

CARR
(CONT'D)

but we did find it very interesting to be able to see other objects up there with us. The fact that one or two of them appeared to be tumbling was apparently due to the oscillation of the light flashes that we were getting from them.

POGUE The OWS Heat Exchangers: There's a major design flaw there in that filters were not installed upstream of the OWS heat exchanger vanes. When we first arrived, the vanes were so uniformly coated with lint that I thought there was some kind of anodized surface on them. I was never fully convinced that I had done the vacuuming job properly; therefore, I fabricated a special tool that fit flush against those surface vanes so that I could exert a good vacuum. Though they are not supposed to be condensive heat exchangers, I sucked quite a bit of condensate water out of them. I tried the best I could to keep those things clean, yet I never did get all that lint pulled out of there. That is why I think we needed a filter in the system.

GIBSON EVA anomalies might also be mentioned here. For example, you had the water leak outside, and I also got a water leak.

POGUE One thing that was not mentioned on air-to-ground as a possible cause of the problem was the single-point failure that exists in the mechanical way that the PCU composite connector is hooked to the PCU. I was able during EVA, maneuvering through the clothesline ropes, not only to open the lock but also to extend the arm which pulls the PCU composite connector off.