

September 2016

Data Analysis Services Group - *September 2016*

News and Accomplishments

VAPOR Project

Project information is available at: <http://www.vapor.ucar.edu>

WASP Award:

KISTI Award:

Minsu Joh visited NCAR and met with John to discuss project progress for 2016, as well as plans for 2017.

2.x Development:

3.x Development:

John continued refactoring the VAPOR params database code to address numerous shortcomings such as, poor original design, memory leaks, and complexity:

- The rendering system now operates in absolute user coordinates (not shifted "local" coordinates)

Administrative:

Samuel Li started work for the VAPOR team. Samuel came from the U. of Oregon, where he is completing his PhD in Computer Science.

Education and Outreach:

John and Scott were reviewers for the annual KSC VAPOR visualization conferences. There were 19 submissions this year.

ASD Support

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Publications, Papers & Presentations

submitted: RE: TVCG-2016-09-0278, "Spatiotemporal Wavelet Compression for Visualization of Scientific Simulation Data"

Authors: Li, Shaomeng; Sane, Sudhanshu; Orf, Leigh; Mininni, Pablo; Clyne, John; Childs, Hank

John prepared talks for his upcoming tutorial and talks at the KSC conference and CHAOS workshop in Seoul.

Systems Projects

System Support

John attended meetings for the NWSC2a and NWSC2b procurement requirements teams.

Research Projects

Time varying data compression:

Climate data compression:

Production Visualization Services & Consulting