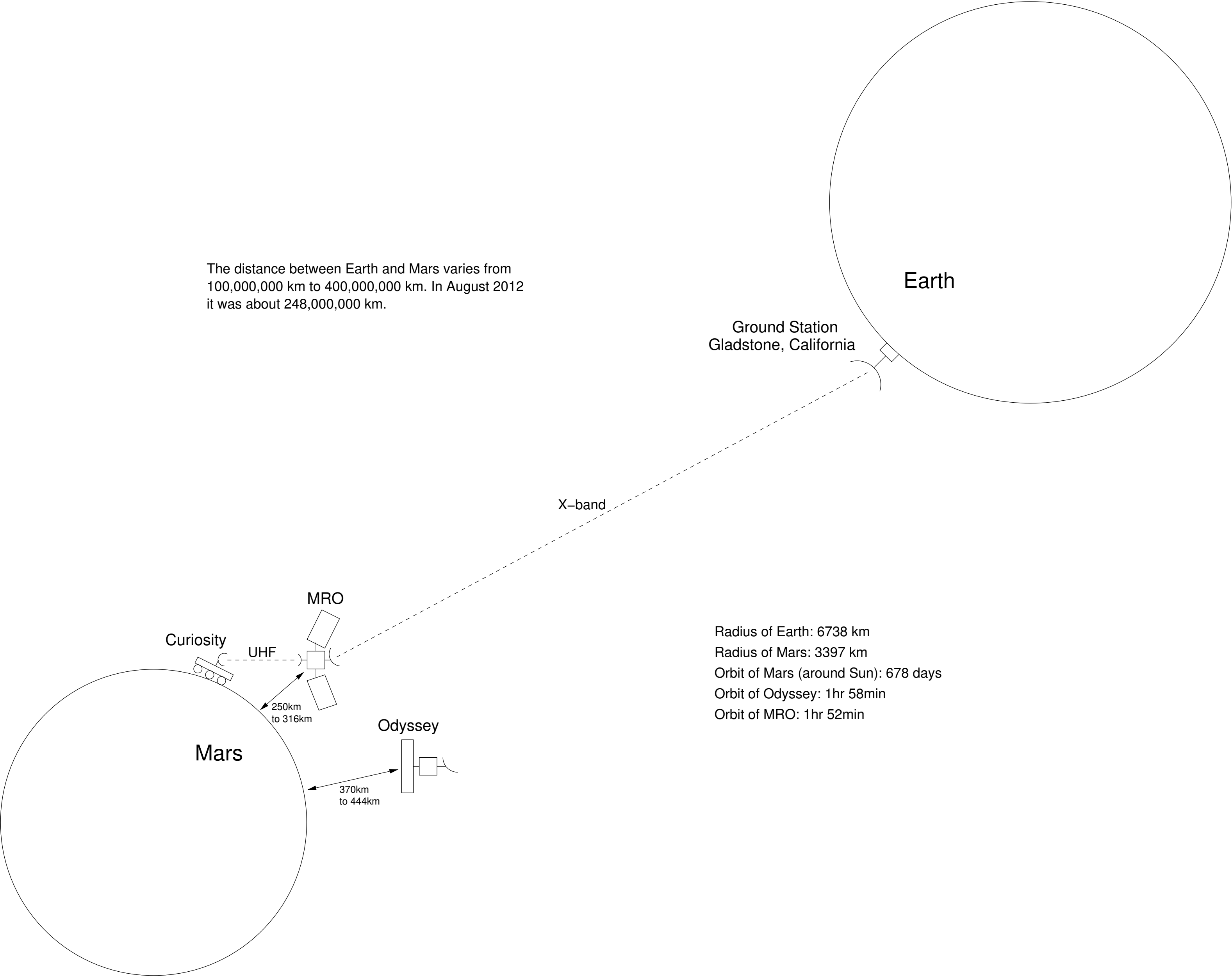


The distance between Earth and Mars varies from 100,000,000 km to 400,000,000 km. In August 2012 it was about 248,000,000 km.



Ground Station  
Gladstone, California

Earth

X-band

UHF

MRO

Curiosity

Mars

Odyssey

250km  
to 316km

370km  
to 444km

Radius of Earth: 6738 km  
Radius of Mars: 3397 km  
Orbit of Mars (around Sun): 678 days  
Orbit of Odyssey: 1 hr 58min  
Orbit of MRO: 1 hr 52min