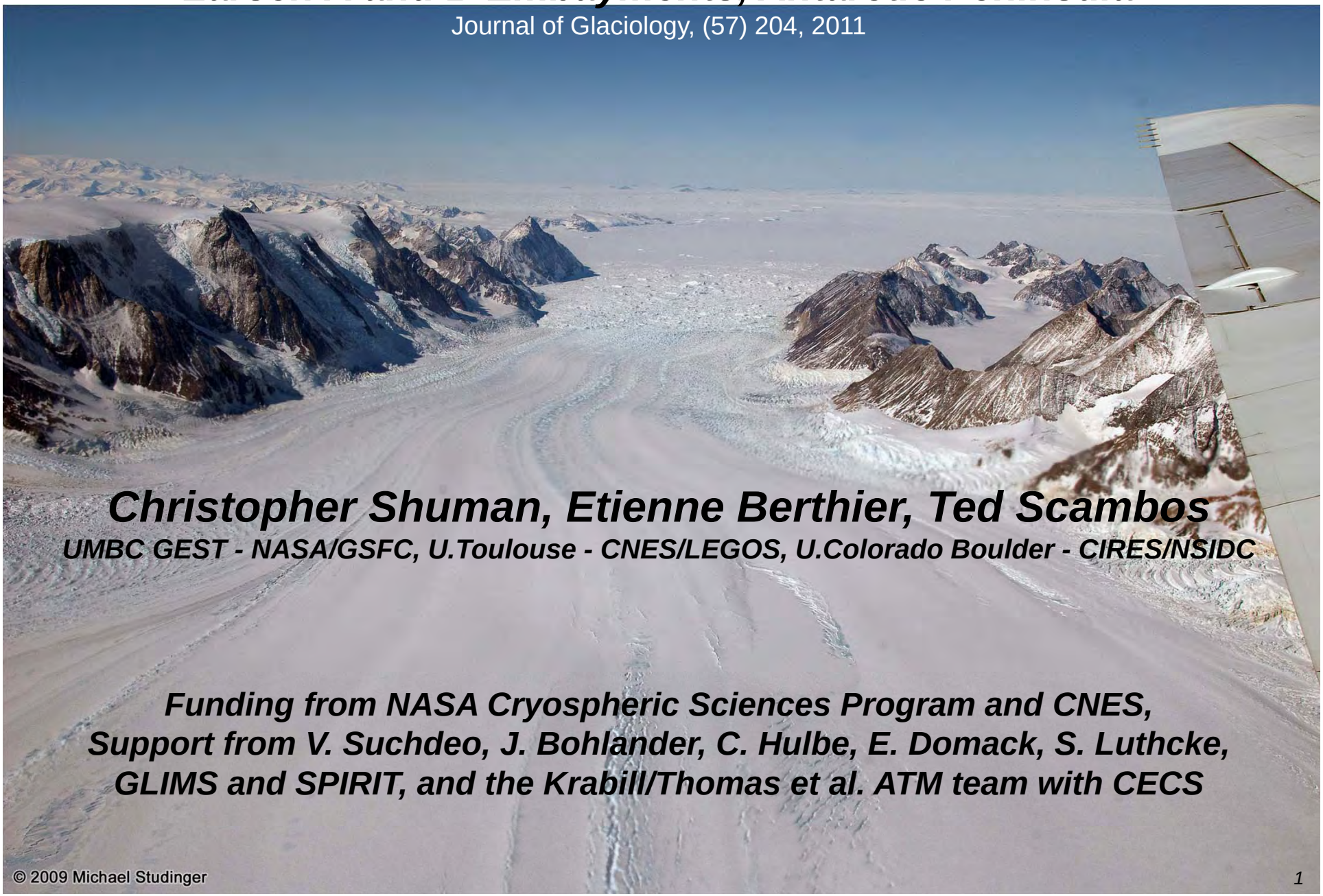
2001-2009+ Elevation and Mass Losses in the Larsen A and B Embayments, Antarctic Peninsula

Journal of Glaciology, (57) 204, 2011



Christopher Shuman, Etienne Berthier, Ted Scambos

UMBC GEST - NASA/GSFC, U.Toulouse - CNES/LEGOS, U.Colorado Boulder - CIRES/NSIDC

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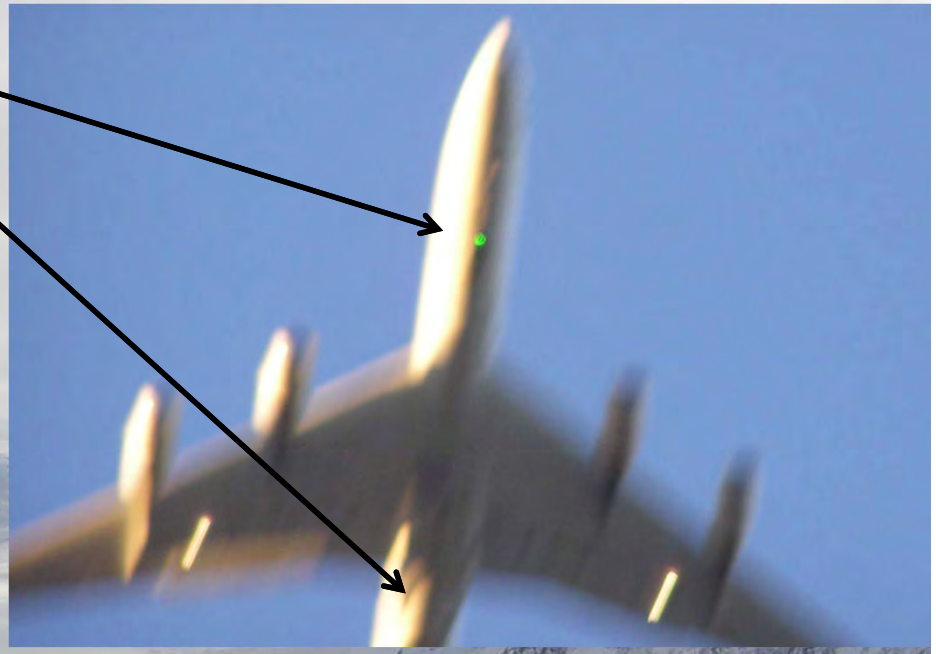
Laser Altimeters on Operation IceBridge (2009-10)

Airborne Topographic Mapper (ATM)
and
Land, Vegetation, and Ice Sensor (LVIS)
on NASA DC-8 in 2009



West Crane Glacier

South Crane Glacier

Larsen B Ice Shelf - Background

- **>3200 km^2 of Larsen B Ice Shelf area lost in ~6 weeks**
- **MODIS imagery time series used to track changes**
- **Loss of the ice shelf 'buttress' caused initial glacier velocity increases and substantial elevation losses**
- ***Imagery & laser altimetry data 2001-09 for time series***