Smithsonian Institution
Harvard-Smithsonian Center for Astrophysics

Project PHaEDRA - Henrietta Swan Leavitt #43

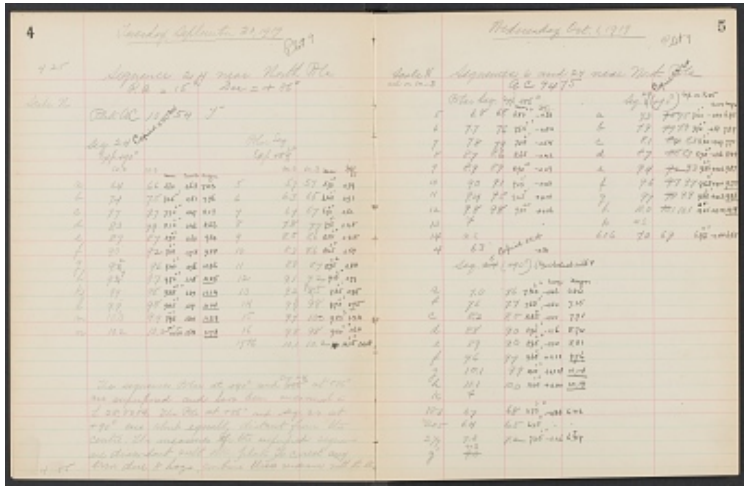
Extracted on Mar-29-2024 02:43:45

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.



4

[[underlined]] Tuesday, September 30, 1919 [[/underlined]]

Plot 9

425

Sequence 24 near North Pole
R.a = 15^[[2]] Dec. = +86°

Scale N

Plate AC 10554 J^[[-]]

Seq 24 [[written diagonally]]Copied 53 : 64[[/written diagonally]]
Polar Seq.
Exp. +90° Exp. +8[[strike through]]9[[/strike through]]^[[6]]°

[[eleven columned table; some sections unlabeled]]
|---|sc.3|sc.3|mean|curve|magn.|---|sc.3|sc.3|mean|Diff.|
|a|6.4|6.6|6.60|0.63|7.23|5|5.7|5.7|5.70^[[0 0]]|0.79|
|b|7.4|7.5|7.45^[[0
1]]|0.51|7.96|6|6.3|6.5|6.40^[[[[underlined]]1[[/underlined]] 1]]|0.71
|c|7.7|7.7|7.70^[[0 0]]|0.47|8.17|7|6.7|6.7|6.70^[[0 0]]|0.61|
|d|8.3|7.9|8.10^[[2
[[underlined]]2[[/underlined]]]]|0.46|8.56|8|7.8|7.7|7.75^[[0
[[underlined]]1[[/underlined]]]]|0.48|
|e|8.7|8.7|8.70^[[0
0]]|0.60|9.30|9|8.5|8.6|8.55^[[[[underlined]]1[[/underlined 0]]|0.28|
|f|9.0|9.2|9.10^[[underlined]]1[[/underlined]]
1]]|0.78|9.88|10|8.3|8.6|8.45^[[[[underlined]]1[[/underlined]] 2]]|0.57|
|g|9.[[strike through]]0[[/strike
through]]^[[2]]|9.6|9.40^[[[[underlined]]2[[/underlined]]
2]]|0.96|10.36|11|8.8|8.7|8.75^[[0 2]]|0.80|
|h|9.[[strike through]]2[[/strike through]]^[[7]]|9.7|9.70^[[0
00]]|1.15|[[underlined]]10.85[[/underlined]]|12|9.1|9.2|9.15^[[[[underlined]
]1[[/underlined]] 0]]0.71|
|k|9.9|9.8|9.85^[[05
0]]|1.29|[[underlined]]11.14[[/underlined]]|13|9.2|9[[strike
through]]8[[/strike through]].5|9.35^[[3 1]]|0.95|
|l|9.9|9.8|9.85^[[1 0]]|1.29|[[underlined]]11.4[[/underlined]]|14|9.[[strike
through]]7[[/underlined]]^[[6]]|9.8|9.70^[[[[underlined]]1[[/underlined]]
1]]|0.95|
|m|10.0|9.9|9.95^[[0
[[underlined]]1[[/underlined]]]]|1.34|[[underlined]]11.29[[/underlined]]|15|9
.7|10.0|9.85^[[[[underlined]]1[[/underlined]] 2]]|1.23|
|n|10.2|10.2|^[[[[strike through]]10.1[[/strike through]]]] 10.20^[[0
0]]|1.53|[[underlined]]11.73[[/underlined]]|16|9.8|9.8|9.801^[[0 0]]|1.60|
|---|---|---|---|---|---|---|---|17[[strike through]]16[[/strike
through]]|10.1|10.2|[[strike through]]10.1[[/strike
through]]10.15^[[[[underlined]]1[[/underlined]] 0]]|1.48|

The sequences Polar at +90° and [[strike through]]186°[[/strike
through]]^[[seq. 24]] at +86° are superposed and have been measured

Smithsonian Institution Transcription Center, Harvard-Smithsonian Center for Astrophysics

in L 28, 83, 84. the Pole at +86° and seq. 24 at +90° are about equally distract from the centre. The measures of the superposed sequences are discordant with their plates. To correct any error due to haze. combine these measures with the others.

4 55

5

[[underlined]] Wednesday, Oct. 1, 1919 [[/underlined]]

Scale N Sequences 6 and 24 near North Pole
all on sc.3 AC 9475 [[written diagonally]]Copied 53:64[[/written diagonally]]

[[eleven columned table; some sections unlabeled]]
---	Plate Seq.	Exp. +86°	mean	Diff.	---	Seq.[[strike through]]6[[/strike through]]^[[24]](+90°)^[[Sup. on P +86°]]	---	Curve	Magn.
5	6.8	6.8	6.80^[[0 0]]	-0.31	a	7.3	[[strike through]]7.5[[/strike through]]7.5	7.40^[[[[underlined]]1[[/underlined]] 1]]	-0.47	6.93
6	7.7	7.6	7.65^[[1 0]]	-0.54	b	7.9	[[strike through]]7.7[[/strike through]]7.9	7.90^[[0 0]]	-0.51	7.39
7	7.8	7.8	7.85^[[0 1]]	-0.54	c	8.1	[[strike through]]8.4[[/strike through]]8.3	8.20^[[[[underlined]]1[[/underlined]] 1]]	-0.49	7.71
8	8.7	8.6	8.65	-0.42	d	8.7	[[strike through]]8.8[[/strike through]]8.7	8.70^[[0 0]]	-0.26	8.44
9	8.9	8.9	8.90^[[0 0]]	-0.07	e	9.4	[[strike through]]9.2[[/strike through]]9.3	9.35^[[0 [[underlined]]1[[/underlined]]]]	+0.02	9.37
10	9.0	9.1	9.05^[[0 1]]	-0.03	f	9.6	[[strike through]]9.7[[/strike through]]9.7	9.65^[[0 1]]	+0.10	[[underlined]]9.75[[/underlined]]
11	9.4	9.5	9.45^[[0 1]]	+0.10	g	9.7	[[strike through]]9.9[[/strike trough]]9.9	9.80^[[[[underlined]]1[[/underlined]]
1]]	+0.13	[[underlined]]9.93[[/underlined]]
12	9.8	9.8	9.80^[[0 0]]	+0.06	h	10.0	[[strike through]]10.1[[/strike through]]10.1	10.05^[[0 [[strike through]]2[[/strike through]]
1]]	+0.14	[[underlined]]10.19[[/underlined]]
13	f	---	---	---	k	n.s.	---	---	---	---	---
14	n.s.	---	---	---	606	7.0	6.9	6.95^[[0 [[underlined]]1[/underlined]]]]	-0.40	6.55
4	6.3	---	---	-0.31	---	---	---	---	---	---

[[written diagonally]]Copied 53:14[[/written diagonally]]
Seq. [[strike through]]24[[/strike through]]^[[6]] (+90°) (Equidistant with P)

[[six columned table; some sections unlabeled]]
---	---	---	---	curve	magn.
a	7.0	7.6	7.30^[[[[underlined]]3[[/underlined]] 3]]	-0.46	6.84
b	7.6	7.7	7.65^[[0 1]]	-0.50	7.15
c	8.2	8.5	8.35^[[[[underlined]]2[[/underlined]] 1]]	-0.44	7.91
d	8.8	9.0	8.90^[[[[underlined]]1[[/underlined]] 1]]	-0.16	8.74
e	8.9	9.0	8.95^[[[[underlined]]1[[/underlined]] 0]]	-0.14	8.81
f	9.6	9.7	9.65^[[0 1]]	+0.11	9.76
g	10.1	9.9	10.00^[[1
[[underlined]]1[[/underlined]]]]	+0.14	[[underlined]]10.14[[/underlined]]^[[[[strike through]]101.1[[strike through]]]]

Smithsonian Institution Transcription Center, Harvard-Smithsonian Center for Astrophysics

h	10.1	10.0	10.05^[[1 0]]	+0.14		[[underlined]]10.19[[/underlined]]
k	7	---	---	---
183	6.7	6.8	6.75^[[[[underlined]]1[/underlined]] 0]]	-0.33	6.42
205	6.4	6.5	6.45^[[0 1]]	---	---
279	7.3	7.2	7.25^[[1 0]]	-0.46	6.[[strike through]]8[[/strike through]]^[[7]]9
g	[[strike through]]9.3[[/strike through]]^[[n.s.]]	---	---	---	---

Project PHaEDRA - Henrietta Swan Leavitt #43
Transcribed and Reviewed by Digital Volunteers
Extracted Mar-29-2024 02:43:45



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

Connect with the Smithsonian
Smithsonian Institution: www.si.edu
On Facebook: https://www.facebook.com/Smithsonian
On Twitter: @smithsonian