



AmLight-ExP: AmLight Express and Protect

GLIF Americas Working Group
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AmLight Express and Protect (AmLight-Exp)

- AmLight-Exp is a project (2015-2020) of the National Science Foundation
 - Award# ACI-1451018
- AmLight-Exp builds upon the achievements of the AmLight project (2010-2015)
 - Award# ACI-0963053



Planned Activities

- Main Goals:
 - Introducing spectrum capacity between the U.S. and Brazil
 - Expanding leased capacity to 100G and different locations (adding Panama)
- Secondary Goals:
 - Enhancing the network operations using Software-Defined Networking
 - Engaging under- and grad- students in the SDN field



Current Status:

- AmLight Protected:
 - *2x100G links deployed from Miami to Sao Paulo in July 2016*
 - **Chile and Fortaleza** will enter the AmLight Protected 100G ring by October
 - 100G components were purchased and shipped to both locations
 - Ongoing efforts to activate **Panama** in 2018
- AmLight Express:
 - A Request for Proposal was written to purchase the DWDM solution to light up the spectrum from **Boca Raton/Florida to Sao Paulo/Brazil**:
 - Two pairs of 100G transponders will be activated by Feb/Mar 2018
 - A Request for Proposal was written to get **dark fiber and spectrum from Boca Raton to Miami** to establish an optical network in Florida:
 - AMPATH GOLE will be expanded from Miami to Boca Raton using the same DWDM solution



Current Status:

- SDN at AmLight:
 - *AmLight's SDN Looking Glass: Centralizing SDN monitoring for troubleshooting*
 - Wednesday, Sep 27th at 11:30 am

Thank You!
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