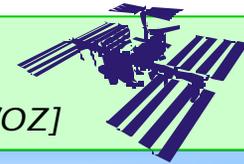


ISS Research Accommodations Status

17 September 2004 (Data through 31 August 2004)

[POC: Dan Hartman/OZ]



Research Operations

METRIC TYPE	STATUS	ORGANIZATION	ACCOUNTABLE POC	UPDATED
▶ Manager's Level Performance Indicator		▶ OZ	▶ Hartman	▶ 9/17/04

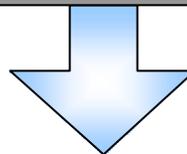
DESCRIPTOR

- ▶ The Research Operations Indicator shows the Program's performance in accommodating and accomplishing research objectives that were established one month before the beginning of the Increment in the Final Integrated On-Orbit Operations Summary (OOS).

STATUS DETAIL

- Ⓞ Cumulative through Increment 8: 92% research objectives accommodated by ISS. (This measures the performance of ISS in accommodating the Investigation.)
- Ⓞ Cumulative through Increment 8: 90% research objectives accomplished by Investigators. (This measures the performance of ISS in accommodating the Investigations plus the performance of the experiment hardware.)
- Ⓞ Increment 8: 90% of the research objectives were accommodated by ISS.
- Ⓞ Increment 8: 88% of the research objectives were accomplished by Investigators.

PERFORMANCE INDICATOR METRICS



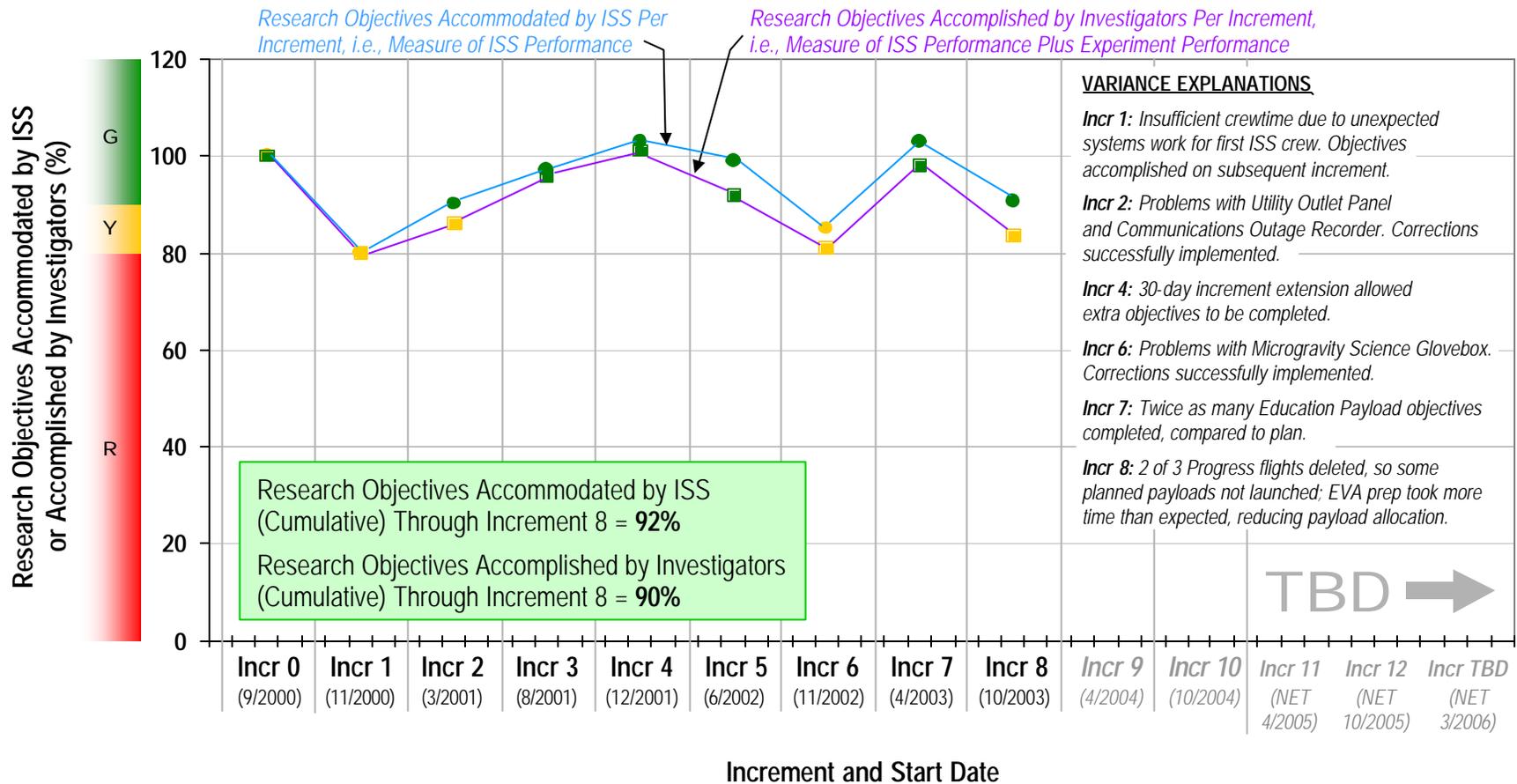
Metrics / Performance Information

RESEARCH OPERATIONS

Accommodations by ISS and Accomplishments by Investigators Compared to the L-1-Month Plan

17 September 2004 (Data through 31 August 2004) [POC: Dan Hartman/OZ]

Status:
GREEN

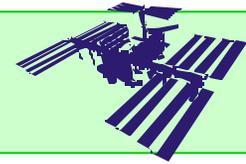


RESEARCH OPERATIONS

Metrics Definitions, Sources, and Status Levels

17 September 2004 (Data through 31 August 2004)

[POC: Dan Hartman/OZ]



Definitions, Sources, and Status Levels

U.S. Investigator: The principal person selected or approved by NASA to conduct a research investigation on-board ISS.

Investigations: Any NASA-sponsored scientific research, commercial research, engineering research, Earth observations, partner research sponsored through NASA, and education experiments or demonstrations conducted on-board ISS. Does not include Risk Mitigation Tests (*see separate definition*).

Source: Lead Increment Scientist

Total Number of Investigations to Date: The cumulative number of U.S.-sponsored investigations carried out on ISS to date. This number also includes any international investigations conducted with U.S. research resources as part of agreements with the ISS international partners. If an investigation requires experimentation on more than one Increment, it is designated a continuing investigation and counted only once. The cumulative number is updated at the date of each Shuttle flight to ISS, which is when new investigations are added.

Source: The Investigator Master List, maintained by the Lead Increment Scientist, provides the number per Increment. The Increment Scientist also provides the cumulative number per Shuttle flight.

Increment Length: The time period that an expedition crew is on orbit. It is measured from their launch date to their ISS undock date, and is documented in the Increment Definition Requirements Document (IDRD) Flight Program Definition matrix.

Continuous U.S. Research Time to Date: The time that the U.S. Laboratory has been continuously supporting research investigations, not counting short-term stoppages lasting only a few hours. The U.S. Lab began supporting research investigations in March 2001, and has done so continuously since then.

Source: The Increment Scientist assisted by investigation payload planners at NASA/Marshall Space Flight Center.

Research Objectives Accommodated by ISS: Each investigation may have several objectives, experiments, or steps to be carried out during an Increment. For each investigation in the Final Integrated On-Orbit Summary (OOS), the percent of objectives, experiments, or steps successfully accommodated by the ISS is calculated then all investigations are averaged together to determine the per Increment value and the cumulative value through the last completed Increment. Only the performance of ISS in accommodating the investigation is measured. The metric does not include performance of the experiment hardware.

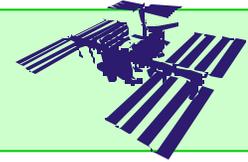
Source: ISS Research Accommodations list, maintained by the Lead Increment Scientist.

RESEARCH OPERATIONS

Metrics Definitions, Sources, and Status Levels

17 September 2004 (Data through 31 August 2004)

[POC: Dan Hartman/OZ]



Average Crew Time Per Investigation Through Increment X: The average length of time that all investigations to date used the crew in the conduct of the experiment. This does not include the times for Human Research Investigations on the crew members.

Research Objectives Accomplished by Investigators: The percent of planned research objectives defined in the Final Integrated On-Orbit Summary for each investigation that have been accommodated successfully by the ISS *and* performed successfully by the experiment hardware. The values for each investigation are averaged together to determine the research objectives accomplished during each Increment and the cumulative objectives accomplished through the last completed Increment.

Source: ISS Research Accomplishments and Failures list, maintained by the Lead Increment Scientist.

Status Level Definitions

Research Objectives Accommodated by ISS (%)

Green: 90% or more of research objectives accommodated by ISS.

Yellow: 80-90% of research objectives accommodated by ISS.

Red: Less than 80% of research objectives accommodated by ISS.

Research Objectives Accomplished by Investigators (%)

Green: 90% or more of research objectives accomplished by Investigators.

Yellow: 80-90% of research objectives accomplished by Investigators.

Red: Less than 80% of research objectives accomplished by Investigators.