APPENDIX D

Selected Representative Time History Plots for the 767 Elevator Dual Failure Phase II
Ground Tests
(Data Not Corrected for Column Force Instrumentation Bias)

Selected representative time history plots from the 767-400 Phase II ground test conducted on 4/20/00 are included in Enclosure 4. The Phase II test conditions are defined in the Ground Test TIP B1.39.1316 Rev. A in Enclosure 2. The plots are described as follows: (data file VQ001.010_18.5804.esb)

For the below test conditions .200-.203, the middle PCA on the right elevator was replaced with a modified "jammed" PCA.

- Figure 49 Condition .200: Base elevator feel pressure, Pilot column sweep
- Figure 50 Condition .201: Base elevator feel pressure, First Officer's (FO) column sweep
- Figure 51 Condition .202: 770 psi elevator feel pressure, Pilot column sweep
- Figure 52 Condition .203: 770 psi elevator feel pressure, FO column sweep
- **Figure 53** Condition .203A: 770 psi elevator feel pressure, FO column sweep, Autopilot engaged

For the below test conditions .204-.207, the middle PCA on the right elevator was replaced with a modified "jammed" PCA, and the inboard PCA on the right elevator was disconnected.

- Figure 54 Condition .204: Base elevator feel pressure, Pilot column sweep
- Figure 55 Condition .205: Base elevator feel pressure, FO column sweep
- Figure 56 Condition .206: 770 psi elevator feel pressure, Pilot column sweep
- Figure 57 Condition .207: 770 psi elevator feel pressure, FO column sweep
- **Figure 56** Condition .206A: 770 psi elevator feel pressure, Pilot column sweep, Autopilot engaged

For the below test conditions .208-.211, the middle and inboard PCA on the right elevator were replaced with modified "jammed" PCAs

- Figure 69 Condition .208: Base elevator feel pressure, Pilot column sweep
- Figure 60 Condition .209: Base elevator feel pressure, FO column sweep
- Figure 61 Condition .210: 770 psi elevator feel pressure, Pilot column sweep
- Figure 62 Condition .211: 770 psi elevator feel pressure, FO column sweep



























