



# SAACC

## South American Astronomy Coordination Committee (of AmLight)

Julio Ibarra, PI, AmLight  
R. Chris Smith, Chair, SAACC

# “Charge”

- Given the extensive use of AmLight by the astronomical community, the AmLight PI will convene a South American Astronomy Coordination Committee (SAACC) that will be comprised of representatives from the various astronomy projects who are conducting projects or operating observatories in South America. ... The SAACC will serve not only to provide input and advice to the AmLight PI and the Steering Committee on program and network needs, but will also serve as a venue for coordinating the needs of these astronomical projects and institutions to improve their resource planning and implementation of operational connections between these distant facilities and users in the continental US.

# Goal I

- I) bring these key US Astronomy (and Physics) users together to discuss the needs of this community in South America over the next 5,10,15,20 years, in order to
  - Ia) provide the AmLight project appropriate information and guidance on the needs and use of network resources, and
  - Ib) coordinate usage of the network resources in order to optimize the network design and usage to make the best use of available resources (day/night, quality of service, traffic routing, etc.)

# Goal 2

- Create a bridge between the US network planning (AmLight and partners), the Regional RENs (CLARA, GEANT) and local RENs (REUNA and equivalents in Brazil and Argentina, if not others)
- 2a) at the highest level and user level, here we serve as stewards of the NSF's desire to encourage and support innovation in S.American countries. This was a theme of Obama's recent visit to the region, a MAJOR theme of Ed Seidel's visit, and a significant theme for the visit of the Director of the NSF.
- 2b) at the technical level (AmLight/Ampath, CLARA, REUNA, CENIC, etc.) we create an environment for coordination over the different physical networks for optimized traffic, as well as sharing of ideas and techniques among the technical partners.

# Goal 3

- 3) create a venue for international coordination of astronomical networking needs in the S.American region. Here we fold in our colleagues from ESO (La Silla, Paranal, ALMA, Armazones), as well as DES partners in England and Spain, ALMA partner in Japan, GMT partner in Korea, possible LSST partners in Europe and Asia, as well as smaller projects on Tololo, La Silla, and Las Campanas involving both European and Asian astronomical interests (AURA alone has German, Thai, Korean, Spanish, English, Brazilian, Canadian, Argentinian, and Australian participants!)
- 3a) provide venue for discussions at user level
- 3b) provide venue for discussions at technical level