

TELEMETRY CALIBRATION PROGRAM TT01 SEQUENCE

A2 Start

B2 Issue all SIB TM Discretes off

C2 Are any D.O.'s inhibited by switch position

D2 Issue all SIVB discretes off except inflight; issue inflight ON

E2 Are any D.O.'s switch inhibited

F2 Issue all IU discretes OFF except inflight; Issue inflight ON

G2 Are any D.O.'s inhibited by switch position

H2 Display preflight FM Calibration in process

J2 Issue SIB Stage preflight command

B4 Issue IU discretes, inflight-off, preflight-ON, AC Comm - ON

C4 Delay 1 Sec

D4 Issue SIB ~~XXXXXXXXXX~~ discretes FM Command ON

E4 Issue IU Calibrate Command - ON

F4 Delay 1 sec

G4 Issue IU Discrete Calibrate Command off

H4 Delay 29 sec

J4 Issue SIB discrete FM Command-off; Issue IU discrete AC Command OFF

Page C2

B2 Display preflight sweep calibration in process

C2 Issue SIVB discretes inflight -OFF; preflight -ON

D2 Issue IU discrete SSB Command - ON

E-2 Delay 1 sec

F2 Issue IU Calibration Command ON

G2 Issue SIB and SIVB discretes SSB Commands - ON
Sweep & Fixed - 30 sec begin

H2 Delay 1 sec

J2 Issue SIB, SIVB SSB Commands-OFF
IU Cal Command OFF

B4 Display preflight 00% level calibration in process

C4 Delay 15 sec

D4 Display preflight 25% level calibration in process

E4 Issue SIB SIVB & IU 25% Commands ON

F4 Delay 2 ⁵sec

Page C3

A2 Issue SIB SIVB & IU 25% Commands OFF 50% Commands ON

B2 Delay 2 sec

C2 Display preflight 75% level calibration in process

D2 Issue SIB SIVB & IU 50% Commands OFF; 75% Commands ON

E2 Delay 2 sec

F2 Display preflight 100% level calibration in process

G2 Issue SIB SIVB & IU 75% Command OFF; 100% Command ON

H2 Delay 15 sec

A4 Display inflight calibration in process

B4 Issue SIB SIVB & IU 100% Command OFF

C4 Issue SIB SIVB & IU preflight Commands OFF

D4 Issue SIB SIVB & IU inflight Commands ON

E4 Delay 1 sec

F4 Set RTIP RTHO in BHC & AGCSC to invalidate DDAS SIB & IU only

G4 Issue SIB FM Command - ON

H4 Issue SIVB Regular Command ON

J4 Issue IU Calibration Command ON

K4 Delay 5 sec

PAGE C34

A2 Issue IU Calibration Command OFF
B2 Issue SIB FM Command OFF
C2 Clear RTIP in BHC & AGCSC
D2 Issue SIVB Regular Command OFF special Command ON
E2 Issue SIVB Regular Command ON
F2 Delay 5 sec
G2 Issue SIVB Regular & Special Commands OFF
H2 Display Program Finish
J2 Return to operating system

TRM 15 12

DF2 - 10, 12 1, 2
DF1 - 11, 14, -04 3, 4

TGSE--Perform full calibration--set up for closed or open loop reception as required. Tape recording will be required.

As respective stage power ON or in order as below, turn ON respective stage TM & proceed with checkout.

CMCD Notify Blockhouse Measuring & Meter Monitors that all stages will be experiencing calibrations.

BlTM } 5 min. ca. Check TM Calibrate modes--preflight and in-flight all modes--ascertain visually proper operation.
B4TM } Then instruct measuring panel operator to place all
BUTM } calibrate controls to the "Auto" position.

BlTM } Set Sweep Cal to proper period & mode.
B4TM }
BUTM }

BLTM Assure ClMP, C4MP, CUMP Cal controls in "Auto". Request Inst. CRT Control/Display console (CMCD) to call up TM Cal. Prog. TT01

BlTM Tape Recorder ON. Anotate on proper OIS channel "TM Cal. Prog. Test, Run #1 (date) etc.

BLTM Request CMCD initiate TM Cal Prog TT01 on CMCD mark.

CMCD Readout CRT display as program progresses.

BlTM } Monitor to verify occurrence of cal. on FM/FM links.
B4TM }
BUTM }

BLTM Monitor to verify S200p Cal/Fixed Freq. Cal occurs on all SS/FM links.

CMCD Notify when Prog. Complete.

BlTM Tape recorder OFF.

BlTM Utilize tape playback & oscillograph to verify proper
B4TM calibration sequence
BUTM

(Prog. run time = 100 seconds if AC Cal & Sw Cal is 30 seconds duration.)