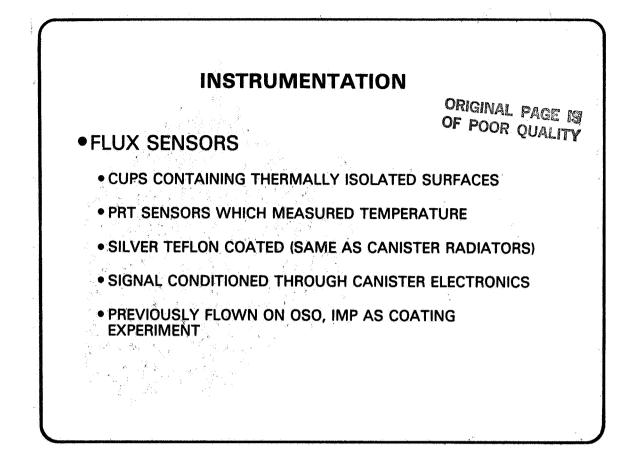
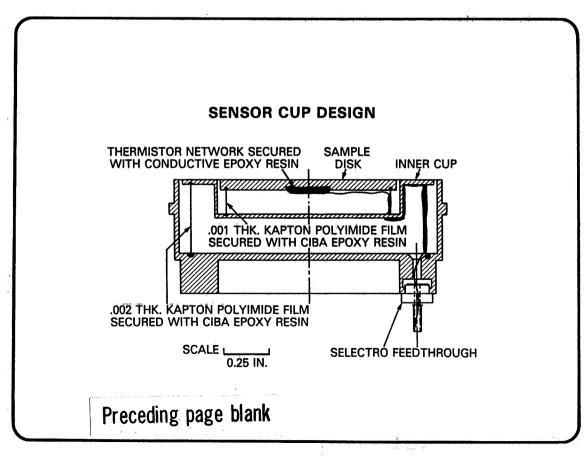
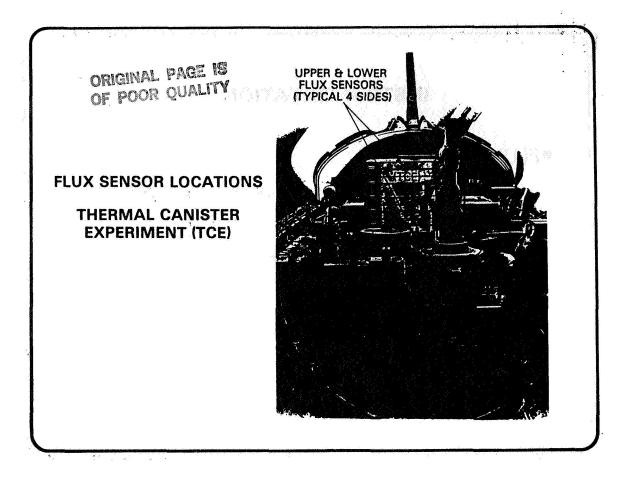
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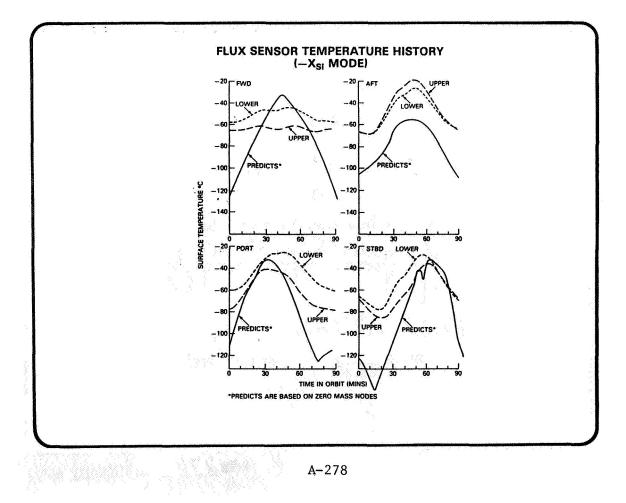
RESULTS OF THERMAL ENVIRONMENT MEASUREMENTS ON THE THERMAL CANNISTER EXPERIMENT AND GET AWAY SPECIAL ENCLOSURE

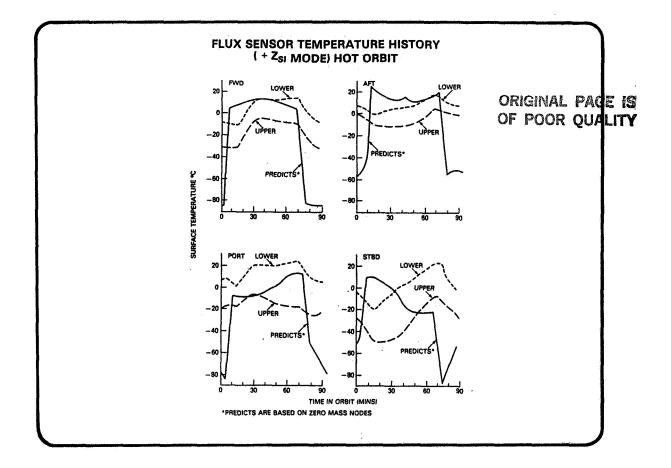
> S. Ollendorf and D. Butler Goddard Space Flight Center

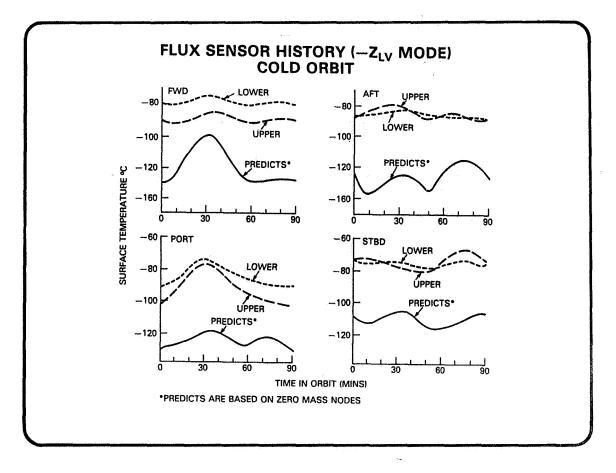


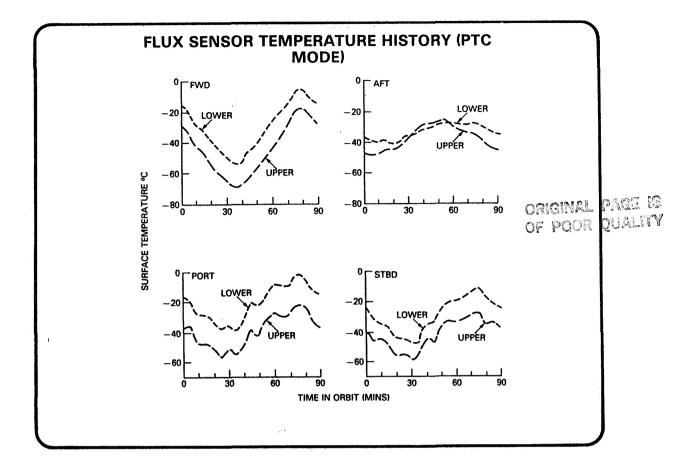








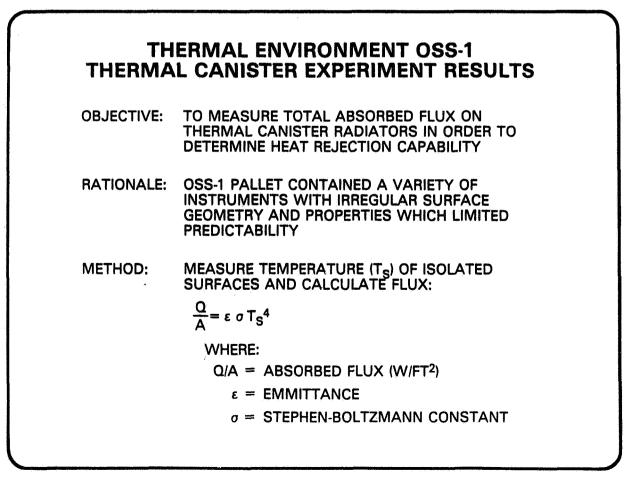


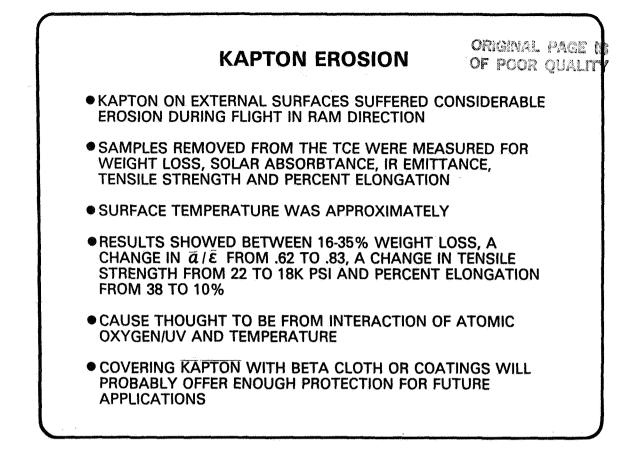


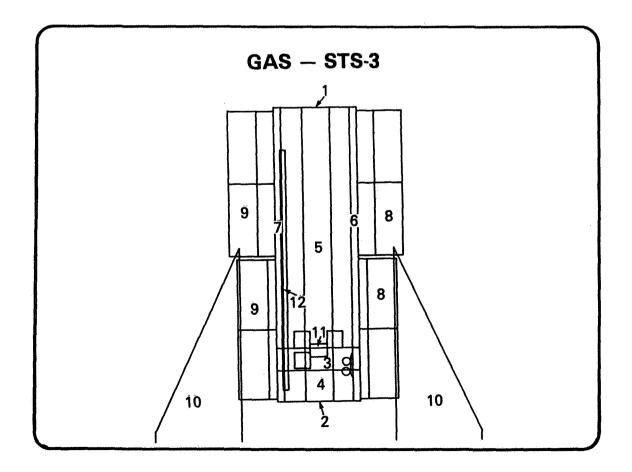
		0.1.0.		7 'Noo 9 11/1.'	GE FLU	, ALO		
····			∓x _{si}		PTC		+Z _{SI}	
	MEASURED	PREDICT	MEASURED	PREDICT	MEASURED	PREDICT	MEASURED	PREDIC
	W/ft ²							
FWDL	5.8	1.9	9.9	6.1	16.8	7.1	24.1	18.4
FWDU	4.6		7.8		11.7		17.9	
PORTL	5.4	1.9	11.9	4.3	17.3	8.8	27.7.	17.5
PORTU	4.7		8.8		12.5		17.9	
AFTL	4.8	1.7	10.7	6.6	13.4	6.6	25.1	22.3
AFTU	4.9		11.3		12.5		21.4	
STBDL	6.1	2.8	9.8	6.6	15.7	8.3	24.8	16.1
STBDU	6.2		9.3		12.5		15.7	

APPROXIMATE MLI TEMPERATURES FOR THE FOLLOWING ORBITAL CASES:

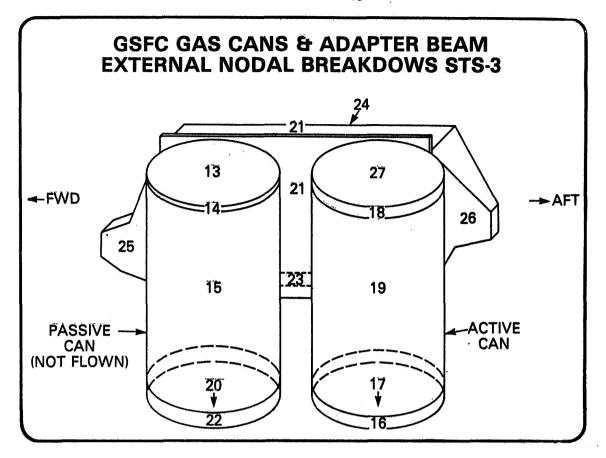
ORBITER ATTITUDE	FLIGHT DATA	PREDICTIONS		
 TAIL TO SUN PALLET UPPER PLATFORM LOWER PLATFORM 	—80°C (MINIMUM) —60°C (MINIMUM) —48°C (MINIMUM)	112 118 112	original page is of pocr quality	Ĩ
 NOSE TO SUN PALLET UPPER PLATFORM LOWER 	—15/—48ºC (MAX/MIN) —50/—60ºC (MAX/MIN) —48ºC (MINIMUM)			
BAY TO SUN PALLET UPPER PLATFORM LOWER PLATFORM	100°C/—10°C (MAX/MIN) +75/+10°C (MAX/MIN) +80/+30°C (MAX/MIN)	107/65 103/63 117/75		

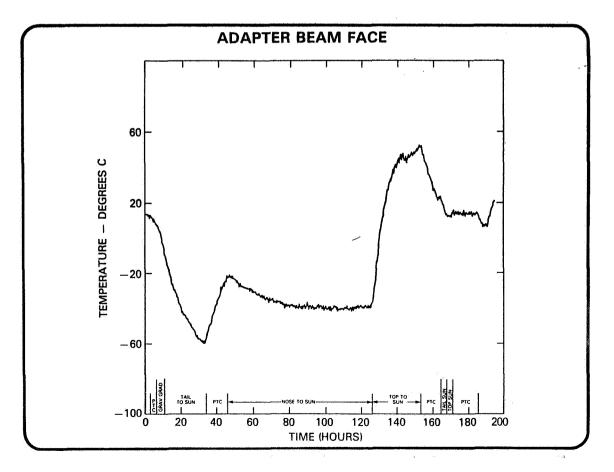


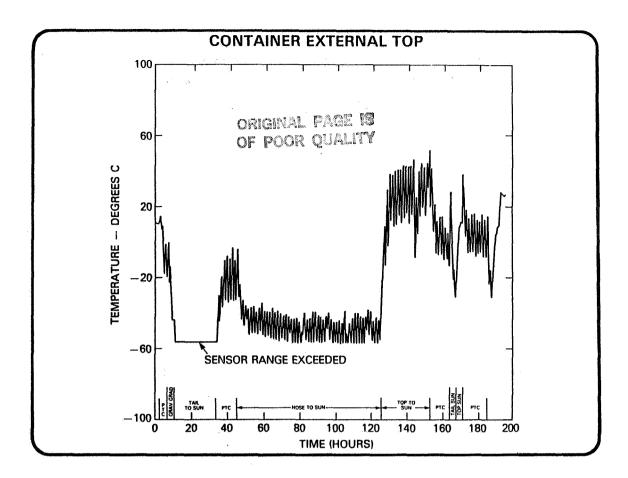


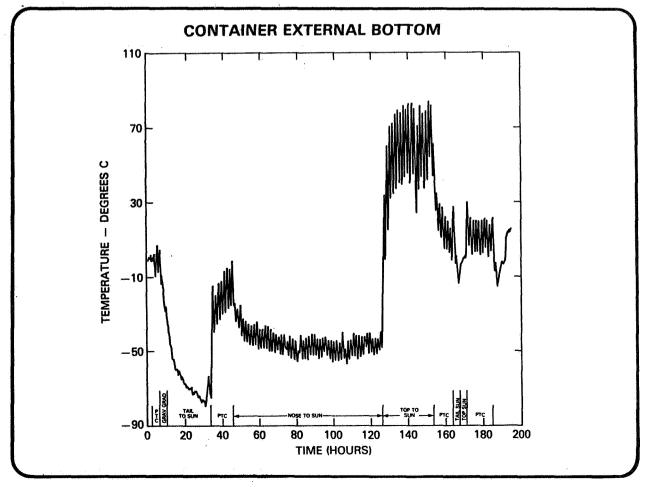


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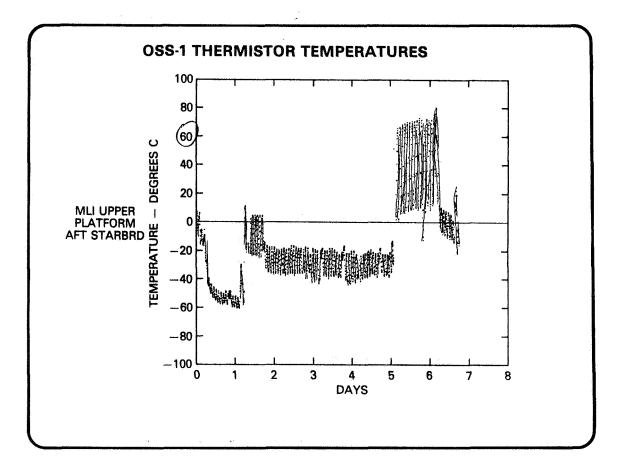


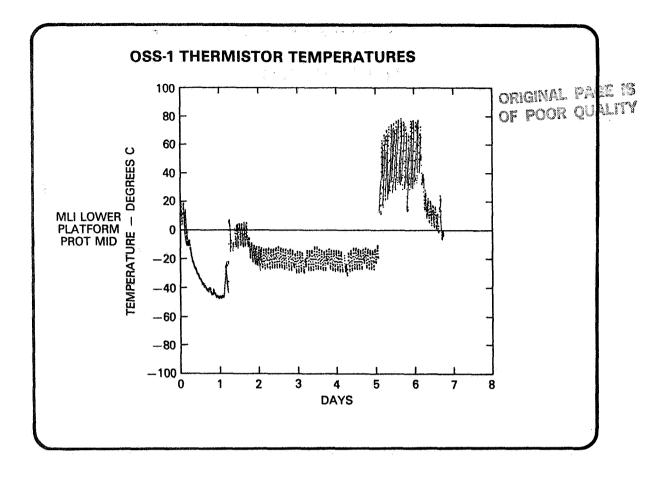


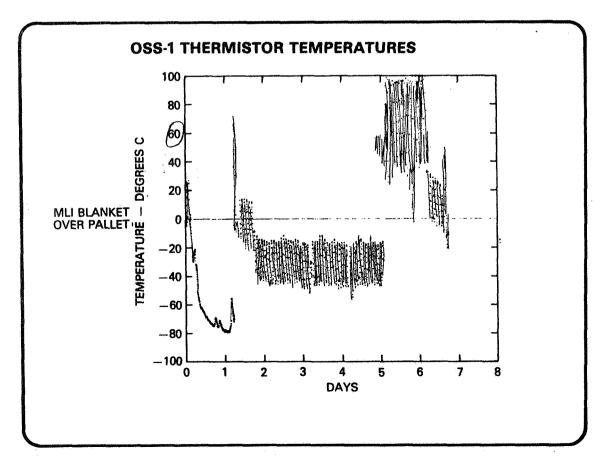
GAS THERMAL RESULTS

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ADAPTER BEAM (HOT-BAY TO SUN)	PREDICTIONS $+ 37^{\circ}C + 46^{\circ}C$ (a = .32) (a = .36)	<u>FLIGHT</u> + 45 TO + 50°C
ADAPTER BEAM (COLD-NOSE TO SUN)	78⁰C	-40°C
BOTTOM COVER (HOT-BAY TO SUN)	+ 63°C	+ 60 TO + 65℃
BOTTOM COVER (COLD-NOSE TO SUN)	76⁰C	-45 TO -50℃
TOP COVER (HOT-BAY TO SUN) (BRACKET)	+ 31⁰C	∔ 25 TO + 35℃
TOP COVER (COLD-NOSE TO SUN) (BRACKET)	-73⁰C	-47 TO -51℃







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