Moonbit

James E.Dobson, Rena J.Mosteirin

Published by Punctum Books


For additional information about this book
https://muse.jhu.edu/book/75670

For content related to this chapter
https://muse.jhu.edu/related_content?type=book&id=2624392
**P11**

- DESIRED ATTITUDE IS AS STORED AT L.O.
- B) FROM RPSTART TO POLYSTOP (APPROX. +10 TO +133 SECS AFTER LO)
- DESIRED ATTITUDE IS SPECIFIED BY CMC PITCH AND ROLL
- POLYNOMIALS DURING SATURN ROLLOUT AND PITCHOVER
- THE DISPLAY IS RUN AS LOW PRIORITY JOB APPROX.
- EVERY 1/2 SEC OR LESS AND IS DISABLED UPON OVFLO OF
- SUBROUTINES CALLED
- CLEANDSP DANZIG

- ASTRONAUT REQUESTS (IF ALTITUDE ABOVE 300,000 FT)
- IF ASTRONAUT HAS REQUESTED ANY OF THESE DISPLAYS HE MUST
- HIT PROCEED TO RETURN TO NORMAL NOUN 62 DISPLAY.
- ASTRONAUT VERB 37 ENTER 00 ENTER
- ERASABLE INITIALIZATION
- CLEAR ERADFLAG
- DEBRIS
- BODY1, BODY2, BODY3

**DXCH-PHASE5**      * INACTIVE GROUP 5, PRELAUNCH PROTECTION
P11+7 EXTEND

**LAUNCHAZ**

DAD PDDL
TCF +2

**POSTJUMP**

TCF REP11A -5

**ATERTASK**

CAF PRI01
TC FINDVAC

**EBANK= BODY3**

2CADR ATERJOB

**CS RCSFLAGS**

**MASK BIT3**

**TC TASKOVER**

**GETDOWN**

STQ SETPD
TC   ENDFJOB    # STAURN STICK ON -- KILL JOB
CAF   BIT10     # CHECK IF S/C CONTROL
CCS   SATSW     # IT IS NOT -- WAS IT ON LAST CYCLE
DAD   DSU       # ASSUMING X(SM) ALONG LAUNCH AZIMUTH,
PUSH   # LET R(RAD) = 2*PI*ROLL(REV)
SIN   PUSH      # CHECK IF S/C CONTROL
PUSH   CALL      # MGC OGC
DAD   SR2       # CHANGE SCALE OF AK TO 2REVS
GOTO
DMP   PUSH      # ASSUMING X(SM) ALONG LAUNCH AZIMUTH,
DAD   SL1       # LET R(RAD) = 2*PI*ROLL(REV)
TC   ATERJOB    # END OF ATT ERROR DISPLAY CYCLE
TAKEON CAF   BIT9   # ENABLE
       AMOONFLG
EARTHALT BDSU
       EXTEND    # IS COMPLETED
       EXTEND    # ROLLOUT COMPLETED
# ASTRONAUT MAY REQUEST SATURN TAKEOVER THROUGH
# EXTENDED VERB 46 (BITS 13,14 OF DAPDATR1 SET).
# COMMANDS AND IT TRANSMITS THESE TO SATURN AS DC
# VOLTAGES. THE VALUE OF THE CONSTANT RATE COMMAND
# IS 0.5 DEG/SEC. AN ABSENCE OF RHC ACTIVITY RE-
# VERB 46 ENTER (SEE ASTRONAUT ABOVE)
CADR   ZEROJET   # LEAVE THE T6 CLOCK DISABLED
SBANK= LOWSUPER
SETLOC   P11FOUR
QXCH   QRUPT      # CHECK IF MAN ROT BITS SAME
RXOR   CHAN31    # FOR PITCH YAW AND ROLL
CADR   STICKCHK  # FOR PITCH YAW AND ROLL
CADR   NEEDLER   # END OF SATURN STICK CONTROL
TCF   RESUME