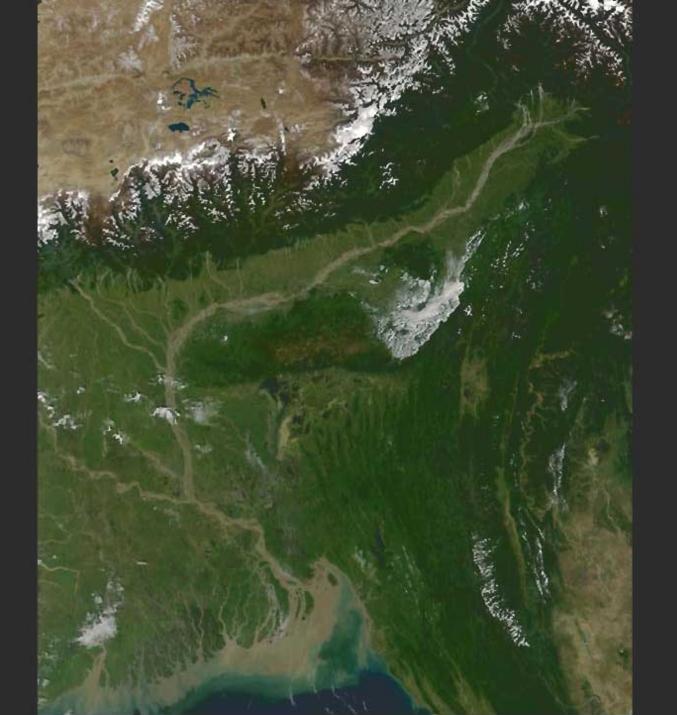
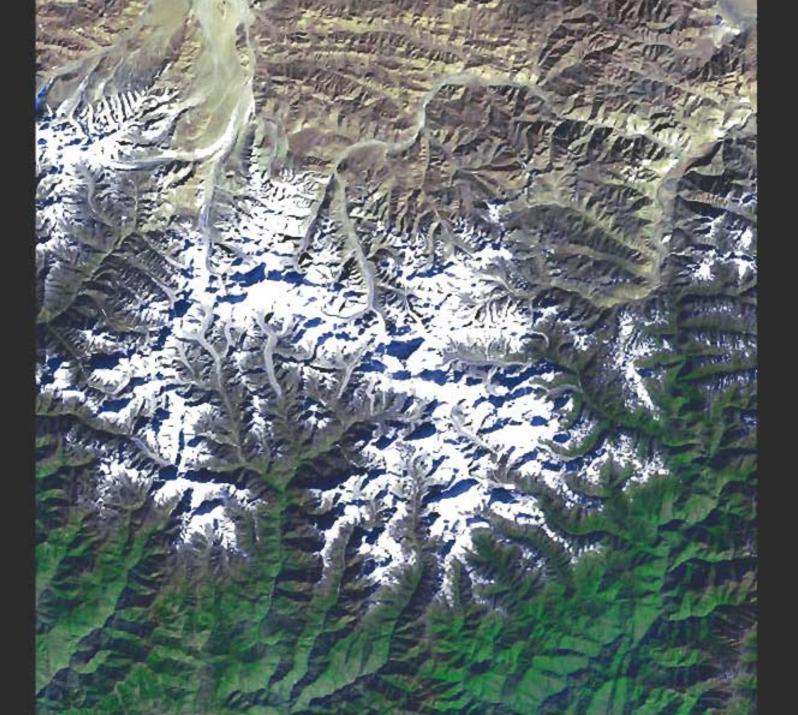


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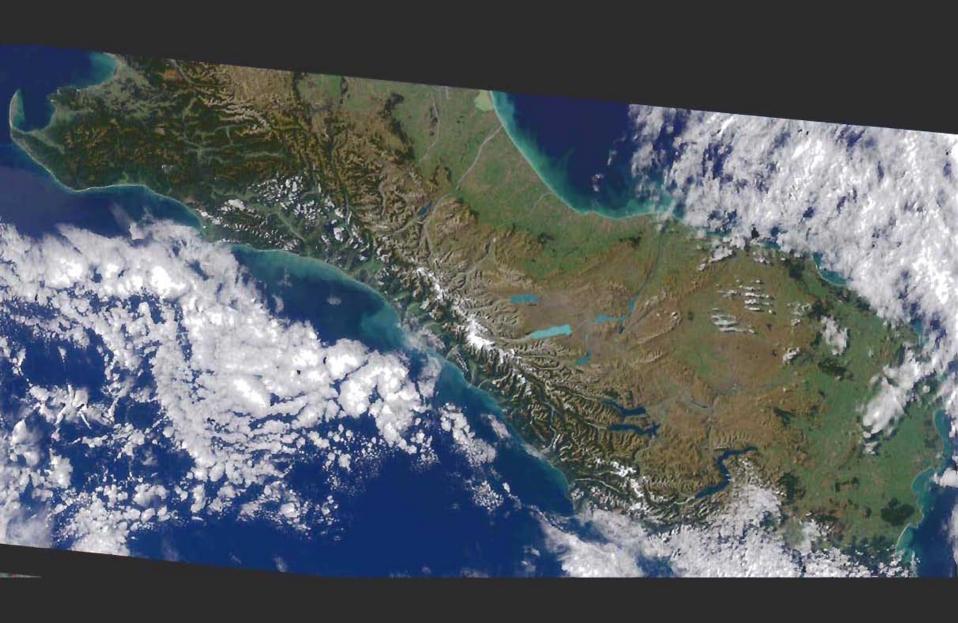


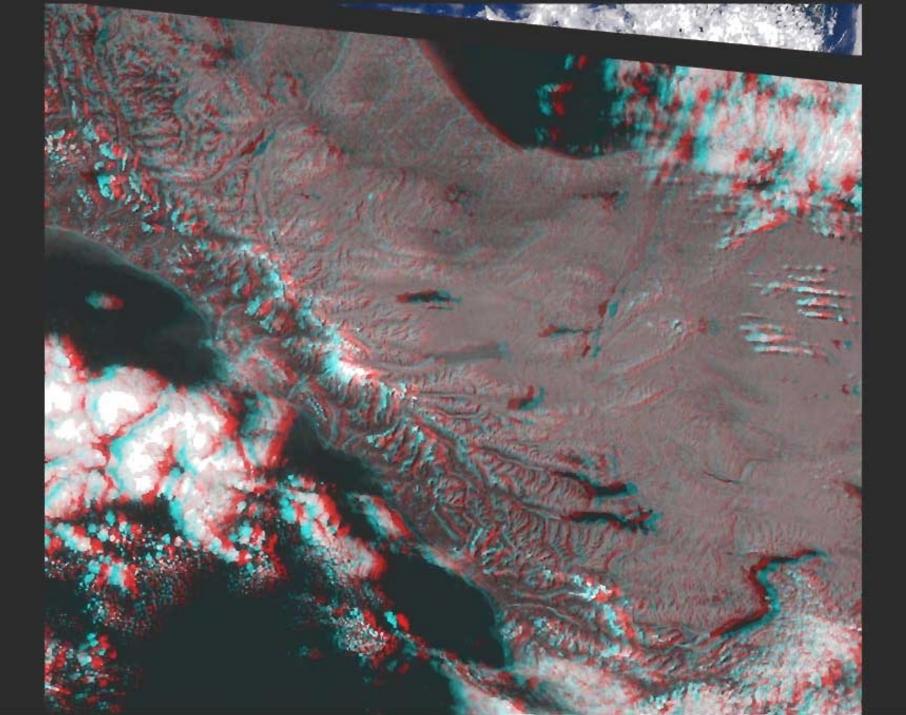


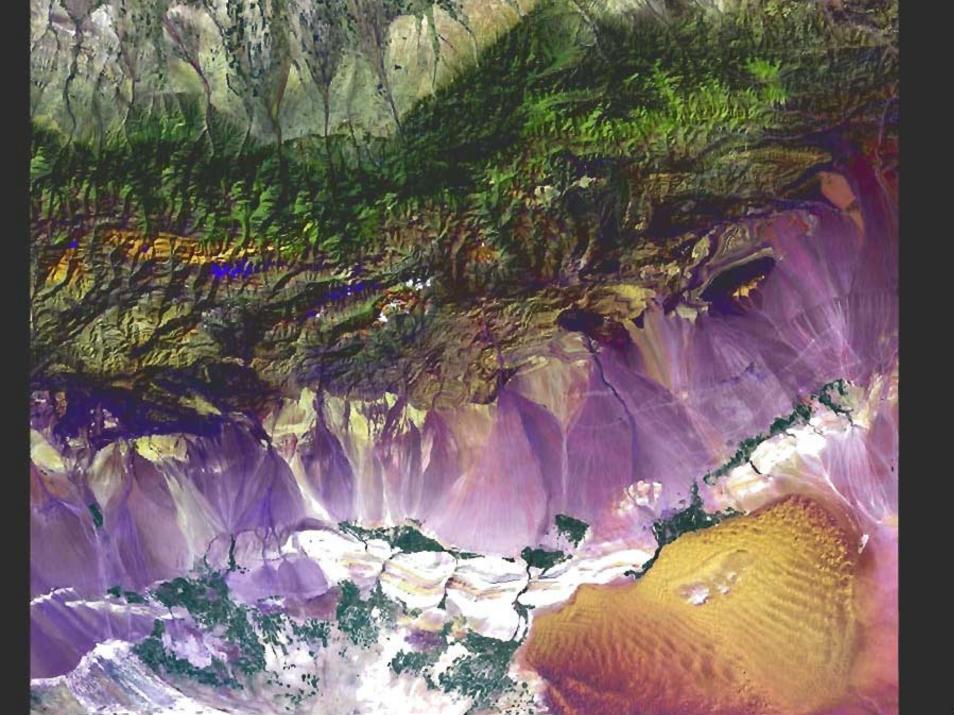




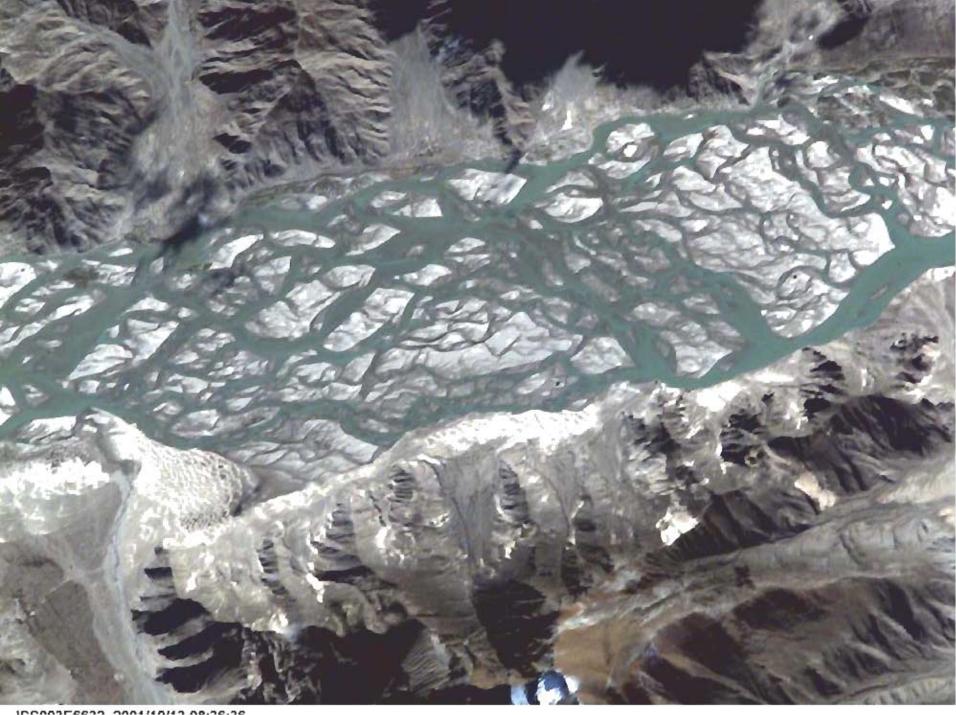


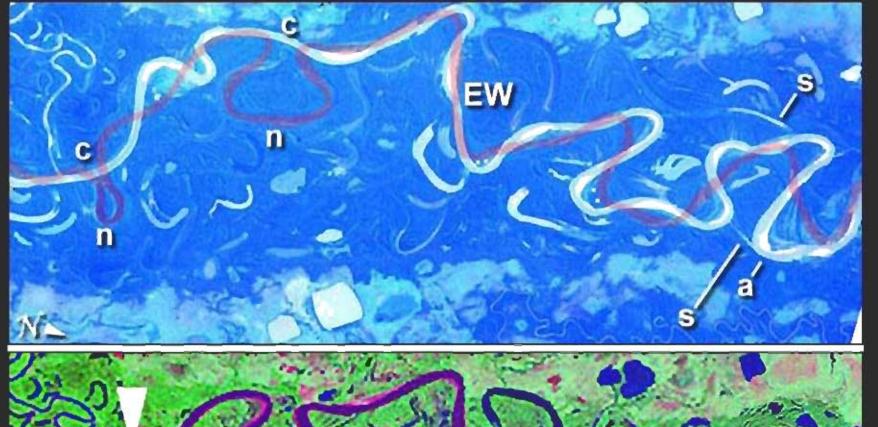




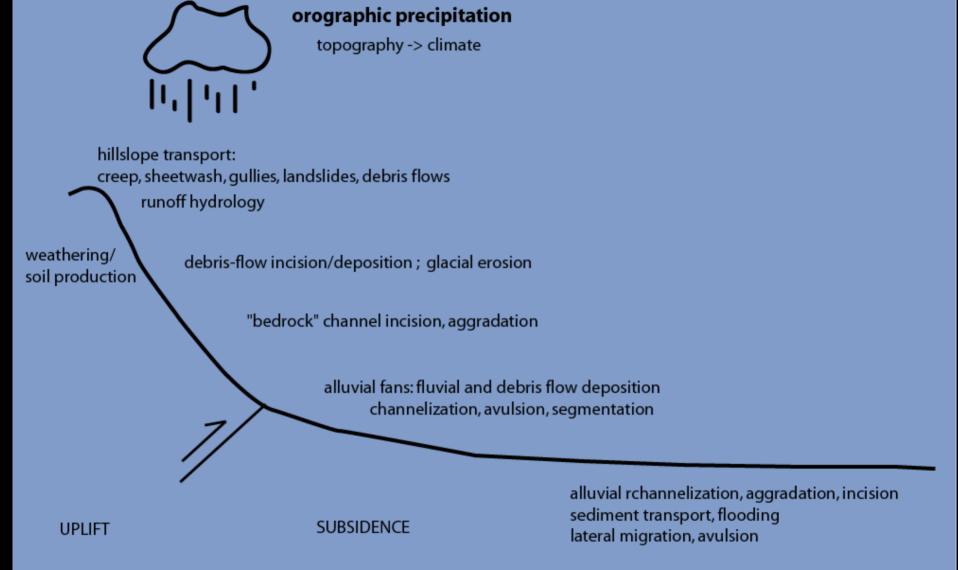








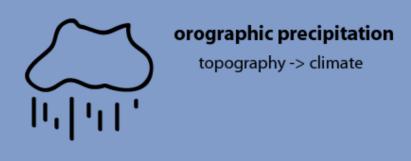




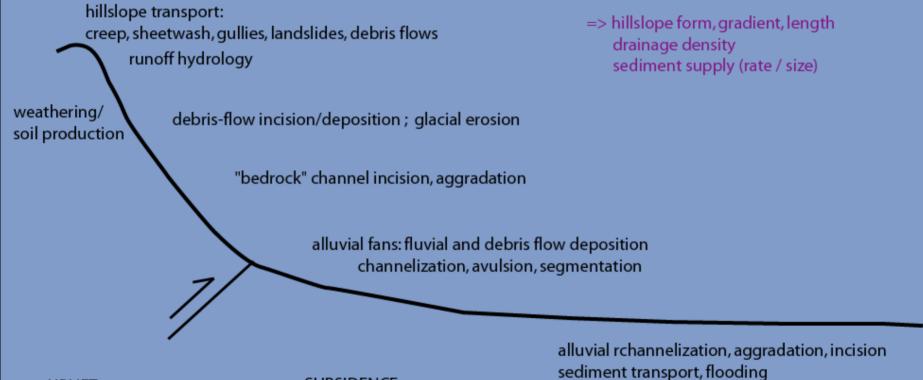
## isostacy, flexure, deformation

erosion -> tectonics

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**SUBSIDENCE** 



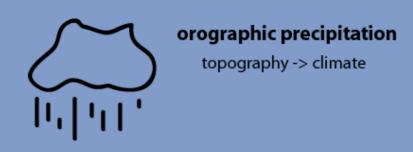
## isostacy, flexure, deformation

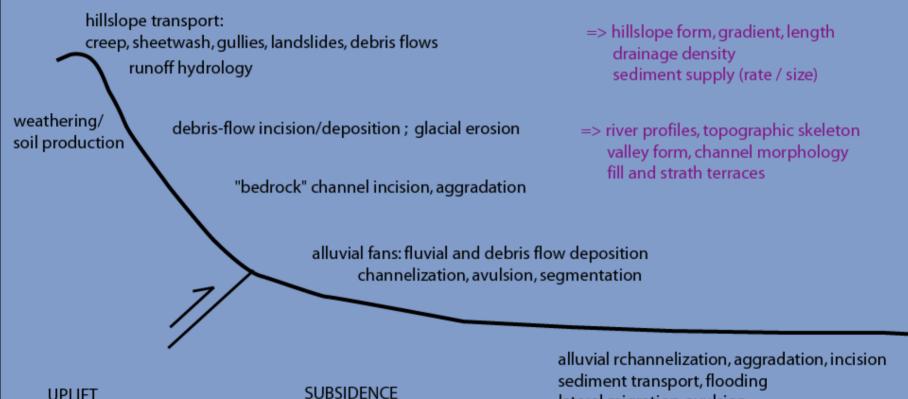
**UPLIFT** 

erosion -> tectonics

Image courtesy of Prof. Kelin Whipple. Used with permission.

lateral migration, avulsion





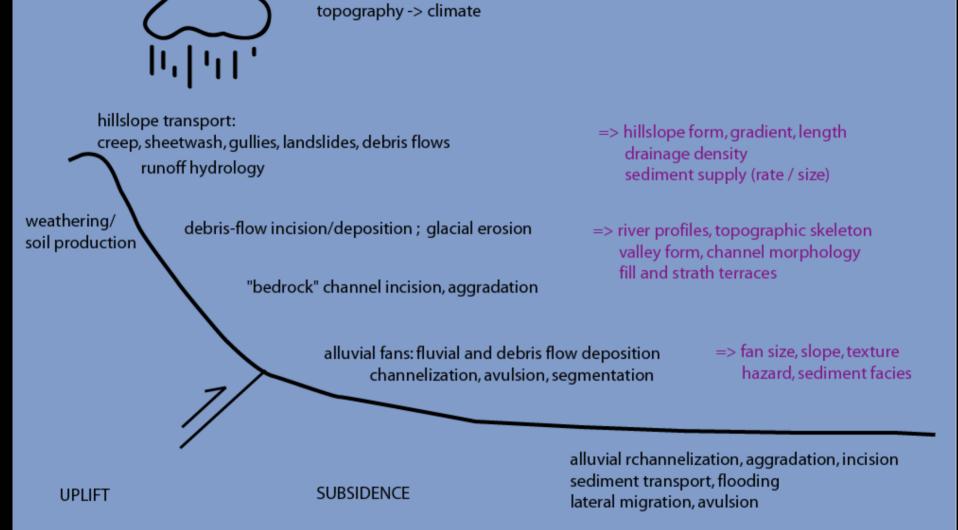
## isostacy, flexure, deformation

**UPLIFT** 

erosion -> tectonics

Image courtesy of Prof. Kelin Whipple. Used with permission.

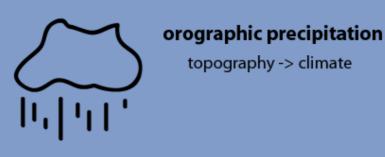
lateral migration, avulsion



orographic precipitation

## isostacy, flexure, deformation

erosion -> tectonics





- => hillslope form, gradient, length drainage density sediment supply (rate / size)
- => river profiles, topographic skeleton valley form, channel morphology fill and strath terraces
- alluvial fans: fluvial and debris flow deposition channelization, avulsion, segmentation
- => fan size, slope, texture hazard, sediment facies

UPLIFT SUBSIDENCE

alluvial rchannelization, aggradation, incision sediment transport, flooding lateral migration, avulsion

isostacy, flexure, deformation

erosion -> tectonics

=> channel slope, width, form, floodplain hazard, facies

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