

# TITLE OF A REPORT BASED ON RESEARCH WE SOMEHOW GOT FUNDED FOR!

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SPACE PHYSICS  
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# 1 LEXI Overview

## 1.1 A subsection

The [Lunar Environment heliospheric X-ray Image \(LEXI\)](#) ([Kuntz et al., 2022](#)) is a soft X-ray 0.1 - 2 keV imager developed to provide wide field-of-view ( $\sim 9.1^\circ \times 9.1^\circ$ ) images of the interaction between the solar wind and Earth's . The telescope will operate for roughly 6.5 days from the lunar surface on the Blue Ghost 1 lander from . The project is led by [Boston University \(BU\)](#) and is a collaboration with NASA Goddard, Johns Hopkins University, the University of Leicester, and the University of Miami. [LEXI](#) is part of NASA's Lunar Science and Technology Program. You can find more details [here](#)<sup>1</sup>. [Most Significant Bit \(MSB\)](#) and [Least Significant Bit \(LSB\)](#) are the most and least significant bits, respectively. [Science Data \(SCI\)](#) and [Housekeeping Data \(HK\)](#) are science and housekeeping data, respectively. [High Voltage \(HV\)](#) is high voltage. [BU](#) is .

## 1.2 Second subsection

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<sup>1</sup><https://sites.bu.edu/bwalsh/research/>

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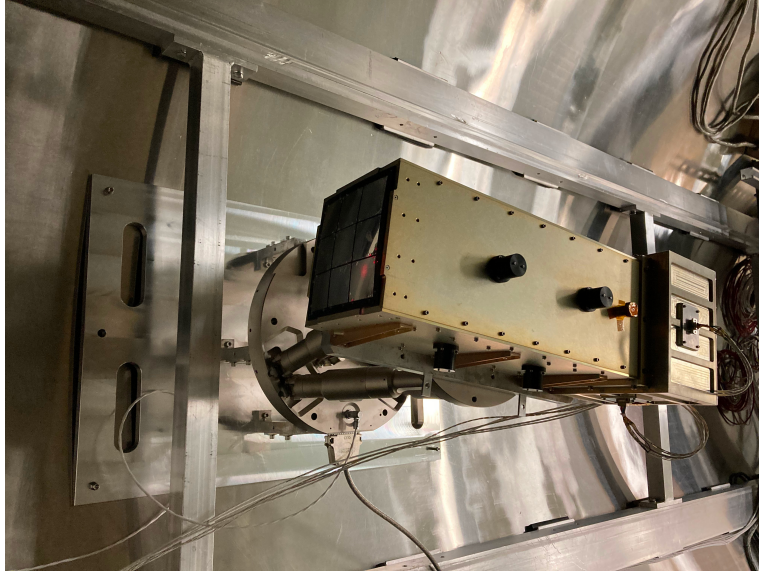


Figure 2: This is a sample image of LEXI

Table 1: This is a sample table

Column 1	Column 2	Column 3	Column 4	Column 5
Row 1	1	2	3	4
	5	6	7	8
Row 2	1	2	3	4
	5	6	7	8
Row 3	1	2	3	4
	5	6	7	8



## References

Kuntz, K., Atz, E., Collier, M., et al. 2022, in *Magnetospheric Imaging* (Elsevier), 59–99,  
doi: [10.1016/b978-0-12-820630-0.00004-0](https://doi.org/10.1016/b978-0-12-820630-0.00004-0)

## **Glossary of Abbreviations**

### **BU**

Boston University. [3](#)

### **HK**

Housekeeping Data. [3](#)

### **HV**

High Voltage. [3](#)

### **LEXI**

Lunar Environment heliospheric X-ray Image. [3](#)

### **LSB**

Least Significant Bit. [3](#)

### **MSB**

Most Significant Bit. [3](#)

### **SCI**

Science Data. [3](#)

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