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I-MRD-001F					
Volume III		REMARKS			
		PSCN 236 to I-MRD-001F, Volume III, is approved.			
DITERTACE	S AFFECTED				
		ACTION:			
		Pagestroids (Bargland)			
		KM - Update MRD in accordance with PSCN 236.			
CONCUR	RENCE	KM/CMO - Notify MSFC of approval of PSCN 236			
		This change has	been coordinated with	MSFC/C. Sprinkle.	
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		MSFC Representat	i ve	Date	
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SL-4 MRD, I-M	IRD-001F, Volume III			
	Tood Pressure Measurements to M092 for SL-4	s, Leg Measuremer	nts and Fac	ial
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SAFETY	N/A	TRAINERS AND	TRAINING N/A	
RELIABILITY	N/A	GSE	N/A	
PERFORMANCE	N/A	SPARES	N/A	1
MAINTENANCE	N/A	INTERFACE CON	TROL DOCUMENTS	1
OPERATIONS	Yes	DELIVERY SCHE	N/A	A
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REQUIRES INSTALLATION AT KSC				
IMPACT ON PROGRAM IF THIS CH	ANGE IS DISAPPROVED			
The facial-photograp every 14 (±3) days in PSCN 173 "Still P to the SL-4 MRD as S	(rather than early hotography for MO9	, middle, an	d late in the	e mission as
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COST SIGNATURE OF ORIGINATOR	DATE	PROVALS SIGNATURE OF MANAGER		

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* * * *

A total of 6 photographs will be obtained by use of the 35-mm camera and operational film every 14 (+3) days as follows:

CN

a) One frontal and one side view during a MO92 rest period for each crewman on one of their runs in the first $14 (\pm 3)$ days of the mission (two photographs per crewman for a total of six photographs)

206 206

One frontal and one side view during the subsequent M092 maximum ΔP level for each crewman (two photographs per crewman for a total of six photographs)

S C

One frontal and one side view during a MO92 rest period for each crewman on one of their runs in the second $14 (\pm 3)$ day period of the mission (two photographs per crewman for a total of six photographs)

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One frontal and one side view during the subsequent M092 maximum ΔP level for each crewman (two photographs per crewman for a total of six photographs)

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- One frontal and one side view during a MO92 rest period for each crewman on one of their runs in the third 14 (+3) day period of the mission (two photographs per crewman for a total of six photographs)
- One frontal and one side view during the subsequent M092 maximum ΔP level for each crewman (two photographs per crewman for a total of six photographs)
- One frontal and one side view during a M092 rest period for each crewman on one of their runs in the fourth 14 (+3) day period of the mission, preferably on the last MO92 rest period (two photographs per crewman for a total of six photographs)
- h) One frontal and one side view during the subsequent MO92 maximum ΔP level for each crewman (two photographs per crewman for a total of six photographs)

In order to properly assess the time and extent of the anticipated decrease in leg circumference, tape measurements will be made on each leg of each crewman at the largest part of the calf. These measurements will be made as soon after entry of the OWS as feasible and on each succeeding day up to (but not including) the day of each crewman's first MO92 test. These measurements will be part of FO 1 and are to be taken at the same time of day that M092 tests are to be run on subsequent days.

In order to avoid loss of important cardiovascular data on days prior to running the first MO92 tests and to provide selected blood pressure control point during the mission, manual blood pressure measurements of each crewman will be taken as follows:

On the left arm and left leg as soon after entry of the OWS as feasible and on each succeeding day up to (but not including) the day of each crewman's first M092 test (NOTE: These measurements will be part of FO 1 and are

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I-MRD-001F Volume III Change 3

to be taken at the same time of day that M092 tests are to be run on subsequent days.)

on the left leg just prior to putting on the electrodes for alternate MO92 tests beginning with FO 1 (NOTE: These measurements will be part of FO 1, 3, 5, 7, 9 ... etc.)

S C N 206

In-Flight Data

12 . 1-4

- a) Telemetry Required telemetry measurements for each LBNP session will be transmitted on a real-time basis when ground coverage permits; otherwise the data will be recorded for subsequent playback and transmission. Dumps of recorded data will be initiated at least once each day that the experiment is performed.
- b) Crew Voice Comments Comments by subject and observer will be recorded during conduct of the experiment. Voice observations will be required on the presence or absence of symptons and/or physical signs resulting from the experiment.
- c) Log Books Any crew voice comments and related data which cannot be recorded on the voice recorder will be entered in the appropriate experiment log.
- d) Photographs Forty-eight photographs (18 per crewman) using the 35-mm camera
- e) Return Payload Log books, if any, and photographs (Note: The photographs are to be included as part of the operational film.)

For additional details, refer to Appendix A.

Evaluation

Refer to MSC-03022, Scientific Data Analysis and Reporting Plan.

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