## Relative Role of Geomagnetic Forcing and Solar EUV on the Thermospheric Temperature During the April 2023 Geomagnetic Storm using GOLD and GITM





10:10 - 10:33 UT

- thermospheric temperature changes during geomagnetic storm recovery.
- effects studied at 160 km altitude.
- geomagnetic forcing and solar EUV to post-storm thermospheric cooling



- around 06 UT
- coverage of each day
- on 04/25.
- UT on 04/25.





Storm forcing. relative to Apr 22 (quiet day). Storm forcing seen as dominant driver enhancing temperature at 160 km altitude.

	[7]Future Work & Acknowledgment
ed <1 %	• Quantify NO cooling impacts to study the reason
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	GITM simulated NO cooling rates.
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ons with	shreejan.khanal2@mavs.uta.edu
	UNIVERSITY OF TEXAS