



Education and Heritage In the
Era of Big Data In Astronomy

The first steps on the IAU 2020-2030 Strategic Plan

Accessible Astronomy Activities for the Blind and Visually Impaired in Puerto Rico

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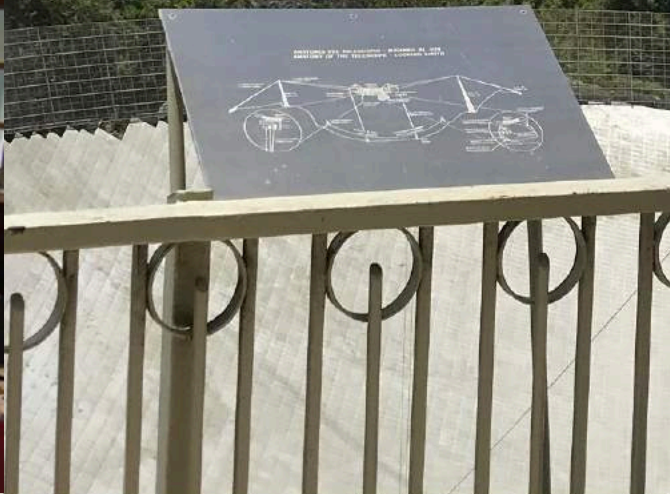
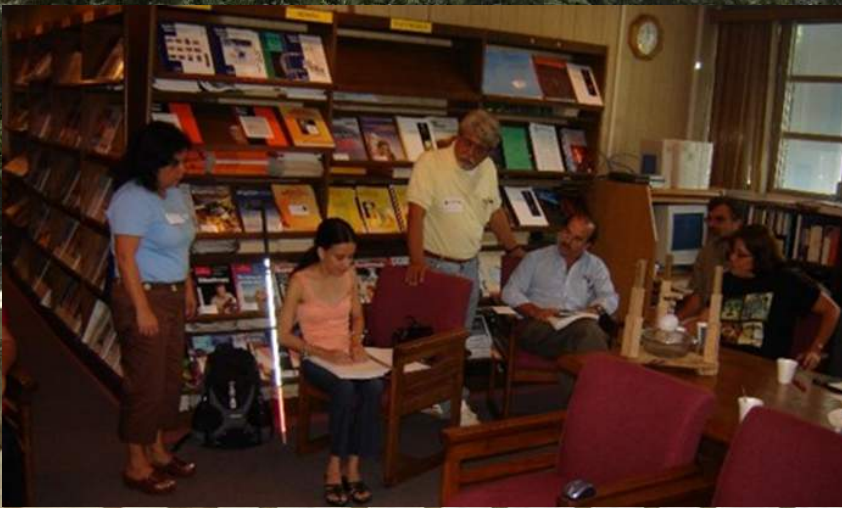
Researcher, Círculo Astrofísico de Puerto Rico, UPRRP



CARIBBEAN
UNIVERSITY



Tactile Model of Radio Telescope





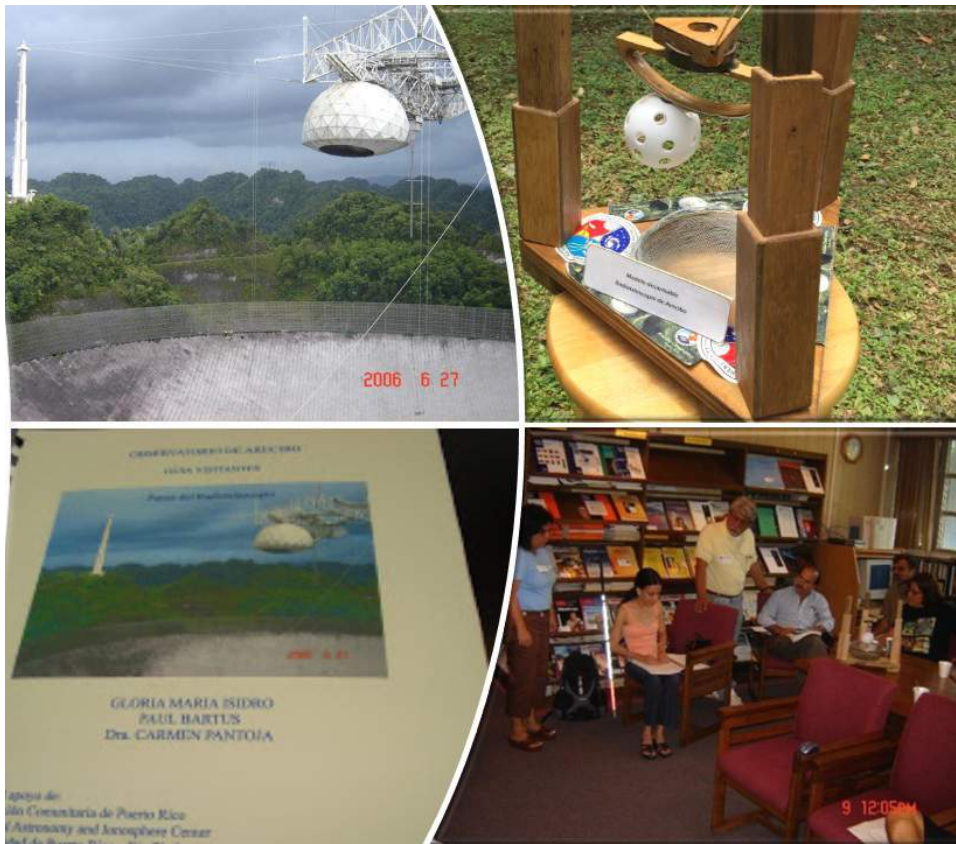
Touching the Stars: “A Workshop in Astronomy for the Visually Impaired”

Gloria M. Isidro and Carmen A. Pantoja
University of Puerto Rico Río Piedras Campus



Inclusive Workshop “Sideral Messengers” in Collaboration with the Arecibo Observatory, Summer 2008

We developed an inclusive workshop to prepare volunteer university students for IYA2009 activities



Bingo en Braille "A JuGar con Galileo"
AAAUPR en colaboración con el Observatorio de Arecibo y la
Fundación Comunitaria de Puerto Rico
Verano del 2009

IYA2009 in Collaboration with the Arecibo Observatory

We designed and develop 3D tactile material to offer blind people the opportunity to get the conceptual idea of the specific topic under consideration.



100 Hours of Astronomy IYA2009



Conferencia Bienal de Asistencia Tecnológica PRATP, Universidad de Puerto Rico.



IYA2009 Puerto Rico in collaboration with IYA2009 Israel Science and Astronomy Conference



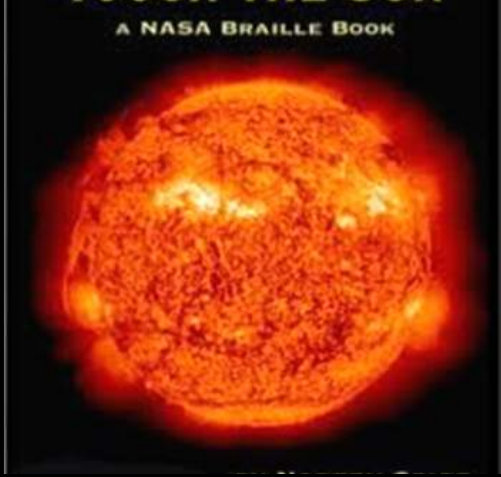
IYA2009 Puerto Rico in IYA2009 Israel Workshop for Special Education Teacher in Preparation, Afula



Accessible Astronomy Activities for the Blind People in Collaboration with the Astronomical Observatory of the University of Valencia, Spain.



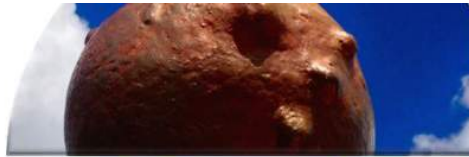
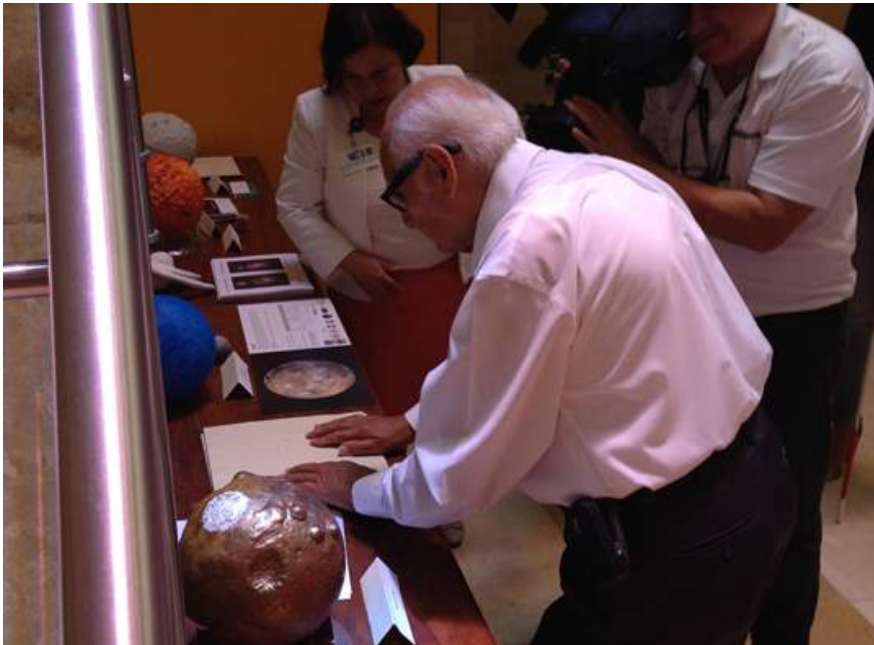
The Tactile Sun – GAM 2013



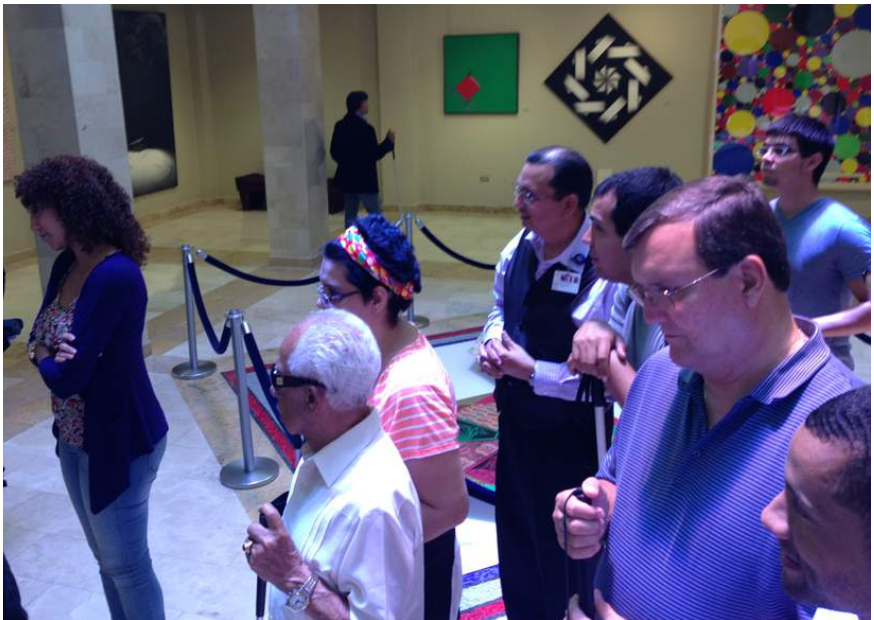


Tactile Spiral Galaxy - IYL2015

We designed tactile and 3D materials based on the Principles of Universal Design for Learning.



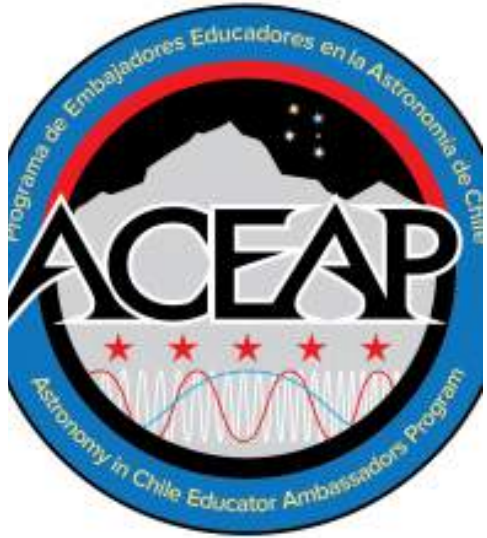
*AAA Caribbean University Recinto de Bayamón en colaboración con MACU, el Círculo Astrofísico de Puerto Rico y el Artista Escultor Luis Felipe Passalacqua
GAM 2016*



The Tactile Mars Model GAM2016

We designed tactile and 3D materials based on the Principles of Universal Design for Learning.

Alma Antenna Paper Models - November 2016





In collaboration with the
Puerto Rican Association
of blind, Inc.

Total Solar Eclipse Augusto 2017





We bring astronomy to the community
In collaboration with the EcoExploratorio
Puerto Rico Science Museum, July 2019



Accesible Astronomy Activities for the Blind and Visually Impaired in Puerto Rico & Covid 19

- We make video recordings with our tactile materials.
- We continue to develop 3D materials for future projects.
- YouTube: <https://www.youtube.com/user/gloriaisidro/videos>
- Blog: <http://materialdidacticoparaciegos.blogspot.com/>



Thank you!

Actividades Accesibles en Astronomía
para Personas Ciegas
Puerto Rico

