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PRESSURE MEASUREMENTS IN THE HEAT SHIELD REGION OF 1/80 SCALE PSLV MODEL IN THE MACH NUMBER RANGE OF 0.8 to 4.0

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15. Abstract:
Pressure measurements were carried out in the heatshield region of a 1/80 scale PSLV pressure model in the Mach number range of 0.8 to 4.0 and at incidences of 0 and 5 degrees in the 1.2M tunnel to supplement the pressure data obtained in 0.3M tunnel where tests on the model covered transonic Mach numbers only and also to have a comparison of the pressure data with that of 0.3M tunnel for any tunnel/support system interference. Results show a good comparison of the pressures with respect to those of 0.3M tunnel at M=0.78.

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