

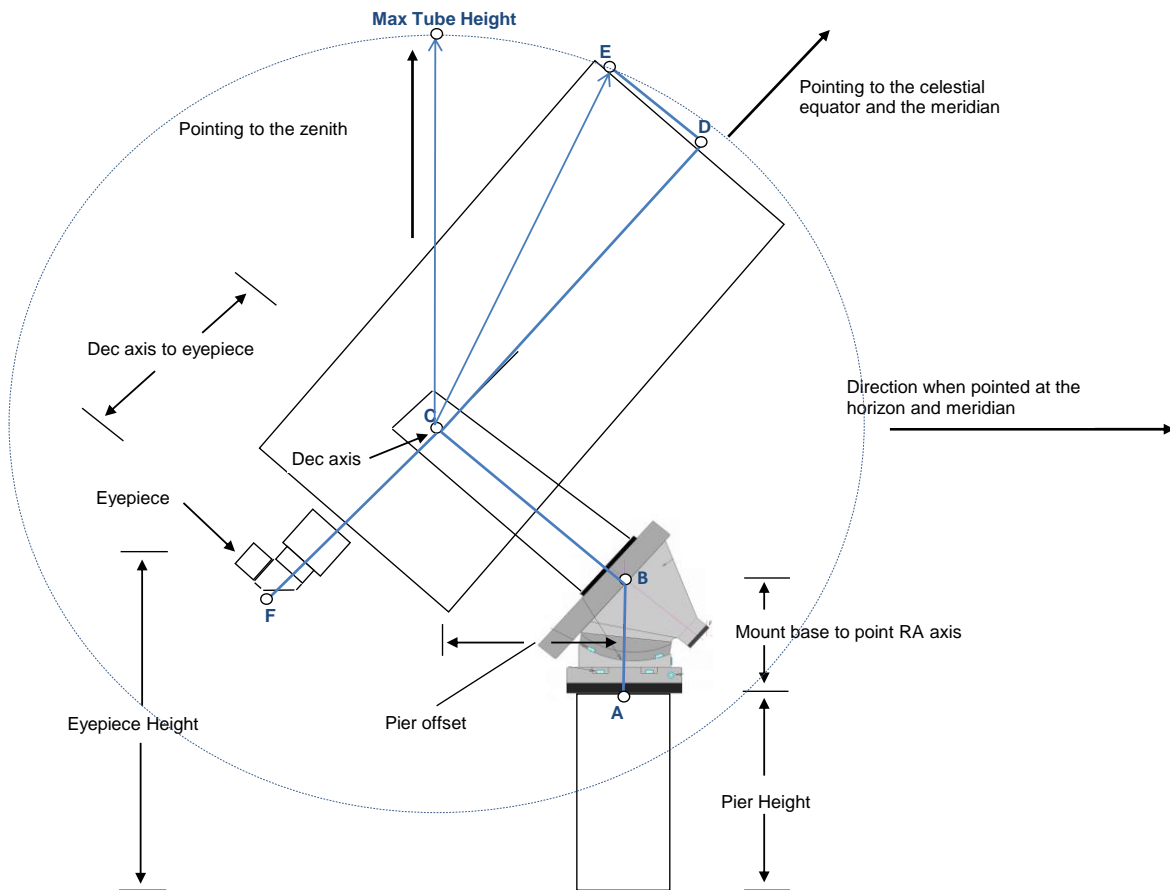
Pier Height for MI500 or MI750 Fork Mount with the CDK17 or CDK20

INPUTS

Pier Height	36 inches		
Mount base to dec axis Line AB (15.5" on MI750, 11.875" on MI500)	11.875 inches		
RA axis to Dec axis, Line BC. (31" on MI750, 28.9" on MI500 with 750 arms)	28.9 inches	17.0	inches (height based on latitude)
Dec axis to eyepiece, Line FC (about 18" on CDK20, 16" on CDK17)	16 inches	12.9	inches (pointed at celestial equator)
Dec axis to front of telescope, Line CD (~36" on CDK20, 27" on CDK17)	27 inches		
Radius of the front ring, Line DE (12.5" on CDK20, 11" on CDK17)	11		
Latitude	36 degrees		

OUTPUTS

	Inches	Feet	Dec position	Position
Eyepiece Height	64.9	5.41	54	Meridian and horizon
	51.9	4.33	0	Meridian and celestial equator
	48.9	4.07	36	Zenith
Pier offset	23.4	1.95		
Line CE calculated	29.2	2.43		
Tube Max Height	94.0	7.83		



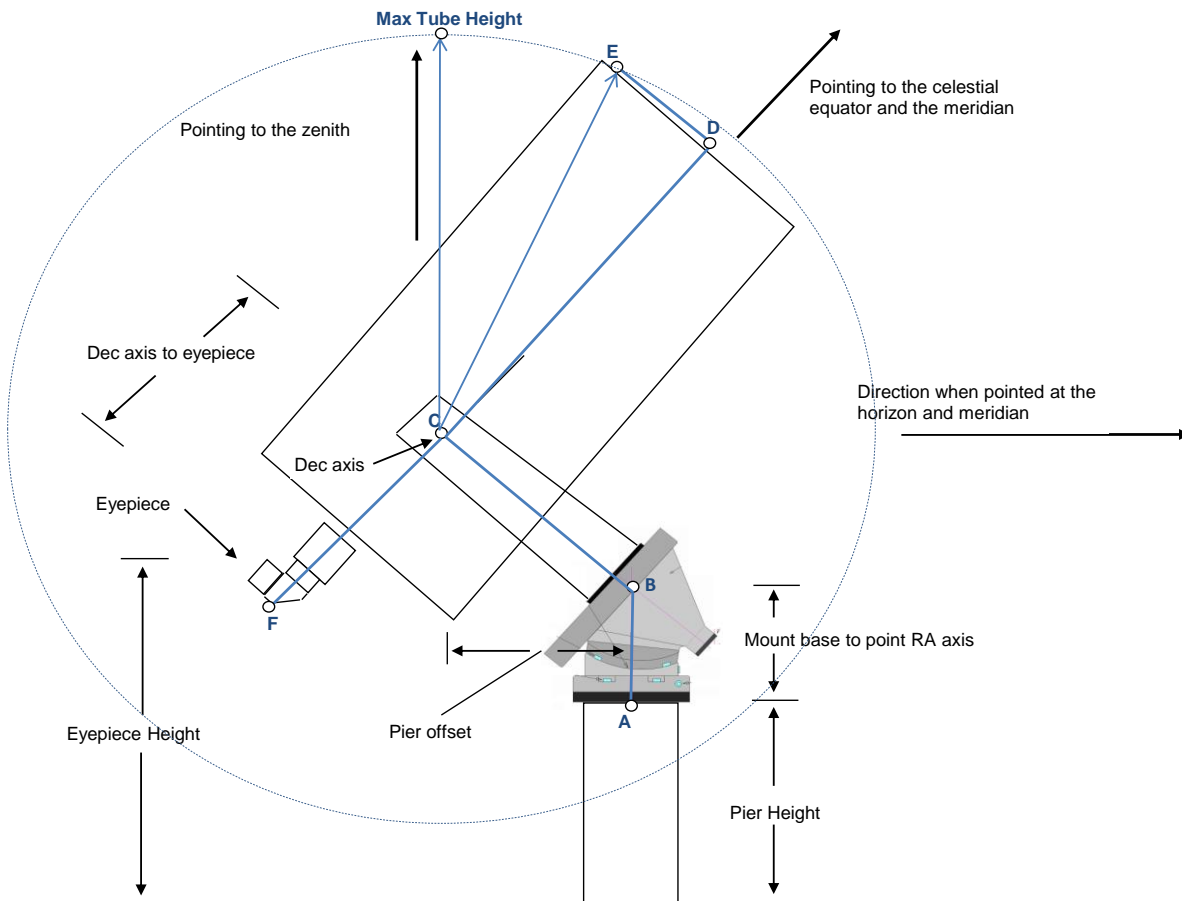
Pier Height for MI750 Fork Mount with the CDK17 or CDK20

INPUTS

Pier Height	36 inches		
Mount base to dec axis Line AB (15.5" on MI750, 11.875" on MI500)	15.5 inches		
RA axis to Dec axis, Line BC. (31" on MI750, 28.9" on MI500 with 750 arms)	31 inches	18.2	inches (height based on latitude)
Dec axis to eyepiece, Line FC (about 18" on CDK20, 16" on CDK17)	18 inches	14.6	inches (pointed at celestial equator)
Dec axis to front of telescope, Line CD (~36" on CDK20, 27" on CDK17)	36 inches		
Radius of the front ring, Line DE (12.5" on CDK20, 11" on CDK17)	12.5		
Latitude	36 degrees		

OUTPUTS

	Inches	Feet	Dec position	Position
Eyepiece Height	69.7	5.81	54	Meridian and horizon
	55.2	4.60	0	Meridian and celestial equator
	51.7	4.31	36	Zenith
Pier offset	25.1	2.09		
Line CE calculated	38.1	3.18		
Tube Max Height	107.8	8.99		

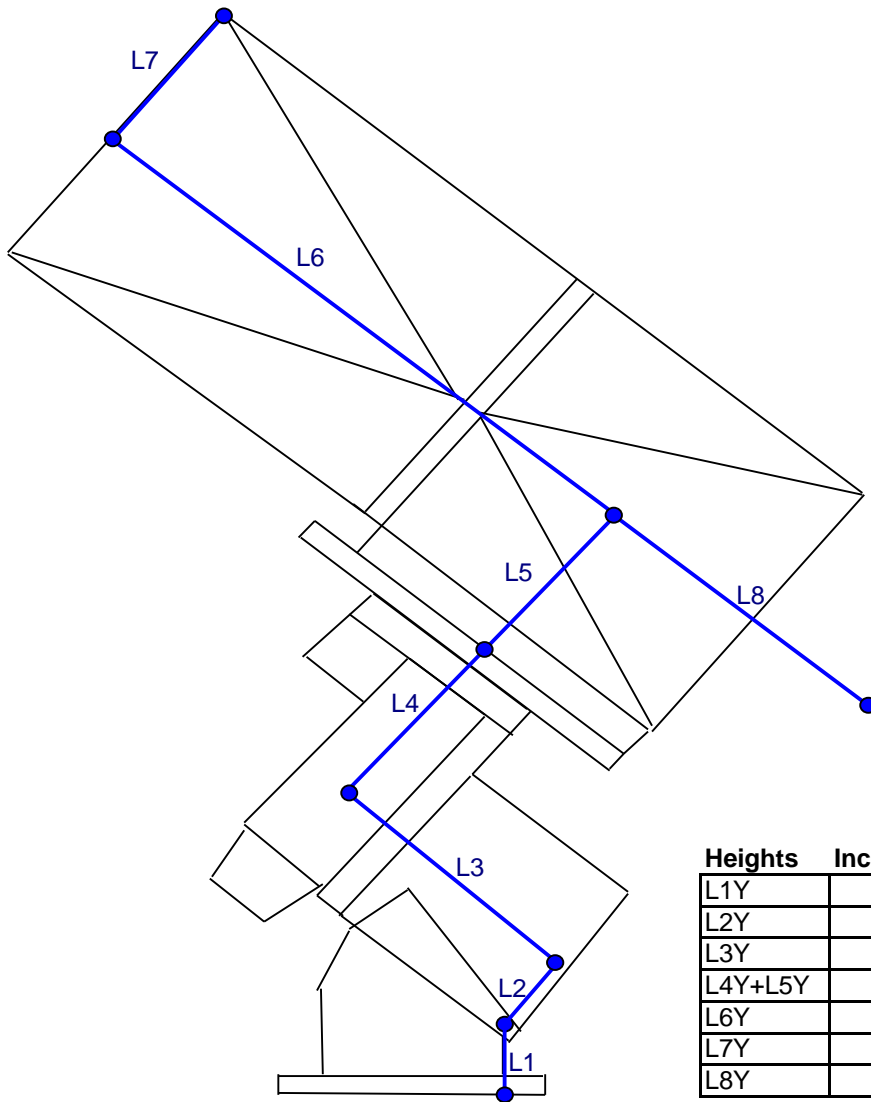


Pier Height Calculator - Paramount and CDK20

INPUTS

OUTPUTS

Edit Pier height and Lat		Mount/OTA Info		Eyepiece Heights		
Pier Height (in)	48	L1 (in)	3.25	Looking at the pole	73.9	6.16
Latitude (deg)	34	L2	7.25	East/West horizon	83.4	6.95
				North/South horizon	64.5	5.38
				Pointing at Zenith	47.5	3.96
				Tube Max Heights		
				Looking at the pole	114.4	9.54
				North/South Horizon	78.3	6.52



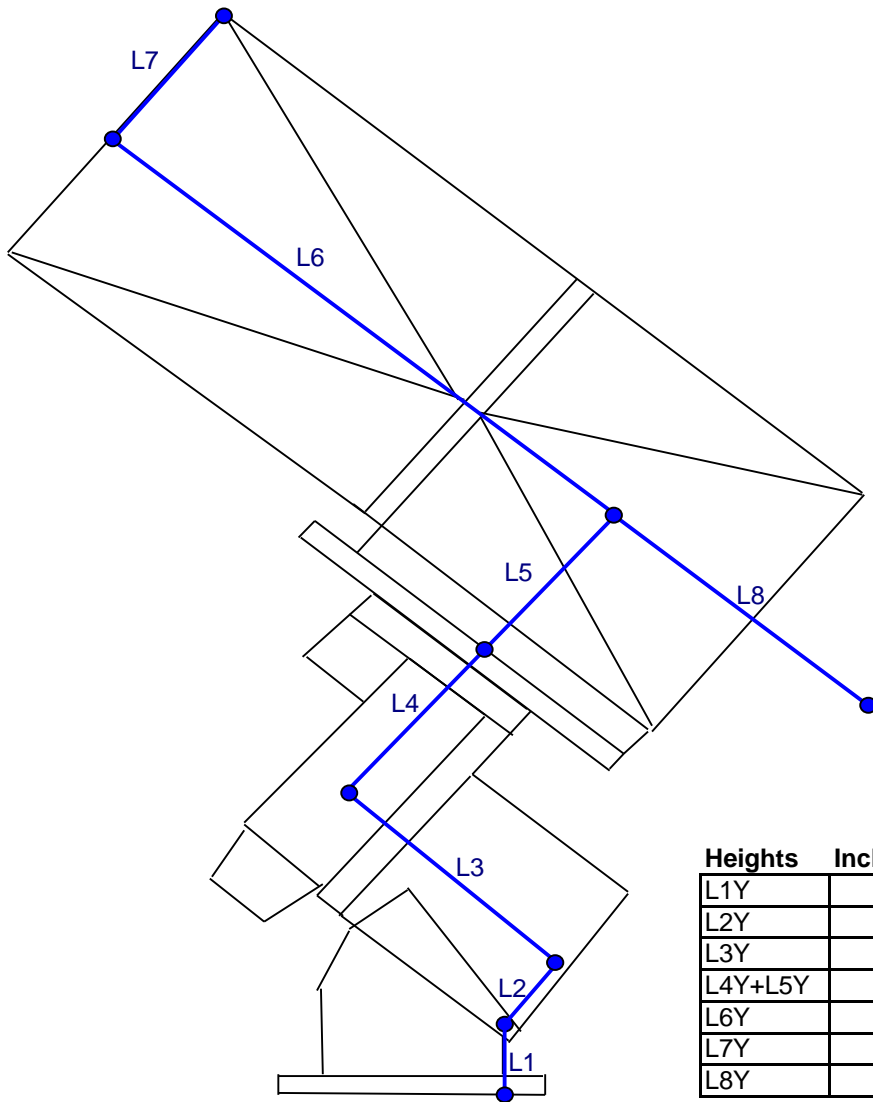
Heights	Inches
L1Y	3.250
L2Y	6.011
L3Y	7.270
L4Y+L5Y	18.861
L6Y	20.690
L7Y	10.363
L8Y	-9.506

Pier Height Calculator - Paramount and CDK17

INPUTS

OUTPUTS

Edit Pier height and Lat		Mount/OTA Info		Eyepiece Heights		
Pier Height (in)	48	L1 (in)	3.25	Looking at the pole	74.1	6.18
Latitude (deg)	34	L2	7.25	East/West horizon	82.3	6.86
				North/South horizon	64.5	5.38
				Pointing at Zenith	49.9	4.16
				Tube Max Heights		
				Looking at the pole	107.5	8.95
				North/South Horizon	77.0	6.41



Heights	Inches
L1Y	3.250
L2Y	6.011
L3Y	7.270
L4Y+L5Y	17.775
L6Y	15.199
L7Y	9.948
L8Y	-8.181

Pier Height Calculator - Ascension 200 and CDK17, 20, and 24

INPUTS

OUTPUTS

Edit Pier height and Lat		Mount/OTA Info				
Pier Height (in)	48	L1 (in)	11.5	Eyepiece Heights	(inches)	(feet)
Latitude (deg)	33	L2	20.25	Looking at the pole	79.9	6.66
		L3	10.5	East/West horizon	94.1	7.84
		L4	17.6	North/South horizon	70.5	5.88
		L5	13.75	Pointing at Zenith	56.4	4.70
		L6	41.8	Tube Max Heights		
		L7	16	Looking at the pole	130.3	10.86
		L8	26	North/South Horizon	86.5	7.21



Heights	Inches
L1Y	11.500
L2Y	11.029
L3Y+L4Y	23.567
L6Y	22.766
L7Y	13.419
L8Y	-14.161

Last Updated 3/26/10

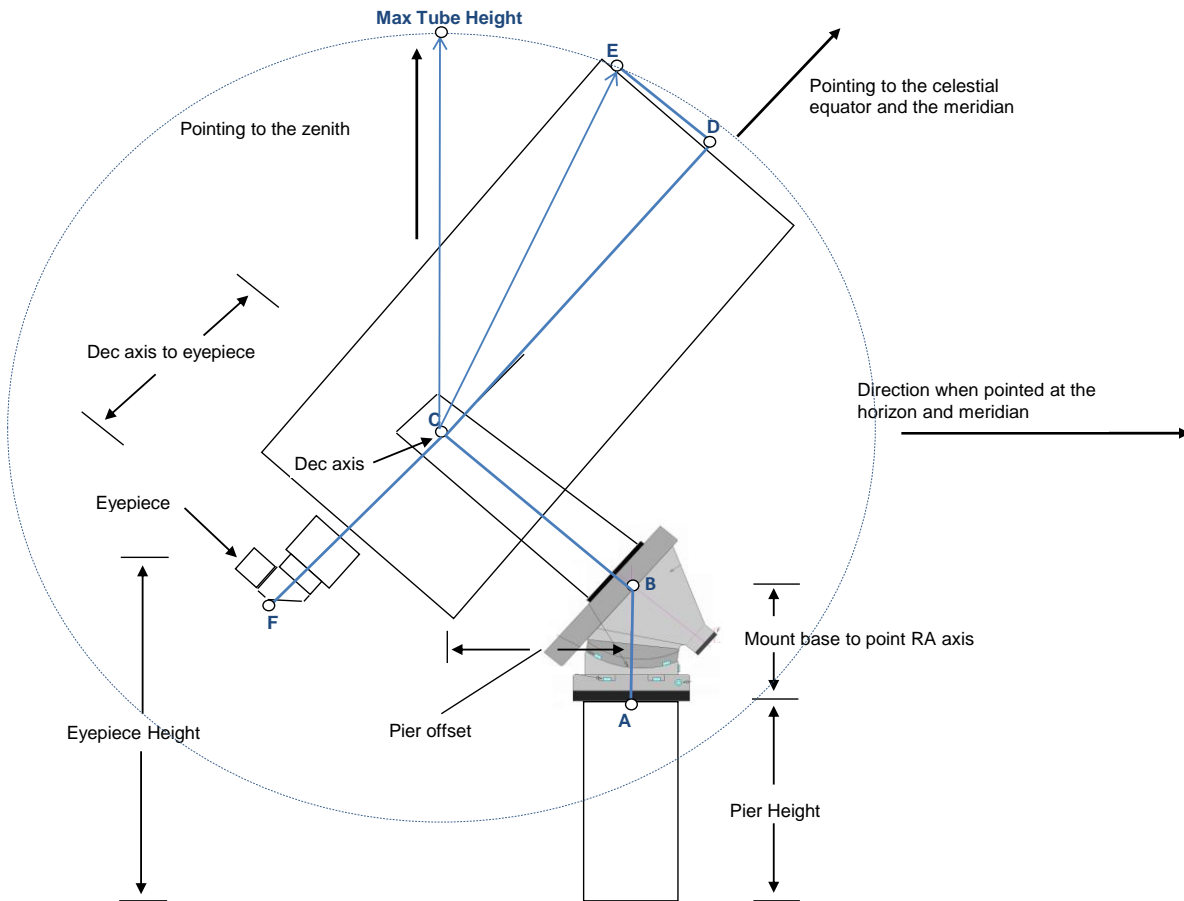
Pier Height for MI 1000 Fork Mount with the CDK24

INPUTS

Pier Height	36 inches		
Mount base to dec axis Line AB (15.5" on the MI1000, 15.5" on MI750, 11.875" on MI500)	15.5 inches		
RA axis to Dec axis, Line BC. (40.8" on the MI1000, 31" on MI750, 28.9" on MI500 with 750 arms)	40.8 inches	22.2 inches (height based on latitude)	
Dec axis to eyepiece, Line FC (about 26" on CDK24, 18" on CDK20, 16" on CDK17)	26 inches	21.8 inches (pointed at celestial equator)	
Dec axis to front of telescope, Line CD (-41.8 on CDK24, 36" on CDK20, 27" on CDK17)	41.8 inches		
Radius of the front ring, Line DE (16" on CDK24, 12.5" on CDK20, 11" on CDK17)	16		
Latitude	33 degrees		

OUTPUTS

	Inches	Feet	Dec position	Position
Eyepiece Height	73.7	6.14	57	Meridian and horizon
	51.9	4.33	0	Meridian and celestial equator
	47.7	3.98	33	Zenith
Pier offset	34.2	2.85		
Line CE calculated	44.8	3.73		
Tube Max Height	118.5	9.87		



Last Updated 3/26/10