

# Experiment Rack Assembly and Checkout

JSC LIFE SCIENCES

The experiment components are assembled into the experiment racks in the flight configuration to verify interfaces between vehicle and hardware components. Testing is performed to insure that the experiment components operate as a total experiment system and perform satisfactorily to meet the experiment objectives. Each total experiment system has to be compatible with other experiment systems. In addition, all of the integrated racks must be compatible with the Spacelab.



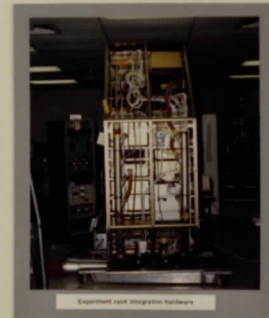
Hardware installation into an experiment rack



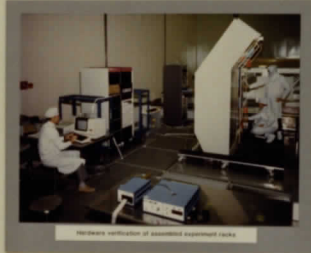
Assembled experiment double rack



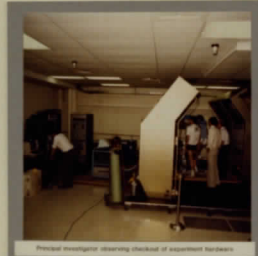
Partially assembled experiment double rack



Experiment rack integration hardware



Hardware verification of assembled experiment racks



Physical inspection/observing checkout of experiment hardware



Experiment hardware installation and checkout



Experiment hardware checkout



The JSC Life Sciences checkout team in the working laboratory