Ionospheric Disturbances Generated by the 2022 Hunga Tonga-Hunga Ha'apai Eruption: Comparison of GITM simulations



- Long lasting, horizontally broad, ionospheric
- Modification of electric field systems [2].
- Global scale secondary gravity waves [4].

- What are the relative ionospheric and (AGW) spectrum acoustic-gravity wave excited by the event?
- Can our models recreate significant features of the IT response and if not, why?
- How can a detailed explanation of the and their impacts on society?





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<u>meters</u>	Important C
L° (~100 km)	$C_{p0} = 2$
n: ~ 2° x 2°	Ċ
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