



Smithsonian Institution

Harvard-Smithsonian Center for Astrophysics

Project PHaEDRA - Henrietta Swan Leavitt #26

Extracted on Aug-17-2022 09:05:29

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), 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

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.

14

22.15 Monday, November 25, 1907

Copied T and S Ursae Majoris Repeated Measurements of
T' plate I 34768
[6 column table]

Scale M| | |Prismatic comp|
Diff.|Polar Sequence|p^ 13 mean Res.|T Ursae Majoris|Polar Sequence
mean.|Diff

+3.49|a 2.8 3.0|2.8 2.90 ~~10^[[10]]~~ ~~1~~
~~1~~ ~~1~~ ~~h 6.3 ^[[6.5]]~~ 6.4 6.45 10|13.7 3.9 ^[[p.13]]
3.9 3.90 00|-1 ~~[[?]]~~

3.62|b 4.3 4.5 4.6 4.55~~[[underline]] 1~~ ~~[[underline]] 0~~ 4.40 4.48 07
~~[[underline]] 08~~ ~~[[underline]] g 5.1 ^[[5.3]]~~ 5.4 5.~~[[strike through]] 4~~
~~[[strike through]] ^[[35]]~~ ~~[[underline]] 1~~ ~~[[underline]] 0~~ |a 7.2 7.2 7.20
00|-0.81

3.62|14a 4.8 5.0 5.3 5.15~~[[underline]] 2~~ ~~[[underline]] 1~~ 5.00 5.08
07^~~[[underline]] 08~~ ~~[[underline]] a 2.9 ^[[3.1]]~~ 3.1~~[[strike through]] 0~~
00 ~~[[strike through]] 14a 9.8 9.8 9.80 00|-1.~~ ~~[[strike through]] 10 ^[[0]]~~
~~[[strike through]]~~

3.68|11 3.3 3.5|3.5 3.50 ~~[[strike through]] 0000~~ ~~[[strike through]] ^[[00]]~~ |f
5.2 ^[[5.4]] 5.6 5.50 ~~[[underline]] 1~~ ~~[[underline]] 1~~ |b 9.2 9.1 9.15 0
~~[[underline]] 3~~ ~~[[?]]~~ ~~[[underline]] -1.05~~

3.50|c^[[2]] 5.8 6.0 5.8 5.90|1 ~~[[underline]] 1~~ ~~[[underline]] 5.95 5.92~~
~~[[underline]] 02~~ ~~[[underline]] c 4.3 ^[[4.5]]~~ 4.5|c^[[1]] 9.9 10.0
9.95 ~~[[underline]] 1~~ ~~[[underline]] 0~~|-1.06

3.45|d 6.6 6.8 6.7 6.75|0 ~~[[underline]] 1~~ ~~[[underline]] 6.70 6.72 03~~
~~[[underline]] 02~~ ~~[[underline]] g^[[3]] 6.0 ^[[6.2]]~~ 6.2 6.20 00|10 8.2 8.2
8.20 00|-1.22

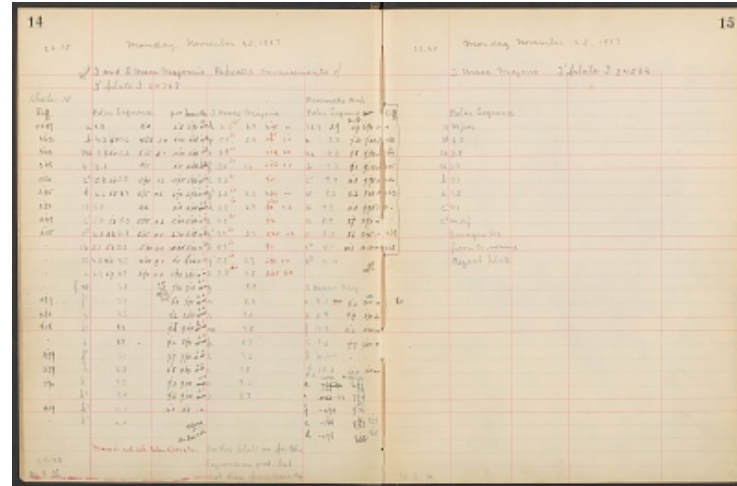
3.73|10 3.0 3.2|3.3 3.25 ~~[[strike through]]~~ ~~[[underline]] 05~~ ~~[[underline]]~~
05 ~~[[strike through]] ^[[01]]~~ |k 6.8 ^[[7.0]] 6.9 ~~[[strike through]] 7.0~~
~~[[strike through]] ^[[6.95]]~~ 0 ~~[[underline]] 1~~ ~~[[underline]] 16 9.9 10.0~~
9.95 ~~[[underline]] 1~~ ~~[[underline]] 0~~ | +.

3.47|c^[[1]] 5.4 5.6 5.5 5.55|0 ~~[[underline]] 1~~ ~~[[underline]] 5.30 5.42~~
13^~~[[underline]] [[12]]~~ ~~[[underline]] d 4.0 ^[[4.2]]~~ 4.2|12 8.9 8.9 8.90 00| |

3.55|c^[[3]] 6.0 6.2 6.3 6.25|0 1 6.10 6.18 07^~~[[underline]] 08~~
~~[[underline]]]~~ |g^[[2]] 4.9 ^[[5.1]] 5.4 5.25 ~~[[underline]] 1~~ ~~[[underline]] 2~~
|11 8.3 8.6 8.45 ~~[[underline]] 1~~ ~~[[underline]] -1.27~~

| 16 5.1 5.3 5.3 5.30 |0 0 5.35 5.32 ~~[[underline]] 02~~ ~~[[underline]]~~
~~[[03]]~~ |b 3.9 ^[[4.1]] 4.1 |c^[[2]] 10.1 10.1 10.10 00|-0.68

| 12 4.0 4.2 4.5 4.35|~~[[underline]] 2~~ ~~[[underline]] 1~~ 4.1 4



~~5~~ ~~.22~~ ~~13~~ ~~12~~
| g^[1] 5.5^[5.7] 5.7 5.70 0 0 | c^[3] m.s [?] | |

| e 6.7 6.9 6.9 6.90 | 0 0 6.90 6.90 00^[00] | e 3.8^[4.0] 4.5 4.25
| ~~2~~ | ~~3~~ | ~~equation~~ | |

| f^[1] ~~15~~ 7.0 | ~~equation~~ 7.2
7.10 | ~~1~~ | ~~1~~ | ~~10~~
| ~~10~~ | q 8.9 | J Ursae Maj | |

3.97 | f^[3] 7.9 | ~~equation~~ 8.0 7.95 | ~~1~~
0 | ~~05~~ | ~~05~~ | m
8.3 | a 8.1 | ~~8.5~~ | 8.0 8.05^[?]
| ~~18~~ | ~~1 0~~ | 8.0
| ~~8.0~~ | |

3.73 | g 8.5 | ~~6~~ | 8.6 8.55
| ~~1~~ | ~~0~~ | ~~05~~
| ~~05~~ | r 9.1 | e 8.9 8.9 8.90 0 0 |
| |

4.18 | k^[3] 9.4 | ~~9.7~~ | ~~0~~ | 9.55
| ~~2~~ | ~~1~~ | ~~15~~
| ~~15~~ | m 7.8 | f 10.2 10.2 10.20 0
0 | |

| i 8.9 | 9.0 8.95 | ~~1~~ | ~~0~~
| ~~05~~ | ~~05~~ | ~~h~~ | 8.7 | c
9.6 9.7 9.65 0 1 | |

3.79 | f^[2] 7.7 | ~~7.7~~ | ~~00~~
| ~~7.3~~ | b too poor | |

3.79 | h 8.8 | 8.8 8.80 0 0 | ~~00~~
| ~~00~~ | t 9.8 | d 10.0 10.0 10.00 0 0 | |

3.90 | k^[1] 9.3 | 9.3 9.30 0 0 | ~~00~~
| ~~00~~ | s 9.3 | a^[P.C.] | ~~00~~
1.28 972 [?] | ~~6.77~~ | ~~8.9~~ | ~~mag~~ | |

| k^[2] 9.4 | 9.6 9.50 | ~~1~~ | ~~1~~
| ~~10~~ | ~~10~~ | lo
8.7 | e^[-1.28] | ~~-0.50~~ | ~~-1.16~~ 7.74
| ~~8.7~~ | |

4.19 | k^[5] n.s [?] | 10.0 10.0 .a | f -0.94 9.26^[.39] | |

| k^[4] n.s [?] | | c -1.0 | ~~1~~
| ~~4~~ | ~~8.6~~ | ~~5~~ | 1
8.74 | |

| | | 42) | ~~240~~ | Av. Dev. +/- 06 | d -
0.98 | ~~9.02~~ | ~~9.15~~ | |

Means in red ink taken Oct 12, '12.

On this plate im for Polar Sequence are good, but not those for T Ursae
Maj
22.40
M.E.H.

15

22.40 Monday, November 25, 1907

T Ursae Majoris T' plate I 34532

[[2 column table]]

	Polar Sequence	
11	too poor	
10	2.3	
16	3.8	
12	2.7	
b	3.4	
a	1.5	
c'	4.1	
c ^{[[3]]}	im. def.	

Images too poor to measure
Reject plate

Project PHaEDRA - Henrietta Swan Leavitt #26
Transcribed and Reviewed by Digital Volunteers
Extracted Aug-17-2022 09:05:29



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

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

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