

## 5. RADIO WAVES AND SPACE WEATHER

**Purpose:** To illustrate the effect of the Sun's activity on the Earth's electric and magnetic fields.

**Materials:** This is a description of the Spin Browser exhibit only and is not intended as a how-to manual. Computer, display screen, hard drive with memory images of the Sun, control wheel, proprietary \*Spin Browser software.

**Configuration and Operation:** The Radio Waves and Space Weather equipment is contained in a console with only the display screen and Spin Browser control wheel accessible. The images of the Sun's storms and electromagnetic activity and their movement through space to the Earth are spectacularly displayed on the screen. The images will scroll automatically at a slow rate. If the individual at the console wishes they may control the scroll rate of the images by spinning the wheel in either direction – “backward” or “forward” – to view the entire selection or select just those images of particular interest.

\* The Spin Browser Video Explorer is produced by TechnoFrolics, [www.technofrolics.com](http://www.technofrolics.com)



## Spin Browser Display



Spin Browser Console contains a computer with display software and images.



Spin Browser Control

The thirty minute video produced for use on the Spin Browser is freely available for use on Spin Browsers in other museums. The usage policy is below. To learn more about the Spin Browser, go to <http://technofrolics.com/>

Usage Policy for "Waves in Space" Multimedia Content generated by MIT Haystack Observatory and Loch Ness Productions as part of NSF Informal Science Education (ISE) grant # 0439049

1. Each clip is a complete idea and can be used on an independent basis; however, the clip **MUST** be used in its entirety to keep the concept complete.
2. Within the clip there can be **NO** editing or changing of any kind by the users. If there is a need to re-edit **ANY** of the text, only Loch Ness Productions can do so, and this will be on a fee-based basis.
3. Haystack should be notified when a request has been made to use the materials created by this grant. This information will be used for future reports to the sponsor.
4. Any clip that is used must be accompanied by the acknowledgement clip that is being provided to TechnoFrolics by Loch Ness Productions.
5. TechnoFrolics cannot charge anyone for the use of this material.
6. Initial permissions for use of this material were obtained for the original use. It is the duty of the user to obtain additional permissions as needed for copyrighted materials used in this production.