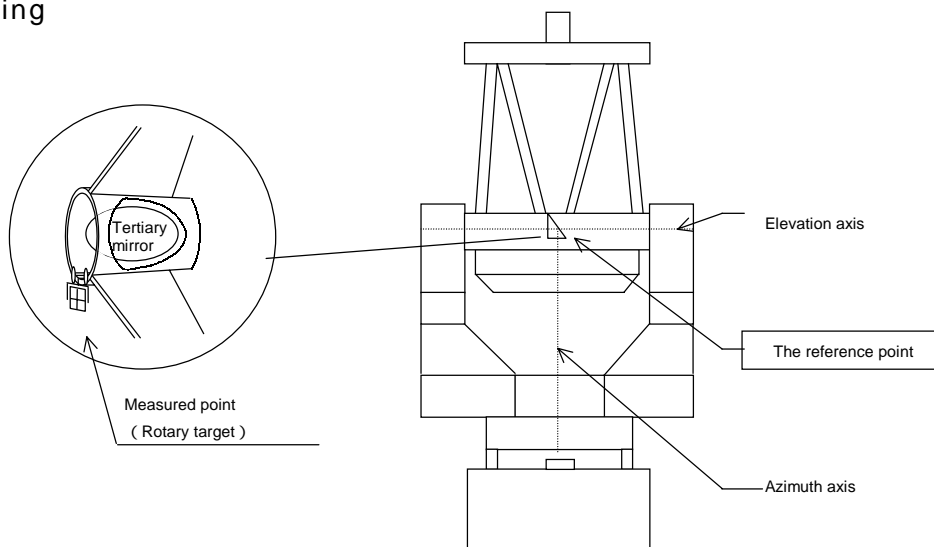


# Record of surveying Points

Station name	Koganei station	Type of marker	Intersection of axes
Name	SLR telescope reference point	Type of Target	Rotary sheet-type
Name of point	S L R C P 0	Size of Target	5 0 m m

Detailed drawing



Rough sketch of the area near the point

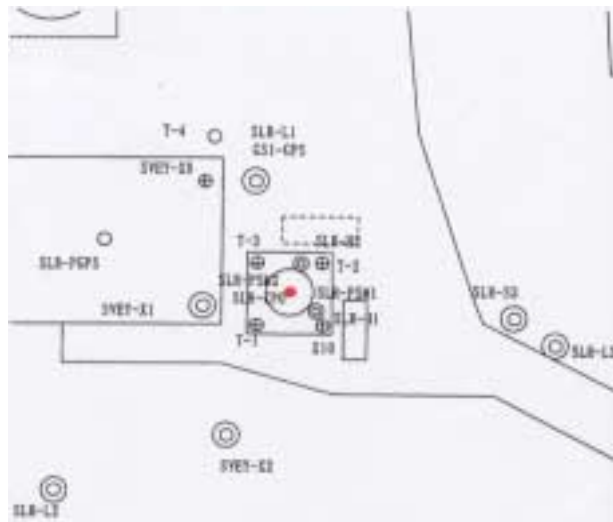
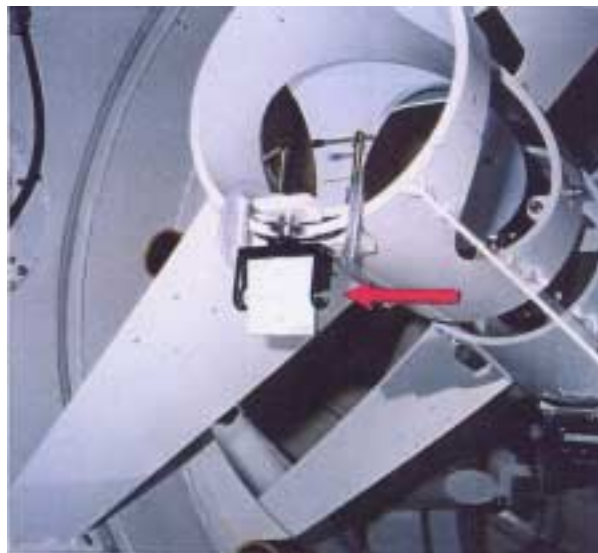


Photo of the point



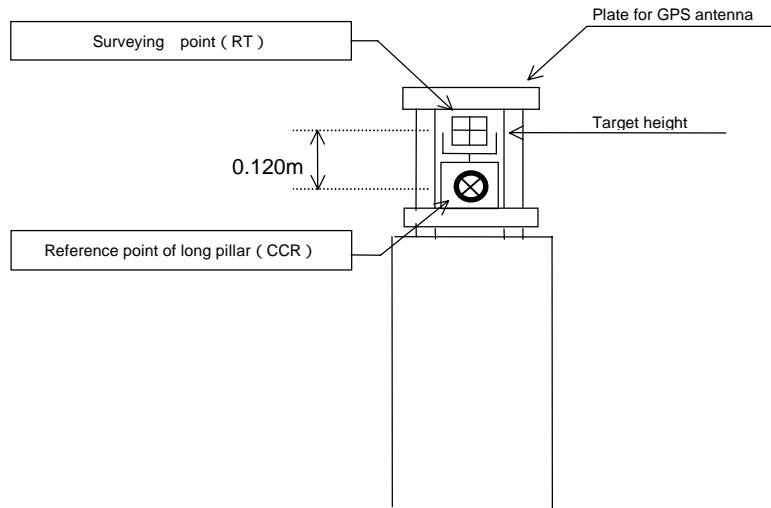
Remarks

The SLR telescope reference point( intersection of Az-El drive axes )on its tertiary mirror was calculated by least square method using target's nine positions, that were measured whenever SLR telescope was rotated 3 directions around azimuth axis and 3 directions around elevation axis.

# Record of Surveying Points

Station name	Koganei station	Type of marker	Reflective mirror
Name	SLR external geodetic survey reference point (long pillar)	Type of Target	Rotary sheet-type
Name of point	S L R L 1	Size of Target	5 0 m m

Detailed drawing



Rough sketch of the area near the point

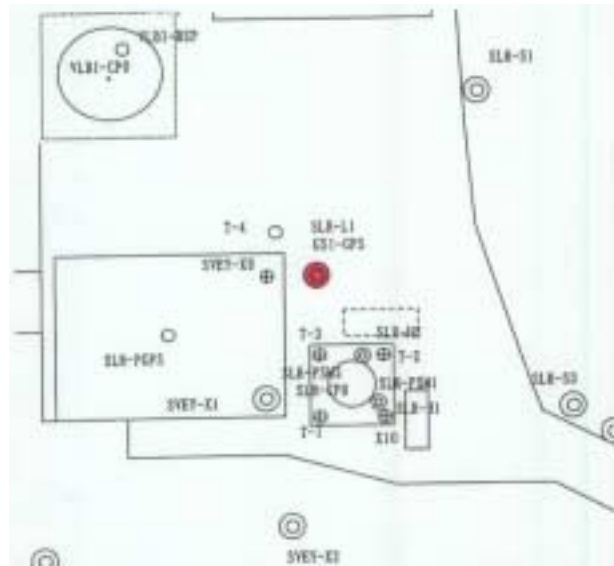


Photo of the point



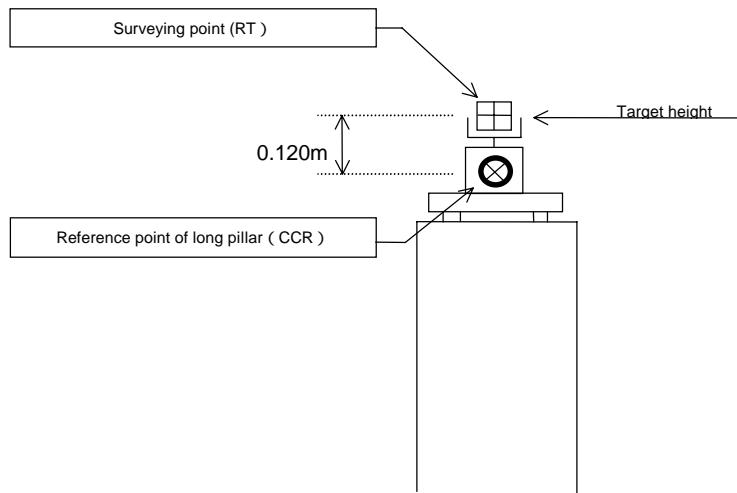
Remarks

The target height was set to zero.

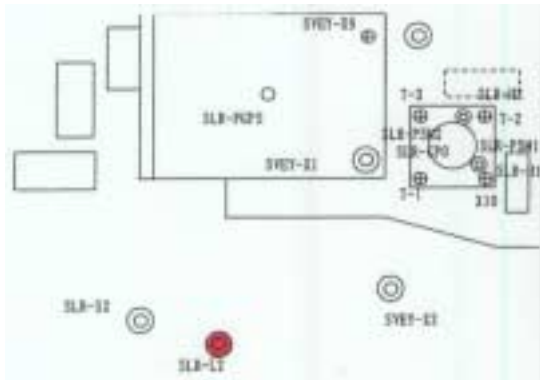
# Record of Surveying Points

Station name	Koganei station	Type of marker	Reflective mirror
Name	SLR external geodetic survey reference point (long pillar)	Type of Target	Rotary target
Name of point	S L R - L 2	Size of Target	5 0 m m

**Detailed drawing**



**Rough sketch of the area near the point**



**Photo of the point**



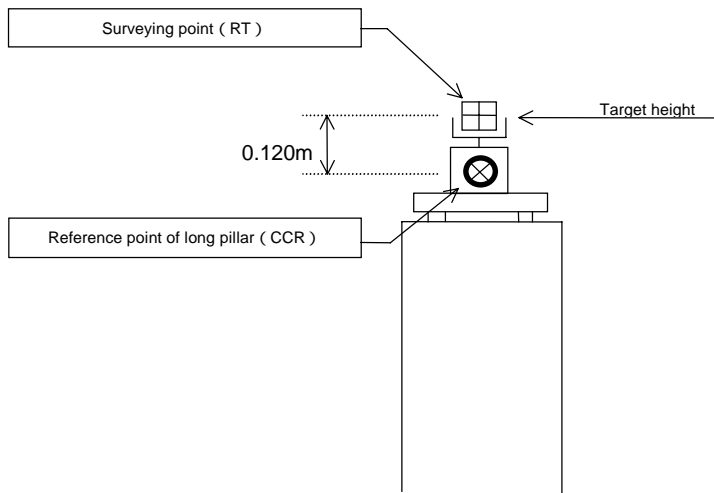
**Remarks**

The target height was set to zero.

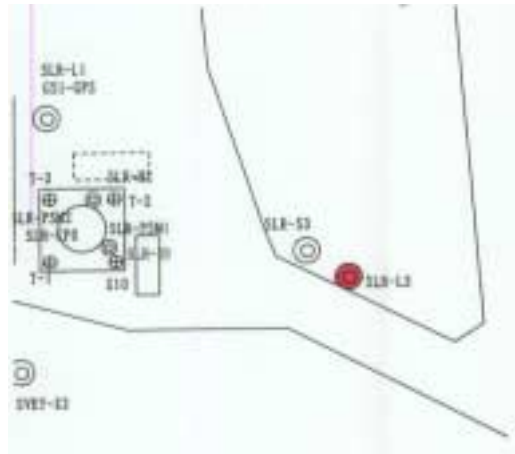
# Record of Surveying Points

Station name	Koganei station	Type of marker	Reflective mirror
Name	SLR external geodetic survey reference point (long pillar)	Type of Target	Rotary sheet-type
Name of point	S L R - L 3	Size of Target	5 0 m m

**Detailed drawing**



**Rough sketch of the area near the point**



**Photo of the point**



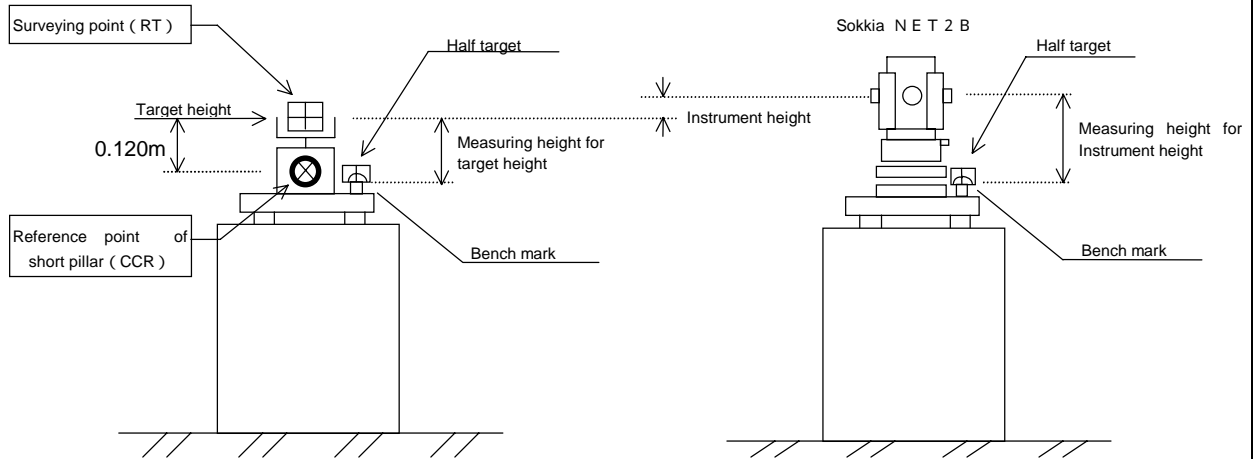
**Remarks**

The target height was set to zero.

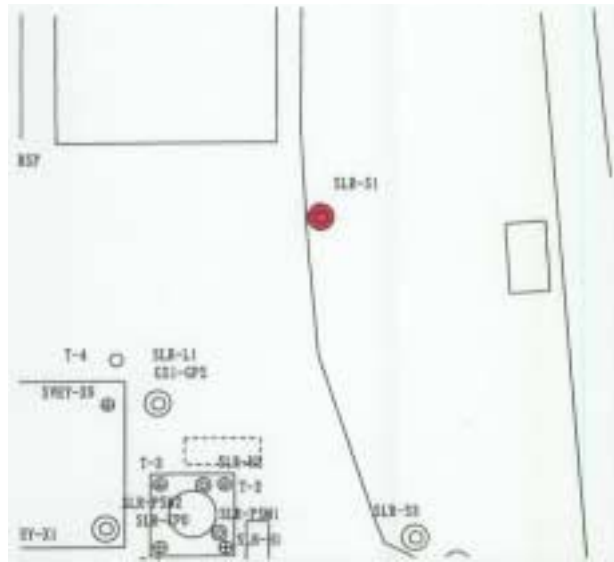
# Record of Surveying Points

Station name	Koganei station	Type of marker	Reflective mirror
Name	SLR external geodetic survey reference point (short pillar)	Type of Target	Rotary sheet-type
Name of point	S L R - S 1	Size of Target	5 0 m m

## Detailed drawing



## Rough sketch of the area near the point



## Photo of the point



## Remarks

The target height was set to zero and the instrument height was measured and calculated.

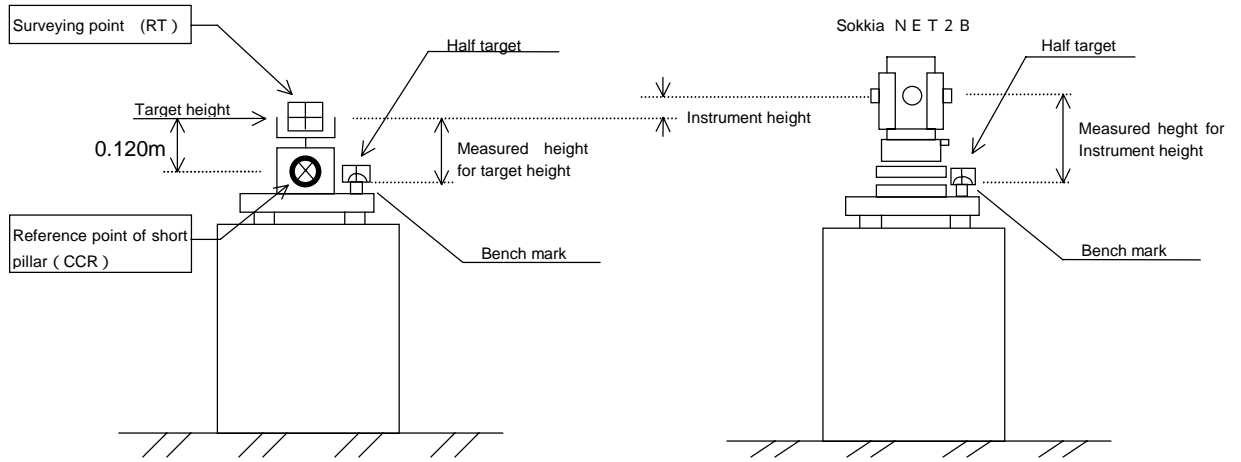
$$\text{Instrument height} = \text{Measured instrument height} - \text{measured target height}$$

The bench mark of short pillar was measured by using the lower part of the half target.

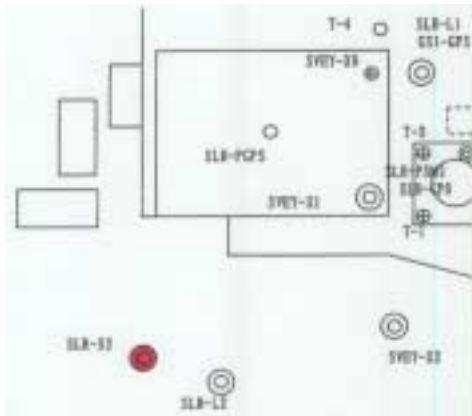
# Record of Surveying Points

Station name	Koganei station	Type of marker	Reflective mirror
Name	SLR external geodetic survey reference point (short pillar)	Type of Target	Rotary target
Name of point	S L R - S 2	Size of Target	5 0 m m

## Detailed drawing



## Rough sketch of the area near the point



## Photo of the point



## Remarks

The target height was set to zero and the instrument height was measured and calculated.

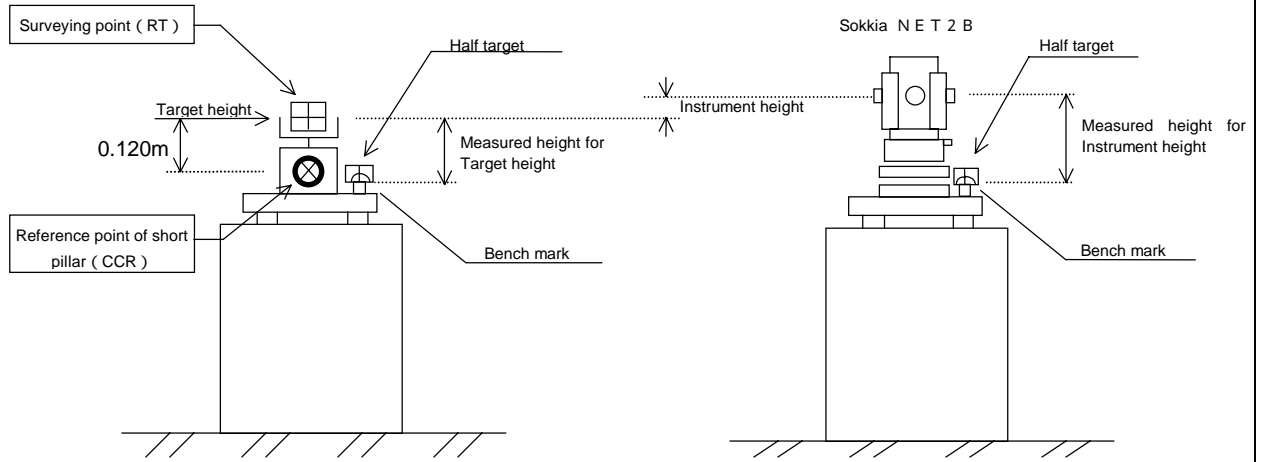
$$\text{Instrument height} = \text{Measured instrument height} - \text{measured target height}$$

The bench mark of short pillar was measured by using the lower part of the half target.

# Record of Surveying Points

Station name	Koganei station	Type of marker	Reflective mirror
Name	SLR external geodetic survey reference point (short pillar)	Type of Target	Rotary sheet-type
Name of point	S L R - S 3	Size of Target	5 0 m m

## Detailed drawing



## Rough sketch of the area near the point



## Photo of the point



## Remarks

The target height was set to zero and the instrument size height was measured and calculated.

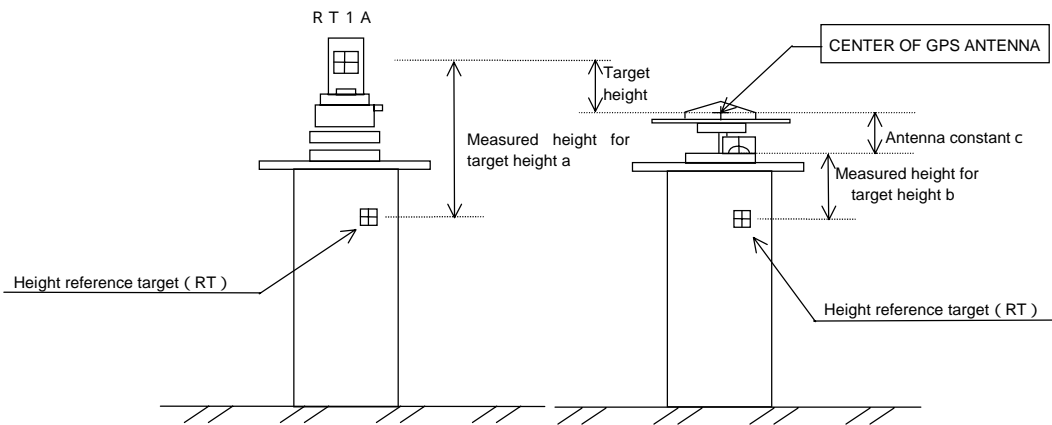
$$\text{Instrument height} = \text{Measured instrument height} - \text{measured target height}$$

The bench mark of short pillar was measured by using the lower part of the half target.

# Record of Surveying Points

Station name	Koganei station	Type of marker	Center of GPS Antenna
Name	GPS antenna for SLR geodetic survey	Type of Target	R T 1 A
Name of point	S L R - P G P S	Size of Target	9 0 m m

Detailed drawing



Rough sketch of the area near the point



Photo of the point



Remarks

The target height was measured and calculated from the height reference target.

$$\text{Target height} = a - b - c$$