

Outflow in the Onset Region of the Solar Wind

F. BELY-DUBAU

Observatoire de la Côte d'Azur, Nice, France

We extend the work carried out by Gabriel, Bely-Dubau and Lemaire (ApJ, 2003), in which the outflow in both plume and interplume regions was determined between 1.05 and 1.35 R_{\odot} , using the SUMER instrument on SOHO together with the technique of Doppler dimming. We extend this here out to 2.5 R_{\odot} by including data from the UVCS instrument. This is made difficult by the problem of tracing the plumes through the UVCS region 1.5 to 2.5 R_{\odot} . The process of Doppler dimming itself, for which intensities depend on outflow velocities, renders inapplicable the identification of plumes by the technique of following the brightest region in UVCS. We resolve this by using the LASCO-C2 instrument to identify the plumes beyond 2.5 R_{\odot} .