

## **The FURST Mission**

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We describe a new sounding rocket mission, the Full-disk Ultraviolet Rocket SpecTrograph (FURST), planned for launch in 2022. FURST will obtain the first high resolution ( $R > 20,000$ ), radiometrically calibrated VUV spectra of the Sun as a star, from 120-180 nm. FURST spectra will have applications to solar and stellar physics, climate science, and the interaction of solar UV radiation with comets, moons, and planets. We summarize the scientific priorities, optical design, calibration plan, and status of the FURST mission.