

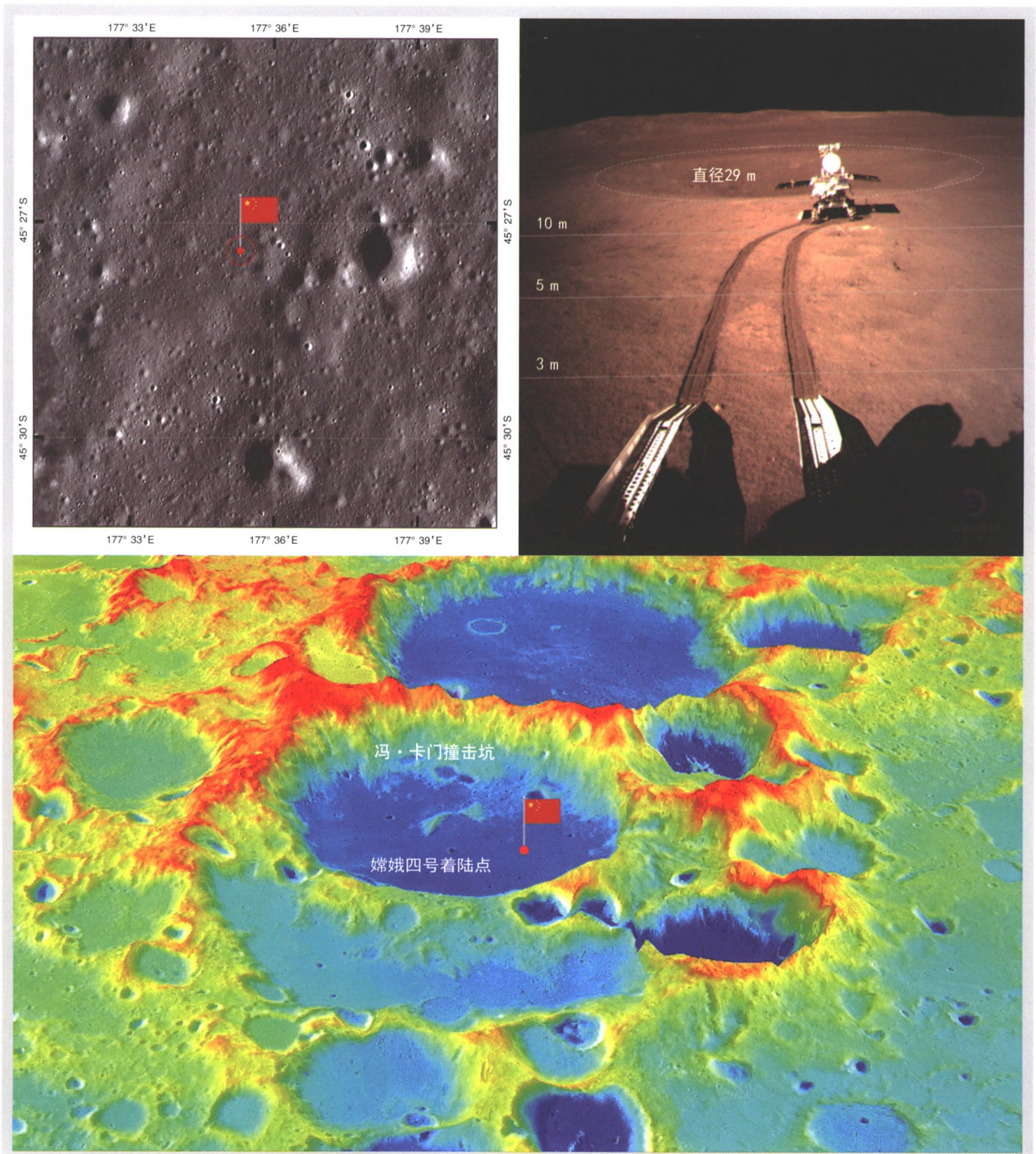
QK1868232

科学出版社
出版
中国地理学会环境遥感分会
中国科学院遥感与数字地球研究所
主办

JOURNAL OF REMOTE SENSING

遥感学报

2019年 Vol.23 第23卷 No.1 第1期 ISSN 1007-4619 CN11-3841 / TP CODEN YXAUAB



百种中国杰出学术期刊

遥感学报

Yaogan Xuebao

第 23 卷 第 1 期 2019 年 1 月

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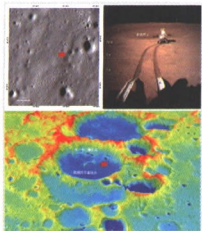
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About the Cover

嫦娥四号着陆点高精度定位图

Chang'e-4 lander high precision localization

嫦娥四号探测器于2019年1月3日在月球背面南极-艾特肯盆地内的冯·卡门撞击坑成功软着陆。封面展示了着陆区数字高程模型(下图)、着陆器监视相机影像单像量测结果(右上图)和嫦娥四号着陆点定位图(左上图)。基于多源影像,利用影像特征匹配定位和单像视觉测量定位技术,确定了嫦娥四号着陆点的精确位置为(177.588° E, 45.457° S)。更多信息及技术细节见本期177页。

Chang'e-4 lunar probe has successfully landed on the far side of the moon in Von Kármán crater inside the South Pole-Aitken (SPA) basin on January 3, 2019. The front cover shows the digital elevation model of the landing site (the lower map), the monoscopic measurement results from the monitoring camera image (the upper right map), and the lander localization map (the upper left map). The lander location was precisely determined to be (177.588° E, 45.457° S) based on multi-source data using image feature matching and monoscopic image measurement techniques. More information and technical details can be found in page 177.

YAOGAN XUEBAO (双月刊 1997年创刊)

第23卷 第1期 2019年1月25日

(Bimonthly, Published since 1997)

Vol.23 No.1 January 25, 2019

主管	中国科学院	Superintended	by	Chinese Academy of Sciences
主办	中国科学院遥感与数字地球研究所 中国地理学会环境遥感分会	Sponsored	by	Institute of Remote Sensing and Digital Earth, CAS The Associate on Environment Remote Sensing of China
主编	顾行发	Editor in Chief		GU Xingfa
编辑	《遥感学报》编委会 北京市海淀区北四环西路19号 邮编: 100190 电话: 86-10-58887052 http://www.jors.cn E-mail: jrs@radi.ac.cn	Edited	by	Editorial Board of Journal of Remote Sensing Add: P.O.Box 2702, Beijing 100190, China Tel: 86-10-58887052 http://www.jors.cn E-mail: jrs@radi.ac.cn
出版	科学出版社	Published	by	Science Press
印刷装订	北京科信印刷有限公司	Printed	by	Beijing Kexin Printing Co. Ltd.
总发行	科学出版社 北京东黄城根北街16号 国内邮发代号: 82-324 邮政编码: 100717 电话: 86-10-64017032 淘宝店铺名称: 中科期刊	Distributed	by	Science Press Add: 16 Donghuangchenggen North Street, Beijing 100717, China Tel: 86-10-64017032 Taobao: Zhongke Journal
国外发行	中国国际图书贸易总公司 北京399信箱 邮政编码: 100044 国外发行代号: BM 1002	Overseas distributed	by	China International Book Trading Corporation Add: P.O.Box 399, Beijing 100044, China

中国标准连续出版物号: ISSN 1007-4619

CN 11-3841/TP

CODEN YXAUAB

eISSN 2095-9494

定价: 70.00元



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