

CORE TUBE SAMPLES (2) ASSEMBLE TUBE SAMPLE SITE & CNOMON [11, 5, 1] DN DRIVE TUBE TUBE & GNOMON [11, 5, 1] DN STOW TUBE IN HIC

TRENCH SAMPLING (ENVIRO/CORE TUBE) PHOTO SITE [1, 5, 2] STEREO DN HOLD LARGE CAN FOR SUBSURFACE SOIL PHOTO TRENCH [11, 5, 2] STEREO DN RETRIEVE HAMMER DRIVE TUBE PHOTO TUBE [11, 5, 1]

GAS ANALYSIS SAMPLE (SMALL CAN/ROCK) SAMPLE SITE & GNOMON [11, 5, 1] INSERT SURFACE ROCK FRAGMENT SAMPLE SITE & GNOMON [1, 5, 1]

## TRAVERSE REQUIREMENTS

DOCUMENTED SAMPLE ENCLUDES:

- FAR FROM LM
- SOIL NEAR AND FAR
- SOIL UNDER AND NEXT TO A ROCK
- O CORE TUBES (2)
- ENVIRON. SAMPLE (LARGE CAN/SOIL)
- · GAS SAMPLE (SMALL CAN/ROCK)
- TRENCH SAMPLES LENVIRO/CORE TUBEL

IRVEYOR

O TYPES OF MATERIALS FINE GRAIN IGNEOUS ROCKS COARSE GRAIN IGNEOUS ROCKS BRECCIAS FINE MATERIAL GLASS "SPLASH"

## EMU

## BONUS COMMENTS

SURFACE IRREGULARITIES (RILLS, CRACKS, EMBANKMENTS, CRATERS)

BOOT/SURFACE INTERACTIONS,
ADHESION & SCUFF RESISTANCE

DYNAMICS OF LOOSE MATERIAL

USE OF GLASS/BRUSH

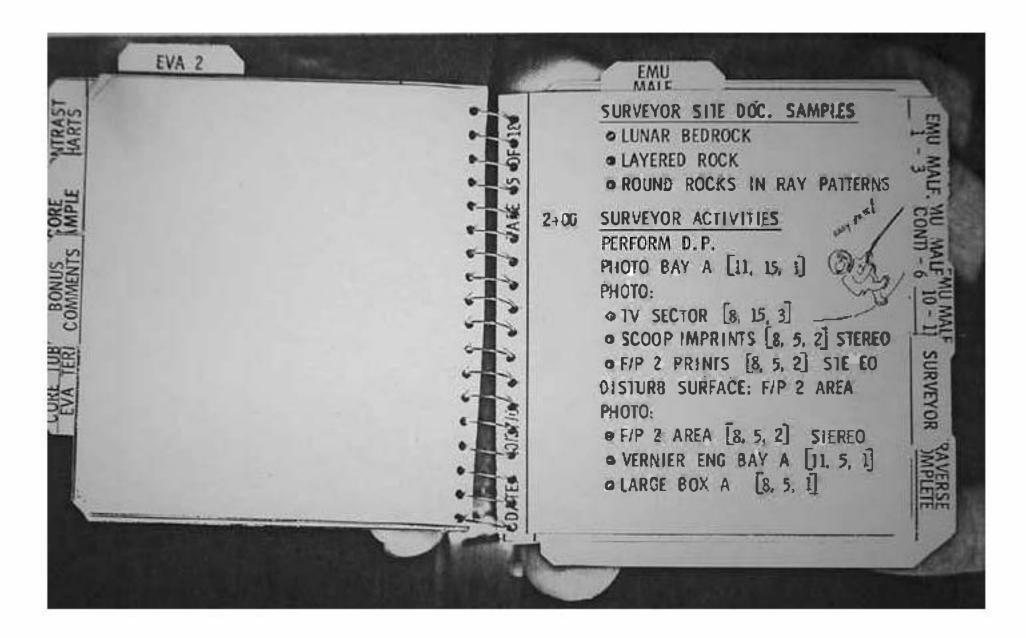
COLOR/ALBEANO VARIATIONS OF DISTURBED & UNDISTURBED

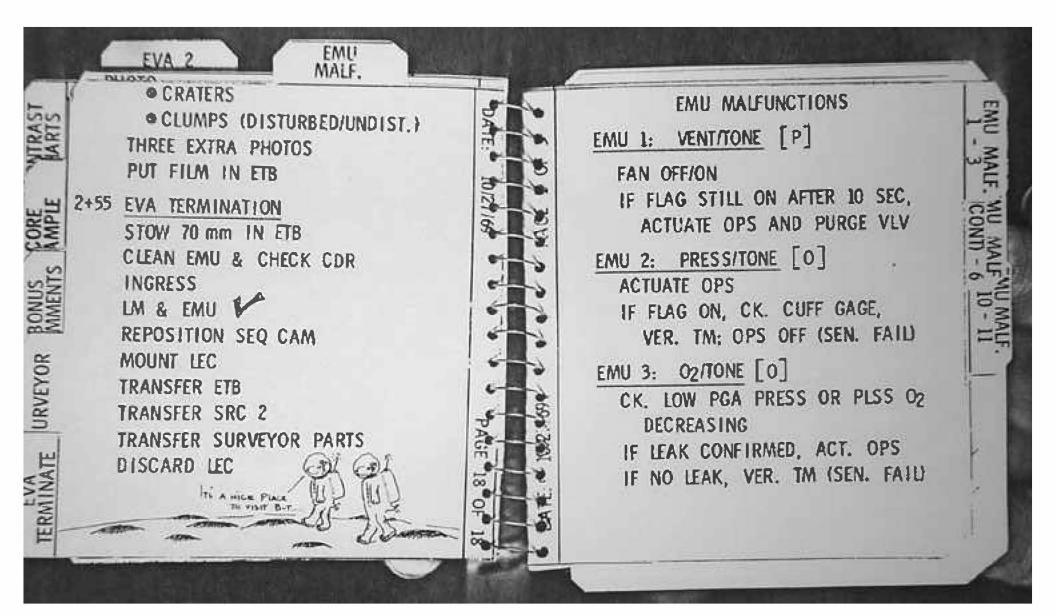




SURVEY - HER ACTIVITY

SURVEYOR





VERIFY FEEDWATER OPEN

IF CLOSED: DIV VLV MIN COOL,

FEEDWATER OPEN, WAIT 4 MIN.

IF ADD'L COOL REQ'D, ACTUATE

OPS AND PURGE VLV

EMU 5: TONE/NO FLAGS

CUFF GAGE: IF < 3.4, ACTUATE OPS

IF CUFF GAGE >3.4 & TONE OFF:

CYCLE MODE SW MOMENTARILY 
NO TONE, NO FAILURE.

IF TONE ON AGAIN:

FAN OFF 5 SEC. VENT FLAG [P]
SHOULD COME ON; FAN ON. IF
NO FLAG, ACTUATE OPS AND PURGE
VLV (FLAG FAIL)

EMU 5: (CONT)

OBSERVE PLSS O2: IF DECREASING, ACTUATE OPS.

IS FEZDWATER CLOSED: IF CLSD,
DIV VLV MIN COOL, FEEDWATER
OPEN. AFTER 4 MIN, IF COOL
INADEQUATE, ACTUATE OPS AND
PURGE VLV.

ACTUATE OPS: CUFF GAGE SHOULD

RISE (EMU LEAK OR REG. SHIFT)

IF NO GAGE RESPONSE, VERIFY TM
OPS OFF (GAGE FAIL)

EVA 2

EMU 7: PLSS 02 QUANTITY ABNORMAL

CK CUFF GAGE, PRESS FLAG [O] &

O2 FLAG [O]

IF LEAK CONFIRMED, ACTUATE OPS

IF NOT, VERIFY TM (GAGE FAIL)

EMU 8: CUFF GAGE >4.0

IF O2 FLAG [O], ACTUATE OPS AND
PLSS O2 OFF (PLSS REG FAIL)

IF NOT, VERIFY TM (POSS, GAGE FAIL)

IF NO SIDETONE, ACTUATE OPS AND PURGE VLV (POWER FAIL)

IF SIDETONE OK:
CHECK PUMP ON.
VERIFY TM FOR PUMP CONDITION.
IF ADDITIONAL COOLING REQUIRED,
ACTUATE OPS AND PURGE VLV.

URVEYOR

VERIFY DIV VLV MAX

ACTUATE GAS TRAP FOR 5 SEC.,

IF FEASIBLE

AFTER 3 MIN., IF ADDITIONAL

COOLING REQUIRED, ACTUATE OPS

AND PURGE VLV

CHECK VOL CONTROLS (WHEEL A,
FLADE B)
CYCLE PIT SW - MAIN & MOM
CDR MODE SW TO B, LMP TO A
(HAND SIGNALS)
IF NO COMM, CDR TO A, LMP TO B