

Figure 1: ECEF, ECI coordinate systems

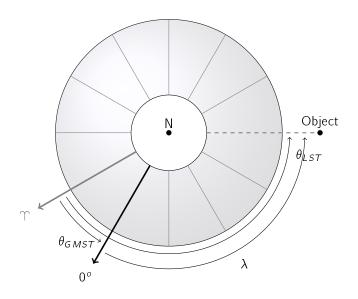


Figure 2: GMST, LST and Latitude relation

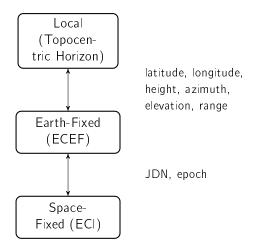


Figure 3: Transformation workflow

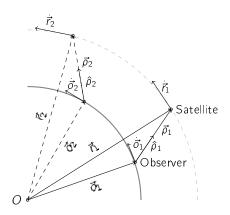


Figure 4: Scenario

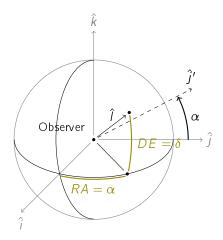


Figure 5: Scenario

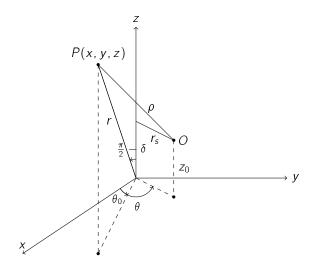


Figure 6: Scenario

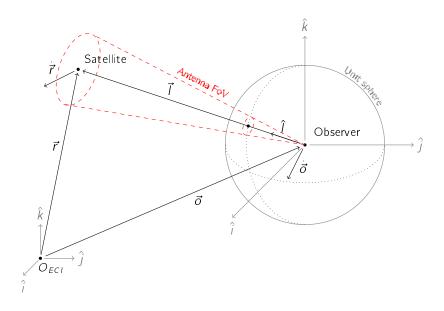


Figure 7: Scenario

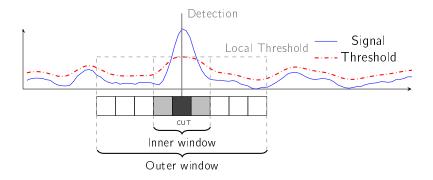


Figure 8: Scenario