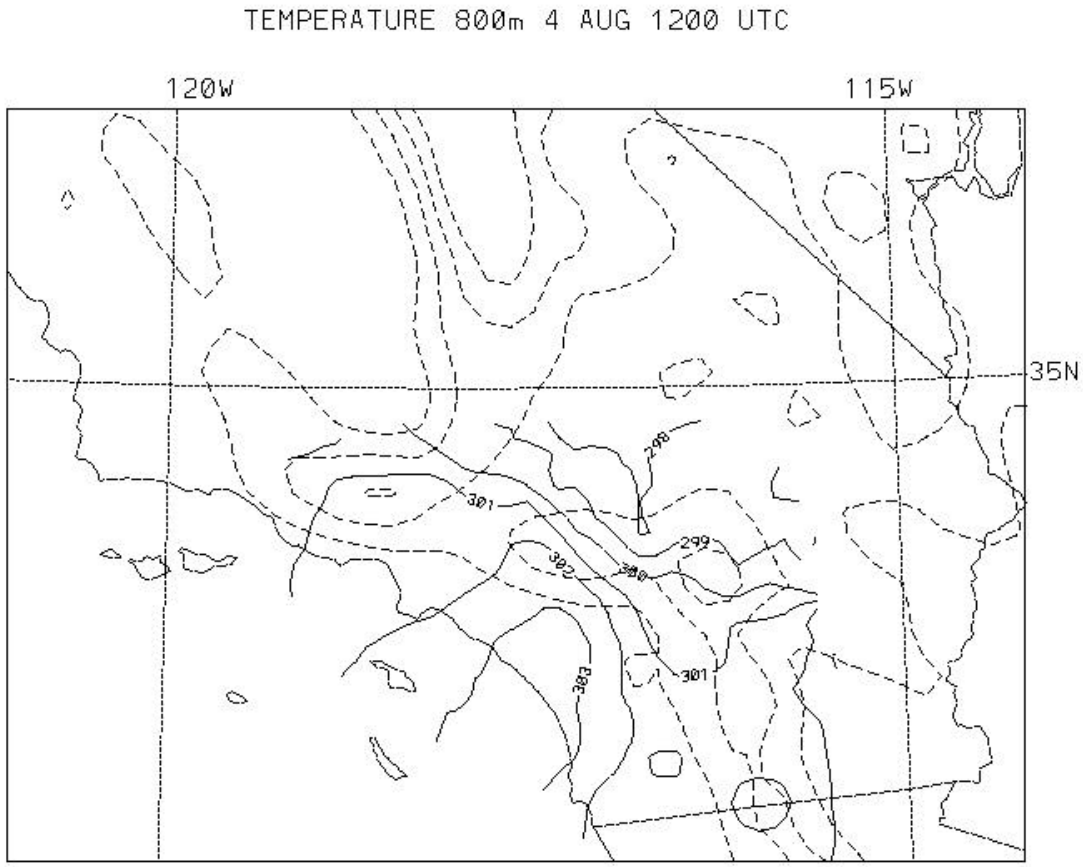


Figure 85a. Interpolated RASS temperatures (K) at 800 m AGL on 04/12 UTC.

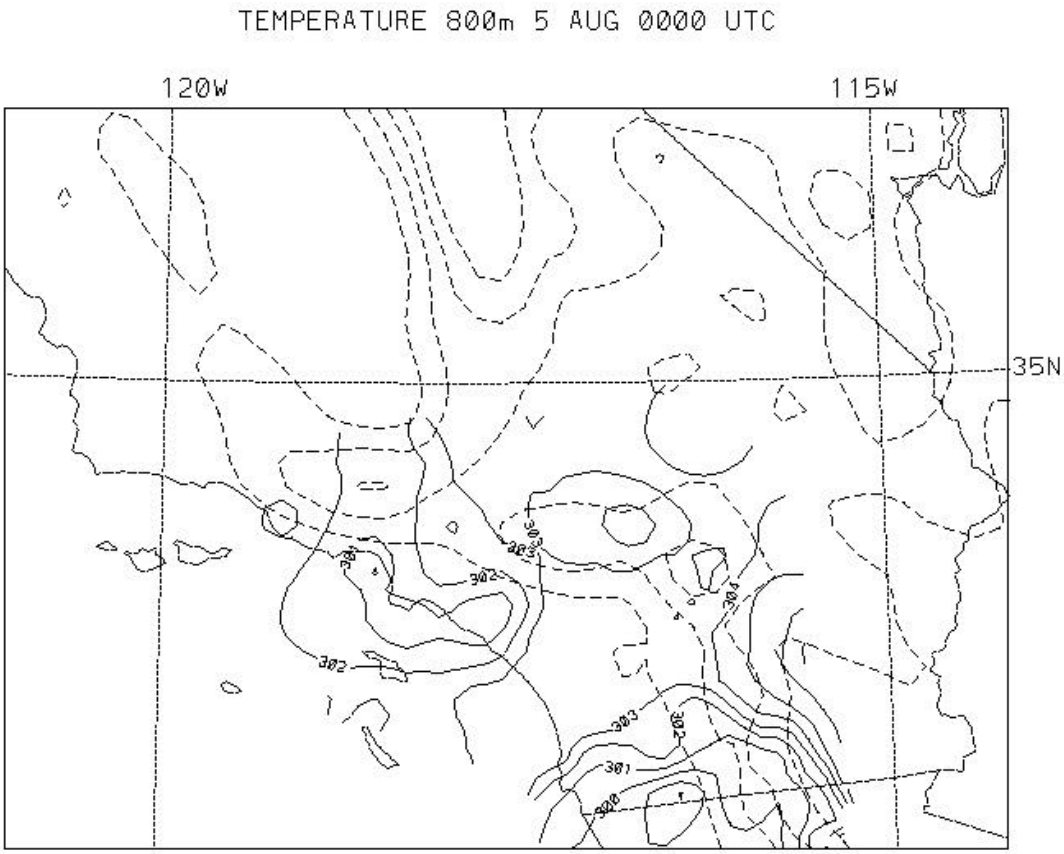


Figure 85b. Interpolated RASS temperatures (K) at 800 m AGL on 05/00 UTC.

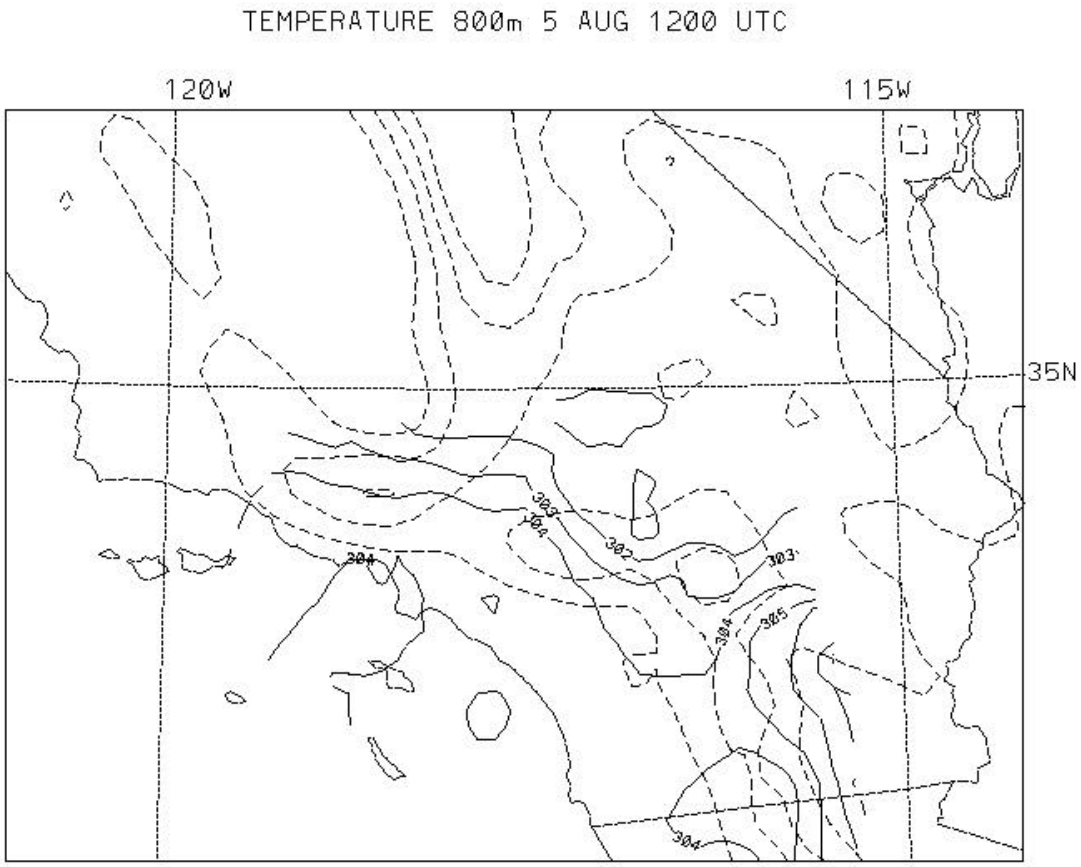


Figure 85c. Interpolated RASS temperatures (K) at 800 m AGL on 05/12 UTC.

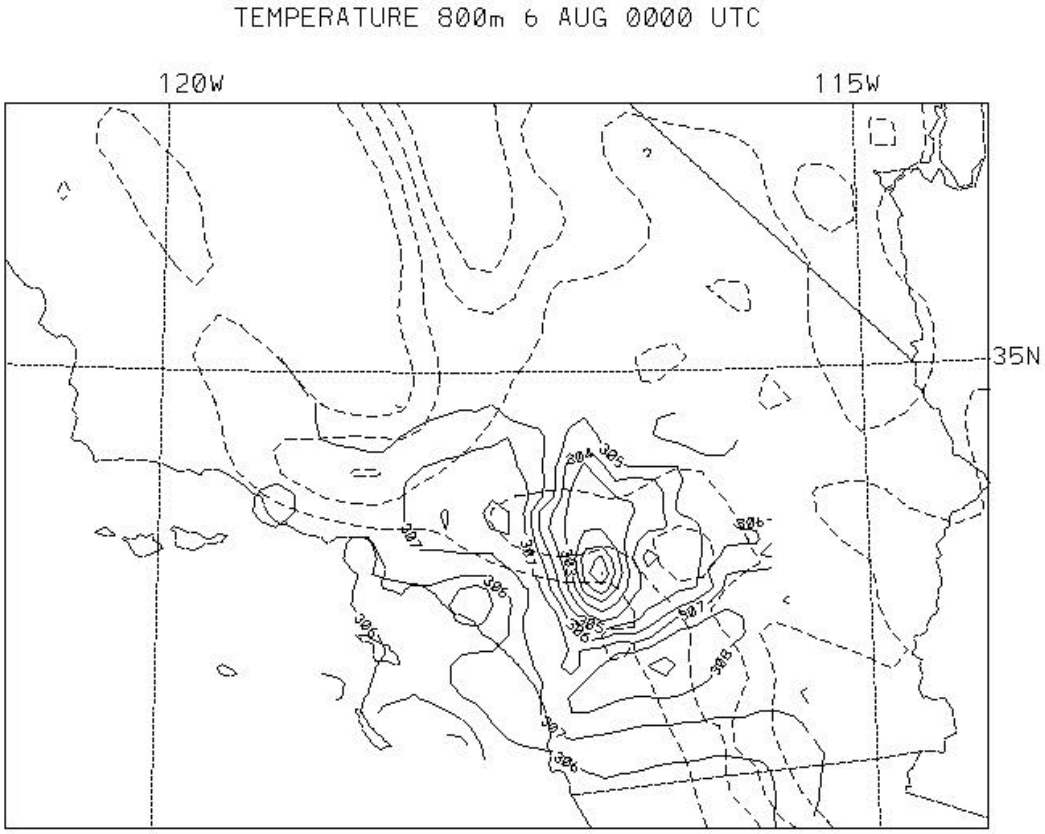


Figure 85d. Interpolated RASS temperatures (K) at 800 m AGL on 06/00 UTC.

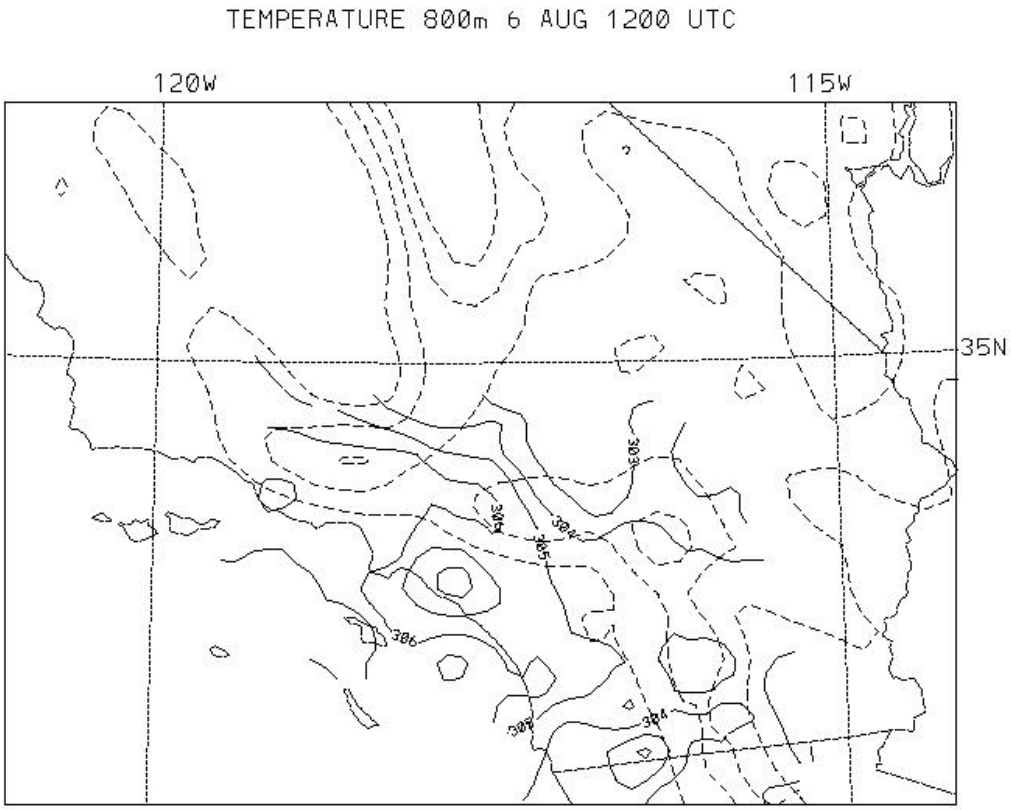


Figure 85e. Interpolated RASS temperatures (K) at 800 m AGL on 06/12 UTC.

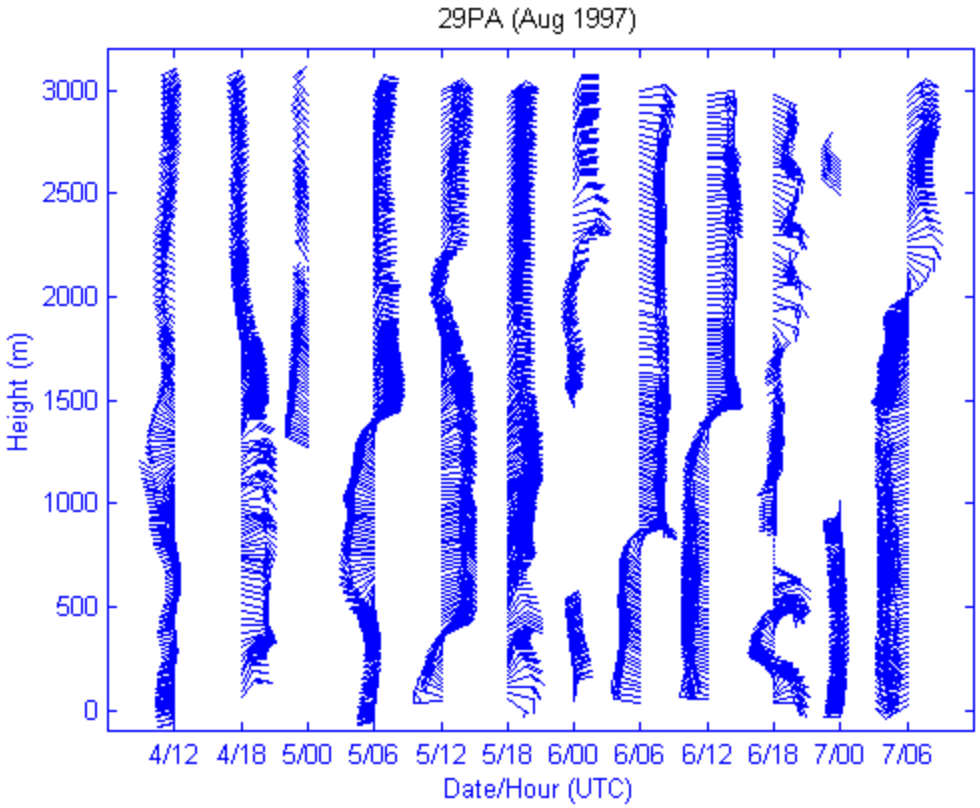


Figure 86a. Winds (full barb is 1 m $s^{-1}$) for SNIC rawinsonde sites from 04/12 or 04/20UTC to 07/06 or 07/20UTC.

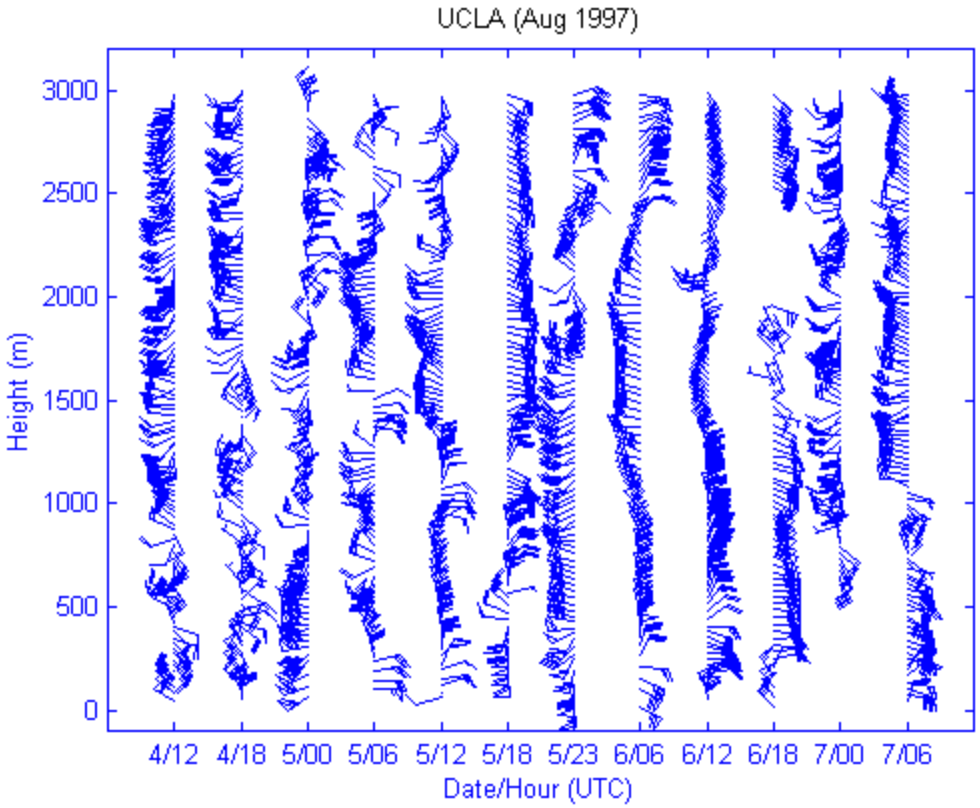


Figure 86b. Winds (full barb is 1 m $s^{-1}$) for UCLA, and rawinsonde sites from 04/12 or 04/20UTC to 07/06 or 07/20UTC.

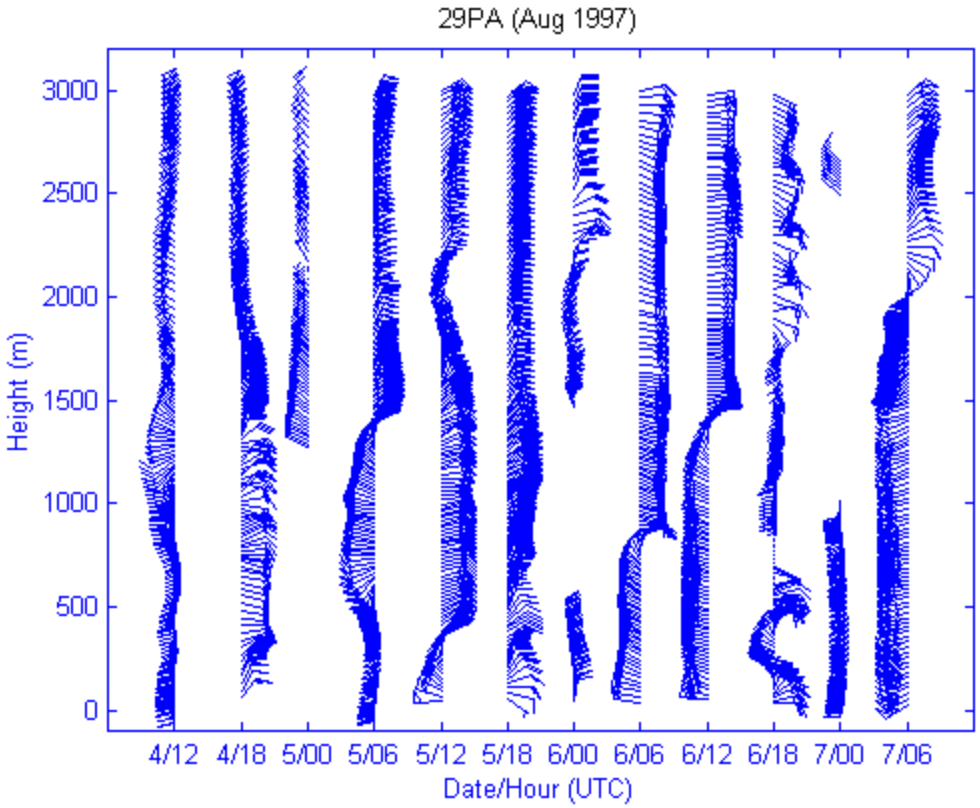


Figure 86c. Winds (full barb is 1 m $s^{-1}$) for 29PA rawinsonde sites from 04/12 or 04/20UTC to 07/06 or 07/20UTC.

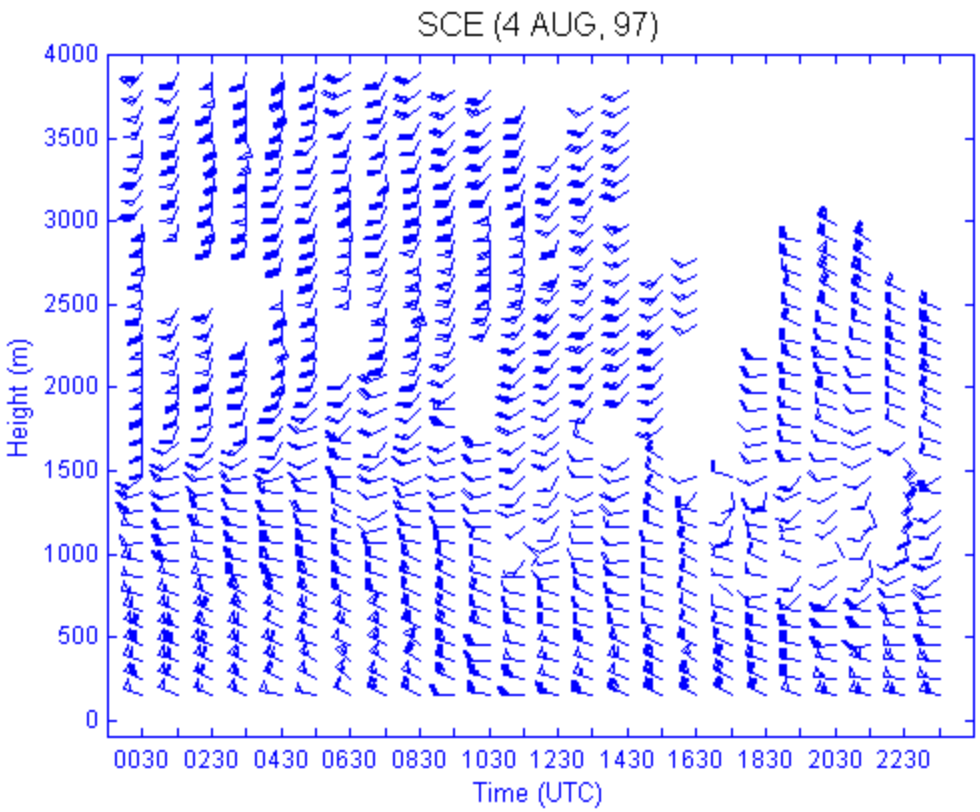


Figure 87a. SCE profiler winds (flag is 5 m $s^{-1}$) on 4 August.

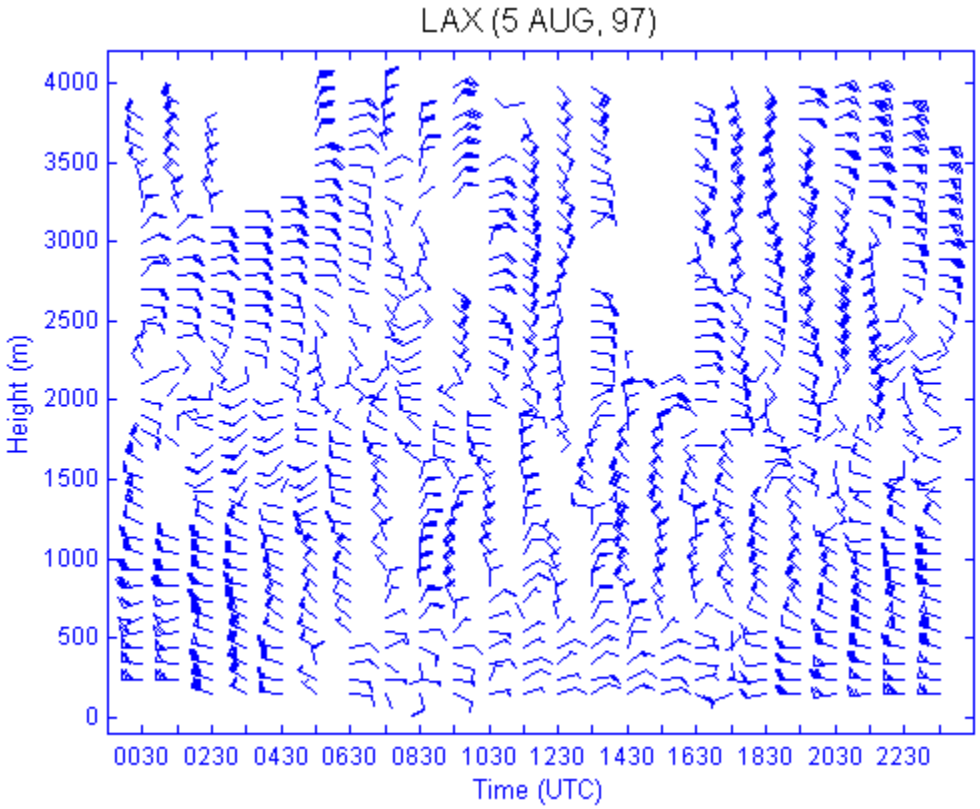


Figure 87b. SCE profiler winds (flag is 5 m $s^{-1}$) on: 5 August.

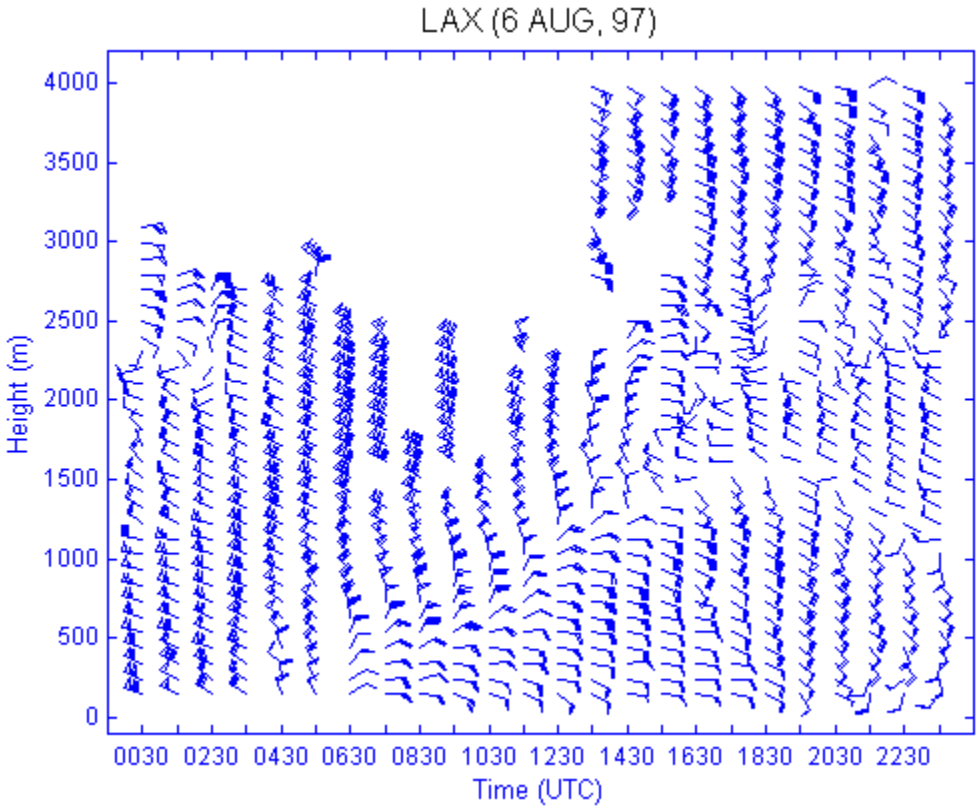


Figure 87c. SCE profiler winds (flag is 5 m $s^{-1}$) on 6 August.

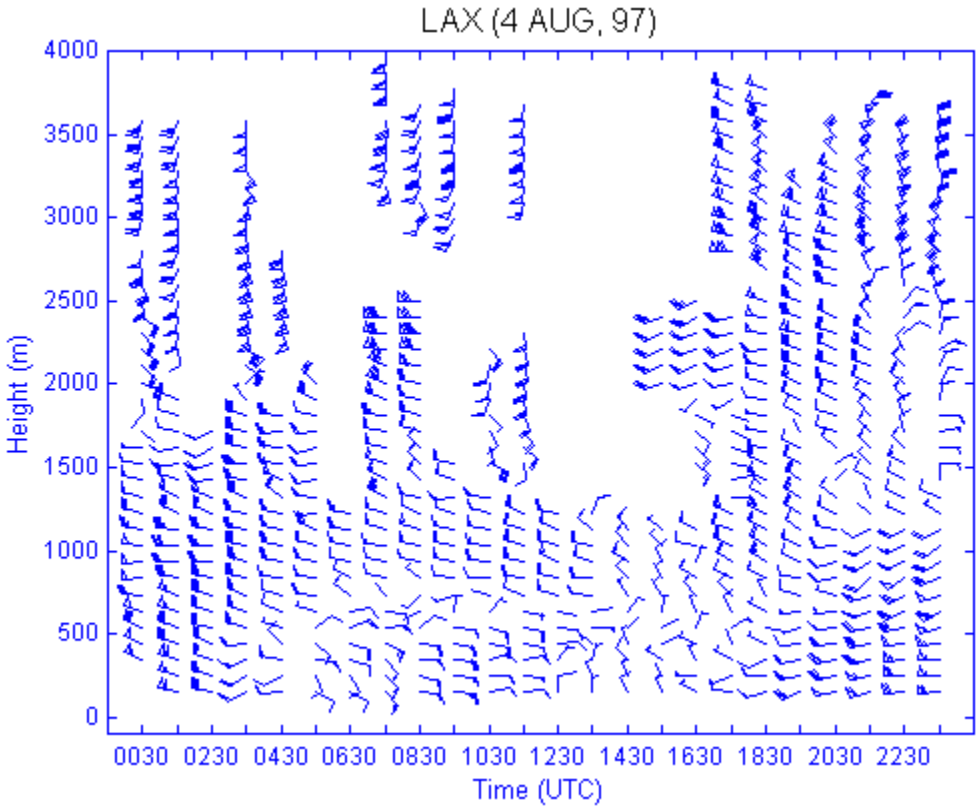


Figure 88a. LAX profiler winds (flag is 5 m $s^{-1}$) on 4 August.

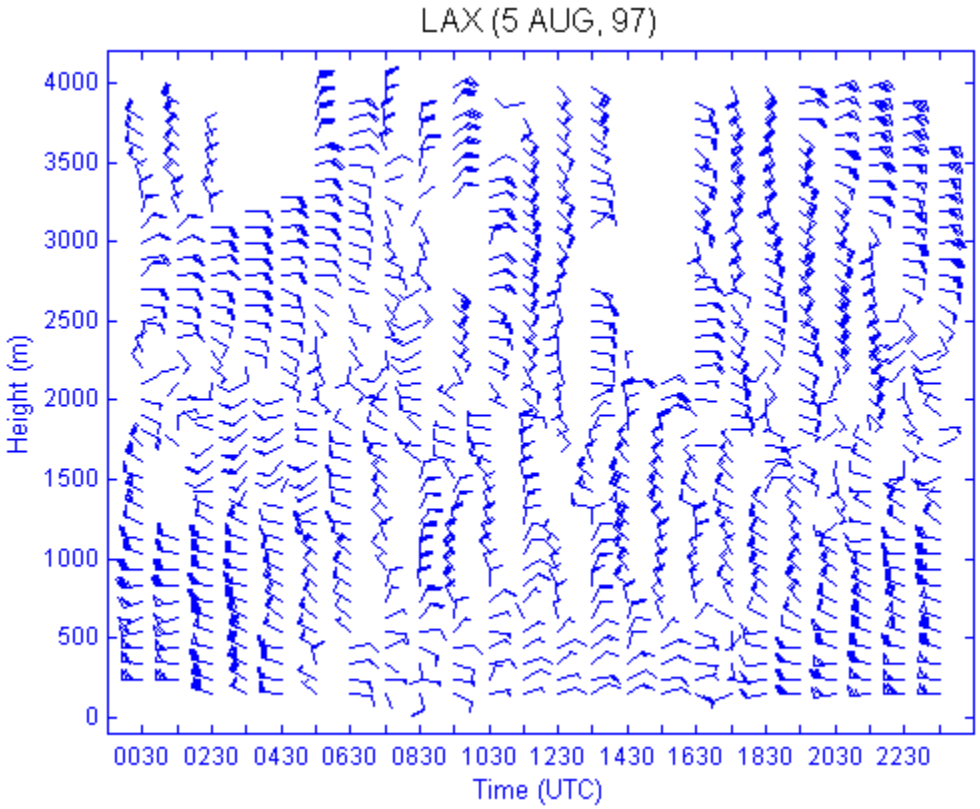


Figure 88b. LAX profiler winds (flag is 5 m $s^{-1}$) on 5 August.

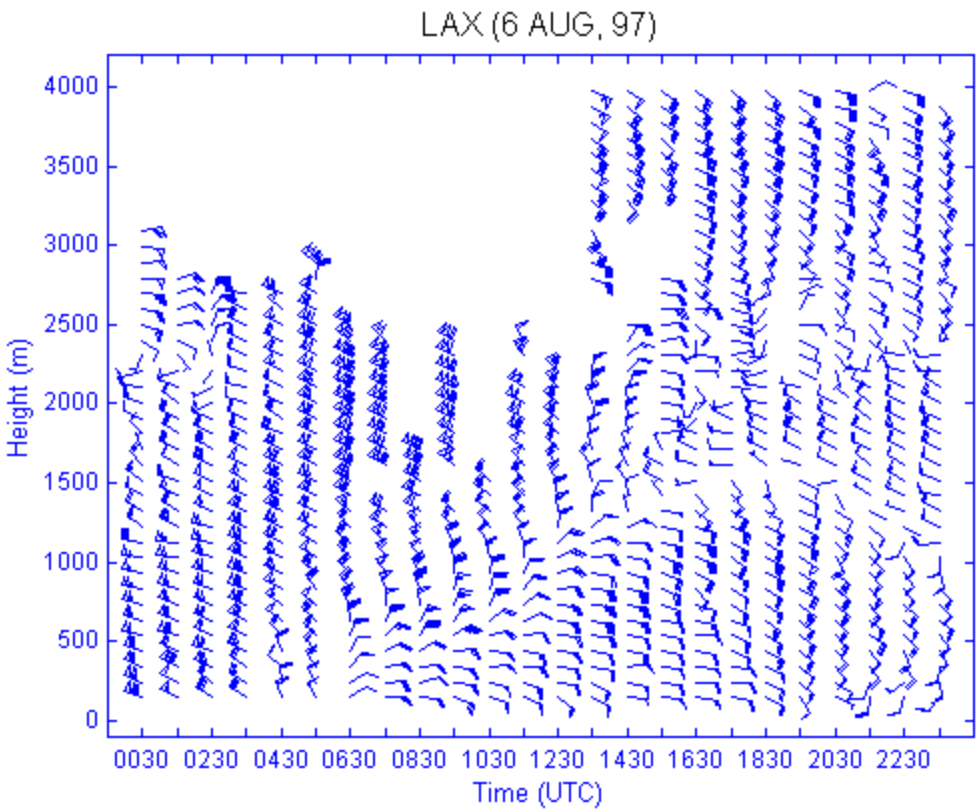


Figure 88c. LAX profiler winds (flag is 5 m $s^{-1}$) on 6 August.