SPT-EVA Okay. That tail - I guess I was looking at 5 degrees or so when I first spotted it.

CDR-EVA Okay, it's into the airglow now.

SPT-EVA I suspect that's the reason you couldn't see it the other day is because it was always in the airglow.

CDR-EVA Yes.

363 17 36 36 SPT-EVA We got a better elongation now. I suspect we ought to see that out the window. I looked at that yes - looked for it yesterday out window 3 and couldn't see it. Okay, let's press on. You can turn the lights on.

363 18 03 03 SPT-EVA They got some beautiful thunderstorms down there. Okay.

SPT-EVA Okay, that's on there. And wer'e coming up with a - coming up with a lock.

CC Skylab, we're reading you loud and clear. Carnarvon and Honeysuckle for 14 minutes.

SPT-EVA Roger, Story. Okay, that's locked. Go ahead, Bill. Read on.

SPT-EVA That's affirmative.

CDR-EVA Okay, it's already stowed and attached to the temporary restraint hook.

363 18 04 07 SPT-EVA Okay, just stand by. Let me get back in my foot restraint here.

CDR-EVA Okay, there it is and safety tethered.

SPT-EVA Very good.

PLT Are you getting Alfa 1 out?

SPT-EVA Just a minute here, Bill. Got to make sure I understand the orientation here.

CDR-EVA That looks pretty good.

SPT-EVA Yes. Okay, get our tether put away, and we'll be all set to go.

CDR-EVA How much more nighttime, Bill?

CDR-EVA Okay.

CDR-EVA Want a tether for that, Ed?

SPT-EVA I tell you what. There's no way to do it, Jer.

363 18 05 07 CDR-EVA Okay.

SPT-EVA You can't tether it. That's a fool - that's a drawback on this thing. You got to put the only tether attach point in that you have.

CDR-EVA Why don't you put it in the other way?

SPT-EVA Never tried it the other way.

SPT-EVA Okay. Alfa 1 position. And let me check something. Sometimes Alfa's not always in the Alfa bag. Yes, that's Alfa.

CDR-EVA Okay, go ahead.

363 18 06 03 SPT-EVA Okay. What about 201? Can we get out that - get that out and point at plus-X?

CDR-EVA Yes.

SPT-EVA Oh, okay.

SPT-EVA Okay.

CDR-EVA That's right.

SPT-EVA Okay.

SPT-EVA Tell you what we do, let's get S020 up and running first, because that's the one we've got the long exposures. Then we'll start working T025.

CDR-EVA All right.

363 18 07 39 SPT-EVA Start off with frame number 5 with our highest priority, which I believe is 5.

CDR-EVA Okay, Ed. I wonder, would it be any help for me to get in that - those restraints and hold you while you fiddly with the experiments?

SPT-EVA It may well, Jer. I was just thinking about that, because it looks as though I'm - even though I've grown a little, I'm still about a foot too short to make my head over there.

CDR-EVA Yes. Well, I could hold you like a sausage, a loaf of bread under my arm, you know, and you could just kind of go where you wanted.

SPT-EVA (Laughter) All right. We'll give it a go. Let me - -

CDR-EVA All right.

SPT-EVA Let me get out of the restraints here and get up at approximately the right position.

363 18 08 31 SPT-EVA My, that blue is a pretty blue.

SPT-EVA Right now, Bill?

SPT-EVA Okay. And what - do you know what we're over?

SPT-EVA Oh, you don't have the slider out, do you?

PLT We're coming up over tip of Australia and headed for New Zealand. We'll be over New Zealand in 10 minutes.

SPT-EVA Okay. I was just looking at the thunderstorms here. I notice when one - one bolt goes off, it tends to propagate, and there's a whole chain of them then go off.

CDR-EVA Yes.

363 18 09 37 CDR-EVA Purty, purty [sic].

SPT-EVA That it is.

CDR-EVA How about an EMU check?

SPT-EVA 3.6 and no lights for EV-1.

CDR-EVA 3.7, no lights, EV-2.

SPT-EVA Star that is that's rising right there. That's almost the same intensity as the comet, isn't it?

CDR-EVA Yes. It's a pretty bright star.

363 18 10 16 SPT-EVA Story, there's a star right above the horizon now, just about where the Sun's going to be coming up.

CDR-EVA Could that be Mercury?

SPT-EVA About 20 degrees - or - no, about 15 degrees right now, rising pretty fast. And it's about the same intensity visually as the comet. If anything, it might even be a tad dimmer.

CDR-EVA Could it be Mercury?

CC We're working on an answer to that, Skylab.

CDR-EVA I think it's about - only about 5 degrees up off there now. It's only one finger above the airglow.

SPT-EVA Okay, there's the Sun. Okay, let's start working on S022. I've got - -

CDR-EVA Okay.

SPT-EVA - - I think I need to get my - my head up here.

CDR-EVA All right. How's that?

SPT-EVA - ... I'll tell you what, I'm going to have to try and sight it in coarsely, without the - without using their sighter. Just trying to - -

CDR-EVA Okay.

SPT-EVA - - square that - -

CDR-EVA I got you by the knee, here.

363 18 11 25 SPT-EVA Okay, Jerry. Now let me go back down here.

CDR-EVA All right.

SPT-EVA The trouble is, though, we got T025 right in there now. I can't get my head over far enough to see the darn thing.

SPT-EVA Oh, back knob is hitting D-7. I'm going to have to loosen this up and move it up a little bit. Goldang it.

CDR-EVA Yes, I see what you're doing.

SPT-EVA See D-7, that - -

CDR-EVA Yes.

SPT-EVA - - that back knob is - happens to be shuttering the small image. Okay, that's up a little. Tighten her up again. Gosh!

CDR-EVA You got it tight.

SPT-EVA Now let me - let go of my legs again.

CDR-EVA Okay.

SPT-EVA Back up in here.

PLT Story, are you looking at the outer gimbal angle on gimbal 3?

363 18 12 42 CC Yes, we are, Bill.

PLT Yes, I just came out of nominal H-cage. Should I do another nominal H-cage, Story?

CC Stand by 1.

363 18 13 17 CC Stand by 1 on that cage, Bill.

CDR-EVA Easy with your head, Ed.

PLT I am standing by.

CDR-EVA Just don't rear back to admire your work, or you're liable to knock the camera off of T025.

	SPT-EVA	Okay. Thank you.
	CC	We don't think we need to cage right now, Bill.
	PLT	Beautiful; thank you.
	CC	And while I've got you, I've got a comment on when to start that S201 maneuver.
	PLT	Go ahead, Story. I'm ready to copy.
363 18 13 59	CC	Okay. Don't start it prior to 25 minutes of night remaining on your next nightside pass. That'll save us a few TACS by not exposing the vehicle to those gravity gradients for longer than we need to.
	PLT	Roger. Or to state the contra-positive, you want to start after 25 minutes -
	CDR-EVA	Get it?
	SPT-EVA	I got her centered, I think, pretty well, but the trouble is, I'm afraid I'm going to do just what Bill said.
	CDR-EVA	Yes, you are. I wouldn't fool with it, Ed.
	SPT-EVA	Yes, I think you're right. Hold on -
	CC	That's correct, Bill.
	PLT	Roger.
	CDR-EVA	I can see it clear back here.
	SPT-EVA	Okay. That damps out when it does. Okay. I guess the words are, you want the - the larger, faint circle inside the square.
363 18 14 57	CDR-EVA	Right.
	SPT-EVA	Well, that it is.
	CDR-EVA	Good show.
	SPT-EVA	And when it stabilizes out, I'll give you a - a number. Unfortunately, every time we get the exposure going, we're going to have ourselves a - a transient for a little while.

CDR-EVA That's all right.

SPT-EVA Okay, Bill. Go ahead with the S020. Read on and I'll -

PLT All right. ...

SPT-EVA That's right.

CDR-EVA That's good, Ed.

SPT-EVA Yes, okay. Would you get the timer set and give me a start? I'll go from storage to frame 5. Okay, standing by for your mark.

363 18 15 38 SPT-EVA Okay, there we are. On 5. Okay, now let me - hold on and let me give you the numbers when it damps out here.

CDR-EVA Go ahead.

CDR-EVA Yes.

CDR-EVA Yes, on the next night pass right after sunset.

CDR-EVA On a daylight pass. Okay. Okay, I'll try to remember it.

SPT-EVA Okay, I'll give you a number here.

CDR-EVA You might go back to ingress there, Bill, and just write a note that says, "Did you do the temperature measurement?" Okay.

SPT-EVA Okay, on the vertical. Now on - bottom is on the minus 2, and the top is on plus 4. That's the large disk. And in left/right we're at just about - just about centered. Looks like 3 and 3.

CDR-EVA Here comes New Zealand.

SPT-EVA 3 and 3, so we're centered pretty well left/right and only slightly off in vertical.

363 18 17 23 CC Skylab, we're 30 seconds to LOS. About 38 minutes to Bermuda at 18:52. All your systems are looking good.

	SPT-EVA	Thank you, Story.
	CDR-EVA	Thank you, Story.
	CC	And, Bill, those gimbal angles you're looking at. Whenever you enable CMG control, until the attitude becomes stable, you'll probably see some diversions like that.
	PLT	Okay. Thank you a lot for that information.
	SPT-EVA	Okay, what am I shifting up against in the back here? I don't want bump into anything.
	CDR-EVA	That's just the boom. You're okay.
	SPT-EVA	Okay.
	CDR-EVA	You want your feet over here, Ed, or where?
	SPT-EVA	Yes, I want them back. I don't want to be going where I'm going.
	CDR-EVA	Oh, okay. I got it. Let me steer you in.
	SPT-EVA	Yes.
363 18 18 11	CDR-EVA	Hang on just a minute, Bill. We're busy adjusting Ed's position here. Okay, now if you roll left, Ed, you got it made.
	SPT-EVA	T025. ... Looks like I've got to rotate this way, Jer.
	CDR-EVA	Yes. You're in good shape. All right.
	SPT-EVA	Now ... next year.
	CDR-EVA	How's that?
363 18 18 30	SPT-EVA	Well, I've got to move my - go to my left to get my head turned here.
363 18 18 44	SPT-EVA	... to line 25 now.
363 18 51 59	SPT-EVA	Okay, it's set there. Let's see if it's oscillating and all.