

SHUTTLE SERIES CANEX PAYLOAD DOCUMENTS

Integration Attached Payloads Office. They consist of the case files for the Canadian Experiment Package which flew on STS 41-G in October 1984. This was a crew compartment payload consisting of the following experiments. A Space Technology experiment, VISET, the Space Vision System Experiment Development Tests, had as primary objectives the calibration of closed circuit TV and Canadian target system combinations as well as the collection of annotated video on target maneuvers. ACOMEX, Advanced Composite Material Exposure, was another space technology experiment. This one looked at the degradation of polymers in the orbiter environment and was similar to some experiments on the LDEF (Long Duration Exposure Facility). Space science experiments included OGLow, SPEAM and PHOTONS. OGLow, Orbital Glow and Atmospheric Emissions took spectral readings and measured the intensity of orbiter and earth's limb emissions. SPEAM was the Sun Photometer Earth Atmosphere Measurements and PHOTONS was the Photometric Thermospheric Oxygen Nightglow Study. A Life Sciences experiment, SASSE (Space Adaptation Syndrome Supplemental Experiments), expanded the available data on vestibulo-ocular reflex, awareness of object positions, proprioceptive illusions, limb sensory functions, and space motion sickness. Because this collection represents a good snapshot of payload management activities very little was done to change the organization of the documents. The collection has been maintained in its original file folders with keywords and date ranges noted. Original folder titles are in bold type on the inventory. The folders are filed chronologically by the latest date on the folder. Materials within the folders are filed chronologically from earliest to latest date with undated material at the end of the folder. Dates range from February 1984 through February 1986.

Inventory

SubHeading:	Box Number: 1	
	CANEX - Camera Testing, Notes	August 7, 1984
	CPI - ACOMEX, Advanced Composite Materials Exposure Experiment Proposal, Notes, Charts	March - August 1984
	CPI - SASSE, Space Adaptation Syndrome Supplemental Experiments Proposal, Requirements, Description & Correspondence	March - August 1984
	CPI Illustrations, CANEX Payload Engineering Drawings, Concept Drawings, General Arrangement Drawings	April 1983 - August 1984
	CANEX - PLAID Views, PLAID Computer Graphics Program Views for Planning VISET and ACOMEX Procedures, Includes Notes, Drawings, Correspondence, Charts & ERBS Deploy Checklist (JSC-19314)	May - August 1984
	CANEX Safety Rev 6/25-26/84, Principal Investigators Meeting Agenda, Notes, Correspondence, Ephemera	June - August 1984
	CANEX KSC Safety, Payload Safety Review Material	August 1984
	CANEX PAO CR 8/24/84, International Press Conference Change Request	August 1984
	CANEX - Wt & C.G. Info, Weight & Center of Gravity Test Preparation Sheet	September 19, 1984
	CPI - SPEAM, Measurement of Earth Atmospheric Constituents Using a Sun Photometer, Experiment Proposal, Requirements, Notes, Correspondence	March - September 1984
	CPI - Visit Clearances, CANEX - Canadian Personnel	May - September 1984
	CPI - PHOTONS, Photometric Thermospheric Oxygen Nightglow Study Experiment Proposal, Description, Requirements, Information	February & April 1984
	CPI - Form 100, Request for Flight	March - April 1984

Assignment Experimental Equipment for Canadian Payload Specialist	
CPI - Stowage, Modular Locker Layout Charts	March - May 1984
CPI - Proposals, Canadian Payload Specialists "October '84" Mission Proposal, Correspondence & Notes	April - May 1984
CPI - Meeting, Putting CPI on STS-17, Notes	May 9, 1984
CANEX - TV W.G. Recommendations, Television Working Group Memo "Revised STS 41-G (17) Inflight Television & Photo Recommendations"	June 14, 1984
CPI - VISET, Space Vision System Experiment Development Tests (VISET) Proposal, Charts, Correspondence	February - June 1984
CANEX Security Clearances, Badge Requests, Meeting Agenda	June 1984
CPI - ICD not baselined, CANEX ICD Interface Revision Notice	July 17, 1984
CANEX - FDF Procedures, Flight Data File Meeting Notes	July 26, 1984
CPI - Decals, CANEX/VISET Targets on ERBS Request/Status & Notes	July 1984
CPI - PIP, JSC-18456, Canadian Payload Investigation (CPI) Payload Integration Plan (PIP) Interface Control Document (ICD) Review	May - July 1984
SASSE Mtg., Experiment Description, Meeting Agenda, Notes & Agreements Reached Included	June - July 1984
CANEX Parts List, Locker Item List	July 1984
SubHeading:	Box Number: 2
CANEX Safety Rev 8/1/84, Minutes, Correspondence, Safety Packages, Safety Compliance Data, Meeting Agenda, Hazard Reports, Certificates of Compliance & Presentation Material	June - September 1984
CANEX OGLOW Side Hatch Camera Cover	August - September 1984
CANEX, VISET GFE Requirements, EGSE Experiment Ground Support Equipment	August - September 1984
CANEX Checklist, PCNs (page change notices)	September 1984
CANEX Fit Dir & Cont Mts 9-20-84, CANEX-1 Flight Director & Contractor Meeting Notes, Press Kit Included	September 1984
CANEX Mission Support Requirements	September 1984
CPI - P/L Spec. Info, Canadian Astronaut Program Press Kit including Biographical Information, Photos, English and French	May - October 1984
CANEX Annex 6, JSC-18456, Orbiter Crew Compartment Annex, Canadian Experiment, Basic, October 1984, with Related Material	August & October 1984
CANEX Photographs	August & October 1984
CANEX - Post Flight Questions, STS 41-G	September - October 1984
CANEX - Path Tape Info, SPEAM Trajectory & Altitude Data OGLOW	October 1984
CANEX - SPEAM Side Hatch Calibration OV-104	October 1984
CANEX - SPEAM Window Cal Notes &	June - November 1984

	OMRSD, STS Window Calibration Procedure, Notes, Correspondence, Printouts	
	CANEX 1027s, JSC Flight Equipment Acceptance	September & November 1984
	CPI - Materials Testing, Notes & Memos	May - December 1984
SubHeading:	Box Number: 3	
	CPI - OGLow, Measurement of Optical Emissions on and from the Shuttle Orbiter (OGLow) Proposal, Description, Charts, Newsletters	March 1984 - January 1985
	CPI - Notes, 41G CANEX	April 1984 - January 1985
	CANEX - Post Flight Briefing to HQS	February 1985
	CPI - Official Correspondence, CANEX	April 1984 - July 1985
	CANEX-1 Technical Reports, Canadian Aeronautics & Space Journal 31 #3, 41G Canadian Medical Experiment, OGLow, SPEAM, Sunphotometer Advanced Composite Materials	September 1985
	CANEX-1 Orbiter Window Calibration Numbers	November 1985 - February
	CANEX - SPEAM Post Flight Report	February 1986
	CANEX PIP Rev. Actions, Payload Integration Plan Revision, Action Notes	n.d.
	DSO 0303 (EOIM), Evaluation of Oxygen Interactions with Materials excerpted from JSC-16725 Rev C	n.d.