

shinkle



Life Sciences
Division

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TO: Distribution
FROM: SB/M. Moon *M. Moon*
RE: Crew Requirements STS 51-B

November 8, 1984

Enclosed are the crew requirements for SBRI-sponsored Medical DSO's scheduled on STS 51-B. If you have not already worked these requirements into your schedules, please try to do so now.

Thank you.

Mary Moon
Experiment Support

cc: CA7/S. Grega
DG4/B. Robertson
DH4/A. Ellis
SB/T. Bagian

Enclosure

MAM/cv

STS 51-B
SL-3

PREFLIGHT
REQUIREMENTS
MED DSOs

SEPT. 25, 1984

COURSE	CREW	INSTRUCTOR	LOCATION	DURATION	MISSION TIME	DATE SCHEDULED
DSO #439-- Documentation of the Action of Metaclopramide (Training)	2 TBD	W.E. Thornton, M.D. X3721, or Dr. J. Vanderploeg, X2381	OPEN	2 One hour sessions (can be done together) <i>- Not Rqd.</i>	OPEN	PI waives requirement
DSO #439-- Documentation of the Action of Metaclopramide (Baseline Data Collection)	2-5	W.E. Thornton, M.D. X3721, or Dr. J. Vanderploeg X2381	OPEN	105min/crew- member--15min setup/90min recording--can be done together or separately-- during sims or non-athletic activity. <i>Not Rqd.</i>	OPEN	PI waives requirement
DSO #441--Re-entry Blood Pressure-- Training	2	Dr. T.P. Moore X2381 or Dr. W.E. Thornton X3721	OPEN	30 min (can be done together) <i>Not Rqd.</i>	OPEN	PI waives requirement
DSO #441--Re-entry Blood Pressure-- Baseline Data Collection	2	Dr. T.P. Moore X2381 or Dr. W.E. Thornton X3721	OPEN	1-2 hr. recording (can be done during sims, esp. re-entry sims) <i>Not Rqd.</i>	OPEN	PI waives requirement
DSO #451--Eye- Hand Coordination During SMS-- Training and Baseline Data	1-5	Dr. W.E. Thornton X3721 or Dr. T.P. Moore X2381	OPEN	5-6 Sessions of 15 min. each <i>Not Rqd.</i>	OPEN	PI waives Requirement
DSO #446--Leg Plethysmography-- Training and Baseline Data	3	Dr. W.E. Thornton X3721 or Dr. T.P. Moore X2381	OPEN	2-3 Sessions of 15 min each <i>For each participant</i>	One session at F-10d exam per Dr. Moore	PI waives remaining requirements
DSO #453-- Combined Blood Investigations-- Baseline Data	2-4	Leach, Schneider, Landry, Cintron and Thornton	JSC Clinic	5min/crewmember (must be 8 hours fasting)	F-10 days Physical	
DSO #453-- Combined Blood Investigations Training	2	Leach, Schneider, Landry, Cintron and Thornton	OPEN	3 hours (can be divided into 2 sessions of 1hr and 2hr each)	OPEN	L-3 mo.

STS 51-B
SL-3

09/26/84

INFLIGHT REQUIREMENTS
MED DSOs

whereas 437 - Does Rushing

DSO	CREW	PRIMARY INVESTIGATOR(S)	DURATION	MISSION TIME
DSO #439-- Documentation of the Action of Metaclopramide (Controls) MCP ACTIVITY	2-5 TBD	Dr. W.E. Thornton X3721 & Dr. J. Vanderploeg X2381	15m minimum recording time; plus 20m/crew- member for setup/stowage	FD 1 or 2 plus one more FD
DSO #439--Documentation of the Action of Meta- clopramide--during SMS	2-5 TBD	Dr. W.E. Thornton X3721 & Dr. J. Vanderploeg X2381	Minimum 15 min; Optimal 90 min; +20m setup/ stowage	The first time a crewmember takes MCP
DSO #441--Re-entry Blood Pressure	2 TBD	Dr. T.P. Moore X2381 or Dr. W.E. Thornton X3721	30min setup Record from 30 min before re-entry prep until re-entry complete.	De-orbit
DSO #451--Eye-Hand Coordination during SMS--Controls	1-5 TBD	Dr. W.E. Thornton X3721 or Dr. T.P. Moore X2381	20m/crewmember per session	Once each: Early, mid and late in time- line
DSO #451--Eye-Hand Coordination during SMS	Crew with SMS Symptoms	Dr. W.E. Thornton X3721 or Dr. T.P. Moore X2381	20m/crewmember per session	Each day with symptoms and day after symptoms subside
DSO #446--Leg Plethysmography	3 TBD	Dr. W.E. Thornton X3721 or Dr. T.P. Moore X2381	15m/crewmember per session	Early as poss- ible on orbit; 1,3,6,12,24h MET; midflight; late flight
DSO #453--Combined Blood Investigations	4	Drs. Thornton, Cintron, Leach, Schneider and Mr. Landry	5m/crewmember for blood collection-- plus 30m for processing; 5m to stow	MD2 MD4 MD6

shopping list

~~shopping list~~?

DIO PREP or
ENTRY C/L

shopping list

shopping list

scheduled
GOLD FD2
FD4
FD6

STS 51-B
SL-3

09/25/84

POSTFLIGHT
REQUIREMENTS
MED DSOs

COURSE	CREW	INSTRUCTOR	LOCATION	DURATION	MISSION TIME	DATE SCHEDULED
DSO #439-- Documentation of the Action of Metaclopramide Baseline Data	2-5	Dr. W.E. Thornton X3721 or Dr. J. Vanderploeg X2381	OPEN	<i>Not Rqd.</i> 105m/crewmember-- 15m setup and 90m recording during non-athletic activity.	OPEN	
DSO #451--Eye- Hand Coordination During SMS Baseline Data	1-5	Dr. W.E. Thornton X3721 or Dr. T.P. Moore X2381	OPEN	20m/crewmember <i>Not Rqd.</i>	R+1 or R+2 d	
DSO #451--Eye- Hand Coordination During SMS-- Baseline Data	1-5	Dr. W.E. Thornton X3721 or Dr. T.P. Moore X2381	OPEN	20m/crewmember <i>Not Rqd.</i>	R+7 days	
DSO #446--Leg Plethysmography-- Baseline Data	3	Dr. W.E. Thornton X3721 or Dr. T.P. Moore X2381	KSC Clinic	15m/crewmember/ session	R+0 days at physical	
DSO #446--Leg Plethysmography-- Baseline Data	3	Dr. W.E. Thornton X3721 or Dr. T.P. Moore X2381	OPEN	15m/crewmember/ session--six sessions at crewmember's convenience	First week postflight	
DSO 453--Combined Blood Investi- gations--Baseline Data	2-4	Leach, Schneider, Landry, Cintron and Thornton	KSC Clinic	5m/crewmember at postflight physical	R+0	
DSO 453--Combined Blood Investi- gations--Baseline Data	2-4	Leach, Schneider, Landry, Cintron and Thornton	JSC Clinic	5m/crewmember at postflight physical (must be 8 hr fasting)	R+7	