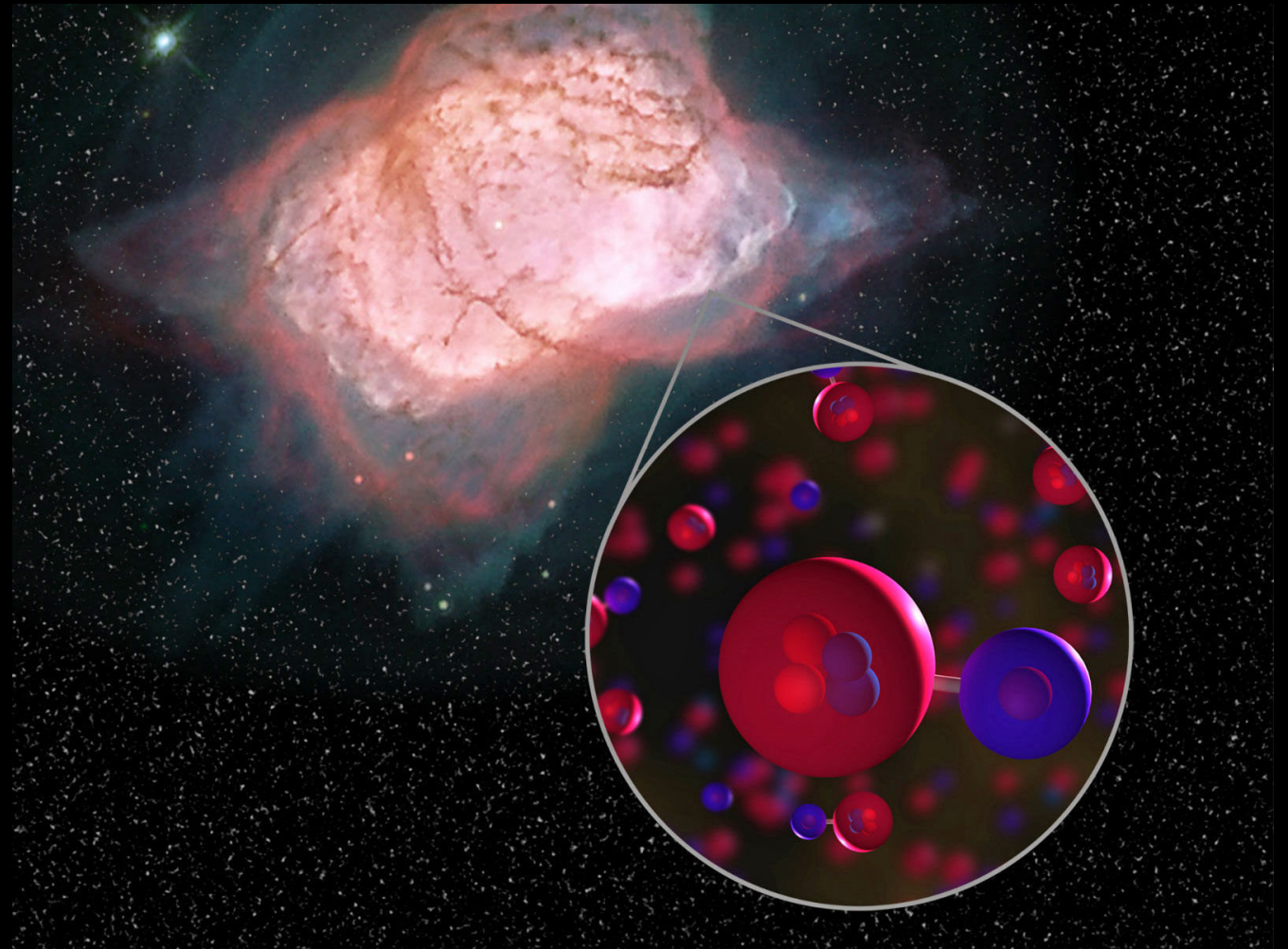


SOFIA Detects Helium Hydride

Research Productivity

Jim Jackson

November 4, 2019



NGC7027: SOFIA detects helium hydride

NASA/SOFIA/Symbolic
Pictures/Casadonte Group

Scientific Staffing Levels

- SMO currently employs 23 staff scientists, including Instrument Scientists and Senior Managers
- DSI currently employs 4 scientists based in California
- NASA employs a SOFIA project scientist and a deputy project scientist
- SMO currently employs 4 postdocs supported on grants
- SMO staff currently fall short of their allocated 20% research time
- SMO would like to hire more scientists and postdocs

Internship Programs

- BG Andersson hosted three undergraduate interns last summer through NSF funding.
- USRA is investigating hiring interns from University of Canterbury (New Zealand) to support southern deployment.

Publication Rate Enhancement Initiatives

- Build archival program (partnership with IRSA)
- Program selection:
 - Consider productivity when selecting programs
 - Consider risk when selecting programs
 - Consider average atmospheric conditions when allocating time (especially in New Zealand)
- Complete Legacy programs
- Engage Community to build new legacy teams
- Hire more postdocs (AAS Job Ad out now; 1st Postdoc hired)
- Provide more research time for staff scientists