



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION
 LYNDON B. JOHNSON SPACE CENTER
 HOUSTON, TEXAS 77058

FS 52



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REPLY TO
 ATTN OF: FS52-75-16

MEMORANDUM

TO: CF/Flight Control Division
 Attn: CF6/Brock R. Stone/Kenneth W. Russell

FROM: FS/Chief, Ground Data Systems Division

SUBJECT: *Values of Certain Apollo Soyuz Test Project (ASTP) Prelaunch Erasable Load Parameters

The following Command Module Computer Erasable Load Parameters are being forwarded for your consideration. The values stated for the given parameters are the values that are contained in the Preliminary Prelaunch Erasable Load. The same value will be used for the Final Prelaunch Erasable Load unless we are otherwise directed.

- a. HDSUPFLG, FLAGWORD 10 bit 11. This parameter is presently set to 0 to indicate a heads-up attitude for 3-axis MINKEY P20 control when in retrograde attitude.
- b. C31FLWDR. In octal form ABCDE, of which digit A is used for backup to channel 31 bits 15-13, and digit D for channel 33 bits 5-4. This parameter is currently set to 00000.
- c. DAPDATR3. In octal form ABCDE, the individual octal bits are used to control significance for the jet selection logic of the docked Digital Autopilot (DAP). This parameter is currently set to 11111.
- d. CH5FAIL. In octal form ABCDE, individual bits are set to 1 to indicate that the corresponding Reaction Control System (RCS) jet driven by that bit of channel 5 is disabled. This parameter is currently set to 00146.
- e. CH6FAIL. In octal form ABCDE, analogous function to CH5FAIL. This parameter is currently set to 00000.
- f. DAPDATR1. In octal form ABCDE, used to control RCS and Thrust Vector Control DAP's. Displayed in R1 of N46. This parameter is currently set to 31102.

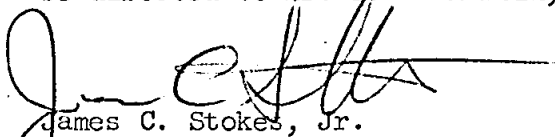
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g. DAPDATR2. In octal form ABCDE, used to control RCS DAP. Displayed in R2 of N#6. This parameter is currently set to 01111.

h. NBOA. Matrix used to give the direction of the Y-Z axis of the Apollo Telescope Mount Sensor Coordinate Systems in navigation-base coordinates. This parameter was used for the Skylab missions; accordingly, it will be set to 0 for ASTP.

Questions or comments concerning the above-mentioned parameters should be directed to Mr. J. A. Martin, extension 3231.



James C. Stokes, Jr.

cc:

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