



## HUMAN HEALTH AND PERFORMANCE

Exploring Space | Enhancing Life

# Manual Control of Vehicles

## Handling Qualities

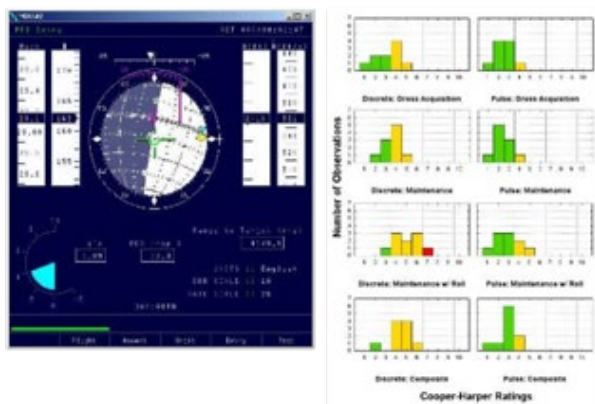
Handling Qualities are those qualities or characteristics of a flight vehicle that govern the ease and precision with which a pilot can perform the various tasks that are required to support a given mission.

### Renowned Skills and Unique Capabilities

Handling qualities are measured on the “Cooper-Harper” (CH) rating scale, which was originally published in 1969. Since then NASA, the FAA, DoD, and most foreign agencies have used CH ratings to assess the handling qualities of vehicles as a key component of flight certification. NASA’s Human Systems Engineering and Integration Division (SF) has extensive capabilities and experience in handling qualities assessment for spacecraft.

### Services Provided

- Access to simulator facilities
- Flight scenario definition
- Task analyses
- Performance criteria selection
- Test planning
- Pilot briefing and familiarization
- Test conduction and data collection
- Data analysis



Johnson Space Center



For the benefit of all

For more information:  
 NASA Human Health and Performance Directorate  
[www.nasa.gov/hhp/](http://www.nasa.gov/hhp/)

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