

$\Theta = 4'.0$

17 Oct 2022

sat coords

$\Sigma = 0$

UT	GHA	$\delta$	HP	GHA	$\delta$	SD	LD	
15 <sup>h</sup>			54.24					27.1
16 <sup>h</sup>	149.6299	26.2300	54.24	63.6710	-9.4058	16.06	90.9252	90 1.0 90 33.9
17 <sup>h</sup>	164.1978	26.1963	54.25	78.6231	-9.4210		90.1137	90 6.8 27.1

VL I  $\varphi = 0$   $\lambda = -90$   $H'' = 19$  34.2  $h'' = 69$  25.3  $D'' = 90$  36.4

$sd_m = 0.2724 \cdot 54.245 = \begin{bmatrix} 9.43521 \\ 1.73436 \\ 1.16957 \end{bmatrix} = 14'.78 = 14' 47''$   $sd = 30.9$

$H''$  19 34.2  
 $\Theta$  -4.0  
 $sd$  -14.8

augm. 4  
 surp 14 51  
 14 49  
 sd<sub>2</sub> 16 4  
 30 53

$H'$  19 15.4

$\lambda$  sec 0.02500

R 2 44 1.73436  
 19 12 40 9.97512  
 HP 51 13 1.70948  
 H 20 3.9

$\lambda$  cor 9.97281

$h''$  69 25.3  
 $\Theta$  -4  
 $sd$  16.1

$\lambda$  sec 0.45818

$h'$  69 37.4  
 R -22  
 P +3

$h$  69 37.1  
 $H$  20 3.9

$\lambda$  cor 9.57192  
 $\lambda$  Q 9.99791

$d$  49 33.2

$\lambda$  cor 0.17563

$h'$  69 37.4  
 $H'$  19 15.4

$d'$  50 22.0

$D'$  91 7.3

$D \rightarrow d'$  41 29.3  $\lambda$   $\lambda$  cor 9.95000

$D \rightarrow d'$  40 45.3  $\lambda$   $\lambda$  cor 9.08367

19.03367

$\frac{14.8}{27.1} \cdot 60 = \begin{bmatrix} 1.1703 \\ 1.7782 \\ 2.9485 \\ 1.4330 \\ 1.5155 \end{bmatrix} = 32.77$

$\lambda$  Q 9.51684  
 $\lambda$  Q 9.99791

$\lambda$  cor 9.71475

$\lambda$  cor 0.32715

$D = 90^\circ$  19.1

$\lambda$  cor 0.50278

UT = 16<sup>h</sup> 32<sup>m</sup> 46<sup>s</sup>

6 after FER's rec 33.9  
 14.8