

THE CHARLES STARK DRAPER LABORATORY  
A DIVISION OF MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
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COLOSSUS Memo # 306

TO: Distribution  
FROM: N. Brodeur  
DATE: January 7, 1971  
SUBJECT: Revisions 68 through 70 of ARTEMIS

Revision 70 was GOOD.

Major changes Incorporated into Revision 68:

1. Coding in the MINKEY controller was modified to correct an improper branch to a basic instruction from interpreter code. (ADR ART-3-01)
2. Comments in the Erasable Assignment log section were corrected.

Major Changes Incorporated into Revision 69:

3. Coding was added to the V37 logic to invalidate any mark that may be in MRKBUF1 when keying in a program change via V37ExxE. It should be noted that an optics mark could be lost in a non-MINKEY Rendezvous when the astronaut does a program change, e. g. selecting P34 from P20 before R22 has begun to process mark. MINKEY sequencing is unaffected. (ADR ART-3-02)

Major Changes Incorporated into Revision 70:

4. Comments in the Erasable Flagbit alphabetical directory were updated.

- i. A restart problem in P76 was rectified by changing the type of phase change at R00 to return to the point of the phase change instead of the last display. (COM 51)
  
6. The priority of the LM active computation for P76 in a MINKEY sequence was lowered from 13 to 7 to prevent its interruption of steering INITVEL/LAMBERT (priority 10). (ADR ART-3-03)