

Payload Assembly and Verification

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The experiment racks are assembled as a package on Spacelab mockup floor sections. All rack-to-rack and rack-to-floor interfaces are verified. The power consumption, voltage drops, noise, data rates, and software are monitored and tested as an assembled payload.

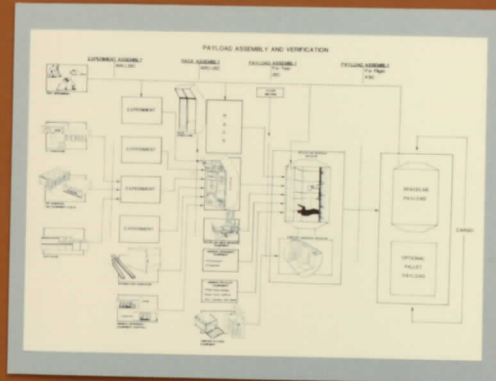
The entire assembly of floors and racks are installed into the Spacelab mockup and all mechanical and electrical interfaces are verified. A checkout test is performed to verify data acquisition and processing systems.



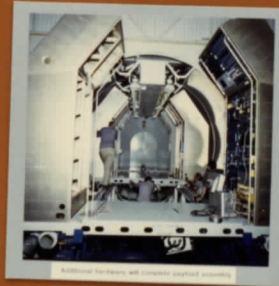
Experiment racks placed into position for installation into Spacelab Mockup



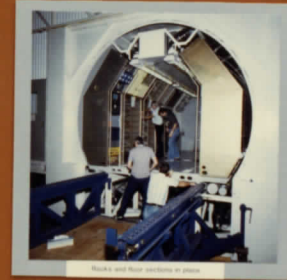
Experiment racks transported by Spacelab mockup



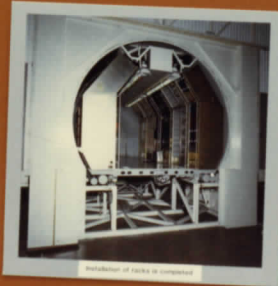
Installation of experiment racks into Spacelab Mockup



Adjustment experiment racks with completed power and data connections



Completed Spacelab mockup with experiment racks



Installation of racks in completed



Complete Spacelab mockup used in flight development tests