

APO-1041

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FINAL FLIGHT EVALUATION REPORT FOR ARES I USE OF ARES I-X DATA

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KVMDF210A FTV, X=785, 180 DEG, ROLLOUT, TIME HISTORY	
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ACCELEROMETERS: CM LAS

OAD796A LAS End of Tube Accel A (X), PSD

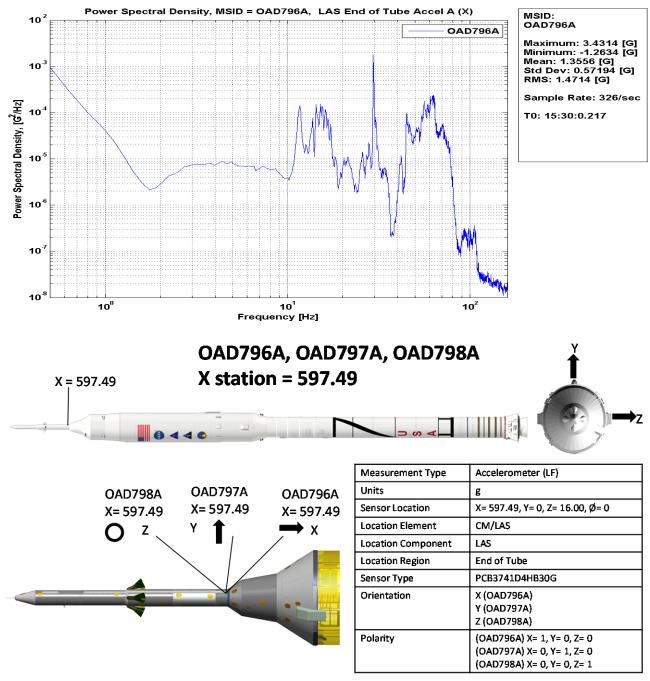


Figure 1: OAD796A LAS End of Tube Accel A (X), PSD

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OAD796A LAS End of Tube Accel A (X), Time History

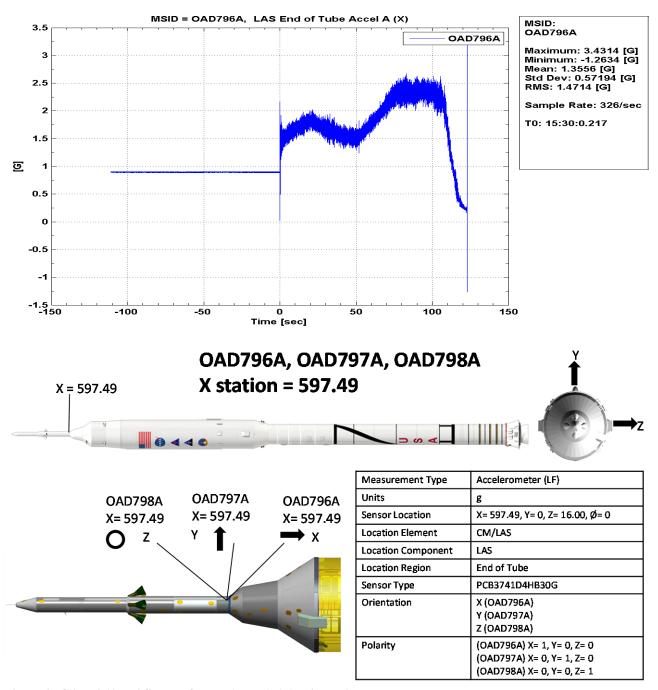


Figure 2: OAD796A LAS End of Tube Accel A (X), Time History

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OAD797A LAS End of Tube Accel B (Y), PSD

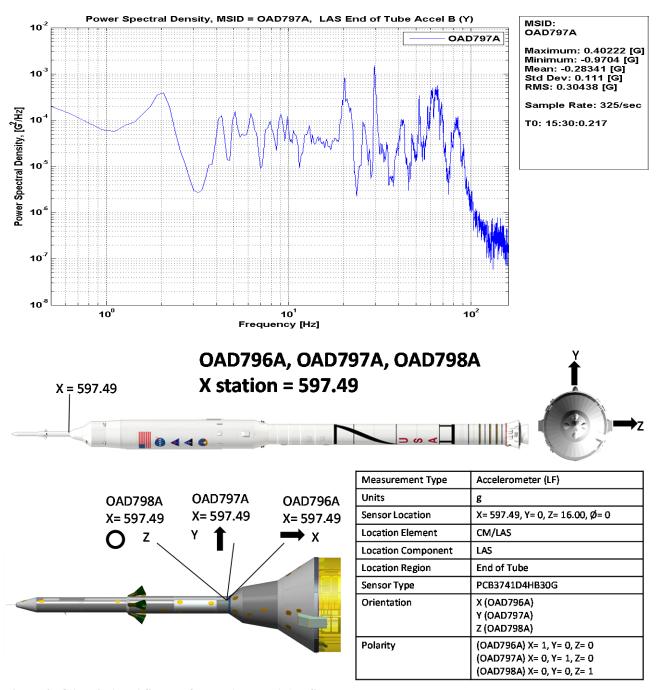


Figure 3: OAD797A LAS End of Tube Accel B (Y), PSD

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OAD797A LAS End of Tube Accel B (Y), Time History

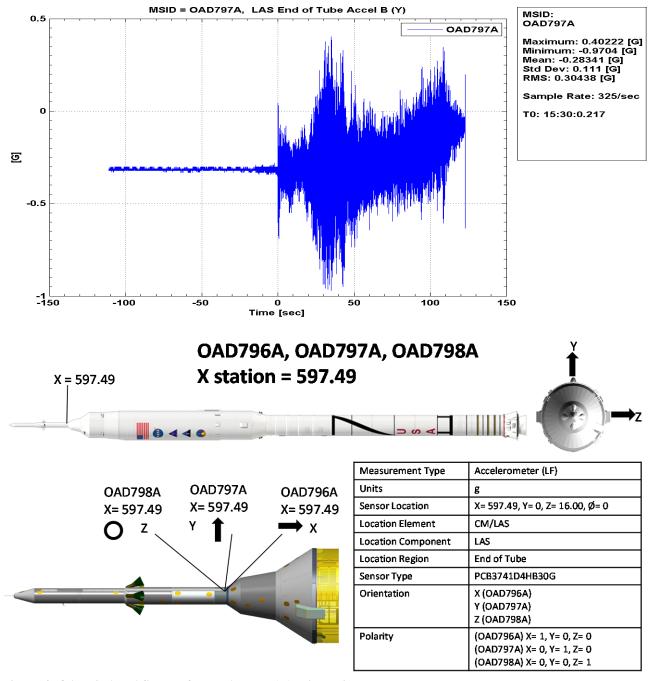


Figure 4: OAD797A LAS End of Tube Accel B (Y), Time History

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OAD798A LAS End of Tube Accel C (Z), PSD

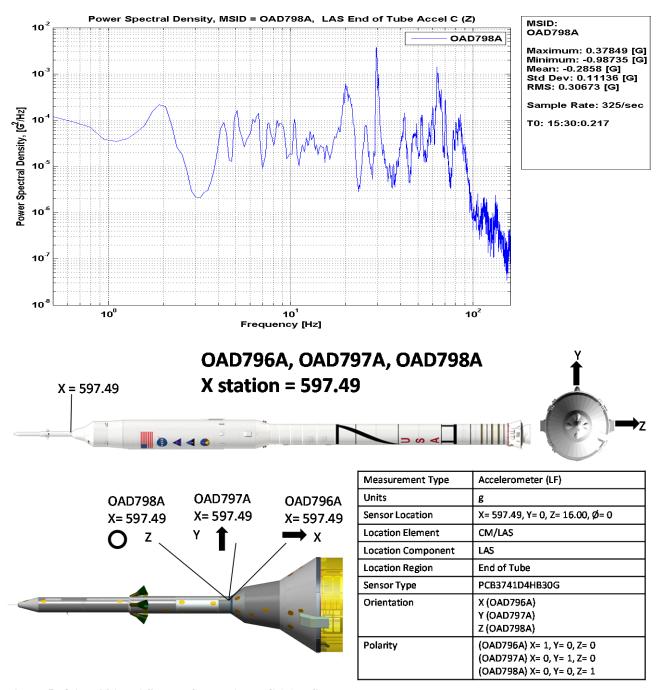


Figure 5: OAD798A LAS End of Tube Accel C (Z), PSD

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OAD798A LAS End of Tube Accel C (Z), Time History

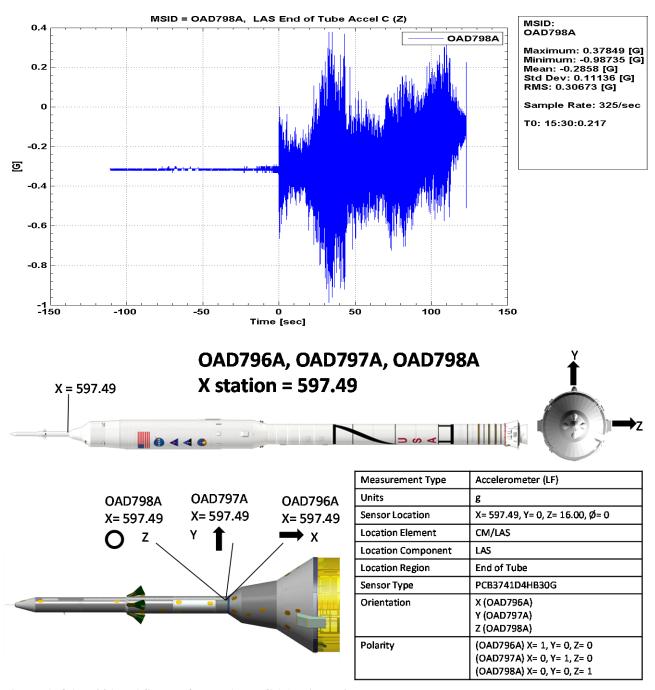


Figure 6: OAD798A LAS End of Tube Accel C (Z), Time History

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OAD799A LAS Aft of Nozzles Accel A (X), PSD

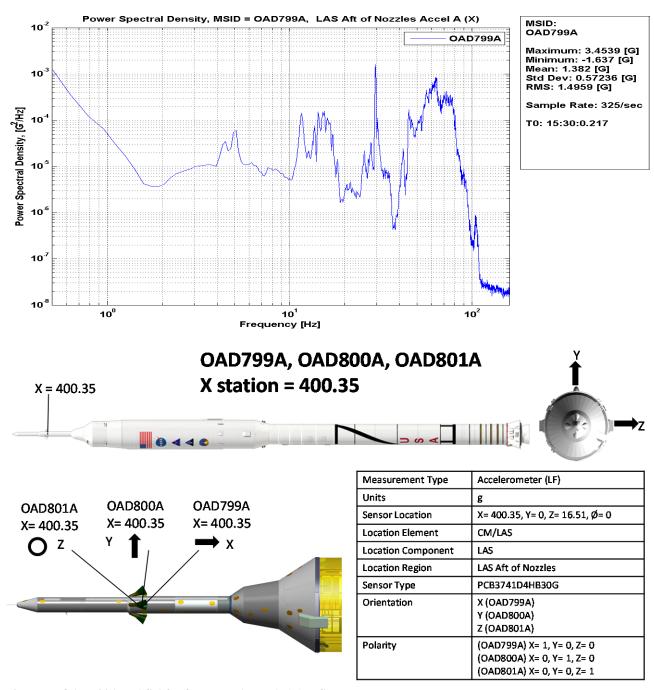


Figure 7: OAD799A LAS Aft of Nozzles Accel A (X), PSD

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OAD799A LAS Aft of Nozzles Accel A (X), Time History

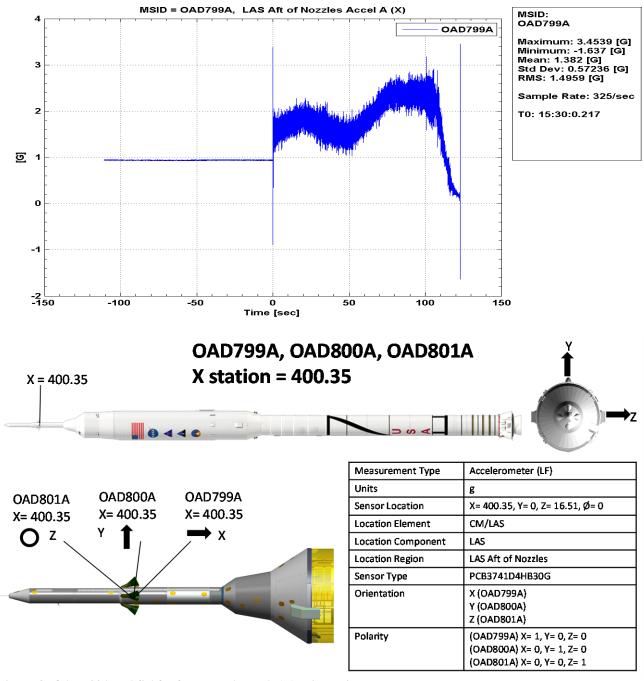


Figure 8: OAD799A LAS Aft of Nozzles Accel A (X), Time History

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OAD800A LAS Aft of Nozzles Accel B (Y), PSD

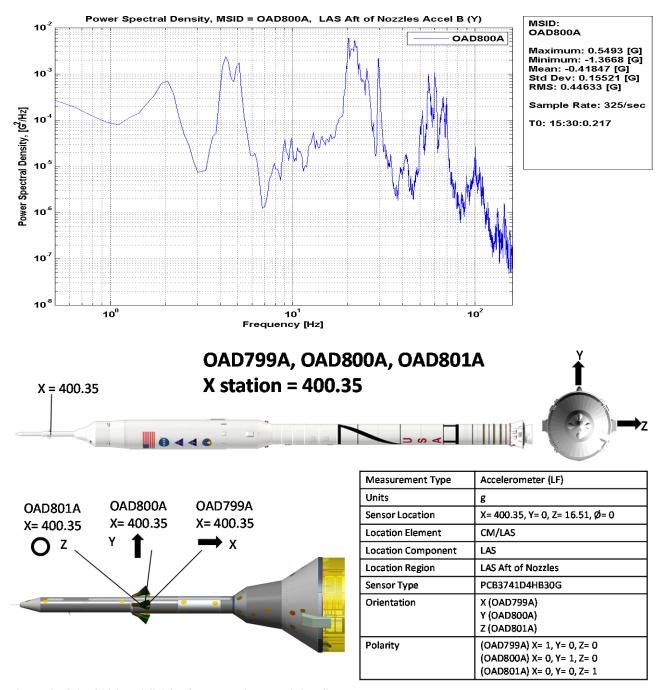


Figure 9: OAD800A LAS Aft of Nozzles Accel B (Y), PSD

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OAD800A LAS Aft of Nozzles Accel B (Y), Time History

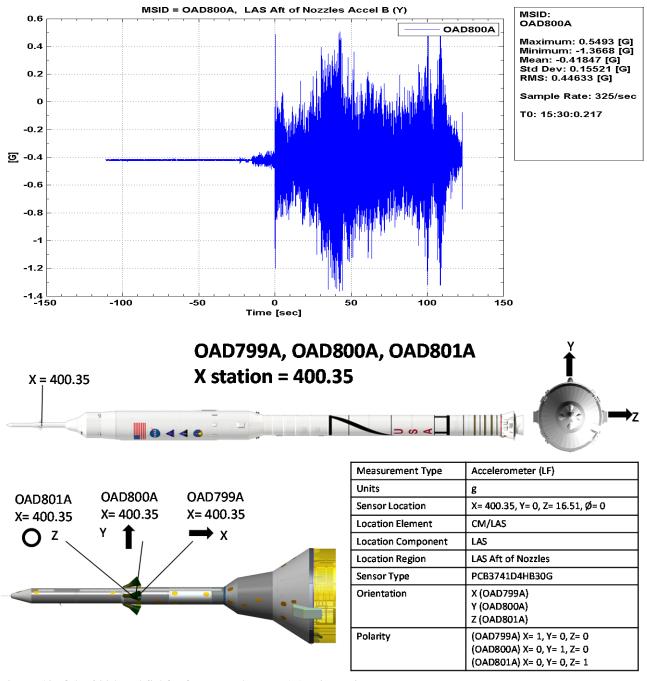


Figure 10: OAD800A LAS Aft of Nozzles Accel B (Y), Time History

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OAD801A LAS Aft of Nozzles Accel C (Z), PSD

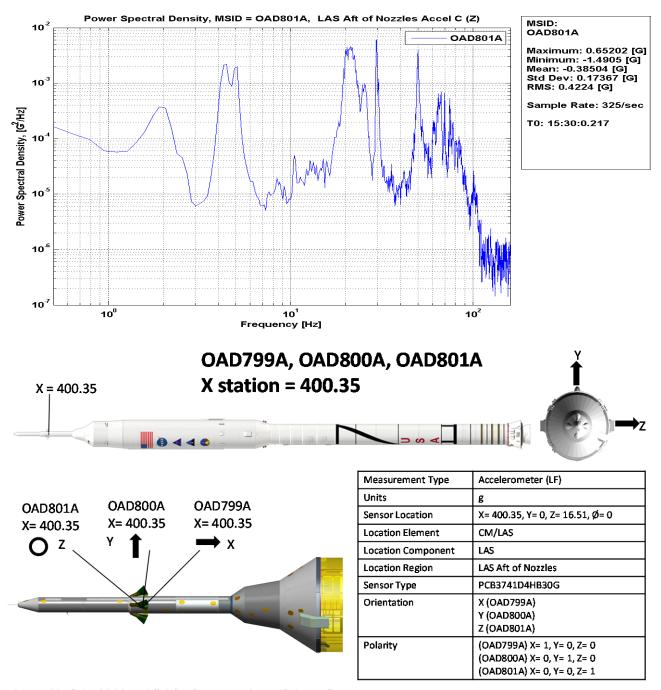


Figure 11: OAD801A LAS Aft of Nozzles Accel C (Z), PSD

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OAD801A LAS Aft of Nozzles Accel C (Z), Time History

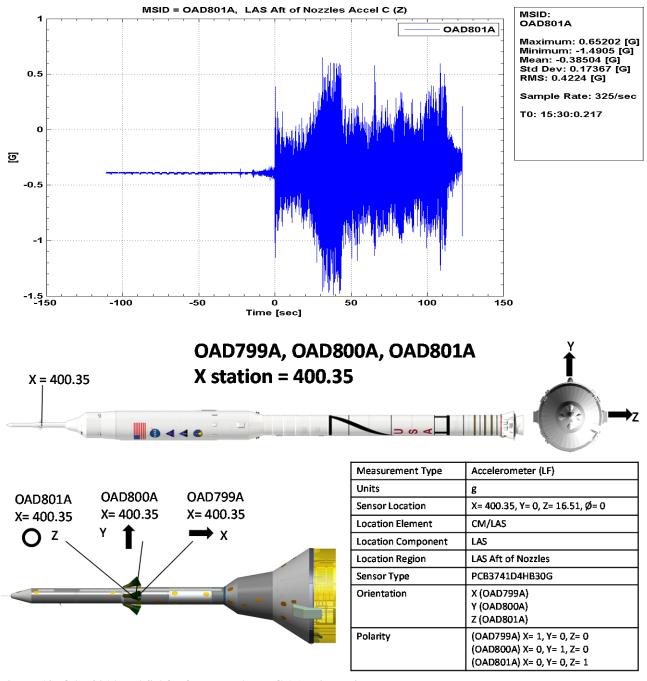


Figure 12: OAD801A LAS Aft of Nozzles Accel C (Z), Time History

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OAD802A LAS Nose of LAS Accel A (X), PSD

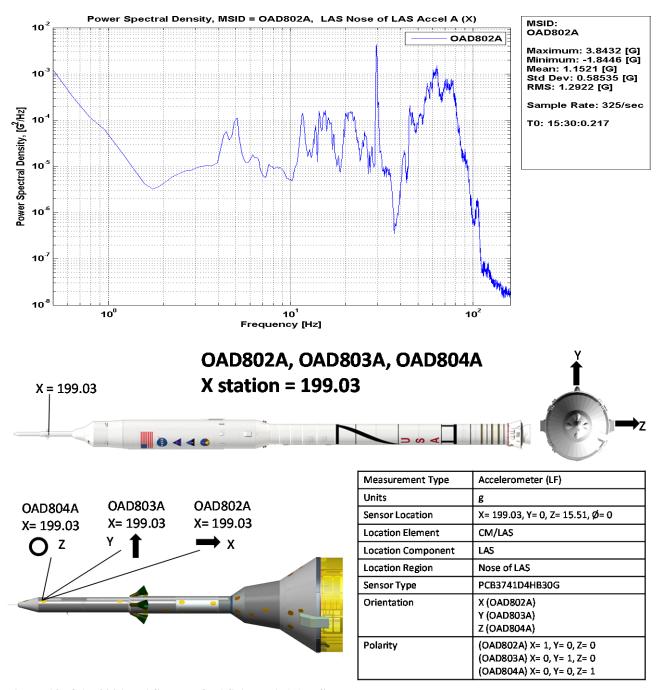


Figure 13: OAD802A LAS Nose of LAS Accel A (X), PSD

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OAD802A LAS Nose of LAS Accel A (X), Time History

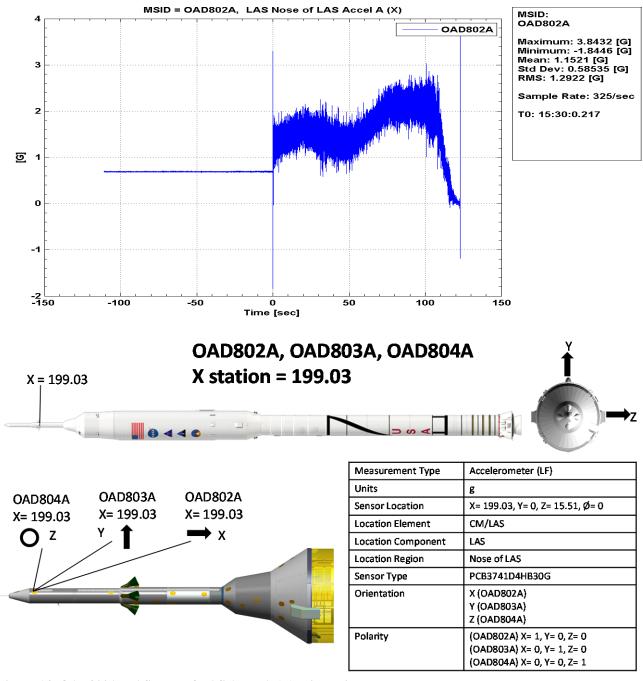


Figure 14: OAD802A LAS Nose of LAS Accel A (X), Time History

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OAD803A LAS Nose of LAS Accel B (Y), PSD

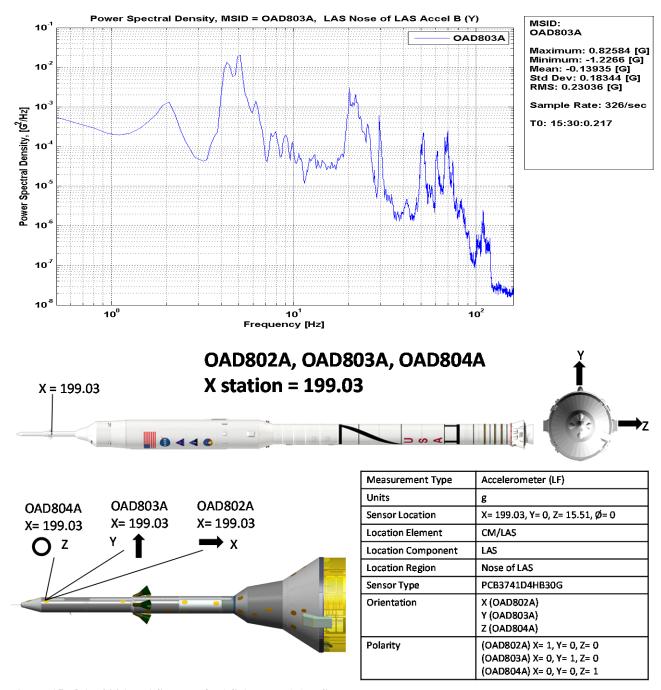


Figure 15: OAD803A LAS Nose of LAS Accel B (Y), PSD

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OAD803A LAS Nose of LAS Accel B (Y), Time History

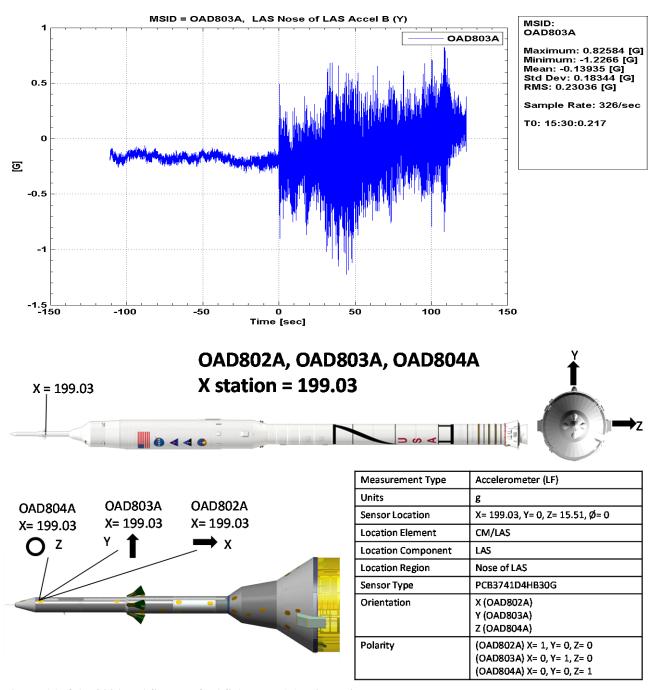


Figure 16: OAD803A LAS Nose of LAS Accel B (Y), Time History

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OAD804A LAS Nose of LAS Accel C (Z), PSD

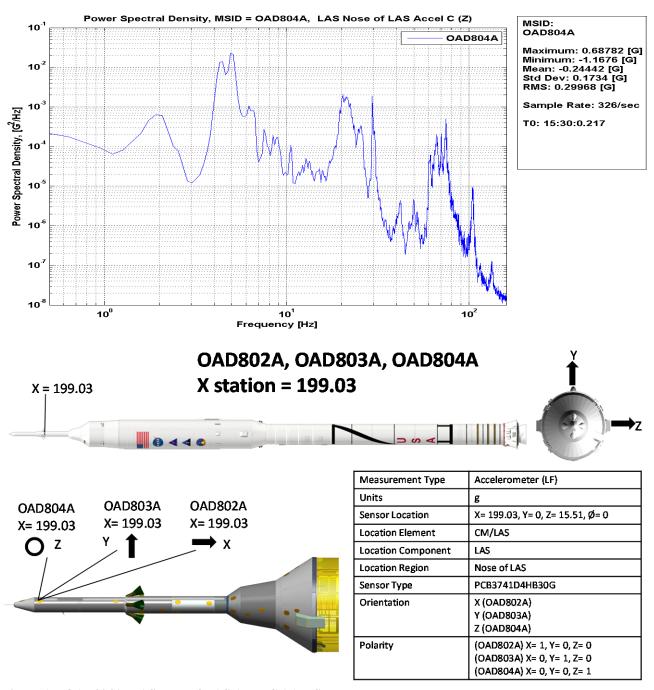


Figure 17: OAD804A LAS Nose of LAS Accel C (Z), PSD

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OAD804A LAS Nose of LAS Accel C (Z), Time History

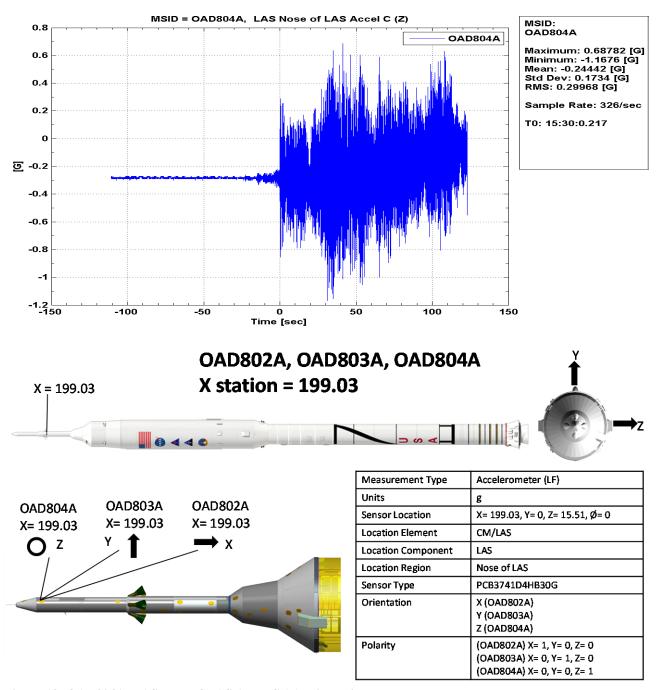


Figure 18: OAD804A LAS Nose of LAS Accel C (Z), Time History

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OAD805A CM Mid-Body Accel A (X), PSD

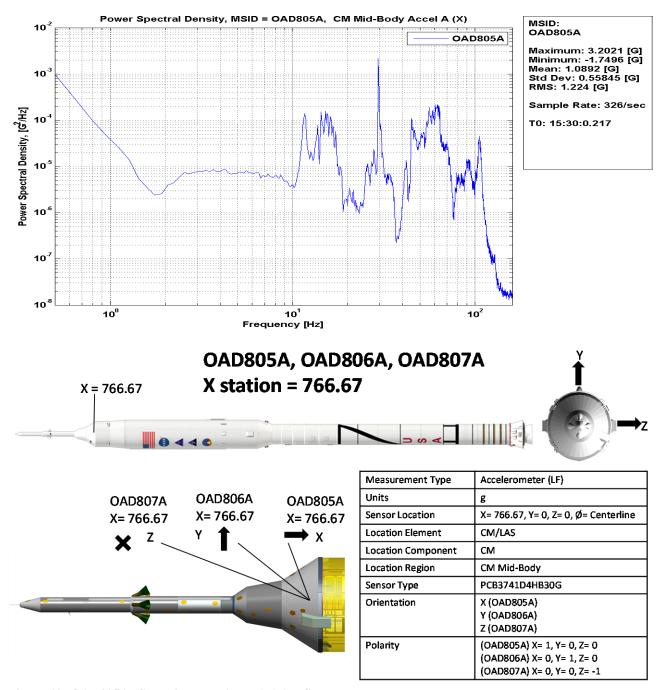


Figure 19: OAD805A CM Mid-Body Accel A (X), PSD

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OAD805A CM Mid-Body Accel A (X), Time History

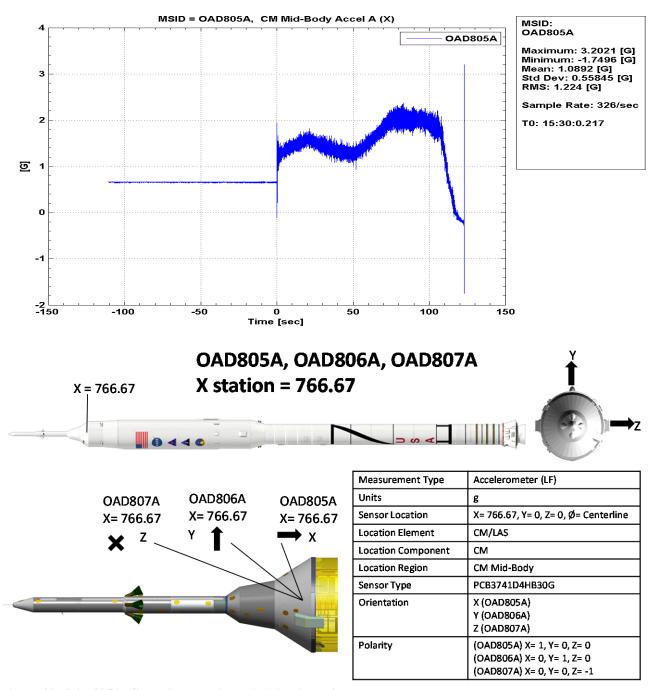


Figure 20: OAD805A CM Mid-Body Accel A (X), Time History

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OAD806A CM Mid-Body Accel B (Y), PSD

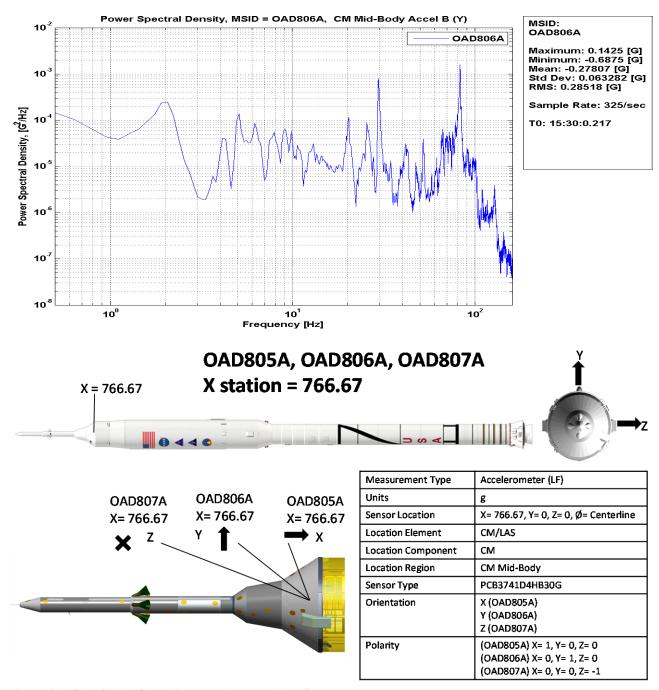


Figure 21: OAD806A CM Mid-Body Accel B (Y), PSD

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OAD806A CM Mid-Body Accel B (Y), Time History

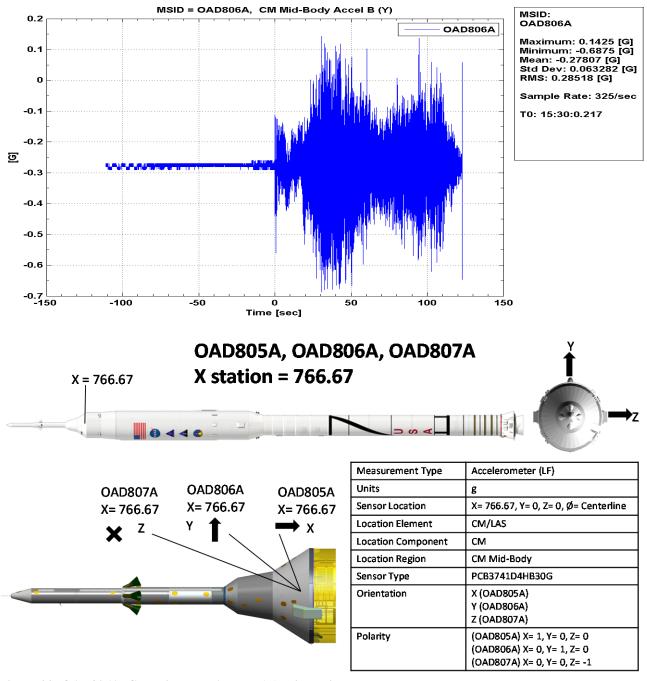


Figure 22: OAD806A CM Mid-Body Accel B (Y), Time History

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OAD807A CM Mid-Body Accel C (Z), PSD

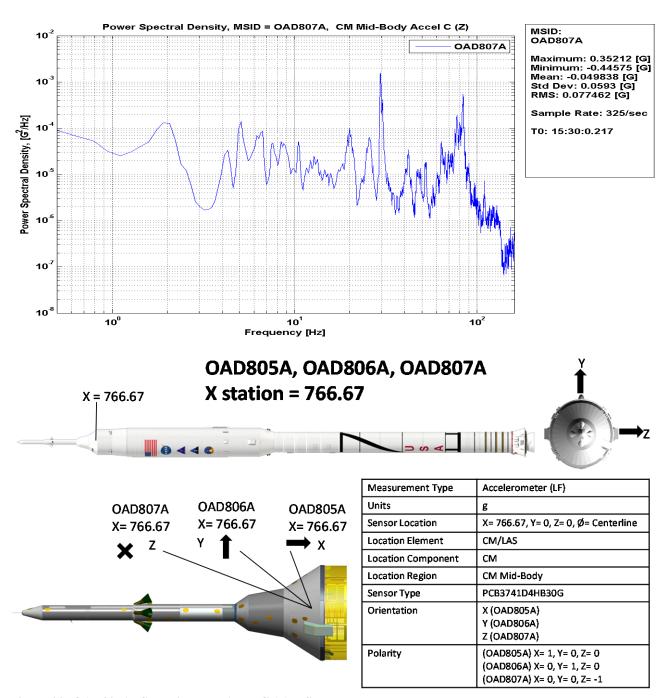


Figure 23: OAD807A CM Mid-Body Accel C (Z), PSD

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OAD807A CM Mid-Body Accel C (Z), Time History

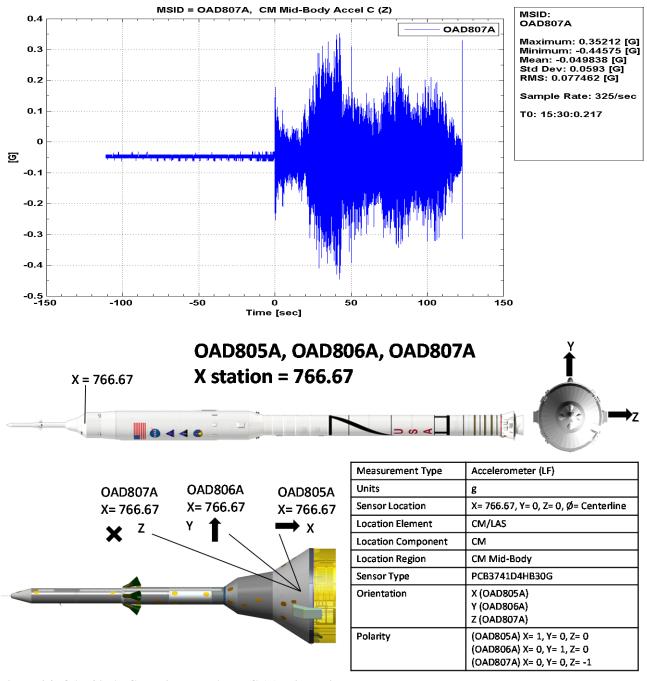


Figure 24: OAD807A CM Mid-Body Accel C (Z), Time History

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OAD811A Accel, Party Hat INT (Radial), PSD

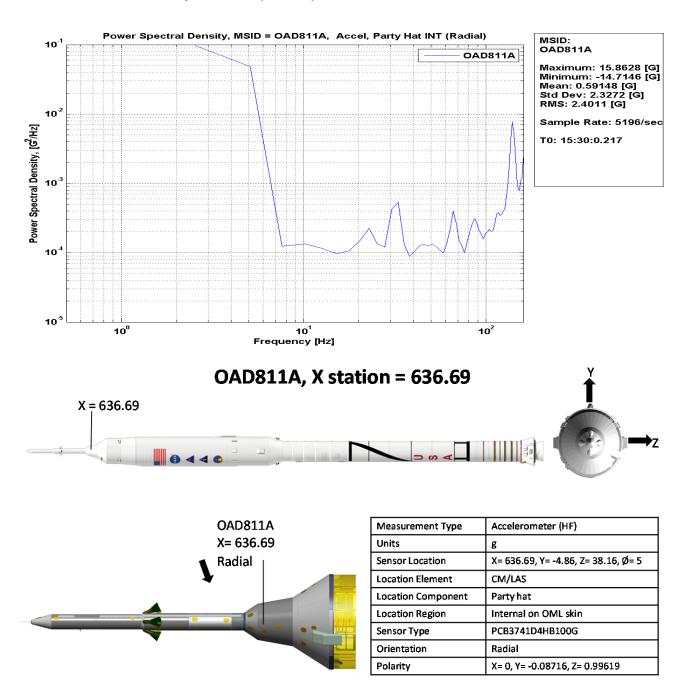


Figure 25: OAD811A Accel, Party Hat INT (Radial), PSD

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OAD811A Accel, Party Hat INT (Radial), Time History

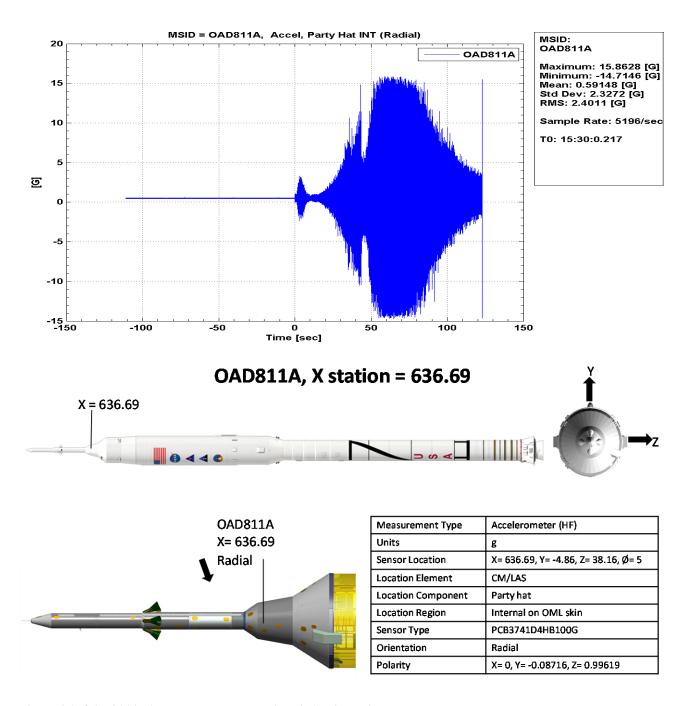


Figure 26: OAD811A Accel, Party Hat INT (Radial), Time History

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OAD812A Accel, CM INT A (Radial), PSD

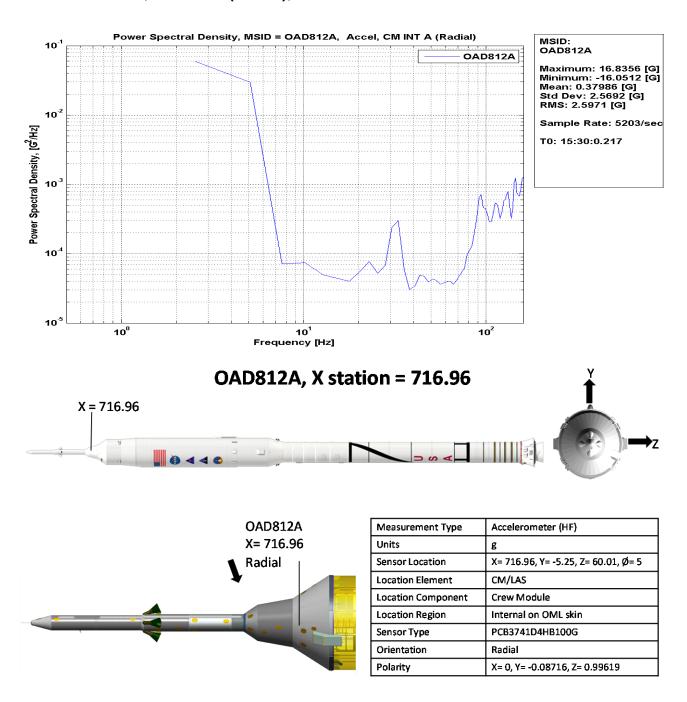


Figure 27: OAD812A Accel, CM INT A (Radial), PSD

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OAD812A Accel, CM INT A (Radial), Time History

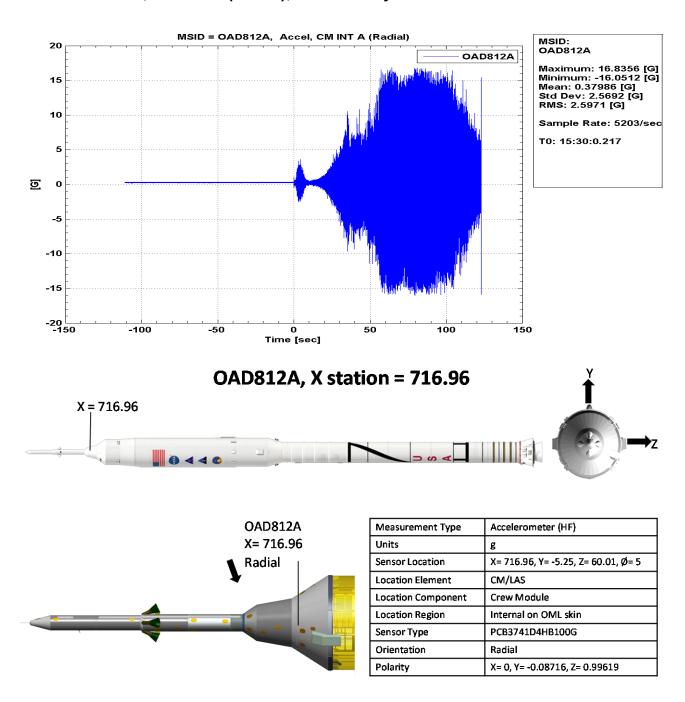


Figure 28: OAD812A Accel, CM INT A (Radial), Time History

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OAD813A Accel, CM, INT B (Radial), PSD

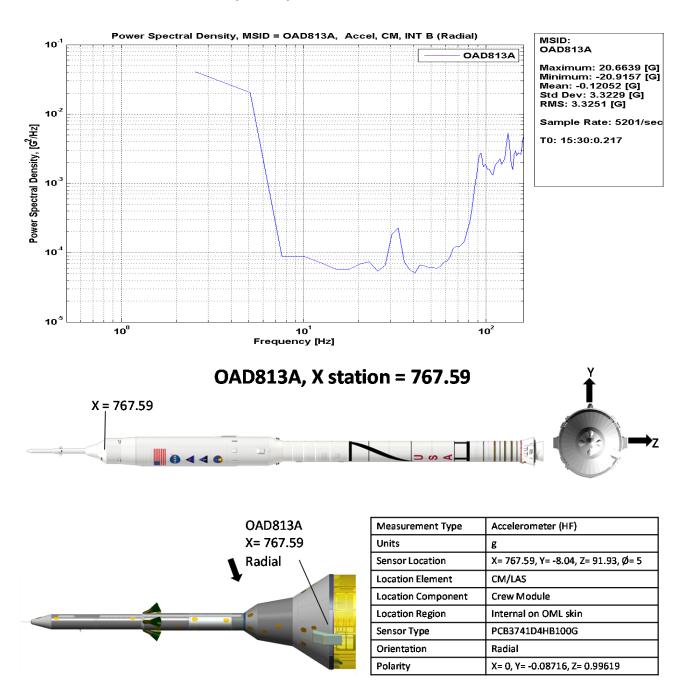


Figure 29: OAD813A Accel, CM, INT B (Radial), PSD

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OAD813A Accel, CM, INT B (Radial), Time History

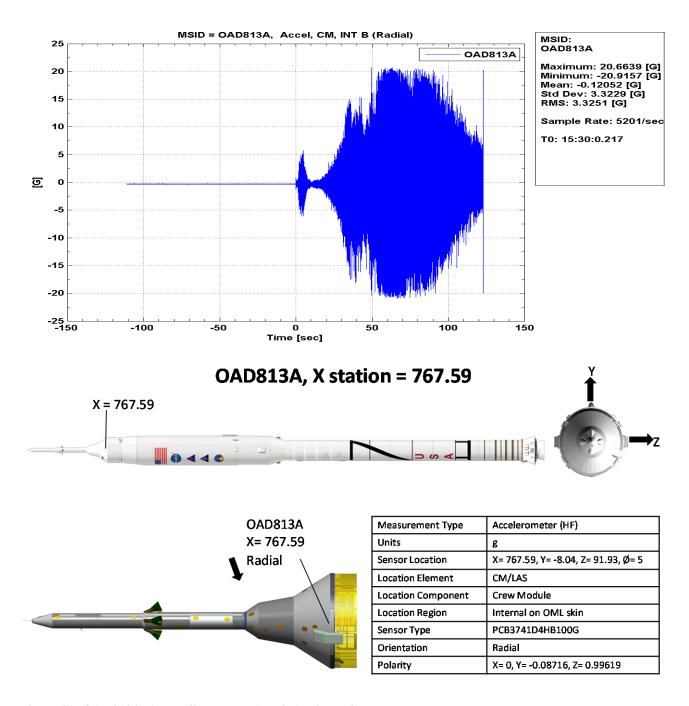


Figure 30: OAD813A Accel, CM, INT B (Radial), Time History

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OAD814A LAS INT on OML Skin Accel A (Radial), PSD

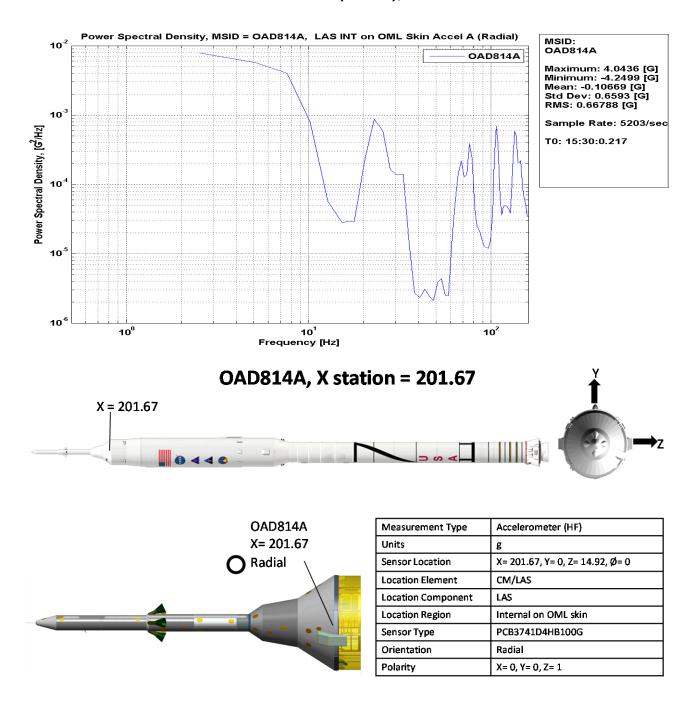


Figure 31: OAD814A LAS INT on OML Skin Accel A (Radial), PSD

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OAD814A LAS INT on OML Skin Accel A (Radial), Time History

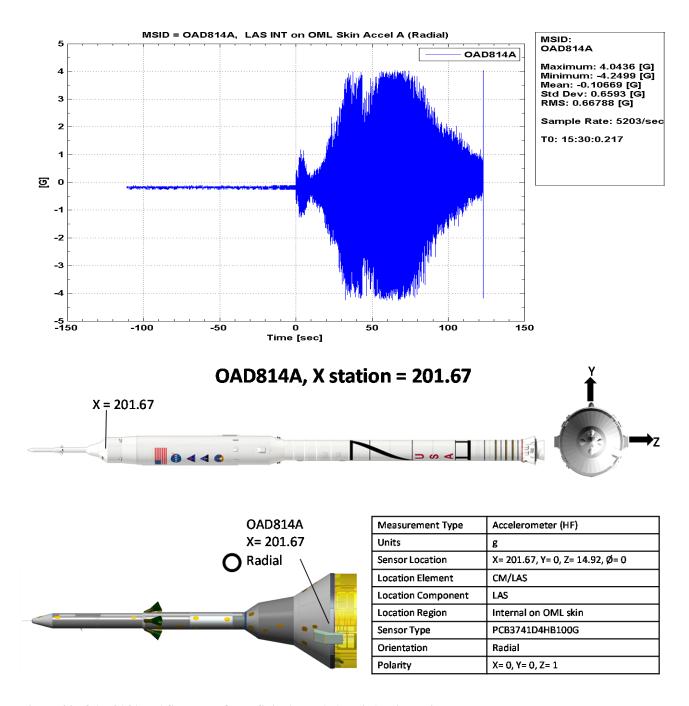


Figure 32: OAD814A LAS INT on OML Skin Accel A (Radial), Time History

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OAD815A LAS INT on OML Skin Accel B (Radial), PSD

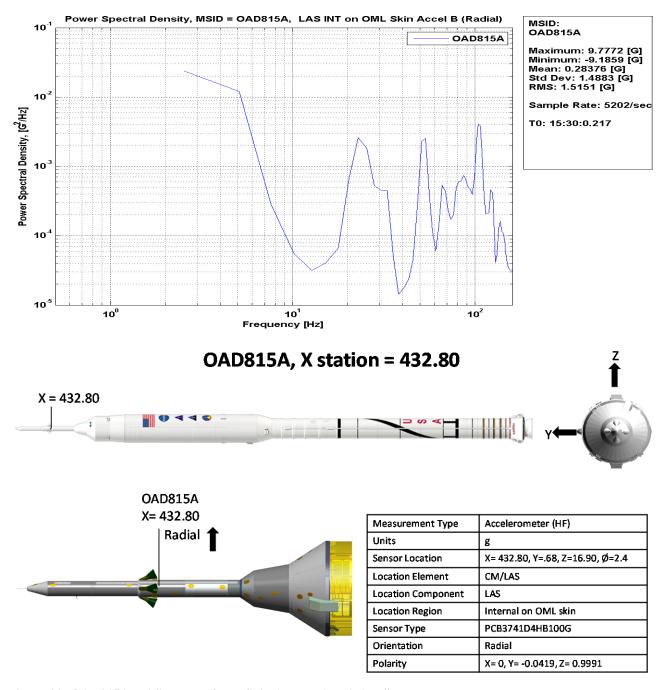


Figure 33: OAD815A LAS INT on OML Skin Accel B (Radial), PSD

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OAD815A LAS INT on OML Skin Accel B (Radial), Time History

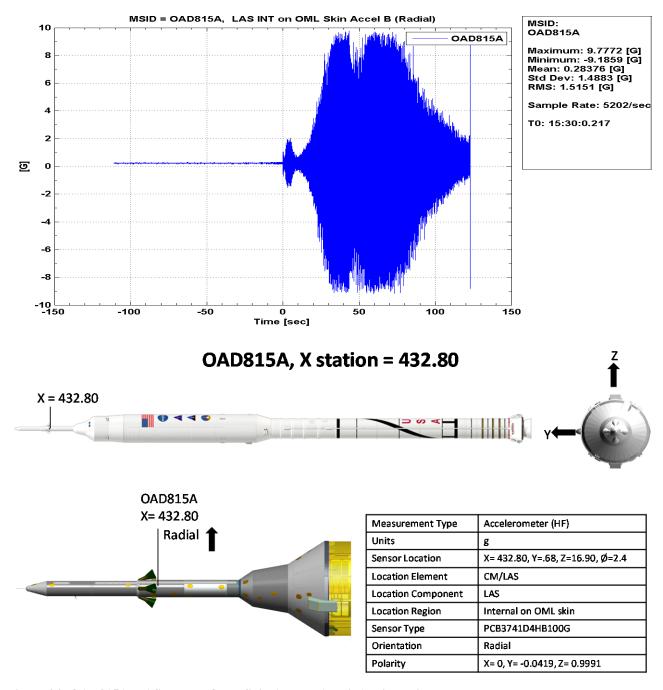


Figure 34: OAD815A LAS INT on OML Skin Accel B (Radial), Time History

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OAD948A SM/CM Interface Accel A (X), PSD

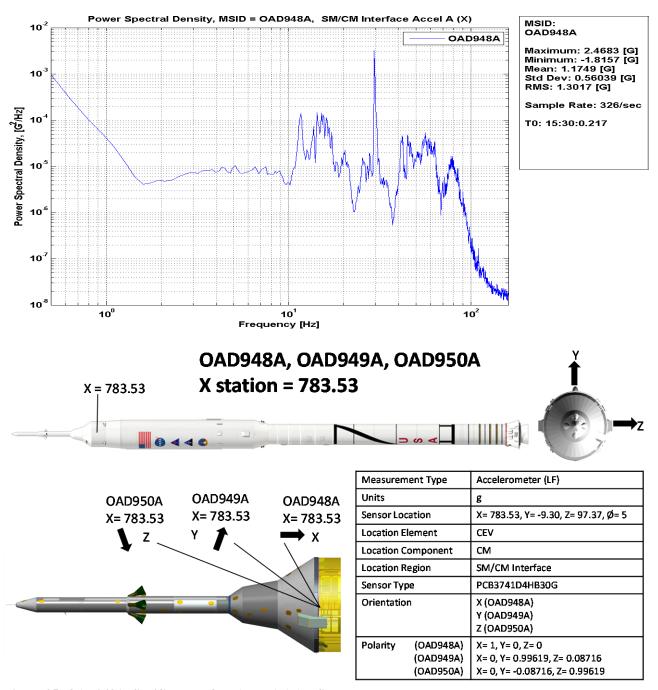


Figure 35: OAD948A SM/CM Interface Accel A (X), PSD

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OAD948A SM/CM Interface Accel A (X), Time History

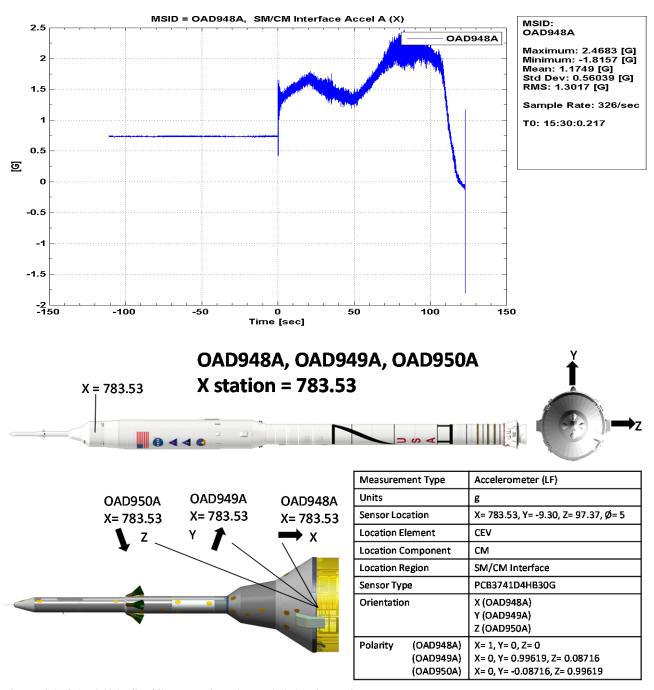


Figure 36: OAD948A SM/CM Interface Accel A (X), Time History

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OAD949A SM/CM Interface Accel B (Y), PSD

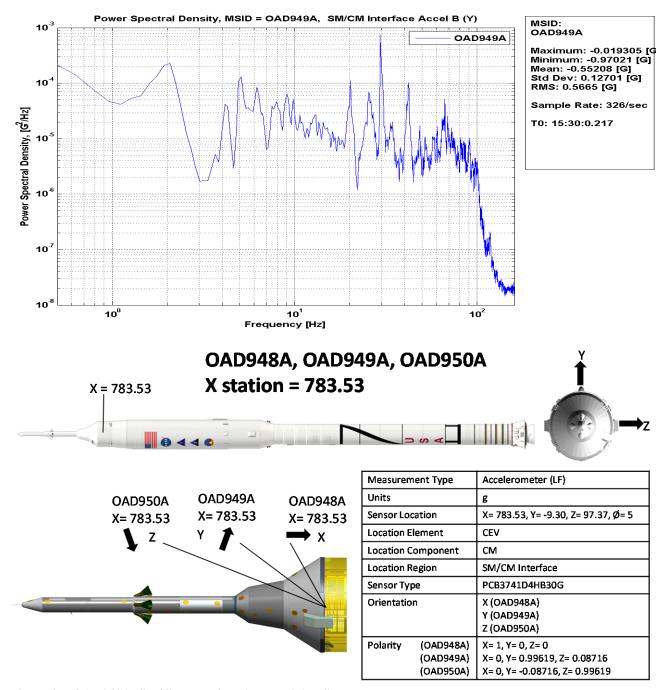


Figure 37: OAD949A SM/CM Interface Accel B (Y), PSD

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OAD949A SM/CM Interface Accel B (Y), Time History

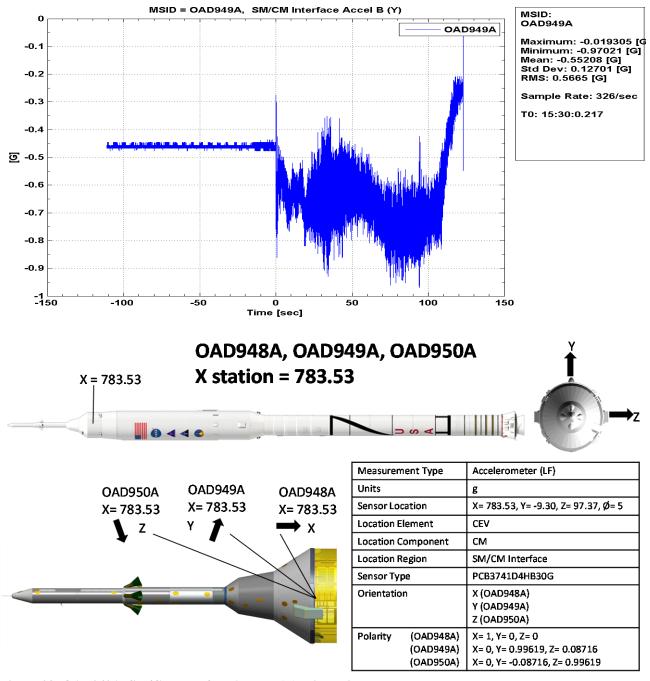


Figure 38: OAD949A SM/CM Interface Accel B (Y), Time History

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OAD950A SM/CM Interface Accel C (Z), PSD

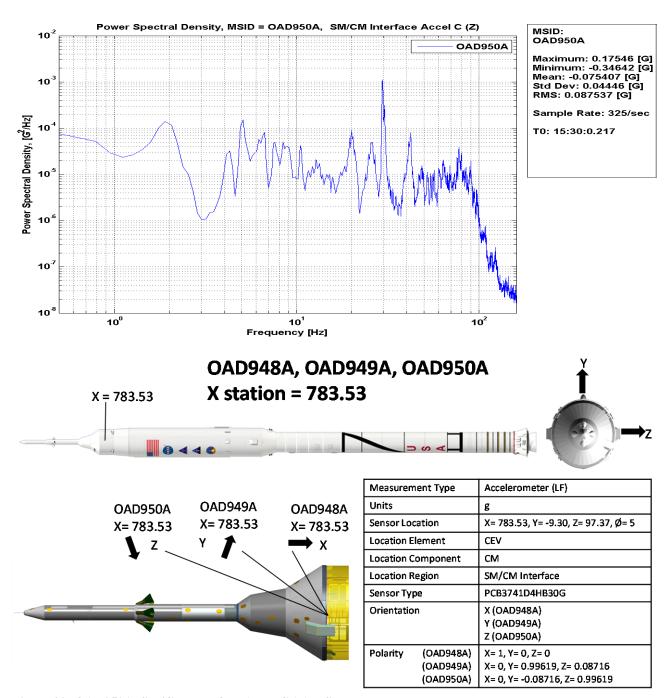


Figure 39: OAD950A SM/CM Interface Accel C (Z), PSD

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OAD950A SM/CM Interface Accel C (Z), Time History

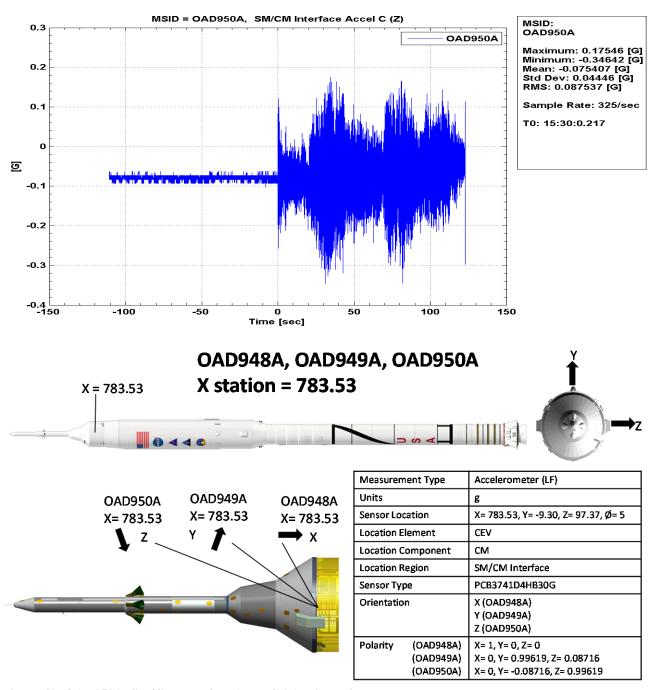


Figure 40: OAD950A SM/CM Interface Accel C (Z), Time History

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ACCELEROMETERS: UPPER STAGE SIMULATOR IAD001A CXP0014 IS2 FWD Flange Accel Axial +Z, PSD

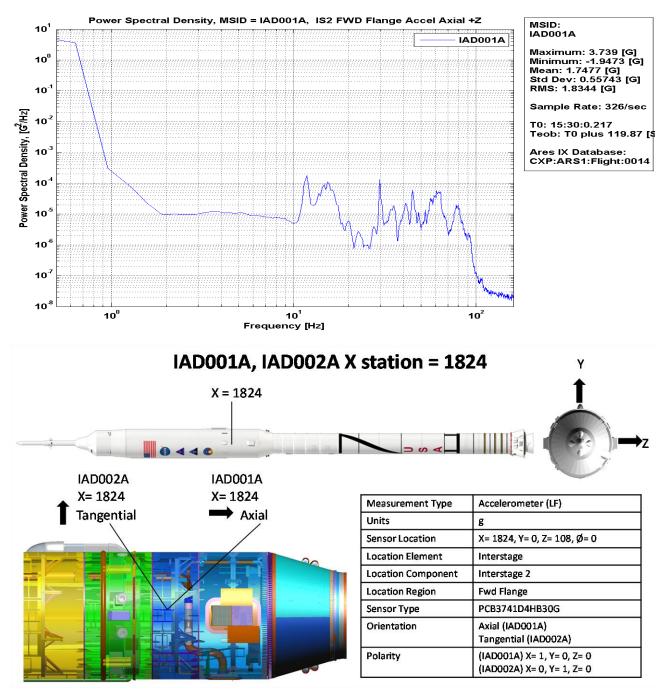


Figure 41: IAD001A CXP0014 IS2 FWD Flange Accel Axial +Z, PSD

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IAD001A CXP0014 IS2 FWD Flange Accel Axial +Z, Time History

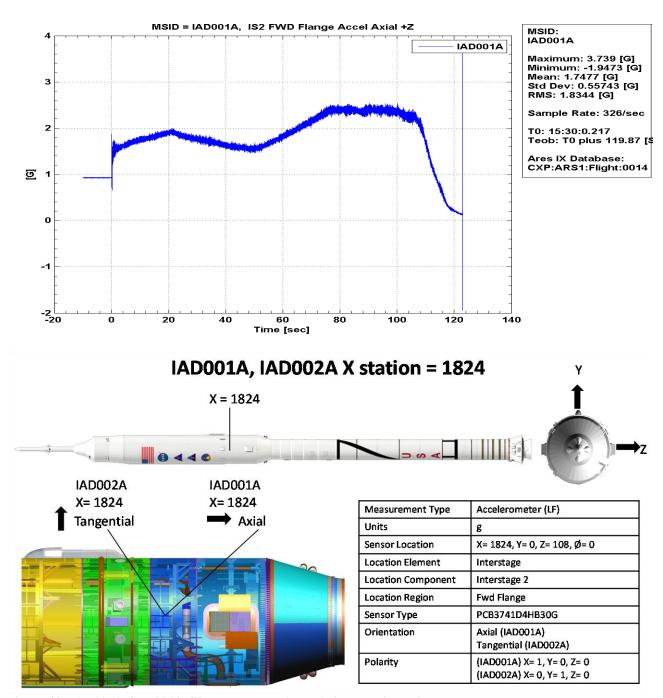


Figure 42: IAD001A CXP0014 IS2 FWD Flange Accel Axial +Z, Time History

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IAD001A IS2 FWD Flange Accel Axial +Z, PSD

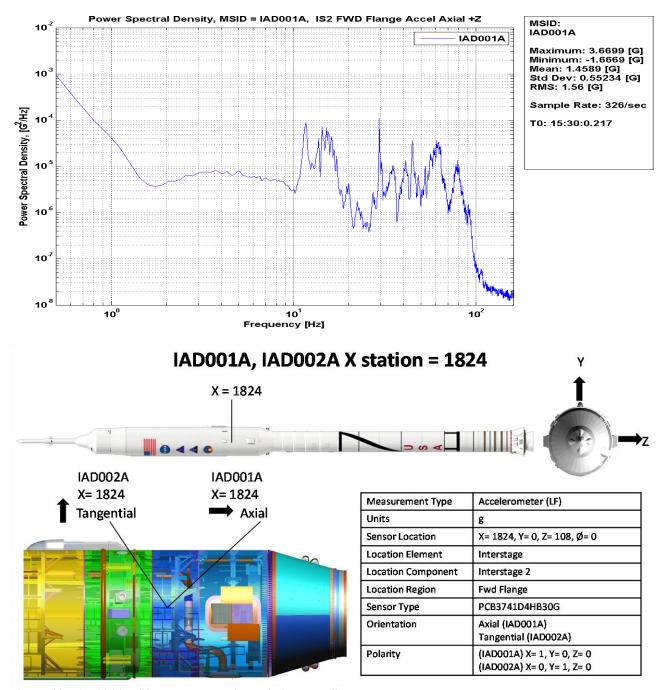


Figure 43: IAD001A IS2 FWD Flange Accel Axial +Z, PSD

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IAD001A IS2 FWD Flange Accel Axial +Z, Time History

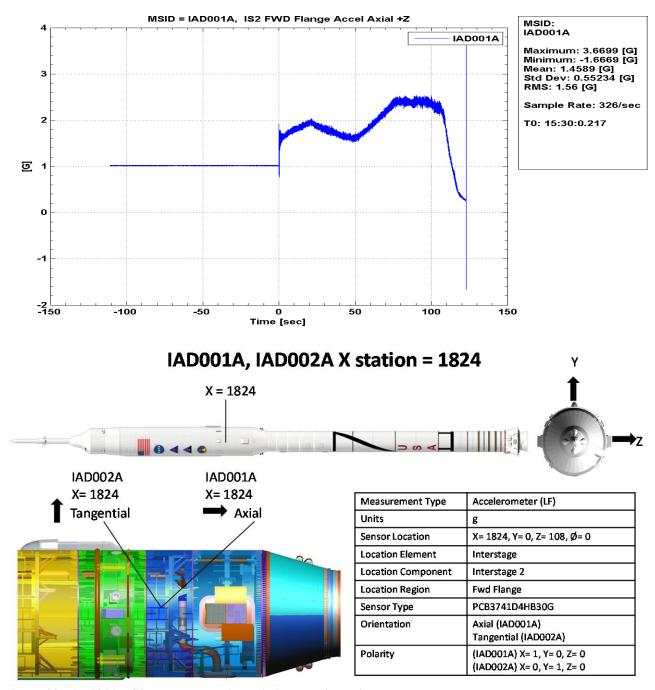


Figure 44: IAD001A IS2 FWD Flange Accel Axial +Z, Time History

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IAD002A CXP0014 IS2 FWD Flange Accel Tangential +Z, PSD

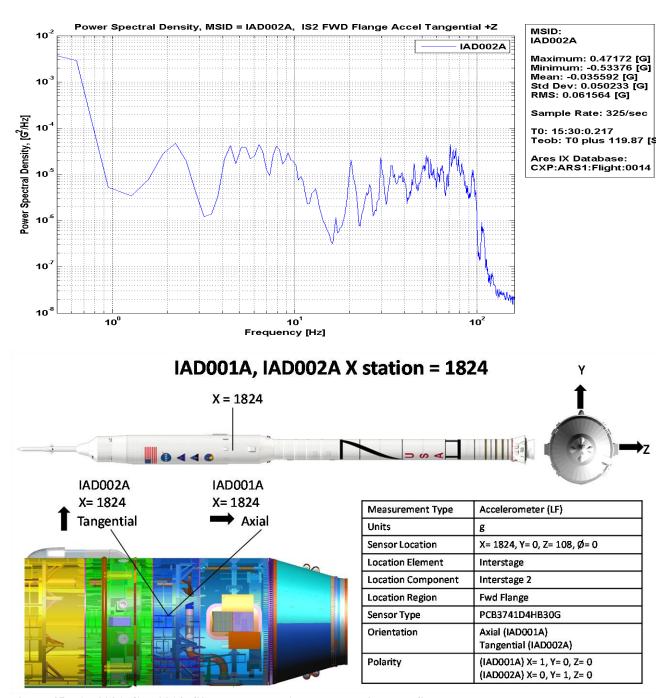


Figure 45: IAD002A CXP0014 IS2 FWD Flange Accel Tangential +Z, PSD

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IAD002A CXP0014 IS2 FWD Flange Accel Tangential +Z, Time History

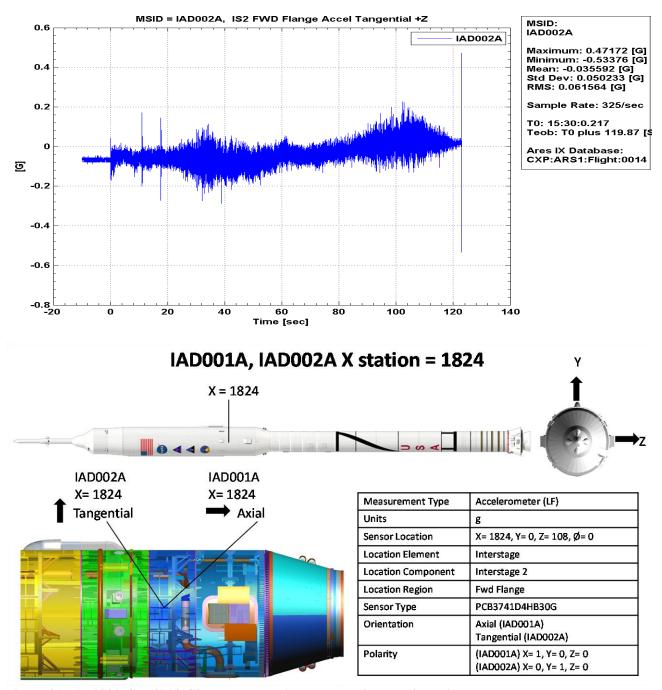


Figure 46: IAD002A CXP0014 IS2 FWD Flange Accel Tangential +Z, Time History

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IAD002A IS2 FWD Flange Accel Tangential +Z, PSD

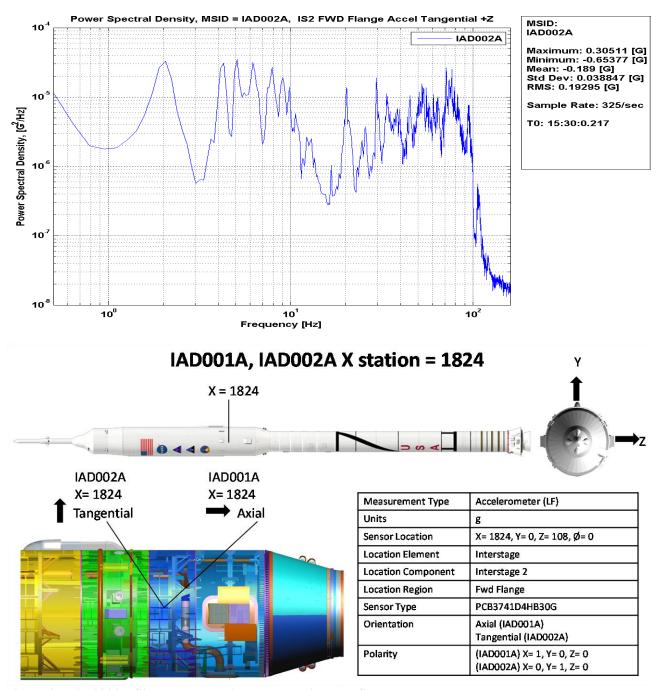


Figure 47: IAD002A IS2 FWD Flange Accel Tangential +Z, PSD

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IAD002A IS2 FWD Flange Accel Tangential +Z, Time History

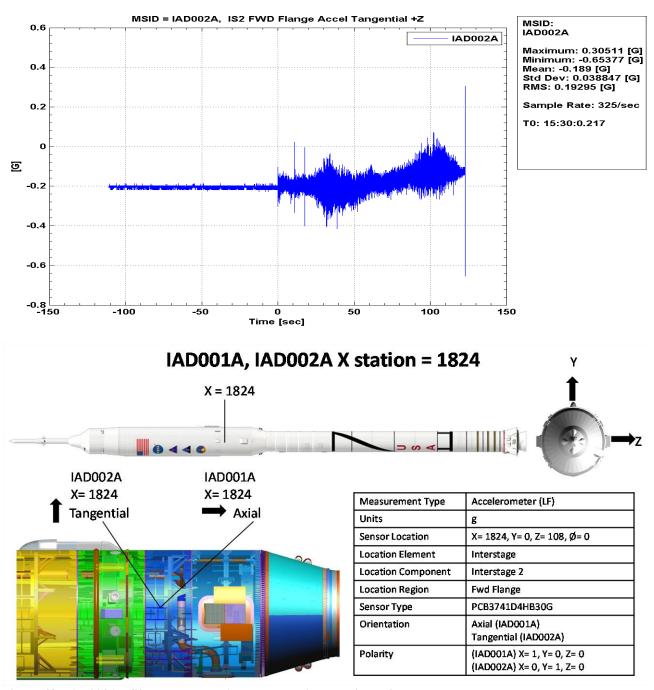


Figure 48: IAD002A IS2 FWD Flange Accel Tangential +Z, Time History

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IAD003A IS2 FWD Flange Accel Axial -Y, PSD

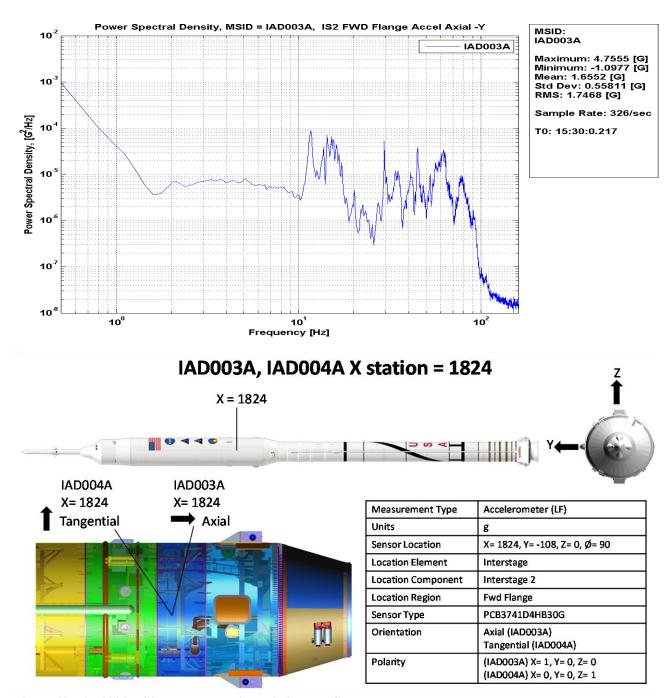
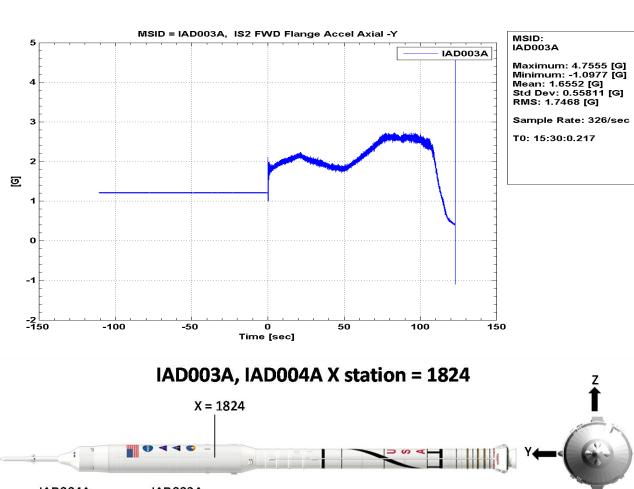


Figure 49: IAD003A IS2 FWD Flange Accel Axial -Y, PSD

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IAD003A IS2 FWD Flange Accel Axial -Y, Time History



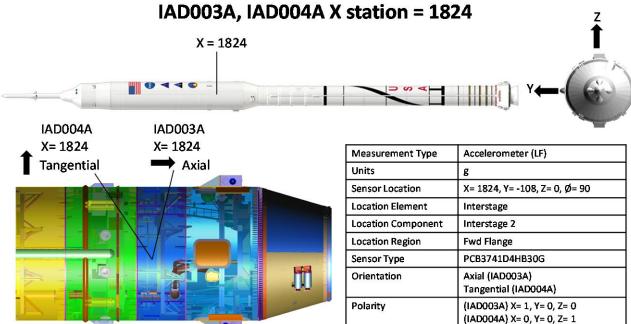


Figure 50: IAD003A IS2 FWD Flange Accel Axial -Y, Time History

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IAD004A CXP0014 IS2 FWD Flange Accel Tangential -Y, PSD

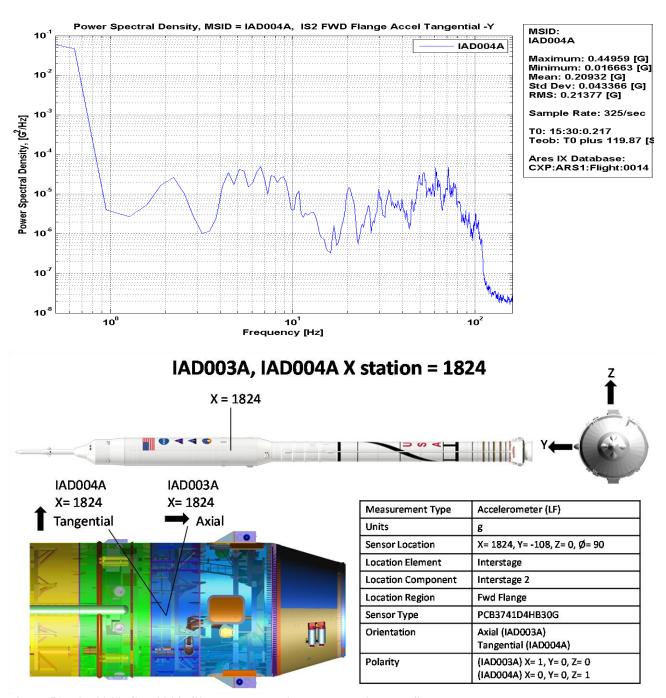


Figure 51: IAD004A CXP0014 IS2 FWD Flange Accel Tangential -Y, PSD

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IAD004A CXP0014 IS2 FWD Flange Accel Tangential -Y, Time History

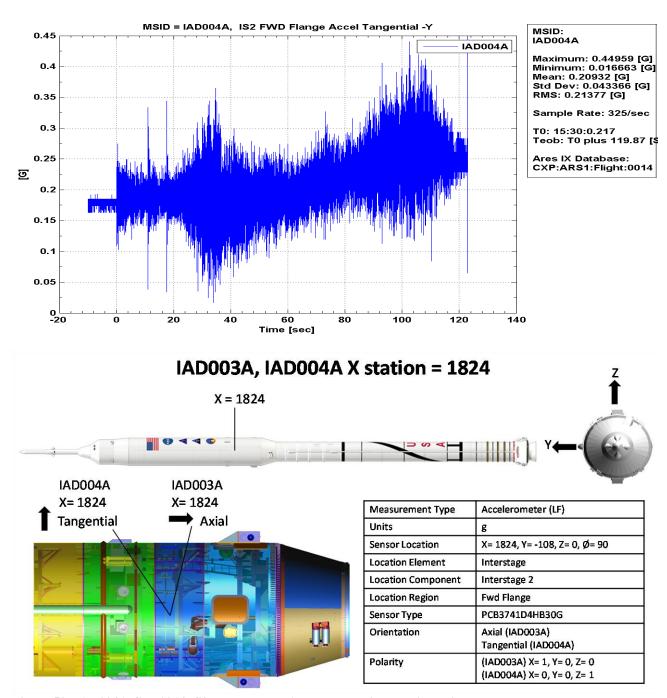


Figure 52: IAD004A CXP0014 IS2 FWD Flange Accel Tangential -Y, Time History

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IAD004A IS2 FWD Flange Accel Tangential -Y, PSD

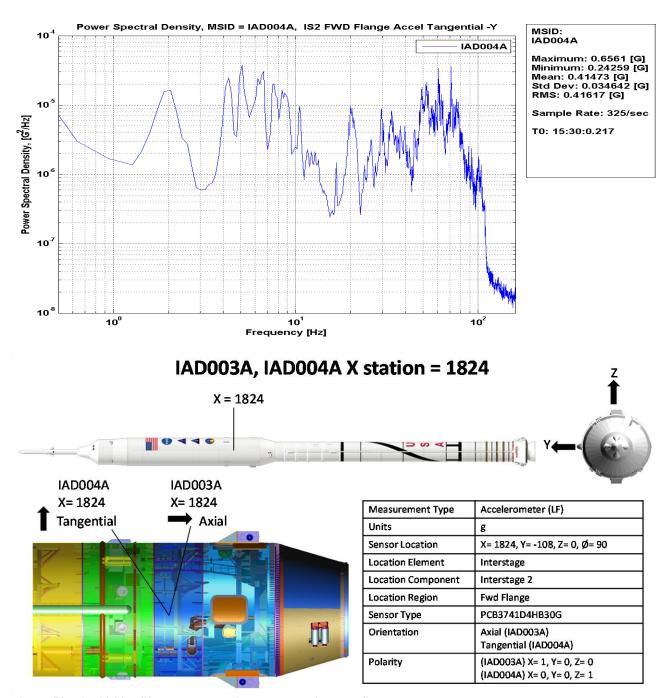


Figure 53: IAD004A IS2 FWD Flange Accel Tangential -Y, PSD

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IAD004A IS2 FWD Flange Accel Tangential -Y, Time History

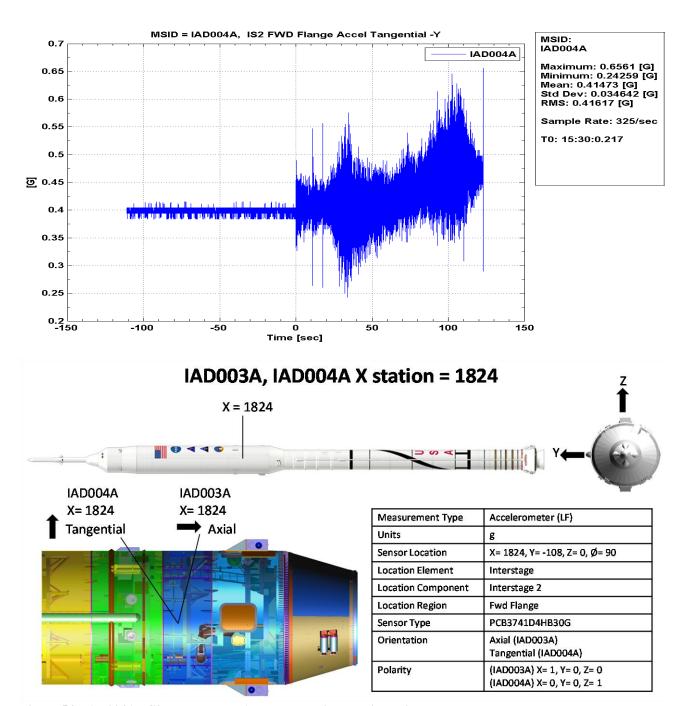


Figure 54: IAD004A IS2 FWD Flange Accel Tangential -Y, Time History

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IAD005A IS2 FWD Flange Accel Axial -Z, PSD

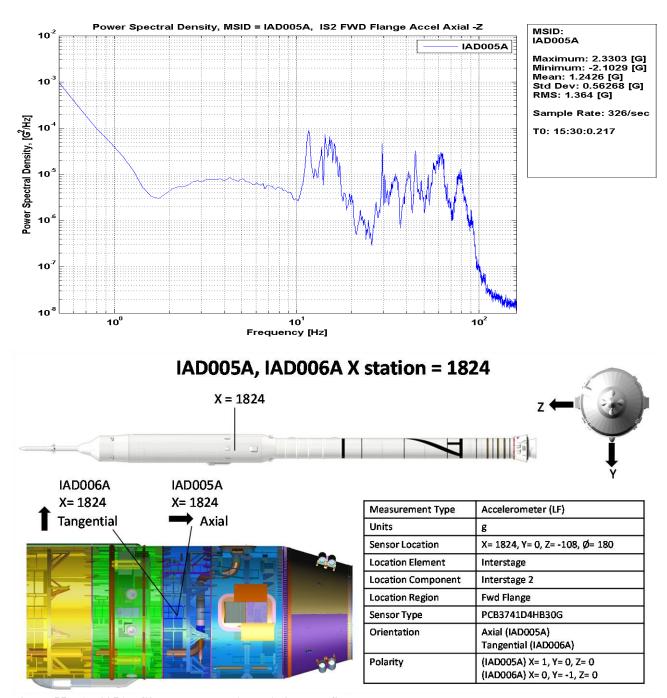


Figure 55: IAD005A IS2 FWD Flange Accel Axial -Z, PSD

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IAD005A IS2 FWD Flange Accel Axial -Z, Time History

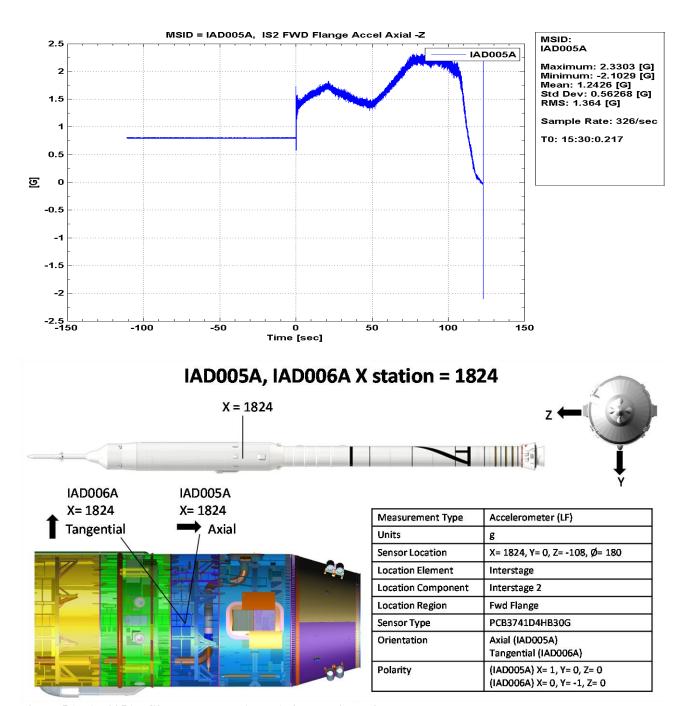


Figure 56: IAD005A IS2 FWD Flange Accel Axial -Z, Time History

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IAD006A IS2 FWD Flange Accel Tangential -Z, PSD

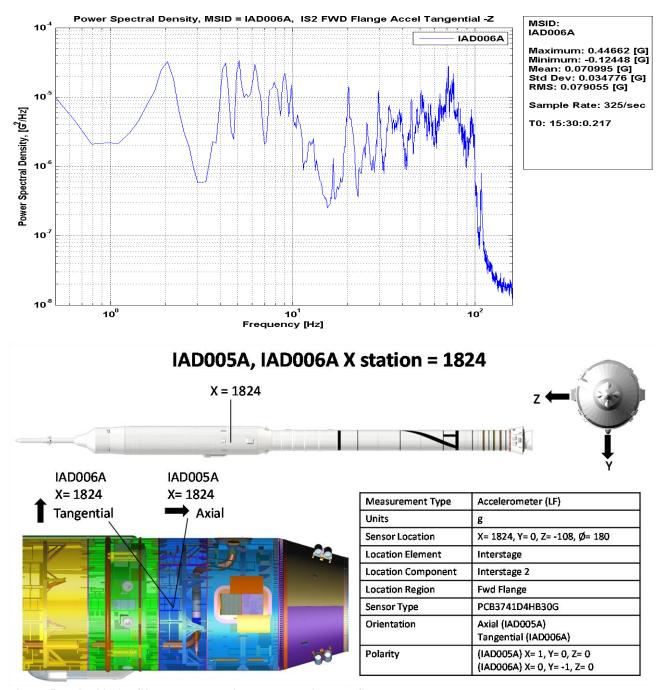


Figure 57: IAD006A IS2 FWD Flange Accel Tangential -Z, PSD

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IAD006A IS2 FWD Flange Accel Tangential -Z, Time History

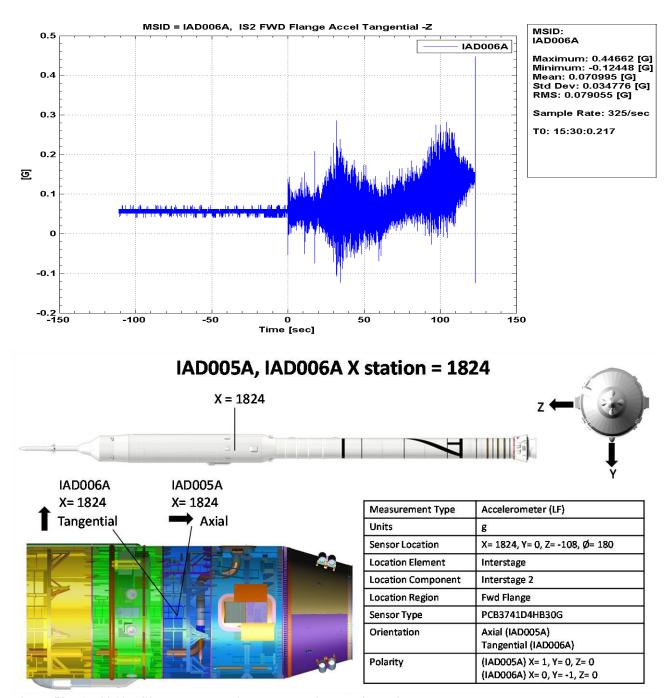


Figure 58: IAD006A IS2 FWD Flange Accel Tangential -Z, Time History

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IAD007A IS2 FWD Flange Accel Axial +Y, PSD

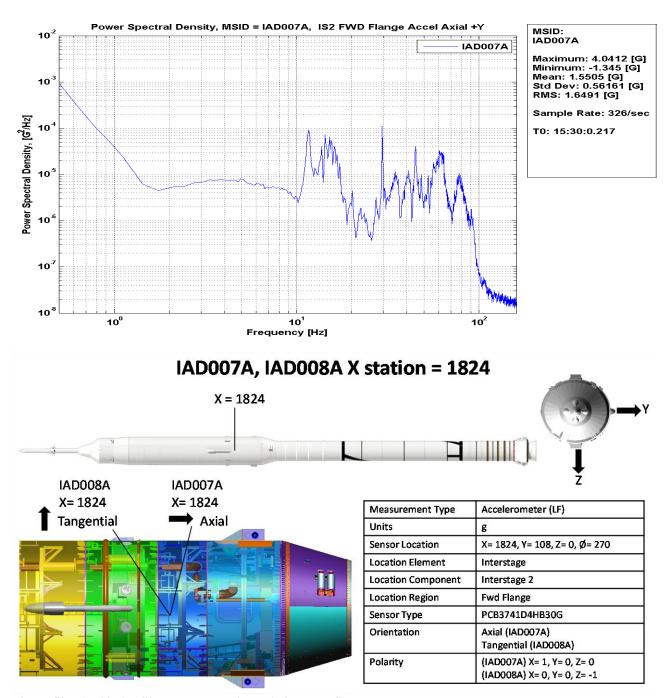


Figure 59: IAD007A IS2 FWD Flange Accel Axial +Y, PSD

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IAD007A IS2 FWD Flange Accel Axial +Y, Time History

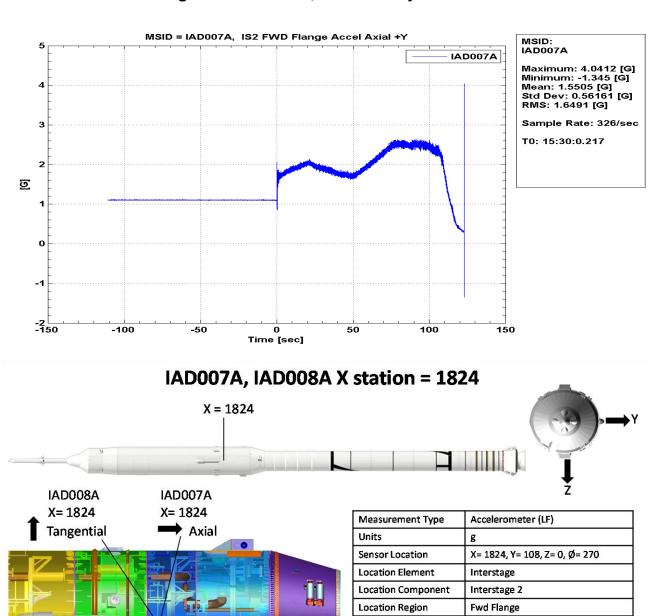


Figure 60: IAD007A IS2 FWD Flange Accel Axial +Y, Time History

PCB3741D4HB30G

Tangential (IAD008A)

(IADO07A) X= 1, Y= 0, Z= 0 (IADO08A) X= 0, Y= 0, Z= -1

Axial (IAD007A)

Sensor Type

Orientation

Polarity

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IAD008A IS2 FWD Flange Accel Tangential +Y, PSD

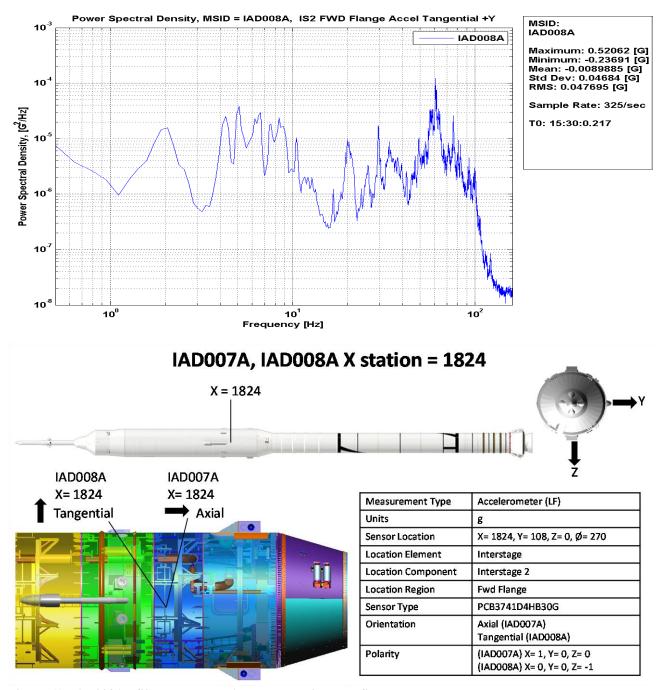


Figure 61: IAD008A IS2 FWD Flange Accel Tangential +Y, PSD

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IAD008A IS2 FWD Flange Accel Tangential +Y, Time History

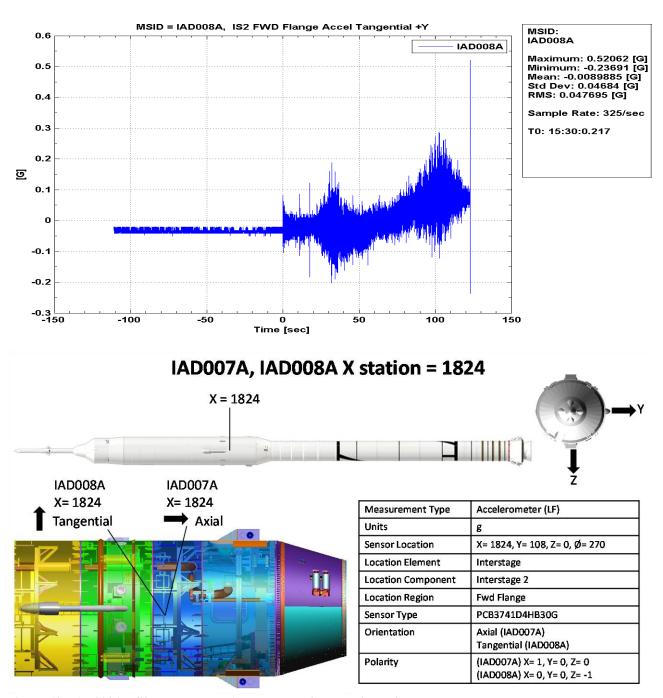


Figure 62: IAD008A IS2 FWD Flange Accel Tangential +Y, Time History

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IAD056A IS2 J2 Accel X, PSD

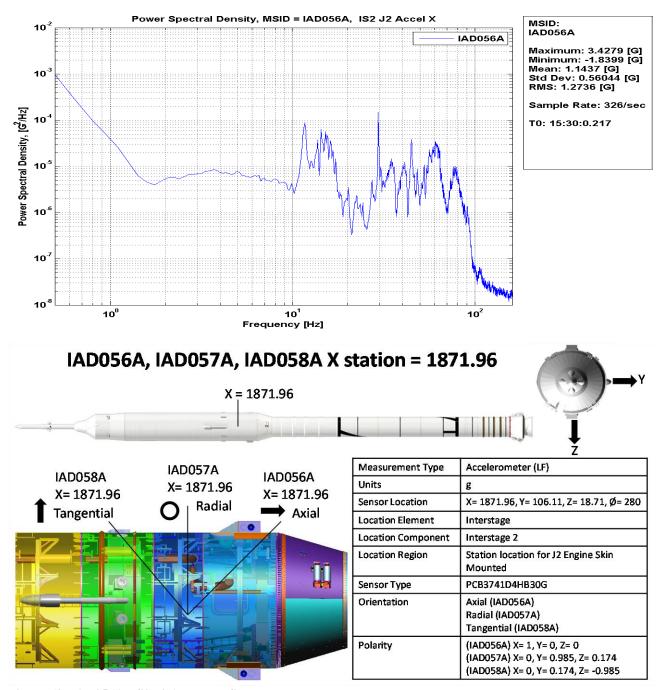


Figure 63: IAD056A IS2 J2 Accel X, PSD

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IAD056A IS2 J2 Accel X, Time History

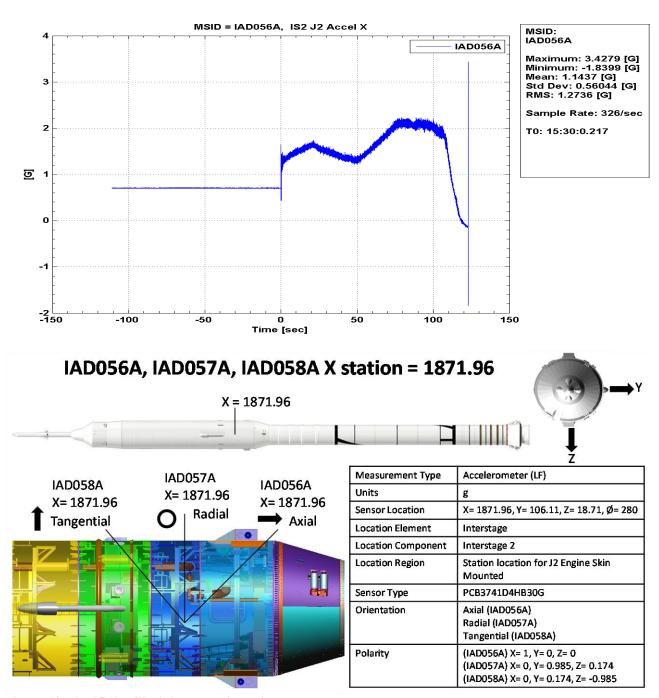


Figure 64: IAD056A IS2 J2 Accel X, Time History

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IAD057A IS2 J2 Accel Y, PSD

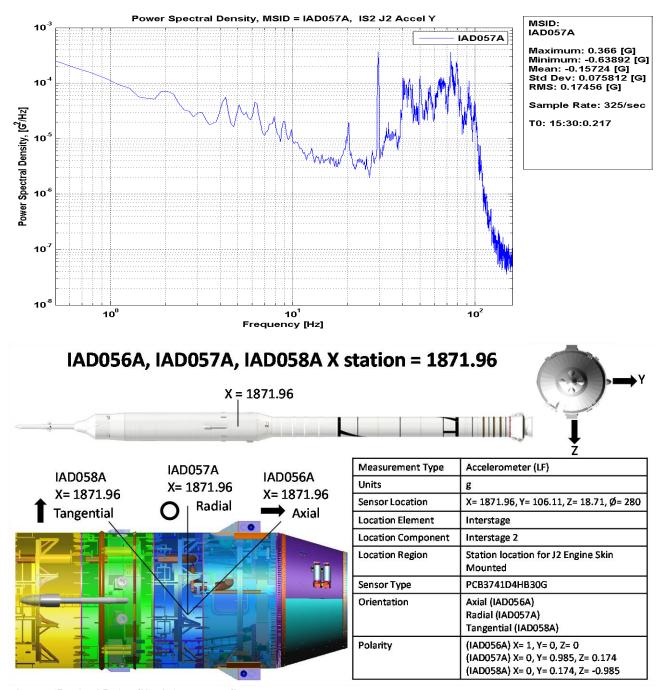


Figure 65: IAD057A IS2 J2 Accel Y, PSD

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IAD057A IS2 J2 Accel Y, Time History

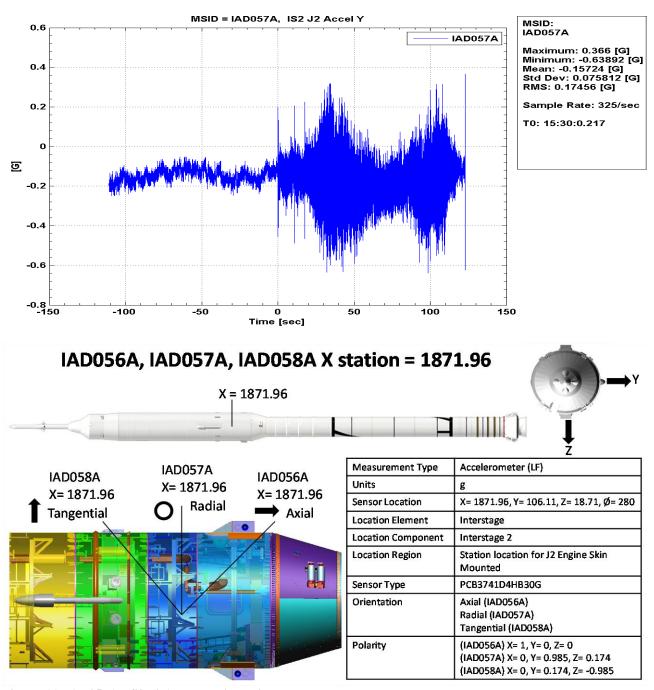


Figure 66: IAD057A IS2 J2 Accel Y, Time History

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IAD058A IS2 J2 Accel Z, PSD

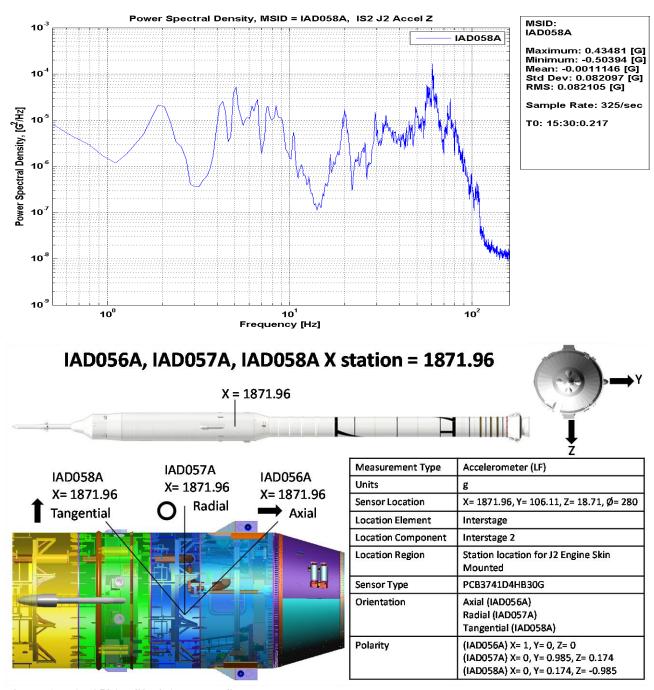


Figure 67: IAD058A IS2 J2 Accel Z, PSD

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IAD058A IS2 J2 Accel Z, Time History

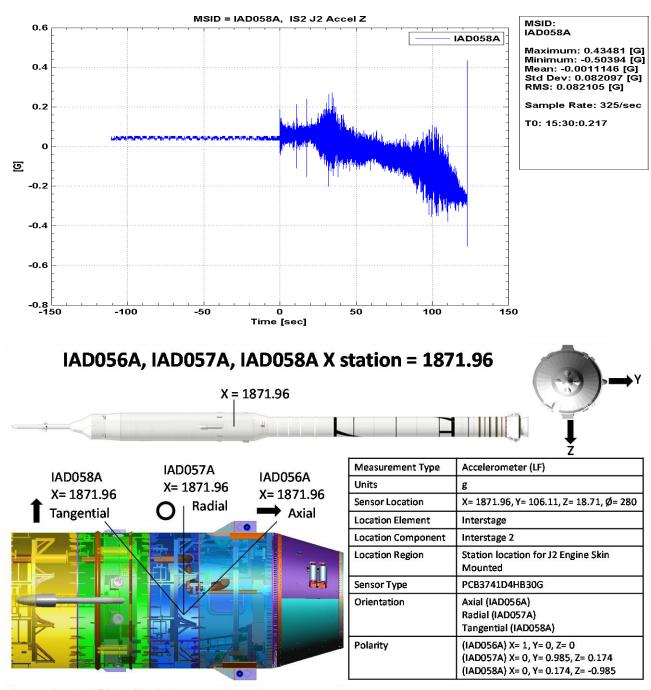


Figure 68: IAD058A IS2 J2 Accel Z, Time History

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IAD060A Accel, US7, Foot of RRGU, X, PSD

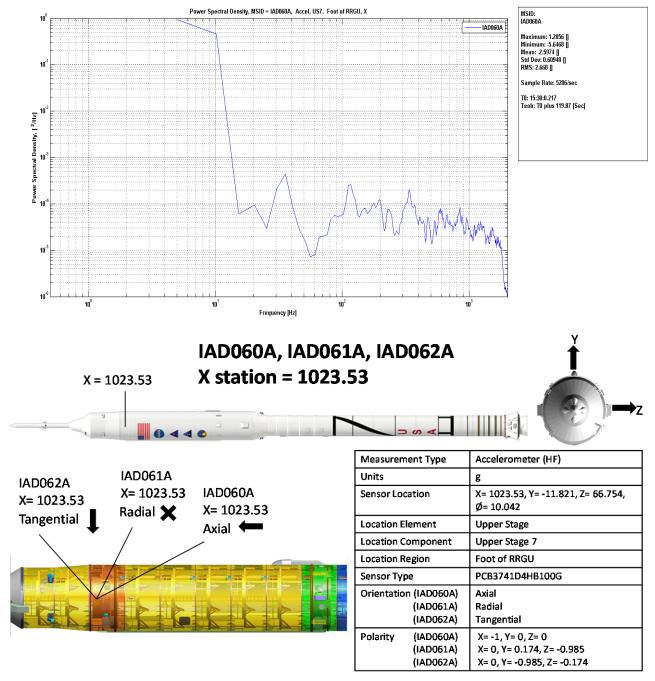


Figure 69: IAD060A Accel, US7, Foot of RRGU, X, PSD

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IAD060A Accel, US7, Foot of RRGU, X, Time History

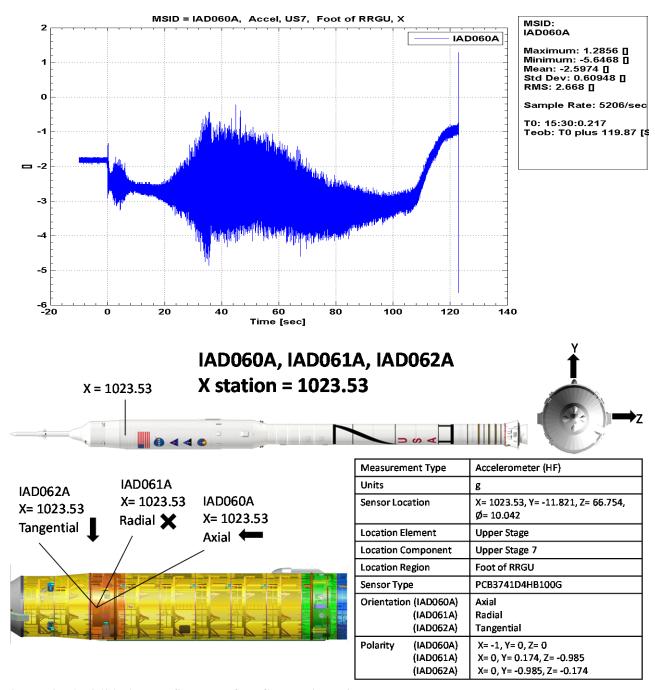


Figure 70: IAD060A Accel, US7, Foot of RRGU, X, Time History

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IAD061A Accel, US7, Foot of RRGU, Y, PSD

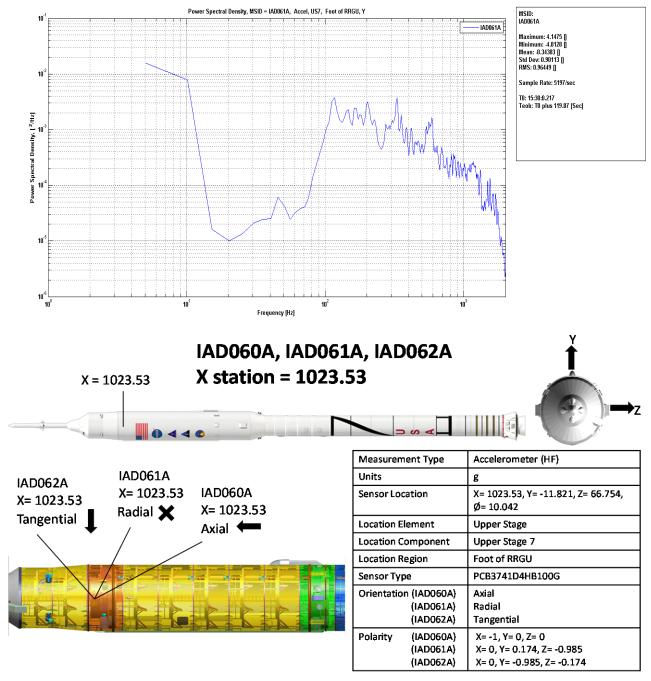


Figure 71: IAD061A Accel, US7, Foot of RRGU, Y, PSD

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IAD061A Accel, US7, Foot of RRGU, Y, Time History

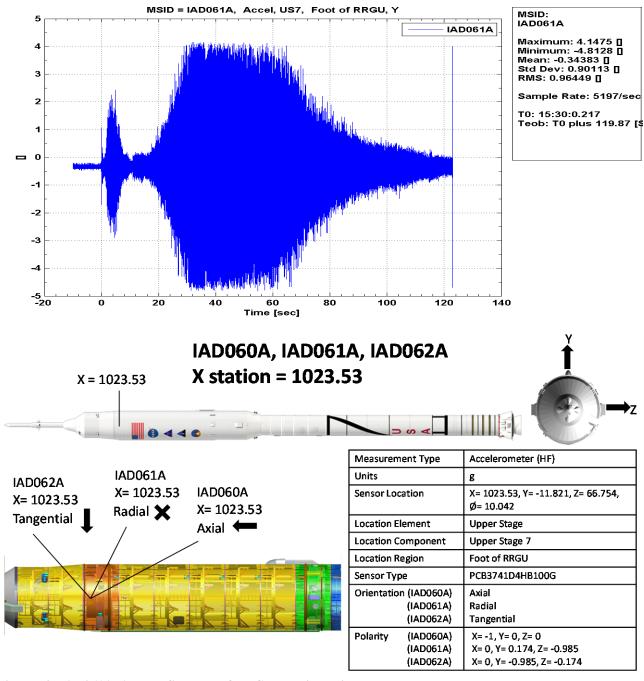


Figure 72: IAD061A Accel, US7, Foot of RRGU, Y, Time History

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IAD062A Accel, US7, Foot of RRGU, Z, PSD

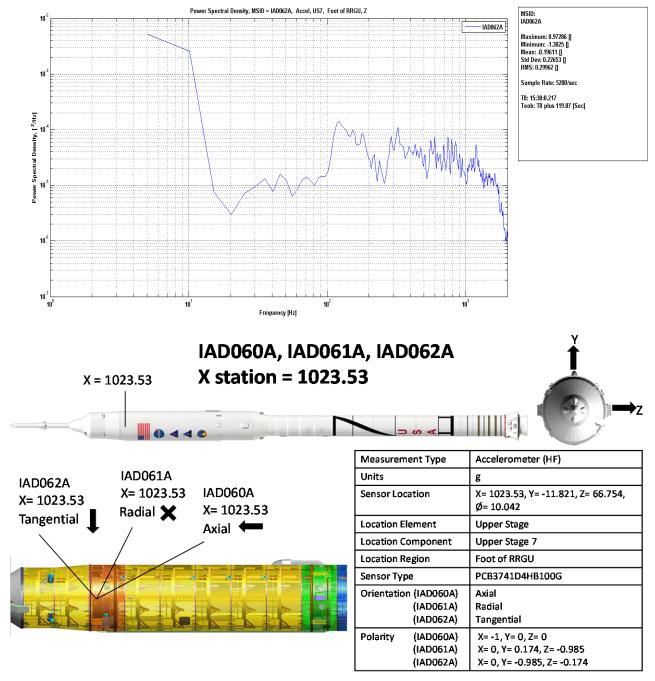


Figure 73: IAD062A Accel, US7, Foot of RRGU, Z, PSD

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IAD062A Accel, US7, Foot of RRGU, Z, Time History

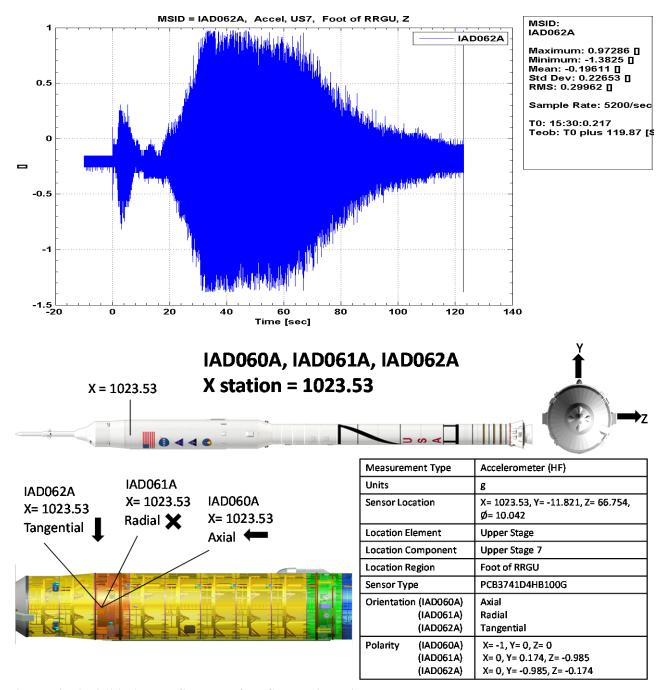


Figure 74: IAD062A Accel, US7, Foot of RRGU, Z, Time History

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IAD063A Accel, US1, Foot of FTINU, X, PSD

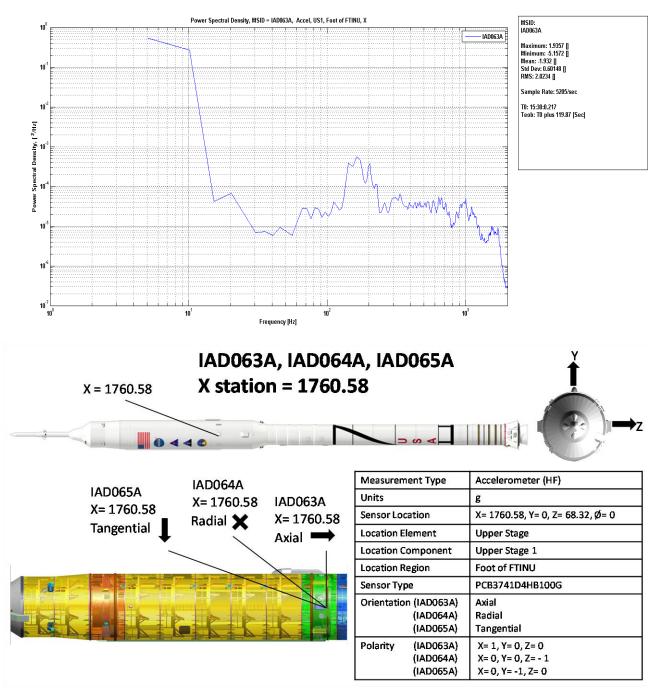


Figure 75: IAD063A Accel, US1, Foot of FTINU, X, PSD

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IAD063A Accel, US1, Foot of FTINU, X, Time History

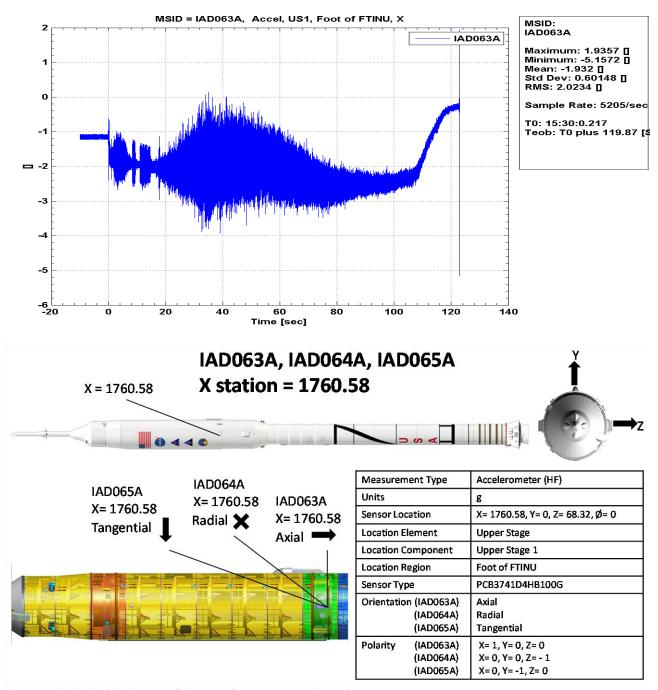


Figure 76: IAD063A Accel, US1, Foot of FTINU, X, Time History

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IAD064A Accel, US1, Foot of FTINU, Y, PSD

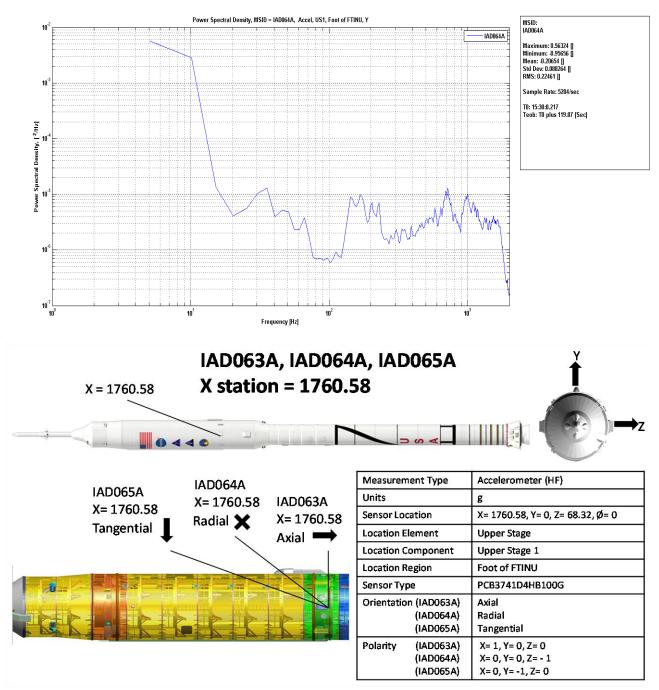


Figure 77: IAD064A Accel, US1, Foot of FTINU, Y, PSD

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IAD064A Accel, US1, Foot of FTINU, Y, Time History

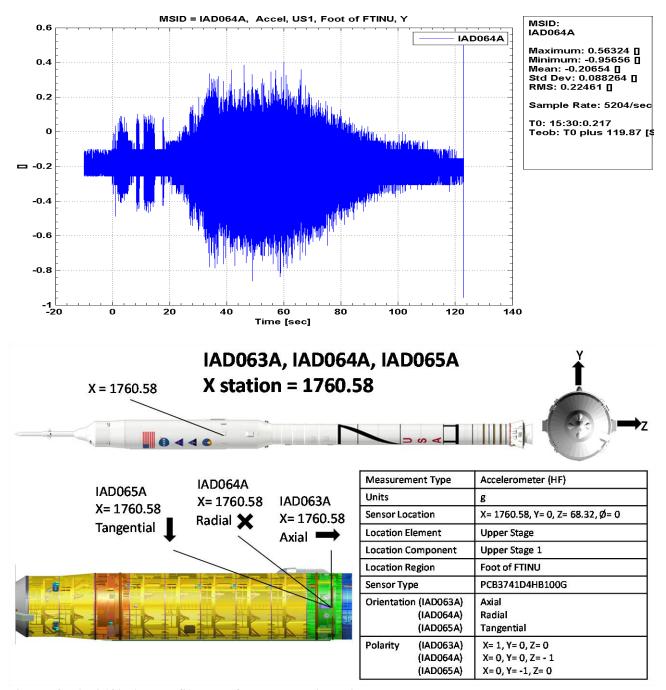


Figure 78: IAD064A Accel, US1, Foot of FTINU, Y, Time History

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IAD065A Accel, US1, Foot of FTINU, Z, PSD

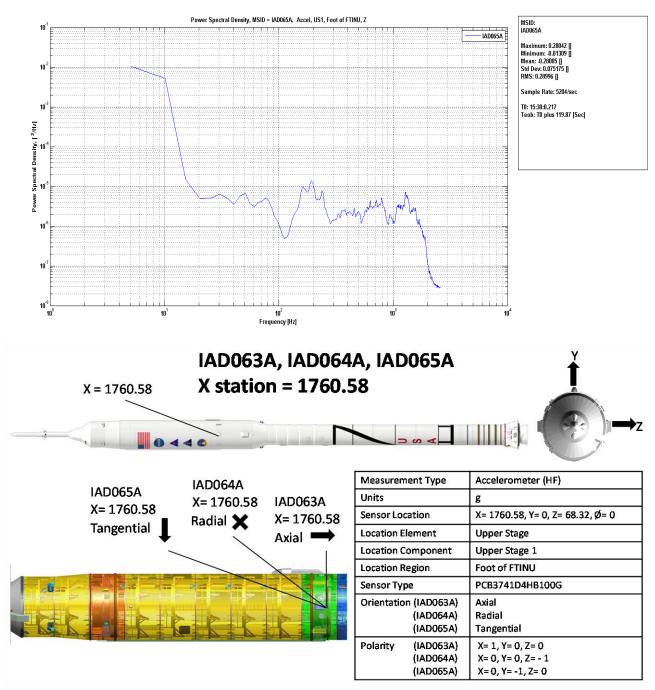


Figure 79: IAD065A Accel, US1, Foot of FTINU, Z, PSD

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IAD065A Accel, US1, Foot of FTINU, Z, Time History

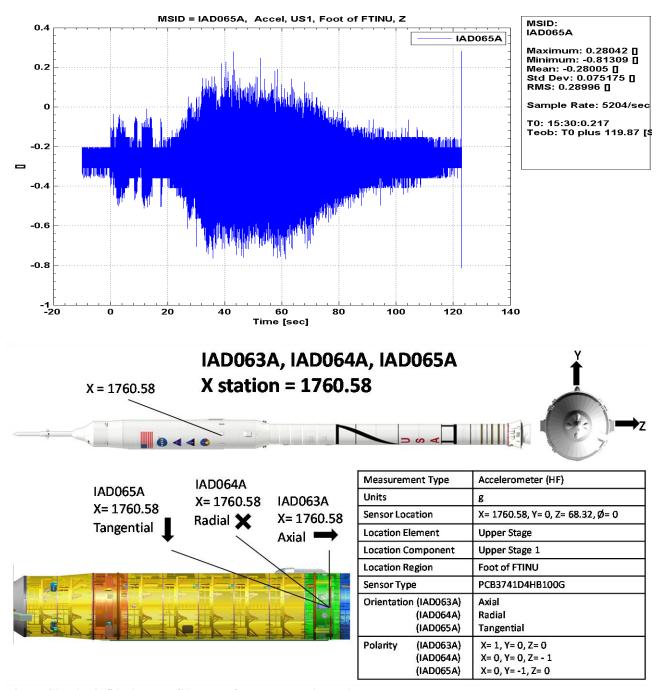


Figure 80: IAD065A Accel, US1, Foot of FTINU, Z, Time History

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IAD585A CXP0014 SM FWD Flange Accel A, Axial, PSD

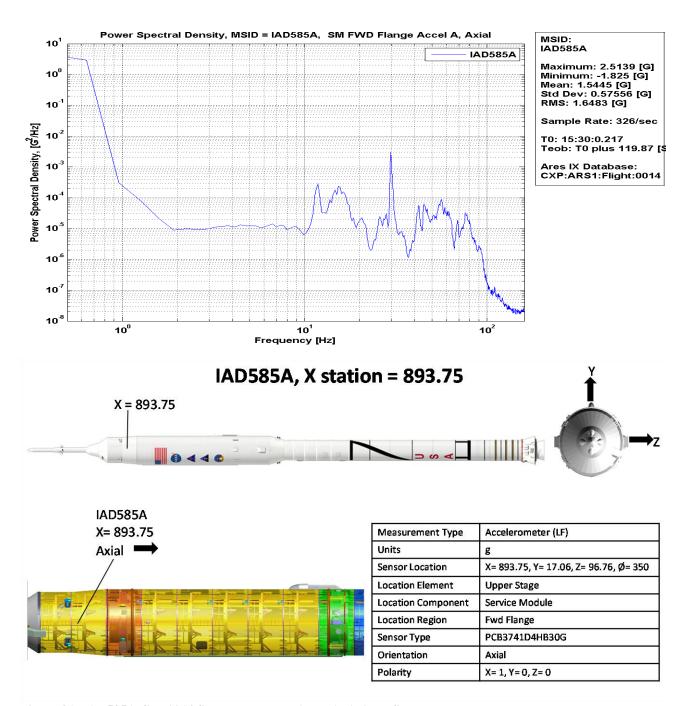


Figure 81: IAD585A CXP0014 SM FWD Flange Accel A, Axial, PSD

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IAD585A CXP0014 SM FWD Flange Accel A, Axial, Time History

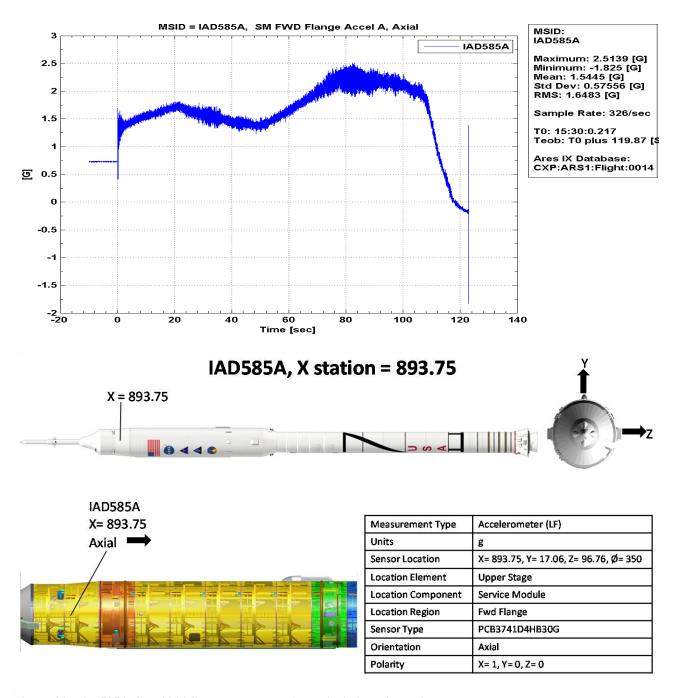


Figure 82: IAD585A CXP0014 SM FWD Flange Accel A, Axial, Time History

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IAD585A SM FWD Flange Accel A, Axial, PSD

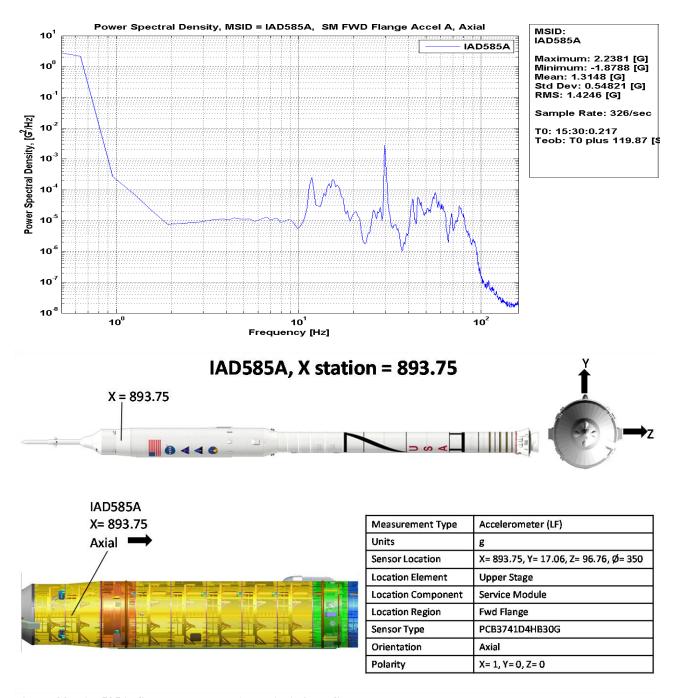


Figure 83: IAD585A SM FWD Flange Accel A, Axial, PSD

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IAD585A SM FWD Flange Accel A, Axial, Time History

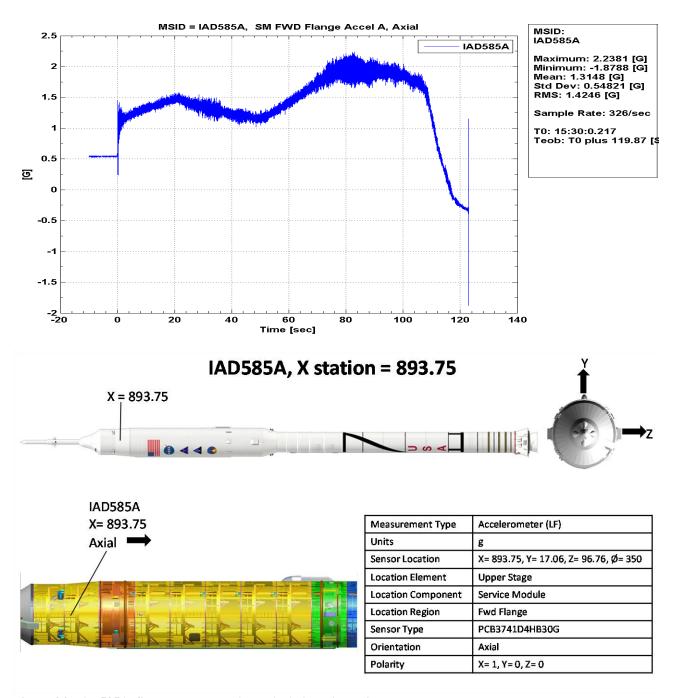


Figure 84: IAD585A SM FWD Flange Accel A, Axial, Time History

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IAD586A CXP0014 SM FWD Flange Accel B, Tangential, PSD

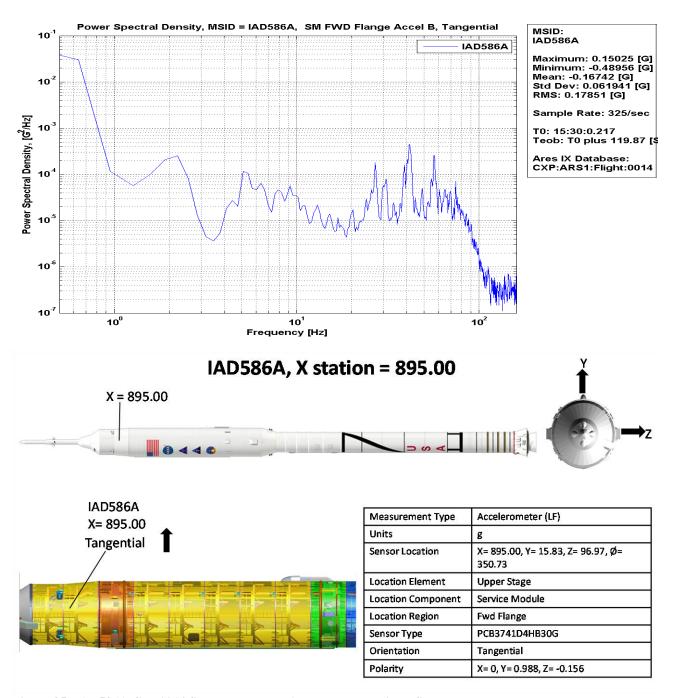


Figure 85: IAD586A CXP0014 SM FWD Flange Accel B, Tangential, PSD

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IAD586A CXP0014 SM FWD Flange Accel B, Tangential, Time History

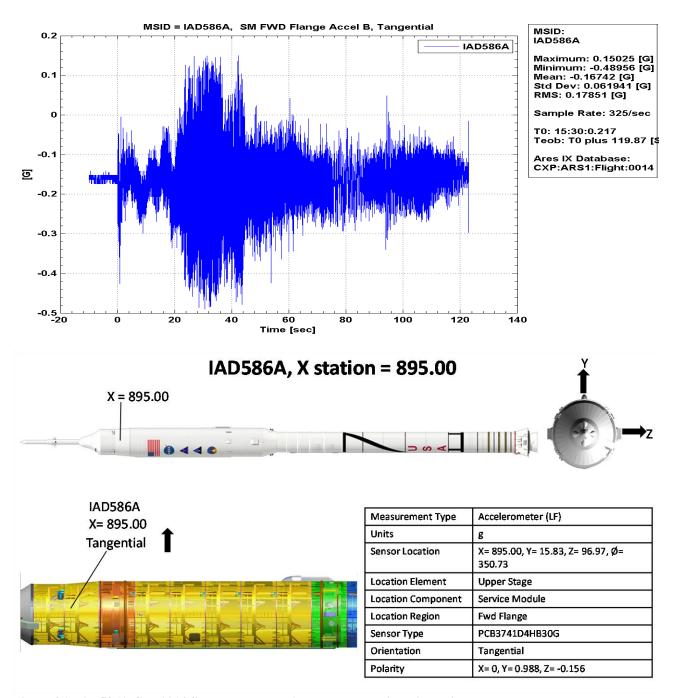


Figure 86: IAD586A CXP0014 SM FWD Flange Accel B, Tangential, Time History

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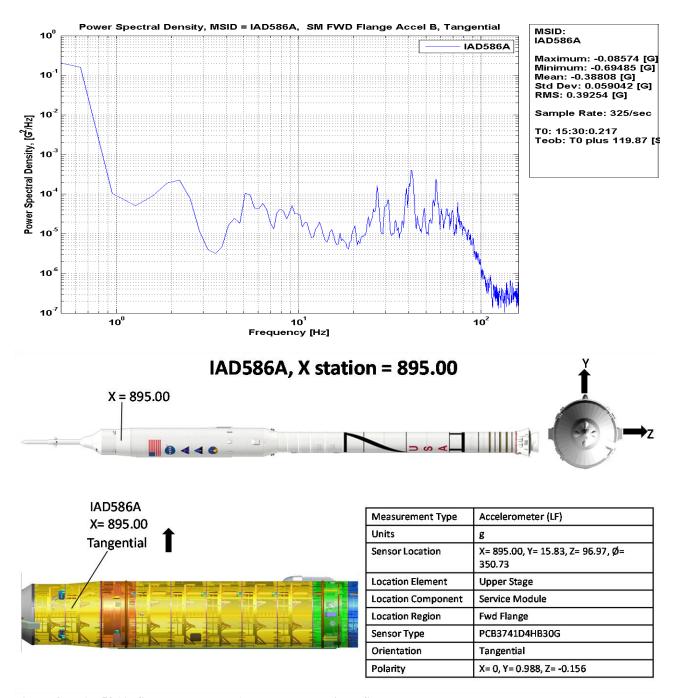


Figure 87: IAD586A SM FWD Flange Accel B, Tangential, PSD

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IAD586A SM FWD Flange Accel B, Tangential, Time History

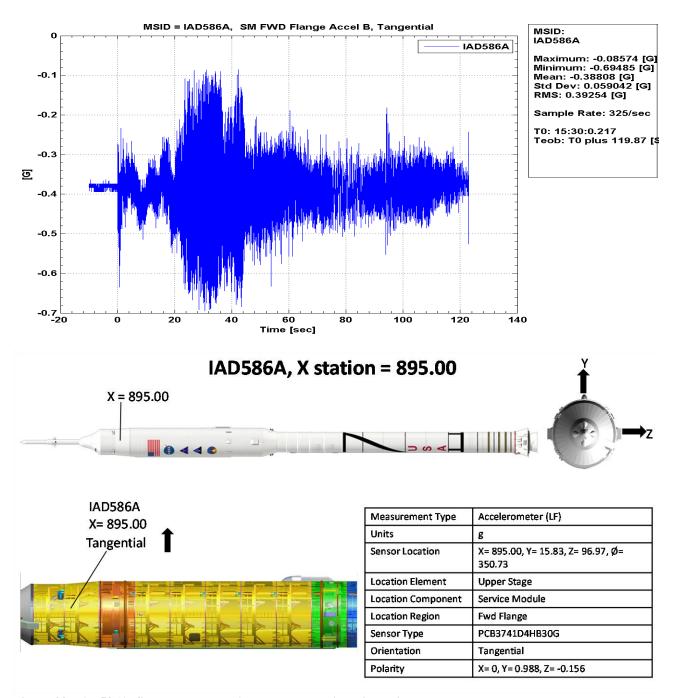


Figure 88: IAD586A SM FWD Flange Accel B, Tangential, Time History

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IAD587A SM FWD Flange Accel C, Axial, PSD

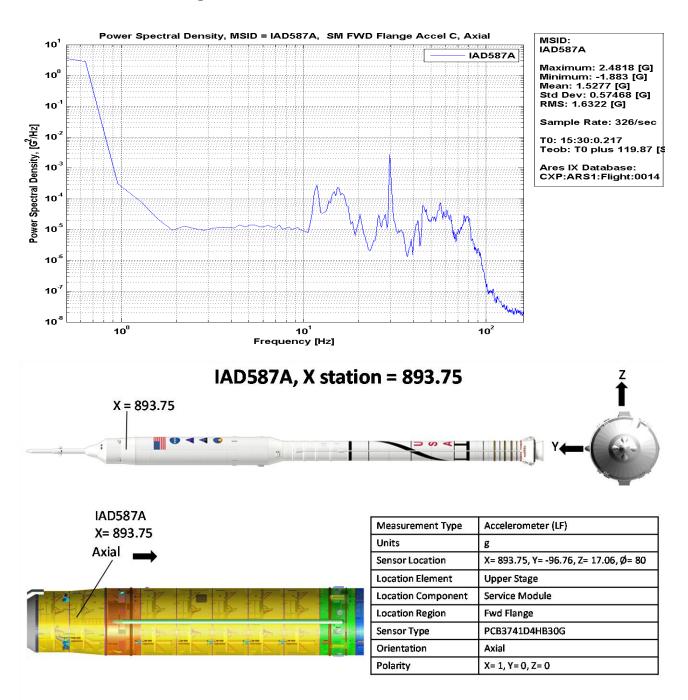


Figure 89: IAD587A SM FWD Flange Accel C, Axial, PSD

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IAD587A SM FWD Flange Accel C, Axial, Time History

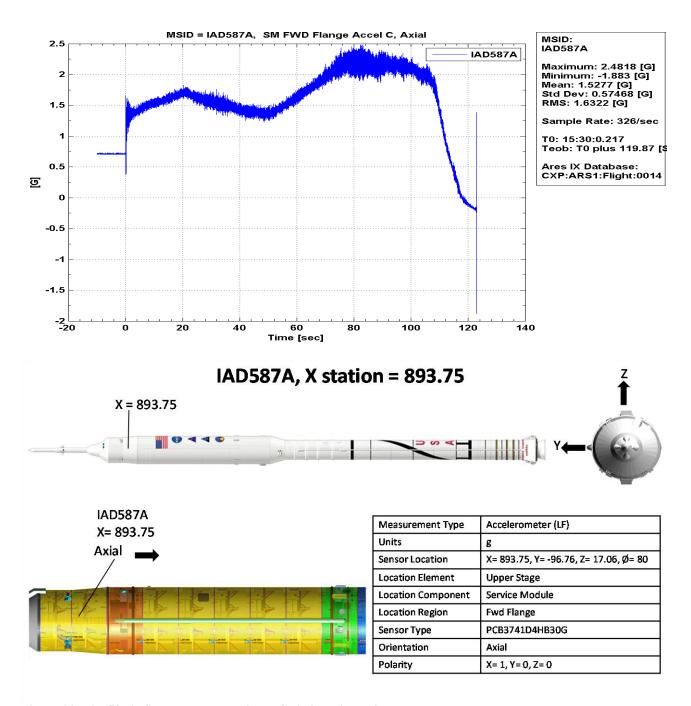


Figure 90: IAD587A SM FWD Flange Accel C, Axial, Time History

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IAD587A SM FWD Flange Accel C, Axial, PSD

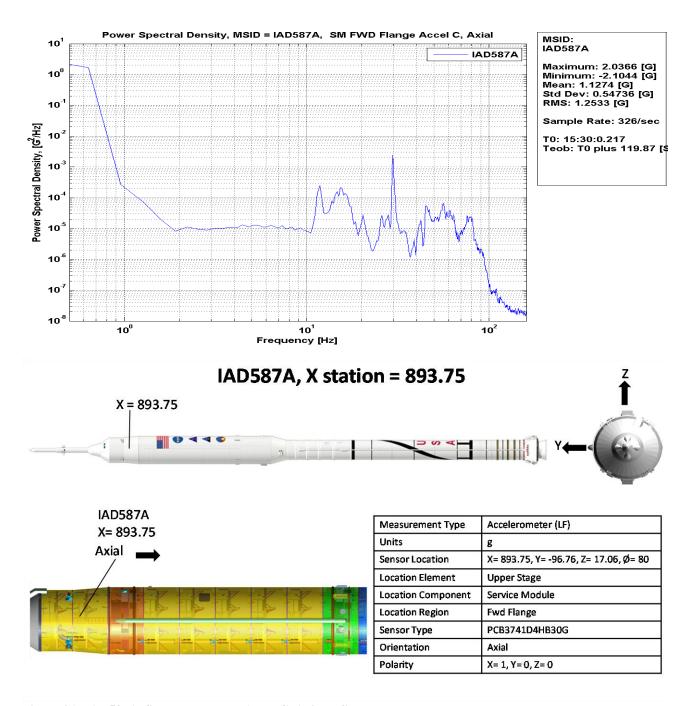


Figure 91: IAD587A SM FWD Flange Accel C, Axial, PSD

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IAD587A SM FWD Flange Accel C, Axial, Time History

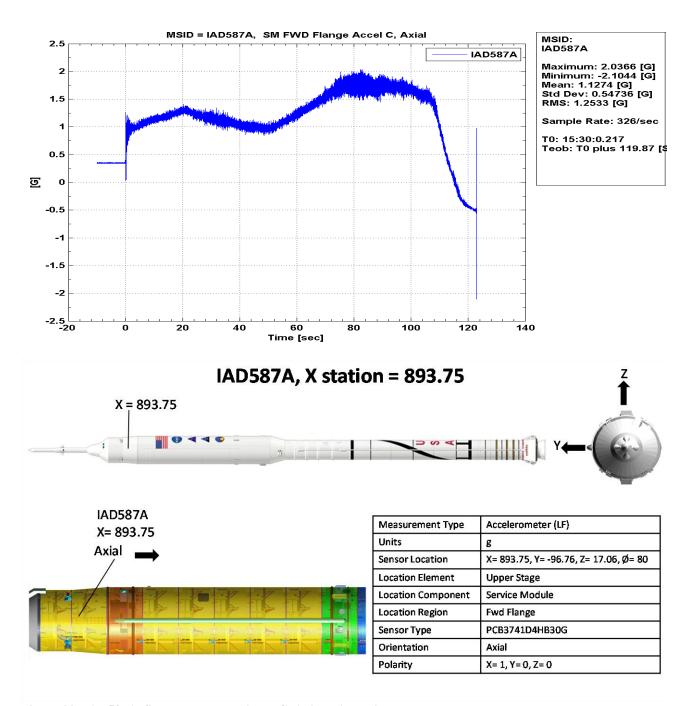


Figure 92: IAD587A SM FWD Flange Accel C, Axial, Time History

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IAD588A CXP0014 SM FWD Flange Accel D, Tangential, PSD

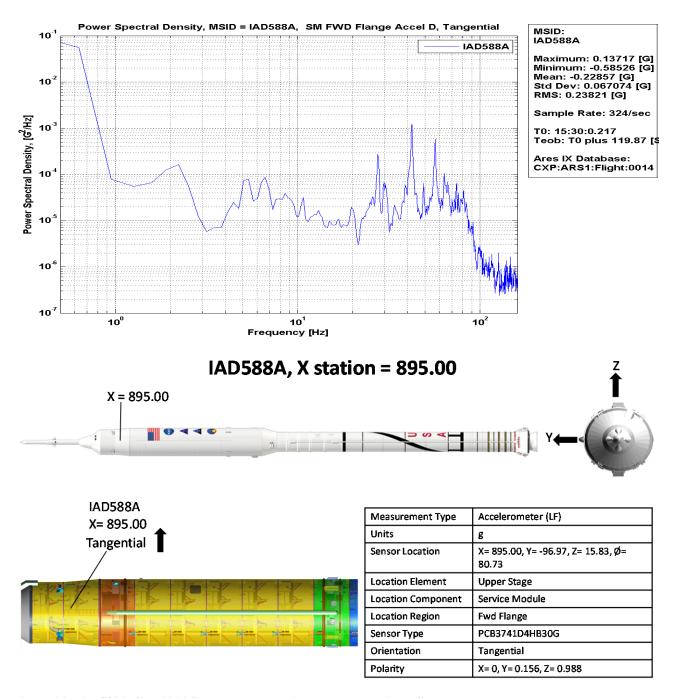


Figure 93: IAD588A CXP0014 SM FWD Flange Accel D, Tangential, PSD

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IAD588A CXP0014 SM FWD Flange Accel D, Tangential, Time History

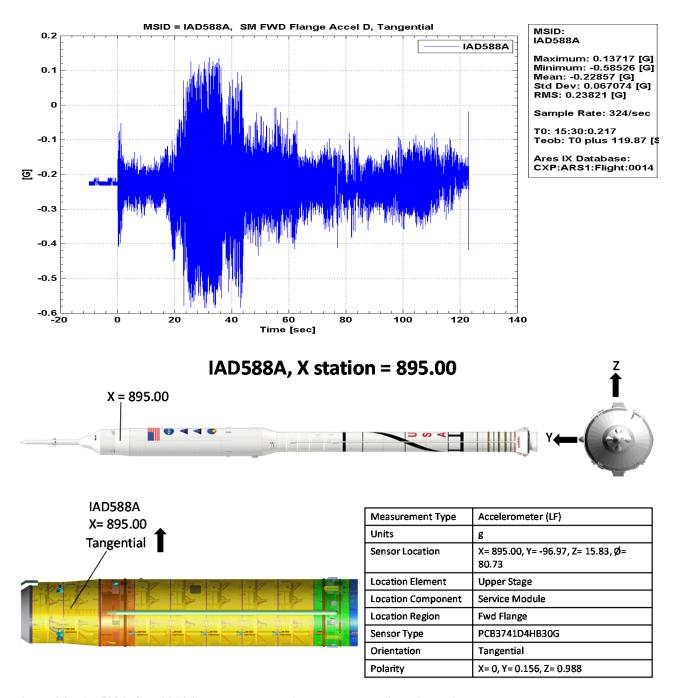


Figure 94: IAD588A CXP0014 SM FWD Flange Accel D, Tangential, Time History

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IAD588A SM FWD Flange Accel D, Tangential, PSD

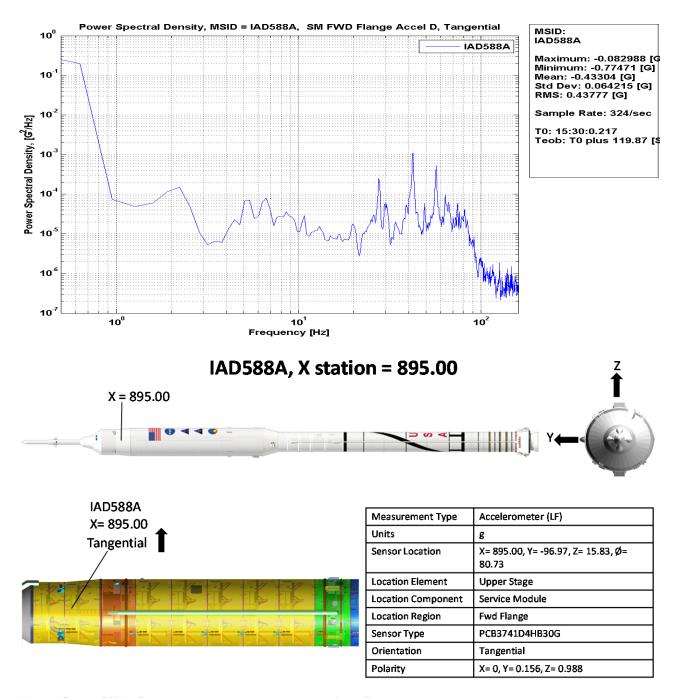


Figure 95: IAD588A SM FWD Flange Accel D, Tangential, PSD

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IAD588A SM FWD Flange Accel D, Tangential, Time History

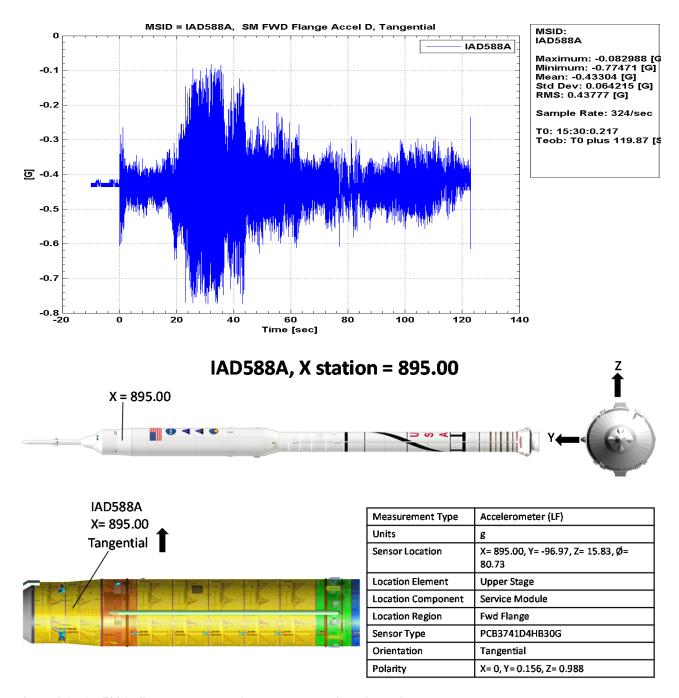


Figure 96: IAD588A SM FWD Flange Accel D, Tangential, Time History

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IAD589A SM FWD Flange Accel E, Axial, PSD

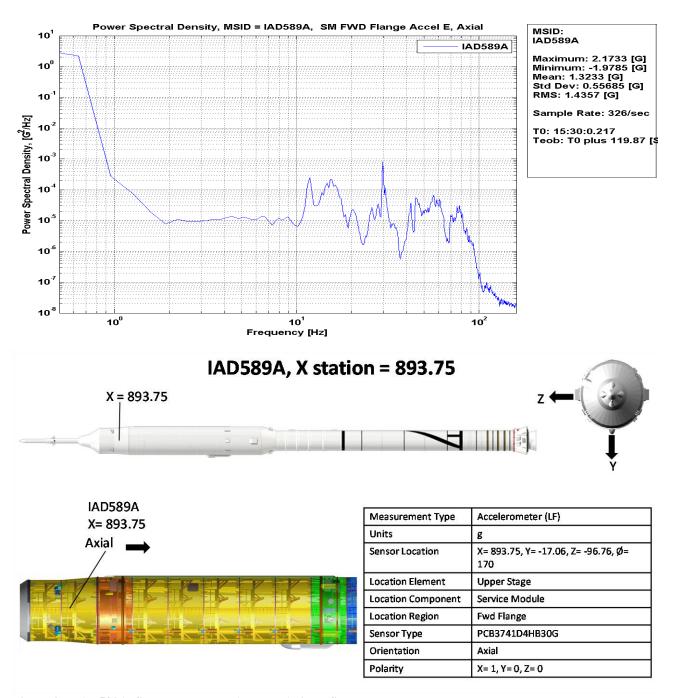


Figure 97: IAD589A SM FWD Flange Accel E, Axial, PSD

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IAD589A SM FWD Flange Accel E, Axial, Time History

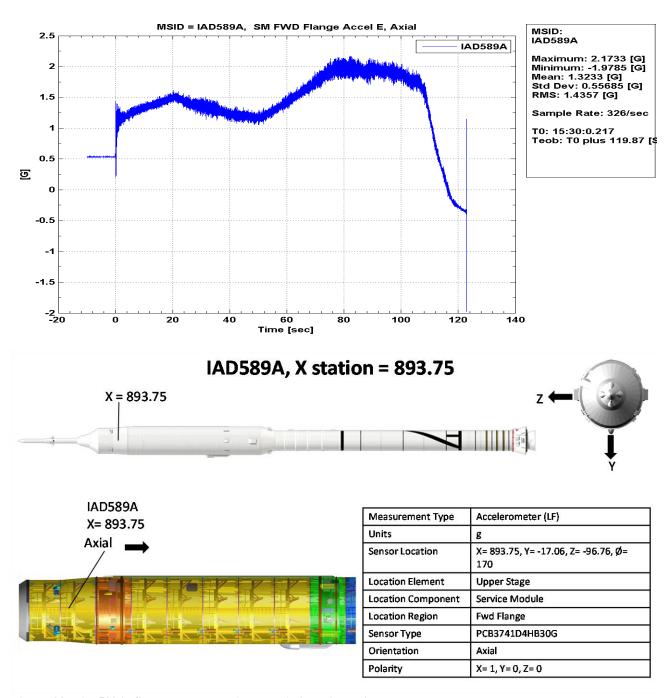


Figure 98: IAD589A SM FWD Flange Accel E, Axial, Time History

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IAD590A Accel, SA FWD, Tangential, PSD

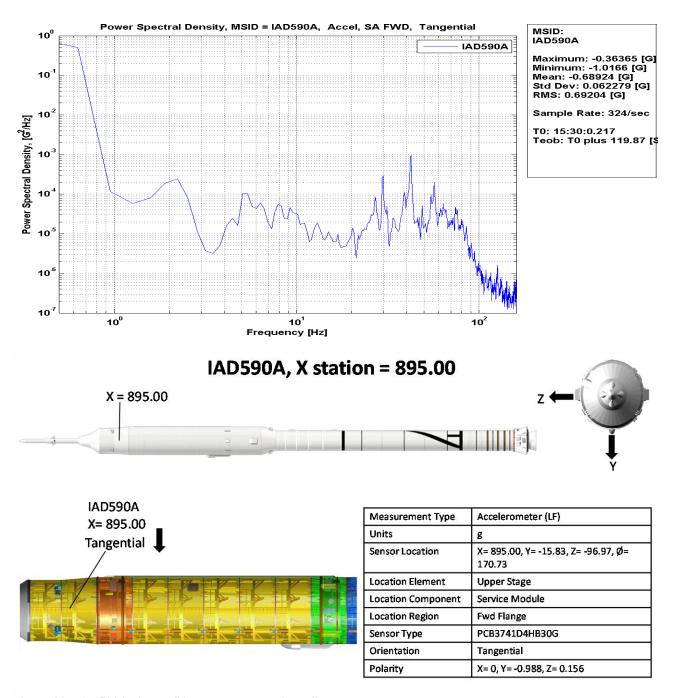


Figure 99: IAD590A Accel, SA FWD, Tangential, PSD

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IAD590A Accel, SA FWD, Tangential, Time History

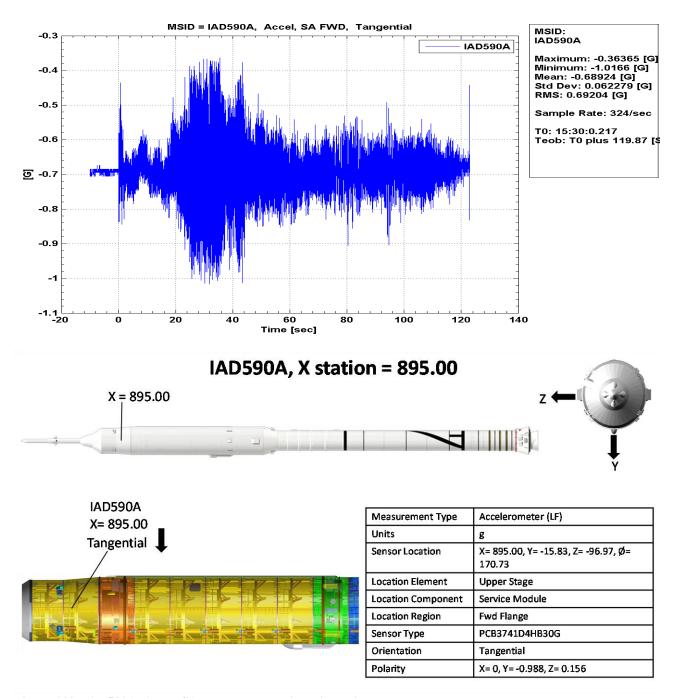


Figure 100: IAD590A Accel, SA FWD, Tangential, Time History

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IAD591A SM FWD Flande Accel F, Axial, PSD

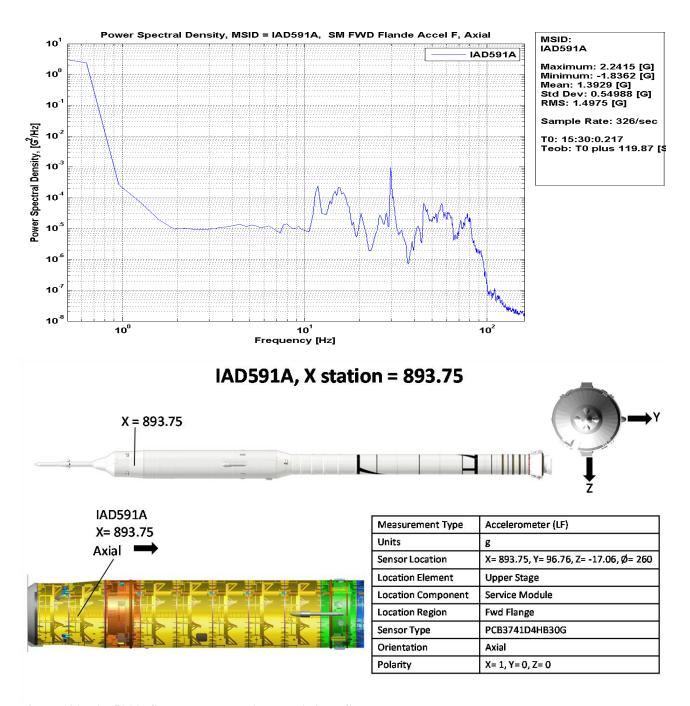


Figure 101: IAD591A SM FWD Flande Accel F, Axial, PSD

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IAD591A SM FWD Flande Accel F, Axial, Time History

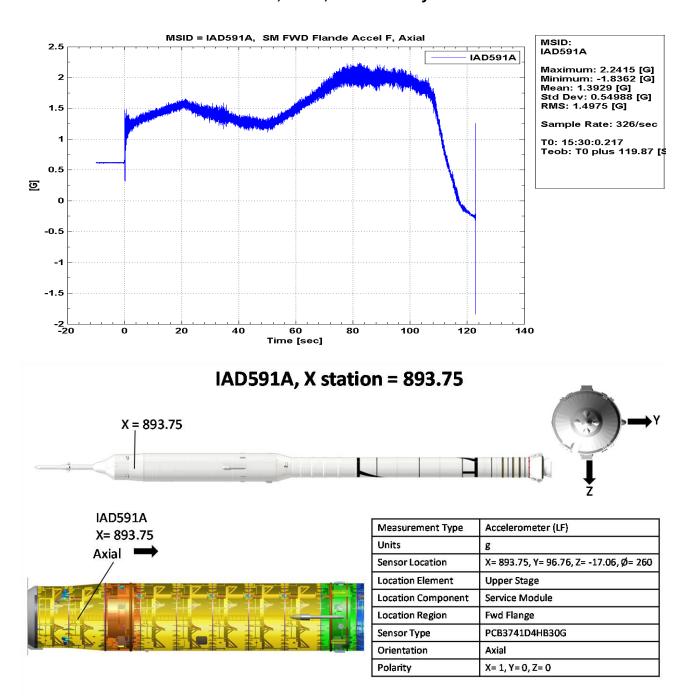


Figure 102: IAD591A SM FWD Flande Accel F, Axial, Time History

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IAD592A SM FWD Flande Accel G, Tangential, PSD

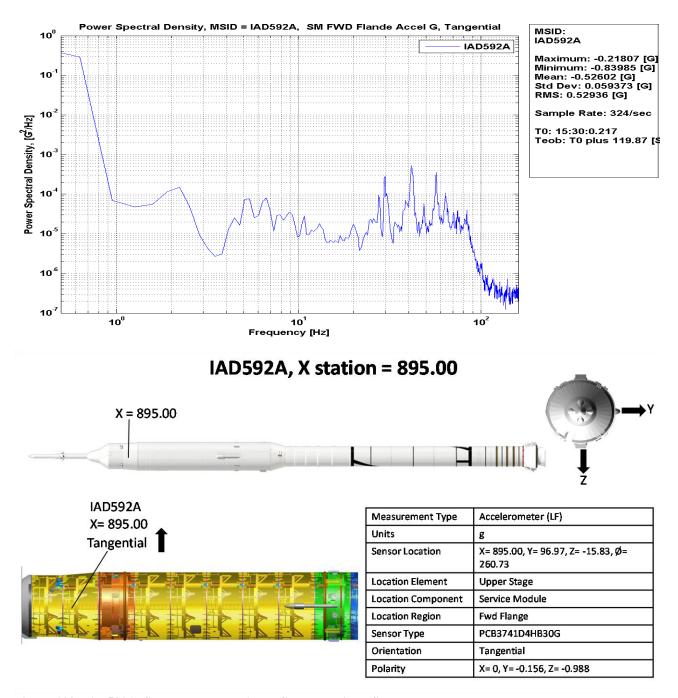


Figure 103: IAD592A SM FWD Flande Accel G, Tangential, PSD

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IAD592A SM FWD Flande Accel G, Tangential, Time History

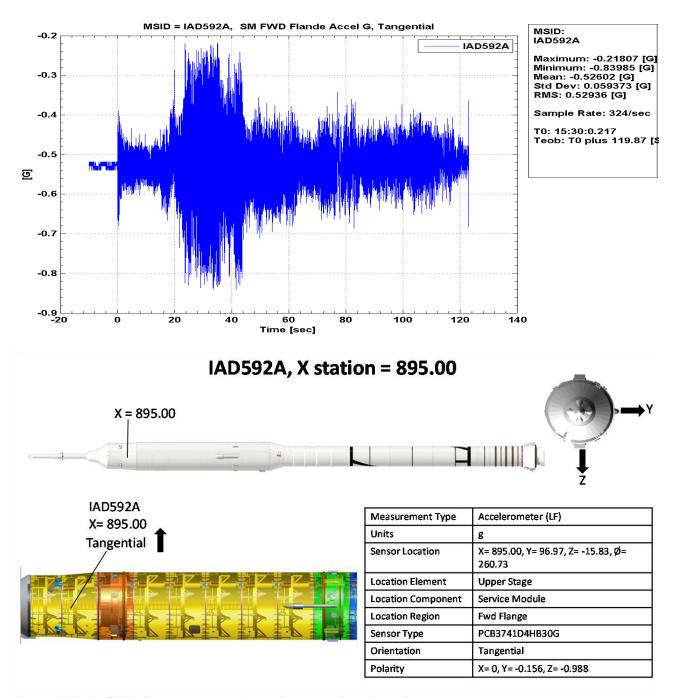


Figure 104: IAD592A SM FWD Flande Accel G, Tangential, Time History

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IAD596A Accel, US1 Base of J-2 A, Axial, PSD

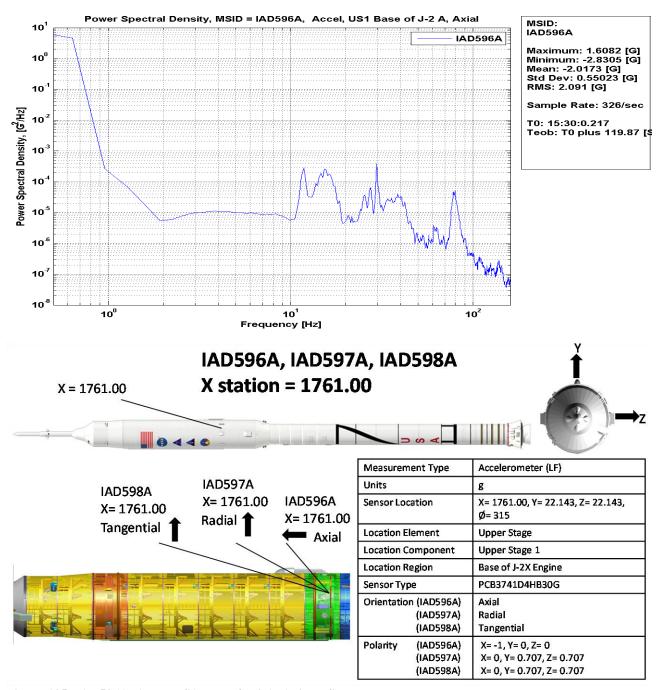


Figure 105: IAD596A Accel, US1 Base of J-2 A, Axial, PSD

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IAD596A Accel, US1 Base of J-2 A, Axial, Time History

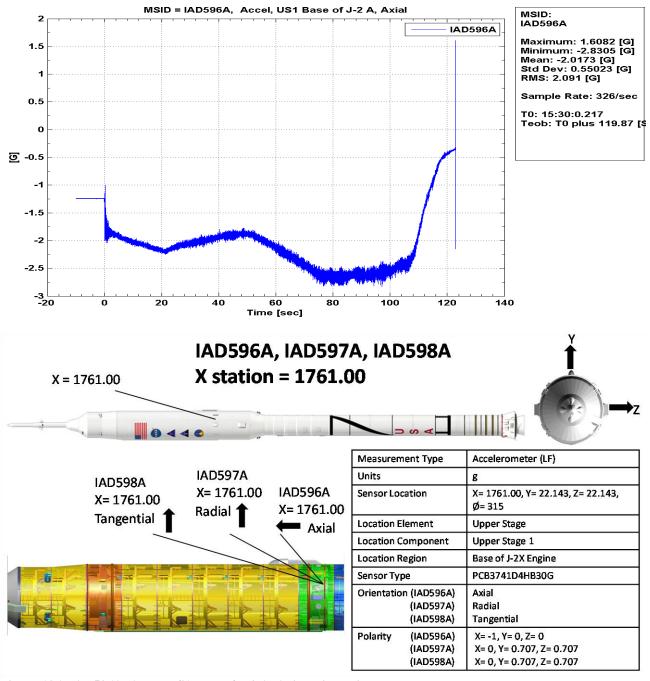


Figure 106: IAD596A Accel, US1 Base of J-2 A, Axial, Time History

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IAD597A Accel, US1 Base of J-2 A, Radial, PSD

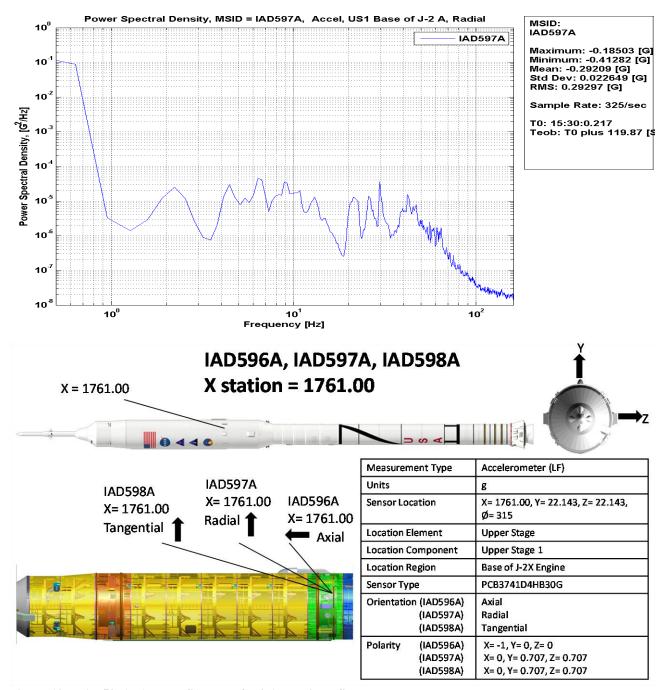


Figure 107: IAD597A Accel, US1 Base of J-2 A, Radial, PSD

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IAD597A Accel, US1 Base of J-2 A, Radial, Time History

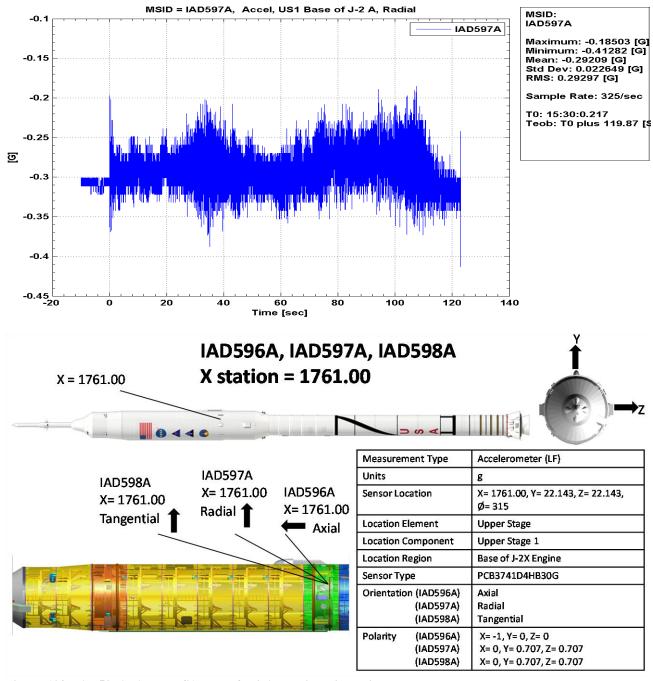


Figure 108: IAD597A Accel, US1 Base of J-2 A, Radial, Time History

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IAD598A Accel, US1 Base of J-2 C, Tangential, PSD

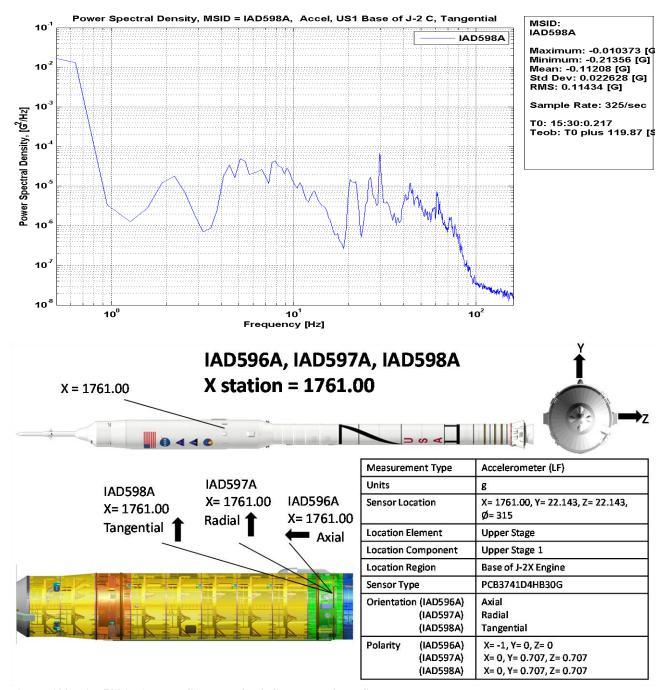


Figure 109: IAD598A Accel, US1 Base of J-2 C, Tangential, PSD

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IAD598A Accel, US1 Base of J-2 C, Tangential, Time History

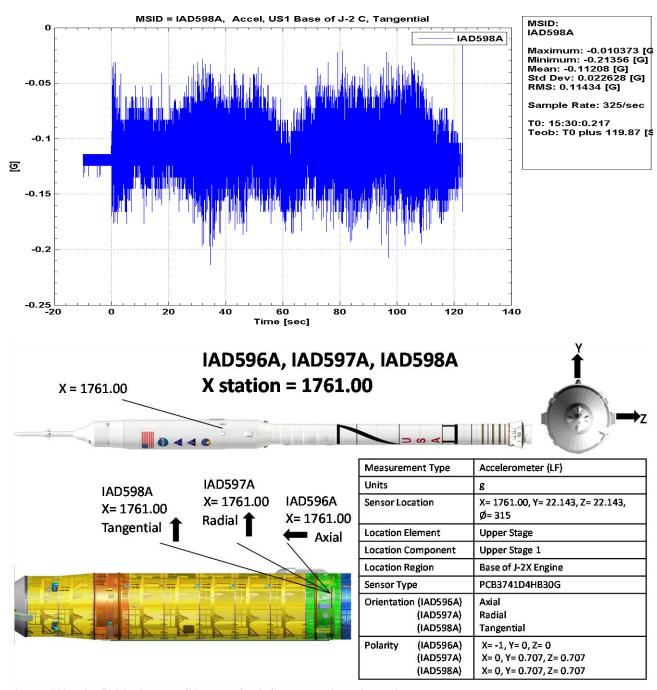


Figure 110: IAD598A Accel, US1 Base of J-2 C, Tangential, Time History

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IAD599A Accel, SM MID-BODY A, Axial, PSD

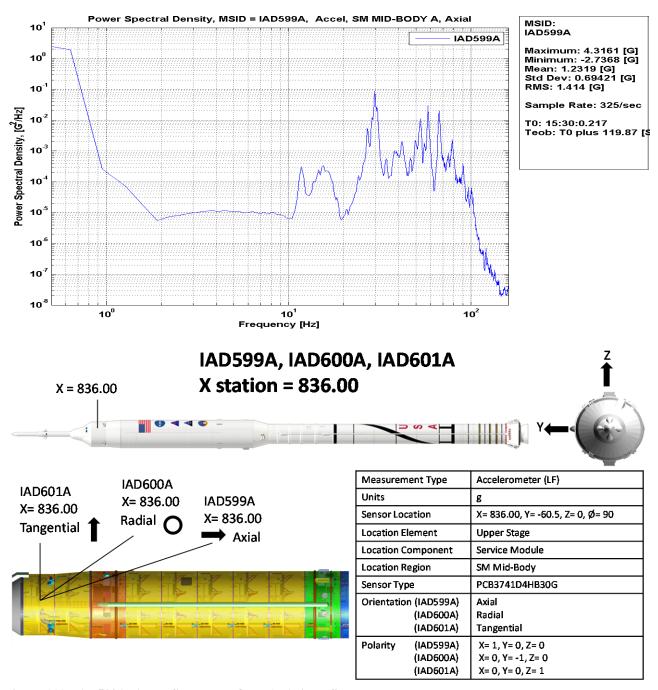


Figure 111: IAD599A Accel, SM MID-BODY A, Axial, PSD

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IAD599A Accel, SM MID-BODY A, Axial, Time History

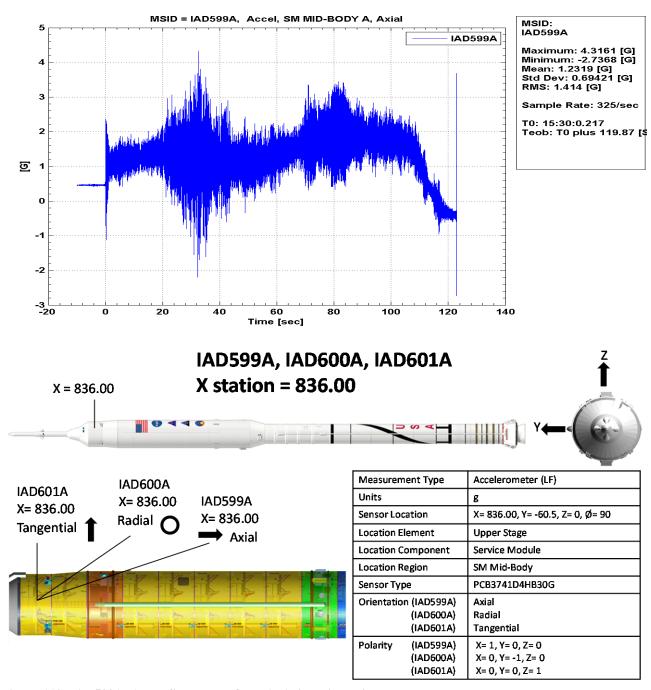


Figure 112: IAD599A Accel, SM MID-BODY A, Axial, Time History

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IAD600A Accel, SM MID-BODY B, Radial, PSD

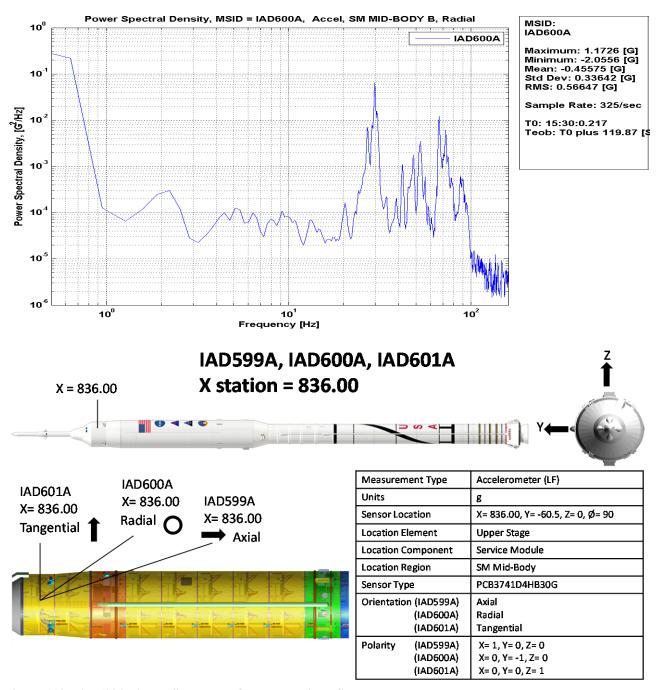


Figure 113: IAD600A Accel, SM MID-BODY B, Radial, PSD

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IAD600A Accel, SM MID-BODY B, Radial, Time History

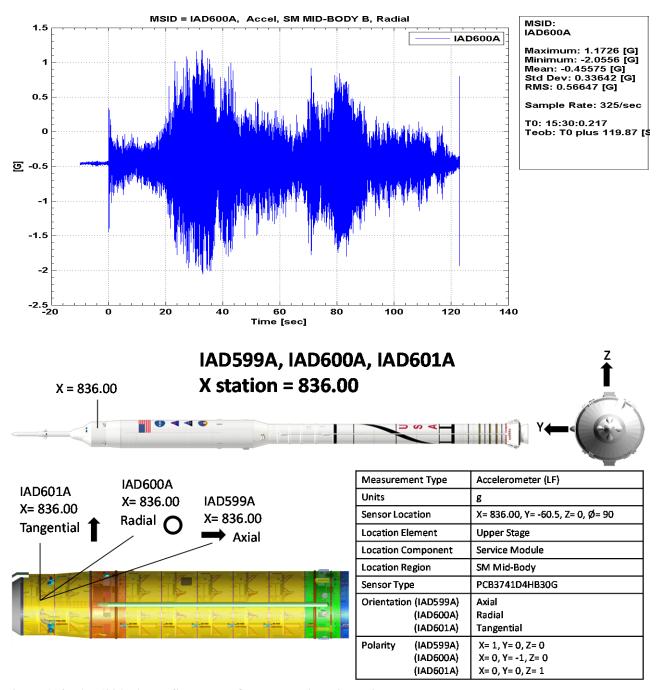


Figure 114: IAD600A Accel, SM MID-BODY B, Radial, Time History

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IAD601A Accel, SM MID-BODY C, Tangential, PSD

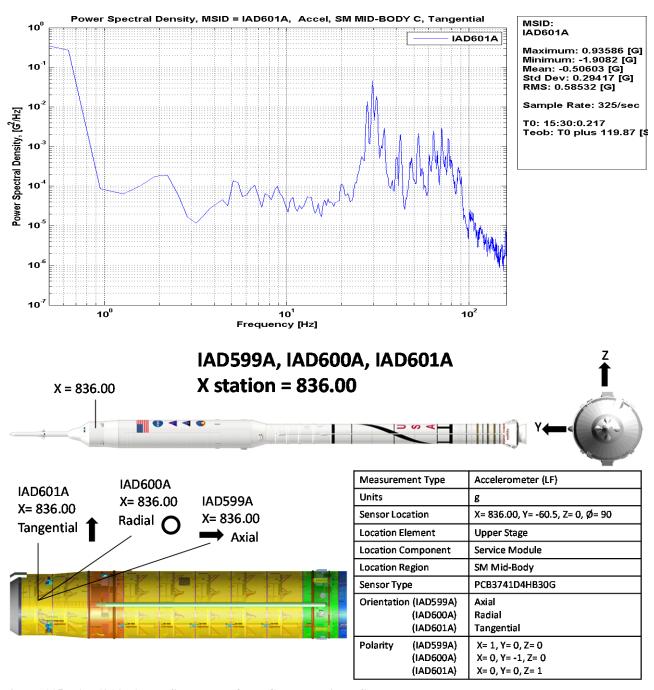


Figure 115: IAD601A Accel, SM MID-BODY C, Tangential, PSD

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IAD601A Accel, SM MID-BODY C, Tangential, Time History

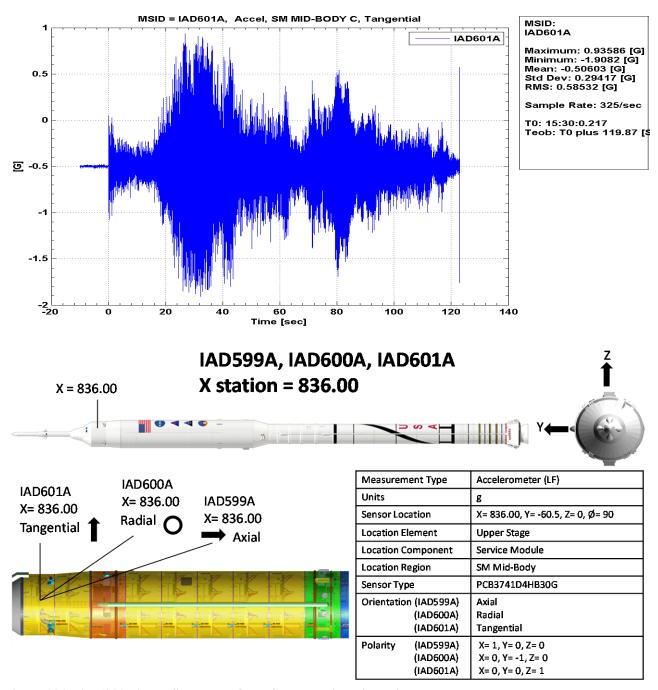


Figure 116: IAD601A Accel, SM MID-BODY C, Tangential, Time History

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IAD602A Accel, SM Solar Array A, Axial, PSD

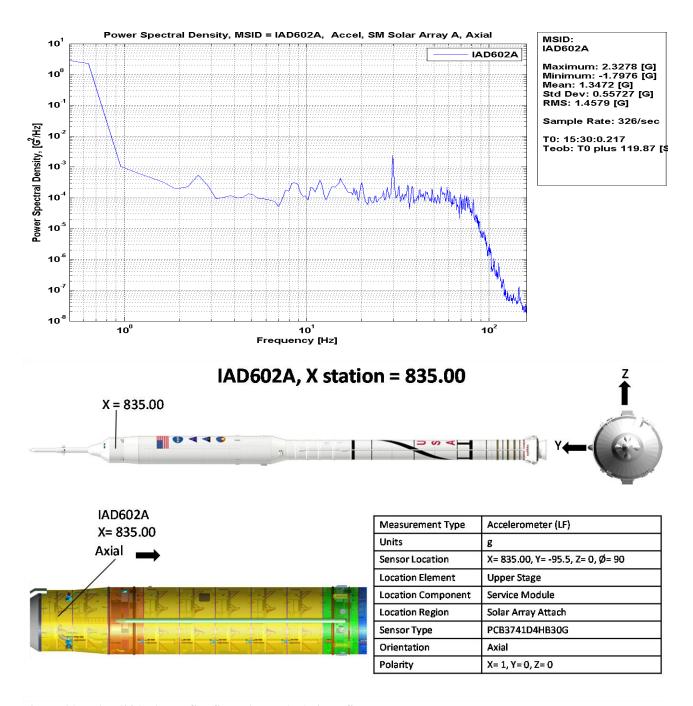


Figure 117: IAD602A Accel, SM Solar Array A, Axial, PSD

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IAD602A Accel, SM Solar Array A, Axial, Time History

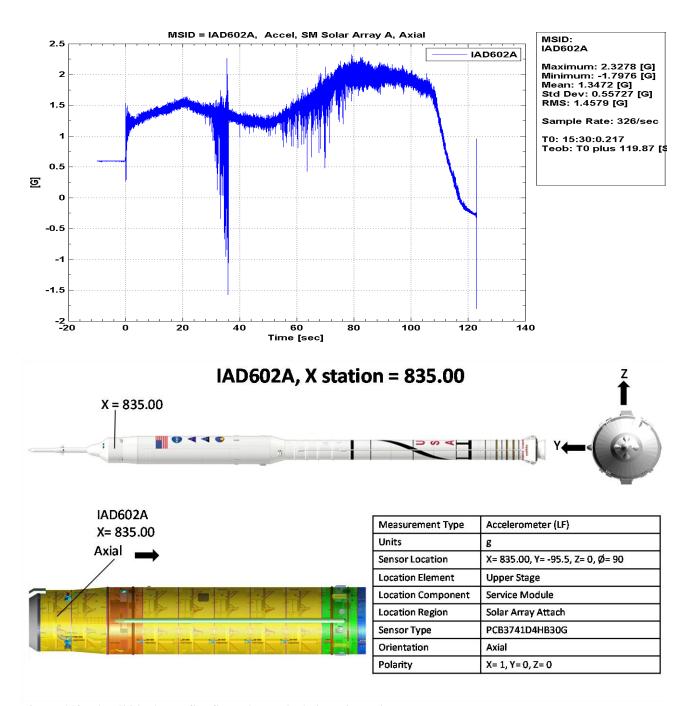


Figure 118: IAD602A Accel, SM Solar Array A, Axial, Time History

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IAD603A Accel, SM Solar Array B, Axial, PSD

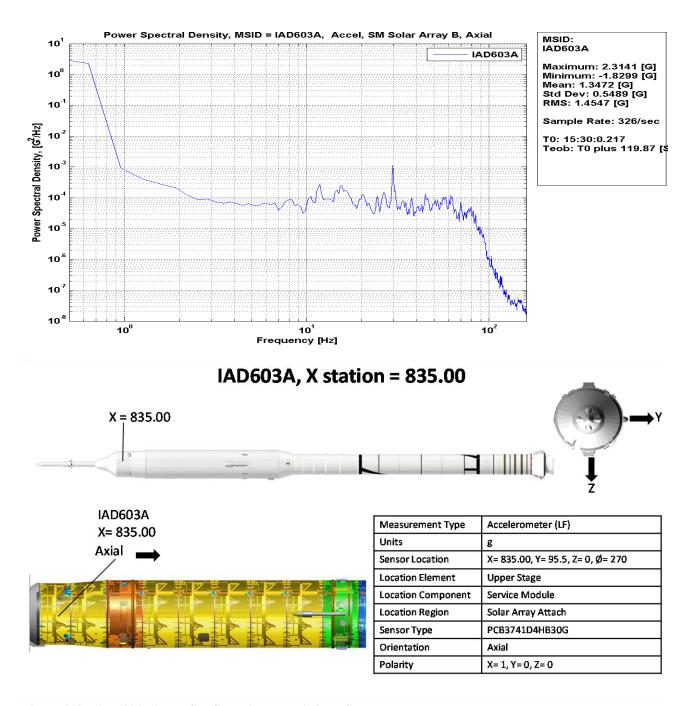


Figure 119: IAD603A Accel, SM Solar Array B, Axial, PSD

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IAD603A Accel, SM Solar Array B, Axial, Time History

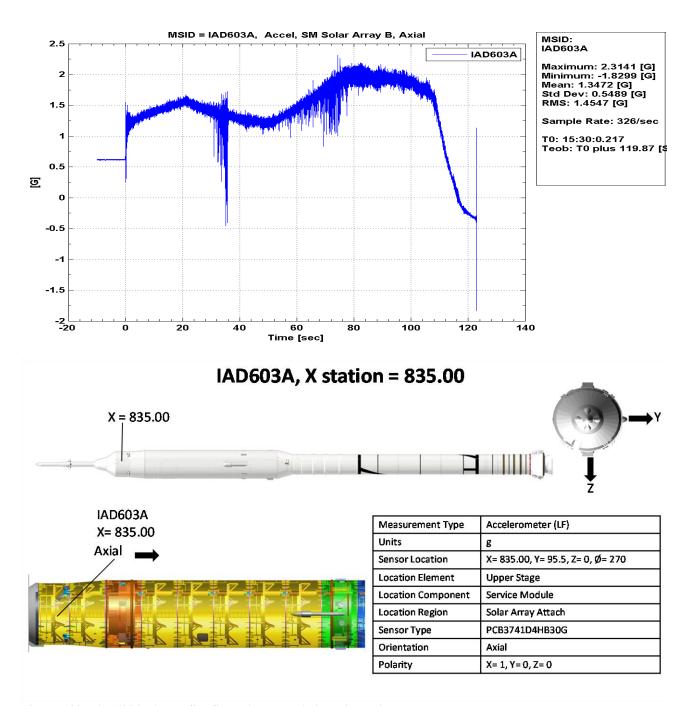


Figure 120: IAD603A Accel, SM Solar Array B, Axial, Time History

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IAD604A Accel, US7 Skin A, Axial, PSD

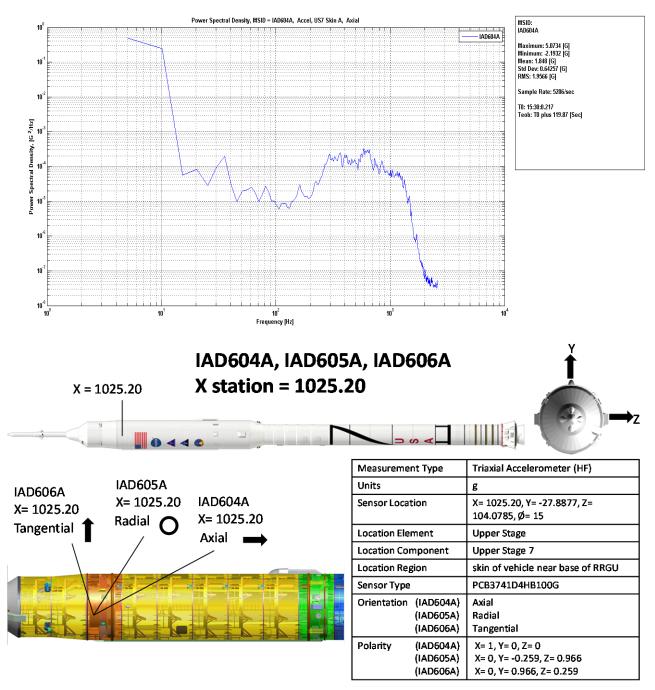


Figure 121: IAD604A Accel, US7 Skin A, Axial, PSD

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IAD604A Accel, US7 Skin A, Axial, Time History

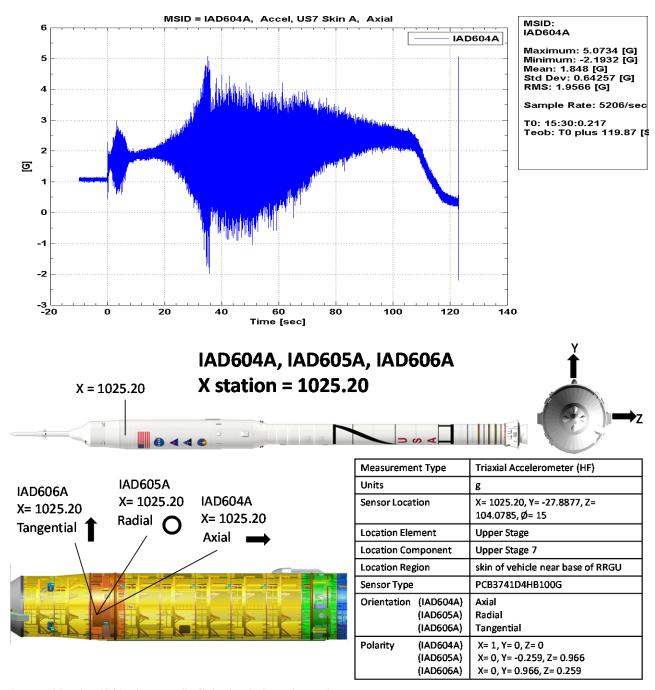


Figure 122: IAD604A Accel, US7 Skin A, Axial, Time History

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IAD605A Accel, US7 Skin B, Radial, PSD

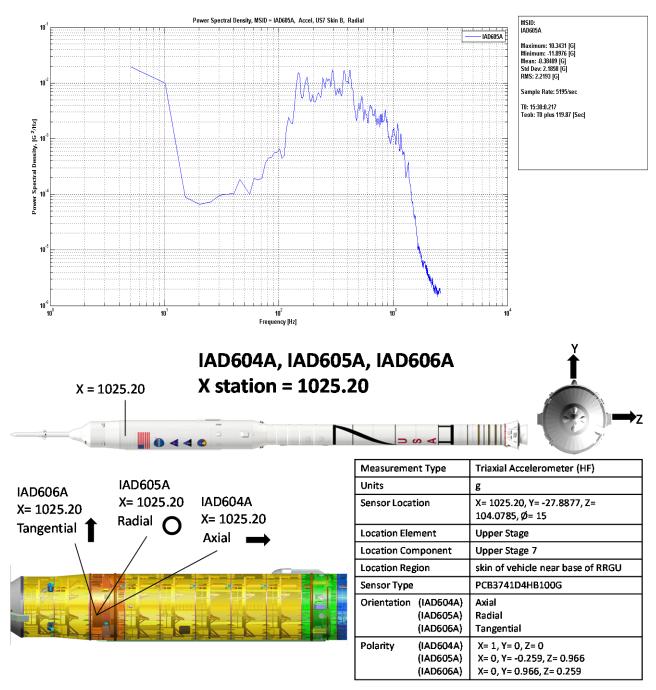


Figure 123: IAD605A Accel, US7 Skin B, Radial, PSD

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IAD605A Accel, US7 Skin B, Radial, Time History

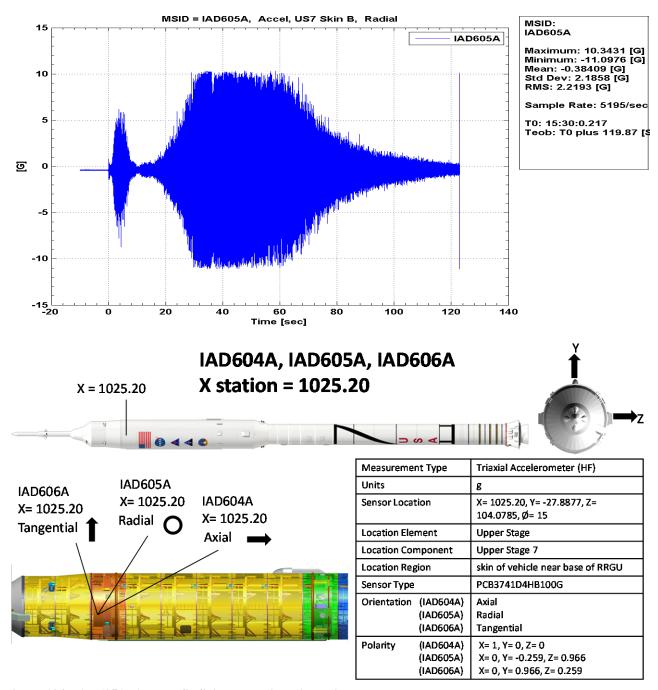


Figure 124: IAD605A Accel, US7 Skin B, Radial, Time History

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IAD606A Accel, US7 Skin C, Tangential, PSD

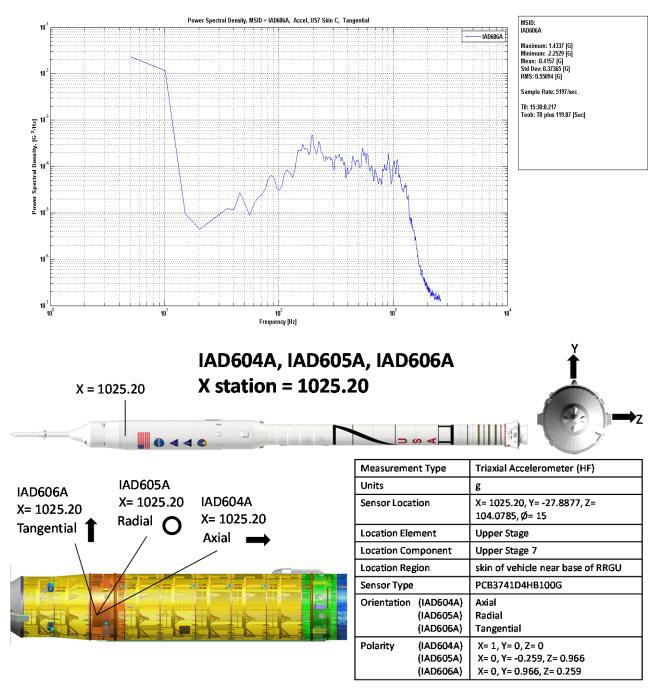


Figure 125: IAD606A Accel, US7 Skin C, Tangential, PSD

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IAD606A Accel, US7 Skin C, Tangential, Time History

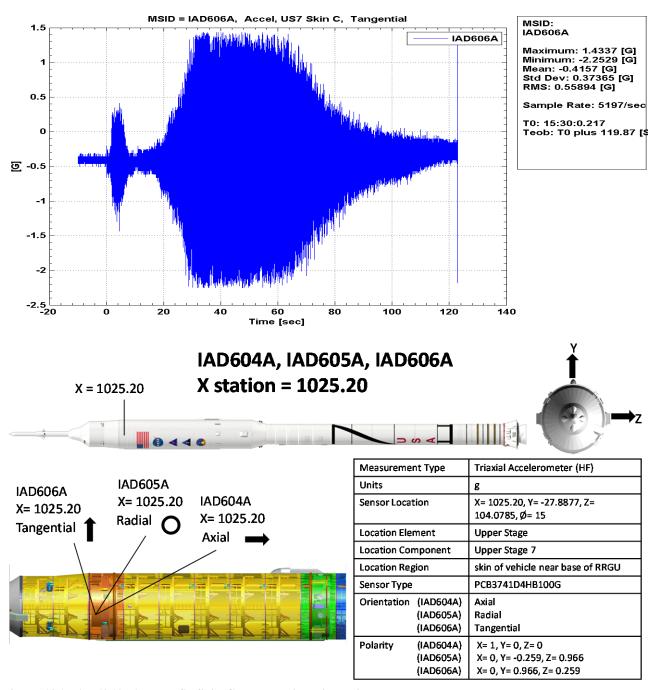


Figure 126: IAD606A Accel, US7 Skin C, Tangential, Time History

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IAD607A Accel, SM Internal A, Radial, PSD

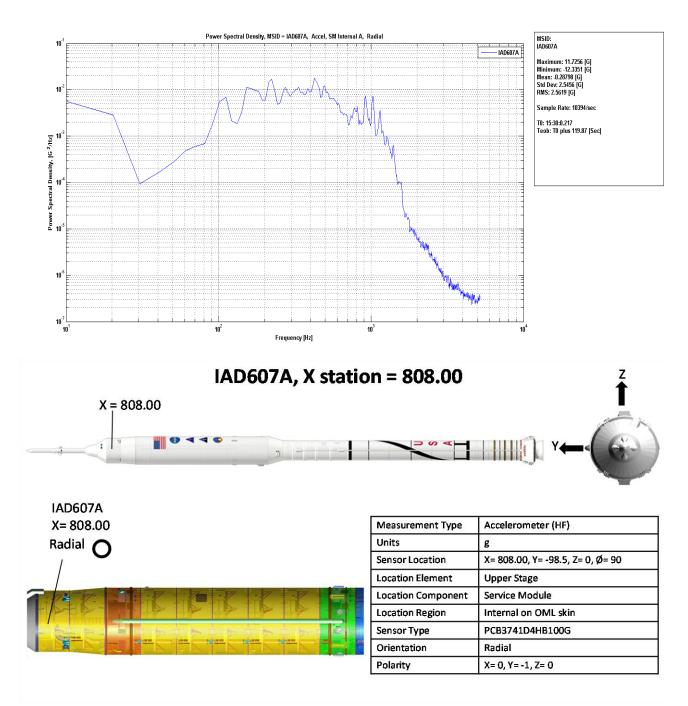


Figure 127: IAD607A Accel, SM Internal A, Radial, PSD

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IAD607A Accel, SM Internal A, Radial, Time History

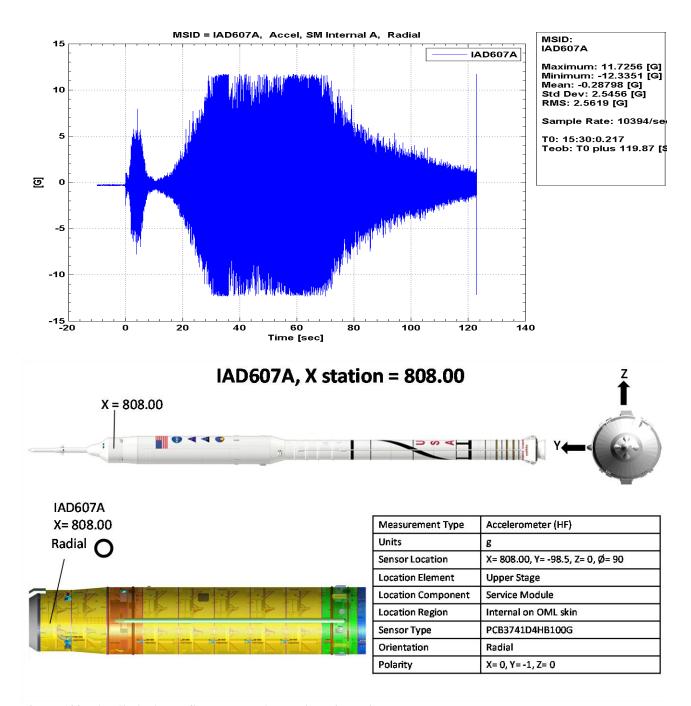


Figure 128: IAD607A Accel, SM Internal A, Radial, Time History

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IAD608A Accel, SM Internal B, Radial, PSD

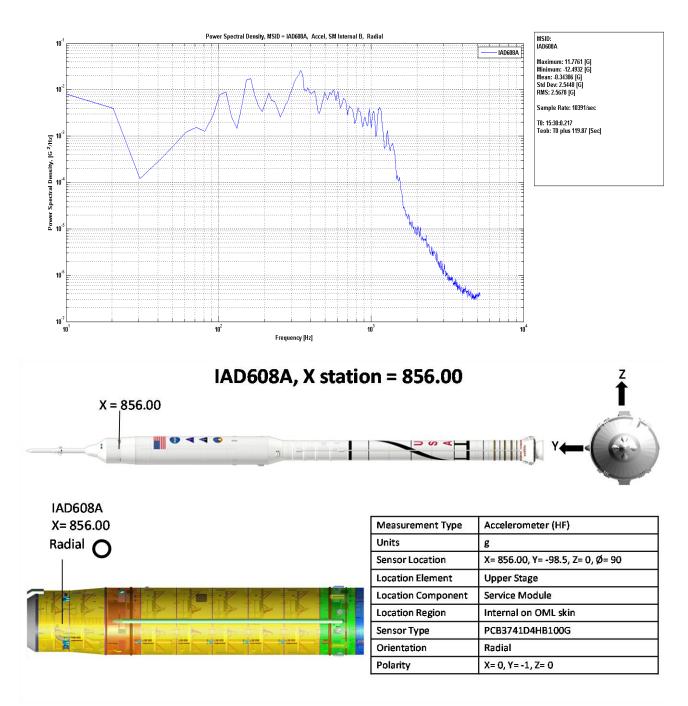


Figure 129: IAD608A Accel, SM Internal B, Radial, PSD

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IAD608A Accel, SM Internal B, Radial, Time History

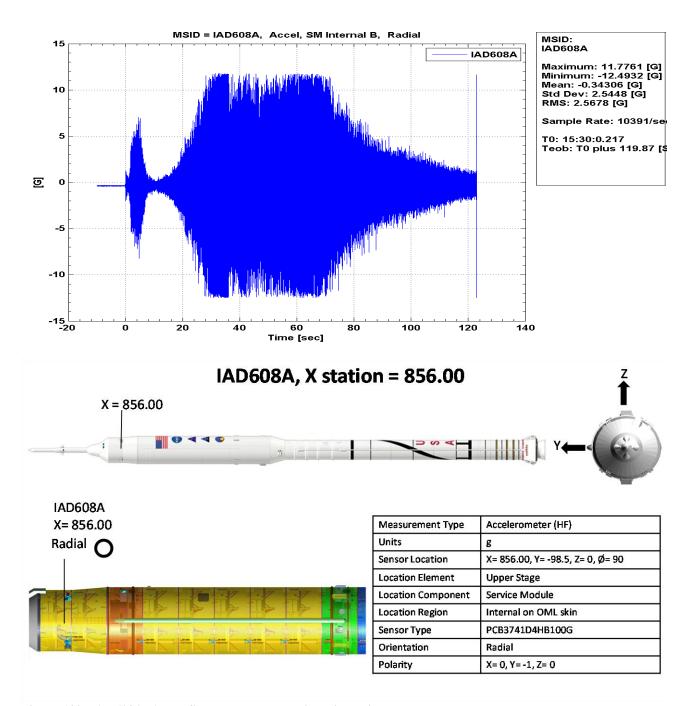


Figure 130: IAD608A Accel, SM Internal B, Radial, Time History

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IAD609A Accel, SM Internal C, Radial, PSD

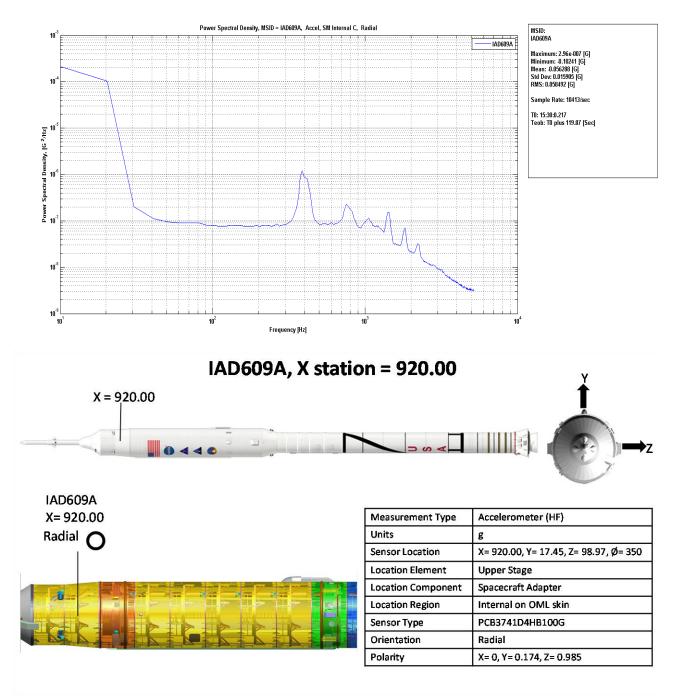


Figure 131: IAD609A Accel, SM Internal C, Radial, PSD

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IAD609A Accel, SM Internal C, Radial, Time History

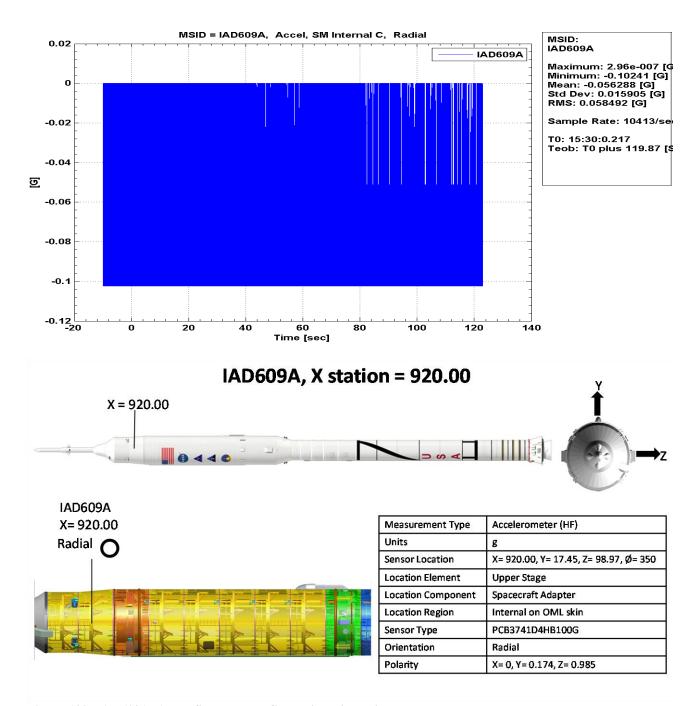


Figure 132: IAD609A Accel, SM Internal C, Radial, Time History

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ACCELEROMETERS: FIRST STAGE

AAD009A Nozzle Joint Accel Axial 0 Deg, PSD

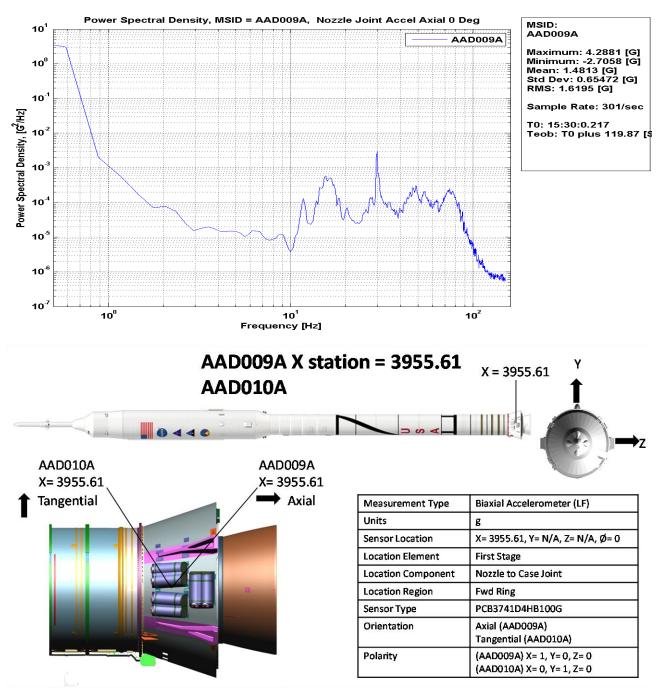


Figure 133: AAD009A Nozzle Joint Accel Axial 0 Deg, PSD

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AAD009A Nozzle Joint Accel Axial 0 Deg, Time History

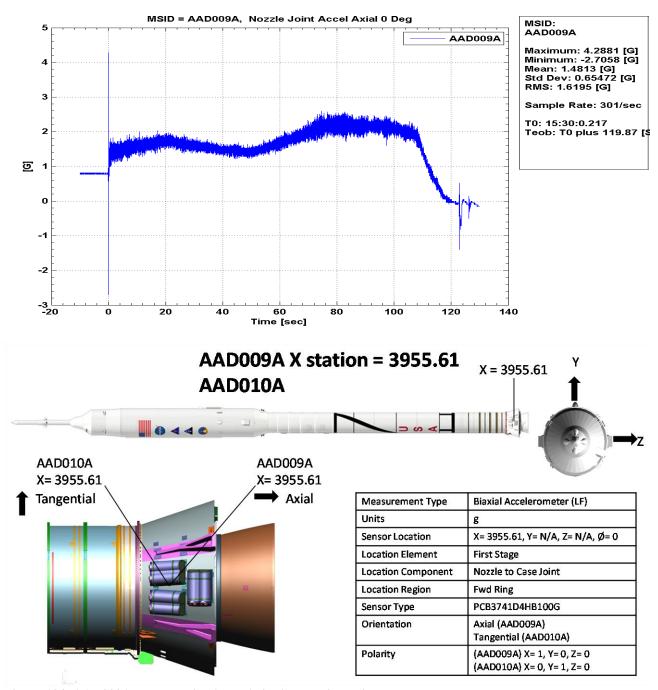


Figure 134: AAD009A Nozzle Joint Accel Axial 0 Deg, Time History

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AAD010A Nozzle Joint Accel Tangential 0 Deg, PSD

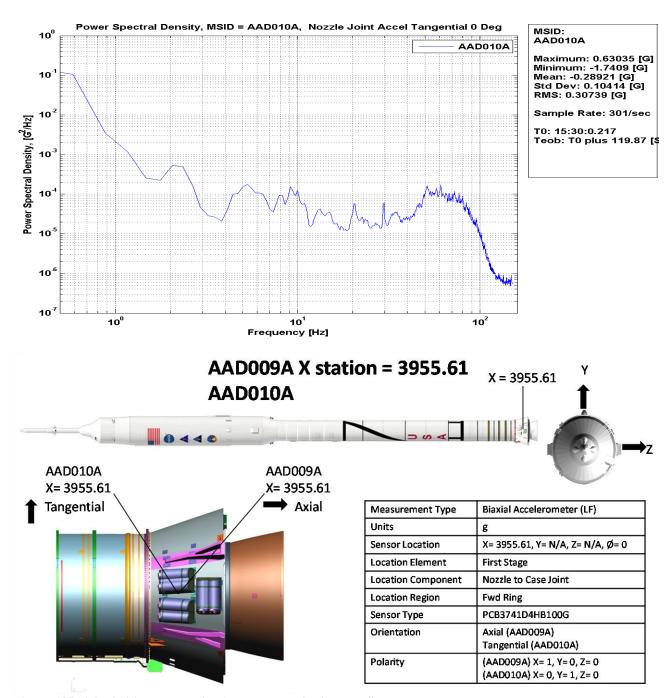


Figure 135: AAD010A Nozzle Joint Accel Tangential 0 Deg, PSD

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AAD010A Nozzle Joint Accel Tangential 0 Deg, Time History

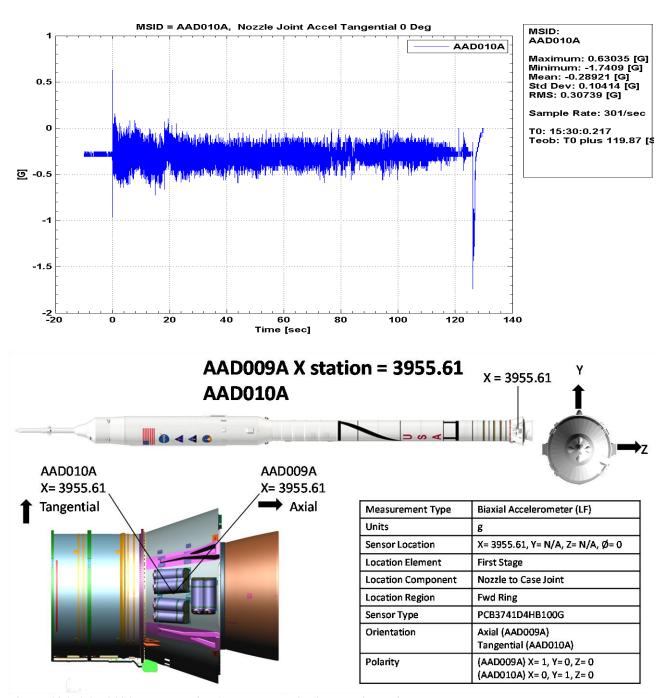


Figure 136: AAD010A Nozzle Joint Accel Tangential 0 Deg, Time History

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AAD011A Nozzle Joint Accel Axial 90 Deg, PSD

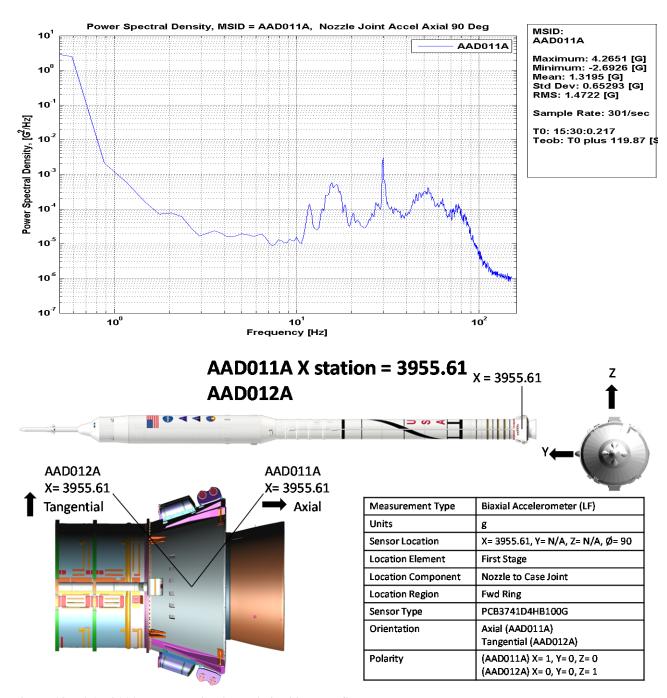


Figure 137: AAD011A Nozzle Joint Accel Axial 90 Deg, PSD

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AAD011A Nozzle Joint Accel Axial 90 Deg, Time History

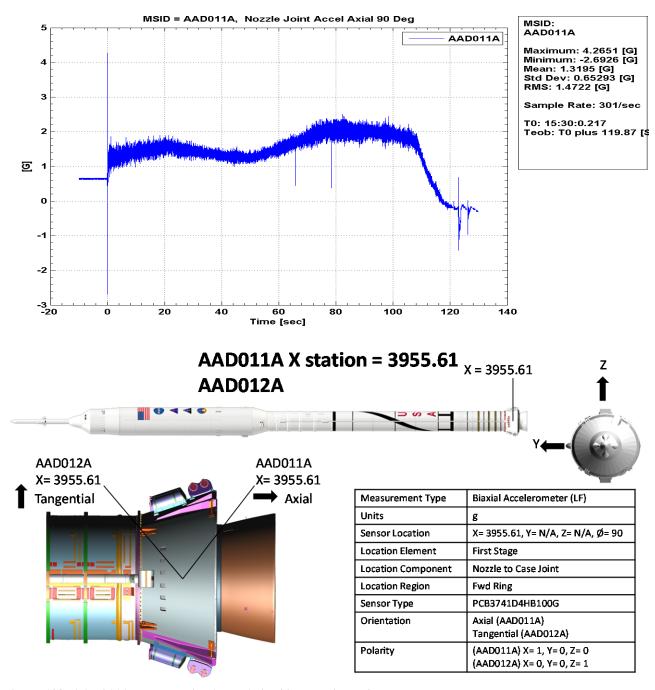


Figure 138: AAD011A Nozzle Joint Accel Axial 90 Deg, Time History

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AAD012A Nozzle Joint Accel Tangential 90 Deg, PSD

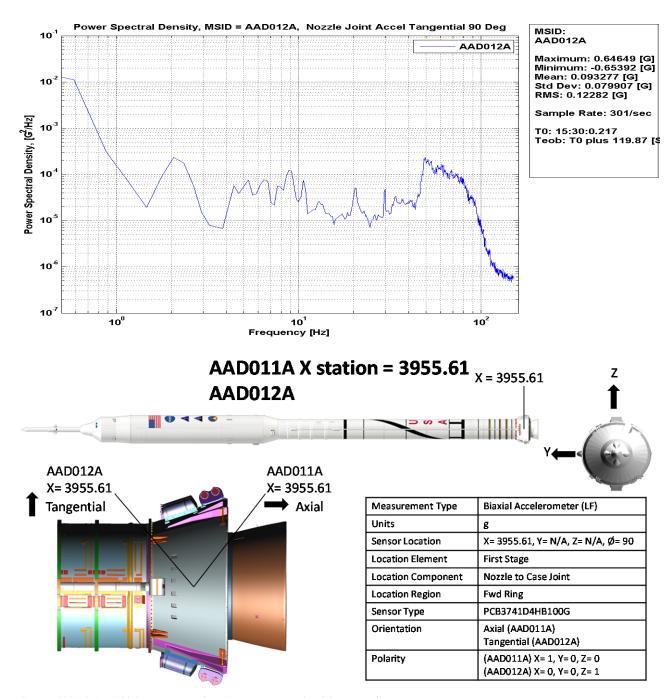


Figure 139: AAD012A Nozzle Joint Accel Tangential 90 Deg, PSD

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AAD012A Nozzle Joint Accel Tangential 90 Deg, Time History

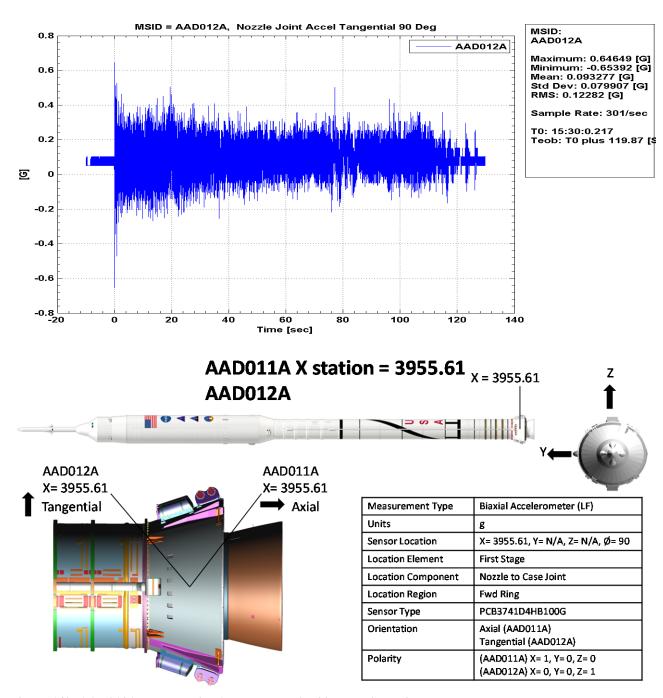


Figure 140: AAD012A Nozzle Joint Accel Tangential 90 Deg, Time History

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AAD013A Nozzle Joint Accel Axial 180 Deg, PSD

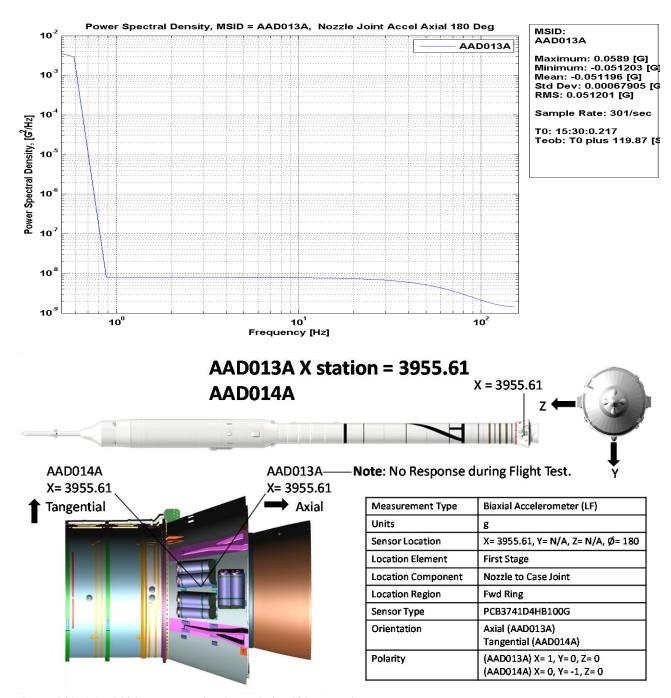


Figure 141: AAD013A Nozzle Joint Accel Axial 180 Deg, PSD

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AAD013A Nozzle Joint Accel Axial 180 Deg, Time History

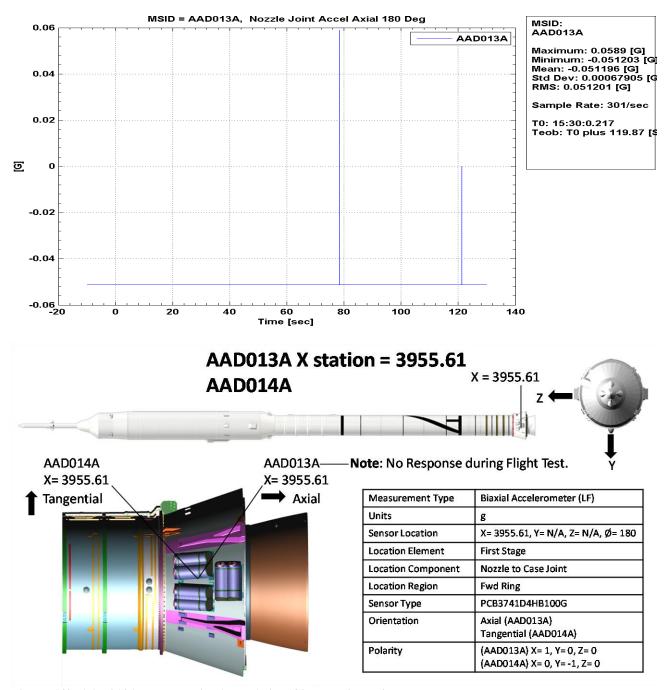


Figure 142: AAD013A Nozzle Joint Accel Axial 180 Deg, Time History

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AAD014A Nozzle Joint Accel Tangential 180 Deg, PSD

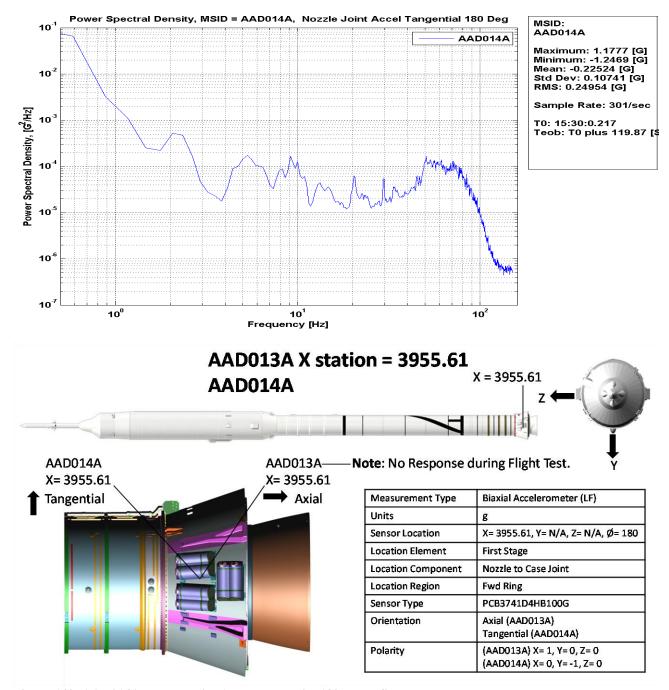


Figure 143: AAD014A Nozzle Joint Accel Tangential 180 Deg, PSD

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AAD014A Nozzle Joint Accel Tangential 180 Deg, Time History

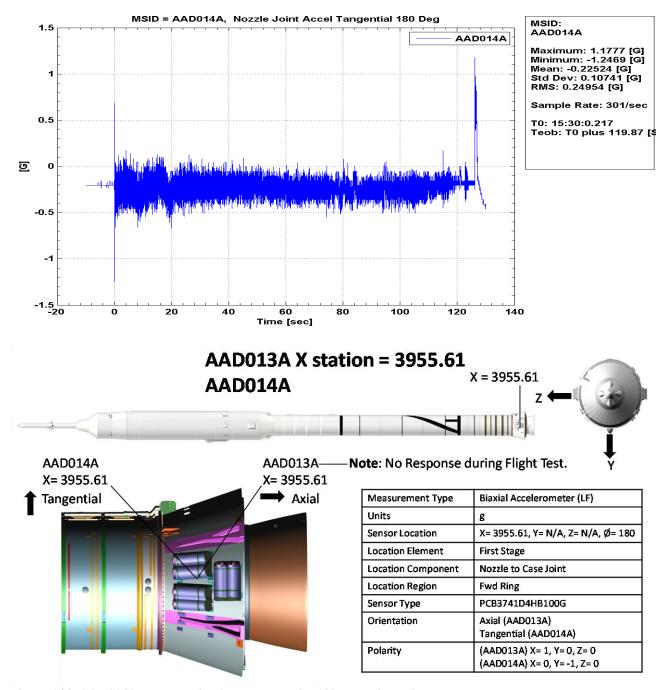


Figure 144: AAD014A Nozzle Joint Accel Tangential 180 Deg, Time History

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AAD015A Nozzle Joint Accel Axial 275 Deg, PSD

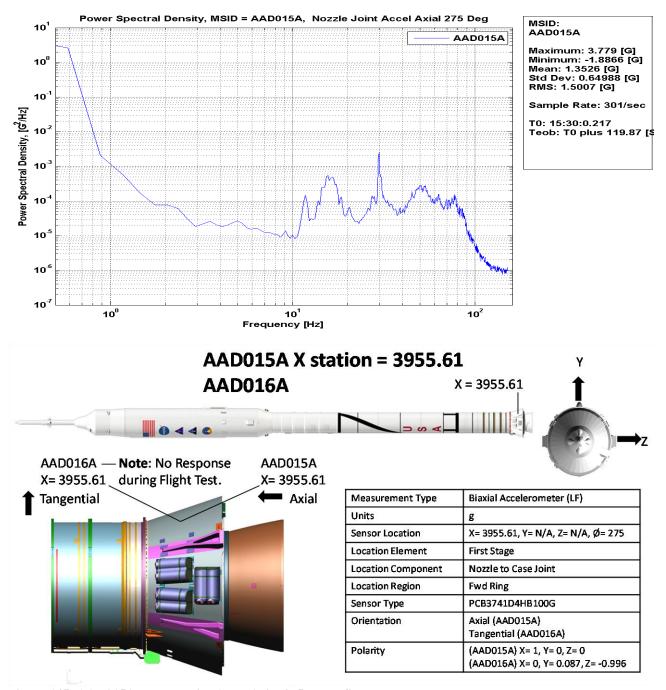


Figure 145: AAD015A Nozzle Joint Accel Axial 275 Deg, PSD

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AAD015A Nozzle Joint Accel Axial 275 Deg, Time History

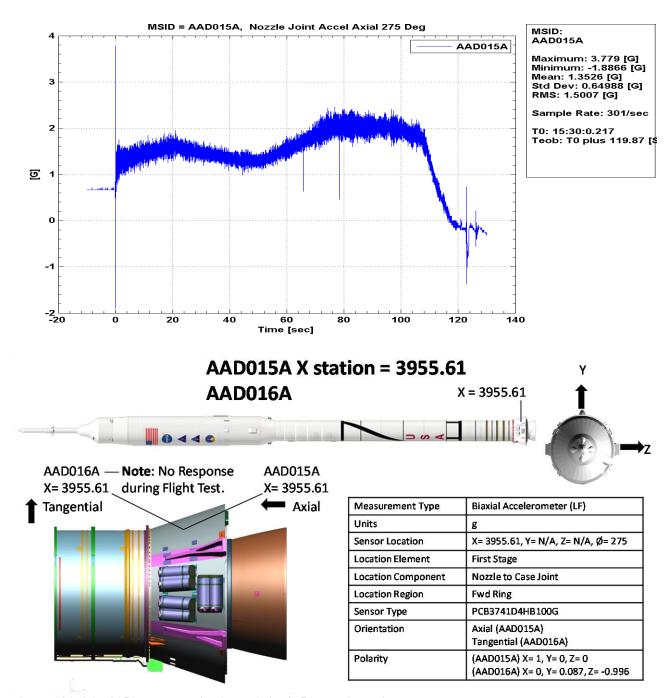


Figure 146: AAD015A Nozzle Joint Accel Axial 275 Deg, Time History

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AAD016A Nozzle Joint Accel Tangential 275 Deg, PSD

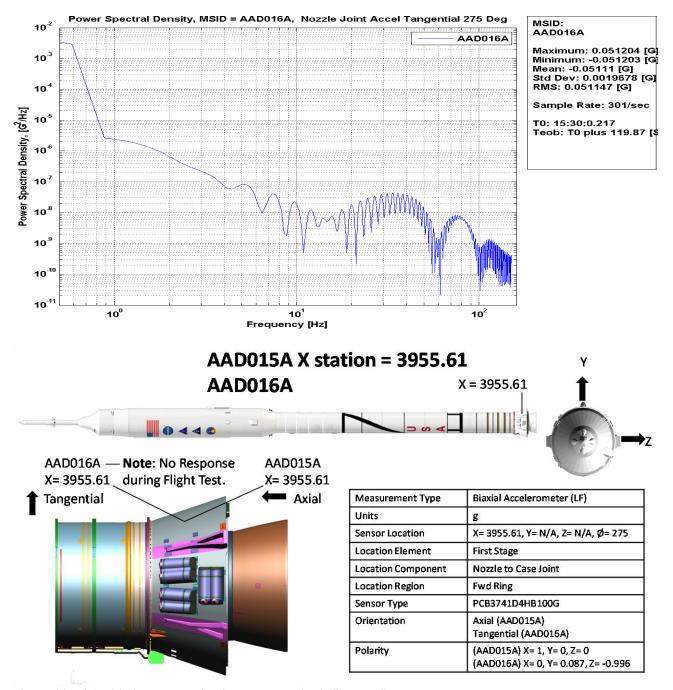


Figure 147: AAD016A Nozzle Joint Accel Tangential 275 Deg, PSD

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AAD016A Nozzle Joint Accel Tangential 275 Deg, Time History

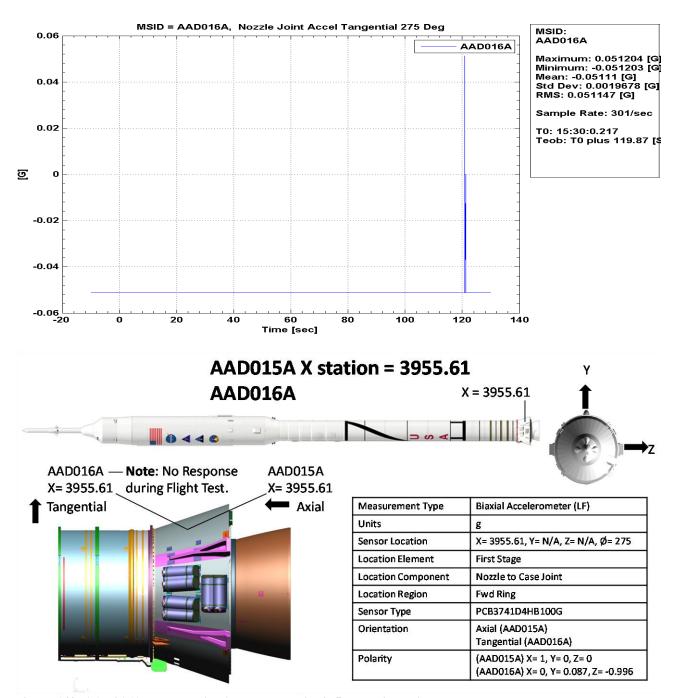


Figure 148: AAD016A Nozzle Joint Accel Tangential 275 Deg, Time History

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AAD017A Aft Cyl Flange Accel Axial 0 Deg, PSD

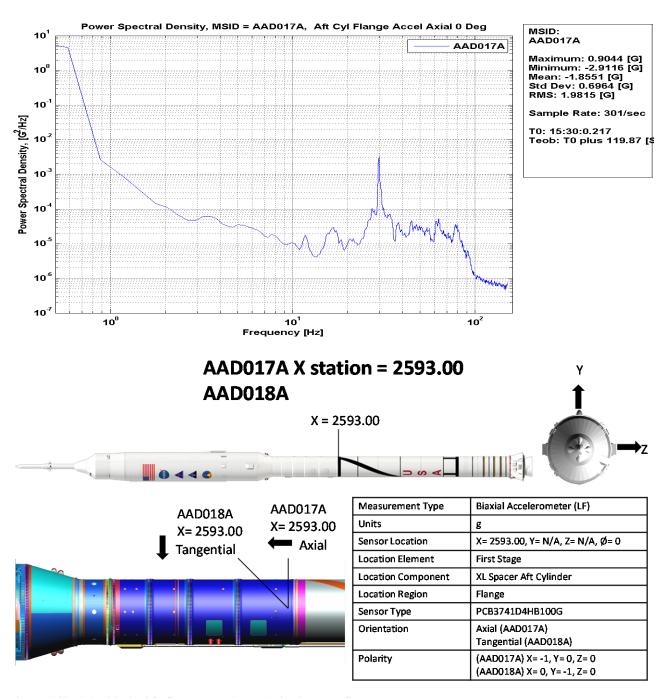


Figure 149: AAD017A Aft Cyl Flange Accel Axial 0 Deg, PSD

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AAD017A Aft Cyl Flange Accel Axial 0 Deg, Time History

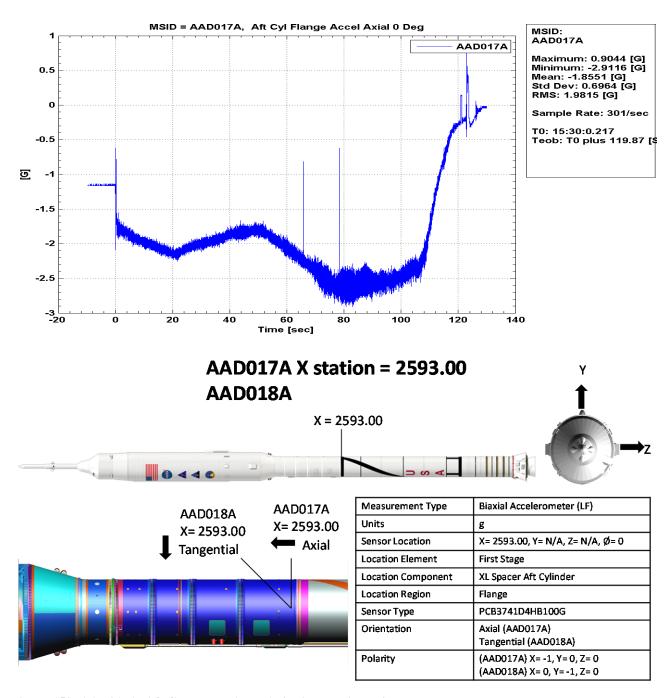


Figure 150: AAD017A Aft Cyl Flange Accel Axial 0 Deg, Time History

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AAD018A Aft Cyl Flange Accel Tangential 0 Deg, PSD

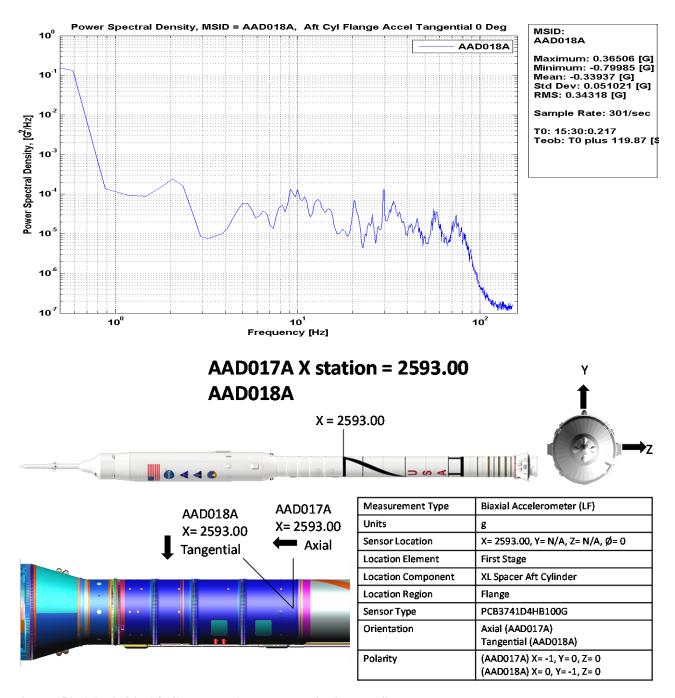


Figure 151: AAD018A Aft Cyl Flange Accel Tangential 0 Deg, PSD

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AAD018A Aft Cyl Flange Accel Tangential 0 Deg, Time History

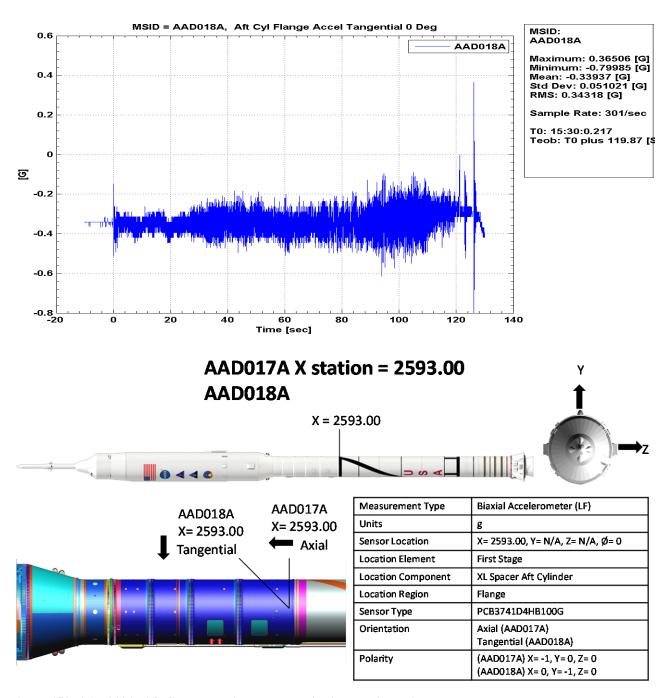


Figure 152: AAD018A Aft Cyl Flange Accel Tangential 0 Deg, Time History

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AAD019A Aft Cyl Flange Accel Axial 90 Deg, PSD

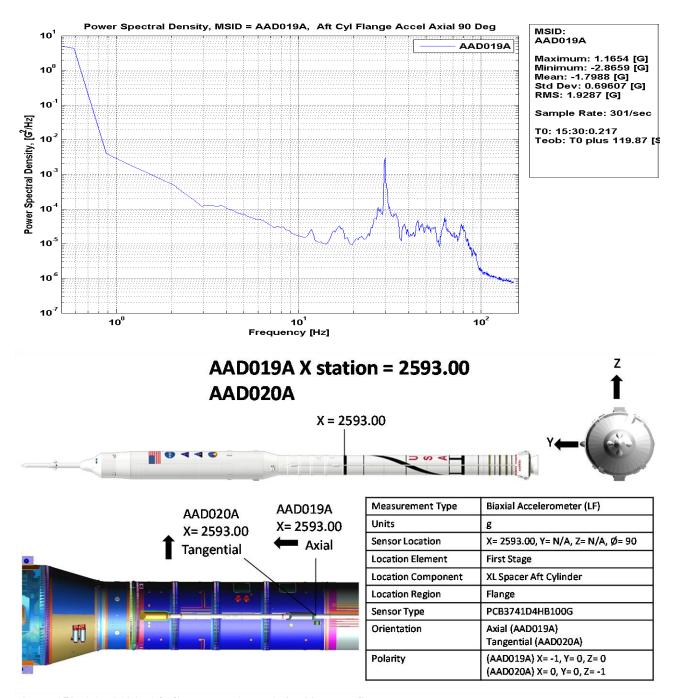


Figure 153: AAD019A Aft Cyl Flange Accel Axial 90 Deg, PSD

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AAD019A Aft Cyl Flange Accel Axial 90 Deg, Time History

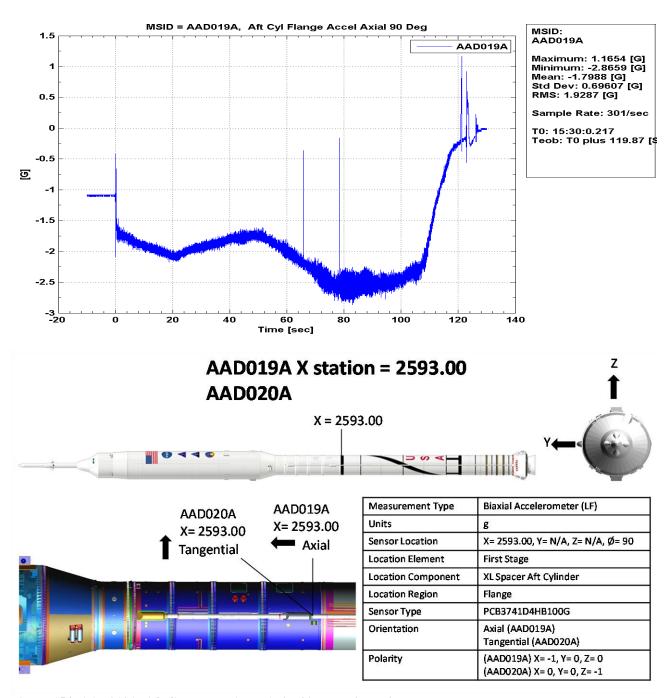


Figure 154: AAD019A Aft Cyl Flange Accel Axial 90 Deg, Time History

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AAD020A Aft Cyl Flange Accel Tangential 90 Deg, PSD

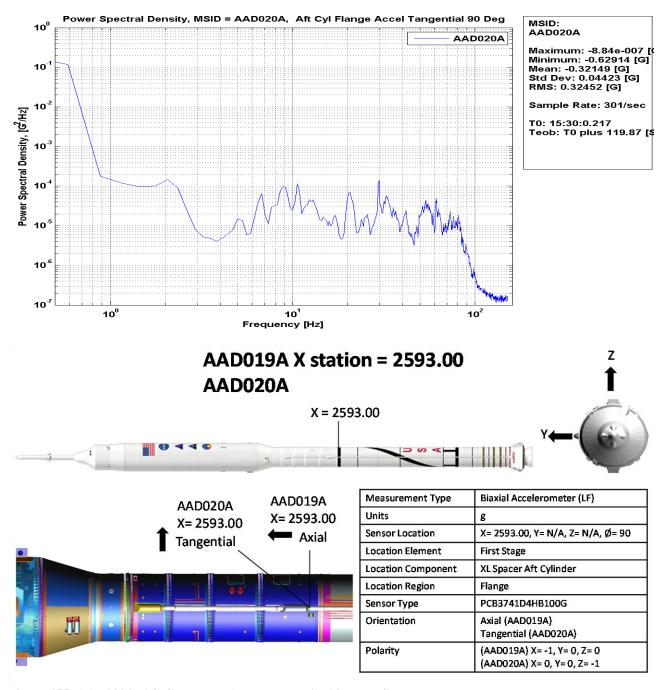


Figure 155: AAD020A Aft Cyl Flange Accel Tangential 90 Deg, PSD

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AAD020A Aft Cyl Flange Accel Tangential 90 Deg, Time History

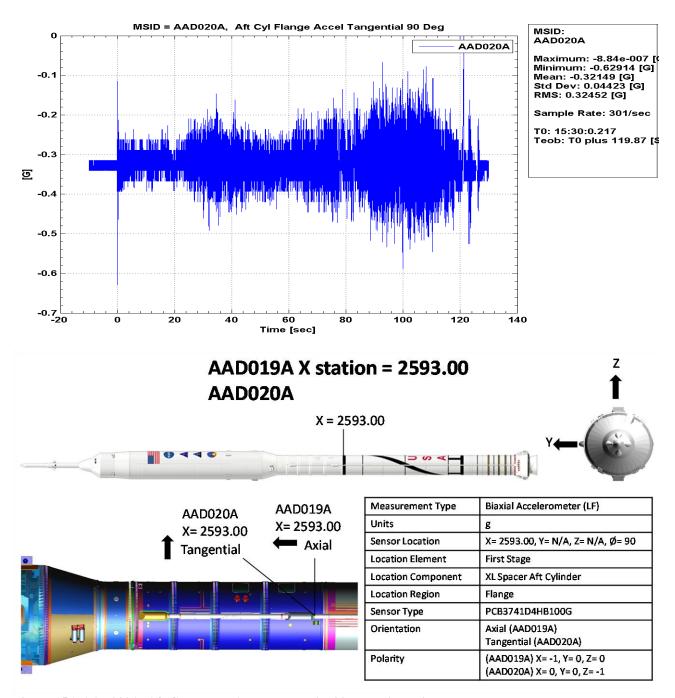


Figure 156: AAD020A Aft Cyl Flange Accel Tangential 90 Deg, Time History

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AAD021A Aft Cyl Flange Accel Axial 180 Deg, PSD

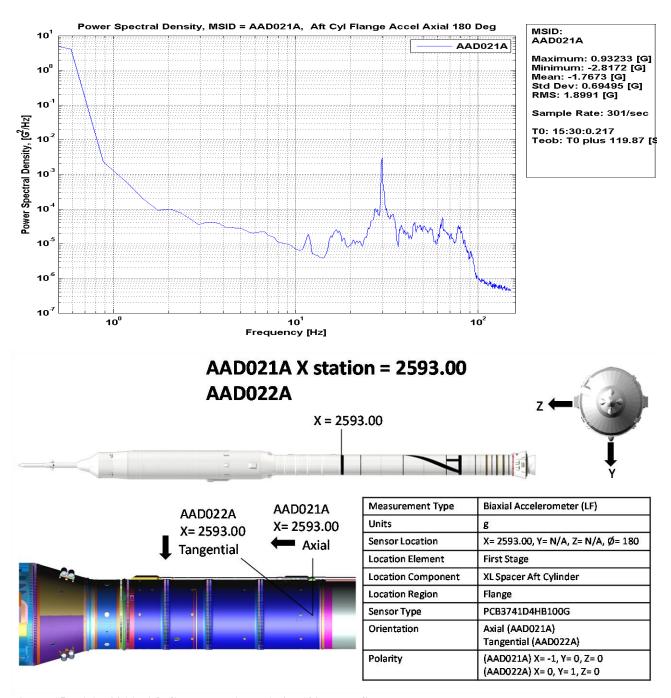


Figure 157: AAD021A Aft Cyl Flange Accel Axial 180 Deg, PSD

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AAD021A Aft Cyl Flange Accel Axial 180 Deg, Time History

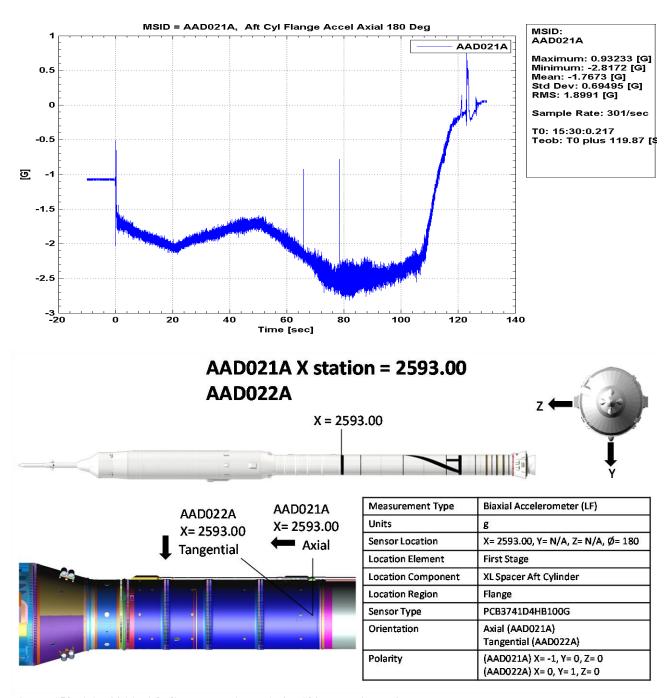


Figure 158: AAD021A Aft Cyl Flange Accel Axial 180 Deg, Time History

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AAD022A Aft Cyl Flange Accel Tangential 180 Deg, PSD

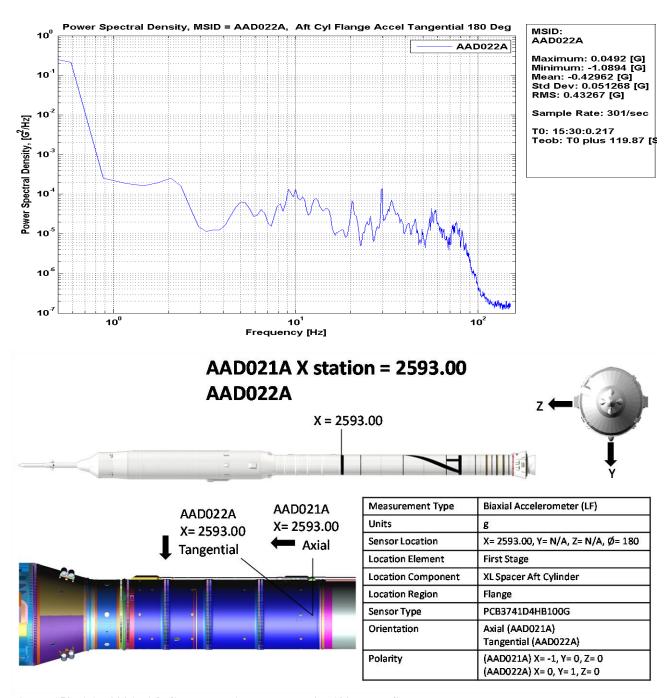


Figure 159: AAD022A Aft Cyl Flange Accel Tangential 180 Deg, PSD

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AAD022A Aft Cyl Flange Accel Tangential 180 Deg, Time History

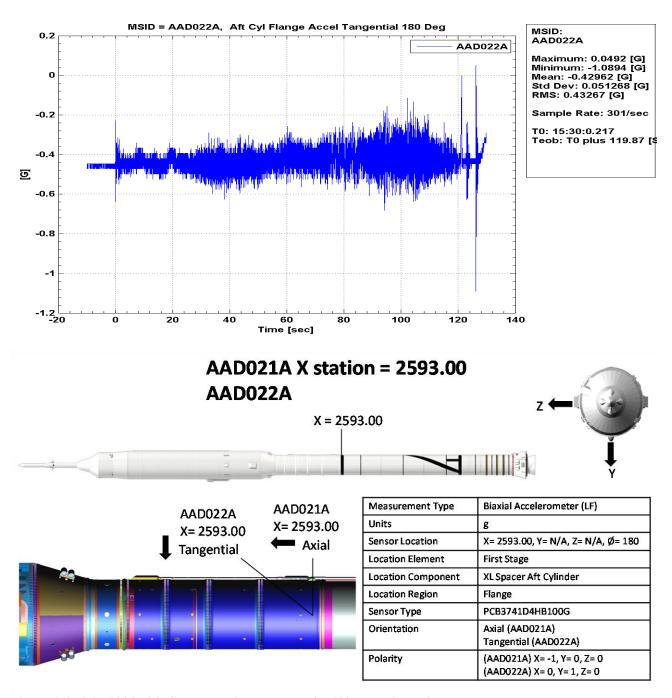


Figure 160: AAD022A Aft Cyl Flange Accel Tangential 180 Deg, Time History

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AAD023A Aft Cyl Flange Accel Axial 270 Deg, PSD

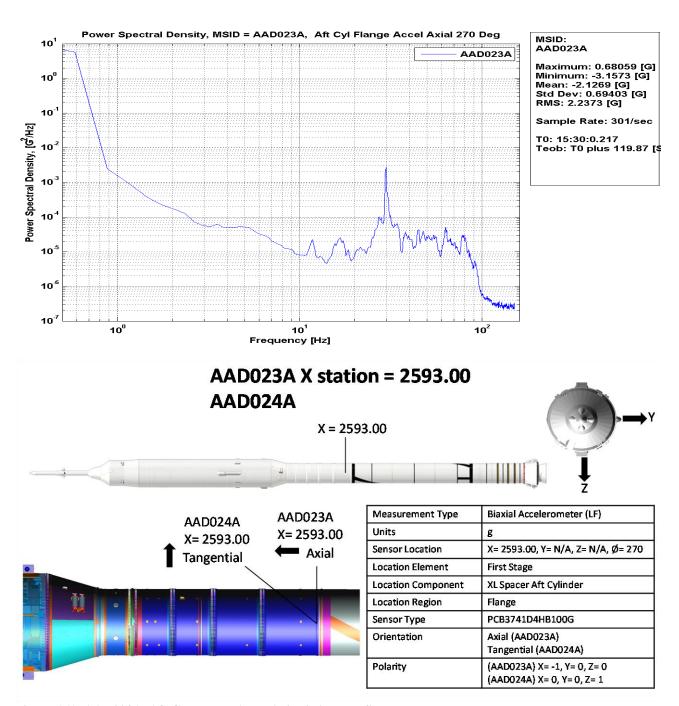


Figure 161: AAD023A Aft Cyl Flange Accel Axial 270 Deg, PSD

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AAD023A Aft Cyl Flange Accel Axial 270 Deg, Time History

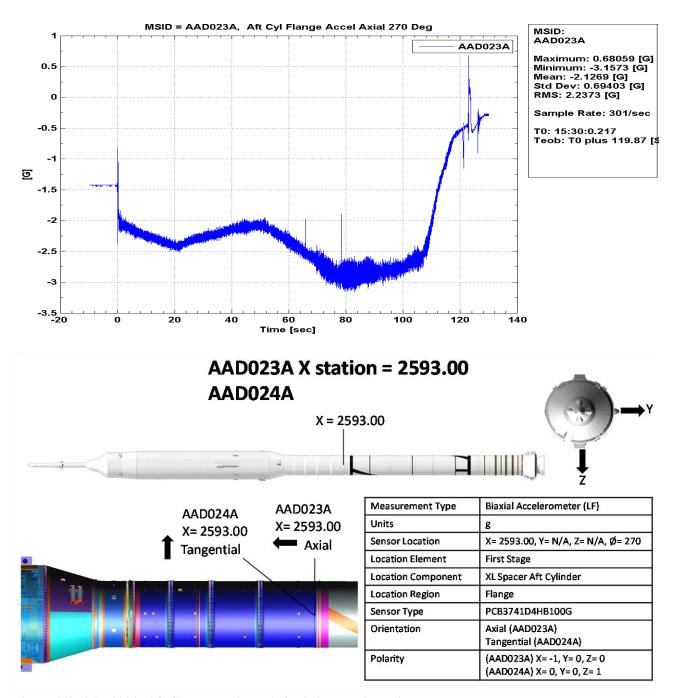


Figure 162: AAD023A Aft Cyl Flange Accel Axial 270 Deg, Time History

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AAD024A Aft Cyl Flange Accel Tangential 270 Deg, PSD

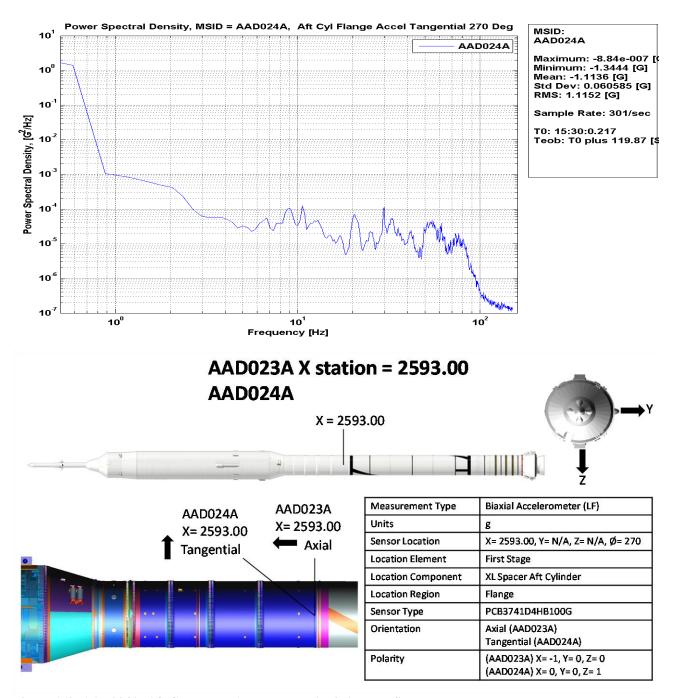


Figure 163: AAD024A Aft Cyl Flange Accel Tangential 270 Deg, PSD

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AAD024A Aft Cyl Flange Accel Tangential 270 Deg, Time History

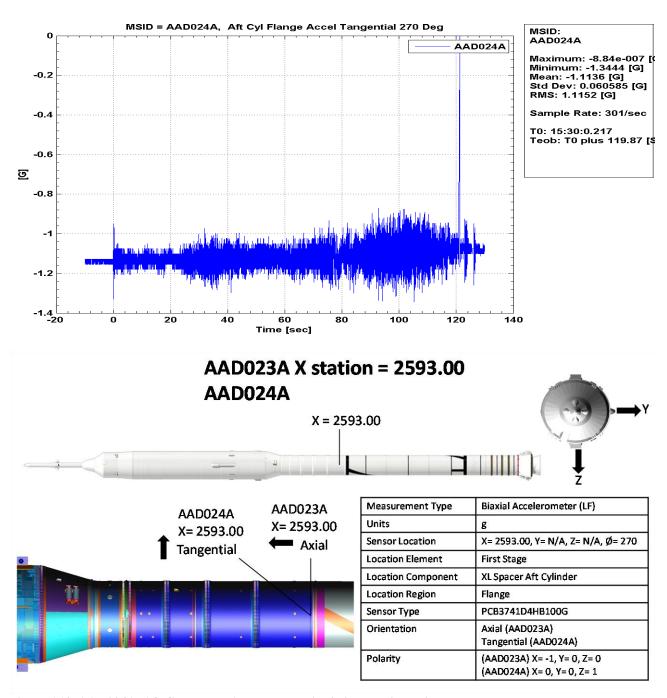


Figure 164: AAD024A Aft Cyl Flange Accel Tangential 270 Deg, Time History

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AAD033A CXP0014 Frustrum Flange Accel Axial 0 Deg, PSD

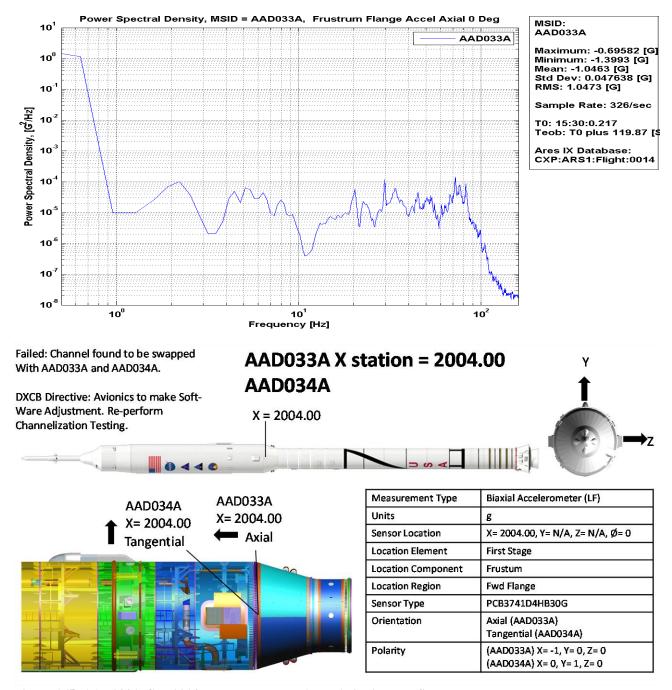


Figure 165: AAD033A CXP0014 Frustrum Flange Accel Axial 0 Deg, PSD

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AAD033A CXP0014 Frustrum Flange Accel Axial 0 Deg, Time History

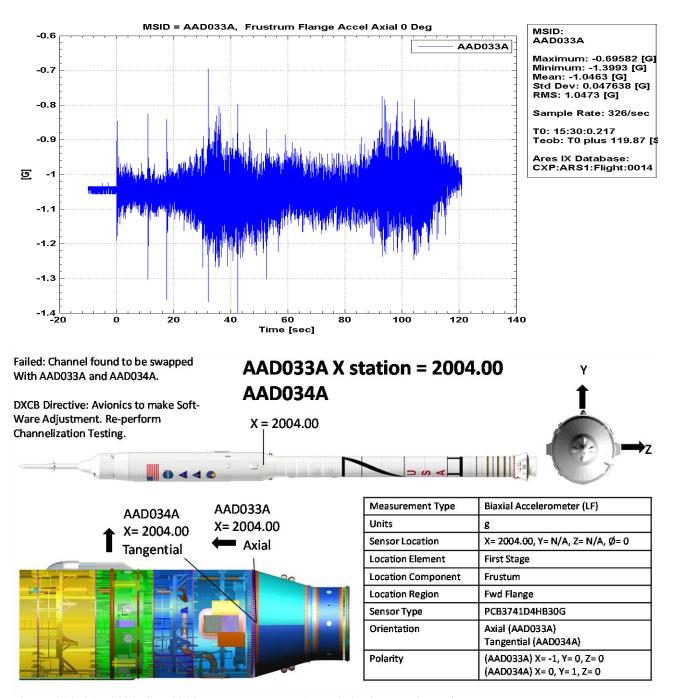


Figure 166: AAD033A CXP0014 Frustrum Flange Accel Axial 0 Deg, Time History

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AAD033A Frustrum Flange Accel Axial 0 Deg, PSD

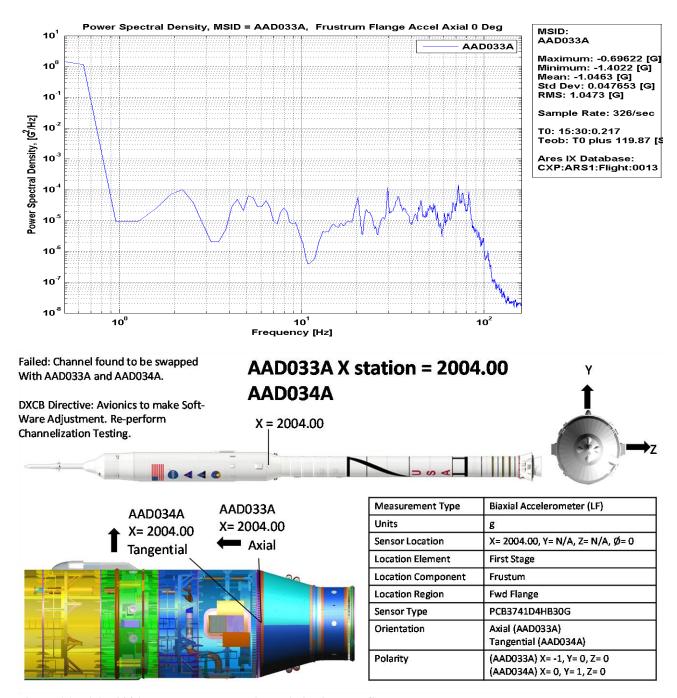


Figure 167: AAD033A Frustrum Flange Accel Axial 0 Deg, PSD

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AAD033A Frustrum Flange Accel Axial 0 Deg, Time History

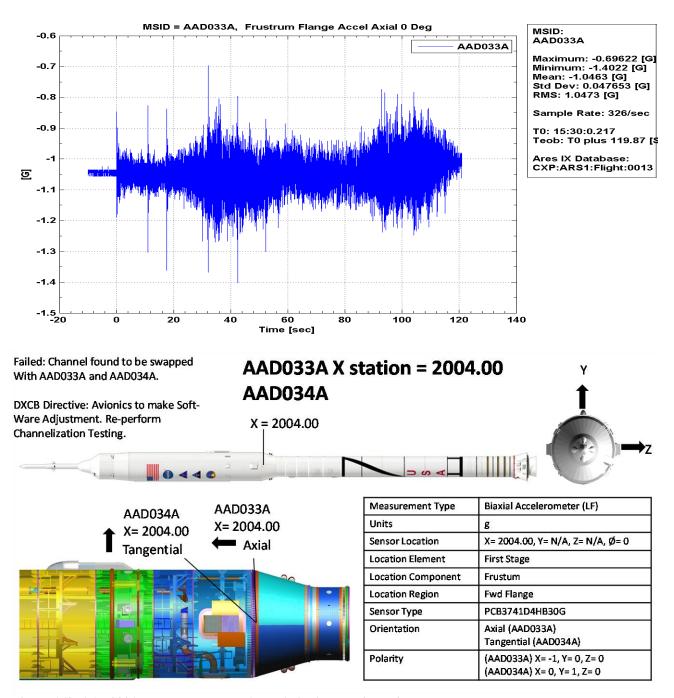


Figure 168: AAD033A Frustrum Flange Accel Axial 0 Deg, Time History

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AAD034A CXP0014 Frustrum Flange Accel Tangential 0 Deg, PSD

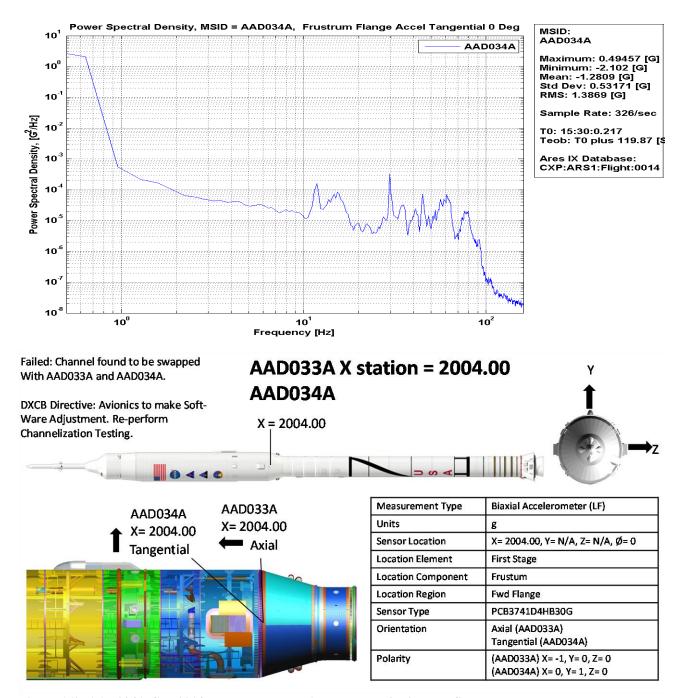


Figure 169: AAD034A CXP0014 Frustrum Flange Accel Tangential 0 Deg, PSD

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AAD034A CXP0014 Frustrum Flange Accel Tangential 0 Deg, Time History

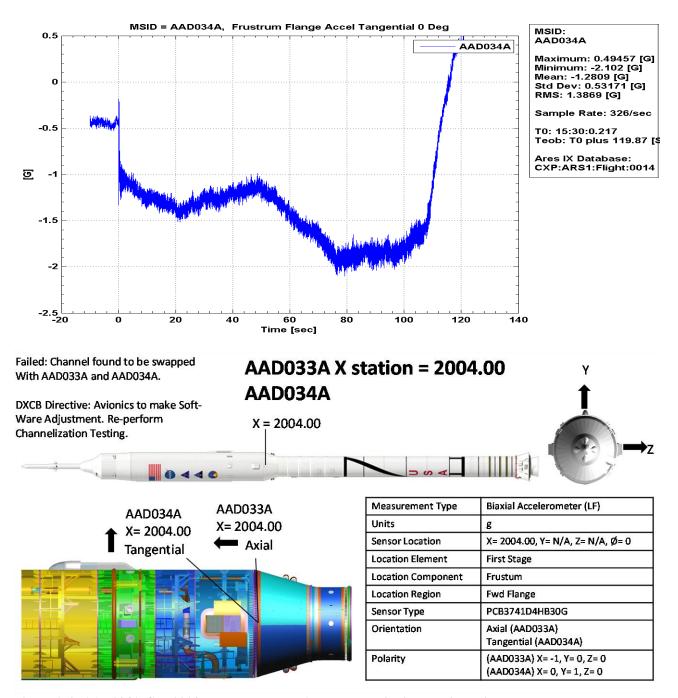


Figure 170: AAD034A CXP0014 Frustrum Flange Accel Tangential 0 Deg, Time History

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AAD034A Frustrum Flange Accel Tangential 0 Deg, PSD

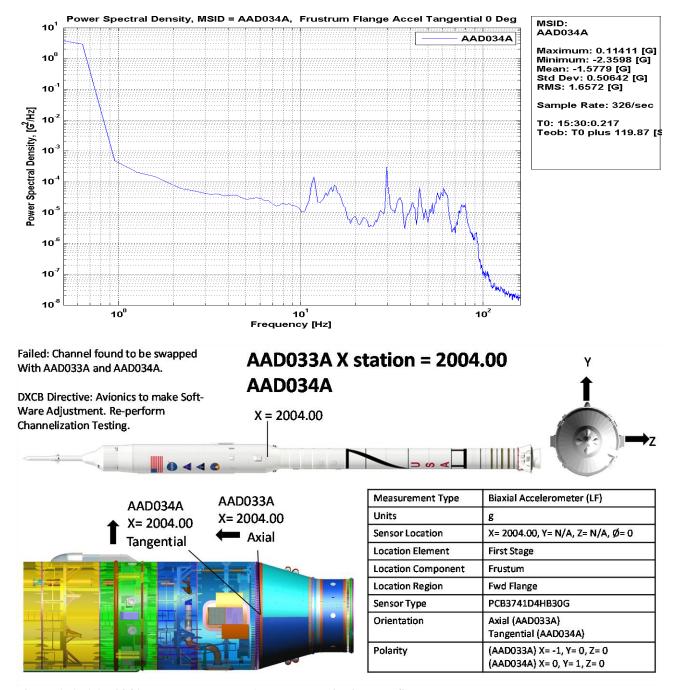


Figure 171: AAD034A Frustrum Flange Accel Tangential 0 Deg, PSD

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AAD034A Frustrum Flange Accel Tangential 0 Deg, Time History

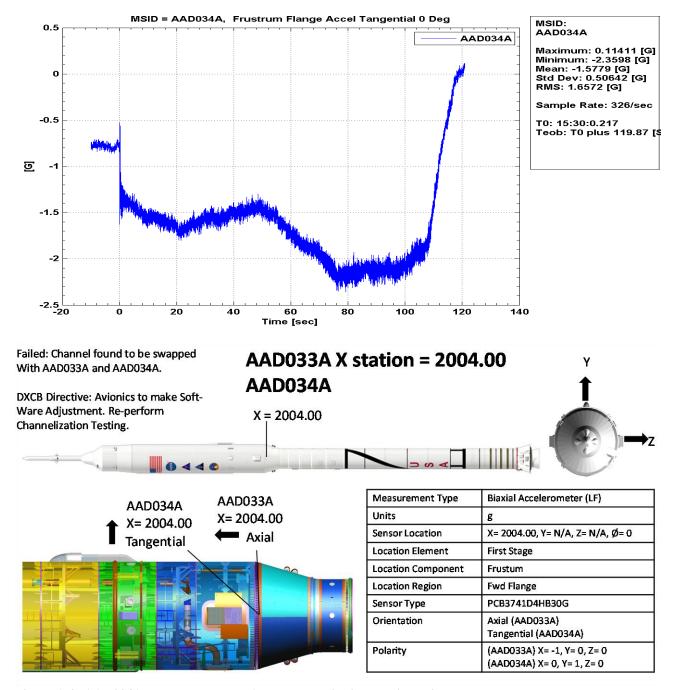


Figure 172: AAD034A Frustrum Flange Accel Tangential 0 Deg, Time History

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AAD035A CXP0014 Frustrum Flange Accel Axial 90 Deg, PSD

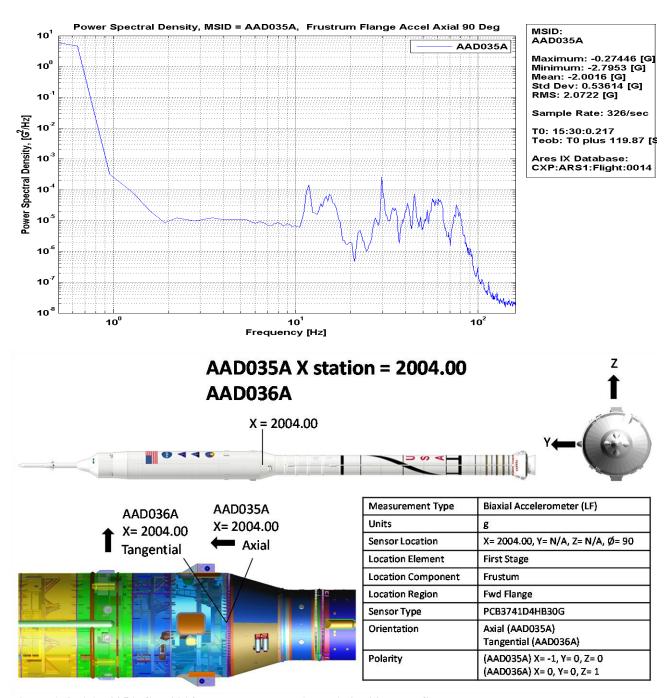


Figure 173: AAD035A CXP0014 Frustrum Flange Accel Axial 90 Deg, PSD

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AAD035A CXP0014 Frustrum Flange Accel Axial 90 Deg, Time History

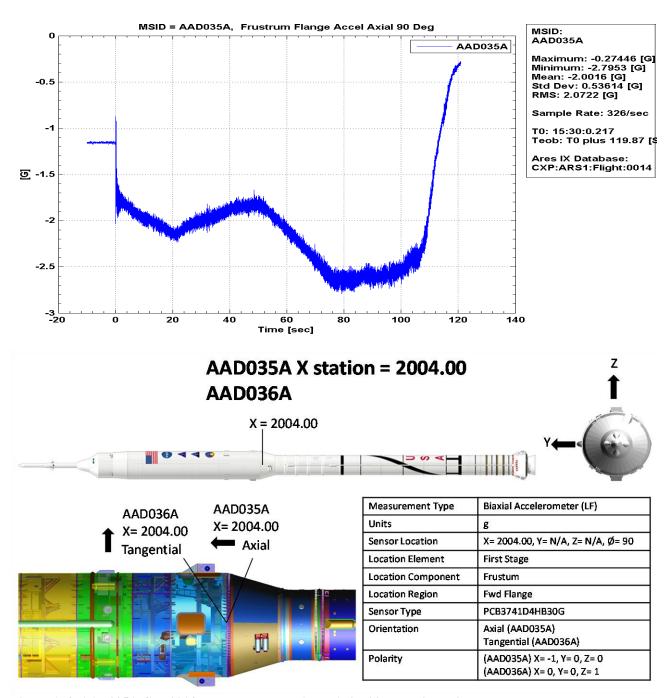


Figure 174: AAD035A CXP0014 Frustrum Flange Accel Axial 90 Deg, Time History

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AAD035A Frustrum Flange Accel Axial 90 Deg, PSD

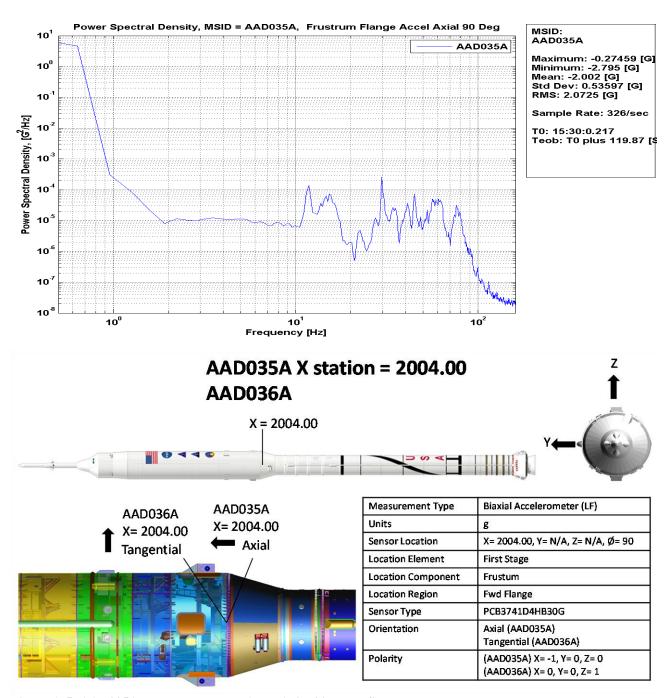


Figure 175: AAD035A Frustrum Flange Accel Axial 90 Deg, PSD

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AAD035A Frustrum Flange Accel Axial 90 Deg, Time History

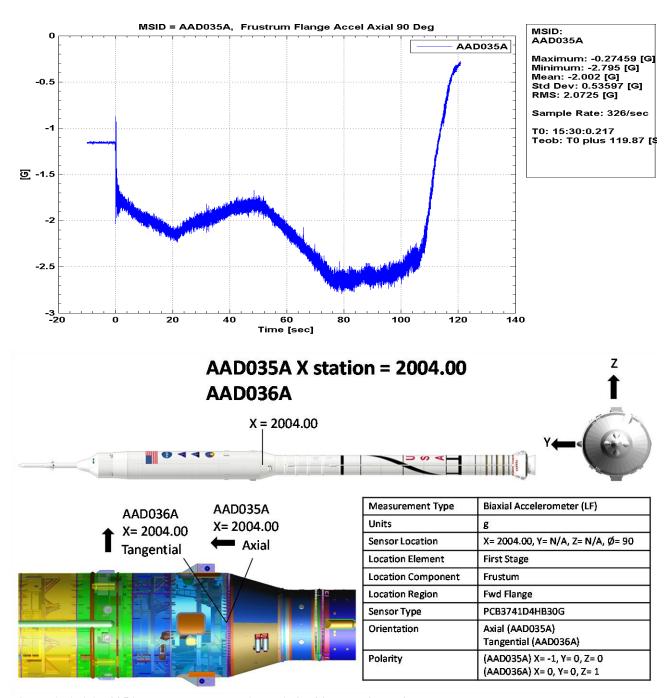


Figure 176: AAD035A Frustrum Flange Accel Axial 90 Deg, Time History

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AAD036A CXP0014 Frustrum Flange Accel Tangential 90 Deg, PSD

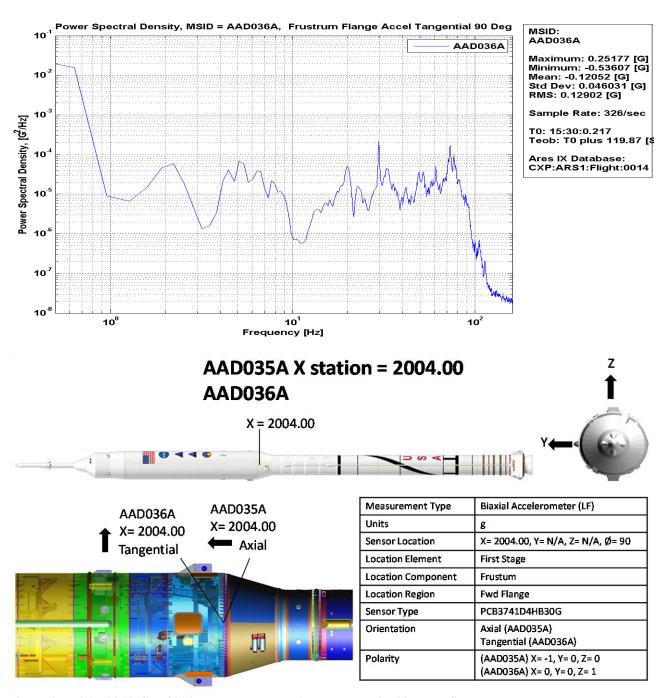


Figure 177: AAD036A CXP0014 Frustrum Flange Accel Tangential 90 Deg, PSD

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AAD036A CXP0014 Frustrum Flange Accel Tangential 90 Deg, Time History

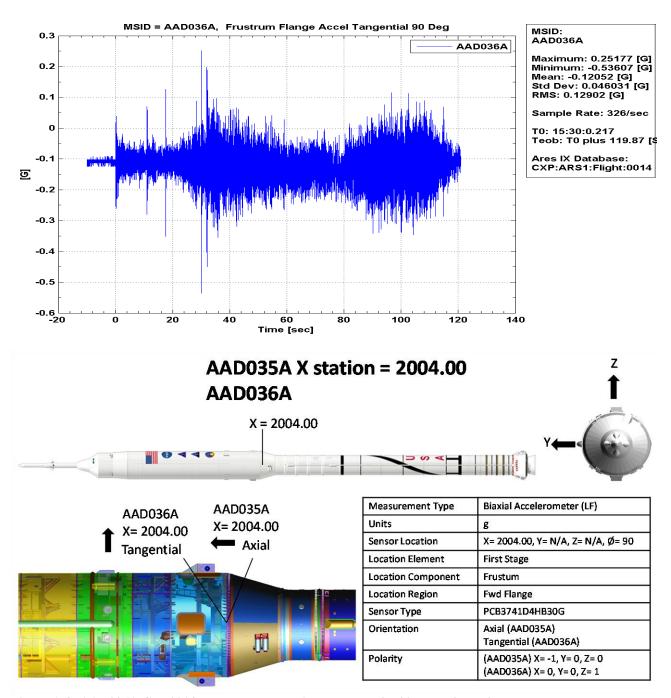


Figure 178: AAD036A CXP0014 Frustrum Flange Accel Tangential 90 Deg, Time History

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AAD036A Frustrum Flange Accel Tangential 90 Deg, PSD

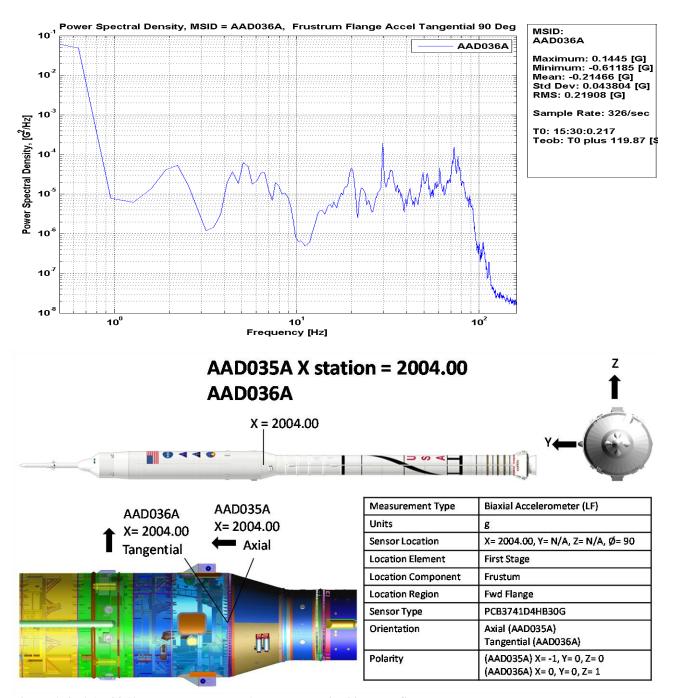


Figure 179: AAD036A Frustrum Flange Accel Tangential 90 Deg, PSD

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AAD036A Frustrum Flange Accel Tangential 90 Deg, Time History

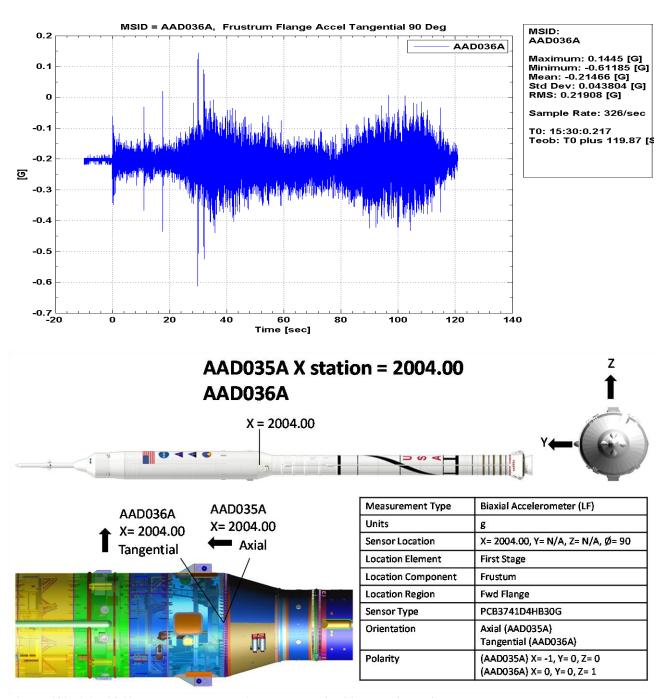


Figure 180: AAD036A Frustrum Flange Accel Tangential 90 Deg, Time History

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AAD037A Frustrum Flange Accel Axial 180 Deg, PSD

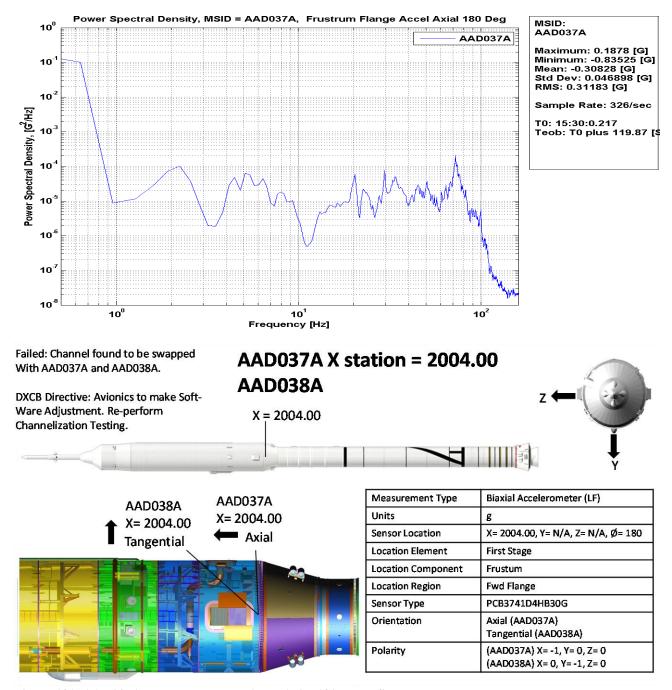


Figure 181: AAD037A Frustrum Flange Accel Axial 180 Deg, PSD

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AAD037A Frustrum Flange Accel Axial 180 Deg, Time History

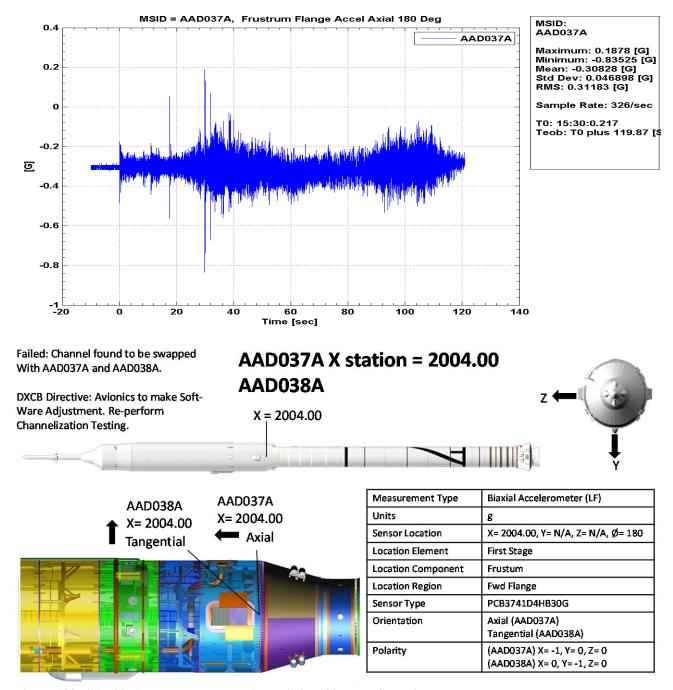


Figure 182: AAD037A Frustrum Flange Accel Axial 180 Deg, Time History

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AAD038A Frustrum Flange Accel Tangential 180 Deg, PSD

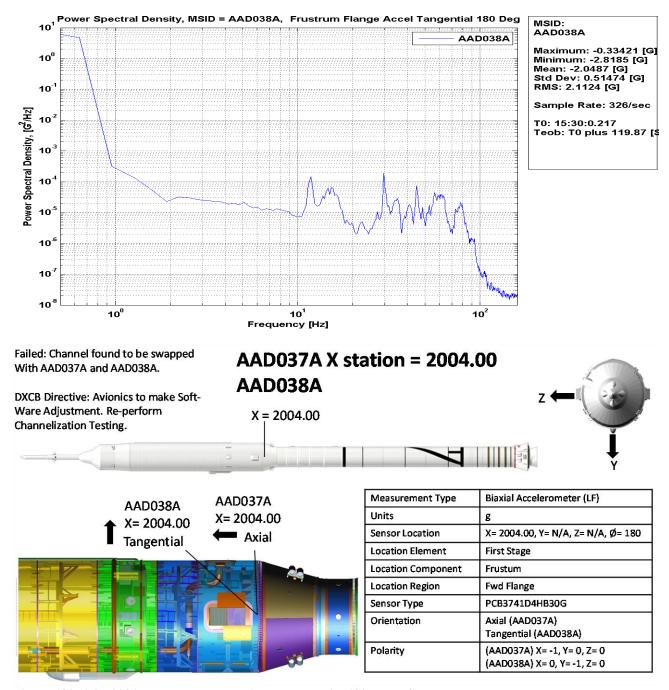


Figure 183: AAD038A Frustrum Flange Accel Tangential 180 Deg, PSD

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AAD038A Frustrum Flange Accel Tangential 180 Deg, Time History

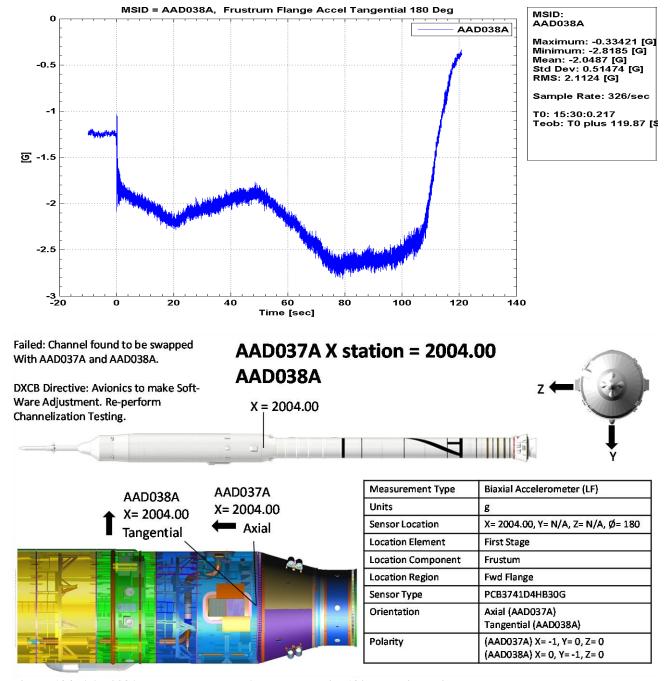


Figure 184: AAD038A Frustrum Flange Accel Tangential 180 Deg, Time History

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AAD039A Frustrum Flange Accel Axial 270 Deg, PSD

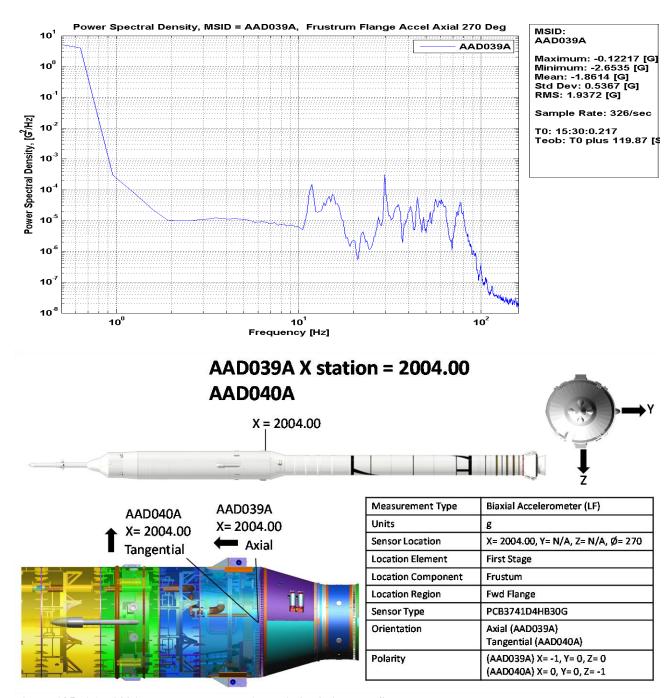


Figure 185: AAD039A Frustrum Flange Accel Axial 270 Deg, PSD

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AAD039A Frustrum Flange Accel Axial 270 Deg, Time History

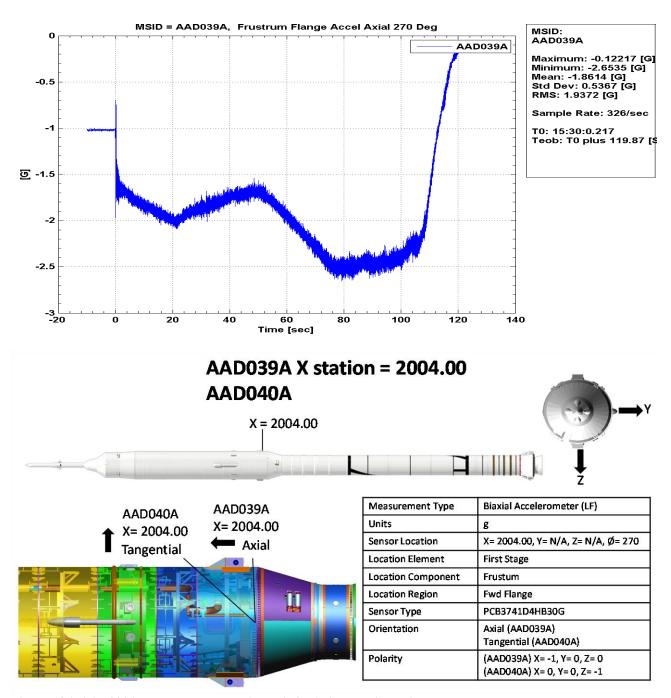


Figure 186: AAD039A Frustrum Flange Accel Axial 270 Deg, Time History

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AAD040A Frustrum Flange Accel Tangential 270 Deg, PSD

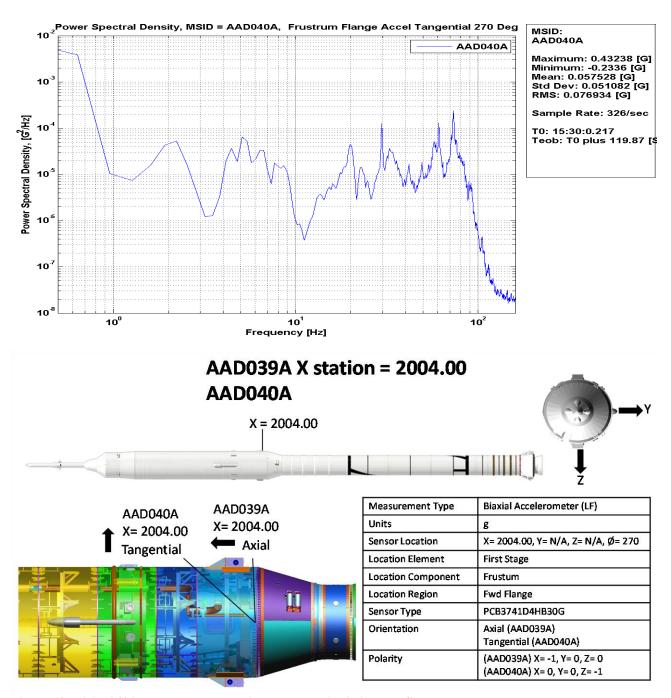


Figure 187: AAD040A Frustrum Flange Accel Tangential 270 Deg, PSD

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AAD040A Frustrum Flange Accel Tangential 270 Deg, Time History

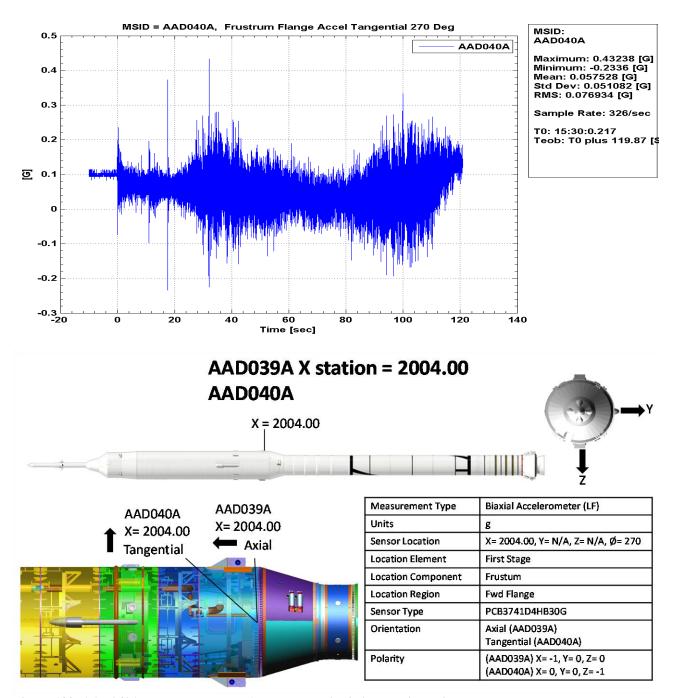


Figure 188: AAD040A Frustrum Flange Accel Tangential 270 Deg, Time History

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AAD041A Forward Skirt Accel Axial 45 Deg, PSD

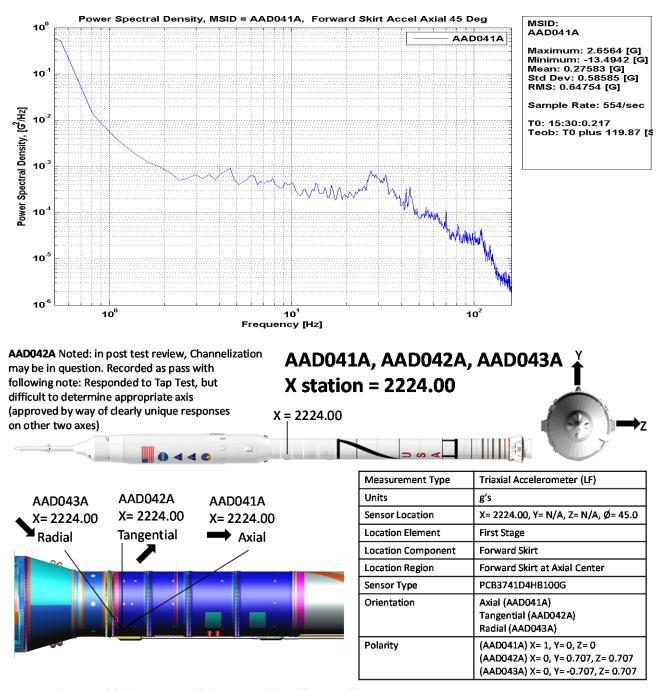


Figure 189: AAD041A Forward Skirt Accel Axial 45 Deg, PSD

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AAD041A Forward Skirt Accel Axial 45 Deg, Time History

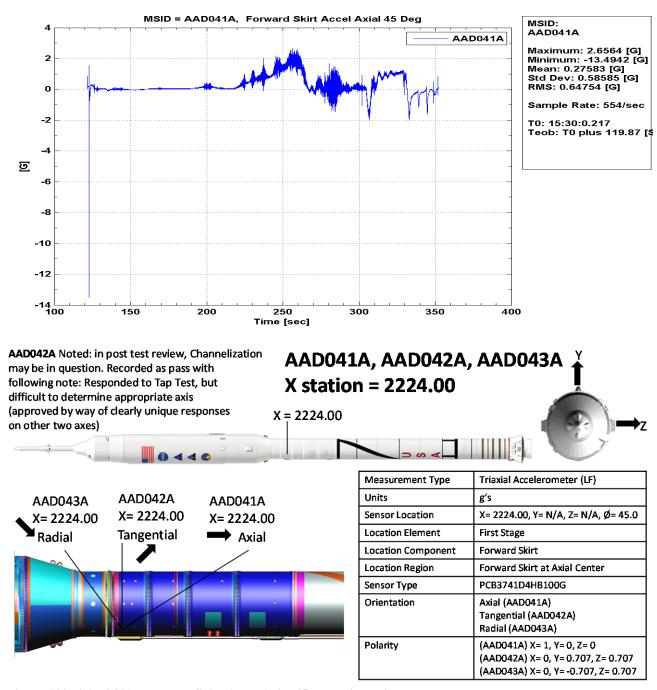


Figure 190: AAD041A Forward Skirt Accel Axial 45 Deg, Time History

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AAD042A Forward Skirt Accel Tangential 45 Deg, PSD

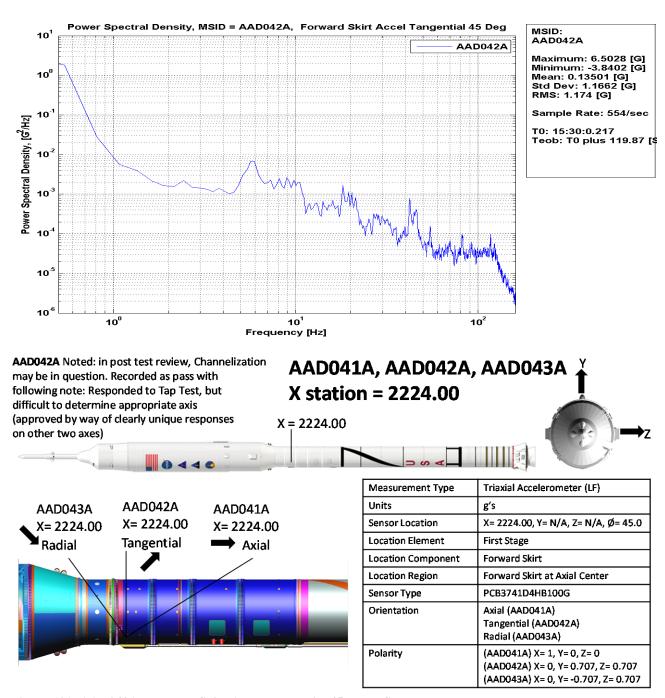


Figure 191: AAD042A Forward Skirt Accel Tangential 45 Deg, PSD

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AAD042A Forward Skirt Accel Tangential 45 Deg, Time History

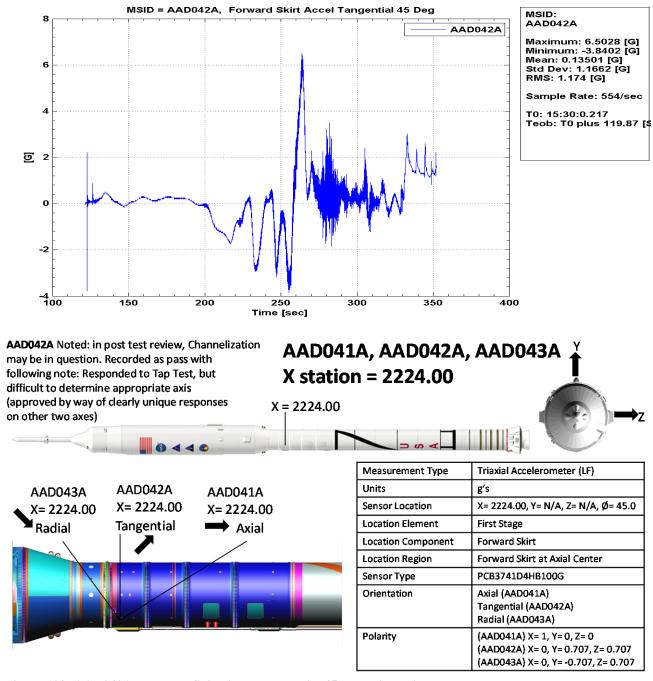


Figure 192: AAD042A Forward Skirt Accel Tangential 45 Deg, Time History

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AAD043A Forward Skirt Accel Radial 45 Deg, PSD

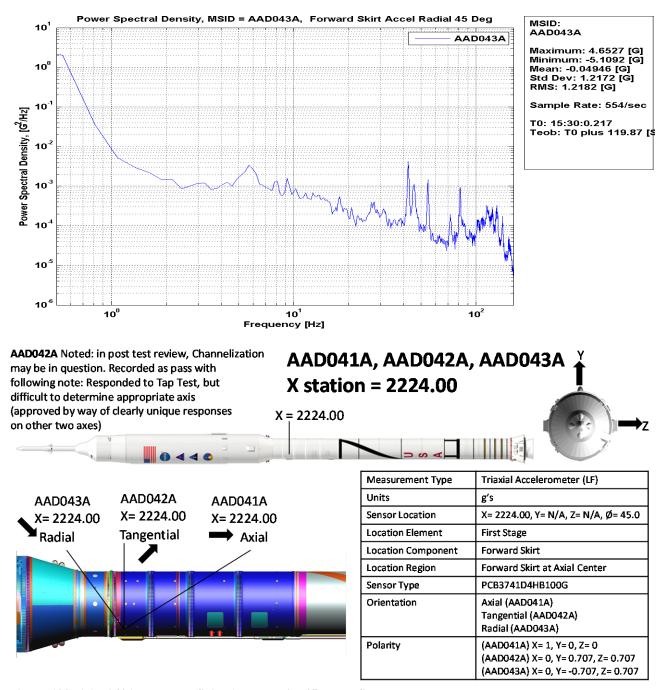


Figure 193: AAD043A Forward Skirt Accel Radial 45 Deg, PSD

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AAD043A Forward Skirt Accel Radial 45 Deg, Time History

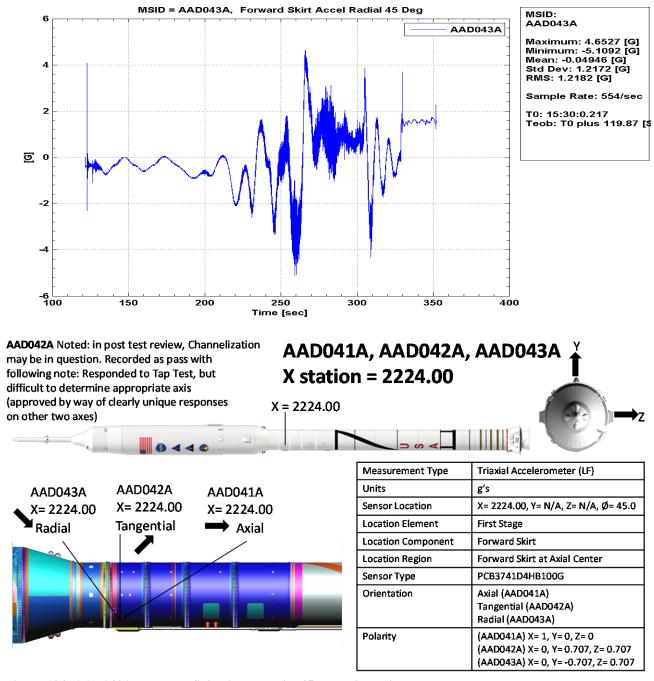


Figure 194: AAD043A Forward Skirt Accel Radial 45 Deg, Time History

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AAD044A Forward Skirt Accel Axial 135 Deg, PSD

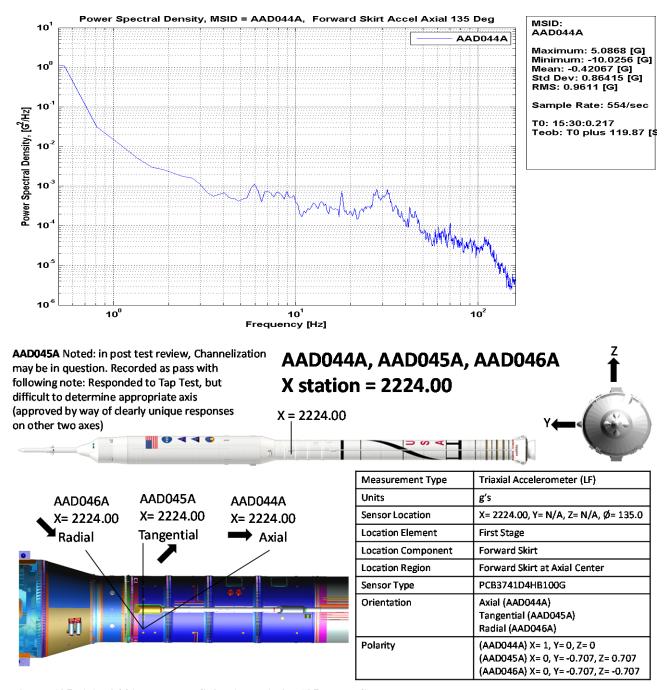


Figure 195: AAD044A Forward Skirt Accel Axial 135 Deg, PSD

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AAD044A Forward Skirt Accel Axial 135 Deg, Time History

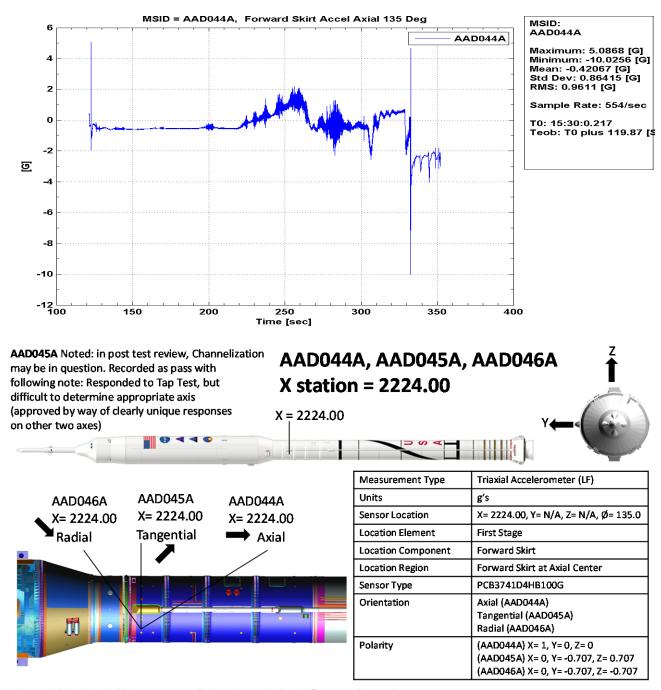


Figure 196: AAD044A Forward Skirt Accel Axial 135 Deg, Time History

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AAD045A Forward Skirt Accel Tangential 135 Deg, PSD

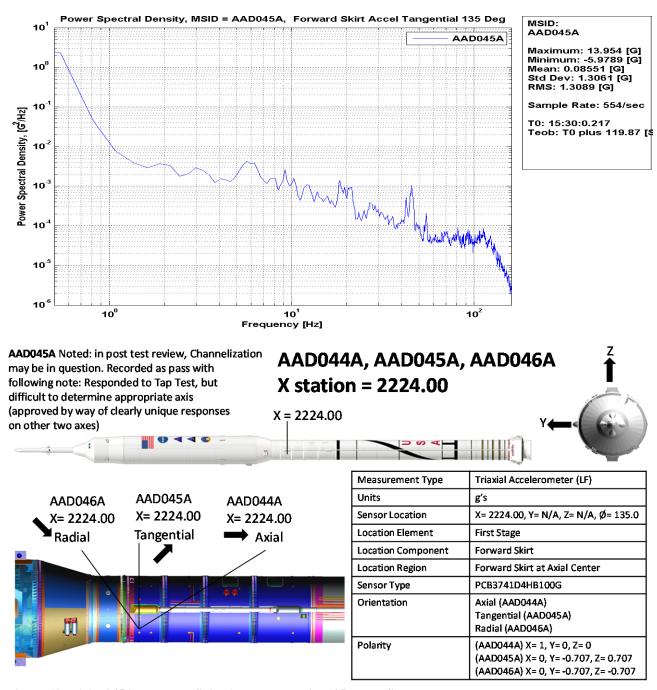


Figure 197: AAD045A Forward Skirt Accel Tangential 135 Deg, PSD

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AAD045A Forward Skirt Accel Tangential 135 Deg, Time History

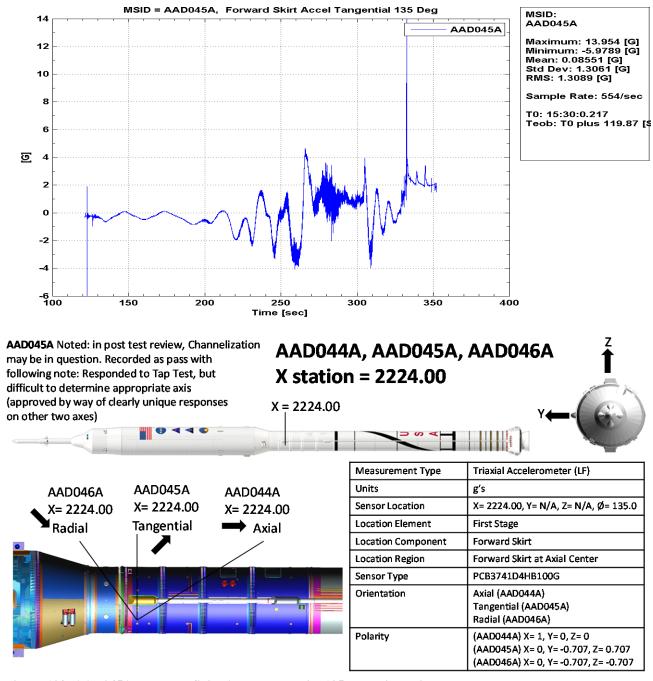


Figure 198: AAD045A Forward Skirt Accel Tangential 135 Deg, Time History

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AAD046A Forward Skirt Accel Radial 135 Deg, PSD

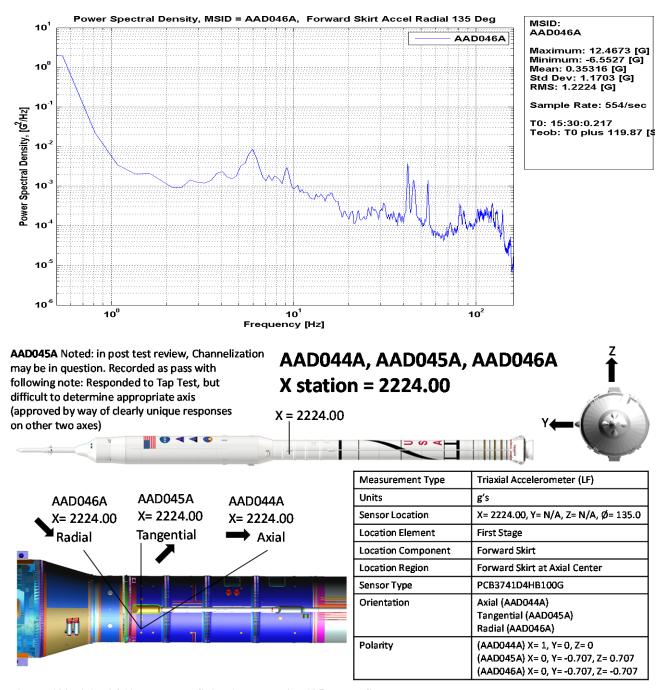


Figure 199: AAD046A Forward Skirt Accel Radial 135 Deg, PSD

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AAD046A Forward Skirt Accel Radial 135 Deg, Time History

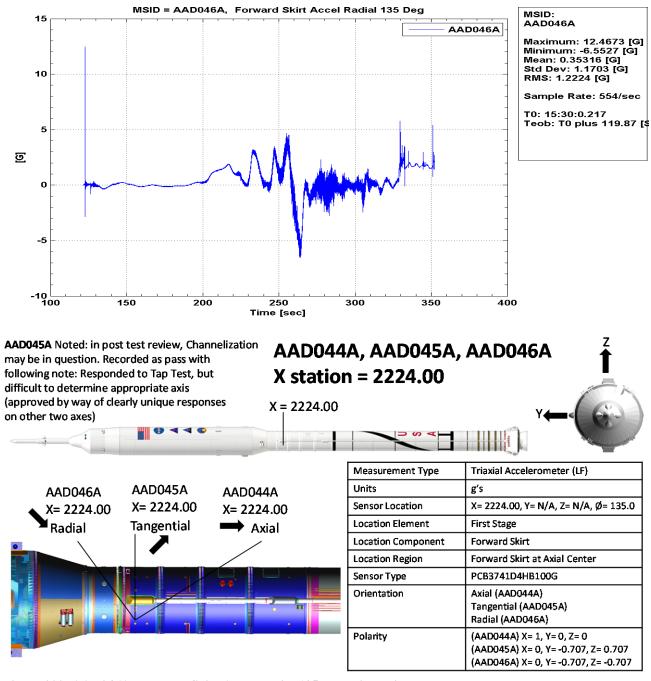


Figure 200: AAD046A Forward Skirt Accel Radial 135 Deg, Time History

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AAD047A Forward Skirt Accel Axial 225 Deg, PSD

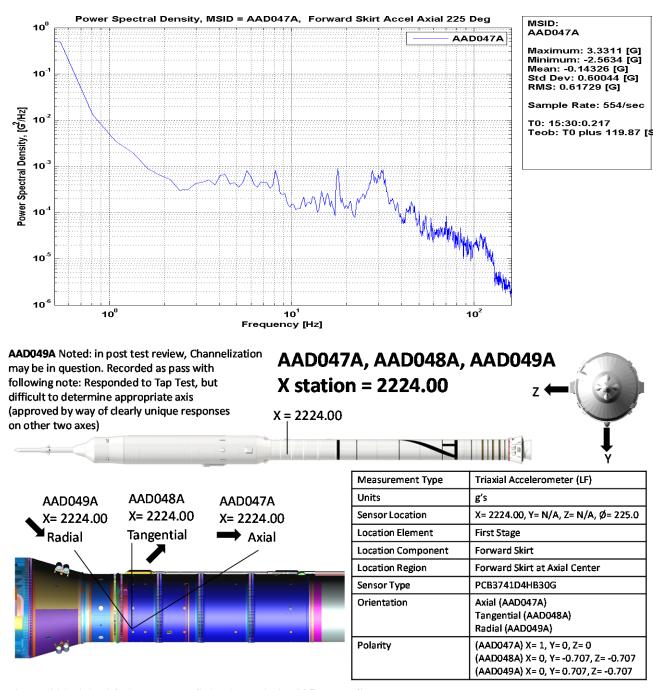


Figure 201: AAD047A Forward Skirt Accel Axial 225 Deg, PSD

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AAD047A Forward Skirt Accel Axial 225 Deg, Time History

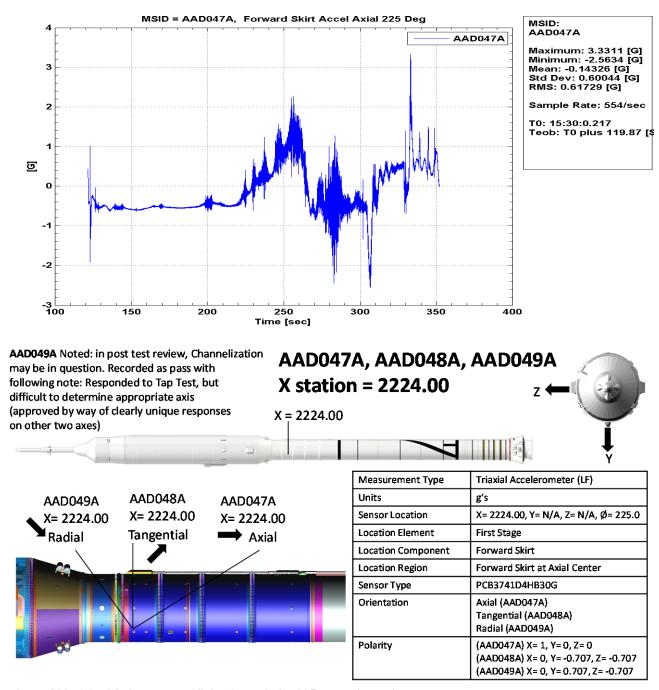


Figure 202: AAD047A Forward Skirt Accel Axial 225 Deg, Time History

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AAD048A Forward Skirt Accel Tangential 225 Deg, PSD

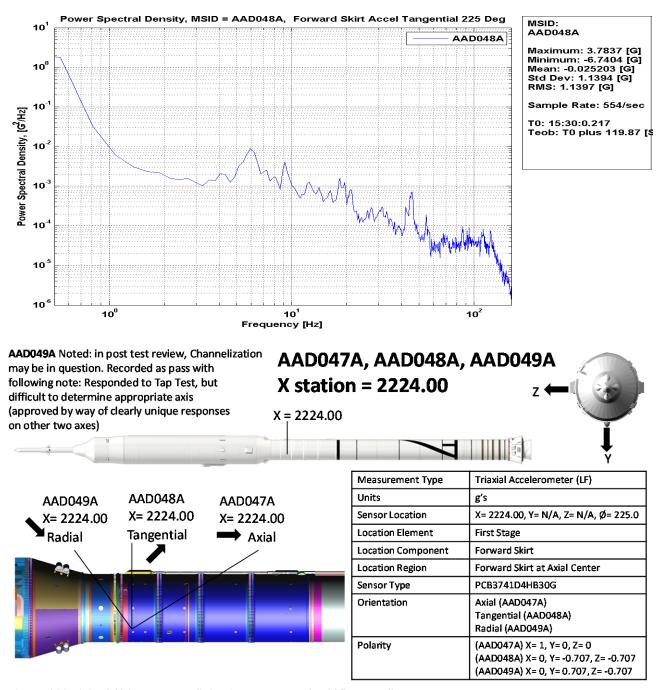


Figure 203: AAD048A Forward Skirt Accel Tangential 225 Deg, PSD

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AAD048A Forward Skirt Accel Tangential 225 Deg, Time History

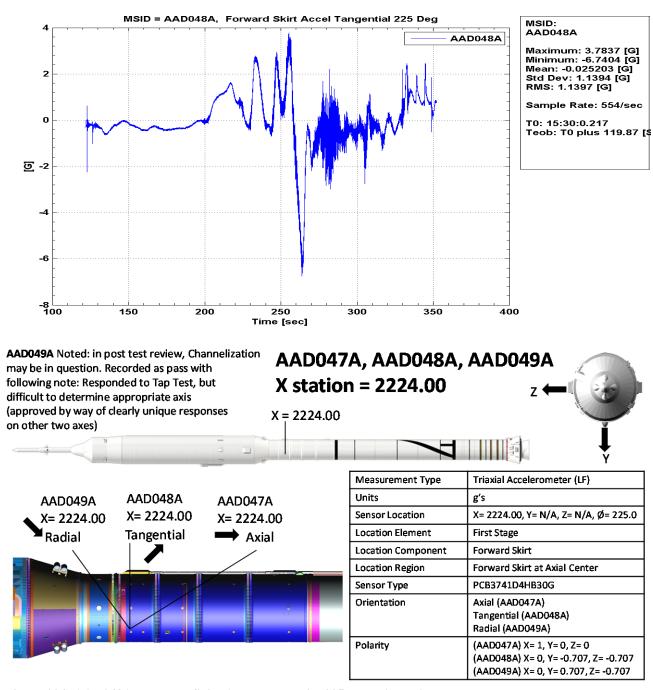


Figure 204: AAD048A Forward Skirt Accel Tangential 225 Deg, Time History

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AAD049A Forward Skirt Accel Radial 225 Deg, PSD

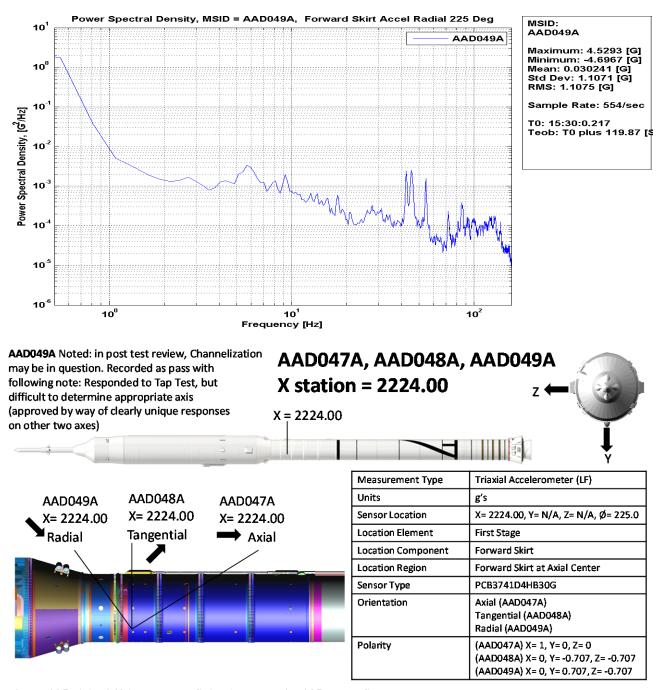


Figure 205: AAD049A Forward Skirt Accel Radial 225 Deg, PSD

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AAD049A Forward Skirt Accel Radial 225 Deg, Time History

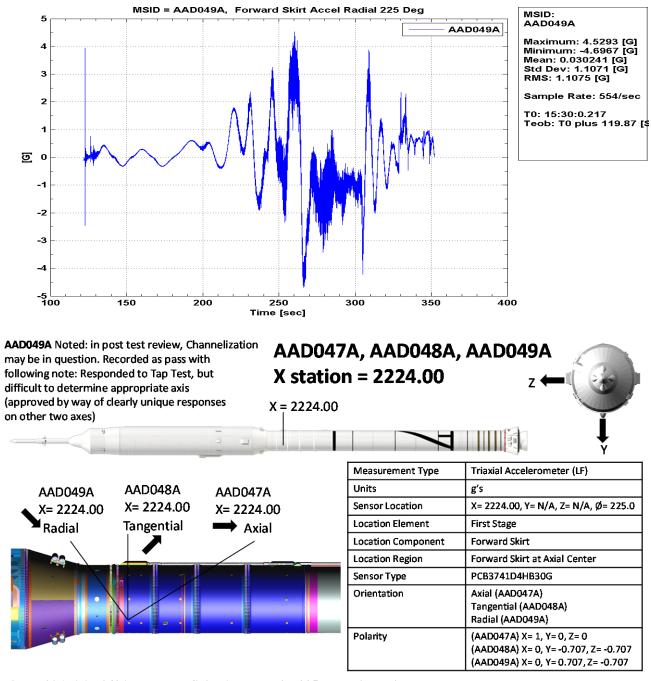


Figure 206: AAD049A Forward Skirt Accel Radial 225 Deg, Time History

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AAD050A Forward Skirt Accel Axial 315 Deg, PSD

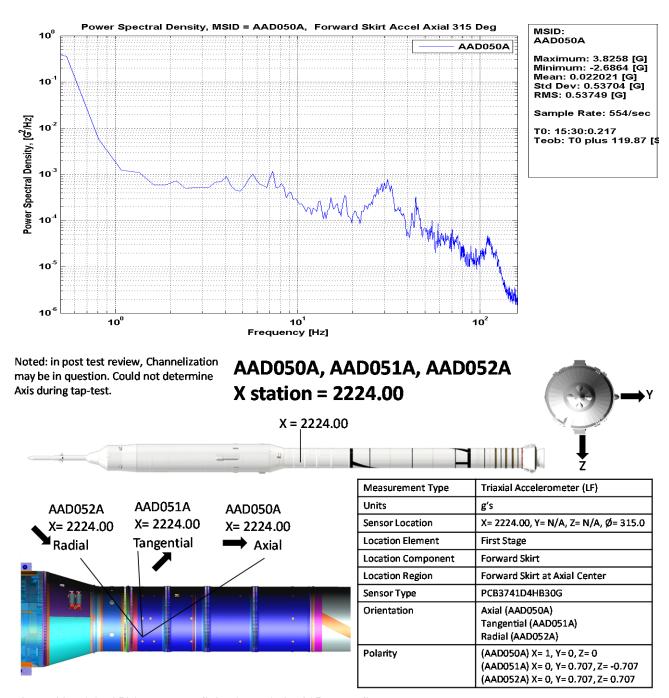


Figure 207: AAD050A Forward Skirt Accel Axial 315 Deg, PSD

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AAD050A Forward Skirt Accel Axial 315 Deg, Time History

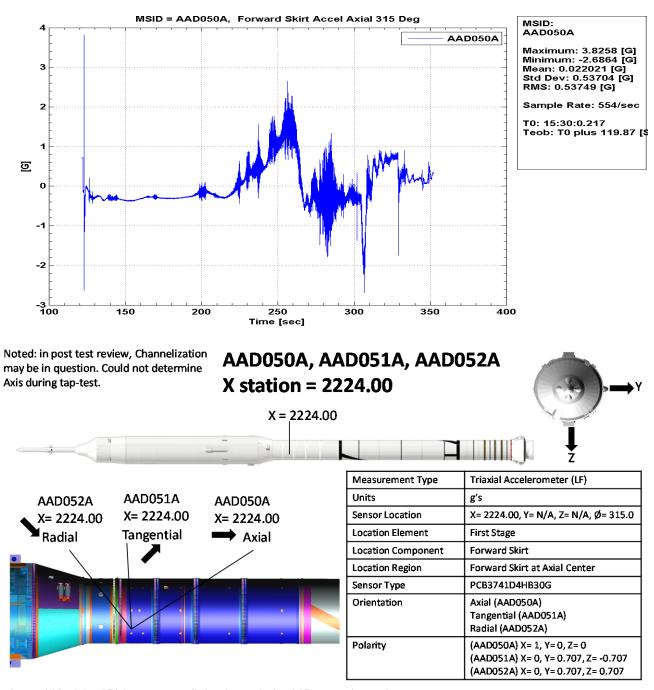


Figure 208: AAD050A Forward Skirt Accel Axial 315 Deg, Time History

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AAD051A Forward Skirt Accel Tangential 315 Deg, PSD

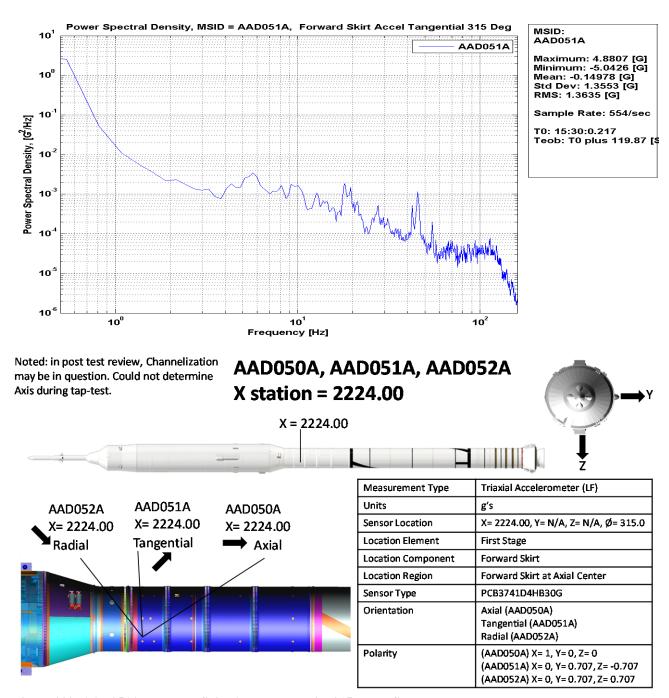


Figure 209: AAD051A Forward Skirt Accel Tangential 315 Deg, PSD

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AAD051A Forward Skirt Accel Tangential 315 Deg, Time History

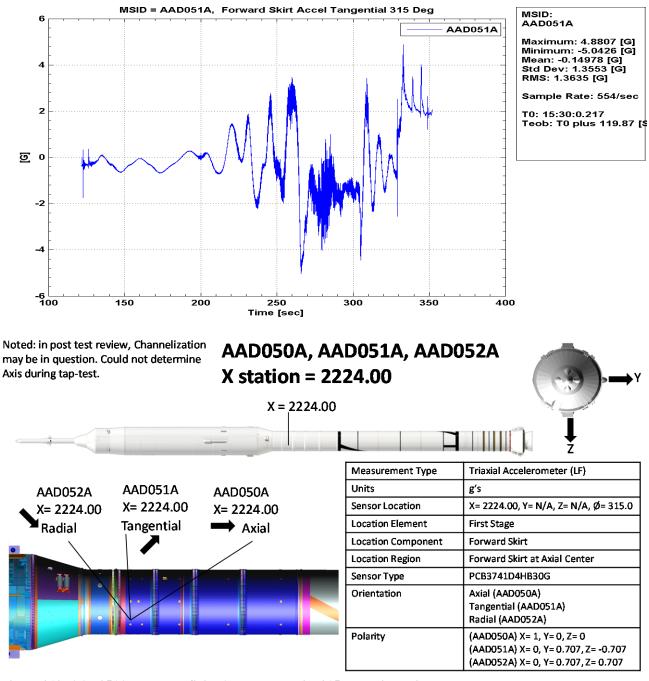


Figure 210: AAD051A Forward Skirt Accel Tangential 315 Deg, Time History

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AAD052A Forward Skirt Accel Radial 315 Deg, PSD

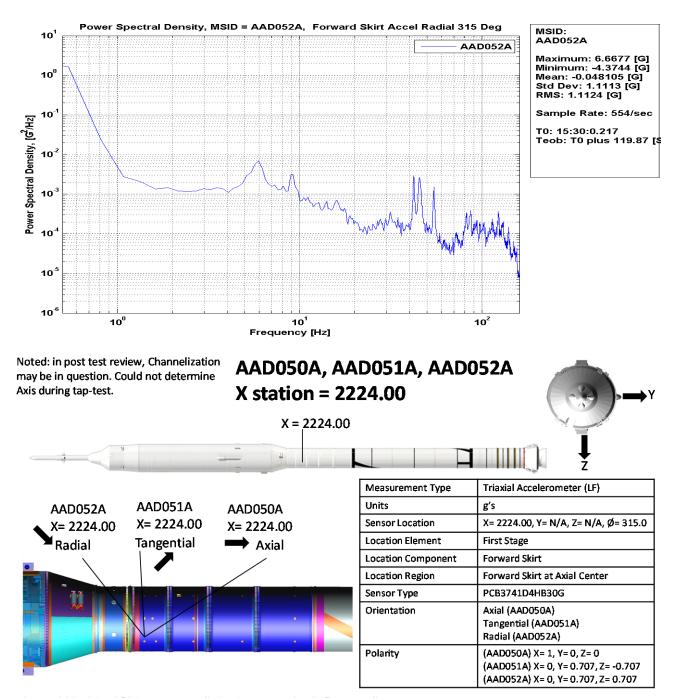


Figure 211: AAD052A Forward Skirt Accel Radial 315 Deg, PSD

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AAD052A Forward Skirt Accel Radial 315 Deg, Time History

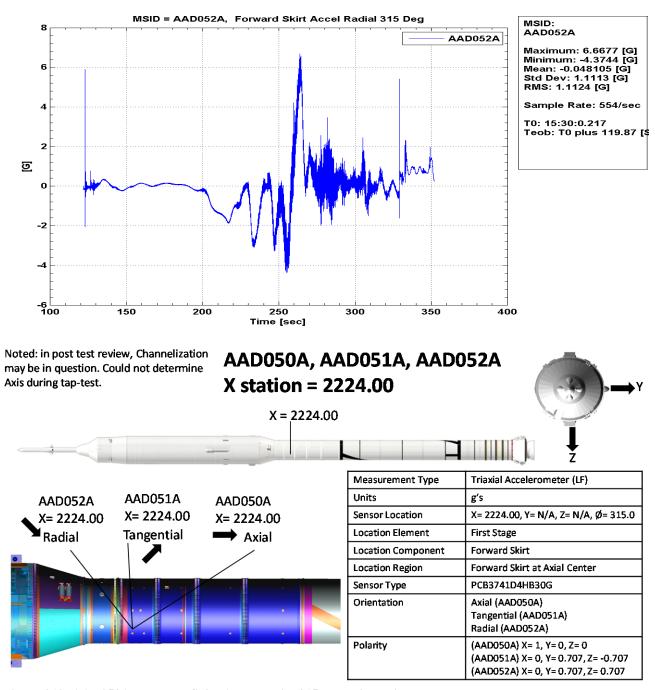


Figure 212: AAD052A Forward Skirt Accel Radial 315 Deg, Time History

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AAD068A Seg 4 Igniter Adaptor Accel Axial, PSD

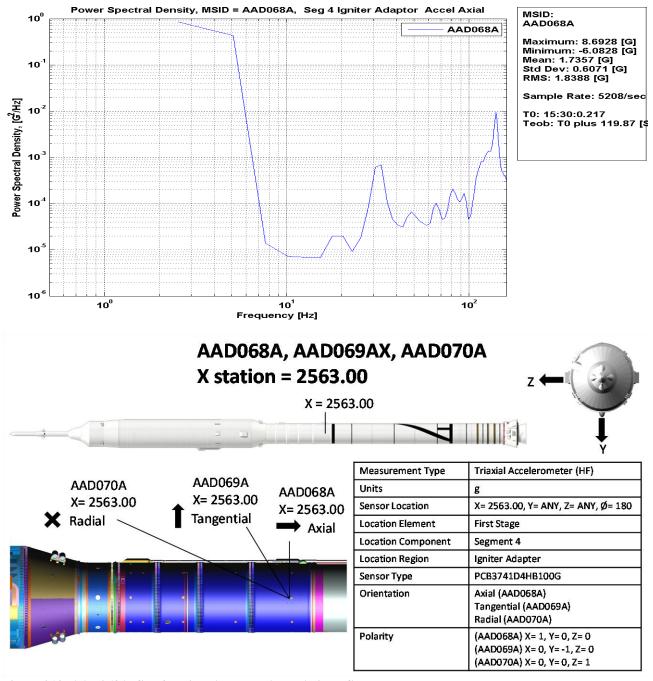


Figure 213: AAD068A Seg 4 Igniter Adaptor Accel Axial, PSD

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AAD068A Seg 4 Igniter Adaptor Accel Axial, Time History

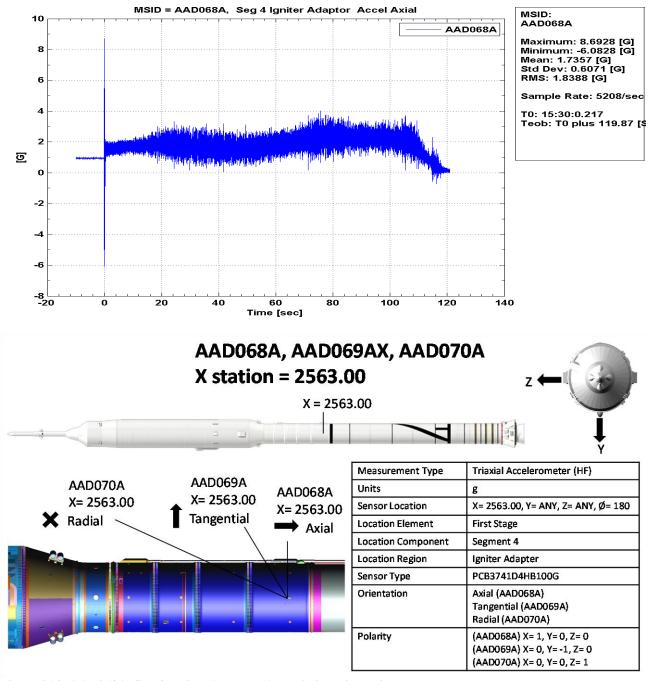


Figure 214: AAD068A Seg 4 Igniter Adaptor Accel Axial, Time History

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AAD069A Seg 4 Igniter Adaptor Accel Tangential, PSD

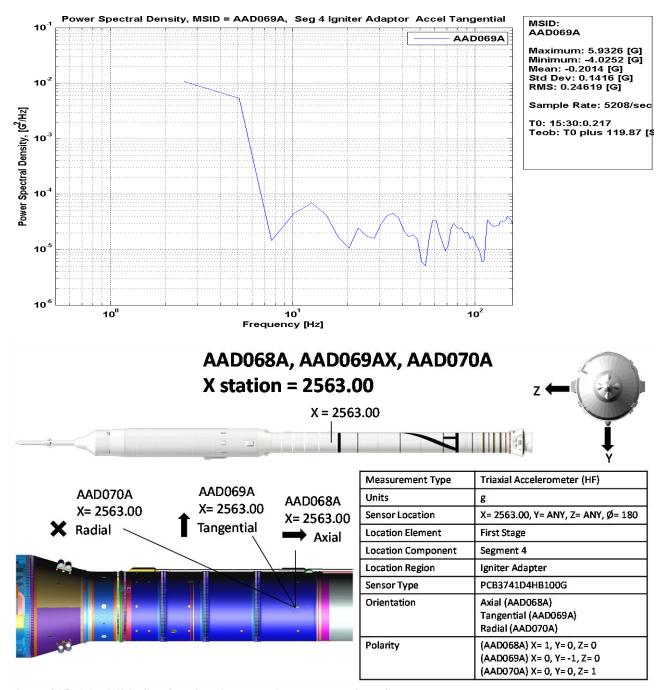


Figure 215: AAD069A Seg 4 Igniter Adaptor Accel Tangential, PSD

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AAD069A Seg 4 Igniter Adaptor Accel Tangential, Time History

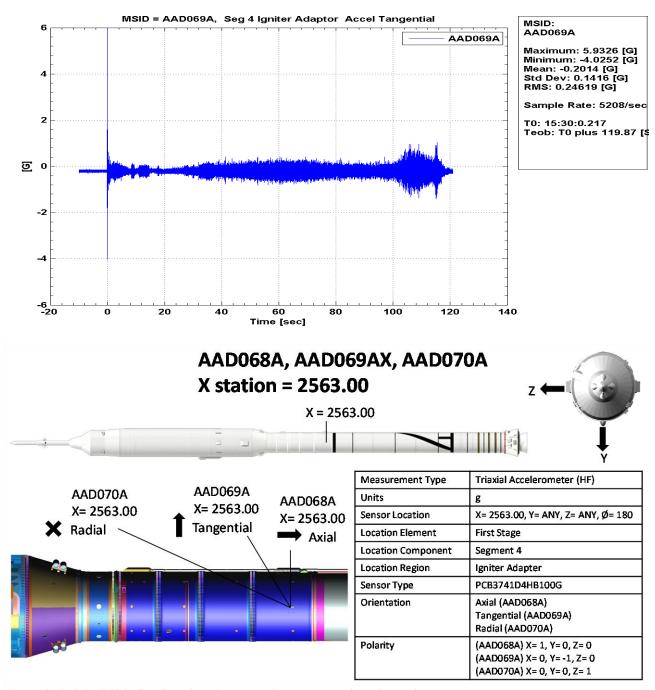


Figure 216: AAD069A Seg 4 Igniter Adaptor Accel Tangential, Time History

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AAD070A Seg 4 Igniter Adaptor Accel Radial, PSD

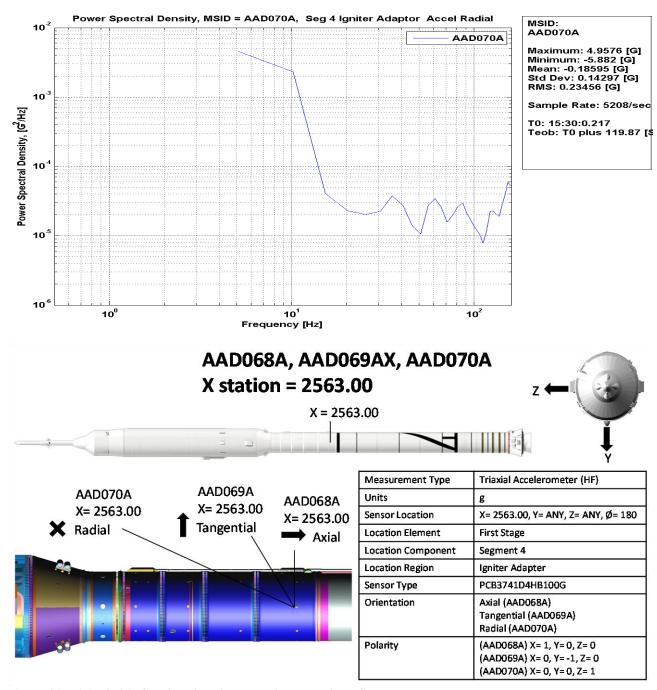


Figure 217: AAD070A Seg 4 Igniter Adaptor Accel Radial, PSD

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AAD070A Seg 4 Igniter Adaptor Accel Radial, Time History

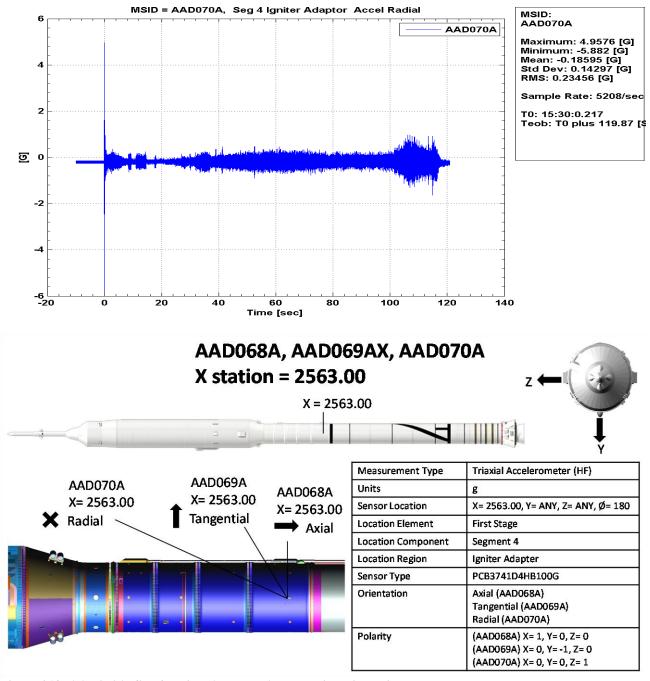


Figure 218: AAD070A Seg 4 Igniter Adaptor Accel Radial, Time History

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AAD071A Nozzle Comp Ring Accel Axial, PSD

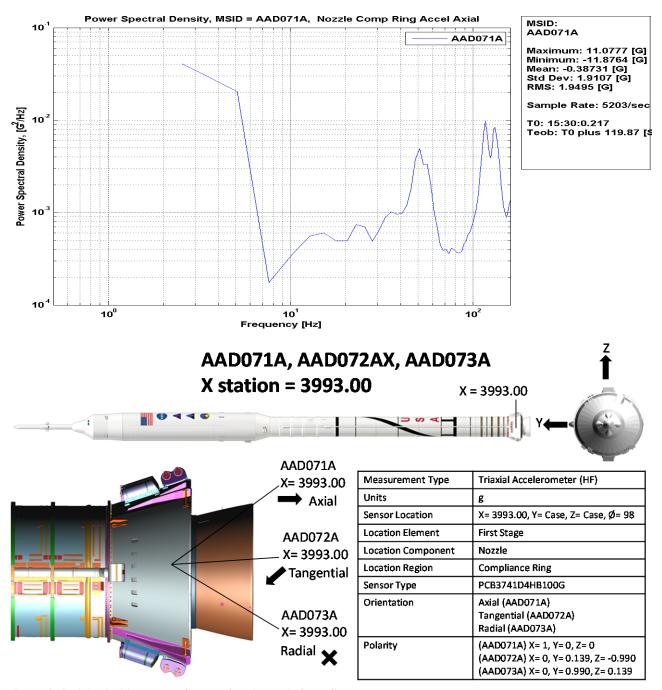


Figure 219: AAD071A Nozzle Comp Ring Accel Axial, PSD

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AAD071A Nozzle Comp Ring Accel Axial, Time History

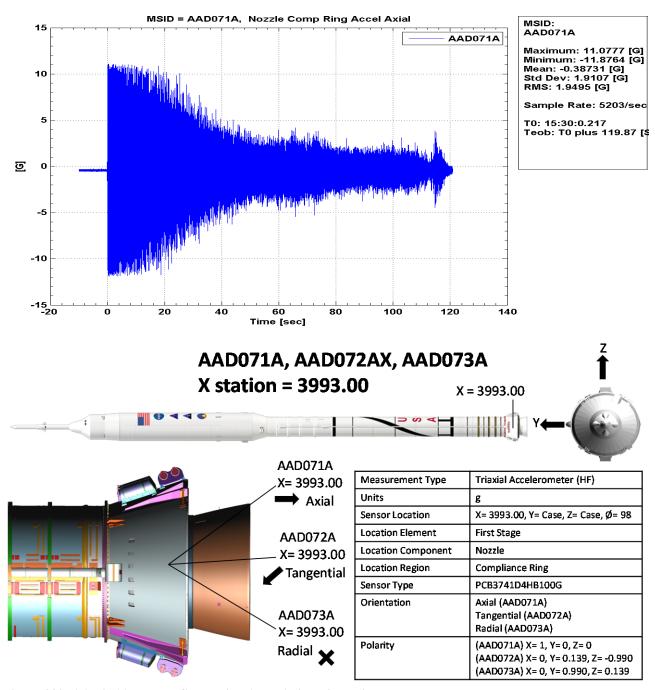


Figure 220: AAD071A Nozzle Comp Ring Accel Axial, Time History

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AAD072A Nozzle Comp Ring Accel Tangential, PSD

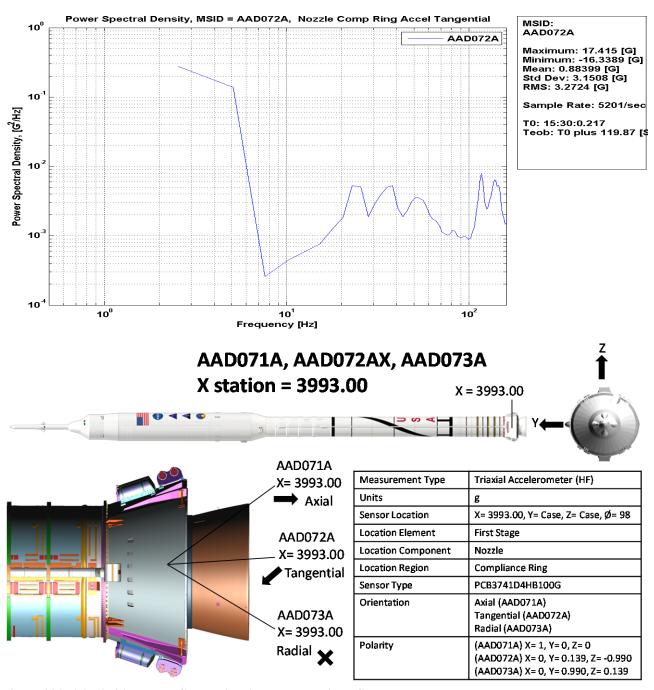


Figure 221: AAD072A Nozzle Comp Ring Accel Tangential, PSD

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AAD072A Nozzle Comp Ring Accel Tangential, Time History

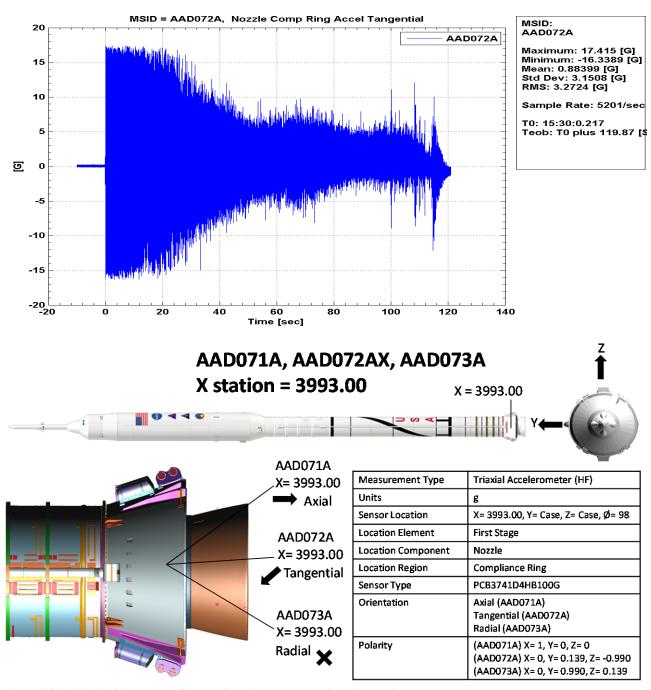


Figure 222: AAD072A Nozzle Comp Ring Accel Tangential, Time History

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AAD073A Nozzle Comp Ring Accel Radial, PSD

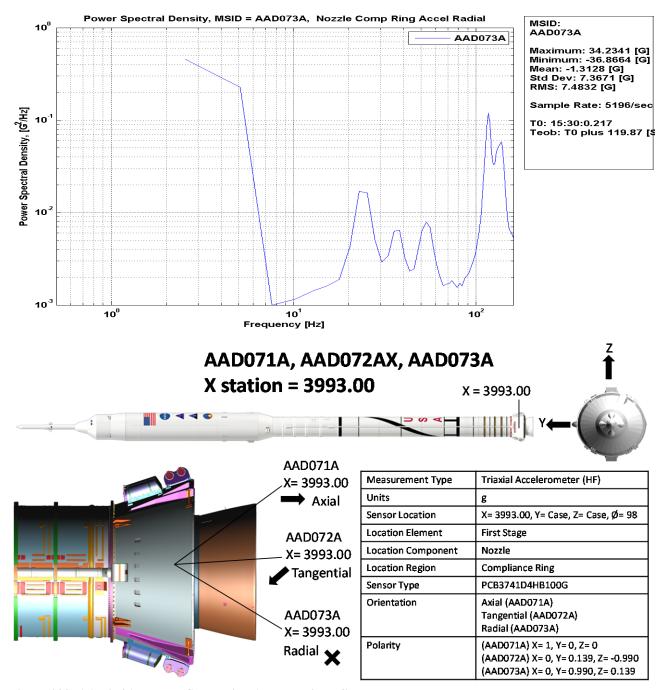


Figure 223: AAD073A Nozzle Comp Ring Accel Radial, PSD

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AAD073A Nozzle Comp Ring Accel Radial, Time History

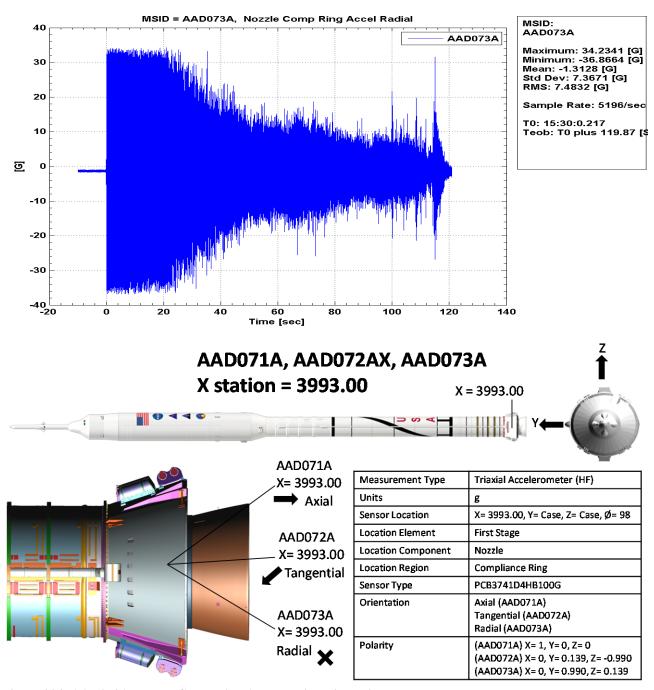
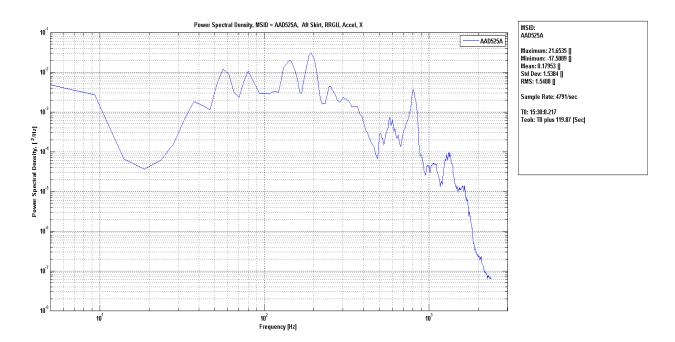


Figure 224: AAD073A Nozzle Comp Ring Accel Radial, Time History

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AAD525A Aft Skirt, RRGU, Accel, X, PSD

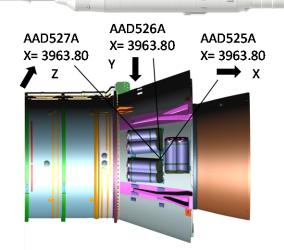


Difficult to determine if Channel was swapped with 526A and 527A. Avionics to review First Stage Liveliness Testing.

DXCB Directive CR-AIX-DXCB-0015: use As-Is

AAD525A, AAD526A, AAD527A X station = 3963.80 x = 3963.80 z





(AAD526A,AAD527A) No Response during Test Flight

Measurement Type	Accelerometer (HF)
Units	g
Sensor Location	X= 3963.80, Y= 55.90, Z= -43.80, Ø= N/A
Location Element	First Stage
Location Component	Aft Skirt
Location Region	Foot of RRGU
Sensor Type	PCB3741D4HB100G
Orientation	X (AKD525A)
	Y (AKD526A)
	Z (AKD527A)

Figure 225: AAD525A Aft Skirt, RRGU, Accel, X, PSD

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AAD525A Aft Skirt, RRGU, Accel, X, Time History

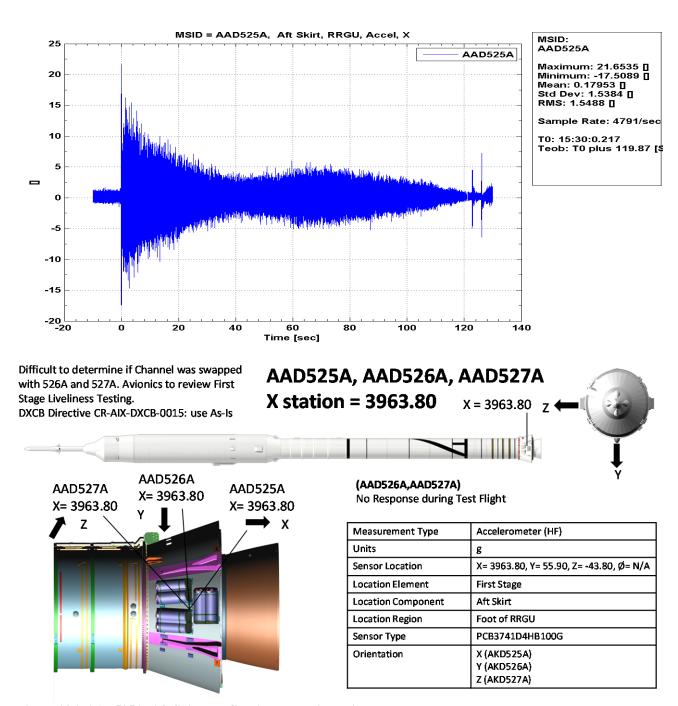
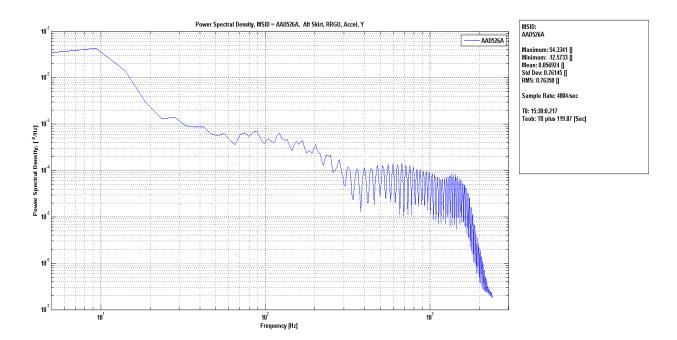


Figure 226: AAD525A Aft Skirt, RRGU, Accel, X, Time History

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AAD526A Aft Skirt, RRGU, Accel, Y, PSD

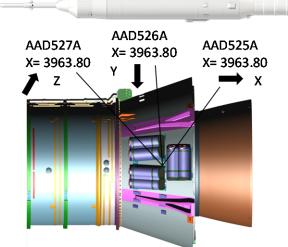


Difficult to determine if Channel was swapped with 526A and 527A. Avionics to review First Stage Liveliness Testing.

DXCB Directive CR-AIX-DXCB-0015: use As-Is

AAD525A, AAD526A, AAD527A X station = 3963.80 x = 3963.80 z





(AAD526A,AAD527A) No Response during Test Flight

Measurement Type	Accelerometer (HF)
Units	g
Sensor Location	X= 3963.80, Y= 55.90, Z= -43.80, Ø= N/A
Location Element	First Stage
Location Component	Aft Skirt
Location Region	Foot of RRGU
Sensor Type	PCB3741D4HB100G
Orientation	X (AKD525A)
	Y (AKD526A)
	Z (AKD527A)

Figure 227: AAD526A Aft Skirt, RRGU, Accel, Y, PSD

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AAD526A Aft Skirt, RRGU, Accel, Y, Time History

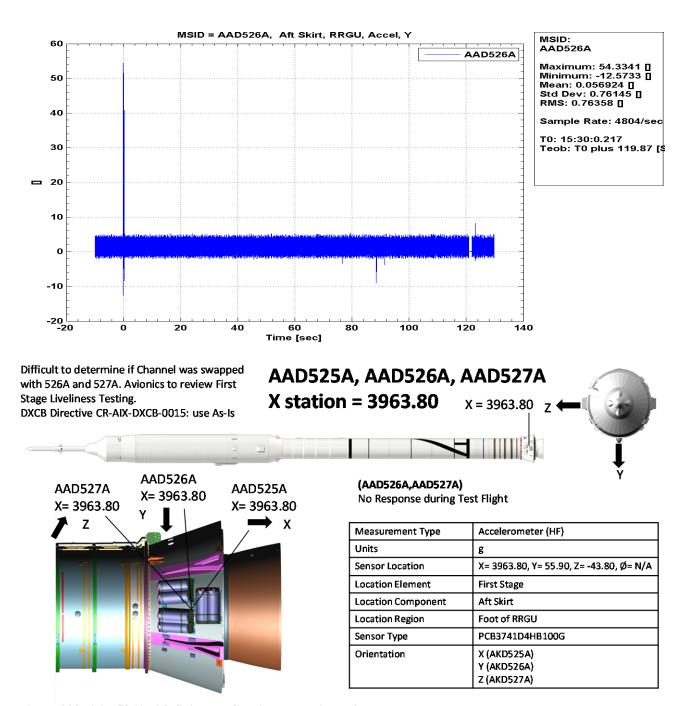
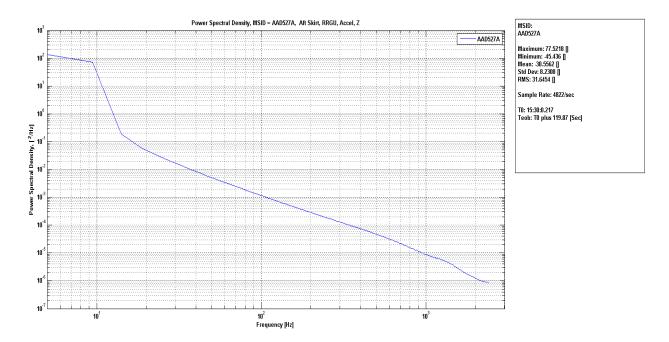


Figure 228: AAD526A Aft Skirt, RRGU, Accel, Y, Time History

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AAD527A Aft Skirt, RRGU, Accel, Z, PSD

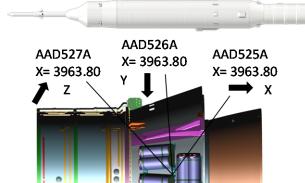


Difficult to determine if Channel was swapped with 526A and 527A. Avionics to review First Stage Liveliness Testing.

DXCB Directive CR-AIX-DXCB-0015: use As-Is

AAD525A, AAD526A, AAD527A X station = 3963.80 x = 3963.80 :





(AAD526A,AAD527A) No Response during Test Flight

Measurement Type	Accelerometer (HF)
Units	g
Sensor Location	X= 3963.80, Y= 55.90, Z= -43.80, Ø= N/A
Location Element	First Stage
Location Component	Aft Skirt
Location Region	Foot of RRGU
Sensor Type	PCB3741D4HB100G
Orientation	X (AKD525A) Y (AKD526A) Z (AKD527A)

Figure 229: AAD527A Aft Skirt, RRGU, Accel, Z, PSD

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AAD527A Aft Skirt, RRGU, Accel, Z, Time History

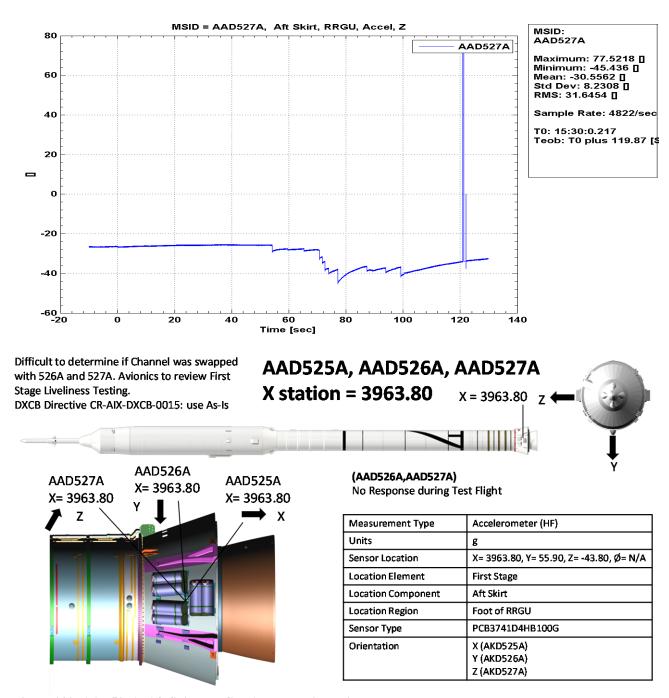


Figure 230: AAD527A Aft Skirt, RRGU, Accel, Z, Time History

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AKD521A FSAM, Foot of MDAU, Accel, PSD

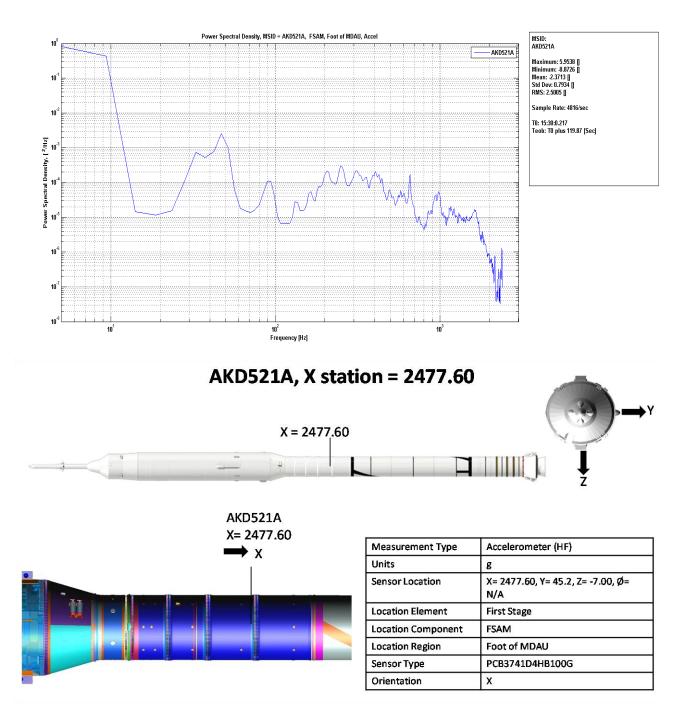


Figure 231: AKD521A FSAM, Foot of MDAU, Accel, PSD

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AKD521A FSAM, Foot of MDAU, Accel, Time History

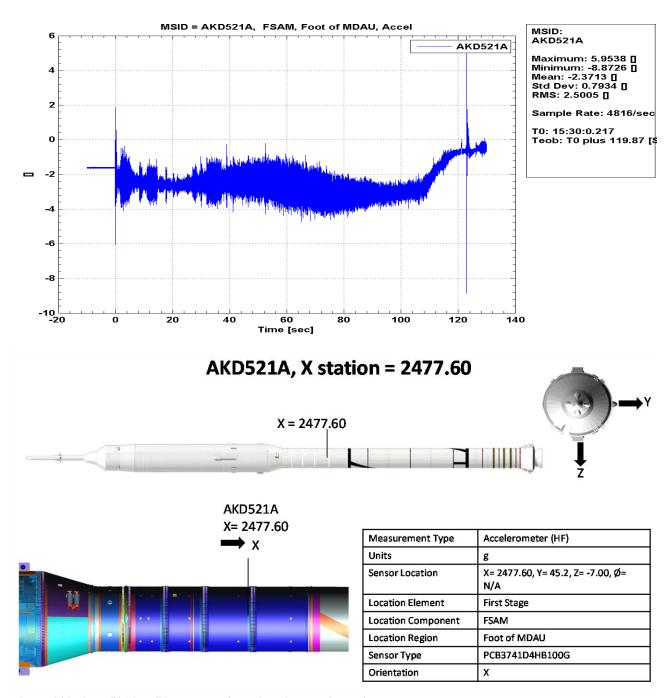
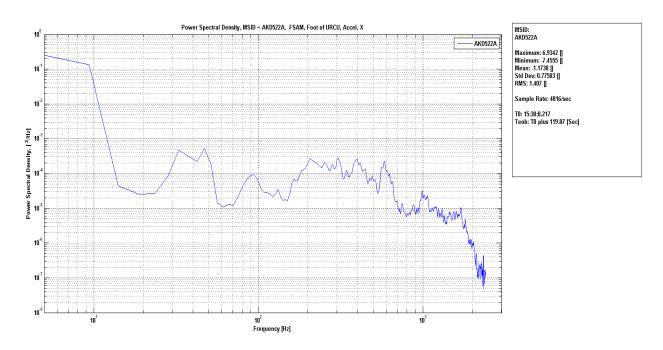


Figure 232: AKD521A FSAM, Foot of MDAU, Accel, Time History

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AKD522A FSAM, Foot of URCU, Accel, X, PSD



AKD522A Failed OTR Ambient Count Value(1975). After Testing 2010 Count Value recorded.

DXCB Directive: Avionics to make Software Adjustment if required X station = 2479.45 (Verify Ambient Value During LVRT) or use As-Is.

AKD522A, AKD523A, AKD524A X station = 2479.45

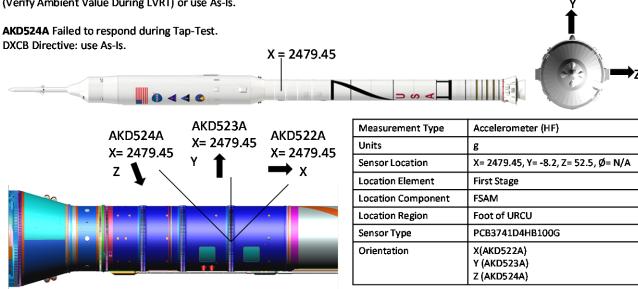


Figure 233: AKD522A FSAM, Foot of URCU, Accel, X, PSD

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AKD522A FSAM, Foot of URCU, Accel, X, Time History

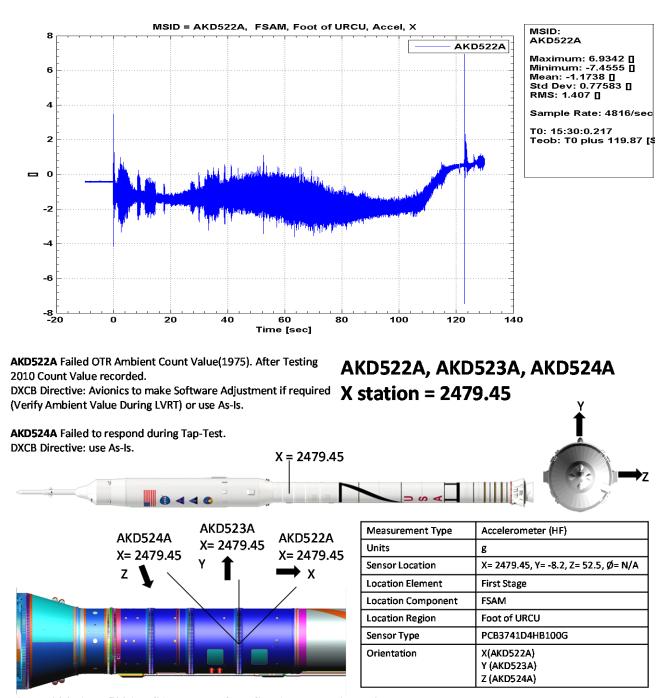
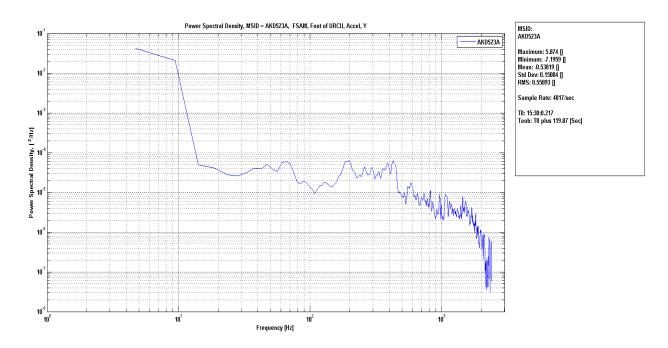


Figure 234: AKD522A FSAM, Foot of URCU, Accel, X, Time History

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AKD523A FSAM, Foot of URCU, Accel, Y, PSD



AKD522A Failed OTR Ambient Count Value(1975). After Testing 2010 Count Value recorded.

DXCB Directive: Avionics to make Software Adjustment if required X station = 2479.45 (Verify Ambient Value During LVRT) or use As-Is.

AKD522A, AKD523A, AKD524A X station = 2479.45

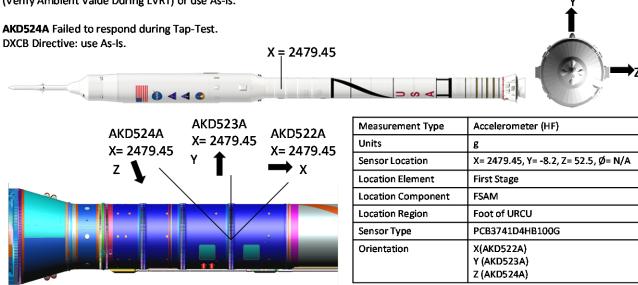


Figure 235: AKD523A FSAM, Foot of URCU, Accel, Y, PSD

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AKD523A FSAM, Foot of URCU, Accel, Y, Time History

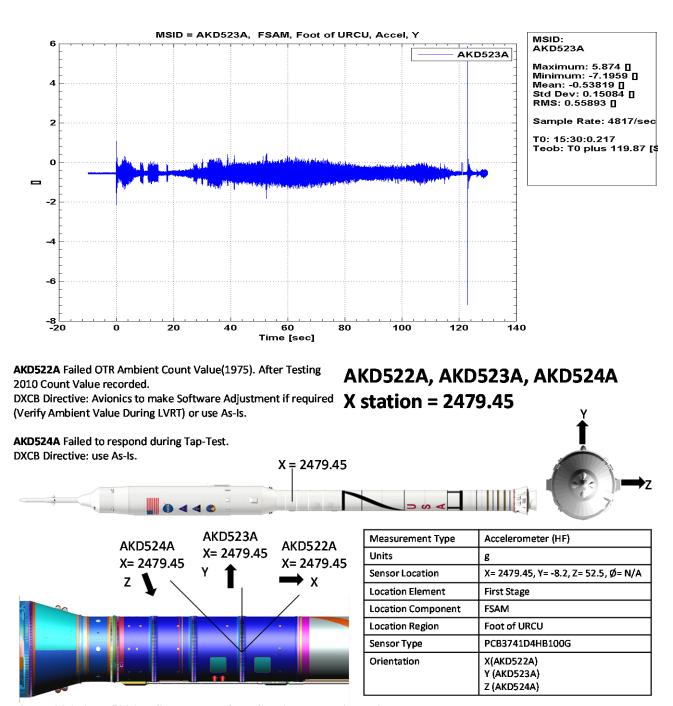
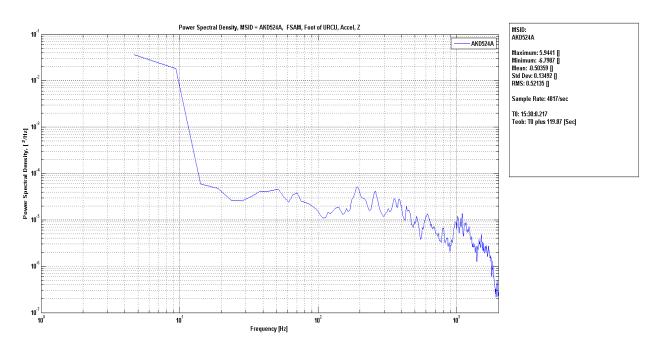


Figure 236: AKD523A FSAM, Foot of URCU, Accel, Y, Time History

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AKD524A FSAM, Foot of URCU, Accel, Z, PSD



AKD522A Failed OTR Ambient Count Value(1975). After Testing 2010 Count Value recorded.

DXCB Directive: Avionics to make Software Adjustment if required X station = 2479.45 (Verify Ambient Value During LVRT) or use As-Is.

AKD522A, AKD523A, AKD524A Y station = 2479.45

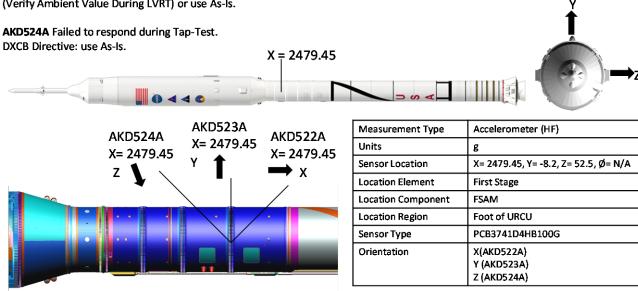


Figure 237: AKD524A FSAM, Foot of URCU, Accel, Z, PSD

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AKD524A FSAM, Foot of URCU, Accel, Z, Time History

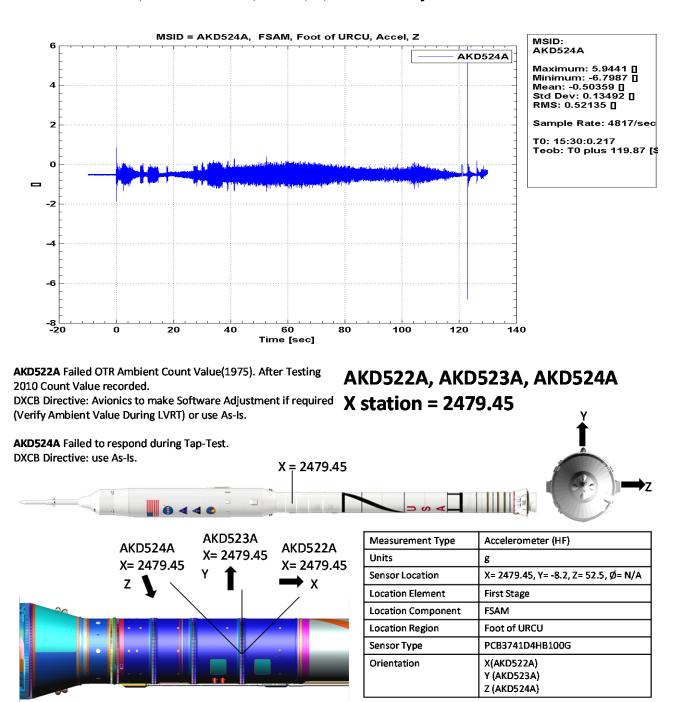


Figure 238: AKD524A FSAM, Foot of URCU, Accel, Z, Time History

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ACCELEROMETERS: OTHER/GNC

AKD543A FS INU/SIGI Acceleration X, PSD

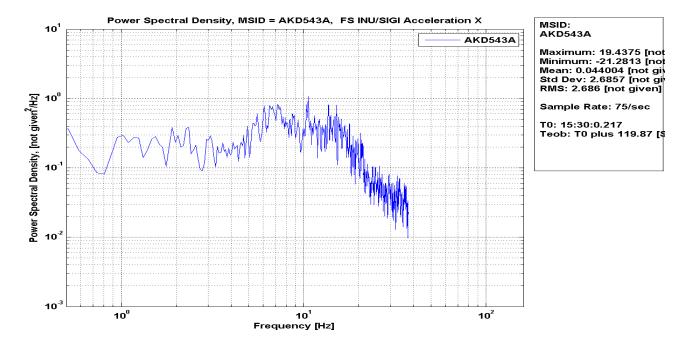


Figure 239: AKD543A FS INU/SIGI Acceleration X, PSD

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AKD543A FS INU/SIGI Acceleration X, Time History

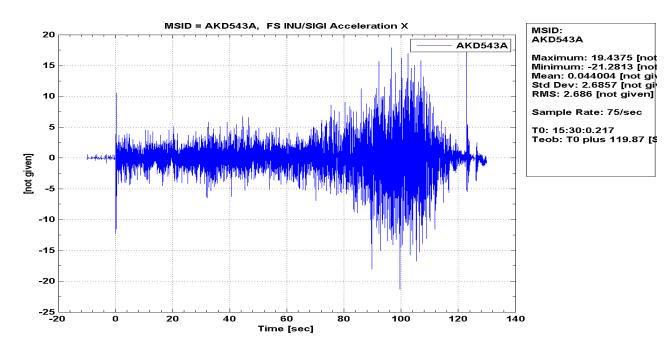


Figure 240: AKD543A FS INU/SIGI Acceleration X, Time History

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AKD544A FS INU/SIGI Acceleration Y, PSD

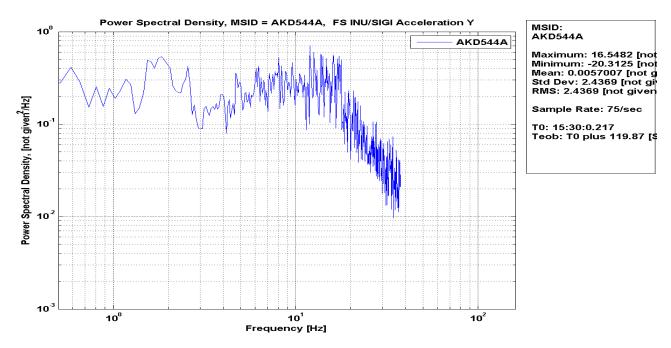


Figure 241: AKD544A FS INU/SIGI Acceleration Y, PSD

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AKD544A FS INU/SIGI Acceleration Y, Time History

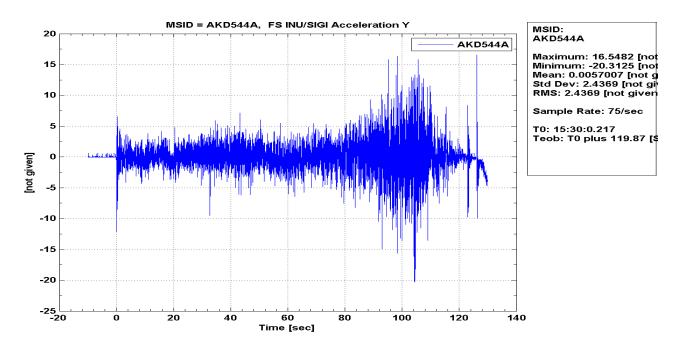


Figure 242: AKD544A FS INU/SIGI Acceleration Y, Time History

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AKD545A FS INU/SIGI Acceleration -Z, PSD

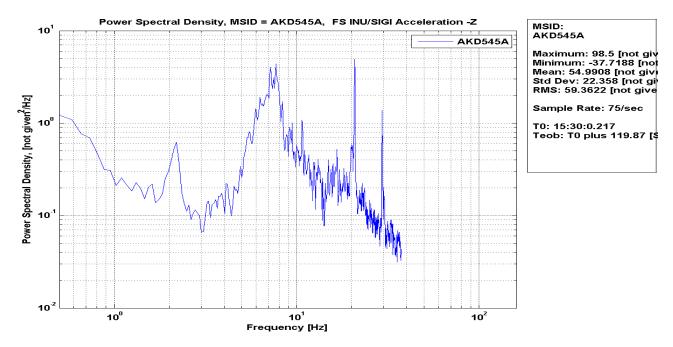


Figure 243: AKD545A FS INU/SIGI Acceleration -Z, PSD

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AKD545A FS INU/SIGI Acceleration -Z, Time History

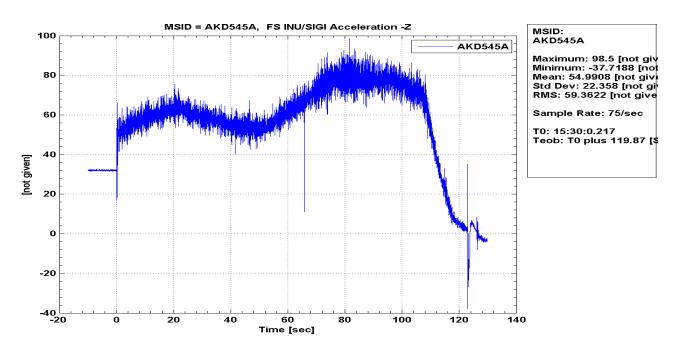


Figure 244: AKD545A FS INU/SIGI Acceleration -Z, Time History

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ACCELEROMETERS: GROUND MEASUREMENTS

KCTDJ001A CT, Corner A, Base of JEL Cylinder, X Accel, Rollout, PSD

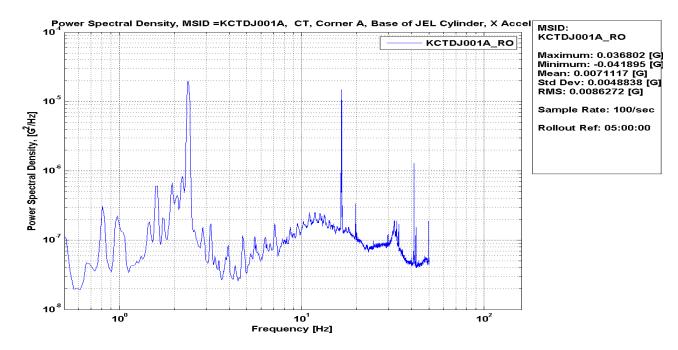


Figure 245: KCTDJ001A CT, Corner A, Base of JEL Cylinder, X Accel, Rollout, PSD

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KCTDJ001A CT, Corner A, Base of JEL Cylinder, X Accel , Rollout, Time History

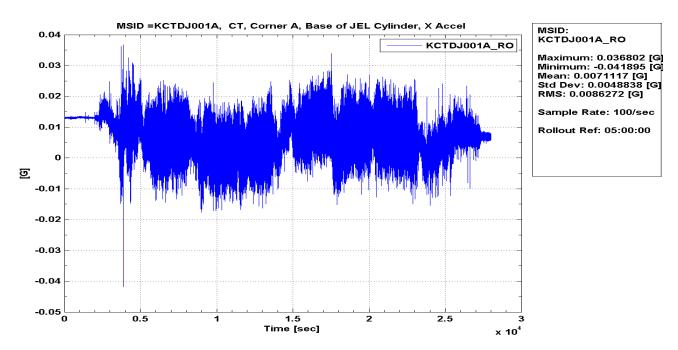


Figure 246: KCTDJ001A CT, Corner A, Base of JEL Cylinder, X Accel, Rollout, Time History

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KCTDJ002A CT, Corner A, Base of JEL Cylinder, Y Accel, Rollout, PSD

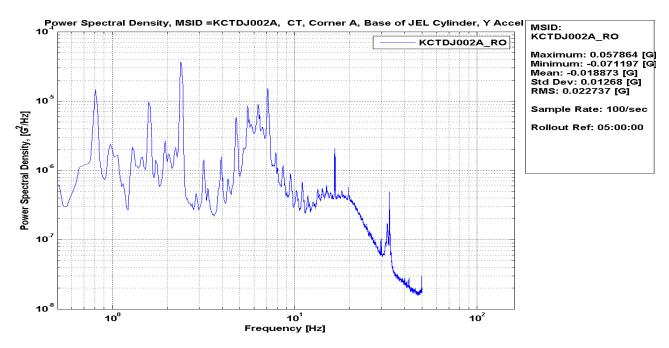


Figure 247: KCTDJ002A CT, Corner A, Base of JEL Cylinder, Y Accel, Rollout, PSD

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KCTDJ002A CT, Corner A, Base of JEL Cylinder, Y Accel, Rollout, Time History

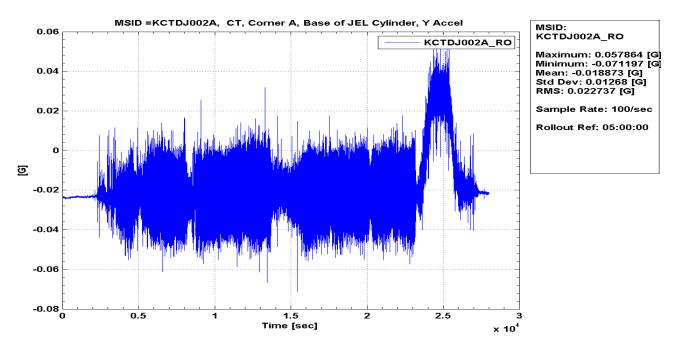


Figure 248: KCTDJ002A CT, Corner A, Base of JEL Cylinder, Y Accel, Rollout, Time History

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KCTDJ003A CT, Corner A, Base of JEL Cylinder, Z Accel, Rollout, PSD

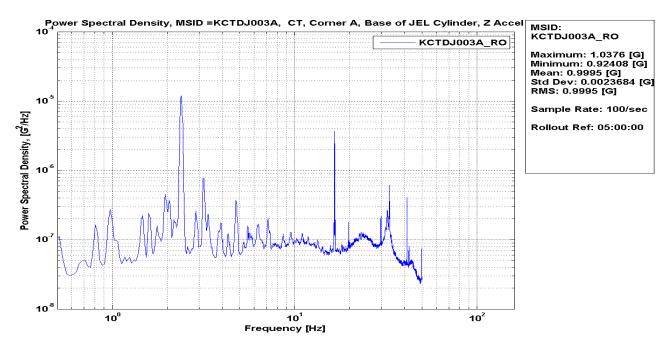


Figure 249: KCTDJ003A CT, Corner A, Base of JEL Cylinder, Z Accel, Rollout, PSD

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KCTDJ003A CT, Corner A, Base of JEL Cylinder, Z Accel, Rollout, Time History

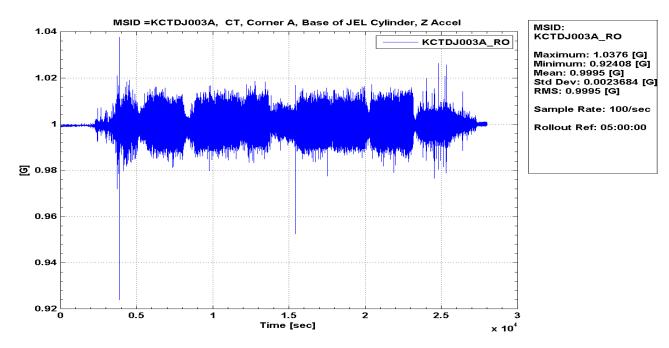


Figure 250: KCTDJ003A CT, Corner A, Base of JEL Cylinder, Z Accel, Rollout, Time History

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KCTDJ007A CT, Corner B, Base of JEL Cylinder, X Accel, Rollout, PSD

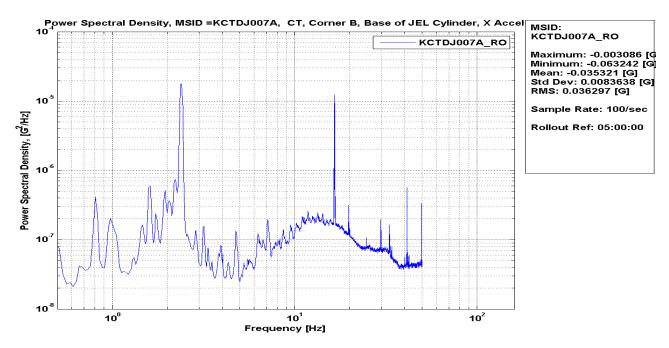


Figure 251: KCTDJ007A CT, Corner B, Base of JEL Cylinder, X Accel, Rollout, PSD

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KCTDJ007A CT, Corner B, Base of JEL Cylinder, X Accel , Rollout, Time History

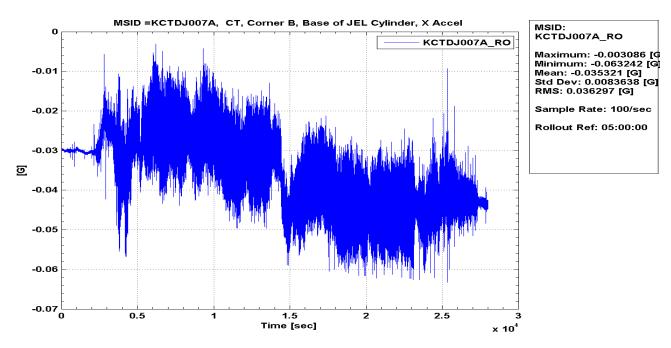


Figure 252: KCTDJ007A CT, Corner B, Base of JEL Cylinder, X Accel, Rollout, Time History

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KCTDJ008A CT, Corner B, Base of JEL Cylinder, Y Accel, Rollout, PSD

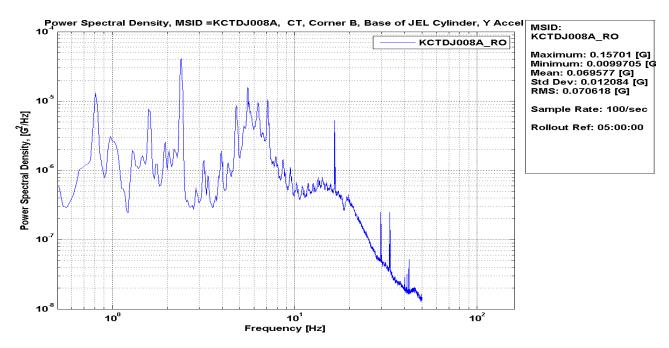


Figure 253: KCTDJ008A CT, Corner B, Base of JEL Cylinder, Y Accel, Rollout, PSD

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KCTDJ008A CT, Corner B, Base of JEL Cylinder, Y Accel, Rollout, Time History

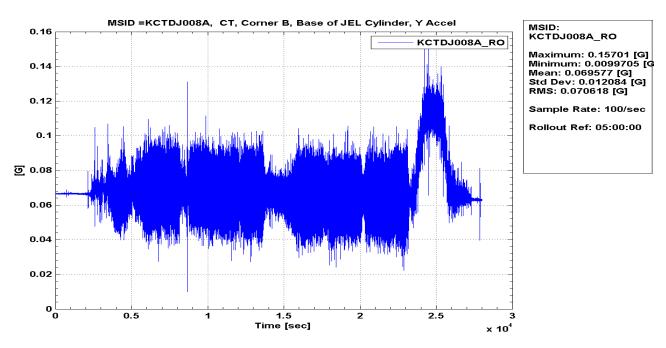


Figure 254: KCTDJ008A CT, Corner B, Base of JEL Cylinder, Y Accel, Rollout, Time History

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KCTDJ009A CT, Corner B, Base of JEL Cylinder, Z Accel, Rollout, PSD

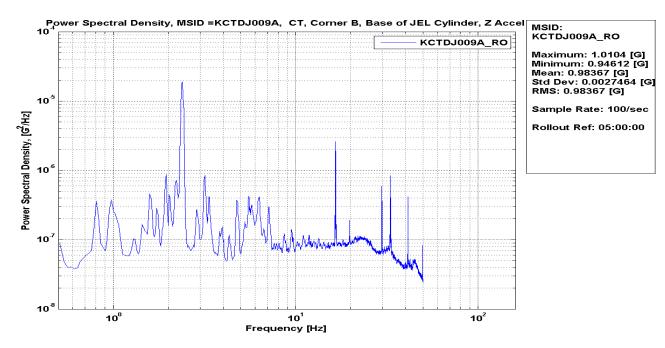


Figure 255: KCTDJ009A CT, Corner B, Base of JEL Cylinder, Z Accel, Rollout, PSD

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KCTDJ009A CT, Corner B, Base of JEL Cylinder, Z Accel, Rollout, Time History

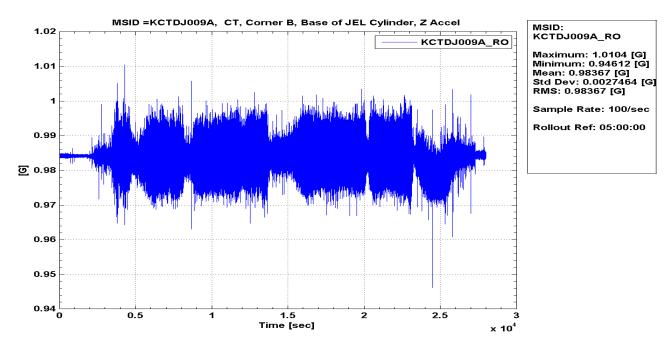


Figure 256: KCTDJ009A CT, Corner B, Base of JEL Cylinder, Z Accel, Rollout, Time History

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KCTDJ013A CT, Corner C, Base of JEL Cylinder, X Accel, Rollout, PSD

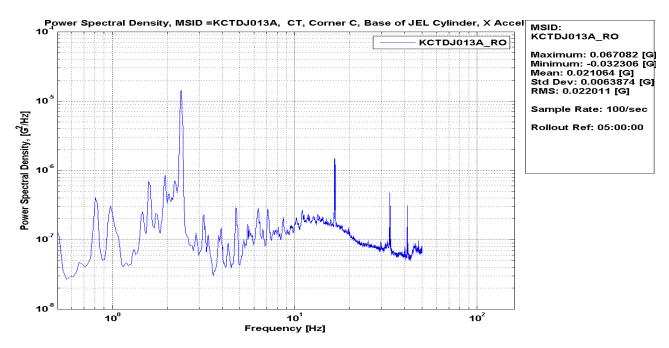


Figure 257: KCTDJ013A CT, Corner C, Base of JEL Cylinder, X Accel, Rollout, PSD

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KCTDJ013A CT, Corner C, Base of JEL Cylinder, X Accel , Rollout, Time History

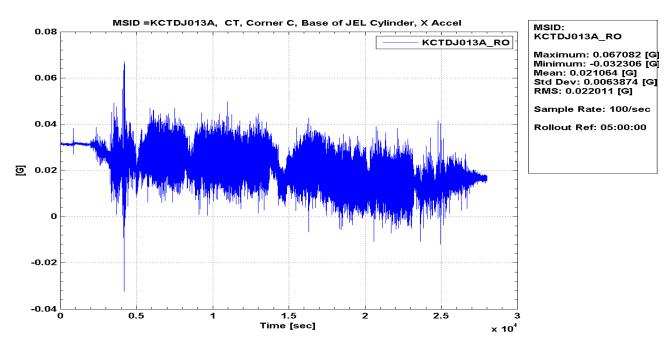


Figure 258: KCTDJ013A CT, Corner C, Base of JEL Cylinder, X Accel, Rollout, Time History

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KCTDJ014A CT, Corner C, Base of JEL Cylinder, Y Accel, Rollout, PSD

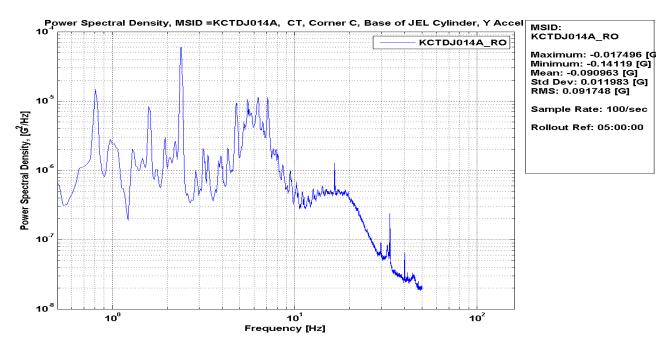


Figure 259: KCTDJ014A CT, Corner C, Base of JEL Cylinder, Y Accel, Rollout, PSD

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KCTDJ014A CT, Corner C, Base of JEL Cylinder, Y Accel , Rollout, Time History

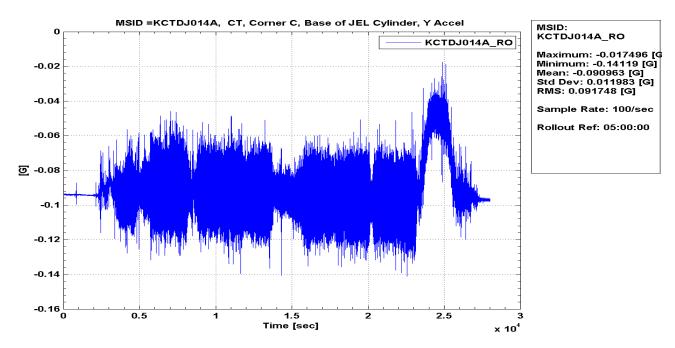


Figure 260: KCTDJ014A CT, Corner C, Base of JEL Cylinder, Y Accel, Rollout, Time History

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KCTDJ015A CT, Corner C, Base of JEL Cylinder, Z Accel, Rollout, PSD

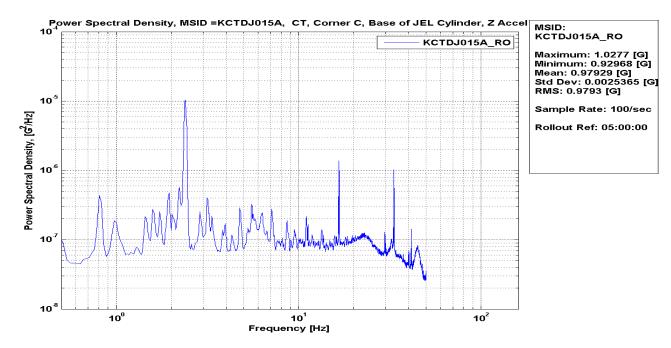


Figure 261: KCTDJ015A CT, Corner C, Base of JEL Cylinder, Z Accel, Rollout, PSD

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KCTDJ015A CT, Corner C, Base of JEL Cylinder, Z Accel , Rollout, Time History

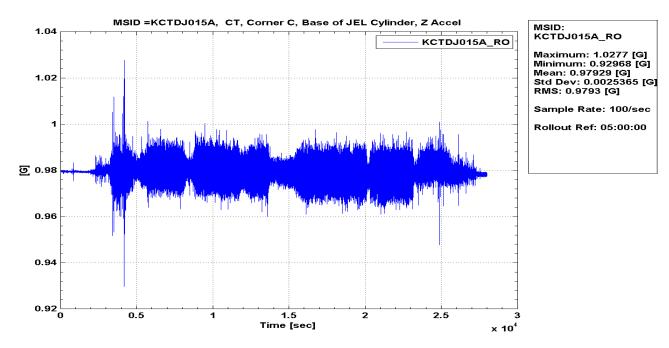


Figure 262: KCTDJ015A CT, Corner C, Base of JEL Cylinder, Z Accel, Rollout, Time History

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KCTDJ019A CT, Corner D, Base of JEL Cylinder, X Accel, Rollout, PSD

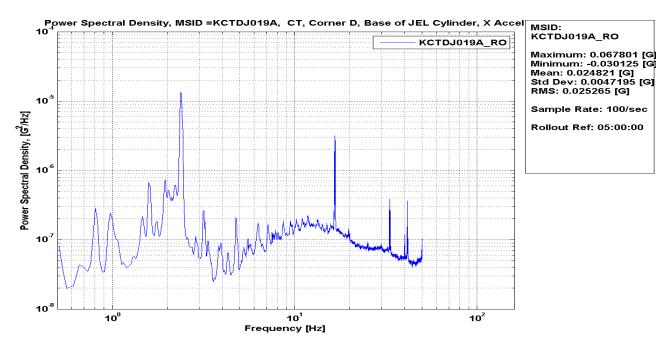


Figure 263: KCTDJ019A CT, Corner D, Base of JEL Cylinder, X Accel, Rollout, PSD

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KCTDJ019A CT, Corner D, Base of JEL Cylinder, X Accel , Rollout, Time History

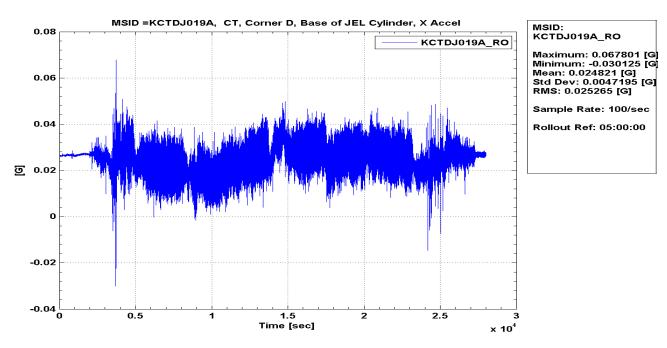


Figure 264: KCTDJ019A CT, Corner D, Base of JEL Cylinder, X Accel, Rollout, Time History

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KCTDJ020A CT, Corner D, Base of JEL Cylinder, Y Accel, Rollout, PSD

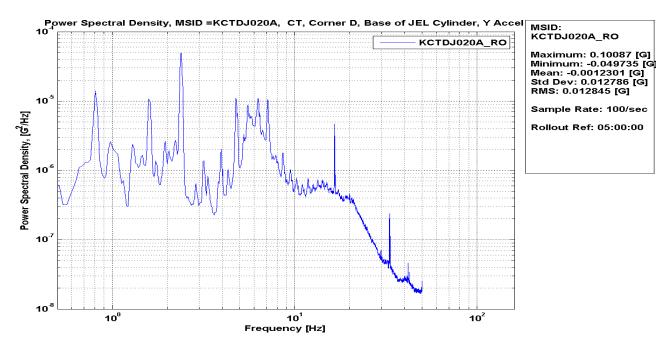


Figure 265: KCTDJ020A CT, Corner D, Base of JEL Cylinder, Y Accel, Rollout, PSD

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KCTDJ020A CT, Corner D, Base of JEL Cylinder, Y Accel, Rollout, Time History

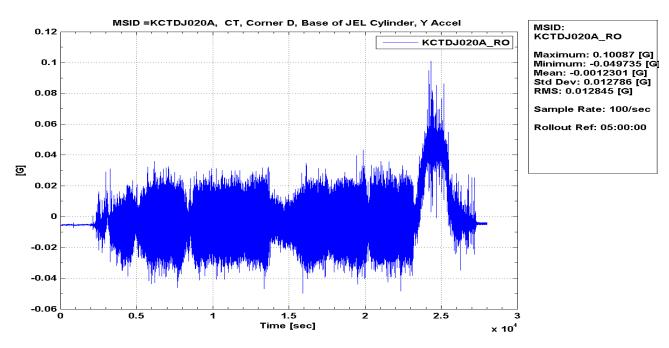


Figure 266: KCTDJ020A CT, Corner D, Base of JEL Cylinder, Y Accel, Rollout, Time History

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KCTDJ021A CT, Corner D, Base of JEL Cylinder, Z Accel, Rollout, PSD

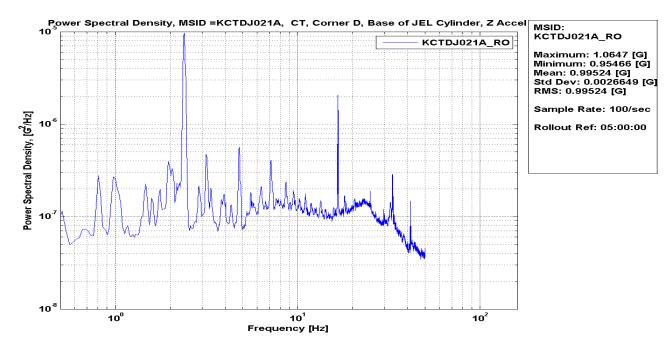


Figure 267: KCTDJ021A CT, Corner D, Base of JEL Cylinder, Z Accel, Rollout, PSD

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KCTDJ021A CT, Corner D, Base of JEL Cylinder, Z Accel, Rollout, Time History

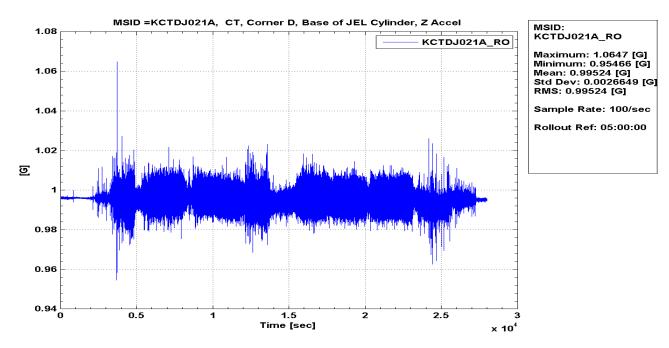


Figure 268: KCTDJ021A CT, Corner D, Base of JEL Cylinder, Z Accel, Rollout, Time History

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KMSDF013A HDP-5 Top of SRB Shoe (X), Rollout, PSD

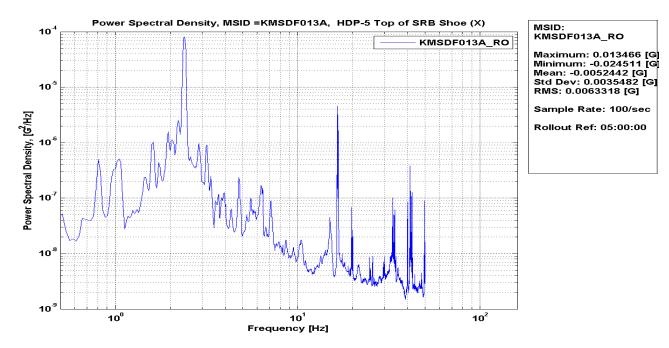


Figure 269: KMSDF013A HDP-5 Top of SRB Shoe (X), Rollout, PSD

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KMSDF013A HDP-5 Top of SRB Shoe (X), Rollout, Time History

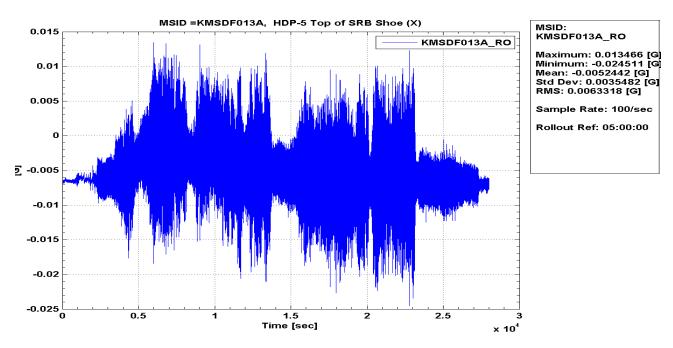


Figure 270: KMSDF013A HDP-5 Top of SRB Shoe (X), Rollout, Time History

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KMSDF014A HDP-5 Top of SRB Shoe (Y), Rollout, PSD

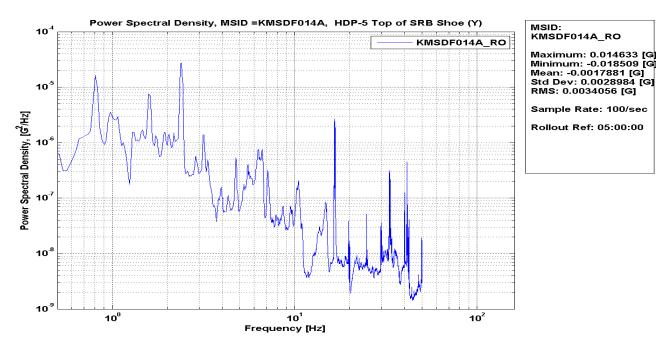


Figure 271: KMSDF014A HDP-5 Top of SRB Shoe (Y), Rollout, PSD

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KMSDF014A HDP-5 Top of SRB Shoe (Y), Rollout, Time History

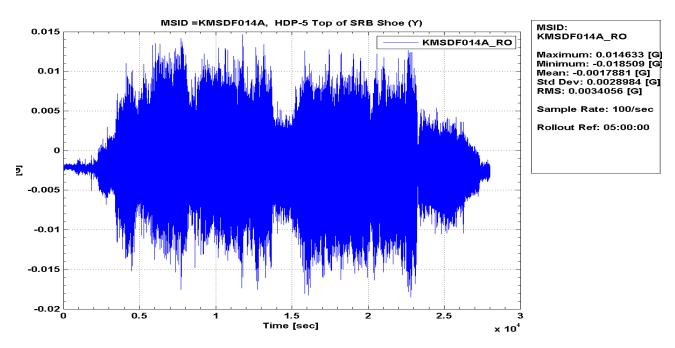


Figure 272: KMSDF014A HDP-5 Top of SRB Shoe (Y), Rollout, Time History

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KMSDF015A HDP-5 Top of SRB Shoe (Z), Rollout, PSD

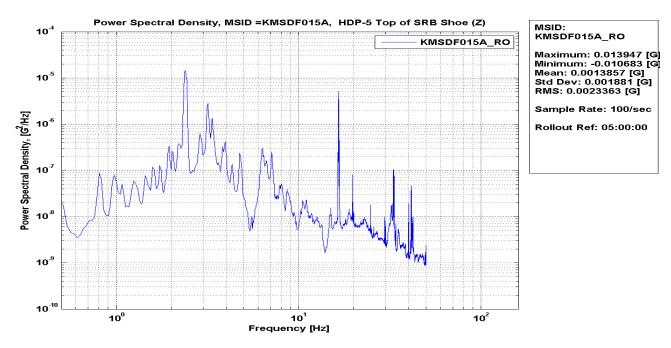


Figure 273: KMSDF015A HDP-5 Top of SRB Shoe (Z), Rollout, PSD

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KMSDF015A HDP-5 Top of SRB Shoe (Z), Rollout, Time History

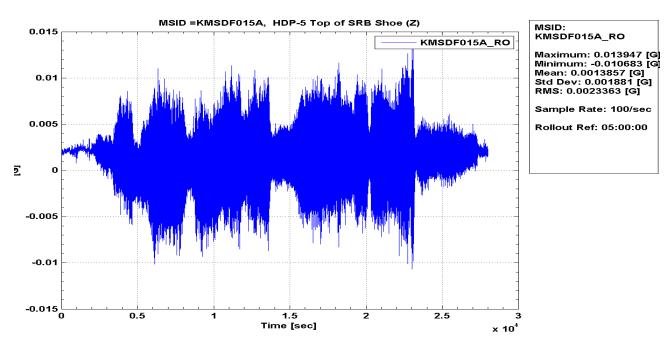


Figure 274: KMSDF015A HDP-5 Top of SRB Shoe (Z), Rollout, Time History

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KMSDF016A HDP-6 Top of SRB Shoe (X), Rollout, PSD

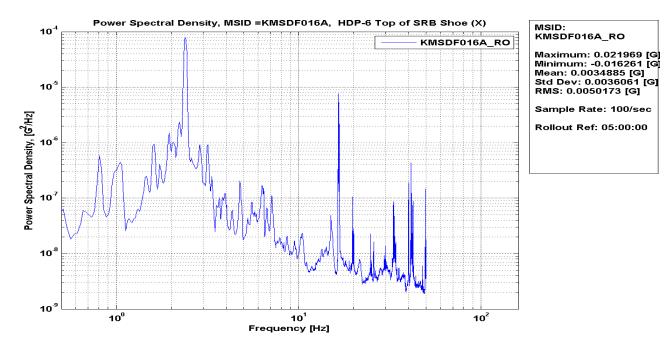


Figure 275: KMSDF016A HDP-6 Top of SRB Shoe (X), Rollout, PSD

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KMSDF016A HDP-6 Top of SRB Shoe (X), Rollout, Time History

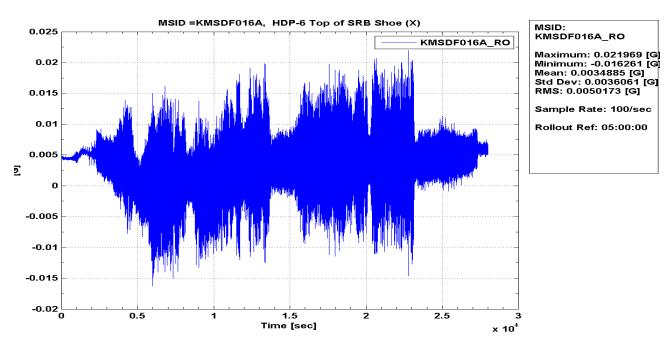


Figure 276: KMSDF016A HDP-6 Top of SRB Shoe (X), Rollout, Time History

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KMSDF017A HDP-6 Top of SRB Shoe (Y), Rollout, PSD

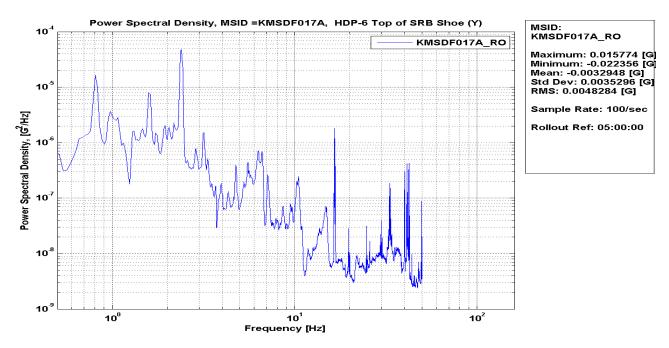


Figure 277: KMSDF017A HDP-6 Top of SRB Shoe (Y), Rollout, PSD

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KMSDF017A HDP-6 Top of SRB Shoe (Y), Rollout, Time History

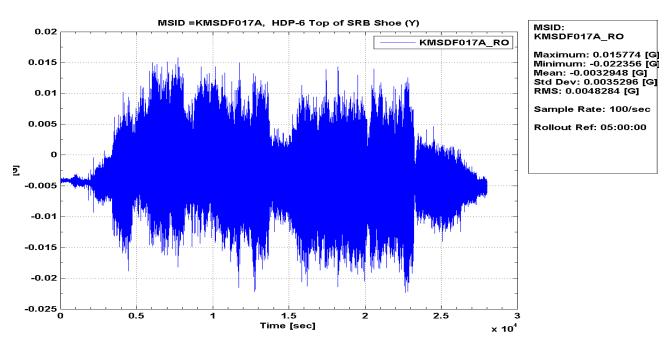


Figure 278: KMSDF017A HDP-6 Top of SRB Shoe (Y), Rollout, Time History

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KMSDF018A HDP-6 Top of SRB Shoe (Z), Rollout, PSD

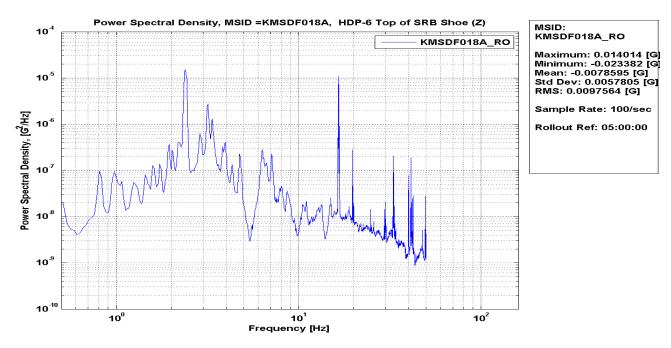


Figure 279: KMSDF018A HDP-6 Top of SRB Shoe (Z), Rollout, PSD

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KMSDF018A HDP-6 Top of SRB Shoe (Z), Rollout, Time History

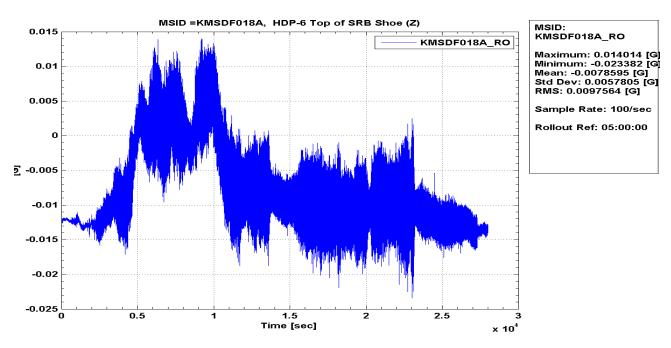


Figure 280: KMSDF018A HDP-6 Top of SRB Shoe (Z), Rollout, Time History

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KMSDF019A HDP-7 Top of SRB Shoe (X), Rollout, PSD

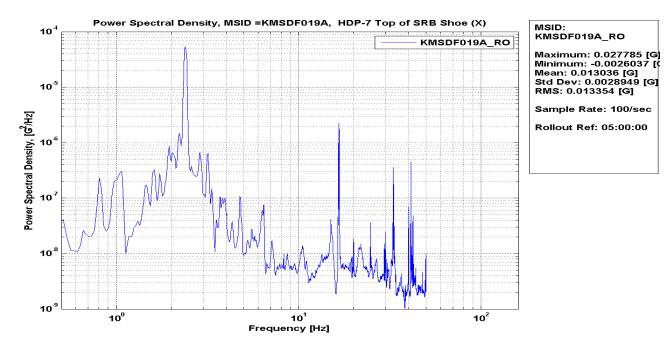


Figure 281: KMSDF019A HDP-7 Top of SRB Shoe (X), Rollout, PSD

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KMSDF019A HDP-7 Top of SRB Shoe (X), Rollout, Time History

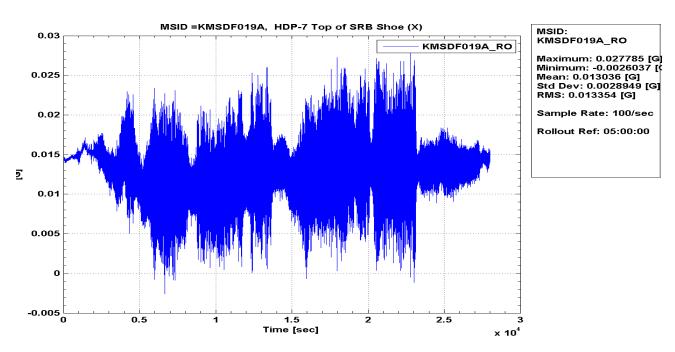


Figure 282: KMSDF019A HDP-7 Top of SRB Shoe (X), Rollout, Time History

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KMSDF020A HDP-7 Top of SRB Shoe (Y), Rollout, PSD

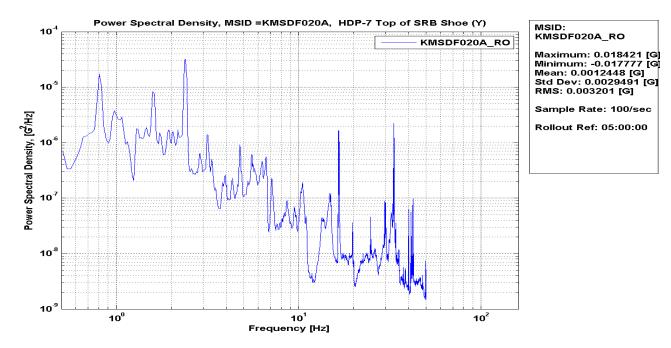


Figure 283: KMSDF020A HDP-7 Top of SRB Shoe (Y), Rollout, PSD

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KMSDF020A HDP-7 Top of SRB Shoe (Y), Rollout, Time History

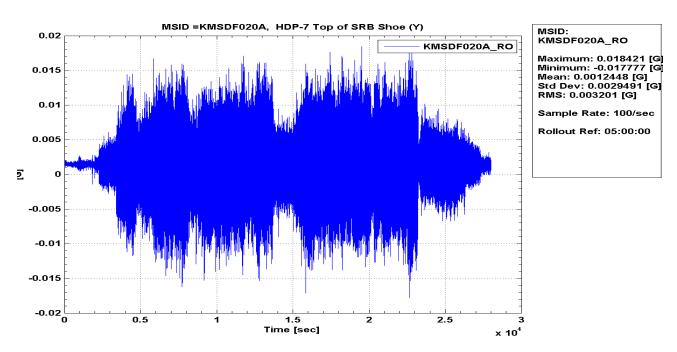


Figure 284: KMSDF020A HDP-7 Top of SRB Shoe (Y), Rollout, Time History

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KMSDF021A HDP-7 Top of SRB Shoe (Z), Rollout, PSD

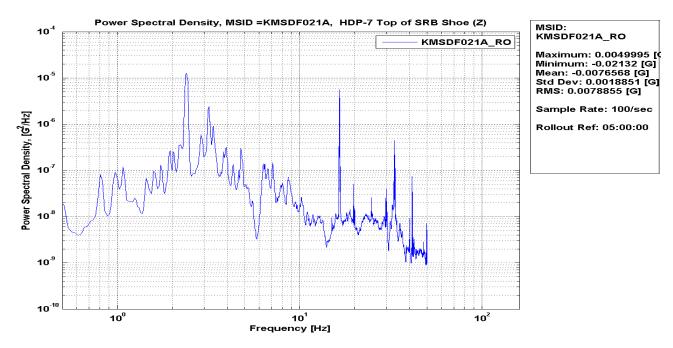


Figure 285: KMSDF021A HDP-7 Top of SRB Shoe (Z), Rollout, PSD

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KMSDF021A HDP-7 Top of SRB Shoe (Z), Rollout, Time History

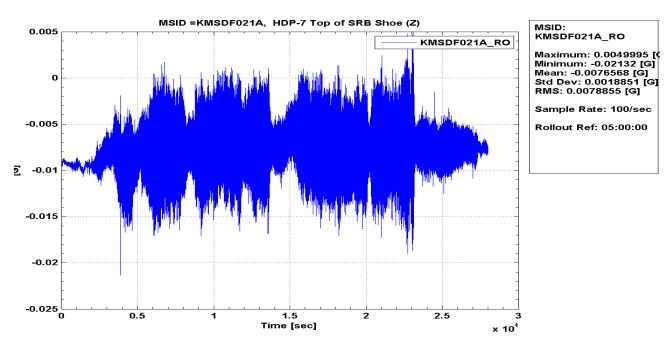


Figure 286: KMSDF021A HDP-7 Top of SRB Shoe (Z), Rollout, Time History

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KMSDF022A HDP-8 Top of SRB Shoe (X), Rollout, PSD

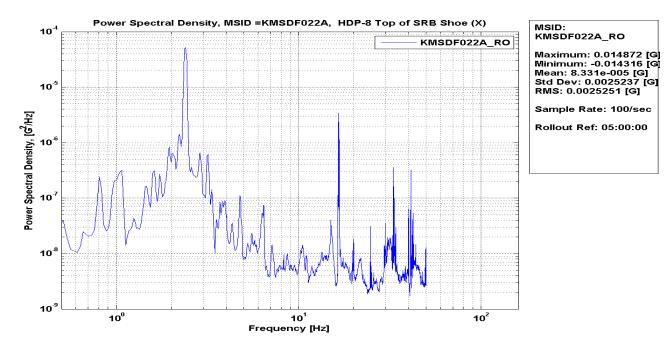


Figure 287: KMSDF022A HDP-8 Top of SRB Shoe (X), Rollout, PSD

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KMSDF022A HDP-8 Top of SRB Shoe (X), Rollout, Time History

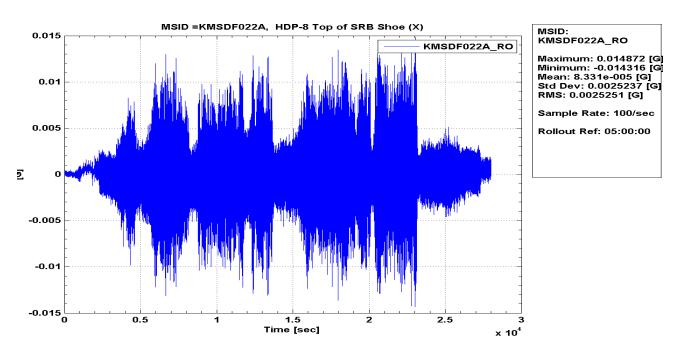


Figure 288: KMSDF022A HDP-8 Top of SRB Shoe (X), Rollout, Time History

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KMSDF023A HDP-8 Top of SRB Shoe (Y), Rollout, PSD

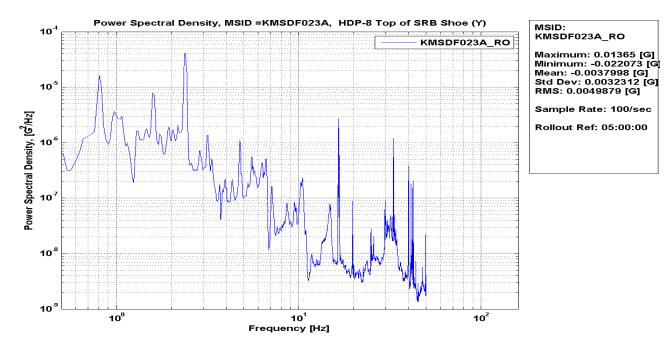


Figure 289: KMSDF023A HDP-8 Top of SRB Shoe (Y), Rollout, PSD

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KMSDF023A HDP-8 Top of SRB Shoe (Y), Rollout, Time History

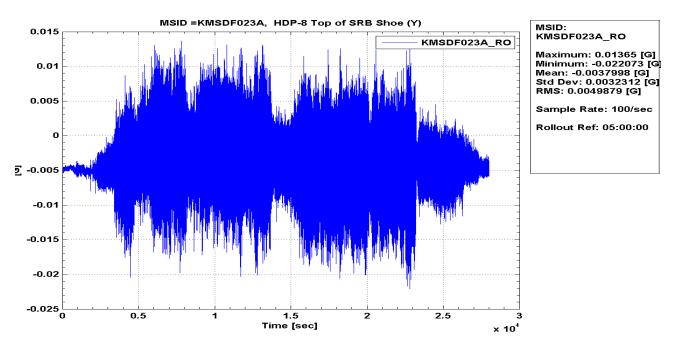


Figure 290: KMSDF023A HDP-8 Top of SRB Shoe (Y), Rollout, Time History

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KMSDF024A HDP-8 Top of SRB Shoe (Z), Rollout, PSD

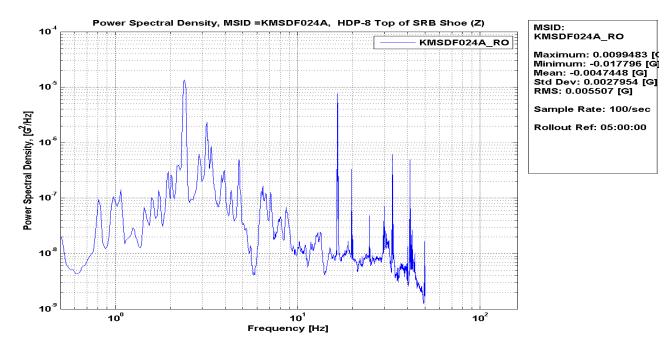


Figure 291: KMSDF024A HDP-8 Top of SRB Shoe (Z), Rollout, PSD

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KMSDF024A HDP-8 Top of SRB Shoe (Z), Rollout, Time History

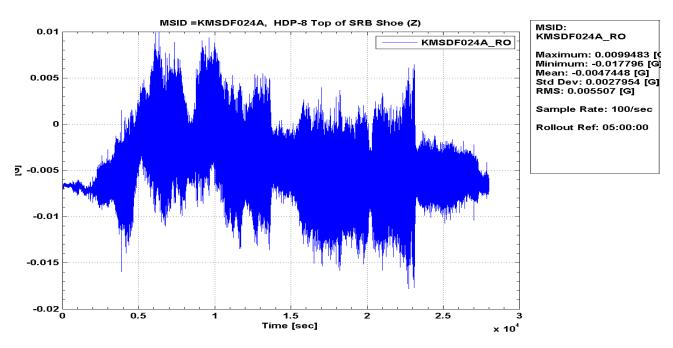


Figure 292: KMSDF024A HDP-8 Top of SRB Shoe (Z), Rollout, Time History

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KSRDG301A MLP/CT Interface Corner A, -X, Rollout, Time History

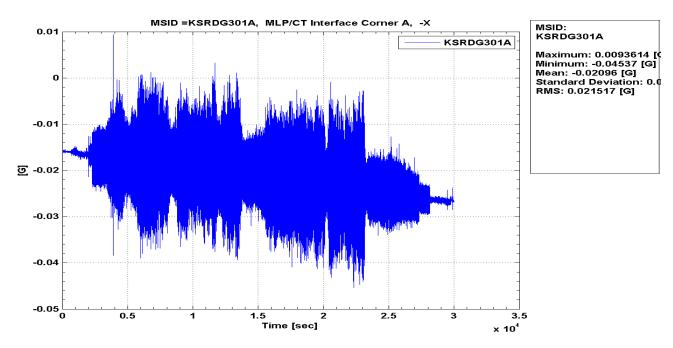


Figure 293: KSRDG301A MLP/CT Interface Corner A, -X, Rollout, Time History

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KSRDG301A MLP/CT Interface Corner A, -X, Rollout, PSD

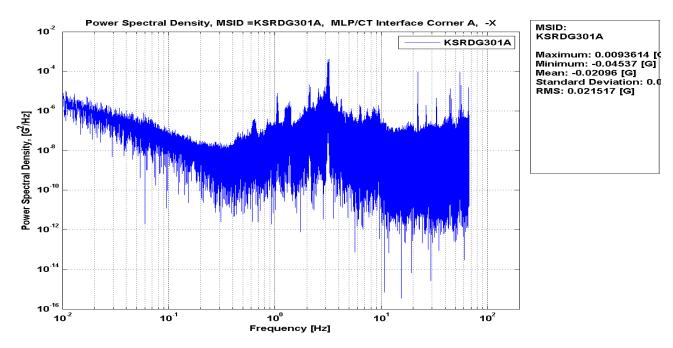


Figure 294: KSRDG301A MLP/CT Interface Corner A, -X, Rollout, PSD

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KSRDG302A MLP/CT Interface Corner A, Y, Rollout, PSD

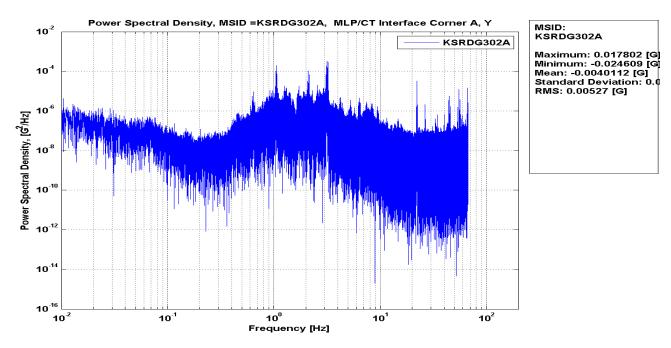


Figure 295: KSRDG302A MLP/CT Interface Corner A, Y, Rollout, PSD

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KSRDG302A MLP/CT Interface Corner A, Y, Rollout, Time History

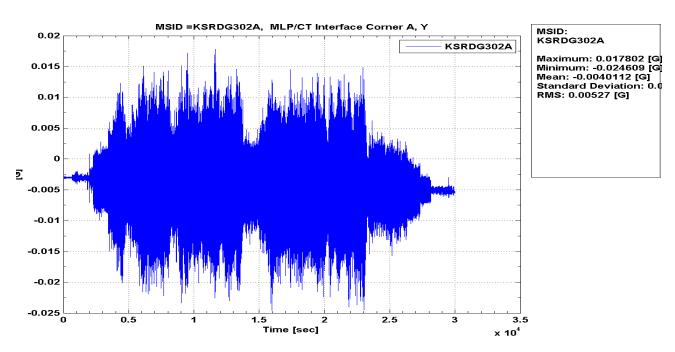


Figure 296: KSRDG302A MLP/CT Interface Corner A, Y, Rollout, Time History

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KSRDG303A MLP/CT Interface Corner A , Z, Rollout, PSD

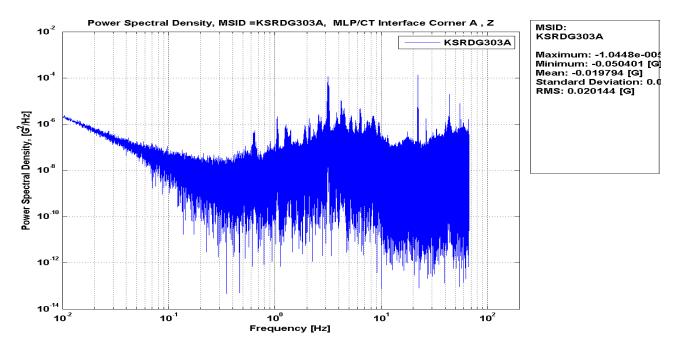


Figure 297: KSRDG303A MLP/CT Interface Corner A , Z, Rollout, PSD

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KSRDG303A MLP/CT Interface Corner A, Z, Rollout, Time History

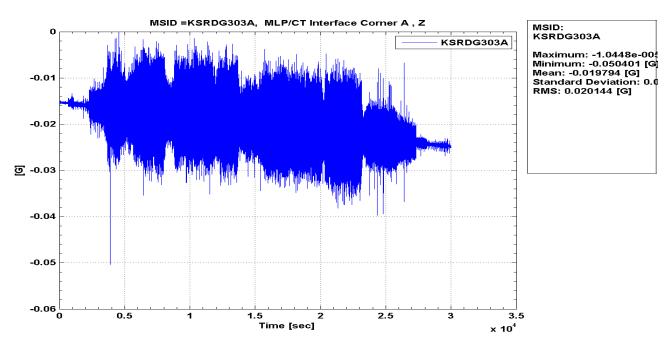


Figure 298: KSRDG303A MLP/CT Interface Corner A, Z, Rollout, Time History

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KSRDG304A MLP/CT Interface Corner B, X, Rollout, PSD

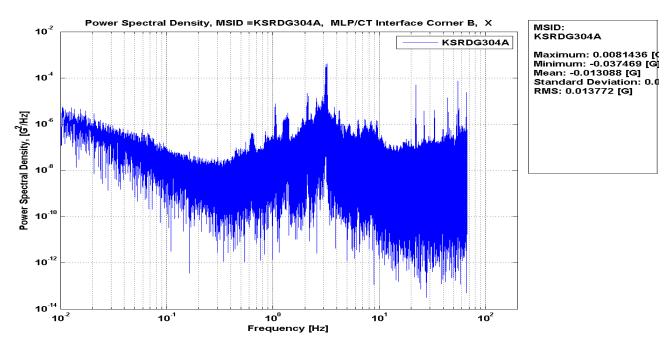


Figure 299: KSRDG304A MLP/CT Interface Corner B, X, Rollout, PSD

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KSRDG304A MLP/CT Interface Corner B, X, Rollout, Time History

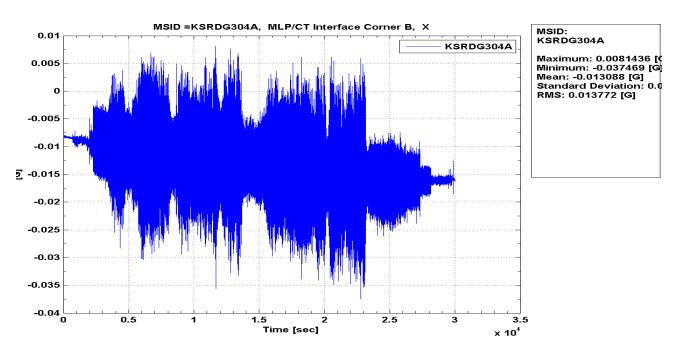


Figure 300: KSRDG304A MLP/CT Interface Corner B, X, Rollout, Time History

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KSRDG305A MLP/CT Interface Corner B, Y, Rollout, PSD

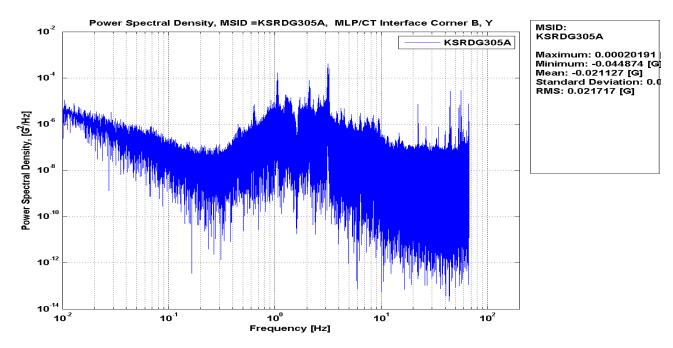


Figure 301: KSRDG305A MLP/CT Interface Corner B, Y, Rollout, PSD

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KSRDG305A MLP/CT Interface Corner B, Y, Rollout, Time History

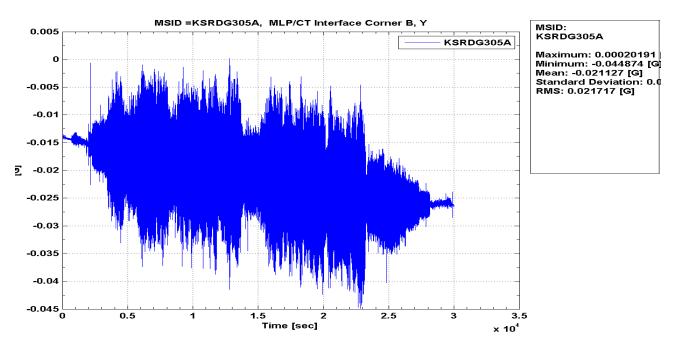


Figure 302: KSRDG305A MLP/CT Interface Corner B, Y, Rollout, Time History

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KSRDG306A MLP/CT Interface Corner B , Z, Rollout, PSD

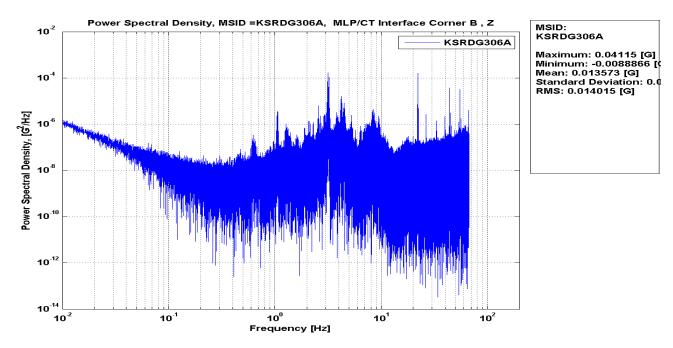


Figure 303: KSRDG306A MLP/CT Interface Corner B, Z, Rollout, PSD

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KSRDG306A MLP/CT Interface Corner B , Z, Rollout, Time History

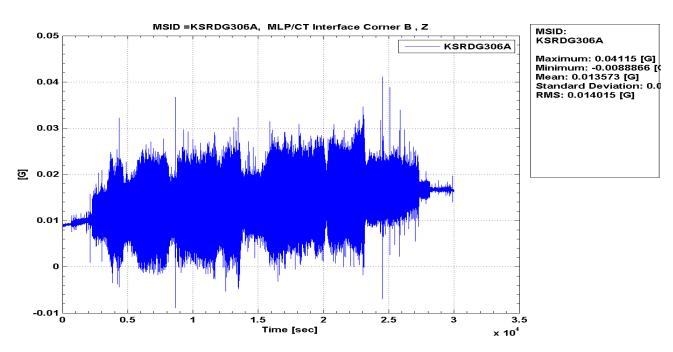


Figure 304: KSRDG306A MLP/CT Interface Corner B, Z, Rollout, Time History

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KSRDG307A MLP/CT Interface Corner C, X, Rollout, PSD

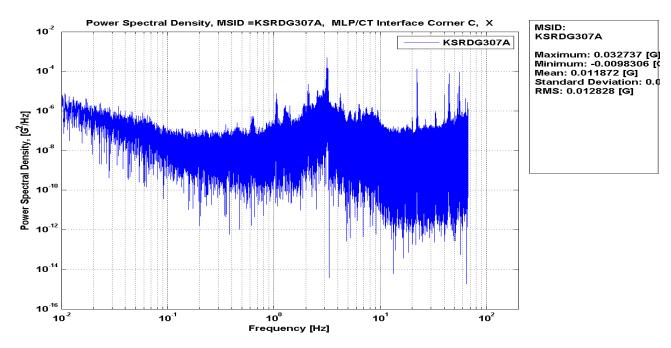


Figure 305: KSRDG307A MLP/CT Interface Corner C, X, Rollout, PSD

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KSRDG307A MLP/CT Interface Corner C, X, Rollout, Time History

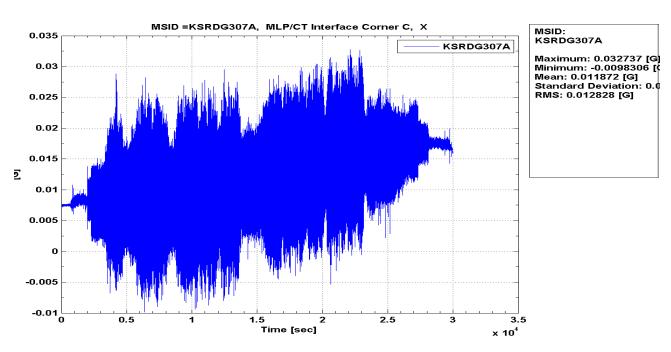


Figure 306: KSRDG307A MLP/CT Interface Corner C, X, Rollout, Time History

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KSRDG308A MLP/CT Interface Corner C, Y, Rollout, PSD

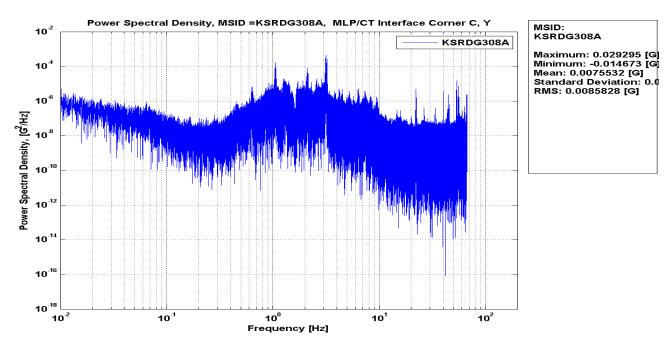


Figure 307: KSRDG308A MLP/CT Interface Corner C, Y, Rollout, PSD

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KSRDG308A MLP/CT Interface Corner C, Y, Rollout, Time History

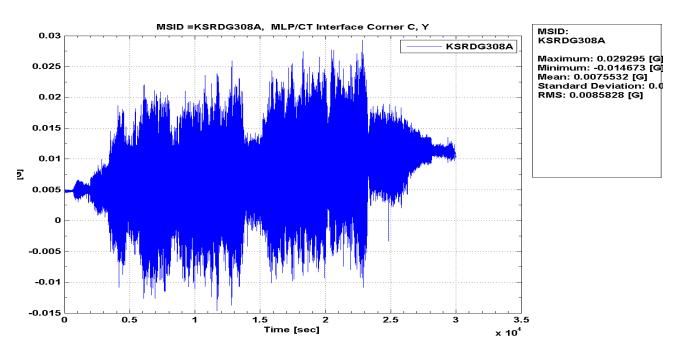


Figure 308: KSRDG308A MLP/CT Interface Corner C, Y, Rollout, Time History

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KSRDG309A MLP/CT Interface Corner C , Z, Rollout, PSD

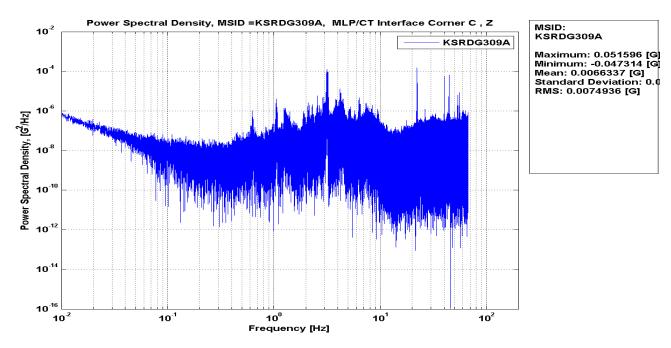


Figure 309: KSRDG309A MLP/CT Interface Corner C , Z, Rollout, PSD

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KSRDG309A MLP/CT Interface Corner C , Z, Rollout, Time History

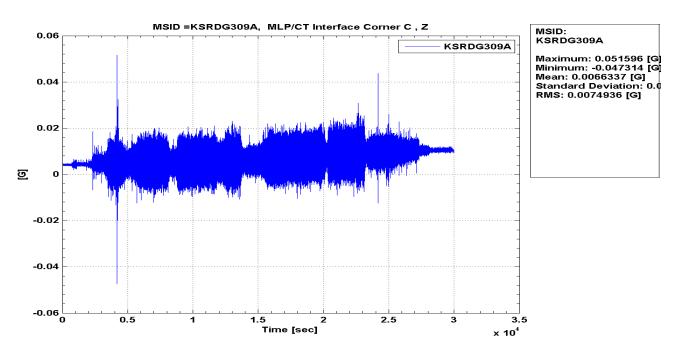


Figure 310: KSRDG309A MLP/CT Interface Corner C, Z, Rollout, Time History

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KSRDG310A MLP/CT Interface Corner D, -X, Rollout, PSD

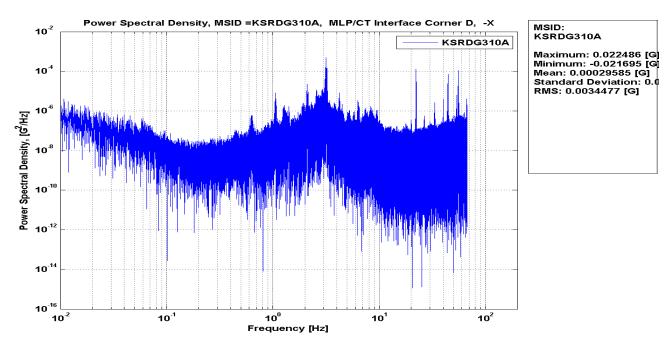


Figure 311: KSRDG310A MLP/CT Interface Corner D, -X, Rollout, PSD

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KSRDG310A MLP/CT Interface Corner D, -X, Rollout, Time History

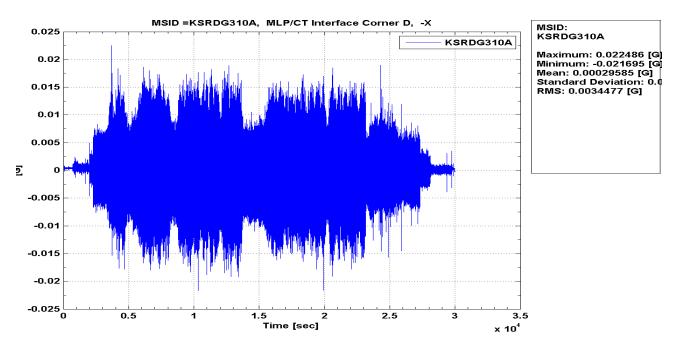


Figure 312: KSRDG310A MLP/CT Interface Corner D, -X, Rollout, Time History

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KSRDG311A MLP/CT Interface Corner D, Y, Rollout, PSD

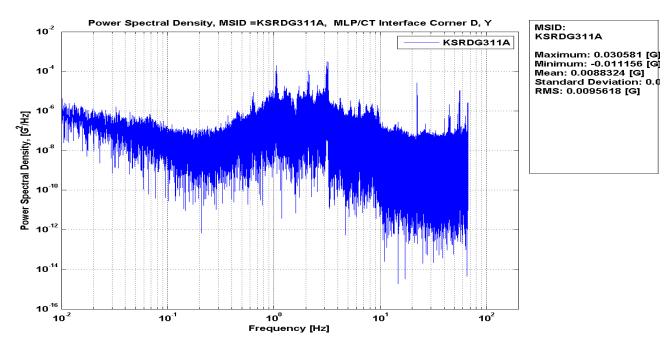


Figure 313: KSRDG311A MLP/CT Interface Corner D, Y, Rollout, PSD

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KSRDG311A MLP/CT Interface Corner D, Y, Rollout, Time History

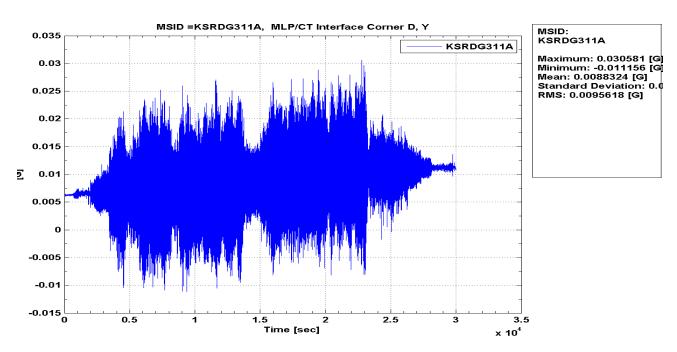


Figure 314: KSRDG311A MLP/CT Interface Corner D, Y, Rollout, Time History

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KSRDG312A MLP/CT Interface Corner D , Z, Rollout, PSD

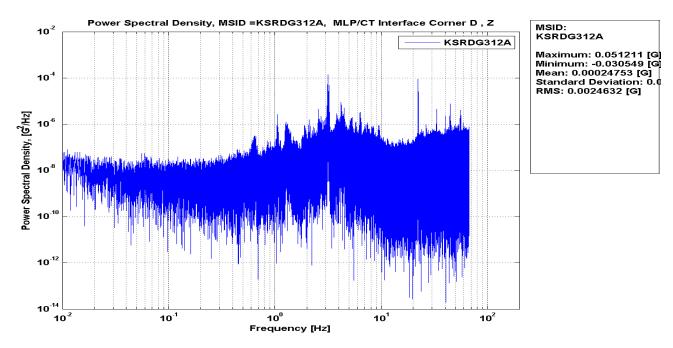


Figure 315: KSRDG312A MLP/CT Interface Corner D, Z, Rollout, PSD

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KSRDG312A MLP/CT Interface Corner D , Z, Rollout, Time History

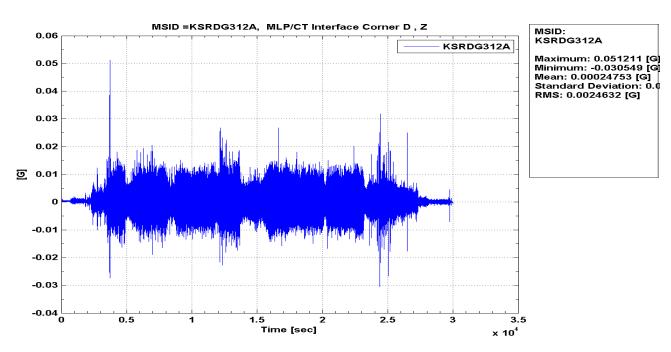


Figure 316: KSRDG312A MLP/CT Interface Corner D, Z, Rollout, Time History

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KVMDF207A FTV, X=1966, 90 deg, Rollout, PSD

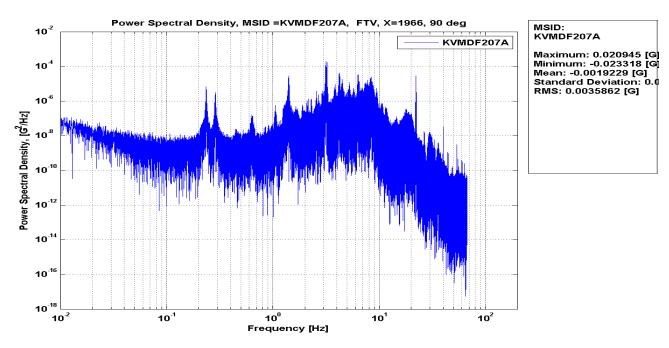


Figure 317: KVMDF207A FTV, X=1966, 90 deg, Rollout, PSD

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KVMDF207A FTV, X=1966, 90 deg, Rollout, Time History

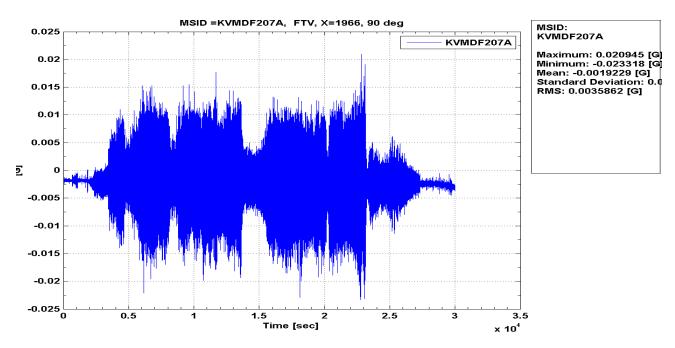


Figure 318: KVMDF207A FTV, X=1966, 90 deg, Rollout, Time History

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KVMDF208A FTV, X=1966, 90 deg, Rollout, PSD

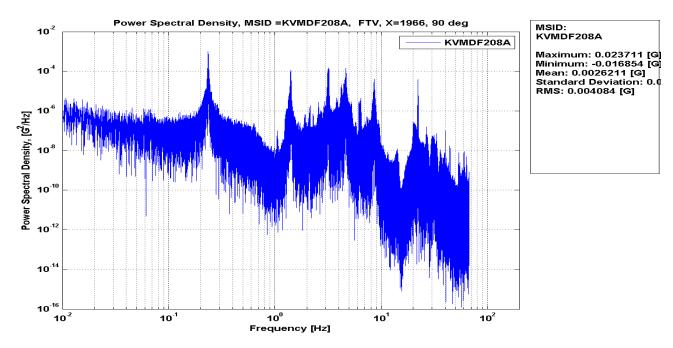


Figure 319: KVMDF208A FTV, X=1966, 90 deg, Rollout, PSD

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KVMDF208A FTV, X=1966, 90 deg, Rollout, Time History

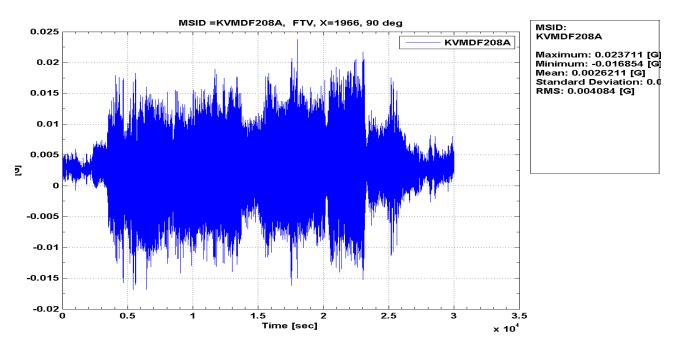


Figure 320: KVMDF208A FTV, X=1966, 90 deg, Rollout, Time History

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KVMDF209A FTV, X=1966, 90 deg, Rollout, PSD

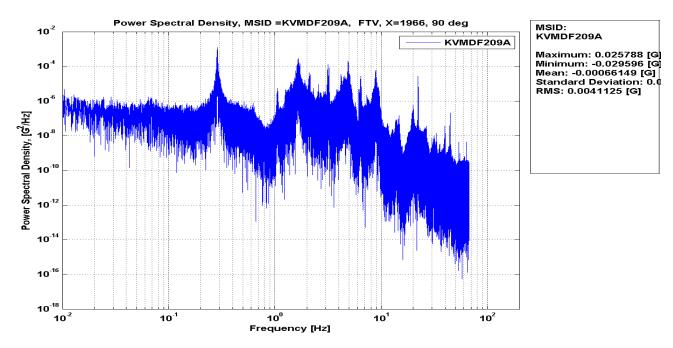


Figure 321: KVMDF209A FTV, X=1966, 90 deg, Rollout, PSD

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KVMDF209A FTV, X=1966, 90 deg, Rollout, Time History

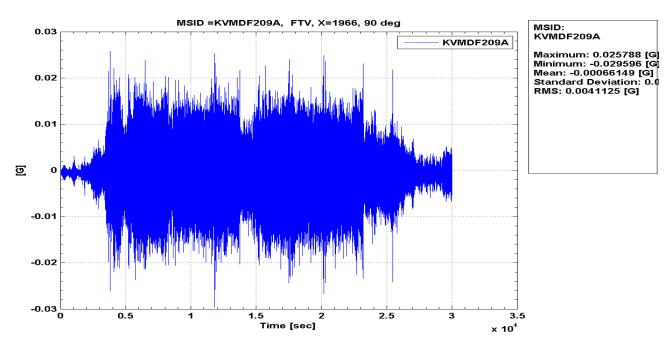


Figure 322: KVMDF209A FTV, X=1966, 90 deg, Rollout, Time History

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KVMDF210A FTV, X=785, 180 deg, Rollout, PSD

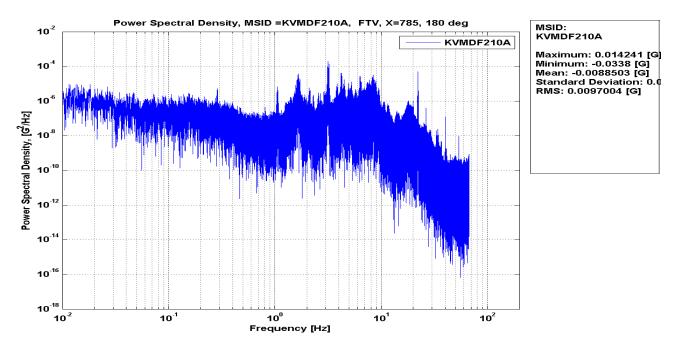


Figure 323: KVMDF210A FTV, X=785, 180 deg, Rollout, PSD

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KVMDF210A FTV, X=785, 180 deg, Rollout, Time History

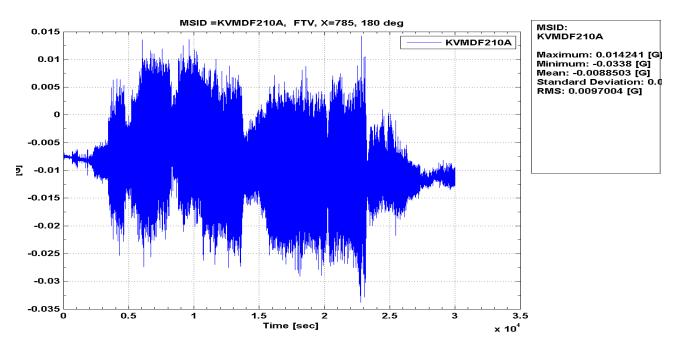


Figure 324: KVMDF210A FTV, X=785, 180 deg, Rollout, Time History

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KVMDF211A FTV, X=785, 180 deg, Rollout, PSD

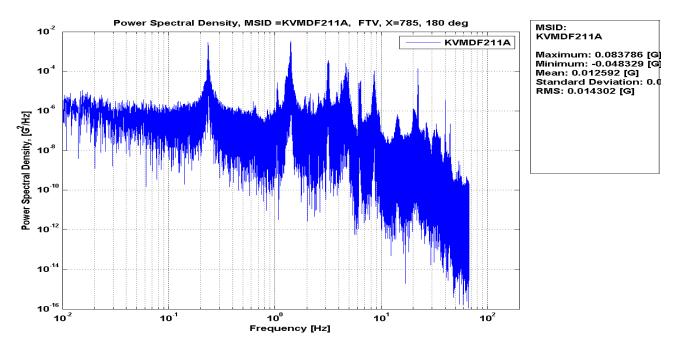


Figure 325: KVMDF211A FTV, X=785, 180 deg, Rollout, PSD

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KVMDF211A FTV, X=785, 180 deg, Rollout, Time History

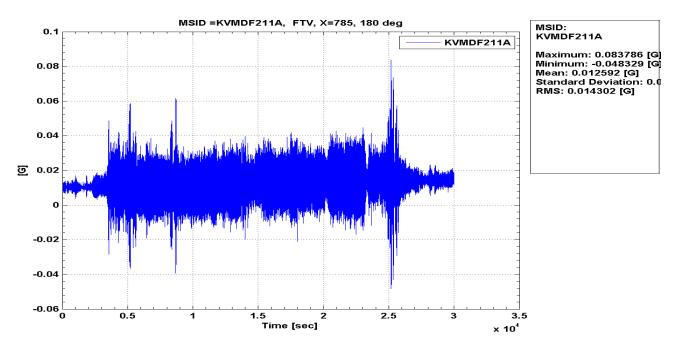


Figure 326: KVMDF211A FTV, X=785, 180 deg, Rollout, Time History

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KVMDF212A FTV, X=785, 180 deg, Rollout, PSD

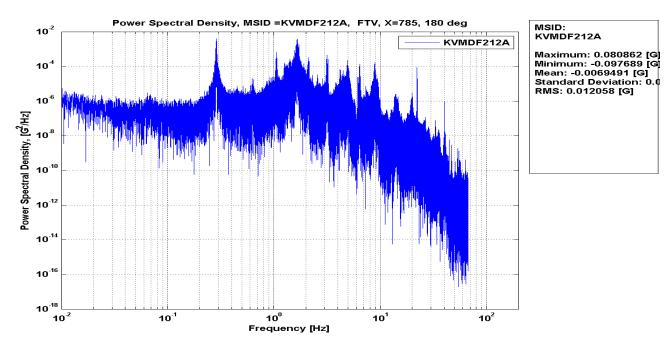


Figure 327: KVMDF212A FTV, X=785, 180 deg, Rollout, PSD

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KVMDF212A FTV, X=785, 180 deg, Rollout, Time History

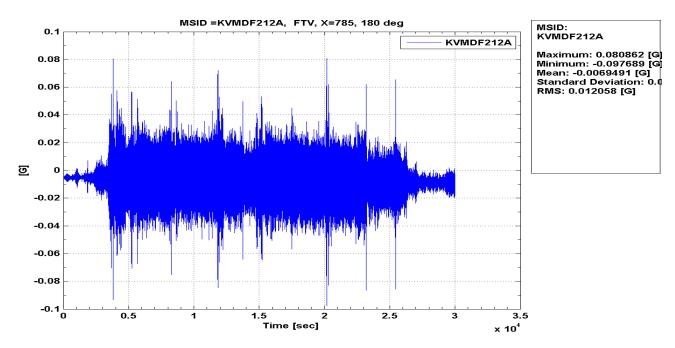


Figure 328: KVMDF212A FTV, X=785, 180 deg, Rollout, Time History

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