



## **Discussion of LMD Titan GCM results compared with available Cassini-Huygens data**

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As more data are now available from Cassini and Huygens observations, we propose here a comparison of these data with the baseline simulation of the Titan General Circulation Model developed at the Laboratoire de Météorologie Dynamique, which is available to the community through a distributed database (<http://www.lmd.jussieu.fr/titanDbase>).

Detailed analysis of quantitative and qualitative agreements and discrepancies is done: (1) temperature and zonal wind vertical profiles at Huygens landing site, as well as meridional distributions for current season; (2) latitudinal and vertical profiles of observed compounds.