

## Plot Complications in APOLLO 13

Lovell gets word that he's going to moon.

Mattingly gets exposed to measles. He is replaced by Swigert, two days before launch.

Swigert fails to make the GDC alignment in a test.

Engine 5 fails on launch. They can still make it.

Haise vomits, feels sick.

After much tension, Swigert does the GDC alignment.

Oxygen stir causes explosion.

They are venting oxygen into space.

Houston decides to shut down the fuel cells to stop leak. Kills plans for moon.

Shutting the valves fails to stop the oxygen leak. Must power up the LEM. Astronauts only have 15 minutes to make the transfer to LEM, which includes mathematically converting the figures.

No attitude control on the LEM.

Houston realizes they can only survive for 45 hours, not enough time to reach Earth.

They only have 16 hours of power.

Which route is best, direct abort or slingshot around moon?

They must use only 12 amps of power, so they have to turn everything off. Fear that once the command module is shut down it will be frozen and will not be able to power up when they need it in a few days.

No more waste dumps.

Haise has fever.

Carbon dioxide levels dangerous. Filters won't fit. Must make them fit! Haise tears the bag in attempting to make contraption.

Haise takes aspirin.

Getting cold. See breath.

Swigert worries about skipping out of atmosphere.

Carbon dioxide getting worse. Must build scrubber.

Must sleep! Haise has 104 degrees fever. Lovell rips off biomed sensor.

Must do course correction, but can't use computer, must do manually. Haise ill.

Mattingly finds that power procedures are not working. Need more power and can't find it.

Burst helium disk!

Power sequence works, but still need four amps.

Weight is wrong! No moon rocks!

Typhoon warning on edge of prime recovery area.

Heat shield! Is it okay or not?

Haise is sicker.

Reentry batteries are low. Must tie all batteries together.

Approach is too shallow, but nothing can be done, so don't tell 'em.

Chance that parachutes are frozen.

Signal reacquisition takes way too long... but they land safely.