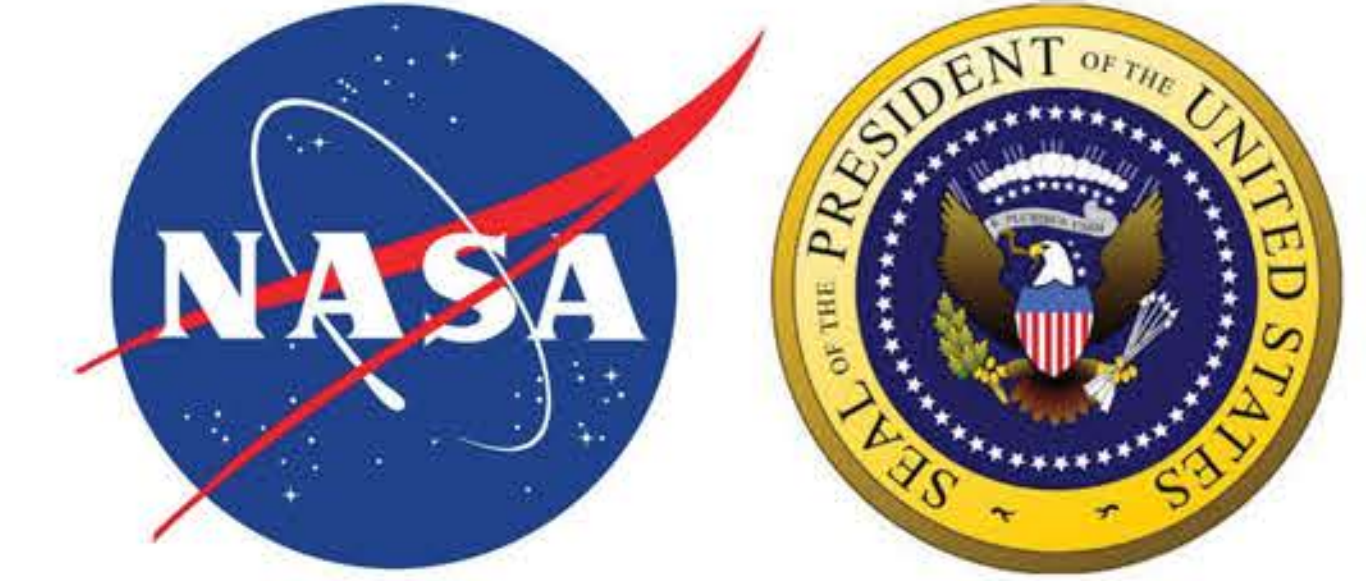


SPACE ANTHROPOLOGY

Jo Aiken, MA, PhD (C) jonie.m.aiken@nasa.gov
NASA Presidential Management Fellow



As an anthropologist at NASA,
I use cultural insights and ethnographic
methods to advance human spaceflight.
And I wear many hats (or space helmets)...

WHY ANTHROPOLOGY?

- To understand why people do what they do (in Space)
- Space has Culture too!
- International endeavor
- Methods are unobtrusive

WHY GRAD SCHOOL?

- To practice, perfect skills
- Career growth and mobility
- Builds legitimacy with clients
- Requirement of NASA position

MARKETABLE SKILLS:

- ✓ Interviewing & text analysis
- ✓ Survey design & analysis (Qualtrics, SurveyMonkey, etc.)
- ✓ Statistics (in R, in SPSS, in Excel, in whatever-they-have)
- ✓ Cultural insight (Inclusion programs are growing!)
- ✓ Qualitative *research*, useful data that is not just “anecdotal”

PROJECT HIGHLIGHT: TRUST + ROBOTS

Conducted ethnographic research on human-automation-robotic-interaction (HARI) for design of future Mars robotics*

- Interviewed astronauts, flight controllers, & trainers
- Observed current space missions & robotics operators
- Gathered lessons learned from military & aviation
- Delivered report on findings & design recommendations

*Ongoing



Organizational Development (OD) Specialist
Change Agent
Evaluator
Budget Manager
Facilitator
Leadership Coach
Designer
Morale Officer
Management Consultant
Statistician
Training Specialist
UX Researcher

PROJECT HIGHLIGHT: “HR REMIX”

Served on multi-disciplinary team to assess the redesign of the Human Resources department at JSC

- Interviewed stakeholders throughout the Agency
- Held focus groups with current HR employees
- Benchmarked best practices across similar orgs & industries
- Made recommendations for reorg & change management

