Team #: ___________________  Referee: ___________________
Round: ___________________  Table: ___________________

M01 – SPACE TRAVEL
(For each roll, cart must be independent by the time it reaches first track connection)
Vehicle Payload rolled past first track connection  No  Yes
Supply Payload rolled past first track connection  No  Yes
Crew Payload rolled past first track connection  No  Yes

M02 – SOLAR PANEL ARRAY
Both Solar Panels are angled toward the same Field  No  Yes
Your Solar Panel is angled to other team’s Field  No  Yes

M03 – 3D PRINTING
2x4 Brick is ejected  No  Yes
(due only to a Regolith Core Sample in the 3D Printer)
2x4 Brick is completely in Northeast Planet Area  No  Yes

M04 – CRATER CROSSING
All weight-bearing features of crossing equipment crossed completely between towers  No  Yes
All crossing equipment crossed from east to west, completely past flattened Gate  No  Yes

M05 – EXTRACTION
All four Core Samples no longer touching axle of Core Site Model  No  Yes
Gas Core Sample touching Mat & completely in Lander’s Target Circle  No  Yes
Gas Core Sample is completely in Base  No  Yes
Water Core Sample supported only by Food Growth Chamber  No  Yes

M06 – SPACE STATION MODULE
(Inserted Modules must not touch anything except Habitation Hub)
Cone Module is completely in Base  No  Yes
Tube Module is in west port of Habitation Hub  No  Yes
Dock Module is in east port of Habitation Hub  No  Yes

M07 – SPACE WALK EMERGENCY
Astronaut “Gerhard” is in the Habitation Hub’s Airlock Chamber:
No  Partly  Completely

M08 – AEROBIC EXERCISE
(If Pointer is partly covering either grey or orange end borders, select that respective color)
Exercise Pointer tip is in: None  Gray  White  Orange
(due only to moving one or both Handle Assemblies)

M09 – STRENGTH EXERCISE
Strength Bar lifted so that tooth-strip’s 4th hole is at least partly in view  No  Yes

M10 – FOOD PRODUCTION
Grey weight is dropped after green, but before tan  No  Yes
(due only to moving the Push Bar)

M11 – ESCAPE VELOCITY
Spacecraft stays up  No  Yes
(due only to pressing/hitting Strike Pad)

M12 – SATELLITE ORBITS
Satellites on or above the area between the two lines of Outer Orbit:  0  1  2  3

M13 – OBSERVATORY
(If pointer is partly covering either gray or orange end borders, select that respective color)
The Observatory pointer tip is in: None  Gray  White  Orange

M14 – METEOROID DEFLECTION
(The Meteoroid must cross from west of the Free-Line)
(The Meteoroid must be completely independent between the hit/release and scoring position)
Meteoroids touching the Mat and in the Center Section:  0  1  2
Meteoroids touching the Mat and in Either Side Section:  0  1  2

M15 – LANDER TOUCH-DOWN
Lander is intact and touching the Mat  No  Yes
Lander is completely in:
None  Base  Northeast Planet Area  Target Circle

PENALTIES
Penalty discs in the southeast triangle  0  1  2  3  4  5  6

RETURN LOOSE ITEMS
(1x) Supply Payload, (1x) Crew Payload, (1x) Vehicle Payload,
(1x) Dock Module, (1x) Cone Module, (1x) Tube Module,
(1x) Meteoroid Ring, (1x) Water Core Sample, (2x) Regolith Core Sample,
(1x) Gas Core Sample, (1x) Satellite V, (1x) Satellite C, (1x) Satellite X,
(1x) Astronaut “Gerhard”, (2x) Lander Parts, (1x) 2x4 Brick,
(6x) Penalty Discs, (1x) Meteoroid Ring, (2x) Meteoroids

Team Initials: ___________________