

Integration and Test Plan Fred Hearty (CU-CASA)

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NIC-FPS 1-Year Review

Integration and Test Plan defines scope and nature of effort to completion

- Shows effort from CDR to completion/delivery
- Identifies additional needs for delivery
- Emphasizes systematic build-up and test









Front-end inspection, fit checks, interface verification minimizes integration problems







Optical and detector assemblies are checked out and characterized prior to integration onto optical bench





Optical bench integration verifies warm alignment and mechanism interfaces





Integrated Dewar assembly incorporates critical thermal and vacuum components





System integration and test at C.U. verifies all system functions and tests operational performance





Observatory level integration and test verifies APO interfaces and generates optical performance data





Additional support/equipment required to meet I&T completion

- Alignment Plan
- Test procedures (selected activities)
- Telescope simulator (fiber optic on translation stage?)
- CCD Package? (per Alignment Plan)
- Alignment support equipment
- Control S/W
- Diagnostic S/W
- Laser/lamp sources



