

## Gone with the Wind

#### A Study on Periodic Density Structures in the Slow Solar Wind

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https://www.stthomas.edu/physics/

# The Solar Wind

## What is the Solar Wind?



http://www.skyandtelescope.com/wp-content/uploads/solar-wind.jpg

http://www.zam.fme.vutbr.cz/~druck/eclipse/Ecl2008m/0-info.htm

# A Study on the Slow Solar Wind

#### Where Are We Looking?











#### August 3rd - 14th 2008



# Process

## How Were the Images Analyzed?













#### **Time Series Analysis**



# **Results and Analysis**

#### Pseudo streamer



#### Ecliptic streamer

# 

as the test and the test and

#### Helmet streamer









STEREO B

#### LASCO

STEREO A





Magnetic Field Lines









2008-08-01 00:07:54

## NASA



## Thank You!

- The STEREO Team: data used to analyze the solar wind near the sun.
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- University of St. Thomas
- Nancy Crooker et. al: Pseudo-streamer identification.
- CCMC: PFSS models.
- Catherine Blume: In-situ data analysis.



