

Oral Programme MC1

Clay Minerals in Extraterrestrial Environments

Convener: David L. Bish, Ralph Milliken

Monday 15 June, 2009

Chairs: Ralph Milliken

- 08.50 – 09.20 MC1a.Mon.KL1
*Nicholas J. Tosca**
EXTRACTING AQUEOUS CHEMISTRY FROM CLAY-BEARING ASSEMBLAGES FORMED ON ANCIENT MARS
- 09.20 – 09.40 MC1a.Mon.L2
Rosalba Bonaccorsi, Carol R. Stoker, The Marte Science Team*
ORGANICS-BEARING PHYLLOSILICATES UNDER HYPERACIDIC AND OXIDIZING CONDITIONS: PRESERVATION POTENTIAL AND APPLICATION TO MARS
- 09.40 – 10.00 MC1a.Mon.L3
Jochen Jänchen, Diedrich Möhlmann*
ADSORPTION STUDIES ON THE CHONDRITE ORGUEIL METEORITE
- 10.00 – 10.20 MC1a.Mon.L4
David Blake, David Bish, Steve Chipera, David Vaniman, Philippe Sarrazin*
CHEMIN: IN SITU X-RAY DIFFRACTION ANALYSES OF MARTIAN PHYLLOSILICATES ON MSL '11
- 10.20 – 10.40 MC1a.Mon.L5
Francois Poulet, John Carter, Jean-Pierre Bibring, Nicolas Mangold, John F. Mustard, Scott Murchie, Yves Langevin*
DIVERSITY OF MINERALOGY AND OCCURENCES OF CLAY MINERALS ON MARS

COFFEE BREAK 10.40-11.00

Monday 15 June, 2009

Chairs: David L. Bish

- 11.00 – 11.30 MC1b.Mon.L1
Scott Murchie, Frank Seelos, Debra Buczkowski, John Mustard, Bethany Ehlmann, Ralph Milliken, Eldar Z. Noe Dobrea, Janice Bishop, Nancy Mckeown, Sandra Wiseman, Raymond Arvidson, James Wray, Gregg Swayze, Roger Clark*
DIVERSITY OF MARTIAN PHYLLOSILICATE DEPOSITS FROM ORBITAL REMOTE SENSING
- 11.30 – 11.50 MC1b.Mon.L2
Ralph E. Milliken, David I. Bish*
SOURCES, SINKS, AND STABILITY OF CLAY MINERALS ON MARS
- 11.50 – 12.10 MC1b.Mon.L3
John Mustard, Bethany Ehlmann, Scott Murchie, Abigail Fraeman, Ralph Milliken, Eldar Noe Dobrea, Janice Bishop, Raymond Arvidson, Gregg Swayze, Roger Clark*
CHARACTER OF MARTIAN PHYLLOSILICATE-BEARING EARLY CRUST FROM ORBITAL REMOTE SENSING
- 12.10 – 12.30 MC1b.Mon.L4
Janice I. Bishop, Nancy K. Mckeown, John F. Mustard, Debra I. Buczkowski, Roger N. Clark, Bethany I. Ehlmann, Giuseppe Marzo, Ralph E. Milliken, Scott I. Murchie, Eldar Noe Dobrea, Mario Parente, Ted I. Roush, Gregg A. Swayze, James J. Wray, The Crism Team*
DISTRIBUTION AND VARIABILITY OF PHYLLOSILICATES ON MARS OBSERVED BY MRO/CRISM
- 12.30 – 12.50 MC1b.Mon.L5
*Joseph Michalski**
COMBINING VISIBLE/NEAR INFRARED AND THERMAL INFRARED REMOTE SENSING DATA TO ANALYZE MARTIAN CLAY MINERALS

Tuesday 16 June, 2009

Chairs: David L. Bish & Ralph Milliken

- 08.50 – 09.20 MC1c.Tue.L1
Damien loizeau, Nicolas Mangold, François Poulet, Jean-Pierre Bibring, Veronique Ansan, Ernst Hauber, Yves Langevin, Brigitte Gondet, G. neukum*
STRATIGRAPHY OF THE CLAY-UNIT OF THE MAWRTH VALLIS REGION, MARS

- 09.20 – 09.40 MC1c.Tue.L2
*Eldar Noe Dobrea**, *Joel Hurowitz*, *Doug Ming*, *Janice I. Bishop*, *Nancy Mckeown*
PEDOGENESIS ON THE RED PLANET? EVIDENCE FOR POSSIBLE ALTERATION HORIZONS ON MARS
- 09.40 – 10.00 MC1c.Tue.L3
*Bethany I. Ehlmann**, *John F. Mustard*, *Roger N. Clark*, *Gregg A. Swayze*, *Scott I. Murchie*
EVIDENCE FOR LOW-GRADE METAMORPHISM/DIAGENESIS ON MARS FROM PHYLLOSILICATE MINERAL ASSEMBLAGES
- 10.00 – 10.20 MC1c.Tue.L4
*C. Popa**, *G. Diachille*, *f. Esposito*, *I. Colangeli*
DELTAS AND PHYLLOSILICATES ON MARS: MRO-CRISM OBSERVATIONS
- 10.20 – 10.40 MC1c.Tue.L5 - (MOVED FROM POSTER TO ORAL)
*Nancy Mckeown**, *Janice I. Bishop*, *Eldar Noe Dobrea*, *Eli Silver*
CHARACTERISTICS OF CLAY UNITS IN THE MAWRTH VALLIS REGION, MARS

Poster Programme MC1

Posting Time: Saturday 13 June; **Removal:** Monday 15 June, 12.50-14.30;

Attendance Time: Sunday, 14 June, 18:30–20:00

Chairs: David L. Bish & Ralph Milliken

- MC1.Sun.P1 ~~*Nancy Mekoown*, Janice I. Bishop, Eldar Noe Dobrea, Eli Silver*~~
CHARACTERISTICS OF CLAY UNITS IN THE MAWRTH VALLIS REGION, MARS- **MOVED TO ORAL**
- MC1.Sun.P2 *Susan Hopper*, Loc Van Duong, Ray Frost, Wayde Martens*
HALLOYSITE HAS BEEN FOUND IN THE WOLFE CREEK METEORITE SHALE BALLS
- MC1.Sun.P3 *Susan Hopper*, Loc Van Duong, Ray Frost, Wayde Martens*
WOLFE CREEK METEORITE CRATER SHALE BALLS: REEVESITE