

APOLLO 13
TWO WEEK ACTIVITY REPORT DISTRIBUTION

Jim Lovell	CB
Ken Mattingly	CB
Fred Haise	CB
John Young	CB
Jack Swigert	CB
Charlie Duke	CB
D. Slayton	CA
T. Stafford	CB
J. Bilodeau	CF2
C. Woodling	CF3
W. North	CF
H. Kuehnel	CF32
J. Van Bockel	CF32
M. Brzezinski <i>L. Reeder</i>	
(Tng. Coordinator) 2 cpys.	CF32

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APOLLO 13 CREW TRAINING SUMMARY

As of Aug. 15, 1969

VERIFIED:

M. S. Brzezinski
M. S. Brzezinski

ASTRONAUTS

LOVELL

MATTINGLY

HAISE

YOUNG

SWIGERT

DUKE

PLANNED
HOURS

CSM SYS BRIEF

DOCKING	2
ECS	2
EPS	2
G&C	6
Prop & RCS	2
SECS	2
COMM	1
Crew SYS	2

CM SIMULATORS

CMS	100		25 + 45			87 + 55
CMPS	15		17 + 00			22 + 45
CPS	6	3 + 20	4 + 35	2 + 00		8 + 30
Centrifuge	-					54 + 55
IM Brief	10					
G&CD (CM)						

CSM TESTS (KS)

ALT Chbr	16
Docking	4
Flt Readiness	8
Countdown Demo	8
CCFF	4

LM SYS BRIEF

COMM	2	3 + 00
CES	5	6 + 30
ECS	2	6 + 00
EPS	2	4 + 45
Instrumentation	2	
Radar	5	2 + 00
Prop & RCS	2	4 + 00
AGS	6	3 + 00

LM SIMULATORS

LMS	130	73 + 00	13 + 00
LMPS	15	14 + 00	
MIT Hybrid	-		
TDS	3		
FMES	-	6 + 30	
im Brief	10		

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APOLLO 13 CREW TRAINING SUMMARY

As of Aug. 15, 1969

ASTRO	PLANNED HOURS	LOVELL	MATT	HAISE	YOUNG	SWIGERT	DUKE
LM TESTS							
ALT Chbr	16						
Flt Readiness	8						
CCFF	4						
Alsep CFF	4						
LV Brief	4						
G&N Programs	20						
Photography	8						
EMU Brief	-						
Lunar Topography							
Reviews	30						
PROCEDURES							
Checklist	25						
Mission Techniques	40						
Mission Rules	10						
Flight Plan	25						
ZERO G (EVA)							
Walkthroughs	6						
WIF/Zero A/C	3						
EMU C/O (OFF NOMINAL)	10						
Egress Training	8						
S/C Fire	6						
Bench Checks	8						
Stowage	20						
Planetarium	-						
LLTV C/O (LLRF)	-						
Medical	-						
LUNAR SURFACE							
Briefings	65						
Field Trips	75						
Simulations	107						

CMS From 1 APR thru 11 JUL

120 + 35

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APOLLO 13 CREW TRAINING SUMMARY

AUGUST 15, 1969

DAY & DATE

ACTIVITY

Friday
August 1

Training meeting - Lovell, Mattingly,
Haise, Swigert

LMS #2 - Young
CMS #1 - Swigert

Monday
August 4

CMS #1 - Mattingly
LMS #1 - Young
CMS #3 - Swigert
Haise & Duke on leave this week
Lovell in Washington, D. C.

Tuesday
August 5

Lovell in Washington, D. C. - morning
Training meeting, afternoon - Lovell
CMS #1 - Mattingly
LMS #1 - Young
CMS #3 - Swigert

Wednesday
August 6

CMS #1 - Mattingly
CMS #3 - Swigert
Suit Fit @ ILC - Young

Thursday
August 7

LMS #1 - Young
CMS #1 - Mattingly
CMS #3 - Swigert

Friday
August 8

Suit Fit at MSC - Mattingly
CMS #1 - Mattingly
LMS #1 - Young
CMS #3 - Swigert

Monday
August 11

Leave this week - Lovell, Mattingly
LMS #2 - Young
CMS #3 - Swigert
LMS #2 - Duke
Suit Fit at MSC - Duke

Tuesday
August 12

LMS #2 - Young
LMS #2 - Duke
CMS #3 - Swigert

Wednesday
August 13

Party for Apollo 11 in Los Angeles - All
LMS #2 - Duke

Thursday
August 14

Griffith Planetarium - Mattingly, Haise

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APOLLO 13 CREW TRAINING SUMMARY (Cont.)

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Friday
August 15

Lunar surface drill - Haise
LMS #2 - Young

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APOLLO 13 CREW TRAINING SUMMARY

As of Sept. 1, 1969

VERIFIED:

Lloyd Reeder
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ASTRONAUTS	LOVELL	MATTINGLY	HAISE	YOUNG	SWIGERT	DUKE
PLANNED HOURS						
CSM SYS BRIEF						
DOCKING	2					
ECS	2					3 + 15
EPS	2					
G&C	6	2 + 30				
Prop & RCS	2					
SECS	2					
COMM	1		1 + 00			
Crew SYS	2					
CM SIMULATORS						
CMS	100		40 + 30	3 + 10	9 + 55	111 + 20
CMPS	15		19 + 00			22 + 45
DPS	6	3 + 20	7 + 45	5 + 10		8 + 30
ME	-					54 + 55
Centrifuge	-					
SIM Brief	10					
G&CD (CM)						
CSM TESTS (KS)						
ALT Chbr	16	6 + 00	6 + 00	6 + 00	6 + 00	6 + 00
Docking	4					
Flt Readiness	8					
Countdown Demo	8					
CCFF	4	+ 00	3 + 00	3 + 00	3 + 00	3 + 00
LM SYS BRIEF						
COMM	2	2 + 00		2 + 00	3 + 00	3 + 00
CES	5			6 + 30		
ECS	2	1 + 20		1 + 15	8 + 30	2 + 30
EPS	2				4 + 45	
Instrumentation	2					
Radar	5				2 + 00	
Prop & RCS	2				4 + 00	
AGS	6				3 + 00	
LM SIMULATORS						
LMS	130	1 + 40		1 + 40	80 + 35	20 + 35
LMPS	15				14 + 00	
MIT Hybrid	-					
TDS	3					
FMES	-			6 + 30		
Sim Brief	10					

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APOLLO 13 CREW TRAINING SUMMARY
As of Sept. 1, 1969

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-2-

ASTRONAUTS		LOVELL	MATTINGLY	HAISE	YOUNG	SWIGERT	DUKE
	PLANNED HOURS						
LM TESTS							
ALT Chbr	16						
Flt Readiness	8						
CCFF	4						
Alsep CFF	4						
LV Brief	4						
G&N Programs	20						
Photography	8						
EMU Brief	-				2 + 00		2 + 00
Lunar Topography							
Reviews	30						
PROCEDURES							
Checklist	25						
Mission Techniques	40		4 + 00	6 + 00	6 + 00	4 + 00	4 + 00
Mission Rules	10						
Flight Plan	25						
ZERO G (EVA)							
Walkthroughs	6						
WIF/Zero A/C	3						
EMU C/O (OFF NOMINAL)	10						
Egress Training	8		2 + 00				2 + 00
S/C Fire	6						
Bench Checks	8		4 + 00	3 + 30		4 + 30	
Stowage	20						
Planetarium	-						
LLTV C/O (LLRF)	-						
Medical	-						
LUNAR SURFACE							
Briefings	65			2 + 00	4 + 00		
Field Trips	75						
Simulations	107						
CMS From 1 APR thru 11 JUL			120 + 35				

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APOLLO 13 CREW TRAINING SUMMARY

AS OF SEPT. 1, 1969

DAY & DATE

ACTIVITY

Monday
August 18

Suit Fit @ ILC - Mattingly, Duke
Geology Briefing - Young, Haise
CMS #2 - Swigert, Lovell, (leave this week)

Tuesday
August 19

CMS #2 - Mattingly, Haise, Swigert
CM Bench Check - Mattingly, Haise, Duke
ECS Briefing - Duke
Math Flow Briefing - Young

Wednesday
August 20

CMS #2 - Mattingly, Young, Swigert, Duke
LM ECS Briefing - Duke,
Suit Fit - Haise

Thursday
August 21

CMS #2 - Young, Swigert, Duke
DCPS - Mattingly, Haise
CMPS - Mattingly

Friday
August 22

Tindall Mtg. - Haise, Young, Duke, Swigert,
Mattingly
CM RID Mtg. - Mattingly, Swigert

Saturday
August 23

CM M/U - Duke

Monday
August 25

CMS #1 - Mattingly, Haise, Young, Swigert,
Duke
SCS Briefing - Lovell
LM EPS Briefing - Duke

Tuesday
August 26

LMS #1 - Lovell, Haise
CMS #2 - Mattingly
CM Egress Trng - Mattingly, Duke
LM Comm Briefing - Duke
Geology - Young

Wednesday
August 27

CM CCFF - All
PLSS Briefing - Young, Duke
CMS #2 - Swigert, Mattingly

Thursday
August 28

Sea Level Chamber Run (CM) - Lovell,
Mattingly, Haise
LMS #1 - Young, Duke
CMS #2 - Swigert

Friday
August 29

LMS #1 - Lovell, Haise
LM Comm Briefing - Lovell, Haise
CMS #1 - Mattingly
Rdz, Briefing - Mattingly
Sea Level Chamber Run (CM) - Young, Swigert,
Duke,

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APOLLO 13 CREW TRAINING SUMMARY

As of Sept. 15, 1969

VERIFIED:

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ASTRONAUTS

LOVELL

MATTINGLY

HAISE

YOUNG

SWIGERT

DUKE

PLANNED
HOURS

CSM SYS BRIEF

DOCKING

2

ECS

2

2 + 00

3 + 15

EPS

2

G&C

6

2 + 30

Prop & RCS

2

SECS

2

2 + 00

COMM

1

1 + 00

Crew SYS

2

CM SIMULATORS

CMS

100

8 + 15

70 + 10

13 + 15

12 + 50

133 + 05

16 + 10

CMPS

15

23 + 20

22 + 45

DCPS

6

3 + 20

10 + 25

5 + 10

8 + 30

ME

-

54 + 55

Centrifuge

-

SIM Brief

10

1 + 00

1 + 00

G&CD (CM)

CSM TESTS (KS)

ALT Chbr

16

14 + 00

14 + 00

14 + 00

6 + 00

6 + 00

6 + 00

Docking

4

Flt Readiness

8

Countdown Demo

8

CCFF

4

+ 00

3 + 00

3 + 00

3 + 00

3 + 00

3 + 00

LM SYS BRIEF

COMM

2

2 + 00

2 + 00

3 + 00

3 + 00

CES

5

6 + 30

ECS

2

1 + 20

1 + 15

8 + 30

2 + 30

EPS

2

1 + 30

1 + 30

4 + 45

Instrumentation

2

Radar

5

2 + 00

Prop & RCS

2

2 + 00

2 + 00

6 + 00

2 + 00

AGS

6

3 + 00

LM SIMULATORS

LMS

130

18 + 05

19 + 05

108 + 35

47 + 35

LMPS

15

14 + 00

MIT Hybrid

-

TDS

3

FMES

-

6 + 30

Sim Brief

10

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APOLLO 13 CREW TRAINING SUMMARY As of Sept. 15, 1969

ASTRONAUTS		LOVELL	MATTINGLY	HAISE	YOUNG	SWIGERT	DUKE
	PLANNED HOURS						
LM TESTS							
ALT Chbr	16	6 + 00		6 + 00	6 + 00		6 + 00
Flt Readiness	8						
CCFF	4	3 + 00		3 + 00	3 + 00		3 + 00
Alsep CFF	4						
LV Brief	4						
G&N Programs	20	2 + 00	7 + 00	2 + 00	3 + 00	5 + 00	3 + 00
Photography	8		3 + 00				
EMU Brief	-				2 + 00		2 + 00
Lunar Topography							
Reviews	30	2 + 00	2 + 00	2 + 00			
PROCEDURES							
Checklist	25						
Mission Techniques	40	2 + 00	4 + 00	8 + 00	6 + 00	4 + 00	4 + 00
Mission Rules	10						
Flight Plan	25	3 + 00	3 + 00	3 + 00	3 + 00		
ZERO G (EVA)							
Walkthroughs	6						
WIF/Zero A/C	3						
EMU C/O (OFF NOMINAL)	10						
Egress Training	8		2 + 00				2 + 00
S/C Fire	6						
Bench Checks	8		4 + 00	3 + 30		4 + 30	
Stowage	20						
Planetarium	-						
LLTV C/O (LLRF)	-						
Medical	-						
LUNAR SURFACE							
Briefings	65	4 + 00	4 + 00	6 + 00	4 + 00		
Field Trips	75						
Simulations	107						

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APOLLO 13 CREW TRAINING SUMMARY

AS OF SEPTEMBER 15, 1969

<u>DAY & DATE</u>	<u>ACTIVITY</u>
Tuesday September 2	CMS #1 - Duke, Mattingly LMS #1 - Lovell, Haise, Young Photo Brief - Mattingly Leave - All week - Swigert
Wednesday September 3	CMS #1 - Prime crew and Duke CMPS - Mattingly Geology - Young LMS #1 - Lovell, Haise, Young, Duke
Thursday September 4	CMS #1 - Mattingly, Duke LMS #1 - Lovell, Haise, Young, Duke
Friday September 5	CMS #1 - Mattingly DCPS - Mattingly LM CCFF - Lovell, Haise, Young, Duke
Monday September 8	LM Sea Level Altitude Chbr - Lovell, Haise LMS #1 - Young, Duke CMS #2 - Mattingly, Swigert MIT Brief - Mattingly, Swigert
Tuesday September 9	LM Sea Level Altitude Chamber - Young, Duke CMS #2 - Prime Crew - Swigert LM RCS Brief - Lovell, Haise MIT Brief - Mattingly
Wednesday September 10	CM Altitude Chamber - Prime crew CMS #2 - Young, Swigert Luminary Brief - Young, Duke LMS #2 - Young, Duke
Thursday September 11	CMS #2 - Mattingly, Swigert MIT Brief - Mattingly LMS #2 - Young, Duke LMS #1 - Lovell, Haise Tindall Mtg - Lovell, Haise
Friday September 12	CMS #1 - Mattingly LMS #1 - Lovell, Haise Young, Duke Geology - Young Lunar Map Review - Mattingly

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Monday
September 15

Lovell	0900 1300	ALSEP Briefing, Room 271 Geology
Haise		Same as Lovell
Mattingly	0900 1300	G&N Briefing (CMS Briefing Room) DCPS
Young	0900 1300	ALSEP Briefing, Room 271 Instrument check
Duke	0900 1300 1900	PI Briefing Geology Rendezvous Briefing
Swigert	0900 1300 1900 1100	G&N Briefing (CMS Briefing Room) CMS #1 (G&N) Rendezvous Briefing Suit Fit, Bldg. 7

Tuesday
September 16

Lovell	0900 1300 1700	ALSEP PI Briefing, Room 271 LMS #1 LM-7 Anomalies Briefing, Room 396
Haise		Same as Lovell
Mattingly	0830 0930 1300	CMS #1 G&N (briefing only) Trajectory Briefing, Room 378 CMS
Young	0900 1300 1700	ALSEP PI Briefing, Room 271 LMPS LM-7 Anomalies Briefing, Room 396
Duke	0800 0900	Geology Same as Young
Swigert	0830 1300	CMS G&N Brief and Simulator CMPS

Wednesday
September 17

Lovell	0830 1300	Rendezvous Briefing, Room 396 LMS #1
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Wednesday, Sept. 17 (cont.)

Haise	0830 1300	Rendezvous Briefing, Room 396 LMS #1
Mattingly	0830 1300 1530	Rendezvous Briefing Re-entry Simulator Food Briefing
Backup Crew	0700	CM Altitude Chamber

Thursday
September 18

Lovell	0700	LM Altitude Chamber
Haise		Same
Mattingly	0830 1300	CMS #1 CMPS
Young	0830-1700	LMS #1
Duke		Same
Swigert	0830 0930 1300	CMS (briefing only) Tunnel & hatch exercise CMS #1

Friday
September 19

Lovell	0900 1400	LMS #1 CMS #1
Haise	0900 1300	LMS #1 LMPS
Mattingly	1000	CMS #1
Young	0900 1300	LMPS LMS #1
Duke	0900 1300	LMPS LMS #1

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APOLLO 13 CREW TRAINING SUMMARY

As of Oct. 1, 1969

VERIFIED:

Lloyd Reeder
Lloyd Reeder

ASTRONAUTS	LOVELL	MATTINGLY	HAISE	YOUNG	SWIGERT	DUKE
PLANNED HOURS						
CSM SYS BRIEF						
DOCKING	2					
ECS	2	2 + 00				3 + 15
EPS	2	2 + 00				
G&C	6	2 + 30			3 + 00	
Prop & RCS	2	3 + 00			2 + 00	
SECS	2	2 + 00			2 + 00	
COMM	1	1 + 00			1 + 45	
Crew SYS	2					
CM SIMULATORS						
CMS	100	8 + 15	93 + 55	13 + 15	12 + 50	174 + 20
CMPS	15		26 + 50			29 + 15
DCPS	6	3 + 20	12 + 25	5 + 10		
ME	-				54 + 55	
Centrifuge	-					
SIM Brief	10		4 + 00		1 + 00	
G&CD (CM)						
CSM TESTS (KS)						
ALT Chbr	16	14 + 00	14 + 00	14 + 00	14 + 00	14 + 00
Docking	4					
Flt Readiness	8					
Countdown Demo	8					
CCFF	4	3 + 00	3 + 00	3 + 00	3 + 00	3 + 00
LM SYS BRIEF						
COMM	2	2 + 00		2 + 00	3 + 00	3 + 00
CES	5				6 + 30	
ECS	2	1 + 20		1 + 15	8 + 30	2 + 30
EPS	2	1 + 30		1 + 30	4 + 45	
Instrumentation	2					
Radar	5				2 + 00	
Prop & RCS	2	2 + 00		2 + 00	6 + 00	2 + 00
AGS	6				3 + 00	
LM SIMULATORS						
LMS	130	26 + 35		29 + 40	113 + 05	52 + 05
LMPS	15				17 + 00	3 + 00
MIT Hybrid	-					
TDS	3					
FMES	-			6 + 30		
Sim Brief	10	1 + 00		1 + 00		

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APOLLO 13 CREW TRAINING SUMMARY
As of Oct. 1, 1969

ASTRONAUTS		LOVELL	MATTINGLY	HAISE	YOUNG	SWIGERT	DUKE
	PLANNED HOURS						
LM TESTS							
ALT Chbr	16	14 + 00		14 + 00	13 + 00		13 + 00
Flt Readiness	8						
CCFF	4	3 + 00		3 + 00	3 + 00		3 + 00
Alsep CFF	4						
LV Brief	4						
G&N Programs	20	2 + 00	19 + 00	2 + 00	3 + 00	20 + 00	3 + 00
Photography	8		3 + 00				
EMU Brief	-				2 + 00		2 + 00
Lunar Topography							
Reviews	30	2 + 00	5 + 00	2 + 00			
PROCEDURES							
Checklist	25						
Mission Techniques	40	10 + 00	7 + 00	17 + 00	13 + 00	7 + 00	8 + 00
Mission Rules	10						
Flight Plan	25	3 + 00	3 + 00	3 + 00	3 + 00		
ZERO G (EVA)							
Walkthroughs	6		3 + 00			2 + 30	
WIF/Zero A/C	3						
EMU C/O (OFF NOMINAL)	10						
Egress Training	8		2 + 00				2 + 00
S/C Fire	6						
Bench Checks	8		4 + 00	3 + 30		4 + 30	
Stowage	20						
Planetarium	-						
LLTV C/O (LLRF)	-						
Medical	-						
LUNAR SURFACE							
Briefings	65	15 + 00	10 + 00	17 + 00	11 + 00		10 + 00
Field Trips	75	50 + 00		50 + 00	50 + 00		50 + 00
Simulations	107	8 + 00		8 + 00	4 + 00		4 + 00

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APOLLO 13 CREW TRAINING SUMMARY

AS OF OCTOBER 1, 1969

DAY & DATE

ACTIVITY

Monday
September 15

ALSEP PI Briefing - Lovell, Haise, Young
Duke
Geology - Lovell, Haise, Duke
CMS #1 - Swigert
DCPS - Mattingly
LM7 Status Briefing - Lovell, Haise
Young, Duke
SPS Briefing - Mattingly, Swigert

Tuesday
September 16

ALSEP Systems Briefing - Lovell, Haise
Young, Duke
Geology - Duke
CMS #1 - Mattingly, Swigert
LMS #1 - Lovell, Haise
CMPS - Swigert

Wednesday
September 17

CM Altitude Chamber - B/U
LMS #1 - Lovell, Haise
Rendezvous Briefing - P
Reentry Simulator - Mattingly

Thursday
September 18

CMS #1 - Swigert, Mattingly
Mattingly - CMPS
LMS #1 - Young, Duke
LM Altitude Chamber - Lovell, Haise
Tunnel & Hatch Exer - Swigert

Friday
September 19

LMS #1 - Lovell, Haise
LMPS - Young, Duke
CMS - Mattingly
Geology - Mattingly
ALSEP Deployment - Lovell, Haise, Young, Duke

Monday
September 22

LM Altitude Chamber - Young, Duke
Geology - Lovell, Haise
Drill Exercise - Lovell, Haise
CMS - Mattingly, Swigert
MAP Study - Mattingly

Tuesday
September 23

Tindall Mtg - All
Geology - Duke
G&N Lecture - Swigert

Wednesday
September 24

Geology Field Trip - Lovell, Haise
Young, Duke - continued through end
of period -
Tunnel Exer - Mattingly
Reentry Sim - Swigert
CMS - Mattingly, Swigert

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APOLLO 13 CREW TRAINING SUMMARY CONTINUED - PAGE 2

DAY & DATE

ACTIVITY

Thursday
September 25

CMS - Swigert, Mattingly
SECS Briefing - Swigert
Navigation Briefing - Mattingly

Friday
September 26

PUGS Briefing - Mattingly
CMS - Mattingly, Swigert
CMPS - Swigert

Saturday
September 27

Orbital Geology - Mattingly

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APOLLO 13 CREW TRAINING SUMMARY As of Oct. 15, 1969

VERIFIED: *M. S. Rymer*
for *Lloyd Reeder*

ASTRONAUTS	LOVELL	MATTINGLY	HAISE	YOUNG	SWIGERT	DUKE	
PLANNED HOURS							
CSM SYS BRIEF							
DOCKING	2						
ECS	2	2 + 00				3 + 15	
EPS	2	2 + 00					
G&C	6	7 + 45			8 + 15		
Prop & RCS	2	3 + 00			4 + 00		
SECS	2	2 + 00			2 + 00		
COMM	1	1 + 00			1 + 45		
Crew SYS	2						
CM SIMULATORS							
CMS	100	8 + 15	116 + 40	17 + 15	12 + 50	207 + 50	19 + 25
CMPS	15		33 + 35			36 + 45	
DCPS	6	3 + 20	12 + 25	5 + 10	2 + 00	2 + 00	
None							
ME	-					54 + 55	
Centrifuge	-						
SIM Brief	10		4 + 00			1 + 00	
G&CD (CM)							
CSM TESTS (KS)							
ALT Chbr	16	14 + 00	14 + 00	14 + 00	14 + 00	14 + 00	14 + 00
Docking	4						
Flt Readiness	8						
Countdown Demo	8						
CCFF	4	3 + 00	3 + 00	3 + 00	3 + 00	3 + 00	3 + 00
LM SYS BRIEF							
COMM	2	2 + 00		2 + 00	3 + 00		3 + 00
CES	5				6 + 30		
ECS	2	1 + 20		1 + 15	8 + 30		2 + 30
EPS	2	1 + 30		1 + 30	4 + 45		
Instrumentation	2						
Radar	5	0 + 15		1 + 00	2 + 00		1 + 00
Prop & RCS	2	2 + 00		2 + 00	6 + 00		2 + 00
AGS	6				3 + 00		
LM SIMULATORS							
LMS	130	39 + 50		57 + 30	119 + 50		73 + 45
LMPS	15			6 + 30	20 + 30		9 + 30
MIT Hybrid	-						
TDS	3	1 + 00					
FMES	-			6 + 30			
Sim Brief	10	1 + 00		1 + 00			

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APOLLO 13 CREW TRAINING SUMMARY

As of Oct. 15, 1969

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ASTRONAUTS		LOVELL	MATTINGLY	HAISE	YOUNG	SWIGERT	DUKE
	PLANNED HOURS						
LM TESTS							
ALT Chbr	16	14 + 00		14 + 00	13 + 00		13 + 00
Flt Readiness	8						
CCFF	4	3 + 00		3 + 00	3 + 00		3 + 00
Alsep CFF	4	6 + 00		6 + 00	6 + 00		6 + 00
LV Brief	4						
G&N Programs	20	2 + 00	71 + 00	2 + 00	3 + 00	74 + 00	3 + 00
Photography	8		4 + 30		1 + 00		1 + 00
EMU Brief	-				2 + 00		2 + 00
Lunar Topography							
Reviews	30	2 + 00	5 + 00	2 + 00			
PROCEDURES							
Checklist	25		4 + 00				
Mission Techniques	40	10 + 00	10 + 30	17 + 00	19 + 00	7 + 00	8 + 00
Mission Rules	10						
Flight Plan	25	3 + 00	3 + 00	3 + 00	3 + 00		
ZERO G (EVA)							
Walkthroughs	6		3 + 00			2 + 30	
WIF/Zero A/C	3						
EMU C/O (OFF NOMINAL)	10						
Egress Training	8		2 + 00				2 + 00
S/C Fire	6						
Bench Checks	8		4 + 00	3 + 30		4 + 30	
Stowage	20						
Planetarium	-						
LLTV C/O (LLRF)	-				12 + 50		
Medical	-						
LUNAR SURFACE							
Briefings	65	20 + 00	18 + 00	22 + 00	16 + 00	4 + 00	12 + 00
Field Trips	75	64 + 00		64 + 00	64 + 00		64 + 00
Simulations	107	8 + 00		11 + 30	6 + 00		11 + 00
Total	876	217 + 15	318 + 40	266 + 40	354 + 45	427 + 30	257 + 25

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APOLLO 13 CREW TRAINING SUMMARY AS OF OCTOBER 15, 1969

DAY & DATE

ACTIVITY

Wednesday
October 1

Geology Field Trip - Lovell, Haise,
Young, Duke
G&N Briefing @ MIT - Mattingly, Swigert

Thursday
October 2

Mission Review - Young
Lunar Drill Exercise - Duke
LMPS - Haise & Duke
G&N Briefing @ MIT - Mattingly, Swigert
Leave - Lovell

Friday
October 3

CMS #1 - Mattingly & Swigert
LMS #1 - Haise & Duke
Seat C. G. @ Weber - Young
Leave - Lovell

Monday
October 6

ALSEP Deployment - Haise, Young, Duke
Geology Field Trip Debrief - Young, Duke
CMS #1-Swigert
CMPS - Mattingly
LMPS - Haise
CM SCS Brief - Swigert

Tuesday
October 7

Geology Field Trip Debrief - Lovell, Haise
Rendezvous C/L Rev - Mattingly
CMS #1 - Mattingly, Swigert
DCPS - Young, Swigert
Lunar tools & S-Band - Young, Duke
LMS #1 - Lovell, Haise
CM SCS Briefing - Mattingly, Swigert

Wednesday
October 8

LMS #1 - Lovell, Haise, Duke
CMS #1 - Mattingly, Swigert
LLRF - Young
LM CES Brief - Duke
Reentry Sim - Swigert
CM SCS Briefing - Mattingly, Swigert

Thursday
October 9

LMS #1 - Lovell, Haise, Duke
LM Radar Brief - Lovell, Haise, Duke
Orbital Geo. Br. - Lovell, Haise
CMS #1 - Mattingly, Swigert
LLRF - Young
Pogo Exercise - Duke
G&N Brief - Swigert
CM RCS Brief - Swigert

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APOLLO 13 CREW TRAINING SUMMARY (CONT)

PAGE 2

DAY & DATE

ACTIVITY

Friday
October 10

ALSEP CCFF - Lovell, Haise, Young, Duke
CMS #1 - Swigert
CMPS - Mattingly

Monday
October 11

CMS #1 - Mattingly, Haise, Swigert, Duke
Geology - Haise
TV Camera Brief - Mattingly
Docking Film - Mattingly
LLTV Systems Brief - Young
LMPS - Young, Duke
CMPS - Swigert
Leave - Lovell

Tuesday
October 14

LMS #1 - Haise, Young, Duke
Lighting Mtg - Lovell
G&N Brief by MIT @ MSC - Mattingly, Swigert
LLTV Systems Brief - Young
Geology - Duke

Friday
October 15

LMS #1 - Lovell, Haise, Young, Duke
TDS - Lovell
Geology - Lovell, Haise
CMS #1 - Mattingly, Swigert
CM Rescue Brief - Mattingly
LLTVS - Young
Photo Briefing - Young, Duke
CMPS - Swigert

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APOLLO 13 CREW TRAINING SUMMARY

As of Oct. 31, 1969

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ASTRONAUTS

LOVELL

MATTINGLY

HAISE

YOUNG

SWIGERT

DUKE

PLANNED
HOURS

CSM SYS BRIEF

DOCKING

2

ECS

2

2 + 00

3 + 15

EPS

2

2 + 00

G&C

6

7 + 45

11 + 45

Prop & RCS

2

3 + 00

4 + 00

SECS

2

2 + 00

2 + 00

COMM

1

1 + 00

5 + 15

Crew SYS

2

CM SIMULATORS

CMS

100

8 + 15

148 + 00

17 + 15

12 + 50

241 + 05

29 + 55

CMPS

15

46 + 20

56 + 30

DCPS

6

3 + 20

14 + 05

5 + 10

2 + 00

2 + 00

ME

-

54 + 55

Centrifuge

-

SIM Brief

10

4 + 00

1 + 00

G&CD (CM)

CSM TESTS (KS)

ALT Chbr

16

14 + 00

14 + 00

14 + 00

14 + 00

14 + 00

14 + 00

Docking

4

Flt Readiness

8

Countdown Demo

8

CCFF

4

3 + 00

3 + 00

3 + 00

3 + 00

3 + 00

3 + 00

LM SYS BRIEF

COMM

2

2 + 00

2 + 00

3 + 00

3 + 00

CES

5

6 + 30

ECS

2

1 + 20

1 + 15

8 + 30

2 + 30

EPS

2

1 + 30

1 + 30

4 + 45

Instrumentation

2

Radar

5

0 + 15

1 + 00

2 + 00

1 + 00

Prop & RCS

2

2 + 00

2 + 00

6 + 00

2 + 00

AGS

6

3 + 00

LM SIMULATORS

LMS

130

54 + 55

84 + 00

142 + 45

97 + 50

LMPS

15

6 + 30

21 + 45

22 + 15

MIT Hybrid

-

TDS

3

1 + 00

1 + 30

FMES

-

6 + 30

Sim Brief

10

1 + 00

1 + 00

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APOLLO 13 CREW TRAINING SUMMARY
As of Oct. 31, 1969

-2-

ASTRONAUTS		LOVELL	MATTINGLY	HAISE	YOUNG	SWIGERT	DUKE
	PLANNED HOURS						
LM TESTS							
ALT Chbr	16	14 + 00		14 + 00	13 + 00		13 + 00
Flt Readiness	8						
CCFF	4	3 + 00		3 + 00	3 + 00		3 + 00
Alsep CFF	4	6 + 00		6 + 00	6 + 00		6 + 00
LV Brief	4	5 + 30	5 + 30	5 + 30	5 + 30	5 + 30	5 + 30
G&N Programs	20	2 + 00	71 + 00	2 + 00	3 + 00	74 + 00	3 + 00
Photography	8	1 + 00	7 + 30	1 + 00	1 + 00	4 + 00	1 + 00
EMU Brief	-	3 + 00		3 + 00	2 + 00		2 + 00
Lunar Topography							
Reviews	30	2 + 00	5 + 00	2 + 00			
PROCEDURES							
Checklist	25		6 + 00				
Mission Techniques	40	10 + 00	16 + 30	17 + 00	25 + 00	17 + 00	8 + 00
Mission Rules	10						
Flight Plan	25	10 + 00	10 + 00	10 + 00	10 + 00	7 + 00	7 + 00
ZERO G (EVA)							
Walkthroughs	6		3 + 00			2 + 30	
WIF/A/C	3						
EMU (OFF NOMINAL)	10	6 + 00		6 + 00			
gress Training	8		2 + 00		2 + 00	2 + 00	2 + 00
S/C Fire	6		1 + 00			1 + 00	1 + 00
Bench Checks	8		4 + 00	3 + 30		4 + 30	
Stowage	20						
Planetarium	-						
LLTV System					8 + 00		
LLTV Sim		1 + 45			6 + 15		
LLTV C.O.							
LLTV Prof.							
Medical	-						
LUNAR SURFACE							
Briefings	65	24 + 00	21 + 00	26 + 00	18 + 00	4 + 00	18 + 00
Field Trips	75	74 + 00		74 + 00	74 + 00		74 + 00
Simulations	107	16 + 00		19 + 30	6 + 00		11 + 00
Total	876	278 + 35	393 + 25	337 + 40	432 + 50	515 + 05	323 + 35

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APOLLO 13 CREW TRAINING SUMMARY

PAGE 2

DAY & DATE

ACTIVITY

Wednesday
October 29

IMS #1 - Lovell, Haise, Young, Duke
CMS #1 - Mattingly, Swigert
DCPS - Mattingly
CMPS - Swigert
IMPS - Duke
SESL (dry run) - Lovell

Thursday
October 30

Rndz. Brief - All
EMU Trng (SESL) - Haise
Fire Trng - Mattingly, Swigert, Duke

Friday
October 31

EMU Trng (SESL) - Lovell
IMS #1 - Lovell, Haise, Young, Duke
Nav Brief - Haise
TDS - Mattingly
CMS #1 - Mattingly, Swigert
IMPS - Duke
CCB Mtg. - Young

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APOLLO 13 CREW TRAINING SUMMARY

AS OF NOVEMBER 1, 1969

<u>DAY & DATE</u>	<u>ACTIVITY</u>
Thursday October 16	LMS #1 - Lovell, Haise, Young, Duke CMS #1 - Mattingly, Swigert Geology - Lovell, Haise Photo Brief - Lovell, Haise CMPS - Mattingly CM Rescue Brief - Swigert LLRF - Young, Drill Exer - Duke
Friday October 17	Team Mtg - All Flight plan review - All Orbital Geology - Mattingly
Monday October 20	LMS #1 - Lovell, Haise, Young, Duke CMS #1 - Mattingly, Swigert Photo Brief - Swigert Geology - Haise, Young, Duke
Tuesday October 21	L/V Brief - All
Wednesday October 22	LMS #1 - Lovell, Haise, Young, Duke CMS #1 - Mattingly - Swigert, Duke Entry Simulator - Mattingly LLTVS - Young
Thursday October 23	LMS #1 - Lovell, Haise, Young, Duke CMS #1 - Mattingly, Swigert CMPS - Swigert TDS - Mattingly LMPS - Young, Duke
Friday October 24	Geology Field Trip - Lovell, Haise, Young, Duke CMS #1 - Mattingly, Swigert Photo Brief - Mattingly
Monday October 27	LMS #1 - Lovell, Haise CMS #1 - Mattingly, Swigert, Duke EMU Brief - Lovell, Haise LMPS - Duke CMPS - Swigert
Tuesday October 28	LMS #1 - Lovell, Haise, Young, Duke Nav Brief - Swigert CMS #1 - Swigert, Mattingly, Duke LLTVS - Lovell, Young CMPS - Mattingly SESL (dry run) - Haise

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APOLLO 13 CREW TRAINING SUMMARY

As of Nov. 15, 1969

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ASTRONAUTS	LOVELL	MATTINGLY	HAISE	YOUNG	SWIGERT	DUKE	
PLANNED HOURS							
CSM SYS BRIEF							
DOCKING	2						
ECS	2	2 + 00				3 + 15	
EPS	2	2 + 00					
G&C	6	7 + 45			11 + 45		
Prop & RCS	2	3 + 00			4 + 00		
SECS	2	2 + 00			2 + 00		
COMM	1	1 + 00			5 + 15		
Crew SYS	2						
CM SIMULATORS							
CMS	100	15 + 15	175 + 30	17 + 15	19 + 40	267 + 55	37 + 35
CMPS	15		58 + 35			71 + 45	
DCPS	6	3 + 20	14 + 05	5 + 10	5 + 40	2 + 00	
ME	-					54 + 55	
Centrifuge	-						
SIM Brief	10		4 + 00			1 + 00	
Entry Sim			8 + 00			10 + 40	
CSM TESTS (KS)							
ALT Chbr	16	14 + 00	14 + 00	14 + 00	14 + 00	14 + 00	14 + 00
Docking	4						
Flt Readiness	8						
Countdown Demo	8						
CCFF	4	3 + 00	3 + 00	3 + 00	3 + 00	3 + 00	3 + 00
LM SYS BRIEF							
COMM	2	2 + 00		2 + 00	3 + 00		3 + 00
CES	5				8 + 30		2 + 00
ECS	2	1 + 20		1 + 15	8 + 30		2 + 30
EPS	2	1 + 30		1 + 30	4 + 45		
Instrumentation	2						
Radar	5	0 + 15		1 + 00	2 + 00		1 + 00
Prop & RCS	2	2 + 00		2 + 00	6 + 00		2 + 00
AGS	6				3 + 00		
LM SIMULATORS							
LMS	130	76 + 05		100 + 15	151 + 55		112 + 10
LMPS	15	3 + 00		9 + 30	24 + 45		25 + 15
MIT Hybrid	-						
TDS	3	2 + 30	1 + 30				
FMES	-			6 + 30			
Sim Brief	10	1 + 00		1 + 00			

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APOLLO 13 CREW TRAINING SUMMARY
As of Nov. 15, 1969

-2-

ASTRONAUTS		LOVELL	MATTINGLY	HAISE	YOUNG	SWIGERT	DUKE
	PLANNED HOURS						
LM TESTS							
ALT Chbr	16	14 + 00		20 + 00	19 + 00		13 + 00
Flt Readiness	8						
CCFF	4	3 + 00		3 + 00	3 + 00		3 + 00
Alsep CFF	4	6 + 00		6 + 00	6 + 00		6 + 00
LV Brief	4	5 + 30	5 + 30	5 + 30	5 + 30	5 + 30	5 + 30
G&N Programs	20	2 + 00	71 + 00	2 + 00	3 + 00	74 + 00	3 + 00
Photography	8	1 + 00	7 + 30	1 + 00	1 + 00	4 + 00	1 + 00
EMU Brief	-	3 + 00		3 + 00	2 + 00		2 + 00
Lunar Topography							
Reviews	30	2 + 00	5 + 00	2 + 00			
PROCEDURES							
Checklist	25		6 + 00				
Mission Techniques	40	10 + 00	16 + 30	17 + 00	25 + 00	17 + 00	8 + 00
Mission Rules	10						
Flight Plan	25	10 + 00	13 + 00	10 + 00	10 + 00	7 + 00	7 + 00
ZERO G (EVA)							
Walkthroughs	6		3 + 00			2 + 30	
WIF/Zero A/C	3						
EMU C/O (OFF NOMINAL)	10	6 + 00		6 + 00			
Egress Training	8		2 + 00		2 + 00	2 + 00	2 + 00
S/C Fire	6		1 + 00			1 + 00	1 + 00
Bench Checks	8		4 + 00	3 + 30		4 + 30	
Stowage	20						
Planetarium	-						
LLTV System					8 + 00		
LLTV Sim		3 + 15			6 + 15		
LLTV C.O.							
LLTV Prof.							
Medical	-						
LUNAR SURFACE							
Briefings	65	32 + 00	31 + 00	34 + 00	26 + 00	10 + 00	26 + 00
Field Trips	75	84 + 00		84 + 00	84 + 00		84 + 00
Simulations	107	31 + 30		36 + 00	10 + 30		13 + 00
Total	876	344 + 15	456 + 10	396 + 35	477 + 50	569 + 35	370 + 55

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APOLLO 13 CREW TRAINING SUMMARY

AS OF NOVEMBER 16, 1969

<u>DAY & DATE</u>	<u>ACTIVITY</u>
Saturday November 1	ALSEP Deployment-Lovell, Haise
Monday November 3	LMS #1 - Haise, Lovell CMS #1 - Mattingly, Swigert LLRF - Young Suit Fit - Duke Optics Lab - Lovell CMPS - Mattingly
Tuesday November 4	LMS #1 - Lovell, Duke CMS #1 - Lovell, Mattingly, Swigert CMPS - Swigert LM Altitude Chbr. Test - Young, Duke
Wednesday November 5	CMS #1 - Mattingly, Swigert, Duke LMS #1 - Haise, Young, Duke SESL - Lovell Entry Simulator - Mattingly LMPS - Young, Duke CMPS - Duke
Thursday November 6	LMS #1 - Lovell, Young, Duke CMS #1 - Mattingly CMPS - Mattingly DCPS - Young, Swigert TDS-LLTVS - Lovell ALSEP Deployment - Young, Duke
Friday November 7	Geology - All CMS #1 - Swigert CMPS - Swigert
Monday November 10	CMS #1 - Mattingly, Young, Swigert, Duke CMPS - Swigert LMPS - Lovell, Haise LMS #1 - Lovell, Haise, Young, Duke
Tuesday November 11	Geology Field Trip - Lovell, Haise, Young, Duke
Wednesday November 12	CMS #1 - Lovell, Mattingly LMS #1 - Lovell, Haise CMS #1 - Young, Swigert CES Briefing - Young, Duke KC-135 - Haise

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APOLLO 13 CREW TRAINING SUMMARY (CONT)

PAGE 2

DAY & DATE

ACTIVITY

Thursday
November 13

CMS #2 - Backup crew
Geology Lecture - All
KC-135 - Lovell

Friday
November 14

Apollo 12 Launch

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APOLLO 13 CREW TRAINING SUMMARY As of December 1, 1969

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ASTRONAUTS	LOVELL	MATTINGLY	HAISE	YOUNG	SWIGERT	DUKE	
PLANNED HOURS							
CSM SYS BRIEF							
DOCKING	2						
ECS	2	2 + 00				3 + 15	
EPS	2	2 + 00					
G&C	6	7 + 45			11 + 45		
Prop & RCS	2	3 + 00			4 + 00		
SECS	2	2 + 00			2 + 00		
COMM	1	1 + 00			5 + 15		
Crew SYS	2						
CM SIMULATORS							
CMS	100	24 + 15	202 + 00	26 + 15	23 + 40	289 + 25	49 + 05
CMPS	15		67 + 05			83 + 30	
DCPS	6	3 + 20	14 + 05	5 + 10	2 + 00	5 + 00	54 + 00
ME	-					54 + 55	
Centrifuge	-						
SIM Brief	10		4 + 00			1 + 00	
Entry Sim			11 + 30			15 + 10	
CSM TESTS (KS)							
ALT Chbr	16	14 + 00	14 + 00	14 + 00	14 + 00	14 + 00	14 + 00
Docking	4						
Flt Readiness	8						
Countdown Demo	8						
CCFF	4	3 + 00	3 + 00	3 + 00	3 + 00	3 + 00	3 + 00
LM SYS BRIEF							
COMM	2	2 + 00		2 + 00	3 + 00		3 + 00
CES	5				8 + 30		2 + 00
ECS	2	1 + 20		1 + 15	8 + 30		2 + 30
EPS	2	1 + 30		1 + 30	4 + 45		
Instrumentation	2						
Radar	5	0 + 15		1 + 00	2 + 00		1 + 00
Prop & RCS	2	2 + 00		2 + 00	6 + 00		2 + 00
AGS	6				3 + 00		
LM SIMULATORS							
LMS	130	87 + 10		121 + 20	176 + 10		136 + 25
LMPS	15	3 + 00		9 + 30	24 + 45		25 + 15
MIT Hybrid	-						
TDS	3	2 + 30	2 + 30		1 + 00	1 + 00	
FMES	-			6 + 30			
Sim Brief	10	1 + 00		1 + 00			

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APOLLO 13 CREW TRAINING SUMMARY As of December 1, 1969

-2-

ASTRONAUTS		LOVELL	MATTINGLY	HAISE	YOUNG	SWIGERT	DUKE
	PLANNED HOURS						
LM TESTS							
ALT Chbr	16	14 + 00		20 + 00	19 + 00		13 + 00
Flt Readiness	8						
CCFF	4	6 + 00		6 + 00	6 + 00		6 + 00
Alsep CFF	4	6 + 00		8 + 00	6 + 00		6 + 00
LV Brief	4	5 + 30	5 + 30	5 + 30	5 + 30	5 + 30	5 + 30
G&N Programs	20	2 + 00	71 + 00	2 + 00	3 + 00	74 + 00	3 + 00
Photography	8	1 + 00	7 + 30	1 + 00	1 + 00	4 + 00	1 + 00
EMU Brief	-	3 + 00		3 + 00	2 + 00		2 + 00
Lunar Topography Reviews	30	2 + 00	5 + 00	2 + 00			
PROCEDURES							
Checklist	25		8 + 00				
Mission Techniques	40	10 + 00	18 + 30	17 + 00	25 + 00	17 + 00	8 + 00
Mission Rules	10						
Flight Plan	25	11 + 00	17 + 00	11 + 00	10 + 00	7 + 00	7 + 00
ZERO G (EVA)							
Walkthroughs	6		3 + 00			2 + 30	
WIF/Zero A/C	3	5 + 00	5 + 00	5 + 00			
EMU C/O (OFF NOMINAL)	10	6 + 00		6 + 00			
Egress Training	8		2 + 00		2 + 00	2 + 00	2 + 00
S/C Fire	6		1 + 00			1 + 00	1 + 00
Bench Checks	8		4 + 00	3 + 30		4 + 30	
Stowage	20	4 + 00				1 + 00	
Planetarium	-						
LLTV System					8 + 00		
LLTV Sim		3 + 15			6 + 15		
LLTV C.O.							
LLTV Prof.							
Medical	-						
LUNAR SURFACE							
Briefings	65	33 + 00	34 + 00	35 + 00	26 + 00	10 + 00	26 + 00
Field Trips	75	84 + 00		84 + 00	84 + 00		84 + 00
Simulations	107	34 + 30		39 + 00	15 + 30		18 + 00
Total	876	386 + 15	509 + 10	440 + 35	513 + 05	606 + 50	414 + 40

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APOLLO 13 CREW TRAINING SUMMARY

AS OF DECEMBER 1, 1969

DAY & DATE

ACTIVITY

Monday
November 17

LMS #1 - Haise, Lovell
CMS #1 - Mattingly, Swigert, Duke
Suit Fit - Young
Geology - Mattingly

Tuesday
November 18

CMS #1 - Prime - Swigert
LMS #1 - Young, Duke
CMPS - Swigert

Wednesday
November 19

CMS #1 - Mattingly, Swigert
LMS #1 - Lovell, Haise, Young, Duke
CMPS - Mattingly
Drill Exercise - Young, Duke
Entry Simulator - Swigert

Thursday
November 20

CMS #1 - Mattingly
CMPS - Swigert
CCFF - Descent Stage - Lovell, Haise
Young, Duke

Friday
November 21

LMS #1 - Lovell, Haise, Young, Duke
CMS #1 - Swigert, Duke, Young,
TDS - Young
Contingency Transfer Exer - (WIF) - Prime
On-Board Data Review - Mattingly

Monday
November 24

CMS #1 - Prime & Backup
LMS #1 - Lovell, Haise, Young, Duke
CMPS - Mattingly

Tuesday
November 25

CMS #1 - Swigert, Mattingly
CMPS - Swigert
LMS #1 - Lovell, Haise, Young, Duke
TDS - Mattingly
EVA #1 - Young, Duke

Wednesday
November 26

CMS #1 - Mattingly, Swigert
TDS - Swigert
Post EVA Exer - Lovell, Haise
LMS #1 - Lovell, Haise, Young, Duke

Thursday
November 27

HOLIDAY

Friday
November 28

CM Mockup Exer - Mattingly, Haise

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APOLLO 13 CREW TRAINING SUMMARY

As of December 14, 1969

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ASTRONAUTS	LOVELL	MATTINGLY	HAISE	YOUNG	SWIGERT	DUKE	
PLANNED HOURS							
CSM SYS BRIEF							
DOCKING	2						
ECS	2	2 + 00				3 + 15	
EPS	2	2 + 00					
G&C	6	7 + 45			11 + 45		
Prop & RCS	2	3 + 00			4 + 00		
SECS	2	2 + 00			2 + 00		
COMM	1	1 + 00			5 + 15		
Crew SYS	2						
CM SIMULATORS							
CMS	100	27 + 10	231 + 55	29 + 10	27 + 20	322 + 00	49 + 05
CMPS	15		67 + 05			91 + 30	
DCPS	6	3 + 20	14 + 05	5 + 10	4 + 05	7 + 45	
ME	-					54 + 55	
Centrifuge	-						
SIM Brief	10		6 + 10			1 + 00	
Entry Sim			11 + 30			17 + 10	
CSM TESTS (KS)							
ALT Chbr	16	14 + 00	14 + 00	14 + 00	14 + 00	14 + 00	14 + 00
Docking	4						
Flt Readiness	8						
Countdown Demo	8						
CCFF	4	3 + 00	3 + 00	3 + 00	3 + 00	3 + 00	3 + 00
LM SYS BRIEF							
COMM	2	2 + 00		2 + 00	3 + 00		3 + 00
CES	5				8 + 30		2 + 00
ECS	2	1 + 20		1 + 15	8 + 30		2 + 30
EPS	2	1 + 30		1 + 30	4 + 45		
Instrumentation	2						
Radar	5	0 + 15		1 + 00	2 + 00		1 + 00
Prop & RCS	2	2 + 00		2 + 00	6 + 00		2 + 00
AGS	6				3 + 00		
LM SIMULATORS							
LMS	130	109 + 55		144 + 05	187 + 05		136 + 25
LMPS	15	5 + 30		16 + 00	24 + 45		27 + 45
MIT Hybrid	-						
TDS	3	2 + 30	2 + 30	1 + 00	2 + 00	1 + 00	
FMES	-			6 + 30			
Sim Brief	10	1 + 00		1 + 00			

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APOLLO 13 CREW TRAINING SUMMARY
As of December 14, 1969

-2-

ASTRONAUTS		LOVELL	MATTINGLY	HAISE	YOUNG	SWIGERT	DUKE
	PLANNED HOURS						
LM TESTS							
ALT Chbr	16	14 + 00		20 + 00	19 + 00		13 + 00
Flt Readiness	8						
CCFF	4	6 + 00		6 + 00	6 + 00		6 + 00
Alsep CFF	4	6 + 00		8 + 00	6 + 00		6 + 00
LV Brief	4	5 + 30	5 + 30	5 + 30	5 + 30	5 + 30	5 + 30
G&N Programs	20	16 + 00	75 + 00	16 + 00	17 + 00	74 + 00	17 + 00
Photography	8	1 + 00	7 + 30	1 + 00	1 + 00	4 + 00	1 + 00
EMU Brief	-	3 + 00		3 + 00	5 + 00		5 + 00
Lunar Topography Reviews	30	2 + 00	6 + 00	2 + 00			
PROCEDURES							
Checklist	25	2 + 00	20 + 00	2 + 00			
Mission Techniques	40	24 + 00	32 + 30	33 + 00	25 + 00	23 + 00	14 + 00
Mission Rules	10						
Flight Plan	25	11 + 00	17 + 00	11 + 00	10 + 00	7 + 00	7 + 00
ZERO G (EVA)							
Walkthroughs	6	1 + 30	7 + 00	3 + 00	1 + 00	4 + 30	1 + 00
WIF/Zero A/C	3	5 + 00	5 + 00	5 + 00			
EMU C/O (OFF NOMINAL)	10	6 + 00		6 + 00	6 + 00		
Egress Training	8		2 + 00		2 + 00	2 + 00	2 + 00
S/C Fire	6		1 + 00			1 + 00	1 + 00
Bench Checks	8		4 + 00	3 + 30		4 + 30	
Stowage	20	4 + 00				1 + 00	
Planetarium	-						
LLTV System					8 + 00		
LLTV Sim		4 + 15			7 + 45		
LLTV C.O.							
LLTV Prof.							
Medical	-						
LUNAR SURFACE							
Briefings	65	33 + 00	34 + 00	35 + 00	26 + 00	10 + 00	26 + 00
Field Trips	75	84 + 00		84 + 00	84 + 00		84 + 00
Simulations	107	42 + 30		49 + 00	34 + 00		36 + 30
Total	876	452 + 00	545 + 00	517 + 15	576 + 05	671 + 50	475 + 00

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APOLLO 13 CREW TRAINING SUMMARY

AS OF DECEMBER 14, 1969

<u>DAY & DATE</u>	<u>ACTIVITY</u>
Monday December 1	LMS #2 - Lovell, Haise CMS #2 - Mattingly EMU Brief - Young, Duke EVA Prep - Young, Duke CMPS - Swigert
Tuesday December 2	LMS #2 - Lovell, Haise CMS #2 - Lovell, Mattingly, Haise CMPS - Swigert Entry Simulator - Swigert TDS - Young LLTVS - Young Tunnel Exer - Young SESL (Dry Run) - Duke
Wednesday December 3	Follow-On Crew Debrief - All exc. Young SESL (Dry Run) - Young
Thursday December 4	CMS #2 - Swigert LMS #2 - Young EVA Prep/Post - Lovell, Haise C/L Review - Mattingly SESL (EMU Fam) - Duke Drill Exer - Haise LMPS - Haise, Duke
Friday December 5	CMS #2 - Swigert Tindall Mtg - Lovell, Mattingly, Haise, Duke SESL EMU Fam - Young
Saturday December 6	EVA #1 - Lovell, Haise C/L Review - Mattingly CM Mockup Exer - Mattingly
Monday December 8	MIT Brief - Lovell, Haise, Young, Duke LMPS - Lovell, Haise CMS #2 - Swigert W. Matrix Brief - Mattingly
Wednesday December 10	CMS #2 - Mattingly, Swigert TDS - Haise LLTVS - Lovell Tunnel Exer - Lovell, Haise SESL Thermal Vacuum - Young

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APOLLO 13 CREW TRAINING SUMMARY (PAGE 2)

2

DAY & DATE

ACTIVITY

Thursday
December 11

CMS #2 - Mattingly, Swigert
CMS #3 - Young, Swigert, Mattingly
LMS #2 - Lovell, Haise, Young
SESL Thermal Vacuum - Duke

Friday
December 12

CMS #2 - Mattingly
LMS #2 - Lovell, Haise
Tunnel Exer - Duke
DCPS - Young, Swigert
EVA #1 - Young, Duke
CM Mockup Exer - Swigert

Saturday
December 13

C/L Review - Lovell, Mattingly, Haise
Hycon Camera Exer - Mattingly, Haise

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APOLLO 13 CREW TRAINING SUMMARY

As of December 31, 1969

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ASTRONAUTS	LOVELL	MATTINGLY	HAISE	YOUNG	SWIGERT	DUKE	
PLANNED HOURS							
CSM SYS BRIEF							
DOCKING	2						
ECS	2	2 + 00				3 + 15	
EPS	2	2 + 00					
G&C	6	7 + 45			11 + 45		
Prop & RCS	2	3 + 00			4 + 00		
SECS	2	2 + 00			2 + 00		
COMM	1	1 + 00			5 + 15		
Crew SYS	2						
CM SIMULATORS							
CMS	100	46 + 00	278 + 45	47 + 25	41 + 40	355 + 10	61 + 55
CMPS	15		67 + 05			91 + 30	
DCPS	6	3 + 20	14 + 05	5 + 10	4 + 05	7 + 45	
ME	-					54 + 55	
Centrifuge	-						
SIM Brief	10	1 + 00	10 + 00			1 + 00	
Entry Sim			13 + 30			17 + 10	
CSM TESTS (KS)							
ALT Chbr	16	14 + 00	14 + 00	14 + 00	14 + 00	14 + 00	14 + 00
Docking	4						
Flt Readiness	8						
Countdown Demo	8						
CCFF	4	3 + 00	3 + 00	3 + 00	3 + 00	3 + 00	3 + 00
LM SYS BRIEF							
COMM	2	2 + 00		2 + 00	3 + 00		3 + 00
CES	5				8 + 30		2 + 00
ECS	2	1 + 20		1 + 15	8 + 30		2 + 30
EPS	2	1 + 30		1 + 30	4 + 45		
Instrumentation	2						
Radar	5	0 + 15		1 + 00	2 + 00		1 + 00
Prop & RCS	2	2 + 00		2 + 00	6 + 00		2 + 00
AGS	6				3 + 00		
LM SIMULATORS							
LMS	130	135 + 45		174 + 25	208 + 50		158 + 10
LMPS	15	5 + 30		16 + 00	24 + 45		27 + 45
MIT Hybrid	-						
TDS	3	2 + 30	2 + 30	1 + 00	2 + 00	1 + 00	
FMES	-			6 + 30			
Sim Brief	10	1 + 00		1 + 00			

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OLLO 13 CREW TRAINING SUMMARY As of December 31, 1969

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ASTRONAUTS		LOVELL	MATTINGLY	HAISE	YOUNG	SWIGERT	DUKE
	ANNED OURS						
LM TESTS							
ALT Chbr	16	14 + 00		20 + 00	19 + 00		13 + 00
Flt Readiness	8						
CCFF	4	6 + 00		6 + 00	6 + 00		6 + 00
Alsep CFF	4	6 + 00		8 + 00	6 + 00		6 + 00
LV Brief	4	5 + 30	5 + 30	5 + 30	5 + 30	5 + 30	5 + 30
G&N Programs	20	16 + 00	75 + 00	16 + 00	17 + 00	74 + 00	17 + 00
Photography	8	1 + 00	7 + 30	1 + 00	1 + 00	4 + 00	1 + 00
EMU Brief	-	3 + 00		3 + 00	5 + 00		5 + 00
Lunar Topography							
Reviews	30	2 + 00	6 + 00	2 + 00			
PROCEDURES							
Checklist	25	2 + 00	26 + 00	2 + 00			
Mission Techniques	40	24 + 00	32 + 30	33 + 00	25 + 00	23 + 00	14 + 00
Mission Rules	10						
Flight Plan	25	11 + 00	21 + 00	11 + 00	10 + 00	7 + 00	7 + 00
ZERO G (EVA)							
Walkthroughs	6	1 + 30	9 + 00	3 + 00	1 + 00	4 + 30	1 + 00
WIF/Zero A/C	3	5 + 00	5 + 00	5 + 00			
EMU C/O (OFF NOMINAL)	10	6 + 00		6 + 00	6 + 00		
Egress Training	8		2 + 00		2 + 00	2 + 00	2 + 00
S/C Fire	6		1 + 00			1 + 00	1 + 00
Bench Checks	8		4 + 00	3 + 30		4 + 30	
Stowage	20	4 + 00				1 + 00	
Planetarium	-						
LLTV System					8 + 00		
LLTV Sim		4 + 15			7 + 45		
LLTV C.O.							
LLTV Prof.							
Medical	-						
LUNAR SURFACE							
Briefings	65	33 + 00	37 + 00	35 + 00	26 + 00	13 + 00	26 + 00
Field Trips	75	114 + 00		114 + 00	114 + 00		114 + 00
Simulations	107	42 + 30		49 + 00	34 + 00		36 + 30
Total	876	527 + 40	632 + 40	630 + 50	642 + 10	708 + 00	539 + 35

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APOLLO 13 CREW TRAINING SUMMARY

AS OF DECEMBER 31, 1969

DAY & DATE

ACTIVITY

Monday
December 15

CMS #2 - Swigert
LMS #2 - Young, Duke
CMS #3 - Lovell, Mattingly, Haise

Tuesday
December 16

CMS #2 - Mattingly
IMS #2 - Lovell, Haise
CMS #3 - Young, Swigert, Duke

Wednesday
December 17

CMS #2 - Mattingly, Swigert
Travel to Hawaii - IM Crewmembers

Thursday
December 18

CMS #2 - Mattingly, Swigert
Geology Field Exercise - Lovell, Haise,
Young, Duke
Flight Plan Review - Mattingly

Friday
December 19

CMS #2 - (Swigert)
Entry Simulator - Mattingly
ASPO Meeting - Mattingly
Geology - Lovell, Haise, Young, Duke

Saturday
December 20

Geology Field Trip - Lovell, Haise, Young,
Duke
Mockup Exercise - Mattingly

Monday
December 22

CMS #2 - Swigert, Lovell, Mattingly, Haise
LMS #2 - Young, Duke, Lovell, Haise

Tuesday
December 23

LMS #2 - Young, Duke, Lovell, Haise
CMS #2 - Young, Duke, Swigert, Lovell,
Mattingly, Haise

Wednesday
December 24

CMS #2 - Mattingly
LMS #2 - Young, Duke

Monday
December 29

CMS #2 - Lovell, Mattingly, Haise
LMS #2 - Young, Duke

Tuesday
December 30

CMS #2 - Mattingly
LMS #2 - Lovell, Haise
LMS #1 - Young, Duke

Wednesday
December 31

IMS #2 - Lovell, Haise
CMS #2 - Mattingly
Mission Rules - Duke

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APOLLO 13 CREW TRAINING SUMMARY

As of January 15, 1970

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Lloyd Reeder

ASTRONAUTS		LOVELL	MATTINGLY	HAISE	YOUNG	SWIGERT	DUKE
	PLANNED HOURS						
CSM SYS BRIEF							
DOCKING	2						
ECS	2		4 + 00				3 + 15
EPS	2		4 + 00				
G&C	6	7 + 45				11 + 45	
Prop & RCS	2		3 + 00			4 + 00	
SECS	2		2 + 00			2 + 00	
COMM	1		1 + 00			5 + 15	
Crew SYS	2						
CM SIMULATORS							
CMS	100	63 + 50	312 + 25	64 + 15	52 + 30	389 + 15	72 + 45
CMPS	15		67 + 05			91 + 30	
DCPS	6	3 + 40	15 + 05	5 + 10	7 + 05	10 + 45	
ME	-					54 + 55	
Centrifuge	-						
SIM Brief	10	2 + 30	14 + 25	1 + 30	1 + 30	3 + 15	1 + 30
Entry Sim			13 + 30			17 + 10	
CSM TESTS (KS)							
ALT Chbr	16	14 + 00	14 + 00	14 + 00	14 + 00	14 + 00	14 + 00
Docking	4						
Flt Readiness	8						
Countdown Demo	8						
CCFF	4	3 + 00	3 + 00	3 + 00	3 + 00	3 + 00	3 + 00
LM SYS BRIEF							
COMM	2	2 + 00		2 + 00	3 + 00		3 + 00
CES	5				12 + 30		6 + 00
ECS	2	1 + 20		1 + 15	8 + 30		2 + 30
EPS	2	1 + 30		1 + 30	4 + 45		
Instrumentation	2						
Radar	5	0 + 15		1 + 00	2 + 00		1 + 00
Prop & RCS	2	5 + 00		5 + 00	11 + 00		11 + 00
AGS	6				3 + 00		
LM SIMULATORS							
LMS	130	159 + 45		199 + 05	254 + 50		202 + 55
LMPS	15	5 + 30		16 + 00	24 + 45		27 + 45
MIT Hybrid	-						
TDS	3	2 + 30	2 + 30	1 + 00	2 + 00	1 + 00	
FMES	-			6 + 30			
Sim Brief	10	1 + 00		1 + 00			

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APOLLO 13 CREW TRAINING SUMMARY

As of January 15, 1970

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ASTRONAUTS		LOVELL	MATTINGLY	HAISE	YOUNG	SWIGERT	DUKE
	PLANNED HOURS						
LM TESTS							
ALT Chbr	16	14 + 00		20 + 00	19 + 00		13 + 00
Flt Readiness	8						
CCFF	4	6 + 00		6 + 00	6 + 00		6 + 00
Alsep CFF	4	6 + 00		8 + 00	6 + 00		6 + 00
LV Brief	4	5 + 30	5 + 30	5 + 30	5 + 30	5 + 30	5 + 30
G&N Programs	20	16 + 00	75 + 00	16 + 00	17 + 00	74 + 00	17 + 00
Photography	8	1 + 00	7 + 30	1 + 00	1 + 00	4 + 00	1 + 00
EMU Brief	-	3 + 00		3 + 00	5 + 00		5 + 00
Lunar Topography							
Reviews	30	2 + 00	6 + 00	2 + 00			
PROCEDURES							
Checklist	25	2 + 00	26 + 00	2 + 00			
Mission Techniques	40	26 + 00	34 + 30	35 + 00	25 + 00	23 + 00	14 + 00
Mission Rules	10	3 + 30	3 + 30	3 + 30			
Flight Plan	25	15 + 00	25 + 00	15 + 00	10 + 00	7 + 00	7 + 00
ZERO G (EVA)							
Walkthroughs	6	1 + 30	9 + 00	3 + 00	1 + 00	4 + 30	1 + 00
WIF/Zero A/C	3	5 + 00	5 + 00	5 + 00			
EMU C/O (OFF NOMINAL)	10	6 + 00		6 + 00	6 + 00		
Egress Training	8		2 + 00		2 + 00	2 + 00	2 + 00
S/C Fire	6		1 + 00			1 + 00	1 + 00
Bench Checks	8		4 + 00	3 + 30		4 + 30	
Stowage	20	4 + 00				1 + 00	
Planetarium	-						
LLTV System					8 + 00		
LLTV Sim		4 + 15			7 + 45		
LLTV C.O.							
LLTV Prof.							
Medical	-						
LUNAR SURFACE							
Briefings	65	33 + 00	37 + 00	35 + 00	26 + 00	13 + 00	26 + 00
Field Trips	75	114 + 00		114 + 00	114 + 00		114 + 00
Simulations	107	62 + 00		68 + 30	38 + 00		40 + 30
Total	876	603 + 20	703 + 00	690 + 15	701 + 40	744 + 20	606 + 40

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APOLLO 13 CREW SUMMARY
AS OF JANUARY 15, 1970

DAY & DATE

ACTIVITY

Monday
January 5

CMS #2 - Swigert
LMS #2 - Young, Duke
DCPS - Lovell, Mattingly
DOI Techniques Meeting - Prime Crew
Flight Plan Review - Prime Crew

Tuesday
January 6

LMS #2 - Lovell, Haise, Young, Duke
CMS #2 - Young, Swigert, Duke, Mattingly
EVA Prep & Post - Lovell, Haise

Wednesday
January 7

CMS #2 - Prime Crew & Swigert
LMS #2 - Young, Duke
EVA Prep/Post - Young, Duke
EVA #2 - Lovell, Haise

Thursday
January 8

CMS #2 LOI SIM - Prime Crew
LMS #2 - Young, Duke
Solo Book Review - Mattingly

Friday
January 9

CMS/LMS #2 LM Activation thru Descent Sim-Prime Crew
DCPS - Young, Swigert
LM CES Briefing - Young, Duke

Saturday
January 10

Drill Exercise - Lovell, Haise
TV Camera Exercise, - Lovell, Haise
Checklist Review - Mattingly

Monday
January 12

CMS #2 - Swigert
LMS #2 - Young, Duke
Mission Rules Review - Prime Crew
Mission Problem Review - Prime Crew
CM Consumables Briefing - Prime Crew

Tuesday
January 13

CMS #2 TLI SIM - All
LMS #2 - Young, Duke, Lovell, Haise

Wednesday
January 14

CMS #2 - Mattingly Plus Backup Crew
LMS #2 - Lovell, Haise, Young, Duke
EVA #1 - Lovell, Haise

Thursday
January 15

LMS #2 Descent Abort Sim - Lovell, Haise, Young, Duke
CMS #2 - Mattingly, Swigert
EMU CFF - Lovell, Haise
EPS/ECS Systems Review - Mattingly
LM Prop & RCS Review - Young, Duke

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APOLLO 13 CREW TRAINING SUMMARY

As of January 31, 1970

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ASTRONAUTS	LOVELL	MATTINGLY	HAISE	YOUNG	SWIGERT	DUKE	
PLANNED HOURS							
CSM SYS BRIEF							
DOCKING	2						
ECS	2	4 + 00				3 + 15	
EPS	2	4 + 00					
G&C	6	7 + 45					
Prop & RCS	2	3 + 00			4 + 00		
SECS	2	2 + 00			2 + 00		
COMM	1	1 + 00			5 + 15		
Crew SYS	2						
CM SIMULATORS							
CMS	100	78 + 25	358 + 10	75 + 15	62 + 40	434 + 20	82 + 55
CMPS	15		67 + 05			95 + 30	
DCPS	6	6 + 25	17 + 50	5 + 10	9 + 05	12 + 45	
ME	-					54 + 55	
Centrifuge	-						
SIM Brief	10	4 + 30	18 + 00	3 + 30	3 + 30	5 + 15	8 + 30
Entry Sim			15 + 00				
CSM TESTS (KS)							
ALT Chbr	16	14 + 00	14 + 00	14 + 00	14 + 00	14 + 00	14 + 00
Docking	4						
Flt Readiness	8					3 + 00	
Countdown Demo	8						
CCFF	4	3 + 00	3 + 00	3 + 00	3 + 00	3 + 00	3 + 00
LM SYS BRIEF							
COMM	2	2 + 00		2 + 00	3 + 00		3 + 00
CES	5				12 + 30		6 + 00
ECS	2	1 + 20		1 + 15	8 + 30		2 + 30
EPS	2	1 + 30		1 + 30	4 + 45		
Instrumentation	2						
Radar	5	0 + 15		1 + 00	2 + 00		1 + 00
Prop & RCS	2	5 + 00		5 + 00	11 + 00		11 + 00
AGS	6				3 + 00		
LM SIMULATORS							
LMS	130	197 + 20		249 + 25	288 + 55		244 + 00
LMPS	15	5 + 30		16 + 00	24 + 45		31 + 45
MIT Hybrid	-						
TDS	3	2 + 30	2 + 30	1 + 00	2 + 00	1 + 00	
FMES	-			6 + 30			
Sim Brief	10	4 + 00		4 + 00	3 + 00		3 + 00

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APOLLO 13 CREW TRAINING SUMMARY As of January 31, 1970

-2-

ASTRONAUTS		LOVELL	MATTINGLY	HAISE	YOUNG	SWIGERT	DUKE
	PLANNED HOURS						
LM TESTS							
ALT Chbr	16	14 + 00		20 + 00	19 + 00		13 + 00
Flt Readiness	8	4 + 00		4 + 00	2 + 00		2 + 00
CCFF	4	6 + 00		6 + 00	6 + 00		6 + 00
Alsep CFF	4	6 + 00		8 + 00	6 + 00		6 + 00
LV Brief	4	5 + 30	5 + 30	5 + 30	5 + 30	5 + 30	5 + 30
G&N Programs	20	16 + 00	75 + 00	16 + 00	17 + 00	74 + 00	17 + 00
Photography	8	4 + 00	11 + 30	4 + 00	1 + 00	4 + 00	1 + 00
EMU Brief	-	3 + 00		3 + 00	5 + 00		5 + 00
Lunar Topography							
Reviews	30	5 + 00	9 + 00	5 + 00	3 + 00	3 + 00	3 + 00
PROCEDURES							
Checklist	25	2 + 00	26 + 00	2 + 00			
Mission Techniques	40	28 + 00	37 + 00	37 + 00	25 + 00	23 + 00	14 + 00
Mission Rules	10	3 + 30	3 + 30	3 + 30			
Flight Plan	25	15 + 00	25 + 00	15 + 00	10 + 00	7 + 00	7 + 00
ZERO G (EVA)							
Walkthroughs	6	1 + 30	9 + 00	3 + 00	1 + 00	4 + 30	1 + 00
WIF/Zero A/C	3	5 + 00	5 + 00	5 + 00			
EMU C/O (OFF NOMINAL)	10	6 + 00		6 + 00	6 + 00		
Egress Training	8	9 + 00	11 + 00	9 + 00	6 + 00	6 + 00	6 + 00
S/C Fire	6		1 + 00			1 + 00	1 + 00
Bench Checks	8		4 + 00	3 + 30		4 + 30	
Stowage	20	4 + 00				1 + 00	
Planetarium	-						
LLTV System					8 + 00		
LLTV Sim		6 + 15			7 + 45		
LLTV C.O.		20 + 00			8 + 00		
LLTV Prof.							
Medical	-	1 + 00	1 + 00	1 + 00	1 + 00	1 + 00	1 + 00
LUNAR SURFACE							
Briefings	65	36 + 00	43 + 00	38 + 00	29 + 00	18 + 00	29 + 00
Field Trips	75	114 + 00		114 + 00	114 + 00		114 + 00
Simulations	107	70 + 00		78 + 30	49 + 00		54 + 30
Total	876	685 + 15	781 + 35	793 + 00	665 + 55	811 + 40	694 + 40

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APOLLO 13 CREW SUMMARY

AS OF JANUARY 31, 1970

DAY & DATE

ACTIVITY

Friday
January 16

CMS #2 - Mattingly, Swigert
LMS #2 (Ascent Sims) - Lovell, Haise, Young,
Duke
EVA #2 - Young, Duke
LM Prop & RCS Brief - Lovell, Haise, Young,
Duke

Saturday
January 17

Tank Egress Trng - Lovell, Mattingly, Haise
LLTV - Lovell

Sunday
January 18

LLTV (1 flt) - Lovell

Monday
January 19

CMS #2 - Young, Swigert, Duke
LMS #2 - Young, Duke
DCPS - Lovell, Mattingly
Hycon Camera Brief - Lovell, Mattingly, Haise
LLTV - Lovell

Tuesday
January 20

CMS #2 - Prime crew plus Swigert
LMS #2 - Young, Duke Haise
LLTV - Lovell (1 flt)

Wednesday
January 21

CMS #2 - Prime and Backup crews
(Launch Abort Sim)
LMS #2 - Lovell, Haise, Young, Duke
LM FRT - Young, Duke, Lovell, Haise

Thursday
January 22

CMS #2 - Prime crew plus Swigert
LMS #2 - Young, Duke
EVA #2 - Lovell, Haise -
Program Alarm Briefn - Mattingly

Friday
January 23

CMS #2 - Mattingly
LMS #2 - Lovell, Haise
DCPS - Young, Swigert
LMPS - Duke
CMPS - Swigert

Saturday
January 24

Gulf Egress - Prime
Apollo 12 Rock Review - All
LLTV - Lovell

Sunday
January 25

LLTV - Lovell

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APOLLO 13 CREW TRAINING SUMMARY (CONT)

PAGE 2

DAY & DATE

ACTIVITY

Monday
January 26

CMS #2 - Swigert
IMS #2 - Haise, Duke
LLRF - Young
Mission Review - Lovell
LLTV - Partial flight - Lovell
MPAD Meeting - Mattingly

Tuesday
January 27
J

CMS #2 - Lovell, Mattingly, Swigert
IMS #2 - Young, Duke, Haise
Lunar Map Review - All
EVA prep, post - Lovell, Haise

Wednesday
January 28

CMS #2 (Entry Sim) - All
IMS #2 - Young, Duke
EVA #1 - Lovell, Haise
Orbital Geology - Mattingly Swigert

Thursday
January 29

IM Activation Descent Sim
CMS/IMS - Prime
KC-135 - Duke
LLTV - Young
LLTVS - Young
CM FRT - Swigert

Friday
January 30

CMS #2 - Mattingly
IMS #2 - Lovell, Haise
LLTV - Young
Tank egress training - Backup

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APOLLO 13 CREW TRAINING SUMMARY

As of March 1, 1970

VERIFIED:

Lloyd Reeder

ASTRONAUTS	LOVELL	MATTINGLY	HAISE	YOUNG	SWIGERT	DUKE	
PLANNED HOURS							
CSM SYS BRIEF							
DOCKING	2				3 + 00		
ECS	2	4 + 00				3 + 15	
EPS	2	4 + 00					
G&C	6	7 + 45					
Prop & RCS	2	3 + 00			4 + 00		
SECS	2	2 + 00			2 + 00		
COMM	1	3 + 00	1 + 00		5 + 15		
Crew SYS	2						
CM SIMULATORS							
CMS	100	113 + 15	443 + 20	107 + 35	81 + 40	494 + 10	101 + 45
CMPS	15		67 + 05			111 + 15	
DCPS	6	8 + 25	19 + 50	5 + 10	10 + 35	14 + 15	
ME	-					54 + 55	
Centrifuge	-						
SIM Brief	10	4 + 30	18 + 00	3 + 30	3 + 30	5 + 15	8 + 30
Entry Sim			17 + 00			17 + 35	
CSM TESTS (KS)							
ALT Chbr	16	14 + 00	14 + 00	14 + 00	14 + 00	14 + 00	14 + 00
Docking	4						
Flt Readiness	8					3 + 00	
Countdown Demo	8						
CCFF	4	6 + 00	6 + 00	6 + 00	6 + 00	6 + 00	6 + 00
LM SYS BRIEF							
COMM	2	2 + 00		3 + 00	3 + 00		3 + 00
CES	5				12 + 30		6 + 00
ECS	2	1 + 20		1 + 15	8 + 30		2 + 30
EPS	2	1 + 30		1 + 30	4 + 45		
Instrumentation	2						
Radar	5	1 + 00		2 + 00	8 + 00		9 + 00
Prop & RCS	2	5 + 00		5 + 00	11 + 00		11 + 00
AGS	6				3 + 00		
LM SIMULATORS							
LMS	130	228 + 55		284 + 35	338 + 30		303 + 35
LMPS	15	5 + 30		16 + 00	24 + 45		35 + 45
MIT Hybrid	-						
TDS	3	2 + 30	2 + 30	1 + 00	2 + 00	1 + 00	
FMES	-			6 + 30			
Sim Brief	10	4 + 00		4 + 00	3 + 00		3 + 00

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APOLLO 13 CREW TRAINING SUMMARY

As of March 1, 1970

-2-

ASTRONAUTS		LOVELL	MATTINGLY	HAISE	YOUNG	SWIGERT	DUKE
	PLANNED HOURS						
LM TESTS							
ALT Chbr	16	14 + 00		20 + 00	19 + 00		13 + 00
Flt Readiness	8	4 + 00		4 + 00	2 + 00		2 + 00
CCFF	4	9 + 00		9 + 00	9 + 00		9 + 00
Alsep CFF	4	6 + 00		10 + 30	7 + 30		7 + 30
LV Brief	4	5 + 30	5 + 30	5 + 30	5 + 30	5 + 30	5 + 30
G&N Programs	20	16 + 00	75 + 00	16 + 00	17 + 00	74 + 00	17 + 00
Photography	8	4 + 00	11 + 30	4 + 00	1 + 00	4 + 00	1 + 00
EMU Brief	-	3 + 00		3 + 00	5 + 00		5 + 00
Lunar Topography							
Reviews	30	15 + 00	19 + 00	15 + 00	9 + 00	9 + 00	9 + 00
PROCEDURES							
Checklist	25	8 + 00	40 + 00	14 + 00			
Mission Techniques	40	28 + 00	41 + 00	37 + 00	25 + 00	28 + 00	14 + 00
Mission Rules	10	3 + 30	3 + 30	3 + 30			
Flight Plan	25	24 + 00	34 + 00	24 + 00	10 + 00	7 + 00	7 + 00
ZERO G (EVA)							
Walkthroughs	6	7 + 00	12 + 00	8 + 30	2 + 30	4 + 30	2 + 30
WIF/Zero A/C	3	5 + 00	5 + 00	5 + 00			
EMU C/O (OFF NOMINAL)	10	6 + 00		6 + 00	6 + 00		
Egress Training	8	11 + 00	13 + 00	11 + 00	7 + 00	7 + 00	7 + 00
S/C Fire	6		1 + 00			1 + 00	1 + 00
Bench Checks	8		4 + 00	3 + 30		4 + 30	
Stowage	20	4 + 00				1 + 00	
Planetarium	-	2 + 00	4 + 00	2 + 00			
LLTV System					8 + 00		
LLTV Sim		6 + 15			7 + 45		6 + 00
LLTV C.O.		20 + 00		6 + 00	8 + 00		
LLTV Prof.							
Medical	-	1 + 00	1 + 00	1 + 00	1 + 00	1 + 00	1 + 00
LUNAR SURFACE							
Briefings	65	38 + 00	45 + 00	43 + 00	31 + 00	20 + 00	31 + 00
Field Trips	75	114 + 00		114 + 00	114 + 00		114 + 00
Simulations	107	91 + 00		99 + 30	63 + 00		71 + 30
Total	876	843 + 10	926 + 00	1005 + 35	942 + 00	902 + 10	831 + 20

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APOLLO 13 CREW TRAINING SUMMARY

AS OF MARCH 1, 1970

DAY & DATE

ACTIVITY

Monday
February 2

CMS #2 - Backup crew
LMS #2 - Young, Duke
DCPS - Lovell, Haise
Data Review - Prime crew

Tuesday
February 3

TLI Sim CMS #2 - All
LMS #2 - Young, Duke
✓ EVA #1 Prep/Post - Young, Duke
Unaided Egress Trng. - Prime crew
✓ EVA #2 - Lovell, Haise

Wednesday
February 4

CMS #2 - Mattingly
LMS #2 - Lovell, Haise, Young, Duke
✓ EVA #1 - Lovell, Haise
Pad Walkdown - All
Lunar Topography Review - All
Field Trip Debriefing - IM Crewmen

Thursday
February 5

Descent Sim
LMS #2 - Lovell, Haise, Young, Duke
CMS #2 - Mattingly, Swigert
Radar Briefing - Young, Duke
✓ EVA #1 - Prep/Post - Lovell, Haise
Orbital Geology - Mattingly, Swigert
KC-135 - Swigert

Friday
February 6

CMS #2 - Lovell, Mattingly
LMS #2 - Lovell, Haise, Duke
DCPS - Young, Swigert
Young LLTV - No Flights

Saturday
February 7

LLTV - One aborted flight - Lovell

Monday
February 9

CMS #2 - Backup crew
LMS #2 - Young, Duke
Entry Simulators - Mattingly
Briefings - Mattingly
LLRF - Haise

Tuesday
February 10

CMS #2 - Prime crew
LMS #2 - Young, Duke
CMS #3 - Swigert
✓ EVA #1 - Young, Duke

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APOLLO 13 CREW TRAINING SUMMARY

PAGE 2

DAY & DATE

ACTIVITY

Wednesday
February 10 11

DOI Simulation
CMS #2 - All
EVA #2 - Prime and Backup
LM Prep for Contingency - Prime & Backup
LMS #2 - Lovell, Haise, Young, Duke

Thursday
February 11 12

EVA #1 - Sim - Lovell, Haise
EVA #1 - Timeline - (CMS) - Mattingly
Cap comm - Swigert
LMS #2 - Lovell, Haise, Duke
POGO - Young
LLTV - no fly - Young

Friday
February 13

CMS #2 - Prime
LMS #2 - Lovell, Haise
MESA Check - Haise
LMPS - Duke
CMPS - Swigert
LLTV - No Flights - Young

Saturday
February 14

Flight Plan Review - Prime crew
Geology Traverse Plan - Lovell, Haise, Young, Duke

Monday
February 16

Contingency Transfer Exercise - Prime crew
Comm Briefing - Mattingly, Haise
POGO - Lovell
Photo Briefing - Mattingly
CMS #2 - Swigert
LMS #2 - Young, Duke

Tuesday
February 17

TEI Simulation
CMS #2 - All
CM CCFF - All
MESA CCFF - Lovell, Haise

Wednesday
February 18

Launch Sim
CMS #2 - All
LM CCFF - Lovell, Haise, Young, Duke

Thursday
February 19

CMS #2 - Mattingly, Swigert
LMS #2 - Lovell, Haise, Young, Duke
Flight Plan Review - Prime crew
EVA #2 - Young, Duke
Checklist Review - Mattingly

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DAY & DATEACTIVITY

Friday
February 20

LLTV (1 flight) - Young
~~LLRF~~ - Duke
CMPS - Swigert
IMS #1 - Lovell, Haise
CMS #2 - Mattingly

Monday
February 23

Holiday
PI Briefing - Haise, Duke, Young

Tuesday
February 24

CMS #2 - All
IMS #2 - Young, Duke
LM FRT - Lovell, Haise, Young, Duke
Lunar Topography

Wednesday
February 25

CMS #2 - Mattingly, Swigert
IMS #2 - Lovell, Young, Duke
EVA #2 - Lovell, Haise
Press Conference - Haise
Lunar Topography - Prime crew

Thursday
February 26

CMS #2 - Prime crew
IMS #2 - Lovell, Haise, Young Duke
Soil Mechanics - Lovell, Haise
ASPO Mtg - Swigert

Friday
February 27

LLTV - Young (2 flights)
CMS #2 - Lovell, Mattingly
CMS #3 - Swigert
IMS #2 - Lovell, Haise
Mobile POGO - Young, Duke
EVCS Exercise - Young, Duke

Saturday
February 28

LLTV - Lovell (3 flights)

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APOLLO 13 CREW TRAINING SUMMARY As of March 15, 1970

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ASTRONAUTS	LOVELL	MATTINGLY	HAISE	YOUNG	SWIGERT	DUKE	
PLANNED HOURS							
CSM SYS BRIEF							
DOCKING	2				3 + 00		
ECS	2	4 + 00				7 + 00	
EPS	2	4 + 00				8 + 00	
G&C	6	9 + 45		2 + 00			
Prop & RCS	2	3 + 00			4 + 00		
SECS	2	2 + 00			2 + 00		
COMM	1	3 + 00	1 + 00		5 + 15	7 + 30	
Crew SYS	2						
CM SIMULATORS							
CMS	100	123 + 10	488 + 05	116 + 15	85 + 55	536 + 00	106 + 00
CMPS	15		67 + 05			111 + 15	
DCPS	6	10 + 35	22 + 40	5 + 20	12 + 15	16 + 00	
ME	-					54 + 55	
Centrifuge	-						
SIM Brief	10	6 + 30	21 + 00	5 + 30	4 + 30	8 + 30	12 + 30
Entry Sim			19 + 00			19 + 35	
CSM TESTS (KS)							
ALT Chbr	16	14 + 00	14 + 00	14 + 00	14 + 00	14 + 00	14 + 00
Docking	4						
Flt Readiness	8					3 + 00	
Countdown Demo	8						
CCFF	4	6 + 00	6 + 00	6 + 00	6 + 00	6 + 00	6 + 00
LM SYS BRIEF							
COMM	2	2 + 00		3 + 00	3 + 00		3 + 00
CES	5				12 + 30		15 + 00
ECS	2	1 + 20		1 + 15	8 + 30		2 + 30
EPS	2	1 + 30		1 + 30	4 + 45		8 + 00
Instrumentation	2						
Radar	5	1 + 00		2 + 00	8 + 00		9 + 00
Prop & RCS	2	5 + 00		5 + 00	11 + 00		11 + 00
AGS	6				3 + 00		
LM SIMULATORS							
LMS	130	253 + 40		309 + 20	388 + 45		353 + 20
LMPS	15	5 + 30		16 + 00	24 + 45		35 + 45
MIT Hybrid	-						
TDS	3	2 + 30	2 + 30	1 + 00	2 + 00	1 + 00	
FMES	-			6 + 30			
Sim Brief	10	4 + 00		4 + 00	3 + 00		3 + 00

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APOLLO 13 CREW TRAINING SUMMARY As of March 15, 1970

-2-

ASTRONAUTS		LOVELL	MATTINGLY	HAISE	YOUNG	SWIGERT	DUKE
	PLANNED HOURS						
LM TESTS							
ALT Chbr	16	14 + 00		20 + 00	19 + 00		13 + 00
Flt Readiness	8	4 + 00		4 + 00	2 + 00		2 + 00
CCFF	4	9 + 00		9 + 00	9 + 00		9 + 00
Alsep CFF	4	6 + 00		10 + 30	7 + 30		7 + 30
LV Brief	4	5 + 30	5 + 30	5 + 30	5 + 30	5 + 30	5 + 30
G&N Programs	20	18 + 00	75 + 00	18 + 00	17 + 00	74 + 00	17 + 00
Photography	8	4 + 00	11 + 30	4 + 00	1 + 00	4 + 00	1 + 00
EMU Brief	-	3 + 00		3 + 00	5 + 00		5 + 00
Lunar Topography							
Reviews	30 + 1	15 + 00	19 + 00	15 + 00	9 + 00	9 + 00	9 + 00
PROCEDURES							
Checklist	25	8 + 00	40 + 00	14 + 00			
Mission Techniques	40	28 + 00	41 + 00	37 + 00	25 + 00	28 + 00	14 + 00
Mission Rules	10	3 + 30	3 + 30	3 + 30			
Flight Plan	25	24 + 00	34 + 00	24 + 00	10 + 00	9 + 00	7 + 00
ZERO G (EVA)							
Walkthroughs	6	11 + 00	16 + 00	12 + 30	2 + 30	4 + 30	2 + 30
WIF/Zero A/C	3	5 + 00	5 + 00	5 + 00			
EMU C/O (OFF NOMINAL)	10	6 + 00		6 + 00	6 + 00		6 + 00
Egress Training	8	11 + 00	13 + 00	11 + 00	7 + 00	7 + 00	7 + 00
S/C Fire	6		1 + 00			1 + 00	1 + 00
Bench Checks	8	5 + 00	4 + 00	5 + 30	3 + 00	4 + 30	3 + 00
Stowage	20	4 + 00		7 + 00	16 + 00	1 + 00	4 + 00
Planetarium	-	2 + 00	8 + 00	4 + 00			
LLTV System					8 + 00		
LLTV Sim		6 + 15			7 + 45	(LLRF)	6 + 00
LLTV C.O.		20 + 00	(LLRF)	6 + 00	8 + 00		
LLTV Prof.							
Medical	-	4 + 00	4 + 00	4 + 00	4 + 00	4 + 00	4 + 00
LUNAR SURFACE							
Briefings	65	51 + 30	52 + 00	56 + 30	38 + 00	25 + 00	38 + 00
Field Trips	75	114 + 00		114 + 00	114 + 00		114 + 00
Simulations	107	107 + 00		119 + 30	86 + 00		93 + 30
Total	877	925 + 30	998 + 35	1016 + 10	992 + 10	961 + 00	970 + 36

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APOLLO 13 CREW TRAINING SUMMARY

AS OF MARCH 15, 1970

DAY & DATE

ACTIVITY

Sunday
March 1

Morehead Planetarium - Mattingly

Monday
March 2

CMS #2 (EVA #1 timeline sim)- Mattingly
LMS #2 - Young, Duke
Tunnel Exercise - Haise
Stowage Exercise - Haise
Capcomm for sim - Swigert

Tuesday
March 3

LMS #2/CMS #2 (IM Activation) thru
descent simulation) - Backup
EVA #1 Prep/and EVA #1 - Lovell, Haise
Geology traverse review - Lovell, Haise
Science briefing - Lovell, Haise, Young, Duke

Wednesday
March 4

CMS #2 - Mattingly and Backup crew
LMS #2 - Lovell, Haise, Young, Duke
Orbital geology - All

Thursday
March 5

LMS #2 - Descent aborts sim, - Lovell, Haise
Young, Duke
CMS #2 - Prime crew and Swigert
EVA #1 - Backup crew
Luminary briefing, - Lovell, Haise

Friday
March 6

LMS #2 - Lovell, Haise
CMS #2 - Lovell, Mattingly, Haise
Equipment stowage exercise (post-docking) -
Lovell, Mattingly, Haise
Physicals - Backup crew
DCPS - Young, Swigert
Entry Sim - Swigert
Drill Exercise - Duke
Mobile POGO - Duke

Saturday
March 7

Medical Briefing - All
LLTV (3 flights) - Lovell

Sunday
March 8

LLTV (3 flights) - Lovell

Monday
March 9

LLTV (2 aborted flights) - Lovell,
Physicals - Prime crew
Mobile POGO - Haise
Drill Exer - Haise
EVCS - Haise
Press Conf - Mattingly
LMS #2 - Young, Duke
CMS #2 - Swigert

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APOLLO 13 CREW TRAINING SUMMARY CONTINUED:

PAGE 2

DAY & DATE

ACTIVITY

Tuesday
March 10

LMS #2 (Desc. sim) - Lovell, Haise, Young,
Duke
CMS #2 - Mattingly, Swigert
Geology Traverse Review - Lovell, Haise,
Young, Duke
EVA #2 - Lovell, Haise
Orbital Geology - Mattingly, Swigert

Wednesday
March 11

Ascent simulation
LMS #2 - Lovell, Haise
CMS #2 - Mattingly
KC-135 - Young
Geology - Lovell, Haise
Checklist Review - Mattingly

Thursday
March 12

CMS #2 - Prime crew plus Swigert
LMS #2 - Lovell, Haise, Young, Duke
SCS Briefing - Mattingly, Young, Swigert
MESA Bench Check - Lovell, Haise

Friday
March 13

LLTV - Lovell (2 flights aborted during
sim mode)
DCPS - Lovell, Mattingly
CMS #2 - Swigert
LMS #2 - Young, Duke
Press Conference Review - Prime Crew
Entry Simulator - Mattingly
Tunnel Exercise - Lovell, Mattingly

Saturday
March 14

Press conference - Prime crew
LLTV (2 flights) - Lovell

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APOLLO 13 FINAL CREW TRAINING SUMMARY

As of April 11, 1970

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ASTRONAUTS

LOVELL

MATTINGLY

HAISE

YOUNG

SWIGERT

DUKE

PLANNED
HOURS

CSM SYS BRIEF

DOCKING

ECS

EPS

G&C

Prop & RCS

SECS

COMM

Crew SYS

CM SIMULATORS

CMS

CMPS

DCPS

ME

Centrifuge

SIM Brief

Entry Sim

ALT Chbr

Docking

Flt Readiness

Countdown Demo

CCFF

LM SYS BRIEF

COMM

CES

ECS

EPS

Instru entation

Radar

Prop & RCS

AGS

LM SIMULATORS

LMS

LMPS

MIT Hybrid

TDS

FMES

Sim Brief

32

122

132

126

142

52

181

2

77

5 + 00

5 + 00

10 + 45

4 + 00

3 + 00

4 + 00

1 + 00

3 + 00

7 + 00

8 + 00

2 + 00

4 + 00

6 + 00

2 + 00

5 + 15

7 + 30

176 100

174 + 25

581 + 20

166 + 40

107 + 00

610 + 40

126 + 00

185 15

67 + 05

117 + 40

67 6

10 + 35

22 + 40

5 + 20

12 + 15

16 + 00

55-

54 + 55

59 10

6 + 30

21 + 00

5 + 30

4 + 30

8 + 30

12 + 30

40

19 + 00

21 + 05

84 16

14 + 00

14 + 00

14 + 00

14 + 00

14 + 00

14 + 00

120 4

101 58

198

364

6 + 00

6 + 00

6 + 00

3 + 00

6 + 00

6 + 00

6 + 00

6 + 00

6 + 00

6 + 00

112

2 + 00

3 + 00

3 + 00

3 + 00

3 + 00

136 345

1 + 20

1 + 15

12 + 30

21 + 00

142

1 + 30

1 + 30

8 + 30

2 + 30

162

1 + 30

1 + 30

4 + 45

8 + 00

62

1 + 00

2 + 00

8 + 00

9 + 00

205

5 + 00

5 + 00

11 + 00

11 + 00

322

36

5 + 00

5 + 00

3 + 00

3 + 00

3 + 00

1509 130

306 + 10

361 + 35

435 + 10

406 + 50

101 15

5 + 30

16 + 00

24 + 45

39 + 45

-

9 3

2 + 30

2 + 30

1 + 00

2 + 00

1 + 00

7 -

4 + 00

6 + 30

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14 10

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APOLLO 13 FINAL CREW TRAINING SUMMARY As of April 11, 1970

-2-

ASTRONAUTS		LOVELL	MATTINGLY	HAISE	YOUNG	SWIGERT	DUKE
	PLANNED HOURS						
LM TESTS							
ALT Chbr	130 16	14 + 00		20 + 00	19 + 00		13 + 00
Flt Readiness	128	4 + 00		4 + 00	2 + 00		2 + 00
CCFF	364	9 + 00		9 + 00	9 + 00		9 + 00
Alsep CFF	304	6 + 00		10 + 30	7 + 30		7 + 30
LV Brief	404	7 + 30	7 + 30	7 + 30	7 + 30	5 + 30	5 + 30
G&N Programs	28020	21 + 00	80 + 00	21 + 00	17 + 00	74 + 00	17 + 00
Photography	268	4 + 00	11 + 30	4 + 00	1 + 00	4 + 00	1 + 00
EMU Brief	16-	3 + 00		3 + 00	5 + 00		5 + 00
Lunar Topography							
Reviews	110	22 + 00	29 + 00	22 + 00	12 + 00	11 + 00	14 + 00
PROCEDURES							
Checklist	62 25	8 + 00	40 + 00	14 + 00			
Mission Techniques	40 173	28 + 00	41 + 00	37 + 00	25 + 00	28 + 00	14 + 00
Mission Rules	10 10	3 + 30	3 + 30	3 + 30			
Flight Plan	122 25	32 + 00	32 + 00	32 + 00	10 + 00	9 + 00	7 + 00
ZERO G (EVA)							
Walkthroughs	50 6	11 + 00	16 + 00	12 + 30	2 + 30	6 + 00	2 + 30
WIF/Zero A/C	15 3	5 + 00	5 + 00	5 + 00			
EMU C/O (OFF NOMINAL)	10 24	6 + 00		6 + 00	6 + 00		6 + 00
Egress Training	56 8	11 + 00	13 + 00	11 + 00	7 + 00	7 + 00	7 + 00
S/C Fire	3 6		1 + 00			1 + 00	1 + 00
Bench Checks	32 8	8 + 00	7 + 00	6 + 30	3 + 00	4 + 30	3 + 00
Stowage	32 20	4 + 00		7 + 00	16 + 00	1 + 00	4 + 00
Planetarium	14 -	2 + 00	8 + 00	4 + 00			
LLTV System	8				8 + 00		
LLTV Sim	62 20	6 + 15			7 + 45	(LLRF)	6 + 00
LLTV C.O.	34	20 + 00	(LLRF)	6 + 00	8 + 00		
LLTV Prof.							
Medical	24 -	4 + 00	4 + 00	4 + 00	4 + 00	4 + 00	4 + 00
LUNAR SURFACE							
Briefings	294 65	58 + 30	61 + 00	63 + 30	42 + 00	27 + 00	42 + 00
Field Trips	510 75	150 + 00		120 + 00	120 + 00		120 + 00
Simulations	481 107	132 + 30		148 + 00	98 + 00		102 + 30
Total	1285	877	1096 + 45	1187 + 20	1089 + 40	1049 + 05	1090 + 05

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LLTV flights not properly recorded. Lovell accomplished

12 flights and Young 18

gms

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APOLLO 13 FINAL CREW TRAINING SUMMARY

AS OF APRIL 11, 1970

<u>DAY & DATE</u>	<u>ACTIVITY</u>
Sunday March 15	Travel to Flagstaff - Briefings on Crater Field - Lovell, Haise, Young, Duke
Monday March 16	EVA #2 Simulation - Flagstaff - Lovell, Haise, Young, Duke CMS #2 - Mattingly CMPS (Entry Simulator, Tunnel Exer. - Swigert
Tuesday March 17	CMS #2 (TLI Sim) - Both crews LMS #2 - Lovell, Haise, Young, Duke Lunar Topo Study - Prime crew
Wednesday March 18	CMS #2 (LOI Sim) - Both crews LMS #2 (LOI Sim) - Both Crews EVA Prep/Post - (1 man) - Lovell, Haise EVA #1 Prep/Post - Young, Duke
Thursday March 19	CMS #2 - Both crews LMS #2 - Young, Duke Booster Brief - Prime crew MIT Brief - Mattingly
Friday March 20	CMS #2 (Entry Sim) - Prime crew CMS/LMS Rndz. Sim - Backup crew EVA #2 Prep/Post - Backup crew
Saturday March 21	CMS #2 - Mattingly EVA #1 - Lovell, Haise
Sunday March 22	Lunar Topo Study - Mattingly
Monday March 23	CMS #2 - Mattingly LMS #2 - Lovell, Haise, Duke LLTV - Young SPS Brief - Duke EVA #1 Prep/Post - Lovell, Haise
Tuesday March 24	CMS #2 - Prime crew + Swigert LMS #2 - Duke (CES Brief, Duke) EVA #2 - Lovell, Haise LLTV - Young

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APOLLO 13 CREW TRAINING SUMMARY

PAGE 2

DAY & DATE

ACTIVITY

Wednesday
March 25

CMS #2 - Both crews
CMS #3 - Swigert
IMS #2 - Young, Duke, Lovell, Haise

Thursday
March 26

CMS #2 - Swigert, Duke
IMS #2 - Young, Duke
CDDT - Prime Crew
Program Notes Review - Prime crew

Friday
March 27

Physicals - Prime crew
Final systems review - Prime crew
CMS #2 - Mattingly
IMS #2 - Lovell, Haise
LLTV - Young
CMPS - Swigert

Monday
March 30

CMS #2 - Prime crew, Swigert
Flight Plan Review - Prime crew, Duke
Systems review - Mattingly
IMS #2 - Lovell, Haise, Young, Duke
EVA #1 Prep/Post - Young, Duke

Tuesday
March 31

CMS #2 - Backup crew
Descent Sim - IMS - Prime crew
IM Bench Check - Lovell, Haise

Wednesday
April 1

CMS - All but Haise
IMS - All IM crewmen
CM Bench Check - Lovell, Mattingly
KC-135 - Haise

Thursday
April 2

CMS/IMS (Ascent Sim) - All
EVA #1 Prep/Post - Lovell, Haise
Lunar Topo - Prime crew + Duke
KC-135 - Young
IM Inst Briefing - Duke

Friday
April 3

LOI/DOI Sim Briefing - Prime Crew
IMS - Duke
LLTV - Young

Saturday
April 4

EVA #2 - Lovell, Haise

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<u>DAY & DATE</u>	<u>ACTIVITY</u>
Monday April 6	CMS #2 (Launch Sim) - All F-5 Physicals - Prime crew IMS #2 - Young Measles - Duke
Tuesday April 7	CMS/IMS - IM Activation, Descent Sim - Prime crew IMS - Young
Wednesday April 8	Drill Exercise - Lovell CMS - Prime crew IMS - Lovell, Haise, Young
Thursday April 9	CMS - Lovell, Swigert, Haise IMS - Lovell, Haise
Friday April 10	CMS/IMS - Lovell, Haise, Swigert
Saturday April 11	Launch

Prepared by: M. S. Brzezinski, Jr.
M. S. Brzezinski

APOLLO 13
ACTIVITY PLANNING GUIDE

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AUGUST 8, 1969

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Aug. 10	11	12	13	14	15	16
	CMS #3 - 5 9:00-1700 IMS #2 - 4,6 0900-1700 Suit Fit-MSC -6 1,2 LEAVE	CMS #3 - 5 0900-1700 IMS #2 - 4,6	Party in L.A.	Griffith Planetarium- 2 0900-1430	IMS #2 - 4,6 0900-1700 ALSD - 3-1330	
17	18	19	20	21	22	23
	CMS #2 - 2&5 -0900-1700 Suit Fit-ILC-2 0900 1 - LEAVE	Suit Fit-ILC-3 Bench Check-2 1300		Close-Out Crew Trng - BCMP CMPS - 2 DCPS - 2		
24	25	26	27	28	29	30
	CMS #1 - 0900-1700 IMS #1 - 0900-1700 LLTV Sim - 1 PAO-TV 1300	LLTV - 1 0800-1700	CCFF-CM - 0800 ALL Suit Fit-MSC-1 IM Bench Checks 1600	S.L. Alt Chbr. CM - 1,2,3 CMS #1 IMS #1	S.L. Alt Chbr CM - 4,5,6	
31	Sept. 1	2	3	4	5	6
	LABOR DAY CMS #1	IM-CCFF 1,3,4,6 CMS #1	S.L. Alt Chbr IM - 1,3 IMS #1	S.L. Alt. Chbr IM-4,6 LLTV - 1	Unmanned Alt. Chamber - CM LLTV - 1	
7	8	9	10	11	12	13
			Alt Chamber CM - 1,2,3		Alt Chamber CM - 4,5,6	
	CMS #1 IMS #1					

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Prepared by:

M. S. Brzezinski, Jr.

APOLLO 13

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ACTIVITY PLANNING GUIDE

August 15, 1969

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
August 17	18 CMS #2 - 0900-1700 (5) Suit Fit ILC-2 Geology-13-15 (3 & 4) 1 - Leave	19 (All) Bench Check-CM @KSC - 1300 (All)	20 (2,4,5,6) Suit Fit-IIC (3)	21 BCMP-0730 (5,6) (4,5,6) DCPS-0830-1200 (2 & 3) CMPS-1300-1700 (2)	22 MPAD Brief- 0830-1200 (All) CSM RID Brief- 1300-1700 2 & 5	23
24	25 CMS #1-900-1700 LMS #1-900-1700 Sim - 1700 PAO-TV- (2,3) Team Mtg. (All)	26 Mockup Egress CM (2,6)	27 C ² F CM-0800 (All) Suit Fit KSC-1 LM Bench Check 1600	28 S.L.Alt. Chamber CM - (1,2,3) CMS #1-900-1700 CMS #1-900-1700	29 S.L.Alt. Chamber CM (4,5,6)	30
31	Sept. 1 Labor Day	2 LM-C ² F ² (1,3,4,6) CMS #1	3 S.L.Alt. Chamber LM (1,3) LMS #1	4 S.L.Alt. Chamber LM (4,6) LLTV - 1	5 Unmanned Alt. Chamber - CM LLTV - 1	6
7	8 ALSEP - PI's 0900-1300(1,3,4,6) CMS #1 LMS #1	9 ALSEP Systems 0900-1300 (1,3,4,6)	10 Alt. Chamber CM - (1,2,3)	11	12 Alt. Chamber CM - (4,5,6)	13
14	15 Unmanned Alt. Chamber - LM CMS #1 LMS #1	16	17 Alt. Chamber LM - (1,3)	18	19 Alt. Chamber LM - (4,6)	20

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SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
August 31	Sept. 1	2	3	4	5	6
	LABOR DAY	CMS #1-830-1700 (2,6) LMS #1-830-1700 (4,6,1,3) Geology(1,3)930	CMS #1-830-1700 (1,2,3,4,6) LMS #1-830-1700 (4,6,1,3) CMPS (2)-1300	CMS #1-830-1700 (2,6) LMS #1-830-1700 (4,6,1,3) CMPS (2)-1300	LM CCFF @ KSC (1,3,4,6) CMS #1-830-1230 DCPS-1330-1600	(2) (2)
	Leave (5)	Photo-1400 (2)		LMPS (4,6) 1300	→	
7	8	9	10	11	12	13
	LM S.L. Alt. Chamber (1,3) CMS #1-830-1700 (2,5) LMS #1-830-1700 (4,6)	LM S.L. Alt. Chamber (4,6) CMS #2-830-1700 (1,2,3,5)	CM Alt. Chamber (1,2,3) CMS #1-830-1700 (5) LMS #1-830-1700 (4,6)	CMS #1-830-1700 (2,5) LMS #1-830-1700 (1,3,4,6)	CM Alt. Chamber (4,5,6) CMS #1-830-1700 (2) LMS #1-830-1700 (1,3)	
14	15	16	17	18	19	20
	ALSEP - PI's 0900-1300(1,3,4,6) CMS #1 LMS #1	LM Unmanned Alt. Chamber ALSEP Systems 0900-1300(1,3,4,6)		LM Alt. Chamber (1,3)	→	
21	22	23	24	25	26	27
	LM Alt. Chamber (4,6) CMS #1 LMS #1				→	
28	29	30	Oct. 1	2	3	4
	Geology Field Trip (1,3,4,6)				→	

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 ACTIVITY PLANNING GUIDE

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SEPTEMBER 5, 1969

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Sept. 7	8 SL Alt. Chbr-1,3 LM 0700-suitup CMS #2-0900-1700 (2,5) LMS #1-0900(4,6) MIT Br.-1330 (2)	9 SL Alt. Chbr-4,6 LM -0700 suitup CMS #2-0900-1700 (2,5) LMS #2-0900-1700 MIT Br. -(5)	10 CM Alt. Chbr. (1,2,3) CMS #2-0900 (5) LMS #2-0900-1700 (4,6)	11 CMS #2-0900-1700 (2,5) Tindall mtg. 0830-(1,3) LMS #2-0900-1700 (1,3)	12 CM Alt. Chbr. (4,5,6) CMS #1-0900-1300 (2) LMS #1-0900-1700 (1,3) Lunar Map Brief 1500 (2)	13
14	15 ALSEP PI Brief. 0900-1300 (1,3,4,6) CMS #1-0900-1700 2,5	16 ALSEP Systems 0900-1300 (1,3,4,6) CMS #1-0900-1700 2,5	17 Rndz. Brief. (2,3,5,6) 0830-1200 Entry Simulator 1300-1700(2,5)	18 LM Alt. Chbr. (1,3) LMS #1 -4,6 CMS #1-0900-1700 (5,2)	19 Nav. Brief. 0830 - (2) CMS #1-0900-1700 (5,2)	20
21	22 LM Alt. Chbr. (4,6) LMS #1-(1,3) CMS #1 (2,5)	23 Lunar Drill Ex. (1,3,4,6) LMS #1-(1,3,4,6)	24 Geology Field Trip	25 ip, (California)	26 (1,3,4,6)	27
28 Geology Field Trip	29 CMS #1 (2,5)	30 1,3,4,6	Oct. 1	2	3 LMS #1(1,3,4,6)	4
5	6 LMS #1 CMS #1	7 Geology Field Trip Idaho	8	9 (1,3,4,6)	10	11

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Lloyd Reeder
Lloyd ReederAPOLLO CREW
ACTIVITY PLANNING GUIDE

September 12, 1969

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Sept. 14	15	16	17	18	19	20
	See attachment for details ALSEP 1,3,4,6 CMS #1 (2,5) DCPS (2) Geology (1,3,6)	ALSEP 1,3,4,6 CMS #1 (2,5) LMPS (4,6) CMPS (5) LM-7 Br(1,3,4,6)	CM Alt. Chamber (4,5,6) LMS #1 (1,3) Rendz Br. (1,2,3) Reentry Sim (2)	LM Alt. Chamber (1,3) CMS #1 (2,5) LMS #1 (4,6) CMPS (2)	LMS #1 (1,3,4,6) CMS (2) LMPS (4,6)	
21	22	23	24	25	26	27
	LM Alt. Chamber (4,6) LMS #1 (1,3) CMS #1 (2,5)	Tindall Meeting Apollo 13 (General)	Geology Field Trip CMS #1 (2,5)		(1,3,4,6)	
28	29	30	October 1	2	3	4
Geology Field Trip		(1,3,4,6)		Weber Seat W Swing (4) IMS #1 (3,6)	Tank Egress (2,5,6)	
	MIT CM Programs	Briefing (2,5)	(At MIT)			
5	6	7	8	9	10	11
		ALSEP CCFF	Geology Field Trip		(1,3,4,6)	
	CMS #1 (2,5)					
12	13	14	15	16	17	18
	LLTV Systems (4)	LLTV Sys. (4)				
	LMS #1					
	CMS #1					

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Lloyd Reeder

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APOLLO 1 CREW ACTIVITY PLANNING GUIDE

SEPTEMBER 19, 1969

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Sept. 21 MONDAY Pilots Mtg. 1000 Geology (1-3) Drill Ex-1300 (1,3)	22 CMS #1-1000 (5) 1300 (2) DCPS-1300 (5) LM Alt. Chbr. 4-6 0630	23 Tindall Mtg. Rm. 378/0900 All 0800-Food Lab (3)	24 Geology Field Trip (1,3,4,6) CMS #1-0900 (5) 1300 (2) Tunnel Ex-0900(2) Reentry Sim 1300 (5)	25 Nav. Br. 0900(2) CMS #1-0900 (5) 1300 (2) CMPS-1300 (5)	26 CMS #1-0900 (5) PUGS Br.-1000 (2) CMPS-1300 (5) CMS #1-1300 (2)	27
28 Geology Field	29 Trip (1,3,4,6) CMS #1 (5) MIT (2)	30	Oct. 1	2 Weber Seat Swing (4) LMS #1 (3-6)	3 LMS #1(1,3,4,6) DCPS (4-5) CMPS (2) ALSEP Ex. (1,3) Tank Egress (2,5,6)	4
5	6 ALSEP Ex (4,6) LMS #1 CMS #1	7 ALSEP CCFF	8 LLRF (4)	9	10	11
12	13 LLTV Systems (4) CMS #1 LMS #1	14	15	16	17	18
19	20 CMS #1 LMS #1	21 Booster Brief All	22	23	24 Field Trip (1,3,4,6)	25

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ACTIVITY PLANNING GUIDE

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|--------------|------------|
| 1. Lovell | 4. Young |
| 2. Mattingly | 5. Swigert |
| 3. Haise | 6. Duke |

September 26, 1969

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Sept. 28	29	30	October 1	2	3	4
	MIT Field Trip	(1,3,4,6)	(2,5)	Weber Seat Swing (4) IMS 0900 (3,6) Drill exer. 1300 (6)	CMS 0900 (5) 1300 (2) IMS 0900 (3,6) 1300 (3) S-band & lunar tool ex. (6) 1300 RDP 0900 (4)	
5	6	7	8	9	10	11
	ALSEP deployment 0900 (3,4,6) LMS #1 CMS #1	DCPS 1300 (4,5)	LIRF (4) DCPS 1300 (1,2)	LIRF (4)	ALSEP CCFF TDS (2)	
12	13	14	15	16	17	18
	LLTV systems (4) CMS #1 LMS #1	LLTV Systems (4) ALSEP deployment (1,3)				
19	20	21	22	23	24	25
		Booster brief (all)	ALSEP deployment (4,6)		Flagstaff (1,3,4,6)	
	CMS #1 LMS #1					
26	27	28	29	30	31	November 1
	EMU briefing (1,3,4,6) CMS #1 LMS #1	SESL dry run (3)	SESL dry run (1)	EMU training SESL (3)	EMU tng. SESL (1)	

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|--------------|----------|------------|
| 1. Lovell | 3. Haise | 5. Swigert |
| 2. Mattingly | 4. Young | 6. Duke |

October 3, 1969

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
October 5	6	7	8	9	10	11
See Attachment For Details	ALSEP 3-4-6 CMS 5 CMPS 2 LMS 4-6 LMPS 3	Geology 1-3 CMS/LMS 1-2-3 TDS 2 LMPS 6 LMS 4-6 DCPS 4-5	Geology 6 CMS/LMS 1-2-3 DCPS 1-2 LMS 4-6 CMS 5 LLRF 4 Reentry Sim. 5	LMS 1-3-6 CMS 2-5 PGS 6 Geology 1-3 LLRF 4 CMPS 2	ALSEP CCFE 1-3-4-6 Geology 2-5 CMS 5 CMPS 2	
12	13	14	15	16	17	18
	LLTV Systems (4)	LLTV Systems (4)	LLTVS (4)	ALSEP deploy (1-3) LLTVS (4)	LLTVS (4)	
19	20	21	22	23	24	25
		Booster briefing All	ALSEP deploy (4-6)	Suit Fit-Dover (6)	Flagstaff 1-3-4-6	
26	27	28	29	30	31	November 1
	EMU briefing 1-3-4-6	SESL Dry Run (3) Suit Fit -Dover (4)	SESL Dry Run (1)	EMU Training SESL (3)	EMU Training SESL (1)	
2	3	4	5	6	7	8
			SESL-Altitude(3)	SESL-Altitude(1)		

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Monday, October 6

Lovell	Leave		
Haise	0900	ALSEP deployment	Room 261A
	1300	LMPS	
Mattingly	0900	SCS briefing	Sim. briefing room
	1300	CMPS CSI-40 NO VHF	
Young	0900	ALSEP deployment	Room 261A
	1230	LMS #1	
Duke	0900	ALSEP deployment	
	1230	LMS #1	
Swigert	0900	SCS briefing	Sim. briefing room
	1300	CMS #1 (SCS)	

Tuesday, October 7

Lovell	0900	Field trip review	
	1300	LMS integrated - Apollo 12 descent/landing	
Haise	Same as Lovell		
Mattingly	0830	CSM Rndz Checklist review	Office
	0930	TDS	
	1300	CMS Integrated - Apollo 12 descent	
Young	0900	LMS	
	1300	DCPS	
Duke	0900	LMS	
	1300	LMPS	
Swigert	0900	CMS	
	1300	DCPS	

Wednesday, October 8

Lovell	0900	LMS Integrated Ascent Rndz	
	1400	DCPS	
Haise	0900	LMS Integrated Ascent Rndz	
	1300	LMS	
Mattingly	0900	CMS Integrated Ascent/Rndz	
	1400	DCPS	
Young	LIRF	Langley	
Duke	0900	Geology - Field trip review	
	1300	LMS #1	
Swigert	0900	Reentry simulator	
	1300	CMS #1	

Thursday, October 9

Lovell	0800	Radar brief	
	0900	LMS #1	
	1400	Orbital geology	Room 396
Haise	Same		
Mattingly	0900	CMS #1	
	1300	CMPS	
Young	LIRF		
Duke	0900	POGO exercise shirtsleeve	
	1300	LMS	
Swigert	0900	G&N briefing	
	1300	CMS #1	

Friday, October 10

Lovell, Young 0800 ALSEP CCFF

Haise, Duke

Mattingly 0900 Orbital geology

Room 396

1300 CMPS

Swigert 0900 Orbital geology

Room 396

1300 CMS

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APOLLO CREW ACTIVITY PLANNING GUIDE

1. Lovell 3. Haise 5. Swigert
2. Mattingly 4. Young 6. Duke

October 10, 1969

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
October 12	Pilots Mtg-All TV Camera (2) 13 Geology (3) CMS (2,3,5,6) LLTV Systems (4) LMPS - (4,6) CMPS - (5) Docking Film (2)	14 MIT Brief (2,5) LMS - (1,3,4,6) LMPS (1,3) LLTV Systems (4) Geology - (6)	15 CMPS (5) LMS (1,3,4,6) TDS - (1) Geology (1,3) CM Rescue Br(2) CMS - (2,5) Photo Br (4,6) LLTV Sim (4)	16 Geology (1,3) LMS (1,3,6) Photo Br- (1,3) CMS - (2,5) CMPS - (2) LLRF - (4) Drill Exer (6) CM Rescue Br(5)	17 Flight Plan Review - All	18
19	20 LMS #1 (1,3,4,6) CMS #1 (2,5) CMPS	21 Booster briefing - All	22 ALSEP deployment (1,3) LMS #1	23	24 Flagstaff (1,3,4,6)	25
26	27 EMU Briefing (1,3,4,6)	28 SESL dry run (3)	29 SESL dry run (1)	30 EMU training SESL (3) Suit Fit - (6)	31 EMU training SESL (1)	November 1
2	3 CMS #1 LMS #1	4	5 SESL Altitude (3)	6 SESL Altitude (1)	7	8
9	10	11 Field Trip (1,3,4,6)	12 Suit Fit 2 (4) Descent CF	13 LMS #2 CMS #2	14 Apollo 12 Launch	15

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APOLLO 13 CREW TRAINING SCHEDULE

Monday, October 13

Lovell	Leave		
Haise	0830	Pilots Meeting	
	1000	Geology	Building 31
	1300	CMS #1	
Mattingly	0830	Pilots Meeting	
	1030	TV camera brief	Room 396
	1130	Docking film	TDS viewing room
	1300	CMS #1	
Young	0830	Pilots meeting	
	1000	LLTV Systems	LLTV area
	1300	LMPS	
Duke	0830	Pilots meeting	
	1000	CMS #1	
	1300	LMPS	
Swigert	0830	Pilots meeting	
	1000	CMS #1	
	1300	CMPS	

Tuesday, October 14

Lovell	0900	LMS #1	
	1300	LMPS	
Haise	Same		
Mattingly	0900	MIT briefing	Room 396
Young	0800	LLTV Systems	LLTV area
	1330	LMS #1	
Duke	0900	Geology	Building 31
	1330	LMS #1	
Swigert	0900	MIT briefing	Room 396

Wednesday, October 15

Lovell	0900	LMS #1	
	1300	TDS	
	1500	Geology	Building 31
Haise	0900	LMS #1	
	1500	Geology	Building 31
Mattingly	0900	CM Rescue brief (Mosel)	Room 396
	1300	CMS #1	
Young	0800	LLTVS	
	1000	Photo brief	Building 4, Photo Lab
	1300	LMS #1	
Duke	1000	Photo Equip brief	Building 4, Photo Lab
	1300	LMS #1	
Swigert	0900	CMS #1	
	1300	CMPS	

Thursday, October 16

Lovell	0900	LMS #1	
	1300	Geology	Building 31
	1500	Photo brief	Building 4, Photo Lab
Haise	0900	LMS #1	
	1300	Geology	Building 31
	1500	Photo brief	Building 4, Photo Lab
Mattingly	0900	CMS #1	
	1300	CMPS	
Young	0900	LLRF at Langley AFB, Va.	
Duke	0900	Drill exercise	
	1300	LMS #1	
Swigert	0900	CM Rescue Brief (Mosel)	Room 396
	1300	CMS #1	

Friday, October 17

All	0900 -		
	1700	Flight Plan Review	Building 4, Room 396

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L. Reader

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ACTIVITY PLANNING GUIDE

 1. Lovell 3. Maise 5. Swigert
 2. Mattingly 4. Young, 6. Duke

OCTOBER 17, 1969

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Oct. 19	20	21	22	23	24	25
	Camera Br. (5) CMPS (2) CMS (2,5) LMS (1,3,4,6) Geo (1,3,4,6) SESL, PLSS fit (1,3) TV Cam - (3)	Saturn V Br.-All	AISEP Deploy (1,3) LMS(1,3,4,6) Entry Sim (2) Geo (4,5,6) CMS (2,5)	LMS (1,3,4,6) CMS (2,5) Geo (1,2,3) LMPS (4,6) DCPS (5)	Geology Field Trip(1,3,4,6) CMS (2,5) CMPS (5) Photo Br. (2)	
26	27	28	29	30	31	Nov. 1
	EMU Br (1,3,4,6) CMS #1 and LMS #1	SESL Dry Run (3)	SESL Dry Run(1)	EMU Training SESL (3) Suit Fit (6)	EMU Training SESL (1)	
2	3	4	5	6	7	8
	Drill Exercise Suited (4,6) CMS #1/LMS #1	Lunar Site Geology LM Alt.Chbr. (3,4)	SESL Altitude T/V (1)	SESL Altitude T/V (3)		
9	10	11	12	13	14	15
		Field Trip (1,3,4,6)	Suit Fit (4) KC-135 @ KSC Descent Stage CCFF		Apollo 12 Launch	
16	17	18	19	20	21	22
					Landing Gear Install - AISEP	

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APOLLO 13 CREW TRAINING

Monday, October 20

Lovell	0800	Radar Brief	LMS
	0900	LMS #1 - Descent- Radar	
	1300	Fit Ck for SESL	Bldg. 32/Suit Rm.
	1500	Geology	Bldg 31
Haise	0900	LMS #1 Descent-Radar	
	1300	TV Camera Brief	Office
	1400	Fit Ck for SESL	Bldg. 32/Suit Rm.
	1500	Geology	Bldg. 31
Mattingly	0900	CMS #1 - SCS	
	1300	CMPS	
Young	0900	Geology	Bldg. 31
	1230	CES Brief	LMS
	1330	LMS #1 - Descent-CES	
Duke	0900	Geology	Bldg. 31
	1330	LMS #1 - Descent-CES	
Swigert	0900	Photo Brief	Bldg. 4/Optics Lab
		Boot Strap & Landing Site S-158	
	1300	CMS #1-SCS Review/Malf.	

Tuesday, October 21

Lovell	0900-1700	Saturn V Booster Br.	Bldg. 4/Rm. 378
Haise			
Mattingly			
Young			
Duke			
Swigert			

Wednesday, October 22

Lovell	0900	AISEP Deploy	Bldg. 9/Hi-Bay
	1330	LMS #1 PDI Abort	
Haise	0900	AISEP Deploy	Bldg 9/Hi-Bay
	1330	LMS #1-PDI Abort	
Mattingly	0930	Entry Simulator	Bldg. 30
	1300	CMS #1 - SCS Control	
		Mode Malf.	

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Wednesday, October 22 (cont)**FOR NASA INTERNAL USE ONLY**

Young	0900	LMS #1 - Cont. C/L	
	1300	Geology-lunar geography (USGS)	Bldg. 4/Library
Duke	0900	LMS #1 - Cont. C/L	
	1300	Geology - lunar geography (USGS)	Bldg. 4/Library
Swigert	0900	CMS #1 - computer/hardware (Power up and power down)	
	1300	Geology-lunar geography	Bldg. 4/Library

Thursday, October 23

Lovell	0900	Geology-lunar geography (USGS)	Bldg. 4/Rm 396
	1230	CES Briefing	LMS
	1330	LMS #1 - Descents-CES	
Haise	0900	Geology-lunar geography	Bldg. 4, Rm. 396
	1230	CES Briefing	LMS
	1330	LMS #1 - Descents-CES	
Mattingly	0900	Geology-lunar geography	Bldg. 4, Rm. 396
	1300	CMS #1 - Counter & channel malf. & improper initialization	
Young	0900	LMS #1 - Ascents	
	1300	LMPs	
Duke	0900	LMS #1-Ascents	
	1300	LMPs	
Swigert	0900	CMS #1-Computer/software (verbs, nouns, auto pilots)	
	1300	DCPS	

Friday, October 24

Lovell		Flagstaff Geology Trip	
Haise			
Young			
Duke			
Mattingly	0900	Photo Brief	Bldg. 4/Optics Lab

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Apollo 13 crew training continued:

Page 3

Mattingly 1300

(Boot Strap & Landing site S-158)
CMS #1 IMU & Optic Malf.

Swigert 0900

CMS #1 (Inertial subsystems IMU
gimble angle)

1300

CMS

Prepared

Lloyd Reeder, 5595

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APOLLO 12 CREW

ACTIVITY PLANNING GUIDE

1. Lovell 3. Haise
2. Mattingly 4. Young5. Swigert
6. Duke

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Oct. 26 See attachment for details	27 EMU Br - (1,3) IMS-4,6 CMS-2,5,6 LMPS-6 CMPS-5 Tindall Mtg-4	28 IMS-1,3,4,6 CMS-5,6 CMPS - 2 LLTVS-1,4 Nav Br.-5 SESL-3	29 SESL - 1 IMS-1,3,4,6 CMS-2,5 LMPS-4,6 CMPS-5 DCPS-2	30 IMS - 1 Rndz Br - All Fire Tng-2,5,6 SESL-3	31 SESL - 1 IMS-1,3,4,6 CMS-DCPS - 5 CMPS-2 TDS-2 LMPS-4,6	Nov. 1 AISEP Deployment Shirtsleeve 1,3-0900
2	3 Suit Fit-6 LLRF - 4 IMS/CMS	4 IM Alt Chbr 3,4	5 SESL T/V (1) AISEP Deploy 4,6	6 SESL T/V (3)	7 Soil Mechanics Lect-1,3,4,6 →	8
9	10 AISEP 1,3 CMS #2	11 Field Trip El Paso 1,3,4,6	12 Descent Stage CCFF-1,3,4,6 KC-135 -3 IMS #2	13 EVA Prep 1,3 KC-135-1 →	14 Apollo 12 Launch	15
16	17 Suit Fit (4) CMS #1 IMS #1	18 Apollo 12 Lunar Activity	19	20	21 AISEP Closeout →	22
23	24 CMS #2/IMS #2	25	26	27 HOLIDAY	28	29

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APOLLO 13 CREW TRAINING ACTIVITIES

MONDAY, October 27

Lovell	0800	Drug Test
	0900	EMU Brief - Bldg 7A, Rm. 130
	1200	PLSS Strap Fit
	1330	IMS DOI/PDI/TD
Haise	0900	EMU Brief
Mattingly	0800	Drug Test - Dispensary
	1330	CMS-TEI/G&N Malfunctions
Young	0900	Tindall Mtg. - Rm. 261, Bldg. 4
Duke	0830-1200	CMS (ECS)
	1300	IMPS
Swigert	0830-12	CMS (SCS)
		Power dist. and logic bus malf.
	1300	CMPS

TUESDAY, October 28

Lovell	0900	LLTVS
	1330	LMS-Surface C/L & Ascent
Haise	0800	SESL (dry run)
	1330	IMS
Mattingly	0830	CMS (TLI/TD&E/G&N Malf.
	1300	CMPS
Young	0800	Drug Test
	0900	IMS Surface C/L & Ascent
	1300	LLTVS
Duke	0800	Drug Test
	0900	IMS
	1330	CMS
Swigert	0800	Drug Test
	0900	Nav. Brief, Rm. 396
	1330	CMS-TEI/G&N Malf.

WEDNESDAY, October 29

Lovell	0800	SESL (dry run)
	1330	IMS Rndz.

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Haise	0800	Drug Testing
	1330	LMS Rndz.
Mattingly	0800	Reentry Sim
	1000	DCPS-Iaunch & Launch Aborts
	1330	CMS-TLC/MCC G&N Malf.
Young	0900	LMS-Rndz
	1300	IMPS
Duke	Same as Young	
Swigert	0830	CMS-TLI/TD&E - G&N & assoc. sys. malf.
	1300	CMPS

THURSDAY, October 30

Lovell	0900	IMS-General Malf.
	1300	Rndz. Brief. Rm. 396
Haise	0730	EMU Trng. - SESL
	1300	Rndz. Br. Rm. 396
Mattingly	0800	Fire Trng. Rm. 396
	1300	Rndz. Brief, Rm. 396
Young	0900	Rndz. Br. Rm. 396
	1300	Rndz. Br. Rm. 396
Duke	0800	Fire Trng.
	0900	Rndz. Br. Rm. 396
Swigert	0800	Fire Trng. Rm. 396
	0900	Rndz. Br. Rm. 396
	1300	" " "

FRIDAY, October 31

Lovell	0730	SESL EMU Trng.
	1330	IMS PDI Aborts & Landings
Haise	0900	Navigation Br. (recursive nav)
	1330	IMS-PDI Aborts & Landing
Mattingly	0800	ASPO Mtg.
	0930	TDS
	1300	CMPS

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Young	0900	LMS-PDI Aborts & landings
	1300	LMFS
Duke	0900	LMS
	1300	LMFS
Swigert	0830	CMS G&C Malf.
	1330	DCPS - Launch Aborts
	1530	Bootstrap Photography-Swigert's Office

FOR NASA INTERNAL USE ONLY(1) Lovell (4) Young
(2) Mattingly (5) Swigert
(3) Haise (6) Duke**FOR NASA INTERNAL USE ONLY**APOLLO 13 CREW
ACTIVITY PLANNING GUIDE

October 31, 1969

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Nov. 2	3	4	5	6	7	8
	LMS 1-3 Suit Fit 6 LIRF 4 CMS 2-5 CMPS 2	LMS 1-6 CMS 5-6-1-2 CMPS 5 LM Alt. Chbr 3-4	LMS 4-6-1-3 CMS 2-5 LMPS 4-6 SESL 1 Entry Sim 5 CMPS 2	LMS 4-6-1-3 TDS 1 LITVS 1 SESL 3 CMS 2-5 CMPS 2 ALSEP 4-6 DCPS 4-5	Geology 1-3-4-6 TDS 5 CMPS 5	
9	10	11	12	13	14	15
	LMS #1 4-6 LMPS 1-3 CMS #1 2-5 CMPS 5	Field Trip 1-3-4-6 Holiday	CMS #1 2 CMS #2 1-3-4-5-6 KC-135 (3)	CMS #2 All EVA Prep 1-3 KC-135 1	Apollo 12 Launch	CMS #2 LMS #2 ?
16	17	18	19	20	21	22
	CMS #2 → LMS #2 →		Apollo 12 Landing - Rendezvous CMPS LMPS	CMPS LMPS	CMS #2 LMS #2	
23	24	25	26	27	28	29
	CMS/LMS →			HOLIDAY		
30	Dec. 1	2	3	4	5	6
	EMU Brf 4-6	SESL Dry (6)	SESL Dry 4 Apollo 12 Follow on crew debrief	Tank Egress Prime SESL 6	SESL 4	Gulf egress Prime

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Monday November 3	Lovell	0900	IMS-LM Activation-Descent
	Haise	Same	
	Mattingly	0900-1230	CMS - SCS Pwr dist. and control proc. w/malf.
		1300	CMPS
	Young	LLRF	Langley
	Duke	Suit Fit	Dover
	Swigert	1330-1700	LOI-1 w/malf.
Tuesday November 4	Lovell	0900	IMS Sys. malf.
		1330	CMS Boost-TLI (malf.)
	Haise	1100	Suit up - IM chbr.
	Mattingly	1330	CMS Boost-TLI (malf.)
	Young	1100	Suit up - IM Alt. Chbr.
	Duke	0900	CMS LOI-1 (malf.)
		1330	IMS AGS launch & Rdz.
	Swigert	0900	CMS LOI-1 (malf.)
		1300	CMPS
Wednesday November 5	Lovell	0730	SESL
		1330	LMS Descent/Malf.
	Haise	1330	LMS
	Mattingly	0900	CMS Entries w/malf.
		1300	CMPS
	Young	0900	LMS Rndz Completion
		1300	LMPS Rendezvous
	Duke	Same	
	Swigert	0900	Entry simulator
		1330	CMS T D&E (malf.)
Thursday November 6	Lovell	0830	LLTVS
		1000	TDS
		1330	LMS Systems review
	Haise	0730	SESL
		1330	LMS
	Mattingly	0900	CMS LOI-1 W/Malf.
		1300	CMPS
	Young	0830	DCPS
		1000	LMS Descents w/malf.
		1330	ALSEP deploy
	Duke	0900	IMS
		1330	ALSEP deploy
	Swigert	0830	DCPS
		1330	CMS entries w/malf.
	Friday November 7	Lovell,Haise	0830
Young,Duke			EVA#2 discussion and exercise
Mattingly		0800	ASPO Mtg.
Swigert		0900	TDS
		1300	CMPS

Prepared by:

Lloyd Reeder

 APOLLO 13 CREW
 ACTIVITY PLANNING GUIDE

 1. Lovell
 2. Mattingly
 3. Haise
 4. Young
 5. Swigert
 6. Duke

November 15, 1969

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
November 16	17	18	19	20	21	22
	LMS (1,3) Suit Fit (4) Geology (2) CMS (5,6) Checklist Review (1,2,3)	Drill Check (3) LMS (4,6) DCPS (1,2) CMS (2,5) CMPS (5) LMPS (1,3)	CMS (2,5) LMS (1,3,4,6) Entry Sim (5) Drill Exer. (4,6) EVA #1 (1,3) CMPS (2)	Apollo 12 Liftoff - Rendez CCFF (1,3,4,6) CMS (2) CMPS (5)	LMS (1,3) TDS (4) CMS (4,5,6) WIF (1,2,3) IMS (4,6) CMPS (5) ALSEP Closeout	
23	24	25	26	27	28	29
	CMS #1 LMS #1 CMPS LMPS	EVA #1 (4,6)		Holiday		
30	December 1	2	3	4	5	6
	EMU Brief CMS #2 LMS #2 LLTV (1,4)	SESL (dry) (6)	SESL (dry) (4) Follow on crew debrief. (All)	Tank egress(P) SESL (6) LMS #2 CMS #2	SESL (4)	Gulf egress (P)
7	8	9	10	11	12	13
	CMS #2 LMS #2 LLTV (1,4)	MIT Briefings (IM)	SESL T/V (6)	SESL T/V (4)		
14	15	16	17	18	19	20
	Tank egress backup CMS #2	Geology				

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APOLLO 13 CREW TRAINING

Monday, November 17

Lovell	0800 0900-1700	Contingency EVA C/L Review - Rm. 396 LMS Systems Activation through surface Powerdown - Ascent
Haise		SAME
Mattingly	0800 0900 1300	Contingency EVA C/L Review - R. 396 CMS #1 - SIVB THC Control Geology, Rm. 396
Young	1000	Suit Fit (ILC) Pickup at Dover AFB
Duke	1300	CMS #1 (TLI)
Swigert	1300	CMS #1 (TLI)

Tuesday, November 18

Lovell	0900 1300	DCPS LMPS
Haise	0800 1300	Lunar drill ck (KSC) LMPS
Mattingly	0900 1330	DCPS CMS #1 - Rndz. with bus failures
Young	0900-1700	LMS #1 LM Activation through Ascent
Duke		SAME
Swigert	0900 1300	CMS #1 - Earth orbit entries CMPS

Wednesday, November 19

Lovell	0900 1300	LMS #1 - PDI aborts First EVA - Suit up, Building 7
Haise		SAME
Mattingly	0900 1300	CMS #1 - TEI w/thumbwheels CMPS
Young	0900 1300	Drill exercise - suited LMS #1, RCS, comm, EPS systems review
Duke		SAME
Swigert	0900	Entry Simulator

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APOLLO 13 CREW TRAINING (CONT)

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Thursday, November 20

All	a.m.	Apollo 12 liftoff - rndz.
Lovell		
Haise		
Duke		
Young	1400	Descent Stage CCFF
Mattingly	1300	CMS #1 - Hi-speed entries
Swigert	1300	CMPS

Friday, November 21

Lovell	0900	LMS #1 - PDI aborts
	1300	EVA Contingency (WIF)
Haise		SAME
Mattingly	0800	ASPO Mtg.
	1300	EVA Contingency (WIF)
Young	0900	TDS
	1000	CMS #1 - Earth Orbit entries
	1300	LMS #1 - RCS/CES MPS Systems
Duke	0900	CMS #1 - Earth orbit entries
	1300	LMS #1
Swigert	0900	LMS #1
	1300	CMPS

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ACTIVITY PLANNING GUIDE

1. Lovell 3. Haise 5. Swigert
2. Mattingly 4. Young 6. Duke
November 21, 1969

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
November 23	24 CMS-Prime/BU LMS (1,3,4,6) TDS (5) CMPS (2)	TV Br (1,3) 25 LM Onboard Data (1,3) CMS (2,5) LMS (1,3,4,6) CMPS (5) TDS-2 Entry Br-2 EVA #1 (4,6)	26 Post EVA Ck (1,3) LMS (1,3,4,6) CMS (2,5) W Matrix Br (2,5)	27 HOLIDAY	28 CM Mockup Exer. (2)	29
30	December 1 EMU Br(PM)(4,6) CMS #2 (2) LMS #2 (1,3) CMPS (5) DCPS (4,5)	2 SESL Dry (6) Follow On Crew Debriefing (All)	3 CMS #2 LMS #2 SESL Dry (4) CMS #3	4 SES� (6)	5 Tindall Meeting (1,2,3,5,6) SESL (4)	6 Tank Egress (1,2,3)
7	8 MIT Briefings (LM) CMS #2 LLTV (1)	9	10	11 CMS #3 LMS #2	12	13 Gulf Egress (1,2,3)
14	15 CMS #2	16 Tank Egress (4,5,6)	17 Geology (1,3,4,6)	18	19	20
21	22 CMS #2 LMS #2	23	24	25 HOLIDAY	26	27

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Monday
November 17

Lovell	0900 1330	CMS #1 Launch-TD&E LMS #1 Surface Checklist
Haise	Same	
Mattingly	0900 1300	CMS #1 Launch-TD&E CMPS
Young	0900 1330	LMS #1 PDI Aborts CMS #1 Launch-TD&E
Duke	Same	
Swigert	0930 1330	TDS CMS #1 Launch-TD&E

Tuesday
November 18

Lovell	0900 1000 1230 1330	TV Camera Briefing-Haise's Ofc. LM Onboard Data Review-Haises's Ofc. Team Meeting- Room 396 LMS #1, Descents/Ascents
Haise	Same	
Mattingly	0800 1000 1230 1330	Earth Orbit Reentries briefing-Office TDS Team Meeting - Room 396 CMS #1, Landmark Tracking DOI thru recirc.
Young	0900 1330	LMS #1, Surface Checklist EVA #1, Suit-up Bldg. 9
Duke	Same	
Swigert	0900 1300	CMS #1 CMPS

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Wednesday
November 26

Lovell	0900 1330	Post EVA Exer-Bldg. 5 LMS #1, Descents/Ascents
Haise	Same	
Mattingly	0900 1300	CMS #1, Rndz. w/malf. W Matrix Brief - Room 378
Young	0900 1300	LMS #1, ECS/EPS LMPS
Duke	Same	
Swigert	0830 1330	W. Matrix Brief - Room 378 CMS #1

Thursday
November 27

Thanksgiving - Holiday

Friday
November 28

Mattingly	Mockup Exercise
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1. Lovell 3. Haise 5. Swigert
2. Mattingly 4. Young 6. Duke

NOVEMBER 28, 1969

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Nov. 30	Dec. 1	2	3	4	5	6
	LMS #2 (1,3) CMS #2 (2) EMU Br. (4,6) EVA Prep (4,6)	CMS/LMS #2-(1,2,3) TDS (4) LLTVS (4) Tunnel Ex. (4) SESL (6) CMPS (5)	Follow-On Crew Debriefing Lighting Mtg. SESL (4)	LMS #2-(4) CMS #2 (5) EVA prep (1,3) C/L Rev. (2) SESL (6)	Tindall Mtg. CMS #2 (5)	
7	8	9	10	11	12	13
	MTT Briefings (1M) CMS #2 LLTV (1)		SESL T/V (6) Mission Review	LMS #2 SESL T/V (6)		Gulf Egress (1,2,3)
14	15	16	17	18	19	20
	CMS #2 LMS #2		Geology (1,3,4,6)			
21	22	23	24	25	26	27
	CMS #2 LMS #2			HOLIDAY		
28	29	30	31	Jan 1	2	3
	CMS #2 LMS #2			HOLIDAY		

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APOLLO 13 CREW TRAINING SCHEDULE

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Monday, December 1

Lovell 1000

Haise

Mattingly 0900

Young 0900
1300

Duke

LMS #2

SAME

CMS #2

EMU Briefing/Bldg. 7A/Rm. 130
EVA Prep/Bldg. 35

SAME

Tuesday, December 2

Lovell, Haise 0900

Mattingly 0900

Young 0900
1000
1300

Duke 0800

Swigert 0900
1300

LMS #2

CMS #2

TDS

LITVS

Tunnel Exer/IM Side) Bldg. 5/Mockup Area

SESL - Dry Run

Entry Simulator
CMPS

Wednesday, December 3

All exc. Young 0900

Young 0800

Prime -

Follow-On Crew Debrief (IRL)

SESL - Dry Run

Lighting Display & discussion (Bldg. 16)
after crew debriefing

Thursday, December 4

Lovell 0900
1400?
1730

Haise

Mattingly

Young 0900

Duke 0800

Swigert 0900

EVA Prep/Post
Drill Exercise
IMPS

Same

C/L Review

LMS #2

SESL PLSS Fam

CMS #2

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APOLLO 13 CREW TRAINING SCHEDULE

Friday, December 5

Lovell, Mattingly 0900

Tindall Mtg. Rm. 378

Haise, Duke

SAME

Young 0800

SESL EMU Fam.

Swigert 0900

CMS #2

Saturday, December 6

Prime crew 0800

Tank egress training, Bldg 228

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APOLLO 11
ACTIVITY PLANNING GUIDE1. Lovell 3. Haise 5. Swigert
2. Mattingly 4. Young 6. Duke
December 5, 1969

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
December 7	8 MIT Br (1,3,4,6) LMPS (1,3) CMS #2 (5) DCPS (2) Matrix Br (2)	9 CMS #2 (2,5)	10 TDS (3) LLTV - (1) Tunnel Exer (1) Mission Rev. (1,3) CMS #2 (2,5,6) SESL (4) LMS #2 (6)	11 LLTV (1) LMS #2 (1,3,4) CMS #2 (2,5) CMS #3 (1,2,3,4,5) SESL (6)	12 LLTV (1) LMS #2 (1,3,4,6) CMS #2 (2) CMS #3 (4,6)	13 EVA #1 (4,6) LLTV (1)
14	15 LMS #2 (1,3) DCPS (4,5) CMS #2 (2) LMPS (4,6)	16 LMS #2 (1,3,4,6) CMS #2 (2,5)	17 Geology (1,3,4,6)	18	19 CMS #2 (5)	20
21	22 CMS #2 LMS #2	23 CMS #2 LMS #2	24 LMS #2 - AM	25 HOLIDAY	26	27
28	29 CMS #2 LMS #2	30	31	January 1 HOLIDAY	2	3
4	5 CMS #2 LMS #2	6	7	8	9 IM Activation thru descent Sim CMS/LMS	10

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Monday
December 8

Lovell	0800	Geology Field Trip Brief, Rm. 378
	0900	MIT Briefings - All Day
	1730	LMPS
Haise	0800	Geology Field Trip Brief, Rm. 378
	0900	MIT Briefings, Rm. 378
	1730	LMPS
Mattingly	0900	W Matrix Brief, Rm. 396
	1300	DCPS
	1500	Map Review - Office
Young	0800	Geology Field Trip Brief, Rm. 378
	0900	MIT Briefings
Duke	Same	
Swigert	0900	CMS #2

Tuesday
December 9

Lovell	0900	MIT Briefings, Rm. 378
Haise	Same	
Mattingly	1230	CMS Briefing
	1300	CMS #2, DOI - P22
		LM Undock - Recirc. P20-P22
Young	0900	MIT Briefing
Duke	Same	
Swigert	0900	CMS #2

Wednesday
December 10

Lovell	0630	LLTV
	0900	Tunnel Exercise
	1230	Mission Review, Rm. 966, Bldg. 2
Haise	0900	TDS
	1230	Mission Review
Mattingly	0900	CMS #2
		Entries TD&E
Young	0800	SESL
Duke	0900	LMS #2
	1300	CMS #2
Swigert	1300	CMS #2

Thursday
December 11

Lovell	0900	LMS #2 or LLTV
Haise	0900	LMS #2 Liftoff Rendz.
	1300	CMS #3, LOI
Mattingly	0900	CMS #2, Liftoff Rendz.
	1300	CMS #3, LOI
Young ung	0900	CMS #3, Reentry
	1300	LMS #2, Liftoff - Rendz.
Duke	0800	SESL
Swigert	0900	CMS #3, Reentry
	1300	CMS #2, Liftoff Rendz.

Friday
December 12

Lovell	0900	LMS #2 or LLTV
Haise	0900	LMS #2, DOI - reset
		LM activation thru TD
Mattingly	0900	CMS #2, LM activation thru TD
Young	0900	LMS #2
	1000	CMS #3
Duke	0900	LMS #2
	1000	CMS #3

Saturday
December 13

Young 0900

EVA #1, Bldg. 9, suited

Duke Same

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 APOLLO 13 CREW
 ACTIVITY PLANNING GUIDE

 (1)Lovell (3)Haise (5)Swigert
 (2)Mattingly (4)Young (6)Duke

December 24, 1969

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Dec. 28	29	30	31	Jan. 1	2	3
	CMS#2-LOI&DOI Aborts 0900 (1,2,3) IMS#2 (4,6)	CMS#2/LMS#2- Recirc & Lndg; LOI Aborts(1,2,3) IMS#1 (4,6)	CMS#2-P-22,23,27 PTC, Entry 0900-1300 (2) LMS#2 (1,3) IMS#1 (4,6)	HOLIDAY	Mockup Exercise- HYCON Camera 0900 (1,2,3)	
4	5	6	7	8	9	10
	CMS#2 (5) LMS#2 (4,6)suited DCPS (1,2) Flt Plan Review (1,2,3)	CMS#2 (1,2,3)(5) LMS#2 (4,6) EVA Prep/Post (1,3)	CMS/LMS (All) EVA#2 (1,3) EVA Prep/Post (4,6)	CMS#2-LOI Sim (1,2,3) LMS#2 (4,6) CMPS (5)	CMS#2/LMS#2-IM Act thru Desc Sim (1,2,3) DCPS (4,5)	Drill Exercise (1,3) LEC Exercise(POG) (1,3)
11	12	13	14	15	16	17
	CMS#2 (5) LMS#2 (4,6) Msn Rules Review (1,2,3)	CMS#2- TLI Sim	EMU CFF (1,3) LM Descent Brief CMS#2/LMS#2 (4,5,6)	LMS#2-Desc Abort Sim	CMS#2/LMS#2- Ascent Sim	Tank Egress (1,2,3)
18	19	20	21	22	23	24
	CMS#2 LMS#2	CMS#2 LMS#2	Lunar Orbit Photo Sim (1,2,3) LMS#2 (4,6)		IM Sim Flt	Gulf Egress (1,2,3)
25	26	27	28	29	30	31
	CMS#2 LMS#2	FRT	CMS#2-Launch Sim	CMS#2-EntrySSim	CMS#2 LMS#2	

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 APOLLO 13 CREW
 ACTIVITY PLANNING GUIDE

 1. Lovell
 2. Mattingly
 3. Haise
 4. Young
 5. Swigert
 6. Duke

December 2, 1969

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
December 14	15	16	17	18	19	20
	CMS/LMS (4,5,6) 0900 CMS #3 (1,2,3) 0900 Booster Rollout 0730 (1,2,3)	CMS/LMS (1,2,3) 0900 CMS #3 (4,5,6) 0900	Geology (1,3,4,6) CMS #2 0900 (5) 1300 (2)	CMS #2 0900 (2) 1300 (5) Flt Plan Rev. 1500 (2)	ASPO Mtg (2) 0800 CMS #2 0900 (5) DCPS 1000 (2) Entry Sim 1300 (2)	
21	22	23	24	25	26	27
	CMS #2 LMS #2 LLTV (1) Orbital Geology (2,5)	CMS #2 LMS #2 LLTV (1)	CMS #2 AM LMS #2 AM LLTV (1)	HOLIDAY		
28	29	30	31	January 1	2	3
	CMS #2 LMS #2	CMS #2 LMS #2	CMS #2 AM LMS #2 AM	HOLIDAY		
4	5	6	7	8	9	10
	CMS #2 LMS #2	CMS #2 LMS #2 EVA Prep/Post	CMS #2 LMS #2 EVA #1 (1,3)	LOI Sim CMS #2	IM Act - Desc. Sim CMS/LMS	
11	12	13	14	15	16	17
	CMS #2 LMS #2 Mission Rules Review	TLI Sim		Desc. Aborts Sim LMS	Ascent Sim CMS/LMS	Tank Egress Prime

SIMULATOR SCHEDULE - DECEMBER 15 - 19

Monday
December 15

Prime Crew 0830
0900

Brief
Simulator
CMS #3, Launch Aborts
Launches - TEI

Backup Crew

CMS #2/LMS #2 (Integrated), Ascent
thru docking, two runs

Tuesday
December 16

Reverse Monday schedule.

Wednesday
December 17

Hybrid LOI #1 DOI, sep. recirc.
LOPC #1

Swigert 0830
0900

Brief
Simulator

Mattingly 1230
1300

Brief
Simulator

Thursday
December 18

TEI P-23 - P37 Entry

Mattingly 0830
0900

Brief
Simulator

Swigert 1230
1300

Brief
Simulator

Friday
December 19

CSI thru docking, TD&E, Entry

Swigert 0830
0900

Brief
Simulator (All day)

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ACTIVITY PLANNING GUIDE

1. Lovell 3. Haise 5. Swigert
2. Mattingly 4. Young 6. Duke

DECEMBER 3, 1969

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
Jan. 4 See attachment for details of first week	5 DCPS (1,2) Flt. Plan Rev. (1,2,3) CMS/LMS #2 (4,5,6) LOI-DOI Mtg (1,2,3)	6 CMS/LMS - All EVA Prep (1,3)	7 CMS/LMS - All EVA Prep (4,6) EVA #2 (1,3)	8 LOI Sim - All LMS #2 (4,6)	9 LM Activation Thru Descent Sim-CMS/LMS (1,2,3) CMS #3 (4,5,6)	10 Drill Exer TV Camera Exer (1,3)
11	12 CMS #2 (5) LMS #2 (4,6) Mission Rules Review (1,2,3) @ MSC	13 TLI Sim - All LMS #2 (4,6)-a.m. (1,3) - p.m.	14 CMS/LMS (4,5,6) EMU CFF (1,3) CMS #2 (2) Bench Ck - All LM Desc. Br (1,3)	15 Descent Abort Sim (1,3,4,6) CMS #2 (2,5) EVA #1 (4,6)	16 Ascent Sim CMS/LMS Prime - a.m. B/U - p.m.	17 Tank Egress (1,2,3)
18	19 Hycon Camera Exer (1,2,3) POGO (3) LLTV (1) CMS/LMS (4,5,6)	20 CMS/LMS	21 Lunar Orbit Photo Sim (1,2,3) LMS #2 (4,6)	22 CMS/LMS EVA #1 (1,3)	23 LM Sim Flt.	24 Gulf Egress (1,2,3)
25	26 LLTV (1) CMS/LMS (4,6) and (5)	27 FRT KC-135	28 Launch Sim KC-135	29 KC135	30 CMS/LMS	31
Feb. 1	2 CMS/LMS	3 TEI Sim	4 CMS/LMS	5 Act. Descent Sim	6 CMS/LMS	7

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APOLO CREW TRAINING SCHEDULE

Monday, January 5

Lovell	0830	Flt. Plan Review - Rm. 396
	1200	Food Lab
	1300	DCPS
	1500	DOI Techniques Briefing - Rm. 396

Haise Same as above except DCPS

Mattingly Same as above

Backup Crew	0900	CMS/LMS #2
		LM Activation thru landing

Tuesday, January 6

Lovell	0900	LMS #2
	1400	EVA Prep/Post

Haise Same

Mattingly	1400	CMS #2 - CSI-Docking
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Young	0900	CMS #2 - LOI-DOI Aborts
	1300	LMS #2

Duke Same

Swigert	0900	CMS #2
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Wednesday, January 7

Lovell	0900	CMS #2 - Launch, TLI, TD&E
	1430	EVA #2

Haise Same

Mattingly	0900	CMS #2
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Young	0800	EVA Prep
	1200	LMS #2

Duke Same

Swigert	1400	CMS Ew - Rndzv.
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APOLLO 13 CREW TRAINING SCHEDULE CONTINUED

(PAGE 2)

Thursday, January 8

Prime crew	0900	LOI Sim
Young	0900	LMS #2
	1500	CMS #2 - LOI & DOI Aborts - Sim Net Sim
Duke	Same	
Swigert	1500	CMS #2

Friday, January 9

Prime crew		CMS/LMS - LM activation thru descent simulation
B/U crew	0900	CMS #2

Saturday, January 10

Lovell, Haise	0830	Drill Exercise
	1000	Color TV evaluation

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1. Lovell
2. Mattingly
3. Haise

4. Young
5. Swigert
6. Duke

Prepared By:

Lloyd Reeder

APOLLO 13 CREW
ACTIVITY PLANNING GUIDE

January 9, 1970

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
January 11	12	13	14	15	16	17
See attachment for details of first week	Mission Rules 1,2,3 CMS/LMS-4,5,6	TLI Sim-All LMS-1,3,4,6 Suited	EVA #1-1,3 Suited CMS-2-2,5 LMS-2-4,6 Bench Check-All	Descent Aborts Sim-1,3,4,6 CMS-2-2,5 EMU CFF-1,3 LM Prop & RCS-4,6	Ascent Sim Prime-a.m. BU-p.m. EVA #2-4,6 Suited	Tank Egress-1,2, LM Descent Briefing-1,3
18	19	20	21	22	23	24
Entry Simulator- 2	Hycon Camera Exer-1,2,3 POGO-1,3 LLTV-1 DCPS-1,2 CMS/LMS-4,5,6	EVA#1-4,6 Suited CMS/LMS-A11	Lunar Orbit Photo Sim-1,2,3 EVA Prep-4,6	EVA #1-1,3 CMS/LMS-A11	LM Sim Flt CMS/LMS	Gulf Egress-1,2,
25	26	27	28	29	30	31
	LLTV-1 CMS/LMS DCPS-1,2,3	FRT CMS/LMS KC 135-6	CMS/LMS KC 135-4	LLRF-4 CMS/LMS	Tank Egress-4,5, 6 POGO-6 CMS/LMS-1,2,3 CMPS-5 DCPS-4,5	LLTV-1
February 1	2	3	4	5	6	7
	LLTV-1 CMS/LMS-----	TEI Sim		Act Descent Sim	Gulf Egress-4,5, 6	
8	9	10	11	12	13	14
		Entry Sim	Ascent Sim LMS Only	EVA #1 Sim		
	CMS/LMS-----					

APOLLO 13 CREW TRAINING SCHEDULE
January 12 - 17

Monday, January 12

Lovell	0800	CM Consumables Brf - Room 378
	0900	Mission Rules
	1300	Meeting - McDivitt's office
	1500	Reconvene Mission Rules if required

Haise	Same	
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Mattingly	Same	Food Lab, if time permits
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Young	0900	LMS-2 Ascent/Rendezvous
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Duke	1500	CMS-2 Launch, TLI, TD&E
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Swigert	0900	CMS-2 Lift-off thru RNDZ then launch thru TD&E
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Tuesday, January 13

Lovell	0900 1400?	CMS-2 TLI Sim (Launch thru evasive mnvr) LMS-2 Activation, step to PDI-20 thru touchdown (suited)
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Haise	Same	
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Mattingly	0900	TLI Sim
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Young	0830	LMS-2 suited Activation - step to PDI-20 thru touchdown
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Duke	Same	
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Swigert	1400?	TLI Sim - second half
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Wednesday, January 14

Lovell	0800 1300	EVA #1 Bench Review CONX
Haise	Same	
Mattingly	0900-1300 1400	CMS-2 CSI-Docking; repeat Docking Bench Review
Young	0900 1300	LMS-2 Bench Review CONX
Duke	Same	
Swigert	1330	CMS-2 DOI overburn, LOPE-1, LM Jettison TEI Entry

Thursday, January 15

Lovell	0900 1300	LMS-2 Descent Aborts Sim EMU CFF
Haise	Same	
Mattingly	0800 1330	EPS/ECS Systems review CMS-2 DOI overburn, PTC, P-22, BU alignments
Young	0800 1300?	LM Prop & RCS Review LMS-2 Descent Aborts Sim
Duke	Same	
Swigert	0900	CMS-2 CSI-Docking; repeat Docking

Friday, January 16

Lovell	0900	LMS-2 Ascent Sim/L.O.- 2+50 thru docking
Haise	Same	
Mattingly	0900	CMS-2 Ascent Sim
Young	0800	EVA #2

Saturday, January 17

Prime Crew	0800 1300	Tank Egress (take blue flight suit) LM Descent briefing - Haise's office
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ACTIVITY PLANNING GUIDE

Prepared By

Lloyd Reeder

1. Lovell

2. Mattingly

3. Haise

4. Young

5. Swigert

6. Duke

January 15, 1970

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
January 18	19	20	21	22	23	24
LLTV-1 See Attachment For Details	LLTV-1 POGO 3 (Suited) DCPS 1-2 CMS #2 4-5-6 LMS #2 4-6 HYCON Camera 1-2-3	LLTV-1 CMS #2 1-2-3-5 LMS #2 4-6 (Suited)	Launch Sim All 1-2-3 (Suited) LM FRT 1-3-4-6 LMS #2 1-3 (Suited)	CMS #2 1-2-3-5 EVA #1 1-3 (Suited)	LLRF - 4 CMS/LMS (1-2-3) CMPS -5	Gulf Egress(1-2-3) LLTV-1 Geology-Apollo 12 Rocks 1300 1-3-4-6
25	26	27	28	29	30	31
	LLTV-1 DCPS 1-2 LLRF-3 CMS/LMS #2 4-5-6 (Suited)	Entry Sim P AM BU PM EVA Prep/Post 4-6 Geology 1-2-3 KC-135 (2) 1900	Orbital Geology2 FRT EVA Prep/Post 1- 3 Entry Simulator5 KC-135 (6)	EVA #1 1-3 CMS 2-5 LMS 1-3-4-6 KC-135 (4)	Tank Egress 4-5-6 DCPS 4-5 Bldg. 5 POGO 4-6 CMS/LMS 1-2-3	
February 1	2	3	4	5	6	7
	POGO - 1 LLTV - 1 CMS/LMS	Launch Sim All CMS/LMS	CMS/LMS KC-135 (5) MSC	Descent Sim 1-3-4-6 CMS/LMS	CM/LM Bench Check All CMS/LMS	
8	9	10	11	12	13	14
	LLTV-4 CMS/LMS	LLTV-4 CMS/LMS	LOI/DOI Sim CMS/LMS Pad Walk down All	EVA #1 Sim (CMS Active) CMS/LMS	CMS/LMS	
15	16	17	18	19	20	21
	CMS/LMS	TEI Sim CMS/LMS	Closeup Camera Briefing (Dr. Gold) EVA #1 1-3 CMS/LMS	TLI Sim CMS/LMS	LM FRT CMS/LMS	

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APOLLO 13 CREW TRAINING SCHEDULE
January 19 - 23

Monday, January 19

Lovell	0700	LLTV
	0900	DCPS
	1100	LLTV
	1400	HYCON Camera Exercise (Bldg. 4 Photo Clean Room Rm. 172-A
	1500	LPD Error Demo Bldg. 16 Ph. 2882 Smith
Haise	0900	POGO Bldg 29
	1100	LM Emergency Procedures Briefing
	1400	HYCON Camera Exercise
Mattingly	0900	DCPS
	1100	Entry Simulator
	1400	HYCON Camera
Young	0900	CMS #2 Launch Thru TD&E Suited
	1430	LMS #2 Descents Suited
Duke	Same	
Swigert	0900	CMS #2 Launch
	1400 ?	Docking LOPC-1
		LM Jett. & Sep., TD&E

Tuesday, January 20

Lovell	0700	LLTV
	1330	CMS #2 Launch Abort
Haise, Mattingly	0900	Pad Visit
	1330	CMS #2 Launch Aborts
Young	0900	LMS #2
	1300	EVA #1
Duke	Same	
Swigert	0900	CMS #2 TEI, Entries
		P-23 P-37

Wednesday, January 21

Lovell	0900	Launch Sim Suited
	1400	LMS #2 Descents
	1700 ?	LM FRT
Haise	Same	
Mattingly	0900	Launch Sim
	1400	Training Plan Briefing
Young		LM FRT
	1400 ?	Launch Sim
Duke	Same	
Swigert	1400 ?	Launch Sim

Thursday January 22

Lovell	0900	CMS #2 Entries
	1330	EVA #1
Haise	Same	
Mattingly	0900	CMS #2 Entries
		EI-2 Hrs EI-20 Minutes
	1400	Program Alarm Briefing
Young	0900	LMS #2 Descents
	1330	LMS #2 Ascent/Rndz Integrated
Duke	Same	
Swigert	1330	CMS #2 Ascent, Rndz Integrated

Friday, January 23

Lovell	0900	LMS #2
Haise	Same	
Mattingly	0900	CMS #2 Undocking & Sep thru Recirc. LOPC-1 P-23 Partial TPI thru Docking Burns with Malfunctions TD&E W/Malf.
Young		LLRF Langley
Duke	1300	LMPS

Saturday, January 23

Lovell	0700	LLTV
LOVELL,HAISE,		
MATTINGLY	0830	Gulf Egress
Lovell,Haise,Young,		
Duke	1300	Apollo 12 Rock Study&Lunar Science Conference Summary (LRL)

Prepared By:

Lloyd Reeder

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APO 13 CREW

ACTIVITY PLANNING GUIDE

1. Lovell
2. Mattingly
3. Haise

4. Young
5. Swigert
6. Duke

January 30, 1970

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
February 1	2	3	4	5	6	7
	CMS/LMS 4-5-6 LLTV-1 Data Review 1-2 -3 DCPS 1-2 Drug Test 2-3	TLI Sim All Egress Tng 1-2-3 EVA #2 1-3 EVA #1 Prep Posi 4-6	Pad Walkdown All EVA #1 1-3 Press CMS 2-4-5-6 LMS 1-3-4-6 Geology 1-3-4-6	Descent Sim 1-3-4-6 CMS 2-5 KC 135 5 Radar Brf 4-6 EVA PREP/POST(4-5)	LLTV-4 CMS/LMS 1-2-3 DCPS 4-5 LMS-Radar 6 CMPS 5 Bench Check	LLTV 1 or 4
8	9	10	11	12	13	14
LLTV 1 or 4	LLTV CMS/LMS 4-5-6 LLRF 3	EVA #1 4-6 CMS/LMS All	EVA #2 1-3 AM 4-6 PM DOI SIM All LM Prep For Contingency 4-6 1-3	EVA #1 Sim 1-3 (CMS Active) LLTV 4 LMS 6	LLTV-4 CMS/LMS 1-2-3	LLTV 4 Flight Plan Review 1-2-3
15	16	17	18	19	20	21
	POGO 1 Contingency Transfer 1-2-3 CMS/LMS 4-5-6 LLTV-1	TEI Sim CCFF - All EVA #1 4-6 LMS	Launch Sim EVA Prep/Post 1-3 LMS	CMS/LMS EVA #1 1-3	LM FRT CMS/LMS	LLTV
22	23	24	25	26	27	28
	Holiday CMS/LMS	Press Conf. 3 CMS/LMS	CM FRT CMS/LMS	Descent Sim CMS/LMS	LLTV 4 CMS/LMS	LLTV
March 1	2	3	4	5	6	7
	EVA #2 Flagstaff CMS 5	Lunar Photo Sim 1-2-3 LMS 4-6	CMS/LMS	LM ACT/DES. Sim CMS/LMS	CMS/LMS	

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APOLLO 13 CREW TRAINING SCHEDULE
February 2-6

Monday, February 2

Lovell	0700	LLTV
	0930	On Board Data Review Rm 378
	1100 ?	LLTV
	1230	Continue - On Board Data
	1500	DCPS - TLI
Haise	0830	Drug Testing
	0930	On Board Data Review
Mattingly	0815	Drug Testing
	0830	Dentist
	0930	On Board Data Review
	1500	DCPS - TLI
Young	0900	LMS #2 (Integrated) Docked
		DPS, APS - TPI-- Docking
	1300	LMS #2 - Non Integrated
Swigert	0900	CMS #2 Integrated
	1300	CMS #2 P-23 TD&E TPI, Docking

Tuesday, February 3

Lovell	0900	CMS #2 TLI Sim (Suited)
	1500 ?	Egress Training (Suited) Cryo Bldg #2
	1600	EVA #2 (Shirtsleeve)
Haise	Same	
Mattingly	Same	
	1600	Pad Visit
Young	0800	EVA #1 Prep/Post
	1400 ?	CMS #2 TLI Sim
Duke	Same	
Swigert	1400 ?	CMS #2 TLI Sim

Wednesday, February 4

Lovell	0800	Pad Walkdown - Meet at L.O. Trailer
	0900	LMS #2
	1330	EVA #1 Press Invited (Suited)
	1900	Hawaii Field Trip Debriefing
Haise	Same	
Mattingly	0800	Pad Walkdown
	0900	
	1300	CMS #2 P-23 TD&E Entry TPI-Station Keeping
	1900	Lunar TOPO Review

Wednesday, February 4 - cont'd

Young	0800	Pad Walkdown
	0900	CMS #2 LOI-DOI-Entry
	1300	LMS #2
	1900	Hawaii Field Trip Debriefing

Duke	Same
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Swigert	0800	Pad Walkdown
	0900	CMS #2 LOI - DOI - Entry

Thursday, February 5

Lovell	0900	LMS #2 Descent Sim
	1400	EVA #1 Prep/Post
		LM Radar Briefing On Call

Haise	Same
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Mattingly	1300	CMS #2
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Young	0900	Radar Briefing
	1400 ?	LMS #2 Descent Sim

Duke	Same
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Swigert	0900	CMS #2 EVA #1
	1500	KC-135

Friday, February 6

Lovell	0900	CMS #2 P-23
	1030	LMS #2

Haise	0900	LMS #2 Radar 1
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Mattingly	0800	KC-135
	1030	CMS #2 EVA #1 Timeline

Young	0630	LLTV
	1000	DCPS
	1400	LLTVS

Duke	0900	LMS #2
	1030	Radar Briefing

Swigert	1000	DCPS
	1300	CMPS