

# Announcing availability of the model output from the ***GASS-YoTC Vertical Structure & Physical Processes*** Multi-Model Experiment

*Highly suitable for detailed, models-based, physical-process studies  
of a wide range of weather and climate phenomena.*

## Three experimental components available:

- 1) Twenty-year simulations with 6-hourly, global output from 27 GCMs.
- 2) Two-day hindcasts for two MJO events\* with time-step level output over the tropical warm pool region from 12 GCMs.
- 3) Same as 2) except for twenty-day hindcasts and 3-hourly, global output from 13 GCMs.

*All experiments provide extended physical process output, with vertical profiles of prognostic variables, all tendency terms\*\*, and a comprehensive set of additional physical process and diagnostic outputs.*

## Data access through ESGF+CoG at:

<https://earthsystemcog.org/projects/gass-yotc-mip/>  
(requires ESGF login and acceptance of CMIP5 license agreement)

**Additional information** regarding motivation, sponsors, experimental framework, contributing models can be found at:

<http://yotc.ucar.edu/mjo/vertical-structure-and-diabatic-processes-mjo/>  
[http://climate.ncas.ac.uk/pmwiki/MJO\\_Diabatic\\_Hindcast/](http://climate.ncas.ac.uk/pmwiki/MJO_Diabatic_Hindcast/)

## Project Support\*\*\*:

WGNE MJO Task Force & GEWEX GASS Global Atmospheric System Studies

## Experiment organizers and contacts:

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\* Oct 10 - Nov 10, 2009 and Dec 20 2009 - Jan 10, 2010.

\*\* For 1) and 3), tendency terms are only output from 50N-50S.

\*\*\* See additional Acknowledgments on data access website.