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*Harvard-Smithsonian Center for Astrophysics*

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

Extracted on Apr-19-2024 08:06:26

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September 19, 1904

Hygeia continued

Plate A 471 ~~4~~ 3

| x | y | x | y | Diff x | Diff y | X x 4.35  
Hygeia | -1.25 | -4.30 | -1.25 | -4.30 | | |  
26 | -3.10 | -6.90 | -3.10 | -6.90 | -1.85 | -2.62 | ~~12.43~~  
~~8.05~~  
28 | -0.90 | -0.92 | +4.40 | -0.95 | +4.40 | ~~1.44~~  
~~0.33~~ | +8.68 | ~~1.44~~  
30 | +1.25 | -5.35 | -5.32 | +1.25 | -5.30 | +2.50 | -1.04 |  
~~10.90~~ | +10.88  
Hygeia | -1.25 | -4.25  
Mean Var. | -1.25 | -4.28  
Length of trail 0.80

(a) C.P.D. -23 degrees 6726 17h 53m 1.3s -23 degrees 14.5'

(b) -23 degrees 6728 17h 53m 12.3s -23 degrees 3.3'

(c) -23 degrees 6730 17h 53m 20.8s -23 degrees 13.1

sec delta = 1.088

4 sec delta = 4.352

(a)  $\frac{1}{2} \frac{d^2 x}{dt^2}$  (c)  $\frac{1}{2} \frac{d^2 y}{dt^2}$

(b)  $\frac{1}{2} \frac{d^2 x}{dt^2}$

Mean Position = 17h 53m 10.0s -23 degrees 12.0' (1875)

[[end page]]

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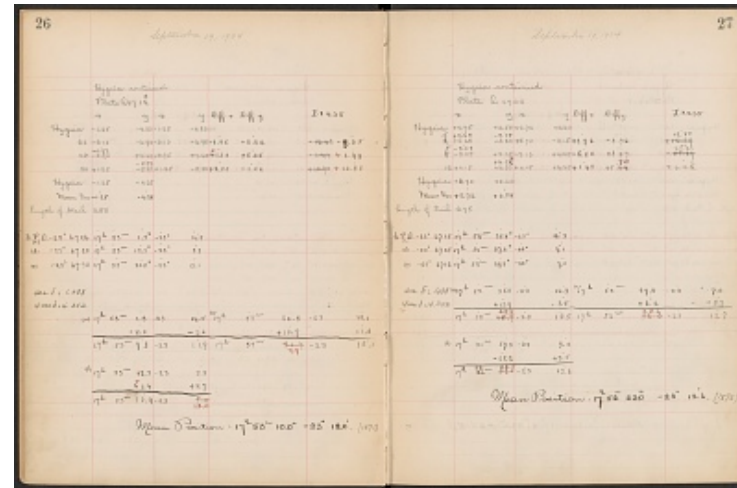
September 19, 1904

Hygeia continued

Plate A 4700

| x | y | x | y | Diff x | Diff y | X x 4.35  
Hygeia | +2.75 | +0.55 | +2.70 | +0.60 | | |  
~~15~~ | +5.65 | -3.20 | -3.18 |  
+5.70 | -3.15 | +2.96 | -3.76 | ~~16.39~~  
+12.88  
~~8~~ | -3.05 | -3.08 | +4.05 | -3.10 |  
+4.05 | -5.80 | +3.47 | -25.24 | 25.23  
12 | +4.15 | +6.30 | 6.2 | 2 | 8 | +4.15 |  
+6.25 | +1.43 | +5. | 64 | 70  
Hygeia | +2.70 | +0.60  
Mean Var. | +2.72 | +0.58  
Length of trail 0.75

(a) C.P.D. -23 degrees 6715 17h 52m 35.8s -23 degrees 16.3'



(b) -23 degrees 6705 17h 51m 57.3s -23 degrees 9.1'  
(c) -23 degrees 6712 17h 52m 29.8s -23 degrees 7.0'

sec delta = 1.088 (a)  $[\text{equation}]$  (c)  $[\text{equation}]$   
4 sec delta = 4.352  
(b)  $[\text{equation}]$

Mean Position = 17h 52m 23.0s -23 degrees 12.6' (1875)

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