

Board on Infrastructure and the Constructed Environment

Committee on Analysis of Causes of Failure and Collapse of the
305-Meter Telescope at the Arecibo Observatory

Meeting #2

TOPICS – Technical Analysis

- NESC Arecibo Observatory Auxiliary M4N Socket Termination Failure Investigation
- WJE Auxiliary Main Cable Socket Failure Investigation
- Perspectives of Grant Award, Transition, and Management from UCF PI
- Thornton Tomasetti - Arecibo Telescope Collapse

February 16-17, 2022

Eastern Standard Time

National Academy of Sciences

<https://livestream.com/accounts/7036396/events/10161249>

DAY ONE

February 16, 2022; Virtual

CLOSED SESSION: 1:00 – 1:50

OPEN SESSION

2:00 Welcome and Introductions

Roger McCarthy, Chair

2:05 Briefing - NESC Arecibo Observatory Auxiliary M4N Socket Termination Failure Investigation

Gregory Harrigan, Langley Research Center Hampton, Virginia, United States

Azita Valinia, Goddard Space Flight Center Greenbelt, Maryland, United States

Nathan Trepal, Kennedy Space Center Merritt Island, Florida, United States

Pavel Babuska, The Aerospace Corporation El Segundo, California, United States

Vinay Goyal, The Aerospace Corporation El Segundo, California, United States

4:05 *break*

4:15 Briefing – Wiss, Janey, Elstner Associates, Inc. Arecibo Observatory Stabilization Efforts Analysis and Auxiliary Main Cable Socket Failure Investigation

Jonathan C. McGormley, P.E., S.E., Principal, Wiss, Janney, Elstner Associates, Inc.

6:15 Wrap-up

6:25 *Adjourn open session*

DAY TWO

February 17, 2022; Virtual

CLOSED SESSION: 12:30 – 12:50

OPEN SESSION

1:00 Perspectives on Grant Award and Operations of Arecibo Observatory Cooperative Agreement by the University of Central Florida

Ramon (Ray) Lugo III, former Director of UCF's Florida Space Institute and Principal Investigator of the NSF's contract for Operation and Maintenance of the Arecibo Observatory

Francisco Cordova, Director- U.S. National Astronomy and Ionosphere Center at University of Central Florida

2:00 Briefing - Arecibo Telescope Collapse – Forensic Investigation

John Abruzzo, P.E., LEED AP, Managing Principal & Forensics Practice Co-Leader, Thornton Tomasetti

Liling Cao, Ph.D., P.E., LEED AP, Principal, Thornton Tomasetti

4:30 *adjourn open session*

CLOSED SESSION