

Re: Why do we have LOS, when we have all these TDRSes?

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- *From:* "Danny Dot" <don't.mail.me@xxxxxx>
 - *Date:* Thu, 14 Sep 2006 22:07:15 GMT
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Danny Dot wrote:

<hallerb@xxxxxxx> wrote in message
<news:1158263821.733280.288420@xx>

just what would occur id during LOS the station wenr and remained silent?

its a legit concern if say debris impacted during LOS you could have a lost crew from depress and not know what occured or why:(

This reminds me of an Apollo simulation training case an old flight controller told me about. The sim team started the leak just before the LOS of the going behind the moon. The flight controllers missed the leak and all went to the bathroom etc. They got the signal back and the crew is all in their suits and zero psi asking what they should do next. They ended up using the LEM as a life boat and came home. Again this was all in the simulators.

I understand the crew died a lot in simulations during Apollo. In shuttle today the instructors are basically not allowed to push the limits to the point failure happens sometimes. The training team in Apollo really pushed the limits of what the team (crew, flight controllers, and oncall engineers) could do. It paid off with Apollo 13. Apollo 10 trained almost the exact same case. In the Apollo 10 sim all hydrogen was lost at almost the exact point Apollo 13 lost all oxygen in the service module. The crew died in the simulation. They didn't get the LEM powered up in time. The LEM flight controllers came up with better ways to power the LEM up. These procedures were used in Apollo 13. Many think without the Apollo 10 simulation to highlight the need, the Apollo 13 crew would have died before the LEM was powered up to provide life support. That is why we train so hard.

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