

CURRICULUM VITAE

BRYAN BUTLER

Education

B.S. (double major - Computer Science; Electrical Engineering),
Utah State University, 1989
B.S. minors: Math; Physics
Magna Cum Laude
M.S. (Planetary Science), California Institute of Technology, 1991
Ph.D. (Planetary Science), California Institute of Technology, 1994
Thesis: 3.5-cm Radar Investigation of Mars and Mercury:
Planetological Implications
Ph.D. minor: Computer Science

Awards and Honors

Utah State University Club Scholarship, 1983-1987
National Merit Scholarship, 1983-1987
Outstanding Sophomore Physics Student at USU, 1984
Collegiate Academic All-American, 1986-1988
E.C. Anthony Fellowship, Caltech, 1989
Outstanding Student Paper, 1989 Fall Meeting of the AGU,
Planetology Section
Lewis A. Kingsley Fellowship, Caltech, 1991

Professional Experience

Programmer, Center for Space Engineering at USU, 1986-1988
Graduate Teaching Assistant, Caltech, 1989-1992
Graduate Research Assistant, Caltech, 1988-1994
Member of the Technical Staff, Jet Propulsion Lab, 1991, 1992
National Radio Astronomy Observatory, 1994-present
Jansky Postdoc, 1994-1997
Assistant Scientist, 1997-2000
Associate Scientist, 2000-2003
Scientist, 2003-2005
Scientist, Continuing Appointment, 2005-present
positions/duties/groups:
VLBA Support Scientist, 1997-1998
VLA K-band Upgrade Project Scientist, 1997-1998
Member of ALMA Science IPT, 1998-2004
Member of Data Management Science Working Group, 2000-2002
Head of ALMA Calibration Group, 2002-2004
Member of Scientist Performance Review Committee: Computational Science
(SPRC-CS), 2008-2013
Member of Observatory Science and Technical Council, 2011-2017
EVLA Project Scientist for Software, 2004-2005
EVLA System Engineer for Software, 2005-2006
EVLA Computing Division Head, 2006-2013
Group Lead: VLA/VLBA Science Support Group, 2013-2016
Division Head: VLA/VLBA Science Support Division, 2016-2020
Calibration Lead: ngVLA Project, 2020-2022
Member of Scientist Performance Review Committee (SPRC), 2021-2023

Professional	Member: AAS (and DPS), AGU, URSI, IAU Chair of URSI USNC Commission J, 2024-present.
Activities	Referee: Science, Nature, Icarus, JGR, Radio Sci., GRL, Ad.Sp.R, A&A, ApJ, ApJL Chaired sessions at national and international URSI, DPS and LPSC meetings. Reviewed proposals for Arecibo and JCMT telescope time. Reviewed proposals for NASA PG&G (panel), LSSO (panel), MFRP (panel), LASER (panel), DALI (panel), PAST (remote), PIDDP (remote), ROSES20 (remote) programs; on committees to select participating scientists for MARSIS, Kepler, and LRO missions; on committees to select New Frontiers mission; on committees to select Discovery missions; PI, Co-I or Collaborator on many NASA grants; science Co-I on SAR instruments for Chandrayaan-1 and LRO missions; science instruments for Chandrayaan-1 and LRO missions; science Co-I on New Horizons mission.
Publications	Refereed journal articles: 85; 5 first author. Almost 7000 citations (highest for one paper 723); <i>h</i> -index 36; <i>g</i> -index 83. Conference proceedings, book chapters, white papers: 34; 12 first author. NRAO memos: 54; 37 first author. Abstracts: 213; 60 first author.

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- Aggarwal, K., & 7 others, VLA/Realfast Detection of a Burst from FRB 180916.J0158+65 and Tests for Periodic Activity, *RNAAS*, 4, id.94, 2020
- Akins, A., & 6 others, Evidence of a Polar Cyclone on Uranus From VLA Observations, *GRL*, 50, id.e2023GL102872, 2023
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- Bassa, C.G., & 18 others, FRB 121102 Is Coincident with a Star-forming Region in Its Host Galaxy, *ApJL*, 843, L8, 2017
- Bhandari, S., & 25 others, Characterizing the Fast Radio Burst Host Population and its Connection to Transients in the Local and Extragalactic Universe, *AJ*, 163, 69, 2022
- Bonnefoy, L.E., & 13 others, Microwave spectra of the leading and trailing hemispheres of Iapetus, *Icarus*, 411, id.115950, 2024
- Bower, G.C., & 11 others, A Search for Molecular Gas in the Host Galaxy of FRB 121102, *AJ*, 155, id.227, 2018
- Brown, M.E., & B.J. Butler, Masses and Densities of Dwarf Planet Satellites Measured with ALMA, *PSJ*, 4, id.193, 2023
- Brown, M.E., & B.J. Butler, Medium-sized Satellites of Large Kuiper Belt Objects, *AJ*, 156, id.164, 2018
- Brown, M.E., & B.J. Butler, The Density of Mid-sized Kuiper Belt Objects from ALMA Thermal Observations, *AJ*, 154, 19, 2017

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- Butler, B.J., The Migration of Volatiles on the Surfaces of Mercury and the Moon, *JGR*, **102**, 19283-19291, 1997
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- Camarca, M., & 7 others, Thermal Properties of the Leading Hemisphere of Callisto Inferred from ALMA Observations, *PSJ*, **4**, id.142, 2023
- Chatterjee, S., & 24 others, A direct localization of a fast radio burst and its host, *Nature*, **541**, 58-61, 2017
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- Cosentino, R.G., & 5 others, Atmospheric waves and dynamics beneath Jupiter's clouds from radio wavelength observations, *Icarus*, **292**, 168-181, 2017
- de Kleer, K., & 3 others, Surface Properties of the Kalliope-Linus System from ALMA and VLA Data, *PSJ*, **5**, id.230, 2024
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- de Pater, I., & 5 others, Jupiter's ammonia distribution derived from VLA maps at 3-37 GHz *Icarus*, **322**, 168-191, 2019
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NRAO MEMOS

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