

Transcript Profile
Flight 51-I

6:26 AM
LOCAL TIME:

GMT: 237:11:26:00	General Activity 51-I Pro-launch	Cassette # 2
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MET Time	NOTES
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GMT

237:11:31:01	
237:11:32:19	COM - Backup computers - 10 min window.
237:11:33:49	COM - John Conway found gas for satellites
	and tracking centers
237:11:41:47	COM - Fuel all loads adjusted
237:11:43:30	COM - Push up count down to 5 min - hold
237:11:44:23	Hardware problem - in and out of scope
237:11:44:41	COM - T-9 decisions being made

Transcript Profile

Flight _____

LOCAL TIME:

GMT:

239:09.47(10)

General Activity

Cassette #

1

MT
Time

NOTES

Transcript Profile
Flight 517

6:38
LOCAL TIME: Am
Cassette #
3

Gen: General Activity

239:10 370

TIME

NOTES

10:41:18	PAC COM - Doppler track - "disturbing" weather
10:42:04	COM - Just directed going through hold
10:42:34	COM - Crew ready to go
10:42:52	Range safety issues - SRB down
10:43:43	Shut on range of SRB
10:44:10	Hold extended
10:45:10	Ship plotted on radar -
10:48:59	T-9 trans and continuity
10:49:30	Final go to launch - range safety issues
10:50:30	COM - Area restrictions
10:51:40	APU pre-start
10:52:05	Pre-start complete
10:52:43	Go to APU start
10:53:05	APU start in work
10:53:24	COM - Oxygen
10:53:58	COM - Health values SRB
10:54:10	Visors closed
10:54:14	Main engine started
10:54:30	Ready to get out of Dodge
10:54:45	Intercom power

Transcript Profile
Flight 51-I

LOCAL TIME:

GMT: 29:16:13:08	General Activity 51-I AUGSAT PACE DEPLOY	Cassette # 12
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NET
Time

NOTES

05:30:31	
05:37:00	CDRI -
05:54:50	COM - AOS Guam in 50 seconds
05:55:20	AOS Guam
05:55:48	Updates in window protected
05:56:18	Copy - readback
05:56:30	OWNS controlled Radar - SC5 - PCS loss straight lead.
05:03:00	AOS Guam into Hawaii Deploy time necessary + 01 - 30 seconds.
05:09:15	AOS Hawaii - nominal deploy - nominal subs
05:10:18	Worked hold by
05:10:44	Reconfig - MARS sublet PC enable to alt power consumption
05:12:27	Mtk long indication - go to latch in backup
05:12:44	atching it
05:13:00	MAR power switches down
05:13:25	COM Okie check AUGSAT
05:16:32	Gas bleeders fuel pressure Alpha to auto
05:17:50	Close windows. Post Deploy?
05:18:14	Our call - think it will close alright
05:18:44	AOS + DRS
05:18:51	Low windfields open

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Flight 51I

6:05
LOCAL TIME: AM

039: 10:55:10	General Activity 51I Pro Launch LAUNCH!!	Cassette # 4
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MT Time	NOTES
039: 10:55:10	Pre-launch activities
10:56:32	90 seconds before launch
10:56:52	Work at flight pressure
10:57:30	No problem sequence start
	No. 1
10:57:50	
10:58:10	LAUNCH
039: 11:00:09	SRB Separation
11:00:35	First stage performance normal
11:01:34	2 engine TAL capability
11:02:48	Press to ATO
11:03:50	Press to MECO
00:06:55	11:04:55 Single engine press to MECO
00:06:35	MECO confirmed levels good
00:06:58	Seqs of external tank
00:07:18	No OAMS 1 APU's on time
00:23:49	Water relief temp
00:24:12	Maneuvering to OAMS 2 burn attitude
00:27:11	Burn attitude - Cargo loading
29:00	com. over Africa continent

GMT

MET

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Flight 51-I

LOCAL TIME: 12:23

EXT: 239 17 17 47

General Activity

51-I Pre-Deploy AUSSAT Satellite

Cassette # 12 cont.

Net Time

NOTES

06:18:46

06:20:41 Comps on motors 1 + 2

06:24:11 Com - Sweep starts with data from AUSSAT

06:24:46 Spin-up begins

06:26:48 Com - 8 min. 30 sec. before deploy - Internal healthy

06:30:15 Com - 5 min. pre-deploy - building steady
Do not deploy

06:32:33 Com - Deploy instructions

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LOCAL TIME: 12:33 PM

GMT:	General Activity	Cassette #
339:17:30:00	51-I AS AUSSAT DEPLOY	13

Time	NOTES
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06:32:41	
06:34:00	com - Deploy 50 seconds
06:35:24	com - AUSSAT DEPLOY 6:35:25
06:36:10	Deployment #'s
06:36:40	Breathed sigh of relief - that's 1
06:36:54	Feel neck yanked.
06:38:00	Headback of attitude
06:39:21	Headback
06:39:36	We're going to see computer out
06:41:36	Recovery on PSM - leave heaters on
06:50:45	com - Temp down underway
06:51:00	com - lower - complete - nominal
06:52:40	Message over temp
06:54:00	Stay in current temp for time being
06:56:41	Stay in room OIP telegraph ASC deploy
06:58:30	Confirmation of ASC changes highlighted under ASIP to change threshold - unpowered BUS across.
07:03:20	Heaters - PSM cycle on - Power down SCA back to opp 2
07:04:00	
07:04:00	Reports

Transcript Profile
Flight 511

LOCAL TIME: 8:41 AM

GMT:	General Activity	Cassette
239:12:41:40	511 to Sunshield being on OMAI	6

HT
Time

NOTES

02:12:47:21	Leave flight there (?)
02:01:00	Check point to press ^{press} normally
02:01:37	Noticeed jerkiness - being up on OMAI - Sunshield - 30' of travel left - AUSSAT
02:03:47	Closing operation deformed - Sunshield
02:04:13	Close indication - some other indication
02:07:24	COM - Sunshield on AUSSAT problem
02:12:31	High acceleration - OK when it being up or blowing - tube bend down making contact with Sunshield
02:13:27	Copy
02:13:37	Cannot see tilt elbow camera looks in a position it would have made contact
02:14:14	Don't try to recycle bleed
02:14:15	Fuel cell auto filling
02:15:11	Power older up but don't do health status check.
02:18:42	COM - Sunshield discussion
02:16:01	Holds off one fuel cell empty
02:16:20	COM - May have had contact at opening of door
02:19:24	XOS TVDS and Indigadi - TV then
02:19:57	Vernebo?
02:20:23	Let Vernebo warm up a little
02:20:36	COM - Sunshield problem - camera control problem

Transcript Prd#118
Flight SI-I

LOCAL TIME 7:00 AM
Cassette #
6 cont

Call:	General Activity	LOCAL TIME 7:00 AM
239.13.26.38	SI-I	Cassette # 6 cont

Time	NOTES
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02:28:27	COM: Querying AOS Yagody UHF
02:29:08	AOS Yagody for 8 1/2 min.
02:29:10	AOS Yagody for 7 1/2 min.
02:31:00	AOS Yagody
02:31:11	Copy
02:31:55	Procedure for AUSSAT
02:32:34	Not reading yet
02:32:49	6 steps later ready to copy
34:41	SM check point?
34:53	MSU

Transcript Profile
Flight 511

LOCAL TIME: 1:08 pm

Call:	General Activity	Cassette #
389:15:02:39	511	13 cont.

NET Time	NOTES
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00:07:04:36	
07:04:41	Alarm 19, 213 - make ops instructions
07:07:49	Deploy equipment for ASC? would like to kind of range other Dallas 7D?
07:08:17	8-D deploy
07:08:31	SVNCOM will be nominal
07:08:44	Day 3.
07:08:47	Just call surge - center off prior to check out
07:09:23	Summarize ASC changes.
07:09:46	that drops lowered - 7th Plate file change > 2 to ≥ 1 ; and could > 2 or ≥ 1 .
07:10:24	Copy. Timber already set up?
07:12:01	SCA is off - lower since lowered. currently being used?
07:12:26	Enable switch
07:12:35	Connect - its been off
07:12:56	COM - LOS tell Mission is 50 min. Doubtful coming up around 07:46
07:32:01	Com - Auxiliary AOS Mission
07:33:30	AOS Mission
07:33:40	Preferred attitude?
07:35:11	Bull shot for beam
07:35:32	Timber is inbound

Transcript Profile
Flight 517

LOCAL TIME: 8:30.1m

001	General Activity	Cassette
239:13:32.49	517	7

Net. Time NOTES

00:02:34.44	500 check point?
02:31:50	Time required
02:37:07	XOS: talk Hawaii with V'dob
02:37:26	View of windshield playback
02:37:38	Bomb, picture
02:37:44	Still live then playback
02:37:54	COM - XOS over Australia for about about 17 min.
02:39:36	COM - Flight plan still in receipt - nothing expected for complete. Virus options being considered.
02:53:26	COM - Australia AOS Hawaii
02:56:01	AOS Hawaii - good download
02:58:40	Air rolled out - allow camera look at shield
02:56:17	Del to transceiver
02:57:18	COM Crew increasing air
02:57:48	COM - Allow camera: have capabilities
02:59:16	Air coming out - camera tracking
02:59:35	Verify sequence: AUSA windshield opened.
02:10:00	End effects step rebby
02:11:00	COM - X.
12:00	XOS take miles

Transcript Profile
Flight 51I

LOCAL TIME: 1:40 AM

Day: 239-18-33:51	General Activity: 51I	Cassette #: 13 cont
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Net. Time	NOTES
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07:35:50	Words or symbols dictated
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07:36:07	Enabled when closing rear shield. Conferencing in Control/OFF position.
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07:37:14	Set up for ALSSAT display VTR damage
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Transcript Profile
Flight 51-I

LOCAL TIME! 1:41 PM

Call:	General Activity	Cassette #
239:18:35:39	51-I VTK Downlink	14

Met. Time	NOTES
07:37:51	
07:39:44	LOS till Hawaii
07:41:51	COM - VTK to dumps expected at Hawaii
07:47:21	Just downlink
07:48:20	Need to see dump
07:49:20	COM:
07:52:30	Turned off the book - let us know if you want them back on
07:55:30	Copy
57:00	Tell me where interface of WCS is?
58:00	do an align
08:00:00	
08:30:00	modify comp AT deploy for ASC
35:00	protect attitude
37:00	didn't good P/M burn
08:42:00	COM:
08:46:00	2 min. LOS
48:00	COM LOS
09:10:00	Quam. for WCS AD adapter location WCS bag
09:10:00	LOS
19:00	COM

Transcript Profile
 Flight 51-I

LOCAL TIME: 9:30 AM

Call: 03:29:11:25:50	General Activity 51-I	Cassette # 8
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Net Time NOTES

03:30:27:40	COM -
03:31:07	Corrying up New in 20 min?
03:31:21	Delay IMU alignment.
03:32:37	Flight comm back up
03:34:10	Survey - pub on tape
03:38:56	COM - Handover to pilot stream - Bill comm.
	However, pass in 52 min. Sunshield being up during rotation - contact with camera lens.
03:41:27	COM - Deployment procedure, working up for retrieval
	deployment of ASE satellite.
03:44:14	COM - Sunshield

Transcript Profile
Flight 57-E

3:30 PM

LOCAL TIME:

Cassette #

09:20:21:15	General Activity	15
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NET Time	NOTES
09:23:15	
09:24:00	AOS Hawaii for 9 getting video? could not miss it you should have weather teleprinter message.
27:50	COM: Brickling 3:35 PM EDT
09:32:00	XOS/ AOS TDISS in Admin
32:30	COM: AOS
35:00	AOS TDISS
36:00	ASC deploy pad & net pad rockets stacked back
42:00	cross feed brewer open (right error)
58:00	COM: P/C over
10:21:00	ASC ops - if essential hangs up more than 5 sec disable.
33:30	
10: ↓ ↓	1 1/2 to AOS
10:37:00	COM 15 min to AOS
10:45:00	COM 5 min to AOS
48:00	AOS Guam for 5 min 19 1/2 min from deploy - everything looks good
49:00	COM: deploy of ASC remaining exp
53:00	1 min AOS Guam
54:00	COM

Transcript Profile
Flight 51-I

LOCAL TIME: 9:13 AM

DATE:	General Activity	Cassette #
231: 14:40 50	51-I	9

NET TIME	NOTES
03:42:49	COM - system considered for AUSAIT
03:48:24	
03:49:39	Can't reach back up - interference with tubular structure - bend down and over pilot's entrance
03:50:28	Concerns re lateral disturbance
03:50:36	Close sunshield
03:50:40	Navigation - more interference
03:51:52	Structural tube - also possible joint configuration Not meeting vertical may have pulled out Not meeting straight down to pivot point
03:54:44	COM - Crew video taking views of disturbances
03:55:46	Elbow joint wobble gets under lip - should get it open
03:56:18	Use of elbow joint in RMS - high priority
03:56:49	Part 5-34 - with joint failure - check out if works - go for other 5 joints.
03:57:26	Los tile Margady - check out & backups
03:57:56	COM - Over Indian Ocean - enby Madagascars working MAJ procedures
03:58:59	COM - Contour of sunshield - Hatell's not protected if can close - deploy early as possible

Transcript Profile
Flight 511

5:00pm

TIME	General Activity	LOCAL TIME: Cassette #
21:59:00	ASC deploy	16

TIME	NOTES
00:10:59:30	AOS Hawaii Nominal for ASC <small>AMERICAN SAT. CORP.</small> Go for deploy
11:00:30	Spacecraft spinning up VCO - we have good ASC thrup.
04:00	com ^{payload} deploy, time of min 16 sec
11:06:00	AOS Hawaii com: data locked good
11:30	com:
14:25	part deploy selects
15:00	^{did you see} someone antennas deploy? didn't notice it
11:16:40	com
25:02	com bit in complete
27:00	update on window protect act.
27:40	get new version of cap update software
29:00	Commanding PD1 off
30:30	com:
34:40	We copy - been receiving TCS for EVA day <small>maximally</small>
11:40:30	do you want ATSSAT sun shield closed
11:42:00	congrats on successful deploy of 2 rats Good work
44:30	systems up & running
45:00	KU band deploy start.

Transcript Profile
Flight 51-5

DTG: 039: 14:59:37	General Activity 51-I	LOCAL TIME: Cassette # 9 cont.
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HT Time	NOTES
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03:59:38	Com. Potential RMS. Use - ports section discussion of options.
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04:07:30	AOS Yargady
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04:07:47	Completed checklist
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04:07:53	Stand job - good news
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04:08:42	Panel A 11" handle A/B auto
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04:09:10	Copy - what tank
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04:09:21	Do not continue survey using few other joints - allow in brackets.
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04:10:11	Com - AOS Yargady Recovery drive for RMS allow worked successfully.
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04:11:05	LOS see Mission
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04:14:56	Com - Arriving AOS -
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04:16:49	Com - Options determined - AOS AT - if shield not exposed or closed - must give to. If open what life in PLB - may show sun shield in - RMS
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Transcript Profile
Flight _____

LOCAL TIME:

Cont:

General Activity

Cassette #

110001

Time

NOTES

11.45:00

ground to do that

54:00

maintain PICM alt.

Transcript Profile
Flight 51I

6:20pm

EST:	General Activity	LOCAL TIME:
231:22:50:30		Cassette #
		17

NET
Time

NOTES

11:56:30 THRU align act.

59:20 do align on star now

12:05:15 send for KU band send align

12:23:00 COM Change of Shift 6:30 CST

12:24:00 AOS Guam note on KU band act.

26:00 auroxat powered up - we are receiving data

28:00 info on KU band initiate cell test again

30:00 2 min LOS FOR Guam TBSS at 17:51

30:30 cell test - cont act

12:37:30 AOS

12:52:00 were ready to give you download of ASC
OK were ready

55:00 receiving the video download

12:57:50 Dr. Joe - Strickby can we have review of
payload key - you go ahead

Transcript Profile
Flight 51-I

LOCAL TIME: 10:17 AM

GMT	General Activity	Cassette
237: 15:16:04	51-I Sun hood	10
MET Time	NOTES	
04:18:08		
04:19:25	AOS Buam	
04:21:20	Summary to press sunshield - use RMS panel - get top corner Y axis - motor driven to - full open - then adjust a wedge.	
04:22:10	Kobler's check out - clearance between antenna at back and sunshield. If open - cables open and not close	
04:23:50	Cables - all have open - say cables interlocks entangled with PAM interlocking arms.	
04:24:02	TMO check out on aft tank on - finished. Trying AUSAT in 51D deploy.	
04:24:54	Effect ASC deploy tank	
04:26:07	Considering that working on getting AUSAT off	
04:25:29	JOS tell Hawaii	
04:26:15	Y message - over temp.	
04:27:08	AOS Hawaii	
04:32:12	End effecter between PAMS - light on top to - catch sunshield - push in - aft water	
04:32:04	Keep arm indirect when push - keep from back delivery.	
04:33:46	Uncontrollable with light - use rail	

Transcript Profile
Flight 51-I

LOCAL TIME: 10:33 AM

04:15:32:11	General Activity 51-I Sunshield Deployment	Cassette # 10 cont
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Time	NOTES
04:34:10	COM - Pull on aft to attempt opening Handrail instead of latch on hand-effector.
04:36:51	Hooking wires - want for better view
04:37:10	I got JMW align
04:37:21	Ball 205"
04:37:30	Affirmative
04:38:00	COM - Ann in position to push sunshield. Waiting for bus.
04:41:03	COM - No TV through TDRS; TV at Deltabone.
04:42:40	AOS Deltabone
04:43:00	Aft of panel almost open - Sunshield opened about 2 or 3 inches.
04:46:11	Still have tongue out of ann - go to angle.
04:48:27	That's open - lifted up DUSST - will stay open OK
04:48:47	Star tracker back to track
04:49:11	COM - Sunshield open
04:49:29	Do inspection of spacecraft cables position
04:50:00	Banded - may need a little
04:51:27	AOS at Milo - view looking down top of spacecraft.
04:51:50	want to stay in back up
04:52:03	No problem
04:52:56	Sunshield completely open - S.D. deploy good suggestion

Transcript Profile
Flight 57E

7:00pm

LOCAL TIME:

GMT:	General Activity	Cassette #
240:01:00:30	Sleep Period	18

NET Time	NOTES
13:00:30	Okay
13:03:00	COM live 2x from payload bay
13:12:00	COM VTR playback of ASC deploy door
13:14:00	pre sleep activities going well. All see lightning act + storms down there!
13:15:00	Disc. Host - xxxx
13:21:00	COM: Successful PKM Burn
13:40:00	Los in 3 min - our last transmission for today. Wake up call at 22:00 MET Goodnight Y'all!
13:45:00	COM:
14:39:00	COM:
16:08:15	COM ORBIT 12
17:29:00	COM OVER AUSTRALIA 203 x 190 nm ORBIT 12 TELEPRINTER MESSAGE
18:37:18	COM ORBIT 13
19:30:00	COM ORBIT 14
20:06:11	COM CHANGE OF SHIFT CANCELLED
20:29:13	COM CHANGE OF SHIFT CANCELLED
	COM VTR PLAY BACK
21:04:11	COM VTR PLAY BACK

Transcript Profile
Flight 51-E

04:15:51:36	General ACTIVITY 51-E Sunshield observation	LOCAL TIME: 10:52 AM Cassette 1 18-6-15
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Net Time

NOTES

00:04:53:29	No obvious damage
04:53:30	Sunshield cables entangling?
04:54:01	2 mins of MILA - transfer TDRS for Comm
04:54:30	COM - Change of Shift 11:10 AM
04:59:00	ACS TDRS
05:00:00	Batter controller off
05:00:30	Size of clearance when fuel open - should be about 10"
15:00:00	Fuel clearance on port side

Transcript Profile
Flight 51-E

5:30am
LOCAL TIME:

Date: 240:10:28:2	General Activity	Cassette # 00
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MET. Time	NOTES
000:23:31:60	CYCLE POWER
32:11	LOS TDRS
36:14	MISSION CONTROL - CYCLE POWER EXPLANATION
44:19	AUS YAR
44:30	CYCLED POWER - ALL LOOKS GOOD
46:33	NEED TO KNOW EXACT WORDS
48:33	POWER DOWN
50:15	MISSION CONTROL COM
51:37	MIGHTY PRETTY TOWN
52:00	MISSION CONTROL - PERTM
52:35	LOS YAR
53:50	AUS CAM
56:25	LOS CAM
001:00:03:50	MISSION CONTROL - LIGHTS
1:00:13:14	Word bank of #'s
1:00:14:40	
001:00:15:15	Had 29 transmits & go for complete cycle
001:00:18:40	Sub up for TV
00:19:38	Do for start of supply under stress when nozzle nearby & temp?

Transcript Profile
Flight 51-T

LOCAL TIME 11:00

Call:	General Activity	Cassette:
039:15:51.26	51-T	11

NET Time	NOTES
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05:05:01.05	
05:03:0	Survey not completed see good contact calls
05:03:20	Over temp - wind camera - no real limits
05:03:5	Monitor temp down not that downlink
05:06:08	Check drawings - with page of tubes - for lot of details idea
05:07:30	Moveable part of soundfield on outside - possibly check envelope by some member of the line tube event on - movable - not even of air - move structure
05:08:2	Need description - give us insight
05:08:30	Omb need to show - identify elements
05:10:09	30° temperature - low high
05:10:22	45° is not line
05:10:37	Copy through camera and check temp
05:10:5	Work temp and draw approx - flying killing something
05:11:14	Sup parts ready (for 5:0 deploy)
05:12:00	5:0 deploy Sup parts
05:13:45	Check back
05:14:27	Part 3-6 procedure
14:50	Maneuver on primary job

Transcript Profile
Flight 51I

LOCAL TIME: 6:19 AM

OUT:	General Activity	Cassette #
240:11:18:20	Water Dump - Nitrogen	21

NET Time NOTES

00:00:20:19	
00:21:20	COM - Electronic Loss pEVA
00:22:19	Sun on bay - SYNCOM - maximum light condition
00:24:00	Maneuvering now
00:26:10	Terminals
00:26:15	Temp dropping rapidly
00:26:05	COM - Stop work by water dump - no more today
00:28:50	TV from middle
00:29:00	Bill Foster cabin check - SBU
00:30:10	Sun of the ^{high} the ^{speed} watching
00:30:40	COM - Crew members
00:31:00	on the sunlights up here - in the dark down there
00:31:30	You just think you don't have a <u>6157</u> house
00:32:00	COM
00:32:11	SYNCOM on bay - watching PLB - keeps ahead of sun
00:32:40	on the maneuver - OK
00:32:40	^{COM} SBU - used during work
00:37:00	COM - Bill Foster check list
00:40:40	Water temp high used no water dump
00:41:00	COM - Now temp on supply - ready
00:41:00	Now data PAM, people happy - secure PAM check
00:56:50	Fuel cell temps drop due to water in - line goes to launch

Transcript Profile
Flight 51

LOCAL TIME: 6:55

COT:	General Activity	Cassette #
40: 11:55:37	51-I	51 cont

NET
Time

NOTES

00:50:57-34

00:57:52 A header probably OK

01:11:40 MADS ~~8:10:10~~ ^{8:10:10} PCM enable

01:21:57 Omit ON per sleep monitor

01:24:08 W coast of Australia - lights of Perth -

containing ~~hundreds of~~ large fire towers off.

01:26:15 AM - Australia observation

Transcript Profile
Flight 51I

LOCAL TIME:

GMT:	General Activity	Cassette #
240:12:25:21	51I VTR Downlink	22

NET Time	NOTES
01:27:20	
01:27:39	5105 to Hawaii
01:32:20	
01:45:00	EDM7 - Closing of sun shield VTR 7:45 am
01:47:11	VTR dump at Hawaii; middle at TIK3
01:47:30	Forward closing of ASC doors - AUSAAT doors closing of door
01:48:40	VTR Downlink
01:48:50	Elbow camera not repositioned
01:50:04	Forward edge open more than aft edge of door
01:50:28	Photo panel window in thermal cover
01:51:10	Cover rail used across AUSAAT tubing during access
01:51:56	Open lock exposed
01:56:36	COM
01:56:40	ASS TDRS
01:56:55	
01:57:18	Middle TV
01:57:50	Middle checkout
01:58:34	Power up status check
01:59:34	COM
01:01:08	Compensation to IMU 1 & 2

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OSR:	General Activity	LOCAL TIME:
240:13:14:44	51I	Cassette 23

Met. Time	NOTES
02:14:43	Temp in condensed range 400°
02:15:00	584° height - no guarantee
02:21:37	Com - Time downlink - check out a 2nd SBU
02:22:10	Flights on during step 5
02:22:50	All 2 amber lights on
02:23:40	Turner performed checks - lights flashing rapidly
02:25:55	Com - check out
02:30:08	Turner checks SW - middle of step 7
02:31:55	Fly over base between clouds
02:32:00	Saw Houston - Johnson catching it
02:50:40	COM - awaiting AOS Yagoda
03:03:01:00	Flights down to 250° - coming down now
03:01:35	Completed clear up as normal
03:02:10	COM - Changing Shift Briefing - 9:30 AM
03:05:29	AOS tel Hawaii
03:06:30	COM - Handover complete
03:07:39	COM - Supply Water dumps
03:18:28	AOS tel Hawaii
03:24:00	AOS Hawaii
03:28:30	Temp - off right now
03:28:40	Midlevel camera only improved up
03:29:15	Downlink - left obscured
24:40	Good plan to take a look

Transcript Profile
Flight 51I

LOCAL TIME: 9:31 AM
Cassette #
24

037: 14.30.17 General Activity
51I

Net.
Time

NOTES

00:03:32:14	Turnin #'s
03:32:08	Rolling white chocks
03:34:19	Missed command sequence check
03:53:17	Com. & VFR dump - AUSSAT available called upon no plan to class
03:25:06	203 TDRS 700 Down
03:47:28	ACS Down
03:52:09	Number read #'s
03:52:11	Dist number check needed
03:53:00	RPU work - when when
03:55:19	Battery changing - after ^{that} RPU check out
03:56:13	203 100 thru 110
03:58:19	Com. TV at TDRS - alt 20
04:02:00	ACS TDRS
04:13:33	Set up 10 cabin TV
04:21:58	Download
05:22:22	Something found clearing DDV search
05:23:00	ET Sys recorded
05:23:47	Joe Henry really getting into his work
05:24:12	Com-Go Eng.
05:25:48	RPU check out - a check on middle
05:26:16	Word picture of trouble
05:26:27	RPU - battery change out - change - check out

Transcript Profile
Flight 51-T

LOCAL TIME: 11:26 AM

CST: 040: 16: 25: 09	General Activity 51-T	Cassette # 24 cont
-------------------------	--------------------------	-----------------------

NET. TIME	NOTES
001: 05: 27: 04	

Transcript Profile
Flight 51-I

Cont: 240:16:35.4	General Activity 51-I	LOCAL TIME: 11:37 AM Cassette # 25
-------------------	--------------------------	--

Time	NOTES
05:05:37.4 B	
05:39:43	COM - Stop of flexible recoverable material probably sticking up (Joe Craig's view).
05:47:58	RPU checkmate completed
05:48:13	Ready for RPU
05:48:20	Head back 3 columns at night
05:58:14	COM - Equipment checkmate checked out good.
06:03:10	Head units - no problem - all go on units.
06:27:25	
06:30:20	ASC ramp blocks to Hawaii
06:31:15	COM - 10 mi. of Hawaiian coast left
06:39:24	AOS Hawaii
06:39:31	TV set up
06:40:10	Outgoing opo recorder
06:42:04	Amop check
06:42:21	New data on AUSSAT - switch to ASC.
06:43:15	TV ^{COM} change - T DCS supported
06:44:50	Good downlink picture TV
06:46:03	COM - View of OHMS (200) - 4 RSI - (Flexible Trustable Surface Illumination)
06:46:05	Good downlink picture of OHMS - point out 7 RSI
06:47:05	Can't see it on monitor either - Describes location and condition

Transcript Profile
Flight 51-I

LOCAL TIME: 12:47 PM

Call:	General Activity	Cassette #
240: 17:46.0	51-I	25 cont.

NET
Time

NOTES

06:48:20	Shadows up good in sun
06:49:12	Not certain ASE monitoring.
06:49:34	Use Alpha camera - view by equipment
06:50:10	You've got Alpha
06:50:15	Bob downlink
07:02:00	Two views of atom
07:09:03	Discovery / Atom
07:09:35	Bob discuss with camera Charlie
07:10:12	Try to orient to a picture
07:12:30	COM - Charlie Camera
07:14:44	Camera C - can point - tilt - no picture
07:15:00	Could see in morning - no luck on picture
07:15:51	COM - Camera C - no luck generating picture
07:16:40	Drop
07:17:21	You've got cutting it: with mass with it
07:17:41	COM: B/W camera helpful during rendezvous New windshield blocking

Transcript Profile
Flight 51-I

LOCAL TIME: 1:17 PM

Gen:	General Activity	Cassette #
240: 18:16:35	51-I	26

NET Time	NOTES
07:07:18.31	
07:27:12	Mal camera worked - A.C. D. networked works.
07:28:14	Normal run on 3rd & 4th lengths?
07:28:26	Comp. check.
07:42:21	POS test Duran
08:09:14	POS test Hawaii
08:16:00	POS Hawaii
08:26:00	Hawaii to DRSS
08:24:00	POS DRSS initial not gem when we have worked thru next DRSS
08:29:00	delay PV test initiation till next Hawaii rides
08:30:11	Do you have TV - were setting up for it now
08:32:13	Live TV of display now
08:33:58	Looks like it should suffice.
08:35:07	COM:
08:36:18	Will leave camera 'ok' focus on display portion. This is as close as it will focus
08:38:08	enough advertising for the moment than

Transcript Profile
Flight 57-E

2:40pm

LOCAL TIME:

Call: 240: 11:42:10	General Activity	Cassette # 27
---------------------	------------------	---------------

Time	NOTES
001: 08:41:16	
09:12:24	Go ahead + do an assignment of stars
09:13:10	Stop backing water
09:14:34	HS. for align? Yes you're going for torquing them
09:17:15	2 min to LOS Guam next at 9:42'
09:30:15	COM 9 1/2 min to ABS
09:39:10	Host' Disc. AOS Guam led + all
09:44:48	1 min to Los Guam
09:51:40	AOS Hawaii Aloha!
09:52:20	COM: Live TV
09:53:38	Hold downlink Can you rd CRT Regen
09:55:37	COM
09:56:55	discussing CRT
09:57:40	ASC temp data
09:58:33	30 sec LOS go ahead + hold till AOS for coverage
10:00:00	COM change of shift at 6:30 CDT
10:03:16	has 4hrs and good downlink TV proceed
10:05:59	Go ahead w/ next
10:10:50	
10:16:07	power up + run thru again
10:22:00	report on coverage of processing

Transcript Profile
Flight 311

Gen: General Activity

LOCAL TIME:

Cassette #

270017

NET
Time

NOTES

10:23:33 LEH10145 valve to close

10:24:50 leave as is no further reports required

Transcript Profile
Flight 51V

4:27pm

Start:	General Activity	LOCAL TIME:
240:01:07:25	Pre Sleep Sleep Period	Cassette # 28

NET Time	NOTES
001:10:27:28	Terminate TV
10:30:00	COM
10:33:20	KU band antenna anymore trouble - Go to reposition we didn't using KU
10:34:20	Sensor on camera commencing on
10:36:00	did you get last temp miss when VTR slaying? Yes - Starts like reserves when you play back VTR you'll get that message
10:41:00	controller to command pos.
10:53:00	control VTR mon.? Standby We powered off but will power it back on
10:55:00	5 min to LOS & to sleep See you tomorrow
11:06:00	COM change of shift at 6:30pm
11:34:00	COM
11:59:00	COM:
12:18:00	COM: change of shift at 6:30pm
13:00:00	COM cabin temp 76°
001:14:00:00	COM: over Africa 75° cabin temp
14:30:00	COM: orbit 26 4:30 min left to sleep
15:00:00	COM: orbit 27
16:00:00	COM: orbit 27

Transcript Profile
Flight 517

1:00 a.m.

LOCAL TIME:

Cassette #

412

Dist: General Activity

2:12:05:58:00

Net:

Time

NOTES

2:19:25:46 CHECK TEMP BEFORE ARM MOVES

19:33:14 AVSAT BURN GOOD - DIDNT JDX BN 1/4 INCH

39:00 LOS TORIS

39:35 COM - WATER DUMP

52:40 COM

34:16 AOS YAR

35:05 CAP UPDATE

20:06:21 PROCESS NORMAL

20:06:01 LOS CAM

04:30 COM - OVER SOUTH PACIFIC - SYMCOM

20:24:31 2020 in BE kind SYMCON CLOSING 120in per
REV

26:53 COM

43:40 COM - MOVING ARM

47:10 LOST TV

48:20 COM

51:14 DIRECT OFF - BRACKS ON

53:49 COM

Transcript Profile
Flight 51-E

4:10 AM
LOCAL TIME:

001:	General Activity	Cassette #
24:09:50:35	SYN COM DEPLOY	32

NET TIME NOTES

12:22:53.15	GOVIA
56:48	COM - PULL PIN
23:00.00	COM DOWNLINK TV ON ORBIT 32 OF PRE DEPLOY
23:11:30	AOS TARS
12:24	CABIN TV CONFIGURED
13:14	COM - 3 PINS RETRACTED
14:44	CONFIGURATION CHANGE
15:11	COM - TV - RELEASE MECH. CHECK
18:07	WOULD LIKE TO START CABIN TV
19:29	COM - TV
22:0	COM - TV SIGNAL DROP OUT
28:00	COM PREDEPLOY
33:49	COM - MANUEVER TO DEPLOY ATT.
37:30	LOOKING GOOD FOR DEPLOY
40:05	COM - PUSH OFF PINS ARE DRIVING
45:31	WILL BE PLAYBACK
48:15	COM PINS RETRACTED
49:0	DISABLE MOTORS
51:51	ITS AWAY !!!
53:31	RATES
54:31	COM - SAT SPINNING UP.

Transcript Profile
Flight 51-I

4:00pm
LOCAL TIME:
Cassette #
4-1

Gen: 242:09:39:10 General Activity

NET Time	NOTES
2:22:03.00	AOS TOR 45
03:20	WILL LET TORS DRUPOUT
04:11	COM - TV
08:05	TURN NOZZLE HEATERS ON
09:44	CLEAR OF BLOCKAGE - DUMP AT 250°
10:24	COM - DUMP STARTED
12:25	STOP DUMP AT 90%?
	DUMP STREAM NOT NORMAL
13:43	COM - ICE BUILD UP
	DUMP NOW? NO LOOK AT STORM
15:40	COM - ELENA
14:50	HAND OVER TO N. HAMPSHIRE
18:05	COM
28:34	GO THRU PROC. LAND CRADLE ARM
35:30	COM
52:17	COM - ORBIT 47
57:07	GETTING READY FOR PRE-BREATH
58:14	LOS - COM
23:06:30	AOS YAR
09:47	LOS COM

Transcript Profile
Flight 51-I

5:53pm

Call:	General Activity	LOCAL TIME:
211-10:52:00	51-I CAM Matrix Display Problem	Cassette 33

Time	NOTES
1:00:54.98	COM
58.36	SPINNING UP
2:00:00.30	COM - MANUEVER
2:00:06.47	CAM - VIS. change
2:00:14.07	Burn report
2:00:14.15	completely normal
2:00:14.22	Start up pins on cradle
2:00:14.47	to check
2:00:15:09	CAM Normal operation - burn
00:16:00	CAM PMS - concerning & keep separate for EVA
00:16:41	CAM Grounding Yawing AOS left
00:20:30	AOS 100 Hawaii
00:26:31	CAM Pregravel motor firing
00:40:26	AOS Hawaii
00:40:31	Request of video of Hawaiian Island
00:43:05	
00:44:41	Blanked - CAM
00:44:50	Two different views on CAM matrix - problem again
00:49:50	CAM light blanking again
00:50:38	Sparks went out at 100 Hawaii
00:51:25	Reconfiguring recorder
00:51:41	Ready for SYNCOM display playback
00:52:35	SYNCOM display Playback
00:58:40	SMN antenna

Transcript Profile
Flight 511

LOCAL TIME: 6:50 AM

Call:	General Activity	Cassette #
241 11 52.0	511 STORMS Plans Odessa Ruby	34

Met. Time	NOTES
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00:50:55	
00:55:26	call makes sense - 2nd deck back up for display
00:56:40	PKM from data look good
00:56:30	Control station, 2nd deck for discussion, Elan
00:57:07	2nd deck and local SYSTEM
00:58:49	Comm
01:01:39	Weather station - 1st of circular motion
01:02:50	Several circular patterns - not as planned yet if we get together - should be good one
01:04:02	Comm - observations of Elan
01:05:41	Mid-pieces - you can call unagitated people or just have another idea.
6:20	Didn't mean to develop a system - if you get together - 1st deck
01:06:43	50 notes just 65 words
01:07:10	Typical Odessa Ruby - info on that
01:07:30	Concern - 1st deck all together
01:08:49	Odessa - 75 notes to 90 - Ruby 65-70
01:09:00	Discovery of warning?
01:09:40	Odessa - 80-100 - Ruby 65-80 - Odessa parking Ruby building
01:11:31	Power of camera of 1st deck
01:11:48	No chess time off



Transcript Profile
Flight 51-I

5:07 am

LOCAL TIME:

Cassette #

45

COY:

242 10:07:51

General Activity

Time

NOTES

2:23:10:27	COM CONV
15:50	LOS
33:33	AOS HAW & TORS
41:27	10-Q PREP TO CONFID CHANGE'S
44:32	COM
48:14	COM - VIEW FROM HOUSTON - WATER DUMP
50:20	LIKE TO USE PAYLOAD BAY CAMERAS
58:00	COM
00:00:06:49	COM - EMPTY BAY
00:00:10:50	COM - Air through helmet
00:00:27:0	Ball clear all the way down the line
00:27:45	Delay - 60' by volume
00:31:40	Commanding - reduce
00:43:00	AOS Yagade
00:50:00	PV TOS - 1 complete before OAMS Pres.
01:01:00	COM - Change of Shift 7:30 AM

Transcript Profile
Flight 517

LOCAL TIME: 7:10 AM

Call: 24112570-15	General Activity 517	Cassette # 54 cont
----------------------	-------------------------	-----------------------

Time	NOTES
002:01:12 (50)	
01:14:11	COM - VIK previously com - 7:30 AM
01:20:20	COM - 7:30 AM change of shift briefing
01:41:20	SOS tel Hawaii
01:45:13	COM - Honolulu
01:51:45	AOS Yagoda
01:53:47	COM - 8:45 AM change of shift briefing
01:59:35	SOS tel Hawaii
01:06:40	AOS Hawaii
01:07:57	SOS tel Hawaii
01:08:10	SOS to get new on? (updating SPOC)
01:09:09	SOS update activity - Hawaii - number of LMA events.
01:10:12	Compl notes address report
01:10:20	SOS tel Hawaii
01:19:00	Tracked Shooting Procedure
01:21:08	Accept - report

Transcript Profile
Flight 51-6

LOCAL TIME: 8:15 AM

Date: 04/13/15/80	General Activity 51-6 Cabin Pressure	Cassette # 47
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Net Time	NOTES
02:02:18.53	com - EVA check out
02:21:10	AOS
02:25:48	AOS Down
02:32:05	AOS
02:35:18	EMU check out completed recharging
02:39:52	AOS
02:46:10	AOS
02:46:20	Cabin pressure clearing - alt down to 10,000
02:53:20	Birds in cabin press. Bird down - identify loaded magazine - not opened.
02:53:54	Observed all end of.
02:54:19	CRT pressure within 1° margin
02:54:30	Problem with telemetry
02:57:17	Value close to zero
02:58:27	South overman onboard
02:58:00	Drant 10000 photos
02:58:48	AUSAT success
02:59:20	com - Philosophy with appearance.
03:20:04	com - Data reliability capabilities
03:34:00	Ship in alert ready
03:34:41	Set up for that now.
03:41:00	com check what you? (Drop out White Sands)
03:42:00	5-6 for total com check

Transcript Prb110
Flight 511

LOCAL TIME:

Call:	General Activity	Thoughts for EVA	Cassette #
24113:16	511	Transit Shunting PDM	35

Met. Title

NOTES

Call	Time	Notes
02:19:00	02:19:00	Transit shunting - PDM
02:25:36	02:25:36	3 processors before coming out of tank.
02:27:46	02:27:46	AGS PDICS
02:28:00	02:28:00	Full mag release rapidly
02:28:17	02:28:17	Expect no response but back enter
02:29:50	02:29:50	MEI counting for gas - identifying up
02:30:17	02:30:17	Transit shunting
02:31:40	02:31:40	Step 9 - read MET
02:34:40	02:34:40	COM - over TV -
02:40:31	02:40:31	PV 700
02:44:10	02:44:10	COM
02:46:10	02:46:10	COM - Yes Mike - 8:45 AM change of Shift.
02:51:00	02:51:00	Thoughts on EVA
02:54:00	02:54:00	Teleprinter with Delta looking time lines. think will take 9-9 1/2 hrs on ground - up. mag checker - maybe not 2 EVAs
02:56:17	02:56:17	Real time call on capture bay usage. Single joints - 2 tools
02:56:58	02:56:58	No. from ground to the RPU - time estimates.
02:56:37	02:56:37	Time estimates for EVA

Transcript Profile
Flight 51I

LOCAL TIME: 9:43 AM

Gen: 242: 14:40:39

General Activity
51I

Cassette #
4/8

Net.
Time

NOTES

03:03:42

Conf. morning for Com check

03:43:40

Found with some anomalies

03:44:20

EV-2 - Good class

03:46:40

Do back up Com check - changes for water change

03:47:20

Yes to Alan

04:09:00

Checked release 3.17.12

04:10:43

Water tanks - A delleb done B to class

Water open ahead tank C open

04:11:24

Readback

04:11:50

Star over -

04:16:20

Com EMU checked water

04:23:26

AOS Hawaii (Shannon-Stein)

04:23:36

Beer Pads

04:26

Readback

28:48

Beer Attitude

Transcript Profile
Flight SI-T

LOCAL TIME: 08:58 AM

Call:	General Activity	Cassette
241:13:56	SI-T RMs for EVA - Capability	36

Time NOTES

02:02:58	RMs kept inside with RMs - manometer near head level which will reach stay secondary mode
03:01:01	Check manometer - working
03:00:11	Back up, Direct (copy to RMs)
03:01:56	Should be time for good line up
03:01:18	Single mode keep backup a direct to keep manometer
03:01:55	Spec up manometer initial & final - run manometer for final
03:01:20	Power up manometer - direct mode now follows manometer
03:02:50	Stop manometer when FES
03:04:47	Start manometer
03:11:50	COM - Backup log into star coming up 9:15 AM EVA procedure described - 1 day or 2 day
03:17:40	AOS TDKS
03:17:50	Redundant check out looks good
03:18:00	Power down TV cameras - Apples etc
03:18:06	Yes will TDKS
03:31:37	AOS Yangky
03:40:46	AOS Quon
04:56:50	AOS Hawaii
05:41:9	AOS TDKS

Transcript Profile
Flight 51-J

LOCAL TIME: 10 28 AM

Start: 242:15:07.4

General Activity
51-J

Cassette #
49

Time

NOTES

04:29:47	Penetration Beam attached
04:30:39	Defeat ops checklist note - Delete description blank Delete Item 21 reports
04:47:12	Question labels closed - check closed - handbook all messages
04:48:49	Outlets open - message received
04:49:07	Control display out of C
05:02:53	FIS A to UON
05:25:40	AOS Penetration Beam
05:39:33	AOS to DQ
05:47:13	Beam Report
05:51:37	PV TASS reports
06:00:40	AOS

Transcript Profile
Flight 51I

LOCAL TIME: 12:30 PM

ENT:	General Activity	Cassette
041 17:21:35	51I	38

HT. TIME	NOTES
06:31:34	CAM
06:35:46	SUS
06:57:51	AOS Maui
06:58:08	13 water down to alpha
06:58:14	Burn in 15 sec 2 mins
07:03:53	105' tall Dunes, Dood Burn
07:04:14	Sections of islands
07:04:35	CAM. Hood Hill Burn - 36 ft from ground - Noob Burn -
07:10:57	Spot them with the camera and walk you down the chain.
07:13:33	2 great views - delete 1 min in few steps
07:16:17	Disably over Hawaii
07:18:41	Great sections - thanks for "Travel Log" ^{with} with you time
07:16:46	Maui - Big Island
07:16:26	Stinks great
07:17:14	7 miles down before damaged mt.
07:18:08	CAM - Hawaii - Views
07:19:00	Notes switch - maybe 3 heater fuel
07:20:14	AOS. TDPS
07:30:10	Do all lens checks
07:36:11	AESAT data from chain

Transcript Profile
Flight 51-I

LOCAL TIME: 12:00 PM

ENT: 245: 16:39:06	General Activity 51-I	Cassette # 50
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NET:
Time

NOTES

Time	NOTES
003: 06:01:00	
06:02:55	Welcome to watch further work on middeck
06:05:00	Journal - further prep during meal
06:07:53	Message 03A - no. procedure necessary if recovered.
06:07:49	Only 1 intermittent failure and came back.
06:09:00	Another PVT. for today
06:09:32	Calculator OK
06:10:28	Demo like running on 2 cells at a time
06:12:18	COM - meal preparation
06:12:33	No further trouble occurring - no power cycle. Nothing else before sleep.
06:13:00	Call check at 150
06:15:33	
06:28:50	Like doing exercises on middeck
06:29:49	4 submer. bandages
06:35:28	Do they increase heartbeats to great degree
06:36:56	Yes but
06:31:04	COM - NC2 tests
06:38:00	COM NC2 tests target loaded down in 13 min
06:59:10	AOS
16:26:33	AOS Done - Procedure for Hawaii

Transcript Profile
Flight 51E

2:40 PM

08:31:10	General Activity	LOCAL TIME:
08:36:14	61T	Cassette
		59

Net Time

NOTES

08:38:20	002	to initiate that procedure
08:39:00		COM
08:40:52		done.
08:41:25		30 sec XOS
08:48:12		AIS Hawaii
08:50:00		A message (update) on satellites deployed.
08:51:42		did you see what Mike's secret trip into military on what "Brown Gulch" means
08:56:13		2min XOS
08:59:06		AOS. DORS.
09:03:00		COM
09:18:00		powering down many
09:25:00		COM
09:42:00		transmission message question
09:45:00		Normal procedure note
09:48:00		COM Change of shift at 11:00pm.
09:51:00		Did you do low chargeout before sleep-1/2. See you tomorrow morning 2min to XOS
002:09:59:00		COM: Change of shift at 1:00pm
10:30:00		COM: Cabin Temp 78°
10:00:00		COM
11:30:00		COM over 40
12:00:00		COM

Transcript Profile
Flight _____

Date:

General Activity

Sleep Personal

LOCAL TIME:

Cassette /
34 cont

MT.

Time

NOTES

000:12:30 COM' with Smith American

13:00' 00 COM' with 4

Transcript Profile
Flight 51E

3:05 PM

LOCAL TIME:

Gen: 242 20:04:50 General Activity

Cassette 52

NET TIME

NOTES

NET TIME	NOTES
003 09:09:00	COM
09:16:00	EVA notes Relay EVA ^{brmf} comp pressure up
09:21:00	EVA cont
09:31:00	COM One sleep det.
09:58:00	Disc Douster
09:59:30	Disc Douster
10:01:00	COM
10:03:40	brmf up PPO2 to 2.0 2.9 alarm thrice in the morning
10:05:00	PPO2 to 3.0 and Rednight ok Mary Jim Adnt
10:30:00	COM:
11:00:00	COM: all quiet ORBIT 5.5
11:30:00	COM
12:00:00	COM:
12:30:00	COM:
13:09:00	COM:

Transcript Profile
Flight _____

7:06pm

003: 12:00:00-24	General Activity <i>Sleep Period</i>	LOCAL TIME: Cassette # 53
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MT. Time	NOTES
003: 13:09:00	COM:
13:30:00	COM.
14:00:00	COM
14:30:00	COM South America
15:00:00	COM orbit 78
003: 15:30:00	COM 2 hrs to awake EVA ^{help} 6 1/2 hours
16:00:00	COM:
16:30:00	COM - EVA
16:58:00	COM - change of shift canceled
17:23:00	COM LOS CAM
17:36:15	WAKE UP CALL - I-GET AROUND - BEACH BOYS
37:40	NICE DAY FOR EVA
18:03:11	COM - COEPTIC MANUEVER - CLOSING DISTANCE SHIFT HAND OVER COMPLETE

Transcript Profile
Flight 51-5

2:35

On: 243:07:31.00	General Activity	LOCAL TIME: Cassette # 50
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NET Time	NOTES
3:20:36.20	COM STAR TRACKER FAILED SET
52:17	AOS TORS
	RADAR IS YOURS
53:53	NC5 UPDATE
56:36	BVA INFO - (OPTIONS and Battery Power)
01:00:00	COM - STAND BY FOR TV
05:00	COM - TV
15:41	COM - TV REPLAY
21:27	COM NCI NCI BURN
	COM - SPACE SUITS READY
	COM - PLAY BACK FINISHED
34:51	BURN UNDER WAY
42:12	NOMINAL BURN - CLOSING ON SYDNEY
44:02	COM
46:30	WE GOT IT AND CLOSING LOS TORS
57:14	AOS YAR
59:00	INTERMEDIATE SOLUTION
22:01:10	STAR TRACKER
	NOSE DOWN ACROSS AUSTRALIA
08:13	COM
09:39	LOS CAN MIGHT GET RADAR DETAILS

Transcript Profile
Flight 51^{EF}

6/25/64

Call:	General Activity	LOCAL TIME:
243:07 - 244:07		Cassette # 57

MT Time	NOTES
3:22:26:14	ACU ⁵ HAW - LAMBERT TARGETS
43:31:04	COM - RBNDR RADAR GOT DETECT
43:19	TI - DELAY
43:58	RADAR DATA LOOKS GOOD
	CAU SEE HOUSTON - GREAT NORTHERN LIGHTS
43:14	PRETOR TO EVA PREP
43:54	COM - LIVE TV
44:59	HURRICANE TURNED EAST HIT FLORIDA
	COM - ORBITAL SUNRISE
44:28	TI UPDATE
53:41	MILA DOWN LINK (COM)
23113:20	COM
14:18	WAS NOMINAC
	DOING REAL GOOD - FUEL CELL MESS.
20:11	UPLINKING BEFORE LOS
23:54	LOS Y TDRS
26:01	COM
36:02	MCIL REPORT
41:15	READY TO COME
43:06	GOING LOS - WORKING DOWN SPIN AXIS

Transcript Profile
Flight 51E

5:40 AM

Alt:	General Activity	LOCAL TIME:
243.10 41:30		Cassette #
		58

Met. Time	NOTES
03:23:44:10	COM
	STATIC
4:00:00:00	ABS HAW TO the Starboard and nose - nose to the earth
04:03	CLEAR TV
04:14	RE CONFIGURE COM
05:00	COM
13:55	COM CYCLING THRU PAYLOAD BAY - CREW W PREPARING ARM
14:24	COM - RANGE 5450 m
20:10	SPIN RATE
26:30	COM 34MCOM 2300 FEET
00:45:40	Wentles auto
00:46:50	Temp up on carrier - time 100
00:47:10	Adm on deck depress
00:47:50	Depress left bilts
01:00:40	Went talk to you at Yagradly
1:00:58	They're feeling good.
1:04:00	Com: Charge of Shift 8:11 AM concerned abt to EVA operators

Transcript Profile
Flight 51-I

LOCAL TIME: 7/11/72

Call: 243:12:11:26	General Activity: 51-I EVA Begins	Cassette #: 57
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Start Time	NOTES
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004:01:13:15	
01:24:06	AGS Down
01:21:20	Or + Fisher getting ready
01:25:31	Baker to ^{standby}
01:37:10	TV of EVA - Heftel tethered and in ^{jetting} jet restraint Bed Bands.
01:38:43	See notes on SYNCR-

Transcript Profile
Flight 51I

LOCAL TIME: 7:33 AM

Call: 243-DR 57-33	General Activity: 51I EVA	Cassette #: 6B
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Time	NOTES
004: 01:39:30	COM - See Hardy any, rotation on STANCOM
01:41:08	Put marks on
01:41:30	Pretty good load
42:50	Trying to get trans on -
01:43:04	More perpendicular
01:43:21	Course to S - end out of upper way
01:43:45	When I punch it, gives...
01:44:07	Getting, only, upper way
01:46:57	Can see it directly
01:46:12	Hold it there
01:48:06	Foot restraints - by 3"
01:49:04	Lead status check, for EV2
01:50:23	Take me down Mike
01:51:34	2 separate ones
01:52:43	see the term in the world
01:54:30	Distortion notes -
01:56:10	Yikes - further away -
57:18	Where they are

Transcript Profile
Flight 513

LOCAL TIME: 7:56am

DATE: 12:56:34	General Activity 513	Cassette # 61
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NET: Time NOTES

004: 01:57:38	
01:58:14	See Elmer See Elmer
01:58:50	Don not going to tether
01:59:09	Don - Unstable grasp, along beam
01:59:38	Much better wing out
02:00:42	Ox - Unstable grasp, beam - look at it now.
02:01:24	Don see another tether Fish
02:01:56	Have a tether
02:02:37	Ready to go after the guy
02:02:49	Jump out for Mrs. Bag
02:03:00	Don to flight 35
02:03:11	90° head left to get to lower side
02:03:40	Bringing the bag up
02:04:18	Watch head reflection Fish
02:05:00	Better go around other way
02:06:35	Don't have many dives to help with tether
02:06:00	Don't admit - Not the most
02:06:40	Making good OX
02:07:40	1 guy Pretty close to wing
02:12:29	Start VOK next pass
02:13:30	Don up + 5°
	NO OVERLAP

Transcript Profile
Flight 51-I

LOCAL TIME: 8:30 AM

DTG: 243:13:21:30	General Activity 51-I	Cassette 62
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NET Time NOTES

02:23:27	
02:24:50	On computer
02:25:14	Safety lever is
02:26:34	Safety lever is
02:26:46	Diana wants to go down - tonight need a little help.
02:29:15	COM - Duranoids of satellite - \$15,000 lbs.
02:30:22	What camera over target? Shut it off.
02:37:54	Bringing to down and trying it.
02:38:20	Data given to a by OX
02:38:25	Put together in it.
3:50:62	ADS Mean
04:00	Hi Boney

Hi Mike
from Jim

Transcript Profile
Flight 51-J

LOCAL TIME: 9:00 AM

Cont:	General Activity	Cassette #
045:13:59:29	51-J EVA - BAR IN PLACE	63

Net Time	NOTES
03:03:01.20	Sample to control
03:03:14.7	Walk reconfiguring now
03:02:49	Down pedes now
3:48	Down Down
	"
	"
03:05:18	Can bend over getting from where I have to be bend
03:10:31	When you get stabilized Mary is
03:11:30	COM Used capture bar rather than stepping a step
03:15:00	Holds it right up
03:16:12	I have the dent
03:18:20	Walk things very slowly
03:16:24	Feel a little to left
03:15:40	
03:18:47	Have not reached first vertical step
03:16:00	Foot traction in left hand
03:16:12	Handling drill in right hand
03:17:15	Bar is for on vent or can use to bring it when we need it
03:17:37	We're going to
03:17:00	Bring down handle
03:18:24	I think "air goes" it looks
03:19:20	Very easy to hold it

Transcript Profile
Flight 51-T

LOCAL TIME: 9:18 AM

Call:	General Activity	Cassette #
243:14:18:00	51-T GRAPPLE BAR ATTACHED	64

Time	NOTES
------	-------

03:05:20:00

03:06:00 Keep patch in

03:07:00 EMU status reports

03:07:16 Fresh lunch ~~planning~~ about 7^{1/2} tons

03:08:29 Can feel hand rolling railroad

03:08:38 Solar cells can tell roll rate

03:09:01 Turn off EMU lights

03:09:30 Deal check

03:09:57 OK - it's on - Lab in down - GRAPPLE BAR

03:09:58 Behind our time line

03:09:58 OK - about an hour (Punch Nelson)

03:09:58 Catb see anything going on - ~~ridley~~ tell me

03:09:58 Muzyski - Primary check - ^{Control} ~~single~~ ~~solely~~ (Nelson)

Transcript Profile
Flight 51I

LOCAL TIME 09:45 AM
Cassette 65

Call: 243:14:43:08

General Activity
51I

EVA

MET.
Time

NOTES

03:44:03:46:01

03:54:40 Door position right thru
04:00:35 Stabilized and good

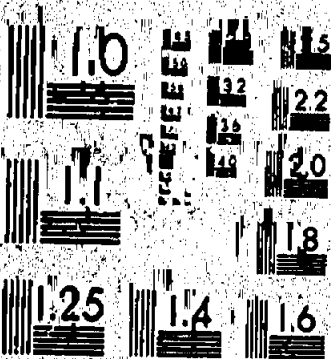
Transcript Profile
Flight 51I

LOCAL TIME: 10:05 AM

COY:	General Activity	Cassette
243:15:01:1	51-I SYNCHRON CAPTURE BY RMS	66

NET Time	NOTES
----------	-------

04:04:03:10	Nozzle coming in a little
04:05:49	Hold her steady - end of speaker over my right shoulder
04:04:26	Yuzges to buddy - RMS captured
04:04:14	Jobs with
04:05:20	W's 20 up to work firing it.
04:05:36	Al the miles is looks at 6:00
04:05:44	Big piece of grey tape from last attempt bring back for convenience
04:06:30	Primary jets OK
04:06:41	Maining on time line
04:07:22	For Uddy has to say yes



MICROCOPY RESOLUTION TEST CHART
 NATIONAL BUREAU OF STANDARDS-1963-A

Transcript Profile
Flight 51-I

LOCAL TIME: 11:05 AM

Day:	General Activity	Cassette #
043: 16:05:40	51-I Screw Remarks	68

Net Time	NOTES
----------	-------

004: 05:07:39

05:08:30 Carpet - all you have to do is bring her in and roll her down a little.

05:09:11 Caution - warning - cabin atmosphere - intermittent

05:09:37 Stop - not any clothes - roll covers darker

05:10:10 Atmosphere checks real good - no problems

05:10:38 Hold Mike - 2 good H.

05:10:40 ~~2~~ ⁷ coming out today

05:11:27 OX - Slatted

05:12:07 2 screens off and in the bag - 2 more to go

05:12:44 Pull off covers - washers come off - just waiting time

05:17:16 ~~05:17:16~~ Camp 1. all items in bag - look good.

05:17:38 1st boot boots and caddy installed

Transcript Profile
Flight 511

LOCAL TIME 11:26 AM

Call: 243-16-25-2	General Activity 511	Cassette # 69
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NET. Time	NOTES
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004-05 2700

05:27:30 Needs 6" lg

05:28:00 No overlap on plate but no problem

05:28:10 Show SEU

05:29:59 Back on time line

05:31:17 Remove 3 fld caps - 30th and 1 fld. cap

05:32:00 Yaw is going to make it tight on the
cbr. I barely reach to put connectors on

05:32:30 Nobody said it'd be easy

05:36:30 Get the screw

05:44:11 Bring her in buddy

05:44:42 Frame is on

05:45:14 Order of connections

05:45:30 Claps as a whistle

05:45:40 Semulators - buttons turned - exactly like that.

Transcript Profile
Flight 511

LOCAL TIME: 12:30pm

Call: 243:17:28:50	General Activity 511	Cassette # 171
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Net Time	NOTES
----------	-------

06:30:49	
06:31:43	Verify cabin maintenance check.
06:36:22	Threat Pass
06:36:41	Back view of gauge -
06:36:56	No gauge - no damage to overhead elements
06:37:17	Drop engine?
06:37:57	Looks good - like the fuel launched
06:41:10	You're cutting into pretty bad.
06:44:03	I can't help it
06:44:10	That's why I'm sure he's hearing
06:44:10	Nothing personal
06:48:10	in old y. Helthens

Transcript Profile
Flight 51I

LOCAL TIME: 12:48 pm

043:17:47:30	General Activity 51I De-Spin Cover off	Cassette # 72
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Time	NOTES
06:49:26	Undid wires to cables
06:50:08	Mikey - bring it on down
06:50:52	Bugs to get black on
06:51:36	Doc et: Bring to in new Mike
06:52:00	Bring to in new Mike
06:52:00	De-spin shell seen: looks fine - need to get closer
06:58:51	WA H1 - WA - get this there
06:59:12	KU to command
06:59:26	De-spin cover - 4 loose - 2 broke off - photo off - small wire guide antenna seen - hard to see
07:01:20	4 4 connectors off with J4 types
07:02:01	J5 & J4 caps off de-spin
07:03:04	Will screws interfere?
07:03:16	None at all
07:03:46	COM - explanation of procedure
07:06:20	Ready for KU checks
07:06:58	Wire on clamp sunshield of day 22 OMU1 antenna in this patch
07:07:17	Mark change
07:07:22	Remove cap

Transcript Profile
Flight 51 I

LOCAL TIME: 1:06 pm

07:18:05-156	General Activity 51 I OMNI Antenna Deploy	Cassette # 73
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Time	NOTES
07:07:43	Good direction
07:07:54	Plenty of cable
9:20	2 hrs.
07:09:29	lights on
07:09:37	RDV to double
7:09:47	2 green lights
7:09:51	off
7:09:58	OMNI clear
7:10:03	OMNI fine looking good - Not any OMNI Deploy
7:10:08	RDV change
7:10:33	lights on
7:10:46	Back to where it was
7:10:48	arms out that way
7:15:24	While do you say we clear then shell up DX
7:17:00	Storing caps clear up then put on caps.
7:17:18	Batteries now empty - up to 30 min.
7:21:00	Never had room for lock tool "tools" reconfigured to make room for lock.

Transcript Profile
Flight 51I

LOCAL TIME: 1:26 PM

043:18:26:00	General Activity 51I	Cassette # 74
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Time	NOTES
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07:28:00	
07:28:58	Worst handle I have ever seen
07:29:20	Cap is on breechie take her away Michael
07:30:03	Spent night to good position
07:30:52	UHF antenna - perfect condition
07:31:09	Excellent work
07:32:45	Dozed break - good for tonight?
07:33:00	Concurs - pretty good down work
07:33:40	Stays in table look good - take those a - cancel maneuvers for tonight.
07:35:30	String slips in PPU.
07:36:40	Show everything that from scratch
07:36:00	Show PFR in for tonight
07:36:46	^{com} VOIS TOPS - 6" has of 4 first of two EVA's.
07:37:00	com - to recap of EVA procedures
07:36:56	Finished PLB cleanup - will bring them in
07:58:00	Can't figure out why this thing is so stiff

Transcript Profile
Flight 51-I

LOCAL TIME 11:58 PM
Cassette # 75

043:19:57:4
General Activity
51-I EVA Progress

MT
Time

NOTES

004:08:59:48

:08:02:30 To be ready for battery recharging onboard

:08:03:12 Take my picture Corey.

:08:12:00 Status checks on EV 1.02

:08:14:00 enter hatch close H lock

:08:16:48 30 sec LOS - TDRS in a few min.

:08:18:00 CDM

Transcript Profile
Flight 51 I

2:18pm

LOCAL TIME:

Cassette #

70

043:19:17:15 General Activity

NET Time	NOTES
004:08:19:00	COM CONT
08:20:00	AOS TDRS
08:23:00	COM: partial repress of airlock
08:26:00	COM.
08:27:30	post airlock proc.
08:36:40	Ku to command - can we have flight deck IV. Will do that
08:37:00	COM: Payload bay IV shortly
08:37:53	ASC & Aussat temp check if possible
08:41:15	O2 tank 3 ¹⁴ just about to hit 50% so off - ok done
08:45:00	COM: looking at Syncom Live IV.
08:50:30	ASC temp noisy AUSSAT temperatures yet - just now getting data
08:55:00	we've got ASC data you can power down to reconfig.
09:07:20	EMU battery recharged done?
09:16:30	PVROS cell 7 activated through AOS
09:18:00	COM: Change of Shift #.000/Bill Reeves
09:35:00	AOS Guam you wanna sleep in 1/2 hr - fly why don't we do that
09:38:00	Start charging 1 battery tonight

Transcript Profile
Flight 57 I

3:40 pm

LOCAL TIME:

GMT:	General Activity	Cassette #
243:20:36:47		77

GMT Time	NOTES
004:09:38:57	leave old batteries in EMU to put on charge OK -
09:40:04	file note on crew resting
09:42:29	Going to see you tomorrow Ok Hadwite -
09:43:00	COM: Change of Shift 1:00pm
10:00:00	You can sleep on orbit as tomorrow bc 19:00 met wakeup Goodnight - Good job - Frank see you at 19:00 hrs in the morning
10:30:00	COM EVA lasted 1 hr 8 min breaking record by 1 min.
10:00:00	COM → shut time for EVA + MET & how left for sleep
11:30:00	7:58 AM EVA Shut Com. starting to see Discovery @ 5:11 AM W to ESE 23900 170 nautical miles orbit 51
12:01:00	COM:
12:30:00	Com 6 1/2 hrs left in sleep period entering Hadwite in 2 min
13:00:00	COM:
13:30:00	COM: Wake up around 1 AM CDT EVA tomorrow for 4 hrs. (approx)
14:00:00	COM

Transcript Profile
Flight 57 I

8:00 PM

COM
04:01:00:30

General Activity

LOCAL TIME:

Cassette #

78

TIME

NOTES

004:14:01:30	COM call
14:30:00	COM: EVA start 7:35 COM
14:59:00	COM
15:10:00	COM: Unscheduled IV of payload by
15:15:00	COM: " " of a room attached to manipulation arm in approx 15 min.
15:31:00	COM: IV in Harris getting video now from discovery
15:33:00	COM: near daylight, IV will get better
15:35:00	COM: Live IV
15:39:00	COM: daylight now
15:40:00	COM: IV
16:30:00	COM: Change of Shift Canceled Chance of sighting
17:37:00	COM

Transcript Profile
Flight 51-I

LOCAL TIME: 1023 am
Cassette # 91 cont.

GMT:	General Activity
244 15:14:01	51-I

Met. Time	NOTES
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04:09:20 00	CRM-
04:20:39	F-Stop 11; 8-11 for this stuff
04:21:17	Figuring cap. when available in relation to solids
04:23:14	Range finder = 200 ft aft of solids
04:23:35	Cancel Z maneuver
04:24:30	Auto digit attached before scan
04:25:50	TRSI Break
05:17:43	Ab all. tubes
05:18:20	On cap left to go

Transcript Profile
Flight 51-F

11/40 2005

LOCAL TIME:

Cassette #

79

Time	General Activity
17:04:38.10	

Time	NOTES
17:40:28	COM CON
17:03:00	COM
18:46:00	COM
18:57:30	COM PKM MOTOR
19:01:08	GOOD MORNING HOUSTON MUSIC W/ WILLIE NELSON
19:02:55	WOT TELEPRINTER - THANKS FOR SLEEP
19:04:41	HEATER POSITION
19:06:07	COM LOS TOAS
19:14:17	WORKING FORWARD TO DEPLOY
19:59:06	INSPECT KEY BOARD MINISOTA - OR LAURENCE ASTRONAUT

Transcript Profile
Flight 51-J

2:00 am

LOCAL TIME:

Cassette #

80

244:06:59.34	General Activity	LOCAL TIME: Cassette # 80
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Net Time	NOTES
20:02:14	COM - PAYLOAD BAY VIEWS COMING UP
26:12:25	COM - LOS MILIA
20:15:00	LOOKING FOR TAPE TO DUMP DURING BREAKFAST
26:50	TAPE CHOICE - PAYLOAD BAY VIEWS
	SYMCOM DRG
28:06	FIRST GRAB
36:00	STILL GETTING DOWN LINK
37:58	COM - UTR DUMP EXPLANATION
41:58	LOS TDRS
53:54	COM
57:19	EVA TIMELINE UPDATE
	ORBIT ADJUST DOWN
21:00:09	SINCE JOINT OPS
01:30	INHIBITED WARNING
05:00	COM -
	AOR TDRS
21:29:14	BEEN IN SLOWLY : TUMBLING SYMCOM CRAPPLE
	CLEAR DOWN THERE - WE'LL SAVE A
32:11	LIGHT

Transcript Profile
Flight 51-I

LOCAL TIME: 10:24

cat: General Activity
244: 15 242 51-I

Cassette 92

Met.
Time

NOTES

005: 04:26:19

04:27:20 com - Next TV at 10:36 Replay

04:28:10 Hands cold -

04:30:00 Picking up some nice garbage

04:35:30 Go for OAMS good runway

04:33:50 walking good OX

Transcript Profile
Flight 51J

LOCAL TIME: 10:55 AM

Call: 244 15:46:00	General Activity 51J	Cassette # 93
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Net Time	NOTES
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005:04:55.0	Tethers - Cleaning up to come inside
02:17	GOS-421 Navac IMU checks good - buckets track to track
04:22:40	Wrap up tape many parts in - on work
04:22:53	Checklist
04:24:00	adm - Final check to inspect all work
	11:26 in TV - VTR dumping
	SYNCOM retransmit through Puerto Rico 83

Transcript Profile
Flight 51-E

Call	General Activity	LOCAL TIME:
244:08:45:01		Cassette 81

NET Time	NOTES
4:21:50:11	LOS MILA
54:00	NEG. SITING LAST PART
55:30	REFER SINGLE JOINT POSITION
	EARTH OPS - DIRTY PICTURES - HALF OF AFRICA
	BLOWING OVER THE ATLANTIC - REAL
	CONSISTANT.
20:04:13	TURN VTR BACK ON
06:51	NEW CONFIG - IN EXEC PKG.
08:37	NOW TO CRT TO SINGLE JOINT OPS
	FROM NOM 20 - TO NOM 21
14:32	SHOULDER PITCH +32? WE'LL CHECK
15:22	ON BATTERY POWER LCB TO AIRLOCK POWER
15:58	EM US ON BATTERY POWER? NO AIR LOCK POWER
21:51	WOB TRY
25:28	COM
33:12	AOS YAR
34:00	START BOILING WATER? AFFIRM
37:15	RMS CONFIG PLOW
38:40	RE CONFIGURE HIGHER
41:45	LOS
43:00	COM

Transcript Profile
Flight 51-I

LOCAL TIME: 4/14/0 AM
Cassette # 82

Gen: General Activity
244:09:40:40

NET TIME	NOTES
4:22:43:22	COM. CONT.
56:15	AOS HAW
59:08	READY FOR TAPES IN A MINUTE - GO FOR VTR
00:55	COM - VTR DOWN PLAY
04:20	GREAT TV - HARD TO KEEP MOVIE TO 2 HRS
05:09	COM - SHUTTLE PASS OVER
	WE'LL HOON BE OUR WINGS - HAVE LIGHT AVAILABLE - IN HAND
10:26	COULD GET VIDEO OF STORM I WILL HAVE TO STOP VIDEO PLAYER
14:11	LOOK AT CAMERA C - SEE ELANA
15:23	CAN SEE LIGHTNING
16:08	COM
18:47	IS THAT DALLAS?
19:53	TERMINATOR QUICK
20:46	COM
22:27	GETTING GOOD PICTURE
26:48	COULDN'T SEE YOU TILL YOU HIT SUNLIGHT
28:30	LOS MILIA
28:47	COM
35:22	KU 11 BLOCKOFF
	COM
42:28	READY FOR EVA COM CHECK

Transcript Profile
Flight 5145

LOCAL TIME:

Day:

General Activity

Cassette #

82 cont.

Time

NOTES

4:23:44-171 READY FOR COME CHECK

4:51:54 HAVE GOOD PREBREATH

51:10 START EVA TAPES

51:30 CAN CONT VTR

52:30 CONT - VTR

Transcript Profile
Flight D1-I

6.0m

LOCAL TIME:

Cassette #
83

001: 244:10:56:30	General Activity Viewing Hushie talk ALANA	
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NET Time	NOTES
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4:23:51:54	COM
5:00:00:40	LOS TDR's
00:10:24	LOS
00:11:24	10.2 mant.
00:12:09	RE-DO AGWIN
00:17:47	LOS YAK
00:18:30	COM
00:24:04	LOS Chan
00:27:30	LOS talk Hawaii - would like middle camera
00:35:03	LOS Hawaii
00:40:47	Flight deck & middle camera
00:51:20	Good morning to you.
00:56:50	Should be getting good view - really pretty
00:57:13	W guess I should "impress"
00:57:58	Eye beginning to develop classically
01:03:13	Numbers of US today

Transcript Profile
Flight 51-I

12:58 PM

LOCAL TIME: ~~12:58 PM~~

Unit:	General Activity	Cassette #
244:17:57:00	51-I	96

NET Time	NOTES
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06:03:48	COM - Telemetry with SYNCOM - Healthy!
06:23:37	Dober completed. Healer or status good
06:25:57	Prasad on punch enthusiastic
06:26:20	Thurs 3, 4, 7
06:26:30	5 if you count engine cases
06:27:04	6 if you count planes test
06:36:08	Not to check cases - show process & complete
	Primary caution warning
06:40:50	AS SAT powered and go thru log?
06:41:03	Not powered
06:49:02	Good data on ASG
06:53:00	Used tally - SYNCOM sporadically in use
08:09:32	Trouble shooting
08:12:20	205 bill Duhan
08:33:00	AOS change speed on recorder
08:39:25	1 min to AOS
08:47:48	Skewer for 3 1/2 min. Storm 1st report
08:49:33	1 min to AOS

Transcript Profile
Flight 511

2:49 PM

LOCAL TIME:

Call:	General Activity	Cassette #
1944:14:48:27	Sleep Period	97

Met. Time	NOTES
005:08:51:57	
09:00:00	COM: Change of shift over
09:29:00	Last call + file notes State vector looks good overnite. Ok Frank Frank for good work today were proud of you goodnite - ok Frank to all of you down there goodnite
09:30:00	COM: Just told crew goodnite.
10:00:00	COM: orbit 87
10:30:25	COM:
11:00:00	COM: crew act plans for 3 into day 7
11:30:00	COM: Oh no left in sleep period orbit 87
12:00:00	COM:
12:30:00	COM:
13:00:00	COM: 4 hrs to wake up
14:00:00	COM: all quiet in Mission Control power glitch in Mission Control because of weather outside
14:30:00	COM
15:30:00	COM

Transcript Profile
Flight 511

9:32 pm

02:33:45	General Activity POST SLEEP	LOCAL TIME: Cassette # 98
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Time	NOTES
00:15:36:00	
16:00:00	COM
16:34:00	COM
17:30:51	WAKE UP STORMY WEATHER - WILLIE NELSON
17:34:00	THANKS FOR THE SLEEP
34:31	WERE WE IMPRESSED - INCREDIBLE
35:30	COM - change of shift canceled
39:30	COM - change of shift canceled
18:01:00	LOS TDRS - STATE VECTOR COMING UP
18:16:27	AOS YAR
18:30:24	LOS CALL - GO FOR EMU ALLIEN
18:47:58	AOS TDRS
19:07:38	LOST MASTER ALARM
19:36:09	TEMP CHECKS OR WAIT TILL CAMBARRA OX - WATCHING YOUR REPLAY OF SPINNING UP THE SATTALITE - Beast to maneuver worked like the simulator said.
19:39:25	THANK FOR ALL THAT DATA
19:42:31	LOS TDRS
19:44:31	AOS YAR
20:00:11	LOS - COMING NEAR TDRS
20:26:00	AOS TDRS
20:29:23	COM - RAISE CABIN PRESSURE

Transcript Profile
Flight 51-I

LOCAL TIME: 8:00 AM

Date: 244: 13:01/10	General Activity 51-I	Cassette # 86
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Time NOTES

02:02:03:09

02:04:16 Camera on - Lake's has camera

02:13:54 Motel television

02:14:10 Velcro in trough

02:15:50 Really hard a hypothesis for this stuff

02:18:50 They think an upper lip's supposed to be
right underneath.

02:21:46 Muzz's says all above till when is off

02:34 180 to get to clip

Transcript Profile
Flight 51-1

LOCAL TIME! 8:22 AM

DATE: 11/13/2019	General Activity 51-1 SBU Power	Cassette # 817
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NET
TIME

NOTES

00:02:22

02:26:20

02:26:20

02:27:08

02:27:50

02:28:31

02:28:48

02:29:00

02:39:40

02:40:22

02:40:47

02:40:59

Womb to long WOO (May 40). The locomotive

131 hertz

Go ahead out window - Ha Ha Ha Ha Ha

Mickey - sticks your head out the window

Reflection in the window

Stop looking window

Turn around gallery with Mickey

Push up table

Stall checks

Open A & B

Bob drive - lights on

A & B lights on

Both flashing in shield

Transcript Profile
Flight 51-I

3:55

On: 245:08:50/14

General Activity

LOCAL TIME:

Cassette #
100

Time

NOTES

5: 21:48:56	RESTART ON HOT FIRE TEST
21:59:37	COM
22:08:20	VALVE IS OPEN TV IS CONFIRM.
22:22:11	1 PCM COUNT
22:22:45	COM - GOOD BURN
22:23:00	FES CHECKOUT
22:32:00	CAN SEE WE'RE GETTING IT UP
22:37:12	APU START IS READY - GO FOR START
22:37:44	COM
43:50	READY FOR APU SHUT DOWN - GO FOR IT.
45:31	COM - APU RUN
59:05	THE MICHES IS COMMANDING SYMLON
59:15	LOS TD RS
23:02:09	COM - VIDEO OF ELANA
23:08:57	AOS YAR
16:4	LOS YAR
34:10	COM
34:29	AOS HAW
35:00	COMPLETED CHECK OUT
38:00	DOWNLINK OVER MILITARY VIDEO OF ELANA
40:00	COM
	READY FOR DOWNLINK - GOING FOR MICHES TD RS

Transcript Profile
 Flight 5-I

LOCAL TIME: 8-11/81m

044:13:44:22	General Activity 5-I	Cassette # 88
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Net Time	NOTES
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02:52:46	
02:57:00	Com - Orbiter instruments to deploy attitude
03:01:00	Diagnose malfunctions in DMS (check cassette)
	diag. DMS aspects
03:08:00	Ready to separate
03:08:27	Diagnose malfunctions in DMS (check cassette)
03:10:00	Mechanical arm released (check)

Transcript Profile
Flight 51-F

5:45am

Call: 245:10:43:06	General Activity 51-I	LOCAL TIME: 5:45am Cassette # 101
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Time	NOTES
5:23:45:30	FULL MOON (6000 SHOTS) can see Florida 125 mph winds
47:55	Thats about it
53:12	DROPPED OUT
	FLIGHT NOTE
57:44	CALL WE COME ON FLIGHT DECK?
01:00:00:00	COM
00:01:01	REAL PRETTY COMING OVER HOUSTON.
00:14:00	FEW MINUTES OF TV LEFT
00:36:00	COM - Good data for SYNCOM
00:35:33	Hughes - no noticeable wobble
00:36:30	Electrical report.
00:40:11	LOS tel Hawaii
00:59:20	AOS Maui
01:07:06	LOS tel Hawaii - Flight deck TV
01:11:43	AOS Hawaii -

Transcript Profile
Flight 51-E

LOCAL TIME: 9:10 AM

Date: 244: 14 11124	General Activity 51-E	Cassette # 89
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Net. Time	NOTES
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03:13:23	
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03:15:00	Com. RMS has grasped seat restraints
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03:36:30	AOS Delay
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03:36:39	Spin down gravity ch
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03:39:00	How to watch it - drifting away west way
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03:39:07	Status check
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EVA-

03:48:31	Com. 45 min. ahead of timeline - 2nd day
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03:50:10	KLM - TV Fisher on handling ch
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Transcript Profile

Flight 51J

LOCAL TIME: 7:10

Date: 245: 12:12:48	General Activity: 51J	Cassette #
		102

Net Time	NOTES
006: 01:14:47	
01:24:06	Deposited water from presentation
01:25:37	Standard 8 oz. the - 16 oz.
01:26:57	8 oz. looks like about 2 or 3 oz.
01:26:57	Comp appearance, you'll bring up like that
01:26:20	Jap really "turned" this - Mary team
01:29:36	P.B. cameras
01:30:58	Coming up on class. Pretty impressive storm
01:31:23	Mary De landing near New Orleans
01:44:20	Showering by for water dump
02:12:50	Altitude going up console
02:50:00	As 1 location TD/S
02:50:10	Will start dump at 250
03:15:14	Event distribution - Volcano
03:52:50	Stopped dump just before spilled

Transcript Profile
Flight 51 J

LOCAL TIME 19:52:17

DATE	General Activity	Cassette #
2/14/84 14:49:10	51 J Handling Bar Forward	90

MT. Time	NOTES
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03:53:51	
03:54:00	45° 15° egg and horizontal
03:54:10	From see a little bit of left wing
03:56:14	Drifting forward
04:00:14	Yarn gone up structure
04:03:25	com Handling Bar Forward
04:04:10	Bar in egg Handling Bar
04:04:48	Feet like making putting feet
04:04:59	Barrel than putting it
04:07:09	Don't use any help
04:07:54	Something moving it - rather not do that - don't do that as all for card handle that date.
04:08:36	Bar unsprung restraint

Transcript Profile
Flight 51-I

LOCAL TIME: 9:54 AM

Dir: General Activity
245:14:53:34 51-I DEAK

Cassette #
103

Time NOTES

03:03:59:34

03:14:36 Chasing U2 tracks

03:20:40 Dead target leak

03:31:51 Clear up on supply, night down

03:36:40 Tighten to stop leak - don't break anything

03:41:40 Leak stopped

03:42:46 Bug Reiser - oh all counts

03:50:34 General CRT 3

Transcript Profile
Flight 51-I

LOCAL TIME: 1739-10

DTG: 249.16:34:30	General Activity 51-I	Cassette # 104
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MET. TIME	NOTES
06:05:36.29	
06:38:00	56 A #6
06:38:14	Wednesday & Thursday New Orleans
06:42:57	No hypoxia message
07:11:00	com.
07:32:01	AOS stream
07:34:22	TMU numbers
08:43:00	pre sleep notes - Study
08:44:00	go ahead to cross over system open
	get you ready for sleep
	Say again -
08:47:23	cant go to sleep until I get this up to
	you to listen - (repeats)

Transcript Prd 110
Flight 51-I

LOCAL TIME: 10:01 AM

04:15:06:52 General Activity VAN KOTTEN SPINS UP
51-I SYNDROM DEPLOY - Cassette # 91

Time	NOTES
04:08:5	
04:09:10	diff. reads a bit down
04:09:27	Disconnect, Disconnect, Disconnect - new 91 for flight for deploy.
04:10:02	Stills can be used with 81's
04:11:20	Ready
04:11:33	Missed fuel OK
04:11:45	May be another handle on it
04:11:58	Turbin's still bleeding too - give another gas
04:12:47	Heard the punch forward
04:13:01	Good read OK -
04:13:05	Let me see if I can get it a few
04:13:44	Stalls gas is up - that looks good
04:14:07	Atollage
04:14:10	Good steady spin rates - attitude
04:15:07	Perfect spin
04:16:15	See instruments
04:17:07	Must still be unstable
04:17:20	com - 10:09 AM SYNDROM Deploy
04:17:24	Me for how 2 see anytime
04:18:18	3 rpm - spin rate
04:18:39	admits stability - lib structure
04:19:04	Can still see wings shaking
04:19:18	Hope it works

Transcript Profile
Flight 51-I

2,45 PM

Dir:	General Activity	LOCAL TIME:
2015: 19 46:16	51-I	Cassette #
		105

MT Time	NOTES
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08:48:28	R12 Supply water tank A inlet to open 3 min to AOS
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08:57:30	COM: that space fans just about surrounded it Change of shift at 7:00pm cancelled
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09:09:48	AOS
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09:19:00	COS - Goodnight - enjoyed working w/you
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09:19:47	COM: telling crew goodnite
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ended counter # 143 for
deliberating

Transcript Profile
Flight 51E

3:33pm

Off:	General Activity	LOCAL TIME:
245:20:33:41	Sleep Period	Cassette # 106

Net Time	NOTES
006:09:36:51	
006:09:47:34	COM Change of Shift at 1000 pm cancelled
09:54:15	Disc about sorry to bother you change lup cans. Thank for reminder
10:00:00	COM
10:30:00	COM: Cabin temp 80°
11:00:00	COM
11:40:00	COM
12:00:00	COM
12:30:00	COM: 5 hrs before awake
13:00:00	COM: no problems orbit 10 ⁵
13:31:00	COM: report on physcom's ^{dragging} 3rd ed. AF for attitude align at 4:48 ¹⁵ chance to see Discovery pass over Houston.
14:00:37	COM orbit 10 ⁴
14:30:00	COM 3 hrs to wake up
15:00:00	COM: Cabin temp 77° w/ 27% humidity
15:30:00	COM
16:00:00	COM: 1 1/2 hrs to wake up Landing 8:15 AM
	COM
16:31:00	COM

Transcript Profile
Flight S/I

1:30 pm

Date:	General Activity	LOCAL TIME:
2/6/06:27.25	/	Cassette # 108
Net Time	NOTES	
006:19:27.25	H-D-	
20:19:02	LOS TDRS - DE ORBIT FLO	
27:40	COM - WEATHER	
30:40	ADS YAR	
44:30	LOS CAM	
21:01:25	COM - KEY HOLE	
21:01:56	AOS	
21:02:05	FLIGHT NOTE XCG CALCULATOR	
05:48	LOS	
19113	RIGHT OVER HEAD	
	SENT UP LAST TWO TELEPRINTER	
38:45	CONFIGURE FOR PAYLOAD BAY CLOSING	
42:56	LO FOR PAYLOAD BAY CLOSING.	
43:21	COM - DE ORBIT	
48:25	SWITCH ON PANAL 'L'	
21:01:00	LOS TDRS	
10:34	ADS YAR	
21:13:58	COM - NEW NUMBERS ON DE-ORBIT BURN	
18:21	LOS	
19:49	COM	
36:19	ADS HAW	
37:19	COM PAYLOAD BAY CLOSED AND	
	LATCHED	

Transcript Profile
Flight S-E

5:45 am

LOCAL TIME:

Cassette #

110

Dir: General Activity
246.10:44:55

Time

NOTES

6:23:47.00 COM CONT

49:10 AOS YAR

51:30 CHANGE TO SWITCH LIST

54:49 LOS YAR

7:00:01:50 ABS GUAM

07:59 LOS GUAM

09:05 COM

13:59 AOS HAW

00:28:41 Controller valves open

00:30:36 APU pre-start

00:31:56 3 APUs look good

00:32:50 COM - minutes before do collect down

00:36:00 Delete hydraulic thermal conditioning

00:36:20 Thruster checks look good

01:16:33 Burn looks good

01:38:15 AOS Decom

01:42:22 COM - 5 min cell entry in progress

01:43:00 AOS Blackouts

Transcript Profile
Flight 51T

LOCAL TIME: 7:53 AM

Call: 246/2:52:18	General Activity 51T	Cassette # 111
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Net Time	NOTES
007:02:54:17	com PKM warmer than expected
02:06:57	Emergency - ground track look good
02:06:36	com - ground track looks good
02:12:07	Start vector transfer to trackways
02:13:14	com Approaching KAC
02:14:00	Decision - live -
02:16:54	Army field - looks beautiful
02:16:30	to slightly below glide slope
02:17:44	TD then gear
02:17:52	TD now gear
02:18:50	com - Braking looks remarkable
02:19:57	com says BTMS OPC crossed GPC com Hydraulic load test
	TD message - 02:17:42 -
	now gear 02:17:50
	02:18:09 Wheel Stop
02:22:23	L3 RB Drains
02:24:48	Safely
02:27:10	Load test. problems wrong results repeat and repeat 2 nd part of load test.
02:29:01	com DPS transfer

Transcript Profile
Flight 51-I

007: 246.13:27.30	General Activity 51-I	LOCAL TIME 18:28 An Cassette # 112
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Time	NOTES
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007: 02:29.20	
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02:33:30	5) miles ahead
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02:35:04	5) for APU shutdown
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02:49:12	Muska inboard hooked up to APU
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02:57:40	Thanks to all for bringing us down Sunderland all well good
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02:58:41	Hangings of cargo in model
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03:01:04	Hangings of baggage in model
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And They Lived Happily "Ever After"!

END

DATE

FILMED

OCT. 07

1985