

SHUTTLE SERIES SPACELAB DESIGN REVIEWS

This collection contains 2 linear feet of Spacelab Thermal Control Subsystem (TCS) Co-Contractor Preliminary Design Reviews (CPDRs) including the Kickoff Meeting Presentation and Vol. I-VII dated 2/10/76-3/1/76 arranged in ascending order by volume number. No volumes are missing. The collection also includes 3-1/2 linear feet of Spacelab Thermal Control Subsystem Cocontractor Critical Design Reviews (CCDRs) including Vol. I Bk. I-Vol. XII Bk. II arranged in ascending order by volume and book number. Vol. XII Bk. I is missing. Each volume is undated on the cover but carries various dates on the documents inside the volume, the latest of which is 7/25/77. The collection also includes 8-1/2 linear feet of Spacelab Environmental Control/Life Support (ECLS) Co-Contractor Critical Design Reviews including Vol. 2 Bk. 1/12-Vol. 9 Bk. 8/10 with a latest date of 9/77 and arranged in ascending order by volume, book, and annex number. Vol. 1 is missing and others may be too. "NG" is written on the covers of many volumes and handwritten comments on the value of a volume is written on a few volumes. The Preliminary Design Review (PDR) was intended to provide a technical review of the basic design of the complete Spacelab system and resulting authorization to the prime contractor to design and manufacture the engineering model in accordance with the reviewed baseline. To prepare for the PDR, the European Space Agency (ESA) decided to conduct incremental reviews for each subsystem. Since the responsibilities for each subsystem resided with co-contractors of the prime contractor, Entwicklungs Ring Nord Organization (ERNO), the reviews were called CPDRs. They were initiated in the fall of 1975. It became apparent that it would be difficult to complete the reviews and revise the documentation in time for the overall system PDR in May of 1976. Thus the PDR was broken into 2 parts, PDR-A (a system overview) which began in June 1976 and PDR-B (the formal systems review) which began in November 1976. In 1977 ESA and ERNO scheduled a formidable series of CCDRs to assure that each subsystem was reviewed and that supporting documentation would be forthcoming for the Critical Design Review (CDR). In September reviews were held on the TCS and in November reviews had been conducted on the ECLS. The CDR itself began in January of 1978. Spacelab-1 flew on the STS-9 flight on 11/28/83. This collection does not contain documentation from either the PDR or the CDR.

Inventory

SubHeading:	Box Number: 01	
	Aeritalia Spacelab TCS CPDR Kick-Off Meeting Presentation, Bremen	Feb. 10, 1976
	Spacelab Thermal Control CPDR, Analysis Passive System, Vol. I-A1, Torino	Mar. 1, 1976
	Spacelab Thermal Control CPDR, Analysis Passive System, Vol. I-A2, Torino	Mar. 1, 1976
	Spacelab Thermal Control CPDR, Analysis Active System, Vol. I-B1, Torino	Mar. 1, 1976
SubHeading:	Box Number: 02	
	Spacelab Thermal Control CPDR, Analysis Active System, Vol. I-B2, Torino	Mar. 1, 1976
	Spacelab Thermal Control CPDR, Design, Vol. I-C, Torino	Mar. 1, 19
	Spacelab Thermal Control CPDR, Specifications, Vol. II/A, Torino	Mar. 1, 1976
SubHeading:	Box Number: 03	
	Spacelab Thermal Control CPDR, Specifications, Vol. II/B, Torino	Mar. 1, 1976
	Spacelab Thermal Control CPDR, Specifications, Vol. II/C, Aeritalia	Mar. 1, 1976
	Spacelab Thermal Control CPDR, Verification, Vol. III, Torino	Mar. 1, 1976
SubHeading:	Box Number: 04	
	Spacelab Thermal Control CPDR, Manufacturing, Vol. IV, Torino	Mar. 1, 1976
	Spacelab Thermal Control CPDR, Product Assurance, Vol. V, Torino	Mar. 1, 1976
	Spacelab Thermal Control CPDR,	Mar. 1, 1976

	Operability, Vol. VI, Torino	
	Spacelab Thermal Control CPDR, Plans, Vol. VII, Torino	Mar. 1, 1976
SubHeading:	Box Number: 05	
	Spacelab TCS CCCR Vol. I	L.D. Jul. 1977
	Spacelab TCS CCCR Vol. II	L.D. Jul. 1977
	Spacelab TCS CCCR Vol. III	L.D. Jul. 1977
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	Spacelab TCS CCCR Vol. IV Bk. I	L.D. Jul. 1977
	Spacelab TCS CCCR Vol. IV Bk. II	L.D. Jul. 1977
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	Spacelab TCS CCCR Vol. IV Bk. III	L.D. Jul. 1977
	Spacelab TCS CCCR Vol. IV Bk. IV	L.D. Jul. 1977
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	Spacelab TCS CCCR Vol. V Bk. I	L.D. Jul. 1977
	Spacelab TCS CCCR Vol. V Bk. II	L.D. Jul. 1977
SubHeading:	Box Number: 09	
	Spacelab TCS CCCR Vol. V Bk. III	L.D. Jul. 1977
	Spacelab TCS CCCR Vol. V Bk. IV	L.D. Jul. 1977
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	Spacelab TCS CCCR Vol. VI	L.D. Jul. 1977
	Spacelab TCS CCCR Vol. VII	L.D. Jul. 1977
	Spacelab TCS CCCR Vol. VIII	L.D. Jul. 1977
	Spacelab TCS CCCR Vol. IX	L.D. Jul. 1977
	Spacelab TCS CCCR Vol. X	L.D. Jul. 1977
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	Spacelab TCS CCCR Vol. XI	L.D. Jul. 1977
	Spacelab TCS CCCR Vol. XII Bk. II_b	D. Jul. 1977
SubHeading:	Box Number: 12	
	Spacelab ECLS CCCR Vol. 2 Bk. 1/12	L.D. Sep. 1977
	Spacelab ECLS CCCR Vol. 2 Bk. 2 EQ-DS 1001, 1003	L.D. Aug. 1977
	Spacelab ECLS CCCR Vol. 2 Bk. 2 EQ-DS 1004, 1005	L.D. Sep. 1977
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	Spacelab ECLS CCCR Vol. 2 Bk. 2 EQ-DS 1006, 1009, 1011	L.D. Sep. 1977
	Spacelab ECLS CCCR Vol. 2 Bk. 2 EQ-DS 1012-1016, 1064	L.D. Aug. 1977
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	Spacelab ECLS CCCR Vol. 2 Bk. 5 ANNEX CIDL DM	L.D. Sep. 1977
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	Spacelab ECLS CCCR Vol. 3 Bk. 10	L.D. Aug. 1977
	Spacelab ECLS CCCR Vol. 3 Bk. 11	L.D. Sep. 1977
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	Spacelab ECLS CCCR Vol. 4 Bk. 1	L.D. Sep. 1977
	Spacelab ECLS CCCR Vol. 4 Bk. 2	L.D. Sep. 1977

SubHeading:	Box Number: 17	
	Spacelab ECLS CCDR Vol. 5 Bk. 1 Index No. 5(1)	L.D. Jan. 1977
	Spacelab ECLS CCDR Vol. 5 Bk. 1 Index No. 6/7/9(1)2	L.D. Apr. 1977
SubHeading:	Box Number: 18	
	Spacelab ECLS CCDR Vol. 5 Bk. 1 Index No. 9(3)/9(4)/9(6)/9(7)/10/11	L.D. May 1977
	Spacelab ECLS CCDR Vol. 5 Bk. 1 Index No. 22/24	L.D. Jul. 1977
SubHeading:	Box Number: 19	
	Spacelab ECLS CCDR Vol. 5 Bk. 1 Index No. 26/27	L.D. Aug. 1977
	Spacelab ECLS CCDR Vol. 5 Bk. 1 Index No. 28/30 to 33	L.D. Mar. 1977
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	Spacelab ECLS CCDR Vol. 5 Bk. 1 Index No. Annex No. 34 to 39(1/2)/42/43	L.D. May 1977
	Spacelab ECLS CCDR Vol. 5 Bk. 1 Index No. 44/45/48	L.D. Jun. 1977
SubHeading:	Box Number: 21	
	Spacelab ECLS CCDR Vol. 5 Bk. 1 Index No. 46/47/56 to 58/60(1/2)/61/63	L.D. May 1977
	Spacelab ECLS CCDR Vol. 5 Bk. 1 Index No. 59(1)(2)62	L.D. Jun. 1977
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	Spacelab ECLS CCDR Vol. 5 Bk. 1 Index No. 64 to 66	L.D. May 1977
	Spacelab ECLS CCDR Vol. 5 Bk. 1 Index No. 73	L.D. May 1977
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	Spacelab ECLS CCDR Vol. 5 Bk. 1/Annex Index No. 9(5)/15	L.D. Mar. 1977
	Spacelab ECLS CCDR Vol. 5 Bk. 1 Annex Index No. 14/16/17/20(1/2)	L.D. Mar. 1977
SubHeading:	Box Number: 24	
	Spacelab ECLS CCDR Vol. 5 Bk. 1 Annex Index No. 18/19/21/25	L.D. Apr. 1977
	Spacelab ECLS CCDR Vol. 5 Bk. 1 Annex Index No. 67 to 72/74 to 78	L.D. Jun. 1977
SubHeading:	Box Number: 25	
	Spacelab ECLS CCDR Vol. 5 Bk. 1/2	L.D. Sept. 1977
	Spacelab ECLS CCDR Vol. 5 Bk. 3-4	L.D. Sept. 1977
	Spacelab ECLS CCDR Vol. 6 Bk. 1/4	L.D. Sept. 1977
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	Spacelab ECLS CCDR Vol. 6 Bk. 5/7	L.D. Sept. 1977
	Spacelab ECLS CCDR Vol. 6 Bk. 8/14	L.D. Sept. 1977
	Spacelab ECLS CCDR Vol. 7 Bk. 1/2	L.D. Sept. 1977
SubHeading:	Box Number: 27	
	Spacelab ECLS CCDR Vol. 8 Bk. 1-3	L.D. Sept. 1977
	Spacelab ECLS CCDR Vol. 9 Bk. 1	L.D. Aug. 1977
	Spacelab ECLS CCDR Vol. 9 Bk. 2/5	L.D. Aug. 1977
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	Spacelab ECLS CCDR Vol. 9 Bk. 6	L.D. Aug. 1977
	Spacelab ECLS CCDR Vol. 9 Bk. 7	L.D. Aug. 1977
	Spacelab ECLS CCDR Vol. 9 Bk. 8/10	L.D. Sept. 1977

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