

INTO ORBIT

M01 Space Travel

Vehicle Payload rolled past first track connection	Yes	No
Supply Payload rolled past first track connection	Yes	No
Crew Payload rolled past first track connection	Yes	No

M02 Solar Panel Array

Both Solar Panels are angled toward the same Field	Yes	No
Your Solar Panel is angled toward the other team's Field	Yes	No

M03 3D Printing

2x4 Brick is ejected (due only to a Regolith Core Sample in the 3D Printer)	Yes	No
2x4 Brick is completely in Northeast Planet Area	Yes	No

M04 Crater Crossing

All weight-bearing features of crossing equipment crossed completely between towers	Yes	No
All crossing equipment crossed from east to west, completely past the flattened Gate	Yes	No

M05 Extraction

All four Core Samples are no longer touching axle of Core Site Model	Yes	No
Gas Core Sample is touching the Mat and completely in Lander's Target Circle	Yes	No
-OR- Gas Core Sample is completely in Base	Yes	No
Water Core Sample is supported only by the Food Growth Chamber	Yes	No

M06 Space Station Modules

Cone Module is completely in Base	Yes	No
Tube Module is in west port of the Habitation Hub	Yes	No
Dock Module is in east port of the Habitation Hub	Yes	No

M07 Space Walk Emergency

Astronaut "Gerhard" is in the Habitation Hub's Airlock Chamber:	No	Partly	Completely
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M08 Aerobic Exercise

Exercise pointer tip is in (due only to moving one or both Handle Assemblies):	None	Gray	White	Orange
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M09 Strength Exercise

Strength Bar is lifted so that the tooth-strip's 4th hole is at least partly in view.	Yes	No
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M10 Food Production

Gray weight is dropped after green, but before tan (due only to moving the Push Bar.)

Yes No

M11 Escape Velocity

Spacecraft stays up (due only to pressing/hitting the Strike Pad)

Yes No

M12 Satellite Orbits

Satellites on or above the area between the two lines of Outer Orbit:

M13 Observatory

The Observatory pointer tip is in:

None Gray White Orange

M14 Meteoroid Deflection

Meteoroids touching the Mat and in the Center Section:

Meteoroids touching the Mat and in Either Side Section:

M15 Lander Touch-Down

Lander is intact and touching the Mat

Yes No

Lander is completely in:

None Base Northeast Planet Area Target Circle

Penalties

Number of Penalty Discs in the southeast triangle: