

AMSR-E Observation Times

AMSR-E observes a given location on Earth from zero to eight times per day depending on latitude, longitude, and phase of Aqua's orbit. Figure 1 shows the minimum, maximum, and average number of times that AMSR-E observes a location at a given latitude. The average is around one-degree latitude bands.

For example, at the equator on a given day, AMSR-E does not observe certain longitudes that fall between orbits on that day. At other longitudes, where subsequent orbits overlap, AMSR-E observes that point twice per day. On the average, AMSR-E observes each longitude at the equator slightly more than once per day.

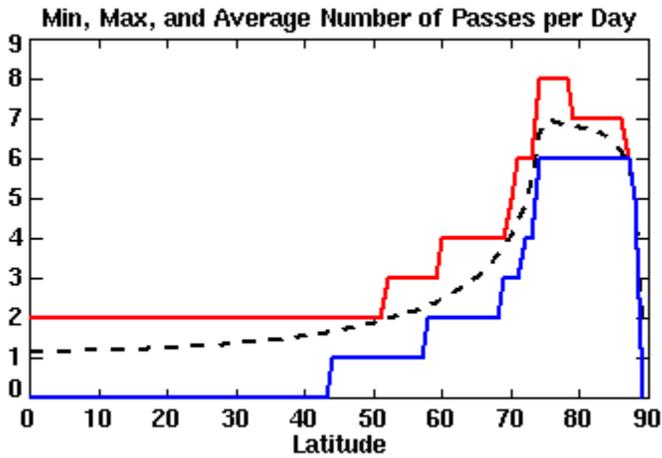


Figure 1. AMSR-E Observaton Pass Times Per Day