

## List of Radiation Data Available at Semicoa

Part Number	Wafer Lot	Wafer(s)	LDC	SS	Environment	Source	Dose Rate [rad(Si)/s]	Test Facility	Max Level	
									Level	Units
2N2219A	J0534	UNK	0036	10	Total Dose	Co-60	120	UofL	100	krad(Si)
1N5811	D0002	4	2010	5	Neutron	Reactor	N/A	WSMR	1.10E+13	n/cm <sup>2</sup>
2N2219A	J0575	UNK	0418	10	Total Dose	Co-60	145	UofL	100	krad(Si)
2N2219A	UNK	UNK	0418	10	Total Dose	Co-60	106	UofL	100	krad(Si)
2N2219A	UNK	UNK	0609	10	Total Dose	Co-60	106	UofL	100	krad(Si)
2N2222A	20115820	UNK	0040	5	ELDRS	Co-60	0.00844	ICS	100	krad(Si)
2N2222A	0018612R2.2	UNK	0014	5	Total Dose	Co-60	50	ICS	100	krad(Si)
2N2222A	9917873R1.2	UNK	9626	5	Total Dose	Co-60	50	ICS	100	krad(Si)
2N2222A	GH10-A, B, C, D	UNK	UNK	18	Total Dose	Co-60	126	Max	300	krad(Si)
2N2222A	GH12-A, B, C, D	UNK	UNK	18	Total Dose	Co-60	126	Max	300	krad(Si)
2N2222A	GH16-A, B, C, D	UNK	UNK	18	Total Dose	Co-60	126	Max	300	krad(Si)
2N2222A	I0402	UNK	9617	12	Total Dose	Co-60	63.6	ICS	200	krad(Si)
2N2222A	I0402	UNK	9703	14	Total Dose	Co-60	66	Max	50	krad(Si)
2N2222A	I0402	UNK	9709	5	Total Dose	Co-60	13.9	ICS	500	krad(Si)
2N2222A	I0568	UNK	9809	12	Total Dose	Co-60	100	ICS	200	krad(Si)
2N2222A	I0782	UNK	1998	10	Total Dose	Co-60	100	ICS	100	krad(Si)
2N2222A	J0575	GD10	UNK	5	Total Dose	Co-60	2.77	EADS	100	krad(Si)
2N2222A	J0576	UNK	0104	10	ELDRS	Co-60	0.083	Astrium	144.8	krad(Si)
2N2222A	J0576	UNK	0104	10	Total Dose	Co-60	84	UofL	100	krad(Si)
2N2222A	J0678	UNK	UNK	10	Neutron	Reactor	N/A	Penn	3.00E+13	n/cm <sup>2</sup>
2N2222A	J0678	UNK	UNK	10	Total Dose	Co-60	260	Ray	1000	krad(Si)
2N2222A	J0755	UNK	UNK	10	Neutron	Reactor	N/A	Penn	3.00E+13	n/cm <sup>2</sup>
2N2222A	J0755	UNK	UNK	14	Total Dose	Co-60	260	Ray	1000	krad(Si)
2N2222A	J0779	UNK	0412A	10	Total Dose	Co-60	156	UofL	100	krad(Si)
2N2222A	J0836	UNK	0436	10	Total Dose	Co-60	143	UofL	100	krad(Si)
2N2222A	J0837	UNK	0449	4	Total Dose	Co-60	50	ICS	100	krad(Si)
2N2222A	J0917	UNK	2005	10	Total Dose	Co-60	50	ICS	100	krad(Si)
2N2222A	J0917	UNK	0506	10	Total Dose	Co-60	130	UofL	100	krad(Si)
2N2222A	J1345	UNK	0737	10	Total Dose	Co-60	111	UofL	100	krad(Si)
2N2222A	J1358	MI-18	7390	4	Total Dose	Co-60	50	ICS	300	krad(Si)
2N2222A	J1358	MI-18	0739	4	Total Dose	Co-60	50	ICS	300	krad(Si)
2N2222A	J1358	MI-6	0824	10	Total Dose	Co-60	153	UofL	100	krad(Si)
2N2222A	J1364	TH-1	2008	4	ELDRS	Co-60	0.1	RAD	100	krad(Si)
2N2222A	J1364	TH-4	2008	4	ELDRS	Co-60	0.1	RAD	100	krad(Si)
2N2222A	J1364	4	UNK	4	ELDRS	Co-60	0.1	RAD	100	krad(Si)
2N2222A	J1364	4	2008	4	Total Dose	Co-60	101.9	RAD	300	krad(Si)

2N2222A	J1364	UNK	2008	4	Total Dose	Co-60	50	ICS	200	krad(Si)
2N2222A	J1364	TH-3	2008	4	Total Dose	Co-60	50	ICS	200	krad(Si)
2N2222A	J1364	UNK	2008	4	Total Dose	Co-60	50	ICS	100	krad(Si)
2N2222A	J1364	2,5,7,9,15,16,17	UNK	11	Total Dose	Co-60		Ray	50	krad(Si)
2N2222A	J1840	FR1,2,3,4,7	1029	5	Neutron	Reactor	N/A	WSMR	1.10E+13	n/cm <sup>2</sup>
2N2222A	J1840	FR1,2,3,4,7	1029	11	Total Dose	Co-60	50	RAY	300	krad(Si)
2N2222A	J1870	IV-2,3,4,6,7,8,9,10	1034	11	Total Dose	Co-60	53.6	RAY	300	krad(Si)
2N2222A	JA0591	5, 17, 19	2001	10	Total Dose	Co-60	50	ICS	125	krad(Si)
2N2222A	JA0591	UNK	0145	10	Total Dose	Co-60	50	ICS	100	krad(Si)
2N2222A	JA0591	UNK	0145	10	Total Dose	Co-60	148	UofL	100	krad(Si)
2N2222A	JA0605	UNK	0112	10	Total Dose	Co-60	96	UofL	100	krad(Si)
2N2222A	JA0605	UNK	0407	10	Total Dose	Co-60	148	UofL	100	krad(Si)
2N2222A	UNK	UNK	0400	UNK	Total Dose	Co-60	UNK	UNK	900	krad(Si)
2N2222A	UNK	UNK	0526	4	Total Dose	Co-60	50	ICS	100	krad(Si)
2N2222A	J1364	TH02,05,07,09,15,16,17	2008	11	Total Dose	Co-60	103.4	RAY	200	krad(Si)
2N2369A	J0240	UNK	0109	10	Total Dose	Co-60	109	UofL	100	krad(Si)
2N2369A	J1322	UNK	0735	10	Total Dose	Co-60	135	UofL	100	krad(Si)
2N2369A	J1603	IQ1,2,4,5,6	UNK	11	Total Dose	Co-60	50	RAD	300	krad(Si)
2N2369A	JA0873	UNK	0549	10	Total Dose	Co-60	118	UofL	100	krad(Si)
2N2369A	UNK	UNK	0735	10	Total Dose	Co-60	195	UofL	100	krad(Si)
2N2484	J1090	UNK	UNK	4	Total Dose	Co-60	50	ICS	100	krad(Si)
2N2484	UNK	UNK	UNK	5	Dose Rate	LINAC	N/A	BREL	1.00E+08	rad/s
2N2484	UNK	UNK	UNK	20	Neutron	Reactor	N/A	BREL	1.00E+14	n/cm <sup>2</sup>
2N2484	UNK	UNK	9747	10	Total Dose	Co-60	100	ICS	300	krad(Si)
2N2484	UNK	UNK	UNK	5	Total Dose	Co-60	UNK	BREL	1000	krad(Si)
2N2857	I0752	UNK	9940	10	Total Dose	Co-60	113	UofL	100	krad(Si)
2N2857	J0018	UNK	0411	11	Total Dose	Co-60	145	UofL	100	krad(Si)
2N2857	J0551	UNK	0451	11	Total Dose	Co-60	127	UofL	100	krad(Si)
2N2857	J0551	UNK	0630	11	Total Dose	Co-60	61	UofL	300	krad(Si)
2N2857	J1366	HG-3	0802	4	ELDRS	Co-60	0.1	RAD	100	krad(Si)
2N2857	J1366	HG-3	0802	4	Total Dose	Co-60	101.9	RAD	300	krad(Si)
2N2857	J1461	UNK	0848	8	Total Dose	Co-60	137	UofL	100	krad(Si)
2N2857	J1461	AG8,10	UNK	11	Total Dose	Co-60	50	RAD	300	krad(Si)
2N2857	J1583	BJ-2	2008	10	Total Dose	Co-60	112	UofL	300	krad(Si)
2N2905	I0185	UNK	9631	10	Total Dose	Co-60	UNK	UofL	100	krad(Si)
2N2905	J0043	UNK	0006	10	Total Dose	Co-60	148	UofL	100	krad(Si)
2N2905	NA	UNK	0619	12	Total Dose	Co-60	106	UofL	100	krad(Si)
2N2907A	I0127	UNK	9604	15	Total Dose	Co-60	100	ICS	200	krad(Si)
2N2907A	I0185	UNK	9808	15	Total Dose	Co-60	100	ICS	100	krad(Si)
2N2907A	I0299	UNK	1998	12	Total Dose	Co-60	50	ICS	100	krad(Si)
2N2907A	J0013	UNK	2001	11	Total Dose	Co-60	50	ICS	125	krad(Si)
2N2907A	J0013	UNK	9916	11	Total Dose	Co-60	100	UofL	100	krad(Si)
2N2907A	J0013	UNK	0105	11	Total Dose	Co-60	84	UofL	100	krad(Si)

2N2907A	J0043A	JS-11	0014	6	Total Dose	Co-60	50	ICS	100	krad(Si)
2N2907A	J0491	UNK	0342	12	Total Dose	Co-60	50	ICS	100	krad(Si)
2N2907A	J0491	UNK	0419	11	Total Dose	Co-60	148	UofL	100	krad(Si)
2N2907A	J0491	UNK	0446	12	Total Dose	Co-60	131	UofL	102	krad(Si)
2N2907A	J0683	UNK	2004	12	Total Dose	Co-60	50	ICS	100	krad(Si)
2N2907A	J0683	UNK	0517	12	Total Dose	Co-60	130	UofL	100	krad(Si)
2N2907A	J0926	UNK	0551	12	Total Dose	Co-60	110	UofL	100	krad(Si)
2N2907A	J1151	UNK	0715	12	Total Dose	Co-60	124	UofL	100	krad(Si)
2N2907A	J1151	UNK	0732	12	Total Dose	Co-60	111	UofL	100	krad(Si)
2N2907A	J1308	XA-1	UNK	4	ELDRS	Co-60	0.1	RAD	100	krad(Si)
2N2907A	J1308	UNK	2007	11	Total Dose	Co-60	50	ICS	125	krad(Si)
2N2907A	J1308	XA-1	0739	4	Total Dose	Co-60	50	ICS	300	krad(Si)
2N2907A	J1308	UNK	UNK	5	Total Dose	Co-60	50	ICS	300	krad(Si)
2N2907A	J1320	WV2,3,4,5,6,8,9,13,14,16	1017	11	Total Dose	Co-60	50	RAY	300	krad(Si)
2N2907A	J1324	UNK	1011	12	Total Dose	Co-60	135	UofL	100	krad(Si)
2N2907A	J1324	HD_17	0918	22	Total Dose	Co-60	135	UofL	100	krad(Si)
2N2907A	J1324	HD_18	0918	22	Total Dose	Co-60	135	UofL	100	krad(Si)
2N2907A	J1324	HD_19	0918	22	Total Dose	Co-60	135	UofL	100	krad(Si)
2N2907A	J1324	5	0918	10	Total Dose	Co-60	113	UofL	100	krad(Si)
2N2907A	J1324	10	0918	10	Total Dose	Co-60	113	UofL	100	krad(Si)
2N2907A	J1324	16	0918	10	Total Dose	Co-60	113	UofL	100	krad(Si)
2N2907A	J1324	20	0918	10	Total Dose	Co-60	113	UofL	100	krad(Si)
2N2907A	J1869	BT1,2,3,4,5,6,7,8,9	2010	5	Neutron	Reactor	N/A	WSMR	1.10E+13	n/cm <sup>2</sup>
2N2907A	J1869	BT1,2,3,4,5,6,7,8,9,	UNK	11	Total Dose	Co-60	50	RAY	300	krad(Si)
2N2907A	J1875	HB-2,3,5,6,7,8,9	1033	11	Total Dose	Co-60	52.2	RAY	300	krad(Si)
2N2907A	JA1151	UNK	0636	12	Total Dose	Co-60	131	UofL	100	krad(Si)
2N2907A	NA	GR-2 A,B,C,D	1996	20	Total Dose	Co-60	126	MAX	300	krad(Si)
2N2907A	NA	GR-2 A,B,C,D	1996	20	Total Dose	Co-60	126	MAX	300	krad(Si)
2N2907A	NA	GR-11 A,B,C,D	1996	20	Total Dose	Co-60	126	MAX	300	krad(Si)
2N2907A	UNK	UNK	UNK	5	Dose Rate	LINAC	N/A	BREL	1.00E+08	rad/s
2N2907A	UNK	UNK	UNK	20	Neutron	Reactor	N/A	BREL	1.00E+14	n/cm <sup>2</sup>
2N2907A	UNK	UNK	9704	6	Total Dose	Co-60	13.9	ICS	500	krad(Si)
2N2907A	UNK	UNK	9926	6	Total Dose	Co-60	50	ICS	100	krad(Si)
2N2907A	UNK	UNK	0016	11	Total Dose	Co-60	0.0639	Astrium	98	krad(Si)
2N2907A	UNK	UNK	0600	UNK	Total Dose	Co-60	UNK	UNK	900	krad(Si)
2N2907A	UNK	UNK	UNK	5	Total Dose	Co-60	UNK	BREL	1000	krad(Si)
2N2946A	J1672	WL-2,4,8	UNK	11	Total Dose	Co-60	70.2	RAD	300	krad(Si)
2N3019	J0112	UNK	9847	11	Total Dose	Co-60	UNK	UofL	100	krad(Si)
2N3019	J0743	UNK	0245	11	Total Dose	Co-60	145	UofL	100	krad(Si)
2N3019	UNK	UNK	5500	UNK	Total Dose	Co-60	UNK	UNK	900	krad(Si)
2N3019	UNK	UNK	9506	12	Total Dose	Co-60	100	ICS	300	krad(Si)
2N3501	J0295	UNK	0143	11	Total Dose	Co-60	148	UofL	100	krad(Si)
2N3501	J0541	UNK	2005	12	Total Dose	Co-60	50	ICS	100	krad(Si)

2N3501	J0541	UNK	0439	11	Total Dose	Co-60	140	UofL	100	krad(Si)
2N3501	J0882	UNK	0629	12	Total Dose	Co-60	139	UofL	103	krad(Si)
2N3501	J0917	UNK	2005	12	Total Dose	Co-60	50	ICS	100	krad(Si)
2N3501	J1880	NO1,3,6,7,9	1033	5	Neutron	Reactor	N/A	WSMR	1.10E+13	n/cm <sup>2</sup>
2N3501	UNK	UNK	2002	12	Total Dose	Co-60	50	UofL	100	krad(Si)
2N3501	UNK	UNK	0745	12	Total Dose	Co-60	111	UofL	100	krad(Si)
2N3507	J0922	UNK	0530	11	Total Dose	Co-60	114	UofL	100	krad(Si)
2N3700	I0514	UNK	2001	7	Total Dose	Co-60	50	ICS	200	krad(Si)
2N3700	J0088	UNK	1998	7	Total Dose	Co-60	50	ICS	50	krad(Si)
2N3700	J0112	UNK	9905	11	Total Dose	Co-60	UNK	UofL	100	krad(Si)
2N3700	J0546	11	0117	5	Total Dose	Co-60	50	ICS	35	krad(Si)
2N3700	J0546	UNK	0147	11	Total Dose	Co-60	148	UofL	100	krad(Si)
2N3700	J0598	UNK	0144	11	Total Dose	Co-60	148	UofL	100	krad(Si)
2N3700	J0856	UNK	0453	12	Total Dose	Co-60	130	UofL	100	krad(Si)
2N3700	J0975	UNK	0539	11	Total Dose	Co-60	118	UofL	100	krad(Si)
2N3700	J1441	UNK	N/A	12	Total Dose	Co-60	115	UofL	100	krad(Si)
2N3700	J1818	MB2,3,4,6,9,10	1020	5	Neutron	Reactor	N/A	WSMR	1.10E+13	n/cm <sup>2</sup>
2N3700	J1818	MB1,2,3,4,5,6,7,8,9,10	1020	11	Total Dose	Co-60	101.02	RAY	300	krad(Si)
2N3700	UNK	UNK	5500	UNK	Total Dose	Co-60	UNK	UNK	900	krad(Si)
2N3700	UNK	UNK	9714	12	Total Dose	Co-60	57.04	MAX	50	krad(Si)
2N3866	J0487	UNK	0721	12	Total Dose	Co-60	143	UofL	100	krad(Si)
2N4033	I0193	UNK	1998	12	Total Dose	Co-60	56.75	MAX	100	krad(Si)
2N4033	J0768	UNK	2005	7	Total Dose	Co-60	50	ICS	100	krad(Si)
2N4033	J1425	CK5, 20	0951	11	Total Dose	Co-60	76.1	RAD	300	krad(Si)
2N4261	H0387AT	UNK	9809	13	Total Dose	Co-60	50	ICS	100	krad(Si)
2N4261	H0387AT	UNK	9809, 9832, 9846	11	Total Dose	Co-60	115	UofL	304	krad(Si)
2N4261	J0454	UNK	0051, 0104	11	Total Dose	Co-60	109	UofL	300	krad(Si)
2N4300	UNK	UNK	9718	12	Total Dose	Co-60	57.04	MAX	50	krad(Si)
2N4957	J1368	PG-3	UNK	11	Total Dose	Co-60	101.1	RAY	300	krad(Si)
2N4957	J1745	GB7 & GB10	1022	11	Total Dose	Co-60	101.34	RAY	300	krad(Si)
2N4957	UNK	UNK	0006	UNK	Total Dose	Co-60	UNK	UNK	900	krad(Si)
2N4957(SCA1643	J1745	GB07,10	1022	11	Total Dose	Co-60	101.3	RAY	300	krad(Si)
2N5004	UNK	UNK	9202	UNK	Total Dose	Co-60	UNK	UNK	900	krad(Si)
2N5005	UNK	UNK	9701	UNK	Total Dose	Co-60	UNK	UNK	900	krad(Si)
2N5109	J1424	EP-4	0744	12	Total Dose	Co-60	140	UofL	100	krad(Si)
2N5151	J1418	UNK	2008	4	Total Dose	Co-60	62	SNL	300	krad(Si)
2N5153	J0347	UNK	1816	12	Total Dose	Co-60	185	UofL	185	krad(Si)
2N5153	J1826	NW1,2,3,4,5,6,7,8,9,14	UNK	5	Total Dose	Co-60	50	RAD	300	krad(Si)
2N5153	J1863	NZ1-10	1028	5	Total Dose	Co-60	74.1	RAY	300	krad(Si)
2N5153	J1866	VA-1,2,4-10	1031	5	Total Dose	Co-60	98.4	RAY	300	krad(Si)
2N5153	UNK	UNK	9623	6	Total Dose	Co-60	13.9	ICS	500	krad(Si)
2N5154	J1639	OA-1, OA-2, OA-3, OA-7, OA-9	0950	5	Total Dose	Co-60	76.2	RAD	300	krad(Si)
2N5154	J1639	OA-4, OA-5, OA-8, OA-10	0950	5	Total Dose	Co-60	76.2	RAD	300	krad(Si)

2N5154	J1742	NN-1,2,3,4,5,6,7,8,9,10	1031	5	Total Dose	Co-60	51.8	RAY	300	krad(Si)
2N5154	J1778	UU1,2,3,4,5,6,7,8,9,10	0941	5	Total Dose	Co-60	74	RAD	300	krad(Si)
2N5154	UNK	UNK	1997	6	Total Dose	Co-60	13.9	ICS	500	krad(Si)
2N5154	UNK	UNK	9711C	6	Total Dose	Co-60	13.9	ICS	500	krad(Si)
2N5339	UNK	UNK	UNK	5	Dose Rate	LINAC	N/A	BREL	1.00E+08	rad/s
2N5339	UNK	UNK	UNK	20	Neutron	Reactor	N/A	BREL	1.00E+14	n/cm <sup>2</sup>
2N5339	UNK	UNK	UNK	5	Total Dose	Co-60	UNK	BREL	1000	krad(Si)
2N5662	UNK	UNK	1021	UNK	Total Dose	Co-60	UNK	UNK	900	krad(Si)
2N6988	I683	UNK	0437	12	Total Dose	Co-60	125	UofL	103	krad(Si)