

Abstract Submitted
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The Data Matrix: Dynamic Analysis of Remote Sensing Measurements S. JAKE ATKINS, NIMMI SHARMA, Central Connecticut State University — The nature of experimental science is to inevitably present unanticipated problems to the researcher. Solving these problems requires an understanding of the physics of the experiment, the analytical skills to conceive a solution, and the technical knowledge necessary to execute the plan efficiently. Remote atmospheric sensing research produces a 3 dimensional data set that can be interpreted from a variety of perspectives. Proper handling of the data matrix is helpful in its ability to automate vital analysis steps such as cloud clearing and clean air region selection, but it is also an invaluable tool in addressing systematic issues uncovered throughout the experimental process.

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