



High Level Introduction on EVA Tool Development for Space Suit Dust Mitigation

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Lessons Learned from Apollo

“Probably the most difficult job of all the closeouts was trying to dust the suits. It’s a difficult and awkward position. It’s hard to make **fast sweeping movements in a stiff suit.**”

- Cernan, Apollo 17

“We did our best, and I think probably the time spent was well spent. But I think also it was a bit **more time than we had anticipated.**”

- Cernan, Apollo 17

“Both of us found that our lower limbs and boots could probably be better dusted by **jumping up and down on a ladder** or clapping your feet together on a ladder, which, incidentally, the CDR had to do in every case because he was the last one in. His feet were **always in the dust prior to getting on the ladder.**”

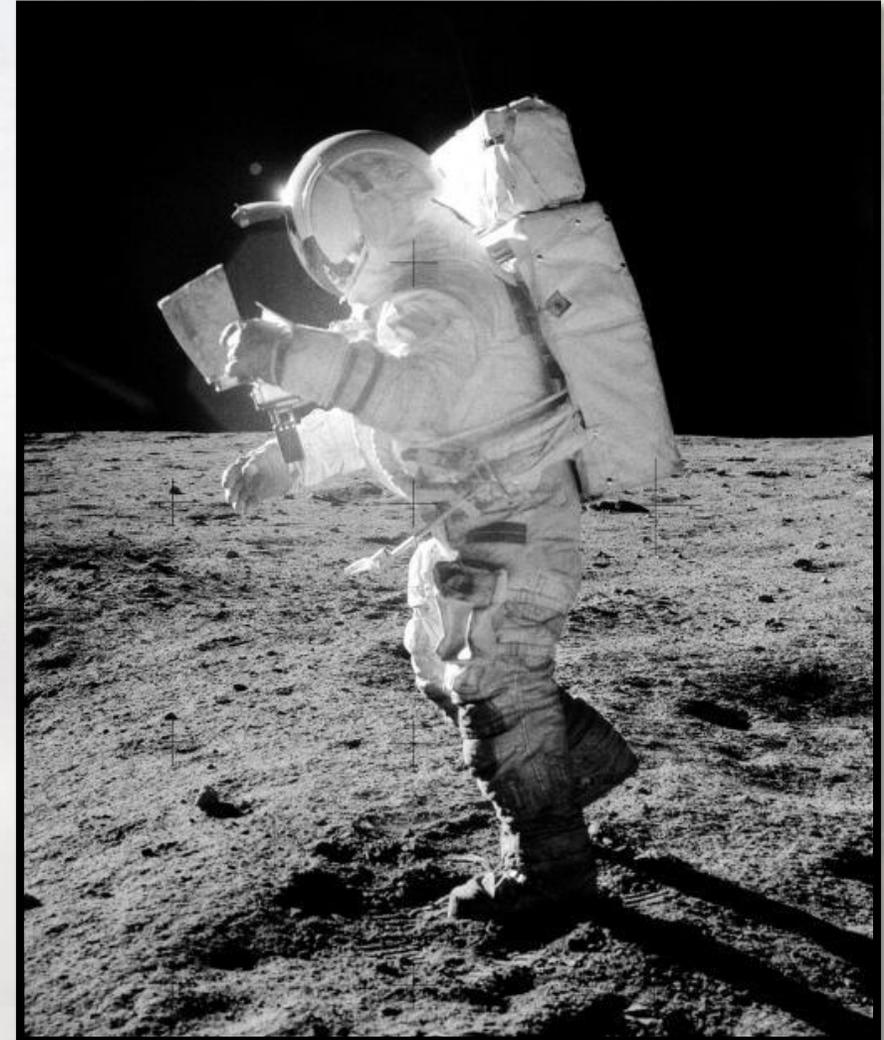
- Cernan, Apollo 17

“From the boots on up to the lower legs, backs of the legs, insides of the thighs, and so forth, the **brush did appear to be fairly effective in getting the first layer of dust off.**”

- Shepard, Apollo 14

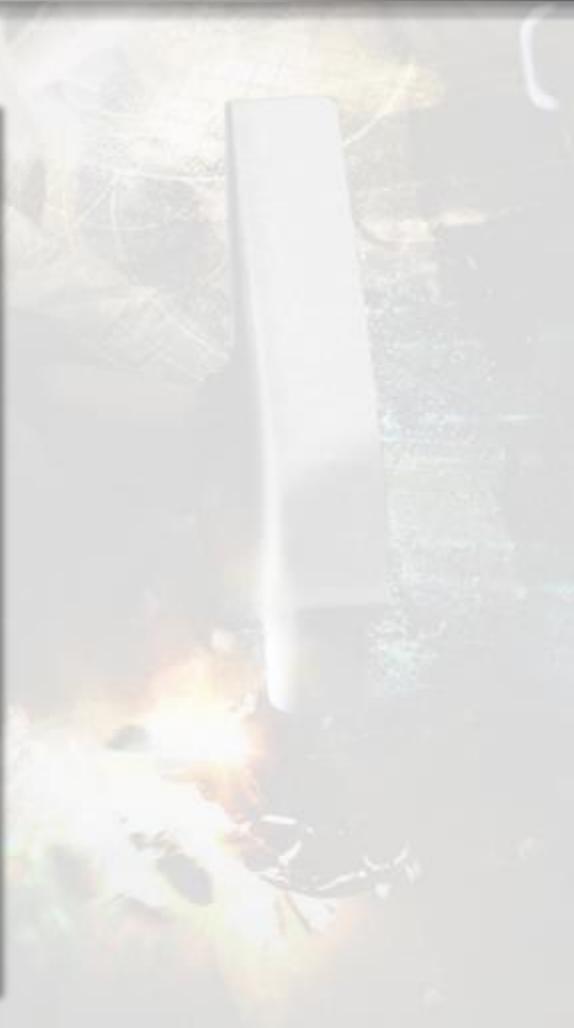
“**That lens brush is really a good brush.** It cleaned it off very well. The dust brush, to clean off the suits seemed to work pretty good. It got the gross dirt off. **It didn’t get everything.**”

- Scott, Apollo 15





Apollo Brush





Question?

- Stay tuned!
 - Plan to present details about recent tool testing and evaluations at future LSIC meetings

