

Modeling the Construction and Evolution of Distributed Volcanic Fields on Earth and Mars

Jacob A. Richardson

School of Geosciences
University of South Florida

19 February 2016

Volcanic Fields on Earth and Mars

Jacob
Richardson

Acknowledgements

Intro

Outline

Overview

Arsia Mons

Conclusions

Additional
Thanks

- Distributed Volcanism Definition
- Vertical Subregions can be detailed in volcanic systems

- Overview of Dissertation
- Arsia Mons
- Conclusions

Sills in the San Rafael Swell

Volcanic Fields on Earth and Mars

Jacob
Richardson

Acknowledgments

Intro

Outline

Overview

Arsia Mons

Conclusions

Additional
Thanks

Volcanic
Fields on
Earth and
Mars

Jacob
Richardson

Acknowledgments

Intro

Outline

Overview

Arsia Mons

Conclusions

Additional
Thanks

**Volcanic
Fields on
Earth and
Mars**

Jacob
Richardson

Acknowledgments

Intro

Outline

Overview

Arsia Mons

Conclusions

Additional
Thanks

Volcanic Fields on Earth and Mars

Jacob
Richardson

Acknowledgments

Intro

Outline

Overview

Arsia Mons

Conclusions

Additional
Thanks

Volcanic Fields on Earth and Mars

Jacob
Richardson

Acknowledgments

Intro

Outline

Overview

Arsia Mons

Conclusions

Additional
Thanks

Volcanic Fields on Earth and Mars

Jacob
Richardson

Acknowledgments

Intro

Outline

Overview

Arsia Mons

Conclusions

Additional
Thanks

**Volcanic
Fields on
Earth and
Mars**Jacob
Richardson

Acknowledgments

Intro

Outline

Overview

Arsia Mons

Conclusions

Additional
Thanks

**Volcanic
Fields on
Earth and
Mars**Jacob
Richardson

Acknowledgments

Intro

Outline

Overview

Arsia Mons

Conclusions

Additional
Thanks

**Volcanic
Fields on
Earth and
Mars**Jacob
Richardson

Acknowledgments

Intro

Outline

Overview

Arsia Mons

Conclusions

Additional
Thanks

Volcanic Fields on Earth and Mars

Jacob
Richardson

Acknowledgments

Intro

Outline

Overview

Arsia Mons

Conclusions

Additional
Thanks

Volcanic Fields on Earth and Mars

Jacob
Richardson

Acknowledgments

Intro

Outline

Overview

Arsia Mons

Conclusions

Additional
Thanks

Tie in with Ashes and glaciers?

Volcanic Fields on Earth and Mars

Jacob
Richardson

Acknowledgments

Intro

Outline

Overview

Arsia Mons

Conclusions

Additional
Thanks

Model of waning volcanism of Arsia

Volcanic Fields on Earth and Mars

Jacob
Richardson

Acknowledgments

Intro

Outline

Overview

Arsia Mons

Conclusions

Additional
Thanks

Arsia Specific Conclusions

Volcanic Fields on Earth and Mars

Jacob
Richardson

Acknowledgments

Intro

Outline

Overview

Arsia Mons

Conclusions

Additional
Thanks

Volcanic Fields on Earth and Mars

Jacob
Richardson

Acknowledgments

Intro

Outline

Overview

Arsia Mons

Conclusions

Additional
Thanks

**Volcanic
Fields on
Earth and
Mars**

Jacob
Richardson

Acknowledgments

Intro

Outline

Overview

Arsia Mons

Conclusions

**Additional
Thanks**

Volcanic Fields on Earth and Mars

Jacob
Richardson

Acknowledgments

Intro

Outline

Overview

Arsia Mons

Conclusions

Additional
Thanks