**Response to Comments from Reviewers-II**

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| **Sl no.** | **Comments**  | **Response** |
|  | By choosing a 90 degree sector, symmetry is imposed which in reality may not exist in the flow. How can the authors perform a DNS on a localized zone? What boundary conditions can be used to make the simulation a true DNS?  | 90 degree sector model is selected for the global model due to the geometric symmetry. This model is used to identify the zones prone to thermal striping.Localized model is used for thermal striping analysis using very fine mesh and small time step. Lateral boundaries are provided with fixed pressure boundary condition. |
|  | To call a simulation a DNS, proof should be provided that the Kolmogorov scales are resolved | Resolution of Kolmogorov scales are not carried out as part of this study. Mesh independent and time step independent calculations have been performed for these simulations.  |
|  |  Performing a DNS in a commercial code is often questioned as the solvers are not considered accurate enough to satisfactory call the simulation a DNS. Some colleagues call it a quasi-DNS in such cases. | The analysis may be considered as quasi-DNS. |