

NASA Ames Research Center An Overview

Dr. Eugene Tu, Director

OFF THE EARTH, FOR THE EARTH.



EARTH *RIGHT* NOW

Your planet is changing. We're on it.



INTERNATIONAL Space Station

NASA'S JOURNEY TO

MARS



TECHNOLOGY DRIVES EXPLORATION



NASA

we're ^{OUT} there



NASA Centers and Installations



**Ames
Research
Center**

**Plum Brook
Station**

**Glenn Research
Center**

**Independent
Verification and
Validation Facility**

**Goddard Institute for
Space Studies**

**Goddard Space
Flight Center**

Headquarters

**Jet
Propulsion
Laboratory**

**Wallops
Flight
Facility**

**Armstrong Flight
Research Center**

**Langley
Research
Center**

**White Sands
Test Facility**

**Johnson
Space
Center**

**Michoud
Assembly
Facility**

**Stennis
Space Center**

**Kennedy
Space
Center**

**Marshall Space
Flight Center**

Ames is One of the Early NACA Laboratories



Joseph S. Ames



NACA

Langley

Ames

Lewis

Dryden

NASA

1915

1939

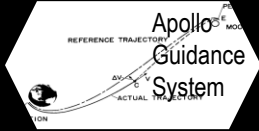
1940

1946

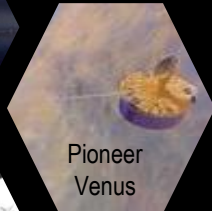
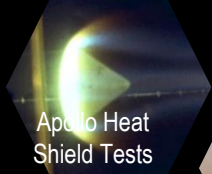
1958



75 Years of Innovation



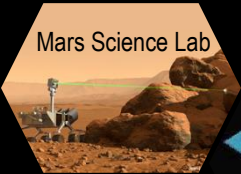
2015



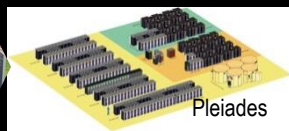
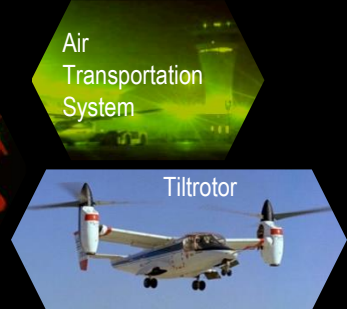
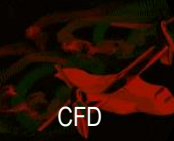
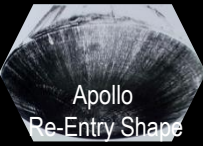
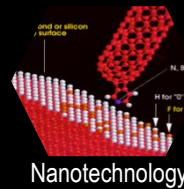
1980

1990

2000



1970



1940

Ames Research Center

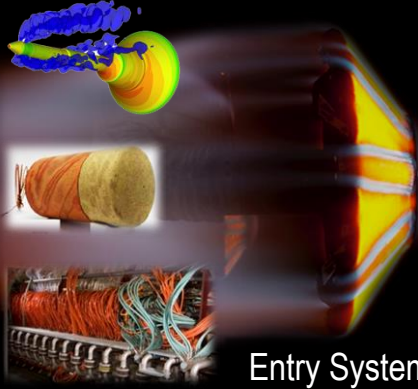
- Occupants: ~1130 civil servants; ~2,100 contractors; 1,650 tenants
855 summer students in 2016
- FY2016 Budget: ~\$915M (including reimbursable/EUL)
- ~1,900 acres (400 acres security perimeter); 5M building ft²
- Airfield: ~9,000 and 8,000 ft runways



Core Competencies at Ames Today



Air Traffic Management



Entry Systems



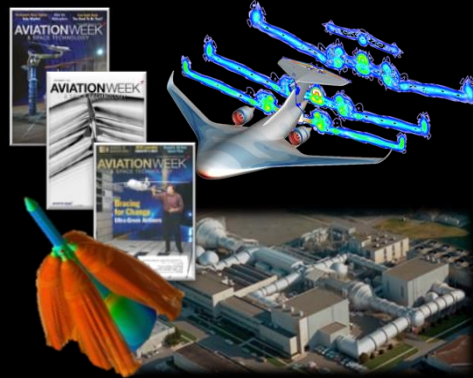
Advanced Computing & IT Systems



Intelligent/ Adaptive Systems



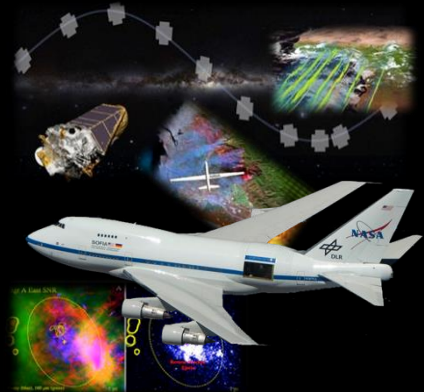
Cost-Effective Space Missions



Aerosciences

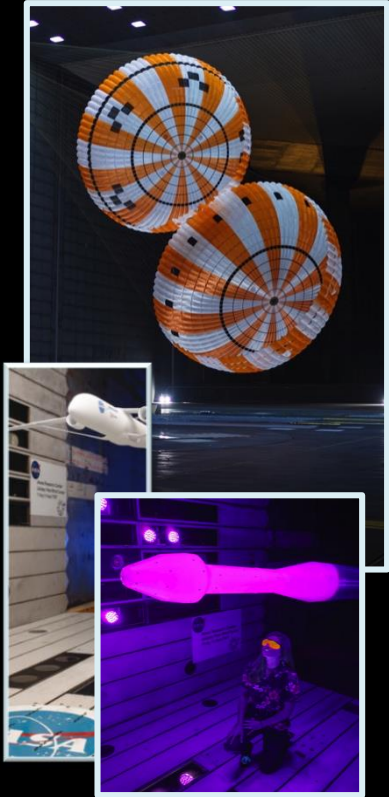


Astrobiology and Life Science

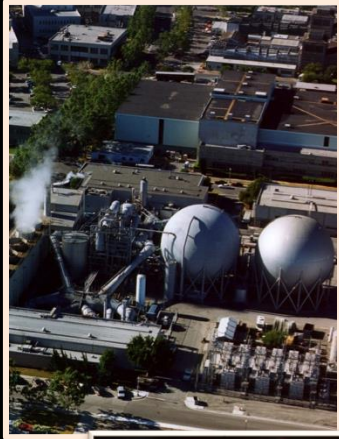


Space and Earth Sciences

Major Research Facilities



Wind Tunnels



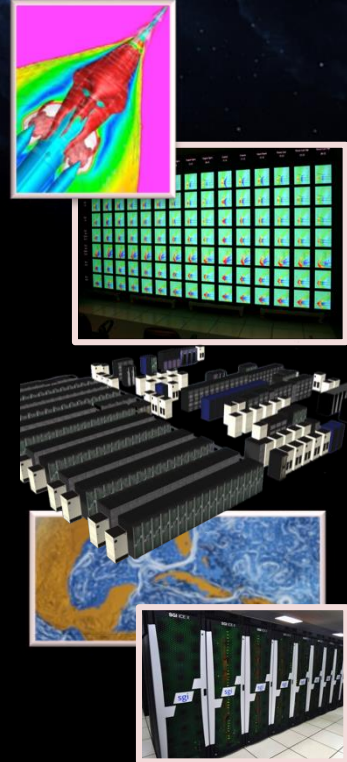
ARC Jet Complex



Range Complex



Simulators



Advanced Supercomputing

Partnerships at Ames

Commercial



Academia



Virtual Institutes



Inter-Agency



NASA Research Park



International

