

Volcanism and Tectonism Across the Inner Solar System

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Once the book is accepted, the Society Book Editors ensure that the volume editors follow strict guidelines on refereeing and quality control. We insist that individual papers can only be accepted after satisfactory review by two independent referees. The questions on the review forms are similar to those for *Journal of the Geological Society*. The referees' forms and comments must be available to the Society's Book Editors on request.

Although many of the books result from meetings, the editors are expected to commission papers that were not presented at the meeting to ensure that the book provides a balanced coverage of the subject. Being accepted for presentation at the meeting does not guarantee inclusion in the book.

More information about submitting a proposal and producing a book for the Society can be found on its website: www.geolsoc.org.uk.

It is recommended that reference to all or part of this book should be made in one of the following ways:

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Volcanism and Tectonism Across the Inner Solar System

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Preface

Our understanding of the inner solar system has dramatically expanded over the past three decades, with unmanned spacecraft visiting worlds as diverse as enigmatic Mercury, Earth's hellish sister planet Venus, and far flung asteroids. Advances in spacecraft navigation, longevity and instrument design mean we now have more information about our neighbouring planetary bodies than we do for parts of Earth's oceans. And with these advances comes a far greater comprehension of the ways in which planetary surfaces are shaped.

Volcanic and tectonic processes are the dominant means by which a planet's surface is modified from within, and it is the various aspects of these processes that form the basis for the book you now hold. This Special Publication arose from a series of planetary volcanism and tectonism sessions at the European Geosciences Union General Assembly held between 2010 and 2014. In its development we have sought not to exhaustively document the myriad ways in which volcanism and tectonism are manifest on planetary bodies, but instead to provide a basis from which a non-expert audience can explore these facets of planetary science, and

with which the specialist reader can expand her or his interests.

Of course, this book would not be possible without the reviewers who played a vital role in ensuring its scientific content was robust and thematically appropriate. We are therefore very grateful to Sebastian Besse, David Blair, Marco Bonini, Giacomo Corti, Brett Denevi, Caleb Fassett, Taras Gerya, Agust Gudmundsson, Christopher Hamilton, Karen Harpp, Robert Herrick, Mikhail Ivanov, Christian Klimczak, Nicholas Lang, Lucia Marinangeli, Tamsin Mather, Lucie Mathieu, Francesco Mazzarini, Patrick McGovern, Chris Okubo, Mark Robinson, Stefano Tavani, Stephanie Werner and Nigel Woodcock, and to 11 reviewers who wished to remain anonymous. We are also indebted to Angharad Hills and the staff at the Geological Society of London, who together patiently and expertly guided us through the entire development of this book.

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