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s indicate

cc - Now when I mentioned a quarter
to a half of a pound. I meant if you were to put a rigid body
weighing your same amount in there as opposed to a slightly
contribute flexible body restrain strap that the contribution due to a
contribute
little bit of motion like that may be a quarter to a half of
a pound. Bill is confident that he's got the accuracy to
repeatability down to 1/10 of a pound.

up here. We were discussing it between Hawaii and Goldstone.

And we think we can get to about plus or minus two digits or minus in the forth place and our calculations indicates that just about a tenth of a pound if we've done it right.

measurement insensible loss, we did discuss in insensible at the last science conference. And it's a tough thing to get at it. If you want to get it absolutely precisely you kind of have to wear a cellophane suit and a mouth piece all day which of course we can't do. Now, in terms of - I've a comment that comes next week. In terms of a -

SPT (Garble) already did it, he wants us to try it.
MS (Laughter)

CC Okay, in terms of what we did see, you recorded three studies between 0.2 and 0.6 pounds. Now when I did a theoretical calculation to come with a reasonable valve for seven hour sleep period, taken a look at your intake and out put, I've calculated 0.5 pounds so it comes in there pretty close considering the 0.1 (garble) device.'

SPT Yeah, I'll try that again too. I'm not too happy about that one measurement that was only 0.2 maybe I wasn't (garble) careful. I'll try it again, too.

about 1200 ccs, that's spread halfway between lets say 600 ccs through the respiration and another 600 ccs due to imperceptible flesh. And I calulated, based on your 2500 cubic calories a day and also about an insensible loss taking your outputs from your input to be about a 1000 ccs and drawing a portion between using about 70 calories an hour during your sleep in portioning it out, I came out to a losing about .5 pounds during a sleep period. So it's pretty close.

SPT Okay, sounds fine and I'm glad your coming out that closely.

CC
A nd some other things Bill is interested in and that is a couple more zero measurements. If a some morning when you get weighed do you just run from zero measurements and shoot those down on the Evening Status Report, he'd appreciate it.

SPT Sure, that's the kind of request we like.

SL-III MC-1816/2 Time: 19:03 CDT, 45/00:03 GMT 9/9/73 O kay, and one other thing if - if even r thing is CC a zero mass device is during and - a - after a dump. Okay. My guess is that you can't even SPT tell it when there is a GG dump underway. Do you have any indication to think that suggest that you can? No I don't think we got that evidence Owen and of course it depends - some what on how large a dump it Well, it always was pretty small - pick is pretty s a 2.5 degrees some 2 or 5 degrees somewhere around there. where aros But a - we'll - give that a try. And I bet just no indication at all and we can maybe take that out of the next guy protocol. f Okay, and if you don't have anything else on that, I'll move on to a few things on M171. Let's go on. SPT hey would appreciate getting a max heart CC rate during your PT, now anytime your instrument of course, there - there able to get that and we've see a bunch of them So they are interested in that data though. all ready. Okay. Now that's - you don't get that SPT from (garble) do you? No we don't get that Owen. CC Okay, when you say your interested in the PLT rate you just mean what the number is or a verbal recording of how high it got during the exercise or what were you asking for. Just one number, peak heart rate. CC Okay, I think Owen probably pretty well PLT knows those right now because we see them every day when we ride the bicycle. I, can almost tell you mine after 20 minutes of work at each varity of power levels but we'll try to record those and a - I was interested in what day do you do get down during our normal ergometry. Apparently you see workload, I don't know whether or not see you total watt minutes. No we don't see total watt minutes. CC Only power, apparently. PLT And in rmp too of course. CC Okay thank you. PLT And I think on channel A, you may still CC have some questions on why V dot 02 is running low up there. (Garble) understands that there is a 6-1/2up correction on 02 dot and think there was 2 or 3 percent down on CO2 dot and do understand it what the effect is on our cue of course so I don't - there was a question in my

mind about what our cue card is written in. Our cue card mentions that 02 dot correction but it doesn't say whether it is or is not. Inserted in the table, but that's sort of a minor point at this time.

thing

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CC
Yeah, I looked at that too and I think that the too a sis inserted in the cue card. That is what you should expect.

SPT
Those numbers on the cue card is what

we should be reading on the - the instruments.

CC
SPT
Now that's the way I interpreted it anyway
and then there's a correction made once it gets on the ground. e it gets
CC
Yeah, we think that cue card is true Owen, to one card
and if it's not true I'll get that up to you.

rcent 4

SPT Okay.

And the reason for that difference is that the (garble) in the mass spects analysis in nitrogen and it has been proven out and that at 6.5 percent 2 percent of the CO2 that was derived from running the white backup instrument in the 5 psi chamber.

SPT Okay.

CC And I've got about 30 seconds til LOS here as far as the Skylab-2 data goes I just like to say that we are taking a look at that. We're discussing the past but any new thing come up I will get it to you.

SPT Okay, fine Story.

CC And we're about 30 seconds to LOS here, see you over Bermuda with Bob Parker, be dumping the tape recorders there.

Skylab Control; Greenwich mean time, 00:10 minutes after the hour as the 253 day Greenwich mean time starts for the Skylab-3 workshop. Doctor Story Musgrave concluded the medical conference with the Skylab crew. Discussing several more experiements, the M172 body mass measurement devise, principle investigator which is Doctor William Thorton and also M171 experiment, the M171 is the metabolic analyser, Doctor Musgrave reported to the crew his new data is reduced from Skylab-2 flight, the flight of Astronaut Pete Conrad, Doctor Joseph Kerwin and Paul Weitz. This new information will be passed up to the crew. Next acquisition in approximately 2 minutes will be at Bermuda in which time Astronaut Bob Parker will continue the weekly science conference and he will be concentrating on the corollary experiments preformed during the We'll leave the line open for that discussion. previous week.

END OF TAPE