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Project PHaEDRA - Henrietta Swan Leavitt #09

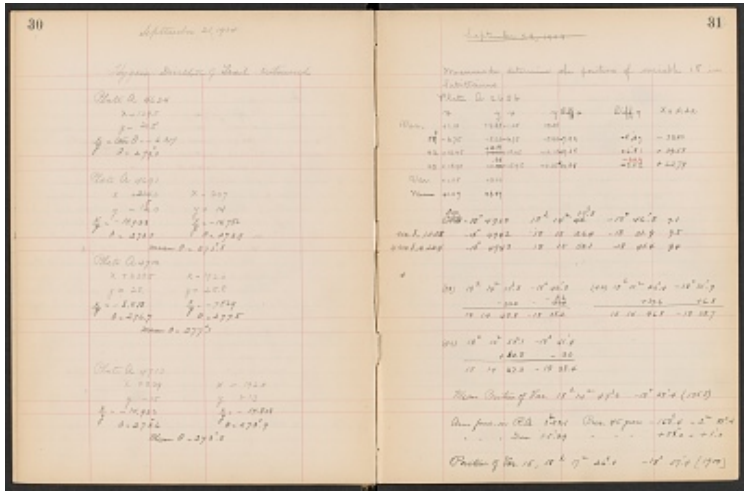
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[[preprinted]] 30 [[/preprinted]]

September 21, 1904

Hygeia Direction of Trail contintued

Plate A 4624
x +129.5
y -20.5
x/y = tan theta = -6.317
theta = 279.0 degrees

Plate A 4691
x +224.0 x -207
y -1 [[strikethrough]] 1 [[/strikethrough]] 5.0 y +14
x/y = 14.9333 x/y = -14.786
theta = 273.8 theta = 273.9
Mean theta = 273.8 degrees

Plate A 4700
x +238.5 x -193.0
y -28. y +25.5
x/y = -8.518 x/y = -7.569
theta = 276.7 theta = 277.5
Mean theta = 277.1 degrees

Plate A 4713
x + 239 x -192.5
y -15 y +13
x/y = -15.933 x/y = 14.808
theta = 273.6 degrees theta = 273.9 degrees
Mean theta = 273.8 degrees

[[end page]]
[[start page]]

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[[underlined]] September 22, 1904 [[/underlined]]

Measures to determine the position of variable 15 in Sagittarius
Plate A 2656

| | x | y | x | y | Diff x | Diff y | X x 4.22
Var. | +1.10 | +3.35 | +1.05 | +3.35 | | | |
3 [[strikethrough]] 6 [[strikethrough]] | -6.75 | -5.20 | -6.75 | -5.20 | -7.82 | -8.57 | -33.00
42 | +10.45 | [[strikethrough]] +10.20 [[strikethrough]] +10.18 | +10.45 | +10.15 | +9.38 | +6.81 | +39.58
43 | +15.95 | +0.[[strikethrough]] 45 [[strikethrough]] 38 | +15.95 | + 0.35 | +14.88 | -3.02 ^[[-2.99]] | +62.79
Var | +1.05 | +3.40
Mean | +1.07 | +3.37

[[strikethrough]] CPD [[strikethrough]] DM -18 degrees 4938 18h 14m

[[strikethrough]] 46 [[strikethrough]] 15.8s -18 degrees 46.8' 9.1
sec delta = 1.055 -18 degrees 4942 18 15 26.4 -18 31.9 9.5
4 sec delta = 4.224 -18 degrees 4943 18 15 50.1 -18 41.4 9.4

(38) [[equation]] (42) [[equation]]
(43) [[equation]]

Mean Position of Var. 18h 14m 47,6 -18 degrees 38.4' (1855)

Ann. prec. in RA 3.521s Prec. 45 years 158.4s = 2m 38.4s
" " "[[ditto for Ann. prec. in RA]] Dec +1.29 " " " "[[ditto for Prec. 45 years]] +58.0" = +1.0'

Position of Var. 15, 18h 17m 26.0s -18 degrees 37.4' (1900)

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