

OFTIONAL FORM NO. 10 MAY 1982 EDITION GSA FFMR (41 OFF) 101-11.6 UNITED STATES GOVERNMENT

Memorandum

TO : See list attached

DATE: JUL 1 0 1969

FROM : FS/Chief, Flight Support Division

In reply refer to: 69-FS55-7

SUBJECT: Additional program notes for the G mission COLOSSUS 2A program

1. Reference is made to our memorandum entitled "COLOSSUS 2A and IUMINARY 1A program and operational notes, first edition for mission G (COMANCHE 55 and LUMINARY 99)," dated June 11, 1969.

2. The following program notes should be added to Section A.

1.4.4 If the time between the selection of P23 and the first mark in that program is greater than one hour, a V93E should be keyed to initialize the W-matrix. Problem: The W-matrix is initialized at selection of P23 and would build up cross-correlation terms such that the first ΔV display in N49 would be non-zero. See also anomaly report COM 16.

1.4.5 In P37, ΔV solutions of < 5 FPS will bias **T**IG incorrectly. For an RCS burn of 1 FPS or less TIG could occur up to 20 seconds sooner. Avoidance procedure: None required. Entry parameters are not sensitive to the above slip due to negligible central angle change.

1.5.8 If the VHF range is greater than 163.83 NM, a range error of up to 18 meters (0.01 NM) is incorporated into the updated state vector. See also anomaly report COM 17.

1.7.9 A PROCEED or an ENTER to a flashing V97 in P40 may result in a V04N12 display (calling V90-R36 inadvertently). A V34E will terminate this display (and routine 36) and restore normal displays in P40.

A V34E to a flashing V97 will sometimes not terminate P40. It may cause a 1502 (POODOO) alarm. However, since AVERAGE-G is still on, a V97N40 would then be put on the DSKY. A V34E must be executed again to exit P40. See also anomaly report COM 20.



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3.7.2 The T3 clock is not correctly initialized if two waitlist calls are present to be executed at the same time and a software restart occurs during execution of the first task. This should not happen during normal program sequencing; however, precautions described in program note 1.2.2 should be exercised. See also anomaly report COM 18.

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