

Oscillations in Venus neutral atmosphere

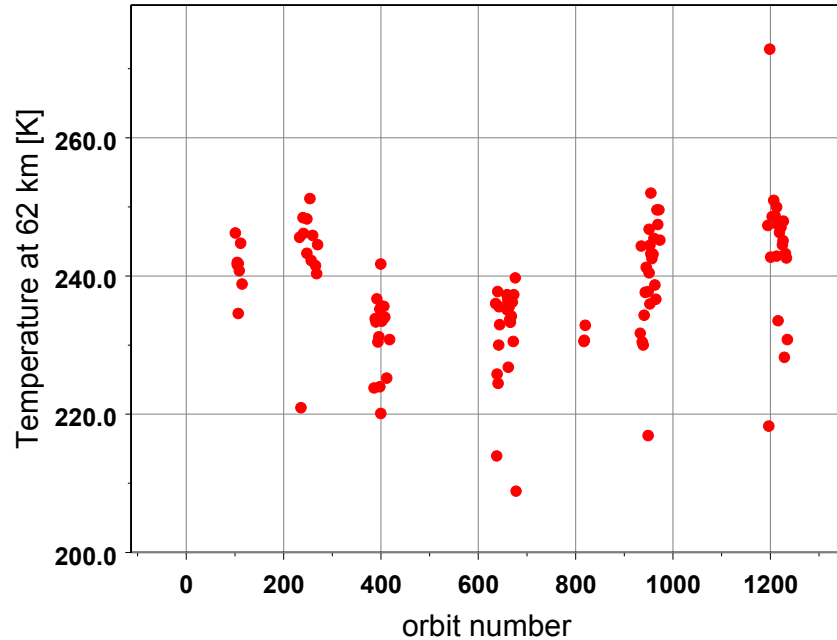
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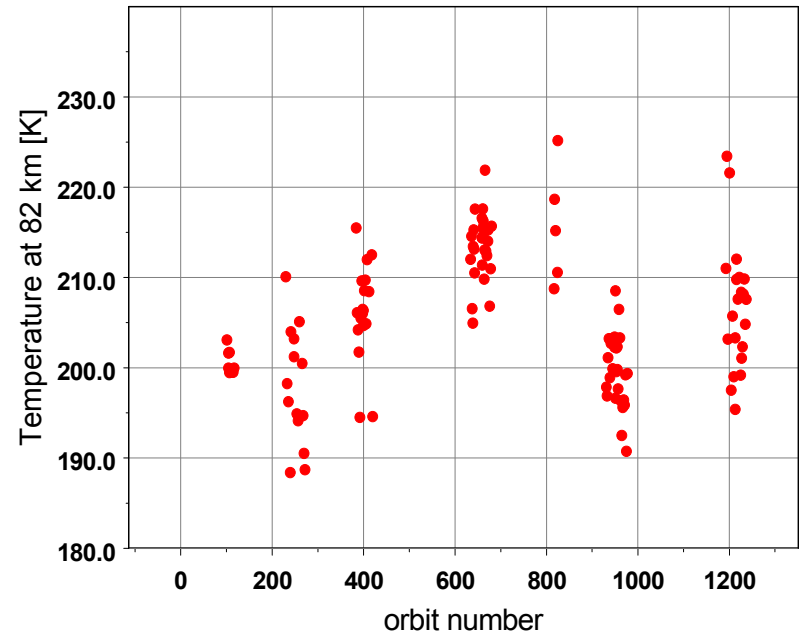
MEX/VEX Radio Science Meeting
2010.08.03-04
Sugarbowl, Nevada

Orbit Dependency at the Poles (From Silvia's presentation in Bonn)

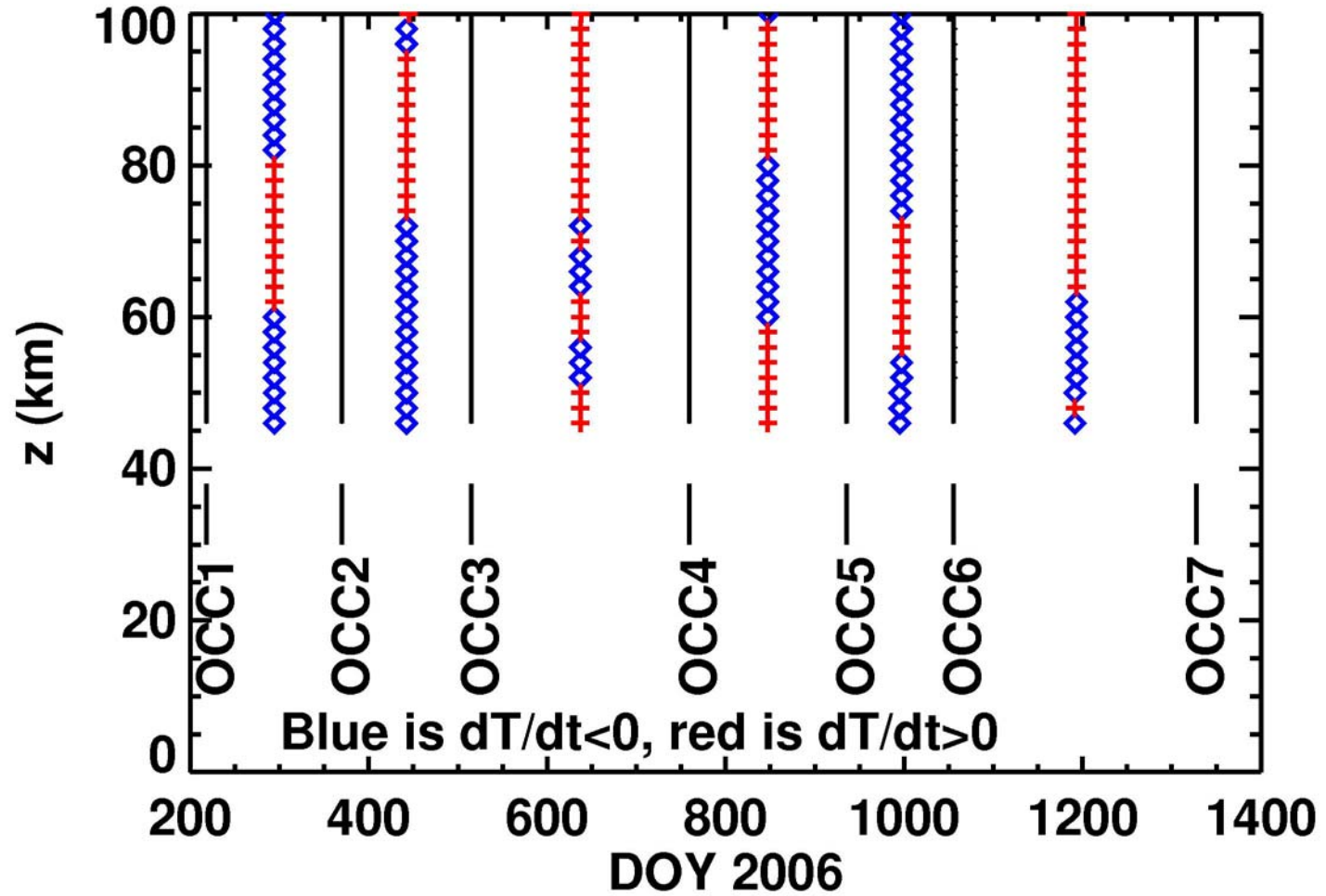
62 km



82 km

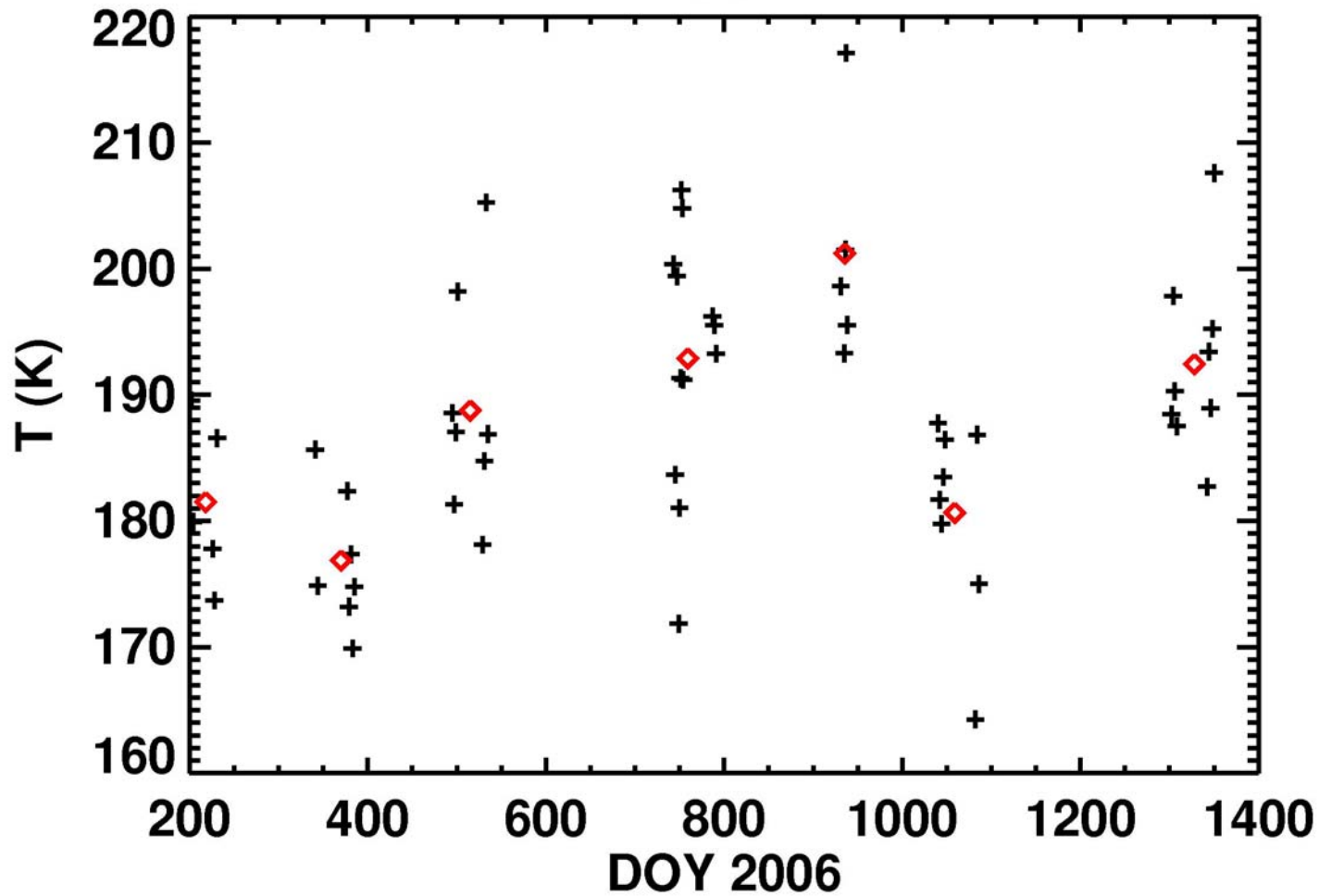


Are these some kind of long-period oscillation in the atmosphere?



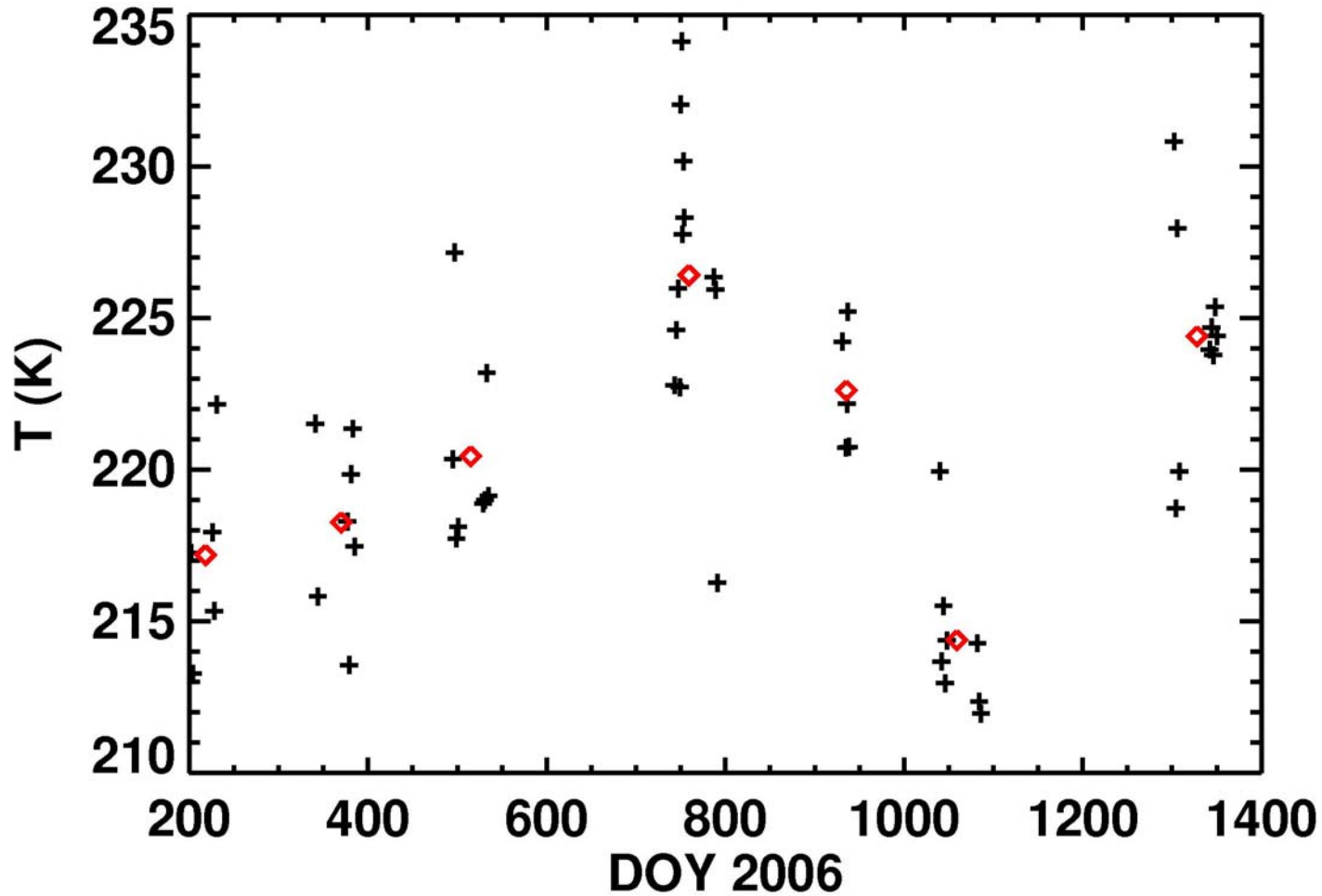
Coherent structures seem to be present

z = 88 km



z = 88 km

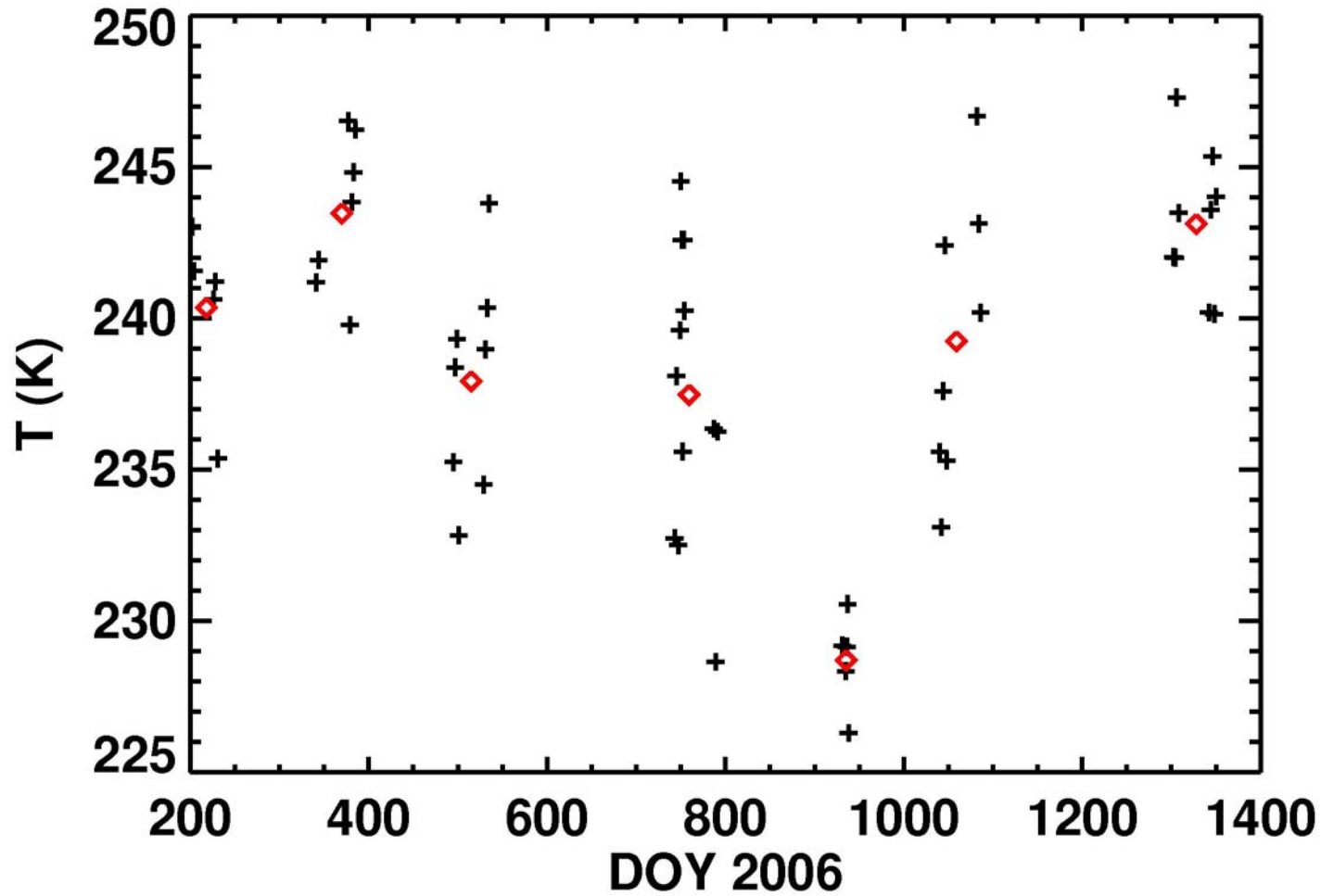
z = 78 km



$z = 88$ km

$z = 78$ km

$z = 68$ km

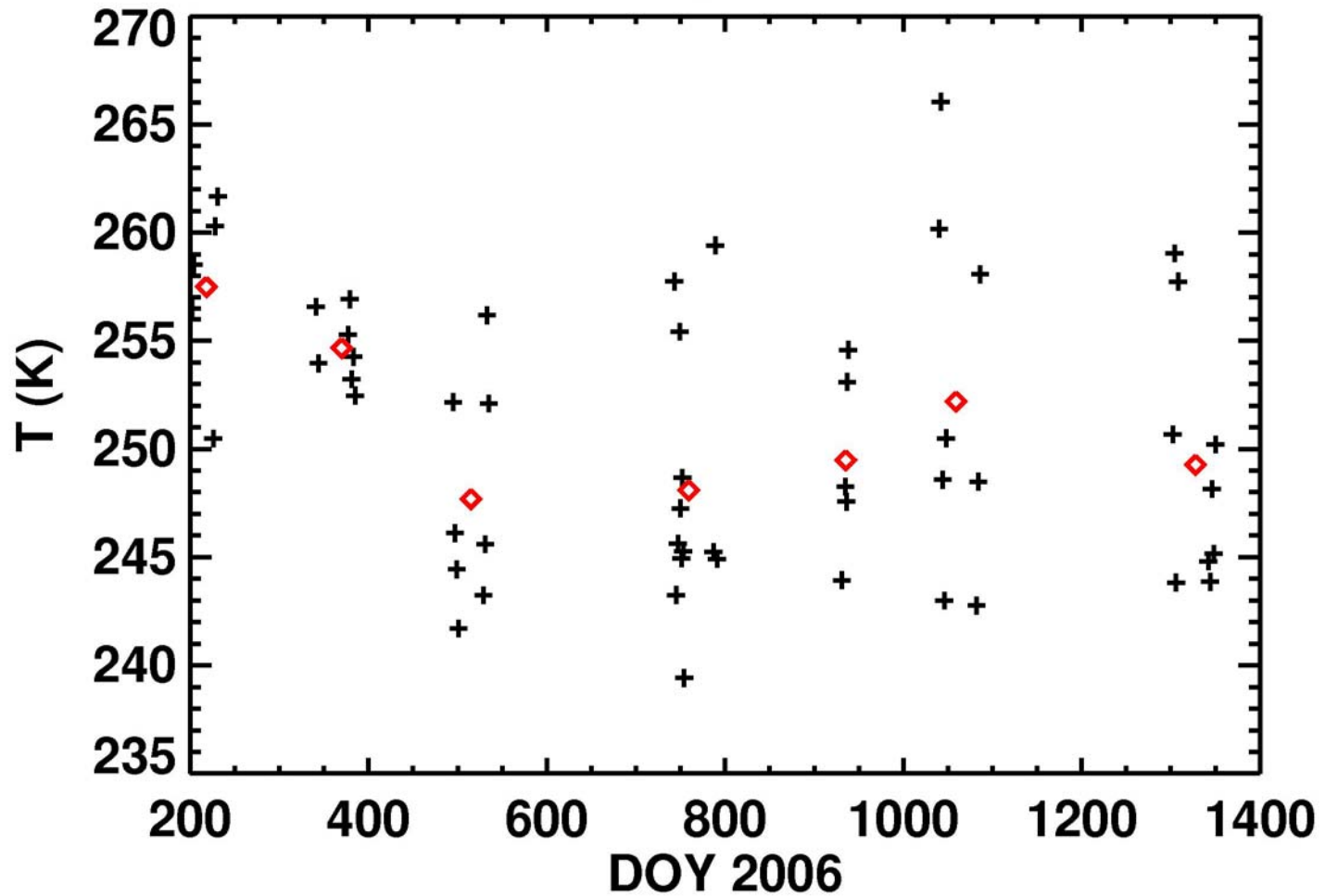


$z = 88$ km

$z = 78$ km

$z = 68$ km

$z = 58$ km



z = 88 km

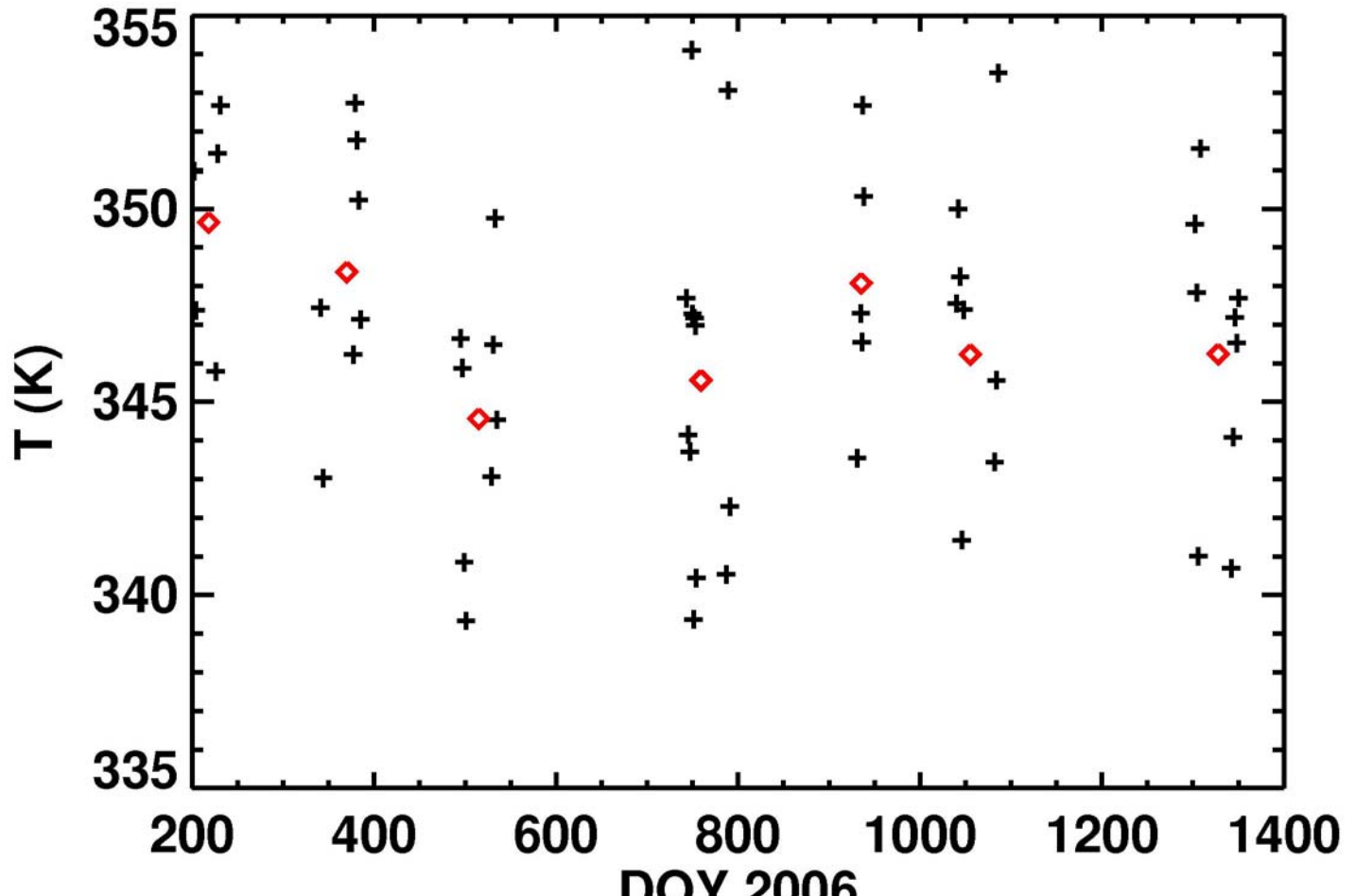
z = 78 km

Period is ~700-1000 days **z = 68 km**

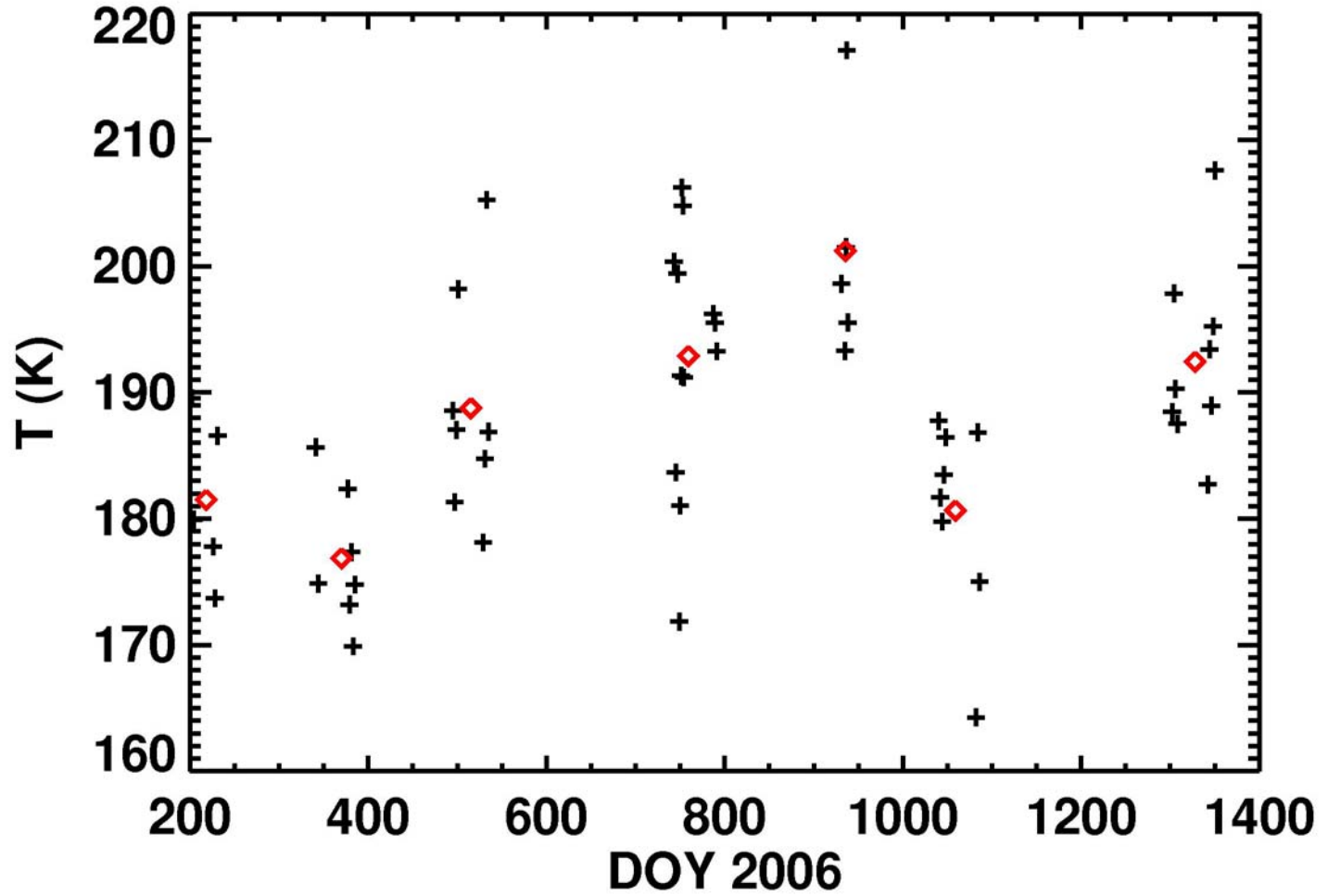
Anyone know an atmospheric **z = 58 km**

dynamicist who could interpret these?

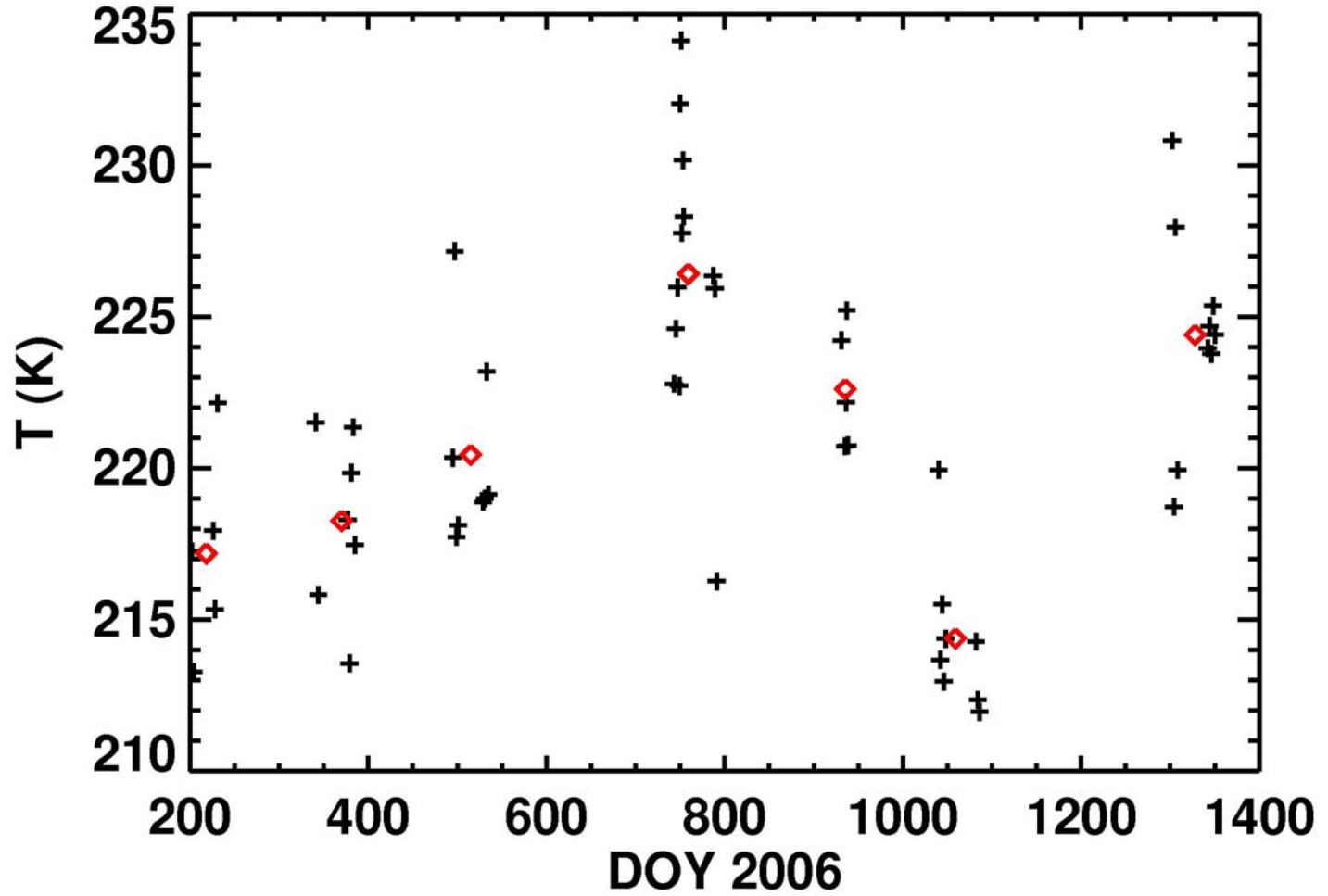
z = 48 km



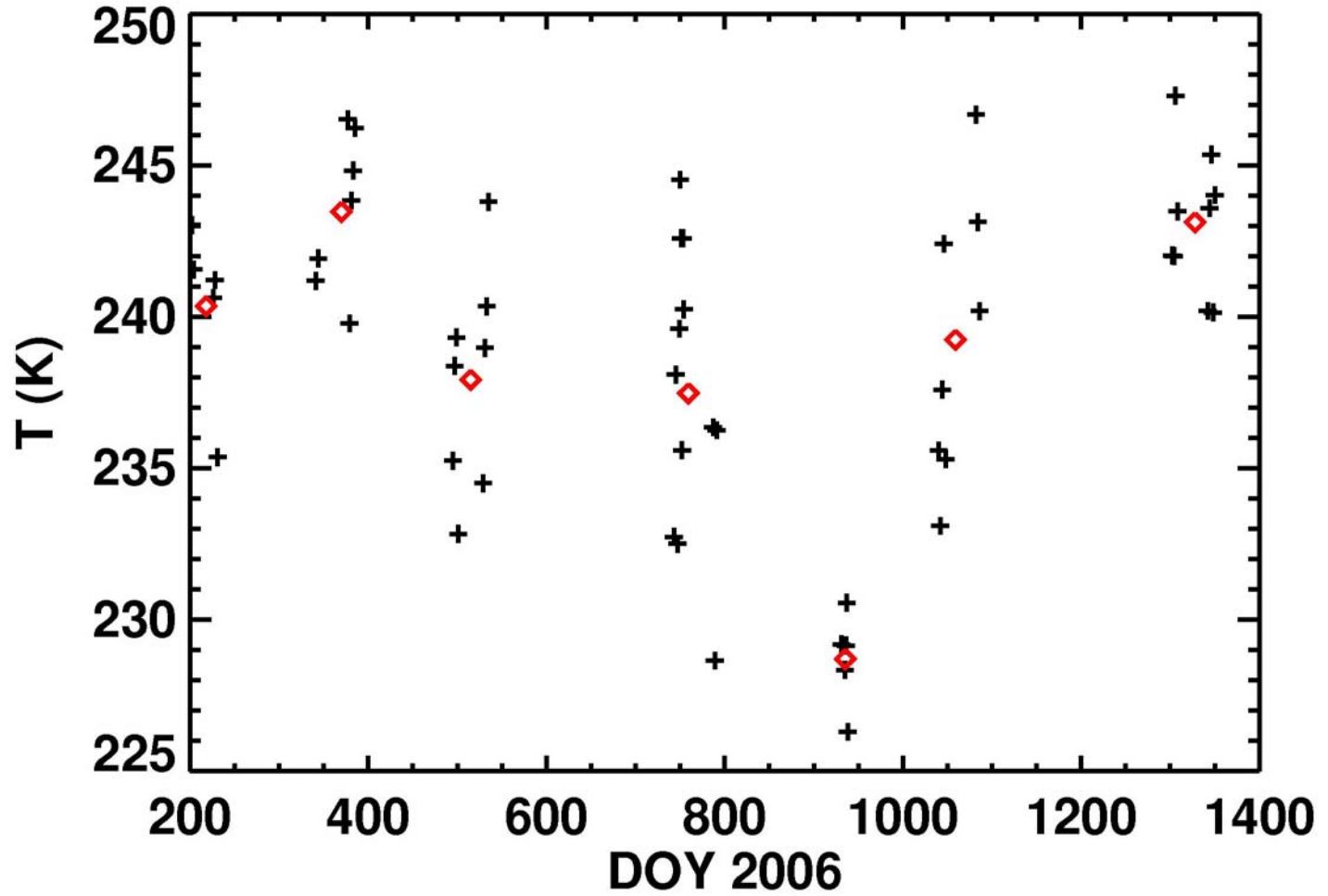
z = 88 km



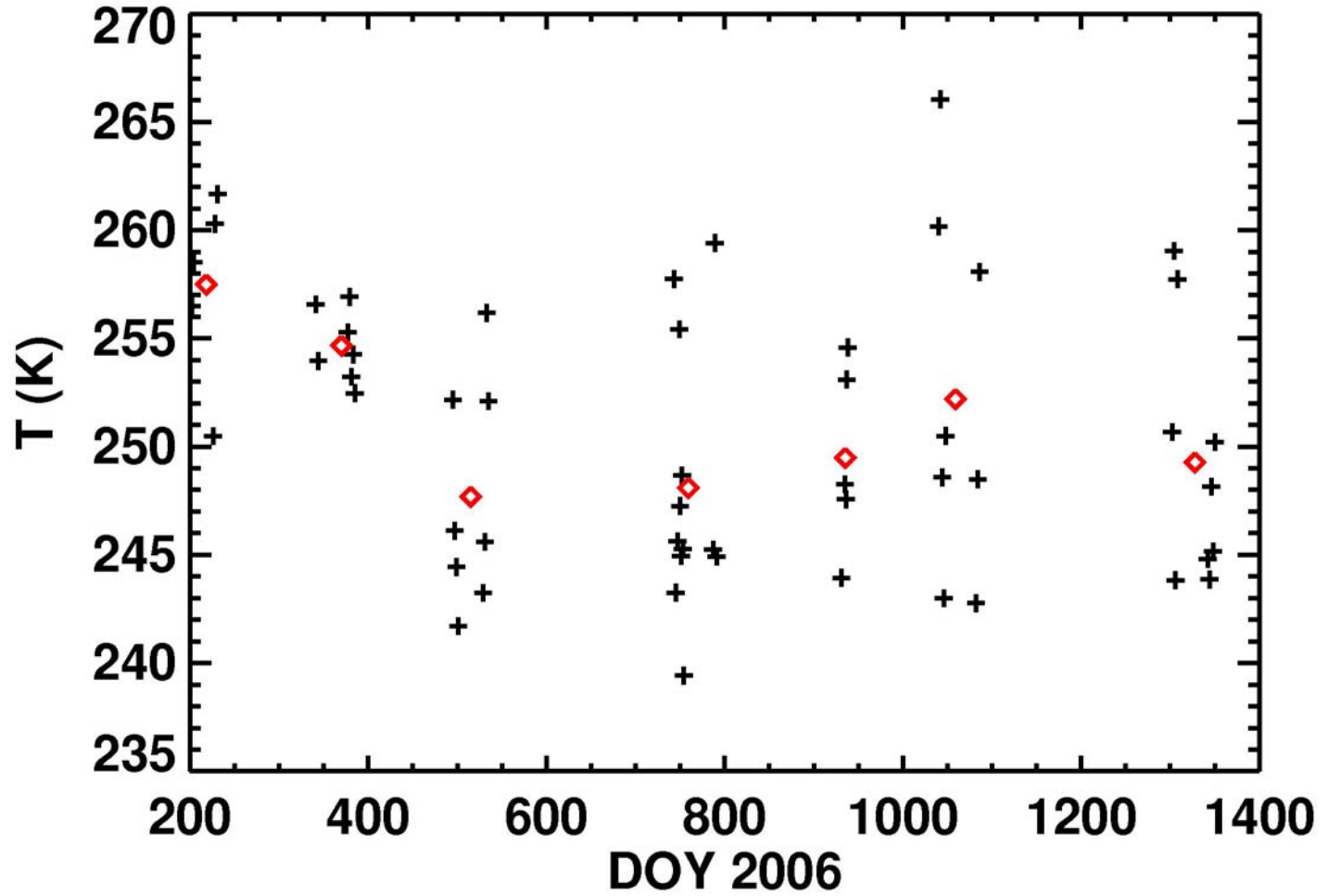
$z = 78$ km



z = 68 km



z = 58 km



z = 48 km

