AMY E. KIMBALL

Office Address:

National Radio Astronomy Observatory 1003 Lopezville Rd Socorro, NM 87801 Contact Information: Office: +1 575-xxx-xxxx E-mail: akimball@nrao.edu

Employment History	 NATIONAL RADIO ASTRONOMY OBSERVATORY Associate Scientist (Mar 2020 - present) Manager: Pipeline Operations Support Group (Nov 2020 - present) VLA Sky Survey Head of Operations: supervise team of Scientists a Analysts in day-to-day tasks to ensure appropriate production and delivery of survey data products User support: HelpDesk; visitor support; update documentation; de lead lectures/tutorials at Data Reduction Workshops, Community Other observatory support: CASA development testing and validation technical reviewer for VLA observing proposals, other duties as assisted. 	timely evelop and Day Events ion,
	CSIRO ASTRONOMY AND SPACE SCIENCE Office of the Chief Executive Postdoctoral Fellow • Australia Telescope Compact Array (ATCA) user support, Duty As • ASKAP commissioning: test ASKAP data reduction with ASKAPSo • Facilitator of science Journal Club	
	 NATIONAL RADIO ASTRONOMY OBSERVATORY North American ALMA Science Center (NAASC) Postdoctoral Fellow ALMA data reduction: science verification data, Early Science data (hands-on and testing data-reduction pipeline) Software testing: CASA algorithms (simulations of ALMA data), ALMA data reduction scripts/pipeline, ALMA Observing Tool User support: led tutorials on ALMA proposals and data reduction maintained online CASAGuides documentation, staffed help-desk Organizer of weekly AGN Journal Club group 	
Education	UNIVERSITY OF WASHINGTON Ph.D. in Astronomy "Statistical Studies of Radio Sources with Multi-Wavelength Large Sky Dissertation Advisor: Dr. Željko Ivezić	Aug 2010 Y Surveys"
	UNIVERSITY OF WASHINGTON M.S. in Astronomy	Aug 2005
	UNIVERSITY OF MICHIGAN B.S. in Mathematical Physics and Honors Physics	May 2003

Honors	National Science Foundation Graduate Research Fellowship Achievement Rewards for College Scientists (ARCS) Fellowship Wiley Book Award: Outstanding achievement by undergraduate physic	2005 - 2010 2003 - 2006 ist $Apr 2003$
Research Experience	NRAO, SOCORRO, NM • Origin of Radio Emission in Radio-Quiet Quasi-Stellar Objects (PI) • various multi-wavelength studies of quasars (co-I)	2016 - present)
	 CSIRO, MARSFIELD, NSW, AUSTRALIA WISE infrared properties of AT20G 20-GHz radio sources ALMA submillimetre properties of luminous QSOs Multi-wavelength studies of the most luminous QSOs 	2013 - 2016
	 NRAO, CHARLOTTESVILLE, VA Radio Luminosity Distribution of QSOs: Star Formation and AGNs Radio-Intermediate Quasars in WISE and NVSS Dependence of Quasar Spectra on Radio Morphology in FIRST and SDSS 	
	 UNIVERSITY OF WASHINGTON, SEATTLE, WA Supervisor: Dr. Željko Ivezić Unified Radio Catalog from NVSS, FIRST, WENSS, GB6, and SDSS Radiative Transfer Modeling of IR Emission from Externally Heater A Search for Radio Stars in FIRST and SDSS 	2004 – 2010 d Dust Clouds
	NRAO, SOCORRO, NM Supervisor: Dr. Steven Myers • Developing an Automated clean Task for CASA	Jul – Sep 2009
	Los Alamos National Laboratory, Los Alamos, NM Supervisor: Dr. Przemysław Wozniak • Simulating the Detection Efficiency of RR Lyrae Stars in the NSVS	Aug – Sep 2004
	UNIVERSITY OF WASHINGTON, SEATTLE, WA Supervisor: Dr. Eric Agol • Observing the Einstein Cross with SIRTF	Oct – Dec 2004
	UNIVERSITY OF MICHIGAN, ANN ARBOR, MI Supervisor: Dr. Timothy McKay • Statistical Studies of Small-Scale Galaxy Clustering in the SDSS	May 2001 – Aug 2003
Computer Skills	Reducing/imaging astronomical data: CASA, AIPS, ASKAPSoft, IRAF, Developing/maintaining software: MacOS, Linux, Python, IDL, C, C+-	-

Familiarity with: SQL, MySQL, SVN, XML, HTML, Perl, R, AWK

Invited Talks	(entries marked * include financial support)	
& Colloquiua	University of Washington, Seattle (virtual, joint speaker)	4 Mar 2021
(selected)	* University of Nevada, Reno, NV	28 Feb 2020
	URSI Asia Pacific Radio Science Conference, New Delhi, India	Mar 2019
	"The Very Large Array Sky Survey"	
	* Drexel University, Philadelphia, PA	28 Feb 2019
	* University of Wisconsin, Madison, WI	27 Sep 2018
	The radio and X-ray connection in accreting objects, Monopoli, Italy	May 2018
	"Radio emission from radio-quiet QSOs"	
	New Mexico Tech University, Socorro, NM	26 Apr 2018
	* Goddard Space Flight Center, Washington, D.C.	10 Oct 2017
	US Naval Observatory, Washington, D.C.	11 Oct 2017
	University of New Mexico, Albuquerque, NM	10 Nov 2016
	* National Radio Astronomy Observatory, Socorro, NM, USA	1 Dec 2015
	* Max-Planck-Institut für Radioastronomie, Bonn, Germany	26 Oct 2015
	Instituto di radioastronomia, Bologna, Italy	19 Oct 2015
	Curtin University, Bentley, WA, Australia	5 Nov 2014
	University of Western Australia, Crawley, WA, Australia	4 Nov 2014
	Exploiting MWA surveys for extragalactic studies, Perth, WA, Australia	<i>Oct 2014</i>
	"Multi-wavelength identifications for low-frequency radio surveys"	
	Transformational Science in the ALMA Era, Charlottesville, VA	Aug 2014
	"Review of Quasars"	
	Macquarie University, North Ryde, NSW, Australia	14 Feb 2014
	CSIRO Astronomy and Space Science, Marsfield, NSW, Australia	18 Sep 2013
	* Stanford University, Stanford, CA	20 Aug 2012
	* The Institute for Advanced Study, Princeton, NJ	12 Jan 2010
	* National Radio Astronomy Observatory, Socorro, NM	24 Apr 2009
	National Radio Astronomy Observatory, Charlottesville, VA	22 Sep 2008
	* The Johns Hopkins University, Baltimore, MD	19 Sep 2008
Accepted PI	SUB-GALACTIC RADIO MORPHOLOGY OF RADIO-LOUD AND RADIO-	
Proposals	INTERMEDIATE QSOS	Aug 2021
Toposais	VLA: Allocated 8.09 hours at priority C in semester 2022A	11ag 2021
	VER. Theodold 0.05 hours at profiley of hi somester 20221	
	PROBING AGN-CORE/JET CONTRIBUTION TO RADIO EMISSION FROM RQQS	$Aug \ 2020$
	VLBA: Allocated 21.2 hours at priority C in semester 2021A	
	Constraining radio origin/morphology from radio-quiet QSOs	Aug 2018
	VLA: Fully allocated, 44.95 hours at priority A in semester 2019A	110g 2010
	CONSTRAINING AGN CONTRIBUTION TO RADIO EMISSION FROM RQQS	Feb 2018
	VLBA: Fully allocated, 19.65 hours at priority A in semester 2018B	
	Spectrally resolved CO $(2-1)$ in luminous QSO J1554+1937	Nov 2015
	VLA: Allocated 11 hours at priority B in semester 2016A	

	WEIGHING THE SUPER-MASSIVE BLACK HOLE IN QSO J1554+1937 P.I. Mark Lacy, NRAO [Australia-based PIs not allowed for FT mode] Gemini: Fully allocated, 1.4 hours Fast-Turnaround (FT) mode	Feb 2015
	Outflows/feedback in most-luminous QSOs in the Universe $Gemini$: Fully allocated, 19.5 hours in semester 2014B	Mar 2014
	Star formation / jet activity in most-luminous QSOs in Univ VLA: Allocated 8.5 hours at priority C in semester $2013B$	ERSE Feb 2013
	STAR-FORMATION ACTIVITY IN HOST GALAXIES OF THE MOST LUMINOUS QSOS IN THE UNIVERSE ALMA: Fully allocated, 4.6 hours in Cycle 1	Nov 2012
	Double-lobed radio quasars in BOSS SDSS III BOSS: Fully allocated, 2300 spectroscopic ancillary fibers	Jun 2010
Professional Memberships	 American Astronomical Society (AAS) International Union for Radio Science (URSI) Senior Member (formerly) Astronomical Society of Australia (ASA) Early Career Research Chapter, Women in Astronomy Chapter International Astronomical Union (IAU) Division B (Facilities, Technologies and Data Science) Division J (Galaxies and Cosmology) 	
Committees	 LOC co-chair, VLA Sky Survey in the Multiwavelength Spotlight Dissertation committee for the PhD of (Dr) Marialis Rosario-Franco, Physics and Applied Physics at UT-Arlington Orbital Evolution Studies and Radio Searches of Extra-Solar Moons Jansky Fellowship Committee, NRAO Various hiring committees at NRAO CASS Diversity Committee (inaugural member) Developed guidelines for inclusive policies for staff-organized events (e.g., workshops and conferences) Assisted in CASS application for bronze-level ASA Pleiades Award for committment to advancing women in astronomy [successful] SOC and vice-chair of LOC, Southern Cross Conference Series VII Powerful AGN and Their Host Galaxies Across Cosmic Time SOC and LOC Radio Astronomy in the LSST Era, NRAO, Charlotttesville, VA 	7-9 Sep 2022 Nov 2021 2017–2020 Aug 2014 – Feb 2016 16–20 Jun 2014 6–8 May 2013
	\circ Hiring committee for NRAO/NAASC post-doctoral fellow	Jan-Mar 2011

Working Groups	 VLASS Survey Science Group / co-chair of Science Communication VLASS Survey Science Group / co-chair of Extra-galactic working g ASKAP Evolutionary Map of the Universe (EMU) collaboration pro ASKAP Commissioning and Early Science Team (ACES) (former) ASKAP EMU(Genius Group ("EGG") (former) US Radio Futures, Galaxy Assembly Through Cosmic Time workin Radio-Galaxies subgroup of Galaxies and Cosmology working group Australian Astronomy Decadal Plan (2015–2025) (former) 	g group (former) g group (former)
Referee	 Technical reviewer, NRAO-VLA proposals (biannual since Mar 2016 Internal reviewer for NRAO call for "X"-proposals External reviewer for HST Cycle 30 External referee for 3 GMRT observing proposals (cycles 36, 37, 43) External referee for 1 JCMT observing proposal (semester 19A) I have refereed papers for the following journals: Monthly Notices of the Astronomical Society (MNRAS) The Astrophysical Journal (ApJ) Publications of the Astronomical Society of Australia (PASA) Journal of Astrophysics and Astronomy (JOAA) I reviewed a grant proposal for the National Science Centre of Pola for which I received a small remuneration. Two NSF grant review panels. (Timing and topic confidential.) 	, ,
Mentoring/ Teaching	 RESEARCH ADVISOR/MENTOR (GRADUATE STUDENTS) Erik Carlson, University of Rhode Island NRAO Graduate Student Intern, summer 2021 VLASS Single-Epoch Imaging Customization Marialis Rosario-Franco, University of Texas, Arlington NRAO Reber Fellow (joint NRAO co-advisor with Bryan Butler) Orbital evolution studies and radio searches for extra-solar moons Jesse Swan, University of Tasmania / CASS student Evolution of star formation and black hole activity across cosmic 	Apr 2015 – Feb 2016
	 RESEARCH ADVISOR/MENTOR (UNDERGRADUATE STUDENTS) Trevor McCaffrey, NRAO intern in 2020 and 2022 High-resolution VLA observations of Radio-Quiet QSOs Montana Williams, NSF-REU student NRAO Developing a VLBA proposal to observe radio stars Tiffany Christian, NSF-REU student NRAO 	May 2020 – present Jun – Aug 2018 Jun – Aug 2017
	 Identifying candidate radio stars by cross-matching data from FIRST, SDSS, WISE, PanSTARRS, Gaia Ivan Sadovoy and Arvind Hughes, Macquarie University Reducing ATCA data with CASA Gabriel Murphy, CASS summer student, CSIRO Searching for luminous, obscured radio quasars 	Aug – Oct 2015 Nov 2013 – Feb 2014

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Workshops Attended	Next-Generation VLA Technical Workshop, Socorro, NM .Astronomy 7 (Dot-Astronomy), Sydney, NSW Women in Astronomy Workshop 2015 (CAASTRO)	8–9 Dec 2015 3–6 Nov 2015 22–23 Jul 2015
	Writing Winning Scientific Proposals (CSIRO)	26 Feb 2015
	Looking Up, Looking Down: Interdisciplinary Approaches	17–18 Sep 2014
	to Remote Sensing, Image Analysis, and Data Visualization (AAO)	
	ASA Early Career Researcher Mentoring Workshop	2–3 Jun 2014
	Project Management Fundamentals (CSIRO)	5-6 Nov 2013
	Innovations in Data-Intensive Astronomy (NRAO)	3–5 May 2011
	National Virtual Observatory Summer School	6–14 Sep 2006
	NRAO Summer Synthesis Imaging Workshop	13–20 Jun 2006
	Summer School in Statistics for Astronomers & Physicists	6–10 Jun 2006