

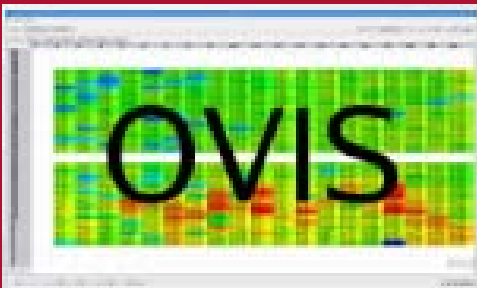
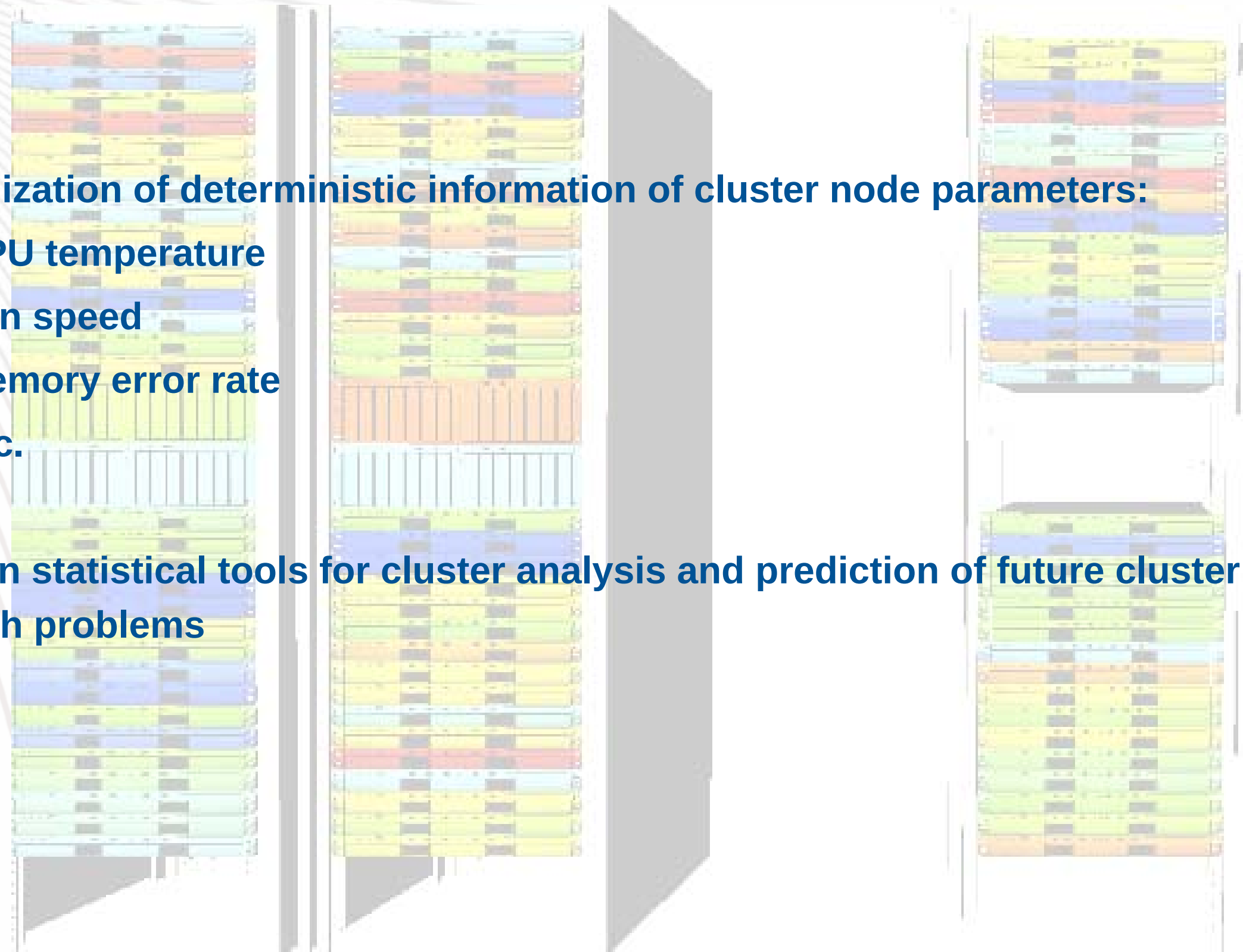
OVIS:

A Tool for Intelligent, Real-time Monitoring of Computational Clusters

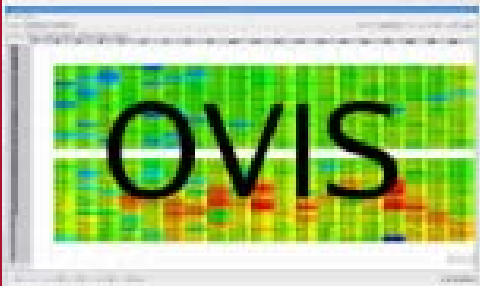
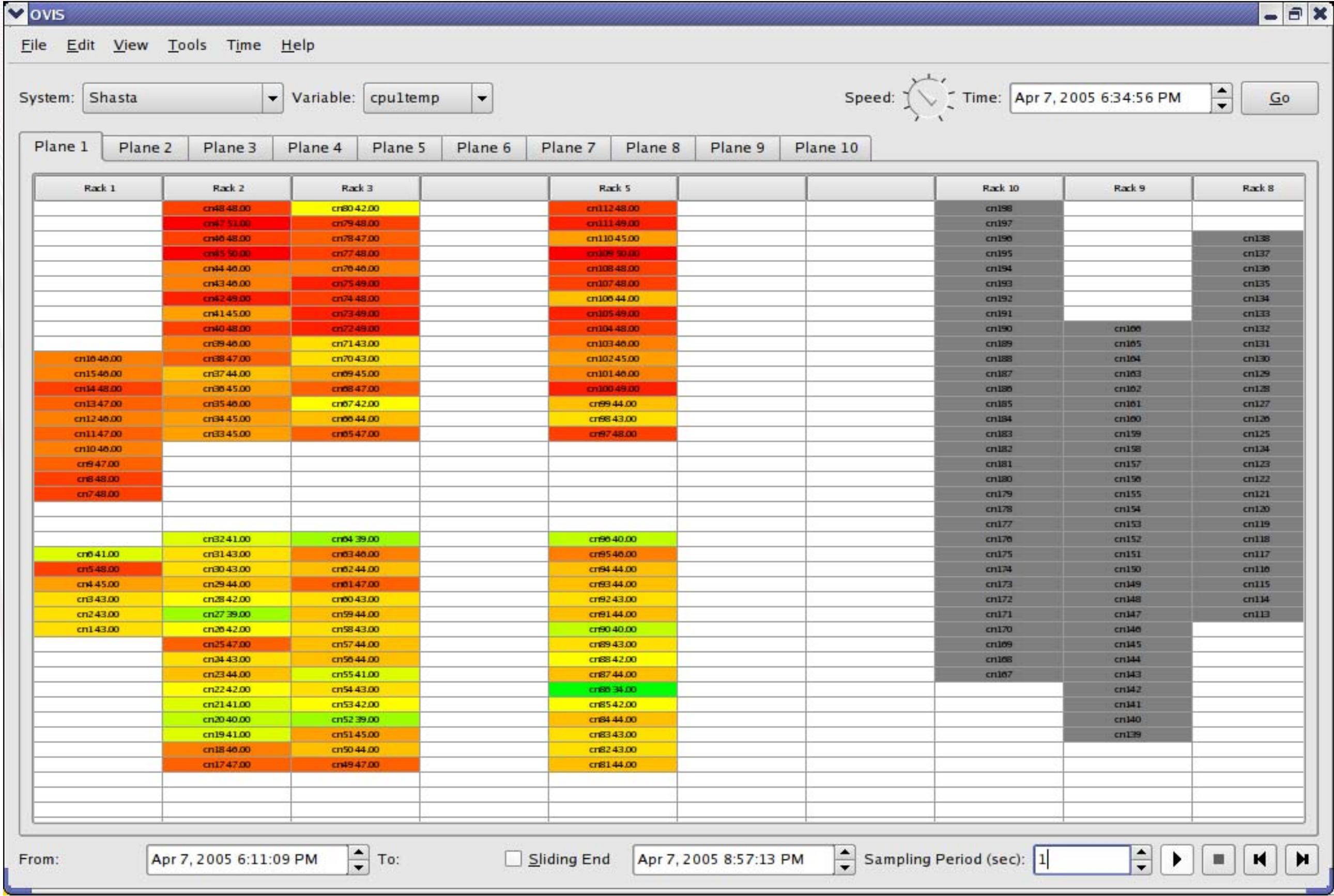
Visualization of deterministic information of cluster node parameters:

- CPU temperature
- Fan speed
- Memory error rate
- Etc.

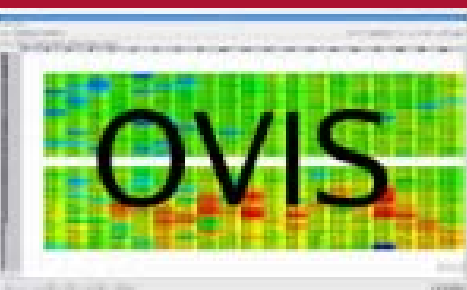
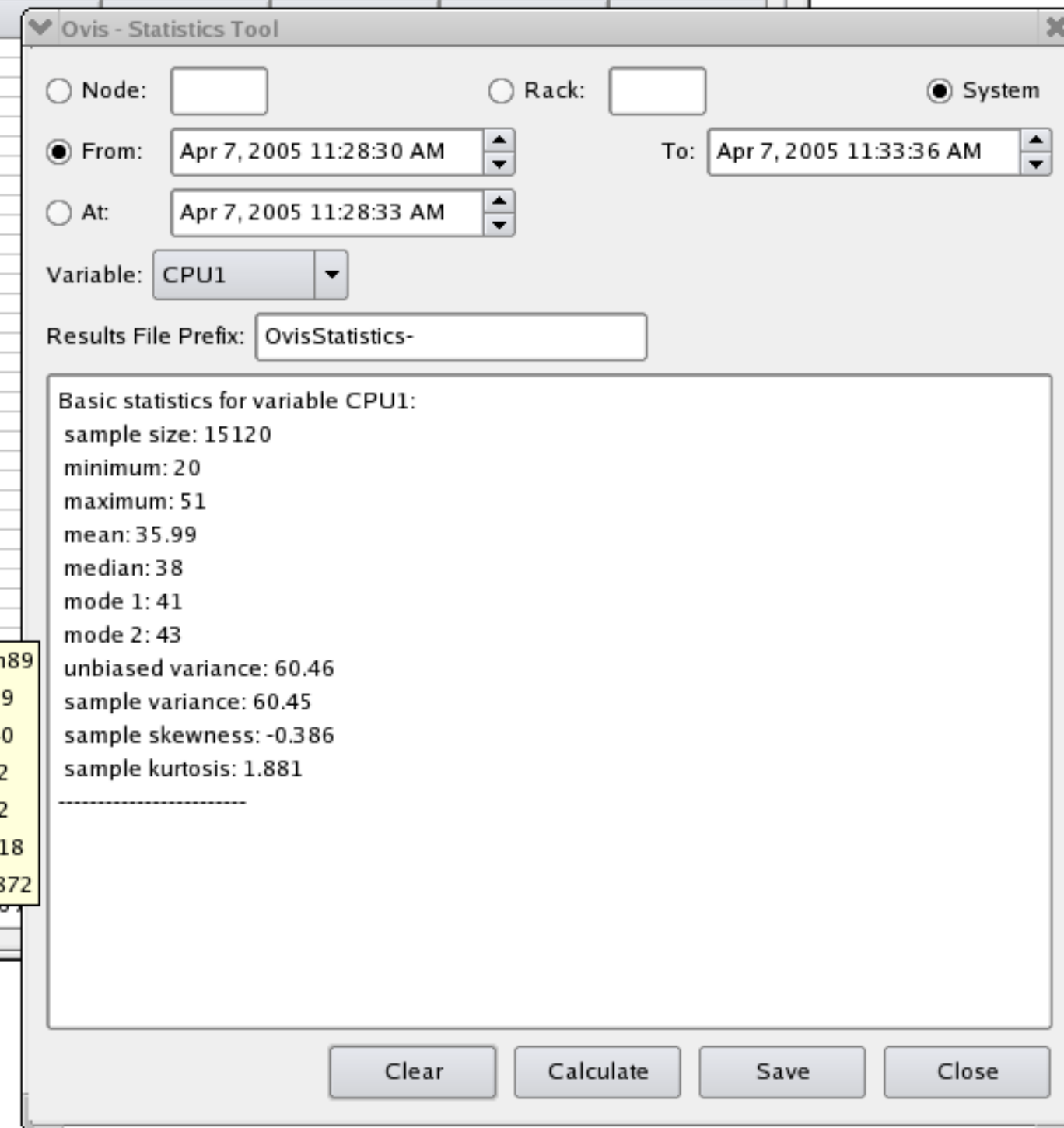
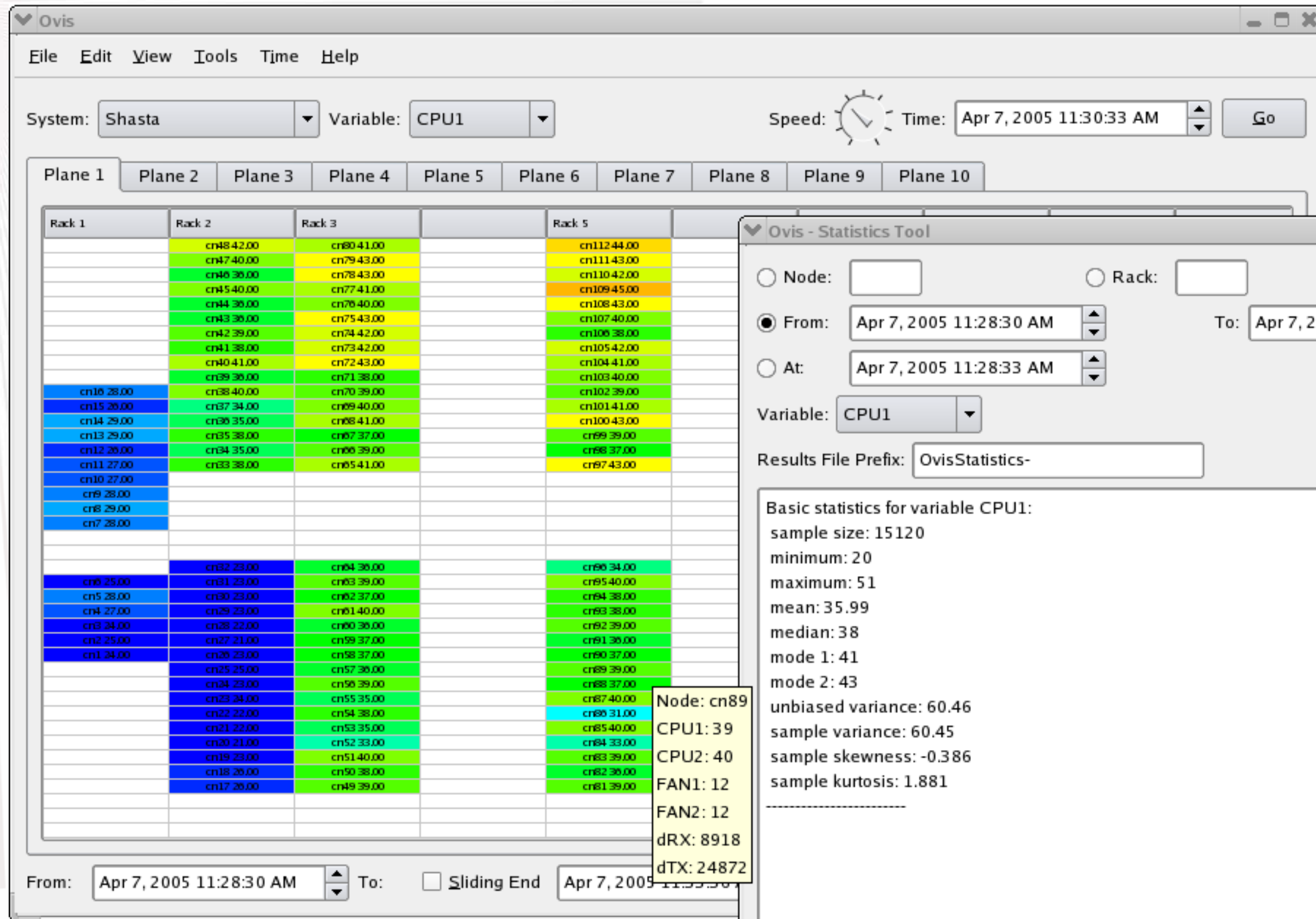
Built-in statistical tools for cluster analysis and prediction of future cluster health problems



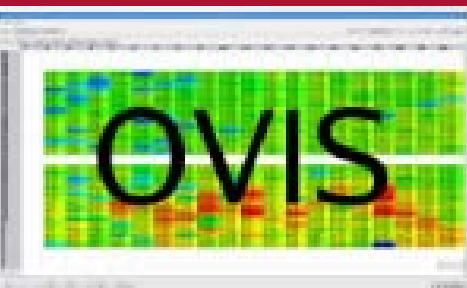
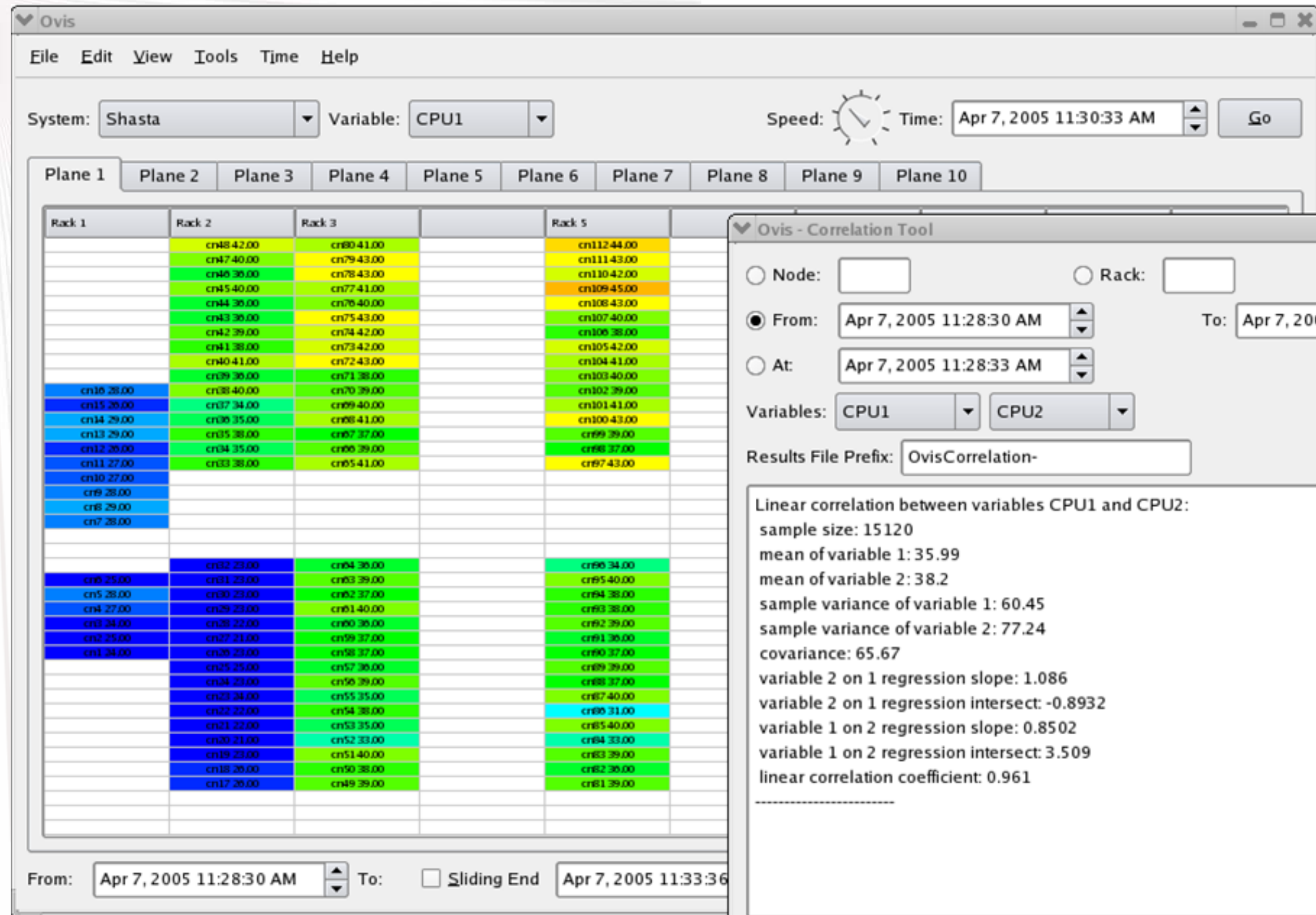
Visual Detection of Environmental Effects



Quantification of Spatial and Temporal Parameter Behavior

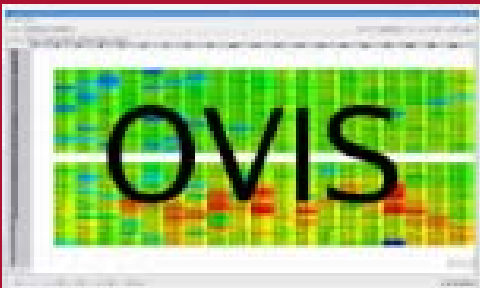
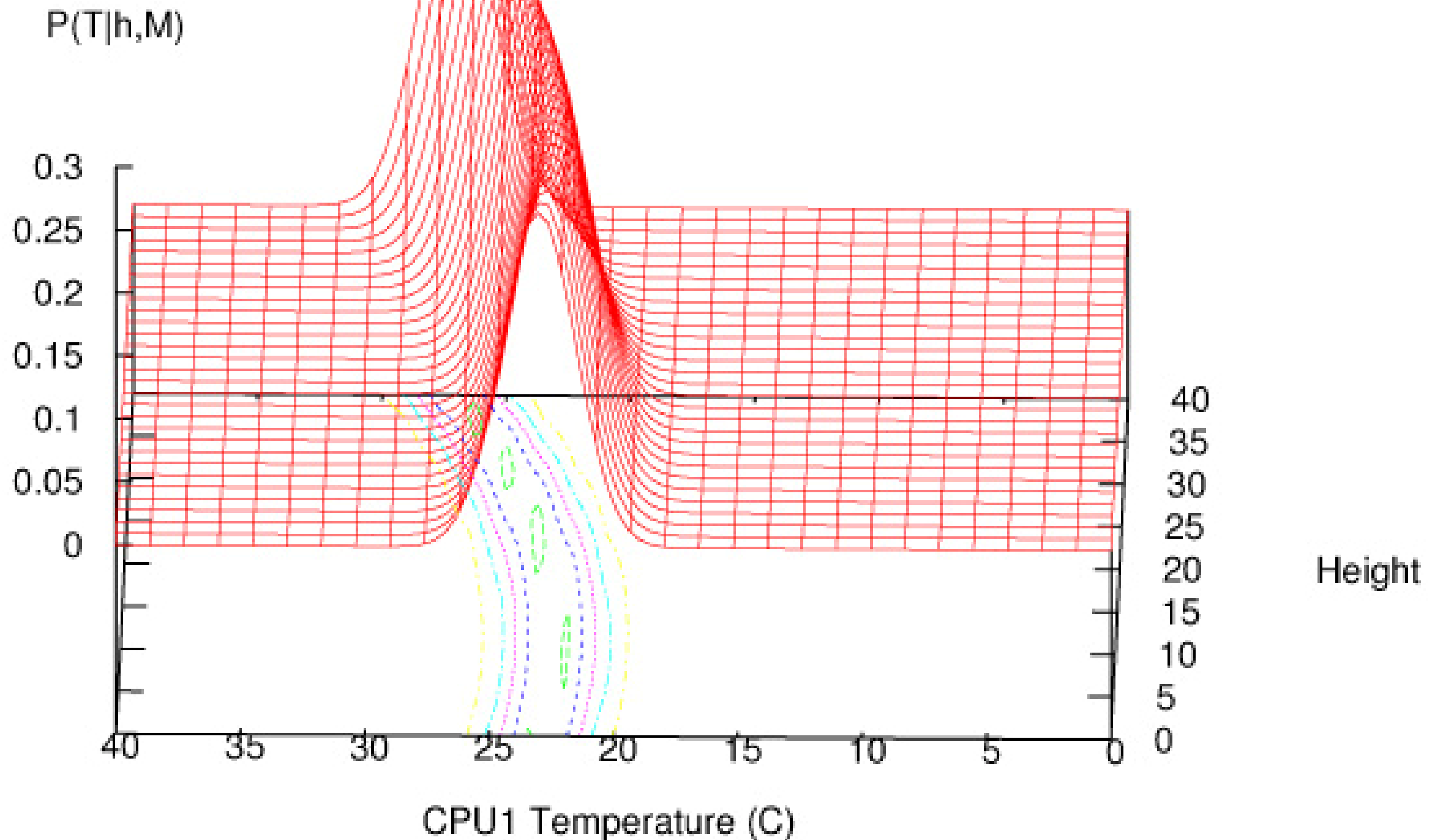


Quantification of Correlation Between System Parameters

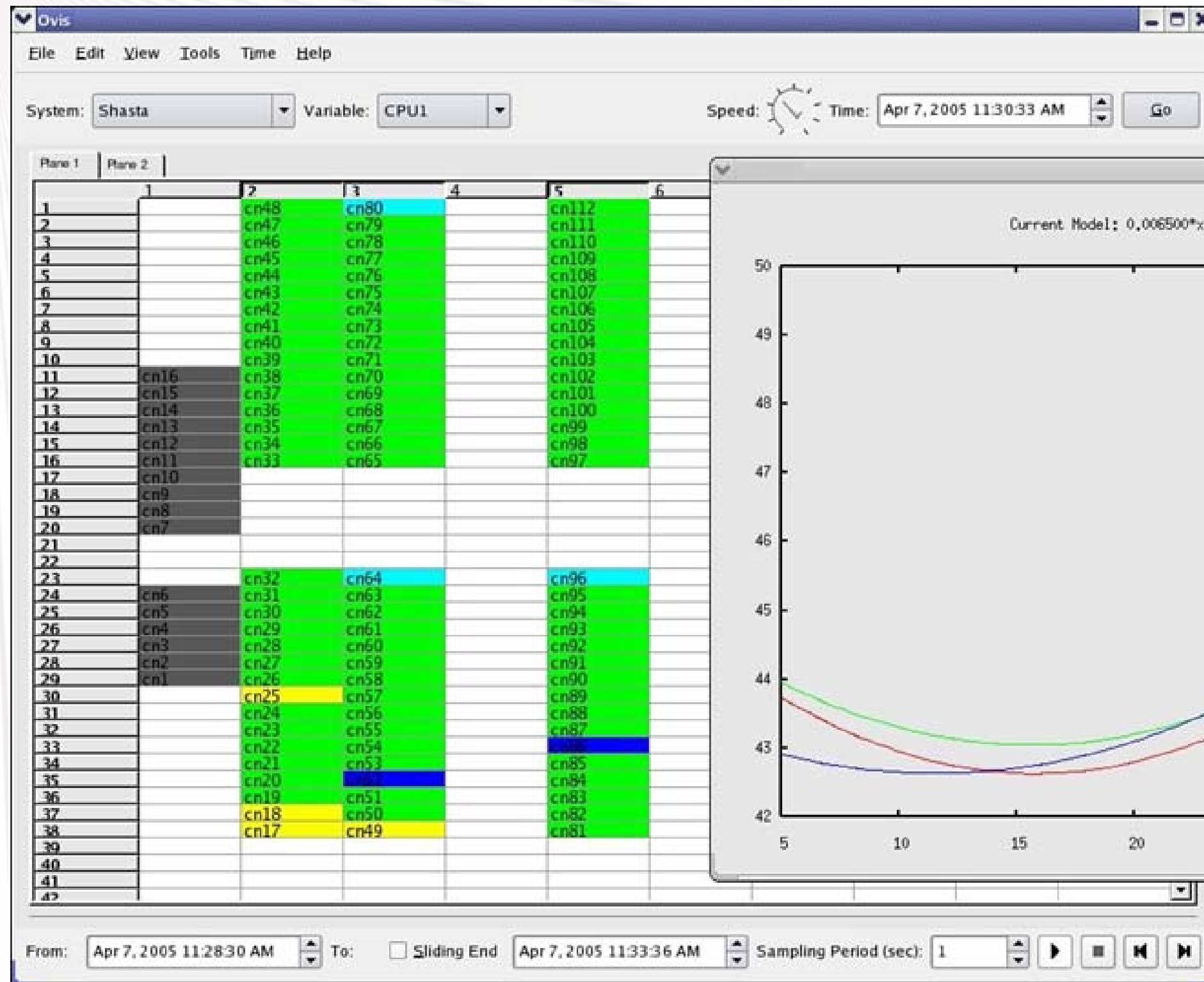


Modeling of Environmental Effects Using Bayesian Inference

Probability Isosurfaces	0.25	---
	0.2	---
	0.15	---
	0.1	---
	0.05	---



Using Environmental Modeling and Color-Map Binning to Facilitate Outlier Detection



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