

Transcript Profile

Flight 111

LOCAL TIME: 1111

GAT:	General Activity	Cassette # 1
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MET. Time	NOTES
10:00	[Handwritten notes]
10:05	[Handwritten notes]
10:10	[Handwritten notes]
10:15	[Handwritten notes]
10:20	[Handwritten notes]
10:25	[Handwritten notes]
10:30	[Handwritten notes]
10:35	[Handwritten notes]
10:40	[Handwritten notes]
10:45	[Handwritten notes]
10:50	[Handwritten notes]
10:55	[Handwritten notes]
11:00	[Handwritten notes]
11:05	[Handwritten notes]
11:10	[Handwritten notes]
11:15	[Handwritten notes]
11:20	[Handwritten notes]
11:25	[Handwritten notes]
11:30	[Handwritten notes]
11:35	[Handwritten notes]
11:40	[Handwritten notes]
11:45	[Handwritten notes]

Transcript Profile
Flight _____

LOCAL TIME:

GST:	General Activity	Cassette #
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MET.
Time

NOTES

MET. Time	NOTES
1:07	[Handwritten notes]
1:10	[Handwritten notes]
1:15	[Handwritten notes]
1:20	[Handwritten notes]
1:25	[Handwritten notes]
1:30	[Handwritten notes]
1:35	[Handwritten notes]
1:40	[Handwritten notes]
1:45	[Handwritten notes]
1:50	[Handwritten notes]
1:55	[Handwritten notes]
2:00	[Handwritten notes]
2:05	[Handwritten notes]
2:10	[Handwritten notes]
2:15	[Handwritten notes]
2:20	[Handwritten notes]
2:25	[Handwritten notes]
2:30	[Handwritten notes]
2:35	[Handwritten notes]
2:40	[Handwritten notes]
2:45	[Handwritten notes]
2:50	[Handwritten notes]
2:55	[Handwritten notes]

Transcript Profile
Flight _____

LOCAL TIME:

GST:	General Activity	Cassette #
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MET. Time	NOTES
7:00	I started recording at 7:00 AM. The
	phone was ringing. I picked up the
	phone and said "Hello". The person
	on the other end of the line said "Hi".
	I then asked "How are you?" and
	they replied "I'm good, thanks".
	I then asked "What time is it?"
	and they said "It's 7:05 AM".
	I then said "Okay, thank you very
	much." and they said "You're welcome".
	I then hung up the phone.

Transcript Profile
Flight _____

LOCAL TIME:

GMT: 3:57:17.51	General Activity	Cassette #
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MET. Time	NOTES
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T-2:01	Having on hand now... 11/11
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	...with... checks
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T-1:41	Ready to... 1/1/8
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	...tax-out of crew... more...
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Transcript Profile

Flight _____

LOCAL TIME:

GST:

353102

General Activity

10-10-50

Cassette #

MET.

Time

NOTES

7

comm on flight - 10-10-50

7-1

(P) 10-10-50 - 10-10-50

7-10-51

7-10-54

10-10-50 - 10-10-50

7-10-52

7-10-54 - 10-10-50

7-10-51

7-10-51 - 10-10-50

7-10-48

7-10-48 - 10-10-50 - OK - ECR comm

Transcript Profile
 Flight 610

5:55 AM

LOCAL TIME:

CNT: 332: 11:33 4/	General Activity	Cassette # 8
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MET. Time	NOTES
T-00:00-16:05	COM:
T-15:30	COM:
T-11:29	fuel cell purge complete
T-11:00	COM:
T-10:00	COM:
T-9:00	T-9:00 holding
T-9:00 hold	COM: removal instructions
T-9:00	KSC COM concern about weather
T-9:00	COM will be longer than 10 min hold
	for weather
T-9:00 hold	COM cont to evaluate weather
T-9:00	COM decided to wait before we come out of hold
T-9:00	COM awaiting improvement in weather

Transcript Profile

Flight 61C

6:00 AM

LOCAL TIME:

CNT: 333 12 05' 00	General Activity	Cassette # 9
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NET Time	NOTES
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T-9 min-1/4	CONT. COUNT
T-9 min	CONT. 25 min left in window conditions
	all improving
T-9 min	CONT. performed extension of launch window
T-9 min	CONT. cont to hold - cloud ceiling
	beginning to break up - extended window
	until 8:00 EST
T-9 min	CONT. cont. to be optimistic about conditions
T-9 min	CONT. 38 min remaining in window - weather
	cont. cont to improve
T-9	Cloud cond are improving
T-9	CONT. 80 per cent count down
T-9	CONT. picking up count at 9:45 AM EST.
T-8:51	CONT. counting
T-7:33	final clearance for launch
T-7:00	CONT. all systems OK.
T-6:15	OK for RPO present

Transcript Profile

Flight 61C

6:47 AM

LOCAL TIME:

GST: 233 12:48:50	General Activity Launch - BLS Hold at T-Mark	Cassette # 10
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MET Time	NOTES
T-00:00:05:31	APL prestart complete
00:04:41	APU start is in work
T-1:50	COM isolated from ground loading equip
T-1:00	COM counting
T-30	No for auto seq start
T-16:00	SRB ign
T-14	Cut off APU shutdown
T-14:00	BLS Hold
T-14:00	COM receiving for T-20 mark
T-14:00	COM red line reading in. APU - out of phase no launch today
T-14:00	COM - 1 day recycle everything phase
T-14	COM shelling ready for auto egress

11:59 AM

Transcript Profile
Flight 61C

7:05
11/11

LOCAL TIME:

GST:
13: 15:04

General Activity

Crew Express

Cassette #

11

MET. Time NOTES

7-14 Dec

7-14 Dec

Perm.

7-14

spans eff.

7-14

recycle traps complete

7-14

no papers found

Transcript Profile

Flight 116

7. 5/1/81

LOCAL TIME:

CST: 33313: 5/1/81	General Activity Additional Comments	Cassette # 13
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MET. Time	NOTES
7-70min	

Transcript Profile

Flight 61C

7:35AM

LOCAL TIME:

<p>GRF: 00613.34.57</p>	<p>General Activity <i>Scruff</i></p>	<p>Cassette # 27</p>
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MET
Time

NOTES

<p>T-006:00:09.54</p>	<p>we do wanna hold at 9 were not gonna go</p>
<p></p>	<p>today - sorry Columbia will come back</p>
<p>T-9min</p>	<p>tomorrow and do it right - We understand</p>
<p>T-9min</p>	<p>COM: As you heard we've scrubbed the</p>
<p></p>	<p>mission RCA decided no go</p>
<p>00613.45:06</p>	<p>step display recorder</p>
<p>13:47:17</p>	<p>verify configuration</p>
<p>00613.47:55</p>	<p>COM commentary will continue through</p>
<p></p>	<p>new eqs</p>
<p>13:49:05</p>	<p>pick up with step 19</p>

Transcript Profile
Flight 1-C

LOCAL TIME:

GST: 07.49	General Activity Pre launch	Cassette # 14
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MET Time	NOTES
T-3hr 53min	Update about (KSC Commitment) Launch Team review, it's 7th of December and attempt to launch 1-C. New unit on SRS installation
T-3hr 52min	3:45 to 4:00 AM. Pre launch. 1-C launch, special effort experiments will be on launch, initial solid stage experiment. 2 different tank experiments
T-3hr 53min	KSC commitment to the about modifications to Columbia, 1-C. Launching more last year. Launch will occur on 5th orbit on Sat. Jan 11th at 7:14 AM
T-3hr 53min	1-C & LH are being loaded (Commitment) inspections being done at 7:14
T-3hr 44min	6:15 AM. Launch 1-C commitment. All activities are started. They will be covered in a written briefing after launch. Launch pad 3:45 ice inspection. There's a review on the solid stage inspection system, which is
T-3hr 38min	KSC Commitment - good weather for launch, all activities to proceed with system people. All inspection team still working

Transcript Profile

Flight CIC

7:52AM

LOCAL TIME:

<p>GST: 006:13:52.07</p>	<p>General Activity</p>	<p>Cassette # 28</p>
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<p>MET. Time</p>	<p>NOTES</p>
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006:13:52:07 COM descent crew on their way out

006:13:56:00 COM descent crew has arrived

Launch tomorrow will be at 1705 EST
with about the same window. Descent
crew has now arrived in the white room.

006:14:00:00 Standby for hatch opening

14:01:00 COM Crew should begin egress shortly

14:02:49 go for egress

14:03:33 COM

14:04:18 in crew module at this time crew CDR going
off beam. Look forward to doing it again

14:05:30 COM Wilson says he looks forward to
tomorrow

14:06:27 COM Gibson is last to come out

The whole crew came out smiling.
Will wrap up commentary for today

Transcript Profile
Flight 101

LOCAL TIME:

GST: 006 08 31	General Activity 101 - 101	Cassette # 15
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NET Time NOTES

T- 3 hrs 30 min KSC communication - communication resumed - show & country next to briefing on progress.

T- 3 hrs 40 min KSC communication - talking about status of supplies, vehicle 200 with 1 history. (DDT) is located on base 4 1975. Crew getting ready to go into operations - Robert Hurling

T- 3 hrs 45 min KSC communication - crew coming out of descent & getting into camp then heading towards P20 30's. Reception on schedule. T-2 team still in camp.

T- 3 hrs 35 min KSC communication - base - talking about. Location of the white navigation and activated. Paul White will be putting the 500 to see if weather is suitable. We are going for flight when the tent is white. T-2 team communication heading down to be ready.

T- 3 hrs 28 min Crew is ready for ingress. KSC communication - white crew coming ready for descent. Other members entering white room. Putting on gear harness. E. J. Puterbaugh putting on helmet. T-2 about commencing. Gabor's history.

Transcript Profile
Flight 61-C

LOCAL TIME: 2:11

GMT: <u>007:03:00</u>	General Activity <u>Pre-landing</u>	Cassette # <u>30</u>
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NET
Time

NOTES

NET Time	NOTES
T-4 hrs 1 min	KSC Commentator - The flight is today's event. Landing into today's weather. Intercept mission for SCQ re-briefing then continue. Landing is scheduled for 1st day in Jan '20 at 7:14 AM EST. Mission is being suspended for SCQ's attention. Everything going smoothly.
T-3 hrs 45 min	KSC Commentator - SCQ - Landing Pre-landing mission - weather briefing. Intercept mission is scheduled for the same.
T-3 hrs 15 min	KSC Commentator - SCQ intercept mission. Landing mission.

Transcript Profile

Flight 61C

4/7/71

LOCAL TIME:

GMT: 006:16:17:29	General Activity	Cassette # 18
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MET Time	NOTES
T-01:27:14	
T-01:26:30	ready for A/B beam checks
T-01:25:49	dir to air beam checks
T-01:22:31	Dymo beam checks
T-01:21:05	about to get a gy for blowing out the hatch
T-01:19:50	7 09 launch window period started 9 09
T-1:18:59	weather is good
T-1:18:10	No check
T-1:13:00	Closing out hatch
T-1:10:49	weather at Rear door being evaluated
T-1:08:00	flight crew sealed in Columbia crew

Transcript Profile

Flight 61-C

4:37 AM

LOCAL TIME:

GMT:

006 16 37 21

General Activity

Cassette #

19

NET
Time

NOTES

T-00:01:28	panel reading - cabin pressure reading
T-01:01:16	Therms performing leak checks
T-00:59:00	7:05 AM launch ^{from cell} window extends to 8:33 but Pan extend to 9:03
T-00:56:00	pre flight alignment weather is good for launch
T-00:54:00	white room closed
T-00:53:00	
T-00:46:34	have a good one today
T-00:45:00	ETR keep test in progress
T-00:44:14	step 703 is complete
T-00:43:18	^{com} Leak checks complete
T-00:42:36	com:

Transcript Profile

Flight 61C

3:55 AM

LOCAL TIME:

GDT: 007.0955.13	General Activity	Cassette # 32
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NET.
Time

NOTES

T- 01:49:00	COM: com checks going well in crew ingress antennas
T- 01:47:35	com. No shutdown work well all night
T- 01:43:30	com checks
T- 01:42:53	com: Once Chang has entered hatch we will be closing it up.
T- 01:39:42	A/g com checks
T- 01:38:16	more A/g com checks
T- 01:31:34	more com checks
T- 01:27:46	com: com checks A/A
T- 01:26:39	a/g voice checks are complete
T- 01:25:43	
	FD overlap in
	cassette #
	32

Transcript Profile
Flight 6-10C

5:04am

LOCAL TIME:

GMT: 006: 11 03 54	General Activity	Cassette # 20
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NET
Time

NOTES

- | NET Time | NOTES |
|---------------|---|
| T-00:00:41.22 | standby on step 193 will do shortly |
| T-00:00:40.99 | COM: configuring communication systems |
| T-00:00:39.52 | Return has been verified |
| T-00:00:29.55 | COM: computers up and transmitting data |
| T-00:00:26.37 | COM: pad B launch rate for first 5 missions of 1986, the launch pad A |
| T-00:00:25.00 | COM on target for liftoff |
| T-00:00:24.16 | message on step 1786 |
| T-00:00:21.00 | final voice check |
| T-00:00:30.58 | COM: 10 minute hold at T-20. Maxone will be the alert place if needed |
| T-00:00:20:00 | COM have entered 10 minute hold all is good at this time. |

Transcript Profile

Flight 610

4.20AM

LOCAL TIME:

GST: 001:10:21:03	General Activity	Cassette # 33
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MET. Time	NOTES
T-000:01:23:00	COM:
T-01:20:09	Hatch is closed
T-01:15:41	COM:
T-01:04:30	we're gonna go for launch config
T-00:59:30	COM ^{pre} alignment of inertial measurements
	began a few min ago. Weather still a factor in today's launch

Transcript Profile
Flight 01-C

5.30MM

CST: 000 11:29:59	General Activity	LOCAL TIME: Cassette # 21
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NET Time	NOTES
T-00:50:00	COM
T-00:20:00	COM less than 1 min rate expiring
	countdown
T-00:19:57	COM purge of 3 fuel cells in prep
T-00:16:47	40 unexpected messages
T-00:16:27	COM back up flight system
T-00:15:13	MPS reconfiguration?
T- 14:18	COM weather seems to
T-00:11:33	COM 10 minute
T-00:10:31	COM large
T-00:09:00	COM T-9
T-00:09:00	COM HURST

Transcript Profile

Flight 610

5:24 AM

LOCAL TIME:

GST: 057:11:23:07	General Activity	Cassette # 35
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NET

Time

NOTES

T-00:00:20:43	
T- 21:00	COM 1 min away from a 10 min hold at T-20min
T- 20:00	COM we have entered the 10 min hold
T- 20:00	COM at this point we have unfavorable
	weather conditions at both Dairn & Marone
	of unfavorable weather cond. for TD at
	T-05 EST going to hold at T-8min
T- 19:53	plant press recording
T- 19:00	COM - 14 min of counting
T- 18:17	COM weather cond. may be deteriorating
	as we proceed into window
T- 16:13	COM we are not at this time however
	we continue to evaluate situation
T- 14:19	COM: all shuttle systems are going to this point

Transcript Profile
Flight G/C

5.30mm

GMT:	General Activity	LOCAL TIME:
006 11:29:59		Cassette # 21

MET
Time

NOTES

T-00:20:00 COM

T-00:20:00 COM less than 1 min while picking up
rebuild down

T-00:19:57 COM purge of 3 fuel cells in process

T-00:16:47 420 unexpected messages

T-00:16:27 COM lock up flight system in turn

T-00:15:13 MPS reconfiguration? in work

T- 14:18 COM weather seems to be ideal

T-00:11:33 COM 10 minute built in hold at T-9

T-00:10:51 COM range is clear for launch

T-00:09:00 COM T-9 not holding

T-00:09:00 COM HUUST:

Transcript Profile
Flight 611C

5:48 AM

LOCAL TIME:

GMT: 06:11:48:05	General Activity Hold at 02:55 A.C.	Cassette # 22
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NET Time	NOTES
T-00:10:09:00	
T-09:00	COM: we will come out of hold on time - everything continues to go smoothly
T-09:00	COM: clear to launch
T-08:59	COM: started counting
T-08:00	COM: final update
T-07:20	checks are in monitor
T-07:10	go for arm retract
T-07:00	COM: all going smooth
T-06:07	APU prestart in work
T-05:47	COM: " "
T-05:29	APU prestart complete recorders are running
T-05:00	Go for APU start reconfig heaters
T-04:00	request hold at T-4min
T-03:25	wt. time to verify time
T-02:55	holding at 2:55 issue command manually
T-02:55	check on OAA - disregard
T-02:55	COM: failure of lock on drain valve
T-02:55	no further violations? - negative
T-02:50	COM: lower visors on helmets

Transcript Profile

Flight 610

6051M

LOCAL TIME:

GMT: 006:12:05:43	General Activity Hold at T-31:00	Cassette # 53
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MET Time	NOTES
T-00:13	COM
T-01:58	COM: ambient failure hold at 31:00
T-00:37	COM
T-00:31	COM holding at 31:00
T-00:31	COM: low temp in engine line is the problem
T-00:31	COM are prepared to proceed 4:00 go -
T-00:31	initiate cut off at this time? not go ahead
T-00:31	COM ^{as per process} recycle count at T-9:00 min
6:11 AM T-00:31	APU shutdown - reconfig heaters
T-00:31	
T-00:31	COM not desirable to permit today attempt
6:16 AM T-00:31	can you verify step 8 - not yet
T-00:31	you're gonna try recycle for today? yes - that's what
6:20 AM T-00:31	COM reperforming inertial alignment Manra hold at T-30:00
T-00:31	arranging for new GMT line

Transcript Profile
Flight 61C

6.56 AM

LOCAL TIME:

GMT: 007.12 56:44	General Activity	Cassette # 38
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MET. Time	NOTES
T-20	COM. 3500 scattered 8000 broken KSC favorable at this time
T-20	countdown check will pick up in 10 min
T-20	5 min before pre-flight alignment finished
T-20	COM. expecting to pick up countdown in approx 5 min. Marine weather visibility has deteriorated and it is raining. Weather at KSC there are some rain showers in vicinity. If no launch today there will be a minimum turnaround of 48 hrs.
T-20	confirm launch window to 9.23 EST
T-20	COM " " " " " "
T-00 19:44	COM. We have resumed count. We are held at 1-9
T-00 15:03	unrecorded complete
T- 12:30	COM intercept held at 1-9
12:41	as we will hold at 1-9
12:56	COM. receiving a weather report from Com shortly

Transcript Profile
Flight KOLC

9 20 AM

LOCAL TIME:

GST: 009:13:19:54	General Activity	Cassette # 39
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MET Time	NOTES
T-00:00:09:55	COM
T- 9:15:00	COM T-9: holding
" " "	COM Perseant for Marone is no good we will
	write Marone off for TAL side. We cont.
	to evaluate clear weather
T-9	COM: continuing hold
T-9	COM White still evaluating what cond.
9:15 AM	would be like an abort if that happened
T-9	COM NO GO! (Sherman) notified crew
00:10:18:50	we were not able to get acceptable weather
	conditions. Shuttle was entirely weather
	related no problem w/shuttle 48 hr
	down around minimum.

Transcript Profile
Flight 610

8:22 AM

GMT:
007/14 22:33

General Activity

LOCAL TIME:

Cassette #

40

NET
Time

NOTES

T. 9 min
007 1438-05
COM cleared down en route shortly
to the down side
COM received down side to 7:20 min
the white cabin crew has arrived
48 hour down & turn around no-late
no earlier than 015257 on Thursday
just about ready to open hatch

Transcript Profile
Flight 21-C

LOCAL TIME:

Cassette #

GMT:
07:57

General Activity
In Lunch

42

NET
Time

NOTES

T- 2:15 pm	KSC Commentator - Talking about weather at the time of lunch
T- 3:00 pm	KSC Commentator - Talking about events going on. The pilot getting ready for breakfast. Talk about flight time they have planned for space. The launch team have completed following the last ISE inspection team have been. The hold out the launch team. Little management transition. weather conditions. Mission will be weather part of state. Breakfast then again. The crew with the launch breakfast for the mission. Part of the weather forecast and departure to the ground. The out some will be in orbit.
T- 3:15 pm	KSC Commentator - Talk about whether in launch. The likelihood for the flight. weather is going smoothly. info now.
T- 3:30 pm	KSC Commentator - a 3:30 hold saying weather will be better at last part of launch window. This launch time of 3:33 Eastern. Current weather - some local rain and clouds. Some variability - Pilot rain chance.

Transcript Profile
Flight W-C

5:56AM

LOCAL TIME:

GST:
010:11:56.45^L

General Activity

Cassette #
48

NET
Time

NOTES

NET Time	NOTES
T-00:00:46.11	KSC COM: forecast cont. poor conditions
T-34:55 ^L	KSC COM: cont. poor weather. Very little chance of improvement. If no T.O. -24 hr. turnaround possibly. Columbia continuing to get wet.
T-22:40	didn't look promising but if we get an opportunity will go for it - countdown clock will hold at T-20 min. We will hold at T-9 until the end of window
T-21:08	KSC COM: weather plans has not taken off because of weather. We have entered T-20 hold

Transcript Profile
Flight 61C

6:49 AM

LOCAL TIME:

GST: 010 12:49 13	General Activity	Cassette # 50
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MET Time	NOTES
T-9	KSC COM T-9 + holding
T-9	HOUST COM:
T-9	KSC COM: Gene Thomas told crew we'd
	try to get them a decision as to whether
	to go or not
T-9	KSC COM: remain in an extended hold period
T-9	KSC COM: remain in an extended hold. Weather
	still looks bad. Potential for Tstorms
	increasing. The storm left in window.
T-9	KSC COM: The remaining in window. Visibility
	very low
T-9	Columbia - we tried to wait for good weather
	but there's no possibility - were sorry it
	happened this way. Ok Gene - we figured
	it was worth attempt but as we see
7:45 AM	out window it's no go
T-9	KSC COM: We have received a report
	61C will have to be rescheduled

Transcript Profile
 Flight 416

7:47 AM

LOCAL TIME:

GNT: 010.13.48.16	General Activity	Cassette # 51
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MET Time	NOTES	
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T-9 KSC Com cent.

T-9 KSC com white room crew on its way out
 to launch pad. Vehicle all safe for egress

T-9 Egress met crew is on their way

Transcript Profile
Flight 61C

8.06 AM

LOCAL TIME:

GMT: 010:14:07:41	General Activity	Cassette # 52
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MET Time	NOTES
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T-9	
010:14:09:34	KSC COM. white room crew has arrived in
	white room. They are readying it to open
	hatch
14:11:39	Were gonna open hatch & let the bay out
14:13:58	KSC COM. no decision on how launch will
	Very excited 24 hrs. Hatch has opened
14:15:24	will like to be relieved from station now -
	Ok
14:15:38	KSC COM. Crew now emergency
14:19:28	KSC COM. Mission leaving the station
	raining very hard
	concluding commentary

Transcript Profile
Flight 61-C

LOCAL TIME: 1:41 AM

GNT: 112:07 41	General Activity Pre-Launch	Cassette # 5-3
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MET Time	NOTES
T- 1:10 AM	KSC Commentator - pre flight check
T- 1:15 AM	KSC Commentator - getting ready for breakfast announcements pertaining to launch history. F-15's to be used for launch support. ICF team is not working at this moment. It should be complete soon. In the white area on the slide - it's a small rocket motor. NASA first director called some questions this morning to say the launch was on. Talk about experiments on the launch flight. (HMS payload with the mission limit failed). Blood work has an experiment on when they will be the 1st KSC landing since April 1985. Landing will be on flight day 6 (Friday). How the crew having breakfast. Talk about crew and how many times they have flown. This is the 5th breakfast since here at KSC, everything going smoothly. Weather is favorable.
T- 3:10 AM	KSC Commentator - ICF debris inspection team (KSC) will be part of the launch pad. Made up of 7 people. ICF inspection will be over in 30 minutes from now. Everything continues to go smoothly.
T- 3:15 AM	KSC Commentator - see how much of the back panel has been "knocked off" it was it accumulated on

Transcript Profile
Flight 61c

LOCAL TIME: 10:16:00

GRF:	General Activity	Cassette #
012:11:22:10	First TV Link	65

MET Time	NOTES
00:01:29:10	COM WAM Gary Colman will do change of shift briefing
01:30:01	Columbia Houston thru Hawaii (LDS 8 minutes)
01:32:48	Good live TV.
01:33:47	Infrared TV camera fixed up
01:34:40	Spec 86 message
01:35:56	COM Crew check flight deck camera
01:38:13	COM Good view of payload bay
01:38:50	COM 33 seconds left, see gateway special cameras constraints
01:40:13	Columbia Houston thru TDRS
01:41:11	" " for payloads
01:41:26	ADS
01:42:01	COM payload officers experiment recorder is working, reset timer on MSL
01:42:35	Just about to do the I. 21

Transcript Profile
Flight 126

LOCAL TIME: 09:00 AM

Cassette #

579

GST:	General Activity	Cassette #
0120X 35	Lunch	579

NET Time	NOTES
T-1 hrs 57 min	KSC Commentator - talk about weather at altitude. Winds are strong. Wind speed at 10000 ft 9-15 knots. ET 126 is a stable aircraft. Smooth flight. Been successful of 126. History of propeller. Everything very smooth.
T-2 hrs 18 min	KSC Commentator - after leaving check-out building for procedures into van. Everything going smoothly.
T-2 hrs 50 min	KSC Commentator - after leaving the white room - st. top all indications say they will get the success of all procedures very smoothly. Tanks are loaded. The fuel is all of launch. Fuel enters 126. Antenna is at room. Commander Gibson enters into aircraft. Launch 126. History of 126. New 126. History. Weather is very good right now. 126 is smoothly getting into orbit. History 126.

Transcript Profile
Flight Calc

LOCAL TIME: 10:40am

GMT:	General Activity	Cassette #
012:16:35:36	More TV shots	Calc

NET Time	NOTES
04:46:49	Via Houston for Franklin
04:47:46	COM, 3 1/2 minutes till more TV
	Go on w/ 3AAL experiment
04:49:01	Timing problem (COM)
04:55:02	On disk the 3AAL is activated
04:56:00	Finished w/ TV
04:58:27	(COM) 11am change of shift briefing
04:57:26	(COM) material science lab
04:57:55	(COM) 35 minutes left till TDPS
05:02:20	Comment on TRTE
05:04:14	(COM) TRTE is a bad read camera (problem w/ being put)
05:05:20	LUS
05:07:49	AOS
05:08:18	TRTE go to auto black
05:18:57	Looks normal in auto back in some setting
05:20:29	COM 11:30 AM will have playback of TV
05:21:08	New state vector is shipped
05:21:20	COM activated experiment hitchhiker
05:31:42	Polarizing camera isn't working
05:32:01	See at Guam 5:53
05:33:26	COM 10 minutes will have TV playback
05:33:31	COM No apparent problems
05:51:03	COM requires a signal to Guam

Transcript Profile
Flight 61-C

LOCAL TIME: 12:00 PM

GMT:	General Activity	Cassette #
012:15:07:44	T.V. thru Hawaii	67

NET

Time zone: 06:00:59

NOTES

06:09:00	COM Live T.V. thru Hawaii
06:09:52	COM 6 minutes left thru Hawaii
06:11:01	Flight Camera Charlie + ox
06:12:05	Configured for Camera views
06:14:18	Have teleprinter message
06:15:39	Have photo T.V.
06:16:57	Thanks for views thru Hawaii
06:17:35	Battery management change
06:18:22	Coasthead w/ payload comment
06:19:27	check 1.23 volts greater ^{equal} than demand 3
06:25:37	Columbia Apt. fluid deck
06:25:45	Payload timing buffer
06:29:45	COM payload timer suggest payload timing buffer
06:29:55	breaker is out
06:30:5A	COM
06:33:15	breaker going back to hitchhiker
06:36:00	COM close the circuit breaker
06:36:27	reset payload timing breaker
06:36:39	polarizer is working O.K.
06:37:50	COM see status changing from 17 to 1
06:42:05	use supply water
06:45:00	LOS
06:55:49	COM Pack exp has been activated

Transcript Profile
Flight 61C

LOCAL TIME: 12:51 p.m.

GMT:	General Activity	Cassette #
07:19:51:08	T.V. over Hawaii	68

NET Time	NOTES
07:16:59:59	COM Tracking of Noto satellite
07:17:00:05	COM Problem w/ Polarizing IR
07:17:02:10	COM Paks has been activated
07:17:08:50	Gas 494 was activated
07:17:15:40	LOS
07:17:28:35	COM T.V. downlink near Hawaii
07:17:29:01	COM predeploy checkouts will be performed
07:17:31:40	AOS Houston then Guam
07:17:35:18	Looking forward on T.V. over Hawaii
07:17:36:23	IR is down at now
07:17:36:41	LOS
07:17:35:31	COM Sat comb deploy
07:17:44:02	Configured for downlink T.V.
07:17:44:20	welcome to come in the camera
07:17:45:00	Good live T.V. in upper flight deck
07:17:49:08	Try to use bravo camera, but couldn't see
07:17:49:31	Killer whales erupting (lots of steam)
07:17:50:52	COM still receiving T.V. downloop
07:17:51:36	Football score 07:0
07:17:54:45	Powered down payload camera's
07:17:55:04	Reading on quality in cabin T.V. good
07:17:59:11	3AA L Heater has been on
07:17:59:11	Wait till completion of run

Transcript Profile
Flight 61c

LOCAL TIME: 1:50

GMT: 02:19:54:53	General Activity cont.	Cassette # 68
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NET Time	NOTES
08:00:14	COM Deactivate ZALL experiment
08:01:11	COM Predeploy checks will be done in 30 minutes
08:05:57	COM orbit 7 over Hawaii downlink T.V.
08:06:41	COM will begin predeploy
08:08:48	Oxidizer tank shift at about 270
08:	

Transcript Profile

Flight 6/6

5. 27 AM

LOCAL TIME:

GST: 012-11-27'14	General Activity	Cassette # 59
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NET
Time

NOTES

T- 11:45pm	KSC COM all continue to go smoothly
T 15:50	KSC COM and counting
T- 13:29	fuel cell purge complete
T- 12:00	KSC COM
T- 10:31	KSC COM: loop timer 1 min before T-9 hold
	T-9 min 4 holding
T-9	HURST COM
T-9	KSC COM: It is noted that if we wait for good
	they they come as we start look good for
	leaving - Sharma to Gibson. We will
	remain out of field at T-9 min.

Transcript Profile
Flight 41C

5:45 AM

LOCAL TIME:

GMT: 012 11:45:41	General Activity Launch	Cassette # 60
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NET
Time

NOTES

T-8:58	KSC COM we have received word.
	all continuing to proceed very smoothly
T-7:30	KSC COM go for retract of access arm
T-6:09	perform APU prestart
T-5:30	KSC COM and counting. flight recorder set up
T-5:00	go for APU start
T-4:30	KSC COM APU start complete & 3 good systems
T-4:00	KSC COM close vision
T-3:30	KSC COM internal power now
T-2:55	KSC COM you were plotted errors
T-2:00	KSC COM:
T-1:42	KSC COM:
T-1:26	KSC COM should come sign on time at 6:55
T-1:00	and counting
- 50	' '
- 31	auto sequence start
- 20	+12 10 go for engine start
	lift off clear tower
	Houston Columbia w/you
T 5:00	Houst COM
01:25	go to throttle up APU performance good

Transcript Profile
Flight Col C

LOCAL TIME: 3:10 PM

GMT:	General Activity	Cassette #
012:21:12:03	Deploying Satellite	70

NET Time	NOTES
09:19:15	COM Expect TV at 3:15 on deploy
09:22:45	COM Following deploy rockets will fire
09:23:25	COM beginning some inside camera TV
09:28:37	COM spin rate 50 rpm
09:33:02	COM now closing sunshield
09:33:21	COM Satellite is out
09:34:48	Felt like it came out 2 seconds early
09:40:52	COM in proper attitude
09:45:26	Configuration looks good
09:49:13	COM due have ignition for orbital separation
09:50:18	verify the ann is out on satellite
09:50:22	COM confirmed ann antenna on satellite is out
09:56:14	Columbia radio check
10:01:34	Uplink file
10:02:18	COM random protect attitude
10:03:41	transaction was successful
10:14:00	Space 76 bank message is real
10:15:03	COM are in a random protect attitude
10:15:05	Signal is different, will troubleshoot on ground
10:17:16	COM PKM has begun
10:17:20	meter is successful
10:20:41	all cameras are off
10:	

Transcript Profile

Flight W/C

G. C. Sane

LOCAL TIME:

QST: 013 12:02:59	General Activity	Cassette # 60 601
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MET Time	NOTES
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00:00:07.48	COM
:08:22	good start - welcome to space rookies!
:09:21	call
	Host - nominal targets shutdown right on time
:09:29	
:10:48	com from looks good
:13:24	COM
:13:35	good turn - Roger Fleet.
:14:50	nominal CHMS 2
:14:58	COM: 1/2 hour away from CHMS 2 at 175 nautical miles
:17:29	info call
:18:08	COM
:31:00	COM: 15 min away from CHMS 2. Everything has been perfectly nominal.
:33:23	good CHMS 2 targets & go for CHMS 2
:36:00	COM: 10 min from CHMS 2 passing over Africa 200 n to min
:39:31	COM: post launch P/C will occur at 6:45pm at KSC COM from CHMS 2
:40:40	200 n in 5 min see you at Yarguay - have a good turn.

Transcript Profile
Flight 66c

LOCAL TIME: 4:16:30

Cassette #

71

GMT: 02:22:17:12 General Activity
KU antenna has deployed

MET Time 000:10:27:24 NOTES

10:23:04	Blankout on T.V screen
10:23:48	getting a good playback on VTR
10:24:46	FDA parameter was not correct
10:25:14	COM
10:34:16	COM deploy KU band
10:37:20	to LOS
10:43:00	COM try to see VTR dump
10:43:25	COM
10:45:37	AOS
10:46:30	COM KU antenna has been deployed
10:47:01	Timber is on board
10:48:10	changed 5 different parameters
10:50:18	both to auto
10:51:03	expected lids to open, but they look closed
10:51:30	LOS
10:59:03	COM crew will setup VTR
11:00:03	COM close to beginning of sleep period
11:09:54	AOS
11:10:04	Notes, see deploy playback, delay of 5 minutes
	on opening of lids, install 02
11:14:55	Ready to send tape
11:15:30	COM VTR tape of sat comb deploy
11:17:36	Picture looks good

Transcript Profile
Flight 01C

6:43AM

LOCAL TIME:

QRT: 012.12.43.31	General Activity	Cassette # 42
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MET Time	NOTES
000:00:47.48	
51:48	PLS good DMS 2 burn - Roger Hest glad
	to hear that.
57:50	COM 1 1/2 min to top.
59:12	1 min for upgrady
1:17:06	COM
1:17:45	AOS - let 1/2 hr for Hest - go for payload
1:28:00	Ray Hest ops - Thany.
1:28:00	AOS payload bay doors now opening
1:30:00	COM: payload bay doors opening in pretest.
1:35:20	good payload bay doors opening
1:38:51	COM:
01:39:05	Hest go for str orbit ops
01:40:28	APU 2 temp low
1:41:15	Hest go for warmup ops.
1:41:30	COM
1:42:30	COM: push hold close
1:43:52	Spec 0 - reset item 48
1:45:15	Delta Readings
1:47:11	heater - instructions

Transcript Profile

Flight 61-C

LOCAL TIME: 5:16 PM

GMT: 02:23:14:53	General Activity T.V taking downlink	Cassette # 72
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NET Time	NOTES
11:25:03	Sound dropping in loud
11:25:36	Football score
11:27:15	opening lids
11:28:42	Cue up WX
11:29:51	COM looking at 2 special containers
11:30:02	The one on the left will open shortly
11:31:30	That about all we have
11:33:05	COM discussion on dining altitude position
11:39:19	COM GMC officer reports IMU has begun
11:44:39	Attest press on w/ Item 5
11:50:56	Completed Gas group delta
11:51:40	Hold all maneuvering
11:53:57	IMU angles did you need "Yes"
11:57:00	COM
11:58:23	Talking about sleep
11:58:50	close 463 gas can
12:00:44	Mike from middeck copy fine
12:01:56	COM 2 minutes full LOS
12: : :	

Transcript Profile
Flight 61C

3:25 AM

LOCAL TIME:

GMT: 013 09:24:17	General Activity	Cassette # 74
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NET Time	NOTES
000:21:29:32	
21:44:31	Being LOS
21:46:36	COM Very little voice transmission
22:05:06	LOS for 1
22:06:30	AOS for 5
22:11:00	LOS
22:31:00	AOS TMU angles
22:46:00	Just got good shot of Cape. Good to knit
22:59:00	Short plate pole readings restored PFD2 to normal.
23:20:00	Battery change out on medical DSO? yes but it didn't work. Waiting for temp check. Did you. Pte on DSO come on? Yes. Okay were going LOS
23:26:00	COM: LOS normale ops
23:34:30	AOS any IV thru Hawaii? planning to do that
23:46:24	relay to land/upper update IV at Hawaii okay were ready for it Being LOS

Transcript Profile
Flight 61C

5:37AM

LOCAL TIME:

GST: 013:11:36.46	General Activity	Cassette # 75
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NET Time NOTES

000:23:41.46	
000:23:42.54	COM LOS.
001:00:00:54	AOS Jute note about UVX
00:56	Target 1 + 2 alpha - good cabin accel - show
	yes DSC we can't make it work now.
	looks complicated
06:14	Going LOS for a few min.
09:02	AOS TDRSS wanna leave it up? Yes.
	Tell Pinky to take good care of finger
	his finger
14:42	COM. Orbiter plus over in 4 min (Host)
001:00:30:19	AOS in right position note for George
	AOS not required all manual

Transcript Profile
Flight 6.1c

9:41 AM

LOCAL TIME:

GMT: <u>12 15 36.60</u>	General Activity	Cassette # <u>65</u>
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NET Time	NOTES
0:00 03:41:15	
3:43:00	Columbia Houston do you read?
3:46:59	Columbia - Houston?
3:50:22	" " "
3:50:54	COM weak signal strength
3:52:10	Columbia - Houston - are you calling?
	Read DDI document format Satcom M/S printer
	See you at Guam at 16 (04:16:00)
3:53:59	COM we are LOS more than we are AOS because
4:01:56	of com drop outs
↓	Com activated special dropout desc
4:03:55	COM (Columbia citing 176 175)
4:15:20	COM over 1 minute away till signal
4:16:00	COM 11AM change of shift briefing
4:16:30	COM Payload activities commanding the Hitchhiker
4:16:41	AOS
4:17:47	Have a flight deck camera setup
4:18:09	Ground control TV will be payload deck only
4:18:45	Go for power alt
4:19:41	Continue on SAT MSL experimenter recorder is running
4:23:26	LOS in 2 minutes
4:26:24	COM During Hawaii expect TV

Transcript Profile
Flight 61-C

6:24 AM

LOCAL TIME:

GMT: 013:12:26 30	General Activity	Cassette # 76
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MET Time	NOTES
00:00:31 37	EML working properly
37 27	gas filter with A camera
56 50	APU heaters fuel line 1B to auto
	Shutting A's down
59 21	maneuver to altitude for UVX
01:11:20	A/S
01:15:31	check fuel w/you
1:17:40	Heating A/S
001: 39:50	A/S
001: 41:15	Alert note for fuel around heaters & APUs
001: 46:07	w/you TDRS shortly but we hear you.
1:48:00	image identifier buttons dead
	UVX- Acquired observation to close - try target
	3 if you get to top bar ASC temp
	check 37.4 30

Transcript Profile
Flight 61C

17:51/17M

LOCAL TIME:

GMT: 013'13'51'52	General Activity Questions Concerning Champ	Cassette # 77
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NET Time	NOTES
01:11:52	Ruby primary is all packed up. I could go on ^{the} radio and the traffic report is no clear down there
01:15:30	COM change of shift P/C at 9:30 AM CST
01:36:23	Lessing you at TDRS
01:37:30	COM change of shift briefing at 9:50
02:48:03	Columbia up for throw Guam
02:48:42	Began target 3
02:52:40	LOS in a couple minutes see you at Guam
02:55:04	LOS
03:00:01	Astronauts looking at the Galaxy
03:01:30	Lot of stars out there
03:03:14	List of 8 questions concerning champ
03:03:51	Intensifier did it see light?
03:07:03	LOS back w/ you throw Hawaii
03:08:20	COM Handover is now completed
03:14:40	ACS
03:14:45	More Questions on lens
03:16:10	Repeat steps 4-7
03:20:14	Secured data UVX scan
03:21:19	Columbia Handover throw TDRS
03:22:10	COM good handover on 35mm camera
03:26:17	Run EMI

Transcript Profile

Flight 61C

LOCAL TIME: 9:22 ^{GMT}

GMT:	General Activity	Cassette #
03:15:21-29	EML Activities	75

NET Time	NOTES
03:27:15	EML deact is complete
03:28:51	Reason for EML deact
03:29:40	Changed out batteries on Champ
03:31:21	COM reminder of change of shift briefing
03:40:30	Good pictures of eruptions over Central America
03:42:40	Spiral Edge (split end for Note Name)
03:44:30	LOS
03:51:45	COM eruption over Central America
04:14:00	ACS looking at the lid had not closed
04:15:00	LOS
04:18:37	COM LiVX Lid had not close
04:19:24	COM Expect T.V. over Hawaii on Champ
04:36:26	ACS
04:36:26	Currently working on reading
04:38:10	Note on Champ
04:41:04	Changes in flight notes on Champ
04:44:00	LOS
04:44:18	COM Modification on Champ activities
04:45:20	COM Problem w/ 35mm camera
04:50:30	ACS
04:50:52	Status on gas can
04:50:59	Sun is coming up
04:51:23	Lid is still open

Transcript Profile
Flight 2-1C

LOCAL TIME: 10:47

OST:	General Activity	Cassette #
04:47:41	UVX + Champ	79

MET Time	NOTES
04:52:50	No change status relay
04:53:40	Body bag is serving a dual purpose
04:54:00	Press on w/ target II
04:54:31	Live TV of flight deck
04:56:25	UVX question of how long do they want to run it
04:57:29	4 second exposure w/ filter / 4 1/2 w/out filters
04:58:08	UVX answer / 15 minutes after sunset
05:00:20	COM 3 mins in specialist
05:12:00	Change calibration of Champ
05:14:21	COM live downlink from Columbia
05:19:00	Material Science lab providing 3 experiments
05:20:30	T.V. look at cargo bay
05:24:25	COM Looking at hitchhiker
05:24:25	LOS
05:30:10	COM starting maneuver for Champ
05:33:50	COM UVX hd still open
05:34:47	COM - GNC officer Columbia's at Rt attitude for Champ
05:57:18	LOS
06:11:50	COM expect T.V
06:13:16	ACS
06:13:50	Changes to Champ orbit 22
06:15:23	Check out switches AIR

Transcript Profile
Flight 6110

LOCAL TIME: 12:11 P.M.

GMT:	General Activity	Cassette #
03:10:24	Checking light & wires	8C

MET. Time	NOTES
06:27:40	AOS
06:29:00	Reports of supply water
06:29:20	No complaints
06:30:20	New report / CITR troubleshooting
06:31:39	Discharge capacitor
06:35:00	Do you see indicator light?
06:36:59	No light
06:37:25	Was on / not new
06:38:20	One light came on immediately
06:38:59	Check cap wires
06:40:15	Black wire broke & is hanging free
06:42:51	COM / Discussion on troubleshooting
06:44:17	Wire that is broken is the delay circuit
06:46:38	Making video tape
06:52:00	Look at IR Camera
06:54:07	Fixed
06:55:32	ECM / Fixed tube
06:55:47	Live TV from Columbia
06:56:50	COM / Earth views of South America
07:05:28	COM / Satellite playback Orbit 8
07:12:50	Columbia Or Host
07:13:14	Attitude on Champ
07:22:47	COM / Playback of RCA playback

Transcript Profile
Flight 21-0

LOCAL TIME: 1300 PM

Cassette #

81

Time: 07:27:40
General Activity
Different Experiments

Time: 07:27:40
NOTES

07:38:11	Dump supply water Brake at 5%
07:38:50	COM / Champ to photo Alloys cement
07:39:00	COM / Problems w/ image intensifier
07:39:47	LOS
07:42:16	AOS
07:53:15	Can see hatchback stubs
07:54:16	Tried to activate gas controller group/lock
07:54:14	LOS / see you in Hawaii
07:55:19	ACS / w/ you throw Hawaii
07:57:34	Took temperature
07:58:50	Tempo being read
07:59:29	Delete IMU line
08:02:37	COM / Discussing on staying in same attitude
08:03:10	COM / Current reading on isolation valves
08:03:30	Check check + see GNC has 11's
08:05:26	Check + changes on AFS ¹⁰⁷⁵ furnace
08:07:11	COM / Troubleshooting ADES 11's
08:22:50	Go on to Item 4
08:37:00	Tex Trif
08:37:49	Send 9 + 10 to later
08:38:29	In morning take 9 to hot
08:38:20	COM / 9:30 change of shift briefing
08:39:00	

Transcript Profile
Flight 611C

LOCAL TIME: 7:55pm

GRF:	General Activity	Cassette #
08:20:33:49	ADSF experiment	52

NET Time	NOTES
08:40:19	No change in ADSF
08:41:32	Go for item 3
08:47:24	Go for item 2
08:45:11	Re COM / ADSF is working
08:53:56	Switch on panel C
08:54:10	Work but readable
08:55:16	Echo on audio
09:00:17	Should be getting data
09:00:20	COM / LOS / Busy day troubleshooting
09:02:57	COM / Will begin presleep soon
09:07:49	COM / 4:30 change of shift briefing
09:30:10	COM / Events for tomorrow
09:40:50	ADS "Hello"
09:48:00	LOS
09:50:30	COM / Reminder of news briefing
09:52:00	ADS
09:59:17	COM / Planning shift is taking over
10:00:52	COM / Allen Steca briefing
10:12:16	ADSF is working normal
10:42:32	A couple of goodnight notes
10:43:09	Have a goodnight sleep
09:19:04:40	Wake up - Morley Python's Flying Circus

Transcript Profile
Flight 610

1200AM

LOCAL TIME:

GMT:	General Activity	Cassette #
014 19 00 25	Santa Rosa Island	83

NET
Time

NOTES

001 19 05 31	Walk up hill cont. Bird Missing observation - fide note
19 08 41	fide note on large tank #1045
19 11 11	im. common
19 11 11	19 11 11
19 11 11	19 11 11
19 11 11	19 11 11
19 11 11	19 11 11
19 11 11	19 11 11
19 35 11	AUS TDRSS
19 35 42	COM
20 05 21	good pair of Mass on table you're go for an align at this time
20 21 32	200g ^{1/2} in a few min fide on water back B
20 27 34	COM - that was the JCS call
20 40 45	AUS Yangady for 9 min
20 43 21	Discussion on fide surgeon type ^{paper} been taking medicine for sore throat and isn't getting well with him - He wants to know if there's anything else he can take - Will get back to you.
20 44 51	AUS Canberra
20 52 12	Good but to quit taking medicine

Transcript Profile

Flight _____

LOCAL TIME:

GMT:

General Activity

Cassette #

83 cont

MET
Time

NOTES

20.54.16 IFMC temps during fire Ek copy were young

ALS - see your other TDRSS

21.55.25 COM ALS directly across equator + horizon

WFL 31

21.13.26 ALS TDRSS led + clear

Transcript Profile
Flight 610

3.19.09

LOCAL TIME:

GST: 014.19.19.09	General Activity CHAMP - repairs	Cassette # 84
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MET Time	NOTES
014.21.14.09	
22 46 55	Started HSL up on time & initiated temp checks
22 04 51	COM - expecting ACS call
22 05 06	Being ACS
22 17 58	ACS Yungwiler for 9
22 17 51	Temperature check out Question for IFM1
	folks
22 21 06	Will get back if you as soon as we find out.
22 28 26	ACS Parvula for 5
22 28 57	Check that system 2 on auto
22 30 15	Being ACS
22 46 08	ACS Berman for 3
22 48 03	ACS Berman TDRSS on 2
22 52 19	ACS TDRSS SML activation field start processing. Spec 205 de atom 7+6+8 SML
22 50 57	Houston Columbia radio check - all 4 ok
22 56 06	Being follow procedure on bottom - 3 parts during middle part
22 57 06	deactivate pos of the 3 parts again
22 10 04	Call saying to understand pos of CHAMP

Transcript Profile

Flight _____

LOCAL TIME:

GMT: 014 11 50 12	General Activity	Cassette # 84rev. 1.
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MET Time	NOTES
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03:01:49	11:00
03:02:20	Stanby George - OK we're not like Dick J.V.
	you could talk at it then
03:03:00	Not necessary to see Champ on TV
03:04:00	radio check
03:04:00	Pinky describing photo on TV

Transcript Profile
Flight 61C

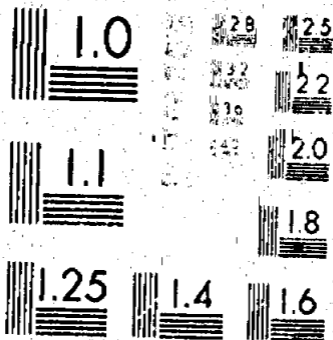
5:09 AM

LOCAL TIME:

GMT:	General Activity	Cassette #
014 11 03 55	VVX	85

NET Time	NOTES
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01 23' 08 55	Ready for AV when you are - 1/4 up + operating
23 11 01	Had AV a few words on EML
	EML still not operating - believe us all
23 14 00	Charlie is listening to Tina Turner
23 17 11	Bill Nelson gonna give you report
23 19 49	nothing to say about VVX? Koon is still open - status panel changed on relay.
	Had good picture over South America
23 21 54	(Bill) taken 8 leg measurements Joe Bill
	Sharon is having a ball
23 23 15	Damage Inspector working the same we copy sheet
23 31 48	Damage Inspector still get green screen but no intensification still
23 38 11	George your finished with pad and adjusted gain? This on left hand side
23 42 11	Being his FVI - next time you're over Houston we're gonna film you from top of building so wave as you go by
23 44 20	COM: Nelson showed camera lens on AV



MICROCOPY RESOLUTION TEST CHART

NATIONAL BUREAU OF STANDARDS-1963-A

Transcript Profile
Flight 610

15/4/AM

LOCAL TIME:

COY: 014 1.4015	General Activity	Cassette # 86
-----------------	------------------	---------------

NET
Time

NOTES

NET Time	NOTES
001:23:48.51	COM: Biting shuttle pass over Houston
23:54.05	ACS Uruguay
002 00:00:30	status on relay 9 also working normally going LOS
19:34	ACS Hawaii for 8
32:45	We're going to look over your shoulder
35:00	on camera C
35:40	we have IV now
39:22	COM
39:39	were moving at you
41:41	10 folks want to know what you are carrying thru last pass
42:19	We have VTR done at 12.
43:22	Go ahead & give us dump of VTR
45:24	VTR of Central America Lake Mangrove
07:10	VTR Konakuri Dessert
1:00:03	Playback

Transcript Profile
Flight 61C

6 50 AM

LOCAL TIME:

GNT: 014 12 55.50	General Activity	Cassette # 89
----------------------	------------------	------------------

NET
Time

NOTES

01 02 01 00 40	
01 11 16	... actually the relay show the Arma
01 20 20	ACS LOS
01 30 30	ACS
01 30 19	Being LOS peak you up at Humat 1.43
01 43 00	NCS Guam for 5
01 48 50	Being ACS
01 55 54	ACS Humat
01 57 09	you see a g. for line IV ok up ahead
01 57 50	COM
02 00 00	COM Line IV Change of Shift 8:30
02 01 45	handing over to TDRSS we have Columbus Miss Army List
02 11 59	Line IV from middle
02 15 19	did you believe any of the football scores Steve - One + the other
02 02 17 00	com: Line IV
02 33 41	attempt to conduct paper-fiber exp.
02 37 45	com: Line IV
02 37 41	a little more water. Am gonna get
	Dr. Nelson help me out

Transcript Profile
Flight 61-C

8:41 AM

LOCAL TIME:

GMT: 014:14:40 39	General Activity Spanish orbiter tour (In Spanish) Chang Dai	Cassette # 88
----------------------	---	------------------

MET Time	NOTES
002:00 44:39	Comment.
14:44 45	AES ADDRESS that you have at the whole press? most of it
3:18 41	AES Address for @ @
3:21 44	approx time of VTR dump of orbiter tour 15 min - on SO
3:25:28	Bring AES see you at Hawaii
3:26:00	CEM: 01:36:05 VTR dump of orbiter tour
3:33:50	Flight deck live
3:34:09	Take live TV now
3:35:00	Good live TV now
3:36:53	Preparation for Spanish downlink
3:39:10	Live TV now from Columbia / CEM
3:40:47	Start dropout between Hawaii + TDRS
3:43:02	Columbia w/ you threw TDRS
* 3:42:59	Spanish orbiter tour (In Spanish) Chang Dai
	R...
	the ...
	to ...
	to ...
	to ...

Transcript Profile

Flight 6-6C

LOCAL TIME: 9:45

GMT:	General Activity	Cassette #
01:15:44:43	End of Spanish radio tower (In Spanish) Chang Dziz	S9

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

01:03:49:30	Spanish radio tower (In Spanish) Chang Dziz
01:03:53:32	That all the Spanish back in English
01:03:54:47	Terminated live TV. at this time
01:03:55:54	COM / Chang Dziz
01:03:58:39	Go for GG Attitude, when you have time
01:04:07:40	MSL app. Notes concerning it
01:04:08:37	To 5 to go to manual
01:04:09:19	Final note MSL Subsystems
01:04:19:06	Note concerning UBX
01:04:22:04	COM / Will have satellite playback in English
01:04:24:15	COM / Coming home 1 day early?
01:04:26:36	Setting for Chang data take
01:04:29:39	COM / Going to do data take
01:04:33:30	LOS in 2 minutes
01:04:39:21	English translation of Spanish radio tower

Transcript Profile

Flight 6-6-6

LOCAL TIME: 11:52

GRF:	General Activity	Cassette #
04:17:30	T.V. over Hawaii	91

NET Time	NOTES
04:29:30	Gas priced bike w/ Mc 52 J list
04:40:10	Pumped it back up w/ bicycle pump
04:55:47	Power up camera Bravo
05:00:31	Camera Delta
05:07:45	COM / Reconnect to TV "Enci"
05:08:26	COM / Look at K U band antenna
05:14:10	COM / Ground control is controlling camera
05:11:01	ACS in 1 minute Gamma start
05:11:45	ADBT / switch over to sample 1
05:17:03	See you at Gamma
05:34:01	Columbia Houston w/ you thru Gamma
05:39:47	ACS in 2 minutes Alpha start
05:46:17	Columbia Houston thru Hawaii Be 9
05:48:20	What did I do to get that
05:51:02	Running TR Camera alpha to get Alpha TV
05:53:37	See you at Gamma Be 9 over your shoulder
05:55:24	Solo camera for downlink
05:56:47	COM / TV over Hawaii
05:58:10	Solo camera Charlie Be downlink
05:58:30	What the trouble getting Hawaii
05:58:50	Got it
05:59:10	COM / Switch to TV Downlink
06:07:07	Getting setup for VTR

Transcript Profile

Flight 6.1

LOCAL TIME: 17:12

GMT: 014 18 23' 00	General Activity concl. (Student exp. (Niger) object)	Cassette # 91
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MET Time 017 06 17 57	NOTES
17:57:57	Putting IR Camera to bed
17:58:00	Start of on Crystals / Crystals are forming in pattern
17:58:45	Camera 1-11 + 1-13 did not work
17:59:00	Camera C is working sending downlink when ready
17:59:59	Downlink on all deck
18:00:40	Pumped up w/ bicycle pump
18:02:11	11 to actual activation
18:03:00	Replaced a/b camera + setting bicycle pump back in
18:03:40	Turn off power to
18:03:50	for 15 minutes
18:04:40	

Transcript Profile
Flight 61C

LOCAL TIME: 12:00

GMT: 07:00:00	General Activity Checking tanks on Oxygen	Cassette # 98
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NET Time	NOTES
07:00:30	Shut electrical power down
07:01:32	Checking tanks
07:07:00	Check IM
07:07:50	View interesting cloud
07:08:14	COM / Low The dehumid / Control system active
07:10:11	Temperature - 2.5 - 3.0 - 4.0 - 5.0 - 6.0 - 7.0 - 8.0 - 9.0 - 10.0
07:11:54	Verify data input & closed
07:13:29	COM / scanning air beds
07:14:00	1 - scanning 10 - but not above / COM
07:15:17	COM / Observations at Western Coast of South America
07:16:00	D - you want ADST How up?
07:17:01	Now going to be at the altitude in the minutes
07:17:10	Wait 4-5 after sunset
07:18:19	Check out IM all in
07:19:50	Wait for activation ADST
07:20:17	Look like there are going to work out / shutters opened
07:23:50	Some everything was decided
07:29:30	Small data data update
07:29:35	Barometer 50%
07:33:50	Down on just made 1 day early
07:24:12	COM / COM will be coming in 1 day early
07:35:30	Will be landing Thursday morning
07:36:36	General outline of tomorrow's activities

Transcript Profile

Flight 611

LOCAL TIME: 1:58 PM

GMT: 014:49 37:20	General Activity COM	Cassette # 92
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NET Time 014:49 37:20 **NOTES**

07:30 SA	COM / satellite playback on orbit 32 over Hawaii
07:40 CI	COM / IRID camera over Hawaii basic observations
07:44 AI	Read summary of telemetry activities in 3 minutes
07:50	

Transcript Profile
Flight 611

LOCAL TIME: 121

GMT:	General Activity	Cassette #
04:42:00	Experiments	43

NET Time	NOTES
07:41:35	Call for fire tomorrow's activities
07:49:40	LOS in 2 minutes
07:50:10	W-2 New record
07:50:15	Gas rate of 40 Laps
07:51:30	COM / LOS preparing for future flights
07:52:04	COM / 100 will be a playback
07:54:01	COM / Columbia on Oct 30
07:57:00	AOS The bar up to 11 @ 10
08:14:40	LOS in 2 minutes see you in flight
08:20:11	COM / Hardware sub 1 team to planning for
08:22:17	AOS TDRS
08:27:19	Deactivate DML
08:34:20	Time 5 AOS Failure
08:38:50	R Completed
08:42:27	COM / Change of shift heading
08:47:51	Command Delta to use R band
08:47:49	COM / Unsecured TV download
08:56:57	Note about line sept team is going to see
08:57:10	Have to be quick
08:56:01	Sleep
08:56:01	
17:49:04	Awake Call Heart of Gold by Neil Young
17:50:48	COM Crew wasn't able to hear it will play again

Transcript Profile
Flight 6.1C

11:47 PM

LOCAL TIME:

GST: 015:05:48.44	General Activity	Cassette # 94
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MET Time	NOTES
002:17:51.50	Head morning Columbia - good morning
17:56.00	ACS Canberra for 6 slide note on crew heater configuration
18:00:33	Being Los TDRSS at 18:17
18:03:01	COM LOS
+ 18:25	ACS TDRSS postpone EML activities The lid should have close lid command on it. AC wait for UVX people to look at it
18:24:50	deselect IMU } during UVX scan + UVX #9 ok we copy
18:56:34	wired wall units still in lockers APU config is standard - We copied
19:00:54	no connection from VTR to audio system (locations of things)
19:01:42	airlock ATU normal
19:02:11	volume is at 7 on speakers middeck teleprinter normal config
19:09:23	LOS TDRSS
19:11:42	COM:

Transcript Profile
Flight 61C

1.5 BAW

LOCAL TIME:

GMT:	General Activity	Cassette #
016 07 52 58	Identification Activities	103

NET Time	NOTES
013 19 59 55	Being ALS
20 16 41	ALS TDRSS still good weather at the Cape since in patchy fog but expected to clear off
20 21 09	100% visibility at the Cape
20 23 52	100% visibility at the Cape
21 06 42	ALS in 2 min (TDRSS) Yagardice at 19 min
21 08 40	ALS Yagardice
21 21 11	ALS Yagardice
21 24 01	ALS Yagardice
21 21 41	ALS Yagardice being sighted by Canberra
21 24 34	ALS Canberra
21 32 46	ALS Canberra
21 47 24	ALS Canberra
21 51 44	ALS Canberra
21 52 02	ALS Canberra
21 52 03	ALS Canberra
21 54 50	ALS TDRSS

Transcript Profile
Flight 01C

1, 08 AM

LOCAL TIME:

GMT: 015.07.08.21	General Activity UVX	Cassette # 1/5
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NET Time	NOTES
02:14:27	the new command set received. turned on cancel 014 ops
02:14:25	local time of 014 turned on
02:14:28	through YAC
02:14:32	through command. flight note:
02:14:31	COM/Command. reporting a small disturbance in system
02:14:31	200's disturbance - no disturbance was copied
02:14:54	ABS TDRSS did you do anything to COM in forward during ABS 4025 ahead of flight note - APR 3 for FC's checkout
20:21:50	we have a about 3 min of VTR for you if you want it - Standby
20:21:52	be ahead of you - it will come to see it as soon as we get KU
20:35:04	UVX leave relay 14 into net for deactivate UVX after 11 bravo Sorry UVX didn't work as we hoped it would.
20:37:34	UVX folks say they think they'll get lots of data
20:48:21	we're going XOS star position
21:00:00	ABS word for Steve

Transcript Profile
Flight 61-C

2:58 AM

LOCAL TIME:

GMT:	General Activity	Cassette #
015: 08:56	Deactivate VTX / VTR playback	96

NET Time	NOTES
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02:21 01:13	VTX fails to charge mind relay 14 to hot
02:35	did you copy - affirm
02:57	11 + 14 to hot - that's affirm
04:10	DEX equip on A7L on? It is back off now - We copy down matter
05:09	Earth Observation people - we just saw hurricane
21:09:28	We try hard
21:14:33	Being LOS
21:34:22	AOS TDRSS 20 + 01
21:37:33	We can take VTR playback
21:39:14	You can see where Santa goes on treadmill
21:42:01	Problem is Santa might see VTX open and try to climb down it.
21:43:43	We're trying to configure for lighting if you wanna come in w/ live TV
21:44:27	We're inside state deck now.
21:47:21	Deactivate VTX at this time after slave
21:52:42	VTX is deactivated
21:57:46	sig-plant stop time on treadmill test
22:04:54	go ahead with AFD #3
22:10:17	2017

Transcript Profile
Flight 611C

LOCAL TIME:

CST: 016:11 05 03	General Activity	Cassette # 104
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MET Time	NOTES
03 23 13 20	minimum pad readings
22 19 24	file under station (recorder down)
22:14	Adbak. curfing
24:32	go for app 3' transition
22 35:14	CUM - back about minimum pads - watching weather at KSC just see no reason why we shouldn't have nominal landing
22 32:08	downland FSC net
22 36:05	CUM "KSC weather update"
22 38:53	Watching you prime report
22 55:48	CUM
22 46:51	ABS Unservice Pd 4.5 in
23 04:07	Heavy ABS
08	
23 22:02	Abs
23 22:15	Down the ground level

Transcript Profile
Flight 61C

5 56nm

QRT: 015:11:55:30	General Activity	LOCAL TIME: Cassette # 447
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MET
Time

NOTES

003:00:00.44	
003:00:01.15	Doing LOS See you at Yargadee
13:54	ABS Yargadee
16:45	cbm Handover at 7am Change of Shift P/c at 7:30pm
21:01	LOS See you at Hawaii
39:02	ABS Hawaii for 4
46:14	Cont. 7:30pm (Change of Shift P/c on time)
42:59	Reminders times for IR are a minute ahead
43:20	traced mile to in case now
44:26	left Elite controller printer to off
00:44:30	ABS TDRSS
01:03:02	com: Handover to complete in mission
01:03:02	control
01:03:02	
01:20:58	com: Reminders of Change of Shift
01:22:51	increase temp to 60° (Camera)
01:31:33	IR 18 folks all targets been successful? Neg. we think we missed one
01:33:00	com: 8 men from LOS
1:39:29	LOS Yargadee at 1:51
1:51:22	ABS Yargadee for 5"
1:54:37	disregard temp excursions Doing LOS

Transcript Profile
Flight 61C

6-04/1981

LOCAL TIME:

GMT: 016 12 04 30	General Activity	Cassette # 106
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NET Time	NOTES
004 00 09 00	we will leave off with landing tomorrow
0012 24	for not display K1 yard. Like like you're gonna get you 5 days
13 32	at 1:30 in direct prep ticket
14 43	less landing tomorrow at 5:30 6:08 AM landing reduced due to poor visibility 5:08 AM direct prep
26 57	CORR
33 47	ALS 44:00 payload bay doors open
35 07	payload bay doors open for 4:00 4:00
004 03 40 02	ALS 47:00
00 46 21	ALS 46:21 plate 1 EX completed for 1 day change off SITS per 10/1 SITS can be open 10/2 4:00 4:00 ALS 46:21
42 15	ALS 42:15
52 47	CORR
57 05	ALS Hawaii

Transcript Profile

Flight 61C

6:55 AM

LOCAL TIME:

GMT:	General Activity	Cassette #
016 12 54 23		107

NET
Time

NOTES

NET Time	NOTES
004:00:59:23	
01:00:40	Historiker has been reactivated
01:04:54	waiting on a go for warmer ops - 470 90 because of low temps
06:49	handing over to TDRSS
08:56	AOS - TDRSS
15:40	normal ops - Phoenix
16:17	COM: Change of Shift P/C at 8:45 AM EST
29:01	teleprinter activated
32:00	also. We're up line the same - 4th Day 5 - same schedule
35:44	COM - Change of Shift before 8:45 AM EST
29:07	line of activation over line - in OTC take out
41:34	looking at Champ
44:29	copy config
47:20	Spice 60 resume
49:59	Work up on weather for tomorrow
01 58 38	Done this
02 05 11	COM: Normal of Change of Shift
02 31 40	AOS Phoenix Set up panel A16 for TDRSS shred. from 425 on one D of Panel 4 now in back close

Transcript Profile
Flight 61-6

LOCAL TIME: 8:07

OST:	General Activity	Cassette #
015:14:40	Attempt To Close Lid	98

NET Time	NOTES
02:16:16	AOS
02:24:26	Handing over to TDRS temporarily
02:33:28	Load data tape in
02:35:32	COM / Pres II call will take place 11:34
02:35:48	COM / Overview of 51L
02:41:15	Temp at shutdown 2.5° on IR Camera
02:57:30	Seen EVX, Try another attempt to close Buckley's lid
02:58:52	COM / Attempt to close lid
03:00:10	Set relay 12 to hot watching it
03:03:12	Still open
03:04:17	Go to high unless you have any ideas
03:04:57	COM / Handing UVX
03:06:01	Modify TDRS attitude
03:16:30	Reading Numbers
03:18:18	COM / TDRS - LOS
03:19:11	COM / Alert
03:33:24	COM / Pres phone call
03:33:34	COM / Weather officer
03:34:25	COM / Mission watch report
03:38:24	AOS
03:39:57	Message 24 b changes
03:40:33	Copied on line 3

Transcript Profile
Flight LIC

LOCAL TIME: 0:30

GST: 015:15:36:00	General Activity Comd	Cassette # 98
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MET Time	NOTES
03:44:30	Watching Weather "Looks Good"
03:47:00	LOS
03:47:08	COM / Involved in arbiter payment
03:47:55	Setting up for Res call / COM
03:	

Transcript Profile
Flight 61C

S. P. ADI

LOCAL TIME:

GMT: 016:14:15	General Activity (faint handwritten notes)	Cassette # 108
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MET Time	NOTES
009-07-23-24	
00-24-00	Start with [faint]
00-30-00	AS [faint]
00-37-00	IPC [faint] ... [faint]
00-40-00	[faint]
00-42-00	[faint]
00-44-00	[faint]
00-46-00	[faint]
00-48-00	[faint]
00-50-00	[faint]
00-52-00	[faint]
00-54-00	[faint]
00-56-00	[faint]
00-58-00	[faint]
01-00-00	[faint]
01-02-00	[faint]
01-04-00	[faint]
01-06-00	[faint]
01-08-00	[faint]
01-10-00	[faint]
01-12-00	[faint]
01-14-00	[faint]
01-16-00	[faint]
01-18-00	[faint]
01-20-00	[faint]
01-22-00	[faint]
01-24-00	[faint]
01-26-00	[faint]
01-28-00	[faint]
01-30-00	[faint]
01-32-00	[faint]
01-34-00	[faint]
01-36-00	[faint]
01-38-00	[faint]
01-40-00	[faint]
01-42-00	[faint]
01-44-00	[faint]
01-46-00	[faint]
01-48-00	[faint]
01-50-00	[faint]
01-52-00	[faint]
01-54-00	[faint]
01-56-00	[faint]
01-58-00	[faint]
02-00-00	[faint]

Transcript Profile
Flight 61C

LOCAL TIME: 10:08 AM

GMT: Oct 14 08 10	General Activity 61C	Cassette # 106 (w)
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MET Time	NOTES
08:17	
09:12:19	AC 5 11:00
09:24:44	Crew ...
09:25:10	...
09:28:00	...
09:29:41	...
09:29:41	...
	...
	...
09:32:01	...
09:40:01	...
	...
09:51:42	...

Transcript Profile
Flight 266

LOCAL TIME: 9:50am

CST:	General Activity	Cassette #
15:15:40 30	Voice Check for Costa Rica	99

MET	NOTES
Time 03:23:43	
03:53:09	ADS three Howard
04:02:46	COM / Voice Check
04:04:21	Columbus w/ you three TIRS
04:04:40	How do you hear this noise, "Loud + clear"
04:05:19	We hear a squeal
04:05:41	Which speaker it might be
04:07:00	We are getting squeal
04:11:47	Costa Rica on line for voice check
04:12:30	Good voice quality
04:13:04	Voice check in Spanish
04:13:56	Completes voice check
04:14:35	COM / Good Voice check
04:27:22	ADSF Redactivate
04:28:03	For manual operations
04:29:07	Did Item 3 "
04:29:48	Wait 30 seconds between item 3 + 2
04:31:33	Item 2 didn't work
04:32:06	COM / ADSF experiment
04:32:39	COM / Expecting live TV.
04:33:25	Item 3 then item 10
04:34:06	Complete
04:40:38	Ready to see TV downlink
04:41:01	Another voice check

Transcript Profile
Flight 61C

LOCAL TIME: 10:59 AM

GMT: 10/11/75	General Activity 61C	Cassette # 109
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MET Time	NOTES
04:50:00	
05:00:00	05:00:00
05:05:00	05:05:00
05:10:00	05:10:00
05:15:00	05:15:00
05:20:00	05:20:00
05:25:00	05:25:00
05:30:00	05:30:00
05:35:00	05:35:00
05:40:00	05:40:00
05:45:00	05:45:00
05:50:00	05:50:00
05:55:00	05:55:00
06:00:00	06:00:00
06:05:00	06:05:00
06:10:00	06:10:00
06:15:00	06:15:00
06:20:00	06:20:00
06:25:00	06:25:00
06:30:00	06:30:00
06:35:00	06:35:00
06:40:00	06:40:00
06:45:00	06:45:00
06:50:00	06:50:00
06:55:00	06:55:00
07:00:00	07:00:00

Transcript Profile

Flight 61C

LOCAL TIME: 10:18 AM

CST:	General Activity	Cassette #
011 19 08 30	11:00	109 out

NET Time	NOTES
06:06 13 - 16	30 sec 11:00 at 11:00
06:06 14 - 16	15 sec 11:00 at 11:00
06:06 16 - 18	15 sec 11:00 at 11:00
06:06 18 - 20	15 sec 11:00 at 11:00
06:06 20 - 22	15 sec 11:00 at 11:00
06:06 22 - 24	15 sec 11:00 at 11:00
06:06 24 - 26	15 sec 11:00 at 11:00
06:06 26 - 28	15 sec 11:00 at 11:00
06:06 28 - 30	15 sec 11:00 at 11:00
06:06 30 - 32	15 sec 11:00 at 11:00
06:06 32 - 34	15 sec 11:00 at 11:00
06:06 34 - 36	15 sec 11:00 at 11:00
06:06 36 - 38	15 sec 11:00 at 11:00
06:06 38 - 40	15 sec 11:00 at 11:00
06:06 40 - 42	15 sec 11:00 at 11:00
06:06 42 - 44	15 sec 11:00 at 11:00
06:06 44 - 46	15 sec 11:00 at 11:00
06:06 46 - 48	15 sec 11:00 at 11:00
06:06 48 - 50	15 sec 11:00 at 11:00
06:06 50 - 52	15 sec 11:00 at 11:00
06:06 52 - 54	15 sec 11:00 at 11:00
06:06 54 - 56	15 sec 11:00 at 11:00
06:06 56 - 58	15 sec 11:00 at 11:00
06:06 58 - 60	15 sec 11:00 at 11:00

Transcript Profile
Flight 61C

LOCAL TIME: 12:57 PM

OST:	General Activity	Cassette #
010:18:53:45	61C	110

NET
Time

NOTES

04:07:14:52	Shower Room No. 100
04:07:28:07	Shower / no VHF at shower
04:07:33:05	LCS Harbor
04:07:41:42	TDRSS
04:07:49:50	Shower H-0
04:07:53:44	Shower
04:08:10:11	"
04:08:21:51	Foot bath TDRSS Harbor
04:08:28:30	NASA comments (13:30:00)
04:09:06:44	"
04:10:05:15	COMM Change of Shift Briefing sched. For 4:30 pm Cancelled
04:10:19:00	COMM - Landing team at GILAM CRT Deorbit
	MIC + 4:24. Landing 5:00:17
	predicted weather at KSC - currently favorable
	but predicted ground fog. Real-time call will be
	made from predicted 3k, 12k, 25k SEC HORIZ and 7+
	miles with 000 degrees to 6 kbits.
	should we want to + 10 Edwards, deorbit at CRT
	12:38 Landing. 13:34 (7:39 AM CST)
	Weather favorable at Edwards.
10:11:04	with: Tip Case - just after the Mission John P. ...
	at ...

Transcript Profile
Flight 6.1.6

LOCAL TIME: 12:11

GMT:	General Activity	Cassette #
05:18:11:30	Experiments	101

MET Time	NOTES
05:25:40	Handover to Indian Ocean
06:26:15	Maneuver IMU Alignment
06:30:21	Standby
06:38:00	LOS in 1 minute
07:06:19	AOS
07:14:07	Start LOS
07:17:25	AOS
07:17:39	Chamber Door
07:35:20	COM / Orbit 53
07:37:22	Supply Bravo dump
07:39:24	Attitude for sleep
07:39:34	PTC attitude
07:40:50	Tank temp to protect
07:41:27	Orbit 7 team has been busy also
07:50:30	COM / Satellite playback on orbit 47
08:02:23	Dual IO changeout
08:04:23	Start Supply dump
08:09:20	LOS in 2 minutes
08:12:39	COM / Pre-sleep activities
08:29:27	COM / RCA Satellite check OKM burn
08:31:33	AOS
08:35:14	release spec 60
08:35:55	COM / Handover to planning team

Transcript Profile
Flight 610

10.50 PM

LOCAL TIME:

GST: 017 04 55.03	General Activity	Cassette # 111
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NET Time NOTES

004: 19:00:11	
02 40	2 min to LOS engaged comming in over dove & was why you (dove) were engaged it. Good luck
04 05	COM Tom Klein now in mission control Landing has taken place
21 00	AOS TDRSS welcome back to the entry from Marsing Hot. Will be going up from today - it's a 3 day weekend - Roger that
22 10	How KSC looking? Study 1.
24 05	current observations
00: 33.29	longing angles on ground no need to read them down
36 00	AOS TDRSS
37 00	AOS Mica for 6
43 31	1 min KOS mika
45 03	AOS TDRSS
47 30	turn file rules as applicable - see minor change
18.13: 39	Along LOS deactivate Fitchiker on time
18.27 10	AOS
34 19	AOS Galathea 1 min to Canberra

Transcript Profile
Flight 61C

LOCAL TIME:

GMT:	General Activity	Cassette #
018'20'47'50	Sleep	102

MET	NOTES
Time 12.3.58.50.21	

09'20'47 Goodnight

09'21'50 COM / Goodnight call

09'21'50 Master Alarm caused by wca, Ops - working + u

worry about

00315'20.0 Standby transmission of wake up call - COM 102

del into ABL - 100% level - at low alt - established

00317'39.0 Wake up - 100% level - 100% level - 100% level

How 100% level - 100% level

How 100% level - 100% level

00317'39.1 No tailwind message yet - etc on the way. They

may be trying to be "thru" noise

00317'53.1 AOS 100% level

18'04'35 AOS for 6

18'18'10 100% level to do 100% alignment - share

18'31'01 How 100% level

18'33'14 AOS TDSS given entry area if you

18'39'14 100% level - 100% level - 100% level

18'52'43 AOS

19'01'59 AOS TDSS again

19'23'12 were finished w/ 100% level - you can

distinctly see - OK understood

19'23'54 100% level - 100% level - 100% level

19'23'54 100% level - 100% level - 100% level

19'23'54 100% level - 100% level - 100% level

19'23'54 100% level - 100% level - 100% level

Transcript Profile

Flight 610

2:44 AM

LOCAL TIME:

GMT: 617-08:42:35	General Activity	Cassette # 113
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NET Time	NOTES
004:20:47.25	maneuver pad readouts
21:14:30	det of VSC targets coming up.
21:34	gave you Edward's summary - what should be it for teleprinter
21:22:15	cont. 1/2 hrs before we need to make a decision on whether burn for KSC. Mastore seems to be moving away
21:25:01	good solution for your targets
21:27:49	One pump-3 was a little slow
30:15	Los TDRS
31:27	COM KSC weather update
21:39:59	ADS Yargadee
21:46:44	COM KSC weather update
47:23	Immin LOS Yargadee
47:40	COM: KCS
48:51	COM Baystad bay down all started
22:01:11	Columbia Houston: how read
03:46	convoy Houston cap com how read
06:24	ADS Hawaii Aloha
08:02	COM KSC weather

Transcript Profile
Flight 61C

4:50 AM

LOCAL TIME:

GST: 017:10:50:33	General Activity	Cassette # 115
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MET Time	NOTES
004:22:55.46	pad Madouts
59:51	COM
23 01:00	give us one more reload of the targets
05:18	COM
06:00	1 min LOS TDRSS Gargadee at 16
06:30	COM: 7:46am Edwards landing if that's the decision
16:30	ADS Gargadee for 8
16:41	COM: no chance of weather being good for landing at KSC tomorrow. Edward forecast good.
18:23	did you back out Silt's enable? Yes
23:28	APU #3 showing 44° - we're looking for action
24:12	LOS Yar.
24:21	COM:
23 42:36	ADS page 3-8 entry checklist no go for descent burn. We copy 24 for ext. file notes. Why are we gonna pass Edwards where gonna take. 1 more shot at KSC cryo heater reconfig.

WRAIDE

Transcript Profile
Flight 61C

5:40 AM

GMT: 017:11:40:40	General Activity	LOCAL TIME: Cassette # 116
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MET Time	NOTES
004:23:45:46	de orbit backout rdgs
46:34	add. file notes thermal enable circ pump #2 to on
47:43	COM: We're gonna go around another day & try to land at KSC orbit 95 at 6:30 AM CST ^{MET} 6:00:46
49:15	can we get vernier heaters on?
54:56	go to perform payload bay door open
005:00:03:06	stay stowed
06:34	COM handover in control center
08:14	we did not respond that
20:17	Rpic 6
29:46	MSL 7 act delete L1 flow reconfig IBSE filter cleaning gas CO 7 react.
31:41	FES ch B off please
35:07	gas quest. verify SCA in center pos. enable - put in off pos. ok
40:56	good shape on the fuel
42:26	2 min to LOS
44:10	open dedivan

Transcript Profile
Flight 61C

6:40 AM

LOCAL TIME:

GMT: 017.12.39.41	General Activity	Cassette # 117
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MET Time	NOTES
005:00:44.41	AOS 005:00 20V is go. Go to relay state relays 30+30 in hot - 3.2 later. water spray boiler 3 to alpha
57:50	Los Yargadee
01:05:00	AOS Steam
04:30	COM: 7 min more AOS 8:45 AM change of shift
07:59	go for Hitchiker reactivation
11:12	1 min Los Hawaii at 18 dump water to 15% after TMO align
18:45	AOS Hawaii go for IRLE - good general overview for flt day 6
39:48	"We have your downlink"
40:16	COM: W infrared of Central American Coast
54:14	COM: We will have a playback at 7:50 AM
55:16	put eye canister #1 in pos. B. during pre sleep load 2 new cans A+B
02:06:00	COM: Handover has taken place in mission control change of shift at 8:45 CST
08:30	handover to orbit 2 + Shannon will have you
22:00	End of 2/41
20:50	COM: Change of Shift after - Inflected Camera opt. ^{3 sleep.}
41:38	- - OK Hawaii we copy

Transcript Profile
Flight 61C

LOCAL TIME:

GMT: 017:44:37.00	General Activity 61-C	Cassette # 118
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MET Time	NOTES
005:02:42:00	Radio activated - After in a report - CR
04:40	Co-Master - See you at 2 - Hawaii
50:10	Change / Shift at 8:50 am
55:42	Hawaii - Nettle - CR from staff
56:42	Nettle - will see - just from Christchurch
59:07	CR done by law
59:58	Debate on Sec 470 - D10900
06:58	Banner is about on hand - CR that was on open gate
07:45	Patrol - Patrol number - Number of Nettle
09:13	Debate on Nettle number - See S.F. 5:30
13:15	2-11 of traders 1114
18:50	We have a quarter CR - set of tablets - 4 each total
20:28	We think we are in good shape for the tablet
22:41	Banner making for change? Will just keep on looking at it
23:45	Banner - what time for change? seems a long time
005:03:36:31	Start / gradient / start change
005:03:38:45	Start free drift / NAGA movements (902 approx)

Transcript Profile
Flight 6-1-C

9:35
LOCAL TIME: AM

GMT: 17:15:36:15	General Activity 6-1-C	Cassette # 119
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MET Time	NOTES
05:03:56:30	Powering TDRS
05:03:59:02	WASA Controls / WSAWS release TDRS experiment
05:04:14:17	power stop activity / test bikes -
05:04:19:17	Grease / temp check
05:04:24:54	TDRS 76 / check status 15:47
05:04:32:16	Hawaii / off JPL deck - RV account closed -
05:04:42:30	TDRS / circuit pump to APC / power jet.?
05:04:48:46	PCC climbing + load case
05:04:51:12	3% above de-orbit

Transcript Profile
Flight 6-1-C

10:58 AM
LOCAL TIME:

GMT: 17:16:47:30	General Activity 6-1-C	Cassette # 120
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MET
Time

NOTES

05:05:04:05	NASA comments / little alarm
05:05:09:44	Salt tablets / no dep. number of KSC /
05:05:10:14	Smaller temp. at start
05:05:12:37	RCS prep. / req. correct /
05:05:14:37	Random on prep /
05:05:17:00	Altitude: Hold till sunset
05:05:21:09	DAP /
05:05:26:11	Departure ...
05:05:34:15
05:05:34:21

06:05:41	RCS Manual
06:08:42
06:17:00
06:20:11	RCS Manual

06:23:04
06:24:11
06:25:15

Transcript Profile

Flight AC

LOCAL TIME: 12:40 pm

GMT: 07 13 46 20	General Activity AC Summary	Cassette # 101
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MET Time	NOTES
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06 51 50	COM - 1st ...
06 54 11	COM - ...
06 54 40	COM - ...
06 55 15	COM - ...
06 56 20	COM - ...
06 57 01	COM - ...
06 57 20	COM - ...
07 03 30	COM - ...
07 04 10	COM - ...
07 05 21	COM - ...
07 07 00	COM - ...
07 11 43	COM - ...
07 11 50	COM - ...
07 12 41	COM - ...
07 13 40	COM - ...
07 18 00	COM - ...
07 18 20	COM - ...
07 18 40	COM - ...
07 18 50	COM - ...
07 19 00	COM - ...
07 19 10	COM - ...

07 19 10 ...

Transcript Profile
Flight LIC

LOCAL TIME: 17:11:00

OST:	General Activity	Cassette #
000:00:00	LIC	127

MET Time	NOTES
000:00:00	
000:00:00	Am sleep my son takes "shots" every
	for LIC and then goes and has "shots"
	for the shots shots every day
005:16:30	Wake Up Call: "There and there" there
005:16:36	Wake Up Call: "There and there" again
005:16:38	2 min to LOS TDRSS
005:17:00	Collection time 17:00:00
005:17:00	17:00:00
005:17:10:00	17:10:00
17:10:20	17:10:20 to LOS; time to bedtime
17:11:30	17:11:30
17:21:49	2 min to LOS TDRSS 17:21:49
17:22:00	17:22:00 to LOS; time to bedtime
17:22:10	"There and there" shots?"
17:22:15	Shooting handover
17:41:58	17:41:58
17:42:50	Flight director tells "where there"
17:48:00	Ready for IMU's
17:53:44	leaving TDRSS going to Mula
17:55:30	AUS Mula
18:02:00	AUS
18:04:20	AUS TDRSS

Transcript Profile
Flight 61C

12.41 AM

LOCAL TIME:

GMT: 018:06:41:32	General Activity	Cassette # 123
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MET Time	NOTES
005:18:46:32	
54:00	LOS Yargadee see you at Canberra
55:12	AOS Canberra MSL-2 deactivation? you've
	got a go
18:59:51	AOS Canberra
19:18:51	COM: forecast for KSC
19:19:22	AOS ⁵⁵ CRT timer setup AOS LOS deactivation
20:54	COM: forecast for KSC cont. possibility of
	rain within 30 miles Edwards forecast
32:22	de orbit prep. take 3 - we follow you fleet, were
	right here w/you
20:07:00	last go for closing payload bay doors
20:08:30	COM: Will be LOS TDRSS in approx 5 min
20:10:37	LOS TDRSS Yargadee at 22
22:37	de orbit turn flight rules for KSC (1 maneuver
	pad (readouts and read back)
32:17	AOS Canberra
32:59	" "
33:24	" " for 4 cer deorbit flight rules
	for Edwards

Transcript Profile
Flight 610

2:30 AM

GMT:	General Activity	LOCAL TIME:
018 08 29 24		Cassette # 124

MET Time	NOTES
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005:20:34.29	ACS Canberra Hawaii at 51
57:07	ACS ^{Admin} ACS - We get a good copy
33:22	COM: Payload bay doors closed & checked
35:25	ACS Hawaii in 30 sec - Tanker Wpt
57:01	Address to Vandenberg in 1 min
21:00:00	Vandenberg - New Target
21:07:26	ACS TR95
21:09:03	doors <u>last</u> go for op 3 note on next door reconfig
21:22:07	COM: weather radar shows rain within 20 mi. but no precipitation at KSC weather at Edwards excellent.
21:30:19	final helprinter
46:50	take this as your <u>last</u> time for verniers go ahead
48:58	When ACS weather update for KSC
59:05	ACS on course not required will break up crew (talking about doing they party last night)
22 06 30	Being LOS
22 08 36	COM: 3200 ft 2500 ft 7 mi vs our word 1 kn rain shadow in area shows it to be 20 mi NE of landing site. Looks like it wont move before landing

Transcript Profile
Flight 01C

2/10 AM

GMT: 018-10:10-17	General Activity	LOCAL TIME: Cassette # 125
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MET Time	NOTES
005.23.15-16	
23.20.32	COM:
24.50	ADS Hawaii for 9
32.19	Heavy fog
43.39	fuel update? looks like you've got nice weather down there. Fuel state vector? We will be 5 min.
48.48	COM 2000 pc 3200 hr 1200 or 7mi 20
50.05	gumbel check
50.15	COM:
57.12	we show a good gumbel check on board
52.30	state vector coming
23.52.45	COM: K temp 60 dew pt 59 lt precip in area does not look promising at this time
55.00	clear to load targets
23.08.11	do we need another state vector? Aug.
10.17	COM 2000 pc 3200 hr 06° 2 to 7 mi As ground fog
11.53	marginal weather if we lose com we are no go for turn
13.10	COM:
14.04	1 orbit ext. Edwards have maneuver pads

Transcript Profile
Flight

LOCAL TIME:

GMT:

General Activity

Cassette #

125cont.

MET

Time

NOTES

065 23.14.54 maneuvers pack (readout, readback)

Transcript Profile
Flight 66C

5.14 AM

LOCAL TIME:

GNT: 0:18:11 13 49	General Activity	Cassette # 126
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MET Time	NOTES
005:23 19 49	manually reads (readout, readback)
20:49	can we have an update on Edwards weather
CAS TAM 14 24:18	20000 ft winds like altimeter 2076
36:28	ABO Jhangdee
42:12	LOS Yes.
48:48	ABO Ihuam
54:47	30 cu des Ihuam
006:00:02 22	ABO working on another party just in case
09:31	Bound from Hawaii to DRSS
11:17	ABO DRSS
11:35	COM 49 min to deorbit burn
28:58	new state vector do we need to reload.
29:52	COM
35:16	reload state vector
37:24	altimeter 30.32
43:34	COM go no go vector (Gary Kern)
46:41	He for deorbit burn, and that's the last time I'm gonna tell you that
47:34	COM: 1.2 min from deorbit burn
54:31	COM: 5 min from deorbit burn

Transcript Profile
Flight _____

LOCAL TIME:

GMT:

General Activity

Cassette #

126cont

MET

Time

NOTES

000 00:55.14

com 3/2 man from dublin

58.51

Have a great time will see you at
Liam

59.17

com to see to burning Burn should
now be underway

1:07 30

com. talks about weather at Dryden
I don't know

1:24 42

ADS:

Transcript Profile
Flight 61C

LOCAL TIME:

GMT: 018 13.21.24	General Activity	Cassette # 127
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MET Time	NOTES
006:01 26:32	
28:55	COM Ail manual
29:50	Config. ABS
31:18	COM. Betty Dryden - now on 3V
43:68	COM Blackout
47:58	COM. comming out of blackout in ²
50:23	COM ABS shortly
61:57.06	config ABS
51:27	Water leak on ADU I
52:17	COM:
53:01	energy ground track. I now are go
53:41	take the in
57:16	take our data
	No overlap from 126 (on cassette)

Transcript Profile
Flight 61-6

11:53 AM

LOCAL TIME:

GMT: 018:13:52:57	General Activity LANDING!	Cassette # 128
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MET

Time

NOTES

006:01:58:57	com 40 mi from Eldorado
59:10	state vector transfer
59:50	power-hold control to B
02:00:55	com 18 mi away from runway Some boom
02:35	com 7 mi away from runway
02:50	4 mi
03:44	com
006:10:04:04	com shutdown
05:50	we are gonna hold on - leave as is
07:23	RTD's off
10:07	landing gear safe now
16:00	We should ourselves go for APU shutdown - 2k to for extended power up
17:30	APU shutdown complete
25:45	we are complete with deactivation
27:00	5-18 APU state: deact status
28:29	com Playback of landing
29:40	We are about to leave com & leave the orbiter. See you back in Houston you did a wonderful job

Transcript Profile

Flight _____

LOCAL TIME:

GMT:	General Activity	Cassette # 128cont1
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MET

Time

NOTES

006:03:35.53

38

38.26

38.48

vehicle
vehicle looks real good - no damage of any
kind

com. Stralby for crew egress

#128
continued

END

DATE

FILMED

JAN 27

1986