# Massachusetts Institute of Technology 

Instrumentation Laboratory
Cambridge, Massachusetts

## Flight 501 Memo \# 14

## TO: Distribution

FROM: Jay A. Sampson
DATE: August 31, 1967
SUBJECT: Values Used for the Final Verification of the AS-501 Prelaunch Erasable Memory Data Load on the MIT/IL Digital Simulator

The following is a list of the terms, their definitions, SOLRUM55 addresses, scale factors and units, decimal values, and octal equivalents used to verify the final prelaunch erasable memory data load for AS-501.

This data was incorporated into and end-to-end digital simulation of the mission ( 600 seconds of prelaunch alignment through Pacific splash-down) based on a lift-off at 1300 G. M. T. on October 15, 1967.

The only parameters expected to change are DTEPOCH (launch date dependant), Cold Soak gimbal angles, (launch time and launch month dependant), azimuth and elevation of prelaunch alignment optical verification targets (yet to be determined), final IMU Compensation parameters, and the two MCP gimbal pot settings (CGY, CGZ).

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