

Lawson

Mission Techniques Memo #39C

TO: Distribution
FROM: Malcolm W. Johnston
DATE: November 7, 1969
SUBJECT: Absolutely Final "H" Mission Techniques Review

Lunar Orbit Activities - (dated 10/30/69)

On page 3-3, second V93 for CSM should utilize 2 fps not 10 fps.

Middle of page 3-7 should read "R max and V max are expected to be exceeded for the first 5 - 10 marks after orbit insertion and the first 1 - 2 marks after CSI."

In the middle of page 4-3, V16N20 should be changed to VO 6N20 and "verb" should be changed to "enter." Same comment made for "G" (MTM #32, item #6).

Bottom of page 4-6, should add that S/C should also be rolled if landmark is too far from ground track.

Middle of page 4-16, AGS should read LGC.

Bottom of page 5-6, third Note G should be 0.003 fps², not 0.03 fps².

Bottom of page 5-8 and 5-13, Note D should read 0.075 deg/hr, not 0.045 deg/hr.

TEI, TE (MCC), and Entry - (dated 10/31/69)

On page 14, the cross-over point for "no comm" P23 sightings is indicated as EI-24 hours. (Page 55 of the contingency document has it at EI-20 hours). On previous missions, with more optimal lighting conditions, EI-30 hours was used. For H1 this point should be moved earlier, if it is moved, not later....like to EI-35!

Contingency Procedures - (dated 10/31/69)

The TLI backup guidance procedures on page 27 (Table 3) do not agree with a similiar outline (Table 2.1) shown in the EPO & TLI document! Start attitudes, etc..

On page 60, under para. (b) R2 is indicated at 00020 (2.0 fps). This should be increased to 20 fps. Also, all analogous cases (pages 61 & 68).

Malcolm W. Johnston

Malcolm W. Johnston