

MIT/IL SOFTWARE ANOMALY REPORT

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| 1.1 ORIGINATOR: R. HASLAM | 1.2 ORGANIZATION: MIT | 1.3 DATE: 3/14/69 | 1.4 ORIGINATOR CONTROL NO. | PAC REPORT NO. COM 8 PROGRAM COLOSSUS 2 PROGRAM REVISION Comanche 45 | |
| 1.5 DESCRIPTION OF ANOMALY: <p>The second N88 display in P52, P54 (planet option) requires that the unit planet vector be reloaded. The first N88 load is for the Auto Optics Positioning Routine; the second is for mark verification. The first-loaded vector is overlaid by calculated data before the second N88 appears.</p> <p style="text-align: right;">CONTINUED ON PAGE</p> | | | | | |
| 1.6 DESCRIPTION OF RUN: <p>Inconvenience illustrated during Mission D.</p> <p style="text-align: right;">CONTINUED ON PAGE</p> | | | | | |
| - MIT ANALYSIS - | | | | | |
| 2.1 CAUSE: Use of N88 display registers for multiple purposes (display and temporary storage). <p style="text-align: right;">CONTINUED ON PAGE</p> | | | | | |
| 2.2 RECOGNITION: Second N88 does not contain unit planet vector loaded at first N88. <p style="text-align: right;">CONTINUED ON PAGE</p> | | | | | |
| 2.3 MISSION EFFECT: None, if recognized and unit planet vector is reloaded at second N88. Otherwise, large N05 angular errors are encountered. No effect on P51, P53 use of N88. <p style="text-align: right;">CONTINUED ON PAGE</p> | | | | | |
| 2.4 AVOIDANCE PROCEDURE: Reload unit planet vector at second N88. <p style="text-align: right;">CONTINUED ON PAGE</p> | | | | | |
| 2.5 RECOVERY PROCEDURE: Proceed on "please perform fine align," causing recycle for new mark. <p style="text-align: right;">CONTINUED ON PAGE</p> | | | | | |
| 2.6 PROGRAM CORRECTION: Identify new erasable location which is not shared until second N88 display. <p style="text-align: right;">CONTINUED ON PAGE</p> | | | | | |
| 2.7 RECOMMENDED DISPOSITION (Fix, Work-around, etc): Follow (2.4) above for COLOSSUS 2. Fix for COLOSSUS 2A. <p style="text-align: right;">CONTINUED ON PAGE</p> | | | | | |
| 2.8 RECOMMENDED RE-TESTING: Verify that erasable location (2.6) chosen is not shared because 1st and 2nd N88's. <p style="text-align: right;">CONTINUED ON PAGE</p> | | | | | |
| 2.9 MIT/IL SIGNATURE: <i>[Signature]</i> | | | 2.10 DATE: 3/14/69 | | |
| 3.1 NASA DIRECTION: <p style="text-align: right;">CONTINUED ON PAGE</p> | | | 4.1 CLOSING ACTION TAKEN: <p style="text-align: center;">MIT will fix for COLOSSUS 2A.</p> <p style="text-align: right;">CONTINUED ON PAGE</p> | | |
| 3.2 NASA/MSC SIGNATURE: | 3.3 ORGANIZATION | 3.4 DATE: | 4.2 SIGNATURE: | 4.3 ORGANIZATION | 4.4 DATE: |