Project PHaEDRA - Henrietta Swan Leavitt #09

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

September 5, 1904

Meas. to det. Pos. of Var. 3 in Sagittarius
4 15 Plate A4700
||x|y|x|y|Diffx|Diffy|xx4.30|
Var 3|+0.10|+0.70| | | | | |
a|-1.30|+2.00|-1.30|+2.00|-
1.[[strikethrough]]17[[/strikethrough]]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]]
[[start page]]

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Meas. to det. Pos. of Var. 4 in Sagittarius
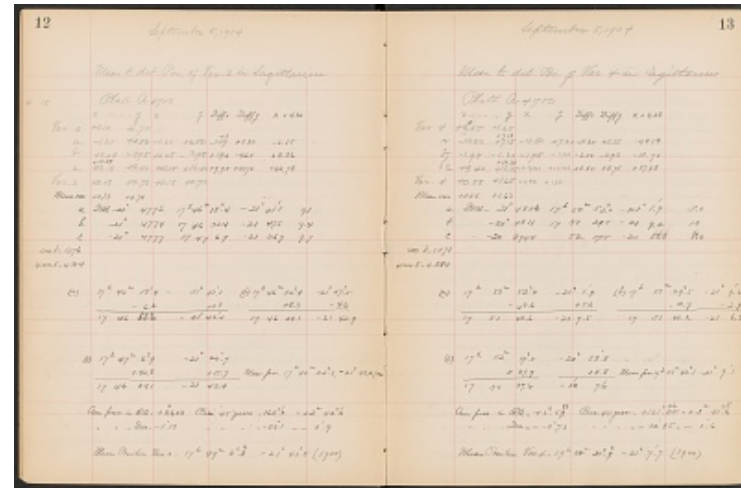Plate A 4700
| | x | y | x | y | Diff x | Diff y | X x 4.28
Var. 4 | + [[strikethrough]] 0 [[/strikethrough]] 4.55 | + 1.65 | | | | | |
a | -10.80 | +7.18, +7.15 | -10.80 | +7.20 | -11.35 | +5.55 | -48.58
b | -1.95 | -1.30 | -1.95 | -1.30 | -2.50 | -2.93 | -10.70
c | +9.40 | +10.38 +10.35 | +9.40 | +10.40 | +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^h 50^m 52.0^s -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 [[strikethrough]] 7 -21 degrees 7.7' (1900)

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