



AEROSPACE CHINA

Spring 2014

VOL.15 No.1

Published Quarterly

Editorial Board

President: Ma Xingrui,
 Vice Presidents: Hu Zhongmin, Wang Yiran
 Members: Li Feng, Sun Weigang, Gong Bo,
 Lu Yu, Liu Qiang

Editorial Department

Editor in Chief: He Ying
 Editorial Consultant: Patrick Carroll
 Editors: Chen Xiaoli, Liu Jie,
 Ren Shufang, Sun Qing, Zhu Xiaoyu
 Address: Room 415, No.16 Fucheng Rd.,
 Beijing 100048, PR China
 Tel: (86-10)68767421
 E-mail: hey@spacechina.com

Aerospace China

Sponsored by China Aerospace Science and Technology Corporation, and published by National Aerospace Information Center of China.

Aerospace China

Published four times a year in Spring, Summer, Autumn and Winter, annual subscription US\$150.

Articles and information contained in this publication are the copyright of the publisher and may not be reproduced in any form without the written permission of the publisher.

SPECIAL

China's Top Ten Space News in 201302

SATELLITE TECHNOLOGY AND APPLICATIONS

The Performance of the Chang'e 3 Lunar Satellite04
 Seven Technical Innovations Achieved by Chang'e 3 Mission08
 GF-1 Serves National Economy and People's Livelihood09
 ZY-3 Operates Well for Two Years11
 Bolivian Communications Satellite Finished In-orbit Commissioning13

LAUNCH VEHICLE TECHNOLOGY

TY Sounding Rocket Assists High-Altitude Meteorological Observation15
 Flight Record of the Long March Series of Launch Vehicles17

CASC INSTITUTES

Beijing Institute of Spacecraft Environment Engineering19

NEWS IN BRIEF

China's First Spacecraft In-orbit Fault Diagnosis and Maintenance Laboratory Established12
 Benefits of Overall Coordination and Arrangement of Communications Satellite Test Antennas14
 LM-5 Rocket Launching Platform Arrived Hainan Launch Site21
 China-UK Joint Laboratory Undertakes International Project for the First Time21
 Lao Satellite Project Passed Critical Design Review22
 All-system Concept Test Firing of Cargo Spaceship's Propulsion System Achieved Success22
 New Progress Made in the Development of China's Largest-Thrust Solid Propellant Rocket Motor22
 Heat Equilibrium Test on High Orbit Optical Remote Sensor Completed23
 FY-3C Passed In-orbit Commissioning Review23
 Umbilical Tower for LM-7 Launch Vehicle Ready for Shipping to Hainan24
 FY-2F Achieved Almost 100% Success Rate of Business Operation24

COVER

Yutu Rover Under Illumination Test Front Cover
 Chang'e 3 Satellite-Rocket Separation Test Back Cover