

大 气 科 学

DAQI KEXUE

(双月刊)

2015 年 11 月 15 日 第 39 卷 第 6 期

目 次

春季青藏高原表面感热加热的年际变化特征及其对印度夏季风爆发时间的影响	张盈盈 李忠贤 刘伯奇 (1059)
基于 CloudSat 卫星资料分析青藏高原东部夏季云的垂直结构	张晓 段克勤 石培宏 (1073)
大气对春季东海黑潮锋响应的气压调整机制分析	李智 刘宣飞 李传浩 (1081)
雷暴中雷电活动与 WRF 模式微物理和动力模拟量的对比研究	黄蕾 周筠珺 谷娟 柳臣中 向钢 (1095)
三维变分同化机载雷达资料对飓风预报的影响研究——2012 年 Isaac 试验	陆续 马旭林 王旭光 (1111)
不同升温阈值下中国地区极端气候事件变化预估	陈晓晨 徐影 姚遥 (1123)
大气能量学揭示的高原低涡个例结构及降水特征	董元昌 李国平 (1136)
中尺度涡旋混合参数空间变化对物理场以及 CFC-11 模拟的影响	刘波 李阳春 徐永福 范广洲 (1149)
GRAPES_MESO 中时间步长和空间分辨率对于预报效果的影响	刘德强 冯杰 李建平 王金成 (1165)
2000 年以来福州地区夏季极端高温的新特征及成因探讨	谭红建 蔡榕硕 (1179)
四川盆地低涡的月际变化及其日降水分布统计特征	李超 李跃清 蒋兴文 (1191)
闪电和固、液态降水关系差异的数值模拟	郭凤霞 吴鑫 梁梦雪 江涛 陆干沂 (1204)
影响辽宁半岛两个台风 Meari 和 Muifa 暴雨环流特征的对比分析	梁军 李英 张胜军 刘晓初 (1215)
热带风压场平衡特征及其对 GRAPES 系统中同化预报的影响研究 II: 动力与统计混合平衡约束方 案的应用	王瑞春 龚建东 张林 陆慧娟 (1225)
东亚海陆表面温度季节性增温差异对东亚夏季风强度的影响	刘鹏 陈海山 于华英 秦怡 钱永甫 (1237)
全球变暖背景下青藏高原夏季气温在对流层上下反相变化及其与降水和环流的关系	朱丽华 范广洲 华维 (1250)

Chinese Journal of Atmospheric Sciences

(Bimonthly)

Vol.39, No.6, 15 November 2015

CONTENTS

Interannual Variability of Surface Sensible Heating over the Tibetan Plateau in Boreal Spring and Its Influence on the Onset Time of the Indian Summer Monsoon	ZHANG Yingying, LI Zhongxian, and LIU Boqi (1059)
Cloud Vertical Profiles from CloudSat Data over the Eastern Tibetan Plateau during Summer	ZHANG Xiao, DUAN Keqin, and SHI Peihong (1073)
Analysis of the Pressure Adjustment Mechanism in the Atmospheric Response to the Spring Kuroshio Front over the East China Sea	LI Zhi, LIU Xuanfei, and LI Chuanhao (1081)
Comparative Study on the Lightning Activities and Microphysical and Dynamical Quantities in a Thunderstorm Simulated by the Weather Research and Forecasting Model ...	HUANG Lei, ZHOU Yunjun, GU Juan, LIU Chenzhong, and XIANG Gang (1095)
A Study of the Impact of Airborne Radar Data Assimilated by 3DVar on the Prediction of Hurricane—Isaac 2012	LU Xu, MA Xulin, and WANG Xuguang (1111)
Changes in Climate Extremes over China in a 2°C, 3°C, and 4°C Warmer World ...	CHEN Xiaochen, XU Ying, and YAO Yao (1123)
The Structure and Precipitation Characteristics of Typical Tibetan Plateau Vortices as Revealed by Energy Analysis	DONG Yuanchang and LI Guoping (1136)
Influences of Spatial Variations of Mesoscale Eddy Mixing Parameters on the Simulation of Physical Fields and CFC-11	LIU Bo, LI Yangchun, XU Yongfu, and FAN Guangzhou (1149)
The Impacts of Time-Step Size and Spatial Resolution on the Prediction Skill of the GRAPES-MESO Forecast System	LIU Deqiang, FENG Jie, LI Jianping, and WANG Jincheng (1165)
New Characteristics of Heat Extremes in Fuzhou Since 2000 and the Possible Causes	TAN Hongjian and CAI Rongshuo (1179)
Statistical Characteristics of the Inter-monthly Variation of the Sichuan Basin Vortex and the Distribution of Daily Precipitation	LI Chao, LI Yueqing, and JIANG Xingwen (1191)
Numerical Simulation of the Relationships between Lightning and Liquid/Solid Precipitation	GUO Fengxia, WU Xin, LIANG Mengxue, JIANG Tao, and LU Ganyi (1204)
Comparison of Synoptic Circulations of Heavy Rain Associated with Typhoons Meari and Muifa over Liaodong Peninsula	LIANG Jun, LI Ying, ZHANG Shengjun, and LIU Xiaochu (1215)
Tropical Balance Characteristics between Mass and Wind Fields and Their Impact on Analyses and Forecasts in GRAPES System. Part II: Application of Linear Balance Equation—Regression Hybrid Constraint Scheme	WANG Ruichun, GONG Jiandong, ZHANG Lin, and LU Huijuan (1225)
Influence of the Seasonal Increasing Temperature Difference between the Land and Sea Surface on the Intensity of the East Asian Summer Monsoon	LIU Peng, CHEN Haishan, YU Huaying, QIN Yi, and QIAN Yongfu (1237)
Reversed Phase Change of the Temperature in the Upper and Lower Troposphere over the Tibetan Plateau in Summer and Its Relationships to Precipitation and Atmospheric Circulation under the Background of Global Warming	ZHU Lihua, FAN Guangzhou, and HUA Wei (1250)