The Wide-Field Imager (WFI) Instruments for the PUNCH Mission: Instrument Performance and Current Status
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Oral
(Invited Talk)
The PUNCH WFI instruments are a constellation of three wide-field imagers for the PUNCH Small Explorer mission. The WFI instruments incorporate conventional optics and deep baffles to attenuate stray light and image visible light that is Thompson scattered by free electrons in the outer corona and young solar wind. Together with the Near Field Imager (NFI) instrument, the four microsatellites (microsats) are synchronized as a single observatory and will produce continuous, deep-field, 3D (polarized) visible-light images of the corona and solar wind from 6Rs to 180Rs. Integration of WFI flight instruments into the PUNCH Observatories and subsequent end-to-end testing is complete. We present a summary of the WFI instrument design, calibration performance, and delivery status.
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