



AmLight Next Frontier (NSF OAC-2537489)



*South American-African Astronomy Coordination Committee (SA3CC):
Welcome and Introduction
May 19-20, 2026*

Julio Ibarra, Principal Investigator

Agenda

Session I: Science Requirements & Activities Updates

9:10 – 9:30 Vera C. Rubin Observatory Operations (Bob Blum)
9:30 – 9:50 NOIRLab science programs (Stuartt Corder)
9:50 – 10:10 CTAO Astronomy (Gareth Hughes, Stefan Schlenstedt)
10:10 – 10:30 CTAO Data transfer (Leandro Ciuffo)

10:30 – 11:00 *Refreshment Break*

11:00 – 11:20 MeerKAT/SKA South Africa (Matt Hilton)
11:20 – 11:40 ALMA NRAO ((John Carpenter)
11:40 – 12:00 ngVLA (Chris Carilli)
12:00 – 12:20 ALMA Network Infrastructure (Jorge Ibsen)

12:20 -13:50 *Group photo & Lunch on your own (please see restaurant options below)*

13:50 – 14:10 FYST (a.k.a. CCAT) (Mike Nolta)
14:10 – 14:30 NOIRLab Data Management and Software division (Stuartt Corder)
14:30 – 14:50 EHT (Jason G SooHoo)
14:50 – 15:10 Simons Observatory (Josh Borrow)

15:10 – 15:40 *Refreshment Break*

15:40 – 16:00 Astronomy São Paulo (Eduardo Cypriano)
16:00 – 16:20 GMT0 (Alex Carciofi)
16:20 – 16:40 SOAR and Gemini LNA/MCTI (Eder Martioli)
16:40 – 17:00 Linea (Julia Gschwend)

Session II: Providers' updates

9:10 – 9:30 Vera Rubin Observatory Network (Cristian Silva)
9:30 – 9:50 NOIRLab – ITOPS (Mauricio Rojas, Eduardo Toro)
9:50 – 10:10 HPC Africa (Bryan Johnston)
10:10 – 10:30 SANREN/TENET Network (Ajay Makan & Renier van Heerden)

10:30 – 11:00 *Refreshment Break*

11:00 – 11:20 AmLight1: International links (Jeronimo Bezerra)
11:20 – 11:40 AmLight2: Monitoring and Measurement Improvements (Renata Frez)
11:40 – 12:00 REUNA (Albert Astudillo)
12:00 – 12:20 RedCLARA (Marco Teixeira)

12:20 -13:50 *Lunch on your own (please see restaurant options below)*

13:50 – 14:10 RNP (Auzio Hazin)
14:10 – 14:30 rednesp (Ney Lemke)
14:30 – 14:50 USDF data movement and multi-site processing (Wei Yang)
14:50 – 15:10 USDF infrastructure (Riccardo Veraldi)

15:10 -15:40 *Refreshment Break*

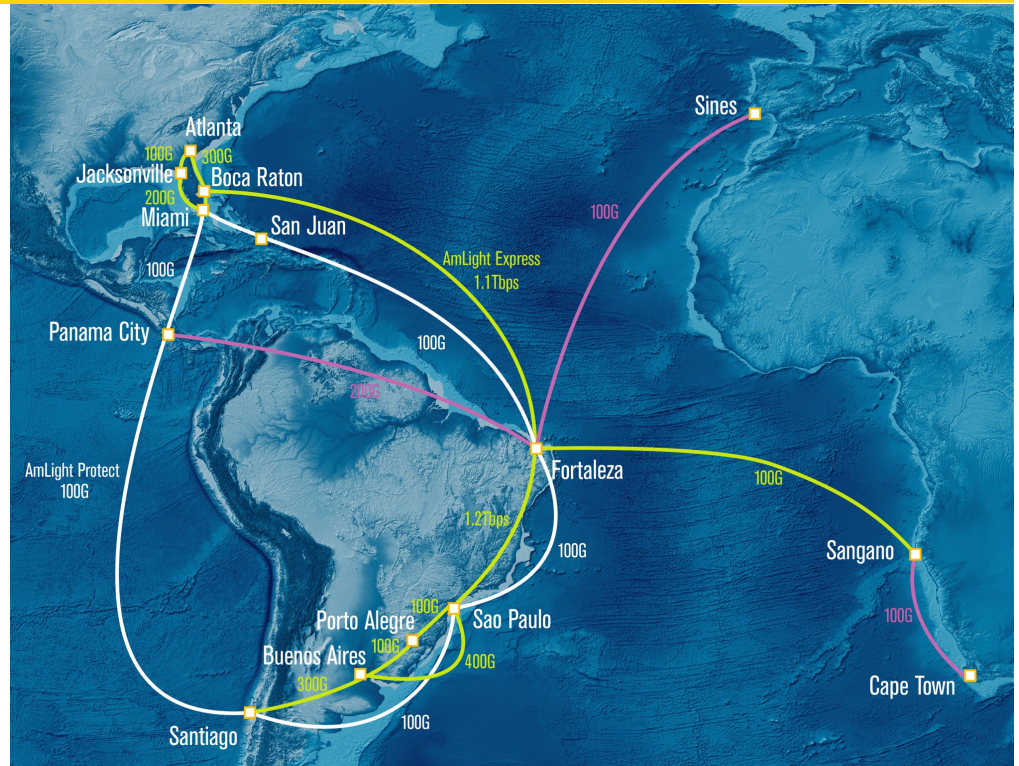
15:40 – 16:00 ESnet (Kate Robinson & Paul Wefel)
16:00 – 16:20 Internet2 (Chris Wilkinson)
16:20 – 16:40 Leadership Class Computing Facility (LCCF) (Jennifer Schopf)
16:40 – 17:00 Vera Rubin Alerts (Tom Matheson)
17:00 – 17:20 Open discussion

Angola Cables Data Center



AmLight: The Next Frontier Towards Discovery in the Americas and Africa

- **AmLight: The Next Frontier Towards Discovery in the Americas and Africa** is a new 5-year project awarded in 2025, (NSF award# OAC-2537489)
 - Operate and evolve a production-grade international R&E network
 - connecting major facilities and research communities across four (4) continents
 - Deliver workflow-aware networking
 - achieving the performance and reliability needs of large-scale science
- **AmLight Next Frontier Goals**
 - Advance intelligent and automated network operations
 - AI-assisted analytics and workflow-aware traffic engineering
 - Expand deep observability
 - INT, optical telemetry, programmable data planes, and SmartNIC integration
 - Deliver trusted cyberinfrastructure for large-scale science
 - Resilient international infrastructure supporting Rubin and global science workflows



Thank you to our Partners and Collaborators



About SA3CC

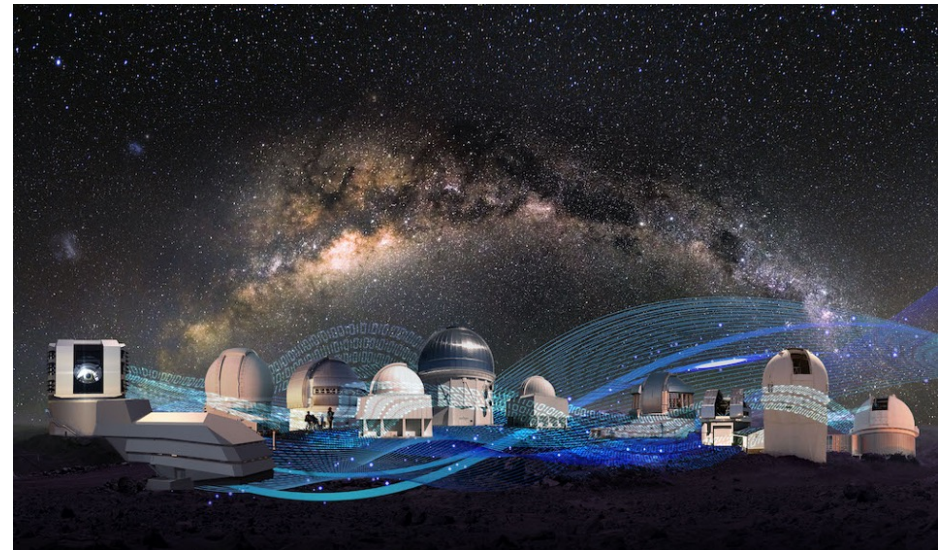


- SA3CC is in its 15th year!
- SA3CC is comprised of representatives from the various
 - Major Facilities operating observatories in South America and South Africa
 - The AmLight project, and operators of the Research and Education Networks (RENs) in South America, Africa and in the U.S.
- SA3CC Goals
 - To provide input and advice to AmLight and RENs on program and network needs
 - To serve as a venue for coordinating the network needs of astronomy projects and major facilities
 - To improve the resource planning and implementation of operational connections between distant facilities and users in the continental US



2025 SA3CC Report

- The [2025 SA3CC meeting report](#) is available at the AmLight project website
- Thank you to everyone who contributed to the report
- Special thanks to Dr. Vasilka Chergarova and Erick Gonzalez-Vega for leading the report writing effort



2026 SA3CC Program Committee



Bob Blum
Vera Rubin



Eduardo Grizendi
RNP



Ari Frazão
RNP



Rebeca Monteiro
Angola Cables



Vasilka Chergarova
FIU - AmLight



Julio Ibarra
FIU - AmLight

Thank You!

- Presenters and Participants:
 - Thank you for taking time in your busy schedules to participate in the SA3CC
- Hosts:
 - RNP: Program Committee, finding the venue, sponsoring breaks, technology support
 - Angola Cables: Program Committee, tour of the Angola Data Center and transportation
 - IFCE Innovation Hub for the venue and the use of their facilities
- Logistics and Local Arrangements:
 - Special thanks to Vasilka and her team for coordinating the presenters, venue and many logistical details
 - Special thanks for Bob Blum for his timely help with the agenda
 - Extra special thanks to Eduardo Grizendi, Ari Frazão, and Rebeca Monteiro for all the local logistics and arrangements



THANK YOU

