



**Smithsonian Institution**

*Harvard-Smithsonian Center for Astrophysics*

## **Project PHaEDRA - Annie Jump Cannon 16**

Extracted on Apr-20-2024 11:24:34

**The Smithsonian Institution thanks all digital volunteers that transcribed and reviewed this material. Your work enriches Smithsonian collections, making them available to anyone with an interest in using them.**

The Smithsonian Institution (the "Smithsonian") provides the content on this website ([transcription.si.edu](https://transcription.si.edu)), other Smithsonian websites, and third-party sites on which it maintains a presence ("SI Websites") in support of its mission for the "increase and diffusion of knowledge." The Smithsonian invites visitors to use its online content for personal, educational and other non-commercial purposes. By using this website, you accept and agree to abide by the [following terms](#).

- If sharing the material in personal and educational contexts, please cite the Harvard-Smithsonian Center for Astrophysics as source of the content and the project title as provided at the top of the document. Include the accession number or collection name; when possible, link to the Harvard-Smithsonian Center for Astrophysics website.
- If you wish to use this material in a for-profit publication, exhibition, or online project, please contact Harvard-Smithsonian Center for Astrophysics or [transcribe@si.edu](mailto:transcribe@si.edu)

For more information on this project and related material, contact the Harvard-Smithsonian Center for Astrophysics. [See this project](#) and other collections in the Smithsonian Transcription Center.

[[preprinted]] 44 [[/preprinted]]

Nov. 16, 1906

[[checkmark]] A 5670  
9.7

[[checkmark]] A 882  
8.7  
[[end page]]

[[new page]]  
[[preprinted]] 45 [[/preprinted]]  
[[underline]] November 17, 1906 [[/underline]]

Examination of several plates for variability of YY Cygni, recently named  
by Comm. Var. Stars Action Gesell.

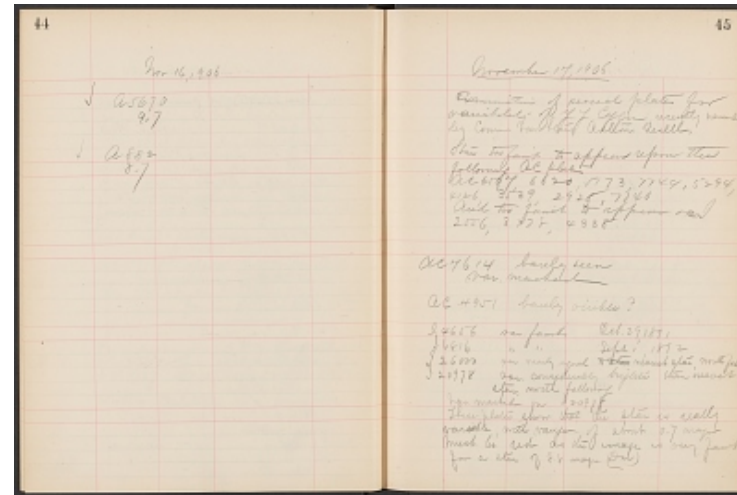
Star too faint to appear upon the following AC plates  
AC 6507, 6620, 5173, 7744, 5294, 4126, 3539, 2928, 7740  
And too faint to appear on I 2556, 3778, 4338

AC 7614 barely seen  
Var. marked

AC 4951 barely visible?

I 4656 var. faint Oct. 29, 1891  
I 6816 " " Sept. 1, 1892  
I 26000 very nearly equal to ~~star~~ star  
nearest star, north following  
I 20978 var. considerably brighter than nearest star, north following

Var. marked on I 20918  
These plates show that the star is really variable, with varying of about  
0.7 mags. Must be red as the image is very faint for a star of 8.8 mag  
(DM)



Project PHaEDRA - Annie Jump Cannon 16  
Transcribed and Reviewed by Digital Volunteers  
Extracted Apr-20-2024 11:24:34



## Smithsonian Institution

*Harvard-Smithsonian Center for Astrophysics*

The mission of the Smithsonian is the increase and diffusion of knowledge - shaping the future by preserving our heritage, discovering new knowledge, and sharing our resources with the world. Founded in 1846, the Smithsonian is the world's largest museum and research complex, consisting of 19 museums and galleries, the National Zoological Park, and nine research facilities. Become an active part of our mission through the Transcription Center. Together, we are discovering secrets hidden deep inside our collections that illuminate our history and our world.

Join us!

The Transcription Center: <https://transcription.si.edu>

On Facebook: <https://www.facebook.com/SmithsonianTranscriptionCenter>

On Twitter: [@TranscribeSI](https://twitter.com/TranscribeSI)

Connect with the Smithsonian

Smithsonian Institution: [www.si.edu](http://www.si.edu)

On Facebook: <https://www.facebook.com/Smithsonian>

On Twitter: [@smithsonian](https://twitter.com/smithsonian)