

Lyndon B. Johnson Space Center
Houston, Texas
77058

MAY 13 1983

Reply to Attn of: LM-83-105

TO: Distribution

FROM: LM/Manager, Flight Requirements Office

SUBJECT: STS-6 DTO/DSO Postflight Reports

Refer to memorandum WA 83-L020 from Manager, Space Shuttle Program (copy attached) which established a general requirement that summary reports of DTO and DSO results be provided by sponsors.

Accordingly, it is requested that each sponsor identified on the attached listing submit a summary report to LM/A. A. Bishop, by June 9, 1983. Questions should be addressed to LM/W. B. Goeckler, ext. 4614.

A. A. Bishop

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Enclosure

cc:

ME3/S. Andrich

ME3/R. Ramsell

STS-6 Development Test Objectives

SPONSOR	DTO #	DTO TITLE
ES3/J. T. Taylor	0113	Elevon Position Observation
ET3/D. R. Cooke	0202	Entry Aerodynamic Test No. 2
ET3/D. R. Cooke	0209	Entry with Lateral Offset Test #1
MSFC/R. Fischer/ R. Bachtel	0219	ET and SRB Ascent Performance
ES3/D. M. Curry	0303	TPS Entry Heating Evaluation
FM4/R. E. McAdams MSFC/P. Dickerson	0304	LWT ET Impact Assessment
ES32/G. Stroughal	0312	ET TPS Performance
MSFC/N. Gilino	0313	SRB Recovery
EH23/K. Lindsay	0402	Follow On Vehicle PRCs Hot Fire Test
ET5/N. Jevan	0507	PLBD Installation and Rigging Verification
ET5/C. Campbell	0509	Orbiter Braking Test #2
SD4/W. Rippstein	0602	Cabin Atmosphere Verification
SD3/J. Homick	0604	Noise Level Survey
EC2/J. Jaax	0611	EMU/EVA Evaluation
EE8/J. Porter	0707	S-Band Antenna Performance
EE2/P. Coan	0721	Automatic Speech Recognition Test
EE8/S. Novosad	0723	Orbiter/Detached Payload Communications Test No. 3
EH23/K. Lindsay	0760	PRCS Plume Impingement Effects
EH23/K. Lindsay	0761	Orbiter Systems Vent Model Determination

EH23/K. Lindsay	0765	Payload Bay G-Level Measurements
EH6/I. Saulietis	0768	ICOS (Improved Crew Optical Sight) Evaluation
EH6/I. Saulietis	0770	AFT Station COAS Calibration
FM2/K. Young	0807	Rendezvous Maneuver and Ground Navigation Test

STS-6 Supplementary Objectives

SPONSOR	DSO #	DSO TITLE
SD3/J. Homick	0401	Validation of Predictive Tests and Countermeasures for Space Motion Sickness
SD/S. Pool	0402	Cardiovascular Deconditioning Countermeasure Assessment
CB/W. Thornton	0403	Head and Eye Motion Monitoring During Ascent and Entry
CB/W. Thornton	0404	On-Orbit Head and Eye Tracking Tasks
CB/W. Thornton	0407	Photographic Documentation of Body Fluid Shifts
SD2/J. Vanderploeg	0408	Near Vision Acuity
SD/D. Pierson	0409	Microbiology Screening Test
CB/W. Thornton	0410	Audiometry
LA3/F. Koons	0901	Documentary Television
LA3/F. Koons	0902	Documentary Motion Picture Photography
LA3/F. Koons	0903	Documentary Still Photography