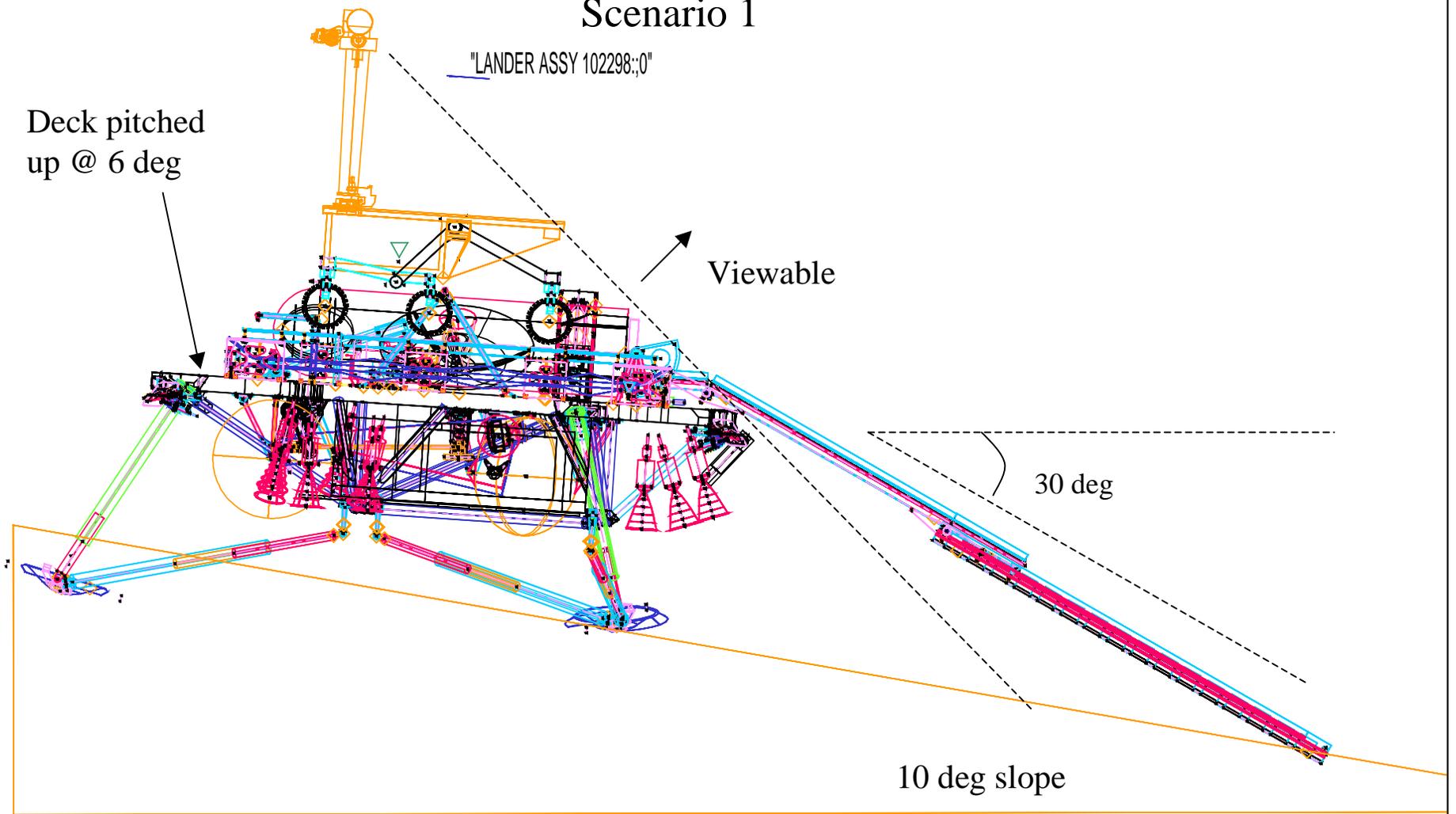


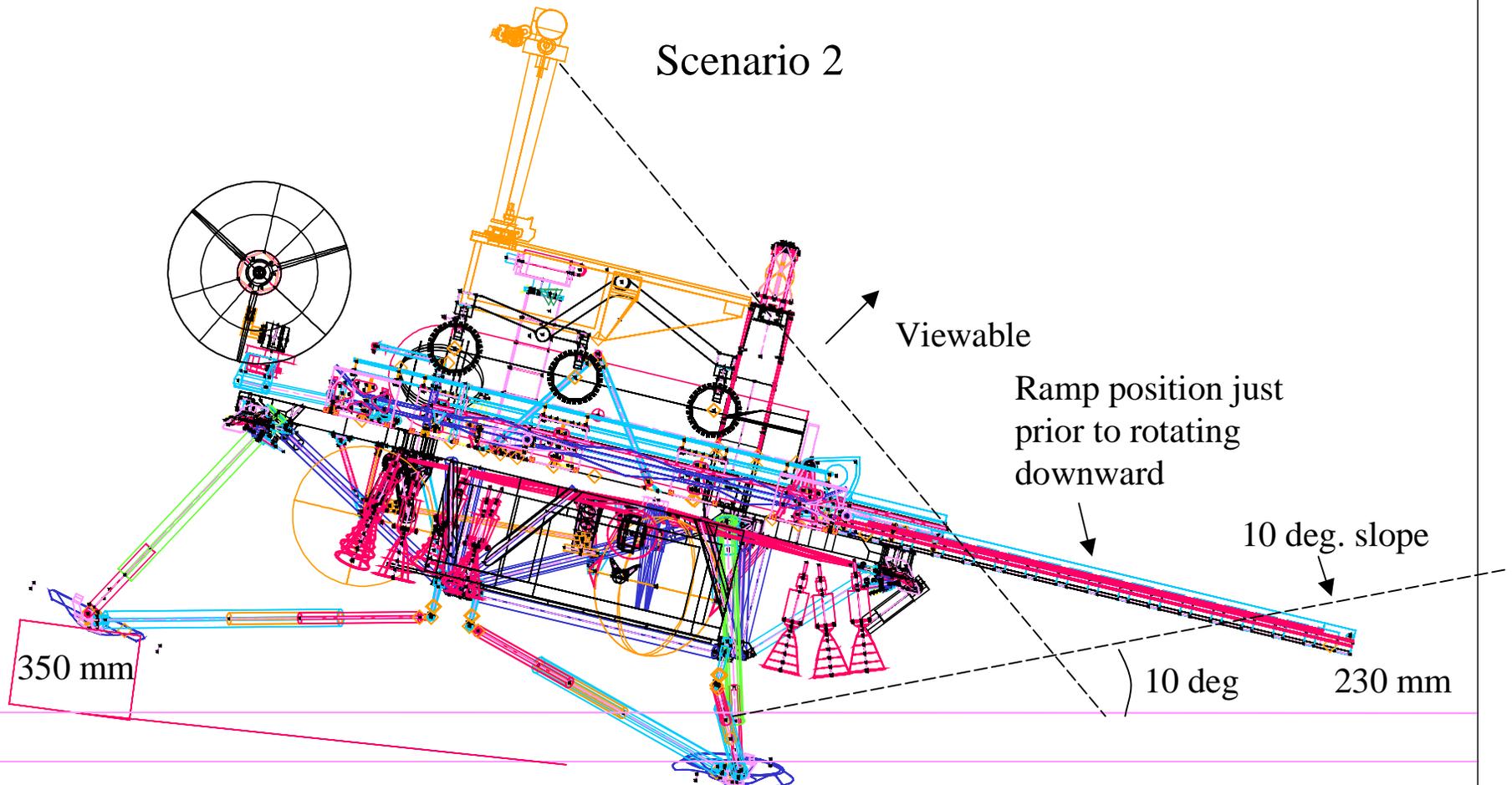
# Scenario 1



Lander on 10 deg slope with 6 deg of deck tilt due to differential leg crush (leg crush not shown). Ramps deploy “downhill” 26 deg relative to the deck, which is 30 deg. relative to “flat” ground. Pancam has ample view of terrain.



## Scenario 2

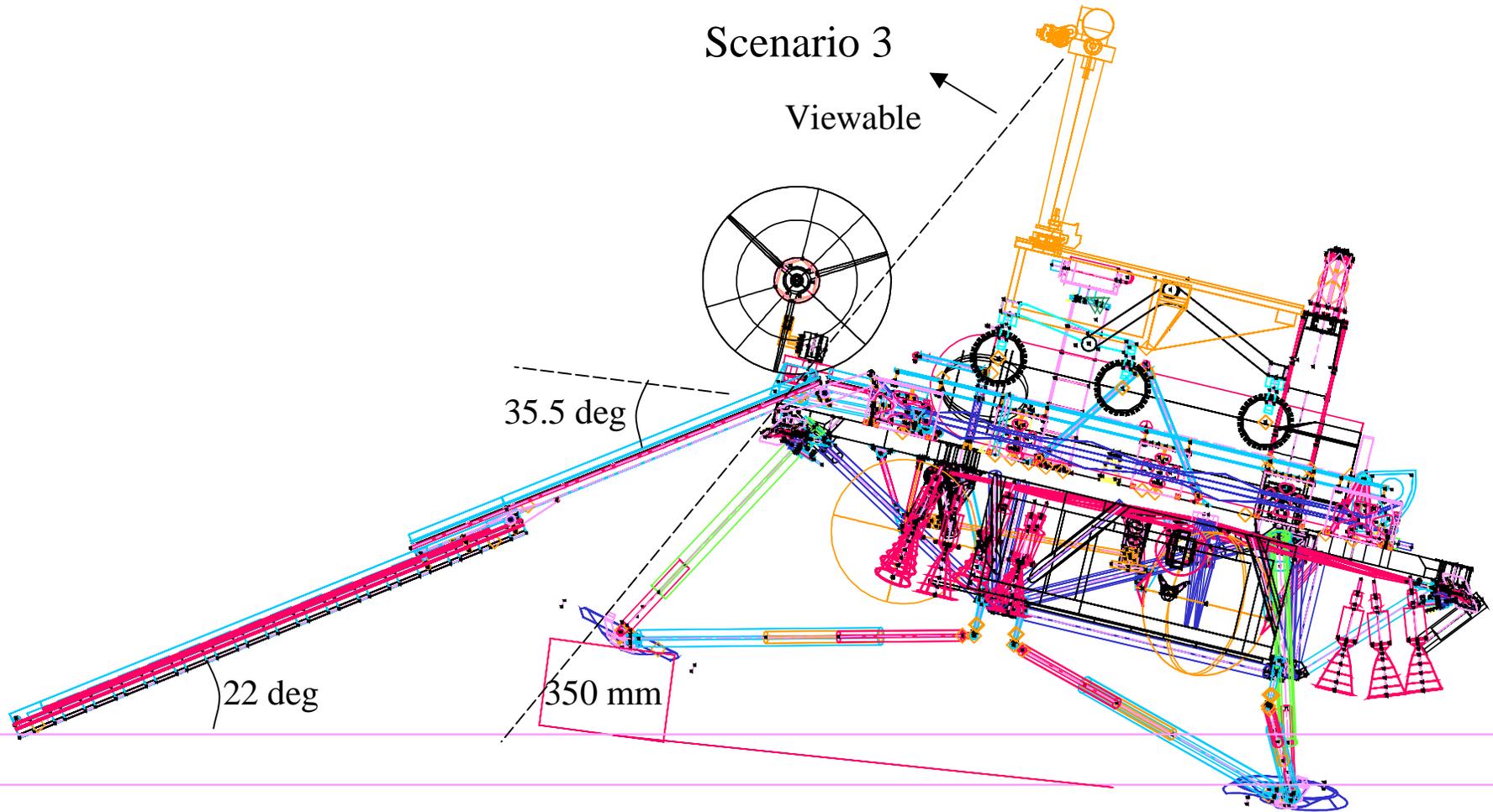


Lander on level ground but one leg rests on 350 tall mm 'rock' and other two legs crush enough to produce 6 deg of deck tilt relative to the plane of the footpads (leg crush not shown). Just before ramps start to rotate downward, end of ramps are 230 mm off ground. If the ground were to slope upward (as shown by the dashed line), the ramps would dig into the ground prior to rotating downward.

Note: If none of the legs crush, one leg on a 350 mm rock produces 7.5 deg of deck tilt. Therefore, total deck tilt in configuration shown is 13.5 deg relative to 'flat' ground

### Scenario 3

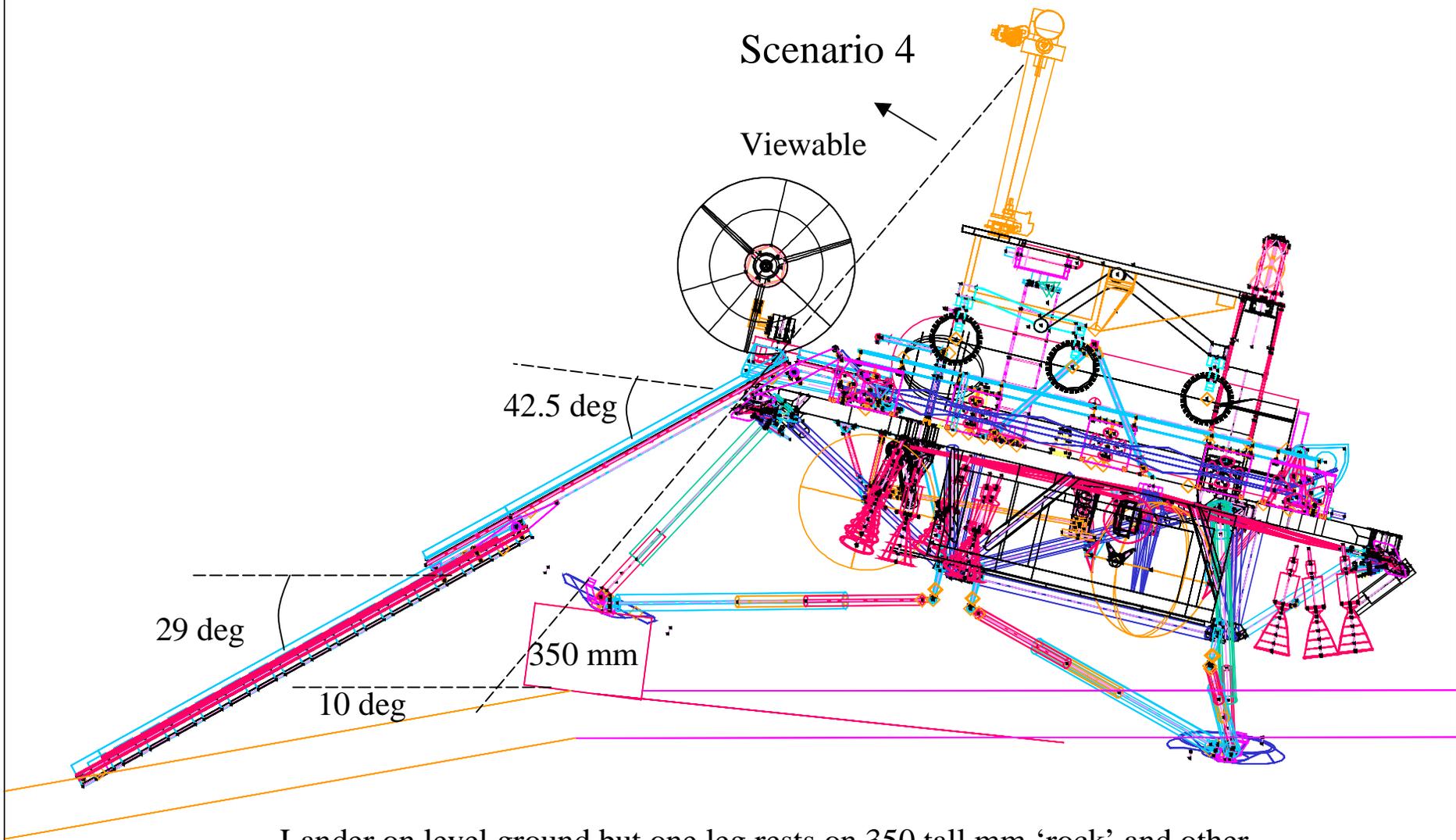
Viewable



Lander on level ground but one leg rests on 350 tall mm 'rock' and other two legs crush enough to produce 6 deg of deck tilt relative to the plane of the footpads (leg crush not shown). Ramps rotate downward 35.5 deg relative to the deck and produce 22 deg angle relative to flat ground.

Note: If none of the legs crush, one leg on a 350 mm rock produces 7.5 deg of deck tilt. Therefore, total deck tilt in configuration shown is 13.5 deg relative to 'flat' ground





Lander on level ground but one leg rests on 350 tall mm 'rock' and other two legs crush enough to produce 6 deg of deck tilt relative to the plane of the footpads (leg crush not shown). Terrain slopes 10 deg downward next to the lander. Ramps rotate downward 42.5 deg relative to the deck and produce 29 deg angle relative to flat ground.



