

CREW EVA CHECKLIST

VOICE DATA

STAT #8

5+25 GEOLOGY STATION #8 (0:45)
(Vicinity of Arbett)
H = 180'

CDR-15
EVA 2
7/6/71

- Comprehensive sample
- Double core sample
- Pan
- Soil mech trench
 - SESC #1
 - Samples
- Penetrometer Tests
 - Soil mech trench
 - Core tube site
 - LRV track

STAT #8

5+25 Geology Station #8 (0:45)
(Vicinity of Arbett)
H = 180'

LMP-15
EVA 2
7/6/71

- Comprehensive sample
- Double core sample
- Pan
- Soil mech trench
 - SESC #1
 - Samples
- Penetrometer Tests
 - Soil mech trench
 - Core tube site
 - LRV track

CDR-16

5+25 STATION #8

STDP
LCRU sel - FM/TV

16mm Cam - fresh mag
(#8:1/250,12 FPS)

Comprehensive Sample

- LMP 70mm cam - to LRV
- Rake
- 1 bag rocks
- 1 bag soil

5+35 Double Core Tube Sample

- X-Sun photos only
- 16mm Cam - fresh mag
(#8:1/250,12 FPS)

EVA 2
7/6/71
8# IVALS

LMP-16

5+25 STATION #8

LRV system - readout
Dismount LRV
Rake - install on ext. handle
[CDR: Change 16mm mag]
[CDR: Place gnomon]

Comprehensive Sample

- LMP 70mm cam - to LRV
- Rake
- 1 bag rocks
- 1 bag soil

5+35 Double Core Tube Sample

- [CDR: Photo]
- [CDR: Place gnomon for trch]

EVA 2
7/6/71
8# STAT

5+J0



- (1) CDR - Mark arrival time (5+27)
- (1) LMP - Readout LRV displays

HEADING	Temp Bat 1
BEARING	Temp Bat 2
DISTANCE	Temp LF mtr
RANGE	Temp RF mtr
Amp-Hr Bat 1	Temp LR mtr
Amp-HR Bat 2	Temp RR mtr

5+30

STAT #8	5+42 <u>Soil Mechanics Trench</u>	EVA 2	CDR-17
	<ul style="list-style-type: none"> •Photo: X-SUN; Dn-Sun •Pan (70mm can) (CDR) •Collect samples (CDR) (no gnomon) 		
	<u>Photo trench</u>		
	<ul style="list-style-type: none"> •Vert. wall (X-Sun, 7ft, stereo) •Long axis (Dn-Sun, 7ft, stereo) 		
	5+48 <u>Sample trench</u>		
	<ul style="list-style-type: none"> •SESC 75% full - to CDR C-Bag •1/2 bag: bottom, top, side 		
	[IMP: Clean trench bottom]		
	5+53 Install penetro <u>0.5 cone</u>	7/6/71	

5+30

(1) CDR/LMP-EMU check

	CDR	LMP
02		
FLAGS		
PRESS		
COOL		

STAT #8	5+42 <u>Soil Mechanics Trench</u>	EVA 2	LMP-17
	[CDR: Photo]		
	5+48 <u>Sample trench</u>		
	<ul style="list-style-type: none"> •SESC 75% full - to CDR C-Bag •1/2 bag: bottom, top, side 		
	5+53 Clean trench bottom		
	[CDR: Install penetro cone]		
	Penetro - install on ext. hole	7/6/71	

STAT #8	5+55 Penetrometer tests	EVA 2	CDR-18
	<ul style="list-style-type: none"> #1- Adj. trench •Photo in surf (X-Sun, 7') 		
	<ul style="list-style-type: none"> #2- Trench bottom •Photo in surf (X-Sun, 7') 		
	<ul style="list-style-type: none"> #3- LRV track •Photo in surf (X-Sun, 7') 		
	<ul style="list-style-type: none"> #4- Adjacent to LRV track •Photo in surf (X-Sun, 7') 		
	Install penetro <u>plate</u> (CDR)		
	<ul style="list-style-type: none"> #5- Core tube site •Photo imprint (X-Sun, 7' Stereo) 		
	<ul style="list-style-type: none"> #6- Trench bottom •Photo imprint (X-Sun, 7' Stereo) 	7/6/71	

At 6+00

(1) CDR/LMP-EMU check

	CDR	LMP
02		
FLAGS		
PRESS		
COOL		

STAT #8	5+55 Penetrometer tests	EVA 2	LMP-18
	<ul style="list-style-type: none"> #1- Adj. trench [CDR: Photo] 		
	<ul style="list-style-type: none"> #2- Trench bottom [CDR: Photo] 		
	<ul style="list-style-type: none"> #3- LRV track [CDR: Photo] 		
	<ul style="list-style-type: none"> #4- Adjacent to LRV track [CDR: Photo] [CDR: Install penetro plate] 		
	<ul style="list-style-type: none"> #5- Core tube site [CDR: Photo] 		
	<ul style="list-style-type: none"> #6- Trench bottom [CDR: Photo] 	7/6/71	

6+10

LMP ACTIVITIES	EVA TIME	CDR ACTIVITIES	TASK FUNCTION	
			LMP	CDR
	5+30		STATION #8 GEOLOGY	STATION #8 GEOLOGY
<p>Sampling area #8 should be located in the smoother Mare material but near a substantial crater.</p> <p>↓</p> <p><u>Area #8 tasks</u> (in order of priority)</p> <ol style="list-style-type: none"> 1. Comprehensive sample area 2. Double core tube 3. Documented samples of the large crater look for filleted rock samples and equidimensional rock samples (large & small) 4. 70mm panorama 5. Soil mechanic trench Dry trench SESC #1 Possible buried rock 6. Penetrometer 				
	6+00			
Check tools secure & HTC closed	6+10	Stow gnomon on seatback		

6+10

STAT #8	#7- Collapse trench side •Photo mtrl. or imprint (X-Sun, 7', stereo)	CDR-19
	6+08 [LMP: Remove ext. handle] Stow penetro, cone on LRV [LMP: Change 16mm Mag] [LMP: Mount LRV]	EVA 2
	HGA - stow LCRU - PM1/WB [START]	7/6/71
	6+10 Return to LM •Ray/Secondaries •Lineaments/Fillets/Mounds •Block Distribution	

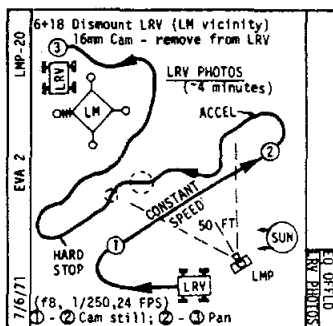
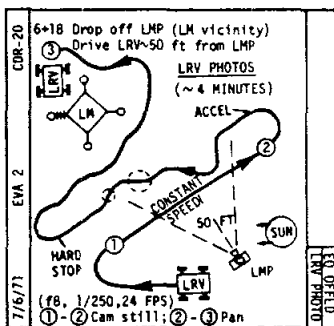
STAT #8	#7- Collapse trench side (1/3 depth from edge) [CDR: Photo]	LMP-19
	6+08 Penetro - remove ext. handle [CDR: Stow Penetro] 16mm cam - change mag Mount LRV	EVA 2
	6+10 Return to LM •Ray/Secondaries •Lineaments/Fillets/Mounds •Block Distribution	7/6/71

- (1) CDR - Stow gnomon
- Mark depart time _____ (6+12)
- (1) LMP - Readout LRV displays

HEADING	Temp Bat 1	
BEARING	Temp Bat 2	
DISTANCE	Temp LF mtr	
RANGE	Temp RF mtr	
Amp-Hr Bat 1	Temp LR mtr	
Amp-HR Bat 2	Temp RR mtr	

- (1) CDR - Mark arrival time _____ (6+20)
- (1) LMP - Readout LRV displays

HEADING	Temp Bat 1	
BEARING	Temp Bat 2	
DISTANCE	Temp LF mtr	
RANGE	Temp RF mtr	
Amp-Hr Bat 1	Temp LR mtr	
Amp-HR Bat 2	Temp RR mtr	



- (2) CDR-Rpt tools off LMP PLSS & stowed
 - Hammer
 - Core tube tool
 - Core tube cap disp
 - SCB #2

6+30

MISSION: Apollo 15, J-1
 EVA: 2

DATE: 6/2/71

LMP ACTIVITIES	EVA TIME	CDR ACTIVITIES	TASK FUNCTION	
			LM	CDR
Mount LRV Readout LRV displays Traverse to LM (08 min)	6+10	Stow HGA LCRU Sel SW - PM1/WB Mount LRV Power up LRV Traverse to LM (08 min)	TRAV TO LM	TRAV TO LM
<p>The traverse to the LM should cover a smooth Mare surface which could be compared with terrain previously traversed. If possible, observe and describe ray materials.</p>				
Arrive at LM Readout NAV & LRV displays Power down LRV C/Bs Dismount LRV Photo LRV; X-Sun (2), Dn-Sun (1) Stow 70mm cam/bags on LMP seat Assist CDR Remove SCB #5 from CDR PLSS tool harness; tidy velcro covers Place SCB #5 in SRC #2	6+20	Arrive at LM Park LRV at MESA; point North, X-Sun in sun Power down LRV switches Dismount LRV Align HGA toward Earth Switch LCRU - TV RMT Open LRV batt dust covers Stow 70mm cam/bags on CDR seat Remove from LMP PLSS tool harness <ul style="list-style-type: none"> • Core tube cap disp. - discard • Hammer - stow on HTC • SCB #2 - stow on HTC Tidy harness velcro covers Assist LMP Stow tongs on HTC Carry ETB to LRV CDR footpad	EVA CLOSEOUT	EVA CLOSEOUT
	6+30			