

Van Allen Explorer I Beeps in Space

Objective Statement

Create a digital exhibit dedicated to Explorer I, Van Allen and the discovery of the Van Allen Radiation Belts with a particular focus on the University of Iowa's involvement. The digital exhibit will communicate the importance of the tapes pre-NASA up to the discovery of the Van Allen Radiation Belts, will present the information that is stored on said tapes, and document how these tapes were created via a worldwide network of recording stations. It will also touch on aspects of the tape rediscovery and preservation. The digital exhibit will aggregate imagery, scanned documents and samples of Explorer I data recordings and contextual information which is free and downloadable to the public.

Requirements

1. Broad visual overview of Explorer I, Van Allen, University of Iowa and the radiation belts
2. Include visuals of primary source materials (scans of papers, film, photography)
3. Provide access to samples of Explorer I audio recordings (acts as gateway to raw data)

Out of Scope

- Developing interface for crowdsourcing Van Allen papers
- Creating interface to download content and metadata generation for said content
- Embedding the current NASA Van Allen probes research into website
- Custom mobile website (includes iOS, Android native deployment)
- Creating multiple website iterations for specific user groups

Team

Project Manager	Hannah Scates Kettler
Technical Lead	Matthew Butler
Project Consultant	Shawn Averkamp
Project Consultant, Content Provider	Gregory Prickman
Project Consultant	Abigail Foerstner
Project Consultant, Digitization & Preservation	Emily Shaw

Schedule
