Gavin
Schmidt
Director, NASA Goddard Institute for Space Studies
Oral
(Keynote Speaker)
I will discuss progress at including a diverse range of solar mechanisms in the GISS Earth System Model, including TSI, SSI, SEPs and progress towards including ionization effects on aerosols. Matches to solar impacts derived from SSU data are good, though ozone changes are slightly too small. I will discuss the continued problem of volcanic aliasing of the solar signal. I will also discuss the potential for solar effects to be impacting the very warm surface temperature data in 2023 and the continued ‘discussion’ of the attribution of solar effects on long term climate change.
YouTube link
View recording
Meeting homepage
4th Eddy Cross-Disciplinary Symposium
Download to PDF