

### 1.11 Survey of 26mVLBI Antenna reference Point

- 1) In 1999, the survey of the reference point of 26m VLBI antenna was conducted through the same “indirect method” applied for the survey of the reference point of 36mVLBIantenna.
- 2) As displayed in Table 21, the results gained from the calculation of the spherical center (reference point) by applying the method of least squares to the eighteen (18) positioning coordinates that were set separately by shifting the positions around the spherical surface showed evidently that this reference point was appropriately determined.

Table 21 Results of the calculation of the spherical center using the method of least squares

Maximum value of the residual (mm)			Standard deviation of the spherical center (mm)		
X	Y	H	SD <sub>X</sub>	SD <sub>Y</sub>	SD <sub>H</sub>
0.8	1.1	1.1	0.3	0.3	0.4