

Contents

Foreword	i
Preface	ii
Contents	v
Abstract	2
1. Introduction	3
2. Description of the model	4
3. Numerical Experiments	12
4. Simulation of the present climate	14
5. Simulation of gobal warming	32
6. Concluding remarks	58
Acknowledgements	75
Appendix	77
References	85

A Transient CO₂ Experiment with the MRI CGCM

— Annual Mean Response —

Tatsushi Tokioka*, Akira Noda, Akio Kitoh, Yoshinobu Nikaidou,
Shinji Nakagawa, Tatsuo Motoi, Seiji Yukimoto
Meteorological Research Institute, Tsukuba, Ibaraki 305, Japan
and Kumiko Takata[†]
Tokyo Electric Power Company, Chofu, Tokyo 182, Japan

February 1996

*Present affiliation: Japan Meteorological Agency, Tokyo 100, Japan

[†]Present affiliation: Center for Climate System Research, University of Tokyo, Tokyo 153, Japan