

## **THE WAVE CONSORTIUM DWP INSTRUMENT ON CLUSTER**

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The concept and advantages of a central control and data-processing unit are discussed. Implementation of the concepts in the Digital Wave Processor (DWP) within the Cluster Wave Experiment Consortium (WEC) and the Mars96 Elisma Consortium are described. The benefits to the science return and project management are discussed in terms of better co-ordinated science, more precise sampling synchronisation and the reduced complexity of interfaces both with project management and for spacecraft integration and testing.