

Proponent 4  
AC Grounded Spurious Operation TS

### AC Grounded Spurious Operations TS

Hot Gas Layer			
Cable Type	Intra	inter	Multiple shorts to ground
TS	0.6	126	N/A
TS	0.8	66	
TS	0.8		
TS	6		
TS	7		
TS	18		
TS	40.8		
TS	44.6		
TS	62.2		
TS	62.2		
TS	84		
TS	90		
TS	90.6		
TS	108		
TS	108		
TS	120		
TS	198		
TS	202.8		
TS	231		
TP	7.6	492	N/A
TP	10.4	606	
TP	18		
TP	23.4		
TP	33.8		
TP	38.2		
TP	65.6		
TP	120		
TP	228		
TP	294.2		
TP	296.2		
TP	456		

Plume			
Cable Type	Intra	inter	Multiple shorts to ground
TS	6	6	N/A
TS	6	12	
TS	9.6	18	
TS	12	18	
TS	14.6	486	
TS	18		
TS	18		
TS	18.4		
TS	24		
TS	32.2		
TS	37.8		
TS	47.4		
TS	47.4		
TS	47.8		
TS	51.8		
TS	60		
TS	60		
TS	95		
TS	120		
TS	120		
TS	120		
TS	126		
TP	24	66	N/A
TP	24	312	
TP	54	342	
TP	55.4		
TP	60		
TP	66		
TP	97.6		
TP	282		

Flame			
Cable Type	Intra	inter	Multiple shorts to ground
TS	2.2	No Data	N/A
TS	4.2		
TS	4.8		
TS	6.6		
TS	8		
TS	8.2		
TS	12.8		
TS	19.4		
TS	23.2		
TS	25		
TS	25.8		
TS	27		
TS	27.2		
TS	31.4		
TP	0.2	No Data	N/A
TP	0.4		
TP	2.6		
TP	3.4		
TP	5		
TP	5.6		
TP	10		

Hot Gas Layer- Intra TS				
Trial	Exposure	Cable	C5 Dur.	C6 Dur.
C-IT-1-CK3	Hot Gas Layer	TS	202.8	231
C-IT-1-CK4	Hot Gas Layer	TS	90.6	
C-IT-13-CK3	Hot Gas Layer	TS	40.8	0.8
C-IT-14-CK3	Hot Gas Layer	TS	44.6	0.8
D-IT-12-CK1	Hot Gas Layer	TS	62.2	62.2
D-IT-12-CK3	Hot Gas Layer	TS		7
E-I-7-CK1	Hot Gas Layer	TS	108	108
E-I-7-CK3	Hot Gas Layer	TS	90	84
E-I-15-CK2	Hot Gas Layer	TS	198	
E-I-10-CK2	Hot Gas Layer	TS		6
D-P-13-CK1	Hot Gas Layer	TS		0.6
E-I-1-CK2	Hot Gas Layer	TS	24	54

Hot Gas Layer- Intra TP				
Trial	Exposure	Cable	C5 Dur.	C6 Dur.
E-I-17-CK1	Hot Gas Layer	TP	18	120
C-IT-7-CK4	Hot Gas Layer	TP	23.4	
C-IT-9-CK4	Hot Gas Layer	TP	38.2	65.6
C-IT-11-CK2	Hot Gas Layer	TP	228	33.8
C-IT-12-CK2	Hot Gas Layer	TP	294.2	296.2
C-IT-12-CK3	Hot Gas Layer	TP	10.4	7.6
E-I-6-CK1	Hot Gas Layer	TP	288	192
E-I-6-CK2	Hot Gas Layer	TP		456

Plume- TS				
Trial	Exposure	Cable	C5 Dur.	C6 Dur.
C-IT-14-CK2	Plume	TS		18.4
D-IT-4-CK1	Plume	TS	47.8	37.8
D-IT-4-CK2	Plume	TS	47.4	47.4
D-IT-4-CK3	Plume	TS	95	9.6
D-IT-4-CK4	Plume	TS	51.8	32.2
E-I-3-CK1	Plume	TS	120	120
E-I-3-CK3	Plume	TS	24	18
E-I-8-CK1	Plume	TS		126
E-I-9-CK1	Plume	TS	60	60
E-I-9-CK2	Plume	TS	12	6
E-I-9-CK3	Plume	TS	120	6
E-I-9-CK4	Plume	TS	18	
D-IT-JPN1-CK2	Plume	TS		14.6

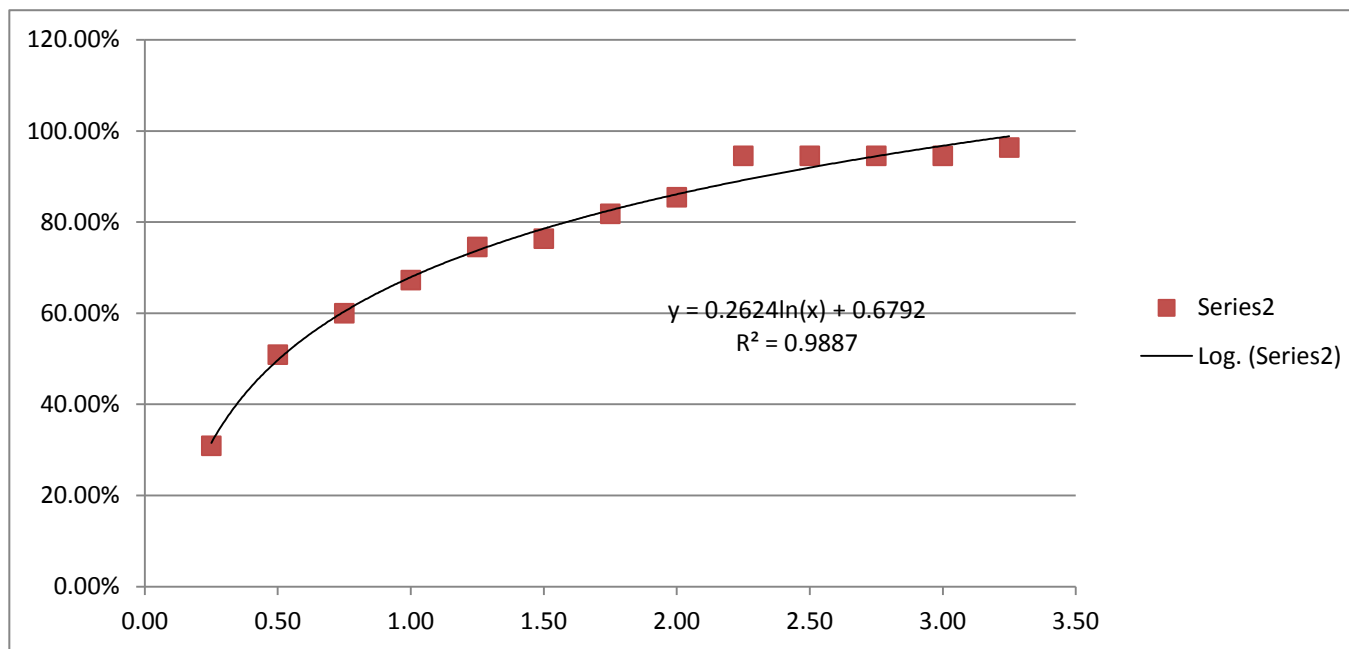
Plume-TP				
Trial	Exposure	Cable	C5 Dur.	C6 Dur.
D-IT-8-CK1	Plume	TP	55.4	97.6
E-I-4-CK2	Plume	TP		66
E-I-4-CK3	Plume	TP		282
E-I-4-CK4	Plume	TP	24	60
E-I-16-CK3	Plume	TP	24	54

Flame-TS				
Trial	Exposure	Cable	C5 Dur.	C6 Dur.
C-IT-6-CK4	Flame	TS	8	4.8
C-IT-7-CK2	Flame	TS	25	23.2
C-IT-7-CK3	Flame	TS	8.2	31.4
C-IT-8-CK3	Flame	TS	6.6	25.8
C-IT-9-CK2	Flame	TS	2.2	
C-IT-11-CK4	Flame	TS	27.2	27
C-IT-12-CK4	Flame	TS	19.4	12.8
D-IT-11-CK1	Flame	TS		4.2

Flame-TP				
Trial	Exposure	Cable	C5 Dur.	C6 Dur.
C-IT-IP-4-CK2	Flame	TP	5.6	2.6
C-IT-IP-4-CK4	Flame	TP	0.2	0.4
C-IT-8-CK2	Flame	TP	5	3.4
C-IT-10-CK3	Flame	TP	10	

	TS Duration (sec)	TS Duration (min)	TS Exposure				
1	0.6	0.01	HGL	0.00	<b>0.25</b>	17	<b>30.91%</b>
2	0.8	0.01	HGL	0.25	<b>0.50</b>	28	<b>50.91%</b>
3	0.8	0.01	HGL	0.50	<b>0.75</b>	33	<b>60.00%</b>
4	2.2	0.04	Flame	0.75	<b>1.00</b>	37	<b>67.27%</b>
5	4.2	0.07	Flame	1.00	<b>1.25</b>	41	<b>74.55%</b>
6	4.8	0.08	Flame	1.25	<b>1.50</b>	42	<b>76.36%</b>
7	6	0.10	HGL	1.50	<b>1.75</b>	45	<b>81.82%</b>
8	6	0.10	Plume	1.75	<b>2.00</b>	47	<b>85.45%</b>
9	6	0.10	Plume	2.00	<b>2.25</b>	52	<b>94.55%</b>
10	6.6	0.11	Flame	2.25	<b>2.50</b>	52	<b>94.55%</b>
11	7	0.12	HGL	2.50	<b>2.75</b>	52	<b>94.55%</b>
12	8	0.13	Flame	2.75	<b>3.00</b>	52	<b>94.55%</b>
13	8.2	0.14	Flame	3.00	<b>3.25</b>	53	<b>96.36%</b>
14	9.6	0.16	Plume	3.25	3.50	54	98.18%
15	12	0.20	Plume	3.50	3.75	54	98.18%
16	12.8	0.21	Flame	3.75	4.00	55	100.00%
17	14.6	0.24	Plume	4.00	4.25	55	100.00%
18	18	0.30	HGL	4.25	4.50	55	100.00%
19	18	0.30	Plume	4.50	4.75	55	100.00%
20	18	0.30	Plume	4.75	5.00	55	100.00%
21	18.4	0.31	Plume	5.00	5.25	55	100.00%
22	19.4	0.32	Flame	5.25	5.50	55	100.00%
23	23.2	0.39	Flame	5.50	5.75	55	100.00%
24	24	0.40	Plume	5.75	6.00	55	100.00%
25	25	0.42	Flame	6.00	6.25	55	100.00%
26	25.8	0.43	Flame	6.25	6.50	55	100.00%
27	27	0.45	Flame	6.50	6.75	55	100.00%
28	27.2	0.45	Flame	6.75	7.00	55	100.00%
29	31.4	0.52	Flame	7.00	7.25	55	100.00%
30	32.2	0.54	Plume	7.25	7.50	55	100.00%
31	37.8	0.63	Plume	7.50	7.75	55	100.00%
32	40.8	0.68	HGL	7.75	8.00	55	100.00%
33	44.6	0.74	HGL	8.00	8.25	55	100.00%
34	47.4	0.79	Plume	8.25	8.50	55	100.00%
35	47.4	0.79	Plume	8.50	8.75	55	100.00%

36	47.8	0.80 Plume	8.75	9.00	55	100.00%
37	51.8	0.86 Plume	9.00	9.25	55	100.00%
38	60	1.00 Plume	9.25	9.50	55	100.00%
39	60	1.00 Plume	9.50	9.75	55	100.00%
40	62.2	1.04 HGL	9.75	10.00	55	100.00%
41	62.2	1.04 HGL	10.00	10.25	55	100.00%
42	84	1.40 HGL	10.25	10.50	55	100.00%
43	90	1.50 HGL	10.50	10.75	55	100.00%
44	90.6	1.51 HGL	10.75	11.00	55	100.00%
45	95	1.58 Plume	11.00	11.25	55	100.00%
46	108	1.80 HGL	11.25	11.50	55	100.00%
47	108	1.80 HGL	11.50	11.75	55	100.00%
48	120	2.00 HGL	11.75	12.00	55	100.00%
49	120	2.00 Plume	12.00	12.25	55	100.00%
50	120	2.00 Plume	12.25	12.50	55	100.00%
51	120	2.00 Plume	12.50	12.75	55	100.00%
52	126	2.10 Plume	12.75	13.00	55	100.00%
53	198	3.30 HGL	13.00	13.25	55	100.00%
54	202.8	3.38 HGL	13.25	13.50	55	100.00%
55	231	3.85 HGL	13.50	13.75	55	100.00%
			13.75	14.00	55	100.00%
			14.00	14.25	55	100.00%
			14.25	14.50	55	100.00%
			14.50	14.75	55	100.00%
			14.75	15.00	55	100.00%
			15.00	15.25	55	100.00%
			15.25	15.50	55	100.00%
			15.50	15.75	55	100.00%
			15.75	16.00	55	100.00%
			16.00	16.25	55	100.00%
			16.25	16.50	55	100.00%
			16.50	16.75	55	100.00%
			16.75	17.00	55	100.00%
			17.00	17.25	55	100.00%
			17.25	17.50	55	100.00%
			17.50	17.75	55	100.00%
			17.75	18.00	55	100.00%
			18.00	18.25	55	100.00%
			18.25	18.50	55	100.00%
			18.50	18.75	55	100.00%
			18.75	19.00	55	100.00%
			19.00	19.25	55	100.00%
			19.25	19.50	55	100.00%
			19.50	19.75	55	100.00%
			19.75	20.00	55	100.00%



Proponent 4  
AC Grounded Spurious Operation TP





Trial	Exposure	Cable	C5 Dur.	C6 Dur.
C-IT-1-CK3	Hot Gas Layer	TS	202.8	231
C-IT-1-CK4	Hot Gas Layer	TS	90.6	
C-IT-13-CK3	Hot Gas Layer	TS	40.8	0.8
C-IT-14-CK3	Hot Gas Layer	TS	44.6	0.8
D-IT-12-CK1	Hot Gas Layer	TS	62.2	62.2
D-IT-12-CK3	Hot Gas Layer	TS		7
E-I-7-CK1	Hot Gas Layer	TS	108	108
E-I-7-CK3	Hot Gas Layer	TS	90	84
E-I-15-CK2	Hot Gas Layer	TS	198	
E-I-10-CK2	Hot Gas Layer	TS		6
D-P-13-CK1	Hot Gas Layer	TS		0.6
E-I-1-CK2	Hot Gas Layer	TS	24	54

Hot Gas Layer- Intra TP				
Trial	Exposure	Cable	C5 Dur.	C6 Dur.
E-I-17-CK1	Hot Gas Layer	TP	18	120
C-IT-7-CK4	Hot Gas Layer	TP	23.4	
C-IT-9-CK4	Hot Gas Layer	TP	38.2	65.6
C-IT-11-CK2	Hot Gas Layer	TP	228	33.8
C-IT-12-CK2	Hot Gas Layer	TP	294.2	296.2
C-IT-12-CK3	Hot Gas Layer	TP	10.4	7.6
E-I-6-CK1	Hot Gas Layer	TP	288	192
E-I-6-CK2	Hot Gas Layer	TP		456

Plume- TS				
Trial	Exposure	Cable	C5 Dur.	C6 Dur.
C-IT-14-CK2	Plume	TS		18.4
D-IT-4-CK1	Plume	TS	47.8	37.8
D-IT-4-CK2	Plume	TS	47.4	47.4
D-IT-4-CK3	Plume	TS	95	9.6
D-IT-4-CK4	Plume	TS	51.8	32.2
E-I-3-CK1	Plume	TS	120	120
E-I-3-CK3	Plume	TS	24	18
E-I-8-CK1	Plume	TS		126
E-I-9-CK1	Plume	TS	60	60
E-I-9-CK2	Plume	TS	12	6
E-I-9-CK3	Plume	TS	120	6
E-I-9-CK4	Plume	TS	18	
D-IT-JPN1-CK2	Plume	TS		14.6

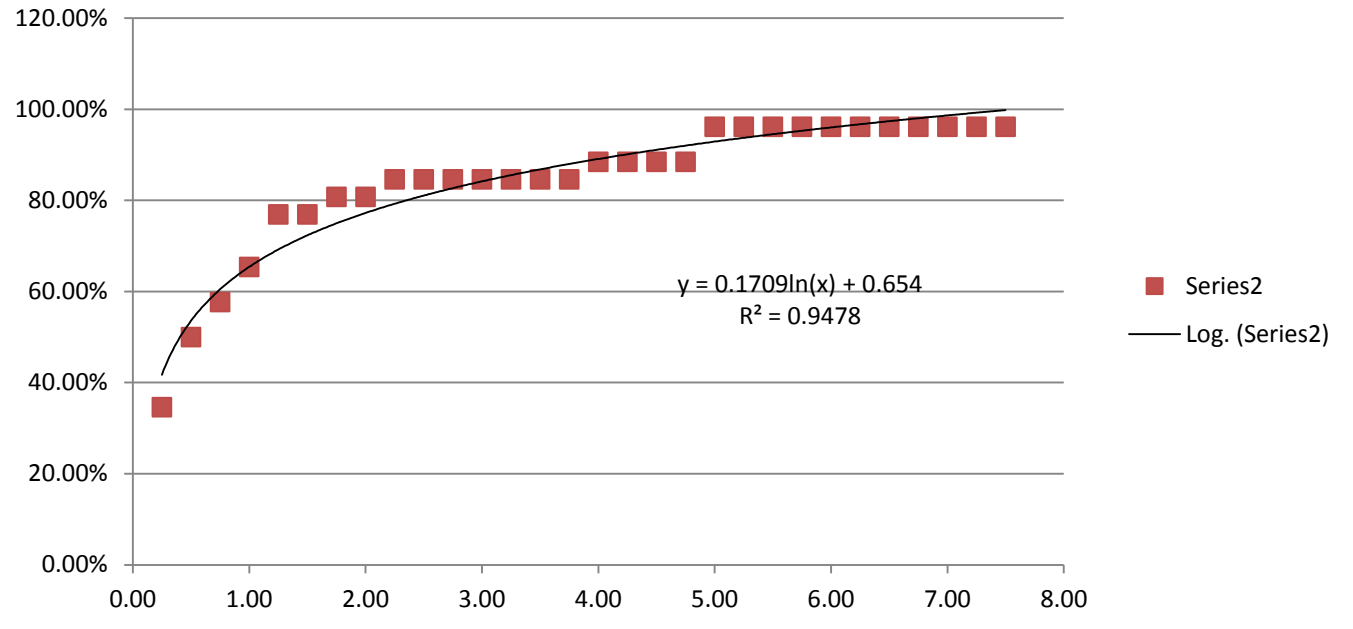
Trial	Exposure	Cable	C5 Dur.	C6 Dur.
D-IT-8-CK	Plume	TP	55.4	97.6
E-I-4-CK2	Plume	TP		66
E-I-4-CK3	Plume	TP		282
E-I-4-CK4	Plume	TP	24	60
E-I-16-CK1	Plume	TP	24	54

Flame-TS				
Trial	Exposure	Cable	C5 Dur.	C6 Dur.
C-IT-6-CK	Flame	TS	8	4.8
C-IT-7-CK	Flame	TS	25	23.2
C-IT-7-CK	Flame	TS	8.2	31.4
C-IT-8-CK	Flame	TS	6.6	25.8
C-IT-9-CK	Flame	TS	2.2	
C-IT-11-CK	Flame	TS	27.2	27
C-IT-12-CK	Flame	TS	19.4	12.8
D-IT-11-CK	Flame	TS		4.2

Flame-TP				
Trial	Exposure	Cable	C5 Dur.	C6 Dur.
C-IT-IP-4-4	Flame	TP	5.6	2.6
C-IT-IP-4-4	Flame	TP	0.2	0.4
C-IT-8-CK	Flame	TP	5	3.4
C-IT-10-CK	Flame	TP	10	

	TS Duration (sec)	TS Duration (min)	TS Exposure				
1	0.2	0.00	Flame	0.00	<b>0.25</b>	9	<b>34.62%</b>
2	0.4	0.01	Flame	0.25	<b>0.50</b>	13	<b>50.00%</b>
3	2.6	0.04	Flame	0.50	<b>0.75</b>	15	<b>57.69%</b>
4	3.4	0.06	Flame	0.75	<b>1.00</b>	17	<b>65.38%</b>
5	5	0.08	Flame	1.00	<b>1.25</b>	20	<b>76.92%</b>
6	5.6	0.09	Flame	1.25	<b>1.50</b>	20	<b>76.92%</b>
7	7.6	0.13	HGL	1.50	<b>1.75</b>	21	<b>80.77%</b>
8	10	0.17	Flame	1.75	<b>2.00</b>	21	<b>80.77%</b>
9	10.4	0.17	HGL	2.00	<b>2.25</b>	22	<b>84.62%</b>
10	18	0.30	HGL	2.25	<b>2.50</b>	22	<b>84.62%</b>
11	23.4	0.39	HGL	2.50	<b>2.75</b>	22	<b>84.62%</b>
12	24	0.40	Plume	2.75	<b>3.00</b>	22	<b>84.62%</b>
13	24	0.40	Plume	3.00	<b>3.25</b>	22	<b>84.62%</b>
14	33.8	0.56	HGL	3.25	<b>3.50</b>	22	<b>84.62%</b>
15	38.2	0.64	HGL	3.50	<b>3.75</b>	22	<b>84.62%</b>
16	54	0.90	Plume	3.75	<b>4.00</b>	23	<b>88.46%</b>
17	55.4	0.92	Plume	4.00	<b>4.25</b>	23	<b>88.46%</b>
18	60	1.00	Plume	4.25	<b>4.50</b>	23	<b>88.46%</b>
19	65.6	1.09	HGL	4.50	<b>4.75</b>	23	<b>88.46%</b>
20	66	1.10	Plume	4.75	<b>5.00</b>	25	<b>96.15%</b>
21	97.6	1.63	Plume	5.00	<b>5.25</b>	25	<b>96.15%</b>
22	120	2.00	HGL	5.25	<b>5.50</b>	25	<b>96.15%</b>
23	228	3.80	HGL	5.50	<b>5.75</b>	25	<b>96.15%</b>
24	294.2	4.90	HGL	5.75	<b>6.00</b>	25	<b>96.15%</b>
25	296.2	4.94	HGL	6.00	<b>6.25</b>	25	<b>96.15%</b>
26	456	7.60	HGL	6.25	<b>6.50</b>	25	<b>96.15%</b>
27				6.50	<b>6.75</b>	25	<b>96.15%</b>
28				6.75	<b>7.00</b>	25	<b>96.15%</b>
29				7.00	<b>7.25</b>	25	<b>96.15%</b>
30				7.25	<b>7.50</b>	25	<b>96.15%</b>
31				7.50	7.75	26	100.00%
32				7.75	8.00	26	100.00%
33				8.00	8.25	26	100.00%
34				8.25	8.50	26	100.00%
35				8.50	8.75	26	100.00%
36				8.75	9.00	26	100.00%
37				9.00	9.25	26	100.00%
38				9.25	9.50	26	100.00%

39	9.50	9.75	26	100.00%
40	9.75	10.00	26	100.00%
41	10.00	10.25	26	100.00%
42	10.25	10.50	26	100.00%
43	10.50	10.75	26	100.00%
44	10.75	11.00	26	100.00%
45	11.00	11.25	26	100.00%
46	11.25	11.50	26	100.00%
47	11.50	11.75	26	100.00%
48	11.75	12.00	26	100.00%
49	12.00	12.25	26	100.00%
50	12.25	12.50	26	100.00%
51	12.50	12.75	26	100.00%
52	12.75	13.00	26	100.00%
53	13.00	13.25	26	100.00%
54	13.25	13.50	26	100.00%
55	13.50	13.75	26	100.00%
	13.75	14.00	26	100.00%
	14.00	14.25	26	100.00%
	14.25	14.50	26	100.00%
	14.50	14.75	26	100.00%
	14.75	15.00	26	100.00%
	15.00	15.25	26	100.00%
	15.25	15.50	26	100.00%
	15.50	15.75	26	100.00%
	15.75	16.00	26	100.00%
	16.00	16.25	26	100.00%
	16.25	16.50	26	100.00%
	16.50	16.75	26	100.00%
	16.75	17.00	26	100.00%
	17.00	17.25	26	100.00%
	17.25	17.50	26	100.00%
	17.50	17.75	26	100.00%
	17.75	18.00	26	100.00%
	18.00	18.25	26	100.00%
	18.25	18.50	26	100.00%
	18.50	18.75	26	100.00%
	18.75	19.00	26	100.00%
	19.00	19.25	26	100.00%
	19.25	19.50	26	100.00%
	19.50	19.75	26	100.00%
	19.75	20.00	26	100.00%



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AC Ungrounded Spurious Operation TS

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Hot Gas Layer			
Cable Type	Intra	inter	Multiple shorts to ground
TS	42.8	No Data	N/A
TS	78.8		
TS	81.4		
TS	100.2		
TS	106.2		
TS	121.4		
TP	14.6	No Data	N/A

Plume			
Cable Type	Intra	inter	Multiple shorts to ground
TS	33.2	No Data	N/A
TS	43.8		
TS	56		
TS	62.4		
TP	No Data	No Data	N/A

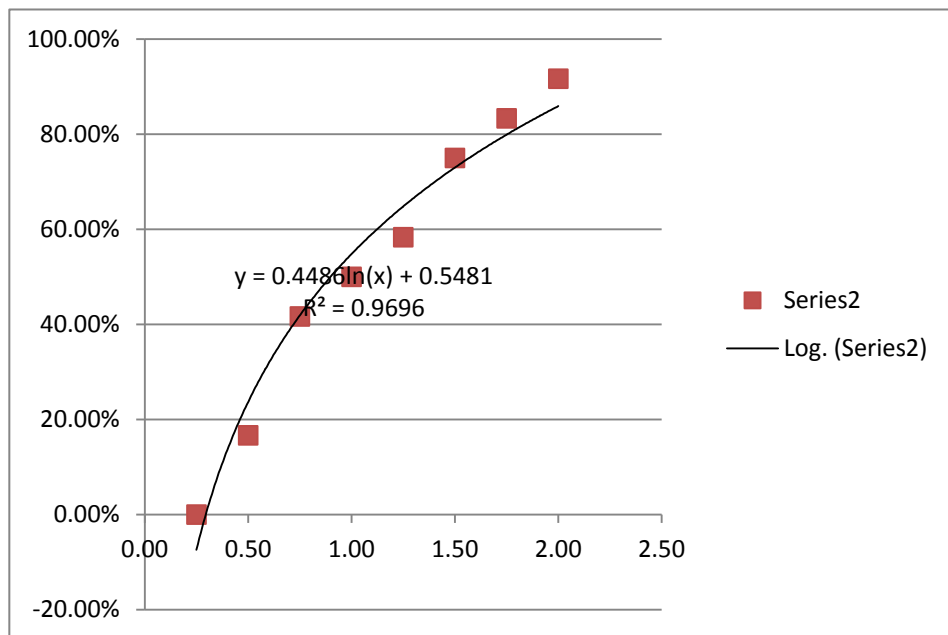
Flame			
Cable Type	Intra	inter	Multiple shorts to ground
TS	17.4	No Data	N/A
TS	29		
TP	0.2	No Data	N/A
TP	0.2		
TP	5		
TP	7.2		
TP	24.6		
	31.6		

Hot Gas Layer-TS				
Trial	Exposure	Cable	C5 Dur.	C6 Dur.
C-IT-1-CK1	Hot Gas Layer	TS	42.8	106.2
C-IT-9-CK1	Hot Gas Layer	TS	121.4	78.8
C-IT-10-CK1	Hot Gas Layer	TS	81.4	100.2

Hot Gas Layer-TP				
Trial	Exposure	Cable	C5 Dur.	C6 Dur.
C-IT-7-CK1	Hot Gas Layer	TP		14.6

Plume-TS				
Trial	Exposure	Cable	C5 Dur.	C6 Dur.
C-IT-13-CK1	Plume	TS	62.4	33.2
C-IT-14-CK1	Plume	TS	43.8	56

	TS Duration (sec)	TS Duration (min)	TS Exposure				
1	17.4	0.29	Flame	0.00	0.25	0	0.00%
2	29	0.48	Flame	0.25	0.50	2	16.67%
3	33.2	0.55	Plume	0.50	0.75	5	41.67%
4	42.8	0.71	HGL	0.75	1.00	6	50.00%
5	43.8	0.73	Plume	1.00	1.25	7	58.33%
6	56	0.93	Plume	1.25	1.50	9	75.00%
7	62.4	1.04	Plume	1.50	1.75	10	83.33%
8	78.8	1.31	HGL	1.75	2.00	11	91.67%
9	81.4	1.36	HGL	2.00	2.25	12	100.00%
10	100.2	1.67	HGL	2.25	2.50	12	100.00%
11	106.2	1.77	HGL	2.50	2.75	12	100.00%
12	121.4	2.02	HGL	2.75	3.00	12	100.00%
13				3.00	3.25	12	100.00%
14				3.25	3.50	12	100.00%
15				3.50	3.75	12	100.00%
16				3.75	4.00	12	100.00%
17				4.00	4.25	12	100.00%
18				4.25	4.50	12	100.00%
19				4.50	4.75	12	100.00%
20				4.75	5.00	12	100.00%
21				5.00	5.25	12	100.00%
22				5.25	5.50	12	100.00%
23				5.50	5.75	12	100.00%
24				5.75	6.00	12	100.00%
25				6.00	6.25	12	100.00%
26				6.25	6.50	12	100.00%
27				6.50	6.75	12	100.00%
28				6.75	7.00	12	100.00%
29				7.00	7.25	12	100.00%
30				7.25	7.50	12	100.00%
31				7.50	7.75	12	100.00%
32				7.75	8.00	12	100.00%
33				8.00	8.25	12	100.00%
34				8.25	8.50	12	100.00%
35				8.50	8.75	12	100.00%
36				8.75	9.00	12	100.00%
37				9.00	9.25	12	100.00%





38	9.25	9.50	12	100.00%
39	9.50	9.75	12	100.00%
40	9.75	10.00	12	100.00%
41	10.00	10.25	12	100.00%
42	10.25	10.50	12	100.00%
43	10.50	10.75	12	100.00%
44	10.75	11.00	12	100.00%
45	11.00	11.25	12	100.00%
46	11.25	11.50	12	100.00%
47	11.50	11.75	12	100.00%
48	11.75	12.00	12	100.00%
49	12.00	12.25	12	100.00%
50	12.25	12.50	12	100.00%
51	12.50	12.75	12	100.00%
52	12.75	13.00	12	100.00%
53	13.00	13.25	12	100.00%
54	13.25	13.50	12	100.00%
55	13.50	13.75	12	100.00%
	13.75	14.00	12	100.00%
	14.00	14.25	12	100.00%
	14.25	14.50	12	100.00%
	14.50	14.75	12	100.00%
	14.75	15.00	12	100.00%
	15.00	15.25	12	100.00%
	15.25	15.50	12	100.00%
	15.50	15.75	12	100.00%
	15.75	16.00	12	100.00%
	16.00	16.25	12	100.00%
	16.25	16.50	12	100.00%
	16.50	16.75	12	100.00%
	16.75	17.00	12	100.00%
	17.00	17.25	12	100.00%
	17.25	17.50	12	100.00%
	17.50	17.75	12	100.00%
	17.75	18.00	12	100.00%
	18.00	18.25	12	100.00%
	18.25	18.50	12	100.00%
	18.50	18.75	12	100.00%
	18.75	19.00	12	100.00%
	19.00	19.25	12	100.00%
	19.25	19.50	12	100.00%
	19.50	19.75	12	100.00%
	19.75	20.00	12	100.00%

Proponent 4  
AC Ungrounded Spurious Operation TP

### AC Ungrounded Spurious Operations TP

Hot Gas Layer			
Cable Type	Intra	inter	Multiple shorts to ground
TS	42.8	No Data	N/A
TS	78.8		
TS	81.4		
TS	100.2		
TS	106.2		
TS	121.4		
TP	14.6	No Data	N/A

Plume			
Cable Type	Intra	inter	Multiple shorts to ground
TS	33.2	No Data	N/A
TS	43.8		
TS	56		
TS	62.4		
TP	No Data	No Data	N/A

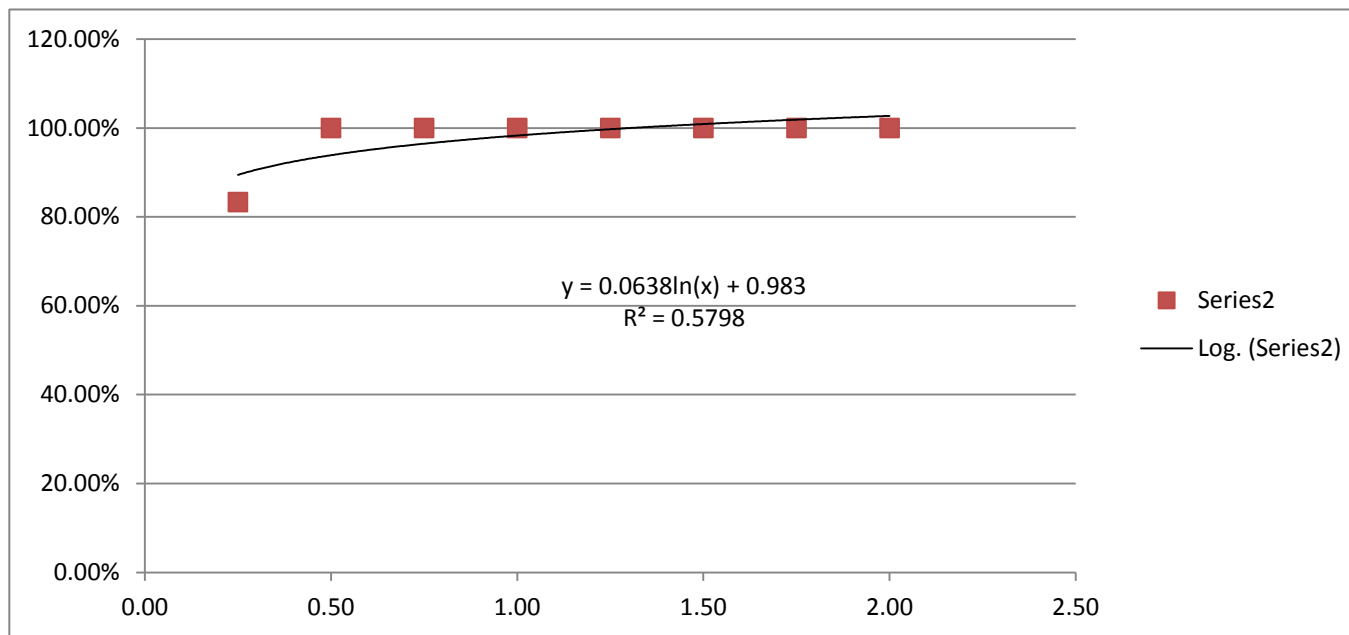
Flame			
Cable Type	Intra	inter	Multiple shorts to ground
TS	17.4	No Data	N/A
TS	29		
TP	0.2	No Data	N/A
TP	0.2		
TP	5		
TP	7.2		
TP	24.6		
	31.6		

Hot Gas Layer-TS				
Trial	Exposure	Cable	C5 Dur.	C6 Dur.
C-IT-1-CK1	Hot Gas Layer	TS	42.8	106.2
C-IT-9-CK1	Hot Gas Layer	TS	121.4	78.8
C-IT-10-CK1	Hot Gas Layer	TS	81.4	100.2

Hot Gas Layer-TP				
Trial	Exposure	Cable	C5 Dur.	C6 Dur.
C-IT-7-CK1	Hot Gas Layer	TP		14.6

Plume-TS				
Trial	Exposure	Cable	C5 Dur.	C6 Dur.
C-IT-13-CK1	Plume	TS	62.4	33.2
C-IT-14-CK1	Plume	TS	43.8	56

	TS Duration (sec)	TS Duration (min)	TS Exposure				
1	0.2	0.00	Flame	0.00	0.25	5	83.33%
2	0.2	0.00	Flame	0.25	0.50	6	100.00%
3	5	0.08	Flame	0.50	0.75	6	100.00%
4	7.2	0.12	Flame	0.75	1.00	6	100.00%
5	14.6	0.24	HGL	1.00	1.25	6	100.00%
6	24.6	0.41	Flame	1.25	1.50	6	100.00%
7				1.50	1.75	6	100.00%
8				1.75	2.00	6	100.00%
9				2.00	2.25	6	100.00%
10				2.25	2.50	6	100.00%
11				2.50	2.75	6	100.00%
12				2.75	3.00	6	100.00%
13				3.00	3.25	6	100.00%
14				3.25	3.50	6	100.00%
15				3.50	3.75	6	100.00%
16				3.75	4.00	6	100.00%
17				4.00	4.25	6	100.00%
18				4.25	4.50	6	100.00%
19				4.50	4.75	6	100.00%
20				4.75	5.00	6	100.00%
21				5.00	5.25	6	100.00%
22				5.25	5.50	6	100.00%
23				5.50	5.75	6	100.00%
24				5.75	6.00	6	100.00%
25				6.00	6.25	6	100.00%
26				6.25	6.50	6	100.00%
27				6.50	6.75	6	100.00%
28				6.75	7.00	6	100.00%
29				7.00	7.25	6	100.00%
30				7.25	7.50	6	100.00%
31				7.50	7.75	6	100.00%
32				7.75	8.00	6	100.00%
33				8.00	8.25	6	100.00%
34				8.25	8.50	6	100.00%
35				8.50	8.75	6	100.00%
36				8.75	9.00	6	100.00%
37				9.00	9.25	6	100.00%
38				9.25	9.50	6	100.00%



39	9.50	9.75	6	100.00%
40	9.75	10.00	6	100.00%
41	10.00	10.25	6	100.00%
42	10.25	10.50	6	100.00%
43	10.50	10.75	6	100.00%
44	10.75	11.00	6	100.00%
45	11.00	11.25	6	100.00%
46	11.25	11.50	6	100.00%
47	11.50	11.75	6	100.00%
48	11.75	12.00	6	100.00%
49	12.00	12.25	6	100.00%
50	12.25	12.50	6	100.00%
51	12.50	12.75	6	100.00%
52	12.75	13.00	6	100.00%
53	13.00	13.25	6	100.00%
54	13.25	13.50	6	100.00%
55	13.50	13.75	6	100.00%
	13.75	14.00	6	100.00%
	14.00	14.25	6	100.00%
	14.25	14.50	6	100.00%
	14.50	14.75	6	100.00%
	14.75	15.00	6	100.00%
	15.00	15.25	6	100.00%
	15.25	15.50	6	100.00%
	15.50	15.75	6	100.00%
	15.75	16.00	6	100.00%
	16.00	16.25	6	100.00%
	16.25	16.50	6	100.00%
	16.50	16.75	6	100.00%
	16.75	17.00	6	100.00%
	17.00	17.25	6	100.00%
	17.25	17.50	6	100.00%
	17.50	17.75	6	100.00%
	17.75	18.00	6	100.00%
	18.00	18.25	6	100.00%
	18.25	18.50	6	100.00%
	18.50	18.75	6	100.00%
	18.75	19.00	6	100.00%
	19.00	19.25	6	100.00%
	19.25	19.50	6	100.00%
	19.50	19.75	6	100.00%
	19.75	20.00	6	100.00%

Proponent 4  
DC Hot Short <10 Amp Fuse - TS

**DC HOT SHORT < 10 - TS**

**DC Ungrounded Hot Shorts ≤10 AMPS**

Hot Gas Layer				Plume				Flame			
Cable Type	Intra	inter	Multiple shorts to ground	Cable Type	Intra	inter	Multiple shorts to ground	Cable Type	Intra	inter	Multiple shorts to ground
TS	6.96	No Data	No Data	TS	3.44	No Data	No Data	TS	2	No Data	No Data
TS	17.5			TS	5.34			TS	2		
TS	38			TS	8.8			TS	2		
TS	67			TS	9			TS	2		
TS	96.25			TS	14			TS	3		
TS	115			TS	14			TS	5		
TS	351.48			TS	27.52			TS	5.22		
TS	388.02			TS	33.44			TS	7		
TS	456.75			TS	75			TS	7		
TS	675			TS	76			TS	9		
TS	831			TS	134			TS	12.18		
TS	855			TS	154			TS	16		
TS	1143			TS	172			TS	17.6		
				TS	172			TS	18		
				TS	244			TS	18		
				TS	259.72			TS	19.58		
				TS	285			TS	22		
				TS	371			TS	24		
				TS	521			TS	26		
				TS	594.52			TS	28		
				TS	667			TS	28		
				TS	724			TS	32.68		
				TS	740			TS	34		
				TS	871			TS	35		
								TS	38		
								TS	44		
								TS	46.44		
								TS	56		
								TS	67.86		
								TS	68		
								TS	76		
								TS	96.25		
								TS	97.44		
								TS	98		
								TS	177		





Hot Gas Layer-TS								
Trial	Case	Exposure	Fuse	T1	T2	T3	T4	T5
D-IT-10-SOV1	TS	Hot Gas Layer	5		17.5	96.25		
D-IT-2-SOV1	TS	Hot Gas Layer	5			675		
D-IT-2-1"Vlv	TS	Hot Gas Layer	5		855			
D-IT-4-SOV2	TS	Hot Gas Layer	5			388.02		
D-IT-10-MOV1	TS	Hot Gas Layer	10	67				456.75
D-IT-2-MOV1	TS	Hot Gas Layer	10	38		115		831
D-IT-2-LrgCl	TS	Hot Gas Layer	10				1143	
D-IT-4-MOV2	TS	Hot Gas Layer	10		6.96			351.48

Hot Gas Layer-TP								
Trial	Case	Exposure	Fuse	T1	T2	T3	T4	T5
D-IT-6-1"Vlv	TP	Hot Gas Layer	5		31			
D-IT-P2-SOV2	TP	Hot Gas Layer	5		165	64.6		
D-IT-P2-MOV2	TP	Hot Gas Layer	10	377				115.6

Plume-TS								
Trial	Case	Exposure	Fuse	T1	T2	T3	T4	T5
D-IT-11-SOV2	TS	Plume	5		5.34	724		
D-IT-12-SOV1	TS	Plume	5			134		
D-IT-12-1"Vlv	TS	Plume	5		154			
D-IT-1-SOV2	TS	Plume	5		33.44	667		
D-IT-3-SOV1	TS	Plume	5			244		
D-IT-3-1"Vlv	TS	Plume	5		371			
D-IT-10-1"Vlv	TS	Plume	5		740			
D-IT-9-SOV2	TS	Plume	5			172		
D-IT-11-MOV2	TS	Plume	10					594.52
D-IT-12-MOV1	TS	Plume	10					76
D-IT-12-LrgCl	TS	Plume	10				75	
D-IT-1-MOV2	TS	Plume	10	8.8			9	521
D-IT-10-LrgCl	TS	Plume	10		14		871	
D-IT-3-MOV1	TS	Plume	10	3.44				285
D-IT-3-LrgCl	TS	Plume	10		14		259.72	
D-IT-9-MOV2	TS	Plume	10	27.52				172

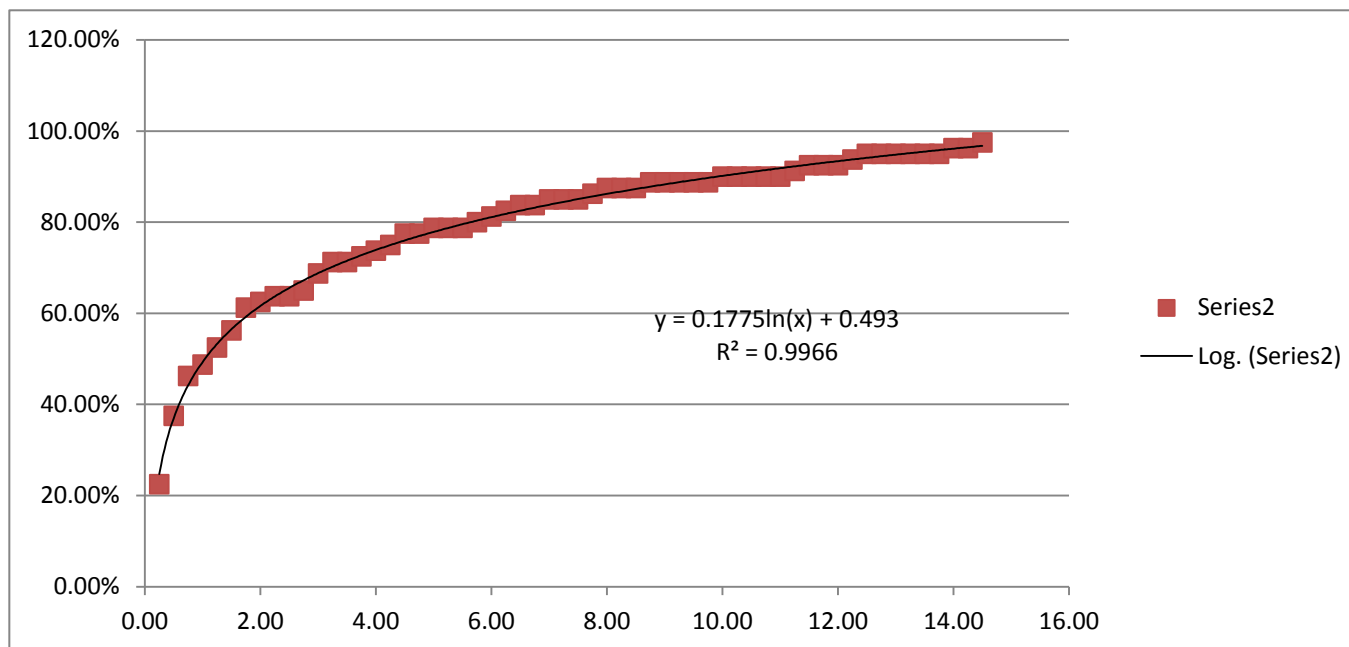
Plume-TP								
Trial	Case	Exposure	Fuse	T1	T2	T3	T4	T5
D-IT-5-SOV2	TP	Plume	5			59.16		
D-IT-5-MOV2	TP	Plume	10	57	2		57	53.94

Flame-TS								
Trial	Case	Exposure	Fuse	T1	T2	T3	T4	T5
D-IT-11-SOV1	TS	Flame	5			236.74		
D-IT-12-SOV2	TS	Flame	5			337		
D-IT-1-1"Vlv	TS	Flame	5		17.6			
D-IT-2-SOV2	TS	Flame	5		67.86	12.18		
D-IT-3-SOV2	TS	Flame	5		24	34		
D-IT-4-SOV1	TS	Flame	5		2	3		
D-IT-4-1"Vlv	TS	Flame	5		5.22			
D-IT-9-SOV1	TS	Flame	5		259.72	414		
D-IT-10-SOV2	TS	Flame	5		7	7		
D-IT-11-MOV1	TS	Flame	10			16	19.58	
D-IT-12-MOV2	TS	Flame	10		182			470
D-IT-1-LrgCl	TS	Flame	10		98		68	
D-IT-2-MOV2	TS	Flame	10	28	2	35	5	96.25
D-IT-3-MOV2	TS	Flame	10	46.44	2	28	2	32.68
D-IT-4-MOV1	TS	Flame	10	38				97.44
D-IT-4-LrgCl	TS	Flame	10				76	
D-IT-1-MOV1	TS	Flame	10	56		44		177
D-IT-9-MOV1	TS	Flame	10	22			9	223.6
D-IT-10-MOV2	TS	Flame	10	18			18	192.5
D-IT-9-LrgCl	TS	Flame	10		26			

Flame-TP								
Trial	Case	Exposure	Fuse	T1	T2	T3	T4	T5
D-IT-6-SOV2	TP	Flame	5		24.22			
D-IT-8-SOV1	TP	Flame	5		83	2		
D-IT-7-1"Vlv	TP	Flame	5		88.23			
D-IT-5-LrgCl	TP	Flame	10		43			
D-IT-7-MOV1	TP	Flame	10		20.76			
D-IT-8-MOV1	TP	Flame	10	97			93	
D-IT-8-LrgCl	TP	Flame	10		124			
D-IT-5-MOV1	TP	Flame	10	12.18		12.18		34.8

	TS Duration (sec)	TS Duration (min)	TS Exposure				
1	2	0.03	Flame	0.00	<b>0.25</b>	18	<b>22.50%</b>
2	2	0.03	Flame	0.25	<b>0.50</b>	30	<b>37.50%</b>
3	2	0.03	Flame	0.50	<b>0.75</b>	37	<b>46.25%</b>
4	2	0.03	Flame	0.75	<b>1.00</b>	39	<b>48.75%</b>
5	3	0.05	Flame	1.00	<b>1.25</b>	42	<b>52.50%</b>
6	3.44	0.06	Plume	1.25	<b>1.50</b>	45	<b>56.25%</b>
7	5	0.08	Flame	1.50	<b>1.75</b>	49	<b>61.25%</b>
8	5.22	0.09	Flame	1.75	<b>2.00</b>	50	<b>62.50%</b>
9	5.34	0.09	Plume	2.00	<b>2.25</b>	51	<b>63.75%</b>
10	6.96	0.12	HGL	2.25	<b>2.50</b>	51	<b>63.75%</b>
11	7	0.12	Flame	2.50	<b>2.75</b>	52	<b>65.00%</b>
12	7	0.12	Flame	2.75	<b>3.00</b>	55	<b>68.75%</b>
13	8.8	0.15	Plume	3.00	<b>3.25</b>	57	<b>71.25%</b>
14	9	0.15	Flame	3.25	<b>3.50</b>	57	<b>71.25%</b>
15	9	0.15	Plume	3.50	<b>3.75</b>	58	<b>72.50%</b>
16	12.18	0.20	Flame	3.75	<b>4.00</b>	59	<b>73.75%</b>
17	14	0.23	Plume	4.00	<b>4.25</b>	60	<b>75.00%</b>
18	14	0.23	Plume	4.25	<b>4.50</b>	62	<b>77.50%</b>
19	16	0.27	Flame	4.50	<b>4.75</b>	62	<b>77.50%</b>
20	17.5	0.29	HGL	4.75	<b>5.00</b>	63	<b>78.75%</b>
21	17.6	0.29	Flame	5.00	<b>5.25</b>	63	<b>78.75%</b>
22	18	0.30	Flame	5.25	<b>5.50</b>	63	<b>78.75%</b>
23	18	0.30	Flame	5.50	<b>5.75</b>	64	<b>80.00%</b>
24	19.58	0.33	Flame	5.75	<b>6.00</b>	65	<b>81.25%</b>
25	22	0.37	Flame	6.00	<b>6.25</b>	66	<b>82.50%</b>
26	24	0.40	Flame	6.25	<b>6.50</b>	67	<b>83.75%</b>
27	26	0.43	Flame	6.50	<b>6.75</b>	67	<b>83.75%</b>
28	27.52	0.46	Plume	6.75	<b>7.00</b>	68	<b>85.00%</b>
29	28	0.47	Flame	7.00	<b>7.25</b>	68	<b>85.00%</b>
30	28	0.47	Flame	7.25	<b>7.50</b>	68	<b>85.00%</b>
31	32.68	0.54	Flame	7.50	<b>7.75</b>	69	<b>86.25%</b>
32	33.44	0.56	Plume	7.75	<b>8.00</b>	70	<b>87.50%</b>
33	34	0.57	Flame	8.00	<b>8.25</b>	70	<b>87.50%</b>
34	35	0.58	Flame	8.25	<b>8.50</b>	70	<b>87.50%</b>
35	38	0.63	Flame	8.50	<b>8.75</b>	71	<b>88.75%</b>
36	38	0.63	HGL	8.75	<b>9.00</b>	71	<b>88.75%</b>
37	44	0.73	Flame	9.00	<b>9.25</b>	71	<b>88.75%</b>

38	46.44	0.77 Flame	9.25	<b>9.50</b>	71	<b>88.75%</b>
39	56	0.93 Flame	9.50	<b>9.75</b>	71	<b>88.75%</b>
40	67	1.12 HGL	9.75	<b>10.00</b>	72	<b>90.00%</b>
41	67.86	1.13 Flame	10.00	<b>10.25</b>	72	<b>90.00%</b>
42	68	1.13 Flame	10.25	<b>10.50</b>	72	<b>90.00%</b>
43	75	1.25 Plume	10.50	<b>10.75</b>	72	<b>90.00%</b>
44	76	1.27 Flame	10.75	<b>11.00</b>	72	<b>90.00%</b>
45	76	1.27 Plume	11.00	<b>11.25</b>	73	<b>91.25%</b>
46	96.25	1.60 Flame	11.25	<b>11.50</b>	74	<b>92.50%</b>
47	96.25	1.60 HGL	11.50	<b>11.75</b>	74	<b>92.50%</b>
48	97.44	1.62 Flame	11.75	<b>12.00</b>	74	<b>92.50%</b>
49	98	1.63 Flame	12.00	<b>12.25</b>	75	<b>93.75%</b>
50	115	1.92 HGL	12.25	<b>12.50</b>	76	<b>95.00%</b>
51	134	2.23 Plume	12.50	<b>12.75</b>	76	<b>95.00%</b>
52	154	2.57 Plume	12.75	<b>13.00</b>	76	<b>95.00%</b>
53	172	2.87 Plume	13.00	<b>13.25</b>	76	<b>95.00%</b>
54	172	2.87 Plume	13.25	<b>13.50</b>	76	<b>95.00%</b>
55	177	2.95 Flame	13.50	<b>13.75</b>	76	<b>95.00%</b>
56	182	3.03 Flame	13.75	<b>14.00</b>	77	<b>96.25%</b>
57	192.5	3.21 Flame	14.00	<b>14.25</b>	77	<b>96.25%</b>
58	223.6	3.73 Flame	14.25	<b>14.50</b>	78	<b>97.50%</b>
59	236.74	3.95 Flame	14.50	14.75	79	98.75%
60	244	4.07 Plume	14.75	15.00	79	98.75%
61	259.72	4.33 Flame	15.00	15.25	79	98.75%
62	259.72	4.33 Plume	15.25	15.50	79	98.75%
63	285	4.75 Plume	15.50	15.75	79	98.75%
64	337	5.62 Flame	15.75	16.00	79	98.75%
65	351.48	5.86 HGL	16.00	16.25	79	98.75%
66	371	6.18 Plume	16.25	16.50	79	98.75%
67	388.02	6.47 HGL	16.50	16.75	79	98.75%
68	414	6.90 Flame	16.75	17.00	79	98.75%
69	456.75	7.61 HGL	17.00	17.25	79	98.75%
70	470	7.83 Flame	17.25	17.50	79	98.75%
71	521	8.68 Plume	17.50	17.75	79	98.75%
72	594.52	9.91 Plume	17.75	18.00	79	98.75%
73	667	11.12 Plume	18.00	18.25	79	98.75%
74	675	11.25 HGL	18.25	18.50	79	98.75%
75	724	12.07 Plume	18.50	18.75	79	98.75%
76	740	12.33 Plume	18.75	19.00	79	98.75%
77	831	13.85 HGL	19.00	19.25	80	100.00%
78	855	14.25 HGL	19.25	19.50	80	100.00%
79	871	14.52 Plume	19.50	19.75	80	100.00%
80	1143	19.05 HGL	19.75	20.00	80	100.00%



Proponent 4  
DC Hot Short <10 Amp Fuse - TP

### DC HOT SHORT < 10 - TP

Hot Gas Layer				Plume				Flame			
Cable Type	Intra	inter	Multiple shorts to ground	Cable Type	Intra	inter	Multiple shorts to ground	Cable Type	Intra	inter	Multiple shorts to ground
TS	6.96	No Data	No Data	TS	3.44	No Data	No Data	TS	2	No Data	No Data
TS	17.5			TS	5.34			TS	2		
TS	38			TS	8.8			TS	2		
TS	67			TS	9			TS	2		
TS	96.25			TS	14			TS	3		
TS	115			TS	14			TS	5		
TS	351.48			TS	27.52			TS	5.22		
TS	388.02			TS	33.44			TS	7		
TS	456.75			TS	75			TS	7		
TS	675			TS	76			TS	9		
TS	831			TS	134			TS	12.18		
TS	855			TS	154			TS	16		
TS	1143			TS	172			TS	17.6		
				TS	172			TS	18		
				TS	244			TS	18		
				TS	259.72			TS	19.58		
				TS	285			TS	22		
				TS	371			TS	24		
				TS	521			TS	26		
				TS	594.52			TS	28		
				TS	667			TS	28		
				TS	724			TS	32.68		
				TS	740			TS	34		
				TS	871			TS	35		
								TS	38		
								TS	44		
								TS	46.44		
								TS	56		
								TS	67.86		
								TS	68		
								TS	76		
								TS	96.25		
								TS	97.44		
								TS	98		





Hot Gas Layer-TS								
Trial	Case	Exposure	Fuse	T1	T2	T3	T4	T5
D-IT-10-SOV1	TS	Hot Gas Layer	5		17.5	96.25		
D-IT-2-SOV1	TS	Hot Gas Layer	5			675		
D-IT-2-1"Vlv	TS	Hot Gas Layer	5		855			
D-IT-4-SOV2	TS	Hot Gas Layer	5			388.02		
D-IT-10-MOV1	TS	Hot Gas Layer	10	67				456.75
D-IT-2-MOV1	TS	Hot Gas Layer	10	38		115		831
D-IT-2-LrgCl	TS	Hot Gas Layer	10				1143	
D-IT-4-MOV2	TS	Hot Gas Layer	10		6.96			351.48

Hot Gas Layer-TP								
Trial	Case	Exposure	Fuse	T1	T2	T3	T4	T5
D-IT-6-1"Vlv	TP	Hot Gas Layer	5		31			
D-IT-P2-SOV2	TP	Hot Gas Layer	5		165	64.6		
D-IT-P2-MOV2	TP	Hot Gas Layer	10	377				115.6

Plume-TS								
Trial	Case	Exposure	Fuse	T1	T2	T3	T4	T5
D-IT-11-SOV2	TS	Plume	5		5.34	724		
D-IT-12-SOV1	TS	Plume	5			134		
D-IT-12-1"Vlv	TS	Plume	5		154			
D-IT-1-SOV2	TS	Plume	5		33.44	667		
D-IT-3-SOV1	TS	Plume	5			244		
D-IT-3-1"Vlv	TS	Plume	5		371			
D-IT-10-1"Vlv	TS	Plume	5		740			
D-IT-9-SOV2	TS	Plume	5			172		
D-IT-11-MOV2	TS	Plume	10					594.52
D-IT-12-MOV1	TS	Plume	10					76
D-IT-12-LrgCl	TS	Plume	10				75	
D-IT-1-MOV2	TS	Plume	10	8.8			9	521
D-IT-10-LrgCl	TS	Plume	10		14		871	
D-IT-3-MOV1	TS	Plume	10	3.44				285
D-IT-3-LrgCl	TS	Plume	10		14		259.72	
D-IT-9-MOV2	TS	Plume	10	27.52				172

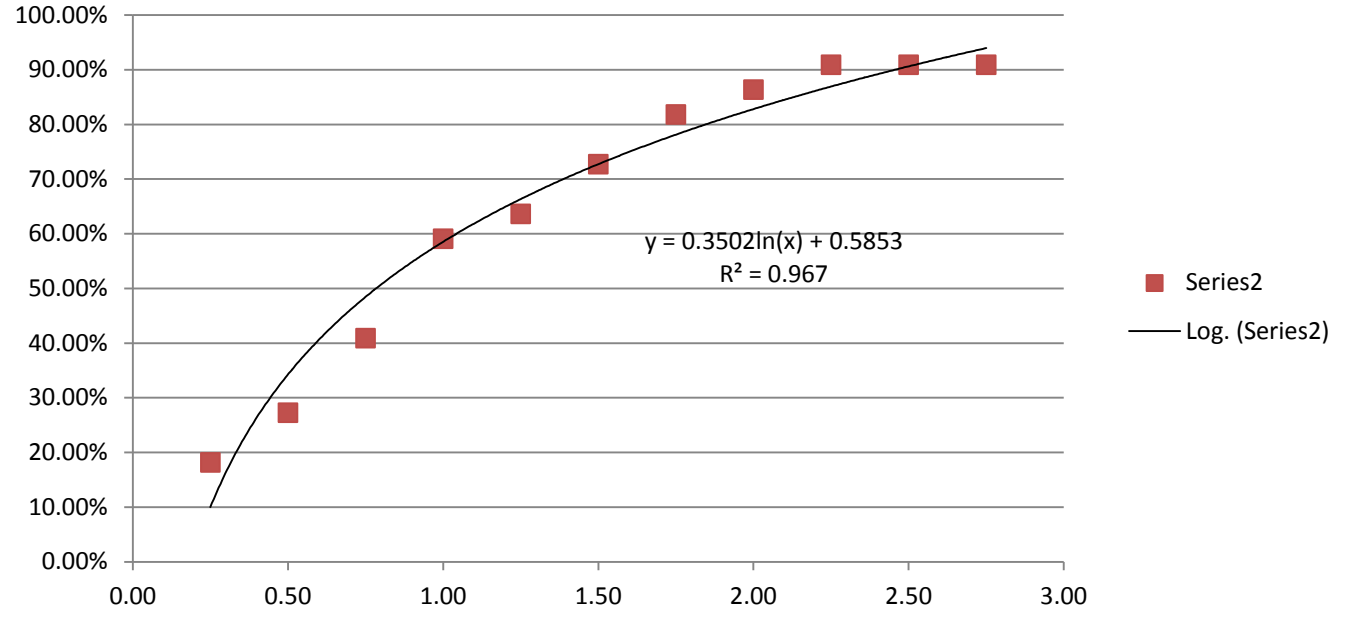
Plume-TP								
Trial	Case	Exposure	Fuse	T1	T2	T3	T4	T5
D-IT-5-SOV2	TP	Plume	5			59.16		
D-IT-5-MOV2	TP	Plume	10	57	2		57	53.94

Flame-TS								
Trial	Case	Exposure	Fuse	T1	T2	T3	T4	T5
D-IT-11-SOV1	TS	Flame	5			236.74		
D-IT-12-SOV2	TS	Flame	5			337		
D-IT-1-1"Vlv	TS	Flame	5		17.6			
D-IT-2-SOV2	TS	Flame	5		67.86	12.18		
D-IT-3-SOV2	TS	Flame	5		24	34		
D-IT-4-SOV1	TS	Flame	5		2	3		
D-IT-4-1"Vlv	TS	Flame	5		5.22			
D-IT-9-SOV1	TS	Flame	5		259.72	414		
D-IT-10-SOV2	TS	Flame	5		7	7		
D-IT-11-MOV1	TS	Flame	10			16	19.58	
D-IT-12-MOV2	TS	Flame	10		182			470
D-IT-1-LrgCl	TS	Flame	10		98		68	
D-IT-2-MOV2	TS	Flame	10	28	2	35	5	96.25
D-IT-3-MOV2	TS	Flame	10	46.44	2	28	2	32.68
D-IT-4-MOV1	TS	Flame	10	38				97.44
D-IT-4-LrgCl	TS	Flame	10				76	
D-IT-1-MOV1	TS	Flame	10	56		44		177
D-IT-9-MOV1	TS	Flame	10	22			9	223.6
D-IT-10-MOV2	TS	Flame	10	18			18	192.5
D-IT-9-LrgCl	TS	Flame	10		26			

Flame-TP								
Trial	Case	Exposure	Fuse	T1	T2	T3	T4	T5
D-IT-6-SOV2	TP	Flame	5		24.22			
D-IT-8-SOV1	TP	Flame	5		83	2		
D-IT-7-1"Vlv	TP	Flame	5		88.23			
D-IT-5-LrgCl	TP	Flame	10		43			
D-IT-7-MOV1	TP	Flame	10		20.76			
D-IT-8-MOV1	TP	Flame	10	97			93	
D-IT-8-LrgCl	TP	Flame	10		124			
D-IT-5-MOV1	TP	Flame	10	12.18		12.18		34.8

	TS Duration (sec)	TS Duration (min)	TS Exposure				
1		2	0.03 Flame	0.00	<b>0.25</b>	4	<b>18.18%</b>
2		2	0.03 Plume	0.25	<b>0.50</b>	6	<b>27.27%</b>
3	12.18		0.20 Flame	0.50	<b>0.75</b>	9	<b>40.91%</b>
4	12.18		0.20 Flame	0.75	<b>1.00</b>	13	<b>59.09%</b>
5	20.76		0.35 Flame	1.00	<b>1.25</b>	14	<b>63.64%</b>
6	24.22		0.40 Flame	1.25	<b>1.50</b>	16	<b>72.73%</b>
7	31		0.52 HGL	1.50	<b>1.75</b>	18	<b>81.82%</b>
8	34.8		0.58 Flame	1.75	<b>2.00</b>	19	<b>86.36%</b>
9	43		0.72 Flame	2.00	<b>2.25</b>	20	<b>90.91%</b>
10	53.94		0.90 Plume	2.25	<b>2.50</b>	20	<b>90.91%</b>
11	57		0.95 Plume	2.50	<b>2.75</b>	20	<b>90.91%</b>
12	57		0.95 Plume	2.75	3.00	21	95.45%
13	59.16		0.99 Plume	3.00	3.25	21	95.45%
14	64.6		1.08 HGL	3.25	3.50	21	95.45%
15	83		1.38 Flame	3.50	3.75	21	95.45%
16	88.23		1.47 Flame	3.75	4.00	21	95.45%
17	93		1.55 Flame	4.00	4.25	21	95.45%
18	97		1.62 Flame	4.25	4.50	21	95.45%
19	115.6		1.93 HGL	4.50	4.75	21	95.45%
20	124		2.07 Flame	4.75	5.00	21	95.45%
21	165		2.75 HGL	5.00	5.25	21	95.45%
22	377		6.28 HGL	5.25	5.50	21	95.45%
23				5.50	5.75	21	95.45%
24				5.75	6.00	21	95.45%
25				6.00	6.25	21	95.45%
26				6.25	6.50	22	100.00%
27				6.50	6.75	22	100.00%
28				6.75	7.00	22	100.00%
29				7.00	7.25	22	100.00%
30				7.25	7.50	22	100.00%
31				7.50	7.75	22	100.00%
32				7.75	8.00	22	100.00%
33				8.00	8.25	22	100.00%
34				8.25	8.50	22	100.00%
35				8.50	8.75	22	100.00%
36				8.75	9.00	22	100.00%
37				9.00	9.25	22	100.00%

38	9.25	9.50	22	100.00%
39	9.50	9.75	22	100.00%
40	9.75	10.00	22	100.00%
41	10.00	10.25	22	100.00%
42	10.25	10.50	22	100.00%
43	10.50	10.75	22	100.00%
44	10.75	11.00	22	100.00%
45	11.00	11.25	22	100.00%
46	11.25	11.50	22	100.00%
47	11.50	11.75	22	100.00%
48	11.75	12.00	22	100.00%
49	12.00	12.25	22	100.00%
50	12.25	12.50	22	100.00%
51	12.50	12.75	22	100.00%
52	12.75	13.00	22	100.00%
53	13.00	13.25	22	100.00%
54	13.25	13.50	22	100.00%
55	13.50	13.75	22	100.00%
56	13.75	14.00	22	100.00%
57	14.00	14.25	22	100.00%
58	14.25	14.50	22	100.00%
59	14.50	14.75	22	100.00%
60	14.75	15.00	22	100.00%
61	15.00	15.25	22	100.00%
62	15.25	15.50	22	100.00%
63	15.50	15.75	22	100.00%
64	15.75	16.00	22	100.00%
65	16.00	16.25	22	100.00%
66	16.25	16.50	22	100.00%
67	16.50	16.75	22	100.00%
68	16.75	17.00	22	100.00%
69	17.00	17.25	22	100.00%
70	17.25	17.50	22	100.00%
71	17.50	17.75	22	100.00%
72	17.75	18.00	22	100.00%
73	18.00	18.25	22	100.00%
74	18.25	18.50	22	100.00%
75	18.50	18.75	22	100.00%
76	18.75	19.00	22	100.00%
77	19.00	19.25	22	100.00%
78	19.25	19.50	22	100.00%
79	19.50	19.75	22	100.00%
80	19.75	20.00	22	100.00%



Proponent 4  
DC Spurious Operation <10 Amp Fuse - TS

### DC SPURIOUS OPERATION <10 - TS

Hot Gas Layer				Plume				Flame			
Cable Type	Intra	inter	Multiple shorts to ground	Cable Type	Intra	inter	Multiple shorts to ground	Cable Type	Intra	inter	Multiple shorts to ground
TS	34.8	No Data	67	TS	3.44	No Data	5	TS	2	No Data	5
TS	69.6			TS	9		24	TS	3		16
TS	115			TS	12.32		28	TS	3.56		33
				TS	20.64		36	TS	5		37
				TS	46		51	TS	10		83
							59	TS	23		107
								TS	30		
								TS	33		
								TS	34		
								TS	37		
								TS	45		
								TS	80.04		
								TS	104.92		
TP	26	No Data	No Data	TP	75	No Data	No Data	TP	14	No Data	12
TP	90			TP	198.36			TP	17.4		97
								TP	47		
								TP	62.28		
								TP	90		
								TP	91.69		
								TP	124		



Hot Gas Layer-TS							
Trial	Case	Exposure	Fuse	T1	T2	T3	T4
D-IT-2-SOV1	TS	Hot Gas Layer	5	69.6			
D-IT-4-SOV2	TS	Hot Gas Layer	5	34.8			
D-IT-2-MOV1	TS	Hot Gas Layer	10				115

Hot Gas Layer-TP							
Trial	Case	Exposure	Fuse	T1	T2	T3	T4
D-IT-6-1"Vlv	TP	Hot Gas Layer	5	90			
D-IT-6-MOV1	TP	Hot Gas Layer	10				26
Plume-TS							
Trial	Case	Exposure	Fuse	T1	T2	T3	T4
D-IT-1-SOV2	TS	Plume	5	12.32			
D-IT-3-SOV1	TS	Plume	5	20.64			
D-IT-10-1"Vlv	TS	Plume	5	9			
D-IT-1-MOV2	TS	Plume	10				46
D-IT-3-MOV1	TS	Plume	10				3.44

Plume-TP							
Trial	Case	Exposure	Fuse	T1	T2	T3	T4
D-IT-5-SOV2	TP	Plume	5	198.36			
D-IT-5-MOV2	TP	Plume	10				75
Flame-TS							
Trial	Case	Exposure	Fuse	T1	T2	T3	T4
D-IT-11-1"Vlv	TS	Flame	5	34			
D-IT-1-1"Vlv	TS	Flame	5	33			
D-IT-2-SOV2	TS	Flame	5	80.04			
D-IT-4-1"Vlv	TS	Flame	5	3			
D-IT-9-SOV1	TS	Flame	5	104.92			
D-IT-9-1"Vlv	TS	Flame	5	10			
D-IT-11-LrgCl	TS	Flame	10				3.56
D-IT-2-MOV2	TS	Flame	10				23
D-IT-3-MOV2	TS	Flame	10				2
D-IT-4-MOV1	TS	Flame	10				37
D-IT-9-LrgCl	TS	Flame	10				5

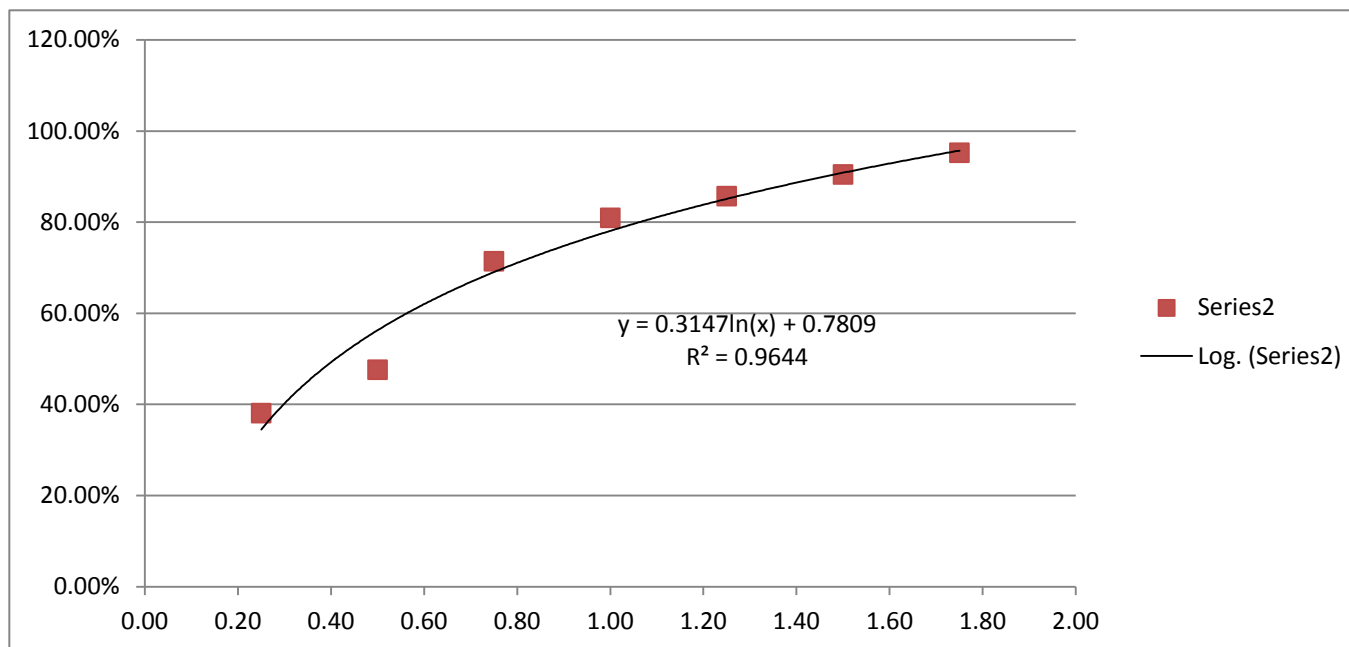
Flame-TP							
Trial	Case	Exposure	Fuse	T1	T2	T3	T4
D-IT-7-SOV1	TP	Flame	5	62.28			
D-IT-8-SOV1	TP	Flame	5	91.69			
D-IT-7-1"Vlv	TP	Flame	5	47			
D-IT-5-LrgCl	TP	Flame	10				90
D-IT-6-MOV2	TP	Flame	10				14
D-IT-8-LrgCl	TP	Flame	10				124

D-IT-5-MOV1	TP	Flame	10			17.4
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TS Duration (sec)	TS Duration (min)	TS Exposure				
1	2	0.03 Flame	0.00	<b>0.25</b>	8	<b>38.10%</b>
2	3	0.05 Flame	0.25	<b>0.50</b>	10	<b>47.62%</b>
3	3.44	0.06 Plume	0.50	<b>0.75</b>	15	<b>71.43%</b>
4	3.56	0.06 Flame	0.75	<b>1.00</b>	17	<b>80.95%</b>
5	5	0.08 Flame	1.00	<b>1.25</b>	18	<b>85.71%</b>
6	9	0.15 Plume	1.25	<b>1.50</b>	19	<b>90.48%</b>
7	10	0.17 Flame	1.50	<b>1.75</b>	20	<b>95.24%</b>
8	12.32	0.21 Plume	1.75	2.00	21	100.00%
9	20.64	0.34 Plume	2.00	2.25	21	100.00%
10	23	0.38 Flame	2.25	2.50	21	100.00%
11	30	0.50 Flame	2.50	2.75	21	100.00%
12	33	0.55 Flame	2.75	3.00	21	100.00%
13	34	0.57 Flame	3.00	3.25	21	100.00%
14	34.8	0.58 HGL	3.25	3.50	21	100.00%
15	37	0.62 Flame	3.50	3.75	21	100.00%
16	45	0.75 Flame	3.75	4.00	21	100.00%
17	46	0.77 Plume	4.00	4.25	21	100.00%
18	69.6	1.16 HGL	4.25	4.50	21	100.00%
19	80.04	1.33 Flame	4.50	4.75	21	100.00%
20	104.92	1.75 Flame	4.75	5.00	21	100.00%
21	115	1.92 HGL	5.00	5.25	21	100.00%
22			5.25	5.50	21	100.00%
23			5.50	5.75	21	100.00%
24			5.75	6.00	21	100.00%
25			6.00	6.25	21	100.00%
26			6.25	6.50	21	100.00%
27			6.50	6.75	21	100.00%
28			6.75	7.00	21	100.00%
29			7.00	7.25	21	100.00%
30			7.25	7.50	21	100.00%
31			7.50	7.75	21	100.00%
32			7.75	8.00	21	100.00%
33			8.00	8.25	21	100.00%
34			8.25	8.50	21	100.00%
35			8.50	8.75	21	100.00%

36	8.75	9.00	21	100.00%
37	9.00	9.25	21	100.00%
38	9.25	9.50	21	100.00%
39	9.50	9.75	21	100.00%
40	9.75	10.00	21	100.00%
41	10.00	10.25	21	100.00%
42	10.25	10.50	21	100.00%
43	10.50	10.75	21	100.00%
44	10.75	11.00	21	100.00%
45	11.00	11.25	21	100.00%
46	11.25	11.50	21	100.00%
47	11.50	11.75	21	100.00%
48	11.75	12.00	21	100.00%
49	12.00	12.25	21	100.00%
50	12.25	12.50	21	100.00%
51	12.50	12.75	21	100.00%
52	12.75	13.00	21	100.00%
53	13.00	13.25	21	100.00%
54	13.25	13.50	21	100.00%
55	13.50	13.75	21	100.00%
56	13.75	14.00	21	100.00%
57	14.00	14.25	21	100.00%
58	14.25	14.50	21	100.00%
59	14.50	14.75	21	100.00%
60	14.75	15.00	21	100.00%
61	15.00	15.25	21	100.00%
62	15.25	15.50	21	100.00%
63	15.50	15.75	21	100.00%
64	15.75	16.00	21	100.00%
65	16.00	16.25	21	100.00%
66	16.25	16.50	21	100.00%
67	16.50	16.75	21	100.00%
68	16.75	17.00	21	100.00%
69	17.00	17.25	21	100.00%
70	17.25	17.50	21	100.00%
71	17.50	17.75	21	100.00%
72	17.75	18.00	21	100.00%
73	18.00	18.25	21	100.00%
74	18.25	18.50	21	100.00%
75	18.50	18.75	21	100.00%
76	18.75	19.00	21	100.00%
77	19.00	19.25	21	100.00%
78	19.25	19.50	21	100.00%
79	19.50	19.75	21	100.00%
80	19.75	20.00	21	100.00%







Proponent 4  
DC Spurious Operation <10 Amp Fuse - TP





Hot Gas Layer-TS							
Trial	Case	Exposure	Fuse	T1	T2	T3	T4
D-IT-2-SOV1	TS	Hot Gas Layer	5	69.6			
D-IT-4-SOV2	TS	Hot Gas Layer	5	34.8			
D-IT-2-MOV1	TS	Hot Gas Layer	10				115

Hot Gas Layer-TP							
Trial	Case	Exposure	Fuse	T1	T2	T3	T4
D-IT-6-1"Vlv	TP	Hot Gas Layer	5	90			
D-IT-6-MOV1	TP	Hot Gas Layer	10			26	

Plume-TS							
Trial	Case	Exposure	Fuse	T1	T2	T3	T4
D-IT-1-SOV2	TS	Plume	5	12.32			
D-IT-3-SOV1	TS	Plume	5	20.64			
D-IT-10-1"Vlv	TS	Plume	5	9			
D-IT-1-MOV2	TS	Plume	10			46	
D-IT-3-MOV1	TS	Plume	10				3.44

Plume-TP							
Trial	Case	Exposure	Fuse	T1	T2	T3	T4
D-IT-5-SOV2	TP	Plume	5	198.36			
D-IT-5-MOV2	TP	Plume	10			75	

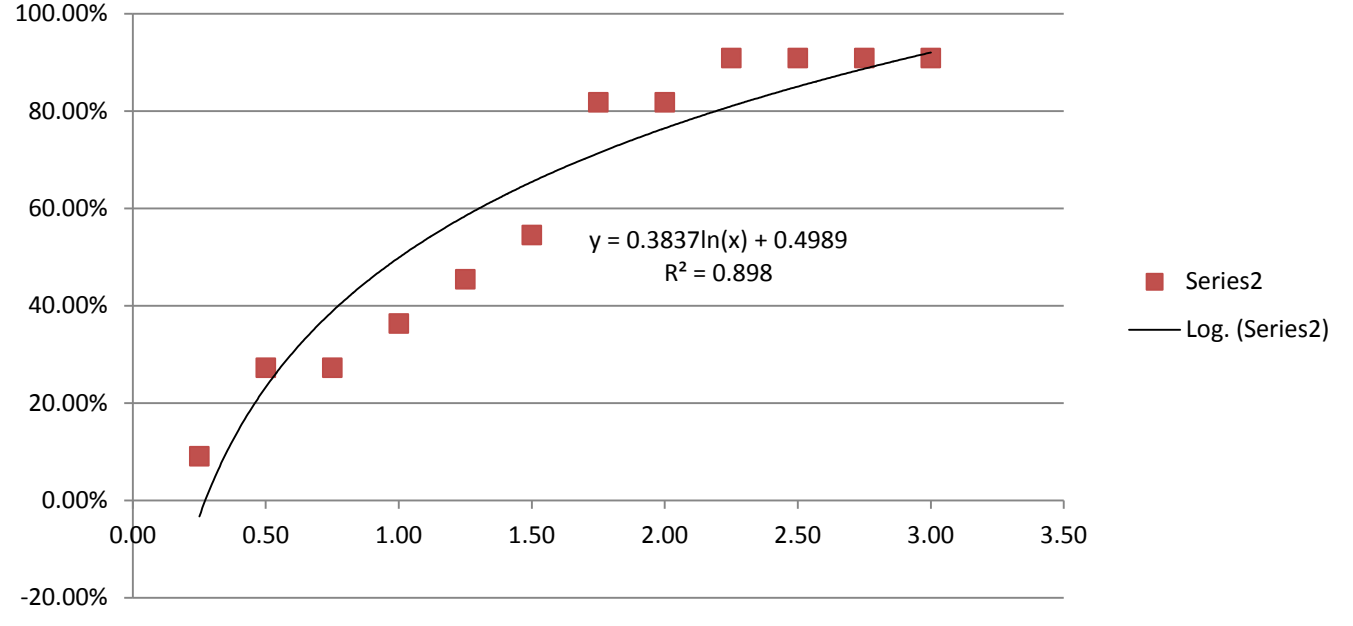
Flame-TS							
Trial	Case	Exposure	Fuse	T1	T2	T3	T4
D-IT-11-1"Vlv	TS	Flame	5	34			
D-IT-1-1"Vlv	TS	Flame	5	33			
D-IT-2-SOV2	TS	Flame	5	80.04			
D-IT-4-1"Vlv	TS	Flame	5	3			
D-IT-9-SOV1	TS	Flame	5	104.92			
D-IT-9-1"Vlv	TS	Flame	5	10			
D-IT-11-LrgCl	TS	Flame	10			3.56	
D-IT-2-MOV2	TS	Flame	10			23	30
D-IT-3-MOV2	TS	Flame	10			2	45
D-IT-4-MOV1	TS	Flame	10				37
D-IT-9-LrgCl	TS	Flame	10			5	

Flame-TP							
Trial	Case	Exposure	Fuse	T1	T2	T3	T4
D-IT-7-SOV1	TP	Flame	5	62.28			
D-IT-8-SOV1	TP	Flame	5	91.69			
D-IT-7-1"Vlv	TP	Flame	5	47			
D-IT-5-LrgCl	TP	Flame	10			90	
D-IT-6-MOV2	TP	Flame	10			14	
D-IT-8-LrgCl	TP	Flame	10			124	
D-IT-5-MOV1	TP	Flame	10				17.4

Flame		
Intra	inter	Multiple shorts to ground
2	No Data	5
3		16
3.56		33
5		37
10		83
23		107
30		
33		
34		
37		
45		
80.04		
104.92		
14	No Data	12
17.4		97
47		
62.28		
90		
91.69		
124		

TS Duration (sec)	TS Duration (min)	TS Exposure				
1	14	0.23 Flame	0.00	<b>0.25</b>	1	<b>9.09%</b>
2	17.4	0.29 Flame	0.25	<b>0.50</b>	3	<b>27.27%</b>
3	26	0.43 HGL	0.50	<b>0.75</b>	3	<b>27.27%</b>
4	47	0.78 Flame	0.75	<b>1.00</b>	4	<b>36.36%</b>
5	62.28	1.04 Flame	1.00	<b>1.25</b>	5	<b>45.45%</b>
6	75	1.25 Plume	1.25	<b>1.50</b>	6	<b>54.55%</b>
7	90	1.50 Flame	1.50	<b>1.75</b>	9	<b>81.82%</b>
8	90	1.50 HGL	1.75	<b>2.00</b>	9	<b>81.82%</b>
9	91.69	1.53 Flame	2.00	<b>2.25</b>	10	<b>90.91%</b>
10	124	2.07 Flame	2.25	<b>2.50</b>	10	<b>90.91%</b>
11	198.36	3.31 Plume	2.50	<b>2.75</b>	10	<b>90.91%</b>
12			2.75	<b>3.00</b>	10	<b>90.91%</b>
13			3.00	3.25	11	100.00%
14			3.25	3.50	11	100.00%
15			3.50	3.75	11	100.00%
16			3.75	4.00	11	100.00%
17			4.00	4.25	11	100.00%
18			4.25	4.50	11	100.00%
19			4.50	4.75	11	100.00%
20			4.75	5.00	11	100.00%
21			5.00	5.25	11	100.00%
22			5.25	5.50	11	100.00%
23			5.50	5.75	11	100.00%
24			5.75	6.00	11	100.00%
25			6.00	6.25	11	100.00%
26			6.25	6.50	11	100.00%
27			6.50	6.75	11	100.00%
28			6.75	7.00	11	100.00%
29			7.00	7.25	11	100.00%
30			7.25	7.50	11	100.00%
31			7.50	7.75	11	100.00%
32			7.75	8.00	11	100.00%
33			8.00	8.25	11	100.00%
34			8.25	8.50	11	100.00%
35			8.50	8.75	11	100.00%
36			8.75	9.00	11	100.00%

37	9.00	9.25	11	100.00%
38	9.25	9.50	11	100.00%
39	9.50	9.75	11	100.00%
40	9.75	10.00	11	100.00%
41	10.00	10.25	11	100.00%
42	10.25	10.50	11	100.00%
43	10.50	10.75	11	100.00%
44	10.75	11.00	11	100.00%
45	11.00	11.25	11	100.00%
46	11.25	11.50	11	100.00%
47	11.50	11.75	11	100.00%
48	11.75	12.00	11	100.00%
49	12.00	12.25	11	100.00%
50	12.25	12.50	11	100.00%
51	12.50	12.75	11	100.00%
52	12.75	13.00	11	100.00%
53	13.00	13.25	11	100.00%
54	13.25	13.50	11	100.00%
55	13.50	13.75	11	100.00%
56	13.75	14.00	11	100.00%
57	14.00	14.25	11	100.00%
58	14.25	14.50	11	100.00%
59	14.50	14.75	11	100.00%
60	14.75	15.00	11	100.00%
61	15.00	15.25	11	100.00%
62	15.25	15.50	11	100.00%
63	15.50	15.75	11	100.00%
64	15.75	16.00	11	100.00%
65	16.00	16.25	11	100.00%
66	16.25	16.50	11	100.00%
67	16.50	16.75	11	100.00%
68	16.75	17.00	11	100.00%
69	17.00	17.25	11	100.00%
70	17.25	17.50	11	100.00%
71	17.50	17.75	11	100.00%
72	17.75	18.00	11	100.00%
73	18.00	18.25	11	100.00%
74	18.25	18.50	11	100.00%
75	18.50	18.75	11	100.00%
76	18.75	19.00	11	100.00%
77	19.00	19.25	11	100.00%
78	19.25	19.50	11	100.00%
79	19.50	19.75	11	100.00%
80	19.75	20.00	11	100.00%

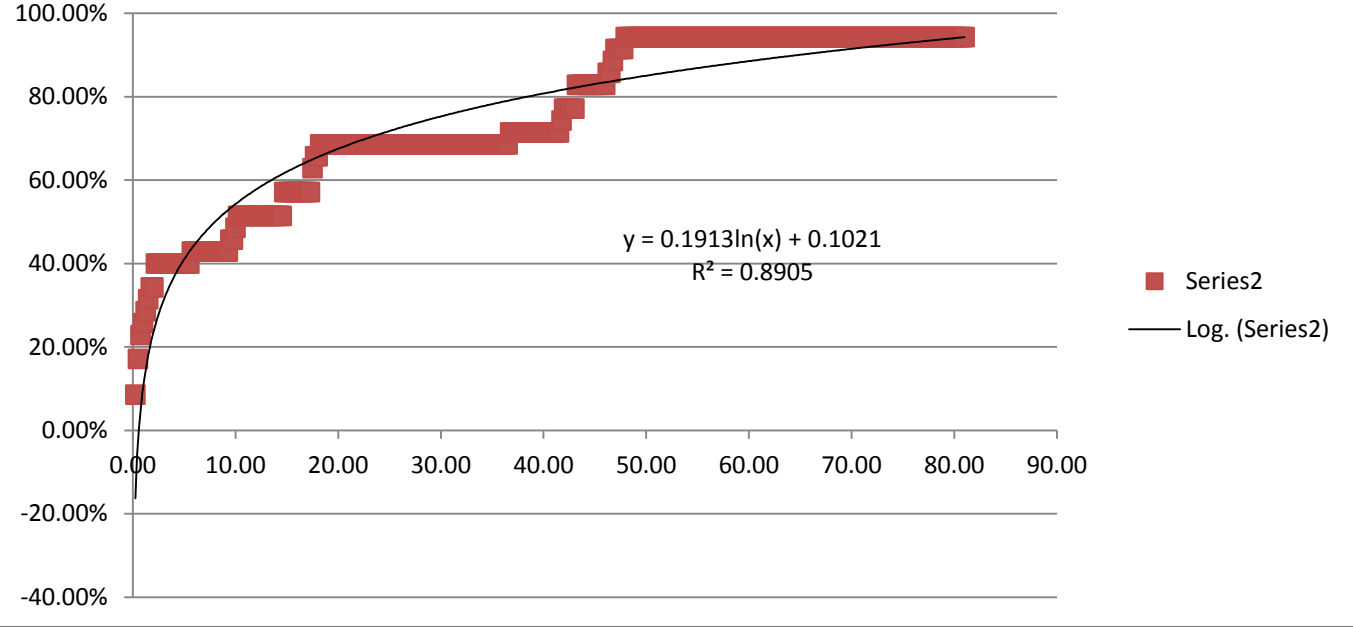


Proponent 4  
DC Ungrounded Hot Shorts >10 Amp Fuse – TS



	TS Duration (sec)	TS Duration (min)	TS Exposure				
1	6.8	0.11	Plume	0.00	<b>0.25</b>	3	<b>8.57%</b>
2	8.5	0.14	HGL	0.25	<b>0.50</b>	6	<b>17.14%</b>
3	10.2	0.17	Flame	0.50	<b>0.75</b>	8	<b>22.86%</b>
4	18.7	0.31	Flame	0.75	<b>1.00</b>	9	<b>25.71%</b>
5	25	0.42	Flame	1.00	<b>1.25</b>	10	<b>28.57%</b>
6	26	0.43	Flame	1.25	<b>1.50</b>	11	<b>31.43%</b>
7	35.7	0.60	Flame	1.50	<b>1.75</b>	12	<b>34.29%</b>
8	42	0.70	Flame	1.75	<b>2.00</b>	12	<b>34.29%</b>
9	51	0.85	Flame	2.00	<b>2.25</b>	14	<b>40.00%</b>
10	62.9	1.05	Flame	2.25	<b>2.50</b>	14	<b>40.00%</b>
11	81	1.35	Plume	2.50	<b>2.75</b>	14	<b>40.00%</b>
12	91	1.52	Flame	2.75	<b>3.00</b>	14	<b>40.00%</b>
13	132	2.20	Flame	3.00	<b>3.25</b>	14	<b>40.00%</b>
14	134	2.23	Flame	3.25	<b>3.50</b>	14	<b>40.00%</b>
15	340	5.67	Plume	3.50	<b>3.75</b>	14	<b>40.00%</b>
16	569	9.48	Flame	3.75	<b>4.00</b>	14	<b>40.00%</b>
17	589	9.82	Flame	4.00	<b>4.25</b>	14	<b>40.00%</b>
18	601	10.02	Flame	4.25	<b>4.50</b>	14	<b>40.00%</b>
19	880	14.67	Plume	4.50	<b>4.75</b>	14	<b>40.00%</b>
20	880	14.67	Plume	4.75	<b>5.00</b>	14	<b>40.00%</b>
21	1042	17.37	Flame	5.00	<b>5.25</b>	14	<b>40.00%</b>
22	1045	17.42	Flame	5.25	<b>5.50</b>	14	<b>40.00%</b>
23	1052	17.53	HGL	5.50	<b>5.75</b>	15	<b>42.86%</b>
24	1086	18.10	HGL	5.75	<b>6.00</b>	15	<b>42.86%</b>
25	2194	36.57	Plume	6.00	<b>6.25</b>	15	<b>42.86%</b>
26	2502	41.70	Plume	6.25	<b>6.50</b>	15	<b>42.86%</b>
27	2511	41.85	Plume	6.50	<b>6.75</b>	15	<b>42.86%</b>
28	2588	43.13	Plume	6.75	<b>7.00</b>	15	<b>42.86%</b>
29	2590	43.17	Plume	7.00	<b>7.25</b>	15	<b>42.86%</b>
30	2763	46.05	Flame	7.25	<b>7.50</b>	15	<b>42.86%</b>
31	2804	46.73	Flame	7.50	<b>7.75</b>	15	<b>42.86%</b>
32	2817	46.95	Flame	7.75	<b>8.00</b>	15	<b>42.86%</b>
33	2873	47.88	Flame	8.00	<b>8.25</b>	15	<b>42.86%</b>
34	4869	81.15	HGL	8.25	<b>8.50</b>	15	<b>42.86%</b>
35	4871	81.18	HGL	8.50	<b>8.75</b>	15	<b>42.86%</b>
36				8.75	<b>9.00</b>	15	<b>42.86%</b>
37				9.00	<b>9.25</b>	15	<b>42.86%</b>
38				9.25	<b>9.50</b>	16	<b>45.71%</b>
39				9.50	<b>9.75</b>	16	<b>45.71%</b>





Hot Gas Layer-TS								
Trial	Case	Exposure	Fuse	T1	T2	T3	T4	T5
D-IT-4-Trp	TS	Hot Gas Layer	35	8.5	1052	1086	4871	4869

Hot Gas Layer-TP								
Trial	Case	Exposure	Fuse	T1	T2	T3	T4	T5
D-IT-9-Cls	TS	Plume	15	880				
D-IT-1-Trp	TS	Plume	35	81	340	2194	2588	2502
D-IT-9-Trp	TS	Plume	35		6.8	880	2590	2511

Plume-TS								
Trial	Case	Exposure	Fuse	T1	T2	T3	T4	T5
D-IT-5-Cls	TP	Plume	15	5.1				
D-IT-7-Cls	TP	Plume	15	992				
D-IT-5-Trp	TP	Plume	35	25.5	135	1400	2073	2077
D-IT-7-Trp	TP	Plume	35	35		252	1083	1089

Flame-TS								
Trial	Case	Exposure	Fuse	T1	T2	T3	T4	T5
D-IT-3-Cls	TS	Flame	15	10.2				
D-IT-C1-Trp	TS	Flame	35	25	26	569	589	601
D-IT-P1-Trp	TS	Flame	35	18.7	51	35.7	134	132
D-IT-3-Trp	TS	Flame	35	91	1042	1045	2763	2804
D-IT-10-Trp	TS	Flame	35	42	62.9		2817	2873

Flame-TP								
Trial	Case	Exposure	Fuse	T1	T2	T3	T4	T5
D-IT-6-Cls	TP	Flame	15	652				
D-IT-C2-Trp	TP	Flame	35	2		3	6	6
D-IT-6-Trp	TP	Flame	35	5.1	209	348	1567	1567

40	9.75	<b>10.00</b>	17	<b>48.57%</b>
41	10.00	<b>10.25</b>	18	<b>51.43%</b>
42	10.25	<b>10.50</b>	18	<b>51.43%</b>
43	10.50	<b>10.75</b>	18	<b>51.43%</b>
44	10.75	<b>11.00</b>	18	<b>51.43%</b>
45	11.00	<b>11.25</b>	18	<b>51.43%</b>
46	11.25	<b>11.50</b>	18	<b>51.43%</b>
47	11.50	<b>11.75</b>	18	<b>51.43%</b>
48	11.75	<b>12.00</b>	18	<b>51.43%</b>
49	12.00	<b>12.25</b>	18	<b>51.43%</b>
50	12.25	<b>12.50</b>	18	<b>51.43%</b>
51	12.50	<b>12.75</b>	18	<b>51.43%</b>
52	12.75	<b>13.00</b>	18	<b>51.43%</b>
53	13.00	<b>13.25</b>	18	<b>51.43%</b>
54	13.25	<b>13.50</b>	18	<b>51.43%</b>
55	13.50	<b>13.75</b>	18	<b>51.43%</b>
56	13.75	<b>14.00</b>	18	<b>51.43%</b>
57	14.00	<b>14.25</b>	18	<b>51.43%</b>
58	14.25	<b>14.50</b>	18	<b>51.43%</b>
59	14.50	<b>14.75</b>	20	<b>57.14%</b>
60	14.75	<b>15.00</b>	20	<b>57.14%</b>
61	15.00	<b>15.25</b>	20	<b>57.14%</b>
62	15.25	<b>15.50</b>	20	<b>57.14%</b>
63	15.50	<b>15.75</b>	20	<b>57.14%</b>
64	15.75	<b>16.00</b>	20	<b>57.14%</b>
65	16.00	<b>16.25</b>	20	<b>57.14%</b>
66	16.25	<b>16.50</b>	20	<b>57.14%</b>
67	16.50	<b>16.75</b>	20	<b>57.14%</b>
68	16.75	<b>17.00</b>	20	<b>57.14%</b>
69	17.00	<b>17.25</b>	20	<b>57.14%</b>
70	17.25	<b>17.50</b>	22	<b>62.86%</b>
71	17.50	<b>17.75</b>	23	<b>65.71%</b>
72	17.75	<b>18.00</b>	23	<b>65.71%</b>
73	18.00	<b>18.25</b>	24	<b>68.57%</b>
74	18.25	<b>18.50</b>	24	<b>68.57%</b>
75	18.50	<b>18.75</b>	24	<b>68.57%</b>
76	18.75	<b>19.00</b>	24	<b>68.57%</b>
77	19.00	<b>19.25</b>	24	<b>68.57%</b>
78	19.25	<b>19.50</b>	24	<b>68.57%</b>
79	19.50	<b>19.75</b>	24	<b>68.57%</b>
80	19.75	<b>20.00</b>	24	<b>68.57%</b>
	20.00	<b>20.25</b>	24	<b>68.57%</b>
	20.25	<b>20.50</b>	24	<b>68.57%</b>
	20.50	<b>20.75</b>	24	<b>68.57%</b>
	20.75	<b>21.00</b>	24	<b>68.57%</b>

21.00	<b>21.25</b>	24	<b>68.57%</b>
21.25	<b>21.50</b>	24	<b>68.57%</b>
21.50	<b>21.75</b>	24	<b>68.57%</b>
21.75	<b>22.00</b>	24	<b>68.57%</b>
22.00	<b>22.25</b>	24	<b>68.57%</b>
22.25	<b>22.50</b>	24	<b>68.57%</b>
22.50	<b>22.75</b>	24	<b>68.57%</b>
22.75	<b>23.00</b>	24	<b>68.57%</b>
23.00	<b>23.25</b>	24	<b>68.57%</b>
23.25	<b>23.50</b>	24	<b>68.57%</b>
23.50	<b>23.75</b>	24	<b>68.57%</b>
23.75	<b>24.00</b>	24	<b>68.57%</b>
24.00	<b>24.25</b>	24	<b>68.57%</b>
24.25	<b>24.50</b>	24	<b>68.57%</b>
24.50	<b>24.75</b>	24	<b>68.57%</b>
24.75	<b>25.00</b>	24	<b>68.57%</b>
25.00	<b>25.25</b>	24	<b>68.57%</b>
25.25	<b>25.50</b>	24	<b>68.57%</b>
25.50	<b>25.75</b>	24	<b>68.57%</b>
25.75	<b>26.00</b>	24	<b>68.57%</b>
26.00	<b>26.25</b>	24	<b>68.57%</b>
26.25	<b>26.50</b>	24	<b>68.57%</b>
26.50	<b>26.75</b>	24	<b>68.57%</b>
26.75	<b>27.00</b>	24	<b>68.57%</b>
27.00	<b>27.25</b>	24	<b>68.57%</b>
27.25	<b>27.50</b>	24	<b>68.57%</b>
27.50	<b>27.75</b>	24	<b>68.57%</b>
27.75	<b>28.00</b>	24	<b>68.57%</b>
28.00	<b>28.25</b>	24	<b>68.57%</b>
28.25	<b>28.50</b>	24	<b>68.57%</b>
28.50	<b>28.75</b>	24	<b>68.57%</b>
28.75	<b>29.00</b>	24	<b>68.57%</b>
29.00	<b>29.25</b>	24	<b>68.57%</b>
29.25	<b>29.50</b>	24	<b>68.57%</b>
29.50	<b>29.75</b>	24	<b>68.57%</b>
29.75	<b>30.00</b>	24	<b>68.57%</b>
30.00	<b>30.25</b>	24	<b>68.57%</b>
30.25	<b>30.50</b>	24	<b>68.57%</b>
30.50	<b>30.75</b>	24	<b>68.57%</b>
30.75	<b>31.00</b>	24	<b>68.57%</b>
31.00	<b>31.25</b>	24	<b>68.57%</b>
31.25	<b>31.50</b>	24	<b>68.57%</b>
31.50	<b>31.75</b>	24	<b>68.57%</b>
31.75	<b>32.00</b>	24	<b>68.57%</b>
32.00	<b>32.25</b>	24	<b>68.57%</b>

32.25	<b>32.50</b>	24	<b>68.57%</b>
32.50	<b>32.75</b>	24	<b>68.57%</b>
32.75	<b>33.00</b>	24	<b>68.57%</b>
33.00	<b>33.25</b>	24	<b>68.57%</b>
33.25	<b>33.50</b>	24	<b>68.57%</b>
33.50	<b>33.75</b>	24	<b>68.57%</b>
33.75	<b>34.00</b>	24	<b>68.57%</b>
34.00	<b>34.25</b>	24	<b>68.57%</b>
34.25	<b>34.50</b>	24	<b>68.57%</b>
34.50	<b>34.75</b>	24	<b>68.57%</b>
34.75	<b>35.00</b>	24	<b>68.57%</b>
35.00	<b>35.25</b>	24	<b>68.57%</b>
35.25	<b>35.50</b>	24	<b>68.57%</b>
35.50	<b>35.75</b>	24	<b>68.57%</b>
35.75	<b>36.00</b>	24	<b>68.57%</b>
36.00	<b>36.25</b>	24	<b>68.57%</b>
36.25	<b>36.50</b>	24	<b>68.57%</b>
36.50	<b>36.75</b>	25	<b>71.43%</b>
36.75	<b>37.00</b>	25	<b>71.43%</b>
37.00	<b>37.25</b>	25	<b>71.43%</b>
37.25	<b>37.50</b>	25	<b>71.43%</b>
37.50	<b>37.75</b>	25	<b>71.43%</b>
37.75	<b>38.00</b>	25	<b>71.43%</b>
38.00	<b>38.25</b>	25	<b>71.43%</b>
38.25	<b>38.50</b>	25	<b>71.43%</b>
38.50	<b>38.75</b>	25	<b>71.43%</b>
38.75	<b>39.00</b>	25	<b>71.43%</b>
39.00	<b>39.25</b>	25	<b>71.43%</b>
39.25	<b>39.50</b>	25	<b>71.43%</b>
39.50	<b>39.75</b>	25	<b>71.43%</b>
39.75	<b>40.00</b>	25	<b>71.43%</b>
40.00	<b>40.25</b>	25	<b>71.43%</b>
40.25	<b>40.50</b>	25	<b>71.43%</b>
40.50	<b>40.75</b>	25	<b>71.43%</b>
40.75	<b>41.00</b>	25	<b>71.43%</b>
41.00	<b>41.25</b>	25	<b>71.43%</b>
41.25	<b>41.50</b>	25	<b>71.43%</b>
41.50	<b>41.75</b>	26	<b>74.29%</b>
41.75	<b>42.00</b>	27	<b>77.14%</b>
42.00	<b>42.25</b>	27	<b>77.14%</b>
42.25	<b>42.50</b>	27	<b>77.14%</b>
42.50	<b>42.75</b>	27	<b>77.14%</b>
42.75	<b>43.00</b>	27	<b>77.14%</b>
43.00	<b>43.25</b>	29	<b>82.86%</b>
43.25	<b>43.50</b>	29	<b>82.86%</b>
43.50	<b>43.75</b>	29	<b>82.86%</b>

43.75	<b>44.00</b>	29	<b>82.86%</b>
44.00	<b>44.25</b>	29	<b>82.86%</b>
44.25	<b>44.50</b>	29	<b>82.86%</b>
44.50	<b>44.75</b>	29	<b>82.86%</b>
44.75	<b>45.00</b>	29	<b>82.86%</b>
45.00	<b>45.25</b>	29	<b>82.86%</b>
45.25	<b>45.50</b>	29	<b>82.86%</b>
45.50	<b>45.75</b>	29	<b>82.86%</b>
45.75	<b>46.00</b>	29	<b>82.86%</b>
46.00	<b>46.25</b>	30	<b>85.71%</b>
46.25	<b>46.50</b>	30	<b>85.71%</b>
46.50	<b>46.75</b>	31	<b>88.57%</b>
46.75	<b>47.00</b>	32	<b>91.43%</b>
47.00	<b>47.25</b>	32	<b>91.43%</b>
47.25	<b>47.50</b>	32	<b>91.43%</b>
47.50	<b>47.75</b>	32	<b>91.43%</b>
47.75	<b>48.00</b>	33	<b>94.29%</b>
48.00	<b>48.25</b>	33	<b>94.29%</b>
48.25	<b>48.50</b>	33	<b>94.29%</b>
48.50	<b>48.75</b>	33	<b>94.29%</b>
48.75	<b>49.00</b>	33	<b>94.29%</b>
49.00	<b>49.25</b>	33	<b>94.29%</b>
49.25	<b>49.50</b>	33	<b>94.29%</b>
49.50	<b>49.75</b>	33	<b>94.29%</b>
49.75	<b>50.00</b>	33	<b>94.29%</b>
50.00	<b>50.25</b>	33	<b>94.29%</b>
50.25	<b>50.50</b>	33	<b>94.29%</b>
50.50	<b>50.75</b>	33	<b>94.29%</b>
50.75	<b>51.00</b>	33	<b>94.29%</b>
51.00	<b>51.25</b>	33	<b>94.29%</b>
51.25	<b>51.50</b>	33	<b>94.29%</b>
51.50	<b>51.75</b>	33	<b>94.29%</b>
51.75	<b>52.00</b>	33	<b>94.29%</b>
52.00	<b>52.25</b>	33	<b>94.29%</b>
52.25	<b>52.50</b>	33	<b>94.29%</b>
52.50	<b>52.75</b>	33	<b>94.29%</b>
52.75	<b>53.00</b>	33	<b>94.29%</b>
53.00	<b>53.25</b>	33	<b>94.29%</b>
53.25	<b>53.50</b>	33	<b>94.29%</b>
53.50	<b>53.75</b>	33	<b>94.29%</b>
53.75	<b>54.00</b>	33	<b>94.29%</b>
54.00	<b>54.25</b>	33	<b>94.29%</b>
54.25	<b>54.50</b>	33	<b>94.29%</b>
54.50	<b>54.75</b>	33	<b>94.29%</b>
54.75	<b>55.00</b>	33	<b>94.29%</b>
55.00	<b>55.25</b>	33	<b>94.29%</b>

55.25	<b>55.50</b>	33	<b>94.29%</b>
55.50	<b>55.75</b>	33	<b>94.29%</b>
55.75	<b>56.00</b>	33	<b>94.29%</b>
56.00	<b>56.25</b>	33	<b>94.29%</b>
56.25	<b>56.50</b>	33	<b>94.29%</b>
56.50	<b>56.75</b>	33	<b>94.29%</b>
56.75	<b>57.00</b>	33	<b>94.29%</b>
57.00	<b>57.25</b>	33	<b>94.29%</b>
57.25	<b>57.50</b>	33	<b>94.29%</b>
57.50	<b>57.75</b>	33	<b>94.29%</b>
57.75	<b>58.00</b>	33	<b>94.29%</b>
58.00	<b>58.25</b>	33	<b>94.29%</b>
58.25	<b>58.50</b>	33	<b>94.29%</b>
58.50	<b>58.75</b>	33	<b>94.29%</b>
58.75	<b>59.00</b>	33	<b>94.29%</b>
59.00	<b>59.25</b>	33	<b>94.29%</b>
59.25	<b>59.50</b>	33	<b>94.29%</b>
59.50	<b>59.75</b>	33	<b>94.29%</b>
59.75	<b>60.00</b>	33	<b>94.29%</b>
60.00	<b>60.25</b>	33	<b>94.29%</b>
60.25	<b>60.50</b>	33	<b>94.29%</b>
60.50	<b>60.75</b>	33	<b>94.29%</b>
60.75	<b>61.00</b>	33	<b>94.29%</b>
61.00	<b>61.25</b>	33	<b>94.29%</b>
61.25	<b>61.50</b>	33	<b>94.29%</b>
61.50	<b>61.75</b>	33	<b>94.29%</b>
61.75	<b>62.00</b>	33	<b>94.29%</b>
62.00	<b>62.25</b>	33	<b>94.29%</b>
62.25	<b>62.50</b>	33	<b>94.29%</b>
62.50	<b>62.75</b>	33	<b>94.29%</b>
62.75	<b>63.00</b>	33	<b>94.29%</b>
63.00	<b>63.25</b>	33	<b>94.29%</b>
63.25	<b>63.50</b>	33	<b>94.29%</b>
63.50	<b>63.75</b>	33	<b>94.29%</b>
63.75	<b>64.00</b>	33	<b>94.29%</b>
64.00	<b>64.25</b>	33	<b>94.29%</b>
64.25	<b>64.50</b>	33	<b>94.29%</b>
64.50	<b>64.75</b>	33	<b>94.29%</b>
64.75	<b>65.00</b>	33	<b>94.29%</b>
65.00	<b>65.25</b>	33	<b>94.29%</b>
65.25	<b>65.50</b>	33	<b>94.29%</b>
65.50	<b>65.75</b>	33	<b>94.29%</b>
65.75	<b>66.00</b>	33	<b>94.29%</b>
66.00	<b>66.25</b>	33	<b>94.29%</b>
66.25	<b>66.50</b>	33	<b>94.29%</b>
66.50	<b>66.75</b>	33	<b>94.29%</b>

66.75	<b>67.00</b>	33	<b>94.29%</b>
67.00	<b>67.25</b>	33	<b>94.29%</b>
67.25	<b>67.50</b>	33	<b>94.29%</b>
67.50	<b>67.75</b>	33	<b>94.29%</b>
67.75	<b>68.00</b>	33	<b>94.29%</b>
68.00	<b>68.25</b>	33	<b>94.29%</b>
68.25	<b>68.50</b>	33	<b>94.29%</b>
68.50	<b>68.75</b>	33	<b>94.29%</b>
68.75	<b>69.00</b>	33	<b>94.29%</b>
69.00	<b>69.25</b>	33	<b>94.29%</b>
69.25	<b>69.50</b>	33	<b>94.29%</b>
69.50	<b>69.75</b>	33	<b>94.29%</b>
69.75	<b>70.00</b>	33	<b>94.29%</b>
70.00	<b>70.25</b>	33	<b>94.29%</b>
70.25	<b>70.50</b>	33	<b>94.29%</b>
70.50	<b>70.75</b>	33	<b>94.29%</b>
70.75	<b>71.00</b>	33	<b>94.29%</b>
71.00	<b>71.25</b>	33	<b>94.29%</b>
71.25	<b>71.50</b>	33	<b>94.29%</b>
71.50	<b>71.75</b>	33	<b>94.29%</b>
71.75	<b>72.00</b>	33	<b>94.29%</b>
72.00	<b>72.25</b>	33	<b>94.29%</b>
72.25	<b>72.50</b>	33	<b>94.29%</b>
72.50	<b>72.75</b>	33	<b>94.29%</b>
72.75	<b>73.00</b>	33	<b>94.29%</b>
73.00	<b>73.25</b>	33	<b>94.29%</b>
73.25	<b>73.50</b>	33	<b>94.29%</b>
73.50	<b>73.75</b>	33	<b>94.29%</b>
73.75	<b>74.00</b>	33	<b>94.29%</b>
74.00	<b>74.25</b>	33	<b>94.29%</b>
74.25	<b>74.50</b>	33	<b>94.29%</b>
74.50	<b>74.75</b>	33	<b>94.29%</b>
74.75	<b>75.00</b>	33	<b>94.29%</b>
75.00	<b>75.25</b>	33	<b>94.29%</b>
75.25	<b>75.50</b>	33	<b>94.29%</b>
75.50	<b>75.75</b>	33	<b>94.29%</b>
75.75	<b>76.00</b>	33	<b>94.29%</b>
76.00	<b>76.25</b>	33	<b>94.29%</b>
76.25	<b>76.50</b>	33	<b>94.29%</b>
76.50	<b>76.75</b>	33	<b>94.29%</b>
76.75	<b>77.00</b>	33	<b>94.29%</b>
77.00	<b>77.25</b>	33	<b>94.29%</b>
77.25	<b>77.50</b>	33	<b>94.29%</b>
77.50	<b>77.75</b>	33	<b>94.29%</b>
77.75	<b>78.00</b>	33	<b>94.29%</b>
78.00	<b>78.25</b>	33	<b>94.29%</b>



78.25	<b>78.50</b>	33	<b>94.29%</b>
78.50	<b>78.75</b>	33	<b>94.29%</b>
78.75	<b>79.00</b>	33	<b>94.29%</b>
79.00	<b>79.25</b>	33	<b>94.29%</b>
79.25	<b>79.50</b>	33	<b>94.29%</b>
79.50	<b>79.75</b>	33	<b>94.29%</b>
79.75	<b>80.00</b>	33	<b>94.29%</b>
80.00	<b>80.25</b>	33	<b>94.29%</b>
80.25	<b>80.50</b>	33	<b>94.29%</b>
80.50	<b>80.75</b>	33	<b>94.29%</b>
80.75	<b>81.00</b>	33	<b>94.29%</b>
81.00	81.25	35	100.00%
81.25	81.50	35	100.00%
81.50	81.75	35	100.00%
81.75	82.00	35	100.00%
82.00	82.25	35	100.00%
82.25	82.50	35	100.00%
82.50	82.75	35	100.00%
82.75	83.00	35	100.00%
83.00	83.25	35	100.00%
83.25	83.50	35	100.00%
83.50	83.75	35	100.00%
83.75	84.00	35	100.00%
84.00	84.25	35	100.00%
84.25	84.50	35	100.00%
84.50	84.75	35	100.00%
84.75	85.00	35	100.00%
85.00	85.25	35	100.00%
85.25	85.50	35	100.00%
85.50	85.75	35	100.00%
85.75	86.00	35	100.00%
86.00	86.25	35	100.00%
86.25	86.50	35	100.00%
86.50	86.75	35	100.00%
86.75	87.00	35	100.00%
87.00	87.25	35	100.00%
87.25	87.50	35	100.00%
87.50	87.75	35	100.00%
87.75	88.00	35	100.00%
88.00	88.25	35	100.00%
88.25	88.50	35	100.00%
88.50	88.75	35	100.00%
88.75	89.00	35	100.00%
89.00	89.25	35	100.00%
89.25	89.50	35	100.00%
89.50	89.75	35	100.00%

Proponent 4  
DC Ungrounded Hot Shorts >10 Amp Fuse

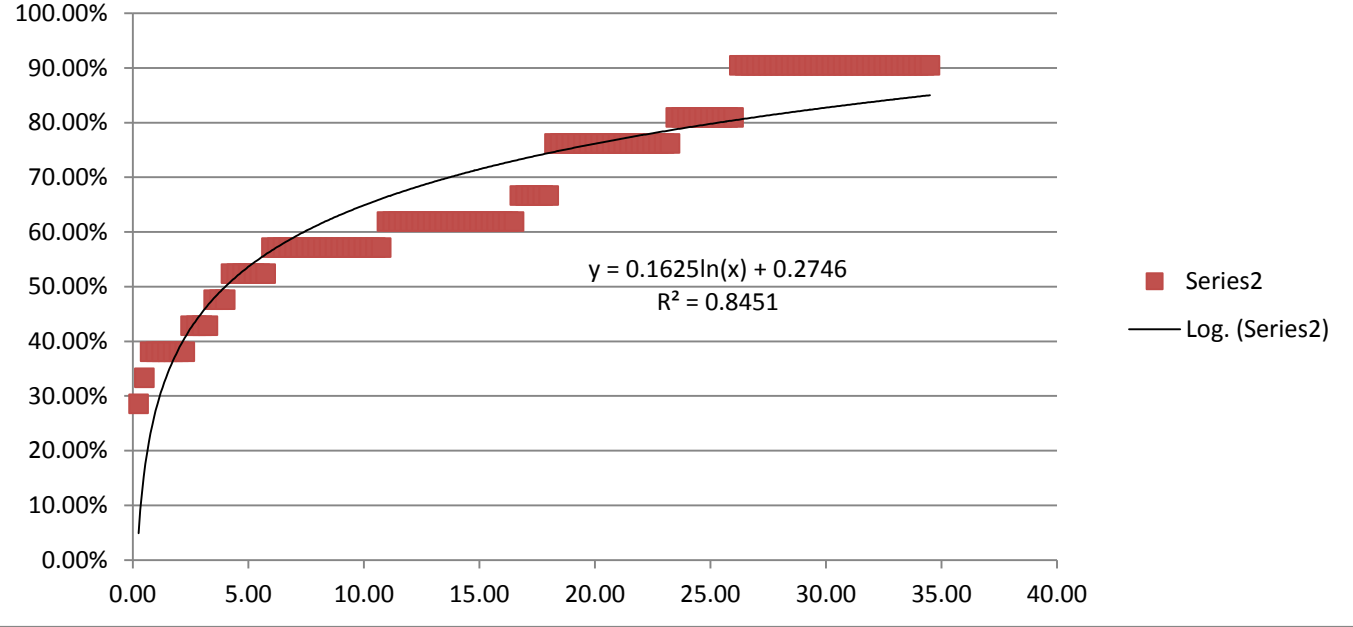
**DC Ungrounded Hot Shorts >10 AMPS**

Hot Gas Layer			
Cable Type	Intra	inter	Multiple shorts to ground
TS	8.5	No Data	No Data
TS	1052		
TS	1086		
TS	4869		
TS	4871		
	No Data	No Data	No Data

Plume			
Cable Type	Intra	inter	Multiple shorts to ground
TS	6.8	No Data	No Data
TS	81		
TS	340		
TS	880		
TS	880		
TS	2194		
TS	2502		
TS	2511		
TS	2588		
TS	2590		
TP	5.1	No Data	No Data
TP	25.5		
TP	35		
TP	135		
TP	252		
TP	992		
TP	1083		
TP	1089		
TP	1400		
TP	2073		
TP	2077		

Flame			
Cable Type	Intra	inter	Multiple shorts to ground
TS	10.2	No Data	No Data
TS	18.7		
TS	25		
TS	26		
TS	35.7		
TS	42		
TS	51		
TS	62.9		
TS	91		
TS	132		
TS	134		
TS	569		
TS	589		
TS	601		
TS	1042		
TS	1045		
TS	2763		
TS	2804		
TS	2817		
TS	2873		
TP	2	No Data	No Data
TP	3		
TP	5.1		
TP	6		
TP	6		
TP	209		
TP	348		
TP	652		
TP	1567		
TP	1567		

	TS Duration (sec)	TS Duration (min)	TS Exposure				
1	2	0.03	Flame	0.00	<b>0.25</b>	6	<b>28.57%</b>
2	3	0.05	Flame	0.25	<b>0.50</b>	7	<b>33.33%</b>
3	5.1	0.09	Flame	0.50	<b>0.75</b>	8	<b>38.10%</b>
4	5.1	0.09	Plume	0.75	<b>1.00</b>	8	<b>38.10%</b>
5	6	0.10	Flame	1.00	<b>1.25</b>	8	<b>38.10%</b>
6	6	0.10	Flame	1.25	<b>1.50</b>	8	<b>38.10%</b>
7	25.5	0.43	Plume	1.50	<b>1.75</b>	8	<b>38.10%</b>
8	35	0.58	Plume	1.75	<b>2.00</b>	8	<b>38.10%</b>
9	135	2.25	Plume	2.00	<b>2.25</b>	8	<b>38.10%</b>
10	209	3.48	Flame	2.25	<b>2.50</b>	9	<b>42.86%</b>
11	252	4.20	Plume	2.50	<b>2.75</b>	9	<b>42.86%</b>
12	348	5.80	Flame	2.75	<b>3.00</b>	9	<b>42.86%</b>
13	652	10.87	Flame	3.00	<b>3.25</b>	9	<b>42.86%</b>
14	992	16.53	Plume	3.25	<b>3.50</b>	10	<b>47.62%</b>
15	1083	18.05	Plume	3.50	<b>3.75</b>	10	<b>47.62%</b>
16	1089	18.15	Plume	3.75	<b>4.00</b>	10	<b>47.62%</b>
17	1400	23.33	Plume	4.00	<b>4.25</b>	11	<b>52.38%</b>
18	1567	26.12	Flame	4.25	<b>4.50</b>	11	<b>52.38%</b>
19	1567	26.12	Flame	4.50	<b>4.75</b>	11	<b>52.38%</b>
20	2073	34.55	Plume	4.75	<b>5.00</b>	11	<b>52.38%</b>
21	2077	34.62	Plume	5.00	<b>5.25</b>	11	<b>52.38%</b>
22				5.25	<b>5.50</b>	11	<b>52.38%</b>
23				5.50	<b>5.75</b>	11	<b>52.38%</b>
24				5.75	<b>6.00</b>	12	<b>57.14%</b>
25				6.00	<b>6.25</b>	12	<b>57.14%</b>
26				6.25	<b>6.50</b>	12	<b>57.14%</b>
27				6.50	<b>6.75</b>	12	<b>57.14%</b>
28				6.75	<b>7.00</b>	12	<b>57.14%</b>
29				7.00	<b>7.25</b>	12	<b>57.14%</b>
30				7.25	<b>7.50</b>	12	<b>57.14%</b>
31				7.50	<b>7.75</b>	12	<b>57.14%</b>
32				7.75	<b>8.00</b>	12	<b>57.14%</b>
33				8.00	<b>8.25</b>	12	<b>57.14%</b>
34				8.25	<b>8.50</b>	12	<b>57.14%</b>
35				8.50	<b>8.75</b>	12	<b>57.14%</b>
36				8.75	<b>9.00</b>	12	<b>57.14%</b>
37				9.00	<b>9.25</b>	12	<b>57.14%</b>
38				9.25	<b>9.50</b>	12	<b>57.14%</b>
39				9.50	<b>9.75</b>	12	<b>57.14%</b>



Hot Gas Layer-TS								
Trial	Case	Exposure	Fuse	T1	T2	T3	T4	T5
D-IT-4-Trp	TS	Hot Gas Layer	35	8.5	1052	1086	4871	4869

Hot Gas Layer-TP								
Trial	Case	Exposure	Fuse	T1	T2	T3	T4	T5
D-IT-9-Cls	TS	Plume	15	880				
D-IT-1-Trp	TS	Plume	35	81	340	2194	2588	2502
D-IT-9-Trp	TS	Plume	35		6.8	880	2590	2511

Plume-TS								
Trial	Case	Exposure	Fuse	T1	T2	T3	T4	T5
D-IT-5-Cls	TP	Plume	15	5.1				
D-IT-7-Cls	TP	Plume	15	992				
D-IT-5-Trp	TP	Plume	35	25.5	135	1400	2073	2077
D-IT-7-Trp	TP	Plume	35	35		252	1083	1089

Flame-TS								
Trial	Case	Exposure	Fuse	T1	T2	T3	T4	T5
D-IT-3-Cls	TS	Flame	15	10.2				
D-IT-C1-Trp	TS	Flame	35	25	26	569	589	601
D-IT-P1-Trp	TS	Flame	35	18.7	51	35.7	134	132
D-IT-3-Trp	TS	Flame	35	91	1042	1045	2763	2804
D-IT-10-Trp	TS	Flame	35	42	62.9		2817	2873

Flame-TP								
Trial	Case	Exposure	Fuse	T1	T2	T3	T4	T5
D-IT-6-Cls	TP	Flame	15	652				
D-IT-C2-Trp	TP	Flame	35	2		3	6	6
D-IT-6-Trp	TP	Flame	35	5.1	209	348	1567	1567

40	9.75	<b>10.00</b>	12	<b>57.14%</b>
41	10.00	<b>10.25</b>	12	<b>57.14%</b>
42	10.25	<b>10.50</b>	12	<b>57.14%</b>
43	10.50	<b>10.75</b>	12	<b>57.14%</b>
44	10.75	<b>11.00</b>	13	<b>61.90%</b>
45	11.00	<b>11.25</b>	13	<b>61.90%</b>
46	11.25	<b>11.50</b>	13	<b>61.90%</b>
47	11.50	<b>11.75</b>	13	<b>61.90%</b>
48	11.75	<b>12.00</b>	13	<b>61.90%</b>
49	12.00	<b>12.25</b>	13	<b>61.90%</b>
50	12.25	<b>12.50</b>	13	<b>61.90%</b>
51	12.50	<b>12.75</b>	13	<b>61.90%</b>
52	12.75	<b>13.00</b>	13	<b>61.90%</b>
53	13.00	<b>13.25</b>	13	<b>61.90%</b>
54	13.25	<b>13.50</b>	13	<b>61.90%</b>
55	13.50	<b>13.75</b>	13	<b>61.90%</b>
56	13.75	<b>14.00</b>	13	<b>61.90%</b>
57	14.00	<b>14.25</b>	13	<b>61.90%</b>
58	14.25	<b>14.50</b>	13	<b>61.90%</b>
59	14.50	<b>14.75</b>	13	<b>61.90%</b>
60	14.75	<b>15.00</b>	13	<b>61.90%</b>
61	15.00	<b>15.25</b>	13	<b>61.90%</b>
62	15.25	<b>15.50</b>	13	<b>61.90%</b>
63	15.50	<b>15.75</b>	13	<b>61.90%</b>
64	15.75	<b>16.00</b>	13	<b>61.90%</b>
65	16.00	<b>16.25</b>	13	<b>61.90%</b>
66	16.25	<b>16.50</b>	13	<b>61.90%</b>
67	16.50	<b>16.75</b>	14	<b>66.67%</b>
68	16.75	<b>17.00</b>	14	<b>66.67%</b>
69	17.00	<b>17.25</b>	14	<b>66.67%</b>
70	17.25	<b>17.50</b>	14	<b>66.67%</b>
71	17.50	<b>17.75</b>	14	<b>66.67%</b>
72	17.75	<b>18.00</b>	14	<b>66.67%</b>
73	18.00	<b>18.25</b>	16	<b>76.19%</b>
74	18.25	<b>18.50</b>	16	<b>76.19%</b>
75	18.50	<b>18.75</b>	16	<b>76.19%</b>
76	18.75	<b>19.00</b>	16	<b>76.19%</b>
77	19.00	<b>19.25</b>	16	<b>76.19%</b>
78	19.25	<b>19.50</b>	16	<b>76.19%</b>
79	19.50	<b>19.75</b>	16	<b>76.19%</b>
80	19.75	<b>20.00</b>	16	<b>76.19%</b>
	20.00	<b>20.25</b>	16	<b>76.19%</b>
	20.25	<b>20.50</b>	16	<b>76.19%</b>
	20.50	<b>20.75</b>	16	<b>76.19%</b>
	20.75	<b>21.00</b>	16	<b>76.19%</b>

21.00	<b>21.25</b>	16	<b>76.19%</b>
21.25	<b>21.50</b>	16	<b>76.19%</b>
21.50	<b>21.75</b>	16	<b>76.19%</b>
21.75	<b>22.00</b>	16	<b>76.19%</b>
22.00	<b>22.25</b>	16	<b>76.19%</b>
22.25	<b>22.50</b>	16	<b>76.19%</b>
22.50	<b>22.75</b>	16	<b>76.19%</b>
22.75	<b>23.00</b>	16	<b>76.19%</b>
23.00	<b>23.25</b>	16	<b>76.19%</b>
23.25	<b>23.50</b>	17	<b>80.95%</b>
23.50	<b>23.75</b>	17	<b>80.95%</b>
23.75	<b>24.00</b>	17	<b>80.95%</b>
24.00	<b>24.25</b>	17	<b>80.95%</b>
24.25	<b>24.50</b>	17	<b>80.95%</b>
24.50	<b>24.75</b>	17	<b>80.95%</b>
24.75	<b>25.00</b>	17	<b>80.95%</b>
25.00	<b>25.25</b>	17	<b>80.95%</b>
25.25	<b>25.50</b>	17	<b>80.95%</b>
25.50	<b>25.75</b>	17	<b>80.95%</b>
25.75	<b>26.00</b>	17	<b>80.95%</b>
26.00	<b>26.25</b>	19	<b>90.48%</b>
26.25	<b>26.50</b>	19	<b>90.48%</b>
26.50	<b>26.75</b>	19	<b>90.48%</b>
26.75	<b>27.00</b>	19	<b>90.48%</b>
27.00	<b>27.25</b>	19	<b>90.48%</b>
27.25	<b>27.50</b>	19	<b>90.48%</b>
27.50	<b>27.75</b>	19	<b>90.48%</b>
27.75	<b>28.00</b>	19	<b>90.48%</b>
28.00	<b>28.25</b>	19	<b>90.48%</b>
28.25	<b>28.50</b>	19	<b>90.48%</b>
28.50	<b>28.75</b>	19	<b>90.48%</b>
28.75	<b>29.00</b>	19	<b>90.48%</b>
29.00	<b>29.25</b>	19	<b>90.48%</b>
29.25	<b>29.50</b>	19	<b>90.48%</b>
29.50	<b>29.75</b>	19	<b>90.48%</b>
29.75	<b>30.00</b>	19	<b>90.48%</b>
30.00	<b>30.25</b>	19	<b>90.48%</b>
30.25	<b>30.50</b>	19	<b>90.48%</b>
30.50	<b>30.75</b>	19	<b>90.48%</b>
30.75	<b>31.00</b>	19	<b>90.48%</b>
31.00	<b>31.25</b>	19	<b>90.48%</b>
31.25	<b>31.50</b>	19	<b>90.48%</b>
31.50	<b>31.75</b>	19	<b>90.48%</b>
31.75	<b>32.00</b>	19	<b>90.48%</b>
32.00	<b>32.25</b>	19	<b>90.48%</b>



32.25	<b>32.50</b>	19	<b>90.48%</b>
32.50	<b>32.75</b>	19	<b>90.48%</b>
32.75	<b>33.00</b>	19	<b>90.48%</b>
33.00	<b>33.25</b>	19	<b>90.48%</b>
33.25	<b>33.50</b>	19	<b>90.48%</b>
33.50	<b>33.75</b>	19	<b>90.48%</b>
33.75	<b>34.00</b>	19	<b>90.48%</b>
34.00	<b>34.25</b>	19	<b>90.48%</b>
34.25	<b>34.50</b>	19	<b>90.48%</b>
34.50	34.75	21	100.00%
34.75	35.00	21	100.00%
35.00	35.25	21	100.00%
35.25	35.50	21	100.00%
35.50	35.75	21	100.00%
35.75	36.00	21	100.00%
36.00	36.25	21	100.00%
36.25	36.50	21	100.00%
36.50	36.75	21	100.00%
36.75	37.00	21	100.00%
37.00	37.25	21	100.00%
37.25	37.50	21	100.00%
37.50	37.75	21	100.00%
37.75	38.00	21	100.00%
38.00	38.25	21	100.00%
38.25	38.50	21	100.00%
38.50	38.75	21	100.00%
38.75	39.00	21	100.00%
39.00	39.25	21	100.00%
39.25	39.50	21	100.00%
39.50	39.75	21	100.00%
39.75	40.00	21	100.00%
40.00	40.25	21	100.00%
40.25	40.50	21	100.00%
40.50	40.75	21	100.00%
40.75	41.00	21	100.00%
41.00	41.25	21	100.00%
41.25	41.50	21	100.00%
41.50	41.75	21	100.00%
41.75	42.00	21	100.00%
42.00	42.25	21	100.00%
42.25	42.50	21	100.00%
42.50	42.75	21	100.00%
42.75	43.00	21	100.00%
43.00	43.25	21	100.00%
43.25	43.50	21	100.00%
43.50	43.75	21	100.00%

43.75	44.00	21	100.00%
44.00	44.25	21	100.00%
44.25	44.50	21	100.00%
44.50	44.75	21	100.00%
44.75	45.00	21	100.00%
45.00	45.25	21	100.00%
45.25	45.50	21	100.00%
45.50	45.75	21	100.00%
45.75	46.00	21	100.00%
46.00	46.25	21	100.00%
46.25	46.50	21	100.00%
46.50	46.75	21	100.00%
46.75	47.00	21	100.00%
47.00	47.25	21	100.00%
47.25	47.50	21	100.00%
47.50	47.75	21	100.00%
47.75	48.00	21	100.00%
48.00	48.25	21	100.00%
48.25	48.50	21	100.00%
48.50	48.75	21	100.00%
48.75	49.00	21	100.00%
49.00	49.25	21	100.00%
49.25	49.50	21	100.00%
49.50	49.75	21	100.00%
49.75	50.00	21	100.00%
50.00	50.25	21	100.00%
50.25	50.50	21	100.00%
50.50	50.75	21	100.00%
50.75	51.00	21	100.00%
51.00	51.25	21	100.00%
51.25	51.50	21	100.00%
51.50	51.75	21	100.00%
51.75	52.00	21	100.00%
52.00	52.25	21	100.00%
52.25	52.50	21	100.00%
52.50	52.75	21	100.00%
52.75	53.00	21	100.00%
53.00	53.25	21	100.00%
53.25	53.50	21	100.00%
53.50	53.75	21	100.00%
53.75	54.00	21	100.00%
54.00	54.25	21	100.00%
54.25	54.50	21	100.00%
54.50	54.75	21	100.00%
54.75	55.00	21	100.00%
55.00	55.25	21	100.00%

55.25	55.50	21	100.00%
55.50	55.75	21	100.00%
55.75	56.00	21	100.00%
56.00	56.25	21	100.00%
56.25	56.50	21	100.00%
56.50	56.75	21	100.00%
56.75	57.00	21	100.00%
57.00	57.25	21	100.00%
57.25	57.50	21	100.00%
57.50	57.75	21	100.00%
57.75	58.00	21	100.00%
58.00	58.25	21	100.00%
58.25	58.50	21	100.00%
58.50	58.75	21	100.00%
58.75	59.00	21	100.00%
59.00	59.25	21	100.00%
59.25	59.50	21	100.00%
59.50	59.75	21	100.00%
59.75	60.00	21	100.00%
60.00	60.25	21	100.00%
60.25	60.50	21	100.00%
60.50	60.75	21	100.00%
60.75	61.00	21	100.00%
61.00	61.25	21	100.00%
61.25	61.50	21	100.00%
61.50	61.75	21	100.00%
61.75	62.00	21	100.00%
62.00	62.25	21	100.00%
62.25	62.50	21	100.00%
62.50	62.75	21	100.00%
62.75	63.00	21	100.00%
63.00	63.25	21	100.00%
63.25	63.50	21	100.00%
63.50	63.75	21	100.00%
63.75	64.00	21	100.00%
64.00	64.25	21	100.00%
64.25	64.50	21	100.00%
64.50	64.75	21	100.00%
64.75	65.00	21	100.00%
65.00	65.25	21	100.00%
65.25	65.50	21	100.00%
65.50	65.75	21	100.00%
65.75	66.00	21	100.00%
66.00	66.25	21	100.00%
66.25	66.50	21	100.00%
66.50	66.75	21	100.00%

66.75	67.00	21	100.00%
67.00	67.25	21	100.00%
67.25	67.50	21	100.00%
67.50	67.75	21	100.00%
67.75	68.00	21	100.00%
68.00	68.25	21	100.00%
68.25	68.50	21	100.00%
68.50	68.75	21	100.00%
68.75	69.00	21	100.00%
69.00	69.25	21	100.00%
69.25	69.50	21	100.00%
69.50	69.75	21	100.00%
69.75	70.00	21	100.00%
70.00	70.25	21	100.00%
70.25	70.50	21	100.00%
70.50	70.75	21	100.00%
70.75	71.00	21	100.00%
71.00	71.25	21	100.00%
71.25	71.50	21	100.00%
71.50	71.75	21	100.00%
71.75	72.00	21	100.00%
72.00	72.25	21	100.00%
72.25	72.50	21	100.00%
72.50	72.75	21	100.00%
72.75	73.00	21	100.00%
73.00	73.25	21	100.00%
73.25	73.50	21	100.00%
73.50	73.75	21	100.00%
73.75	74.00	21	100.00%
74.00	74.25	21	100.00%
74.25	74.50	21	100.00%
74.50	74.75	21	100.00%
74.75	75.00	21	100.00%
75.00	75.25	21	100.00%
75.25	75.50	21	100.00%
75.50	75.75	21	100.00%
75.75	76.00	21	100.00%
76.00	76.25	21	100.00%
76.25	76.50	21	100.00%
76.50	76.75	21	100.00%
76.75	77.00	21	100.00%
77.00	77.25	21	100.00%
77.25	77.50	21	100.00%
77.50	77.75	21	100.00%
77.75	78.00	21	100.00%
78.00	78.25	21	100.00%

78.25	78.50	21	100.00%
78.50	78.75	21	100.00%
78.75	79.00	21	100.00%
79.00	79.25	21	100.00%
79.25	79.50	21	100.00%
79.50	79.75	21	100.00%
79.75	80.00	21	100.00%
80.00	80.25	21	100.00%
80.25	80.50	21	100.00%
80.50	80.75	21	100.00%
80.75	81.00	21	100.00%
81.00	81.25	21	100.00%
81.25	81.50	21	100.00%
81.50	81.75	21	100.00%
81.75	82.00	21	100.00%
82.00	82.25	21	100.00%
82.25	82.50	21	100.00%
82.50	82.75	21	100.00%
82.75	83.00	21	100.00%
83.00	83.25	21	100.00%
83.25	83.50	21	100.00%
83.50	83.75	21	100.00%
83.75	84.00	21	100.00%
84.00	84.25	21	100.00%
84.25	84.50	21	100.00%
84.50	84.75	21	100.00%
84.75	85.00	21	100.00%
85.00	85.25	21	100.00%
85.25	85.50	21	100.00%
85.50	85.75	21	100.00%
85.75	86.00	21	100.00%
86.00	86.25	21	100.00%
86.25	86.50	21	100.00%
86.50	86.75	21	100.00%
86.75	87.00	21	100.00%
87.00	87.25	21	100.00%
87.25	87.50	21	100.00%
87.50	87.75	21	100.00%
87.75	88.00	21	100.00%
88.00	88.25	21	100.00%
88.25	88.50	21	100.00%
88.50	88.75	21	100.00%
88.75	89.00	21	100.00%
89.00	89.25	21	100.00%
89.25	89.50	21	100.00%
89.50	89.75	21	100.00%

Proponent 4  
DC Ungrounded Spurious Operations >10 Amp Fuse

### DC Ungrounded Spurious Operations >10 AMPS

Hot Gas Layer			
Cable Type	Intra	inter	Multiple shorts to ground
	No data	No data	N/A

Plume			
Cable Type	Intra	inter	Multiple shorts to ground
	No data	No data	N/A

Flame			
Cable Type	Intra	inter	Multiple shorts to ground
	No data	No data	N/A