INDEPENDENT ORBITER ASSESSMENT

**ASSESSMENT
OF THE
REACTION CONTROL
SYSTEM
Vol. 3 of 5**

26 FEBRUARY 1988

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: FRCS-11140X   BASELINE [   ]
NASA FMEA #:   05-6KF-2036-1   NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11140
ITEM: RJDF2A F3 MANIFOLD DRIVER SWITCH 6

LEAD A̶   H̶A̶R̶T̶M̶A̶N̶

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                                                ] *
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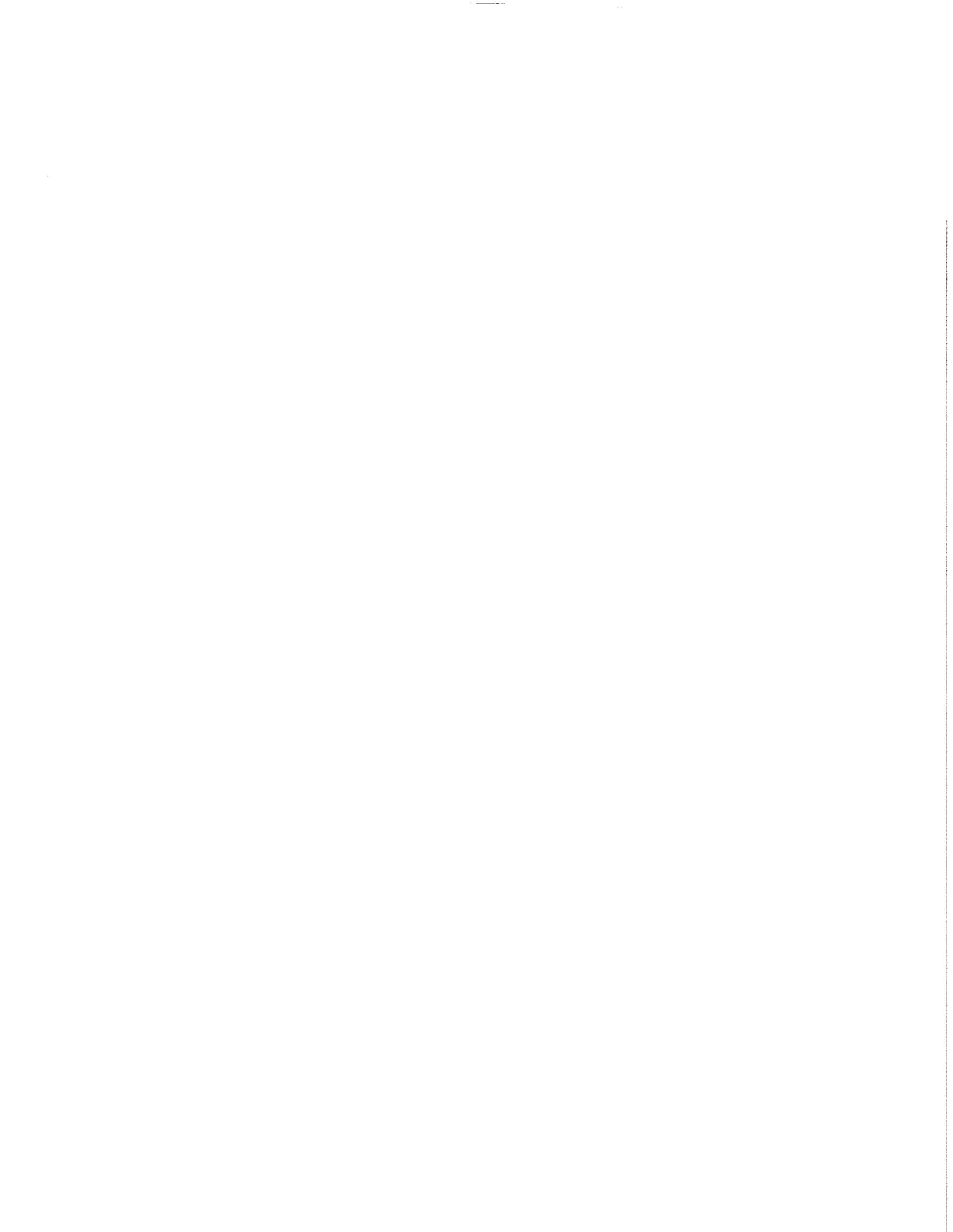
APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11141X
NASA FMEA #:   05-6KF-2036-2

NASA DATA:
BASELINE [   ]
     NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11141
ITEM: RJDF2A F3 MANIFOLD DRIVER SWITCH 6

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. THIS FAILURE ALONE HAS NO
EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE RAISED ABOVE WAS
DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206. THEREFORE, THE
ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11142X
NASA FMEA #: 05-6KF-2036-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11142
ITEM: RJDF2A F3 MANIFOLD DRIVER SWITCH 6

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. THIS FAILURE ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE RAISED ABOVE WAS DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206. THEREFORE, THE ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11143X
NASA FMEA #: 05-6KF-2036-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11143
ITEM: RJDF2A F3 MANIFOLD DRIVER SWITCH 6

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

| | CRITICALITY FLIGHT HDW/FUNC | REDUNDANCY SCREENS | | | CIL ITEM |
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [ ]   [ ]   [ ]   [ ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. THIS FAILURE ALONE HAS NO
EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE RAISED ABOVE WAS
DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206. THEREFORE, THE
ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11144X
NASA FMEA #: 05-6KF-2036-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11144
ITEM: RJDF2A F3 MANIFOLD DRIVER SWITCH 6

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /]	[ ]	[ ]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[2 /1R]   [P]   [P]   [P]   [A]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
LOSE CAPABILITY TO EXPEL PROPELLANTS TO MEET CG LIMITS.

ISSUE IS TIED TO THE IOA HARDWARE CRITICALITY FOR THE FAILED OFF THRUSTERS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11145X   NASA DATA:
NASA FMEA #:   05-6KF-2035-1   BASELINE [   ]
                                                  NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11145
ITEM: RJDF2A F4/F5 MANIFOLD LOGIC SWITCH 12

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /]	[ ]	[ ]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

        [3 /1R]   [P]   [P]   [P]   [   ]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                         INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: FRCS-11146X   BASELINE [   ]
NASA FMEA #:   05-6KF-2035-2   NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11146
ITEM: RJDF2A F4/F5 MANIFOLD LOGIC SWITCH 12

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
            CRITICALITY      REDUNDANCY SCREENS        CIL
               FLIGHT                                  ITEM
              HDW/FUNC      A         B         C

    NASA   [ 3 /1R ]     [ P ]     [ P ]     [ P ]     [   ] *
    IOA    [ 3 /3  ]     [   ]     [   ]     [   ]     [   ]

COMPARE    [   /N  ]     [ N ]     [ N ]     [ N ]     [   ]
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RECOMMENDATIONS: (If different from NASA)

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        [ 3 /3 ]      [   ]    [   ]    [   ]       [   ]
                                                  (ADD/DELETE)
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* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
THIS FAILURE ALONE HAS NO EFFECT.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11147X
NASA FMEA #:   05-6KF-2035-2

NASA DATA:
  BASELINE [   ]
     NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11147
ITEM: RJDF2A F4/F5 MANIFOLD LOGIC SWITCH 12

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [   ]   [   ]   [   ]   [   ]
                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                          ADEQUATE   [   ]
                        INADEQUATE [   ]

REMARKS:
THIS FAILURE ALONE HAS NO EFFECT.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11148X
NASA FMEA #: 05-6KF-2035-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11148
ITEM: RJDF2A F4/F5 MANIFOLD LOGIC SWITCH 12

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
THIS FAILURE ALONE HAS NO EFFECT.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11149X
NASA FMEA #:   05-6KF-2035-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11149
ITEM: RJDF2A F4/F5 MANIFOLD LOGIC SWITCH 12

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11150X
NASA FMEA #:   05-6KF-2036-1

NASA DATA:
BASELINE [   ]
     NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11150
ITEM: RJDF2A F4/F5 MANIFOLD DRIVER SWITCH 13

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /]	[ ]	[ ]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[2 /1R]   [P]   [P]   [P]   [A]
                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                              ADEQUATE   [   ]
                              INADEQUATE [   ]

REMARKS:
LOSS OF ALL REDUNDANT JETS CAUSES INABILITY TO EXPEL PROPELLANTS
TO MEET CG LIMITS.

ISSUE IS TIED TO THE IOA HARDWARE CRITICALITY FOR THE FAILED OFF
THRUSTERS.

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11151X
NASA FMEA #:   05-6KF-2036-2

NASA DATA:
    BASELINE [   ]
         NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11151
ITEM: RJDF2A F4/F5 MANIFOLD DRIVER SWITCH 13

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. THIS FAILURE ALONE HAS NO
EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE RAISED ABOVE WAS
DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206. THEREFORE, THE
ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: FRCS-11152X   BASELINE [   ]
NASA FMEA #:   05-6KF-2036-2   NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11152
ITEM: RJDF2A F4/F5 MANIFOLD DRIVER SWITCH 13

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

      [3 /3]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                            INADEQUATE [   ]

REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. THIS FAILURE ALONE HAS NO
EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE RAISED ABOVE WAS
DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206. THEREFORE, THE
ISSUE REMAINS OPEN.

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11153X
NASA FMEA #:   05-6KF-2036-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11153
ITEM: RJDF2A F4/F5 MANIFOLD DRIVER SWITCH 13

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [   ]   [   ]   [   ]   [   ]
                                         (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. THIS FAILURE ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE RAISED ABOVE WAS DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206. THEREFORE, THE ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11154X
NASA FMEA #:   05-6KF-2036-1

NASA DATA:
    BASELINE [   ]
        NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11154
ITEM: RJDF2A F4/F5 MANIFOLD DRIVER SWITCH 13

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /]	[ ]	[ ]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

        [2 /1R]   [P]   [P]   [P]   [A]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
LOSS OF ALL REDUNDANT JETS CAUSES INABILITY TO EXPEL PROPELLANTS
TO MEET CG LIMITS.

ISSUE IS TIED TO THE IOA HARDWARE CRITICALITY FOR THE FAILED OFF
THRUSTERS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11155X
NASA FMEA #: 05-6KF-2041-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11155
ITEM: RJDF2B L5/F5/R5 MANIFOLD DRIVER SWITCH 15

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /2]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11156X
NASA FMEA #: 05-6KF-2041-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11156
ITEM: RJDF2B L5/F5/R5 MANIFOLD DRIVER SWITCH 15

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [   ]
INADEQUATE [   ]

REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. THIS FAILURE ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE RAISED ABOVE WAS DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206. THEREFORE, THE ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11157X   NASA DATA:
NASA FMEA #:   05-6KF-2041-2   BASELINE [   ]
                                                    NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11157
ITEM: RJDF2B L5/F5/R5 MANIFOLD DRIVER SWITCH 15

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [3 /3]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                               ADEQUATE   [   ]
                                               INADEQUATE [   ]
REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. THIS FAILURE ALONE HAS NO
EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE RAISED ABOVE WAS
DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206. THEREFORE, THE
ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88

ASSESSMENT ID: FRCS-11158X

NASA FMEA #:   05-6KF-2041-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: FRCS

MDAC ID: 11158

ITEM: RJDF2B L5/F5/R5 MANIFOLD DRIVER SWITCH 15

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. THIS FAILURE ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE RAISED ABOVE WAS DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206. THEREFORE, THE ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11159X
NASA FMEA #:   05-6KF-2041-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11159
ITEM: RJDF2B L5/F5/R5 MANIFOLD DRIVER SWITCH 15

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /2]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: FRCS-11160X   BASELINE [   ]
NASA FMEA #:   05-6KF-2037-1   NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11160
ITEM: MANIFOLD 1, JETS HEATER CONTROL SWITCH 14

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11161X   NASA DATA:
NASA FMEA #:   05-6KF-2037-2   BASELINE [   ]
                                                      NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11161
ITEM: MANIFOLD 1, JETS HEATER CONTROL SWITCH 14

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                         INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: FRCS-11162X   BASELINE [   ]
NASA FMEA #:   05-6KF-2037-1   NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11162
ITEM: MANIFOLD 1, JETS HEATER CONTROL SWITCH 14

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

                                                          CIL
            CRITICALITY   REDUNDANCY SCREENS   ITEM
              FLIGHT
              HDW/FUNC   A   B   C

      NASA [3 /2R]   [P]   [P]   [P]   [   ] *
      IOA   [3 /2R]   [P]   [P]   [P]   [   ]

COMPARE   [/   ]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

            [/   ]   [   ]   [   ]   [   ]   [   ]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                              ADEQUATE   [   ]
                                            INADEQUATE   [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11163X
NASA FMEA #:   05-6KF-2037-2

NASA DATA:
    BASELINE [   ]
         NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11163
ITEM: MANIFOLD 1, JETS HEATER CONTROL SWITCH 14

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: FRCS-11164X   BASELINE [   ]
NASA FMEA #:   05-6KF-2037-1   NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11164
ITEM: MANIFOLD 1, JETS HEATER CONTROL SWITCH 14

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

                CRITICALITY   REDUNDANCY SCREENS   CIL
                   FLIGHT   ITEM
                  HDW/FUNC   A   B   C

         NASA [3 /2R]   [P]   [P]   [P]   [   ] *
         IOA   [3 /2R]   [P]   [P]   [P]   [   ]

COMPARE [/]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

         [/]   [   ]   [   ]   [   ]   [   ]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                       INADEQUATE   [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11165X
NASA FMEA #:   05-6KF-2037-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11165
ITEM: MANIFOLD 2, JETS HEATER CONTROL SWITCH 15

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11166X
NASA FMEA #:   05-6KF-2037-2

NASA DATA:
    BASELINE [   ]
         NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11166
ITEM: MANIFOLD 2, JETS HEATER CONTROL SWITCH 15

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                              ADEQUATE   [   ]
                              INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: FRCS-11167X   BASELINE [   ]
NASA FMEA #:   05-6KF-2037-1   NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11167
ITEM: MANIFOLD 2, JETS HEATER CONTROL SWITCH 15

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                        INADEQUATE   [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: FRCS-11168X   BASELINE [   ]
NASA FMEA #:   05-6KF-2037-2   NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11168
ITEM: MANIFOLD 2, JETS HEATER CONTROL SWITCH 15

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                            INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11169X
NASA FMEA #:   05-6KF-2037-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11169
ITEM: MANIFOLD 2, JETS HEATER CONTROL SWITCH 15

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: FRCS-11170X   BASELINE [   ]
NASA FMEA #:   05-6KF-2037-1   NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11170
ITEM: MANIFOLD 3, JETS HEATER CONTROL SWITCH 16

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

              [/]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11171X
NASA FMEA #:   05-6KF-2037-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11171
ITEM: MANIFOLD 3, JETS HEATER CONTROL SWITCH 16

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: FRCS-11172X   BASELINE [   ]
NASA FMEA #:   05-6KF-2037-1   NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11172
ITEM: MANIFOLD 3, JETS HEATER CONTROL SWITCH 16

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11173X
NASA FMEA #:   05-6KF-2037-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11173
ITEM: MANIFOLD 3, JETS HEATER CONTROL SWITCH 16

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11174X
NASA FMEA #: 05-6KF-2037-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11174
ITEM: MANIFOLD 3, JETS HEATER CONTROL SWITCH 16

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11175X
NASA FMEA #: 05-6KF-2037-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11175
ITEM: MANIFOLD 4, JETS HEATER CONTROL SWITCH 17

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [   ]
INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11176X
NASA FMEA #: 05-6KF-2037-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11176
ITEM: MANIFOLD 4, JETS HEATER CONTROL SWITCH 17

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11177X
NASA FMEA #:   05-6KF-2037-1

NASA DATA:
   BASELINE [   ]
      NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11177
ITEM: MANIFOLD 4, JETS HEATER CONTROL SWITCH 17

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                  ADEQUATE   [   ]
                                  INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: FRCS-11178X   BASELINE [   ]
NASA FMEA #:   05-6KF-2037-2   NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11178
ITEM: MANIFOLD 4, JETS HEATER CONTROL SWITCH 17

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [   ]
                                      INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11179X
NASA FMEA #: 05-6KF-2037-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11179
ITEM: MANIFOLD 4, JETS HEATER CONTROL SWITCH 17

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11180X
NASA FMEA #:   05-6KF-2042-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11180
ITEM: MANIFOLD 5, JETS HEATER CONTROL SWITCH 18

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /2]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11181X
NASA FMEA #:   05-6KF-2042-2

NASA DATA:
 BASELINE [   ]
     NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11181
ITEM: MANIFOLD 5, JETS HEATER CONTROL SWITCH 18

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: FRCS-11182X   BASELINE [   ]
NASA FMEA #:   05-6KF-2042-1   NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11182
ITEM: MANIFOLD 5, JETS HEATER CONTROL SWITCH 18

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
            CRITICALITY    REDUNDANCY SCREENS        CIL
              FLIGHT                                 ITEM
             HDW/FUNC     A        B        C

    NASA  [ 2 /2 ]     [   ]    [   ]    [   ]     [ X ] *
     IOA  [ 2 /2 ]     [   ]    [   ]    [   ]     [ X ]

COMPARE   [   /   ]    [   ]    [   ]    [   ]     [   ]
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RECOMMENDATIONS: (If different from NASA)

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          [   /   ]    [   ]    [   ]    [   ]        [   ]
                                                  (ADD/DELETE)
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* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                      INADEQUATE   [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: FRCS-11183X   BASELINE [   ]
NASA FMEA #:   05-6KF-2042-2   NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11183
ITEM: MANIFOLD 5, JETS HEATER CONTROL SWITCH 18

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: FRCS-11184X   BASELINE [   ]
NASA FMEA #:   05-6KF-2042-1   NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11184
ITEM: MANIFOLD 5, JETS HEATER CONTROL SWITCH 18

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
              CRITICALITY      REDUNDANCY SCREENS          CIL
                 FLIGHT                                    ITEM
                HDW/FUNC     A         B         C

      NASA    [ 2 /2 ]     [   ]     [   ]     [   ]     [ X ] *
      IOA     [ 2 /2 ]     [   ]     [   ]     [   ]     [ X ]

  COMPARE    [   /   ]     [   ]     [   ]     [   ]     [   ]
```

RECOMMENDATIONS: (If different from NASA)

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             [   /   ]     [   ]     [   ]     [   ]        [   ]
                                                        (ADD/DELETE)
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* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11185X
NASA FMEA #:   05-6KF-2038-1

NASA DATA:
  BASELINE [   ]
       NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11185
ITEM: SWITCH, TOGGLE RCS/OMS HEATERS FWD RCS

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /2]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [ ]   [ ]   [ ]   [   ]
                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: FRCS-11186X   BASELINE [   ]
NASA FMEA #:   05-6KF-2038-2   NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11186
ITEM: SWITCH, TOGGLE RCS/OMS HEATERS FWD RCS

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11187X
NASA FMEA #:   05-6KF-2038-1

NASA DATA:
  BASELINE [   ]
     NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11187
ITEM: SWITCH, TOGGLE RCS/OMS HEATERS FWD RCS

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /2]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                              ADEQUATE   [   ]
                              INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: FRCS-11188X   BASELINE [   ]
NASA FMEA #:   05-6KF-2038-2   NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11188
ITEM: SWITCH, TOGGLE RCS/OMS HEATERS FWD RCS

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

                 CRITICALITY   REDUNDANCY SCREENS   CIL
                   FLIGHT   ITEM
                  HDW/FUNC   A   B   C

        NASA   [3 /3]   [   ]   [   ]   [   ]   [   ] *
        IOA   [3 /3]   [   ]   [   ]   [   ]   [   ]

COMPARE   [/   ]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

           [/   ]   [   ]   [   ]   [   ]   [   ]
                                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                             ADEQUATE   [   ]
                                             INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11189X
NASA FMEA #: 05-6KF-2038-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11189
ITEM: SWITCH, TOGGLE RCS/OMS HEATERS FWD RCS

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /2]	[ ]	[ ]	[ ]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11190X
NASA FMEA #:   05-6KF-2033-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11190
ITEM: SWITCH ROTARY, RCS/OMS PROPELLANT QUANTITY GAUGE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11191X
NASA FMEA #: 05-6KF-2034-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11191
ITEM: SWITCH ROTARY, RCS/OMS PRESS

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [   ]
INADEQUATE [   ]

REMARKS:
LOSE DATA CONCERNING ULLAGE AND PRESSURES.

ISSUE NOT RESOLVED WITH THE SUBSYSTEM MANAGER AT THE MEETING ON
1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: FRCS-11192X   BASELINE [   ]
NASA FMEA #:   05-6KF-2157-1   NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11192
ITEM: METER, RCS/OMS PROPELLANT QUANTITY GAUGE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

       [/   ]   [   ]   [   ]   [   ]   [   ]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                   ADEQUATE   [   ]
                                   INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11193X
NASA FMEA #: 05-6KF-2158-1

NASA DATA:
BASELINE [　]
NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11193
ITEM: METER, RT OMS/RCS PRESSURE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[　]	[　]	[　]	[　] *
IOA	[3 /2R]	[P]	[P]	[P]	[　]
COMPARE	[　/N]	[N]	[N]	[N]	[　]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [　]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [　]
INADEQUATE [　]

REMARKS:
LOSE ACCURATE DATA CONCERNING ULLAGE AND TANK PRESSURES.

ISSUE NOT RESOLVED WITH THE SUBSYSTEM MANAGER AT THE MEETING ON
1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88　　　　　　　　　　　NASA DATA:
ASSESSMENT ID:　FRCS-11194X　　　　　　　　　BASELINE [　　]
NASA FMEA #:　　05-6KF-2158-1　　　　　　　　　　　　NEW [X]

SUBSYSTEM:　　　FRCS
MDAC ID:　　　　11194
ITEM:　　　　　　METER, LT OMS/RCS PRESSURE

LEAD ANALYST:　　D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[P]	[P]	[P]	[　] *
IOA	[3 /2R]	[P]	[P]	[P]	[　]
COMPARE	[　/N]	[N]	[N]	[N]	[　]

RECOMMENDATIONS:　(If different from NASA)

　　[3 /2R]　　　[P]　　[P]　　[P]　　　　[　]
　　　　　　　　　　　　　　　　　　　　　　　(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
　　　　　　　　　　　　　　　　　　　　ADEQUATE　　[　]
　　　　　　　　　　　　　　　　　　　　INADEQUATE　[　]

REMARKS:
LOSE ACCURATE DATA CONCERNING ULLAGE AND TANK PRESSURES.

ISSUE NOT RESOLVED WITH THE SUBSYSTEM MANAGER AT THE MEETING ON
1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11195X
NASA FMEA #:   05-6KF-2302-1

NASA DATA:
  BASELINE [   ]
       NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11195
ITEM: SIGNAL CONDITIONER OF2

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /2]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                   ADEQUATE   [   ]
                                   INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: FRCS-11196X   BASELINE [   ]
NASA FMEA #:   NONE   NEW [   ]

SUBSYSTEM: FRCS
MDAC ID: 11196
ITEM: SIGNAL CONDITIONER OF3

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

           CRITICALITY   REDUNDANCY SCREENS   CIL
              FLIGHT   ITEM
            HDW/FUNC   A   B   C

    NASA   [/   ]   [   ]   [   ]   [   ]   [   ] *
    IOA   [3 /2R]   [P]   [P]   [P]   [   ]

COMPARE   [N /N]   [N]   [N]   [N]   [   ]

RECOMMENDATIONS: (If different from NASA)

         [3 /2R]   [P]   [F]   [P]   [A]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]

REMARKS:
SIGNAL CONDITIONER NOT ADDRESSED BY A FMEA. IOA RECOMMENDS ITS
INCLUSION INTO A FMEA.

ISSUE NOT RESOLVED WITH THE SUBSYSTEM MANAGER AT THE MEETING ON
1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11197X
NASA FMEA #:   05-6KF-2303-1

NASA DATA:
  BASELINE [   ]
    NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11197
ITEM: SIGNAL CONDITIONER OF4

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[2 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /]	[ ]	[ ]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11198X
NASA FMEA #: NONE

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: FRCS
MDAC ID: 11198
ITEM: JET DRIVER (PRIMARY-ALL)

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[/]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
JET DRIVER FMEA HAS BEEN DELETED. IOA RECOMMENDS THEIR INCLUSION
INTO A FMEA.

SUBSYSTEM MANAGER STATED THAT THE RJDS WERE PART OF THE GN&C
ANALYSIS. IOA RECOMMENDS A REFERENCE TO THE GN&C FMEAS BE MADE
IN THE RCS EPD&C FMEAS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11199X   NASA DATA:
NASA FMEA #:   NONE   BASELINE [   ]
                                            NEW [   ]

SUBSYSTEM: FRCS
MDAC ID: 11199
ITEM: JET DRIVER (PRIMARY-ALL)

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[/]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/]   [   ]   [   ]   [   ]   [   ]
                                             (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]
REMARKS:
JET DRIVER FMEA HAS BEEN DELETED. IOA RECOMMENDS THEIR INCLUSION
INTO A FMEA.

SUBSYSTEM MANAGER STATED THAT THE RJDS WERE PART OF THE GN&C
ANALYSIS. IOA RECOMMENDS A REFERENCE TO THE GN&C FMEAS BE MADE
IN THE RCS EPD&C FMEAS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: FRCS-11200X   BASELINE [   ]
NASA FMEA #:   NONE   NEW [   ]

SUBSYSTEM: FRCS
MDAC ID: 11200
ITEM: JET DRIVER (VERNIER-ALL)

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[/]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ] [   ] [   ]   [   ]
                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                   ADEQUATE   [   ]
                                   INADEQUATE [   ]

REMARKS:
JET DRIVER FMEA HAS BEEN DELETED. IOA RECOMMENDS THEIR INCLUSION
INTO A FMEA.

SUBSYSTEM MANAGER STATED THAT THE RJDS WERE PART OF THE GN&C
ANALYSIS. IOA RECOMMENDS A REFERENCE TO THE GN&C FMEAS BE MADE
IN THE RCS EPD&C FMEAS.

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11201X
NASA FMEA #:   NONE

NASA DATA:
BASELINE [   ]
     NEW [   ]

SUBSYSTEM: FRCS
MDAC ID: 11201
ITEM: JET DRIVER (VERNIER-ALL)

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[/]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]

[ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
JET DRIVER FMEA HAS BEEN DELETED. IOA RECOMMENDS THEIR INCLUSION
INTO A FMEA.

SUBSYSTEM MANAGER STATED THAT THE RJDS WERE PART OF THE GN&C
ANALYSIS. IOA RECOMMENDS A REFERENCE TO THE GN&C FMEAS BE MADE
IN THE RCS EPD&C FMEAS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11202X
NASA FMEA #: NONE

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: FRCS
MDAC ID: 11202
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[2 /1R]   [P]   [F]   [P]   [A]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [   ]
INADEQUATE [   ]

REMARKS:
DIODES NOT ADDRESSED BY A FMEA. IOA RECOMMENDS THEIR INCLUSION
INTO A FMEA.

SUBSYSTEM MANAGER STATED THAT THESE DIODES WERE PART OF THE
HELIUM TANK ISOLATION VALVE ASSEMBLY. FOR COMPLETENESS, IOA
RECOMMENDS THEY BE INCORPORATED INTO A FMEA.

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11203X
NASA FMEA #:   NONE

NASA DATA:
  BASELINE [   ]
     NEW [   ]

SUBSYSTEM: FRCS
MDAC ID: 11203
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [   ]   [   ]   [   ]   [   ]
                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                      ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
DIODES NOT ADDRESSED BY A FMEA. IOA RECOMMENDS THEIR INCLUSION
INTO A FMEA.

SUBSYSTEM MANAGER STATED THAT THE DIODES WERE PART OF THE HELIUM
ISOLATION VALVE ASSEMBLY. FOR COMPLETENESS, IOA RECOMMENDS THEY
BE INCORPORATED INTO A FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: FRCS-11204X   BASELINE [   ]
NASA FMEA #:   NONE   NEW [   ]

SUBSYSTEM: FRCS
MDAC ID: 11204
ITEM: MICROSWITCH

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]				[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
MICROSWITCHES NOT ADDRESSED BY A FMEA. IOA RECOMMENDS THEIR
INCLUSION INTO A FMEA.

SUBSYSTEM MANAGER STATED THAT THE MICROSWITCH WAS PART OF THE
HELIUM TANK ISOLATION VALVE ASSEMBLY. FOR COMPLETENESS, IOA
RECOMMENDS THIS FAILURE BE INCORPORATED INTO A FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11205X
NASA FMEA #:   NONE

NASA DATA:
  BASELINE [   ]
      NEW [   ]

SUBSYSTEM: FRCS
MDAC ID: 11205
ITEM: MICROSWITCH

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[2 /1R]   [P]   [P]   [P]   [A]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
MICROSWITCHES NOT ADDRESSED BY A FMEA. IOA RECOMMENDS THEIR
INCLUSION INTO A FMEA.

SUBSYSTEM MANAGER STATED THAT THE MICROSWITCH WAS PART OF THE
TANK ISOLATION VALVE 1/2 ASSEMBLY. FOR COMPLETENESS, IOA
RECOMMENDS THIS FAILURE BE INCORPORATED INTO A FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: FRCS-11206X   BASELINE [   ]
NASA FMEA #:   NONE   NEW [   ]

SUBSYSTEM: FRCS
MDAC ID: 11206
ITEM: MICROSWITCH

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[2 /1R]   [P]   [P]   [P]   [A]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                     ADEQUATE   [   ]
                                     INADEQUATE [   ]

REMARKS:
MICROSWITCHES NOT ADDRESSED BY A FMEA. IOA RECOMMENDS THEIR
INCLUSION INTO A FMEA.

SUBSYSTEM MANAGER STATED THAT THE MICROSWITCH WAS PART OF THE
TANK ISOLATION VALVE 3/4/5 ASSEMBLY. FOR COMPLETENESS, IOA
RECOMMENDS THIS FAILURE BE INCORPORATED INTO A FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11207X
NASA FMEA #: NONE

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: FRCS
MDAC ID: 11207
ITEM: MICROSWITCH

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [   ]
INADEQUATE [   ]

REMARKS:
MICROSWITCHES NOT ADDRESSED BY A FMEA. IOA RECOMMENDS THEIR INCLUSION INTO A FMEA.

SUBSYSTEM MANAGER STATED THAT THE MICROSWITCH WAS PART OF THE MANIFOLD ISOLATION VALVE 1-4 ASSEMBLY. FOR COMPLETENESS, IOA RECOMMENDS THIS FAILURE BE INCORPORATED INTO A FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11208X
NASA FMEA #:   NONE

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: FRCS
MDAC ID: 11208
ITEM: MICROSWITCH

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]				[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
MICROSWITCHES NOT ADDRESSED BY A FMEA. IOA RECOMMENDS THEIR
INCLUSION INTO A FMEA.

SUBSYSTEM MANAGER STATED THAT THE MICROSWITCH WAS PART OF THE
MANIFOLD ISOLATION VALVE 1-4 ASSEMBLY. FOR COMPLETENESS, IOA
RECOMMENDS THIS FAILURE BE INCORPORATED INTO A FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11209X
NASA FMEA #:   NONE

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: FRCS
MDAC ID: 11209
ITEM: MICROSWITCH

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

| | CRITICALITY FLIGHT HDW/FUNC | REDUNDANCY SCREENS | | | CIL ITEM |
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
MICROSWITCHES NOT ADDRESSED BY A FMEA. IOA RECOMMENDS THEIR
INCLUSION INTO A FMEA.

SUBSYSTEM MANAGER STATED THAT THE MICROSWITCH WAS PART OF THE
MANIFOLD ISOLATION VALVE 1-4 ASSEMBLY. FOR COMPLETENESS, IOA
RECOMMENDS THIS FAILURE BE INCORPORATED INTO A FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11210X
NASA FMEA #: NONE

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: FRCS
MDAC ID: 11210
ITEM: MICROSWITCH

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]				[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [   ]
INADEQUATE [   ]

REMARKS:
MICROSWITCHES NOT ADDRESSED BY A FMEA. IOA RECOMMENDS THEIR
INCLUSION INTO A FMEA.

SUBSYSTEM MANAGER STATED THAT THE MICROSWITCH WAS PART OF THE
MANIFOLD ISOLATION VALVE 1-4 ASSEMBLY. FOR COMPLETENESS, IOA
RECOMMENDS THIS FAILURE BE INCORPORATED INTO A FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11211X   NASA DATA:
NASA FMEA #:   05-6KF-2252-3   BASELINE [   ]
                                              NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11211
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

       [3 /1R]   [P]   [NA]   [P]   [D]
                                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
NO DIFFERENCES IN CRITICALITY. B SCREEN SHOULD BE "NA" BECAUSE
ISOLATION OF A LEAK IS A STANDBY FUNCTION.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11212X
NASA FMEA #:   05-6KF-2252-3

NASA DATA:
  BASELINE [   ]
       NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11212
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

| | CRITICALITY FLIGHT HDW/FUNC | REDUNDANCY SCREENS | | | CIL ITEM |
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

  [3 /1R]   [P]   [NA]   [P]   [D]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
NO DIFFERENCES IN CRITICALITY. B SCREEN SHOULD BE "NA" BECAUSE
ISOLATION OF A LEAK IS A STANDBY FUNCTION.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11213X
NASA FMEA #:   NONE

NASA DATA:
  BASELINE [   ]
       NEW [   ]

SUBSYSTEM: FRCS
MDAC ID: 11213
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[P]	[F]	[P]	[X] *
IOA	[2 /1R]				
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[2 /1R]   [P]   [F]   [P]   [A]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                    ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
LOSS OF ALL REDUNDANT JETS CAUSES INABILITY TO EXPEL PROPELLANTS
TO MEET CG LIMITS.

NO FMEA EXISTS FOR THIS FAILURE. CRITICALITY ISSUE IS TIED TO
THE IOA HARDWARE CRITICALITY FOR THE FAILED OFF THRUSTERS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11214X
NASA FMEA #: NONE

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: FRCS
MDAC ID: 11214
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[P]	[F]	[P]	[X] *
IOA	[2 /1R]				
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[2 /1R]   [P]   [F]   [P]   [A]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [   ]
INADEQUATE [   ]

REMARKS:
LOSS OF ALL REDUNDANT JETS CAUSES INABILITY TO EXPEL PROPELLANTS
TO MEET CG LIMITS.

NO FMEA EXISTS FOR THIS FAILURE. CRITICALITY ISSUE IS TIED TO
THE IOA HARDWARE CRITICALITY FOR THE FAILED OFF THRUSTERS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11215X
NASA FMEA #:   NONE

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: FRCS
MDAC ID: 11215
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	
IOA	[3 /1R]	[P]	[F]	[P]	[X] *
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R]   [P]   [F]   [P]   [A]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
LOSS OF ALL REDUNDANT JETS CAUSES INABILITY TO EXPEL PROPELLANTS
TO MEET CG LIMITS.

NO FMEA EXISTS FOR THIS FAILURE. CRITICALITY ISSUE IS TIED TO
THE IOA HARDWARE CRITICALITY FOR THE FAILED OFF THRUSTERS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11216X
NASA FMEA #:   NONE

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: FRCS
MDAC ID: 11216
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[P]	[F]	[P]	[X] *
IOA	[3 /1R]				
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R]   [P]   [F]   [P]   [A]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
LOSS OF ALL REDUNDANT JETS CAUSES INABILITY TO EXPEL PROPELLANTS
TO MEET CG LIMITS.

NO FMEA EXISTS FOR THIS FAILURE. CRITICALITY ISSUE IS TIED TO
THE IOA HARDWARE CRITICALITY FOR THE FAILED OFF THRUSTERS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11217X
NASA FMEA #: NONE

NASA DATA:
BASELINE [ ]
NEW [ ]

SUBSYSTEM: FRCS
MDAC ID: 11217
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[2 /1R]   [P]   [F]   [P]   [A]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
LOSS OF ALL REDUNDANT JETS CAUSES INABILITY TO EXPEL PROPELLANTS
TO MEET CG LIMITS.

NO FMEA EXISTS FOR THIS FAILURE. CRITICALITY ISSUE IS TIED TO
THE IOA HARDWARE CRITICALITY FOR THE FAILED OFF THRUSTERS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11218X
NASA FMEA #: 05-6KF-2270-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11218
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /2]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11219X
NASA FMEA #: 05-6KF-2266-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11219
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [   ]
INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: FRCS-11220X   BASELINE [   ]
NASA FMEA #:   05-6KF-2266-1   NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11220
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: FRCS-11221X
NASA FMEA #: 05-6KF-2258-3

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: FRCS
MDAC ID: 11221
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[2 /2]   [ ]   [ ]   [ ]   [A]
                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
THIS FAILURE CAUSES THE INABILITY TO OPEN THE VALVE, CAUSING LOSS
OF VERNIERS THUS MISSION OPERATIONS.

ISSUE IS TIED TO THE IOA HARDWARE CRITICALITY FOR THE FAILED
CLOSED MANIFOLD 5 ISOLATION VALVE.

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1302   BASELINE [   ]
NASA FMEA #:   05-6KA-2176A-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1302
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1303
NASA FMEA #:   05-6KA-2176A-2

NASA DATA:
  BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1303
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

    [/]   [ ]   [ ]   [ ]   [ ]
                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                ADEQUATE [   ]
                              INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1304   BASELINE [   ]
NASA FMEA #:   05-6KA-2176A-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1304
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

REPORT DATE 2/26/88   C-1485

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1305
NASA FMEA #:   05-6KA-2176A-2

NASA DATA:
  BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1305
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[F]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

   [/]   [ ] [ ] [ ]   [ ]
                           (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                          ADEQUATE   [   ]
                        INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1306   BASELINE [   ]
NASA FMEA #:   05-6KA-2176-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1306
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1307
NASA FMEA #:   05-6KA-2176-2

NASA DATA:
BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1307
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE   [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1308   BASELINE [   ]
NASA FMEA #:   05-6KA-2176-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1308
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

            CRITICALITY   REDUNDANCY SCREENS   CIL
              FLIGHT   ITEM
              HDW/FUNC   A   B   C

    NASA   [3 /1R]   [P]   [P]   [P]   [   ] *
    IOA   [3 /1R]   [P]   [P]   [P]   [   ]

COMPARE   [/   ]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

            [/   ]   [   ]   [   ]   [   ]   [   ]
                                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                          INADEQUATE   [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1309
NASA FMEA #: 05-6KA-2176-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1309
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1310
NASA FMEA #:   05-6KA-2176A-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1310
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1311
NASA FMEA #: 05-6KA-2176A-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1311
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1312
NASA FMEA #:   05-6KA-2176A-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1312
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1313
NASA FMEA #:   05-6KA-2176A-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1313
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]				
IOA	[3 /1R]	[F]	[F]	[P]	[X] *
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1314   BASELINE [   ]
NASA FMEA #:   05-6KA-2176-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1314
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
              CRITICALITY    REDUNDANCY SCREENS          CIL
                 FLIGHT                                  ITEM
               HDW/FUNC      A         B         C

      NASA   [ 3 /1R ]    [ P ]     [ P ]     [ P ]     [   ] *
       IOA   [ 3 /1R ]    [ P ]     [ P ]     [ P ]     [   ]

COMPARE      [   /   ]    [   ]     [   ]     [   ]     [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
             [   /   ]    [   ]     [   ]     [   ]        [   ]
                                                     (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                      INADEQUATE   [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1315
NASA FMEA #:   05-6KA-2176-2

NASA DATA:
BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1315
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

C 2

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1316
NASA FMEA #:   05-6KA-2176-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1316
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                           ADEQUATE   [   ]
                           INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1317
NASA FMEA #: 05-6KA-2176-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1317
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1318   BASELINE [   ]
NASA FMEA #:   05-6KA-2251-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1318
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[F]	[P]	[P]	[X]
COMPARE	[/]	[N]	[ ]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                   ADEQUATE   [   ]
                                   INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1319
NASA FMEA #:   05-6KA-2251-2

NASA DATA:
  BASELINE [   ]
       NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1319
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                              ADEQUATE   [   ]
                              INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1320
NASA FMEA #: 05-6KA-2251-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1320
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[F]	[P]	[P]	
COMPARE	[/]	[N]	[ ]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                          ADEQUATE   [ ]
                          INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1321   NASA DATA:
NASA FMEA #:   05-6KA-2251-2   BASELINE [ ]
                                                    NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1321
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
              CRITICALITY      REDUNDANCY SCREENS              CIL
                 FLIGHT                                        ITEM
                HDW/FUNC      A         B         C

        NASA  [ 3 /3 ]     [   ]    [   ]    [   ]        [   ] *
        IOA   [ 3 /3 ]     [   ]    [   ]    [   ]        [   ]

   COMPARE  [   /   ]      [   ]    [   ]    [   ]        [   ]
```

RECOMMENDATIONS: (If different from NASA)

           [/   ]   [   ]   [   ]   [   ]
                                                        [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1322   BASELINE [   ]
NASA FMEA #:   05-6KA-2252-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1322
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

              CRITICALITY   REDUNDANCY SCREENS   CIL
                FLIGHT   ITEM
               HDW/FUNC   A   B   C

      NASA   [3 /1R]   [P]   [P]   [P]   [   ] *
       IOA   [3 /1R]   [F]   [P]   [P]   [X]

COMPARE   [/   ]   [N]   [   ]   [   ]   [N]

RECOMMENDATIONS: (If different from NASA)

           [/   ]   [   ]   [   ]   [   ]   [   ]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [   ]
                                      INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1323   BASELINE [   ]
NASA FMEA #:   05-6KA-2252-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1323
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

          [3 /3]   [   ]   [   ]   [   ]   [D]
                                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                              ADEQUATE   [   ]
                                              INADEQUATE [   ]
REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. THIS FAILURE ALONE HAS NO
EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1324
NASA FMEA #:   05-6KA-2252-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1324
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[F]	[P]	[P]	[X]
COMPARE	[/]	[N]	[ ]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1325
NASA FMEA #: 05-6KA-2252-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1325
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [ ]   [ ]   [ ]   [D]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. THIS FAILURE ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES) WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206. THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1326   BASELINE [   ]
NASA FMEA #:   05-6KA-2267-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1326
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [   ]
                                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                           ADEQUATE   [   ]
                                           INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1327   NASA DATA:
NASA FMEA #:   05-6KA-2267-2   BASELINE [   ]
                                         NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1327
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

         [/   ]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                         INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

REPORT DATE 2/26/88   C-1508

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1328
NASA FMEA #: 05-6KA-2251-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1328
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[F]	[P]	[P]	[X]
COMPARE	[/]	[N]	[ ]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                               (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1329
NASA FMEA #:   05-6KA-2251-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1329
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1330
NASA FMEA #:   05-6KA-2251-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1330
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /1R]	[F]	[P]	[P]	
COMPARE	[/]	[N]	[ ]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1331
NASA FMEA #:   05-6KA-2251-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1331
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]
[   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1332
NASA FMEA #:   05-6KA-2252-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1332
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[F]	[P]	[P]	[X]
COMPARE	[/]	[N]	[ ]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1333
NASA FMEA #:   05-6KA-2252-2

NASA DATA:
  BASELINE [   ]
      NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1333
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [   ]   [   ]   [   ]   [D]
                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                              ADEQUATE   [   ]
                              INADEQUATE [   ]
REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. THIS FAILURE ALONE HAS NO
EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1334
NASA FMEA #: 05-6KA-2252-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1334
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[F]	[P]	[P]	[X]
COMPARE	[/]	[N]	[ ]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                           ADEQUATE   [   ]
                           INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1335
NASA FMEA #: 05-6KA-2252-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1335
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [ ]   [ ]   [ ]   [D]
                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. THIS FAILURE ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES) WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206. THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1336
NASA FMEA #:   05-6KA-2267-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1336
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE   [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1337
NASA FMEA #: 05-6KA-2267-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1337
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1338   BASELINE [   ]
NASA FMEA #:   05-6KA-2202A-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1338
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1339   NASA DATA:
NASA FMEA #:   05-6KA-2202A-2   BASELINE [   ]
                                                    NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1339
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1340
NASA FMEA #:   05-6KA-2202A-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1340
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                         (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1341
NASA FMEA #:   05-6KA-2202A-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1341
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[F]	[F]	[P]	[X]
COMPARE	[/]	[N]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1342
NASA FMEA #: 05-6KA-2202-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1342
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
		[P]	[P]	[P]	[ ] *
NASA	[3 /1R]	[P]	[P]	[P]	[ ]
IOA	[3 /1R]				
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE [   ]
                                             INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1343   NASA DATA:
NASA FMEA #:   05-6KA-2202-2   BASELINE [   ]
                                                     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1343
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

           [/   ]   [   ]   [   ]   [   ]
                                                    [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                        ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1344   BASELINE [   ]
NASA FMEA #:   05-6KA-2202-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1344
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1345
NASA FMEA #:   05-6KA-2202-2

NASA DATA:
BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1345
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                         (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1346   BASELINE [   ]
NASA FMEA #:   05-6KA-2201-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1346
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                ADEQUATE   [   ]
                                INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1347
NASA FMEA #:   05-6KA-2201-2

NASA DATA:
  BASELINE [   ]
       NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1347
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1348
NASA FMEA #: 05-6KA-2201A-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1348
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

REPORT DATE 2/26/88   C-1529

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1349
NASA FMEA #:   05-6KA-2201-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1349
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	
IOA	[3 /1R]	[P]	[P]	[P]	[ ] *
					[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1350   BASELINE [   ]
NASA FMEA #:   05-6KA-2202A-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1350
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
            CRITICALITY     REDUNDANCY SCREENS        CIL
              FLIGHT                                  ITEM
             HDW/FUNC      A        B        C

    NASA   [ 3 /1R ]     [ P ]    [ P ]    [ P ]    [   ] *
    IOA    [ 3 /1R ]     [ P ]    [ F ]    [ P ]    [ X ]

 COMPARE   [   /   ]     [   ]    [ N ]    [   ]    [ N ]
```

RECOMMENDATIONS: (If different from NASA)

```
            [   /   ]     [   ]    [   ]    [   ]      [   ]
                                                    (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                           ADEQUATE   [   ]
                                           INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1351
NASA FMEA #:   05-6KA-2202A-2

NASA DATA:
  BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1351
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[2 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                               ADEQUATE   [   ]
                             INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1352
NASA FMEA #:   05-6KA-2202A-1

NASA DATA:
BASELINE [　]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1352
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[　] *
IOA	[3 /1R]	[P]	[P]	[P]	[　]
COMPARE	[/]	[ ]	[ ]	[ ]	[　]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [　]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [　]
INADEQUATE [　]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1353   NASA DATA:
NASA FMEA #:   05-6KA-2202A-2   BASELINE [   ]
                                      NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1353
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	
IOA	[3 /1R]	[F]	[F]	[P]	[ ] *
					[X]
COMPARE	[/]	[N]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]
                                    [   ]
                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                 ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1354
NASA FMEA #: 05-6KA-2202-1

NASA DATA:
  BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1354
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

    [/]   [ ]   [ ]   [ ]   [ ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                 ADEQUATE [   ]
                               INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1355
NASA FMEA #: 05-6KA-2202-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1355
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1356   BASELINE [   ]
NASA FMEA #:   05-6KA-2202-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1356
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

          CRITICALITY   REDUNDANCY SCREENS   CIL
            FLIGHT   ITEM
          HDW/FUNC   A   B   C

   NASA   [3 /1R]   [P]   [P]   [P]   [   ] *
    IOA   [3 /1R]   [P]   [P]   [P]   [   ]

COMPARE   [/   ]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [   ]
                                      INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

REPORT DATE 2/26/88   C-1537

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1357   BASELINE [   ]
NASA FMEA #:   05-6KA-2202-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1357
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1358
NASA FMEA #:   05-6KA-2201-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1358
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE   [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1359   NASA DATA:
NASA FMEA #:   05-6KA-2201-2   BASELINE [   ]
                                             NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1359
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

REPORT DATE 2/26/88   C-1540

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1360
NASA FMEA #: 05-6KA-2201A-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1360
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1361   NASA DATA:
NASA FMEA #:   05-6KA-2201-2   BASELINE [   ]
                                         NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1361
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                    ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1362
NASA FMEA #: 05-6KA-2001-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1362
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                  ADEQUATE [ ]
                                  INADEQUATE [ ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1363
NASA FMEA #:   05-6KA-2001-1

NASA DATA:
  BASELINE [   ]
       NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1363
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                              ADEQUATE   [   ]
                            INADEQUATE   [   ]
REMARKS:
NO DIFFERENCES.

ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1364
NASA FMEA #: 05-6KA-2001-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1364
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [   ]
INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1365
NASA FMEA #:   05-6KA-2001-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1365
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	
IOA	[3 /1R]	[P]	[P]	[P]	[ ] *
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]

[   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE   [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1366   BASELINE [   ]
NASA FMEA #:   05-6KA-2076-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1366
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

              CRITICALITY   REDUNDANCY SCREENS   CIL
                FLIGHT   ITEM
              HDW/FUNC   A   B   C

     NASA   [3 /3]   [   ]   [   ]   [   ]   [   ] *
     IOA   [3 /3]   [   ]   [   ]   [   ]   [   ]

COMPARE   [/   ]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

           [/   ]   [   ]   [   ]   [   ]   [   ]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                         INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1367   BASELINE [   ]
NASA FMEA #:   05-6KA-2076-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1367
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

       [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FOR THIS FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1368
NASA FMEA #:   05-6KA-2076-1

NASA DATA:
BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1368
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                              ADEQUATE   [   ]
                              INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1369
NASA FMEA #:   05-6KA-2076-1

NASA DATA:
  BASELINE [   ]
       NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1369
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]
                                              [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                    ADEQUATE   [   ]
                                  INADEQUATE   [   ]
REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FOR THIS FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1370   BASELINE [   ]
NASA FMEA #:   05-6KA-2076-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1370
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

                                                              CIL
            CRITICALITY   REDUNDANCY SCREENS   ITEM
              FLIGHT
              HDW/FUNC   A   B   C

    NASA   [3 /3]   [   ]   [   ]   [   ]   [   ] *
    IOA   [3 /3]   [   ]   [   ]   [   ]   [   ]

COMPARE   [/   ]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                              ADEQUATE   [   ]
                                            INADEQUATE   [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1371   NASA DATA:
NASA FMEA #:   05-6KA-2076-1   BASELINE [   ]
                                                    NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1371
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
           CRITICALITY      REDUNDANCY SCREENS        CIL
              FLIGHT                                  ITEM
            HDW/FUNC       A        B        C

    NASA   [ 3 /3 ]     [   ]    [   ]    [   ]     [   ] *
    IOA    [ 3 /3 ]     [   ]    [   ]    [   ]     [   ]

COMPARE   [   /   ]     [   ]    [   ]    [   ]     [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
          [   /   ]     [   ]    [   ]    [   ]       [   ]
                                                  (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)

                                           ADEQUATE   [   ]
                                         INADEQUATE   [   ]
REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FOR THIS FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1372
NASA FMEA #:   05-6KA-2077-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1372
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1373
NASA FMEA #:   05-6KA-2077-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1373
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FOR THIS FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1374   BASELINE [   ]
NASA FMEA #:   05-6KA-2077-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1374
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

      [3 /2R]   [P]   [P]   [P]   [   ]
                                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                           ADEQUATE   [   ]
                                         INADEQUATE   [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1375
NASA FMEA #:   05-6KA-2077-1

NASA DATA:
  BASELINE [   ]
      NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1375
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                ADEQUATE   [   ]
                                INADEQUATE [   ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FOR THIS FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1376   BASELINE [   ]
NASA FMEA #:   05-6KA-2078-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1376
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [   ]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE   [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1377
NASA FMEA #:   05-6KA-2078-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1377
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ]	*
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]	
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]	

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1378
NASA FMEA #:   05-6KA-2077-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1378
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1379
NASA FMEA #:   05-6KA-2077-1

NASA DATA:
  BASELINE [   ]
       NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1379
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                   ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FOR THIS FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1380
NASA FMEA #: 05-6KA-2077-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1380
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [ ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [ ]
                                    INADEQUATE [ ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1381
NASA FMEA #:   05-6KA-2077-1

NASA DATA:
BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1381
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FOR THIS FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1382   BASELINE [   ]
NASA FMEA #:   05-6KA-2076-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1382
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1383   BASELINE [   ]
NASA FMEA #:   05-6KA-2076-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1383
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

         [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FOR THIS FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1384   BASELINE [   ]
NASA FMEA #:   05-6KA-2076-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1384
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

              CRITICALITY   REDUNDANCY SCREENS   CIL
                FLIGHT   ITEM
              HDW/FUNC   A   B   C

      NASA [3 /3]   [   ]   [   ]   [   ]   [   ] *
       IOA [3 /3]   [   ]   [   ]   [   ]   [   ]

COMPARE   [/   ]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                         (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                          INADEQUATE   [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1385
NASA FMEA #:   05-6KA-2076-1

NASA DATA:
BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1385
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FOR THIS FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1386
NASA FMEA #: 05-6KA-2076-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1386
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1387
NASA FMEA #:   05-6KA-2076-1

NASA DATA:
BASELINE [　]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1387
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [ ]
INADEQUATE [ ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FOR THIS FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1388
NASA FMEA #: 05-6KA-2077-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1388
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1389
NASA FMEA #:   05-6KA-2077-1

NASA DATA:
BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1389
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FOR THIS FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1390
NASA FMEA #:   05-6KA-2077-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1390
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1391
NASA FMEA #: 05-6KA-2077-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1391
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FOR THIS FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1392
NASA FMEA #:   05-6KA-2078-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1392
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                              ADEQUATE   [   ]
                              INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1393
NASA FMEA #:   05-6KA-2078-1

NASA DATA:
BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1393
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE   [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1394
NASA FMEA #: 05-6KA-2077-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1394
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R] [P] [P] [P] [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1395
NASA FMEA #:   05-6KA-2077-1

NASA DATA:
  BASELINE [ ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1395
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                           ADEQUATE   [ ]
REMARKS: INADEQUATE   [ ]

A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FOR THIS FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1396
NASA FMEA #: 05-6KA-2077-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1396
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1397   NASA DATA:
NASA FMEA #:   05-6KA-2077-1   BASELINE [   ]
                                                      NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1397
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
          CRITICALITY      REDUNDANCY SCREENS           CIL
            FLIGHT                                       ITEM
            HDW/FUNC       A        B        C

   NASA   [ 3 /3 ]      [   ]    [   ]    [   ]       [   ] *
   IOA    [ 3 /3 ]      [   ]    [   ]    [   ]       [   ]

COMPARE   [   /   ]     [   ]    [   ]    [   ]       [   ]
```

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                         INADEQUATE [   ]
REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FOR THIS FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1398
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1398
ITEM: L/R HE OX & FU ISOL VLV A OR B SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
HELIUM OXIDIZER AND FUEL ISOLATION VALVE A & B SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12076X-12080X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1399
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1399
ITEM: L/R HE OX & FU ISOL VLV A OR B SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
HELIUM OXIDIZER AND FUEL ISOLATION VALVE A & B SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12076X-12080X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1400   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1400
ITEM: L/R HE OX & FU ISOL VLV A OR B SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
HELIUM OXIDIZER AND FUEL ISOLATION VALVE A & B SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12076X-12080X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1401
NASA FMEA #:

NASA DATA:
  BASELINE [   ]
      NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1401
ITEM: L/R HE OX & FU ISOL VLV A OR B SWITCH OPEN
CONTACTS 1, 2

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

         [/]   [ ]   [ ]   [ ]   [ ]
                                           (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [   ]
                                      INADEQUATE [   ]
REMARKS:
HELIUM OXIDIZER AND FUEL ISOLATION VALVE A & B SWITCHES RE-
ANALYZED BY IOA.   SEE ASSESSMENT IDs ARCS 12076X-12080X.

REPORT DATE 2/26/88   C-1582

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1402   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1402
ITEM: L/R HE OX & FU ISOL VLV A OR B SWITCH OPEN
CONTACTS 1, 2

LEAD ANALYST:

ASSESSMENT:

            CRITICALITY   REDUNDANCY SCREENS   CIL
              FLIGHT   ITEM
            HDW/FUNC   A   B   C

    NASA [/   ]   [   ]   [   ]   [   ]   [   ] *
    IOA   [3 /3]   [   ]   [   ]   [   ]   [   ]

COMPARE   [N /N]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
HELIUM OXIDIZER AND FUEL ISOLATION VALVE A & B SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12076X-12080X.

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1403   NASA DATA:
NASA FMEA #:   BASELINE [   ]
                                                     NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1403
ITEM: L/R HE OX & FU ISOL VLV A OR B SWITCH OPEN
CONTACTS 3, 4

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                              ADEQUATE   [   ]
                                              INADEQUATE [   ]
REMARKS:
HELIUM OXIDIZER AND FUEL ISOLATION VALVE A & B SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12076X-12080X.

REPORT DATE 2/26/88   C-1584

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1404
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1404
ITEM: L/R HE OX & FU ISOL VLV A OR B SWITCH OPEN
CONTACTS 3, 4

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
HELIUM OXIDIZER AND FUEL ISOLATION VALVE A & B SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12076X-12080X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1405
NASA FMEA #:

NASA DATA:
    BASELINE [   ]
       NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1405
ITEM: L/R HE OX & FU ISOL VLV A OR B SWITCH CLOSE
CONTACTS 5, 6

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

    [/]   [ ]   [ ]   [ ]   [ ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                  ADEQUATE [   ]
                                  INADEQUATE [   ]

REMARKS:
HELIUM OXIDIZER AND FUEL ISOLATION VALVE A & B SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12076X-12080X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1406   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1406
ITEM: L/R HE OX & FU ISOL VLV A OR B SWITCH CLOSE
CONTACTS 5, 6

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                               (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
HELIUM OXIDIZER AND FUEL ISOLATION VALVE A & B SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12076X-12080X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1407
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1407
ITEM: L/R HE OX & FU ISOL VLV A OR B SWITCH OPEN
CONTACTS 7, 8

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
HELIUM OXIDIZER AND FUEL ISOLATION VALVE A & B SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12076X-12080X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1408   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1408
ITEM: L/R HE OX & FU ISOL VLV A OR B SWITCH OPEN
CONTACTS 7, 8

LEAD ANALYST:

ASSESSMENT:

            CRITICALITY   REDUNDANCY SCREENS   CIL
              FLIGHT   ITEM
             HDW/FUNC   A   B   C

      NASA [/   ]   [   ]   [   ]   [   ]   [   ] *
       IOA [3 /1R]   [P]   [P]   [P]   [   ]

  COMPARE   [N /N]   [N]   [N]   [N]   [   ]

RECOMMENDATIONS: (If different from NASA)

            [/   ]   [   ]   [   ]   [   ]   [   ]
                                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                        INADEQUATE   [   ]

REMARKS:
HELIUM OXIDIZER AND FUEL ISOLATION VALVE A & B SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12076X-12080X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1409   NASA DATA:
NASA FMEA #:   BASELINE [   ]
                                                        NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1409
ITEM: L/R HE OX & FU ISOL VLV A OR B SWITCH GPC
CONTACTS 9, 10

LEAD ANALYST:

ASSESSMENT:

             CRITICALITY   REDUNDANCY SCREENS   CIL
               FLIGHT   ITEM
              HDW/FUNC   A   B   C

    NASA   [/   ]   [   ]   [   ]   [   ]   [   ] *
    IOA   [3 /3]   [   ]   [   ]   [   ]   [   ]

COMPARE   [N /N]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

            [/   ]   [   ]   [   ]   [   ]   [   ]
                                                           (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                              ADEQUATE   [   ]
                                              INADEQUATE [   ]
REMARKS:
HELIUM OXIDIZER AND FUEL ISOLATION VALVE A & B SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12076X-12080X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1410
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1410
ITEM: L/R HE OX & FU ISOL VLV A OR B SWITCH GPC
CONTACTS 9, 10

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[F]	[F]	[P]	[X] *
IOA	[3 /1R]				
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
HELIUM OXIDIZER AND FUEL ISOLATION VALVE A & B SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12076X-12080X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1411
NASA FMEA #:

                                         NASA DATA:
                                           BASELINE [   ]
                                              NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1411
ITEM: L/R HE OX & FU ISOL VLV A OR B SWITCH CLOSE
CONTACTS 11, 12

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                                 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                         ADEQUATE   [   ]
                                         INADEQUATE [   ]
REMARKS:
HELIUM OXIDIZER AND FUEL ISOLATION VALVE A & B SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12076X-12080X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1412   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1412
ITEM: L/R HE OX & FU ISOL VLV A OR B SWITCH CLOSE
CONTACTS 11, 12

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[F]	[F]	[P]	[X] *
IOA	[3 /1R]	[F]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                           (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
HELIUM OXIDIZER AND FUEL ISOLATION VALVE A & B SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12076X-12080X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1413
NASA FMEA #:   05-6KA-2151-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1413
ITEM: L/R HE OX & FU ISOL VLV A OR B SWITCH TALKBACK

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1414
NASA FMEA #:   03-2A-203350-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1414
ITEM: L/R HE OX TANK PRESS-1 PRESS SENSOR

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1415
NASA FMEA #:   03-2A-203350-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1415
ITEM: L/R HE OX TANK PRESS-1 PRESS SENSOR

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                         (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1416
NASA FMEA #: 03-2A-203350-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1416
ITEM: L/R HE FU TANK PRESS-1 PRESS SENSOR

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1417
NASA FMEA #: 03-2A-203350-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1417
ITEM: L/R HE FU TANK PRESS-1 PRESS SENSOR

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1418
NASA FMEA #: 03-2A-203350-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1418
ITEM: L/R HE OX TANK PRESS-2 PRESS SENSOR

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1419
NASA FMEA #: 03-2A-203350-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1419
ITEM: L/R HE OX TANK PRESS-2 PRESS SENSOR

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1420
NASA FMEA #: 03-2A-203350-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1420
ITEM: L/R HE FU TANK PRESS-2 PRESS SENSOR

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1421
NASA FMEA #: 03-2A-203350-1

NASA DATA:
BASELINE [　]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1421
ITEM: L/R HE FU TANK PRESS-2 PRESS SENSOR

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[P]	[P]	[P]	[　] *
IOA	[3 /3]	[　]	[　]	[　]	[　]
COMPARE	[　/N]	[N]	[N]	[N]	[　]

RECOMMENDATIONS: (If different from NASA)

[　/　]   [　]   [　]   [　]   [　]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [　]
INADEQUATE [　]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1422
NASA FMEA #: 03-2A-203360-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1422
ITEM: L/R HE OX TANK TEMP-1 TEMP SENSOR

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                              ADEQUATE   [ ]
                              INADEQUATE [ ]

REMARKS:
NO DIFFERENCES.

REPORT DATE 2/26/88   C-1603

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1423   NASA DATA:
NASA FMEA #:   03-2A-203360-1   BASELINE [   ]
                                                     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1423
ITEM: L/R HE OX TANK TEMP-1 TEMP SENSOR

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

            CRITICALITY   REDUNDANCY SCREENS   CIL
              FLIGHT   ITEM
             HDW/FUNC   A   B   C

     NASA   [3 /3]   [   ]   [   ]   [   ]   [   ] *
      IOA   [3 /3]   [   ]   [   ]   [   ]   [   ]

COMPARE   [/   ]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

           [/   ]   [   ]   [   ]   [   ]
                                                        [   ]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                          INADEQUATE   [   ]
REMARKS:
NO DIFFERENCES.

REPORT DATE 2/26/88   C-1604

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1424   BASELINE [   ]
NASA FMEA #:   03-2A-203360-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1424
ITEM: L/R HE FU TANK TEMP-1 TEMP SENSOR

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1425
NASA FMEA #:   03-2A-203360-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1425
ITEM: L/R HE FU TANK TEMP-1 TEMP SENSOR

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1426   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1426
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST:

ASSESSMENT:

              CRITICALITY   REDUNDANCY SCREENS   CIL
                 FLIGHT   ITEM
               HDW/FUNC   A   B   C

     NASA   [/   ]   [   ]   [   ]   [   ]   [   ] *
     IOA   [3 /3]   [   ]   [   ]   [   ]   [   ]

COMPARE   [N /N]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

            [/   ]   [   ]   [   ]   [   ]   [   ]
                                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1427   NASA DATA:
NASA FMEA #:   BASELINE [   ]
                                                      NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1427
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

   [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                            ADEQUATE   [   ]
                                            INADEQUATE [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1428   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1428
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1429   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1429
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [ ]   [ ]   [ ]   [ ]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1430   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1430
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

            [/]   [   ]   [   ]   [   ]   [   ]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE   [   ]
                                             INADEQUATE   [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1431
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1431
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1432   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1432
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

```
            CRITICALITY       REDUNDANCY SCREENS            CIL
               FLIGHT                                      ITEM
              HDW/FUNC      A          B          C

     NASA  [   /   ]     [    ]    [    ]     [    ]     [   ] *
     IOA   [ 3 /1R ]     [ F ]     [ P ]      [ P ]      [ X ]

  COMPARE  [ N /N ]      [ N ]     [ N ]      [ N ]      [ N ]
```

RECOMMENDATIONS: (If different from NASA)

```
          [   /   ]    [    ]    [    ]    [    ]       [    ]
                                                     (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                        INADEQUATE   [   ]
REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL TANK ISOLATION VALVE 1/2 DIODES
RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12086X-12101X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1433   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1433
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[F]	[P]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL TANK ISOLATION VALVE 1/2 DIODES
RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12086X-12101X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1434
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1434
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL TANK ISOLATION VALVE 3/4/5
DIODES RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12107X-
12124X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1435
NASA FMEA #:

NASA DATA:
  BASELINE [   ]
     NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1435
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                           ADEQUATE   [   ]
                         INADEQUATE [   ]

REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL TANK ISOLATION VALVE 3/4/5
DIODES RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12107X-
12124X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1436   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1436
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

                CRITICALITY   REDUNDANCY SCREENS   CIL
                  FLIGHT   ITEM
                 HDW/FUNC   A   B   C

       NASA   [/   ]   [   ]   [   ]   [   ]   [   ] *
        IOA   [3 /1R]   [F]   [P]   [P]   [X]

  COMPARE   [N /N]   [N]   [N]   [N]   [N]

RECOMMENDATIONS: (If different from NASA)

           [/   ]   [   ]   [   ]   [   ]   [   ]
                                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                          INADEQUATE   [   ]

REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL TANK ISOLATION VALVE 3/4/5
DIODES RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12107X-
12124X.

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1437   NASA DATA:
NASA FMEA #:   BASELINE [   ]
                                                       NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1437
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[F]	[P]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                              ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
LEFT AND RIGHT OXIDIZER AND FUEL TANK ISOLATION VALVE 3/4/5
DIODES RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12107X-
12124X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1438
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1438
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL TANK ISOLATION VALVE 3/4/5
DIODES RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12107X-
12124X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1439
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1439
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL TANK ISOLATION VALVE 3/4/5
DIODES RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12107X-
12124X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1440   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1440
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[F]	[P]	[P]	[X] *
IOA	[3 /1R]				
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

         [/]   [ ]   [ ]   [ ]   [ ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE   [   ]
                                                 INADEQUATE [   ]

REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL TANK ISOLATION VALVE 3/4/5
DIODES RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12107X-
12124X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1441
NASA FMEA #:

NASA DATA:
  BASELINE [   ]
       NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1441
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[2 /1R]	[F]	[P]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

    [/   ]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]
REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL TANK ISOLATION VALVE 3/4/5
DIODES RE-ANALYZED BY IOA.   SEE ASSESSMENT IDs ARCS 12107X-
12124X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1442
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1442
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[F]	[P]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [   ]
                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                              ADEQUATE   [   ]
                              INADEQUATE [   ]

REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 1/2 DIODES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12130X-12145X.

REPORT DATE 2/26/88   C-1623

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1443
NASA FMEA #:

NASA DATA:
  BASELINE [   ]
      NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1443
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[F]	[P]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                     ADEQUATE   [   ]
                                     INADEQUATE [   ]
REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 1/2 DIODES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12130X-12145X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1444
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1444
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[F]	[P]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 3/4/5 DIODES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12151X-12166X.

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1445   NASA DATA:
NASA FMEA #:   BASELINE [   ]
                                                       NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1445
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[F]	[P]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

           [/   ]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                           ADEQUATE   [   ]
                                           INADEQUATE [   ]
REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 3/4/5 DIODES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12151X-12166X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1446   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1446
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

```
                CRITICALITY      REDUNDANCY SCREENS          CIL
                   FLIGHT                                    ITEM
                  HDW/FUNC       A        B        C

        NASA   [   /   ]      [   ]    [   ]    [   ]      [   ] *
        IOA    [ 3 /2R ]      [ F ]    [ P ]    [ P ]      [ X ]

COMPARE        [ N /N  ]      [ N ]    [ N ]    [ N ]      [ N ]
```

RECOMMENDATIONS: (If different from NASA)

```
            [   /   ]      [   ]    [   ]    [   ]          [   ]
                                                       (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
AFT MANIFOLD 1, LEFT AND RIGHT, FUEL AND OXIDIZER MCA #2 DIODES
RE-ANALYZED BY IOA.   SEE ASSESSMENT IDs ARCS 12192X-12207X.

REPORT DATE 2/26/88   C-1627

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1447   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1447
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
AFT MANIFOLD 1, LEFT AND RIGHT, FUEL AND OXIDIZER MCA #2 DIODES
RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12192X-12207X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1448
NASA FMEA #:   05-6KA-2269-1

NASA DATA:
  BASELINE [ ]
       NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1448
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [ ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                   ADEQUATE   [ ]
                                   INADEQUATE [ ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
FALSELY FAILING THE VALVES CLOSED. NOTE: DIODES INCORRECTLY
DRAWN ON VS70-943099 SHEET 44 FOR THE AFT RIGHT MANIFOLD
ISOLATION VALVE.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

REPORT DATE 2/26/88   C-1629

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1449
NASA FMEA #:   05-6KA-2269-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1449
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA. NOTE: DIODES INCORRECTLY DRAWN ON
VS70-943099 SHEET 44 FOR THE AFT RIGHT MANIFOLD ISOLATION VALVE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1450   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1450
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

                                                              CIL
          CRITICALITY   REDUNDANCY SCREENS   ITEM
            FLIGHT
           HDW/FUNC   A   B   C

   NASA   [/   ]   [   ]   [   ]   [   ]   [   ] *
    IOA   [3 /2R]   [F]   [P]   [P]   [X]

COMPARE   [N /N]   [N]   [N]   [N]   [N]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                          INADEQUATE   [   ]

REMARKS:
AFT MANIFOLD 2, LEFT AND RIGHT, FUEL AND OXIDIZER MCA #2 DIODES
RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12208X-12223X.

REPORT DATE 2/26/88   C-1631

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1451
NASA FMEA #:

NASA DATA:
  BASELINE [   ]
       NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1451
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

| | CRITICALITY FLIGHT HDW/FUNC | REDUNDANCY SCREENS | | | CIL ITEM |
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                             (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                        ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
AFT MANIFOLD 2, LEFT AND RIGHT, FUEL AND OXIDIZER MCA #2 DIODES
RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12208X-12223X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1452
NASA FMEA #: 05-6KA-2269-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1452
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
FALSELY FAILING THE VALVES CLOSED. NOTE: DIODES INCORRECTLY
DRAWN ON VS70-943099 SHEET 44 FOR THE AFT RIGHT MANIFOLD
ISOLATION VALVE.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1453
NASA FMEA #:   05-6KA-2269-2

NASA DATA:
BASELINE [ ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1453
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA. NOTE: DIODES INCORRECTLY DRAWN ON
VS70-943099 SHEET 44 FOR THE AFT RIGHT MANIFOLD ISOLATION VALVE.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1454   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1454
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[F]	[P]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
AFT MANIFOLD 3, LEFT AND RIGHT, FUEL AND OXIDIZER MCA #3 DIODES
RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12224X-12239X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1455   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1455
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

         [/]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
AFT MANIFOLD 3, LEFT AND RIGHT, FUEL AND OXIDIZER MCA #3 DIODES
RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12224X-12239X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1456
NASA FMEA #: 05-6KA-2269-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1456
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [ ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [ ]
INADEQUATE [ ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATION.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1457   NASA DATA:
NASA FMEA #:   05-6KA-2269-2   BASELINE [   ]
                                                  NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1457
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

                CRITICALITY   REDUNDANCY SCREENS
                  FLIGHT   CIL
                 HDW/FUNC   A   B   C   ITEM

        NASA [3 /1R]   [P]   [P]   [P]
         IOA [3 /3]   [   ]   [   ]   [   ]   [   ] *
                                                           [   ]
     COMPARE [/N]   [N]   [N]   [N]
                                                           [   ]

RECOMMENDATIONS: (If different from NASA)

              [/   ]   [   ]   [   ]   [   ]
                                                      [   ]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1458   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1458
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[F]	[P]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

            [/]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
AFT MANIFOLD 4, LEFT AND RIGHT, OXIDIZER AND FUEL ISOLATION VALVE
MCA #3 DIODES RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS
12240X-12255X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1459   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1459
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

            [/]   [ ]   [ ]   [ ]   [ ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
AFT MANIFOLD 4, LEFT AND RIGHT, OXIDIZER AND FUEL ISOLATION VALVE
MCA #3 DIODES RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS
12240X-12255X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1460   BASELINE [   ]
NASA FMEA #:   05-6KA-2269-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1460
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATION.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1461
NASA FMEA #: 05-6KA-2269-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1461
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1462   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1462
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                ADEQUATE   [   ]
                                INADEQUATE [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

REPORT DATE 2/26/88   C-1643

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1463   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1463
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

```
             CRITICALITY        REDUNDANCY SCREENS           CIL
                FLIGHT                                        ITEM
              HDW/FUNC         A         B         C

    NASA    [   /   ]      [   ]     [   ]     [   ]      [   ] *
    IOA     [ 3 /3  ]      [   ]     [   ]     [   ]      [   ]

COMPARE     [ N /N  ]      [   ]     [   ]     [   ]      [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
            [   /   ]      [   ]     [   ]     [   ]       [   ]
                                                       (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY.   SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1464   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1464
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

              [/]   [ ]   [ ]   [ ]   [ ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1465   NASA DATA:
NASA FMEA #:   BASELINE [   ]
                                                   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1465
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

```
              CRITICALITY      REDUNDANCY SCREENS        CIL
                FLIGHT                                   ITEM
               HDW/FUNC        A        B        C

       NASA  [   /   ]      [   ]    [   ]    [   ]    [   ] *
       IOA   [ 3 /3  ]      [   ]    [   ]    [   ]    [   ]

COMPARE      [ N /N  ]      [   ]    [   ]    [   ]    [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
             [   /   ]      [   ]    [   ]    [   ]     [   ]
                                                      (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY.   SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1466   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1466
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

                                                        CIL
            CRITICALITY   REDUNDANCY SCREENS   ITEM
              FLIGHT
              HDW/FUNC   A   B   C

    NASA   [/   ]   [F]   [P]   [P]   [X] *
    IOA   [3 /2R]   [F]   [P]   [P]   [X]

COMPARE   [N /N]   [N]   [N]   [N]   [N]

RECOMMENDATIONS: (If different from NASA)

            [/   ]   [   ]   [   ]   [   ]   [   ]
                                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE   [   ]
                                           INADEQUATE   [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1467   NASA DATA:
NASA FMEA #:   BASELINE [   ]
                                              NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1467
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

           [/]   [ ]   [ ]   [ ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                        ADEQUATE   [   ]
REMARKS: INADEQUATE   [   ]
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1468   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1468
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [ ]   [ ]   [ ]   [ ]
                                             (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1469
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1469
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE   [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1470   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1470
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

                                                              CIL
             CRITICALITY   REDUNDANCY SCREENS   ITEM
               FLIGHT
               HDW/FUNC   A   B   C

    NASA   [/   ]   [   ]   [   ]   [   ]   [   ] *
     IOA   [3 /3]   [   ]   [   ]   [   ]   [   ]

COMPARE   [N /N]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

            [/   ]   [   ]   [   ]   [   ]   [   ]
                                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE   [   ]
                                             INADEQUATE   [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1471   NASA DATA:
NASA FMEA #:   BASELINE [   ]
                                              NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1471
ITEM: DIODE

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

         [/   ]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                          ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1472   BASELINE [   ]
NASA FMEA #:   05-6KA-2206-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1472
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

      [3 /2R]   [P]   [P]   [P]   [   ]
                                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                            INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1473   BASELINE [   ]
NASA FMEA #:   05-6KA-2206-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1473
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [   ]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                         INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1474
NASA FMEA #:   05-6KA-2206-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1474
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

| | CRITICALITY FLIGHT HDW/FUNC | REDUNDANCY SCREENS | | | CIL ITEM |
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1475   NASA DATA:
NASA FMEA #:   05-6KA-2206-2   BASELINE [ ]
                                                    NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1475
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]
                                                        [ ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                        ADEQUATE   [ ]
REMARKS: INADEQUATE [ ]
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1476
NASA FMEA #:   05-6KA-2207A-1

NASA DATA:
  BASELINE [   ]
  NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1476
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                              ADEQUATE   [   ]
                              INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1477   NASA DATA:
NASA FMEA #:   05-6KA-2207A-1   BASELINE [   ]
                                              NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1477
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1478
NASA FMEA #:   05-6KA-2207-1

NASA DATA:
   BASELINE [   ]
      NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1478
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

   [3 /2R]   [P]   [P]   [P]   [D]
                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                 ADEQUATE [   ]
                               INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE POSITION. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFOR, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1479   NASA DATA:
NASA FMEA #:   05-6KA-2207-2   BASELINE [   ]
                                        NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1479
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

            [3 /3]   [   ]   [   ]   [   ]   [D]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                         ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE POSITION. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFOR, THIS ISSUE REMAINS OPEN.

REPORT DATE 2/26/88   C-1660

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1480   BASELINE [   ]
NASA FMEA #:   05-6KA-2219-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1480
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [D]
                                           (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [   ]
                                      INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE POSITION. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1481   BASELINE [   ]
NASA FMEA #:   05-6KA-2219-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1481
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

            [3 /3]   [   ]   [   ]   [   ]   [D]
                                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                           ADEQUATE   [   ]
                                           INADEQUATE [   ]
REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. THIS FAILURE ALONE HAS NO
EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1482
NASA FMEA #: 05-6KA-2207A-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1482
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1483
NASA FMEA #:   05-6KA-2207A-1

NASA DATA:
BASELINE [   ]
    NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1483
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1484   BASELINE [   ]
NASA FMEA #:   05-6KA-2207-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1484
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [D]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE POSITION. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1485
NASA FMEA #:   05-6KA-2207-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1485
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [   ]   [   ]   [   ]   [D]
                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE POSITION. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1486   BASELINE [   ]
NASA FMEA #:   05-6KA-2219-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1486
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [D]
                                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE   [   ]
                                            INADEQUATE   [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE POSITION. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

REPORT DATE 2/26/88   C-1667

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1487   NASA DATA:
NASA FMEA #:   05-6KA-2219-2   BASELINE [   ]
                                                   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1487
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /3]	[ ]	[ ]	[ ]	[D]
				(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. THIS FAILURE ALONE HAS NO
EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

REPORT DATE 2/26/88   C-1668

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1488   BASELINE [   ]
NASA FMEA #:   05-6KA-2217-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1488
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

      [3 /2R]   [P]   [P]   [P]   [   ]
                                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1489   BASELINE [   ]
NASA FMEA #:   05-6KA-2217-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1489
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [   ]
                                                         (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                              ADEQUATE   [   ]
                                              INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1490   BASELINE [   ]
NASA FMEA #:   05-6KA-2217-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1490
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
            CRITICALITY      REDUNDANCY SCREENS          CIL
              FLIGHT                                     ITEM
             HDW/FUNC       A        B        C

   NASA    [ 3 /3 ]      [   ]   [   ]    [   ]       [   ] *
    IOA    [ 3 /3 ]      [   ]   [   ]    [   ]       [   ]

COMPARE    [   /   ]     [   ]   [   ]    [   ]       [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
           [ 3 /2R ]     [ P ]   [ P ]    [ P ]        [   ]
                                                    (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1491
NASA FMEA #:   05-6KA-2217-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1491
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1492   BASELINE [   ]
NASA FMEA #:   05-6KA-2217-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1492
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
            CRITICALITY    REDUNDANCY SCREENS          CIL
               FLIGHT                                  ITEM
              HDW/FUNC     A        B        C

     NASA   [ 3 /3 ]    [    ]   [    ]   [    ]     [    ] *
     IOA    [ 3 /3 ]    [    ]   [    ]   [    ]     [    ]

COMPARE    [   /   ]    [    ]   [    ]   [    ]     [    ]
```

RECOMMENDATIONS: (If different from NASA)

```
        [ 3 /2R ]      [ P ]    [ P ]    [ P ]       [    ]
                                                  (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                         INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1493
NASA FMEA #: 05-6KA-2217-2

NASA DATA:
  BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1493
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                     ADEQUATE [   ]
                   INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1494   BASELINE [   ]
NASA FMEA #:   05-6KA-2217-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1494
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [   ]
                                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1495   BASELINE [   ]
NASA FMEA #:   05-6KA-2217-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1495
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

     [3 /2R]   [P]   [P]   [P]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1496   BASELINE [   ]
NASA FMEA #:   05-6KA-2208-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1496
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

       [3 /2R]   [P]   [P]   [P]   [D]
                                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE STATUS. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

REPORT DATE 2/26/88   C-1677

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1497
NASA FMEA #:   05-6KA-2208-2

NASA DATA:
  BASELINE [   ]
      NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1497
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                        ADEQUATE   [   ]
                                      INADEQUATE   [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1498
NASA FMEA #:   05-6KA-2208-1

NASA DATA:
BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1498
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [D]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                              ADEQUATE   [   ]
                              INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE STATUS. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1499
NASA FMEA #:   05-6KA-2208-2

NASA DATA:
BASELINE [　]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1499
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [　]
INADEQUATE [　]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1500
NASA FMEA #: 05-6KA-2208-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1500
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [D]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE STATUS. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1501
NASA FMEA #: 05-6KA-2208-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1501
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1502   BASELINE [   ]
NASA FMEA #:   05-6KA-2208-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1502
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

     [3 /2R]   [P]   [P]   [P]   [D]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                            INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE STATUS. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

REPORT DATE 2/26/88   C-1683

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1503
NASA FMEA #:   05-6KA-2208-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1503
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1504
NASA FMEA #: 05-6KA-2208-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1504
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /2R] [P] [P] [P] [D]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [   ]
INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE STATUS. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1505
NASA FMEA #:   05-6KA-2208-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1505
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1506
NASA FMEA #:   05-6KA-2208-1

NASA DATA:
    BASELINE [   ]
        NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1506
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [D]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                              ADEQUATE   [   ]
                              INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE STATUS. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1507   NASA DATA:
NASA FMEA #:   05-6KA-2208-2   BASELINE [   ]
                                                    NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1507
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	
IOA	[3 /1R]	[P]	[F]	[P]	[X] *
COMPARE	[/]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

          [/]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                        INADEQUATE   [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1508   BASELINE [   ]
NASA FMEA #:   05-6KA-2208-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1508
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [D]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                           ADEQUATE   [   ]
                                           INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE STATUS. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1509
NASA FMEA #:   05-6KA-2208-2

NASA DATA:
  BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1509
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[P]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                       ADEQUATE   [   ]
                     INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

C - 4

ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1510
NASA FMEA #:   05-6KA-2208-1

NASA DATA:
BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1510
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [D]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE STATUS. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1511
NASA FMEA #:   05-6KA-2208-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1511
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	
IOA	[3 /1R]	[P]	[F]	[P]	[X] *
COMPARE	[/]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

REPORT DATE 2/26/88   C-1692

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1512   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1512
ITEM: DRIVER, HYBRID

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                           (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE   [   ]
                                              INADEQUATE [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1513   NASA DATA:
NASA FMEA #:   BASELINE [   ]
                                                      NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1513
ITEM: DRIVER, HYBRID

LEAD ANALYST:

ASSESSMENT:

              CRITICALITY   REDUNDANCY SCREENS
                FLIGHT   CIL
               HDW/FUNC   A   B   C   ITEM

      NASA   [/   ]   [   ]   [   ]   [   ]
      IOA   [3 /2R]   [P]   [F]   [P]   [X] *

COMPARE   [N /N]   [N]   [N]   [N]   [N]

RECOMMENDATIONS: (If different from NASA)

            [/   ]   [   ]   [   ]   [   ]
                                                           [   ]
                                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                            ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

REPORT DATE 2/26/88   C-1694

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:

ASSESSMENT ID: ARCS-1514

NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1514
ITEM: DRIVER, HYBRID

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [   ]
INADEQUATE [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1515   NASA DATA:
NASA FMEA #:   BASELINE [   ]
                                           NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1515
ITEM: DRIVER, HYBRID

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]				
IOA	[3 /2R]	[F]	[F]	[P]	[X] *
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

         [/   ]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1516   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1516
ITEM: DRIVER, HYBRID

LEAD ANALYST:

ASSESSMENT:

```
           CRITICALITY      REDUNDANCY SCREENS          CIL
             FLIGHT                                     ITEM
            HDW/FUNC         A         B        C

    NASA   [   /   ]       [   ]     [   ]    [   ]     [   ] *
     IOA   [ 3 /2R ]       [ P ]     [ P ]    [ P ]     [   ]

 COMPARE   [ N /N  ]       [ N ]     [ N ]    [ N ]     [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
           [   /   ]       [   ]     [   ]    [   ]     [   ]
                                                       (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1517   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1517
ITEM: DRIVER, HYBRID

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1518
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1518
ITEM: DRIVER, HYBRID

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1519   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1519
ITEM: DRIVER, HYBRID

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

    [/]   [ ]   [ ]   [ ]   [ ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1520   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1520
ITEM: DRIVER, HYBRID

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1521
NASA FMEA #:

NASA DATA:
  BASELINE [   ]
      NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1521
ITEM: DRIVER, HYBRID

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

    [/]   [   ]   [   ]   [   ]   [   ]
                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                  ADEQUATE   [   ]
                                 INADEQUATE [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1522   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1522
ITEM: DRIVER, HYBRID

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1523   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1523
ITEM: DRIVER, HYBRID

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY.   SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1524   BASELINE [   ]
NASA FMEA #:   05-6KA-2003-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1524
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

             CRITICALITY   REDUNDANCY SCREENS   CIL
               FLIGHT   ITEM
             HDW/FUNC   A   B   C

    NASA   [3 /1R]   [P]   [P]   [P]   [   ] *
    IOA   [3 /2R]   [P]   [P]   [P]   [   ]

COMPARE   [/N]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

           [/   ]   [   ]   [   ]   [   ]   [   ]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1525
NASA FMEA #:   05-6KA-2003-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1525
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                         (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1526   BASELINE [   ]
NASA FMEA #:   05-6KA-2004-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1526
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
            CRITICALITY    REDUNDANCY SCREENS        CIL
               FLIGHT                                ITEM
              HDW/FUNC     A        B        C

      NASA  [ 3 /1R ]    [ P ]    [ P ]    [ P ]    [   ] *
      IOA   [ 3 /1R ]    [ P ]    [ P ]    [ P ]    [   ]

  COMPARE   [   /   ]    [   ]    [   ]    [   ]    [   ]
```

RECOMMENDATIONS: (If different from NASA)

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            [   /   ]    [   ]    [   ]    [   ]      [   ]
                                                  (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                  INADEQUATE   [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1527
NASA FMEA #:   05-6KA-2004-1

NASA DATA:
  BASELINE [   ]
       NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1527
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

      [/]   [   ]   [   ]   [   ]   [   ]
                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1528   BASELINE [   ]
NASA FMEA #:   05-6KA-2016-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1528
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                     ADEQUATE   [   ]
                                     INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1529   NASA DATA:
NASA FMEA #:   05-6KA-2016-1   BASELINE [   ]
                                        NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1529
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [   ]
                                    INADEQUATE   [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1530   BASELINE [   ]
NASA FMEA #:   05-6KA-2016-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1530
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

     [/]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [   ]
                                    INADEQUATE   [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1531   BASELINE [   ]
NASA FMEA #:   05-6KA-2014-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1531
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [   ]
                                    INADEQUATE   [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1532   BASELINE [   ]
NASA FMEA #:   05-6KA-2014-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1532
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1533   BASELINE [   ]
NASA FMEA #:   05-6KA-2014-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1533
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1534
NASA FMEA #:   05-6KA-2014-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1534
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1535
NASA FMEA #:   05-6KA-2005-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1535
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1536   BASELINE [   ]
NASA FMEA #:   05-6KA-2005-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1536
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
          CRITICALITY      REDUNDANCY SCREENS          CIL
            FLIGHT                                      ITEM
           HDW/FUNC      A         B         C

   NASA  [ 3 /1R ]    [ P ]     [ P ]     [ P ]      [   ] *
    IOA  [ 3 /1R ]    [ P ]     [ P ]     [ P ]      [   ]

COMPARE  [   /   ]    [   ]     [   ]     [   ]      [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
          [   /   ]    [   ]    [   ]    [   ]        [   ]
                                                   (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                       ADEQUATE   [   ]
                                     INADEQUATE   [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1537   BASELINE [   ]
NASA FMEA #:   05-6KA-2005-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1537
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

         [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

REPORT DATE 2/26/88   C-1718

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1538   BASELINE [   ]
NASA FMEA #:   05-6KA-2005-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1538
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE   [   ]
                                              INADEQUATE   [   ]

REMARKS:
NO DIFFERENCES.

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1539
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1539
ITEM: FUSE, 1A

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1540   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1540
ITEM: FUSE, 1A

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1541   BASELINE [   ]
NASA FMEA #:   05-6KA-2136-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1541
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

          [/]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [   ]
                                      INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

REPORT DATE 2/26/88   C-1722

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1542
NASA FMEA #:   05-6KA-2136-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1542
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[X]
COMPARE	[N /N]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[2 /2]   [   ]   [   ]   [   ]   [X]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE   [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE CAUSES
INABILITY TO CLOSE THE 1/2 VALVE. THIS PREVENTS CROSSFEED
CAPABILITY THUS LOSS OF MISSION OPERATIONS. INABILITY TO
CROSSFEED MAY CAUSE INCOMPLETE OMS ABORT DUMP.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1543
NASA FMEA #:   05-6KA-2136-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1543
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	
IOA	[3 /1R]	[P]	[F]	[P]	[X] *
COMPARE	[/]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1544   BASELINE [   ]
NASA FMEA #:   05-6KA-2136-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1544
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[X]
COMPARE	[N /N]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[2 /2]	[ ]	[ ]	[ ]	[X]
				(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE CAUSES
INABILITY TO CLOSE THE 1/2 VALVE. THIS PREVENTS CROSSFEED
CAPABILITY THUS LOSS OF MISSION OPERATIONS. INABILITY TO
CROSSFEED MAY CAUSE INCOMPLETE OMS ABORT DUMP.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1545
NASA FMEA #:   05-6KA-2126-1

NASA DATA:
BASELINE [   ]
    NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1545
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[2 /2]   [   ]   [   ]   [   ]   [A]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
LOSE CAPABILITY TO CLOSE VALVE. THIS PREVENTS CROSSFEED
OPERATIONS THUS LOSS OF MISSION. INABILITY TO CROSSFEED DURING
AN RTLS/TAL ABORT MAY CAUSE INCOMPLETE OMS ABORT DUMP.

ISSUE NOT RESOLVED AT MEETING WITH THE SUBSYSTEM MANAGER ON
1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1546
NASA FMEA #:   05-6KA-2126-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1546
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [   ]   [   ]   [   ]   [D]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE ALONE HAS NO
EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1547   NASA DATA:
NASA FMEA #:   05-6KA-2126-1   BASELINE [   ]
                                              NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1547
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

              CRITICALITY   REDUNDANCY SCREENS   CIL
                FLIGHT   ITEM
               HDW/FUNC   A   B   C

      NASA   [3 /1R]   [P]   [P]   [P]
      IOA   [3 /2R]   [P]   [F]   [P]   [   ] *
                                                             [X]
COMPARE   [/N]   [   ]   [N]   [   ]   [N]

RECOMMENDATIONS: (If different from NASA)

          [2 /2]   [   ]   [   ]   [   ]   [A]
                                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                              ADEQUATE   [   ]
                                              INADEQUATE [   ]
REMARKS:
LOSE CAPABILITY TO CLOSE VALVE. THIS PREVENTS CROSSFEED
OPERATIONS THUS LOSS OF MISSION. INABILITY TO CROSSFEED DURING
AN RTLS/TAL ABORT MAY CAUSE INCOMPLETE OMS ABORT DUMP.

ISSUE NOT RESOLVED AT MEETING WITH THE SUBSYSTEM MANAGER ON
1/20/88.

REPORT DATE 2/26/88   C-1728

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1548   BASELINE [   ]
NASA FMEA #:   05-6KA-2126-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1548
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

                CRITICALITY   REDUNDANCY SCREENS   CIL
                   FLIGHT   ITEM
                  HDW/FUNC   A   B   C

        NASA   [3 /1R]   [P]   [F]   [P]   [X] *
         IOA   [3 /1R]   [P]   [F]   [P]   [X]

COMPARE   [/   ]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

                [3 /3]   [   ]   [   ]   [   ]   [D]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                        INADEQUATE   [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE ALONE HAS NO
EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1549   NASA DATA:
NASA FMEA #:   05-6KA-2137-1   BASELINE [   ]
                                                     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1549
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

              CRITICALITY   REDUNDANCY SCREENS   CIL
                 FLIGHT   ITEM
               HDW/FUNC   A   B   C

       NASA [3 /1R]   [P]   [P]   [P]   [   ] *
       IOA   [3 /1R]   [P]   [F]   [P]   [X]

COMPARE   [/   ]   [   ]   [N]   [   ]   [N]

RECOMMENDATIONS: (If different from NASA)

            [/   ]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1550
NASA FMEA #: 05-6KA-2137-2

NASA DATA:
BASELINE [　]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1550
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

| | CRITICALITY FLIGHT HDW/FUNC | REDUNDANCY SCREENS | | | CIL ITEM |
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /2]	[　]	[　]	[　]	[X]
COMPARE	[　/N]	[N]	[N]	[N]	[　]

RECOMMENDATIONS: (If different from NASA)

[3 /1R]　　[P]　　[F]　　[P]　　[X]
　　　　　　　　　　　　　　　　　　　(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [　]
INADEQUATE [　]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE CAUSES THE
INABILITY TO CLOSE 3/4/5 VALVE. THIS PREVENTS CROSSFEED
CAPABILITY THUS LOSS OF MISSION OPERATIONS. INABILITY TO
CROSSFEED DURING RTLS/TAL MAY CAUSE INCOMPLETE OMS ABORT DUMP.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1551
NASA FMEA #:   05-6KA-2127-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1551
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /2]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[2 /1R]   [P]   [P]   [P]   [X]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [ ]
INADEQUATE [ ]

REMARKS:
DISAGREE WITH BOTH. INABILITY TO CLOSE VALVE PREVENTS ISOLATION
OF A LEAK.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1552
NASA FMEA #:   05-6KA-2127-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1552
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /1R]   [P]   [F]   [P]   [X]
                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE   [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE WILL CLOSE
THE VALVE AND CAUSE INABILITY TO RE-OPEN IT. REDUNDANCY PROVIDED
BY SECOND LEG OF 3/4/5 AND CROSSFEED LEG. LOSS OF ALL REDUNDANCY
PREVENTS PROPELLANTS TO BE EXPELLED TO MEET LANDING
WEIGHT CONSTRAINTS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1553   BASELINE [   ]
NASA FMEA #:   05-6KA-2137-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1553
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[x] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                              ADEQUATE   [   ]
                                            INADEQUATE   [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1554   BASELINE [   ]
NASA FMEA #:   05-6KA-2137-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1554
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

    [3 /1R]   [P]   [F]   [P]   [X]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                           ADEQUATE   [   ]
                                         INADEQUATE   [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE CAUSES THE
INABILITY TO CLOSE 3/4/5 VALVE. THIS PREVENTS CROSSFEED
CAPABILITY THUS LOSS OF MISSION OPERATIONS. INABILITY TO
CROSSFEED DURING RTLS/TAL MAY CAUSE INCOMPLETE OMS ABORT DUMP.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

REPORT DATE 2/26/88   C-1735

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1555   BASELINE [   ]
NASA FMEA #:   05-6KA-2127-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1555
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /2]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [2 /1R]   [P]   [P]   [P]   [X]
                                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
DISAGREE WITH BOTH. INABILITY TO CLOSE VALVE PREVENTS ISOLATION
OF A LEAK.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1556   BASELINE [   ]
NASA FMEA #:   05-6KA-2127-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1556
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[P]	[P]	[X]
COMPARE	[N /]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /1R]   [P]   [F]   [P]   [X]
                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                               ADEQUATE   [   ]
                               INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE WILL CLOSE
THE VALVE AND CAUSE INABILITY TO RE-OPEN IT. REDUNDANCY PROVIDED
BY SECOND LEG OF 3/4/5 AND CROSSFEED LEG. LOSS OF ALL REDUNDANCY
PREVENTS PROPELLANTS TO BE EXPELLED TO MEET LANDING
WEIGHT CONSTRAINTS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1557
NASA FMEA #: 05-6KA-2133-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1557
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [D]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. FAILURE CAUSES INABILITY
TO CROSSFEED WITH THE GPC. REDUNDANCY PROVIDED WITH SWITCH AND
OTHER GPC COMMANDS. LOSS OF ALL REDUNDANCY CAUSES INABILITY TO
CROSSFEED, THUS LOSS OF MISSION.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1558   NASA DATA:
NASA FMEA #:   05-6KA-2133-2   BASELINE [   ]
                                                  NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1558
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

    [3 /1R]   [P]   [NA]   [P]   [D]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                              ADEQUATE   [   ]
                                              INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. LOSE CAPABILITY TO CLOSE
THE VALVE TO ISOLATE A THRUSTER LEAK. NOTE: NASA FMEA
INCORRECTLY IDENTIFIES RELAY 56V76A116K44. IT SHOULD BE
56V76A116K46.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1559   BASELINE [   ]
NASA FMEA #:   05-6KA-2133-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1559
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [3 /2R]   [P]   [P]   [P]   [D]
                                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                            INADEQUATE [   ]
REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. FAILURE CAUSES INABILITY
TO CROSSFEED WITH THE GPC. REDUNDANCY PROVIDED WITH SWITCH AND
OTHER GPC COMMANDS. LOSS OF ALL REDUNDANCY CAUSES INABILITY TO
CROSSFEED, THUS LOSS OF MISSION.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1560   BASELINE [   ]
NASA FMEA #:   05-6KA-2133-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1560
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

     [3 /1R]   [P]   [NA]   [P]   [D]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. LOSE CAPABILITY TO CLOSE
THE VALVE TO ISOLATE A THRUSTER LEAK.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1561   BASELINE [   ]
NASA FMEA #:   05-6KA-2132-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1561
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1562   BASELINE [   ]
NASA FMEA #:   05-6KA-2132-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1562
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

          [3 /3]   [   ]   [   ]   [   ]   [D]
                                                 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE ALONE HAS NO
EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

REPORT DATE 2/26/88   C-1743

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1563
NASA FMEA #:   05-6KA-2132-1

NASA DATA:
  BASELINE [   ]
       NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1563
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1564   BASELINE [   ]
NASA FMEA #:   05-6KA-2132-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1564
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

      [3 /3]   [   ]   [   ]   [   ]   [D]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [   ]
                                      INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE ALONE HAS NO
EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1565
NASA FMEA #:   05-6KA-2133-1

NASA DATA:
  BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1565
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [D]
                                               (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. FAILURE CAUSES INABILITY
TO CROSSFEED WITH THE GPC. REDUNDANCY PROVIDED WITH SWITCH AND
OTHER GPC COMMANDS. LOSS OF ALL REDUNDANCY CAUSES INABILITY TO
CROSSFEED, THUS LOSS OF MISSION.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1566   BASELINE [   ]
NASA FMEA #:   05-6KA-2133-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1566
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
          CRITICALITY      REDUNDANCY SCREENS         CIL
            FLIGHT                                    ITEM
          HDW/FUNC        A         B         C

   NASA  [ 2 /1R ]      [ P ]     [ F ]     [ P ]    [ X ] *
    IOA  [ 2 /2 ]       [   ]     [   ]     [   ]    [ X ]

COMPARE  [   /N ]       [ N ]     [ N ]     [ N ]    [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
         [ 3 /1R ]      [ P ]     [ NA]     [ P ]       [ D ]
                                                     (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. LOSE CAPABILITY TO CLOSE
THE VALVE TO ISOLATE A THRUSTER LEAK.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1567   BASELINE [   ]
NASA FMEA #:   05-6KA-2133-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1567
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[N]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [D]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                             ADEQUATE   [   ]
                                           INADEQUATE   [   ]
REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. FAILURE CAUSES INABILITY
TO CROSSFEED WITH THE GPC. REDUNDANCY PROVIDED WITH SWITCH AND
OTHER GPC COMMANDS. LOSS OF ALL REDUNDANCY CAUSES INABILITY TO
CROSSFEED, THUS LOSS OF MISSION.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1568
NASA FMEA #: 05-6KA-2133-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1568
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /1R]   [P]   [NA]   [P]   [D]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [   ]
INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. LOSE CAPABILITY TO CLOSE
THE VALVE TO ISOLATE A THRUSTER LEAK.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1569
NASA FMEA #:   05-6KA-2132-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1569
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	
IOA	[2 /2]	[ ]	[ ]	[ ]	[X] *
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1570   BASELINE [   ]
NASA FMEA #:   05-6KA-2132-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1570
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

| | CRITICALITY FLIGHT HDW/FUNC | REDUNDANCY SCREENS | | | CIL ITEM |
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

          [3 /3]   [   ]   [   ]   [   ]   [D]
                                                 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE ALONE HAS NO
EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1571   BASELINE [   ]
NASA FMEA #:   05-6KA-2132-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1571
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                        INADEQUATE   [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1572   NASA DATA:
NASA FMEA #:   05-6KA-2132-2   BASELINE [   ]
                                                   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1572
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

        [3 /3]   [   ]   [   ]   [   ]   [D]
                                                 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                         INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE ALONE HAS NO
EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1573
NASA FMEA #:   05-6KA-2128A-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1573
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1574
NASA FMEA #: 05-6KA-2128A-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1574
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R]   [P]   [NA]   [P]   [D]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. WITH RELAY FAILED HIGH,
LOSE CAPABILITY TO CLOSE VALVE. THIS, COUPLED WITH THE LOSS OF
ALL HARDWARE REDUNDANCY, MAY PREVENT ISOLATION OF A THRUSTER
LEAK.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

REPORT DATE 2/26/88   C-1755

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1575   NASA DATA:
NASA FMEA #:   05-6KA-2128-1   BASELINE [   ]
                                             NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1575
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

         [/   ]   [   ]   [   ]   [   ]   [   ]
                                                 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                      ADEQUATE   [   ]
                                      INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

REPORT DATE 2/26/88   C-1756

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1576   BASELINE [   ]
NASA FMEA #:   05-6KA-2128-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1576
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
              CRITICALITY      REDUNDANCY SCREENS           CIL
                FLIGHT                                      ITEM
              HDW/FUNC      A         B         C

     NASA   [ 2 /1R ]    [ P ]     [ F ]     [ P ]      [ X ] *
     IOA    [ 3 /1R ]    [ P ]     [ P ]     [ P ]      [   ]

COMPARE     [ N /   ]    [   ]     [ N ]     [   ]      [ N ]
```

RECOMMENDATIONS: (If different from NASA)

```
          [ 3 /1R ]     [ P ]     [ P ]     [ P ]          [ D ]
                                                        (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE WILL CLOSE
THE VALVE AND CAUSE INABILITY TO RE-OPEN IT CAUSING LOSS OF JETS.
REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY PREVENTS PROPELLANTS
TO BE EXPELLED TO MEET LANDING WEIGHT CONSTRAINTS.
LOSS OF MANIFOLD THRUSTERS DURING RTLS/TAL ABORT COULD RESULT IN
INABILITY TO COMPLETE A PROPELLANT DUMP (1/1 ABORT)

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1577   BASELINE [   ]
NASA FMEA #:   05-6KA-2128A-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1577
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                        INADEQUATE   [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1578
NASA FMEA #: 05-6KA-2128A-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1578
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R]   [P]   [NA]   [P]   [D]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. WITH RELAY FAILED HIGH,
LOSE CAPABILITY TO CLOSE VALVE. THIS, COUPLED WITH THE LOSS OF
ALL HARDWARE REDUNDANCY, MAY PREVENT ISOLATION OF A THRUSTER
LEAK.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1579
NASA FMEA #:   05-6KA-2128-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1579
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

| | CRITICALITY FLIGHT HDW/FUNC | REDUNDANCY SCREENS | | | CIL ITEM |
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                         (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1580
NASA FMEA #:   05-6KA-2128-2

NASA DATA:
    BASELINE [   ]
        NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1580
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

    [3 /1R]   [P]   [P]   [P]   [D]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE WILL CLOSE
THE VALVE AND CAUSE INABILITY TO RE-OPEN IT CAUSING LOSS OF JETS.
REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY PREVENTS PROPELLANTS
TO BE EXPELLED TO MEET LANDING WEIGHT CONSTRAINTS.
LOSS OF MANIFOLD THRUSTERS DURING RTLS/TAL ABORT COULD RESULT IN
INABILITY TO COMPLETE A PROPELLANT DUMP (1/1 ABORT)

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1581
NASA FMEA #:   05-6KA-2128A-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1581
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1582
NASA FMEA #:   05-6KA-2128A-2

NASA DATA:
  BASELINE [   ]
  NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1582
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R]   [P]   [NA]   [P]   [D]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                            ADEQUATE   [   ]
                            INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. WITH RELAY FAILED HIGH,
LOSE CAPABILITY TO CLOSE VALVE. THIS, COUPLED WITH THE LOSS OF
ALL HARDWARE REDUNDANCY, MAY PREVENT ISOLATION OF A THRUSTER
LEAK.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1583
NASA FMEA #: 05-6KA-2128-1

NASA DATA:
  BASELINE [   ]
       NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1583
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                             (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                    ADEQUATE   [   ]
REMARKS: INADEQUATE   [   ]
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1584   BASELINE [   ]
NASA FMEA #:   05-6KA-2128-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1584
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
            CRITICALITY    REDUNDANCY SCREENS          CIL
               FLIGHT                                  ITEM
              HDW/FUNC     A        B        C

    NASA    [ 2 /1R ]    [ P ]    [ F ]    [ P ]     [ X ] *
    IOA     [ 3 /1R ]    [ P ]    [ P ]    [ P ]     [   ]

COMPARE     [ N /   ]    [   ]    [ N ]    [   ]     [ N ]
```

RECOMMENDATIONS: (If different from NASA)

```
        [ 3 /1R ]     [ P ]    [ P ]    [ P ]        [ D ]
                                                 (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE   [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE WILL CLOSE
THE VALVE AND CAUSE INABILITY TO RE-OPEN IT CAUSING LOSS OF JETS.
REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY PREVENTS PROPELLANTS
TO BE EXPELLED TO MEET LANDING WEIGHT CONSTRAINTS.
LOSS OF MANIFOLD THRUSTERS DURING RTLS/TAL ABORT COULD RESULT IN
INABILITY TO COMPLETE A PROPELLANT DUMP (1/1 ABORT)

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1585   BASELINE [   ]
NASA FMEA #:   05-6KA-2128-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1585
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[/]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

           [/   ]   [   ]   [   ]   [   ]   [   ]
                                                 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1586   NASA DATA:
NASA FMEA #:   05-6KA-2128-2   BASELINE [   ]
                                                 NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1586
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

   [3 /1R]   [P]   [P]   [P]   [D]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE WILL CLOSE
THE VALVE AND CAUSE INABILITY TO RE-OPEN IT CAUSING LOSS OF JETS.
REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY PREVENTS PROPELLANTS
TO BE EXPELLED TO MEET LANDING WEIGHT CONSTRAINTS.
LOSS OF MANIFOLD THRUSTERS DURING RTLS/TAL ABORT COULD RESULT IN
INABILITY TO COMPLETE A PROPELLANT DUMP (1/1 ABORT)

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1587   BASELINE [   ]
NASA FMEA #:   05-6KA-2128A-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1587
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
            CRITICALITY    REDUNDANCY SCREENS        CIL
               FLIGHT                                ITEM
              HDW/FUNC     A        B        C

     NASA   [ 3 /1R ]    [ P ]    [ P ]    [ P ]    [   ] *
     IOA    [ 3 /3  ]    [   ]    [   ]    [   ]    [   ]

  COMPARE   [   /N  ]    [ N ]    [ N ]    [ N ]    [   ]
```

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                               (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1588
NASA FMEA #:   05-6KA-2128A-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1588
ITEM: RELAY

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /1R]   [P]   [NA]   [P]   [D]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. WITH RELAY FAILED HIGH,
LOSE CAPABILITY TO CLOSE VALVE. THIS, COUPLED WITH THE LOSS OF
ALL HARDWARE REDUNDANCY, MAY PREVENT ISOLATION OF A THRUSTER
LEAK.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1589
NASA FMEA #:   05-6KA-2081-1

NASA DATA:
  BASELINE [   ]
       NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1589
ITEM: RESISTOR, 12K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1590
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1590
ITEM: RESISTOR, 12K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [   ]
INADEQUATE [   ]

REMARKS:
IOA INCORRECTLY IDENTIFIED THIS RESISTOR AS A FAILURE (FAILED SHORT). RLR TYPE RESISTORS CANNOT FAIL SHORT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1591   NASA DATA:
NASA FMEA #:   05-6KA-2081-1   BASELINE [   ]
                                                    NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1591
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]				
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
					[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [3 /2R]   [P]   [P]   [P]
                                                      [   ]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                              ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

REPORT DATE 2/26/88   C-1772

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1592   NASA DATA:
NASA FMEA #:   BASELINE [   ]
                                         NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1592
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                             (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
IOA INCORRECTLY IDENTIFIED THIS RESISTOR AS A FAILURE (FAILED
SHORT). RLR TYPE RESISTORS CANNOT FAIL SHORT.

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1593
NASA FMEA #:   05-6KA-2083-1

NASA DATA:
BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1593
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [D]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE POSITION. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1594   BASELINE [   ]
NASA FMEA #:   05-6KA-2083-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1594
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

                                                         CIL
              CRITICALITY   REDUNDANCY SCREENS   ITEM
                FLIGHT
                HDW/FUNC   A   B   C

                                                     [   ] *
       NASA [3 /3]   [   ]   [   ]   [   ]   [   ]
       IOA   [3 /3]   [   ]   [   ]   [   ]
                                                     [   ]
    COMPARE [/   ]   [   ]   [   ]   [   ]   [   ]

    RECOMMENDATIONS: (If different from NASA)

              [/   ]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

    * CIL RETENTION RATIONALE: (If applicable)
                                                ADEQUATE   [   ]
                                              INADEQUATE   [   ]

    REMARKS:
    NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1595
NASA FMEA #: 05-6KA-2083-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1595
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	
IOA	[3 /3]	[ ]	[ ]	[ ]	[X] *
					[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]

[D]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE POSITION. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1596
NASA FMEA #: 05-6KA-2083-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1596
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ] (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO DIFFERENCES.

REPORT DATE 2/26/88   C-1777

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1597
NASA FMEA #: 05-6KA-2082-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1597
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]				
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
					[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]
[ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1598   BASELINE [   ]
NASA FMEA #:   05-6KA-2082-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1598
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT CREDIBLE. IOA
RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1599   BASELINE [   ]
NASA FMEA #:   05-6KA-2083-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1599
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [D]
                                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE POSITION. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1600
NASA FMEA #:   05-6KA-2083-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1600
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1601
NASA FMEA #: 05-6KA-2082-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1601
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R] [P] [P] [P] [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [   ]
INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1602   BASELINE [   ]
NASA FMEA #:   05-6KA-2082-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1602
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE [   ]
                                        INADEQUATE [   ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

REPORT DATE 2/26/88   C-1783

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1603
NASA FMEA #:   05-6KA-2081-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1603
ITEM: RESISTOR, 12K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

REPORT DATE 2/26/88   C-1784

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1604   BASELINE [   ]
NASA FMEA #:   05-6KA-2081-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1604
ITEM: RESISTOR, 12K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                   ADEQUATE   [   ]
                                   INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1605   BASELINE [   ]
NASA FMEA #:   05-6KA-2081-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1605
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [   ]
                                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                         INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1606   BASELINE [ ]
NASA FMEA #:   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1606
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                ADEQUATE   [ ]
                                INADEQUATE [ ]

REMARKS:
IOA INCORRECTLY IDENTIFIED THIS RESISTOR AS A FAILURE (FAILED
SHORT). RLR TYPE RESISTORS CANNOT FAIL SHORT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1607
NASA FMEA #: 05-6KA-2086-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1607
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [ ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1608
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1608
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                ADEQUATE   [   ]
                                INADEQUATE [   ]
REMARKS:
IOA INCORRECTLY IDENTIFIED THIS RESISTOR AS A FAILURE (FAILED
SHORT). RLR TYPE RESISTORS CANNOT FAIL SHORT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1609
NASA FMEA #: 05-6KA-2084-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1609
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [D]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [ ]
                                      INADEQUATE   [ ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE POSITION. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1610   NASA DATA:
NASA FMEA #:   05-6KA-2084-2   BASELINE [   ]
                                      NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1610
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [   ]
                                      INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1611
NASA FMEA #:   05-6KA-2086-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1611
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                ADEQUATE   [   ]
                                INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1612
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1612
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [   ]
INADEQUATE [   ]

REMARKS:
IOA INCORRECTLY IDENTIFIED THIS RESISTOR AS A FAILURE (FAILED SHORT). RLR TYPE RESISTORS CANNOT FAIL SHORT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1613
NASA FMEA #: 05-6KA-2085-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1613
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [ ]
INADEQUATE [ ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1614
NASA FMEA #:   05-6KA-2085-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1614
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1615   BASELINE [   ]
NASA FMEA #:   05-6KA-2085-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1615
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

           [3 /2R]   [P]   [P]   [P]   [   ]
                                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1616
NASA FMEA #:   05-6KA-2085-1

NASA DATA:
  BASELINE [   ]
       NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1616
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                          ADEQUATE   [   ]
                          INADEQUATE [   ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1617   NASA DATA:
NASA FMEA #:   05-6KA-2085-1   BASELINE [   ]
                                              NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1617
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

              CRITICALITY   REDUNDANCY SCREENS   CIL
                 FLIGHT   ITEM
                HDW/FUNC   A   B   C

       NASA   [3 /3]   [   ]   [   ]   [   ]   [   ] *
       IOA   [3 /3]   [   ]   [   ]   [   ]   [   ]

COMPARE   [/   ]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

          [3 /2R]   [P]   [P]   [P]   [   ]
                                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

REPORT DATE 2/26/88   C-1798

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1618
NASA FMEA #:   05-6KA-2085-1

NASA DATA:
BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1618
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1619
NASA FMEA #:   05-6KA-2086-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1619
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                          ADEQUATE   [   ]
                          INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1620
NASA FMEA #:

NASA DATA:
  BASELINE [   ]
       NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1620
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                              ADEQUATE   [   ]
                            INADEQUATE   [   ]

REMARKS:
IOA INCORRECTLY IDENTIFIED THIS RESISTOR AS A FAILURE (FAILED
SHORT). RLR TYPE RESISTORS CANNOT FAIL SHORT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1621
NASA FMEA #:   05-6KA-2084-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1621
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [D]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE POSITION. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1622   BASELINE [   ]
NASA FMEA #:   05-6KA-2084-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1622
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1623
NASA FMEA #: 05-6KA-2086-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1623
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [ ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1624   BASELINE [   ]
NASA FMEA #:   05-6KA-2086-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1624
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

            CRITICALITY   REDUNDANCY SCREENS   CIL
               FLIGHT   ITEM
              HDW/FUNC   A   B   C

     NASA   [3 /3]   [   ]   [   ]   [   ]   [   ] *
      IOA   [3 /3]   [   ]   [   ]   [   ]   [   ]

  COMPARE   [/   ]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

            [/   ]   [   ]   [   ]   [   ]   [   ]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                           ADEQUATE   [   ]
                                         INADEQUATE   [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1625   BASELINE [   ]
NASA FMEA #:   05-6KA-2084-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1625
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

      [3 /2R]   [P]   [P]   [P]   [D]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                              ADEQUATE   [   ]
                                              INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE POSITION. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1626   BASELINE [   ]
NASA FMEA #:   05-6KA-2084-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1626
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
        CRITICALITY       REDUNDANCY SCREENS         CIL
           FLIGHT                                    ITEM
         HDW/FUNC        A        B        C

 NASA   [ 3 /3 ]      [   ]    [   ]    [   ]      [   ] *
  IOA   [ 3 /3 ]      [   ]    [   ]    [   ]      [   ]

COMPARE [   /   ]     [   ]    [   ]    [   ]      [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
        [   /   ]     [   ]    [   ]    [   ]      [   ]
                                              (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1627   BASELINE [   ]
NASA FMEA #:   05-6KA-2086-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1627
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [   ]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1628   BASELINE [   ]
NASA FMEA #:   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1628
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [ ]   [ ]   [ ]   [ ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                ADEQUATE   [   ]
                                INADEQUATE [   ]
REMARKS:
IOA INCORRECTLY IDENTIFIED THIS RESISTOR AS A FAILURE (FAILED
SHORT). RLR TYPE RESISTORS CANNOT FAIL SHORT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1629   BASELINE [   ]
NASA FMEA #:   05-6KA-2085-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1629
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                                 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1630   BASELINE [   ]
NASA FMEA #:   05-6KA-2085-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1630
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1631   BASELINE [   ]
NASA FMEA #:   05-6KA-2086-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1631
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1632   BASELINE [   ]
NASA FMEA #:   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1632
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
IOA INCORRECTLY IDENTIFIED THIS RESISTOR AS A FAILURE (FAILED
SHORT). RLR TYPE RESISTORS CANNOT FAIL SHORT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1633
NASA FMEA #:   05-6KA-2086-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1633
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1634   BASELINE [   ]
NASA FMEA #:   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1634
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                            ADEQUATE   [   ]
                            INADEQUATE [   ]
REMARKS:
IOA INCORRECTLY IDENTIFIED THIS RESISTOR AS A FAILURE (FAILED
SHORT). RLR TYPE RESISTORS CANNOT FAIL SHORT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1635
NASA FMEA #:   05-6KA-2086-1

NASA DATA:
BASELINE [   ]
      NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1635
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [   ]   [   ]   [   ]   [   ]
                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1636
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1636
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA INCORRECTLY IDENTIFIED THIS RESISTOR AS A FAILURE (FAILED SHORT). RLR TYPE RESISTORS CANNOT FAIL SHORT.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1637
NASA FMEA #:   05-6KA-2084-1

NASA DATA:
  BASELINE [   ]
       NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1637
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [D]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE POSITION. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1638   BASELINE [   ]
NASA FMEA #:   05-6KA-2084-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1638
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

       [/   ]   [   ]   [   ]   [   ]   [   ]
                                               (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                         INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1639
NASA FMEA #:   05-6KA-2108-1

NASA DATA:
  BASELINE [   ]
       NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1639
ITEM: RESISTOR, 12K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

            [/]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [   ]
                                    INADEQUATE   [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1640   BASELINE [   ]
NASA FMEA #:   05-6KA-2108-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1640
ITEM: RESISTOR, 12K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1641   BASELINE [   ]
NASA FMEA #:   05-6KA-2102-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1641
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1642   BASELINE [   ]
NASA FMEA #:   05-6KA-2102-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1642
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                             (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]
REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1643   BASELINE [   ]
NASA FMEA #:   05-6KA-2103-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1643
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [D]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                            INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE POSITION. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1644   BASELINE [   ]
NASA FMEA #:   NONE   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1644
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

       [3 /3]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
A SHORT ACROSS THIS RESISTOR IS A CREDIBLE FAILURE. IOA
RECOMMENDS THIS FAILURE BE INCORPORATED INTO A FMEA.

ISSUE NOT RESOLVED AT THE MEETING WITH THE SUBSYSTEM MANAGER ON
1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1645   BASELINE [   ]
NASA FMEA #:   05-6KA-2103-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1645
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [D]
                                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                           ADEQUATE   [   ]
                                           INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE POSITION. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

REPORT DATE 2/26/88   C-1826

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1646   BASELINE [   ]
NASA FMEA #:   NONE   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1646
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
             CRITICALITY    REDUNDANCY SCREENS         CIL
               FLIGHT                                  ITEM
              HDW/FUNC      A        B        C

     NASA    [  /   ]     [   ]    [   ]    [   ]     [   ] *
      IOA    [ 3 /3 ]     [   ]    [   ]    [   ]     [   ]

 COMPARE    [ N /N ]     [   ]    [   ]    [   ]     [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
          [ 3 /3 ]     [   ]    [   ]    [   ]        [   ]
                                                  (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
A SHORT ACROSS THIS RESISTOR IS A CREDIBLE FAILURE. IOA
RECOMMENDS THIS FAILURE BE INCORPORATED INTO A FMEA.

ISSUE NOT RESOLVED AT THE MEETING WITH THE SUBSYSTEM MANAGER ON
1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1647   BASELINE [   ]
NASA FMEA #:   05-6KA-2102-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1647
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [   ]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                            INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

REPORT DATE 2/26/88   C-1828

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1648   BASELINE [   ]
NASA FMEA #:   05-6KA-2102-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1648
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                         (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1649   BASELINE [   ]
NASA FMEA #:   05-6KA-2103-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1649
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

          [3 /2R]   [P]   [P]   [P]   [D]
                                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE POSITION. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1650   BASELINE [   ]
NASA FMEA #:   NONE   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1650
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

   [3 /3]   [   ]   [   ]   [   ]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]
REMARKS:
A SHORT ACROSS THIS RESISTOR IS A CREDIBLE FAILURE. IOA
RECOMMENDS THIS FAILURE BE INCORPORATED INTO A FMEA.

ISSUE NOT RESOLVED AT THE MEETING WITH THE SUBSYSTEM MANAGER ON
1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1651   NASA DATA:
NASA FMEA #:   05-6KA-2102-1   BASELINE [   ]
                                                     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1651
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
          CRITICALITY      REDUNDANCY SCREENS        CIL
             FLIGHT                                  ITEM
            HDW/FUNC      A         B        C

    NASA  [ 3 /3 ]     [   ]    [   ]    [   ]     [   ] *
     IOA  [ 3 /3 ]     [   ]    [   ]    [   ]     [   ]

COMPARE   [   /  ]     [   ]    [   ]    [   ]     [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
        [ 3 /2R ]      [ P ]    [ P ]    [ P ]        [   ]
                                                  (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1652   BASELINE [   ]
NASA FMEA #:   05-6KA-2102-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1652
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
          CRITICALITY      REDUNDANCY SCREENS          CIL
            FLIGHT                                     ITEM
           HDW/FUNC       A          B        C

    NASA  [ 3 /3 ]      [   ]      [   ]    [   ]      [   ] *
     IOA  [ 3 /3 ]      [   ]      [   ]    [   ]      [   ]

COMPARE   [   /   ]      [   ]      [   ]    [   ]      [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
          [   /   ]      [   ]      [   ]    [   ]      [   ]
                                                   (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                      INADEQUATE   [   ]
REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

REPORT DATE 2/26/88   C-1833

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1653   BASELINE [   ]
NASA FMEA #:   05-6KA-2108-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1653
ITEM: RESISTOR, 12K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
            CRITICALITY     REDUNDANCY SCREENS          CIL
              FLIGHT                                    ITEM
            HDW/FUNC       A         B         C

   NASA   [ 3 /3 ]      [   ]     [   ]     [   ]     [   ] *
    IOA   [ 3 /3 ]      [   ]     [   ]     [   ]     [   ]

COMPARE   [   /   ]     [   ]     [   ]     [   ]     [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
          [   /   ]     [   ]     [   ]     [   ]        [   ]
                                                      (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                        INADEQUATE   [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1654   BASELINE [   ]
NASA FMEA #:   05-6KA-2108-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1654
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1655
NASA FMEA #:   05-6KA-2102-1

NASA DATA:
  BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1655
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

   [3 /2R]   [P]   [P]   [P]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]
REMARKS:
LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE VALVE
CLOSED.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1656   BASELINE [   ]
NASA FMEA #:   05-6KA-2102-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1656
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                               (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [   ]
                                    INADEQUATE   [   ]
REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1657   BASELINE [   ]
NASA FMEA #:   05-6KA-2108-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1657
ITEM: RESISTOR, 12K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

                CRITICALITY   REDUNDANCY SCREENS   CIL
                  FLIGHT   ITEM
                 HDW/FUNC   A   B   C

        NASA   [3 /3]   [   ]   [   ]   [   ]   [   ] *
        IOA   [3 /3]   [   ]   [   ]   [   ]   [   ]

COMPARE   [/   ]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

           [/   ]   [   ]   [   ]   [   ]   [   ]
                                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                        INADEQUATE   [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1658   BASELINE [   ]
NASA FMEA #:   05-6KA-2108-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1658
ITEM: RESISTOR, 12K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

              CRITICALITY   REDUNDANCY SCREENS   CIL
                FLIGHT   ITEM
               HDW/FUNC   A   B   C

      NASA   [3 /3]   [   ]   [   ]   [   ]   [   ] *
       IOA   [3 /3]   [   ]   [   ]   [   ]   [   ]

COMPARE   [/   ]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

           [/   ]   [   ]   [   ]   [   ]   [   ]
                                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                        INADEQUATE   [   ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

REPORT DATE 2/26/88   C-1839

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1659
NASA FMEA #:   05-6KA-2102-1

NASA DATA:
BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1659
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1660   BASELINE [   ]
NASA FMEA #:   05-6KA-2102-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1660
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                           (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1661   BASELINE [   ]
NASA FMEA #:   05-6KA-2103-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1661
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [D]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                              ADEQUATE   [   ]
                                              INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE POSITION. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1662   BASELINE [   ]
NASA FMEA #:   NONE   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1662
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
            CRITICALITY    REDUNDANCY SCREENS          CIL
              FLIGHT                                   ITEM
             HDW/FUNC      A       B       C

    NASA   [   /   ]     [   ]   [   ]   [   ]      [   ] *
     IOA   [ 3 /3  ]     [   ]   [   ]   [   ]      [   ]

COMPARE    [ N /N  ]     [   ]   [   ]   [   ]      [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
           [ 3 /3  ]     [   ]   [   ]   [   ]        [   ]
                                                   (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                        INADEQUATE   [   ]
REMARKS:
A SHORT ACROSS THIS RESISTOR IS A CREDIBLE FAILURE. IOA
RECOMMENDS THIS FAILURE BE INCORPORATED INTO A FMEA.

ISSUE NOT RESOLVED AT THE MEETING WITH THE SUBSYSTEM MANAGER ON
1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1663
NASA FMEA #:   05-6KA-2103-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1663
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [D]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE POSITION. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1664   BASELINE [   ]
NASA FMEA #:   NONE   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1664
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
            CRITICALITY      REDUNDANCY SCREENS         CIL
              FLIGHT                                    ITEM
             HDW/FUNC       A         B         C

     NASA  [   /   ]     [   ]     [   ]     [   ]      [   ] *
     IOA   [ 3 /3 ]      [   ]     [   ]     [   ]      [   ]

COMPARE   [ N /N ]       [   ]     [   ]     [   ]      [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
          [ 3 /3 ]      [   ]     [   ]     [   ]        [   ]
                                                      (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                          INADEQUATE   [   ]
REMARKS:
A SHORT ACROSS THIS RESISTOR IS A CREDIBLE FAILURE. IOA
RECOMMENDS THIS FAILURE BE INCORPORATED INTO A FMEA.

ISSUE NOT RESOLVED AT THE MEETING WITH THE SUBSYSTEM MANAGER ON
1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1665   BASELINE [   ]
NASA FMEA #:   05-6KA-2102-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1665
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [   ]
                                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                            INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1666   BASELINE [   ]
NASA FMEA #:   05-6KA-2102-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1666
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                         (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1667
NASA FMEA #:   05-6KA-2103-1

NASA DATA:
  BASELINE [   ]
      NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1667
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [D]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                      ADEQUATE   [   ]
                                      INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE POSITION. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1668   BASELINE [   ]
NASA FMEA #:   NONE   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1668
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [3 /3]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
A SHORT ACROSS THIS RESISTOR IS A CREDIBLE FAILURE. IOA
RECOMMENDS THIS FAILURE BE INCORPORATED INTO A FMEA.

ISSUE NOT RESOLVED AT THE MEETING WITH THE SUBSYSTEM MANAGER ON
1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1669
NASA FMEA #:   05-6KA-2102-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1669
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1670   BASELINE [   ]
NASA FMEA #:   05-6KA-2102-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1670
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

          CRITICALITY   REDUNDANCY SCREENS   CIL
             FLIGHT   ITEM
           HDW/FUNC   A   B   C

    NASA [3 /3]   [   ]   [   ]   [   ]   [   ] *
     IOA [3 /3]   [   ]   [   ]   [   ]   [   ]

COMPARE [/   ]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

         [/   ]   [   ]   [   ]   [   ]   [   ]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                        INADEQUATE   [   ]
REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1671   BASELINE [   ]
NASA FMEA #:   05-6KA-2108-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1671
ITEM: RESISTOR, 12K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

            CRITICALITY   REDUNDANCY SCREENS   CIL
              FLIGHT   ITEM
             HDW/FUNC   A   B   C

     NASA [3 /3]   [   ]   [   ]   [   ]   [   ] *
     IOA   [3 /3]   [   ]   [   ]   [   ]   [   ]

COMPARE   [/   ]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

           [/   ]   [   ]   [   ]   [   ]   [   ]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

REPORT DATE 2/26/88   C-1852

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1672   BASELINE [   ]
NASA FMEA #:   05-6KA-2108-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1672
ITEM: RESISTOR, 12K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [ ]   [ ]   [ ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                       ADEQUATE   [   ]
                                       INADEQUATE [   ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1673
NASA FMEA #:   05-6KA-2102-1

NASA DATA:
  BASELINE [   ]
      NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1673
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

   [3 /2R]   [P]   [P]   [P]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                         ADEQUATE   [   ]
                                         INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

REPORT DATE 2/26/88   C-1854

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1674   BASELINE [   ]
NASA FMEA #:   05-6KA-2102-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1674
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
            CRITICALITY      REDUNDANCY SCREENS          CIL
               FLIGHT                                    ITEM
             HDW/FUNC       A         B         C

    NASA   [ 3 /3 ]      [   ]     [   ]     [   ]      [   ] *
     IOA   [ 3 /3 ]      [   ]     [   ]     [   ]      [   ]

COMPARE    [   /   ]      [   ]     [   ]     [   ]      [   ]
```

RECOMMENDATIONS: (If different from NASA)

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           [   /   ]      [   ]     [   ]     [   ]         [   ]
                                                        (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1675   BASELINE [   ]
NASA FMEA #:   05-6KA-2087-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1675
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [   ]
                                    INADEQUATE   [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1676   BASELINE [   ]
NASA FMEA #:   05-6KA-2087-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1676
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
            CRITICALITY      REDUNDANCY SCREENS        CIL
               FLIGHT                                  ITEM
             HDW/FUNC       A        B        C

    NASA   [ 3 /3 ]      [   ]    [   ]    [   ]      [   ] *
    IOA    [ 3 /3 ]      [   ]    [   ]    [   ]      [   ]

COMPARE    [   /   ]     [   ]    [   ]    [   ]      [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
           [   /   ]     [   ]    [   ]    [   ]      [   ]
                                                   (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1677   BASELINE [   ]
NASA FMEA #:   05-6KA-2087-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1677
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

      [3 /2R]   [P]   [P]   [P]   [   ]
                                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                             ADEQUATE   [   ]
                                             INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

REPORT DATE 2/26/88   C-1858

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1678   BASELINE [   ]
NASA FMEA #:   05-6KA-2087-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1678
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                       ADEQUATE   [   ]
                                       INADEQUATE [   ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1679   BASELINE [   ]
NASA FMEA #:   05-6KA-2088-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1679
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [   ]
                                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                              ADEQUATE   [   ]
                                              INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1680   BASELINE [   ]
NASA FMEA #:   05-6KA-2088-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1680
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                         INADEQUATE [   ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1681
NASA FMEA #:   05-6KA-2088-1

NASA DATA:
BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1681
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

REPORT DATE 2/26/88   C-1862

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1682
NASA FMEA #:   05-6KA-2088-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1682
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                            ADEQUATE   [ ]
                            INADEQUATE [ ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1683
NASA FMEA #:   05-6KA-2089-1

NASA DATA:
  BASELINE [   ]
       NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1683
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [D]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE POSITION. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

REPORT DATE 2/26/88   C-1864

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1684   BASELINE [   ]
NASA FMEA #:   05-6KA-2089-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1684
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

           CRITICALITY   REDUNDANCY SCREENS   CIL
              FLIGHT   ITEM
           HDW/FUNC   A   B   C

    NASA [3 /3]   [   ]   [   ]   [   ]   [   ] *
     IOA [3 /3]   [   ]   [   ]   [   ]   [   ]

COMPARE   [/   ]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                        INADEQUATE   [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1685   BASELINE [   ]
NASA FMEA #:   05-6KA-2088-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1685
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1686   BASELINE [   ]
NASA FMEA #:   05-6KA-2088-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1686
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
           CRITICALITY      REDUNDANCY SCREENS           CIL
             FLIGHT                                       ITEM
            HDW/FUNC       A         B         C

   NASA  [ 3 /3 ]      [   ]     [   ]     [   ]       [   ] *
    IOA  [ 3 /3 ]      [   ]     [   ]     [   ]       [   ]

COMPARE  [   /   ]     [   ]     [   ]     [   ]       [   ]
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RECOMMENDATIONS: (If different from NASA)

```
        [   /   ]     [   ]     [   ]     [   ]          [   ]
                                                   (ADD/DELETE)
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* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1687   NASA DATA:
NASA FMEA #:   05-6KA-2088-1   BASELINE [   ]
                                                     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1687
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

| | CRITICALITY FLIGHT HDW/FUNC | REDUNDANCY SCREENS | | | CIL ITEM |
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [   ]
                                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                            INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1688   BASELINE [   ]
NASA FMEA #:   05-6KA-2088-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1688
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1689   BASELINE [   ]
NASA FMEA #:   05-6KA-2087-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1689
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [   ]
                                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                         INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1690   BASELINE [   ]
NASA FMEA #:   05-6KA-2087-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1690
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

           [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1691
NASA FMEA #:   05-6KA-2087-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1691
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
                                                 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1692   BASELINE [   ]
NASA FMEA #:   05-6KA-2087-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1692
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                   ADEQUATE   [   ]
                                   INADEQUATE [   ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1693
NASA FMEA #:   05-6KA-2088-1

NASA DATA:
  BASELINE [   ]
      NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1693
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [   ]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                        INADEQUATE   [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1694   BASELINE [   ]
NASA FMEA #:   05-6KA-2088-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1694
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1695   BASELINE [   ]
NASA FMEA #:   05-6KA-2088-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1695
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

| | CRITICALITY FLIGHT HDW/FUNC | REDUNDANCY SCREENS | | | CIL ITEM |
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

         [3 /2R]   [P]   [P]   [P]   [   ]
                                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1696   BASELINE [   ]
NASA FMEA #:   05-6KA-2088-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1696
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                     ADEQUATE   [   ]
                                     INADEQUATE [   ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1697   BASELINE [   ]
NASA FMEA #:   05-6KA-2089-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1697
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [D]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                           ADEQUATE   [   ]
                                           INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE POSITION. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1698   BASELINE [   ]
NASA FMEA #:   05-6KA-2089-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1698
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

              CRITICALITY   REDUNDANCY SCREENS   CIL
                FLIGHT   ITEM
              HDW/FUNC   A   B   C

      NASA [3 /3]   [   ]   [   ]   [   ]   [   ] *
      IOA   [3 /3]   [   ]   [   ]   [   ]   [   ]

COMPARE   [/   ]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

            [/   ]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

REPORT DATE 2/26/88   C-1879

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1699   BASELINE [   ]
NASA FMEA #:   05-6KA-2088-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1699
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                         INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1700   BASELINE [   ]
NASA FMEA #:   05-6KA-2088-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1700
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

            CRITICALITY   REDUNDANCY SCREENS   CIL
               FLIGHT   ITEM
             HDW/FUNC   A   B   C

    NASA   [3 /3]   [   ]   [   ]   [   ]   [   ] *
     IOA   [3 /3]   [   ]   [   ]   [   ]   [   ]

COMPARE   [/   ]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

           [/   ]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                      INADEQUATE   [   ]
REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1701   BASELINE [   ]
NASA FMEA #:   05-6KA-2088-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1701
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [   ]
                                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1702   BASELINE [   ]
NASA FMEA #:   05-6KA-2088-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1702
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

         [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [   ]
                                      INADEQUATE [   ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1703
NASA FMEA #:   05-6KA-2087-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1703
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

C-6

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1704   BASELINE [   ]
NASA FMEA #:   05-6KA-2087-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1704
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1705   BASELINE [   ]
NASA FMEA #:   05-6KA-2087-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1705
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                            INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1706   BASELINE [   ]
NASA FMEA #:   05-6KA-2087-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1706
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

                [/]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                          INADEQUATE   [   ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

REPORT DATE 2/26/88   C-1887

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1707
NASA FMEA #:   05-6KA-2088-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1707
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1708
NASA FMEA #: 05-6KA-2088-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1708
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ]   [ ]
                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1709
NASA FMEA #:   05-6KA-2088-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1709
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1710   BASELINE [   ]
NASA FMEA #:   05-6KA-2088-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1710
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                               ADEQUATE [   ]
                              INADEQUATE [   ]
REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1711
NASA FMEA #:   05-6KA-2089-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1711
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [D]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE POSITION. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1712   BASELINE [   ]
NASA FMEA #:   05-6KA-2089-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1712
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                         INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1713   BASELINE [   ]
NASA FMEA #:   05-6KA-2088-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1713
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

         [3 /2R]   [P]   [P]   [P]   [   ]
                                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                            INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

REPORT DATE 2/26/88   C-1894

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1714   BASELINE [   ]
NASA FMEA #:   05-6KA-2088-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1714
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]
REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1715   BASELINE [   ]
NASA FMEA #:   05-6KA-2088-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1715
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
            CRITICALITY    REDUNDANCY SCREENS        CIL
               FLIGHT                                ITEM
             HDW/FUNC     A       B       C

    NASA   [ 3 /3 ]    [   ]   [   ]   [   ]      [   ] *
    IOA    [ 3 /3 ]    [   ]   [   ]   [   ]      [   ]

COMPARE    [   /   ]   [   ]   [   ]   [   ]      [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
         [ 3 /2R ]     [ P ]   [ P ]   [ P ]        [   ]
                                                (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1716   BASELINE [   ]
NASA FMEA #:   05-6KA-2088-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1716
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                      INADEQUATE   [   ]
REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1717   BASELINE [   ]
NASA FMEA #:   05-6KA-2087-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1717
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [   ]
                                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1718   BASELINE [   ]
NASA FMEA #:   05-6KA-2087-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1718
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                           (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                   ADEQUATE   [   ]
                                   INADEQUATE [   ]
REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1719   BASELINE [   ]
NASA FMEA #:   05-6KA-2087-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1719
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [   ]
                                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                              ADEQUATE   [   ]
                                            INADEQUATE   [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1720
NASA FMEA #: 05-6KA-2087-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1720
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
					[ ] *
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ]
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1721
NASA FMEA #:   05-6KA-2088-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1721
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [ ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

REPORT DATE 2/26/88   C-1902

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1722   NASA DATA:
NASA FMEA #:   05-6KA-2088-1   BASELINE [   ]
                                                   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1722
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1723
NASA FMEA #:   05-6KA-2088-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1723
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1724   BASELINE [   ]
NASA FMEA #:   05-6KA-2088-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1724
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1725   BASELINE [   ]
NASA FMEA #:   05-6KA-2089-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1725
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [D]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                         INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE POSITION. REDUNDANCY
PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

REPORT DATE 2/26/88   C-1906

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1726   BASELINE [   ]
NASA FMEA #:   05-6KA-2089-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1726
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

   [/   ]   [   ]   [   ]   [   ]   [   ]
                                         (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                   ADEQUATE   [   ]
                                   INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1727
NASA FMEA #:   05-6KA-2088-1

NASA DATA:
  BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1727
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

    [3 /2R]   [P]   [P]   [P]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                ADEQUATE   [   ]
                              INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1728   BASELINE [   ]
NASA FMEA #:   05-6KA-2088-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1728
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                      INADEQUATE   [   ]
REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1729   BASELINE [   ]
NASA FMEA #:   05-6KA-2088-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1729
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [   ]
                                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                               ADEQUATE   [   ]
                                               INADEQUATE [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1730   BASELINE [   ]
NASA FMEA #:   05-6KA-2088-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1730
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                            ADEQUATE   [   ]
                           INADEQUATE [   ]

REMARKS:
A SHORT ACROSS A RLR TYPE RESISTOR IS NOT A CREDIBLE FAILURE.
IOA RECOMMENDS REMOVAL OF THE "SHORT" FAILURE MODE FROM THIS
FMEA.

ISSUE RESOLVED ON 1/20/88 AT MEETING WITH SUBSYSTEM MANAGER
(SHORT FAILURE MODE TO BE REMOVED).

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1731   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1731
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

         [/   ]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1732   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1732
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [ ]   [ ]   [ ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                       INADEQUATE   [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1733   NASA DATA:
NASA FMEA #:   BASELINE [   ]
                                            NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1733
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1734   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1734
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                                 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

REPORT DATE 2/26/88   C-1915

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1735   BASELINE [   ]
NASA FMEA #:   NEW   [   ]

SUBSYSTEM: ARCS
MDAC ID: 1735
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/]   [ ]   [ ]   [ ]   [ ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1736   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1736
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE   [   ]
                                             INADEQUATE   [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1737   NASA DATA:
NASA FMEA #:   BASELINE [   ]
                                              NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1737
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

       [/   ]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                          ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1738   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1738
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                     ADEQUATE   [   ]
                                     INADEQUATE [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1739   BASELINE [   ]
NASA FMEA #:   NEW   [   ]

SUBSYSTEM: ARCS
MDAC ID: 1739
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

         [/]   [ ]   [ ]   [ ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1740   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1740
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1741   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1741
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [ ]   [ ]   [ ]   [ ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [   ]
                                    INADEQUATE   [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1742   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1742
ITEM: RESISTOR, 1.2K 2W

LEAD ANALYST:

ASSESSMENT:

                                                              CIL
        CRITICALITY   REDUNDANCY SCREENS   ITEM
          FLIGHT
         HDW/FUNC   A   B   C

  NASA [/   ]   [   ]   [   ]   [   ]   [   ] *
   IOA [3 /3]   [   ]   [   ]   [   ]   [   ]

COMPARE [N /N]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

         [/   ]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                          INADEQUATE   [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

REPORT DATE 2/26/88   C-1923

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1743   NASA DATA:
NASA FMEA #:   BASELINE [   ]
                                                      NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1743
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                          ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1744
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1744
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1745   NASA DATA:
NASA FMEA #:   BASELINE [   ]
                                                      NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1745
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                              ADEQUATE   [   ]
                                              INADEQUATE [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1746   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1746
ITEM: RESISTOR, 5.1K 1/4W

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

         [/   ]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                        INADEQUATE   [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1747   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1747
ITEM: L/R OX & FU TK ISOL VLV 1/2 SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

   [/]   [ ]   [ ]   [ ]   [ ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
OXIDIZER AND FUEL TANK ISOLATION VALVE 1/2 SWITCHES RE-ANALYZED
BY IOA. SEE ASSESSMENT IDs ARCS 12081X-12085X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1748   BASELINE [   ]
NASA FMEA #:   NEW   [   ]

SUBSYSTEM: ARCS
MDAC ID: 1748
ITEM: L/R OX & FU TK ISOL VLV 1/2 SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
OXIDIZER AND FUEL TANK ISOLATION VALVE 1/2 SWITCHES RE-ANALYZED
BY IOA. SEE ASSESSMENT IDs ARCS 12081X-12085X.

REPORT DATE 2/26/88   C-1929

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1749   BASELINE [   ]
NASA FMEA #:   NEW   [   ]

SUBSYSTEM: ARCS
MDAC ID: 1749
ITEM: L/R OX & FU TK ISOL VLV 1/2 SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                            INADEQUATE [   ]
REMARKS:
OXIDIZER AND FUEL TANK ISOLATION VALVE 1/2 SWITCHES RE-ANALYZED
BY IOA.   SEE ASSESSMENT IDs ARCS 12081X-12085X.

REPORT DATE 2/26/88   C-1930

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1750   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1750
ITEM: L/R OX & FU TK ISOL VLV 1/2 SWITCH OPEN CONTACTS
1, 2

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]				
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

      [/]   [   ]   [   ]   [   ]   [   ]
                                             (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE   [   ]
                                             INADEQUATE   [   ]

REMARKS:
OXIDIZER AND FUEL TANK ISOLATION VALVE 1/2 SWITCHES RE-ANALYZED
BY IOA. SEE ASSESSMENT IDs ARCS 12081X-12085X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1751
NASA FMEA #:

NASA DATA:
   BASELINE [   ]
       NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1751
ITEM:
1, 2   L/R OX & FU TK ISOL VLV 1/2 SWITCH OPEN CONTACTS

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

   [/   ]   [   ]   [   ]   [   ]   [   ]
                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                 ADEQUATE [   ]
REMARKS: INADEQUATE [   ]
OXIDIZER AND FUEL TANK ISOLATION VALVE 1/2 SWITCHES RE-ANALYZED
BY IOA. SEE ASSESSMENT IDs ARCS 12081X-12085X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1752   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1752
ITEM: L/R OX & FU TK ISOL VLV 1/2 SWITCH GPC CONTACTS
3, 4

LEAD ANALYST:

ASSESSMENT:

              CRITICALITY   REDUNDANCY SCREENS   CIL
                FLIGHT   ITEM
              HDW/FUNC   A   B   C

      NASA   [/   ]   [   ]   [   ]   [   ]   [   ] *
       IOA   [3 /3]   [   ]   [   ]   [   ]   [   ]

COMPARE   [N /N]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

           [/   ]   [   ]   [   ]   [   ]   [   ]
                                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                           ADEQUATE   [   ]
                                         INADEQUATE   [   ]
REMARKS:
OXIDIZER AND FUEL TANK ISOLATION VALVE 1/2 SWITCHES RE-ANALYZED
BY IOA. SEE ASSESSMENT IDs ARCS 12081X-12085X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1753   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1753
ITEM: L/R OX & FU TK ISOL VLV 1/2 SWITCH GPC CONTACTS
3, 4

LEAD ANALYST:

ASSESSMENT:

```
              CRITICALITY     REDUNDANCY SCREENS        CIL
                 FLIGHT                                 ITEM
               HDW/FUNC      A        B        C

     NASA   [   /   ]     [   ]   [   ]    [   ]      [   ] *
      IOA   [ 3 /3  ]     [   ]   [   ]    [   ]      [   ]

COMPARE    [ N /N  ]      [   ]   [   ]    [   ]      [   ]
```

RECOMMENDATIONS: (If different from NASA)

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           [   /   ]     [   ]   [   ]    [   ]         [   ]
                                                    (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]

REMARKS:
OXIDIZER AND FUEL TANK ISOLATION VALVE 1/2 SWITCHES RE-ANALYZED
BY IOA. SEE ASSESSMENT IDs ARCS 12081X-12085X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1754   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1754
ITEM: L/R OX & FU TK ISOL VLV 1/2 SWITCH CLOSE
CONTACTS 5, 6

LEAD ANALYST:

ASSESSMENT:

```
          CRITICALITY      REDUNDANCY SCREENS        CIL
             FLIGHT                                  ITEM
            HDW/FUNC      A         B         C

   NASA   [   /   ]     [   ]     [   ]     [   ]     [    ] *
   IOA    [ 3 /2R ]     [ P ]     [ P ]     [ P ]     [    ]

COMPARE   [ N /N  ]     [ N ]     [ N ]     [ N ]     [    ]
```

RECOMMENDATIONS: (If different from NASA)

```
          [   /   ]     [   ]     [   ]     [   ]        [    ]
                                                     (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
OXIDIZER AND FUEL TANK ISOLATION VALVE 1/2 SWITCHES RE-ANALYZED
BY IOA.   SEE ASSESSMENT IDs ARCS 12081X-12085X.

REPORT DATE 2/26/88   C-1935

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1755   BASELINE [   ]
NASA FMEA #:   NEW   [   ]

SUBSYSTEM: ARCS
MDAC ID: 1755
ITEM: L/R OX & FU TK ISOL VLV 1/2 SWITCH CLOSE
CONTACTS 5, 6

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
OXIDIZER AND FUEL TANK ISOLATION VALVE 1/2 SWITCHES RE-ANALYZED
BY IOA. SEE ASSESSMENT IDs ARCS 12081X-12085X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1756   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1756
ITEM: L/R OX & FU TK ISOL VLV 1/2 SWITCH OPEN CONTACTS
7, 8

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE [   ]
                                           INADEQUATE [   ]

REMARKS:
OXIDIZER AND FUEL TANK ISOLATION VALVE 1/2 SWITCHES RE-ANALYZED
BY IOA. SEE ASSESSMENT IDs ARCS 12081X-12085X.

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1757   NASA DATA:
NASA FMEA #:   BASELINE [   ]
                                                       NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1757
ITEM:
7, 8   L/R OX & FU TK ISOL VLV 1/2 SWITCH OPEN CONTACTS

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]				
IOA	[3 /2R]	[P]	[P]	[P]	[ ] *
					[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

               [/   ]   [   ]   [   ]   [   ]
                                                            [   ]
                                                         (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                            ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
OXIDIZER AND FUEL TANK ISOLATION VALVE 1/2 SWITCHES RE-ANALYZED
BY IOA.   SEE ASSESSMENT IDs ARCS 12081X-12085X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1758   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1758
ITEM: L/R OX & FU TK ISOL VLV 1/2 SWITCH GPC CONTACTS
9, 10

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
OXIDIZER AND FUEL TANK ISOLATION VALVE 1/2 SWITCHES RE-ANALYZED
BY IOA. SEE ASSESSMENT IDs ARCS 12081X-12085X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1759   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1759
ITEM: L/R OX & FU TK ISOL VLV 1/2 SWITCH GPC CONTACTS
9, 10

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

           [/   ]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                              ADEQUATE   [   ]
                                              INADEQUATE [   ]
REMARKS:
OXIDIZER AND FUEL TANK ISOLATION VALVE 1/2 SWITCHES RE-ANALYZED
BY IOA. SEE ASSESSMENT IDs ARCS 12081X-12085X.

REPORT DATE 2/26/88   C-1940

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1760   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1760
ITEM: L/R OX & FU TK ISOL VLV 1/2 SWITCH CLOSE
CONTACTS 11, 12

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
					[ ] *
NASA	[/]	[P]	[P]	[P]	[ ]
IOA	[3 /2R]				[ ]
COMPARE	[N /N]	[N]	[N]	[N]	

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE   [   ]
                                              INADEQUATE   [   ]

REMARKS:
OXIDIZER AND FUEL TANK ISOLATION VALVE 1/2 SWITCHES RE-ANALYZED
BY IOA. SEE ASSESSMENT IDs ARCS 12081X-12085X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1761   NASA DATA:
NASA FMEA #:   BASELINE [   ]
                                            NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1761
ITEM: L/R OX & FU TK ISOL VLV 1/2 SWITCH CLOSE
CONTACTS 11, 12

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]				
IOA	[3 /1R]	[P]	[F]	[P]	[X] *
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]

[   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
OXIDIZER AND FUEL TANK ISOLATION VALVE 1/2 SWITCHES RE-ANALYZED
BY IOA. SEE ASSESSMENT IDs ARCS 12081X-12085X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1762   BASELINE [   ]
NASA FMEA #:   NEW   [   ]

SUBSYSTEM: ARCS
MDAC ID: 1762
ITEM: L/R OX & FU TK ISOL VLV 3/4/5 A OR B SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
OXIDIZER AND FUEL TANK ISOLATION VALVE 3/4/5 SWITCHES RE-ANALYZED
BY IOA. SEE ASSESSMENT IDs ARCS 12102X-12106X.

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1763   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1763
ITEM: L/R OX & FU TK ISOL VLV 3/4/5 A OR B SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [ ]   [ ]   [ ]   [ ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]
REMARKS:
OXIDIZER AND FUEL TANK ISOLATION VALVE 3/4/5 SWITCHES RE-ANALYZED
BY IOA. SEE ASSESSMENT IDs ARCS 12102X-12106X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1764   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1764
ITEM: L/R OX & FU TK ISOL VLV 3/4/5 A OR B SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
OXIDIZER AND FUEL TANK ISOLATION VALVE 3/4/5 SWITCHES RE-ANALYZED
BY IOA. SEE ASSESSMENT IDs ARCS 12102X-12106X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1765
NASA FMEA #:

                                          NASA DATA:
                                            BASELINE [   ]
                                                 NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1765
ITEM: L/R OX & FU TK ISOL VLV 3/4/5 A OR B SWITCH OPEN
CONTACTS 1, 2

LEAD ANALYST:

ASSESSMENT:

              CRITICALITY   REDUNDANCY SCREENS
                 FLIGHT   CIL
              HDW/FUNC   A   B   C   ITEM

       NASA [/   ]   [   ]   [   ]   [   ]   [   ] *
       IOA   [3 /1R]   [P]   [F]   [P]   [X]

COMPARE   [N /N]   [N]   [N]   [N]   [N]

RECOMMENDATIONS: (If different from NASA)

              [/   ]   [   ]   [   ]   [   ]   [   ]
                                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                              ADEQUATE   [   ]
                                              INADEQUATE [   ]
REMARKS:
OXIDIZER AND FUEL TANK ISOLATION VALVE 3/4/5 SWITCHES RE-ANALYZED
BY IOA. SEE ASSESSMENT IDs ARCS 12102X-12106X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1766   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1766
ITEM: L/R OX & FU TK ISOL VLV 3/4/5 A OR B SWITCH OPEN
CONTACTS 1, 2

LEAD ANALYST:

ASSESSMENT:

             CRITICALITY   REDUNDANCY SCREENS   CIL
               FLIGHT   ITEM
             HDW/FUNC   A   B   C

    NASA   [/   ]   [   ]   [   ]   [   ]   [   ] *
    IOA   [3 /2R]   [P]   [P]   [P]   [   ]

COMPARE   [N /N]   [N]   [N]   [N]   [   ]

RECOMMENDATIONS: (If different from NASA)

           [/   ]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                          INADEQUATE   [   ]

REMARKS:
OXIDIZER AND FUEL TANK ISOLATION VALVE 3/4/5 SWITCHES RE-ANALYZED
BY IOA. SEE ASSESSMENT IDs ARCS 12102X-12106X.

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1767
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1767
ITEM: L/R OX & FU TK ISOL VLV 3/4/5 A OR B SWITCH GPC
CONTACTS 3, 4

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
OXIDIZER AND FUEL TANK ISOLATION VALVE 3/4/5 SWITCHES RE-ANALYZED
BY IOA. SEE ASSESSMENT IDs ARCS 12102X-12106X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1768
NASA FMEA #:

NASA DATA:
  BASELINE [   ]
      NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1768
ITEM: L/R OX & FU TK ISOL VLV 3/4/5 A OR B SWITCH GPC
CONTACTS 3, 4

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                   ADEQUATE   [   ]
                                   INADEQUATE [   ]

REMARKS:
OXIDIZER AND FUEL TANK ISOLATION VALVE 3/4/5 SWITCHES RE-ANALYZED
BY IOA. SEE ASSESSMENT IDs ARCS 12102X-12106X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1769   NASA DATA:
NASA FMEA #:   BASELINE [   ]
                                           NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1769
ITEM: L/R OX & FU TK ISOL VLV 3/4/5 A OR B SWITCH
CLOSE CONTACTS 5, 6

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]				
IOA	[3 /2R]	[P]	[P]	[P]	[ ] *
					[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]
                                                    [   ]
                                                 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                          ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
OXIDIZER AND FUEL TANK ISOLATION VALVE 3/4/5 SWITCHES RE-ANALYZED
BY IOA. SEE ASSESSMENT IDs ARCS 12102X-12106X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1770   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1770
ITEM: L/R OX & FU TK ISOL VLV 3/4/5 A OR B SWITCH
CLOSE CONTACTS 5, 6

LEAD ANALYST:

ASSESSMENT:

```
              CRITICALITY      REDUNDANCY SCREENS           CIL
                FLIGHT                                       ITEM
               HDW/FUNC        A         B        C

       NASA  [   /   ]      [   ]     [   ]    [   ]       [   ] *
       IOA   [ 3 /2R ]      [ P ]     [ F ]    [ P ]       [ X ]

COMPARE      [ N /N ]       [ N ]     [ N ]    [ N ]       [ N ]
```

RECOMMENDATIONS: (If different from NASA)

```
             [   /   ]      [   ]     [   ]    [   ]       [   ]
                                                         (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
OXIDIZER AND FUEL TANK ISOLATION VALVE 3/4/5 SWITCHES RE-ANALYZED
BY IOA. SEE ASSESSMENT IDs ARCS 12102X-12106X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1771   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1771
ITEM: L/R OX & FU CROSSFEED VLV 1/2 SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 1/2 SWITCHES RE-
ANALYZED BY IOA.   SEE ASSESSMENT IDs ARCS 12125X-12129X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1772
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1772
ITEM: L/R OX & FU CROSSFEED VLV 1/2 SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]				[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE   [   ]
                                              INADEQUATE [   ]

REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 1/2 SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12125X-12129X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1773   NASA DATA:
NASA FMEA #:   BASELINE [   ]
                                                    NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1773
ITEM: L/R OX & FU CROSSFEED VLV 1/2 SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]				
IOA	[3 /1R]	[P]	[P]	[P]	[ ] *
					[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

         [/   ]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 1/2 SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12125X-12129X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1774   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1774
ITEM: L/R OX & FU CROSSFEED VLV 1/2 SWITCH OPEN
CONTACTS 1, 2

LEAD ANALYST:

ASSESSMENT:

```
              CRITICALITY      REDUNDANCY SCREENS          CIL
                 FLIGHT                                   ITEM
               HDW/FUNC      A         B         C

      NASA   [   /   ]    [   ]     [   ]     [   ]      [   ] *
      IOA    [ 3 /2R ]    [ P ]     [ P ]     [ P ]      [   ]

COMPARE      [ N /N  ]    [ N ]     [ N ]     [ N ]      [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
              [   /   ]    [   ]     [   ]     [   ]      [    ]
                                                       (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                        INADEQUATE   [   ]
REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 1/2 SWITCHES RE-
ANALYZED BY IOA.   SEE ASSESSMENT IDs ARCS 12125X-12129X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1775   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1775
ITEM: L/R OX & FU CROSSFEED VLV 1/2 SWITCH OPEN
CONTACTS 1, 2

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 1/2 SWITCHES RE-
ANALYZED BY IOA.   SEE ASSESSMENT IDs ARCS 12125X-12129X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1776   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1776
ITEM: L/R OX & FU CROSSFEED VLV 1/2 SWITCH GPC
CONTACTS 3, 4

LEAD ANALYST:

ASSESSMENT:

```
          CRITICALITY       REDUNDANCY SCREENS        CIL
            FLIGHT                                     ITEM
          HDW/FUNC        A         B         C

  NASA   [   /   ]      [   ]     [   ]     [   ]     [   ] *
   IOA   [ 3 /3  ]      [   ]     [   ]     [   ]     [   ]

COMPARE  [ N /N  ]      [   ]     [   ]     [   ]     [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
          [   /   ]      [   ]     [   ]     [   ]         [   ]
                                                    (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 1/2 SWITCHES RE-
ANALYZED BY IOA.   SEE ASSESSMENT IDs ARCS 12125X-12129X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1777   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1777
ITEM: L/R OX & FU CROSSFEED VLV 1/2 SWITCH GPC
CONTACTS 3, 4

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [ ]   [ ]   [ ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 1/2 SWITCHES RE-
ANALYZED BY IOA.   SEE ASSESSMENT IDs ARCS 12125X-12129X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1778
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1778
ITEM: L/R OX & FU CROSSFEED VLV 1/2 SWITCH CLOSE
                  CONTACTS 5, 6

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)
          [/]   [   ]   [   ]   [   ]   [   ]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]

REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 1/2 SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12125X-12129X.

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1779   NASA DATA:
NASA FMEA #:   BASELINE [   ]
                                                       NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1779
ITEM: L/R OX & FU CROSSFEED VLV 1/2 SWITCH CLOSE
CONTACTS 5, 6

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]				
IOA	[3 /1R]	[P]	[P]	[P]	[ ] *
					[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

         [/   ]   [   ]   [   ]   [   ]
                                                      [   ]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                              ADEQUATE [   ]
REMARKS: INADEQUATE [   ]
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 1/2 SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12125X-12129X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1780   BASELINE [   ]
NASA FMEA #:   NEW   [   ]

SUBSYSTEM: ARCS
MDAC ID: 1780
ITEM: L/R OX & FU CROSSFEED VLV 1/2 SWITCH OPEN
CONTACTS 7, 8

LEAD ANALYST:

ASSESSMENT:

```
           CRITICALITY      REDUNDANCY SCREENS        CIL
             FLIGHT                                   ITEM
             HDW/FUNC      A         B         C

   NASA    [   /    ]    [   ]     [   ]     [   ]    [   ] *
   IOA     [ 3 /1R  ]    [ P ]     [ P ]     [ P ]    [   ]

COMPARE    [ N /N   ]    [ N ]     [ N ]     [ N ]    [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
           [   /    ]    [   ]     [   ]     [   ]    [   ]
                                                     (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 1/2 SWITCHES RE-
ANALYZED BY IOA.   SEE ASSESSMENT IDs ARCS 12125X-12129X.

REPORT DATE 2/26/88   C-1961

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1781   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1781
ITEM: L/R OX & FU CROSSFEED VLV 1/2 SWITCH OPEN
CONTACTS 7, 8

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

          [/]   [   ]   [   ]   [   ]   [   ]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 1/2 SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12125X-12129X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1782   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1782
ITEM: L/R OX & FU CROSSFEED VLV 1/2 SWITCH GPC
CONTACTS 9, 10

LEAD ANALYST:

ASSESSMENT:

```
            CRITICALITY      REDUNDANCY SCREENS          CIL
              FLIGHT                                      ITEM
             HDW/FUNC       A         B         C

   NASA   [    /    ]     [   ]     [   ]     [   ]      [   ] *
    IOA   [ 3 /3   ]     [   ]     [   ]     [   ]      [   ]

COMPARE   [ N /N   ]     [   ]     [   ]     [   ]      [   ]
```

RECOMMENDATIONS: (If different from NASA)

            [/   ]   [   ]   [   ]   [   ]   [   ]
                                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                           ADEQUATE   [   ]
                                         INADEQUATE   [   ]

REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 1/2 SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12125X-12129X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1783   NASA DATA:
NASA FMEA #:   BASELINE [ ]
                                      NEW [ ]

SUBSYSTEM: ARCS
MDAC ID: 1783
ITEM: L/R OX & FU CROSSFEED VLV 1/2 SWITCH GPC
CONTACTS 9, 10

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

      [/]   [ ]   [ ]   [ ]   [ ]
                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                               ADEQUATE [ ]
REMARKS: INADEQUATE [ ]
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 1/2 SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12125X-12129X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1784   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1784
ITEM: L/R OX & FU CROSSFEED VLV 1/2 SWITCH CLOSE
CONTACTS 11, 12

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]

REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 1/2 SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12125X-12129X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1785   NASA DATA:
NASA FMEA #:   BASELINE [   ]
                                                       NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1785
ITEM: L/R OX & FU CROSSFEED VLV 1/2 SWITCH CLOSE
CONTACTS 11, 12

LEAD ANALYST:

ASSESSMENT:

            CRITICALITY   REDUNDANCY SCREENS   CIL
             FLIGHT   ITEM
            HDW/FUNC   A   B   C

     NASA [/   ]   [   ]   [   ]   [   ]   [   ] *
     IOA   [3 /1R]   [F]   [F]   [P]   [X]

COMPARE   [N /N]   [N]   [N]   [N]   [N]

RECOMMENDATIONS: (If different from NASA)

            [/   ]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                            INADEQUATE [   ]
REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 1/2 SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12125X-12129X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1786   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1786
ITEM: MASTER RCS CROSSFEED SWITCH

LEAD ANALYST:

ASSESSMENT:

              CRITICALITY   REDUNDANCY SCREENS   CIL
                 FLIGHT   ITEM
               HDW/FUNC   A   B   C

     NASA   [/   ]   [   ]   [   ]   [   ]   [   ] *
      IOA   [2 /1R]   [P]   [P]   [P]   [X]

COMPARE   [N /N]   [N]   [N]   [N]   [N]

RECOMMENDATIONS: (If different from NASA)

            [/   ]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                       ADEQUATE   [   ]
                                     INADEQUATE   [   ]
REMARKS:
MASTER RCS CROSSFEED SWITCH 36 RE-ANALYZED BY IOA. SEE
ASSESSMENT IDs ARCS 12167X-12171X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1787   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1787
ITEM: MASTER RCS CROSSFEED SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
MASTER RCS CROSSFEED SWITCH 36 RE-ANALYZED BY IOA. SEE
ASSESSMENT IDs ARCS 12167X-12171X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1788
NASA FMEA #:

NASA DATA:
    BASELINE [   ]
         NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1788
ITEM: MASTER RCS CROSSFEED SWITCH FEED FROM RIGHT OR
FEED FROM LEFT SWITCH CONTACTS

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
MASTER RCS CROSSFEED SWITCH 36 RE-ANALYZED BY IOA. SEE
ASSESSMENT IDs ARCS 12167X-12171X.

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1789   NASA DATA:
NASA FMEA #:   BASELINE [   ]
                                                   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1789
ITEM: MASTER RCS CROSSFEED SWITCH FEED FROM RIGHT OR
FEED FROM LEFT SWITCH CONTACTS

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]				
IOA	[2 /1R]	[P]	[P]	[P]	[X] *
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

        [/]   [ ]   [ ]   [ ]   [   ]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                           ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
MASTER RCS CROSSFEED SWITCH 36 RE-ANALYZED BY IOA.   SEE
ASSESSMENT IDs ARCS 12167X-12171X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1790   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1790
ITEM: L/R OX & FU CROSSFEED VLV 3/4/5 SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                                 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                      INADEQUATE   [   ]

REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 3/4/5 SWITCH RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12146X-12150X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1791   NASA DATA:
NASA FMEA #:   BASELINE [   ]
                                                       NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1791
ITEM: L/R OX & FU CROSSFEED VLV 3/4/5 SWITCH

LEAD ANALYST:

ASSESSMENT:

                CRITICALITY   REDUNDANCY SCREENS
                  FLIGHT   CIL
                 HDW/FUNC   A   B   C   ITEM

        NASA   [/   ]   [   ]   [   ]   [   ]   [   ] *
        IOA   [3 /1R]   [P]   [P]   [P]   [   ]

COMPARE   [N /N   ]   [N]   [N]   [N]   [   ]

RECOMMENDATIONS: (If different from NASA)

               [/   ]   [   ]   [   ]   [   ]   [   ]
                                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                              ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 3/4/5 SWITCH RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12146X-12150X.

REPORT DATE 2/26/88   C-1972

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1792   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1792
ITEM: L/R OX & FU CROSSFEED VLV 3/4/5 SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[P]	[P]	[P]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

                [/]   [   ]   [   ]   [   ]   [   ]
                                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                           ADEQUATE   [   ]
                                         INADEQUATE   [   ]
REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 3/4/5 SWITCH RE-
ANALYZED BY IOA.   SEE ASSESSMENT IDs ARCS 12146X-12150X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1793   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1793
ITEM: L/R OX & FU CROSSFEED VLV 3/4/5 SWITCH OPEN
CONTACTS 1, 2

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different. from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 3/4/5 SWITCH RE-
ANALYZED BY IOA.   SEE ASSESSMENT IDs ARCS 12146X-12150X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1794   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1794
ITEM: L/R OX & FU CROSSFEED VLV 3/4/5 SWITCH OPEN
CONTACTS 1, 2

LEAD ANALYST:

ASSESSMENT:

```
          CRITICALITY      REDUNDANCY SCREENS          CIL
             FLIGHT                                    ITEM
            HDW/FUNC       A         B         C

   NASA   [   /   ]      [   ]     [   ]     [   ]     [   ] *
    IOA   [ 3 /2R ]      [ P ]     [ F ]     [ P ]     [ X ]

COMPARE   [ N /N  ]      [ N ]     [ N ]     [ N ]     [ N ]
```

RECOMMENDATIONS: (If different from NASA)

```
          [   /   ]      [   ]     [   ]     [   ]     [   ]
                                                      (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 3/4/5 SWITCH RE-
ANALYZED BY IOA.   SEE ASSESSMENT IDs ARCS 12146X-12150X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1795   BASELINE [   ]
NASA FMEA #:   NEW   [   ]

SUBSYSTEM: ARCS
MDAC ID: 1795
ITEM: L/R OX & FU CROSSFEED VLV 3/4/5 SWITCH GPC
CONTACTS 3, 4

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

         [/]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 3/4/5 SWITCH RE-
ANALYZED BY IOA.   SEE ASSESSMENT IDs ARCS 12146X-12150X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1796   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1796
ITEM: L/R OX & FU CROSSFEED VLV 3/4/5 SWITCH GPC
CONTACTS 3, 4

LEAD ANALYST:

ASSESSMENT:

```
                                                        CIL
           CRITICALITY    REDUNDANCY SCREENS            ITEM
              FLIGHT
             HDW/FUNC      A         B         C

    NASA   [   /   ]    [   ]    [   ]    [   ]      [   ] *
    IOA    [ 3 /3  ]    [   ]    [   ]    [   ]      [   ]

COMPARE    [ N /N  ]    [   ]    [   ]    [   ]      [   ]
```


RECOMMENDATIONS: (If different from NASA)

```
           [   /   ]    [   ]    [   ]    [   ]        [   ]
                                                   (ADD/DELETE)
```


* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                      INADEQUATE   [   ]

REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 3/4/5 SWITCH RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12146X-12150X.

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1797
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1797
ITEM: L/R OX & FU CROSSFEED VLV 3/4/5 SWITCH CLOSE
CONTACTS 5, 6

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	
IOA	[3 /2R]	[P]	[F]	[P]	[X] *
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                               (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 3/4/5 SWITCH RE-
ANALYZED BY IOA.   SEE ASSESSMENT IDs ARCS 12146X-12150X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1798   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1798
ITEM: L/R OX & FU CROSSFEED VLV 3/4/5 SWITCH CLOSE
CONTACTS 5, 6

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[F]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 3/4/5 SWITCH RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12146X-12150X.

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1799   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1799
ITEM: L/R OX & FU CROSSFEED VLV 3/4/5 SWITCH OPEN
CONTACTS 7, 8

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [ ]   [ ]   [ ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 3/4/5 SWITCH RE-
ANALYZED BY IOA.   SEE ASSESSMENT IDs ARCS 12146X-12150X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1800   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1800
ITEM: L/R OX & FU CROSSFEED VLV 3/4/5 SWITCH OPEN
CONTACTS 7, 8

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]				
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                               (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]

REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 3/4/5 SWITCH RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12146X-12150X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1801
NASA FMEA #:

NASA DATA:
  BASELINE [   ]
       NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1801
ITEM: L/R OX & FU CROSSFEED VLV 3/4/5 SWITCH GPC
CONTACTS 9, 10

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                           (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]
REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 3/4/5 SWITCH RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12146X-12150X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1802   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1802
ITEM: L/R OX & FU CROSSFEED VLV 3/4/5 SWITCH GPC
CONTACTS 9, 10

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/]   [ ]   [ ]   [ ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]
REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 3/4/5 SWITCH RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12146X-12150X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1803   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1803
ITEM: L/R OX & FU CROSSFEED VLV 3/4/5 SWITCH CLOSE
CONTACTS 11, 12

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

    [/]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 3/4/5 SWITCH RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12146X-12150X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1804
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1804
ITEM: L/R OX & FU CROSSFEED VLV 3/4/5 SWITCH CLOSE
CONTACTS 11, 12

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[F]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                   ADEQUATE   [   ]
                                   INADEQUATE [   ]

REMARKS:
LEFT AND RIGHT OXIDIZER AND FUEL CROSSFEED VALVE 3/4/5 SWITCH RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12146X-12150X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1805   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1805
ITEM: MANIFOLD 1, L/R OX & FU ISOL VLV SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
AFT MANIFOLD 1, LEFT AND RIGHT, OXIDIZER AND FUEL ISOLATION VALVE
SWITCH RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12172X-
12176X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1806   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1806
ITEM: MANIFOLD 1, L/R OX & FU ISOL VLV SWITCH

LEAD ANALYST:

ASSESSMENT:

```
             CRITICALITY     REDUNDANCY SCREENS          CIL
                FLIGHT                                    ITEM
                HDW/FUNC      A        B        C

     NASA    [   /   ]      [   ]    [   ]    [   ]      [   ] *
      IOA    [ 3 /2R ]      [ P ]    [ P ]    [ P ]      [   ]

  COMPARE    [ N /N  ]      [ N ]    [ N ]    [ N ]      [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
             [   /   ]    [   ]    [   ]    [   ]      [   ]
                                                   (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]

REMARKS:
AFT MANIFOLD 1, LEFT AND RIGHT, OXIDIZER AND FUEL ISOLATION VALVE
SWITCH RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12172X-
12176X.

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1807
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1807
ITEM: MANIFOLD 1, L/R OX & FU ISOL VLV SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
AFT MANIFOLD 1, LEFT AND RIGHT, OXIDIZER AND FUEL ISOLATION VALVE
SWITCH RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12172X-
12176X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1808   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1808
ITEM: MANIFOLD 1, L/R OX & FU ISOL VLV SWITCH OPEN
CONTACTS 1, 2

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
AFT MANIFOLD 1, LEFT AND RIGHT, OXIDIZER AND FUEL ISOLATION VALVE
SWITCH RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12172X-
12176X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1809   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1809
ITEM: MANIFOLD 1, L/R OX & FU ISOL VLV SWITCH OPEN
CONTACTS 1, 2

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

             [/   ]   [   ]   [   ]   [   ]   [   ]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                          INADEQUATE   [   ]
REMARKS:
AFT MANIFOLD 1, LEFT AND RIGHT, OXIDIZER AND FUEL ISOLATION VALVE
SWITCH RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12172X-
12176X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1810   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1810
ITEM: MANIFOLD 1, L/R OX & FU ISOL VLV SWITCH GPC
CONTACTS 3, 4

LEAD ANALYST:

ASSESSMENT:

```
            CRITICALITY      REDUNDANCY SCREENS          CIL
               FLIGHT                                    ITEM
             HDW/FUNC      A         B         C

   NASA    [   /   ]     [   ]     [   ]     [   ]      [   ] *
    IOA    [ 3 /3  ]     [   ]     [   ]     [   ]      [   ]

COMPARE    [ N /N  ]     [   ]     [   ]     [   ]      [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
            [   /   ]     [   ]     [   ]     [   ]      [   ]
                                                      (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]

REMARKS:
AFT MANIFOLD 1, LEFT AND RIGHT, OXIDIZER AND FUEL ISOLATION VALVE
SWITCH RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12172X-
12176X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1811   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1811
ITEM: MANIFOLD 1, L/R OX & FU ISOL VLV SWITCH GPC
CONTACTS 3, 4

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

            [/   ]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
AFT MANIFOLD 1, LEFT AND RIGHT, OXIDIZER AND FUEL ISOLATION VALVE
SWITCH RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12172X-
12176X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1812   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1812
ITEM: MANIFOLD 1, L/R OX & FU ISOL VLV SWITCH CLOSE
CONTACTS 5, 6

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

         [/   ]   [   ]   [   ]   [   ]   [   ]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
AFT MANIFOLD 1, LEFT AND RIGHT, OXIDIZER AND FUEL ISOLATION VALVE
SWITCH RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12172X-
12176X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1813   BASELINE [   ]
NASA FMEA #:   NEW   [   ]

SUBSYSTEM: ARCS
MDAC ID: 1813
ITEM: MANIFOLD 1, L/R OX & FU ISOL VLV SWITCH CLOSE
CONTACTS 5, 6

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

     [/   ]   [   ]   [   ]   [   ]   [   ]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
AFT MANIFOLD 1, LEFT AND RIGHT, OXIDIZER AND FUEL ISOLATION VALVE
SWITCH RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12172X-
12176X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1814   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1814
ITEM: MANIFOLD 2, L/R OX & FU ISOL VLV SWITCH

LEAD ANALYST:

ASSESSMENT:

```
            CRITICALITY      REDUNDANCY SCREENS          CIL
               FLIGHT                                    ITEM
             HDW/FUNC       A         B         C

   NASA    [   /   ]      [   ]     [   ]     [   ]     [   ] *
   IOA     [ 3 /3  ]      [   ]     [   ]     [   ]     [   ]

COMPARE    [ N /N  ]      [   ]     [   ]     [   ]     [   ]
```

RECOMMENDATIONS: (If different from NASA)

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           [   /   ]      [   ]     [   ]     [   ]        [   ]
                                                       (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
AFT MANIFOLD 2, LEFT AND RIGHT, FUEL AND OXIDIZER SWITCHES RE-
ANALYZED BY IOA.   SEE ASSESSMENT IDs ARCS 12177X-12181X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1815   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1815
ITEM: MANIFOLD 2, L/R OX & FU ISOL VLV SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
AFT MANIFOLD 2, LEFT AND RIGHT, FUEL AND OXIDIZER SWITCHES RE-
ANALYZED BY IOA.   SEE ASSESSMENT IDs ARCS 12177X-12181X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1816   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1816
ITEM: MANIFOLD 2, L/R OX & FU ISOL VLV SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

      [/   ]   [   ]   [   ]   [   ]   [   ]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
AFT MANIFOLD 2, LEFT AND RIGHT, FUEL AND OXIDIZER SWITCHES RE-
ANALYZED BY IOA.   SEE ASSESSMENT IDs ARCS 12177X-12181X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1817   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1817
ITEM: MANIFOLD 2, L/R OX & FU ISOL VLV SWITCH OPEN
CONTACTS 1, 2

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

        [/]   [ ]   [ ]   [ ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
AFT MANIFOLD 2, LEFT AND RIGHT, FUEL AND OXIDIZER SWITCHES RE-
ANALYZED BY IOA.   SEE ASSESSMENT IDs ARCS 12177X-12181X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
                                             BASELINE [   ]
ASSESSMENT ID: ARCS-1818   NEW [   ]
NASA FMEA #:

SUBSYSTEM: ARCS
MDAC ID: 1818
ITEM: MANIFOLD 2, L/R OX & FU ISOL VLV SWITCH OPEN
CONTACTS 1, 2

LEAD ANALYST:

ASSESSMENT:
                                                         CIL
             CRITICALITY   REDUNDANCY SCREENS   ITEM
               FLIGHT
               HDW/FUNC   A   B   C

     NASA   [/   ]   [   ]   [   ]   [   ]   [   ] *
      IOA   [3 /3]   [   ]   [   ]   [   ]   [   ]

  COMPARE   [N /N]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

           [/   ]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE   [   ]
                                             INADEQUATE   [   ]

REMARKS:
AFT MANIFOLD 2, LEFT AND RIGHT, FUEL AND OXIDIZER SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12177X-12181X.

REPORT DATE 2/26/88   C-1999

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1819
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1819
ITEM: MANIFOLD 2, L/R OX & FU ISOL VLV SWITCH GPC
CONTACTS 3, 4

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
AFT MANIFOLD 2, LEFT AND RIGHT, FUEL AND OXIDIZER SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12177X-12181X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1820
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1820
ITEM: MANIFOLD 2, L/R OX & FU ISOL VLV SWITCH GPC
CONTACTS 3, 4

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
AFT MANIFOLD 2, LEFT AND RIGHT, FUEL AND OXIDIZER SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12177X-12181X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1821
NASA FMEA #:

NASA DATA:
  BASELINE [   ]
       NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1821
ITEM: MANIFOLD 2, L/R OX & FU ISOL VLV SWITCH CLOSE
CONTACTS 5, 6

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

      [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                      ADEQUATE   [   ]
                                      INADEQUATE [   ]
REMARKS:
AFT MANIFOLD 2, LEFT AND RIGHT, FUEL AND OXIDIZER SWITCHES RE-
ANALYZED BY IOA.   SEE ASSESSMENT IDs ARCS 12177X-12181X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1822   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1822
ITEM: MANIFOLD 2, L/R OX & FU ISOL VLV SWITCH CLOSE
CONTACTS 5, 6

LEAD ANALYST:

ASSESSMENT:

```
          CRITICALITY      REDUNDANCY SCREENS         CIL
             FLIGHT                                   ITEM
           HDW/FUNC        A       B       C

    NASA  [   /   ]      [   ]   [   ]   [   ]      [   ] *
    IOA   [ 3 /2R ]      [ P ]   [ F ]   [ P ]      [ X ]

COMPARE   [ N /N  ]      [ N ]   [ N ]   [ N ]      [ N ]
```

RECOMMENDATIONS: (If different from NASA)

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          [   /   ]      [   ]   [   ]   [   ]         [   ]
                                                    (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
AFT MANIFOLD 2, LEFT AND RIGHT, FUEL AND OXIDIZER SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12177X-12181X.

REPORT DATE 2/26/88   C-2003

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1823   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1823
ITEM: MANIFOLD 3, L/R OX & FU ISOL VLV SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

              [/]   [ ]   [ ]   [ ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
AFT MANIFOLD 3, LEFT AND RIGHT, OXIDIZER AND FUEL SWITCHES RE-
ANALYZED BY IOA.   SEE ASSESSMENT IDs ARCS 12182X-12186X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1824
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1824
ITEM: MANIFOLD 3, L/R OX & FU ISOL VLV SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]				[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
AFT MANIFOLD 3, LEFT AND RIGHT, OXIDIZER AND FUEL SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12182X-12186X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1825   NASA DATA:
NASA FMEA #:   BASELINE [   ]
                                             NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1825
ITEM: MANIFOLD 3, L/R OX & FU ISOL VLV SWITCH

LEAD ANALYST:

ASSESSMENT:

              CRITICALITY   REDUNDANCY SCREENS
                FLIGHT   CIL
               HDW/FUNC   A   B   C   ITEM

       NASA   [/   ]
       IOA   [3 /2R]   [P]   [P]   [P]   [   ] *
                                                          [   ]
COMPARE   [N /N   ]   [N]   [N]   [N]
                                                          [   ]

RECOMMENDATIONS: (If different from NASA)

             [/   ]   [   ]   [   ]   [   ]
                                                          [   ]
                                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                           ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
AFT MANIFOLD 3, LEFT AND RIGHT, OXIDIZER AND FUEL SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12182X-12186X.

REPORT DATE 2/26/88   C-2006

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1826   BASELINE [   ]
NASA FMEA #:   NEW   [   ]

SUBSYSTEM: ARCS
MDAC ID: 1826
ITEM: MANIFOLD 3, L/R OX & FU ISOL VLV SWITCH OPEN
CONTACTS 1, 2

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
AFT MANIFOLD 3, LEFT AND RIGHT, OXIDIZER AND FUEL SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12182X-12186X.

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1827   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1827
ITEM: MANIFOLD 3, L/R OX & FU ISOL VLV SWITCH OPEN
CONTACTS 1, 2

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

            [/]   [ ]   [ ]   [ ]   [ ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
AFT MANIFOLD 3, LEFT AND RIGHT, OXIDIZER AND FUEL SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12182X-12186X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1828   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1828
ITEM: MANIFOLD 3, L/R OX & FU ISOL VLV SWITCH GPC
CONTACTS 3, 4

LEAD ANALYST:

ASSESSMENT:

            CRITICALITY   REDUNDANCY SCREENS   CIL
              FLIGHT   ITEM
            HDW/FUNC   A   B   C

     NASA [/   ]   [   ]   [   ]   [   ]   [   ] *
      IOA [3 /3]   [   ]   [   ]   [   ]   [   ]

  COMPARE [N /N]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                      INADEQUATE   [   ]
REMARKS:
AFT MANIFOLD 3, LEFT AND RIGHT, OXIDIZER AND FUEL SWITCHES RE-
ANALYZED BY IOA.   SEE ASSESSMENT IDs ARCS 12182X-12186X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1829   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1829
ITEM: MANIFOLD 3, L/R OX & FU ISOL VLV SWITCH GPC
CONTACTS 3, 4

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/]   [ ]   [ ]   [ ]   [   ]
                                                 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                         INADEQUATE [   ]
REMARKS:
AFT MANIFOLD 3, LEFT AND RIGHT, OXIDIZER AND FUEL SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12182X-12186X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1830   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1830
ITEM: MANIFOLD 3, L/R OX & FU ISOL VLV SWITCH CLOSE
CONTACTS 5, 6

LEAD ANALYST:

ASSESSMENT:

```
              CRITICALITY      REDUNDANCY SCREENS            CIL
                 FLIGHT                                      ITEM
               HDW/FUNC       A        B        C

     NASA    [   /   ]      [   ]    [   ]    [   ]        [   ] *
      IOA    [ 3 /3  ]      [   ]    [   ]    [   ]        [   ]

  COMPARE    [ N /N  ]      [   ]    [   ]    [   ]        [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
              [   /   ]      [   ]    [   ]    [   ]          [   ]
                                                          (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                          INADEQUATE   [   ]

REMARKS:
AFT MANIFOLD 3, LEFT AND RIGHT, OXIDIZER AND FUEL SWITCHES RE-
ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12182X-12186X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1831   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1831
ITEM: MANIFOLD 3, L/R OX & FU ISOL VLV SWITCH CLOSE
CONTACTS 5, 6

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
AFT MANIFOLD 3, LEFT AND RIGHT, OXIDIZER AND FUEL SWITCHES RE-
ANALYZED BY IOA.   SEE ASSESSMENT IDs ARCS 12182X-12186X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1832   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1832
ITEM: MANIFOLD 4, L/R OX & FU ISOL VLV SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [ ]   [ ]   [ ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]
REMARKS:
MANIFOLD 4, LEFT AND RIGHT, OXIDIZER AND FUEL ISOLATION VALVE
SWITCHES RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12187X-
12191X.

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1833   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1833
ITEM: MANIFOLD 4, L/R OX & FU ISOL VLV SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                          INADEQUATE   [   ]

REMARKS:
MANIFOLD 4, LEFT AND RIGHT, OXIDIZER AND FUEL ISOLATION VALVE
SWITCHES RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12187X-
12191X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1834   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1834
ITEM: MANIFOLD 4, L/R OX & FU ISOL VLV SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]				[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
MANIFOLD 4, LEFT AND RIGHT, OXIDIZER AND FUEL ISOLATION VALVE
SWITCHES RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12187X-
12191X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1835
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1835
ITEM: MANIFOLD 4, L/R OX & FU ISOL VLV SWITCH OPEN
COMMAND 1, 2

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
MANIFOLD 4, LEFT AND RIGHT, OXIDIZER AND FUEL ISOLATION VALVE
SWITCHES RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12187X-
12191X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1836
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1836
ITEM: MANIFOLD 4, L/R OX & FU ISOL VLV SWITCH OPEN
COMMAND 1, 2

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
MANIFOLD 4, LEFT AND RIGHT, OXIDIZER AND FUEL ISOLATION VALVE
SWITCHES RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12187X-
12191X.

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1837
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1837
ITEM: MANIFOLD 4, L/R OX & FU ISOL VLV SWITCH GPC
COMMAND 3, 4

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [.]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
MANIFOLD 4, LEFT AND RIGHT, OXIDIZER AND FUEL ISOLATION VALVE
SWITCHES RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12187X-
12191X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1838
NASA FMEA #:

NASA DATA:
   BASELINE [   ]
       NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1838
ITEM: MANIFOLD 4, L/R OX & FU ISOL VLV SWITCH GPC
COMMAND 3, 4

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

   [/   ]   [   ]   [   ]   [   ]   [   ]
                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                  ADEQUATE   [   ]
                                  INADEQUATE [   ]

REMARKS:
MANIFOLD 4, LEFT AND RIGHT, OXIDIZER AND FUEL ISOLATION VALVE
SWITCHES RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12187X-
12191X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1839
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1839
ITEM: MANIFOLD 4, L/R OX & FU ISOL VLV SWITCH CLOSE
COMMAND 5, 6

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
MANIFOLD 4, LEFT AND RIGHT, OXIDIZER AND FUEL ISOLATION VALVE
SWITCHES RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12187X-
12191X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1840   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1840
ITEM: MANIFOLD 4, L/R OX & FU ISOL VLV SWITCH CLOSE
COMMAND 5, 6

LEAD ANALYST:

ASSESSMENT:
                                                        CIL
              CRITICALITY   REDUNDANCY SCREENS   ITEM
              FLIGHT
              HDW/FUNC   A   B   C

       NASA   [/ 2R]   [P]   [F]   [P]   [X] *
       IOA   [3 /2R]   [P]   [F]   [P]   [X]
                                                        [N]

     COMPARE [N /N]   [N]   [N]   [N]   [N]

RECOMMENDATIONS: (If different from NASA)

          [/]   [   ]   [   ]   [   ]   [   ]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE   [   ]
                                              INADEQUATE   [   ]

REMARKS:
MANIFOLD 4, LEFT AND RIGHT, OXIDIZER AND FUEL ISOLATION VALVE
SWITCHES RE-ANALYZED BY IOA. SEE ASSESSMENT IDs ARCS 12187X-
12191X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1841   NASA DATA:
NASA FMEA #:   BASELINE [   ]
                                                    NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1841
ITEM: MANIFOLD 5, L/R OX & FU ISOL VLV SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

    [/]   [ ]   [ ]   [ ]   [   ]
                                         (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                         ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1842
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1842
ITEM: MANIFOLD 5, L/R OX & FU ISOL VLV SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]				[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE [   ]
                                                INADEQUATE [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1843
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1843
ITEM: MANIFOLD 5, L/R OX & FU ISOL VLV SWITCH

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]				
IOA	[3 /2R]	[P]	[P]	[P]	[ ] *
					[ ]
COMPARE	[N /N]	[N]	[N]	[N]	
					[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]

[   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1844
NASA FMEA #:

NASA DATA:
  BASELINE [   ]
      NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1844
ITEM: MANIFOLD 5, L/R OX & FU ISOL VLV SWITCH OPEN
CONTACTS 1, 2

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                              ADEQUATE   [   ]
                            INADEQUATE [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1845   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1845
ITEM: MANIFOLD 5, L/R OX & FU ISOL VLV SWITCH OPEN
CONTACTS 1, 2

LEAD ANALYST:

ASSESSMENT:

                CRITICALITY   REDUNDANCY SCREENS   CIL
                  FLIGHT   ITEM
                 HDW/FUNC   A   B   C

        NASA   [/   ]   [   ]   [   ]   [   ]   [   ] *
         IOA   [3 /3]   [   ]   [   ]   [   ]   [   ]

COMPARE [N /N]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

           [/   ]   [   ]   [   ]   [   ]   [   ]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                        INADEQUATE   [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1846   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1846
ITEM: MANIFOLD 5, L/R OX & FU ISOL VLV SWITCH GPC
CONTACTS 3, 4

LEAD ANALYST:

ASSESSMENT:

```
            CRITICALITY     REDUNDANCY SCREENS          CIL
              FLIGHT                                     ITEM
             HDW/FUNC      A         B         C

   NASA    [   /   ]    [    ]    [    ]    [    ]     [    ] *
    IOA    [ 3 /3  ]    [    ]    [    ]    [    ]     [    ]

COMPARE    [ N /N  ]    [    ]    [    ]    [    ]     [    ]


RECOMMENDATIONS:   (If different from NASA)

           [   /   ]    [    ]    [    ]    [    ]      [    ]
                                                    (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1847   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1847
ITEM: MANIFOLD 5, L/R OX & FU ISOL VLV SWITCH GPC
CONTACTS 3, 4

LEAD ANALYST:

ASSESSMENT:

```
                CRITICALITY      REDUNDANCY SCREENS          CIL
                  FLIGHT                                     ITEM
                 HDW/FUNC        A        B        C

        NASA   [   /   ]       [   ]    [   ]    [   ]      [   ] *
        IOA    [ 3 /3  ]       [   ]    [   ]    [   ]      [   ]

COMPARE        [ N /N  ]       [   ]    [   ]    [   ]      [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
               [   /   ]       [   ]    [   ]    [   ]        [   ]
                                                           (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1848   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1848
ITEM: MANIFOLD 5, L/R OX & FU ISOL VLV SWITCH CLOSE
CONTACTS 5, 6

LEAD ANALYST:

ASSESSMENT:

              CRITICALITY   REDUNDANCY SCREENS   CIL
                 FLIGHT   ITEM
               HDW/FUNC   A   B   C

     NASA   [/   ]   [   ]   [   ]   [   ]   [   ] *
     IOA   [3 /3]   [   ]   [   ]   [   ]   [   ]

COMPARE   [N /N]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

           [/   ]   [   ]   [   ]   [   ]   [   ]
                                                         (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                       INADEQUATE   [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1849   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1849
ITEM: MANIFOLD 5, L/R OX & FU ISOL VLV SWITCH CLOSE
CONTACTS 5, 6

LEAD ANALYST:

ASSESSMENT:

            CRITICALITY   REDUNDANCY SCREENS   CIL
              FLIGHT   ITEM
            HDW/FUNC   A   B   C

    NASA [/   ]   [   ]   [   ]   [   ]   [   ] *
    IOA   [3 /2R]   [P]   [F]   [P]   [X]

COMPARE   [N /N]   [N]   [N]   [N]   [N]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1850   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1850
ITEM: MANIFOLD 5, L/R OX & FU ISOL VLV SWITCH OPEN
CONTACTS 7, 8

LEAD ANALYST:

ASSESSMENT:

```
            CRITICALITY      REDUNDANCY SCREENS           CIL
               FLIGHT                                     ITEM
              HDW/FUNC      A         B         C

   NASA    [   /   ]      [   ]     [   ]     [   ]      [   ] *
   IOA     [ 3 /2R ]      [ P ]     [ F ]     [ P ]      [ X ]

COMPARE    [ N /N ]       [ N ]     [ N ]     [ N ]      [ N ]
```

RECOMMENDATIONS: (If different from NASA)

```
            [   /   ]     [   ]     [   ]     [   ]        [    ]
                                                        (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                         INADEQUATE [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1851   BASELINE [   ]
NASA FMEA #:   NEW   [   ]

SUBSYSTEM: ARCS
MDAC ID: 1851
ITEM: MANIFOLD 5, L/R OX & FU ISOL VLV SWITCH OPEN
CONTACTS 7, 8

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1852
NASA FMEA #:

NASA DATA:
  BASELINE [   ]
       NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1852
ITEM: MANIFOLD 5, L/R OX & FU ISOL VLV SWITCH GPC
CONTACTS 9, 10

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[N /N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1853
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1853
ITEM: MANIFOLD 5, L/R OX & FU ISOL VLV SWITCH GPC
CONTACTS 9, 10

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[F]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: NASA DATA:
ASSESSMENT ID: ARCS-1854   BASELINE [   ]
NASA FMEA #:   NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1854
ITEM: MANIFOLD 5, L/R OX & FU ISOL VLV SWITCH CLOSE
CONTACTS 11, 12

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[N /N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                     ADEQUATE [   ]
                                   INADEQUATE [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE:
ASSESSMENT ID: ARCS-1855
NASA FMEA #:

NASA DATA:
BASELINE [   ]
NEW [   ]

SUBSYSTEM: ARCS
MDAC ID: 1855
ITEM: MANIFOLD 5, L/R OX & FU ISOL VLV SWITCH CLOSE
CONTACTS 11, 12

LEAD ANALYST:

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[/]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[F]	[F]	[P]	[X]
COMPARE	[N /N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
AFT MANIFOLD ISOLATION VALVE #5 RE-ANALYZED BY IOA DUE TO CHANGE
IN CIRCUITRY. SEE ASSESSMENT IDs ARCS 12001X-12075X.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1856   BASELINE [   ]
NASA FMEA #:   05-6KA-2159-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1856
ITEM: L/R OX & FU CROSSFEED VLV 1/2 & 3/4/5 SWITCH
TALKBACK

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [3 /2R]   [P]   [P]   [P]   [   ]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
AGREE WITH IOA ANALYSIS.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1857
NASA FMEA #:   05-6KA-2153-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1857
ITEM: L/R OX & FU TK ISOL VLV 1/2 SWITCH TALKBACK

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1858   BASELINE [   ]
NASA FMEA #:   05-6KA-2154-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1858
ITEM: L/R OX & FU TK ISOL VLV 3/4/5 A OR B SWITCH
TALKBACK

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /2R]   [P]   [P]   [P]   [D]
                                           (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                   ADEQUATE   [   ]
                                   INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES.   THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE POSITION.   REDUNDANCY
PROVIDED.   LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED.   IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1858A   BASELINE [   ]
NASA FMEA #:   05-6KA-2154-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1858
ITEM: L/R OX & FU TK ISOL VLV 3/4/5 A OR B SWITCH
TALKBACK

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [3 /2R]   [P]   [P]   [P]   [   ]
                                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                              ADEQUATE   [   ]
                                            INADEQUATE   [   ]
REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1859   BASELINE [   ]
NASA FMEA #:   05-6KA-2155-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1859
ITEM: MANIFOLD 1, 2, 3, 4, 5, L/R OX & FU VLV SWITCH
TALKBACK

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[N /]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

          [3 /2R]   [P]   [P]   [P]   [D]
                                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                              ADEQUATE   [   ]
                                              INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES.   THIS FAILURE MAY CAUSE
LOSS OF ACCURATE INDICATION OF THE VALVE POSITION.   REDUNDANCY
PROVIDED.   LOSS OF ALL REDUNDANCY MAY LEAD TO FALSELY FAILING THE
VALVE CLOSED, POSSIBLY EFFECTING MISSION OPERATIONS.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED.   IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1859A   BASELINE [   ]
NASA FMEA #: 05-6KA-2155-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1859
ITEM: MANIFOLD 1, 2, 3, 4, 5, L/R OX & FU VLV SWITCH
TALKBACK

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /1R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

  [3 /2R] [P] [P] [P]   [   ]
                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
              ADEQUATE [   ]
             INADEQUATE [   ]

REMARKS:
THIS FAILURE MAY CAUSE LOSS OF ACCURATE INDICATION OF THE VALVE
POSITION. REDUNDANCY PROVIDED. LOSS OF ALL REDUNDANCY MAY LEAD
TO FALSELY FAILING THE VALVE CLOSED, POSSIBLY EFFECTING MISSION
OPERATIONS.

ISSUE NOT RESOLVED AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1860   BASELINE [ ]
NASA FMEA #:   03-2A-203350-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1860
ITEM: L/R FU TANK ULLAGE PPRESS SENSOR

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

       [/]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1861   BASELINE [   ]
NASA FMEA #:   03-2A-203350-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1861
ITEM: L/R FU TANK ULLAGE PPRESS SENSOR

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1862
NASA FMEA #: 03-2A-203350-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1862
ITEM: L/R FU TANK OUT PRESS SENSOR

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1863   NASA DATA:
NASA FMEA #:   03-2A-203350-2   BASELINE [   ]
                                                 NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1863
ITEM: L/R FU TANK OUT PRESS SENSOR

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1864   BASELINE [   ]
NASA FMEA #:   03-2A-203350-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1864
ITEM: L/R OX TANK ULLAGE PPRESS SENSOR

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

         [/   ]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1865   BASELINE [   ]
NASA FMEA #:   03-2A-203350-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1865
ITEM: L/R OX TANK ULLAGE PPRESS SENSOR

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [   ]
                                    INADEQUATE   [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1866   BASELINE [   ]
NASA FMEA #:   03-2A-203350-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1866
ITEM: L/R OX TANK OUT PRESS SENSOR

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1867   NASA DATA:
NASA FMEA #:   03-2A-203350-2   BASELINE [   ]
                                                     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1867
ITEM: L/R OX TANK OUT PRESS SENSOR

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

            CRITICALITY   REDUNDANCY SCREENS   CIL
              FLIGHT   ITEM
             HDW/FUNC   A   B   C

      NASA [3 /2R]   [P]   [P]   [P]   [   ] *
       IOA [3 /3]   [   ]   [   ]   [   ]   [   ]

COMPARE   [/N]   [N]   [N]   [N]   [   ]

RECOMMENDATIONS: (If different from NASA)

           [/   ]   [   ]   [   ]   [   ]   [   ]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1868   BASELINE [   ]
NASA FMEA #:   03-2A-203365-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1868
ITEM: L/R FU TANK TEMP-1 TEMP SENSOR

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
            CRITICALITY    REDUNDANCY SCREENS        CIL
               FLIGHT                                ITEM
             HDW/FUNC      A        B        C

    NASA   [ 3 /2R ]    [ P ]    [ P ]    [ P ]    [   ] *
    IOA    [ 3 /3  ]    [   ]    [   ]    [   ]    [   ]

COMPARE    [  /N  ]     [ N ]    [ N ]    [ N ]    [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
           [  /  ]      [   ]    [   ]    [   ]       [   ]
                                                   (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1869
NASA FMEA #: 03-2A-203365-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1869
ITEM: L/R FU TANK TEMP-1 TEMP SENSOR

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                   ADEQUATE   [ ]
                                   INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1870
NASA FMEA #: 03-2A-203365-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1870
ITEM: L/R OX TANK TEMP-1 TEMP SENSOR

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1871
NASA FMEA #: 03-2A-203365-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1871
ITEM: L/R OX TANK TEMP-1 TEMP SENSOR

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /2R]	[P]	[P]	[P]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1872   BASELINE [   ]
NASA FMEA #:   05-6KA-2179-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1872
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
            CRITICALITY      REDUNDANCY SCREENS        CIL
              FLIGHT                                   ITEM
             HDW/FUNC      A          B          C

    NASA   [ 3 /1R ]    [ P ]      [ F ]      [ P ]    [ X ] *
    IOA    [ 3 /2R ]    [ P ]      [ P ]      [ P ]    [   ]

COMPARE    [   /N ]     [   ]      [ N ]      [   ]    [ N ]
```


RECOMMENDATIONS: (If different from NASA)

```
          [ 3 /3 ]     [   ]    [   ]    [   ]       [ D ]
                                                  (ADD/DELETE)
```


* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                       INADEQUATE   [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS RPC INADVERTENTLY
OPERATING ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1873   BASELINE [   ]
NASA FMEA #:   05-6KA-2179-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1873
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                       INADEQUATE   [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1874
NASA FMEA #:   05-6KA-2179-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1874
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
		[P]	[P]	[P]	[ ]
IOA	[3 /2R]				[N]
COMPARE	[/N]	[ ]	[N]	[ ]	

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [   ]   [   ]   [   ]   [D]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE   [   ]
                                              INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS RPC INADVERTENTLY
OPERATING ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1875
NASA FMEA #: 05-6KA-2179-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1875
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	
IOA	[3 /2R]	[P]	[P]	[P]	[ ] *
					[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1876   BASELINE [   ]
NASA FMEA #:   05-6KA-2180-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1876
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
          CRITICALITY     REDUNDANCY SCREENS        CIL
            FLIGHT                                   ITEM
           HDW/FUNC      A         B         C

   NASA   [ 3 /3 ]     [   ]     [   ]     [   ]     [   ] *
    IOA   [ 3 /3 ]     [   ]     [   ]     [   ]     [   ]

COMPARE   [   /   ]     [   ]     [   ]     [   ]     [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
          [   /   ]     [   ]     [   ]     [   ]     [   ]
                                                    (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1877   BASELINE [   ]
NASA FMEA #:   05-6KA-2180-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1877
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

         [/]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1878
NASA FMEA #: 05-6KA-2180-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1878
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1879
NASA FMEA #: 05-6KA-2180-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1879
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	
IOA	[3 /2R]	[P]	[P]	[P]	[ ] *
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1880
NASA FMEA #:   05-6KA-2179-2

NASA DATA:
  BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1880
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /3]	[ ]	[ ]	[ ]	[D]
				(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS RPC INADVERTENTLY
OPERATING ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1881   BASELINE [   ]
NASA FMEA #:   05-6KA-2179-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1881
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1882   BASELINE [   ]
NASA FMEA #:   05-6KA-2180-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1882
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
            CRITICALITY      REDUNDANCY SCREENS           CIL
              FLIGHT                                      ITEM
             HDW/FUNC       A         B         C

   NASA1224H[/3 ]        [   ]     [   ]     [   ]      [   ] *
      IOA  [ 3 /3 ]      [   ]     [   ]     [   ]      [   ]

COMPARE  [   /   ]       [   ]     [   ]     [   ]      [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
         [   /   ]      [   ]     [   ]     [   ]        [   ]
                                                     (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                       ADEQUATE   [   ]
                                     INADEQUATE   [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1883   NASA DATA:
NASA FMEA #:   05-6KA-2180-1   BASELINE [   ]
                                        NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1883
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1884   BASELINE [   ]
NASA FMEA #:   05-6KA-2179-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1884
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

            [3 /3]   [   ]   [   ]   [   ]   [D&a4680H]
                                                         (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS RPC INADVERTENTLY
OPERATING ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

REPORT DATE 2/26/88   C-2067

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1885
NASA FMEA #:   05-6KA-2179-1

NASA DATA:
  BASELINE [   ]
       NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1885
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                  INADEQUATE   [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1886
NASA FMEA #: 05-6KA-2180-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1886
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1887
NASA FMEA #:   05-6KA-2180-1

NASA DATA:
  BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1887
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM	
		A	B	C		
NASA	[3 /1R]	[P]	[P]	[P]	[ ]	*
IOA	[3 /2R]	[P]	[P]	[P]	[ ]	
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]	

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1888
NASA FMEA #: 05-6KA-2179-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1888
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1889
NASA FMEA #:   05-6KA-2179-2

NASA DATA:
BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1889
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

       [3 /3]   [   ]   [   ]   [   ]   [D]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS RPC INADVERTENTLY
OPERATING ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1890   BASELINE [   ]
NASA FMEA #:   05-6KA-2179-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1890
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1891
NASA FMEA #:   05-6KA-2179-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1891
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [   ]   [   ]   [   ]   [D]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS RPC INADVERTENTLY
OPERATING ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

REPORT DATE 2/26/88   C-2074

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1892   NASA DATA:
NASA FMEA #:   05-6KA-2180-2   BASELINE [   ]
                                             NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1892
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [   ]
                                      INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1893   BASELINE [   ]
NASA FMEA #:   05-6KA-2180-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1893
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

         [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1894   BASELINE [   ]
NASA FMEA #:   05-6KA-2180-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1894
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

                                                              CIL
              CRITICALITY   REDUNDANCY SCREENS   ITEM
              FLIGHT
              HDW/FUNC   A   B   C

                                                          [   ] *
      NASA [3 /3]   [   ]   [   ]   [   ]   [   ]
      IOA   [3 /3]   [   ]   [   ]   [   ]

COMPARE [/   ]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)
                                                          [   ]
         [/   ]   [   ]   [   ]   [   ]   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE   [   ]
                                             INADEQUATE   [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1895
NASA FMEA #:   05-6KA-2180-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1895
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                           (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1896   BASELINE [   ]
NASA FMEA #:   05-6KA-2179-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1896
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

                CRITICALITY   REDUNDANCY SCREENS   CIL
                  FLIGHT   ITEM
                 HDW/FUNC   A   B   C

    NASA   [3 /1R]   [P]   [F]   [P]   [X] *
    IOA   [3 /2R]   [P]   [P]   [P]   [   ]

COMPARE   [/N]   [   ]   [N]   [   ]   [N]

RECOMMENDATIONS: (If different from NASA)

             [3 /3]   [   ]   [   ]   [   ]   [D]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS RPC INADVERTENTLY
OPERATING ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1897
NASA FMEA #:   05-6KA-2179-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1897
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1898   BASELINE [   ]
NASA FMEA #:   05-6KA-2180-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1898
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

                CRITICALITY   REDUNDANCY SCREENS   CIL
                  FLIGHT   ITEM
                 HDW/FUNC   A   B   C

       NASA   [3 /3]   [   ]   [   ]   [   ]   [   ] *
        IOA   [3 /3]   [   ]   [   ]   [   ]   [   ]

COMPARE [/   ]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

         [/   ]   [   ]   [   ]   [   ]   [   ]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                        INADEQUATE   [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1899   BASELINE [   ]
NASA FMEA #:   05-6KA-2180-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1899
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1900   BASELINE [   ]
NASA FMEA #:   05-6KA-2179-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1900
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
           CRITICALITY    REDUNDANCY SCREENS        CIL
             FLIGHT                                 ITEM
             HDW/FUNC     A        B        C

   NASA    [ 3 /1R ]    [ P ]    [ F ]    [ P ]    [ X ] *
    IOA    [ 3 /2R ]    [ P ]    [ P ]    [ P ]    [   ]

COMPARE    [   /N ]     [   ]    [ N ]    [   ]    [ N ]
```

RECOMMENDATIONS: (If different from NASA)

```
         [ 3 /3 ]     [   ]    [   ]    [   ]    [ D ]
                                                 (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS RPC INADVERTENTLY
OPERATING ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1901   BASELINE [   ]
NASA FMEA #:   05-6KA-2179-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1901
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
                CRITICALITY      REDUNDANCY SCREENS          CIL
                  FLIGHT                                     ITEM
                 HDW/FUNC      A         B         C

        NASA   [ 3 /1R ]    [ P ]     [ P ]     [ P ]     [   ] *
        IOA    [ 3 /2R ]    [ P ]     [ P ]     [ P ]     [   ]

COMPARE        [   /N  ]    [   ]     [   ]     [   ]     [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
            [   /   ]     [   ]     [   ]     [   ]        [   ]
                                                        (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1902
NASA FMEA #: 05-6KA-2180-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1902
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [   ]
INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1903
NASA FMEA #:   05-6KA-2180-1

NASA DATA:
  BASELINE [   ]
       NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1903
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                        ADEQUATE   [   ]
REMARKS: INADEQUATE   [   ]
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1904   BASELINE [   ]
NASA FMEA #:   05-6KA-2184-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1904
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

    [3 /3]   [   ]   [   ]   [   ]   [D]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS RPC INADVERTENTLY
OPERATING ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1905   BASELINE [   ]
NASA FMEA #:   05-6KA-2184-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1905
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /2]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

      [/   ]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [   ]
                                      INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1906
NASA FMEA #:   05-6KA-2184-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1906
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [   ]   [   ]   [   ]   [D]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS RPC INADVERTENTLY
OPERATING ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1907   NASA DATA:
NASA FMEA #:   05-6KA-2184-1   BASELINE [   ]
                                                  NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1907
ITEM: CONTROLLER, REMOTE POWER

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /2]	[ ]	[ ]	[ ]	
IOA	[2 /2]	[ ]	[ ]	[ ]	[X] *
					[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

         [/]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                          ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
NO DIFFERENCES.

REPORT DATE 2/26/88   C-2090

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1908
NASA FMEA #: 05-6KA-2260-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1908
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1909
NASA FMEA #:   05-6KA-2260-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1909
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1910
NASA FMEA #: 05-6KA-2260-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1910
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]				
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                  ADEQUATE   [ ]
                                  INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1911   NASA DATA:
NASA FMEA #:   05-6KA-2260-1   BASELINE [   ]
                                                     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1911
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1912
NASA FMEA #:   05-6KA-2265-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1912
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                           (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1913
NASA FMEA #: 05-6KA-2265-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1913
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1914
NASA FMEA #:   05-6KA-2259-2

NASA DATA:
  BASELINE [   ]
       NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1914
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE   [   ]
                                             INADEQUATE   [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1915
NASA FMEA #:   05-6KA-2259-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1915
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1916
NASA FMEA #: 05-6KA-2259A-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1916
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [ ]
INADEQUATE [ ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1917   NASA DATA:
NASA FMEA #:   05-6KA-2259A-1   BASELINE [   ]
                                                  NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1917
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                        ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1918   BASELINE [   ]
NASA FMEA #:   05-6KA-2271-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1918
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                ADEQUATE   [   ]
                              INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1919   BASELINE [   ]
NASA FMEA #:   05-6KA-2271-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1919
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                              ADEQUATE   [   ]
                                              INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1920   BASELINE [   ]
NASA FMEA #:   05-6KA-2265-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1920
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

      [/]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                       INADEQUATE   [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1921   BASELINE [   ]
NASA FMEA #:   05-6KA-2265-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1921
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

            [/   ]   [   ]   [   ]   [   ]   [   ]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                            ADEQUATE   [   ]
                                          INADEQUATE   [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1922   BASELINE [   ]
NASA FMEA #:   05-6KA-2259-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1922
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

     [/   ]   [   ]   [   ]   [   ]   [   ]
                                           (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                     ADEQUATE   [   ]
                                     INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1923   NASA DATA:
NASA FMEA #:   05-6KA-2259-1   BASELINE [ ]
                                                        NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1923
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

                CRITICALITY   REDUNDANCY SCREENS   CIL
                  FLIGHT   ITEM
                 HDW/FUNC   A   B   C

        NASA   [3 /1R]   [P]   [F]   [P]   [X] *
        IOA   [3 /2R]   [P]   [F]   [P]   [X]

COMPARE   [/N]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

         [/   ]   [   ]   [   ]   [   ]   [   ]
                                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1924   BASELINE [   ]
NASA FMEA #:   05-6KA-2259A-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1924
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                   ADEQUATE   [   ]
                                   INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1925   BASELINE [   ]
NASA FMEA #:   05-6KA-2259A-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1925
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

| | CRITICALITY FLIGHT HDW/FUNC | REDUNDANCY SCREENS | | | CIL ITEM |
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1926   BASELINE [   ]
NASA FMEA #:   05-6KA-2259-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1926
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

                                                          CIL
          CRITICALITY   REDUNDANCY SCREENS   ITEM
            FLIGHT
            HDW/FUNC   A   B   C

                                                          [   ] *
     NASA [3 /3]   [   ]   [   ]   [   ]   [   ]
      IOA [3 /3]   [   ]   [   ]   [   ]

COMPARE   [/   ]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)
                                                          [   ]
          [/   ]   [   ]   [   ]   [   ]   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE   [   ]
                                            INADEQUATE   [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1927   NASA DATA:
NASA FMEA #:   05-6KA-2259-1   BASELINE [   ]
                                                    NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1927
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                          ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1928   BASELINE [   ]
NASA FMEA #:   05-6KA-2259A-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1928
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE   [   ]
                                              INADEQUATE   [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1929
NASA FMEA #:   05-6KA-2259A-1

NASA DATA:
BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1929
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1930   BASELINE [   ]
NASA FMEA #:   05-6KA-2260-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1930
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

             [/]   [   ]   [   ]   [   ]   [   ]
                                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1931   BASELINE [   ]
NASA FMEA #:   05-6KA-2260-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1931
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
              CRITICALITY     REDUNDANCY SCREENS          CIL
                 FLIGHT                                   ITEM
               HDW/FUNC       A        B        C

      NASA   [ 3 /1R ]     [ P ]    [ F ]    [ P ]     [ X ] *
       IOA   [ 3 /2R ]     [ P ]    [ F ]    [ P ]     [ X ]

COMPARE    [   /N  ]       [   ]    [   ]    [   ]     [   ]
```

RECOMMENDATIONS: (If different from NASA)

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             [  /  ]      [   ]    [   ]    [   ]        [   ]
                                                     (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1932   BASELINE [   ]
NASA FMEA #:   05-6KA-2265-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1932
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]				[X]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

             [/]   [   ]   [   ]   [   ]   [   ]
                                                 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                         INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

REPORT DATE 2/26/88   C-2115

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1933
NASA FMEA #:   05-6KA-2265-1

NASA DATA:
BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1933
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1934   BASELINE [   ]
NASA FMEA #:   05-6KA-2259-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1934
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/]   [   ]   [   ]   [   ]   [   ]
                                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1935   NASA DATA:
NASA FMEA #:   05-6KA-2259-1   BASELINE [   ]
                                              NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1935
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                         INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1936
NASA FMEA #:   05-6KA-2259A-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1936
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1937
NASA FMEA #: 05-6KA-2259A-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1937
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1938
NASA FMEA #: 05-6KA-2265-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1938
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
					[X] *
NASA	[3 /3]	[P]	[F]	[P]	[X]
IOA	[3 /2R]				
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1939
NASA FMEA #: 05-6KA-2265-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1939
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/] [ ] [ ] [ ] [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1940   BASELINE [   ]
NASA FMEA #:   05-6KA-2260-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1940
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

            [/   ]   [   ]   [   ]   [   ]   [   ]
                                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1941   BASELINE [   ]
NASA FMEA #:   05-6KA-2260-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1941
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
            CRITICALITY      REDUNDANCY SCREENS        CIL
              FLIGHT                                   ITEM
            HDW/FUNC       A         B         C

     NASA  [ 3 /1R ]     [ P ]     [ F ]     [ P ]    [ X ] *
      IOA  [ 3 /2R ]     [ P ]     [ F ]     [ P ]    [ X ]

  COMPARE  [   /N  ]     [   ]     [   ]     [   ]    [   ]
```

RECOMMENDATIONS: (If different from NASA)

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            [  /  ]      [   ]     [   ]     [   ]        [   ]
                                                      (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                        INADEQUATE   [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1942   BASELINE [   ]
NASA FMEA #:   05-6KA-2260-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1942
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                         INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1943
NASA FMEA #:   05-6KA-2260-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1943
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1944
NASA FMEA #:   05-6KA-2260-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1944
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1945   NASA DATA:
NASA FMEA #:   05-6KA-2260-1   BASELINE [   ]
                                       NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1945
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [ ]   [ ]   [ ]   [ ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1946   BASELINE [   ]
NASA FMEA #:   05-6KA-2271-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1946
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [   ]
                                    INADEQUATE   [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1947   BASELINE [   ]
NASA FMEA #:   05-6KA-2271-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1947
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1948   BASELINE [   ]
NASA FMEA #:   05-6KA-2259-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1948
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                  ADEQUATE   [   ]
                                  INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1949
NASA FMEA #: 05-6KA-2259-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1949
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1950
NASA FMEA #:   05-6KA-2259A-2

NASA DATA:
    BASELINE [   ]
    NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1950
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

    [/   ]   [   ]   [   ]   [   ]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1951
NASA FMEA #:   05-6KA-2259A-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1951
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1952   NASA DATA:
NASA FMEA #:   05-6KA-2265-2   BASELINE [   ]
                                          NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1952
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                 ADEQUATE   [   ]
                                 INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1953
NASA FMEA #: 05-6KA-2265-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1953
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1954
NASA FMEA #:   05-6KA-2259-2

NASA DATA:
   BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1954
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

   [/]   [ ]   [ ]   [ ]   [ ]
                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                 ADEQUATE   [   ]
                                 INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1955   NASA DATA:
NASA FMEA #:   05-6KA-2259-1   BASELINE [   ]
                                              NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1955
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                    ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1956   BASELINE [   ]
NASA FMEA #:   05-6KA-2259A-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1956
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
              CRITICALITY    REDUNDANCY SCREENS        CIL
                FLIGHT                                 ITEM
              HDW/FUNC      A        B        C

     NASA    [ 3 /3 ]    [   ]    [   ]    [   ]     [   ] *
     IOA     [ 3 /3 ]    [   ]    [   ]    [   ]     [   ]

COMPARE      [   /   ]    [   ]    [   ]    [   ]     [   ]
```

RECOMMENDATIONS: (If different from NASA)

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             [   /   ]    [   ]    [   ]    [   ]      [   ]
                                                    (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1957   BASELINE [   ]
NASA FMEA #:   05-6KA-2259A-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1957
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1958   BASELINE [   ]
NASA FMEA #:   05-6KA-2265-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1958
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]				[X]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE   [   ]
                                            INADEQUATE   [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1959
NASA FMEA #:   05-6KA-2265-1

NASA DATA:
 BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1959
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

     [/]   [ ]   [ ]   [ ]   [ ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                    ADEQUATE   [ ]
                                    INADEQUATE [ ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1960   BASELINE [   ]
NASA FMEA #:   05-6KA-2259-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1960
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [   ]
                                      INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1961   BASELINE [   ]
NASA FMEA #:   05-6KA-2259-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1961
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                           ADEQUATE   [   ]
                                           INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1962   BASELINE [   ]
NASA FMEA #:   05-6KA-2259A-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1962
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1963   BASELINE [   ]
NASA FMEA #:   05-6KA-2259A-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1963
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

         [/   ]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1964   BASELINE [   ]
NASA FMEA #:   05-6KA-2260-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1964
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

           [/   ]   [   ]   [   ]   [   ]   [   ]
                                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                       INADEQUATE   [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1965   BASELINE [   ]
NASA FMEA #:   05-6KA-2260-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1965
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [   ]
                                      INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1966
NASA FMEA #:   05-6KA-2265-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1966
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]				[X]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1967   NASA DATA:
NASA FMEA #:   05-6KA-2265-1   BASELINE [   ]
                                             NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1967
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

REPORT DATE 2/26/88   C-2150

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1968
NASA FMEA #:   05-6KA-2259-2

NASA DATA:
  BASELINE [   ]
       NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1968
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                          ADEQUATE   [   ]
                          INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1969
NASA FMEA #:   05-6KA-2259-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1969
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE   [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1970   BASELINE [   ]
NASA FMEA #:   05-6KA-2259A-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1970
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

    [/   ]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1971   BASELINE [   ]
NASA FMEA #:   05-6KA-2259A-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1971
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1972   BASELINE [   ]
NASA FMEA #:   05-6KA-2265-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1972
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[N]	[N]	[N]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                         (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [   ]
                                    INADEQUATE   [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1973
NASA FMEA #: 05-6KA-2265-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1973
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE [ ]
                                    INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1974
NASA FMEA #:   05-6KA-2260-2

NASA DATA:
  BASELINE [   ]
     NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1974
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]				
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

   [/]   [ ] [ ] [ ]   [   ]
                               (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                            ADEQUATE   [   ]
                           INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1975
NASA FMEA #: 05-6KA-2260-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1975
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1976   BASELINE [   ]
NASA FMEA #:   05-6KA-2270-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1976
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                              ADEQUATE [   ]
                           INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1977   BASELINE [   ]
NASA FMEA #:   05-6KA-2270-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1977
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /2]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [   ]   [   ]   [   ]   [   ]
                                                 (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1978   BASELINE [   ]
NASA FMEA #:   05-6KA-2270-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1978
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /3]	[ ]	[ ]	[ ]	[ ] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/   ]   [   ]   [   ]   [   ]   [   ]
                                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1979
NASA FMEA #: 05-6KA-2270-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1979
ITEM: DIODE

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /2]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                  (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1980   BASELINE [   ]
NASA FMEA #:   05-6KA-2214-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1980
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [   ]   [   ]   [   ]   [D]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. THIS DRIVER OPERATING
ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1981   BASELINE [   ]
NASA FMEA #:   05-6KA-2214-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1981
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                        INADEQUATE   [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1982   BASELINE [   ]
NASA FMEA #:   05-6KA-2214-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1982
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

          [3 /3]   [   ]   [   ]   [   ]   [D]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [   ]
                                      INADEQUATE [   ]
REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. THIS DRIVER OPERATING
ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1983   BASELINE [   ]
NASA FMEA #:   05-6KA-2214-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1983
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

REPORT DATE 2/26/88   C-2166

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1984
NASA FMEA #: 05-6KA-2214-2

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1984
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [ ]   [ ]   [ ]   [D]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. THIS DRIVER OPERATING
ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1985   NASA DATA:
NASA FMEA #:   05-6KA-2214-1   BASELINE [   ]
                                                    NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1985
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1986
NASA FMEA #:   05-6KA-2214-2

NASA DATA:
 BASELINE [   ]
      NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1986
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [   ]   [   ]   [   ]   [D]
                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. THIS DRIVER OPERATING
ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1987
NASA FMEA #: 05-6KA-2214-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1987
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1988
NASA FMEA #:   05-6KA-2214-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1988
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [   ]   [   ]   [   ]   [D]
                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES.   THIS DRIVER OPERATING
ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED.   IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1989
NASA FMEA #: 05-6KA-2214-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1989
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1990   BASELINE [   ]
NASA FMEA #:   05-6KA-2214-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1990
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [   ]   [   ]   [   ]   [D]
                                        (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE [   ]
                                           INADEQUATE [   ]

REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. THIS DRIVER OPERATING
ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1991   NASA DATA:
NASA FMEA #:   05-6KA-2214-1   BASELINE [ ]
                                                  NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1991
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

              CRITICALITY   REDUNDANCY SCREENS
                FLIGHT   CIL
               HDW/FUNC   A   B   C   ITEM

       NASA   [3 /1R]   [P]   [P]   [P]   [   ] *
       IOA   [3 /2R]   [P]   [P]   [P]   [   ]

COMPARE   [/N]   [   ]   [   ]   [   ]   [   ]

RECOMMENDATIONS: (If different from NASA)

              [/   ]   [   ]   [   ]   [   ]   [   ]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                          ADEQUATE   [   ]
REMARKS: INADEQUATE [   ]
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1992   BASELINE [   ]
NASA FMEA #:   05-6KA-2214-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1992
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

        [3 /3]   [   ]   [   ]   [   ]   [D]
                                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. THIS DRIVER OPERATING
ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1993   BASELINE [   ]
NASA FMEA #:   05-6KA-2214-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1993
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                       (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                     ADEQUATE   [   ]
                                     INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-1994   BASELINE [   ]
NASA FMEA #:   05-6KA-2214-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1994
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [   ]   [   ]   [   ]   [D]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. THIS DRIVER OPERATING
ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1995   NASA DATA:
NASA FMEA #:   05-6KA-2214-1   BASELINE [   ]
                                                  NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1995
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

```
            CRITICALITY     REDUNDANCY SCREENS        CIL
              FLIGHT                                  ITEM
             HDW/FUNC       A       B        C

     NASA   [ 3 /1R ]     [ P ]   [ P ]    [ P ]      [   ] *
     IOA    [ 3 /2R ]     [ P ]   [ P ]    [ P ]      [   ]

COMPARE    [   /N  ]      [   ]   [   ]    [   ]      [   ]
```

RECOMMENDATIONS: (If different from NASA)

```
           [   /   ]      [   ]   [   ]    [   ]      [   ]
                                                   (ADD/DELETE)
```

* CIL RETENTION RATIONALE: (If applicable)
                                         ADEQUATE   [   ]
                                         INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1996
NASA FMEA #:   05-6KA-2220-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1996
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [   ]   [   ]   [   ]   [D]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. THIS FAILURE ALONE HAS NO
EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1997
NASA FMEA #:   05-6KA-2220-1

NASA DATA:
  BASELINE [   ]
       NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1997
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /2]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE   [   ]
                                            INADEQUATE   [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1998
NASA FMEA #:   05-6KA-2220-2

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1998
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

[3 /3]   [   ]   [   ]   [   ]   [D]
                                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NASA FMEA CONTAINS MULTIPLE FAILURES. THIS FAILURE ALONE HAS NO
EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-1999
NASA FMEA #:   05-6KA-2220-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 1999
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /2]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-2000   BASELINE [   ]
NASA FMEA #:   05-6KA-2185-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 2000
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

        [3 /3]   [   ]   [   ]   [   ]   [D]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS DRIVER INADVERTENTLY
OPERATING ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-2001
NASA FMEA #:   05-6KA-2185-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 2001
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[2 /2]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                   ADEQUATE   [   ]
                                   INADEQUATE [   ]
REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-2002   BASELINE [   ]
NASA FMEA #:   05-6KA-2185-2   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 2002
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /3]	[ ]	[ ]	[ ]	[ ]
COMPARE	[/N]	[N]	[N]	[N]	[N]

RECOMMENDATIONS: (If different from NASA)

    [3 /3]   [   ]   [   ]   [   ]   [D]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]
REMARKS:
NASA FMEA CONSIDERS MULTIPLE FAILURES. THIS DRIVER INADVERTENTLY
OPERATING ALONE HAS NO EFFECT.

AT MEETING WITH SUBSYSTEM MANAGER ON 1/20/88, NSTS 22206 WAS
DISCUSSED. IT WAS AGREED UPON THAT THE ISSUE (MULTIPLE FAILURES)
WAS RAISED DUE TO DIFFERENT INTERPRETATIONS OF NSTS 22206.
THEREFORE, THIS ISSUE REMAINS OPEN.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-2003   BASELINE [   ]
NASA FMEA #:   05-6KA-2185-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 2003
ITEM: DRIVER, HYBRID

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[2 /2]	[ ]	[ ]	[ ]	[X] *
IOA	[2 /2]	[ ]	[ ]	[ ]	[X]
COMPARE	[/]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                     (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                        ADEQUATE   [   ]
                                        INADEQUATE [   ]

REMARKS:
NO DIFFERENCES.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-2004
NASA FMEA #:   05-6KA-2008-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 2004
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [   ]   [   ]   [   ]   [   ]
                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-2005   BASELINE [   ]
NASA FMEA #:   05-6KA-2008-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 2005
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                              (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                      ADEQUATE   [   ]
                                      INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

REPORT DATE 2/26/88   C-2188

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-2006
NASA FMEA #:   05-6KA-2009-1

NASA DATA:
   BASELINE [   ]
   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 2006
ITEM: FUSE, 2A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                      (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                  ADEQUATE   [   ]
                                  INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

REPORT DATE 2/26/88   C-2189

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-2007
NASA FMEA #:   05-6KA-2009-1

NASA DATA:
  BASELINE [   ]
       NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 2007
ITEM: FUSE, 2A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

                                    ADEQUATE   [   ]
                                  INADEQUATE   [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARC-2008   BASELINE [   ]
NASA FMEA #:   05-6KA-2007-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 2008
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

        [/]   [ ]   [ ]   [ ]   [   ]
                                            (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-2009   BASELINE [   ]
NASA FMEA #:   05-6KA-2007-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 2009
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

          [/   ]   [   ]   [   ]   [   ]   [   ]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                           ADEQUATE   [   ]
                                           INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-2010
NASA FMEA #: 05-6KA-2008-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 2010
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

| | CRITICALITY FLIGHT HDW/FUNC | REDUNDANCY SCREENS | | | CIL ITEM |
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-2011
NASA FMEA #: 05-6KA-2007-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 2011
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                    (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE [ ]
                                    INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-2012
NASA FMEA #:   05-6KA-2008-1

NASA DATA:
  BASELINE [   ]
       NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 2012
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                          (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                    ADEQUATE   [   ]
                                    INADEQUATE [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-2013
NASA FMEA #:   05-6KA-2007-1

NASA DATA:
BASELINE [   ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 2013
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE   [   ]
INADEQUATE   [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88   NASA DATA:
ASSESSMENT ID: ARCS-2014   BASELINE [   ]
NASA FMEA #:   05-6KA-2009-1   NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 2014
ITEM: FUSE, 2A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[F]	[P]	[X]
COMPARE	[/N]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

[/   ]   [   ]   [   ]   [   ]   [   ]
                                         (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)   ADEQUATE   [   ]
                                           INADEQUATE   [   ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-2015
NASA FMEA #: 05-6KA-2008-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 2015
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS			CIL ITEM
		A	B	C	
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
(ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)

ADEQUATE [ ]
INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

REPORT DATE 2/26/88   C-2198

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-2016
NASA FMEA #: 05-6KA-2008-1

NASA DATA:
BASELINE [ ]
NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 2016
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[P]	[P]	[ ] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[ ]	[ ]	[ ]

RECOMMENDATIONS: (If different from NASA)

[/]   [ ]   [ ]   [ ]   [ ]
                                (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                              ADEQUATE   [ ]
                              INADEQUATE [ ]

REMARKS:
IOA AGREES WITH NASA FMEA.

APPENDIX C
ASSESSMENT WORKSHEET

ASSESSMENT DATE: 1/29/88
ASSESSMENT ID: ARCS-2017   NASA DATA:
NASA FMEA #:   05-6KA-2007-1   BASELINE [   ]
                                                    NEW [X]

SUBSYSTEM: ARCS
MDAC ID: 2017
ITEM: FUSE, 1A

LEAD ANALYST: D. HARTMAN

ASSESSMENT:

	CRITICALITY FLIGHT HDW/FUNC	REDUNDANCY SCREENS A	B	C	CIL ITEM
NASA	[3 /1R]	[P]	[F]	[P]	[X] *
IOA	[3 /2R]	[P]	[P]	[P]	[ ]
COMPARE	[/N]	[ ]	[N]	[ ]	[N]

RECOMMENDATIONS: (If different from NASA)

          [/]   [   ]   [   ]   [   ]   [   ]
                                                   (ADD/DELETE)

* CIL RETENTION RATIONALE: (If applicable)
                                          ADEQUATE   [   ]
                                          INADEQUATE [   ]
REMARKS:
IOA AGREES WITH NASA FMEA.