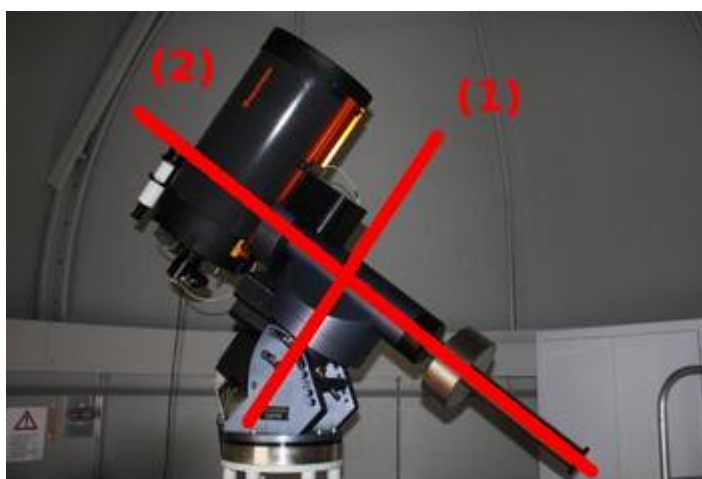


# OST Basics

## Tube

<b>Type</b>	Schmidt-Cassegrain
<b>Diameter</b>	356 mm
<b>Focal length</b>	3910 mm
<b>Spacial resolution</b>	0.3"
<b>Length of the tube</b>	78 cm
<b>Weight</b>	20.4kg

## Mounting



Axes

The mounting consists of 2 perpendicular axes:

- right ascension (1)
- declination (2).

The right ascension axis is parallel to the Earth axis, pointing towards the northern/southern celestial pole on the northern/southern hemisphere, respectively. The declination axis points towards the celestial equator.

<b>Manufacturer</b>	10 MICRON
<b>Model</b>	GM 4000
<b>Type</b>	German equatorial mount

## Astronomical coordinates

	Degree, minutes, seconds	Decimal degrees	Degree, decimal minutes
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<b>Latitude</b>	52° 24' 33,0624" N	52.409184	52° 24.55104 N
<b>Longitude</b>	12° 58' 23,4666" O	12.973185	12° 58.39111 O
<b>Altitude</b>	39 m $\pm$ 5 m		

## Dome

The dome is made out of fibre-reinforced plastic (FRP). It was build and set up by Baader-Planetarium. The dome automatically follows the movement of the telescope. However, the azimuth, the hatch, and the shutter can be manually controlled by an infrared remote control.

**Diameter** 5.2 m

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