



Smithsonian Institution Archives

Project Files, 1984-2013

Finding aid prepared by Smithsonian Institution Archives

Smithsonian Institution Archives
Washington, D.C.
Contact us at osiaref@si.edu

Table of Contents

| | |
|----------------------------------|---|
| Collection Overview | 1 |
| Administrative Information | 1 |
| Descriptive Entry..... | 1 |
| Names and Subjects | 1 |
| Container Listing | 3 |

Collection Overview

| | |
|--------------------|--|
| Repository: | Smithsonian Institution Archives, Washington, D.C., osiaref@si.edu |
| Title: | Project Files |
| Identifier: | Accession 18-265 |
| Date: | 1984-2013 |
| Extent: | 2 cu. ft. (2 record storage boxes) |
| Creator:: | National Air and Space Museum. Center for Earth and Planetary Studies |
| Language: | English |

Administrative Information

Preferred Citation

Smithsonian Institution Archives, Accession 18-265, National Air and Space Museum. Center for Earth and Planetary Studies, Project Files

Use Restriction

Restricted for 15 years, until Jan-01-2029; Transferring office; 4/7/1995 memorandum, Glenn to Slattery; Contact reference staff for details.

Descriptive Entry

This accession consists of records created and maintained by Robert A. Craddock, Geologist, 1988- , documenting his activities at the Center for Earth and Planetary Studies. Topics covered include Mars geology, conferences, research, fieldwork, and collaborations with other professionals and organizations. Materials include correspondence, field notes, proposals, scientific illustrations, photographs, negatives, maps, notes, graphs, memoranda, slides, transparencies, and related material. Some materials are in electronic format. Some material predates his arrival at the National Air and Space Museum.

Names and Subject Terms

This collection is indexed in the online catalog of the Smithsonian Institution under the following terms:

Subjects:

- Aeronautical museums
- Astrogeologists
- Astronautical museums
- Mars landing sites

Research

Types of Materials:

- Black-and-white negatives
- Black-and-white photographs
- Black-and-white transparencies
- Color photographs
- Color transparencies
- Electronic records
- Field notes
- Floppy disks
- Manuscripts
- Maps
- Scientific illustrations

Names:

- Craddock, R. A.

Geographic Names:

- Mars (Planet) -- Geology

Container Listing

Box 1

- Box 1 of 2 Mars Data Analysis Program (MDAP) - "Ages and Maturity of Mars Valley Networks", 2002-2008
- Box 1 of 2 Valley Network Renewal - Year 3 - "Morphometric Analyses of Ancient Valley Networks in the Martian Highlands", 2001-2003
- Box 1 of 2 MDAP - "Morphometric Analyses of Ancient Valley Networks in the Martian Highlands", 1999-2000
- Box 1 of 2 MDAP - Year 2 - "Analysis of Ancient Valley Networks in the Martian Highlands", 1999-2002
- Box 1 of 2 Martian Highland Resurfacing - "Mars Crater Ejecta Morphology", 1993, 1997, 1999
- Box 1 of 2 Mars Highland Budgets, 1993-1994, 1996-1997
- Box 1 of 2 MDAP - "Analyses of Ancient Valley Networks and Fresh Impact Craters in the Martian Highlands", 1997-1998
- Box 1 of 2 "Geomorphic and Biologic Analyses of the Aral Sea, Kazakhstan with Comparisons to Mars", 1998
- Box 1 of 2 Mars Surveyor Participating Scientist Program, 1999
- Box 1 of 2 "Geomorphic Analysis of the Martian Highlands" - Resurfacing Proposal, 1993-2000
- Box 1 of 2 New Map Files, Viking 2 LOS Gravity - 1 and 2, Globe, 1988-1990, undated (includes electronic records)
- Box 1 of 2 Atherton Seidell Grant Program - Proposal, 1998-1999
- Box 1 of 2 Proposal - "Geologic Mapping of the Martian Cratered Highlands in Mare Tyrrhenum", 1997
- Box 1 of 2 "Martian Highland Drainage Basin: Basin Fill Characteristics" - 32nd Lunar and Planetary Science Conference (LPSC), 2001
- Box 1 of 2 "Modification of Martian Impact Craters" - Highlands - MDAP, 2005-2006
- Box 1 of 2 Mars - Amenthes and Tyrrhena Region, 1987-1989
- Box 1 of 2 Highland Evolution, 1991-1993
- Box 1 of 2 Proposal - "Geologic Mapping of the Chryse Planitia Region/Viking 1 Landing Site of Mars", 1989-1992

- Box 1 of 2 Proposal - RasterOps Corporation, 1992-1993
- Box 1 of 2 Chryse Planitia - Manuscripts - "Geologic Mapping of the Chryse Planitia Region/Viking 1 Landing Site of Mars", 1994-1997
- Box 1 of 2 Chryse Planitia - Preliminary Geography/Crater Counts - "Geologic Mapping of the Chryse Planitia Region/Viking 1 Landing Site of Mars", 1991
- Box 1 of 2 Chryse Planitia - Mapping Materials - "Geologic Mapping of the Chryse Planitia Region/Viking 1 Landing Site of Mars", 1990-1991
- Box 1 of 2 Mars Landing Site Information - "Geologic Mapping of the Chryse Planitia Region/Viking 1 Landing Site of Mars", 1989-1992
- Box 1 of 2 Budget and Contracts - "Geologic Mapping of the Chryse Planitia Region/Viking 1 Landing Site of Mars", 1991-1993
- Box 1 of 2 Chryse Planitia - Request and Award Letters, 1990-1993
- Box 1 of 2 Chryse Planitia Collaboration - Crumpler Proposal, 1990
- Box 1 of 2 "Volatile History of Mangala Valles, Mars", 1990-1992
- Box 1 of 2 "Geologic Map of the Southern Mangala Valles Region of Mars" - MTM 20147, 05152, 10152, 15147, 1984-1985, 1988-1992
- Box 1 of 2 "Geologic Mapping of the Shalbatana Vallis and Isidis Planitia Regions of Mars" - Proposal, 1995
- Box 1 of 2 Mars Volcanic Gas, 1994-1996 (includes electronic records)
- Box 1 of 2 "Geology and Hydrology of Shalbatana Vallis, Mars" - Proposals 2, 3, and 4, 1996-1998
- Box 1 of 2 "Origin and Evolution of Martian Channel Materials: Thermal Infrared Observations", 1989, 1992

Box 2

- Box 2 of 2 Insidis Planitia - Proposals and Correspondence, 1992-1996
- Box 2 of 2 Insidis Planitia - Budget, Poster, and Map, 1993-1995, undated
- Box 2 of 2 Development Office Proposals, 1992
- Box 2 of 2 Hawaii - National Park Service (NPS) Proposal, 2005
- Box 2 of 2 Mars Fundamental Research Program (MFRP) - "Topical Martian Field Studies in the Ka'u Desert", 2007-2009

- Box 2 of 2 MDAP - "Thermophysical Properties of Martian Channel Materials", 2001-2004
- Box 2 of 2 MDAP - "Early Mars Geology and Climate"
- Box 2 of 2 MFRP - "Wind or Water: Thermophysical Studies for Understanding Martian Surface Materials", 2003
- Box 2 of 2 Planetary Geology and Geophysics - "Analyses of Modified Impact Craters in Martian Highlands", 2001-2002
- Box 2 of 2 MFRP - Thermal Characteristics of Fluvial and Aeolian Materials, 2004
- Box 2 of 2 MDAP - "The Spatial and Temporal Distribution of Dust on Mars", 2004-2005
- Box 2 of 2 Exploring the Planets - Working Group, 2010-2011
- Box 2 of 2 "Crater Morphometry and Modification in the Sinus Sabeus and Margaritifer Sinus Regions of Mars", 1994-1996
- Box 2 of 2 Smithsonian Institution (SI) Endowments, 2007, 2009
- Box 2 of 2 Smithsonian Grand Challenges Awards - Project - "Life in the Cosmos: Development of Beryllium-10 Age-Dating Techniques of Olivine Crystals", 2013
- Box 2 of 2 Proposal - "Analyses of Basaltic Sediments", 2013
- Box 2 of 2 Smithsonian Grand Challenges Awards - Project - "Life in the Cosmos: Basalt Weathering and Associated Microbial Populations", 2013
- Box 2 of 2 Linear Dune Studies in the Hawaiian Islands, Summary - SI Stars Lecture Series, Article, 2013, undated
- Box 2 of 2 Proposal - "Early Mars: Impact Basins, Crustal Dichotomy and Volcanic Resurfacing", 1994
- Box 2 of 2 23rd LPSC - Presentation, 1992
- Box 2 of 2 25th LPSC - Presentation, 1994
- Box 2 of 2 26th LPSC - Presentation, 1995
- Box 2 of 2 27th LPSC - Presentation, 1996
- Box 2 of 2 28th LPSC - Presentation, 1997
- Box 2 of 2 29th LPSC - Presentation, 1998
- Box 2 of 2 31st LPSC - Presentation, 2000

- Box 2 of 2 "Are Phobos and Deimos the Result of a Giant Impact?" - Manuscript, 1993-1996, 2010
- Box 2 of 2 Proposal - Mars Surveyor Landing Site Studies, 1996
- Box 2 of 2 Geologic Map of the Northern Luna Planum Region of Mars - MTM 20062 and 20067, 1988-1991
- Box 2 of 2 Mars "Face" on Mars Information, 1989-1991
- Box 2 of 2 Proposal - "Analysis of the Physical Characteristics of Rocks at the Mars Pathfinder Landing Site and Their Emplacement Mechanisms", 1996-1998
- Box 2 of 2 Hawaii Fieldwork, 1999-2000
- Box 2 of 2 Proposal - Mars - "Analyses of the Physical Characteristics of Rocks as a Possible Determinate of Their Emplacement Mechanisms", 1997
- Box 2 of 2 Proposal - "Characteristics of Martian Rock Populations Based on Terrestrial Analyses", 2002
- Box 2 of 2 Mars Global Surveyor Data Analysis Program (MGSDAP) - "Characteristics of Potential Future Landing Sites Based on Terrestrial Rock Analyses", 2000-2001
- Box 2 of 2 Glacial Lake Agassiz: A Terrestrial Analog for Large Water Bodies and Catastrophic Hydrological Processes on the Surface of Mars, 2002
- Box 2 of 2 Mars Exploration Rover (MER) Program - Physical Characteristics of Martian Surface Materials, 1997, 2001-2002
- Box 2 of 2 Proposal - Erosional Processes on Mars, 1996, 1998
- Box 2 of 2 Proposal - Constraining the Geologic and Evolution of the MER Landing Site(s), 2001
- Box 2 of 2 Correspondence, 1989-1994
- Box 2 of 2 Early Mars Conference - Wyoming, 2004
- Box 2 of 2 Fall American Geophysical Union (AGU), 2006
- Box 2 of 2 Second International Conference on Geomorphology, 1988-1989
- Box 2 of 2 Mars Crater Consortium, 1999
- Box 2 of 2 Mars Surface and Atmosphere Through Time (MSATT) Workshop, 1992-1993
- Box 2 of 2 Mars Geologic Mappers (MGM), 1991-1992, 1994
- Box 2 of 2 AGU, 1992, 2010

- Box 2 of 2 Mars Environmental Survey (MESUR) Landing Site Workshop - Notes, 1994
- Box 2 of 2 Division for Planetary Sciences (DPS), 1992
- Box 2 of 2 Geological Society of America (GSA), 1991
- Box 2 of 2 Mangala Valles - Mars Colloquium, 1988
- Box 2 of 2 Mars Pathfinder II - Workshop, 1995
- Box 2 of 2 Discovery of Paleochannels in the Simpson Desert, Australia, 2009
- Box 2 of 2 "Meter-Scale Characteristics of Martian Channels and Valleys" - Photographs, 2000