

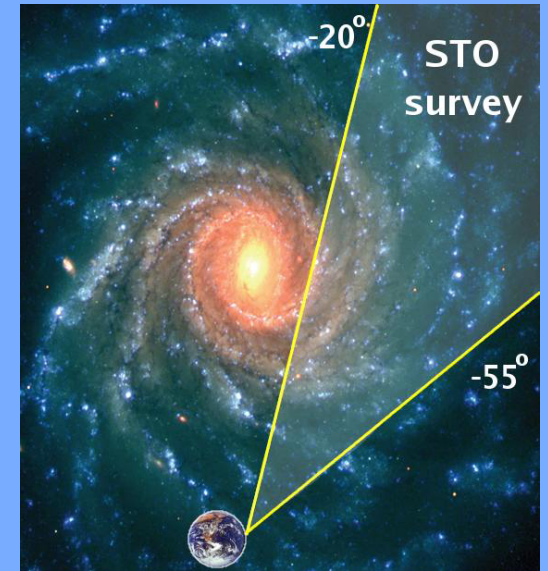
Stratospheric THz Observatory (STO)

ASU, UAz, JHU/APL, CIT/JPL, KOSMA, Ames, SAO, Oberlin , U.Maryland



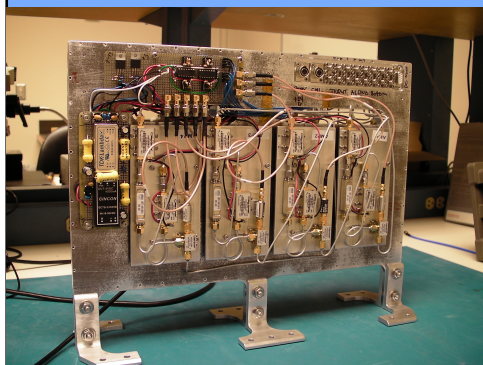
- LDB Platform
~30 day flights

- 0.8-meter telescope with two
- 4-pixel THz arrays
- platform for THz surveys



2009 – First Engr. Flight

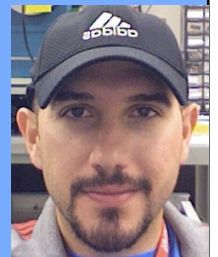
2011-12 - First Science
Flight : C+, N+ Survey



STO Amplifier
Box

Todd Veach, ASU

Todd Veach
Arizona State Univ.



Next Generation Detector Characterization and Testing

- Instrument Design:
 - Delta-doped CCD characterization
 - Currently working on a Modular Imaging Cell (MIC) design for a future mission
- Science Interests:
 - Observe massive star forming regions in UV/Visible wavelengths
 - Young Star Evolution
 - Debris Disks around Young Stars
- Institutions:
 - JPL
 - ASU