

Topic #5

- Topic: Land water storage variability as a function of human and natural controls
- Datasets: GRACE moisture storage (equivalent water height over land), TRMM precipitation, CERES surface downwelling shortwave radiation
- Geographic foci: Northern India, southwest US
- Questions:
 - Is there an apparent seasonality in GRACE soil water storage in heavily managed (agricultural) regions?
 - How does that seasonality temporally align with seasonality in precipitation, relative to the agricultural seasons when soil water is used for irrigation?
 - From these datasets, what conclusions can we draw regarding the primary driver of soil water storage in this system? Can these datasets be used to identify energy and water-limited environments?
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