

Table 12.1 Uncertainties in the VLBI delay model

Model component	Delay maximum (mm)	Delay error (mm)
Pure geometric delay	6×10^9	—
Earth orbital motion	6×10^5	1
Gravitational delay	2×10^3	2
UT and polar motion	2×10^4	2
Nutation/precession	3×10^5	5
Tectonic motion	100	1
Tidal motion	500	3
Non-tidal motion	50	5
Antenna structure	1000	4
Instrumentation	30 000	5
Source structure	50	10
Ionosphere (8 GHz)	100	10
Troposphere at zenith	2000	20