Silver

MIT/IL
Apollo Guidance and Navigation
System Test Group Memo No.: 864

To: Ain Laats

From: George T. Schmidt

Date: 12 September 1966

Subject: BLOCK II GYROCOMPASS

At present, the gyrocompass programmed in Aurora, Sundial, and Sunburst assemblies

a) has the capability to align to any orientation;

b) has the capability to change orientation without recycling the program;

c) is compensated for component errors;

d) is capable of optical verification (CSM);

e) is restart proofed;

f) and incorporates a sway filter based on the present model of vehicle dynamics used in the digital simulator.

Physically, the gyrocompass works in the same manner as before except that it is integrated with the optimum filter calibration procedures. The procedures for running the gyrocompass - initialization, major modes and verb-nouns - will be changed as soon as the author receives the inputs for the various mission programs. Also, lift-off procedures have not yet been defined and are not included in the program.

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