

# BELGRADE OBSERVATORY'S EXPEDITION FOR OBSERVATION OF TOTAL SOLAR ECLIPSE 1961

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**Abstract.** On the occasion of the total solar eclipse of February 15, 1961, Belgrade Observatory organized a seven-member expedition to the island Hvar with the aim to photographically observe: coronal polarization, corona in several colors and two chromospheric flash spectra. Within two coronal sectors at distances from 1.2 to 2.8 solar radii the degree of polarization amounted from 12% to 62%. For a number of spectral lines in the flash spectra as well as for several continuum wavelengths intensity gradient have been found.