

Analyzed Report 16

Sea surface temperature measurements and conservative variable analyses for several of the July 5 legs are presented. The FSSP measurements indicate there are small clouds/scud 250 m below cloud base on the cold northern side of this transition. Observer notes report a thin, solid stratocumulus cloud deck which gradually became more broken in the afternoon. There is no corresponding change in the horizontal wind across the transition regions. The leg length was kept short (8 to 10 minutes) to permit maximum vertical resolution, and there were 8 soundings. The transition is seen in the saturation point diagrams at 984, 959, and 946 mb. Winds were from the north at 10 to 13/ms throughout the night.

