

NOAA ROSES Semi-Annual Report

Reporting Period: September 2020 – February 2021 (1st report)

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Project Title: GOES High cadence Operational Total Irradiance (GHOTI)

Executive Summary (1 paragraph max)

Analysis of the GOES-R series SPS instrument on EXIS to create a proxy for Total Solar Irradiance

Progress toward FY20 Milestones and Relevant Findings (with any Figs)

We have gained access to the data, and are beginning to make corrections for instrument artifacts due to temperature variations and degradation of the responsivity. We are making comparisons to similar observations from TSIS-SIM and SORCE-SOLSTICE.

Plans for Next Reporting Period

Continue data analysis to make corrections to the SPS data.