

FIG. 1: Map of cruise track of the R/V Oceanus during OC 365/IV in March 2001. P = PALACE deployment, D = surface drifter deployment, + = CTD/LADCP station, X = XBT profile. The isobaths are 1000 and 4000 *m*.

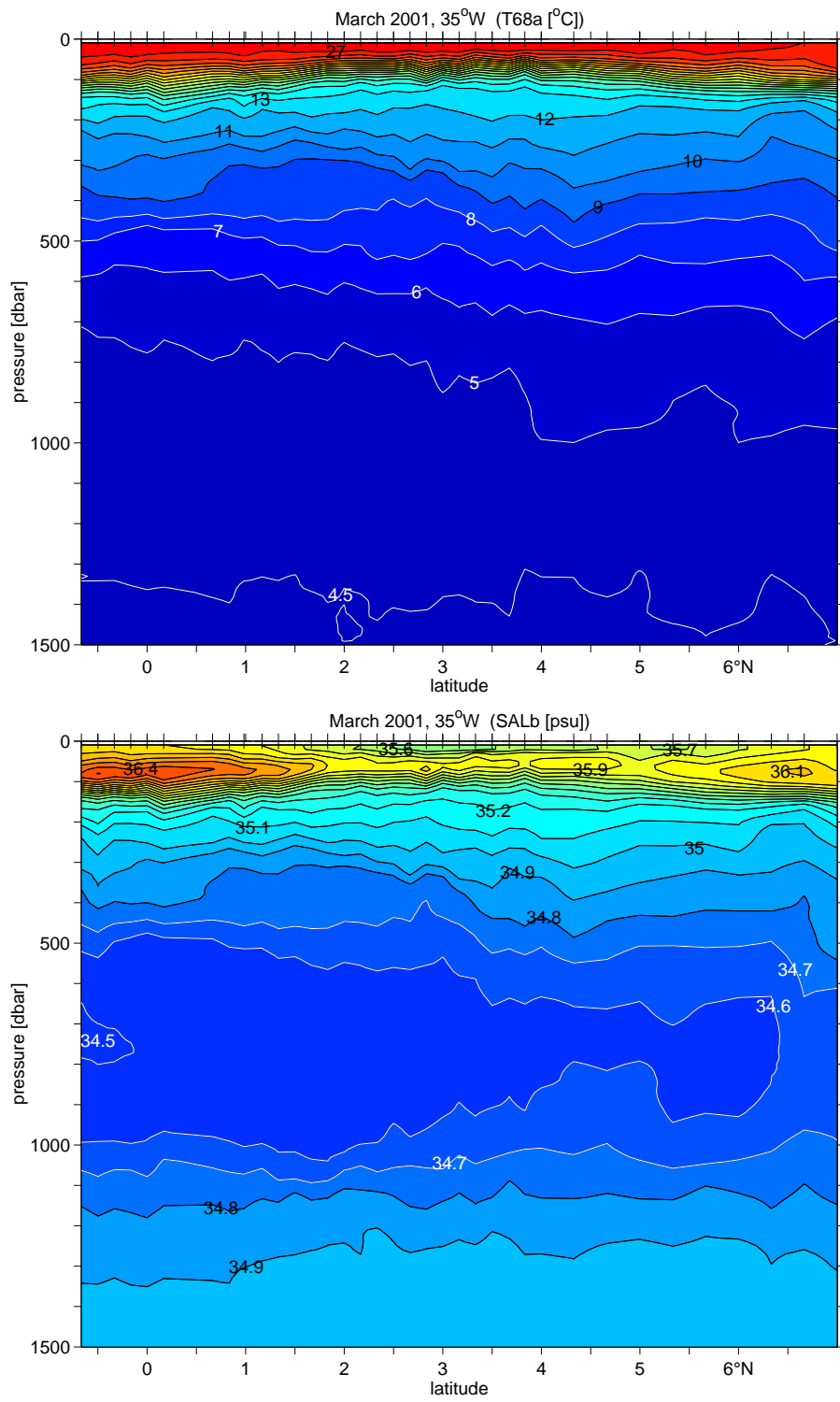


FIG. 2: Temperature and Salinity section at 35°W.

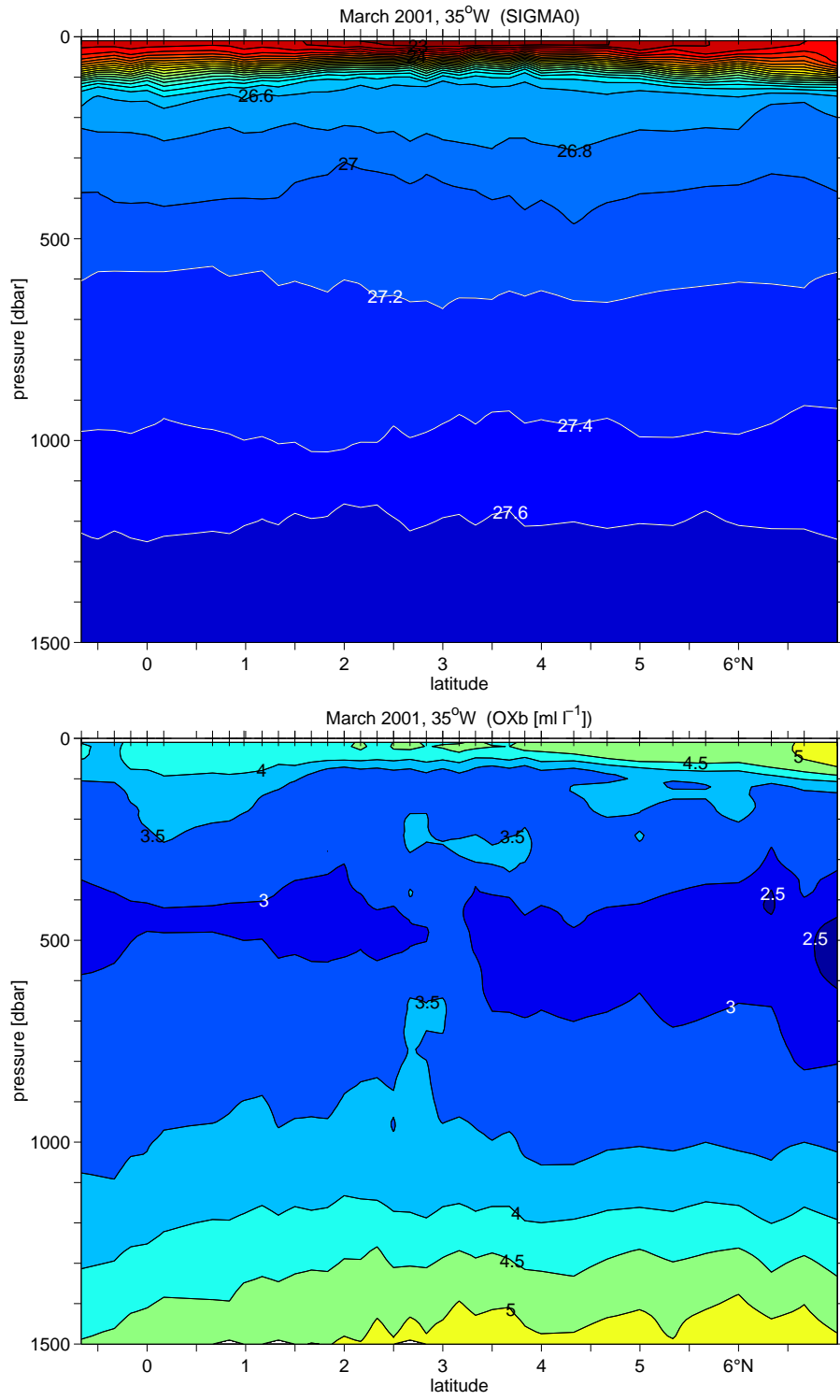


FIG. 3: Density ( $\sigma_0$ ) and oxygen section at 35°W.

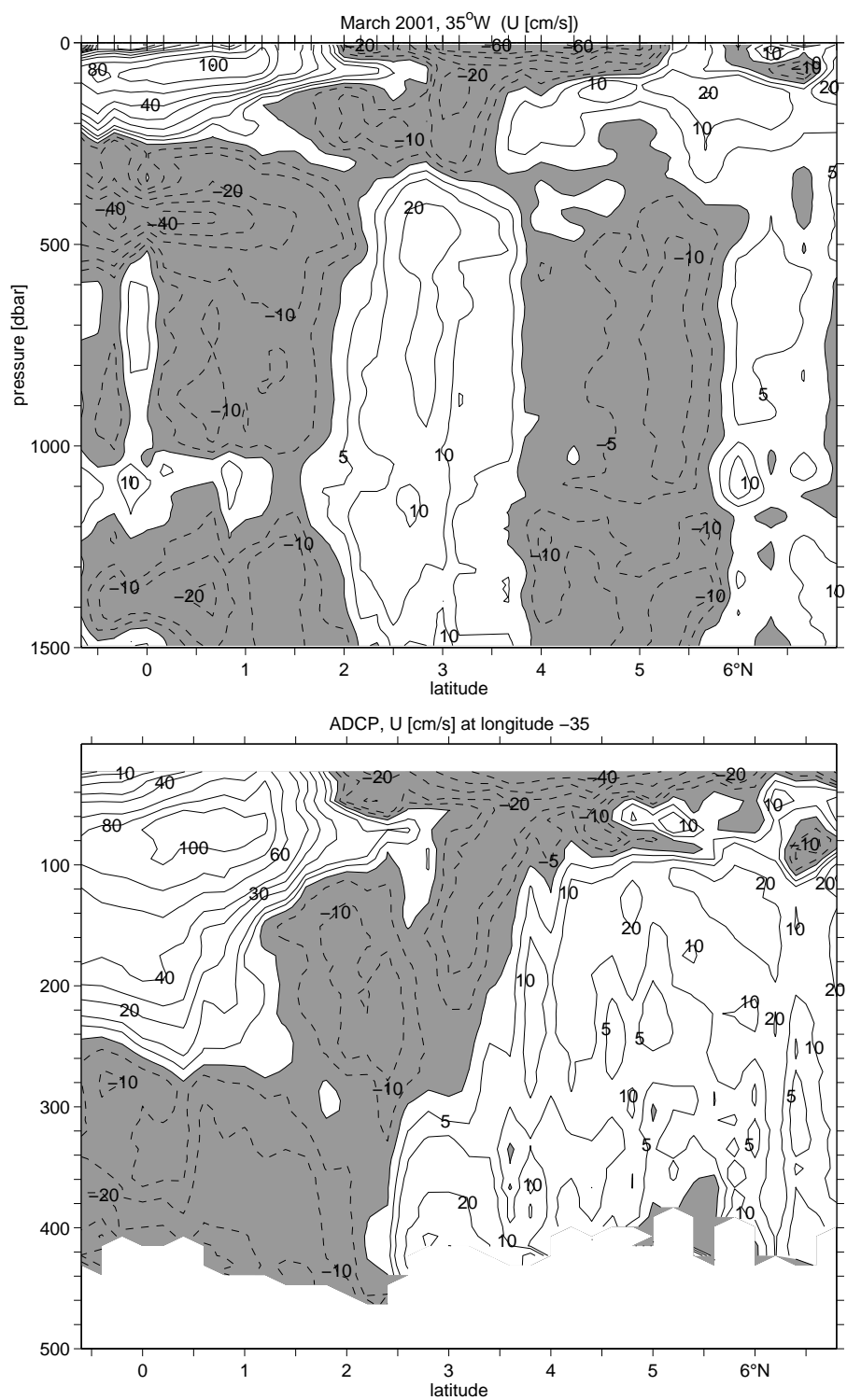


FIG. 4: Zonal velocity section at 35°W.

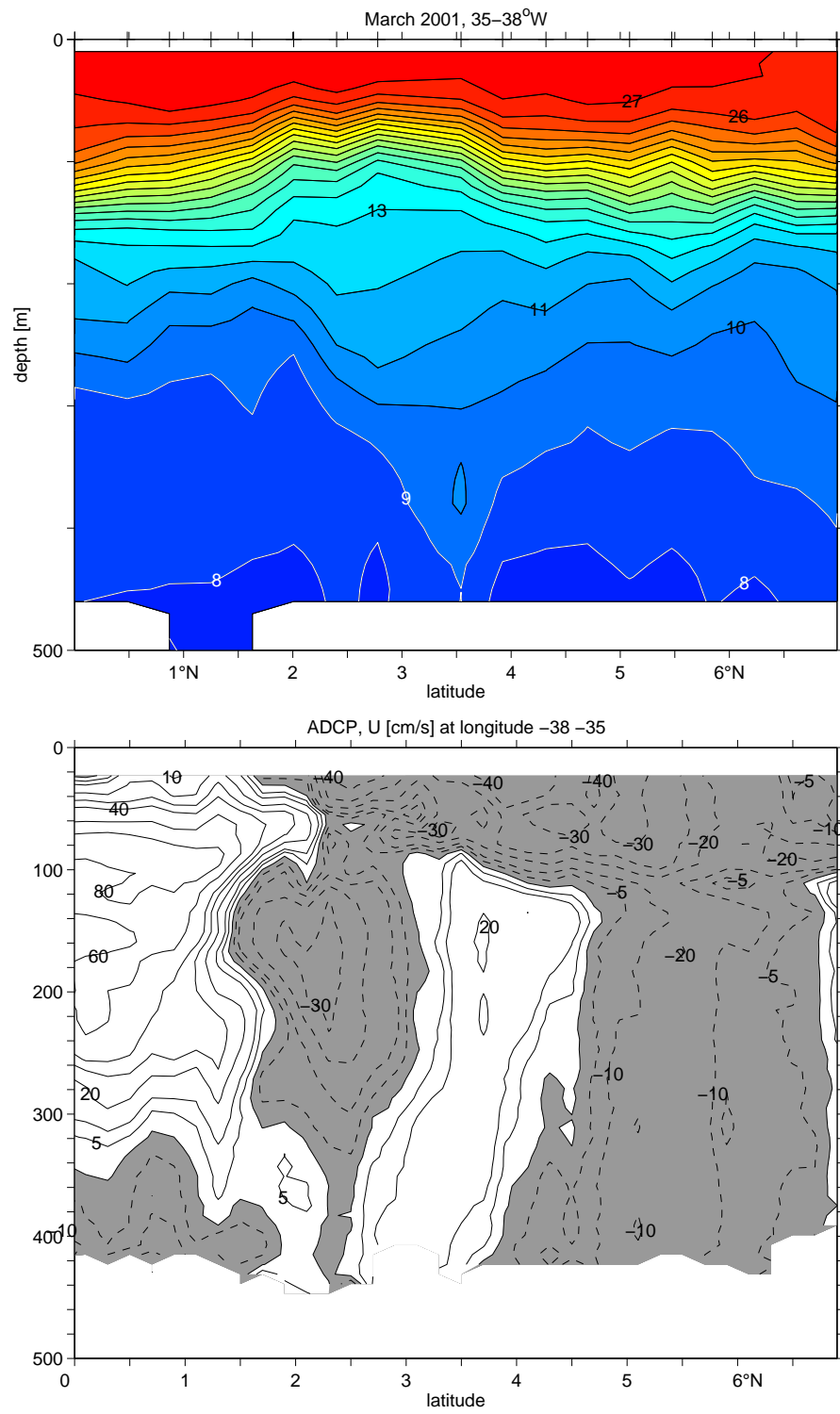


FIG. 5: Temperature and zonal velocity section at 35°W to 38°W.

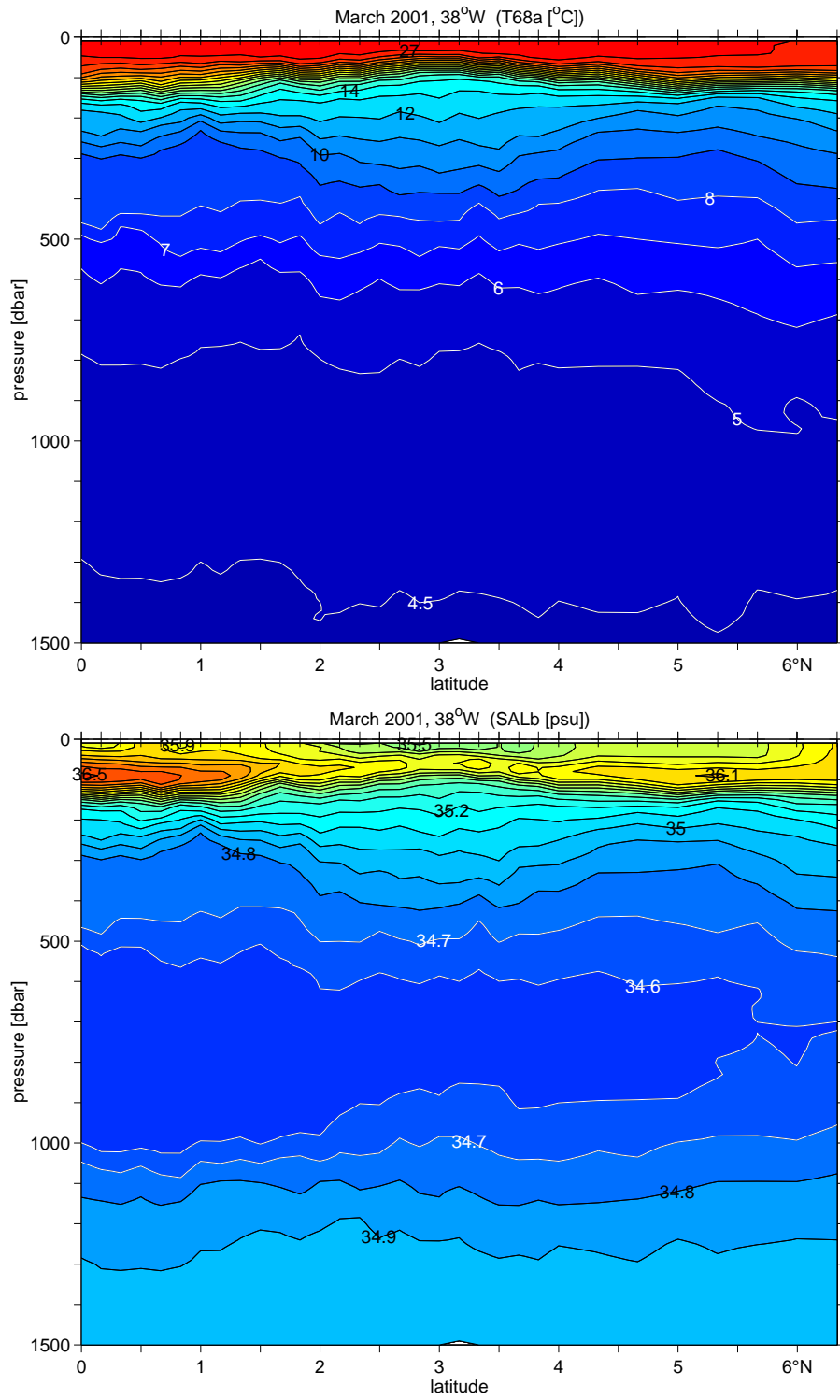


FIG. 6: Temperature and Salinity section at 38°W.

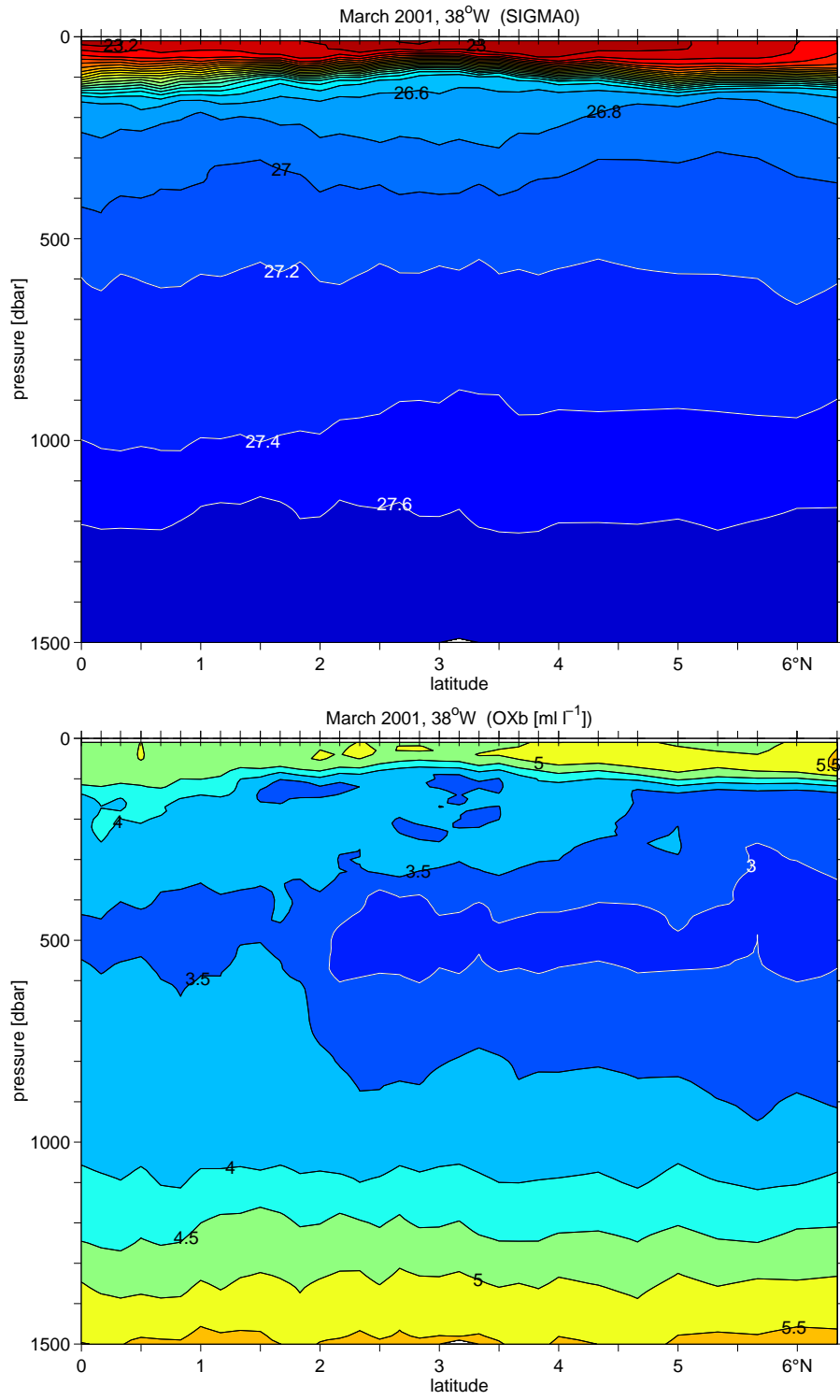


FIG. 7: Density ( $\sigma_0$ ) and oxygen section at 38°W.

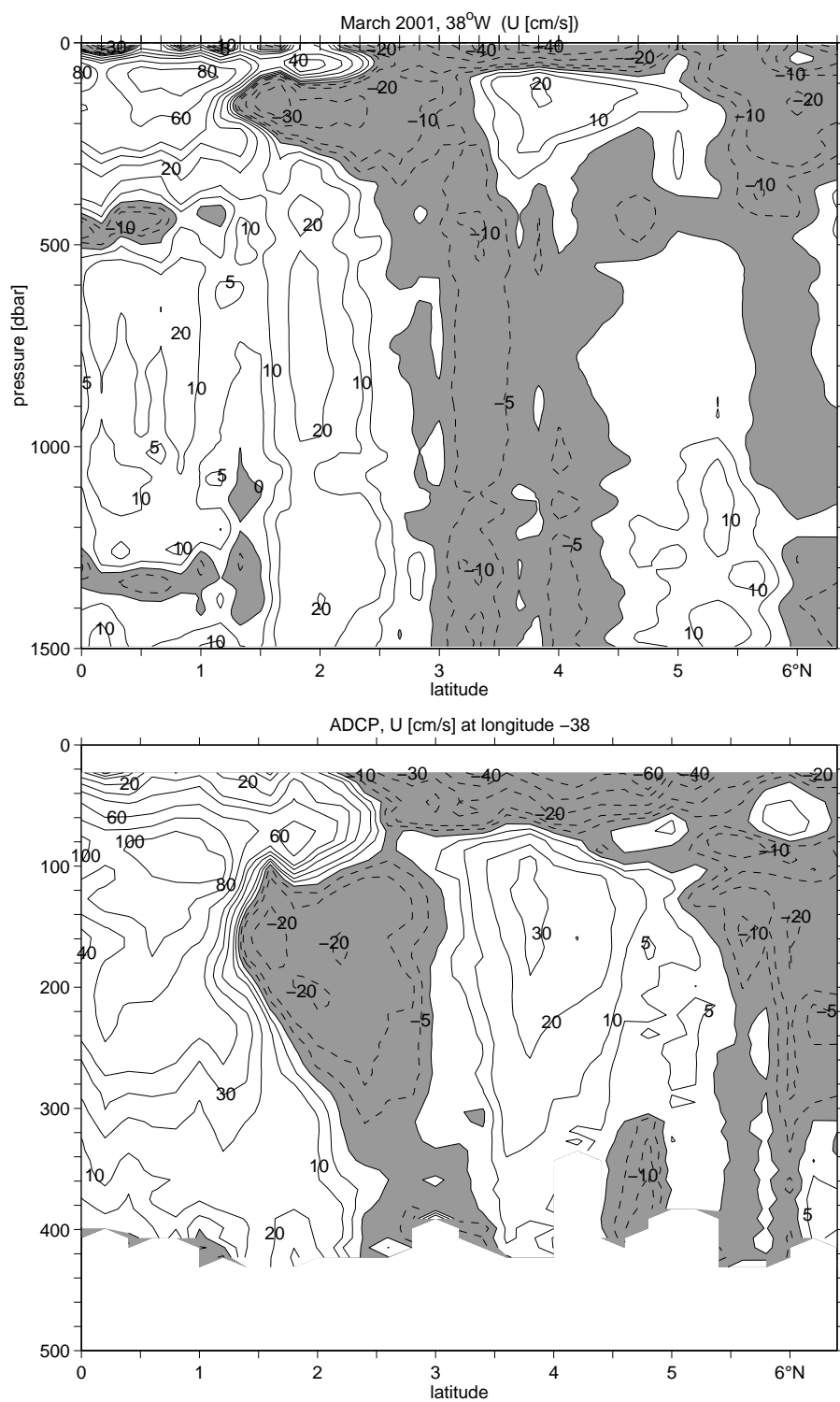


FIG. 8: Zonal velocity section at 38°W.



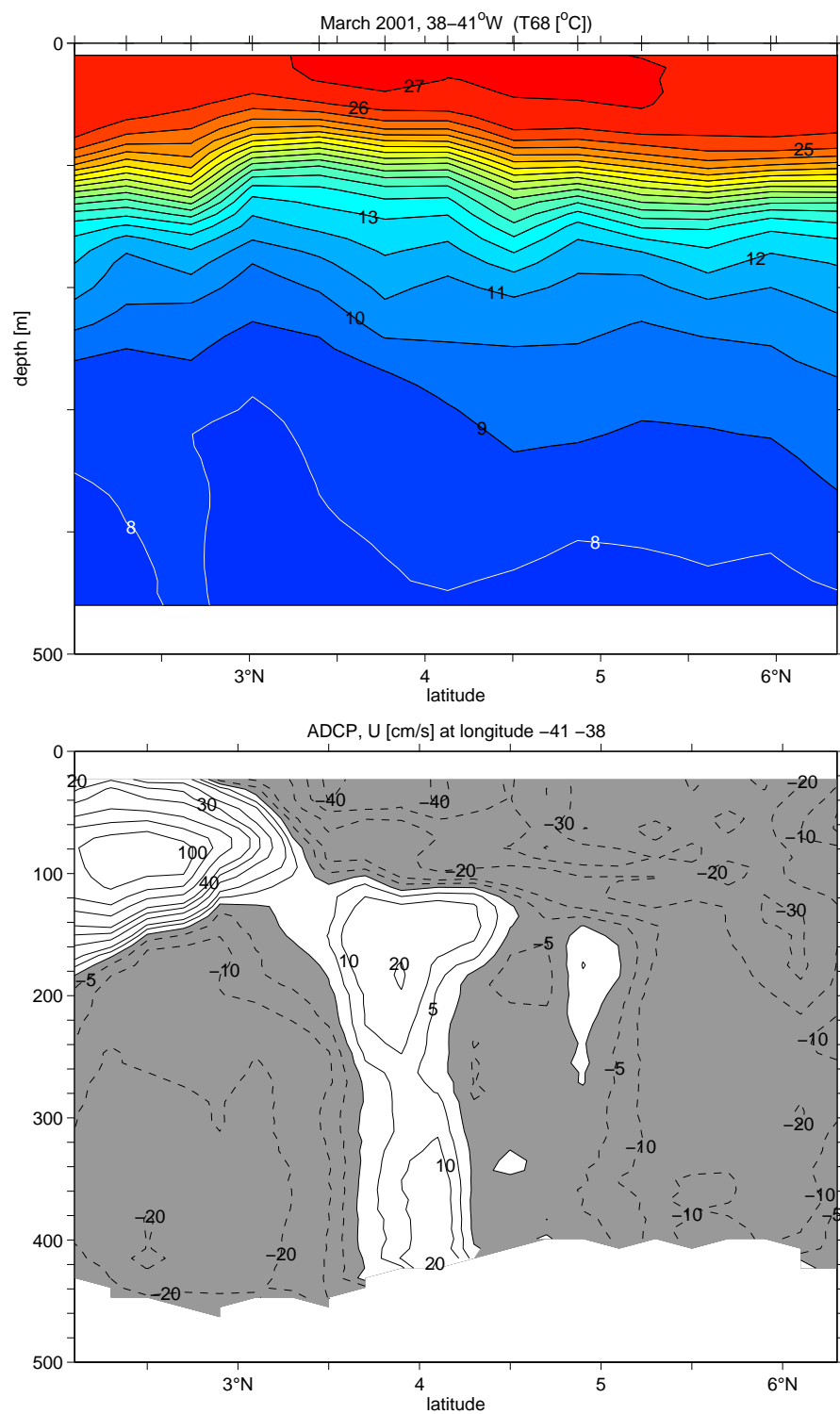


FIG. 9: Temperature and zonal velocity section at 38°W to 41°W.

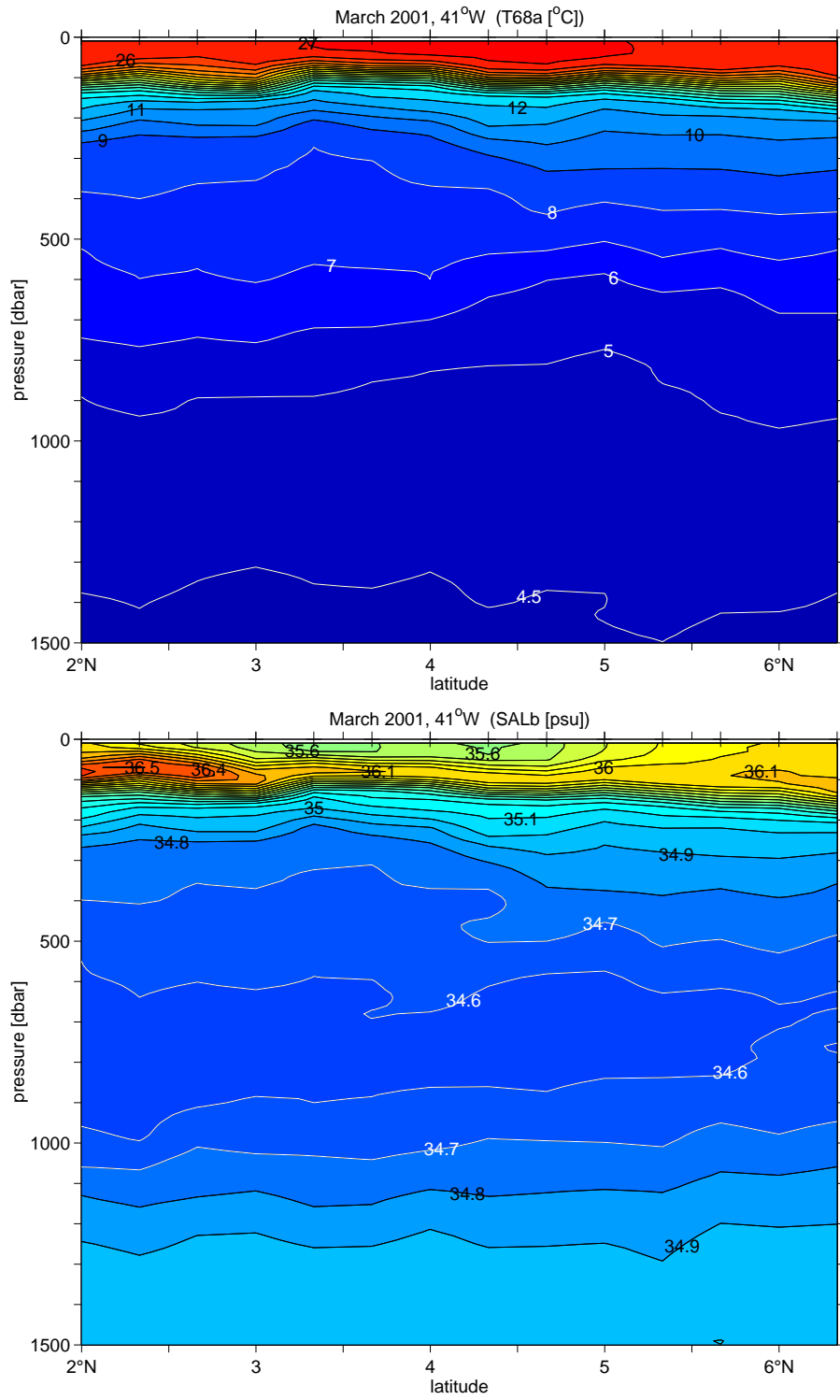


FIG. 10: Temperature and Salinity section at 41°W.

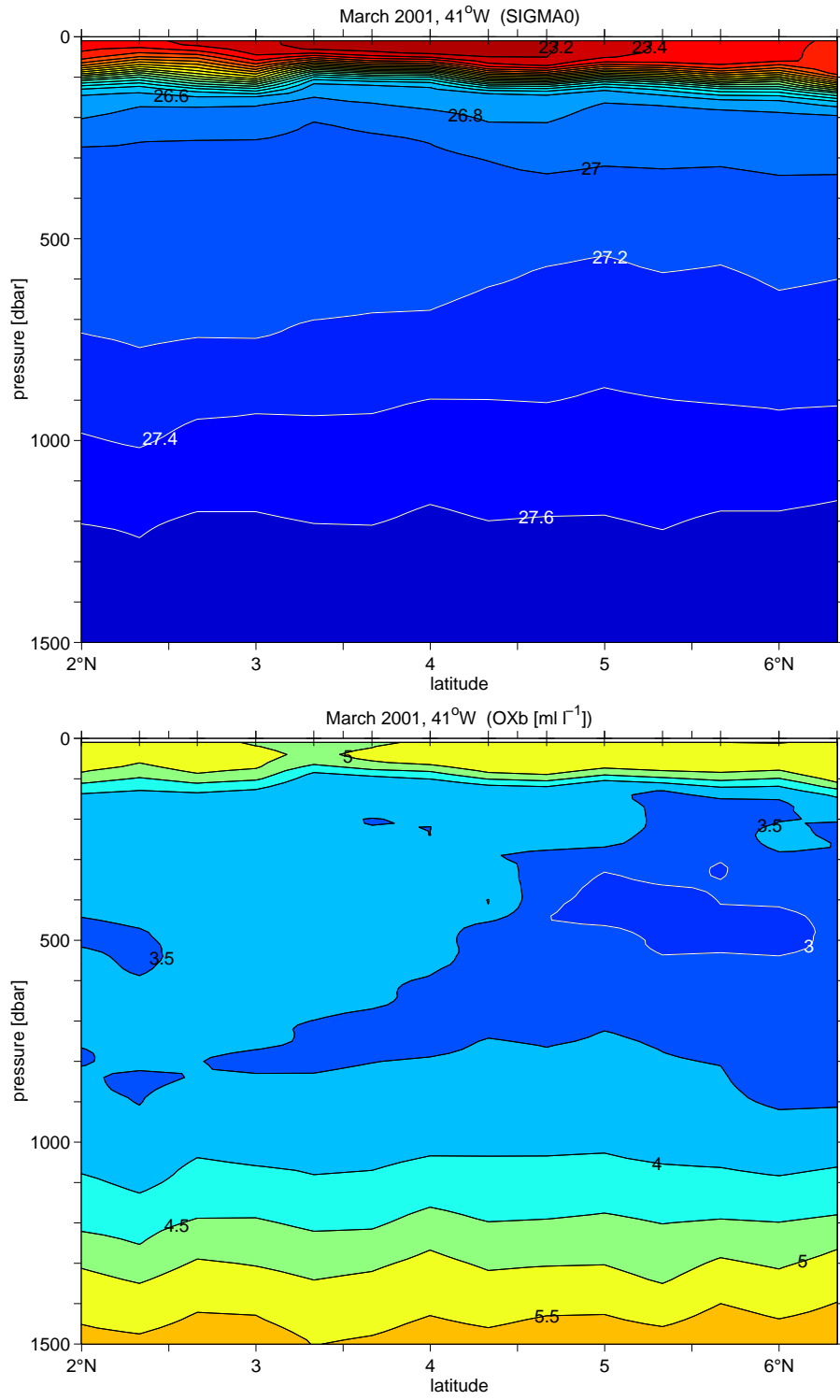


FIG. 11: Density ( $\sigma_0$ ) and oxygen section at 41°W.

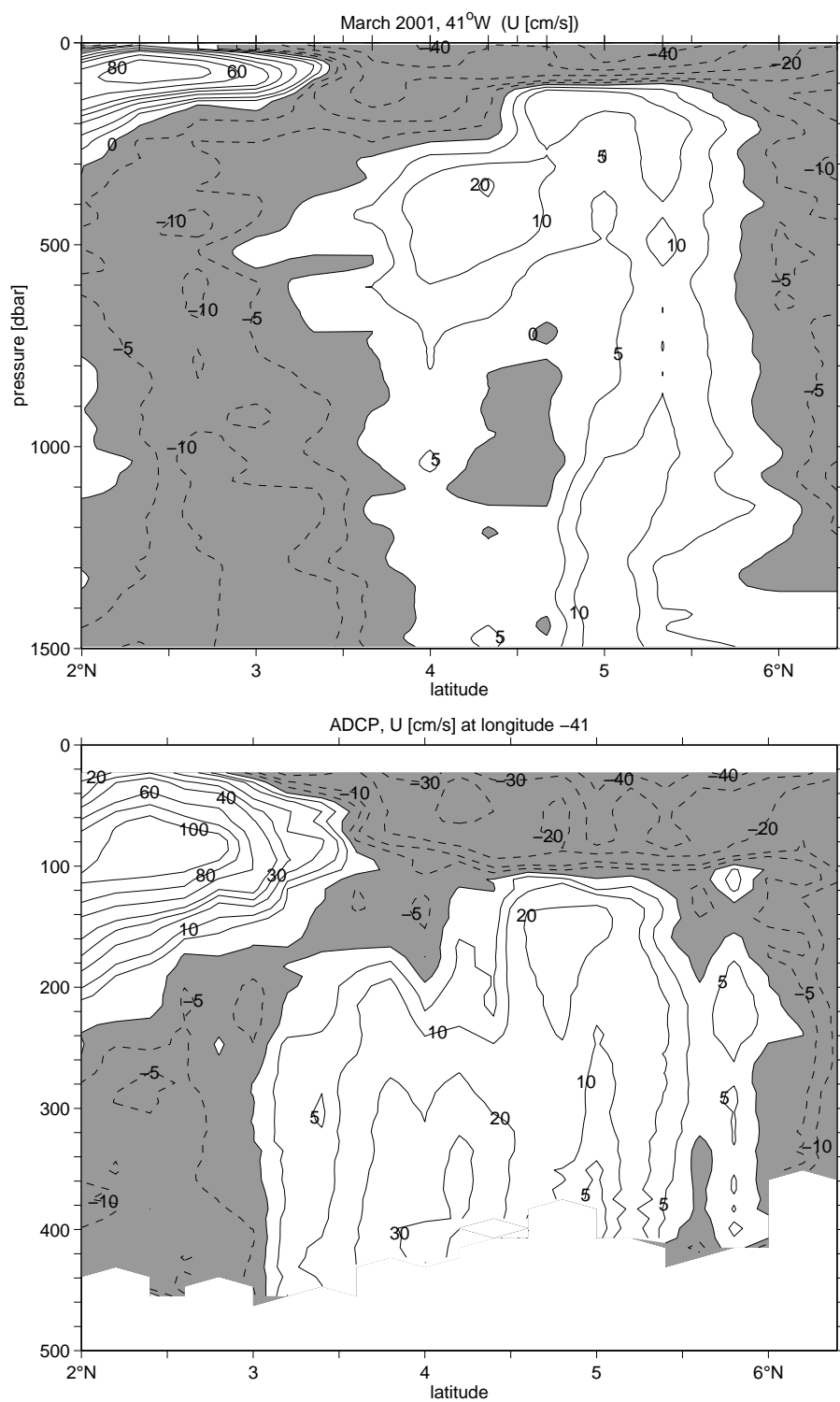


FIG. 12: Zonal velocity section at 41°W.

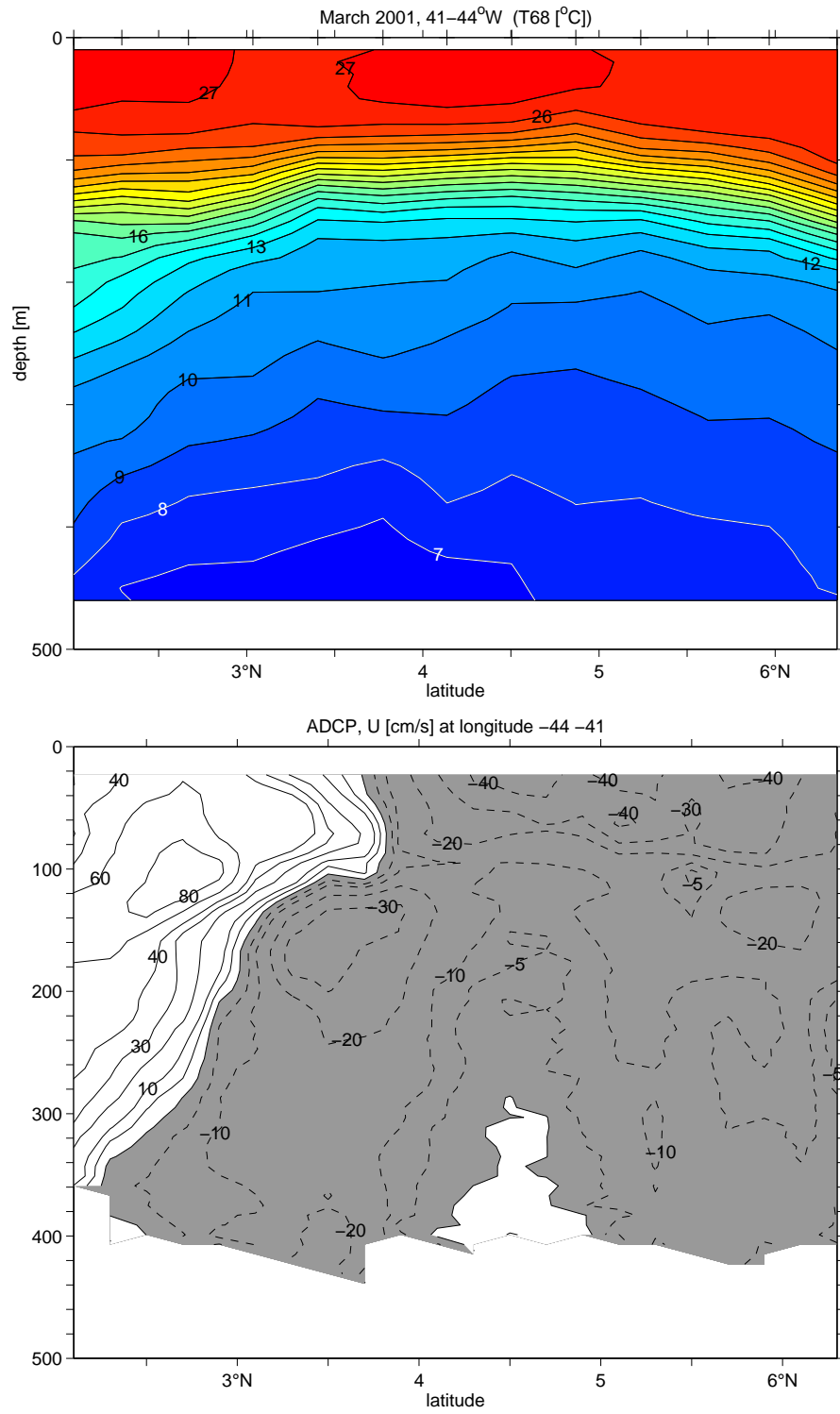


FIG. 13: Temperature and zonal velocity section at 41°W to 44°W.

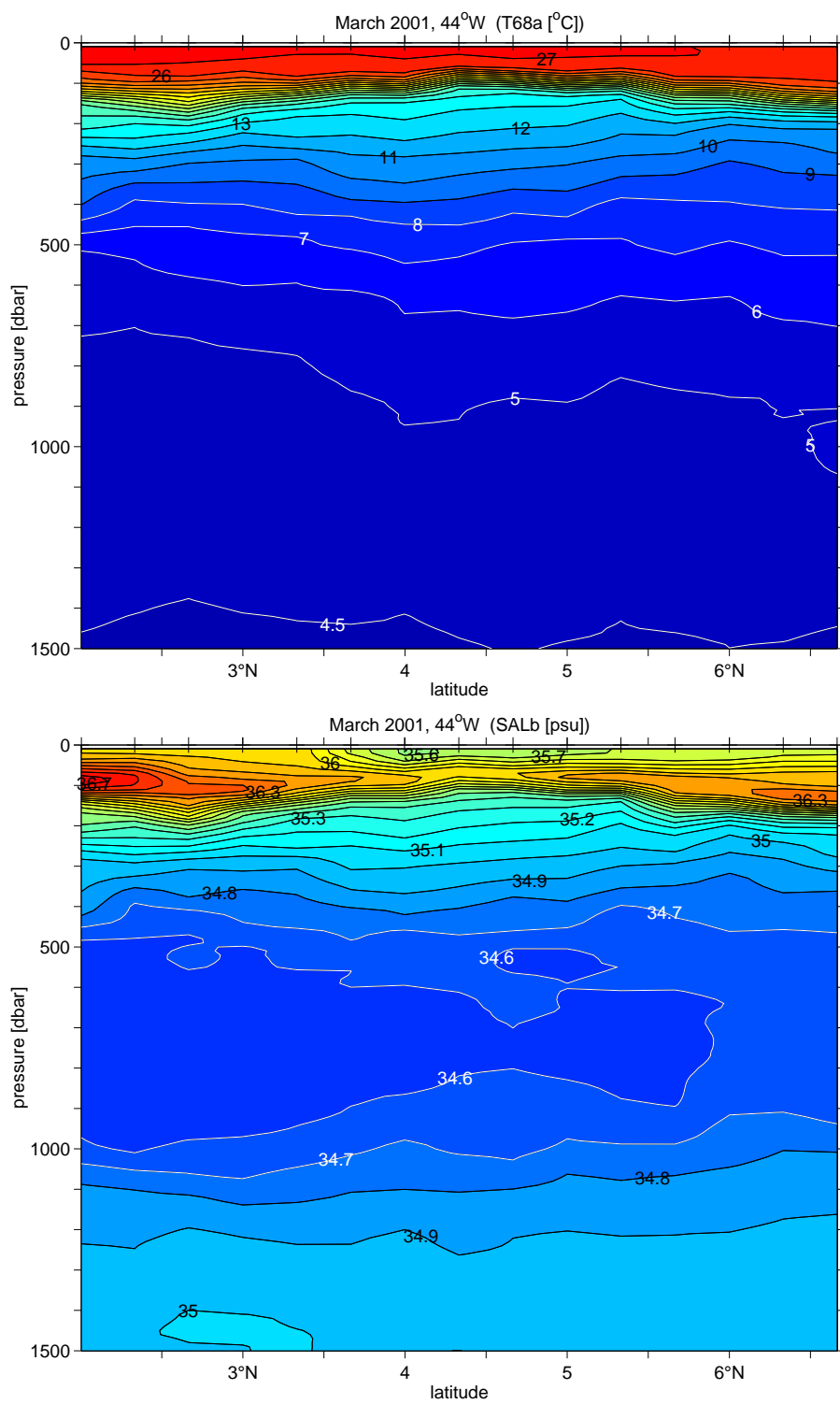


FIG. 14: Temperature and Salinity section at 44°W.

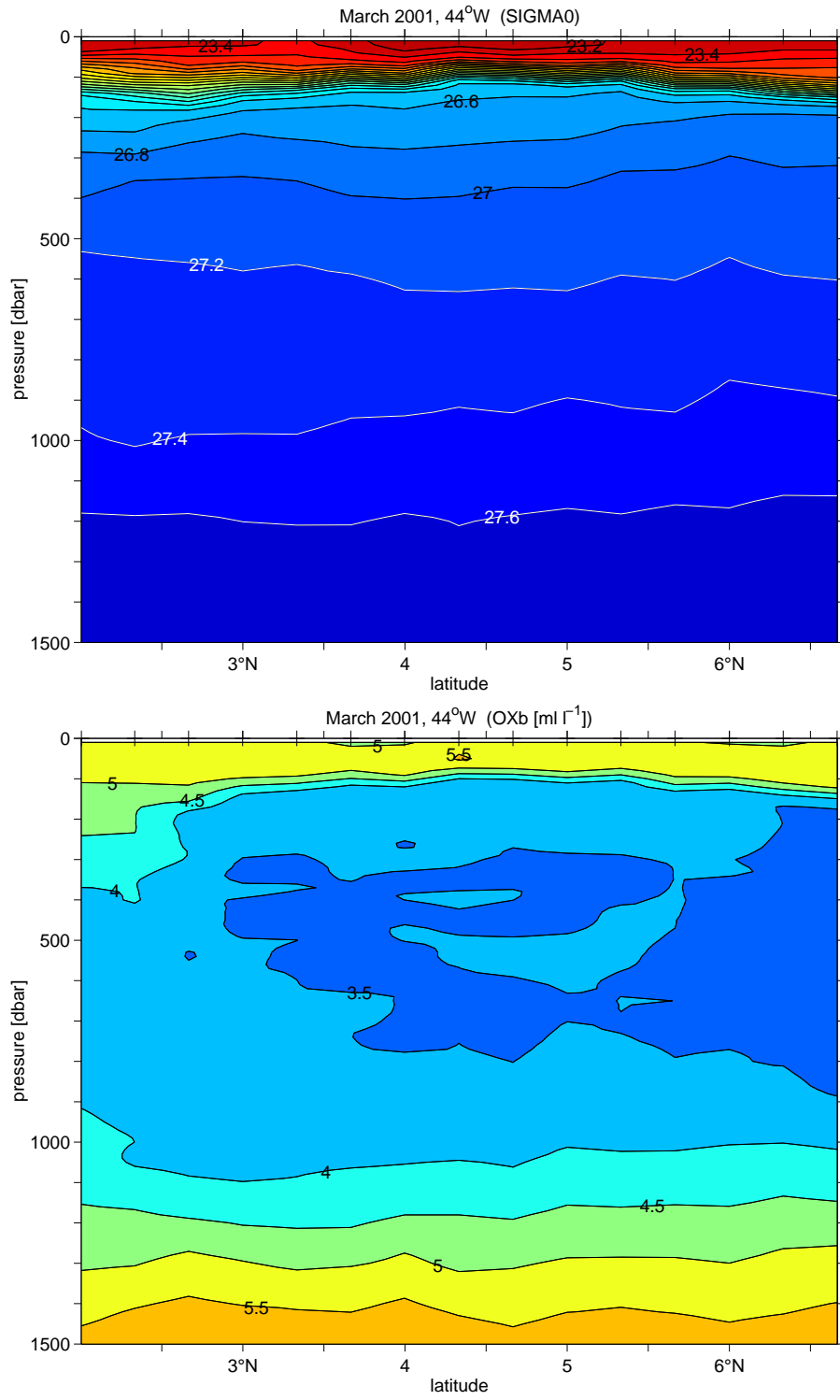


FIG. 15: Density ( $\sigma_0$ ) and oxygen section at 44°W.

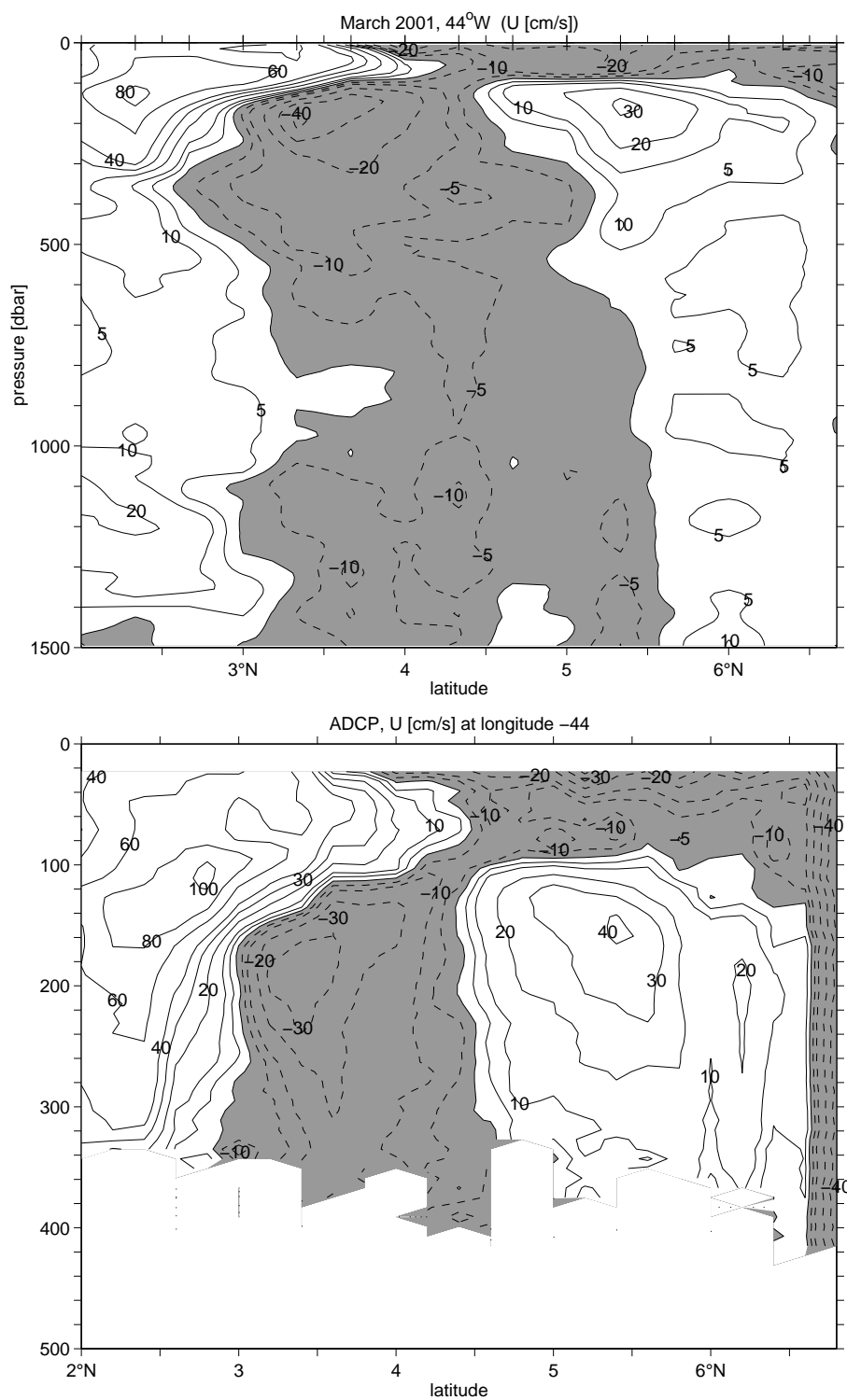


FIG. 16: Zonal velocity section at 44°W.



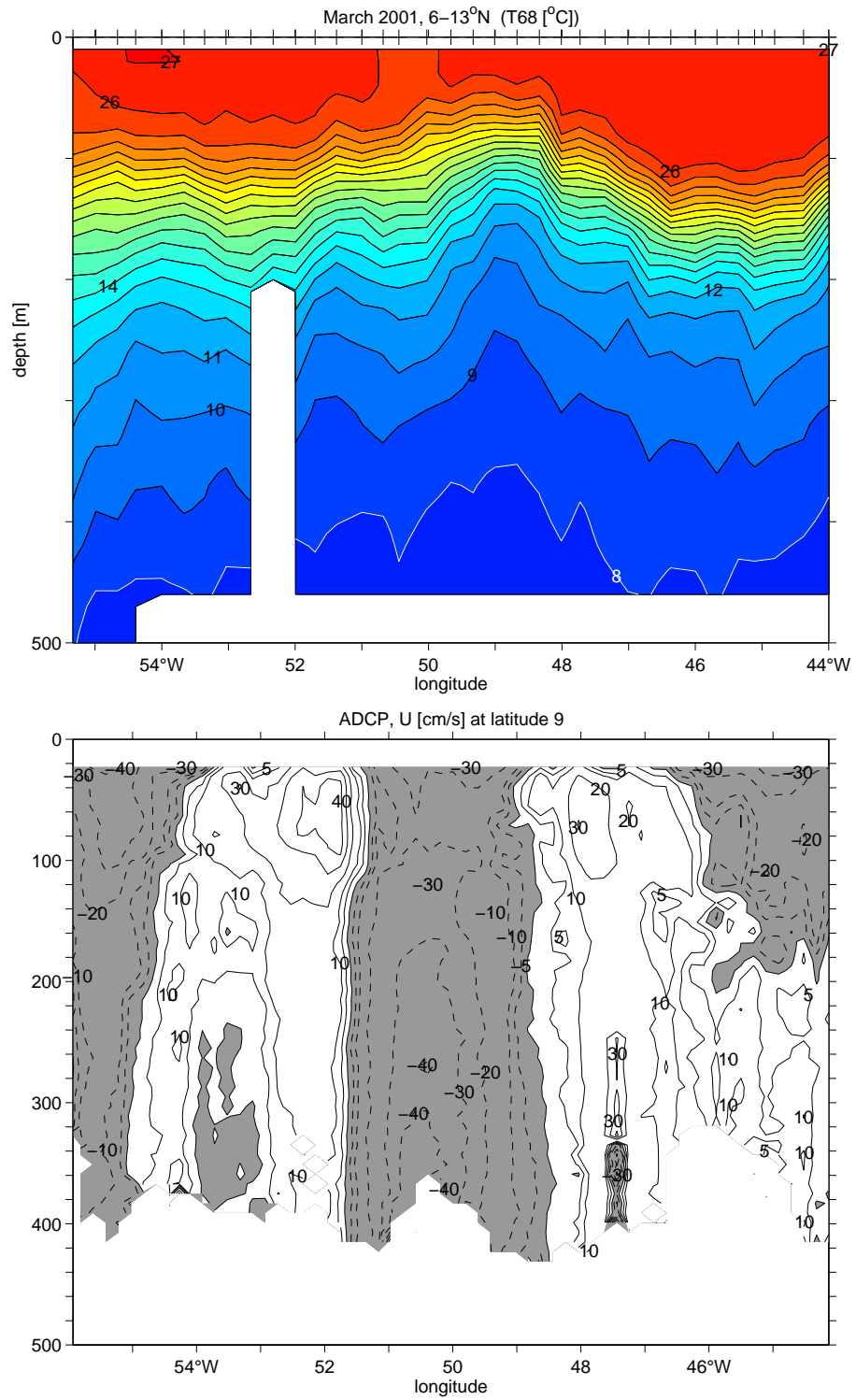


FIG. 17: Temperature and zonal velocity section at 44°W to 56°W.

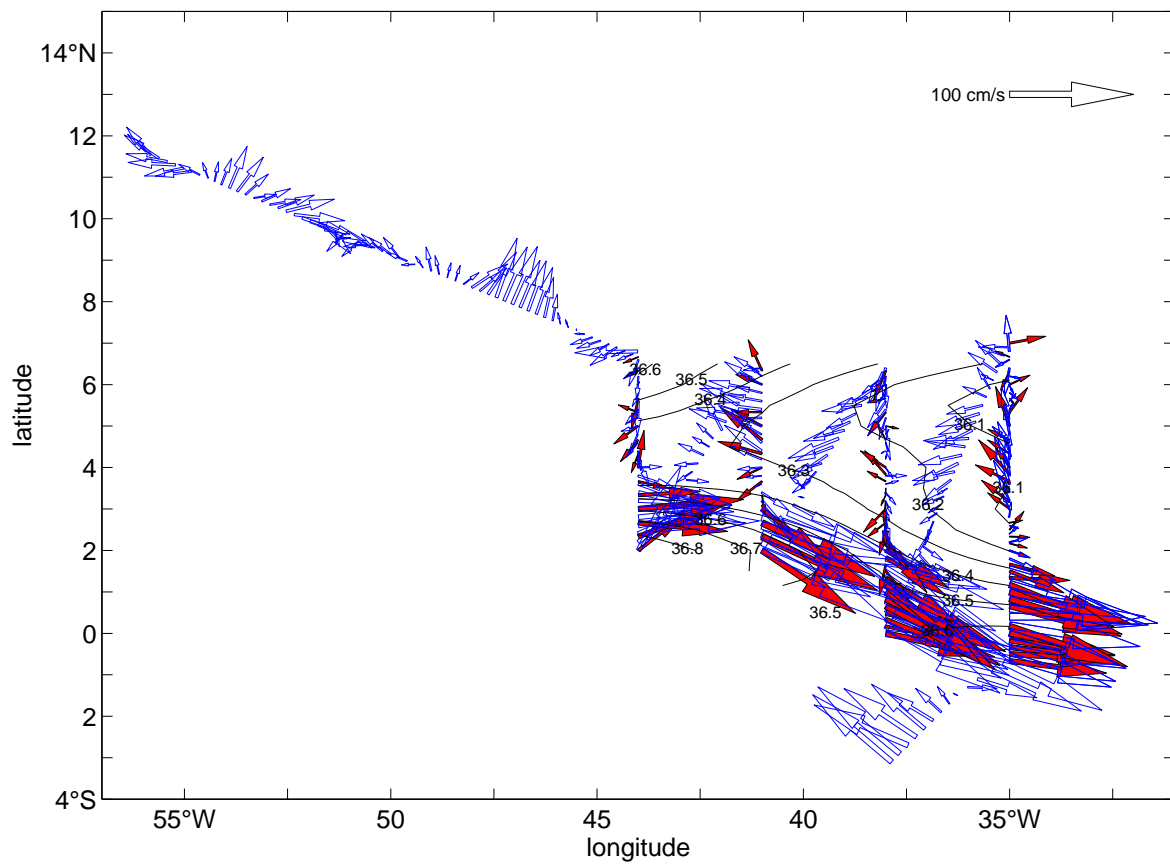


FIG. 18: Salinity and velocity vectors (red: LADCP, blue: ADCP) in the salinity maximum of the Subtropical Underwater.

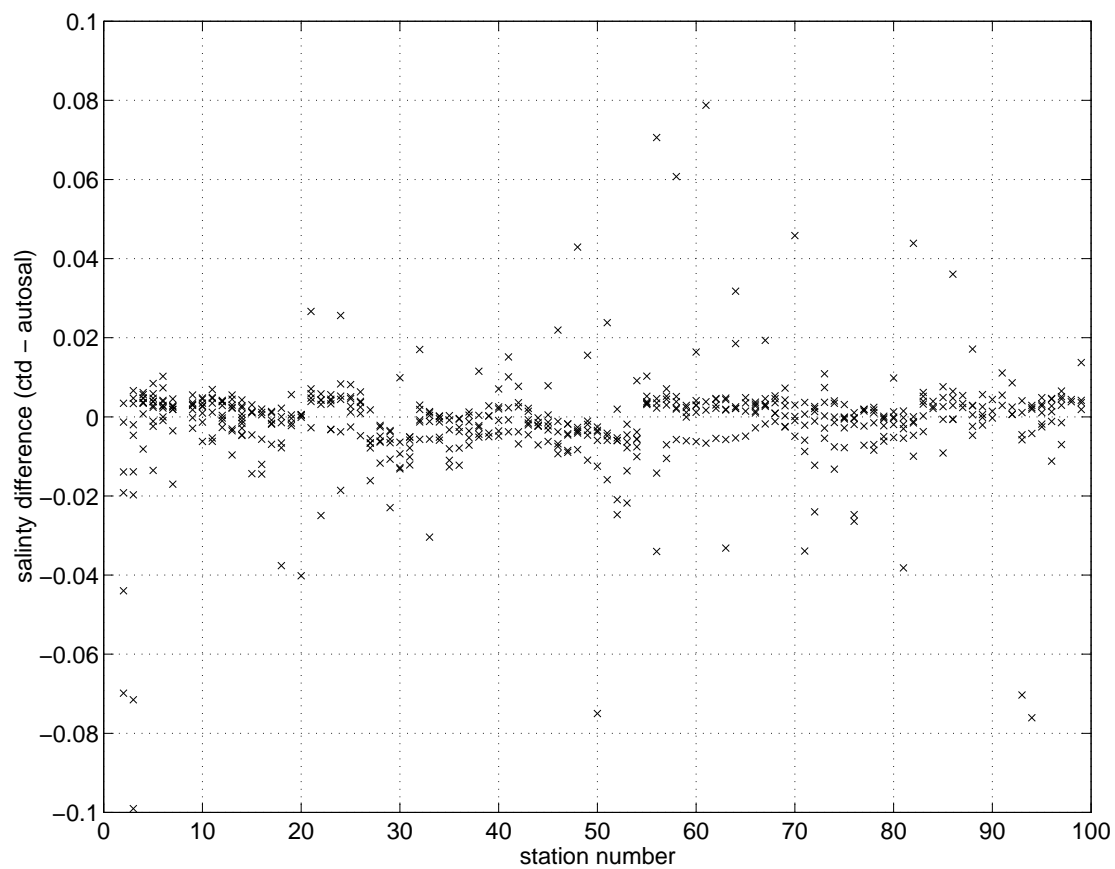


FIG. 19: Difference between CTD salinity and autosal salinity.