

---

## CONTENTS

### Articles

H. TSUJI, H. ITOH, and K. NAKAJIMA: Mechanism Governing the Size Change of Tropical Cyclone-Like Vortices . . . . .	219–236
A. AMEMIYA and K. SATO: A New Gravity Wave Parameterization Including Three-Dimensional Propagation . . . . .	237–256
Y. ICHIKAWA and M. INATSU: Methods to Evaluate Prediction Skill in the Madden-Julian Oscillation Phase Space . . . . .	257–267
Y. HARADA, H. KAMAHORI, C. KOBAYASHI, H. ENDO, S. KOBAYASHI, Y. OTA, H. ONODA, K. ONOGI, K. MIYAOKA, and K. TAKAHASHI: The JRA-55 Reanalysis: Representation of Atmospheric Circulation and Climate Variability . . . . .	269–302
W.-H. QIAN, J. HUANG, and G.-W. ZHANG: Reexamining the Binary Interaction of Four Pairs of Tropical Cyclones in the Northwest Pacific . . . . .	303–322
List of Papers and Reviews in <i>Tenki</i> (Vol. 63, No. 3 and No. 4) . . . . .	323
List of Papers in <i>SOLA</i> (Vol. 12, pp. 65–105, c1–c2) . . . . .	324
Papers to appear in the next issue . . . . .	325

---