NASA Special Publication

Proposed SMEAT Report Outline #2

9/19/72

I. Summary — Tech Writer

Brief highlights of the results of the test as a whole and the significant impacts on the Skylab Program.

II. Introduction — Tech Writer

Test background, accomplishments, report description and acknowledgements.

III. Purpose — Tech Writer

Reiteration of test objectives in past tense covering:

a. Primary
b. Secondary
c. Detailed test objectives

IV. Test Description — Correale

a. Facility	Casey/Snedicor
b. Experiment Hardware (major items)	Huffstetler
c. Procedure/test operation/span time and crew	Leblanc
d. Test Management	Bush
e. Safety, Reliability and Quality Assurance	Spence
f. Nonmetallic Materials Control	Sauers/CSD

Brief section(s) describing items and procedures, written in a past tense narrative including illustration, figures, photographs and sketches. Also hardware configuration identification and differences from flight items.

*V. Results by DTO — Shumate

This section will lead off with a general paragraph(s) on the test as a whole and describe the method of reporting. Each DTO will be reported on separately or grouped and reported on in a single report where the individual investigator so determines. Each separate DTO report should follow the following format where applicable.

Purpose - State the purpose of the experiment/activity as specified in the approved DTO.

Summary - State briefly a summary of your DTO activity - what was learned; its success/failure attainment; any application to the flight program; etc.

Test Hardware - Briefly define the hardware used for the experiment/activity and state its type (qual unit, DVTU, SMEAT peculiar, etc) paying particular attention to the differences with flight configured hardware.

Test Methods - State the approach to your activity with particular emphasis on differences/similarity to the flight approach.

Results and Discussion - State and enumerate all pertinent data acquired. This may be done in terms of curves, tables, photographs, charts, or what have you. Explain the results and their meanings - both obvious and subtle.

Problems - Enumerate problems which were encountered during the running of the test which impacted your successful accomplishment of your objectives - particularly those which can be extrapolated to having a flight impact. This should embrace hardware, procedures, data and crew interface problems. For those problems which occurred, briefly state the real time solution and what solution is required, if any, for the flight program.

Flight Impact - A statement of what you learned and its impact on the flight program should be summarized here.

1.	71-11 Metabolic Activity	Michel
2.	71-16 Vectorcardiogram	Hoffler
3.	71-15 Lower Body Negative Pressure	Johnson
4.	71-17 Sleep Monitoring	Shumate
5.	71-7 Heating Food Tray Operational System	Rapp/Turner/Humphrey
6.	71-18 IMSS	Ross
7.	71-14 Specimen Mass Measurement	McKinney
8.	71-10 SMEAT Hematology Program	Kimzey
9.	71-3 Bone Mineral Balance	Rambaut
	71-9 Body Weight	"
	71-12 Mineral Balance	"
	71-13 Bioassay of Body Fluids	"
10.	71-6 In-Chamber CO_2 Measurement	Waligora
11.	71-27 Urine System	Sauer
12.	71-25 Habitability/Crew Quarters	Bond
13.	71-20 OBS	Zieglschmid
14.	71-26 Aerosol Analysis	Harris
15.	71-1 Time and Motion	Rusnak
16.	71-2 Oral Microbiology and Hygiene	Frome
17.	71-4 SMEAT Atmosphere Analysis	Harris
18.	71-19 Microbiology	McQueen
	71-28 Chamber Environmental Microbial Monitoring	Graves
19.	71-21 SMEAT Shower	Trombley
20.	71-22 SMEAT Environmental Noise	Homick

21.	71-23 Data Acquisition System	Lowe
22.	71-24 SMEAT Sleep Restraint	Marak
23.	71-29 Housekeeping	Sauer
	71-30 Personnel	Sauer
24.	71-32 CM CO_2 Absorber	Tanner

*VI. Test Results by Activity

1.	Crew Health	Ross
2.	Experiment and Systems Hardware	Huffstetler
3.	Crew Procedures/Timeline	Guillory/O'Neill
4.	Crew Summary	Crippen
5.	Data Processing	Moseley/FOD
6.	Test Operations and Mission Simulations	Lowe
7.	Facility Operations	Hinners

*Include DR's and dispositions, failures, and resolutions, and Skylab impacts as to changes, verification of methods or procedures and general problems or successes. Include tables, graphs, figures, or illustrations to show points. Identify future efforts and unresolved questions.