

Scientific Legacy of the Solar Mesosphere Explorer, 1981 to 1989

(Agenda)

University of Colorado, Boulder

Thursday, October 6 and Friday, October 7, 2011

Day 1 (a.m. & p.m.)

University Memorial Center Room 235

9:00-9:10 *Welcome and Introduction*—G. Rottman, LASP

Science Presentations (Chair: G. Mount)

9:10-9:30 *Contributions of SME to the Study of Solar Irradiance*—G. Rottman, LASP

9:30-9:40 *Discussion*—All Participants

9:40-10:00 *Contributions of SME to the Study of Solar Irradiance: Perspective of a graduate student*—
K. Tobiska

10:00-10:10 *Discussion*—All Participants

10:10-10:30 *Contributions of SME to the Study of Ozone* — D. Rusch, NASA HQ

10:30-10:40 *Discussion*—All Participants

10:40-11:10 **Break**

11:10-11:30 *Contributions of SME to the Study of Ozone: Perspective of a graduate student*—
R. Eckman, NASA HQ

11:30-11:40 *Discussion*—All Participants

11:40-12:00 *SME Contribution to the Study of Polar Mesospheric Clouds*—G. Thomas, LASP

12:00-12:10 *Discussion*—All Participants

12:10-1:40 **Lunch in UMC Room 245**

Science Presentations continued (Chair: G. Rottman)

1:40-2:00 *SME, LASP, and a wonderful sabbatical year*—J. Olivero, Embry-Riddle Univ.

2:00-2:10 *Discussion*—All Participants

2:10-2:30 *Nitric Oxide from SME and the Role of Soft X-rays, Perspective of a graduate student*—
D. Siskind, NRL

2:30-2:40 *Discussion*—All Participants

2:40-3:00 *Nitric Oxide from SME: How modeling studies have benefitted*—Ray Roble, HAO/NCAR

3:00-3:10 *Discussion*—All Participants

3:10-3:25 **Break**

3:25-3:45 *SME Observations of Volcanic Aerosols, and Contributions to Aerosol Research,
Perspective of a graduate student*—J. Zawodny, NASA Langley Research Center

3:45-3:55 *Discussion*—All Participants

3:55-4:15 *SME Observations of Solar Proton Event Chemistry*—S. Solomon, Adjunct Professor, ATOC,
CU Boulder

4:15-4:25 *Discussion*

4:25-4:45 *Scientific legacy of SME*—R. Garcia, ACD/NCAR

4:45-5:00 *Discussion*—All Participants

5:00 **Adjourn**

Thursday Evening

6:00 Cash bar will open at **A Spice Life Event Center**, 5706 Arapahoe Ave

7:00 Dinner served at **A Spice Life Event Center**

Day 2 (a.m.)

University Memorial Center Room 235

Technical and Programmatic Discussions

09:00-12:00 *The morning session will include instrument talks by George Mount and George Lawrence. LASP engineering staff will discuss the instrument module and subsystems and Ball engineering personnel will present on the spacecraft and its subsystems. Jim Stuart will speak about program management and NASA, LASP and Ball interactions. Details of this session are still under development.*

12:00-1:00 **Lunch in University Memorial Center Room 245**

Day 2 (p.m.)

LASP Space Technology Building Room 299

Mission Operations

1:30-2:10 *Integration & Test and Mission Operations—Randy Davis*

2:10-2:30 *Flight Dynamics and Attitude Control—Tom Sparn*

2:30-2:45 *Mission Planning and Analysis—Tim Bell*

2:45-3:45 *Perspectives and anecdotes of SME Operations—Paul Willis, Steve Matousek, Roger Wilson and Pieter Kallemeyn*

3:45-3:55 *Current Perspective of CU Mission Operations—Josh Hecht (current LASP student)*

3:55-4:30 *Comments from the Floor and then Adjourn*

4:30 *Reception in the LASP Atrium*