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*Harvard-Smithsonian Center for Astrophysics*

## **Project PHaEDRA - Henrietta Swan Leavitt #09**

Extracted on Apr-19-2024 11:58:43

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September 5, 1904

Meas. to det. Pos. of Var. 3 in Sagittarius

4 15 Plate A4700

|x|y|x|y|Diffx|Diffy|xx.30|

Var 3|+0.10|+0.70| | | |

a|-1.30|+2.00|-1.30|+2.00|-

1.~~[[/strickethrough]]~~17~~[[/strickethrough]]~~43|+1.30|-6.15

b|+2.05|-3.95|+2.05|-3.95|+1.92|-4.65|+8.26

c|+10.08,+10.10|+16.40|+10.05|+16.40|+9.95|+15.70|+42.78

Var.3|+0.15|+0.70|+0.15|+0.70| | |

Mean var|+0.13|+0.70| | | |

a|DM -21degree|4772|17h46m18.4s| -21deg41.1min9.1

b|-21degree|4774| 17h46m32.4s | -21deg47.5min9.4

c|-21degree|4777| 17h47m6.9s| -21deg26.7min9.7

sec delta=1.076

4 sec delta=4.304

(a) 17h46m18.4s -21deg41.1min  
- 6.2 + 1.3

17h46m24.6s -21deg42.4min

(b)17h46m32.4s -21deg47.5min  
+ 8.3 - 4.6

17h46m24.1s -21deg42.9min

(c) 17h47m6.9s -21deg26.7min  
+ 42.8 +15.7

17h46m24.1s -21deg42.4min

Mean pos. 17h46m24.3s, -21deg42.6 (185

Ann. prec. in RA = +3.603s Prec. 45 years=162.1s = 2m42.1s

Ann. prec. in Dec= -1.18" Prec.45 years =-53.1"=-0.9'

Mean position Var.3 17h49m6.4s -21deg43.5min (1900)

[[end page]]

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September 5, 1904

Meas. to det. Pos. of Var. 4 in Sagittarius

Plate A 4700

| x | y | x | y | Diff x | Diff y | X x 4.28

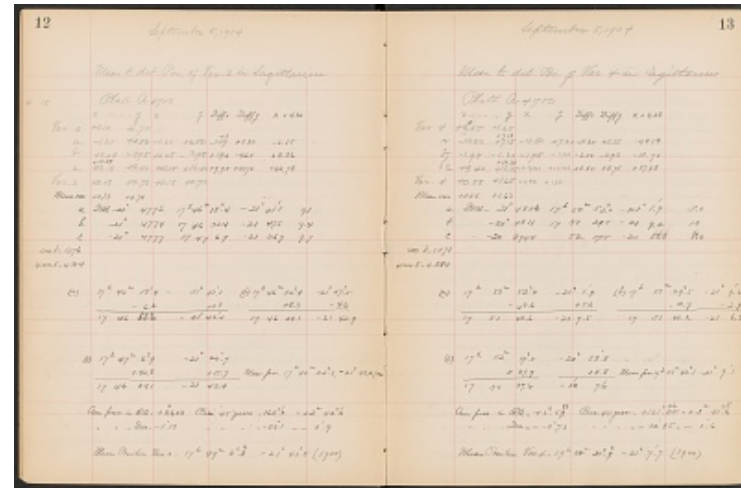
Var. 4 | + ~~[[/strickethrough]]~~ 0 ~~[[/strickethrough]]~~ 4.55 | + 1.65 | | | |

a | -10.80 | +7.18, +7.15 | -10.80 | +7.20 | -11.35 | +5.55 | -48.58

b | -1.95 | -1.30 | -1.95 | -1.30 | -2.50 | -2.93 | -10.70

c | +9.40 | +10.38 +10.35 | +9.40 | +10.40 | +8.85 | +8.75 | +37.88

Var. 4 | +0.55 | +1.65 | +0.55 | +1.60 | | |



Mean var. | +0.55 | +1.63 | | | | |

a | DM -21 degrees 4806 17<sup>h</sup> 50<sup>m</sup> 52.0<sup>s</sup> -21 degrees 1.9' 8.0  
b | -21 degrees 4811 17h 51m 29.5s -21 9.2 10  
c | -20 4944 52 17.5 -20 58.8 8.0

sec delta = 1.071

4 sec delta = 4.284

(a) [[equation]] (b) [[equation]]

(c) [[equation]] Mean pos. 7h 51m 40.1s -21 degrees 7.1'

Ann. prec. in RA = +3.588sec Prec. 45 years = +161. 46s = +2m 41.5s

" " [[ditto for Ann. prec. in]] Dec = -0.73" " " " [[ditto for Prec. 45 years

=]] -32.85" = - 0.6'

Mean Position Var. 4 = 17h 54m 21.6s ~~7~~ -21 degrees

7.7' (1900)

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