

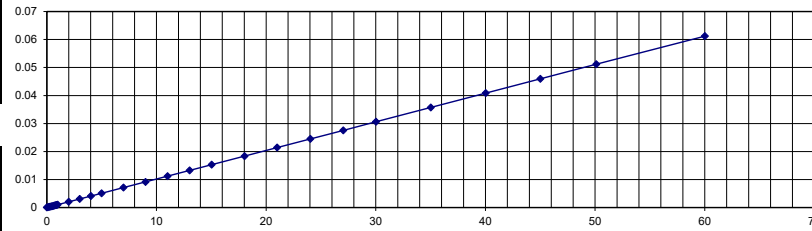
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8349-1000-A
Lot #:	31427
TURNS/RATIO:	1000
DATE:	July 29, 2020
TESTER:	lb

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	50
Burden (Ohms):	1
MEASUREMENT CT TURNS RATIO:	1000
FREQUENCY(Hz):	60

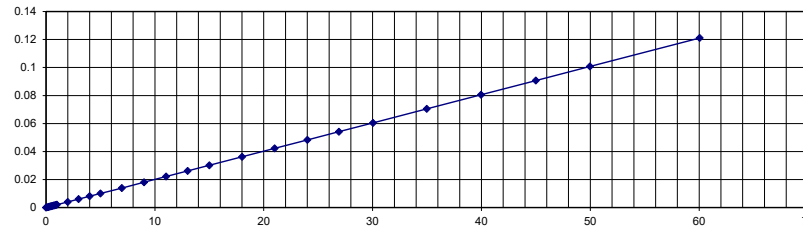


Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000634979	0.000634979	3.50285E-05	0.000825935	-0.000634455	105.5210413	18.12749739	98.18725026
0.1A	0.100866342	0.100866342	0.000117813	0.00096098	-0.000538049	121.896366	856.1556445	14.38443555
0.2A	0.20032546	0.20032546	0.000213391	0.000992152	-0.000436226	148.9176185	938.770455	6.122954499
0.3A	0.300260404	0.300260404	0.000312542	0.001020085	-0.000328688	195.0877217	960.7043586	3.929564141
0.4A	0.400663672	0.400663672	0.000414962	0.001015519	-0.000228097	281.9230435	965.5434986	3.445650145
0.5A	0.500047506	0.500047506	0.000515888	0.001083004	-9.34256E-05	652.1912954	969.2946922	3.070530777
0.6A	0.60003939	0.60003939	0.00062418	0.000997108	-3.66749E-05	1801.924045	961.3248451	3.867515485
0.7A	0.700605255	0.700605255	0.000724455	0.00094732	6.19352E-05	-1069.69787	967.079477	3.292052297
0.8A	0.801701937	0.801701937	0.000825019	0.001058326	0.000213483	-286.4571063	971.7378187	2.826218134
0.9A	0.90100948	0.90100948	0.000930118	0.001021834	0.000285703	-225.5545884	968.7039756	3.129602441
1A	1.00038809	1.00038809	0.001031667	0.001016686	0.000382102	-169.9978723	969.6812802	3.031871983
2A	2.00367796	2.00367796	0.002051698	0.001015733	0.001400223	-46.5265554	976.5949241	2.340507591
3A	2.99966852	2.99966852	0.003063359	0.001015782	0.002412031	-27.00328713	979.2090681	2.079093189
4A	4.02620611	0.040262061	0.004106097	0.001019339	0.003469091	-18.36235251	980.5432837	1.945671633
5A	4.9973884	0.049973884	0.005096061	0.001020293	0.00446382	-14.16368551	980.6373862	1.936261377
7A	6.99329792	0.03496649	0.007132473	0.001016124	0.00647108	-10.22076072	980.487054	1.951294599
9A	9.00403732	0.045020187	0.009175634	0.001018893	0.008539172	-7.453448724	981.2986151	1.870138485
11A	11.01769565	0.022035391	0.011227337	0.001014636	0.010543968	-6.481135793	981.3276155	1.867238453
13A	13.0300628	0.026060126	0.013269156	0.001018239	0.012632741	-5.037827875	981.9812583	1.80187417
15A	15.033827	0.030067654	0.015309467	0.001020537	0.014707604	-4.092190407	981.9954285	1.800457147
18A	18.03946165	0.036078923	0.01837683	0.001024678	0.017849668	-2.953342784	981.6416407	1.835835931
21A	21.01364935	0.042027299	0.021424416	0.001017965	0.020756172	-3.219496341	980.8271671	1.917283291
24A	24.0422148	0.04808443	0.024507389	0.001013298	0.023726942	-3.289284454	981.0190425	1.898095752
27A	27.0378676	0.027037868	0.027542877	0.001039169	0.027461936	-0.294736676	981.6646239	1.833537605
30A	30.0241944	0.030024194	0.030646175	0.001022295	0.030058594	-1.954785746	979.7044623	2.02955377
35A	35.0145776	0.035014578	0.035747817	0.001020912	0.03511182	-1.811347155	979.4885545	2.05114455
40A	40.032977	0.040032977	0.040871161	0.001024679	0.040385956	-1.201420366	979.4920505	2.050794951
45A	45.0189491	0.045018949	0.04598018	0.001023007	0.045419719	-1.233959721	979.0946771	2.090532287
50A	50.1122019	0.050112202	0.051190613	0.001011245	0.050040725	-2.297902998	978.9334285	2.106657149
60A	60.015405	0.030007703	0.061205175	0.001019824	0.060570196	-1.048335934	980.5609511	1.943904894

CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8349-1000-A
Lot #:	31427
TURNS/RATIO:	1000
DATE:	July 29, 2020
TESTER:	lb



TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	50
Burden (Ohms):	2
MEASUREMENT CT TURNS RATIO:	1000
FREQUENCY(Hz):	60

Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000625963	0.000625963	3.27201E-05	0.001778861	-0.00062485	105.2364735	38.26170551	96.17382945
0.1A	0.100265532	0.100265532	0.000209965	0.002042728	-0.000421148	149.8554002	955.0690067	4.493099326
0.2A	0.200312711	0.200312711	0.000414334	0.002023881	-0.000220554	287.8605143	966.9138048	3.308619521
0.3A	0.300554457	0.300554457	0.000617211	0.002017145	-1.97012E-05	3232.863683	973.9107707	2.608922932
0.4A	0.399789637	0.399789637	0.000817383	0.00201186	0.000178358	-358.2833581	978.2183278	2.178167224
0.5A	0.499860534	0.499860534	0.001018712	0.001974972	0.000361247	-181.9985095	981.3580146	1.864198541
0.6A	0.600178057	0.600178057	0.001216836	0.002040128	0.000598477	-103.3221235	986.4566515	1.354334846
0.7A	0.700097946	0.700097946	0.001420686	0.002005597	0.000778151	-82.57194859	985.5776401	1.442235989
0.8A	0.800187535	0.800187535	0.001621425	0.001965204	0.000946568	-71.29507234	987.0177027	1.298229732
0.9A	0.899990982	0.899990982	0.001817559	0.002043988	0.001213608	-49.76494143	990.329323	0.967067704
1A	1.00014658	1.00014658	0.002022276	0.002008873	0.001383205	-46.2022203	989.1297273	1.087027272
2A	2.00128532	2.00128532	0.004033437	0.002013294	0.003403212	-18.51854204	992.3474441	0.765255587
3A	2.99927364	2.99927364	0.00604268	0.002016779	0.005422908	-11.42877638	992.6964759	0.730352409
4A	4.00039998	0.040004	0.00806173	0.002009765	0.0074139	-8.738057031	992.4420098	0.755799024
5A	5.00817513	0.050081751	0.010087121	0.00194331	0.009106473	-10.76889147	992.9840103	0.701598972
7A	6.97309154	0.034865458	0.013905563	0.002068386	0.01379708	-0.786276491	1002.921139	-0.292113883
9A	9.00616074	0.045030804	0.018110734	0.002006266	0.017442792	-3.829333522	994.5660503	0.543394974
11A	11.02877825	0.022057557	0.022168643	0.002019173	0.021643047	-2.428475477	994.9890167	0.501098326
13A	13.0091089	0.026018218	0.026167273	0.002022193	0.025680963	-1.89366031	994.3037473	0.569625268
15A	15.008903	0.030017806	0.030211242	0.00201395	0.029601215	-2.06081836	993.5972047	0.640279527
18A	18.01560435	0.036031209	0.036266588	0.002015115	0.03567755	-1.651004527	993.5097424	0.649025761
21A	21.0062292	0.042012458	0.042293041	0.001997324	0.041330275	-2.329444539	993.3657502	0.663424983
24A	24.0195464	0.012009773	0.048311611	0.002036449	0.048288619	-0.04761291	994.3591634	0.564083656
27A	26.9125004	0.01345625	0.054202964	0.002003416	0.053290972	-1.711344207	993.0268887	0.697311127
30A	30.0417856	0.015020893	0.060472224	0.002027154	0.060273369	-0.329921561	993.5730312	0.642696882
35A	34.9782144	0.017489107	0.070479127	0.00201929	0.070005189	-0.677003744	992.5836482	0.741635182
40A	39.9627766	0.019981388	0.080544403	0.002011211	0.07974763	-0.999117255	992.3166691	0.768333094
45A	45.0056006	0.0225028	0.090686588	0.00203068	0.090766004	0.087495647	992.5525194	0.744748056
50A	49.9692654	0.024984633	0.100766202	0.00201503	0.100063623	-0.702132709	991.7862221	0.821377787
60A	60.0504228	0.030025211	0.12108004	0.002016306	0.120454077	-0.519669548	991.9128339	0.808716614

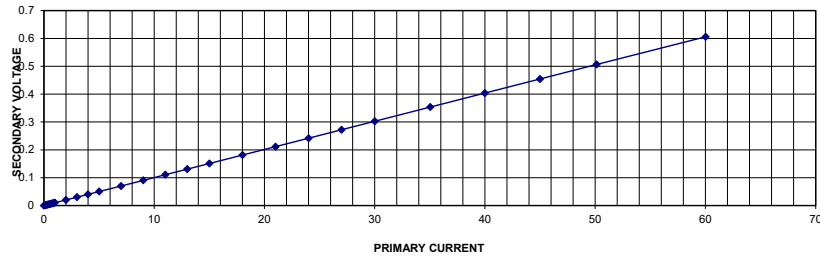
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8349-1000-A
Lot #:	31427
TURNS/RATIO:	1000
DATE:	July 29, 2020
TESTER:	lb

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	50
Burden (Ohms):	10
MEASUREMENT CT TURNS RATIO:	1000
FREQUENCY(Hz):	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000683795	0.000683795	3.49038E-05	0.009954136	-0.000676988	105.1557465	195.9084321	80.40915679
0.1A	0.100446579	0.100446579	0.001027956	0.0099975	0.00032042	-220.8152545	977.1485185	2.285148147
0.2A	0.201205499	0.201205499	0.002035293	0.010049594	0.001338239	-52.08744627	988.5822849	1.141771506
0.3A	0.300943071	0.300943071	0.003037616	0.010136497	0.002366714	-28.34738714	990.7214063	0.927859366
0.4A	0.400216513	0.400216513	0.0040439	0.009968248	0.003305663	-22.33251853	989.6794295	1.032057047
0.5A	0.499937953	0.499937953	0.005037949	0.010092328	0.004361743	-15.50310436	992.3443045	0.765569552
0.6A	0.600865939	0.600865939	0.006056547	0.010136344	0.005406789	-12.01743969	992.0932751	0.790672495
0.7A	0.700302679	0.700302679	0.007064472	0.010070929	0.006368904	-10.92131774	991.3022429	0.869775707
0.8A	0.800306368	0.800306368	0.008071602	0.010057651	0.007365407	-9.587990086	991.5087251	0.849127486
0.9A	0.899501062	0.899501062	0.009069267	0.010024943	0.008333652	-8.827047013	991.8122549	0.818774507
1A	1.0000648	1.0000648	0.010077413	0.010056955	0.009373812	-7.506035313	992.3824499	0.761755011
2A	2.00195943	2.00195943	0.020153422	0.010050386	0.019436671	-3.687624536	993.3595545	0.664044548
3A	3.00251087	3.00251087	0.03020935	0.009960282	0.029222059	-3.378582729	993.901173	0.609882696
4A	4.00057294	0.040005729	0.04015033	0.010024572	0.039420237	-1.852076128	996.3985327	0.360146733
5A	5.01659608	0.050165961	0.050335527	0.009989037	0.049427167	-1.837773819	996.6312898	0.336871016
7A	7.0006578	0.035003289	0.070154392	0.010064532	0.069774548	-0.544387832	997.8930229	0.210697715
9A	9.02136592	0.04510683	0.090491873	0.010117834	0.090592886	0.111502625	996.9255427	0.307445732
11A	11.0088064	0.022017613	0.110600465	0.010071552	0.110191971	-0.370711069	995.367099	0.463290096
13A	13.0001001	0.0260002	0.130655883	0.010108998	0.130734192	0.059899499	994.9877343	0.501226569
15A	15.0196588	0.030039318	0.151071598	0.010099804	0.151011182	-0.039584934	994.2079781	0.579202187
18A	18.00806165	0.036016123	0.181253882	0.01008983	0.181014493	-0.13224876	993.5269497	0.647305033
21A	21.0073982	0.042014796	0.211516679	0.010093109	0.211346171	-0.080677317	993.1792755	0.682072453
24A	24.00603125	0.048012063	0.24178221	0.010171784	0.243500372	0.705609535	992.8783118	0.712168815
27A	27.0025458	0.027002546	0.272262109	0.010092228	0.271832043	-0.158210231	991.7849347	0.821506528
30A	30.0200378	0.030020038	0.302715325	0.010126077	0.303301407	0.193234212	991.6920394	0.830796062
35A	35.0451978	0.035045198	0.35360048	0.010150718	0.355050139	0.408296895	991.0958775	0.890412253
40A	40.0033788	0.040003379	0.403929579	0.010114527	0.403931442	0.000461124	990.3552718	0.96447282
45A	45.0019759	0.045001976	0.454488022	0.010135216	0.455420966	0.2048531	990.1685792	0.983142082
50A	50.1319557	0.050131956	0.506481477	0.010057948	0.503540788	-0.584002182	989.8082749	1.019172514
60A	60.0267434	0.030013372	0.606002733	0.010095546	0.605318938	-0.112964364	990.5358529	0.946414709

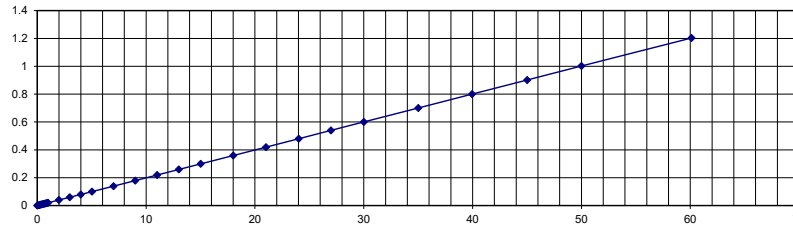
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8349-1000-A
Lot #:	31427
TURNS/RATIO:	1000
DATE:	July 29, 2020
TESTER:	lb

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	50
Burden (Ohms):	20
MEASUREMENT CT TURNS RATIO:	1000
FREQUENCY(Hz):	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000744365	0.000744365	3.43409E-05	0.019986181	-0.000729488	104.7075407	433.5145842	56.64854158
0.1A	0.100030884	0.100030884	0.002018699	0.019984526	0.001254705	-60.89038629	991.0429305	0.895706949
0.2A	0.200298056	0.200298056	0.004022491	0.019895687	0.00240702	-24.12405545	995.8905864	0.410941359
0.3A	0.300009203	0.300009203	0.006006313	0.020099778	0.005285753	-13.63211023	998.9795903	0.10204097
0.4A	0.400345837	0.400345837	0.008023057	0.019822764	0.007191596	-11.56156254	997.9882656	0.201173443
0.5A	0.50074919	0.50074919	0.010013329	0.020012461	0.009276858	-7.938793518	1000.16526	-0.016525973
0.6A	0.600242378	0.600242378	0.012004433	0.020035045	0.011281518	-6.407954519	1000.034576	-0.003457556
0.7A	0.700129057	0.700129057	0.014005667	0.020028633	0.013276863	-5.489278509	999.7796992	0.022030083
0.8A	0.799455469	0.799455469	0.01599484	0.020012455	0.015254701	-4.851874048	999.6417082	0.035829179
0.9A	0.900183807	0.900183807	0.018010662	0.019932285	0.017198355	-4.723165294	999.6121542	0.038784583
1A	1.0011425	1.0011425	0.020022999	0.01996293	0.019241373	-4.062216132	999.9925636	0.000743645
2A	2.00090906	2.00090906	0.039981269	0.019906271	0.039086274	-2.289793591	1000.92324	-0.092323983
3A	2.9979844	2.9979844	0.059829321	0.019645615	0.058152881	-2.882815225	1002.178977	-0.217897675
4A	4.00874315	0.040087432	0.079686298	0.019899607	0.079028047	-0.832934013	1006.131102	-0.613110172
5A	5.0369704	0.050369704	0.100147616	0.019855015	0.099264757	-0.88939821	1005.909197	-0.590919708
7A	7.00777356	0.035038868	0.139277942	0.019947538	0.139043468	-0.168633782	1006.300561	-0.630056122
9A	9.00811992	0.0450406	0.179179928	0.019924284	0.178735978	-0.248382933	1005.48315	-0.548314988
11A	11.0187048	0.02203741	0.219239393	0.020010833	0.219749101	0.231949934	1005.175635	-0.517563465
13A	13.0142942	0.026028588	0.2591728	0.019985371	0.259351134	0.068761475	1004.294756	-0.429475624
15A	15.02066005	0.03004132	0.299270766	0.02000024	0.299672439	0.134037486	1003.817396	-0.381739592
18A	18.00941455	0.036018829	0.359046573	0.020047849	0.360305652	0.349447576	1003.17986	-0.317986046
21A	21.0165414	0.042033083	0.419332997	0.020074981	0.421162298	0.434345745	1002.379567	-0.237956709
24A	24.02367605	0.048047352	0.479701167	0.020289123	0.486674953	1.432945235	1001.610073	-0.161007321
27A	26.9879822	0.026987982	0.539844339	0.02013124	0.542557192	0.500012435	999.8431122	0.015688782
30A	30.013255	0.030013255	0.600746833	0.019963484	0.598424785	-0.388026781	999.1981098	0.08018902
35A	35.0081687	0.035008169	0.700462715	0.020167766	0.705292206	0.684750414	999.5726525	0.042734751
40A	39.9525234	0.039952523	0.800179306	0.020014014	0.798866006	-0.164395492	998.5892687	0.141073131
45A	45.0203056	0.045020306	0.901605971	0.020153787	0.90658528	0.549237779	998.669198	0.133080197
50A	50.0042349	0.050004235	1.00205102	0.01988225	0.993452334	-0.865535845	998.0377027	0.196229729
60A	60.1275464	0.030063773	1.20332523	0.020012878	1.202580865	-0.061897296	999.3565314	0.06434686

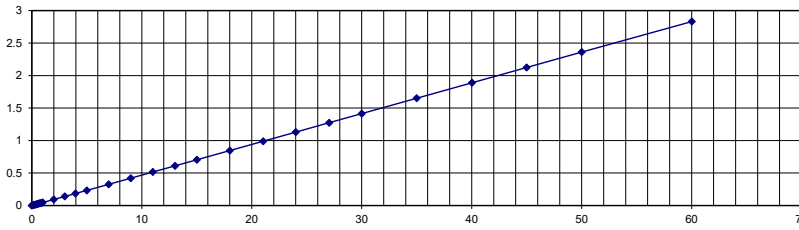
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8349-1000-A
Lot #:	31427
TURNS/RATIO:	1000
DATE:	July 29, 2020
TESTER:	lb

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	50
Burden (Ohms):	47
MEASUREMENT CT TURNS RATIO:	1000
FREQUENCY(Hz):	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR		Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000959609	0.000959609	5.3004E-05	0.04704932	-0.00091446	105.7962019	850.9105895	14.90894105	
0.1A	0.101149567	0.101149567	0.004766873	0.046906967	0.00378501	-25.94084178	997.3056257	0.269437427	
0.2A	0.198966545	0.198966545	0.009355171	0.046825232	0.008357045	-11.94352682	999.5998443	0.040015569	
0.3A	0.302277464	0.302277464	0.014192729	0.046942389	0.013230017	-7.276726942	1001.008397	-0.100839719	
0.4A	0.400210606	0.400210606	0.018789945	0.046912164	0.017815136	-5.471797949	1001.06195	-0.106195002	
0.5A	0.500675762	0.500675762	0.023502982	0.046840516	0.022492301	-4.49345299	1001.224458	-0.122445796	
0.6A	0.598443234	0.598443234	0.028082461	0.046878684	0.027094622	-3.64588759	1001.580018	-0.158001814	
0.7A	0.701856374	0.701856374	0.032930333	0.046796985	0.031885153	-3.277952969	1001.728391	-0.172839059	
0.8A	0.799973368	0.799973368	0.037521913	0.046775851	0.036459825	-2.913034744	1002.047755	-0.204775532	
0.9A	0.900340178	0.900340178	0.042216656	0.046743983	0.041125877	-2.652292424	1002.352931	-0.235293073	
1A	1.00068107	1.00068107	0.046906989	0.046638528	0.045710683	-2.617124246	1002.665313	-0.266531265	
2A	2.0003803	2.0003803	0.09353149	0.046382306	0.091822641	-1.861031637	1005.200223	-0.520022297	
3A	3.00033239	3.00033239	0.139911573	0.046536632	0.138665756	-0.898431812	1007.891051	-0.78910508	
4A	3.98013176	0.039801318	0.185508136	0.046529835	0.184235265	-0.690894559	1008.398859	-0.839885923	
5A	5.01187189	0.050118719	0.233514834	0.046834713	0.233769971	0.109140101	1008.749529	-0.874952908	
7A	6.99911348	0.034995567	0.326586723	0.047102957	0.328719331	0.648762604	1007.261809	-0.726180948	
9A	9.00689824	0.045034491	0.421159322	0.047365301	0.42565484	1.056141676	1005.140324	-0.514032378	
11A	11.01290965	0.022025819	0.516174657	0.047067912	0.517395055	0.235873494	1002.774442	-0.277444181	
13A	13.0356978	0.026071396	0.611383072	0.047143236	0.61358537	0.358922909	1002.117698	-0.211769782	
15A	15.0141207	0.030028241	0.70465233	0.047236394	0.708253309	0.508430897	1001.435237	-0.143523672	
18A	18.01333185	0.036026664	0.846324249	0.047336203	0.851723118	0.633876097	1000.357248	-0.035724836	
21A	21.04413115	0.042088262	0.989790779	0.047299491	0.994417079	0.46522733	999.2759935	0.072400649	
24A	24.008606	0.048017212	1.13000893	0.047730236	1.144976822	1.30726593	998.5801457	0.141985427	
27A	27.0405336	0.027040534	1.27472355	0.047283511	1.277611759	0.226063135	997.0044714	0.299552856	
30A	30.0150754	0.030015075	1.41537033	0.047281644	1.418202498	0.199701217	996.7063135	0.329368654	
35A	34.9998105	0.034999811	1.6510568	0.047337383	1.655839829	0.288858202	996.3261673	0.367383272	
40A	40.0357359	0.040035736	1.88944433	0.047287774	1.892241242	0.147809466	995.8904623	0.41095377	
45A	44.9950433	0.044995043	2.12395894	0.04735798	2.129914744	0.279626421	995.6722775	0.43277225	
50A	50.013016	0.050013016	2.36159999	0.046912033	2.345252659	-0.697039236	995.3471214	0.465287858	
60A	60.0263556	0.030013178	2.83134611	0.047168383	2.830386501	-0.033903831	996.4301797	0.356982029	

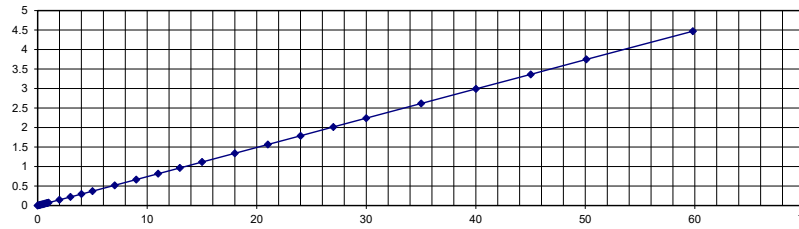
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8349-1000-A
Lot #:	31427
TURNS/RATIO:	1000
DATE:	July 29, 2020
TESTER:	lb

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	50
Burden (Ohms):	75
MEASUREMENT CT TURNS RATIO:	1000
FREQUENCY(Hz):	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000817141	0.000817141	5.9163E-05	0.074024377	-0.000756653	107.8190433	1035.87676	-3.587675982
0.1A	0.100348045	0.100348045	0.007426876	0.073879566	0.006596529	-12.5876401	1013.360557	-1.336055735
0.2A	0.199211661	0.199211661	0.014730877	0.074096907	0.013943827	-5.644436089	1014.255592	-1.425559199
0.3A	0.299805471	0.299805471	0.022184567	0.073813997	0.021312699	-4.090839999	1013.56091	-1.356091014
0.4A	0.399714659	0.399714659	0.029559264	0.073800279	0.028681912	-3.058902458	1014.186264	-1.418626412
0.5A	0.500962943	0.500962943	0.037031416	0.073828792	0.036168348	-2.386252047	1014.603958	-1.460395769
0.6A	0.601750299	0.601750299	0.044472424	0.073600482	0.043471971	-2.301375476	1014.814759	-1.481475851
0.7A	0.700995255	0.700995255	0.051776901	0.073228768	0.050515878	-2.496290554	1015.407321	-1.540732088
0.8A	0.80058812	0.80058812	0.059069964	0.073574466	0.058085702	-1.694498155	1016.491383	-1.649138311
0.9A	0.901177195	0.901177195	0.066470751	0.073181645	0.065132488	-2.054678218	1016.812485	-1.681248529
1A	0.999686636	0.999686636	0.073679834	0.073022139	0.072182115	-2.074916814	1017.598624	-1.759862407
2A	2.00277399	2.00277399	0.146927418	0.073396559	0.146179577	-0.51159039	1022.328244	-2.232824407
3A	2.99779007	2.99779007	0.219958174	0.073559248	0.219698041	-0.118404717	1022.16822	-2.216822026
4A	4.00669302	0.04006693	0.294172316	0.073971065	0.29556221	0.470254371	1021.516846	-2.151684627
5A	5.01206594	0.050120659	0.368540822	0.074458255	0.372372544	1.029002357	1019.981839	-1.998183935
7A	7.03724408	0.03518622	0.519332053	0.074680396	0.524727034	1.028150012	1016.292568	-1.629256841
9A	9.00521744	0.045026087	0.666301083	0.074741607	0.672247285	0.884525937	1013.642819	-1.364281889
11A	11.0154408	0.022030882	0.816548408	0.074731091	0.822378767	0.708962699	1011.768625	-1.176862499
13A	12.9859878	0.025971976	0.963809535	0.075033602	0.973568298	1.002370711	1010.520284	-1.052028397
15A	15.01715665	0.030034313	1.11621545	0.074727938	1.121384016	0.46090955	1009.022719	-0.902271936
18A	18.01259965	0.036025199	1.34005873	0.074922464	1.348731201	0.643009599	1008.123706	-0.812370645
21A	21.02325145	0.042046503	1.56562418	0.074916202	1.574165007	0.54256237	1007.102393	-0.710239334
24A	24.008593	0.048017186	1.78927463	0.075743521	1.817678221	1.562630332	1006.354444	-0.635444376
27A	26.9951942	0.026995194	2.01549032	0.075123362	2.027152601	0.575303568	1004.539464	-0.453946363
30A	30.0040658	0.030004066	2.24152687	0.074940597	2.247705475	0.274884992	1003.91611	-0.391610965
35A	35.018663	0.035018663	2.61732378	0.074995764	2.625434252	0.308919266	1003.467643	-0.34676432
40A	40.0195037	0.040019504	2.99236565	0.074319807	2.973424658	-0.637009298	1003.040112	-0.304011226
45A	45.0232652	0.045023265	3.36424424	0.075559719	3.401128141	1.0844608	1003.715738	-0.371573795
50A	50.0954054	0.050095405	3.74749373	0.074351149	3.723833825	-0.635364141	1002.57817	-0.257816976
60A	59.8306034	0.029915302	4.47131689	0.07473294	4.470499749	-0.018278519	1003.573526	-0.357352552

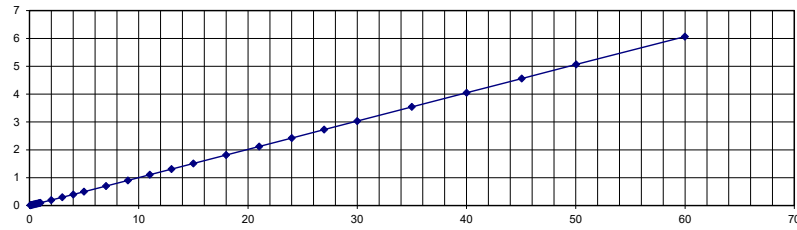
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8349-1000-A
Lot #:	31427
TURNS/RATIO:	1000
DATE:	July 29, 2020
TESTER:	lb

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	50
Burden (Ohms):	100
MEASUREMENT CT TURNS RATIO:	1000
FREQUENCY(Hz):	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.100536718	0.100536718	0.010010777	0.131758331	-0.087290168	111.4683904	1004.284842	-0.426484214
0.1A	0.100723469	0.100723469	0.010035383	0.099376431	-0.090527179	111.085492	1003.683337	-0.368333717
0.2A	0.199965224	0.199965224	0.019897675	0.099553119	-0.080629556	124.6778917	1004.967807	-0.496780664
0.3A	0.300506498	0.300506498	0.029906872	0.099488787	-0.070639691	142.3372068	1004.807517	-0.480751715
0.4A	0.400398007	0.400398007	0.039844957	0.099387958	-0.060741978	165.5970689	1004.890044	-0.489004417
0.5A	0.500456425	0.500456425	0.049789559	0.099073814	-0.050954591	197.7135871	1005.143319	-0.514331932
0.6A	0.600574322	0.600574322	0.059708621	0.09874545	-0.041232736	244.8087768	1005.841893	-0.584189344
0.7A	0.700916702	0.700916702	0.069616974	0.098392728	-0.031571611	320.5049765	1006.81868	-0.681868043
0.8A	0.80001208	0.80001208	0.079367239	0.097990035	-0.022143506	458.4221838	1007.987793	-0.798779331
0.9A	0.90078239	0.90078239	0.089241725	0.098322727	-0.011969337	845.5861908	1009.373574	-0.937357384
1A	1.00012512	1.00012512	0.099009373	0.0984081	-0.002116305	4778.407382	1010.131756	-1.013175589
2A	2.00135277	2.00135277	0.197538284	0.099187203	0.097971865	-101.6275639	1013.146783	-1.314678323
3A	3.00198097	3.00198097	0.296787796	0.09976563	0.198957805	-49.1712252	1011.490705	-1.149070496
4A	4.00894107	0.040089411	0.397247805	0.10043851	0.302115348	-31.48878634	1009.17891	-0.917891038
5A	4.99798881	0.049979888	0.496586286	0.100937787	0.403949212	-22.9328519	1006.469359	-0.646935908
7A	7.0095385	0.035047693	0.69962766	0.101177948	0.608674006	-14.94291747	1001.895565	-0.189556542
9A	9.0113777	0.045056889	0.902169643	0.101952532	0.818196054	-10.26326009	998.8562317	0.114376826
11A	11.00952795	0.022019056	1.10588612	0.101166822	1.01326224	-9.141155826	995.5390298	0.446097018
13A	13.00544455	0.026010889	1.30780666	0.101261087	1.21640873	-7.51375156	994.4470347	0.55529653
15A	15.0078168	0.030015634	1.51056905	0.10136394	1.42071473	-6.324585661	993.5207398	0.647926025
18A	18.00273135	0.036005463	1.81414539	0.101383928	1.724650893	-5.189136985	992.3532838	0.764671623
21A	21.02486935	0.042049739	2.12054161	0.101370893	2.030773069	-4.420412218	991.485819	0.851418096
24A	24.0085334	0.048017067	2.4229983	0.102447744	2.359083363	-2.709312346	990.8605136	0.91394864
27A	26.9711636	0.026971164	2.72651308	0.101526621	2.63775438	-3.36493424	989.2181995	1.078180047
30A	30.0011696	0.03000117	3.03413935	0.101477195	2.943897813	-3.065376014	988.786807	1.121319296
35A	35.0052897	0.03500529	3.54194342	0.10153695	3.453793634	-2.55225979	988.3074219	1.169257808
40A	40.0146262	0.040014626	4.05057617	0.100760889	3.931372606	-3.032110551	987.8749225	1.21250775
45A	45.0629684	0.045062968	4.55925162	0.101971611	4.494606752	-1.4382764	988.3852034	1.161479655
50A	50.0331687	0.050033169	5.06607095	0.1003758	4.921582613	-2.935810466	987.6128699	1.238713011
60A	59.9886792	0.02999434	6.06536328	0.101108465	5.964826562	-1.685492729	989.036871	1.096312899

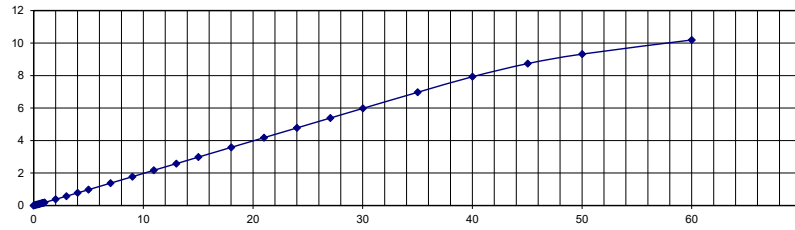
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8349-1000-A
Lot #:	31427
TURNS/RATIO:	1000
DATE:	July 29, 2020
TESTER:	lb

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	50
Burden (Ohms):	200
MEASUREMENT CT TURNS RATIO:	1000
FREQUENCY(Hz):	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR		Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.00083942	0.00083942	0.000134327	0.190835385	-0.000679229	119.7763543		1249.818298	-24.98182982
0.1A	0.100970519	0.100970519	0.019242884	0.192079223	0.018554919	-3.707720933		1049.432311	-4.943231065
0.2A	0.20054798	0.20054798	0.038369645	0.192092832	0.03768441	-1.818352308		1045.347073	-4.534707331
0.3A	0.301131144	0.301131144	0.05769095	0.190525956	0.056533879	-2.046684978		1043.945872	-4.394587215
0.4A	0.399641928	0.399641928	0.076459811	0.189372825	0.074841901	-2.16177036		1045.364677	-4.536467661
0.5A	0.501532136	0.501532136	0.095755048	0.189116069	0.094008366	-1.858006172		1047.531486	-4.7531486
0.6A	0.600755928	0.600755928	0.114519861	0.187962888	0.1120804	-2.176528091		1049.173345	-4.91733447
0.7A	0.700093729	0.700093729	0.133191681	0.188783745	0.131326896	-1.419956505		1051.257442	-5.125744152
0.8A	0.801159459	0.801159459	0.152271248	0.188931398	0.150524757	-1.160268357		1052.279363	-5.227936268
0.9A	0.900523806	0.900523806	0.171044293	0.189567586	0.169870704	-0.69087202		1052.971473	-5.29714733
1A	1.00031363	1.00031363	0.189961209	0.192643018	0.191864017	0.991748386		1053.176736	-5.317673568
2A	1.99845179	1.99845179	0.382245557	0.195900094	0.390657473	2.153271608		1045.637682	-4.563768154
3A	2.99788004	2.99788004	0.578033645	0.19905062	0.595890462	2.996660919		1037.268355	-3.726835486
4A	4.00837979	0.040083798	0.779174247	0.198149767	0.7934201	1.795499431		1028.87892	-2.887892033
5A	5.00621287	0.050062129	0.976894639	0.200252906	1.001669254	2.473332878		1024.923809	-2.49238086
7A	7.01590656	0.035079533	1.37934164	0.199251517	1.397090604	1.270423247		1017.28337	-1.728337006
9A	9.01008084	0.045050404	1.77668389	0.201738805	1.816843525	2.2104069		1014.25818	-1.42581796
11A	10.9660606	0.021932121	2.17128091	0.199554236	2.18748442	0.740737161		1010.100586	-1.01005862
13A	13.0218099	0.02604362	2.58151439	0.200048212	2.604150368	0.869226976		1008.85046	-0.885046006
15A	15.03168355	0.030063367	2.98358602	0.200160507	3.00790998	0.808666475		1007.625284	-0.762528375
18A	18.0202149	0.03604043	3.58177197	0.199839562	3.602114452	0.564737252		1006.217875	-0.621787489
21A	21.00492025	0.042009841	4.17853265	0.199499625	4.189634298	0.26497893		1005.373034	-0.537303448
24A	24.0035327	0.048007065	4.77675471	0.20018543	4.804318092	0.573720994		1005.014247	-0.501424742
27A	27.0637197	0.02706372	5.38935956	0.199949884	5.410548208	0.391617389		1004.338991	-0.433899051
30A	30.0272723	0.030027272	5.98192156	0.198031988	5.945521003	-0.61223494		1003.934003	-0.393400344
35A	35.0148431	0.035014843	6.96962012	0.191830789	6.716085564	-3.775034627		1004.784838	-0.478483754
40A	40.0189764	0.040018976	7.92956696	0.160330178	6.415410174	-23.60187026		1009.360955	-0.936095507
45A	45.0573012	0.045057301	8.73736247	0.117570469	5.296568616	-64.96269761		1031.370768	-3.137076789
50A	50.025419	0.050025419	9.32146641	0.087149408	4.358846254	-113.8516907		1073.337966	-7.333796636
60A	60.012711	0.030006356	10.191853	0.169828239	10.19101358	-0.008236863		1177.660451	-17.7660451

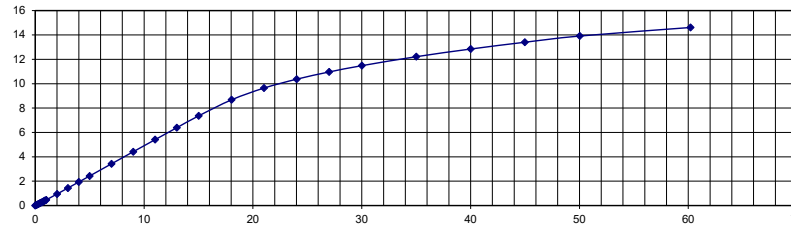
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8349-1000-A
Lot #:	31427
TURNS/RATIO:	1000
DATE:	July 29, 2020
TESTER:	lb

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	50
Burden (Ohms):	500
MEASUREMENT CT TURNS RATIO:	1000
FREQUENCY(Hz):	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR		Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.000870107	0.000870107	0.000288816	0.426121816	-0.000499336	157.8400911	1506.334146	-50.63341456	
0.1A	0.100214709	0.100214709	0.042621718	0.441200634	0.043344686	1.667949792	1175.62962	-17.56296203	
0.2A	0.201413822	0.201413822	0.087270831	0.44332916	0.088422513	1.30247626	1153.958427	-15.39584272	
0.3A	0.300112326	0.300112326	0.131026756	0.438026236	0.130586965	-0.336779915	1145.232986	-14.52329858	
0.4A	0.399835033	0.399835033	0.174707918	0.440312045	0.175182074	0.270664545	1144.295684	-14.42956838	
0.5A	0.500553109	0.500553109	0.2190553	0.449233199	0.223994967	2.205258023	1142.526816	-14.25268163	
0.6A	0.600652167	0.600652167	0.26402312	0.45504415	0.272453148	3.094120098	1137.499184	-13.74991838	
0.7A	0.700346078	0.700346078	0.309388251	0.46112544	0.322077286	3.939748608	1131.823972	-13.18239716	
0.8A	0.801406464	0.801406464	0.355989766	0.582083772	0.46561559	23.54427701	1125.603234	-12.56032343	
0.9A	0.905416182	0.09054162	0.416532135	0.482764848	0.436232998	4.516133152	1086.850336	-8.685033629	
1A	1.00475415	0.010047542	0.464489014	0.48415281	0.485584438	4.344336907	1081.569337	-8.156933718	
2A	2.00376376	0.020037638	0.948162324	0.491903362	0.984788022	3.719145374	1056.656497	-5.665649714	
3A	3.00307713	0.030030771	1.43972793	0.49474685	1.484892844	3.041627814	1042.932164	-4.293216358	
4A	4.01167106	0.040116711	1.9387266	0.495546493	1.987099416	2.434343041	1034.614953	-3.461495293	
5A	4.999369	0.04999369	2.42817685	0.496922118	2.483426926	2.224751427	1029.449111	-2.944911117	
7A	7.00603476	0.035030174	3.42533345	0.496264629	3.475977134	1.456962509	1022.679231	-2.267923142	
9A	9.00075496	0.045003775	4.41524253	0.493481311	4.440834249	0.57628178	1019.282055	-1.928205516	
11A	11.01268015	0.02202536	5.40809001	0.491902557	5.416295418	0.151494836	1018.167239	-1.816723923	
13A	13.0181867	0.026036373	6.39460381	0.484051417	6.30060161	-1.491955933	1017.904087	-1.790408654	
15A	15.01775085	0.030035502	7.36249567	0.435309243	6.536495647	-12.63674096	1019.881812	-1.988181203	
18A	18.04589195	0.036091784	8.68067348	0.32291867	5.82648532	-48.98644729	1039.429256	-3.942925578	
21A	21.02500025	0.042050001	9.64268317	0.242751652	5.102983442	-88.96167857	1090.204867	-9.020486722	
24A	24.02261375	0.048045228	10.3703588	0.198645878	4.771123086	-117.3567651	1158.234455	-15.82344552	
27A	27.0107412	0.027010741	10.963938	0.171767662	4.638701745	-136.3578993	1231.79925	-23.17992495	
30A	30.0137273	0.030013727	11.4797539	0.147195785	4.417024034	-159.897927	1307.246112	-30.72461118	
35A	35.0129547	0.035012955	12.2156191	0.125866886	4.406101472	-177.2432541	1433.122399	-43.3122399	
40A	40.0118096	0.04001181	12.8448094	0.111864309	4.475023309	-187.0333519	1557.508888	-55.75088876	
45A	44.9928407	0.044992841	13.402009	0.10101835	4.544232409	-194.9234941	1678.585677	-67.8585677	
50A	50.0426678	0.050042668	13.9121342	0.068819039	3.443018218	-304.067981	1798.525916	-79.85259156	
60A	60.2147816	0.030107391	14.6121693	0.24266748	14.61129919	-0.00595503	2060.432656	-106.0432656	

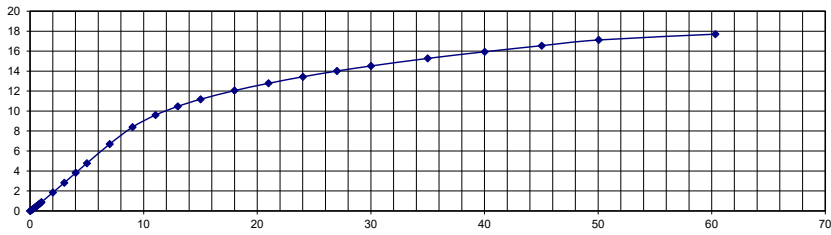
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8349-1000-A
Lot #:	31427
TURNS/RATIO:	1000
DATE:	July 29, 2020
TESTER:	lb

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	50
Burden (Ohms):	1000
MEASUREMENT CT TURNS RATIO:	1000
FREQUENCY(Hz):	60



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error Affected by Core and DCR	Equivalent Turns Ratio	% Absolute Error Affected by turns ratio
0A	0.001016306	0.001016306	0.000548636	0.742417614	-0.000261782	309.5771862	1852.421587	-85.2421587
0.1A	0.101692445	0.101692445	0.075292375	0.81680172	0.082046258	8.231798572	1350.634038	-35.06340378
0.2A	0.1999773	0.1999773	0.155571614	0.841638383	0.167292266	7.006092893	1285.435658	-28.54356579
0.3A	0.300301465	0.300301465	0.240008282	0.870440033	0.260378111	7.823172678	1251.212927	-25.12129269
0.4A	0.40084371	0.40084371	0.326863318	0.888872971	0.354607878	7.824011064	1224.011227	-22.40112272
0.5A	0.499719834	0.499719834	0.415426588	0.907339202	0.45239909	8.17254111	1202.907682	-20.2907682
0.6A	0.600124182	0.600124182	0.506527389	0.918189471	0.550011399	7.9060198	1184.781307	-18.47813071
0.7A	0.697470209	0.697470209	0.595909486	0.928767043	0.646771037	7.863919154	1170.429781	-17.04297807
0.8A	0.800113259	0.800113259	0.691240968	0.920616341	0.735581035	6.027896935	1157.50266	-15.75026598
0.9A	0.900885018	0.900885018	0.784013096	0.963902872	0.86734935	9.608153188	1149.068839	-14.9068839
1A	1.0033358	1.0033358	0.882765699	0.960433276	0.962620783	8.295591114	1136.582222	-13.65822224
2A	2.0046959	2.0046959	1.84450526	0.970367351	1.944275143	5.131469358	1086.847483	-8.684748343
3A	3.00101788	3.00101788	2.81130358	0.989766625	2.969291034	5.320713003	1067.48268	-6.748268005
4A	4.01415582	0.040141558	3.8140737	0.971681772	3.899465735	2.189839346	1052.458902	-5.245890241
5A	5.00244577	0.050024458	4.77437703	0.956710992	4.784878552	0.219473105	1047.769319	-4.776931913
7A	7.00114232	0.035005712	6.68655199	0.845044399	5.915259799	-13.03902478	1047.048214	-4.704821416
9A	9.00951916	0.045047596	8.38371959	0.598023651	5.386889235	-55.63192827	1074.644621	-7.464462084
11A	11.03283275	0.022065666	9.59370897	0.442434564	4.880290245	-96.58070499	1150.007029	-15.0007029
13A	13.0050969	0.026010194	10.4663068	0.357130423	4.643499454	-125.3969641	1242.567904	-24.25679037
15A	15.00624845	0.030012497	11.1809789	0.290157561	4.353160148	-156.8474056	1342.122956	-34.21229558
18A	17.9960923	0.035992185	12.0485047	0.243761126	4.385731414	-174.7205326	1493.636899	-49.36369905
21A	20.99084135	0.041981683	12.7785081	0.216481829	4.543119432	-181.2716745	1642.667609	-64.26676092
24A	24.00516085	0.048010322	13.4310535	0.191035808	4.584828991	-192.9455717	1787.288008	-78.72880076
27A	27.0044038	0.027004404	14.0040163	0.169889133	4.586738456	-205.3153441	1928.332788	-92.83327884
30A	30.0103877	0.030010388	14.5147003	0.151618344	4.549108975	-219.066885	2067.585763	-106.7585763
35A	34.9903214	0.034990321	15.2697496	0.13236586	4.630507672	-229.7640493	2291.479711	-129.1479711
40A	40.0196477	0.040019648	15.9354607	0.121910206	4.877787173	-226.6944648	2511.358062	-151.1358062
45A	45.0274647	0.045027465	16.5459647	0.113981008	5.131259516	-222.4542561	2721.356265	-172.1356265
50A	50.0487714	0.050048771	17.1182983	0.056544463	2.828964	-505.1082542	2923.700155	-192.3700155
60A	60.316477	0.030158239	17.6988802	0.293433587	17.69786389	-0.005742534	3407.926169	-240.7926169