

Ariel Graykowski

agraykowski@seti.org,
ariel.graykowski@unistellar.com | Postdoctoral Fellow

[linkedin.com/in/ariel-graykowski](https://www.linkedin.com/in/ariel-graykowski)

EDUCATION	Doctor of Philosophy - Planetary Science <i>University of California Los Angeles - Earth, Planetary, and Space Sciences</i>	Sep 2015 – Jun 2022
	Master of Science - Geophysics and Space Physics <i>University of California Los Angeles - Earth, Planetary, and Space Sciences</i>	Sep 2015 – Jan 2018
	Bachelor of Science - Physics with an emphasis in Astrophysics <i>University of California Davis - Physics and Astronomy</i>	Sep 2011 – Jun 2015

INTERESTS Observational astronomy of small bodies of the solar system such as comets and asteroids

EXPERIENCE	Postdoctoral Fellow <i>SETI Institute</i> <ul style="list-style-type: none">• Advisor: Franck Marchis• Conducting citizen science projects with Unistellar	Jun 2022 – present
	Graduate Student Researcher <i>University of California Los Angeles - Earth, Planetary, and Space Sciences</i> <ul style="list-style-type: none">• Advisor: Professor David Jewitt• Projects: Color survey of the irregular satellites; Fragmented Comet 73P	Sep 2015 – Jun 2022
	NASA Earth and Space Science Fellow <i>University of California Los Angeles - Earth, Planetary, and Space Sciences</i> <ul style="list-style-type: none">• Advisor: Professor David Jewitt• Project title: "Systematic Investigation of Cometary Fragmentation"	Oct 2018 – Sep 2021
	Keck Visiting Scholar <i>W. M. Keck Observatory - Waimea, Hawaii</i> <ul style="list-style-type: none">• Advisor: Dr. Percy Gomez• Project: Observation and data reduction pipeline testing of NIRES on Keck II	Jul 2018 – Aug 2018
	Undergraduate Research Assistant <i>University of California Davis - Physics and Astronomy</i> <ul style="list-style-type: none">• Advisor: Professor Anthony Tyson• Project: CCD technology for the Vera Rubin Observatory	Jun 2014 – Jun 2015
	Undergraduate Research Assistant <i>University of California Davis - Earth and Planetary Sciences</i> <ul style="list-style-type: none">• Advisor: Professor Qing-Zhu Yin• Project: Mass spectrometer analysis of meteorites	Feb 2014 – Jun 2015

REFEREED PUBLICATIONS	A. Graykowski and D. Jewitt (2021). Split Comet 73P: Fragments 73P-B and 73P-G. In Prep.
	M. Vincent and A. Graykowski (2021). The Distant activity of Comet C/2011 KP36. In Prep.
	A. Graykowski and D. Jewitt (2019). Fragmented Comet 73P/Schwassmann-Wachmann 3. <i>Astronomical Journal</i> , 158, 112
	D. Jewitt, Y. Kim, J. Luu, and A. Graykowski (2019). The Discus Comet: C/2014 B1 (Schwartz). <i>Astronomical Journal</i> , 157, 103
	A. Graykowski and D. Jewitt (2018). Colors and Shapes of the Irregular Planetary Satellites. <i>Astronomical Journal</i> , 155, 184

GRANTS/ ACCOLADES	NASA Earth and Space Science Fellowship (NESSF)	Oct 2018
	Excellence in research Award - UCLA EPSS	Sep 2020
	Constantine and Perina Panunzio Scholarship - UCLA EPSS	Sep 2019
	Excellence in Teaching Award - UCLA EPSS	Sep 2018
	Extramural Award - UCLA EPSS	Sep 2018
	Dean's List - 2 semesters at UCD	2011, '12

TECHNICAL SKILLS	<p>Languages: C, Python</p> <p>Software: IRAF, MATLAB, Mathematica, Latex, Microsoft Office, Apple iWork</p> <p>Telescope: W.M. Keck Observatory - Keck I and Keck II, Kitt Peak national Observatory - WIYN 0.9 m, Lick Observatory - Workshop, 14-inch - UCD</p>	
SEMINARS/ CONFERENCES	<p>DART Boarder (Participated in DART Investigation Team Meeting)</p> <p>UMD Planetary and Exoplanetary Astronomy Lunch Seminar (PALS)</p> <p>UCLA Planetary Seminar, UCLA EPSS</p> <p>52nd Annual Division for Planetary Science Meeting - Oral</p> <p>Planetary Science Seminar, California Institute of Technology</p> <p>51st Annual Division for Planetary Science Meeting - Oral</p> <p>50th Annual Division for Planetary Science Meeting - Oral</p> <p>Gemini Science Talk, Gemini Observatory</p> <p>49th Annual Division for Planetary Science Meeting - Oral</p> <p>48th Annual Division for Planetary Science Meeting - Poster</p>	<p>Jan 2022</p> <p>Oct 2021</p> <p>2020, '21</p> <p>Oct 2020</p> <p>Jan 2020</p> <p>Sep 2019</p> <p>Oct 2018</p> <p>Jun 2018</p> <p>Oct 2017</p> <p>Oct 2016</p>
OBSERVING PROGRAMS	<p>Kitt Peak National Observatory</p> <p>- PI; HDI instrument on the WIYN 0.9 m telescope</p> <p>- Co-I (PI: Man-To Hui); HDI instrument on the WIYN 0.9 m telescope</p> <p>- Co-I (PI: David Jewitt); HDI instrument on the WIYN 0.9 m telescope</p> <p>W.M. Keck Observatory</p> <p>- Co-I (PI: David Jewitt); NIRES instrument on the Keck II telescope</p> <p>- Co-I (PI: David Jewitt); LRIS instrument on Keck I telescope</p>	<p>Dec, 2019</p> <p>Dec 2016, Mar '17, Dec '18</p> <p>Dec 2015</p> <p>Jun 2018</p> <p>Dec 2015, Sep '17, Jun '18</p>
MENTORING EXPERIENCE	<p>Maria Vincent, undergraduate</p> <p>University of California Los Angeles - Earth, Planetary, and Space Sciences</p> <p>- Project: Investigation of distant cometary activity</p>	2019-2020
TEACHING EXPERIENCE	<p>Teaching Assistant</p> <p>University of California Los Angeles - Earth, Planetary, and Space Sciences</p> <p>- Astrobiology (EPSS 3)</p> <p>- Introduction to Oceanography (EPSS 15)</p> <p>- Evolution of Cosmos and Life (CLUSTER 70a, 70b, 70c)</p> <p>Learning Assistant</p> <p>University of California Davis - Mathematics and Science Teaching (MAST)</p> <p>- Worked alongside Teaching Assistants to lead undergraduate physics lab classes</p> <p>Tutor</p> <p>Mathnasium - Dublin, CA</p> <p>- Tutored students from grades 1 to 12 and consulted students' parents on their progress</p>	<p>2016, '18, '21, '22</p> <p>Mar 2013 – Mar 2014</p> <p>Jun 2013 – Sep 2013</p>
SERVICE	<p>Earth, Planetary, and Space Sciences Student Organization (EPSSSO) at UCLA</p> <p>- Role: Graduate Student Representative of the Graduate Student Relations committee</p> <p>Referee: Astronomical Journal, Planetary and Space Science</p> <p>Society of Women Geoscientists (SWG) at UCLA</p> <p>- Member</p> <p>AAS Division for Planetary Sciences (DPS)</p> <p>- Member</p> <p>Unlearning Racism in Geoscience (URGE) Pod member</p> <p>- Pod member of the CA Area pod and the UCLA EPSS Pod (website: https://urge.epss.ucla.edu)</p>	<p>2020 - 2022</p> <p>2019 - present</p> <p>2019 - 2022</p> <p>2015 - present</p> <p>2021 - 2022</p>
OUTREACH	<p>Contributor to Bill Nye's Great Big World of Science</p> <p>Speaker at DemoChicks</p> <p>Speaker at Dublin 4-H</p> <p>International Observe the Moon Night - UCLA EPSS</p> <p>UCLA's Explore Your Universe</p>	<p>Oct 2020</p> <p>Apr 29, 2021</p> <p>Feb 8, 2021</p> <p>Oct 2016, '18, '19</p> <p>2016, '17, '18, '19</p>