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Title	Simplified thermal analyses of the ASTRI SST- 2M telescope structure
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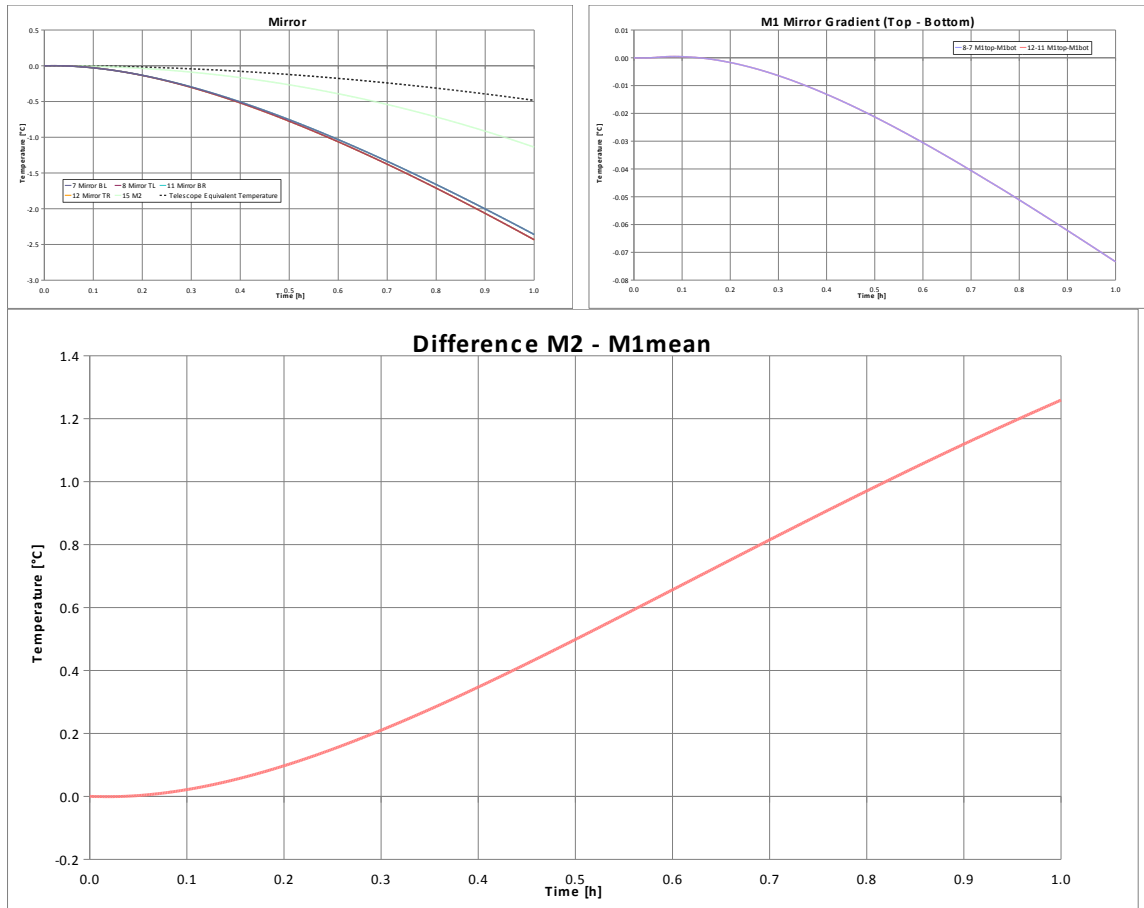


Figure 12 Temperature profiles and gradients across the mirrors for the T2 load case.

6.3 T3 – transition day-night (linear from 0 to -10°C in 4 h, zenith pointing, no wind)

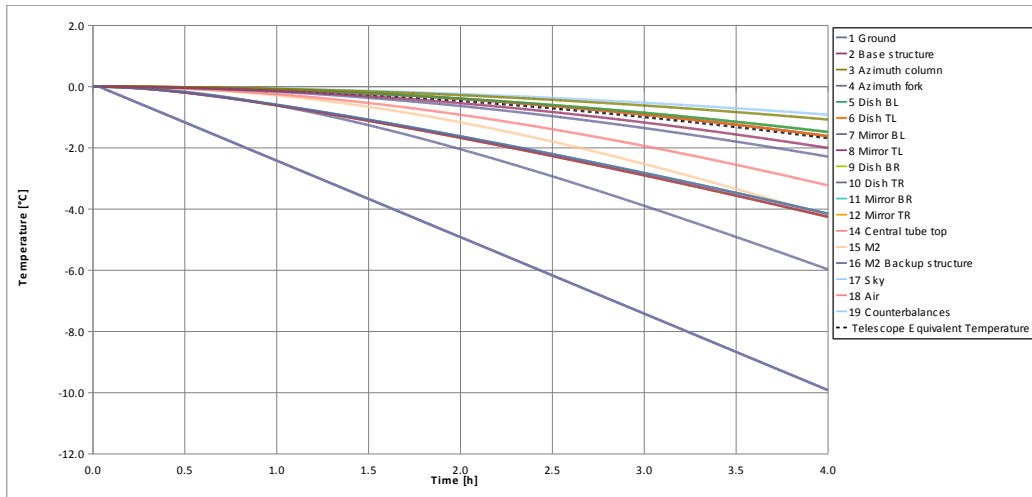


Figure 13 Global behaviour of all the thermal nodes implemented in the model and air temperature profile for the T3 load case (coloured lines). Telescope equivalent temperature (dashed line).

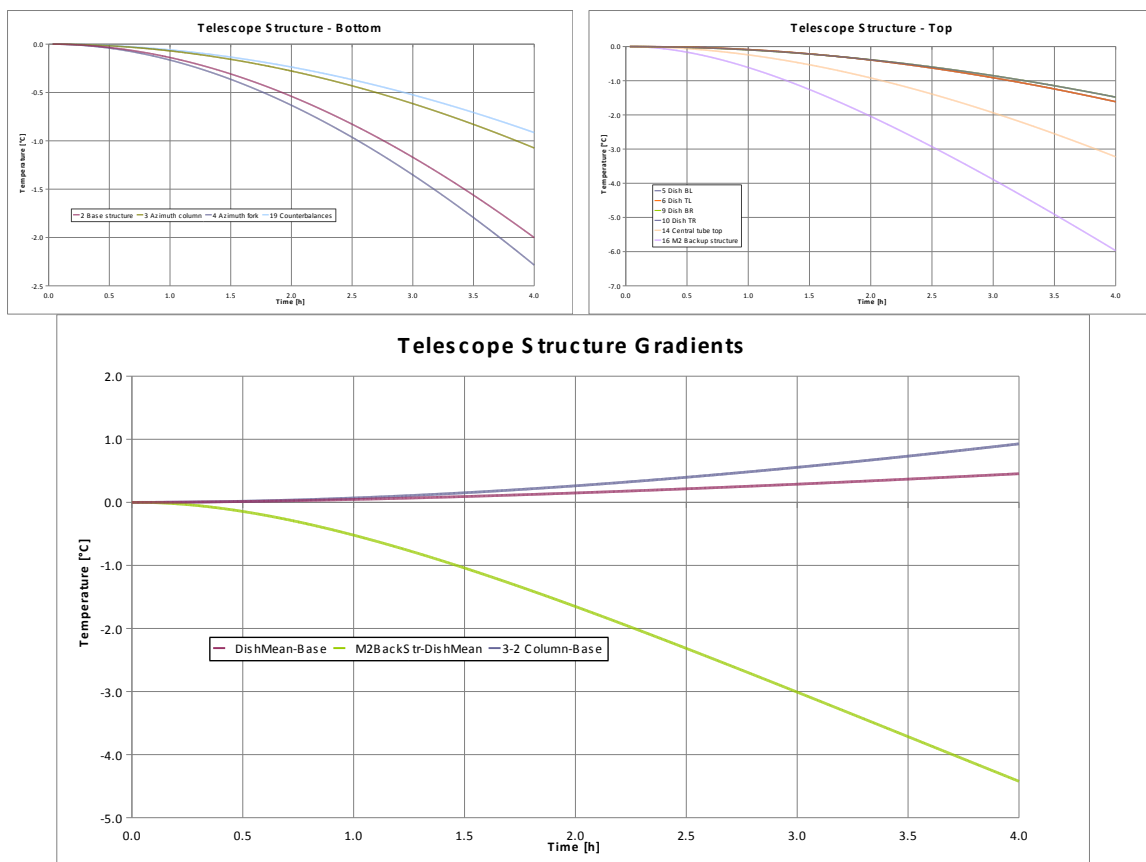


Figure 14 Temperature profiles and gradients across the telescope structures for the T3 load case.

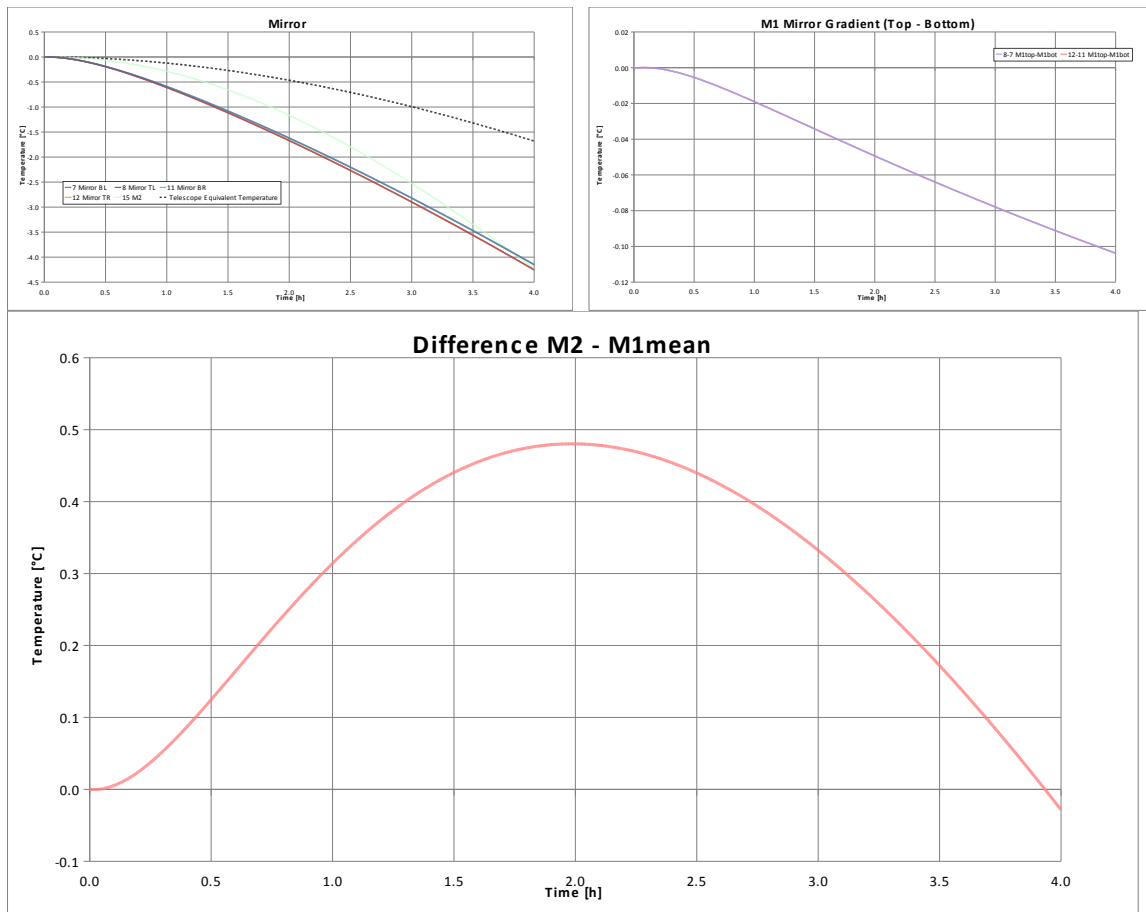


Figure 15 Temperature profiles and gradients across the mirrors for the T3 load case.

6.4 T4 – transition day-night (half-sine curve from 0 to -10°C in 10 hours, zenith pointing, no wind)

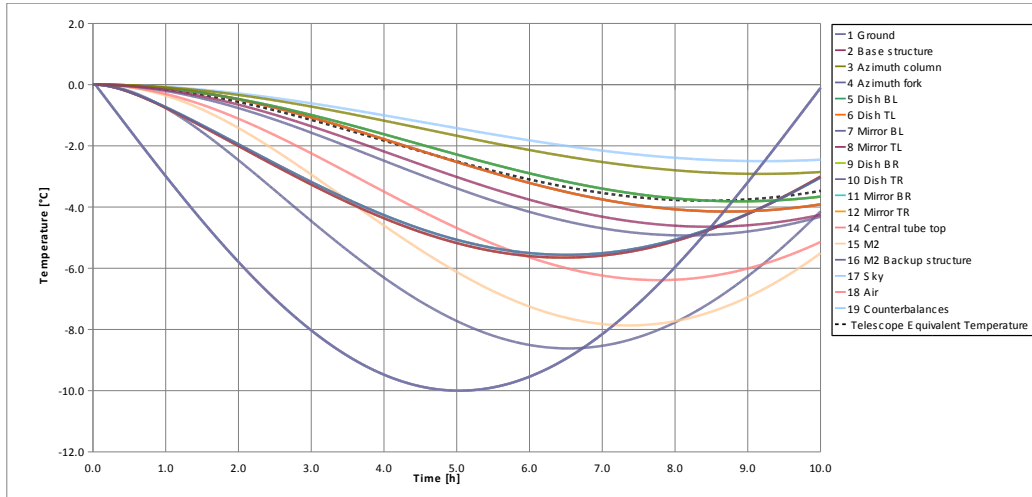


Figure 16 Global behaviour of all the thermal nodes implemented in the model and air temperature profile for the T4 load case (coloured lines). Telescope equivalent temperature (dashed line).

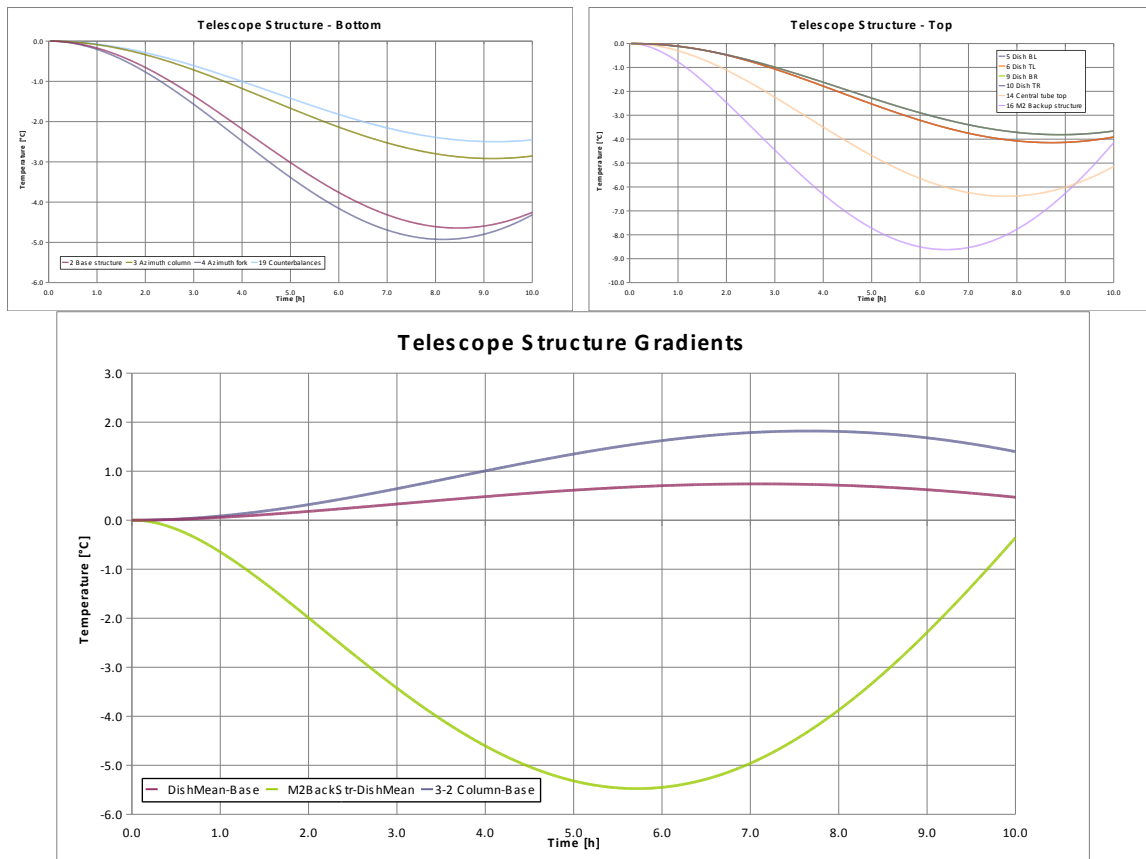


Figure 17 Temperature profiles and gradients across the telescope structures for the T4 load case.

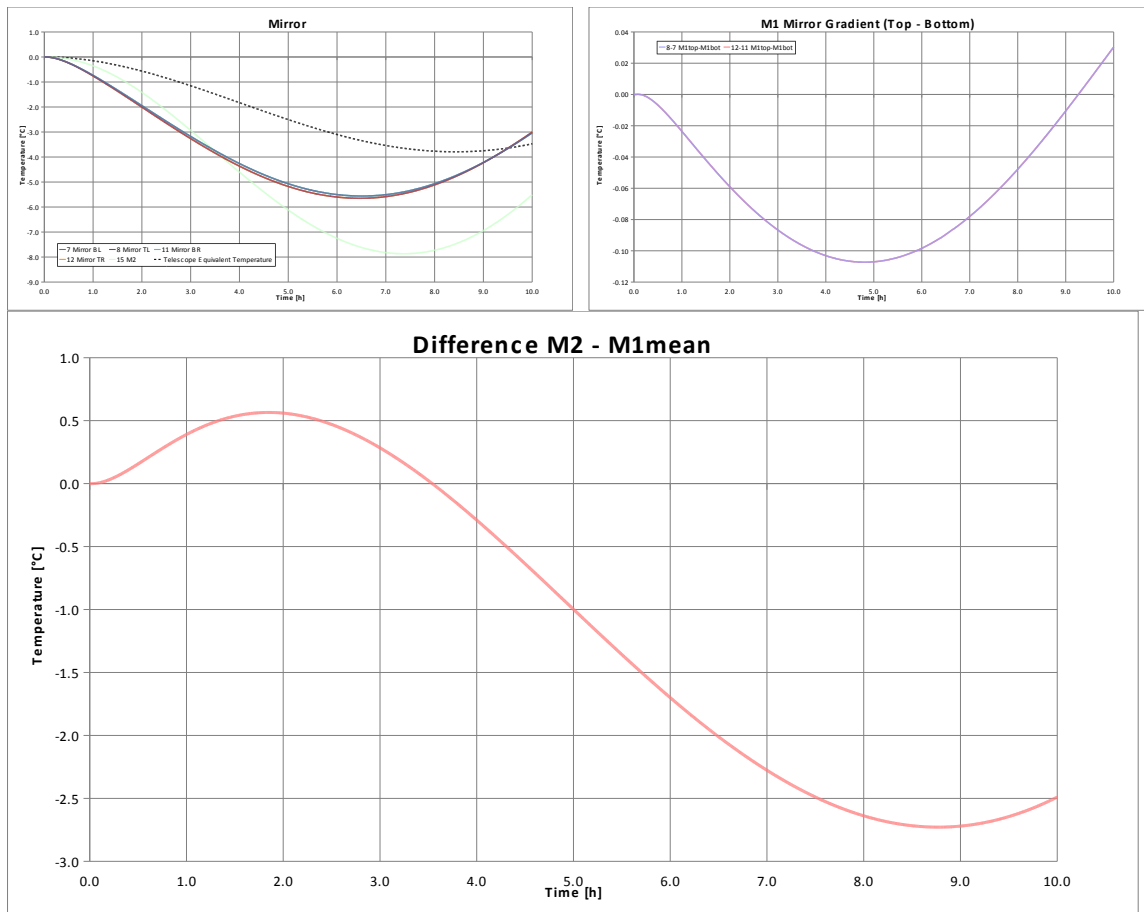


Figure 18 Temperature profiles and gradients across the mirrors for the T4 load case.