

SL-III MC-2120/1

Time: 14:14 CDT, 51/19:14 GMT

9/16/73

(17)
start
here
back

CDR - - the question. What do you anticipate we're going to do with 52 on EVA as far as removing that (garble) and we're going to do anything with that any of the doors.

MCC They can answer that - the Flight Directors said they can answer that one. So I'll turn you over. So to them.

CC Okay, Al, right now our plan is not to do anything with the doors and we'll have further updates for you on that and we're working the S052 problem.

SPT Glad to talk with you Jim, and tell the rest of the fellows hello.

MCC Okay, thanks Owen.

PLT Don't press too (garble)

PAO This is Skylab Control; Bermuda has loss of signal. Canary station will pick up Skylab in about a minute and a half. We'll keep the line up, continue to stand by.

CC Skylab, AOS Canaries for 9 minutes.

SPT Hello, there, Story. Go ahead.

CC Okay, on the BMMD urine measurement we did intend to use just one bag at a time on that.

SPT That's what Bill said this morning. Now I had the impression that the protocol that I used was equally satisfactory was that to optimistic, or not?

CC Did you put all three bags in one thing, Owen?

SPT That's right one and then added another one and then added the third and did it just the way the up-link message read I believe.

CC Okay, it maybe if there's no slop in the bags it certainly ought to turn out all right. What our intend was was 1 bag at a time, restrained in the box and to get each bag. What you've done it will probably be fine.

SPT Okay, I could see no greater increase in the scatter - the DD standard deviation I would guess was about the same either way. So I don't think there was much light.

CC Okay, and have y'all had a chance to look over the blood flow experiment yet? That's pumping the blood pressure cup up on the leg to 30 millimeters?

SPT No, we've looked at it, we've not tried it.

CC Okay, now we're going to schedule that later and the principle involved is that the blood pressure cuff stops all venous outflow until the venous pressure gets up to 30 millimeters and we can take a look at the flow into the leg that'll be a measurement of blood flow into the leg it's changing volume.

7

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SL-III MC-2120/2

Time: 14:14 CDT, 51/19:14 GMT

9/16/73

SPT Okay, I'll be happy to give it a try.

CC And on the muscle contractions there, we'd like to make that isometric to avoid as much movement as possible just tense the leg without any ankle movement at all and this will give us an idea of the effectiveness of the muscle pumps switch which you are pumping blood out of the leg.

SPT I was noticing there was only just 2 or 3 seconds, are you sure that's enough to get something measureable or if it's not anything noticable that you wanted say - a longer period.

CC No that's plenty 2 seconds will be fine.

SPT Okay.

CC And a couple of more questions on the BMMD here. On the last cal I've got a question I've got a questions did you use two 6 inch strip. Was both those put on the first food tray?

SPT That's correct. It was just the way I read it on the tape interpreted - interpreted literally, the first tray had tape already on it so I just left it there and then was no more tape added to the rest of course the tape remained on the first tray.

CC Okay, and did you use 2 (garble) on each food tray?

SPT That's affirm.

CC Okay, fine, any more repeatability type measurements or insensability loss or zero mass it will be appreciated by Bill.

SPT Okay, fine.

CC Moving on to SL2 data. You've got most of that already I'll just get you up to speed on things we haven't discussed before. They did show a loss of calicum phosphorus nitrogen and potassium very similar to what you see during bed rest. The M078, that's a bone (garble) that we didn't show any losses - bone density at all and they'll be very interested in seeing what y'all show.

SPT Okay, we hope it's the same.

CC And in terms of the force veolcity (garble) did Bill get a - generated with a (garble). There's no change at all with the arms, reflections or extension no change in flects of the legs but a 30 percent decrease in extension of the legs.

SPT I - - I don't know how to interpret that but I guess Bill does.

CC My interpretation is that you're probably pulling up with the legs on the ergometer quite a bit and that way you're protecting the flextion muscles, he doesn't agree with me though.

SPT I think that's a real good point as a matter

SL-III MC-2120/3

Time: 14:14 CDT, 51/19:14 GMT
9/16/73

of fact Al is the one who first I think developed a technique that (garble) or what every you call it a torquing on the upstroke and I think that's an enlarged measuring possible for our improved workload up here, in 1G, at least I never (garb;e) never put any torquing on the upstroke but here we have to for several reasons and I think that could very well be exactly what you say.

CC Okay, and M151 that we haven't discussed before it got some very interesting data on SL II. It shows that almost every tasks the first time you run it it took a lot more time the second time you ran it and most of those occurred right on around mission day 7 to 10, the second time it closely approached or got slightly ahead of preflight time and usually off casts the time that they were done for the third time it was a little more rapid than preflight.

SPT That's sounds reasonable.

CC And it was a few things like putting VCG sensors on y'all probably found it out yourselves they took about 3 times longer the first time and they never really did get to preflight because of lack or restraints of the observer and that of course is due in the WMC foot restraints and think you probably found the same thing.

SPT My guess is that the times are about the same because the observer, or at least the way I do it is I keep one foot on the outside in the wardroom and I think it goes just about the same speed myself.

CDR I'll tell you another thing we found out. You can get those tape (garble) those little (garble) if you don't try to treat all of them the same, by that I mean don't say from now on out I'm going to blot all of them or I'm going to put them in wet or whatever, the techniques we've been using had real good luck with lately is to put the sponge in and before you take off the cover off the (garble) is you push down on it with your finger and just almost to the level with the little seat and as stuff squirts out it's pushed out on top of the protector and you can clear it off and then when you put it on your body it doesn't squirt that stuff out all over you yet it doesn't take away excessive moisture from the sponge sort of a close look check it's been working real well.

CC Okay, thanks Al. And one more comment, M151 the inflight data is a lot regular or a lot more smoother than the preflight data in which many more interruptions and that sort of thing occurred.

PLT Okay.

CDR My guess is we're getting a lot faster than preflight just because we're do it every 3 days instead of once every 3 weeks.

SL-III MC-2120/4

Time: 14:14 CDT, 51/19:14 GMT

9/16/73

CC Yeah, that's another excellent point
and another bit of data you can add to that if you - you're
using your watch if you got some transient times to and from
different places in the workshop like from the wardroom to the
command module and that - that'll be very much appreciated.

CDR Wardroom to command module is 15 seconds
max speed.

CC Okay, copy. And that's of course about
four or five times faster than with S - -
END OF TAPE