

Welcome

Bob Blum / Phil Marshall













- 4:00 4:10 pm Operations Director Welcome (Bob & Phil)
- 4:10 4:55 pm Construction update
 - 4:15 4:20 pm Construction Director welcome (Zeljko)
 - 4:20 4:40 pm Construction updates (Victor)
 - 4:40 4:45 pm WDA and DEI update (Sandrine)
 - 4:45 4:55 pm Q&A
- 4:55 5:05 pm Introduction Discovery Alliance (Beth)
- 5:05 5:15 pm Student poster pitches
- 5:15 5:30 pm Logistics for the week ahead (Ranpal & Melissa)



IMPORTANT SAFETY: In case of fire

Follow exit signs Get familiar with where exits are







Reminder - Code of Conduct



Project & Community Workshop 2023 7-11, August 2023 | Marriott University Park Tucson | Tucson, AZ

Agenda Register Travel & Venue Code of Conduct

Harassment and unprofessional conduct (including the use of offensive language) of any kind is not permitted at any time and should be reported to:

- Andrew Connolly (ajc@astro.washington.edu),
- John Franklin Crenshaw (jfc20@uw.edu), and/or
- Alysha Shugart (<u>ashugart@lsst.org</u>).



Rubin Observatory adheres to the principles of kindness, trust, respect, diversity, and inclusiveness in order to provide a learning environment that produces rigor and excellence. Check name-tags for these contact

Elbow/Fist Bump OK

Wear a mask if you want to!

Use the confidential email <u>rubin2023-covid@lists.lsst.org</u> to request a test, report your test results, or ask questions.

Need My Space



Handshakes OK

If someone is wearing a pin like this, and it indicates a low social battery, please give them their space or offer to restart the conversation at a later time.

If you feel unsafe at any time send an email to rubin2023-helpline@lists.lsst.org



Reminder - Virtual Participation



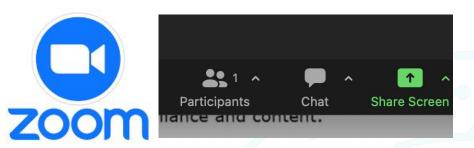
Virtual participants should be muted when they're not speaking.



In-person participants should speak into the room microphone(s), or the chair should repeat all questions into the microphone, so that the virtual participants can hear what is said.



In the Rubin2023_PCW Slack Space, all participants can use the session's channel for Q&A and discussion. The channel name convention is, e.g.: #day1-mon-slot3a-intro-to-rubin



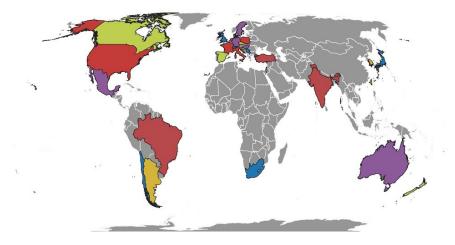
In Zoom, use the chat to:

- request to unmute to ask a question, or
- type your question so someone can speak it aloud.

The Zoom "raise hand" feature is generally harder for moderators to track, and is not preferred, but may be used at the discretion of the session chair.



13th PCW - Hosted by Operations for the first time



Map from Steve Margheim

~ 300 in-person participants
> 100 virtual participants
Contributions and Science
Collaborators on 6 continents

Meeting funded by

- NOIRLab
- Rubin Construction
- SLAC











ENERGY Office of Science



Construction Status

Ivezić/Krabbendam/Thomas













- the construction progress since the last PCW will be summarized by Victor in the next presentation, followed by WDA and DEI updates by Sandrine Thomas
- I will briefly summarize what is ahead for us and when we think we'll be done with the construction project (and transition into full operations phase, and then start LSST)



Before I continue, I would like to remind us that we lost our wonderful DM SQuARE team member from Tucson, Simon Krughoff, earlier this year.





Remembering Simon Krughoff

Andy Connolly (Seattle, July 29, '23):

"Simon changed my path through my career but more than just that he was a wonderful person to work with; smart, funny, kind, caring. His work changed how we do astronomy today. He was also loved and admired and respected by those he worked with."





• " a year from now":

Aug '24: "first photon" - if we ship the LSSTCam in Nov '23, as currently planned

• what is "first photon"? it is the very first image of night sky obtained with the LSSTCam



• " a year from now":

Aug '24: "first photon" - if we ship the LSSTCam in Nov '23, as currently planned

- what is "first photon"? it is the very first image of night sky obtained with the LSSTCam
- what happens after "first photon"?
- "formula 9+3+5" for activities after the LSSTCam arrives to the summit:
 - 9 months to complete integration and get the first photon image
 - 3 month to fine-tune the system and reach "system first light"
 - 5 months for further commissioning, including 2 months for science validation surveys

Not including schedule uncertainty and contingency. See later slides.



Current approximate forecasts:

If LSSTCam ships in November 2023, then:

- "a year from now": "first photon", Aug '24
- "a year and a half from now": early '25

DP1 - the first time Rubin data products, from System First Light, become available

- "two years from now": mid/late '25: the start of LSST
- "two and a half years from now": early '26:

DP2 - the first time scientifically exciting data products become available

• "three years from now": late '26

Data Release 1 - data products based on the first 6 months of LSST

These project phases/milestones will be discussed in much more detail during many sessions at this meeting.



These dates are only current forecasts, with at least "a few months" uncertainties

We need to acknowledge that:

- there is an effect we could call "adiabatic schedule forecast expansion", which appears as we start executing planned activities; so far it's been at least 10%, and hopefully it will remain under 25-30%
- then there are unpredictable events, we could call them "non-gaussian effects", or perhaps "departures from (thermo)-dynamical schedule equilibrium"... an example is a recent 2-month long stand down at SLAC due to an unpredictable event that insurance companies might call "an act of God"; in other words, it was totally outside our control...

Because of this, our schedule forecasts are still uncertain to at least a few months.



These dates are only current forecasts, with at least "a few months" uncertainties

The schedule uncertainties will significantly decrease as we:

- ship the LSSTCam from SLAC to the summit
- acquire "first photon" image
- achieve "system first light"
- execute "science validation surveys"...



"a year from now": Rubin's "first photon" image

"two years from now": the start of LSST scheduler-driven data taking

"three years from now": LSST Data Release 1

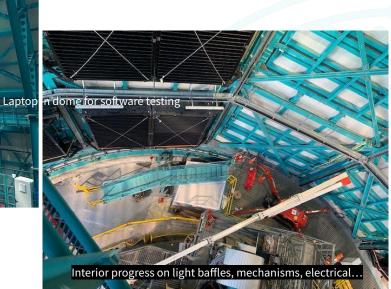
















TMA substantial Completion!!

It's not done but Vendor released to Rubin with Punchlist.

Marks full switch to System Integration



Refrigeration tubing is done! Pressure testing, flushing/cleaning, dry down leading to pathfinder startup.

1100 KVA generator arrived and installation in progress – Electrical shutdown week of 5 June





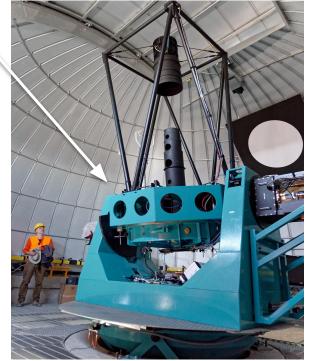


1.2 meter Auxiliary Telescope

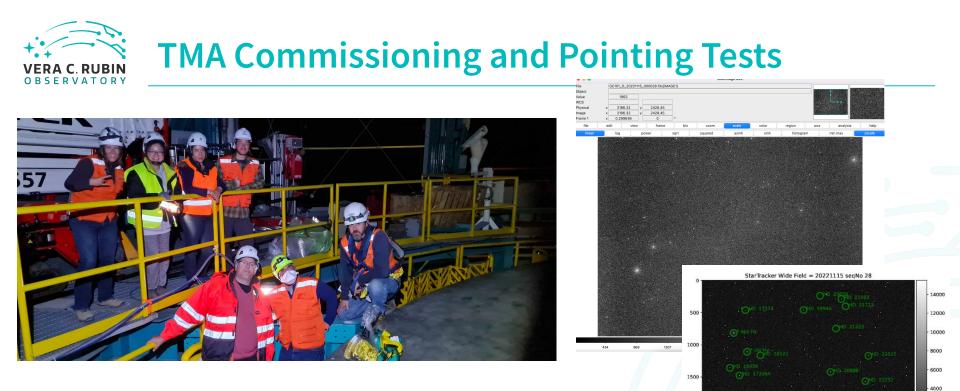




AuxTel is back in operation and key for DM and System Commissioning



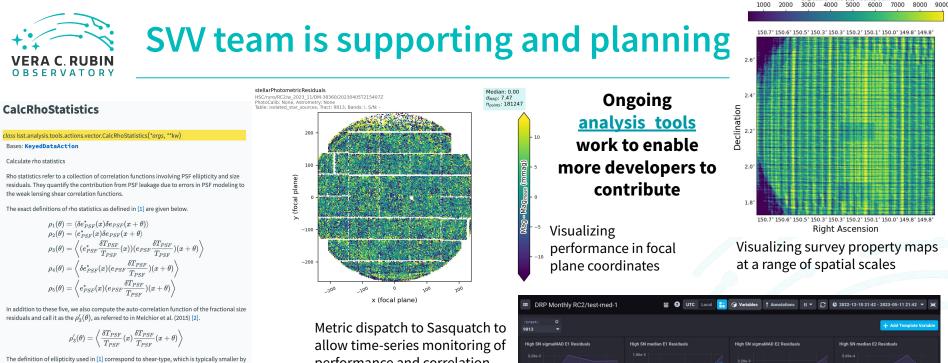
6'x5' gri coadd produced from ~30 overlapping visits with AuxTel in a dense stellar field around the Small Magellanic Cloud (Lauren MacArthur)



Night crew for first image. 4 Rubin staff and 3 in kind contributors (BNL, Duke, UCSC)

Vera C. Rubin Observatory | AURA Management Council | 18 - 19 May 2023

2000





a factor of 4 than using distortion-type.

[1] (1,2)

Jarvis, M., Sheldon, E., Zuntz, J., Kacprzak, T., Bridle, S. L., et. al (2016). The DES Science Verification weak lensing shear catalogues MNRAS, 460, 2245-2281 https://doi.org/10.1093/mnras/stw990; https://arxiv.org/abs/1507.05603

[2]

Melchior, P., et. al (2015) Mass and galaxy distributions of four massive galaxy clusters from Dark Energy Survey Science Verification data MNRAS, 449, no. 3, pp. 2219-2238. https://doi:10.1093/mnras/stv398 https://arxiv.org/abs/1405.4285

performance and correlation studies with system telemetry

API documentation, conceptual overviews, "how to" guides, and tutorials

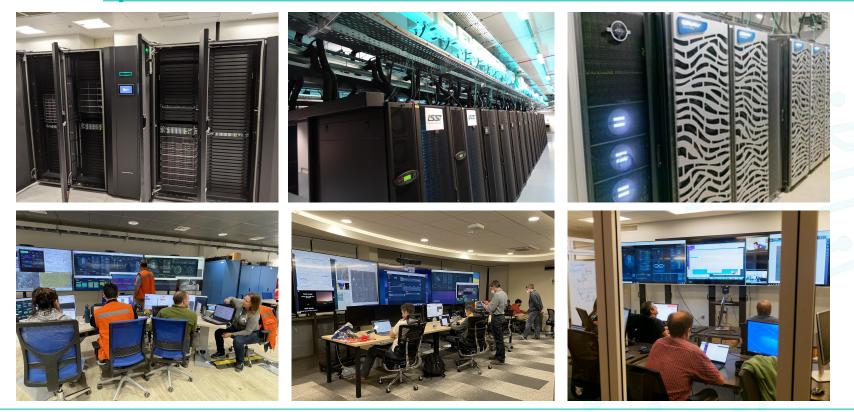


Vera C. Rubin Observatory | AURA Management Council | 18 - 19 May 2023

Acronyms & Glossary

Exposure Time (s), i-band, Sum

Data getting to USDF through DM pipelines and quickviews...



Acronyms & Glossary



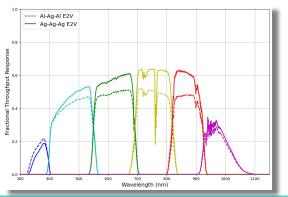


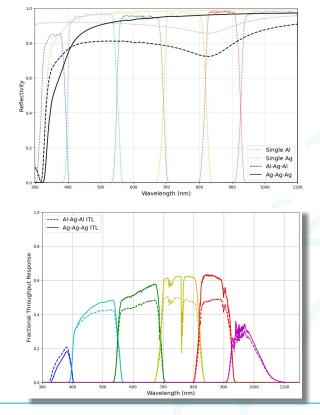
M1M3 and M2 Coating Options: Triple Silver (3Ag) or Aluminum+Silver (Al-Ag-Al)

3Ag significantly higher throughput in *g*, *r*, *i*, *z*, *y*, lower in *u* but still good

System optimization with as-built components, along with positive long-term coating stability studies.

Project is now moving toward baselining 3Ag



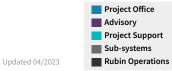


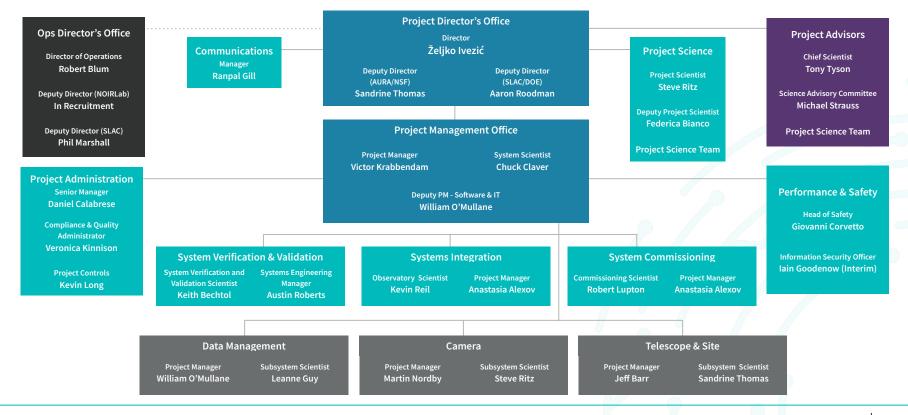
<1% changes in effective wavelengths

Acronyms & Glossary



Rubin Construction Org Chart

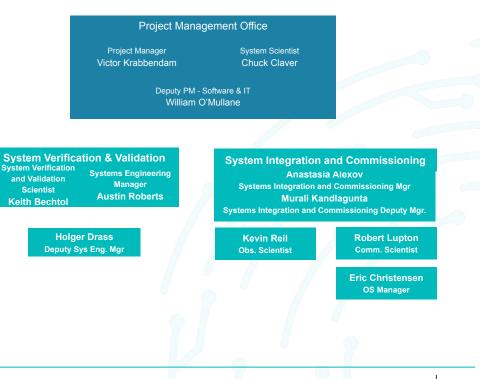






PMO / V&V / SIT / Com Updates

- Wil O'Mullane has relocated to Chile
- Anastasia Alexov has relocated to Chile and will manage SIT & Com
- Murali Kandlagunta joined from SLAC to support as Deputy SIT-Com Manager
- Eric Christensen hired as OS Manager
- Holger Drass promoted as Deputy System Engineering Mahager
- Not shown is the promotion of Sandra Romero as our Safety lead on the summit.





Construction Summary

- Construction effort is going a bit longer than expected
- We are making progress, safely!
- We will succeed.
- Thank you all for your support, patience, encouragement and enthusiasm.

Other items looking forward:

- Transition to Operations
- Celebrations







Building an Inclusive Rubin Ecosystem

Efforts continues on different fronts

- Workplace Culture Advocates
- Data Previews: reaching out to underserved institutions
- Increase forums to discuss IDEAs issues at various projects-community meetings
- Safety

DEI embedded in Rubin LSST EPO program

- Education investigations designed with low barriers for use & extensively tested with underserved audiences
- Website designed for accessibility & optimized for mobile devices
- Strategic use of social media to reach audiences traditionally excluded from science
- Citizen science infrastructure encourages IDEA initiatives from PIs



Building an Inclusive Rubin Ecosystem

Efforts continues on different fronts



- Funding for Childcare Support to attend the PCW and LSST@Europe5
- Inclusive Collaboration call for proposals
- Expansion Partnership Program

- Science Collaboration DEI Council: Connected to the project and representant in AURA and SLAC institution diversity advocates.
- Science Collaboration Efforts (Clarkson, Bianco and others)
 - SCs DEI councils
 - Reaching Underserved Institutions
 - Multi-SC program "Preparing for Astrophysics with LSST", PI Rachel Street





List of public slack channels available for discussions #inclusion-#rubin-be-kind #rubin-parents #lgbtgiaplus_and_allies_in_rubin #neurodiverse #rubin-scs-dei #desc-edi And most likely more... especially private ones.

Watch out for monthly announcement of topical discussions!

Create one and let people know!



Anonymous feedback and suggestions: https://ls.st/rubinideas

SOCIAL BATTERY LAPEL PIN

Available For Purchase Seek Out Alysha Shugart

Alysha will be here throughout the week, and at the following sessions: Tuesday, August 8, 2023 **"Allies across Rubin Support Session"** Madera 11:00 am - 12:30 pm

> Wednesday, August 9, 2023 "What's your beef with the hiring process?"

> > Madera 11:00 am - 12:30 pm

Friday, August 11, 2023

"Raising Awareness of Neurodiversity in the Rubin/LSST community"

Sabino 9:00 - 10:30 am



Payment Methods

PayPal: wolfchica2001@yahoo.com CashApp: \$AlyshaShugart Cold Hard Cash



- Monday 11am-12:30pm: LGBTQIA+ social event session
- Tuesday 11am-12:30pm: Allies across Rubin support system
- Tuesday 4pm-5:30pm: Fatigue mitigation program
- Tuesday 4pm-5:30pm: Enter the Rubinverse: Unlocking discovery & building community with citizen science.
- Wednesday 11am 12:30pm: What's your beef with the hiring process?
- Wednesday 11am 12:30pm: Supporting Science at small and/or underserved institutions
- Wednesday 2pm-3:30pm: Career pathways for students
- Wednesday 3:30pm-5pm: Unconference : "Discussion about Rubin values and code of conduct update" and any discussion you might want to have
- Friday 9am-10:30am: Raising awareness of neurodiversity in the Rubin/LSST Community



Discovery Alliance Beth Willman

LSST Corporation is now LSST Discovery Alliance



https://lsstdiscoveryalliance.org/

LSST Discovery Alliance

History

The LSST Corporation (LSSTC) was founded in 2003 as a not-for-profit 501(c)3 Arizona corporation to initiate the Large Synoptic Survey Telescope project and to advance the science of astronomy and physics.

University of Arizona, Research Corporation, University of Washington, and NOAO (now NOIRLab) were the founding organizations.

Today





Our goal is to maximize the impact of Rubin LSST through support from member institutions, grants from foundations, and donations from corporations and private donors. We are committed to changing how science is done, how it's funded, and who's at the table.

What we do - We facilitate resources and funding to help scientists study data of this unprecedented scale and complexity.

How we do it - We develop bold programs and funding opportunities that accelerate transformative breakthroughs in astrophysics through inclusion, scientific networks, and multi-disciplinary collaboration. We collaborate closely with Rubin Observatory and Science Collaborations.

Foundation Support: Schmidt Futures, Brinson, Heising-Simons, Templeton, Research Corp



https://lsstdiscoveryalliance.org/

CONTACT US →

Driving transformative discoveries in astrophysics

redit: CTIO/NOIRLab/DOE/NSF/AURA

A movie of the Universe is about to be made

Once the state-of-the-art <u>Vera C. Rubin Observatory</u> in Chile is completed in 2025, the <u>Legacy Survey of Space and Time</u> (Rubin LSST) will begin. The observatory and <u>camera</u> were designed to produce the widest, deepest, and most complete map of the Universe at incredible speed.



Current Programs



- **Catalyst Fellowship** This flagship program is a unique three- to four-year fellowship for post-doctoral researchers in both astrophysics *and* social sciences. (Director, J. Sokoloski LSST-DA)
- LINCC Frameworks Project This ambitious five-year program will develop advances in software infrastructure for the scientific community to help effectively analyze the enormous volume and complexity of Rubin LSST data. (PIs A. Connolly UW, R. Mandelbaum CMU, J. Sokoloski LSST-DA)
- **Data Science Fellowship** This innovative two-year training program develops diverse cohorts of astronomy students with the essential skills for science with large, complex datasets. (Director, A. Miller Northwestern)

Current Programs



- **Small Grants Program** Periodic calls for small grants are designed to provide members with agile and timely support to prepare for Rubin LSST science.
- Inclusive Collaboration Initiative This funded suite of programs incentivize inclusion through childcare support, best practices in inclusive collaboration, and institutional partnerships. (Connect with Beth if you would like to attend a sponsored focus-group lunch on Thursday to discuss.)
- Summer Student Program A program for students at member institutions to attend the annual Rubin LSST meeting, present LSST-related research, and receive professional development. (Director, R. Oelkers TAMU)



Student Lightning Pitches (1/2) Ryan Oelkers LSST-DA Summer Student Program Director

Vera C. Rubin Observatory | Operations PCW | 7-11 August 2023

19 undergraduates have been supported by the LSST Discovery Alliance to attend the 2023 Rubin Project & Community Workshop.

This morning, they enjoyed tours of the Richard F. Caris Mirror Lab and the NOIRLab machine shop.

Additionally, on Wednesday there is a breakout session dedicated to Career Pathways for students at **2PM in the Sabino room** – all are welcome to attend!

All of the 19 undergraduate students will present posters on their research projects related to Rubin / LSST right after today's plenary session and again after the Tuesday morning plenary.

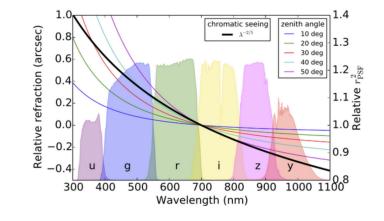
Today we'll hear a ~30-second "pitch" from the first half of the undergraduates and then you will have the opportunity to enjoy their posters and learn more about their research **from ~5:30pm** to **6:00pm**!

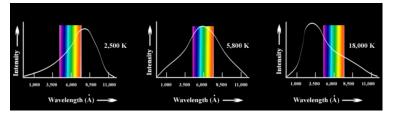
Zoryanna Alvarez | Cal-Bridge - Cal State SB / Stanford

Advisors: Pat Burchat, Sid Mau

Research question: I have been working on chromatic effects on the atmospheric point spread function (PSF) – in particular, measuring how PSF size is correlated with an object's color.

Outcomes: So far, I've looked at PSF size in r-band versus "g - i" color.





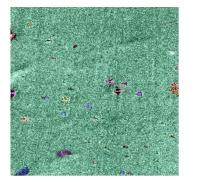


Rodiat Ayinde | Lincoln University University of Delaware; FASTLab

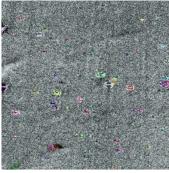
Advisor: Federica Bianco

Research question: Can MetaAl's Segment Anything Model recognize light echoes?

Outcomes: Adjusting hyperparameters for the model did not lead to successful recognition of light echoes. Future work includes transfer learning with the final layers of SAM on a dataset of light echoes.







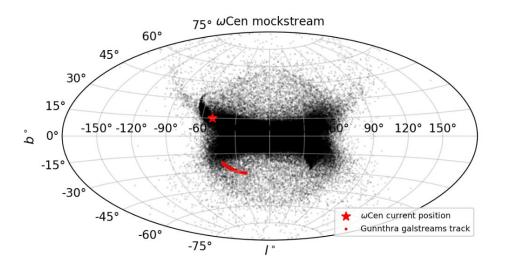


Aiden Cloud (they/them) | Columbia University

Advisor: Kathryn V. Johnston

Research question: Is the stellar stream Gunnthrá part of the tidal debris of the globular cluster ω Cen?

Outcomes: Gunnthrá is part of an extended structure of co-moving stars, likely of the same progenitor, and it is plausible that this progenitor is ω Cen.





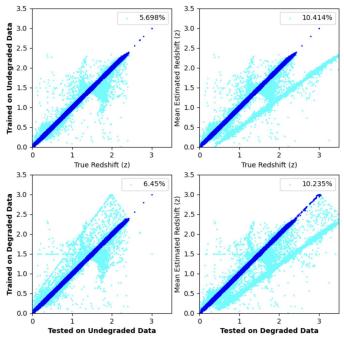
Alice Crafford | Carnegie Mellon University

Catastrophic Outlier Rates via Outlier Rejection in Line Confusion Degradation

Advisors: Rachel Mandelbaum and Alex Malz

Research question: How do discrepancies between photo-z training and test sets affect the performance of photo-z estimators?

Preliminary Outcomes: Training set non-representativity and incompleteness, as well as decreased training set size, increase catastrophic outlier rates and worsen other performance metrics, quantified in detail in our RAIL pipeline.





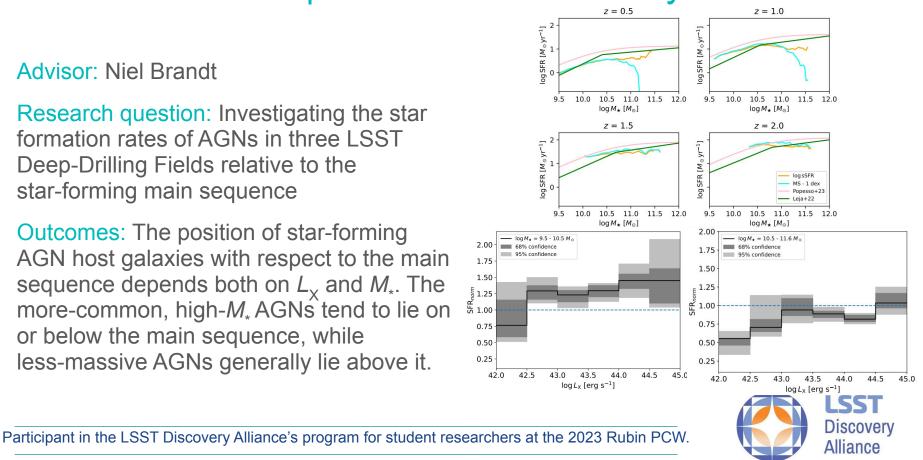
Participant in the LSST Discovery Alliance's program for student researchers at the 2023 Rubin PCW.

Nathan Cristello | Penn State University

Advisor: Niel Brandt

Research question: Investigating the star formation rates of AGNs in three LSST Deep-Drilling Fields relative to the star-forming main sequence

Outcomes: The position of star-forming AGN host galaxies with respect to the main sequence depends both on L_{\times} and M_{*} . The more-common, high-M, AGNs tend to lie on or below the main sequence, while less-massive AGNs generally lie above it.

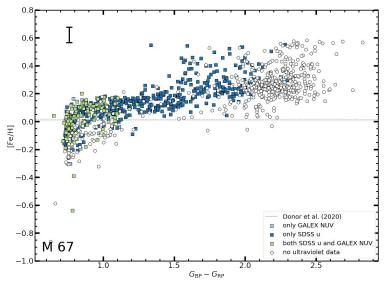


Keyi Ding | Johns Hopkins University

Advisor: Kevin C. Schlaufman

Research question: Accurate and Precise Photospheric Stellar Parameters from Rubin ugriz Photometry

Outcomes: Using main-sequence stars in open clusters, we show that isochrone fits to Gaia parallaxes, multiwavelength photometry, and reddening maps yield photospheric stellar parameters at least as precise as those produced by spectroscopic surveys.



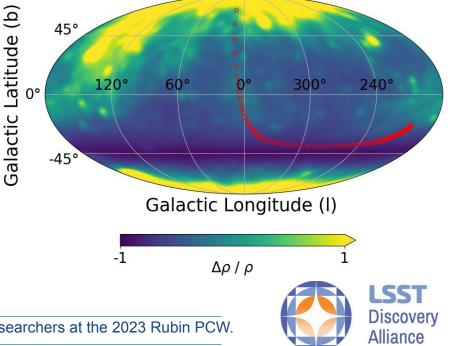


Andrew Eden | Florida Institute of Technology In collaboration with University of Pennsylvania

Advisor: Nico Garavito-Camargo

Research question: What is the density and morphology of the dark matter wake in the Milky Way stellar halo as seen by LSST?

Outcomes: Create mock catalogs of Milky Way stellar halos from simulations to inform us how the Vera Rubin Obs. will characterized the stellar wake induced by the LMC. All-sky Mollweide projection map of FIRE simulation data with satellite orbit in red.



Participant in the LSST Discovery Alliance's program for student researchers at the 2023 Rubin PCW.

Giovanni Gollotti | University of Washington

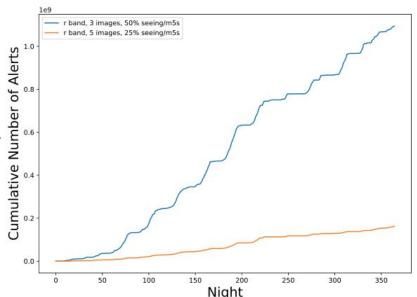
Advisor: Eric Bellm

Research question:

- What strategies are efficient at constructing coadded template images during LSST's first year of operation?
- How will the various strategies affect template generation timing and alert quantity?

Outcomes:

• Early template generation appears to produce the most alerts



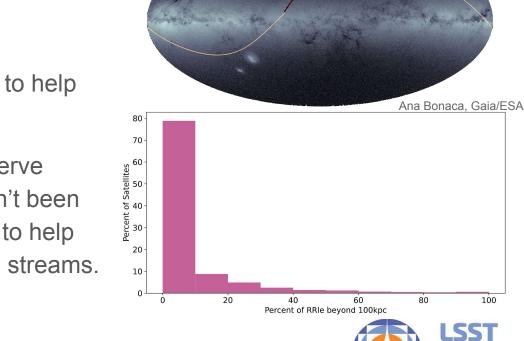


David Gonzalez | Columbia University

Advisor: Kathryn V. Johnston with StreamTeamTNG

Research question: Is LSST Likely to help detect new stellar streams?

Outcomes: LSST is unlikely to observe completely new streams that haven't been identified yet, but has the potential to help identify newer members of existing streams.



Discovery

Alliance

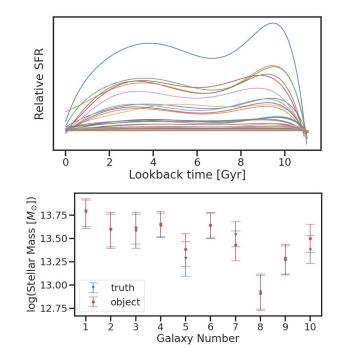


Denvir Higgins | Cal Poly San Luis Obispo

Advisor: Dr. Louise Edwards

Research question: Characterizing star formation history of brightest cluster galaxies (BCGs) through their spectral energy distribution

Outcomes: The fluxes from the truth summary and object catalogs have slightly different posterior distributions in dense_basis; however, both results are within the uncertainty of each data point (here, stellar mass).



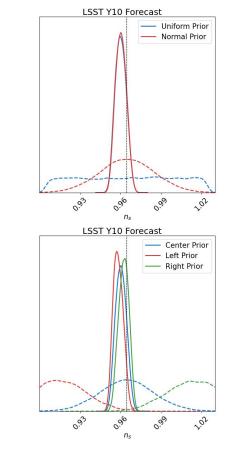


Kevin Hong | UCLA SULI at SLAC Stanford

Advisor: Agnès Ferté

Research question: How does the prior on the scalar spectral index (n_s) impact weak lensing measurements from LSST Y10? Will LSST Y10 be sensitive to n_s ?

Outcomes: MCMC chains with various priors show precise constraints on n_s . No difference can be seen between an informative Gaussian prior vs an uninformative flat prior. Normal priors shifted from the real value also shifts the posterior for n_s .





Participant in the LSST Discovery Alliance's program for student researchers at the 2023 Rubin PCW.



Logistics for the week ahead Ranpal Gill, Stephanie Deppe, Melissa Graham



Arizona 101!



Stay hydrated

a. It's dry here, avoid dehydration by drinking water throughout the day. Signs of dehydration: thirst, loss of appetite, fatigue or weakness, headaches and dry mouth. Alcohol increases risk of dehydration

Protect your skin

- a. Arizona sun can burn unprotected skin after only minutes of exposure.
 - Apply adequate sunscreen and refresh it after exercising, swimming or sweating.



Let wildlife be

a. Arizona desert is full of wildlife that can be dangerous. Coyotes, javalinas, bobcats, rattlesnakes, deer and cougars are not uncommon. Most will try to avoid humans, but could attack if threatened.

) Monsoon safety

- a. Now is summer monsoon season, rain can fall in the mountains and cause **flash flooding** in canyons miles away. Be aware of the weather, not just in your immediate area, but in the distance as well. Stay out of narrow canyons and dry washes where flash floods can occur.
- b. Monsoon season often brings violent **thunderstorms**, and **lightning** can strike miles from a cloud. Keep an eye on the sky and watch for storms if you're going to be outside. Remember: if you can hear the thunder, you are not too far away to be struck by lightning.



All plenary sessions are in Pima/Sabino/Madera - accessible remotely

When not in plenary Pima/Sabino/Madera function as 3 separate rooms

Breakout sessions which are remotely accessible are those in:

- Pima
- Canyon ABC

Only logged in AND registered attendees can see Zoom links



- Tea and coffee available 8am 5pm Monday Thursday
- Coffee break dietary/special items at registration desk
- Gender neutral bathroom follow signs for fitness center
 - Apologies, Gentle Ben's doesn't have one
- Nursing room 2nd floor key card from registration desk

- If you need flip charts, markers etc
- IT needs/requests
- Anything else!

Send a slack message on #pcw-help



Rubin PCW BINGO

- Hosted by Education & Public Outreach
- Pick up a card at the registration desk
- Have fun marking off squares throughout the week
- Bring your completed card to the EPO Open House on Thurs at 4:00pm
- You'll be entered to win a prize!





Introducing Rubin Cosmic Clips: Come talk to EPO about your work!

WHO

You! Yes, you.

WHAT

We're building a collection of videos of people talking about Rubin and its tech/science to use for building excitement over the coming ~18 months across social media and other digital products. **Come answer a few questions on camera for us!**

WHEN & WHERE

Throughout PCW → keep an eye on #pcw-announcements During and after unconference sessions on Wednesday At the EPO open house → Thursday @4p in Ventana

QUESTIONS?

Contact Stephanie Deppe on the LSSTC slack, the PCW 2023 slack, or at stephanie.deppe@noirlab.edu

How do you describe Rubin to your friends and family?

How do you explain what you do to your friends and family?

What excites you most about Rubin/LSST?

> What big question do you hope Rubin will answer about your field? What will Rubin do that other facilities can't?

What do you think is the coolest part of Rubin?



Monday

@5:30pm - Discovery Alliance supported undergraduate students

Tuesday

@10:30am onwards - Discovery Alliance supported undergraduate students

Wednesday

@10:30am onwards - contributed posters

Thursday

@10:30am onwards - contributed posters



Group photo - 5:30 (before heading to Gentle Ben's

- In-person hotel atrium
- Virtual upload <u>https://ls.st/psa</u>
- Wear your T-shirt!

Reception at Gentle Ben's - indoor and outdoor space

- Mingle and snack
- Adult beverages at your own cost





UNCONFERENCE

Write down your ideas - Popular topics will get chosen for larger rooms at the unconference.

Vote

Idea

Add your ideas for discussion topics to the board using the provided sticky notes & markers.

Wednesday

Vote for topics by Wednesday at lunch time. Topics will be assigned rooms by number of votes, by the end of Wed lunch. Participate in any session of interest!

Vote

Idea

No chairs are assigned. Consider volunteering to facilitate, take notes, or make a slide for the Friday summaries plenary.





An Introduction to the LSST Camera: Status & Performance

Aaron Roodman, Camera Program Lead, Rubin Construction Deputy Director, DESC In this talk I'll review the basic design of the LSST Camera, the largest digital camera ever built, with particular attention to some of its unique features and how they enable the LSST survey. The Camera's assembly is now complete and it is undergoing a final round of testing at SLAC prior to shipment to Chile later this fall. Recent and current work on the Camera will be described and I'll summarize results from the laboratory electro-optical testing program.



Supporting Scientific Excellence & Those Who Animate It Dara Norman, NOIRLab's CSDC Deputy Director

The Astro2020 Decadal Survey report, 'Pathways to Discovery in Astronomy and Astrophysics for the 2020s', was groundbreaking in its attention to addressing concerns of data access and the astro workforce in support of scientific excellence.

In this talk, I will discuss how many in the Rubin ecosystem and leadership are addressing these Decadal Survey recommendations. I will also highlight resources being developed to further promote best practices in collaborative research.



Reminder that session chairs and their speakers should:

- Session agendas should already be posted to the session pages.
- Upload slides to the session webpage in advance.
- Remote-ready rooms use the computer already hooked up to projector & Zoom.
 - Remote-ready rooms are Pima and Canyon ABC.
 - Ensure connection is working for virtual participants and monitor Zoom chat.
- Other rooms bring your own laptop and video dongle, test in advance.
- Keep speakers to time (5 min / 1 min warnings).
- Slack chat monitor the session's channel for questions for the speakers.
- Ask for help in the rubin2023pcw Slack space **#help** channel.
- Take notes and fill in the slide for your session for the Friday plenary.
 - Edit link to Friday slide deck: <u>ls.st/zt4</u>.









Travel and Transportation - Erin Carlson



Desk Availability this Week

Monday: after lunch - 4pm

Wednesday: after lunch - 4pm

Thursday: 8am - 4pm

Slack: #ecarlson

Whatsapp & Text: +1 520 490 9831



Organizing Committee





Franz

Bauer



Bianco



Blum

Ranpal

Gill



Burchat



Glenaver **Charles-Emmerson** Yumi Choi

Joseph Will Cockrum Clarkson



Crenshaw

Emily

Acosta

John Franklin Rachael Fosen Cutri

Stephanie Deppe





Linden Goodenow Hickey



Queenie Huang







Veronica Kinnison

Amanda Kocz







Matter



Rob McCormick McKercher



Metzger

Cathy Petry



Lubi Rasmussen



Rathfelder

Alysha Shugart





Soldahl

Cheri Winfield









Carol

Chirino



Enjoy the week!



This year the RRBs are *virtual and asynchronous* contributions about your Rubin-related work or research, posted in the Rubin Community Forum.

no deadline no live virtual session anyone may contribute all may view the RRBs at any time

Contributions could be a pre-recorded flash talk, a poster PDF, a slide deck, or a blog-post style Topic posted in the Community Form. Up to you! instructions

Find **instructions** and contributed RRBs from PCW attendees in the Rubin Community Forum: <u>community.lsst.org/c/sci/pcw-2023</u>

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Early Science session at the Rubin PCW 2022	0	45	5d





