

APOLLO-11 Mission Commentary
A Log of taped dialog recorded 7/20/69

TIME	VOICE	DIALOG / CONTENT
0:00		Noise
0:06	Aldrin	“... (muffled) interesting to note that when I kick my foot (garbled) material... there’s no atmosphere here, and in this gravity (cuts out) they seem to leave , and both of them have about the same angle of departure and velocity. From where I stand, a large portion of them will (unclear) by impact that there are a (unclear).... several , the percentage is of course ruled by impact. Different reasons (cuts out) is highly dependent on depth, the initial trajectory upward, where most of the (unclear) ... in the particles are found, especially strange.
1:02		Noise
1:12		(Unclear)
		Noise
1:15	Armstrong	I noticed several times in going from the sunlight into the shadow that just as I go in there’s an additional reflection off the LEM that along with the reflection of my face on the visor makes visibility very poor just at the transition of sunlight into ^{the} shadow. I think we have so much glare coming off my visor that (cuts out) no one actually gets on. Then it takes a short while for my eyes to adapt to the lighting conditions. By the time (garbled).....shadow area.
2:08	Aldrin	Yes, visibility as we said before, is not too great, but with both visors up (unclear) what sort of footprints we have in the (unclear) ... condition of the soil.
2:26	Armstrong	Then after being out in the sunlight for a while it takes ...uh Buzz, you’re on the cable.
2:33	Aldrin	Okay.
	Armstrong	Lift up your right foot - right foot. Your toe is still hooked in it.
	Aldrin	That one?
	Armstrong	Yes it’s still hooked in it. Wait a minute - okay now you are clear.
2:46	Aldrin	Thank you.
		Noise
2:50	Armstrong	Now lets move this (unclear)
2:52		Noise
2:58		Loud Noise Burst
		Noise
3:12	Aldrin	The blue color of my boot has complete disappeared now into this (cuts out) still don’t know exactly what color to describe this other than grayish-cocoa color. It appears to be covering most of the lighter part of the boot ..(garble) ... very fine particles (garble)....

3:44 Noise
3:48 Aldrin Roger, I'll try that.
Noise
3:54 Aldrin Now I had that one inside my mouth that time.
Noise
4:18 Aldrin In general time spent in the shadow doesn't seem to have any (cuts out).. Effects (cuts out) inside the suit. There is a difference of course in the incoming radiation in the helmet. So I think there's a Tendency to feel a little cooler in the shade (unclear)....
4:59 Noise to conclusion

NASA TRANSCRIPT

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CAPCOM - roll zero, pitch 250, yaw zero. Over.
COLUMBIA Roger. Thank you. You read back very clear.

CAPCOM Roger. Out. ¹⁰⁶
ALDRIN Houston, it's very interesting to note ¹⁰⁶ that when I kick my foot (cut out) - there's no atmosphere here, and this gravity (cut out) - they seem to leave, and both of them have about the same angle of departure and velocity. From where I stand, a large portion of them will know ^{NOT} by impact that they're a good two thousand. Several - the percentage is, of course, is ruled by impact. Different reasons (cut out) - it's highly dependent upon depth, the initial trajectory upward, where most of the - already the particles are found especially strange. ¹¹⁰²

CAPCOM Roger, Buz. And break, break, Columbia, this is Houston. When you track out of high gain antenna, then let's request OMNI Delta, OMNI Delta. Over.

COLUMBIA ? ¹¹¹² I'm in. ?

ARMSTRONG ¹¹¹⁵ I noticed several times in going from the sunlight into the shadow that just as I go in, there's an additional reflection off the LM that - along with the reflection off my face onto the visor - makes visibility very poor just at the transition - Sunlight into the shadow. I think we have so much glare coming off of my visor, that my (cut out) - no one actually gets on. Then it takes a short while for my eyes to adapt to the lighting conditions. But this time the (garble). ^{SHADOW AREA}

ALDRIN ^{2:08} Yes. Visibility, as we said before, is not too great, but both visor's up. (Garble). What sort of footprints we have in the (Garble). ^{CONDITION OF THE SOIL.}

ARMSTRONG ^{2:24} Then after being out in the sunlight a while, it takes - Buz, you're nearly on the cable. ^{2:33}

ALDRIN Okay.

ARMSTRONG Lift up your right foot, right foot. Your toe is still hooked in it.

ALDRIN That one?

ARMSTRONG Yes, it's still hooked in it. Wait a minute. Okay, you're clear now.

ALDRIN Thank you. ^{← THIS TO THE ?}

ARMSTRONG ^{2:50} Now, let's move that over with me. ^{2:52}

PAO Neil Armstrong has the scoop for the bulk sample collection. ^(NOISE BURST AT 2:58)

ALDRIN ^{3:12} The blue color of my boot has completely disappeared now into this - still don't know exactly what color to describe this other than ash-cocoa color. It appears to be covering most of the lighter part of the boot (Garble) very fine particles (Garble). ^{3:44}

CAPCOM Buz, this is Houston. You're cutting out on the end of your transmissions. Can you speak a little more forward into your microphone. Over.

GRAY-ISH

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ALDRIN 3:48 Roger. I'll try that.
CAPCOM Beautiful.
ALDRIN 3:54 Now I had that one inside my mouth that — 4:27
time.
CAPCOM It sounded a little wet.
PAO Neil's been on the surface a hour now.
Buz not quite twenty minutes; less than that.
ALDRIN 4:18 In general, time spent in the shadow — 4:18
doesn't seem to have any (cut out) effects. (Cut out) inside
the suit. There is a difference, of course, in the coming
radiation and the helmet. So I think there's a tendency to
feel a little poor in the data (Garble). — 4:59
CAPCOM Columbia, this is Houston. Over.
PAO One hour and a half expended on the
PLSS's now.
CAPCOM Columbia, this is Houston. Over.
CAPCOM Columbia, this is Houston. Over.
COLUMBIA Houston, coming in Delta.
CAPCOM Roger. You should have VHF AOS with
the LM right about now with VHF LOS will be about 40 minutes
15 seconds. Over.
COLUMBIA Thank you.
PAO Heart rates on both crewmen have been
averaging between 90 and 100. Flight surgeon reports they're
right on the predicted number of the Btu units expended in
energy of work. And he thinks they're in great shape.
ARMSTRONG As I look around the area, the contrast
in general is - comes about completely by virtue of the data
(Garble)- down sun through a very, very light-colored gray,
light gray color. A halo around my own shadow, around the
shadow of my helmet. Then as I look off across, the contrast
becomes (Garble) in that the surrounding color is still fairly
light as you look down into the sun. A larger amount (cut out)
of that area is looking toward us. The general color of the
(cut out) dark area, without sun, the contrast is not as big.
Surveying of all the dusty area that we've picked up, considerably
darker in (Garble)

END OF TAPE