

GEORGE C. MARSHALL SPACE FLIGHT CENTER
HUNTSVILLE, ALABAMA

Memorandum

TO : Mr. Fred Vreuls, I-I/IB-E
Through: ~~Mr. Kempmeier, R-ASTR-BV~~
JCR 11-10-66

FROM : Chief, Guidance and Control
Systems Analysis Branch, R-ASTR-NG

SUBJECT : AS-204 Flight Program errors

DATE: November 10, 1966

In reply refer to:
R-ASTR-NG-159-66
PDNicaise/lw/876-1357

1. The following discrepancies have been found on the AS-204 flight tapes after delivery to KSC:

- a. Incorrect switch selector address at $T_4 + 4726.6$ seconds.
- b. Double stage select resulting in a switch selector function omitted at $T_4 + 2540.2$ seconds.
- c. Ladder B bit set in MC 24 improperly.
- d. Time delay in switch selector routine insufficient prior to PIO 052.
- e. CIU address tables had wrong signs associated with multiplexers.
- f. (A_e/R) overflow in region around liftoff.

2. Items a and b were discovered at KSC before checkout of the tape at MSFC. The tape was delivered before the scheduled date (Oct 7) without checkout. The request for the early delivery was made by KSC and approved by I.O. The other items were discovered in the normal verification procedures at MSFC.

3. All items have been corrected by changes to the program except item f. This discrepancy has no effect on reliability and an insignificant effect on accuracy. Therefore no change is planned for the 204 program.

S M Seltzer
S. M. Seltzer

Approval:

F. B. Moore
for F. B. Moore

Chief, Guidance and Control Division
MSFC - Form 488 (August 1960)

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cc:

I-I/1B-U, Mr. Simmons

I-I/1B-U, Mr. Hight

R-ASTR-N, Mr. Moore

R-ASTR-NG, Dr. Seltzer

R-ASTR-NGI, Mr. Nicaise

R-ASTR-NG, Branch file/record copy

R-ASTR-X, Reference file

Branch copy