USE MAGNET TO START MISSION
Sleeping ....  30 second check  USE MAGNET TO START MISSION
Sleeping .... 30 second check

NBST13

Initializing ... please stand-by
valve open

FLASHER on

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START

77. RESET INIT.

****   USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION   ****

WHAT YOU WANT BOSS?
FLASHER off

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START

77. RESET INIT.

****   USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION   ****

WHAT YOU WANT BOSS? 6
FLASHER off
V1= 103  V2= 155  Vac= 75  pres (cB)= 6   temp (mD)= 27443

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START
77. RESET INIT.

****   USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION   ****

WHAT YOU WANT BOSS? 2
FLASHER off

NBST13 Mission Parameters

THE TIME IS 13:54:55 ON 07/15/07
THE NBST WILL SURFACE ON (M/D/Y @ Hr) 00/00/00 @ 0000
NBST WILL SEEK A DEPTH EQUAL TO 0 cB
SURFACE DETECTION OFF
Argos ID is A5272 00

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START
77. RESET INIT.

****   USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION   ****

WHAT YOU WANT BOSS? 4
FLASHER off
RETRACT PIN, EXTEND PIN, MENU (1 2 3)
SELECT \  2
  extending release pin
  end of travel ... locked
RETRACT PIN, EXTEND PIN, MENU (1 2 3)
SELECT  1
  retracting release pin
  end of travel ... locked
RETRACT PIN, EXTEND PIN, MENU (1 2 3)
SELECT  1
retracting release pin
end of travel ... locked
RETRACT PIN, EXTEND PIN, MENU (1 2 3)
SELECT 2
extending release pin
end of travel ... locked
RETRACT PIN, EXTEND PIN, MENU (1 2 3)
SELECT 3

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START

77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****

WHAT YOU WANT BOSS? 6
FLASHER off
V1= 103  V2= 154  Vac= 75  pres (cB)= 6  temp (mD)= 27469

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START

77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****

WHAT YOU WANT BOSS? 5
FLASHER off
BRAKE, PUMP, AIR VALVE, MENU (1 2 3 4)
SELECT 2
retract piston, extend piston, MENU (1 2 3)
Select 1
retracting piston... hit any key to stop
limit in
retract piston, extend piston, MENU (1 2 3)
Select 2
extending piston... hit any key to stop
limit out
retract piston, extend piston, MENU (1 2 3)
Select 1
retracting piston... hit any key to stop
limit in
retract piston, extend piston, MENU (1 2 3)
Select 2
retract piston, extend piston, MENU (1 2 3)
Select 1
retracting piston... hit any key to stop
limit in
retract piston, extend piston, MENU (1 2 3)
Select 2
extending piston... hit any key to stop
limit out
retract piston, extend piston, MENU (1 2 3)
Select 3
BRAKE, PUMP, AIR VALVE, MENU (1 2 3 4)
SELECT 3
pumps for dP = 8 counts or 2 minutes
inflating - hit any key to stop
Vst= 76  Vinf= 68
hit any key to deflate
valve open
BRAKE, PUMP, AIR VALVE, MENU (1 2 3 4)
SELECT 4

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START
77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****

WHAT YOU WANT BOSS? 6
FLASHER off
V1= 103  V2= 148  Vac= 73  pres (cB)= 6  temp (mD)= 27522

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
WHAT YOU WANT BOSS? 6
FLASHER off
V1= 102  V2= 149  vac= 75  pres (cB)= 6   temp (mD)= 27528

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START
77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****
SELECT AN OPTION 6

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START
77. RESET INIT.

****   USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION   ****

WHAT YOU WANT BOSS? 1
FLASHER off
SET TIME, MISSION LENGTH, AUTO-BALLAST, S_DET, PTT, MAIN MENU (1 2 3 4 5 6)
SELECT AN OPTION 1
Year (2 digit): 07
Month: 07
Day: 15
Hour: 14
Minute: 41
Second: 30
THE TIME IS 14:41:30 ON 07/15/07
SET TIME, MISSION LENGTH, AUTO-BALLAST, S_DET, PTT, MAIN MENU (1 2 3 4 5 6)
SELECT AN OPTION 2
minutes set at = 00
Year (2 digit): 07
Month: 07
Day: 16
Hour: 09
THE NBST WILL SURFACE ON (M/D/Y @ Hr) 07/16/07 @ 0900
SET TIME, MISSION LENGTH, AUTO-BALLAST, S_DET, PTT, MAIN MENU (1 2 3 4 5 6)
SELECT AN OPTION 3
NEUTRALLY BUOYANT DEPTH IN CBARS, ENTER 0 TO DISABLE 1500
NBST WILL SEEK A DEPTH EQUAL TO 1500 CB
SET TIME, MISSION LENGTH, AUTO-BALLAST, S_DET, PTT, MAIN MENU (1 2 3 4 5 6)
SELECT AN OPTION 4
SURFACE DETECTOR OFF, ON (1 2)
SELECT 1
SURFACE DETECTION OFF
SET TIME, MISSION LENGTH, AUTO-BALLAST, S_DET, PTT, MAIN MENU (1 2 3 4 5 6)
SELECT AN OPTION 6

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
WHAT YOU WANT BOSS? 9
FLASHER off
STARTING MISSION ... I'LL BE BACK ... CUL !!
FLASHER on
MISSION STARTED AT
THE TIME IS 14:43:41 ON 07/15/07
NBST13 IN MISSION, SEE YOU LATER ...
THE NBST WILL SURFACE ON (M/D/Y @ Hr) 07/16/07 @ 0900
NBST WILL SEEK A DEPTH EQUAL TO 1500 CB
Valve open
Prepare Instrument for Launch
hit any key to exit
swipe magnet to initiate pre-launch check
bladder inflates when complete
swipe magnet when ready to launch
extending release pin
end of travel ... locked
FLASHER off
USE MAGNET TO CONTINUE (1)
hit any key to exit
FLASHER on
continue after pause #1
checking vital signs at 14:44:14 ON 07/15/07
CPU (90)= 102  PVP (120)= 152  Vac (85)= 75
Status (ST) = 0
retracting piston... hit any key to stop
limit in
inflating - hit any key to stop
Vst= 76  Vinf= 68
FLASHER off
passed pre-launch tests - prepare sample tubes
USE MAGNET TO CONTINUE (2)
unplug comm cable now
continue after pause #2
CANCEL WITH MAGNET
FLASHER on
FLASHER off
in launch mode
FLASHER on
FLASHER off
in launch mode
FLASHER on
FLASHER off
in launch mode
FLASHER on
FLASHER off
in launch mode
* starting down ... valve open
monitoring pressure
min= 48 FLASHER on
FLASHER off
CT= 1
min= 49 FLASHER on
FLASHER off
CT= 2
USE MAGNET TO START MISSION
Sleeping .... 30 second check

NBST13

Initializing ... please stand-by
valve open
FLASHER on

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START

77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****

WHAT YOU WANT BOSS? 6
FLASHER off
V1= 104  V2= 155  Vac= 76  pres (cB)= 5  temp (mD)= 29536

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START

77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****

WHAT YOU WANT BOSS? 77
FLASHER off

NBST13
Initializing ... please stand-by
valve open

FLASHER on

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START

77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****
WHAT YOU WANT BOSS? 1
FLASHER off
SET TIME, MISSION LENGTH, AUTO-BALLAST, S_DET, PTT, MAIN MENU (1 2 3 4 5 6)
SELECT AN OPTION 1
Year (2 digit): 07
Month: 07
Day: 17
Hour: 21
Minute: 24
Second: 50

THE TIME IS 21:24:50 ON 07/17/07
SET TIME, MISSION LENGTH, AUTO-BALLAST, S_DET, PTT, MAIN MENU (1 2 3 4 5 6)
SELECT AN OPTION 77 6

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START
77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****

WHAT YOU WANT BOSS? 77
FLASHER off

NBST13
Initializing ... please stand-by
valve open

FLASHER on

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START

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77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****

WHAT YOU WANT BOSS? 1
FLASHER off
SET TIME, MISSION LENGTH, AUTO-BALLAST, S_DET, PTT, MAIN MENU (1 2 3 4 5 6)
SELECT AN OPTION 1
Year (2 digit): 07
Month: 07
Day: 17
Hour: 21
Minute: 25
Second: 45

THE TIME IS 21:25:45 ON 07/17/07
SET TIME, MISSION LENGTH, AUTO-BALLAST, S_DET, PTT, MAIN MENU (1 2 3 4 5 6)
SELECT AN OPTION 2
minutes set at = 00
Year (2 digit): 07
Month: 07
Day: 21
Hour: 02

THE NBST WILL SURFACE ON (M/D/Y @ Hr) 07/21/07 @ 0200
SET TIME, MISSION LENGTH, AUTO-BALLAST, S_DET, PTT, MAIN MENU (1 2 3 4 5 6)
SELECT AN OPTION 3
NEUTRALY BUOYANT DEPTH IN CBARS, ENTER 0 TO DISABLE 1500
NBST WILL SEEK A DEPTH EQUAL TO 1500 CB
SET TIME, MISSION LENGTH, AUTO-BALLAST, S_DET, PTT, MAIN MENU (1 2 3 4 5 6)
SELECT AN OPTION 4
SURFACE DETECTOR OFF, ON (1 2)
SELECT 1
SURFACE DETECTION OFF

SET TIME, MISSION LENGTH, AUTO-BALLAST, S_DET, PTT, MAIN MENU (1 2 3 4 5 6)
SELECT AN OPTION 6

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START

77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****

WHAT YOU WANT BOSS? 2
FLASHER off

Page 11
NBST13 Mission Parameters

THE TIME IS 21:26:31 ON 07/17/07
THE NBST WILL SURFACE ON (M/D/Y @ Hr) 07/21/07 @ 0200
NBST WILL SEEK A DEPTH EQUAL TO 1500 cB
SURFACE DETECTION OFF
Argos ID is A5272 00

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START
77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****

WHAT YOU WANT BOSS? 9
FLASHER off
STARTING MISSION ... I'LL BE BACK ... CUL !!
FLASHER on
MISSION STARTED AT
THE TIME IS 21:27:32 ON 07/17/07
NBST13 IN MISSION, SEE YOU LATER ...
THE NBST WILL SURFACE ON (M/D/Y @ Hr) 07/21/07 @ 0200
NBST WILL SEEK A DEPTH EQUAL TO 1500 cB
valve open
Prepare Instrument for Launch
hit any key to exit
swipe magnet to initiate pre-launch check
bladder inflates when complete
swipe magnet when ready to launch
extending release pin
end of travel ... locked
FLASHER off
USE MAGNET TO CONTINUE (1)
hit any key to exit
FLASHER on
continue after pause #1
checking vital signs at 21:28:27 ON 07/17/07
CPU (90)= 103  PVP (120)= 155  Vac (85)= 76
Status (ST) = 0
retracting piston... hit any key to stop
Limit in
inflating - hit any key to stop
Vst= 76  Vinf= 68
FLASHER off
passed pre-launch tests - prepare sample tubes
USE MAGNET TO CONTINUE (2)
unplug comm cable now
continue after pause #2
CANCEL WITH MAGNET
FLASHER on
FLASHER off
in launch mode
FLASHER on
FLASHER off
in launch mode
magnet detected
exit launch - status = 0
FLASHER off
FLASHER on
MISSION STARTED AT
THE TIME IS 22:27:39 ON 07/17/07
NBST13 IN MISSION, SEE YOU LATER...
THE NBST WILL SURFACE ON (M/D/Y @ Hr) 07/21/07 @ 0200
NBST WILL SEEK A DEPTH EQUAL TO 1500 cb
valve open
Prepare Instrument for Launch
hit any key to exit
swipe magnet to initiate pre-launch check
bladder inflates when complete
swipe magnet when ready to launch
extending release pin
end of travel ... locked
FLASHER off
USE MAGNET TO CONTINUE (1)
hit any key to exit
FLASHER on
continue after pause #1
checking vital signs at 22:28:16 ON 07/17/07
CPU (90) = 103 PVP (120) = 154 Vac (85) = 75
Status (ST) = 0
retracting piston... hit any key to stop
limit in
inflating - hit any key to stop
Vst= 75 Vinf= 67
FLASHER off
passed pre-launch tests - prepare sample tubes
USE MAGNET TO CONTINUE (2)
unplug comm cable now
continue after pause #2
CANCEL WITH MAGNET
FLASHER on
* FLASHER off
in launch mode
magnet detected
exit launch - status = 0
FLASHER off
FLASHER on
MISSION STARTED AT
THE TIME IS 22:31:15 ON 07/17/07
NBST13 IN MISSION, SEE YOU LATER...
THE NBST WILL SURFACE ON (M/D/Y @ Hr) 07/21/07 @ 0200
NBST WILL SEEK A DEPTH EQUAL TO 1500 cb
valve open
Prepare Instrument for Launch
hit any key to exit
swipe magnet to initiate pre-launch check
bladder inflates when complete
swipe magnet when ready to launch
extending release pin
end of travel ... locked
FLASHER off
USE MAGNET TO CONTINUE (1)
hit any key to exit
FLASHER on
continue after pause #1
checking vital signs at 22:31:56 ON 07/17/07
CPU (90)= 103  PVP (120)= 151  Vac (85)= 75
Status (ST) = 0
retracting piston... hit any key to stop
limit in
inflating - hit any key to stop
Vst= 75  Vinf= 67
FLASHER off
passed pre-launch tests - prepare sample tubes
USE MAGNET TO CONTINUE (2)
unplug comm cable now
continue after pause #2
CANCEL WITH MAGNET
FLASHER on
* FLASHER off
in launch mode
FLASHER on
FLASHER off
in launch mode
FLASHER on
FLASHER off
in launch mode
FLASHER on
FLASHER off
in launch mode
starting down ... valve open
monitoring pressure
min= 40 FLASHER on
FLASHER off
CT= 1
min= 41 FLASHER on
FLASHER off
CT= 2
min= 42 FLASHER on
FLASHER off
BAILOUT !!!!!!!!!!!  6
checking vital signs at 22:42:19 ON 07/17/07
Status (ST) = 0
exiting mission ... Q= 0
time to surface
retracting release pin
end of travel ... locked
retracting release pin
end of travel ... locked
retracting release pin
end of travel ... locked
extending piston... hit any key to stop
limit out
rising & checking
at surface
inflating - hit any key to stop
Vst= 74  Vinf= 66
in surface loop
surface at 22:59:11 ON 07/17/07
FLASHER on
GPS on
0 $PASHR,ACK*3D
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START
77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****

WHAT YOU WANT BOSS?
FLASHER off

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START

77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****

WHAT YOU WANT BOSS? 5 4
FLASHER off
RETRACT PIN, EXTEND PIN, MENU (1 2 3)
SELECT 2
extending release pin
end of travel ... locked
RETRACT PIN, EXTEND PIN, MENU (1 2 3)
SELECT 3

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START

77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****
WHAT YOU WANT BOSS? 5
FLASHER off
BRAKE, PUMP, AIR VALVE, MENU (1 2 3 4)
SELECT 2
retract piston, extend piston, MENU (1 2 3)
Select 1
retracting piston... hit any key to stop
limit in
retract piston, extend piston, MENU (1 2 3)
Select 2
extending piston... hit any key to stop
limit out
retract piston, extend piston, MENU (1 2 3)
Select 3
BRAKE, PUMP, AIR VALVE, MENU (1 2 3 4)
SELECT 4

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START

77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****

WHAT YOU WANT BOSS? 6
FLASHER off
V1= 103  V2= 149  Vac= 75  pres (cB)= 6  temp (mD)= 24090

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START

77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****
WHAT YOU WANT BOSS? 10
FLASHER off
valve open
Sleeping .... 30 second check  USE MAGNET TO START MISSION
Sleeping .... 30 second check  USE MAGNET TO START MISSION
Sleeping .... 30 second check
NBST13
Initializing ... please stand-by
valve open
FLASHER on

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START
77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****

WHAT YOU WANT BOSS? 6
FLASHER off
V1= 103  V2= 155  Vac= 74  pres (cB)= 7   temp (mD)= 22724

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START
77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****

WHAT YOU WANT BOSS? 77
FLASHER off
NBST13

Initializing ... please stand-by
valve open

FLASHER on

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START
77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****

WHAT YOU WANT BOSS? 1
FLASHER off
SET TIME, MISSION LENGTH, AUTO-BALLAST, S_DET, PTT, MAIN MENU (1 2 3 4 5 6)
SELECT AN OPTION 1
Year (2 digit):  07
Month:  07
Day:    18
Hour:   09
Minute: 05
Second: 38

THE TIME IS  09:05:38 ON 07/18/07
SET TIME, MISSION LENGTH, AUTO-BALLAST, S_DET, PTT, MAIN MENU (1 2 3 4 5 6)
SELECT AN OPTION 2
minutes set at = 00
Year (2 digit):  07
Month:  07
Day:    20
Hour:   15

THE NBST WILL SURFACE ON (M/D/Y @ Hr) 07/20/07 @ 1500
SET TIME, MISSION LENGTH, AUTO-BALLAST, S_DET, PTT, MAIN MENU (1 2 3 4 5 6)
SELECT AN OPTION 3
NEUTRALLY BUOYANT DEPTH IN CBARS, ENTER 0 TO DISABLE   1500
NBST WILL SEEK A DEPTH EQUAL TO 1500 CB
SET TIME, MISSION LENGTH, AUTO-BALLAST, S_DET, PTT, MAIN MENU (1 2 3 4 5 6)
SELECT AN OPTION 4
SURFACE DETECTOR OFF, ON (1 2)
SELECT 1
SURFACE DETECTION OFF

SET TIME, MISSION LENGTH, AUTO-BALLAST, S_DET, PTT, MAIN MENU (1 2 3 4 5 6)
SELECT AN OPTION 6
SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
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6. HARDWARE CHECK
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8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START
77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****

WHAT YOU WANT BOSS? 2
FLASHER off

NBST13 Mission Parameters

THE TIME IS  09:06:28  ON   07/18/07
THE NBST WILL SURFACE ON (M/D/Y @ Hr) 07/20/07 @ 1500
NBST WILL SEEK A DEPTH EQUAL TO 1500 CB
SURFACE DETECTION OFF
Argos ID is A5272 00

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START
77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****

WHAT YOU WANT BOSS? 9
FLASHER off
STARTING MISSION ... I'LL BE BACK ... CUL !!
FLASHER on
MISSION STARTED AT
THE TIME IS  09:07:14  ON   07/18/07
NBST13 IN MISSION, SEE YOU LATER ... THE NBST WILL SURFACE ON (M/D/Y @ Hr) 07/20/07 @ 1500
NBST WILL SEEK A DEPTH EQUAL TO 1500 CB
valve open
Prepare Instrument for Launch
hit any key to exit
swipe magnet to initiate pre-launch check
bladder inflates when complete
swipe magnet when ready to launch
extending release pin
end of travel ... locked
FLASHER off
USE MAGNET TO CONTINUE (1)
hit any key to exit
FLASHER on
continue after pause #1
checking vital signs at 09:07:57 ON 07/18/07
CPU (90)= 102   PVP (120)= 155   Vac (85)= 74
Status (ST) = 0
retracting piston... hit any key to stop
limit in
inflating - hit any key to stop
Vst= 75   Vinf= 67
FLASHER off
passed pre-launch tests - prepare sample tubes
USE MAGNET TO CONTINUE (2)
unplug comm cable now
use magnet to exit
FLASHER off
min= 44    use magnet to exit
HELLO - GOOD TO SEE YOU
FLASHER off
HIT ANY KEY 5 TIMES TO CONTINUE
DATA FROM NBST13
DATA IN 10 SECONDS
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2: 103   155   74   1431   18605   0   1431   9   1
4

END OF FILE

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START
77. RESET INIT.

****   USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION   ****

WHAT YOU WANT BOSS? 4
FLASHER off
RETRACT PIN, EXTEND PIN, MENU (1 2 3)
SELECT 2
extending release pin
end of travel ... locked
RETRACT PIN, EXTEND PIN, MENU (1 2 3)
SELECT 2
extending release pin
end of travel ... locked
RETRACT PIN, EXTEND PIN, MENU (1 2 3)
SELECT 2
extending release pin
end of travel ... locked
RETRACT PIN, EXTEND PIN, MENU (1 2 3)
SELECT 1
retracting release pin
end of travel ... locked

Page 25
RETRACT PIN, EXTEND PIN, MENU (1 2 3)
SELECT 4
RETRACT PIN, EXTEND PIN, MENU (1 2 3)
SELECT 3

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START
77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****

WHAT YOU WANT BOSS? 5
FLASHER off
BRAKE, PUMP, AIR VALVE, MENU (1 2 3 4)
SELECT 2
retract piston, extend piston, MENU (1 2 3)
Select 1
retracting piston... hit any key to stop
limit in
retract piston, extend piston, MENU (1 2 3)
Select 2
extending piston... hit any key to stop
limit out
retract piston, extend piston, MENU (1 2 3)
Select 3
BRAKE, PUMP, AIR VALVE, MENU (1 2 3 4)
SELECT 4

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START
77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****
WHAT YOU WANT BOSS? 77
FLASHER off

NBST13

Initializing ... please stand-by
valve open

FLASHER on

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START

77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****

WHAT YOU WANT BOSS?
FLASHER off

SELECT YOUR OPTION
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START

77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****

WHAT YOU WANT BOSS? 6
FLASHER off
V1 = 102  V2 = 151  Vac = 74  pres (cB) = 7  temp (mD) = 24204

SELECT YOUR OPTION

Page 27
1. SET NBST PARAMETERS
2. DISPLAY MISSION PARAMETERS
3. RECOVERY AIDS
4. RELEASE TEST
5. PUMP AND VALVES
6. HARDWARE CHECK
7. PRINT DATA
8. SET PISTON (BALLAST)
9. START MISSION
10. GOTO SLEEP
11. CAL. & TEST
12. SET PISTON (ADJUST)
20. DELAYED START

77. RESET INIT.

**** USE ALT-B TO REBOOT FROM EPROM PRIOR TO MISSION ****

WHAT YOU WANT BOSS? 10
FLASHER off
valve open
Sleeping .... 30 second check