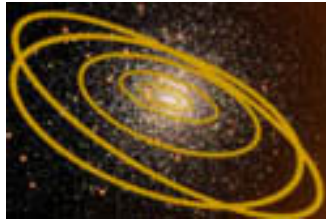


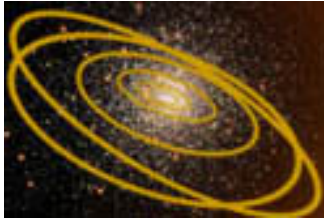
University involvement in NASA Science projects:

*Why: Fantastic science not possible
any other way!!*

*How: Develop new science concepts and
instruments, and manage, build, launch and
operate spacecraft instruments, and missions*



- *University teams have excellent record of success, especially very high science per dollar*
 - *But non- NASA standard management*
-



Operational Flight Instruments & Missions

RHESSI

FAST

CHIPS

Polar EFI

Wind 3DP

Cluster II EFW, CIS

Image FUV, WIC

Mars Global Surveyor ER

ROCSAT 2 - ISUAL

Ulysses LAN, HUR

FUSE

GALEX

SOHO UVCS & SUMER

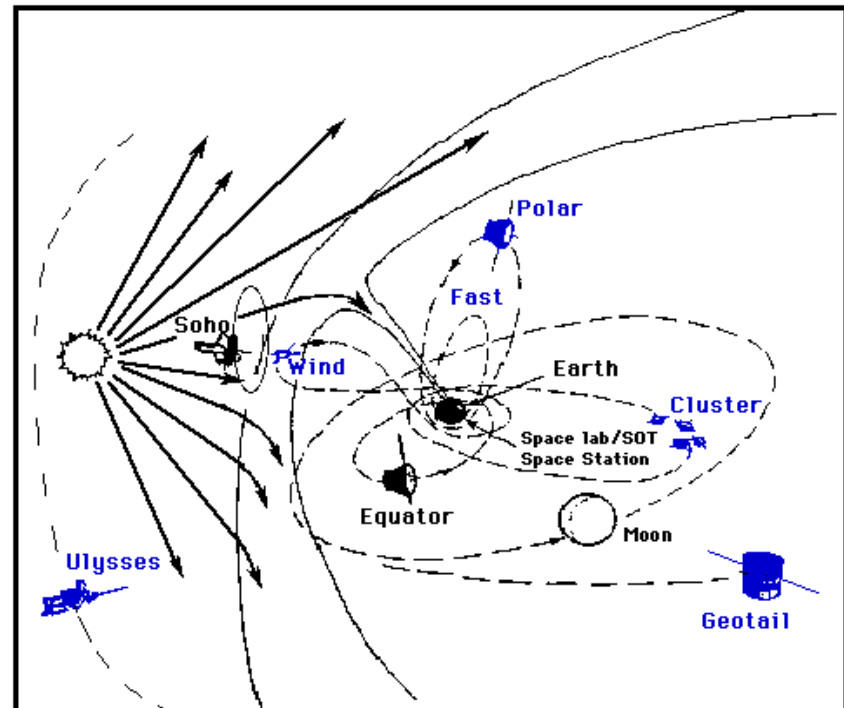
KITSAT SPEAR

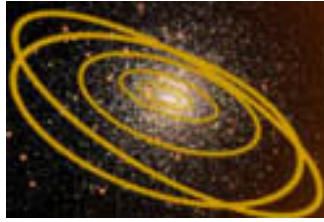
Under Development

HUBBLE - COS

STEREO - IMPACT

THEMIS





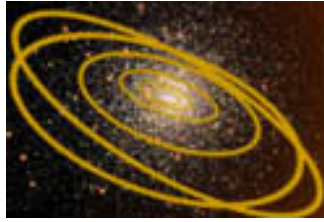
What's changed?

Fewer opportunities for University involvement in NASA science

⇒ *many University groups have disappeared*

⇒ *Long term problem for NASA?*

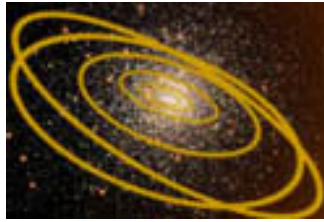
NASA criteria for selection have changed, since Mars failures and in the post-Columbia era



SPACE SCIENCES LABORATORY
UNIVERSITY OF CALIFORNIA BERKELEY

*NASA lack of trust in the way universities do
management,*

*Universities are NOT the problem, but they
are being required to meet the same new
standards*



How can universities compete in the new NASA environment?

- *Can university adapt? Change management at universities? Is that possible in an academic structure?*
 - *Is it possible for NASA to change its approach to universities?*
-



Provide a pool of experienced managers?

Provide needed financial management structure for
NASA science projects?
