

1084  
August 30, 1972

SMEAT DAILY REPORT

Number 27

This report covers the period from 0800 August 29, 1972, through 0800 August 30, 1972 (test day 35).

I. Significant Accomplishments - The following DTO's were conducted: food tray heating, food system, body weight, mineral balance, bioassay of body, crew microbiology, crew shower, housekeeping, personal hygiene, operational hardware, IMSS 3c air micro, habitability, aerosol analysis, chamber micro, and sleep monitoring was performed by the Pilot only.

II. Problems

A. Hardware

1. The crew examined all the respiratory valves being used with M171 and find that they all perform the same, i.e., they are being sucked open at high rates of flow causing a continual error during the respiratory cycle. This problem is being investigated and indications are that a change in the spring tension may be required.

2. The Apollo vacuum cleaner has been passed out of the chamber due to low suction, which appears from preliminary inspection to be caused by a large quantity of debris collected on the filter screen.

B. Facility

1. A urine spill occurred from a cracked hose in the Pilot's SMEAT urine system. This hose has been changed out.

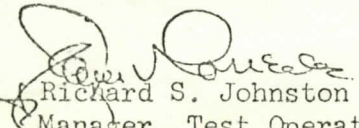
C. Procedural - None

III. Crew Health

No change in crew health as reported by the Medical Officer.

IV. Miscellaneous Comments

Procedures for using the can crusher will be passed into the chamber today.

  
Richard S. Johnston  
Manager, Test Operations  
Management Committee