Study of the Minimum Solar Corona on the Period August-October 1996

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The paper presents the dynamics of the solar corona in the minimum phase of the solar cycle (period August-October 1996), using spectral data of LASCO-C1. LASCO-C1 is an internally occulted coronagraph on the SOHO spacecraft. It has a tunable Fabry-Perot interferometer which allows taking spectral scans of selected coronal emission lines. From measured line profiles we deduced physical quantities like temperature and flow velocities along the line of sight. This way, we obtained information on the flow pattern in the low corona (1.1 to 1.6 solar radii).