

Multispectral & Hyperspectral Data Compression Working Group
October 2009 Meeting Agenda
(Draft as of October 19, 2009)

Our primary objective for the October 2009 meeting is:

- *Select lossless compression algorithm for standardization*

October 26 (MON)

AM 10:00 – 13:00

- Lossless compression results (action items 0904-9, -10, -11) – Carole Theibaut, CNES
- Lossless compression when segments are partitioned along the spectral axis (action item 0904-13) – Aaron Kiely, JPL

PM 14:00 – 18:00

- Assessment of lossless compression hardware implementation complexity (action items 0904-6, -7)
 - Presentation by Raffaele Vitulli, ESA
 - Presentation by Aaron Kiely, JPL
 - Discussion – ALL

October 27 (TUE)

AM 09:00 – 13:00

- Comparison of GPO2, Slyz2, and Rice entropy coding approaches (action items 0904-9, -10) – Aaron Kiely, JPL
- Runlength coding assessment (and discussion) – Aaron Kiely, JPL

PM 14:00 – 18:00

- Discussion and selection of lossless compression approach for standardization – ALL

October 28 (WED)

AM 09:00 – 13:00

- Lossy compression results, dynamic range issues (action item 0904-1) – Carole Thiebaut, CNES
- New lossy compression results (action item 0904-4) – Shen-En Qian, CSA
- Lossy compression algorithm and results – Enrico Magli, Politecnico di Torino
- 2010 Data Compression Activities at ESA – Raffaele Vitulli, ESA

PM 14:00 – 18:00

- Suggested corrigenda to CCSDS 122.0 Image Data Compression – ALL
- Schedule of milestones – ALL
- Wrap-up, action items – ALL