

PIONEER PROJECT											
FILE #	DRAWER #	ITEM	UFI #	SOURCE	REF #	REV.	DATE	KEY	SUBJECT	FROM	TO
23	1								GE / PIONEER VENUS		
23	1			GE/RESD			13-Mar-75	PROBES	PV MASS PROPERTIES REPORT FOR LARGE & SMALL PROBES		
23	1			GE/RESD			28-Oct-74	THERMODYNAMICS	PV THERMODYNAMICS ANALYSIS FOR PV (CDR)		
23	1			GE/RESD			10-Jan-75	SML PROBE	PV EFFECT OF YO-YO DESPIN ON SMALL PROBE DYNAMICS		
23	1			GE/RESD			17-Oct-74	ATTACK FLOW FIELD	ZERO ANGLE OF ATTACK FLOW FIELD ANALYSIS FOR PV		
23	1			GE/RESD			7-Mar-75	SEPARARTIN SUBSYS	PV - SEPARATION SUBSYSTEM		
23	1			GE/RESD			16-Jan-75	DOF CHARACTERISTICS	INTERIM PV 6 DOF CHARACTERISTICS		
23	1			GE/RESD			13-Mar-75	THERMODYNAMICS	PV THERMODYNAMICS ANALYSIS SUBSYSTEMS - DESIGN REVIEW		
23	1			GE/RESD			25-Nov-74	SMALL PROBE	PV SMALL PROBE ROLL DAMPING & STABILITY IN SUBSONIC ENVIRONMENT - PHASE II - PRE TEST REPORT		
23	1			GE/RESD			13-Mar-75	PARACHUTE SYS	PV PARACHUTE SYSTEMS DESCRIPTION - UPDATE		
23	1			GE/RESD			12-Dec-74	PROBES	SMALL & LARGE PROBES-TRIM ANGLES OF ATTACK/EFFECTS OF WINDS		
23	1			GE/RESD			6-Mar-75	AFT THERMAL COVER	PV LATCH MECHANISM - AFT THERMAL COVER		
23	1			GE/RESD			8-Oct-74	SMALLL PROBE	SMALL PROBE SPIN CONTROL CONSIDERATIONS		
23	1			GE/RESD			8-Mar-75	SMALL PROBE-SUPPORT RING	PV SMALL PROBE INTERFACE LOADS & CRITICAL LOADING ON SUPPORT RING STRUCTURE		
23	1			GE/RESD			17-Oct-74	RGS	RGS AERODYNAMIC COEFFICIENTS		
23	1			GE/RESD			20-Jan-75	RUBBER BONDED PRODUCTS	CHOPPED, MOLDED CARBON PHENOLIC & SILICON RUBBER BOND MATERIALS PROPERTIES - PRE TEST REPORT		
23	1			GE/RESD			3-Jan-75	CARBON PHENOLIC PRODUCT	RESULTS OF CHOPPED MOLDED CARBON PHENOLIC PRODUCT IMPROVEMENT PROGRAM		
23	1			GE/RESD			5-Mar-75	LARGE PROBE-PEDESTAL	PV - LARGE PROBE PEDESTAL LOADS		
23	1			GE/RESD			10-Feb-75	HEAT SHIELD MATL	PV - ABLATION TESTS FOR PV HEAT SHIELD MATERIALS - TEST PLAN		
23	1			GE/RESD				PROBE MATERIAL TESTING	ABLATION TESTING OF PV PROBE MATERIALS IN HYPERHERMAL ARC FACILITY (TUNNEL, FREE JET AND CHANNEL FLOW WITH/CARBON DIOXIDE/AIR)		
23	1			GE/RESD			11-Feb-75	STRUCTURAL STABILITY	STRUCTURAL STABILITY ANALYSIS OF PV ENTRY VEHICLES		
23	1			GE/RESD			21-Oct-74	LANGLEY RESULTS	LANGLEY SPIN TUNNEL DYNAMICS RESULTS - PV		
23	1			GE/RESD			14-Feb-75	SMALL PROBE	PV VENTING: SMALL PROBE IN VENUSIAN ENTRY & BOTH LARGE & SMALL PROBES DURING EARTH ASCENT PHASE		
23	1			GE/RESD			13-Mar-75	LARGE PROBE	PV - LARGE PROBE PILOT PARACHUTE DEPLOYMENT ANALYSIS		
23	1			GE/RESD				HEAT SHIELD/PROBES	ABLATION TESTING OF HEAT SHIELD FOR PV PROBES AT MARTIN MARIETTA TEST FACILITY (STAGNATION & COMBINED RADIANT/CONVECTIVE HEATING TESTS WITH CARBON DIOXIDE) PRE TEST REPORT		
23	1			GE/RESD			28-Feb-75	AERODYNAMIC/PROBES	DETERMINATION OF STATIC, DYNAMIC & ROLL AERODYNAMIC CHARACTERISTICS OF PV PROBES IN NASA/LANGLEY 8' TRANSONIC PRESSURE TUNNEL - PRE TEST REPORT		
23	1			GE/RESD				HEAT SHIELD/PROBES	ABLATION OF HEAT SHIELD MATERIALS FOR PV PROBES IN ARC TEST FACILITIES - PRE TEST REPORT		
23	1			GE/RESD	TTM9731-74-001		Oct-74	PYRO MATL TESTING	PV PYRO - PHASE ONE MATERIAL TESTING - FINAL REPORT		
23	1			GE/RESD			24-Feb-75	DYNAMICS/SMALL PROBE	PV ROLL DUMPING EFFECT ON SMALL PROBE DYNAMICS		
23	1			GE/RESD			15-Oct-74	TRAJ-PROBES	PV ENTRY TRAJECTORIES FOR SMALL AND LARGE PROBES		
23	1			GE/RESD				LG PRB SEPARATION	VENUS - LARGE PROBE SEPARATION		
23	1			GE/RESD			29-Oct-74	SML PRB-DYNAMICS	SMALL PROBE DYNAMICS		
23	1			GE/RESD			28-Feb-75	LG PROBE-COLD SOAK	PV - LARGE PROBE COLD SOAK ANALYSIS (160 DEGREES F - 120 DEGREES F)		
23	1			GE/RESD			1-Nov-74	LG PRB DYNAMICS	LARGE PROBE DYNAMICS		
23	2								PIONEER VENUS - MONTHLY PROGRESS REPORTS & MISC.		
23	2			HAC			Jun-74	PV-PHASE I PROGRESS RPT	PIONEER VENUS MONTHLY PROGRESS REPORT #1 - PHASE I		
23	2			HAC			Jul-74	PV-PHASE I PROGRESS RPT	PIONEER VENUS MONTHLY PROGRESS REPORT #2 - PHASE I		
23	2			HAC			Aug-74	PV-PHASE I PROGRESS RPT	PIONEER VENUS MONTHLY PROGRESS REPORT #3 - PHASE I		
23	2			HAC			Aug-74	PV-PHASE I PROGRESS RPT	PIONEER VENUS MONTHLY PROGRESS REPORT #4 - PHASE I		
23	2			HAC			Sep-74	PV-PHASE I PROGRESS RPT	PIONEER VENUS MONTHLY PROGRESS REPORT #5 - PHASE I		
23	2			HAC			Oct-74	PV-PHASE I PROGRESS RPT	PIONEER VENUS MONTHLY PROGRESS REPORT #6 - PHASE I		
23	2			HAC			Dec-74	PV-PHASE II PROGRESS RPT	PIONEER VENUS MONTHLY PROGRESS REPORT #8 - PHASE II		
23	2			HAC			Jan-75	PV-PHASE II PROGRESS RPT	PIONEER VENUS MONTHLY PROGRESS REPORT #9 - PHASE II		
23	2			HAC			Feb-75	PV-PHASE II PROGRESS RPT	PIONEER VENUS MONTHLY PROGRESS REPORT #10 - PHASE II		
23	2			HAC			Mar-75	PV-PHASE II PROGRESS RPT	PIONEER VENUS MONTHLY PROGRESS REPORT #11 - PHASE II		
23	2			HAC			Apr-75	PV-PHASE II PROGRESS RPT	PIONEER VENUS MONTHLY PROGRESS REPORT #12 - PHASE II		
23	2			HAC			May-75	PV-PHASE II PROGRESS RPT	PIONEER VENUS MONTHLY PROGRESS REPORT #13 - PHASE II		
23	2			HAC			Jun-75	PV-PHASE II PROGRESS RPT	PIONEER VENUS MONTHLY PROGRESS REPORT #14 - PHASE II		

23	2		HAC		Jul-75	PV-PHASE II PROGRESS RPT	PIONEER VENUS MONTHLY PROGRESS REPORT #15 - PHASE II		
23	2		HAC		Aug-75	PV-PHASE II PROGRESS RPT	PIONEER VENUS MONTHLY PROGRESS REPORT #16 - PHASE II		
23	2		HAC		Sep-75	PV-PHASE II PROGRESS RPT	PIONEER VENUS MONTHLY PROGRESS REPORT #17 - PHASE II		
23	2		HAC		Oct-75	PV-PHASE II PROGRESS RPT	PIONEER VENUS MONTHLY PROGRESS REPORT #18 - PHASE II		
23	2		HAC		Nov-75	PV-PHASE II PROGRESS RPT	PIONEER VENUS MONTHLY PROGRESS REPORT #19 - PHASE II		
23	2		HAC		Dec-75	PV-PHASE II PROGRESS RPT	PIONEER VENUS MONTHLY PROGRESS REPORT #20 - PHASE II		
23	2		HAC	HSS07/5924	3-Jan-77	LRV TABLES	PV LRV TABLES		
23	2		HAC	HS507/2583	8-Apr-75	COMMUNICATION SUBSYS	PV RELIABILITY ANALYSES MULTIPROBE BUS SPACECRAFT & ORBITER SPACECRAFT COMMUNICATIONS SUBSYS CDR 1.9		
23	2		HAC	HS507/2580	7-Apr-75	COMMUNICATION SUBSYS	PV COMMUNICATIONS SUBSYSTEM FMEAs		
23	2		HAC	HS507/6271	1-May-77	ORB HAZARDOUS SYS DOC	PVO HAZARDOUS SYSTEM DOCUMENT		
23	2		HAC	SS31639-011	18-Sep-75	COMMUNICATION SUBSYS	PV BUS/ORBITER COMMUNICATIONS SUBSYSTEM		
23	2		HAC		24-29APR78		PV MULTIPROBE PRESHIP REVIEW		
23	2		NASA/ARC		Apr-81	PV EXTENDED MISSION	PIONEER VENUS EXTENDED MISSION II - REVISED		
23	2		NASA/ARC		15-Jan-72	PV PROJECT PLAN	PIONEER VENUS PROJECT PLAN - SYSTEM DESIGN & EXECUTION PHASE		
23	2		NASA/ARC		15-Feb-72	PV PROJECT PLAN	PIONEER VENUS PROJECT PLAN - SYSTEM DESIGN & EXECUTION PHASE		
23	2		NASA/ARC		Jul-73	PV PROJECT PLAN	PIONEER VENUS PROJECT PLAN - SYSTEM DESIGN & EXECUTION PHASE		
23	2		NASA/ARC		11-12JUL75	SSG	SPACE SCIENCE GROUP 6TH MEETING , NASA/ARC, CA		
23	2		HAC	PC-464	2-Sep-75	PV PROGRAM CHANGE	PIONEER VENUS PROGRAM CHANGE PROPOSAL #4		
23	2		FEI			STABLE OSCILLATOR	PIONEER VENUS STABLE OSCILLATOR (OCXO) MODEL FE-2123A - DESIGN REVIEW		
23	2		HAC	HS507-0082-1247	22-Mar-76	PSOBES SUBSYSTEM	PROBES SUBSYSTEM DESIGN REVIEW ACTION ITEMS CLOSEOUT DOCUMENT		
23	2			PV101A	6-Aug-76	S/ EQUIPMENT LIST	PIONEER VENUS SPACECRAFT EQUIPMENT LIST		
23	2		NASA/ARC	PC1001	20-May-81	PN 10/11-PV EXTENDED MISSION	PIONEER 10/11 - PVO EXTENDED MISSIONS PLAN - REVISION		
23	2		NASA/ARC	PC1001	30-Nov-82	PN 10/11-PV EXTENDED MISSION	PIONEER 10/11 - PVO EXTENDED MISSIONS PLAN		
23	2		NASA/ARC			FILE GUIDES-PV	PIONEER VENUS - FILE GUIDES		
23	2		NASA/ARC		Sep-83	SUPPORT INSTRUMENTATION	PIONEER 10/11 & PVO SUPPORT INSTRUMENTATION REQUIREMENTS DOCUMENT (SIRD)		
23	2		HAC		Aug-72	PRESSURE VESSEL	PRESSURE VESSEL MODULE THERMAL CONTROL (DESCENT)		
23	2				9-Dec-74	S/C CDR	PIONEER VENUS SPACECRAFT CDR		
23	2		TRW	20406.6003-RO-00	13-Aug-71	TO JUPITER-FOLLOW-ON	FOLLOW-ON PIONEER MISSIONS TO JUPITER - VOL 1 - EXECUTIVE SUMMARY		
23	2		TRW	20406.6004-RO-00	13-Aug-71	TO JUPITER-FOLLOW-ON	FOLLOW-ON PIONEER MISSIONS TO JUPITER - VOL 2 - TECHNICAL		
23	2		TRW	20406.6005-RO-00	13-Aug-71	TO JUPITER FOLLOW-ON	FOLLOW-ON PIONEER MISSIONS TO JUPITER - VOL 3 - APPENDIXES		
23	2				1-Jul-77	INTERFEROMETRY EXPERIMENT	PIONEER VENUS PROJECT DIFFERENCED LONG-BASELINE INTERFEROMETRY EXPERIMENT - DESIGN REVIEW DOCUMENT		
23	2		HAC	HS507-0082-375	21-Mar-75	DECEL MODULE	DECELERATION MODULE SUBSYSTEM DESIGN REVIEW PACKAGE		
23	2		HAC	HS507-0082-1986	25-Jan-77	HARNESS-PROBES	PROBE INTERNAL HARNESS AND PROBES EXTERNAL HARNESS		
23	2				Aug-78	DECEL MODULE	DECELERATION MODULE - FINAL REPORT		
23	2		NASA/ARC		15-May-75	EVAL-CONTRACTORS	EVALUATION OF CONTRACTORS PERFORMANCE BY PERFORMANCE EVALUATION BOARD FOR 1DEC74-30APR75		
23	2		HAC	SS31639-901	24-Jan-78	TELEMETRY-MLTPRB	PV MULTIPROBE TELEMETRY DATA CONVERSION HANDBOOK		
23	3						PIONEER VENUS - ASSORTED DATA		
23	3		NASA/ARC		1978	HQ CORRESPONDENCE	HEADQUARTERS CORRESPONDENCE		
23	3		NASA/ARC		1977	HQ CORRESPONDENCE	HEADQUARTERS CORRESPONDENCE		
23	3		NASA/ARC		1979	HQ CORRESPONDENCE	HEADQUARTERS CORRESPONDENCE		
23	3		NASA/ARC		1977	SSC	NATL SPACE SCIENCE CENTER DATA CENTER		
23	3		NASA/ARC		1978	SSC	NATL SPACE SCIENCE CENTER DATA CENTER		
23	3		NASA/ARC		1974-1976	QUARTERLY RVIEW-CORRESPONDENCE	PV - QUARTERLY REVIEWS - CORRESPONDENCE		
23	3		NASA/ARC		1977	QUARTERLY RVIEW-CORRESPONDENCE	PV - QUARTERLY REVIEWS - CORRESPONDENCE		
23	3		NASA/ARC		1976-1977	LOA 3332-GSFC	PV-3332 - GSFC LOA		
23	3		U/CO		1974-1975	OUVS	PV - BUS ULTAVIOLET SPEC		
23	3		U/MN		1975-1979	BNMS	PV - BUS NEUTRAL MASS SPECTROMETER		
23	3		U/BONN	3392	1977-1979	B NMS	PV - BUS NEUTRAL MASS SPECTROMETER		
23	3		NASA/ARC	3412	1977-1978	ASI	PV - ATMOSPHERIC STRUCTURE INSTRUMENT		
23	3		NASA/ARC	3414	1977-1978	LGC	PV - LARGE PROBE GAS CHROMATOGRAPH		
23	3		NASA/ARC	3416	1977-1978	LIR	PV -LARGE PROBE INFARED RADIOMETER		

23	3		NASA/ARC	3418	1977-1978	NEPHELOMETER	PV - LARGE PROBE NEPHELOMETER		
23	3		U/TX-DALLAS	3451	1977	LMS	PV - LARGE PROBE MASS SPECTROMETER		
23	3		U/MICH	NAS2-7877	1973-1974	ELEC TEMP PRB	PV - ELECTRON TEMP PROBE CONTRACT & MOD.		
23	4						PIONEER VENUS LARGE & SMALL PROBE COMM SYS DOCS		
23	4		HAC/MOTOROLA			TRANSPONDER/PRB EXCITER	PV - TRANSPONDER / PROBE EXCITER - REVIEWS, ANALYSIS, MATERIALS, LIST ETC.		
23	4		HAC/NASA/ARC		1976	ANTENNA - PROBE	PV - PROBE ANTENNAE		
23	4		MOTOROLA			DWGS, ASSORTED PV	PV - DRAWINGS, ASSORTED		
23	4		HAC		1977	RF SUBCARRIER TM LOCK-UP	PV - MULTIPROBE RF DUAL SUBCARRIER TM LOCKUP PROBLEM		
23	4		JPL/NASA/ARC		1975	FREQUENCY ALLOCATIONS	PV - FREQUENCY ALLOCATIONS -& DSN		
23	4		DEPT OF NAVY		1975	CENTRAL PARTS CONTROL	PV - CENTRAL PARTS CONTROL PROGRAM PROPOSAL, VOL I & MISC CORRESPONDENCE		
23	4		NASA/ARC		1976-1977	GSE CASES	PV - GSE CASES (ECS) - NAS2-9145		
23	4		JPL/NASA/ARC		1977-1978	REVERSE PLAYBACK	PV - REVERSE PLAYBACK CORRESPONDENCE		
23	5						B JACKSON - PV ORB & MULTIPROBE JOURNALS		
23	5		NASA/ARC		JUL77-MAY78	B JACKSON-JOURNAL	B. JACKSON - JOURNAL & PAPERS - PV ORB & MULTIPROBE		
23	5		NASA/ARC		MAY78-NOV78	B JACKSON-JOURNAL	B. JACKSON - JOURNAL & PAPERS - PV ORB & MULTIPROBE		
23	5		NASA/ARC		NOV78-6NOV79	B JACKSON-JOURNAL	B. JACKSON - JOURNAL & PAPERS - PV ORB & MULTIPROBE		
23	5		NASA/ARC		7NOV79-30SEP	B JACKSON-JOURNAL	B. JACKSON - JOURNAL & PAPERS - PV ORB & MULTIPROBE		
23	5		NASA/ARC		1NOV81-30NOV	B JACKSON-JOURNAL	B. JACKSON - JOURNAL & PAPERS - PV ORB & MULTIPROBE		
23	5		NASA/ARC		1DEC83-30APR	B JACKSON-JOURNAL	B. JACKSON - JOURNAL & PAPERS - PV ORB & MULTIPROBE		
23	5		NASA/ARC		1MAY85-31DEC	B JACKSON-JOURNAL	B. JACKSON - JOURNAL & PAPERS - PV ORB & MULTIPROBE		
23	5		NASA/ARC		1JAN87-31DEC	B JACKSON-JOURNAL	B. JACKSON - JOURNAL & PAPERS - PV ORB & MULTIPROBE		
23	5		NASA/ARC		1JAN89-DEC92	B JACKSON-JOURNAL	B. JACKSON - JOURNAL & PAPERS - PV ORB & MULTIPROBE		