

August 15, 1972

SMEAT DAILY REPORT

Number 16

This report covers the period from 0800 August 14, 1972, to 0800 August 15, 1972 (test day 20).

I. Significant Accomplishments - This period was relatively light activity in regard to medical activity; no major medical protocols performed. However, the crew did take blood samples and crew micro samples. The Scientist Pilot and Pilot performed the Sleep Experiment M133 during the night. No major problems were reported. Some minor problems experienced are discussed below.

II. Problems

A. Hardware

1. M-110 Blood Sampling Hardware. Air leakage around the syringe needle has been reported on previous blood draws, and getting adequate quantities of blood into the ASP (automatic sample processor) has been experienced. Different syringes are being obtained and will be provided to the crew prior to the next blood draw. The ASP quantity situation is being studied by the Life Sciences Directorate.

2. The crew has reported that the specimen mass measuring device elastomer sheet is separating where attached to the device. This problem is being investigated by the Project Engineer.

B. Facility

1. An inadvertent alarm on chamber pressure was received outside. This was traced to an operator error, calibration problem and is considered closed.

2. The crew commented on the volume and clarity of the telephone being inadequate. Some problems were experienced in conducting long distance and some local calls. The patch gains were readjusted to optimize the system and performance is average. Since this has been a recurring problem a hardline hookup between the phone system and chamber intercomm system is being investigated.

C. Procedures

None.

For with us on this problem we are calling S.W. Bell in again about the hardware. Also in the interim we are instructing all T.D.S & Captains to make all calls direct dialing instead of F.T.S. I'm sure this will improve the situation - from my experience going FTS in the Wash. etc I found extensive poor communication.

III. Environmental Conditions

No change in environmental conditions has occurred. All parameters remain within the specified band or profiles.

IV. Medical Summary

No change in the crew's medical status has been noted.

Richard S. Johnston
 Richard S. Johnston
 Manager, Test Operations
 Management Committee

Richard S. Johnston
 I'm attaching the Medical Data plots, I obtained at the Medical ds briefing this morning for your info. I'm not an M.D. however at one point I don't understand is why the Spt in comparison to the cdk does approx 3 times as much exercise, yet does not drink as much water -

Medics are going to plot total work at M171 plus exercise against weight to see if there is any significance.

Richard S. Johnston