



The Etelman Astronomical Observatory

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most optical observatory in the U.S.A. The Estate was donated to the University of the Virgin Islands (VVI) in the 1960s Resolution Located in the Caribbea Islands (18°, 21 N, 65°W old sugar cane estate ervatory (EAO) is the south - the Eteln. an Astronom N. 420 m) Estate Bonne vin the U.S.A and of S am dst the mas, U.S. Virgin ruins of an

original one installed by Mr. in 2005, and was over-haul construction of the faciliti by Mr. Harry Etelman. facility was then virtual scope. In 2003, the curre ses a 0,5-m assegr n raboti nortly thereafter. The loned until the overhaul **10 was struck by lightning** Iman du pe replaced the reflecting ng the



was completed in 2008-2009

Cassandra Benjamin working on an outr

each presentation

astronomica In 2009, Prof. Gomez Martin joined UVI as the director of EAO. Together with a to establish a comprehensive group of stu idents she has been working research program at UVI

members of the NASA South Consortium, which includes the University of the Virgin The telescope is used prima Islands, College of Charlesto n, and the University of South **Carolina Space Grant** for research by several

Funding for the observatory is made possible through the NSF and NASA. UVI is a HBCU with a student population of 3000.

Carolina.



2. Research collaborators **1. Development Office** donations, granting

We are actively seeking:

- 3. Volunteers/Assistants
- 4. Visitor Center

5. Transportation

source. Compor community both as an educational and motivationa To serv as an in: ients: yral part of the Virgin Islands

SN -Astronomical Observatory Botanical Garden

GREEN Estate

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At EAO, we are preparing to become operational by 2011. We plan to implement a component to educate the community. full research program with an outreach

following areas: exoplanets, flares, and gamma **Research Interest has been expressed in the** Arecibo to implement collaborations and the Winter School of The Caribbean Islands. ray burst detection. We are also working with

Outreach programs:

areas, and The Annual Fun with Physics Day. bring astronomical education to less privileged The Traveling Starlab Program to

academic facility for classes. educator workshops, Astronomer for a night, public nights, special groups,

fauna of the Virgin Islands. The Garden will illustrate the native flora and

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community about its surroundings and to conserve and live in harmony with the environment. Our aim is to educate the Virgin Islands'

Our Plan:

- Restore its original grandeur

- Remove exotic invasions
 Enrichment VI native species
 Curational Program
 Botanical Arboretum Booklet
 Conservation Program:
- Endangered species: Calyptranthes Tomasiana Feature & conserve rare plants
- 000 **Ex-SITU Plant conservation**

We propos to make the Ete man Estate a GREEN

Estate. It will serve as a direct research and teaching tool in the areas of renewable energy and conservation Powering a research grade telesco requires a

cost and possibly even generate reve and are capable of sustaining the fac renewable energy sources that are in t the ideal opportunity to take adva arge energy source. The location o We pl lan to cover the facilit **Etelman affords** tage of two ities' energy ue . They are: s roof with undance

can supply enough power to operate th observatory. are rather large. A wind turbine correctly positioned solar panels.

renewable sources of energy, recycling, and the precarious situation of St. Thomas (regarding conservation), shows that not only is making the but rather a necessity for the territory. observatory functional beneficial for the university towards the project by the community, together with The overwhelming interest and willingn SHOWN

UVI will lead the Virgin Islands' community to secure our children's future by teaching, preserving and conserving this amazing piece of paradise that so many take for granted and exploit by constantly depleting its natural resources and beauty.

green habits through community outreach. UVI Green Ambassadors Program – a group of students, act GREEN. We have started our work through The ead by Prof. Gómez Martín, dedicated to promoting We intend to educate the VI community to think and

to the community and inform them about cost-saving by establishing itself as a world class research green alternatives that will benefit the Virgin Islands to place itself above other universities of the region The Etelman Estate offers UVI a unique opportunity for generations to come. facility and offering UVI the opportunity to reach out



Left to right: O.C. Thomas, J. Donnell working in the control room