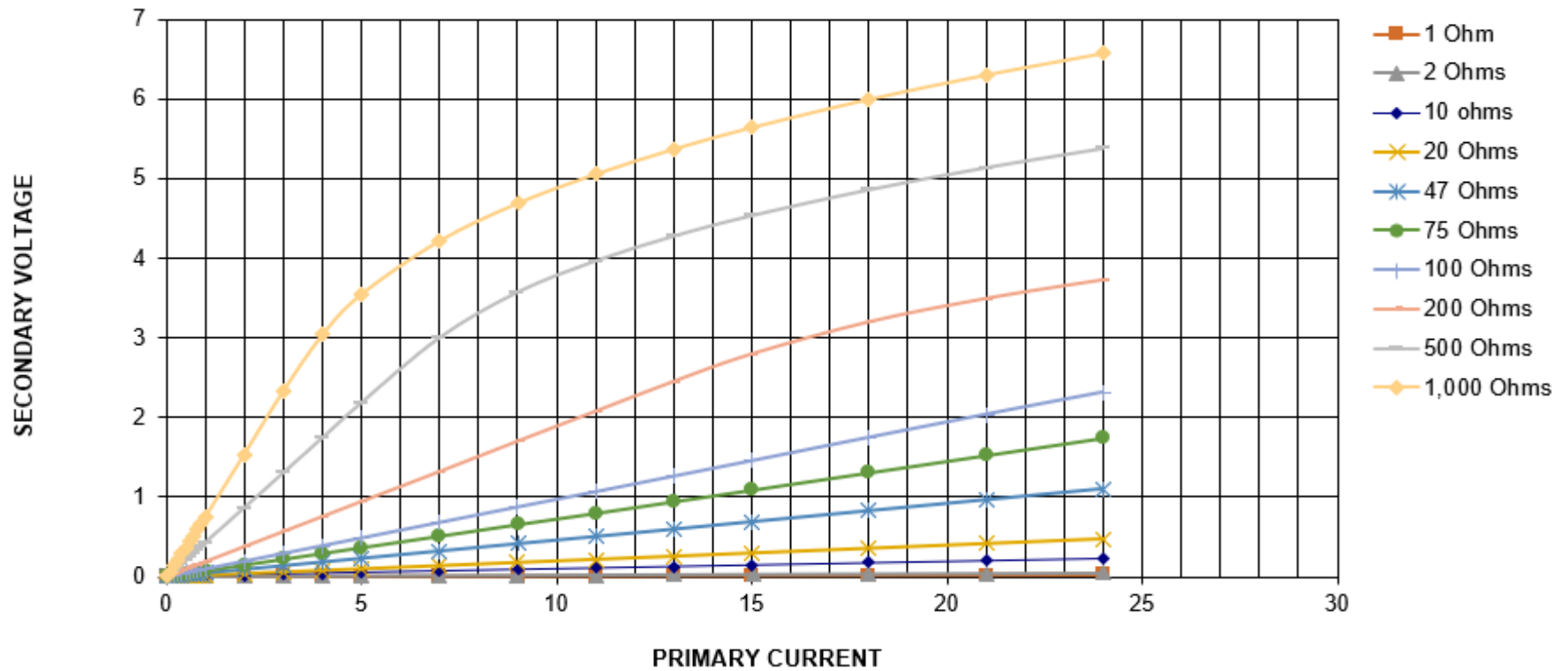


CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE



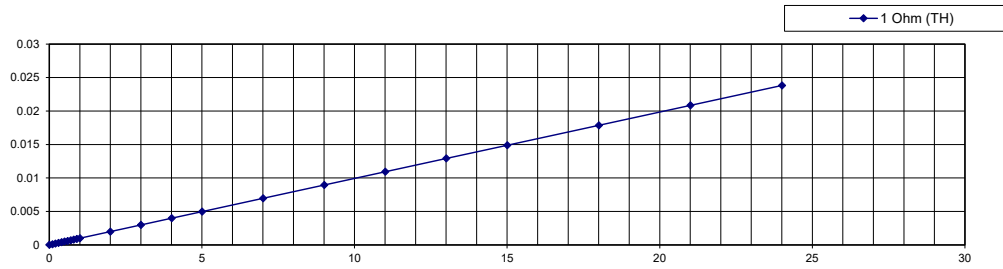
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8410-1000
Lot #:	30491
TURNS/RATIO:	1000
DATE:	May 22, 2020
TESTER:	LB

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	20
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		Equivalent Turns Ratio	% Absolute Error	
						Affected by Core and DCR			Affected by turns ratio	
0A	0.000553799	0.000553799	2.29192E-05	0.000839506	-0.000553334		104.1420133	24.16313353		97.58368665
0.1A	0.100671859	0.100671859	0.000106969	0.000973113	-0.000455834		123.4666291	941.1324264		5.886757357
0.2A	0.200237306	0.200237306	0.000203857	0.001048002	-0.00034395		159.2694636	982.2426062		1.77573938
0.3A	0.300711126	0.300711126	0.000309154	0.00099261	-0.00025531		221.089614	972.6902837		2.730971634
0.4A	0.400809875	0.400809875	0.000408513	0.001002503	-0.000151986		368.7836676	981.143352		1.885664797
0.5A	0.500299691	0.500299691	0.000508252	0.000911667	-9.76925E-05		620.2569799	984.3537591		1.564624085
0.6A	0.600367326	0.600367326	0.00059948	0.000994714	4.3395E-05		-1281.449313	1001.479747		-0.147974684
0.7A	0.700098403	0.700098403	0.000698684	0.001030907	0.000167937		-316.0384436	1002.024113		-0.202411336
0.8A	0.800209641	0.800209641	0.00080189	0.00100638	0.000251516		-218.8227644	997.905032		0.2094968
0.9A	0.900109479	0.900109479	0.000902427	0.000992662	0.000339706		-165.649507	997.4321783		0.256782171
1A	1.00177989	1.00177989	0.001003351	0.000991456	0.000439422		-128.3343625	998.4339979		0.156600211
2A	2.00050579	2.00050579	0.001993544	0.000993223	0.00143315		-39.10229899	1003.492102		-0.349210228
3A	3.00213577	3.00213577	0.002988386	0.000998375	0.002443457		-22.30155097	1004.600995		-0.460099498
4A	4.00560155	0.040056016	0.003990221	0.000986782	0.003398857		-17.39890621	1003.854548		-0.385454836
5A	5.00625358	0.050062536	0.004977647	0.000994794	0.004426391		-12.45383589	1005.747087		-0.574708738
7A	7.00296418	0.035014821	0.006963962	0.00099164	0.006390622		-8.971580505	1005.600576		-0.560057624
9A	9.0056614	0.045028307	0.008949917	0.000990734	0.008368419		-6.948721864	1006.228464		-0.622846435
11A	11.0046298	0.02200926	0.010930364	0.000993196	0.010375951		-5.343243557	1006.794467		-0.679446735
13A	13.00413765	0.026008275	0.012916266	0.000986935	0.01228044		-5.177553579	1006.803154		-0.68031541
15A	15.00431795	0.030008636	0.014890314	0.000992665	0.014340457		-3.834309038	1007.656229		-0.765622859
18A	18.0034414	0.036006883	0.017867438	0.000992838	0.017320695		-3.156589641	1007.611796		-0.761179634
21A	21.00631755	0.042012635	0.020848807	0.000992525	0.020295496		-2.726270288	1007.554919		-0.755491927
24A	24.0044933	0.048008987	0.023824571	0.000992505	0.023270772		-2.379805078	1007.551968		-0.755196812

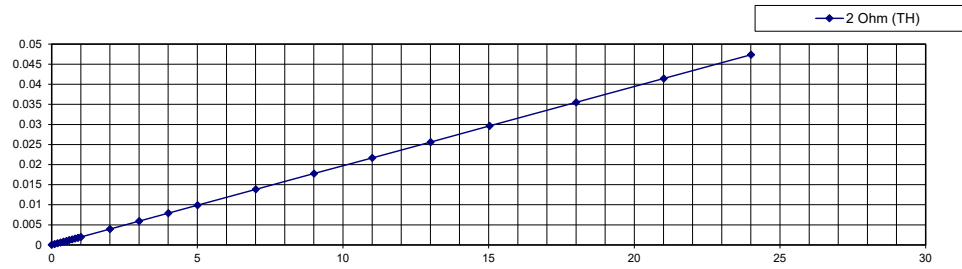
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8410-1000
Lot #:	30491
TURNS/RATIO:	1000
DATE:	May 22, 2020
TESTER:	LB

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	20
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		Equivalent Turns Ratio	% Absolute Error	
						Affected by Core and DCR			Affected by turns ratio	
0A	0.000714182	0.000714182	1.88994E-05	0.001813639	-0.000712886		102.6511071	75.5772518		92.44227478
0.1A	0.100006551	0.100006551	0.00019898	0.00203638	-0.00051053		138.9751442	1005.192454		-0.51924539
0.2A	0.200789026	0.200789026	0.000404211	0.001985097	-0.000315596		228.0787958	993.4853708		0.651462922
0.3A	0.300778464	0.300778464	0.0006027	0.001942461	-0.000129931		563.8605381	998.1032126		0.18967874
0.4A	0.400468549	0.400468549	0.000796344	0.002006812	8.94836E-05		-789.9335838	1005.767504		-0.576750369
0.5A	0.500918733	0.500918733	0.000997929	0.001894546	0.000234832		-324.9544672	1003.916742		-0.391674222
0.6A	0.600119342	0.600119342	0.001185869	0.001998916	0.000485406		-144.3044235	1012.117472		-1.211747217
0.7A	0.700122752	0.700122752	0.001385767	0.001995185	0.000682693		-102.9854103	1010.447774		-1.044777416
0.8A	0.800384733	0.800384733	0.001585809	0.001917061	0.000820205		-93.34292755	1009.434245		-0.94342447
0.9A	0.900439548	0.900439548	0.00177762	0.002000146	0.001086829		-63.56024915	1013.084522		-1.308452242
1A	1.00461189	1.00461189	0.00198598	0.001971894	0.001266806		-56.77057291	1011.704108		-1.170410779
2A	2.0007569	2.0007569	0.003950272	0.001977588	0.003242492		-21.82826423	1012.97174		-1.297174
3A	3.00366685	3.00366685	0.005933615	0.00197387	0.005214667		-13.78703944	1012.423902		-1.242390168
4A	4.00382349	0.040038235	0.007907794	0.001981022	0.007217479		-9.564492106	1012.627104		-1.262710365
5A	5.00555358	0.050055536	0.009892243	0.001969269	0.009143102		-8.193512492	1012.015856		-1.201585579
7A	7.00517902	0.035025895	0.013830045	0.001975722	0.013126106		-5.362890504	1013.037799		-1.303779879
9A	9.00360634	0.045018032	0.017778382	0.001942359	0.016774057		-5.987368698	1012.871294		-1.287129398
11A	11.00249255	0.022004985	0.021660937	0.001968175	0.020940689		-3.439467533	1015.883334		-1.588333399
13A	13.00903355	0.026018067	0.025610168	0.00199175	0.025196555		-1.641547418	1015.927221		-1.59272206
15A	15.0273562	0.030054712	0.029630162	0.001974444	0.028956484		-2.326516209	1014.328336		-1.432833567
18A	18.0006276	0.036001255	0.035500718	0.001973403	0.034808306		-1.989213358	1014.099357		-1.409935713
21A	21.00604755	0.042012095	0.041431622	0.001973448	0.040740164		-1.69723993	1014.01039		-1.401039045
24A	24.0013391	0.048002678	0.047342674	0.001972501	0.046628493		-1.531642094	1013.940991		-1.394099105

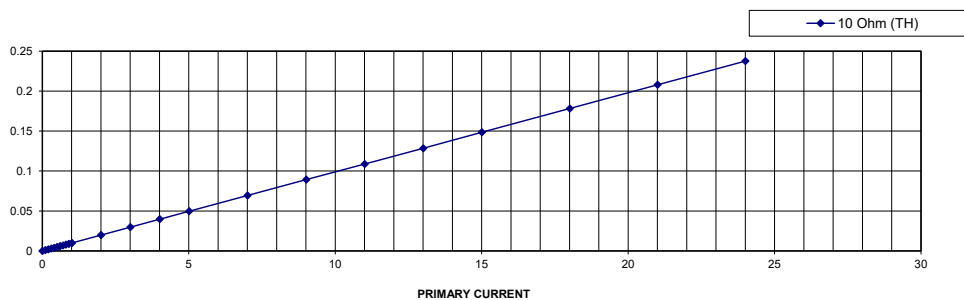
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8410-1000
Lot #:	30491
TURNS/RATIO:	1000
DATE:	May 22, 2020
TESTER:	LB

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	20
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		Equivalent Turns Ratio	% Absolute Error	
						Affected by Core and DCR			Affected by turns ratio	
0A	0.000661383	0.000661383	2.20105E-05	0.009682771	-0.000654979	103.3604883	300.48533	69.951467		
0.1A	0.100851577	0.100851577	0.000992129	0.009845459	0.000331547	-199.24215	1016.516562	-1.651656246		
0.2A	0.200716069	0.200716069	0.001975341	0.009939744	0.001333684	-48.11166823	1016.108464	-1.610846447		
0.3A	0.300381698	0.300381698	0.002965992	0.009910168	0.00231545	-28.09568922	1012.752952	-1.275295151		
0.4A	0.400835692	0.400835692	0.003961508	0.009881164	0.003299341	-20.06968116	1011.826098	-1.182609831		
0.5A	0.50059837	0.50059837	0.004947279	0.009828622	0.004258809	-16.16577945	1011.866023	-1.186602332		
0.6A	0.600269188	0.600269188	0.005926906	0.009900604	0.005281644	-12.21705725	1012.786756	-1.27867559		
0.7A	0.700242376	0.700242376	0.006916701	0.009966185	0.006317362	-9.487166195	1012.393608	-1.239360809		
0.8A	0.800755598	0.800755598	0.007918434	0.009880069	0.007250138	-9.217710353	1011.25497	-1.125497002		
0.9A	0.900042814	0.900042814	0.008899399	0.009955248	0.008298767	-7.237602189	1011.352383	-1.135238264		
1A	1.00653697	1.00653697	0.009959575	0.00990873	0.00931212	-6.952816282	1010.622458	-1.062245777		
2A	2.00041471	2.00041471	0.01980764	0.009917605	0.019177941	-3.283457457	1009.920753	-0.99207526		
3A	3.00206494	3.00206494	0.029741612	0.009921985	0.02912506	-2.116914072	1009.38205	-0.938205028		
4A	4.00476446	0.040047645	0.039690381	0.009925611	0.039088353	-1.540173193	1009.001254	-0.900125389		
5A	5.0072611	0.050072611	0.049640774	0.009901689	0.04891896	-1.475529739	1008.69925	-0.869925002		
7A	7.00497182	0.035024859	0.069421484	0.009916371	0.068802518	-0.899627245	1009.049566	-0.904956599		
9A	9.00763014	0.045038151	0.089280587	0.009762253	0.087273384	-2.299902923	1008.912512	-0.891251196		
11A	11.00243865	0.022004877	0.108754413	0.009860954	0.107833156	-0.854335194	1011.677443	-1.167744338		
13A	13.00481625	0.026009633	0.128499766	0.010016006	0.129594937	0.845072306	1012.0498	-1.204980015		
15A	15.00273405	0.030005468	0.148510923	0.009913746	0.148071917	-0.296481882	1010.210815	-1.021081459		
18A	18.0049304	0.036009861	0.178273936	0.009889441	0.177397315	-0.494157046	1009.958651	-0.99586515		
21A	21.0064689	0.042012938	0.207957474	0.00989553	0.207208765	-0.361330658	1010.132913	-1.013291304		
24A	24.002034	0.048004068	0.237600179	0.009899169	0.236938796	-0.279136558	1010.185855	-1.018585512		

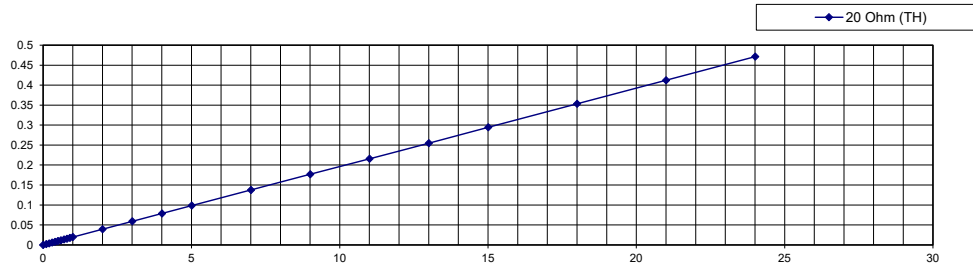
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8410-1000
Lot #:	30491
TURNS/RATIO:	1000
DATE:	May 22, 2020
TESTER:	LB

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	20
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		Equivalent Turns Ratio	% Absolute Error	
						Affected by Core and DCR			Affected by turns ratio	
0A	0.000659728	0.000659728	2.50349E-05	0.019242063	-0.000647034	103.8691849	527.0461988	47.29538012		
0.1A	0.100425651	0.100425651	0.001944737	0.01961469	0.00131009	-48.44306844	1032.794082	-3.279408222		
0.2A	0.20062543	0.20062543	0.003910125	0.019525268	0.003257537	-20.03317428	1026.184287	-2.618428721		
0.3A	0.300511145	0.300511145	0.00586042	0.019622898	0.005237171	-11.90048967	1025.561787	-2.556178699		
0.4A	0.400259439	0.400259439	0.007817771	0.019700615	0.007225629	-8.195024372	1023.973342	-2.397334195		
0.5A	0.500247094	0.500247094	0.009787589	0.019598069	0.009144149	-7.036636053	1022.20699	-2.220698992		
0.6A	0.600166526	0.600166526	0.011745817	0.019670511	0.011145854	-5.382837383	1021.923858	-2.192385785		
0.7A	0.700819199	0.700819199	0.013725706	0.019612199	0.013084877	-4.897478108	1021.177604	-2.117760438		
0.8A	0.800919915	0.800919915	0.015688902	0.019739714	0.015150201	-3.55573041	1021.001897	-2.100189729		
0.9A	0.900632314	0.900632314	0.017657196	0.019606688	0.016998688	-3.87387374	1020.13063	-2.013063026		
1A	1.00083392	1.00083392	0.019621817	0.019664136	0.019020806	-3.159759507	1020.123569	-2.012356919		
2A	2.00160516	2.00160516	0.039301119	0.019669712	0.038711269	-1.523716268	1018.599577	-1.859957728		
3A	3.00460122	3.00460122	0.059029763	0.019713265	0.058570772	-0.783651667	1017.995354	-1.799535434		
4A	4.00420069	0.040042007	0.078735132	0.019650381	0.078024342	-0.910985096	1017.131888	-1.71318884		
5A	5.00558325	0.050055833	0.098412682	0.019626409	0.097581894	-0.851375006	1017.263868	-1.726386756		
7A	7.00685064	0.035034253	0.137690373	0.019664482	0.137126359	-0.411309786	1017.769142	-1.776914207		
9A	9.00231654	0.045011583	0.176930176	0.019302692	0.173109216	-2.207254166	1017.612342	-1.761234217		
11A	11.00419855	0.022008397	0.215571888	0.019548144	0.214451929	-0.522242535	1020.930758	-2.093075791		
13A	13.00041835	0.026008837	0.25459428	0.019874784	0.25772078	1.213134715	1021.265548	-2.126554846		
15A	15.00579565	0.030011591	0.294450721	0.019640378	0.294059767	-0.132950427	1019.239865	-1.923986459		
18A	18.0015701	0.03600314	0.353288863	0.019653787	0.353139289	-0.042355399	1019.08506	-1.908505958		
21A	21.00097485	0.04200195	0.412238524	0.01967028	0.412435331	0.047718173	1018.874929	-1.887492931		
24A	24.0076214	0.048015243	0.471380104	0.019634603	0.470720376	-0.140152944	1018.609873	-1.860987328		

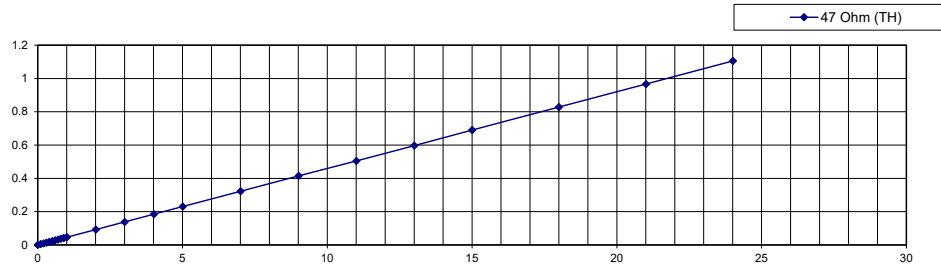
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8410-1000
Lot #:	30491
TURNS/RATIO:	1000
DATE:	May 22, 2020
TESTER:	LB

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	20
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		Equivalent Turns Ratio	% Absolute Error	
						Affected by Core and DCR			Affected by turns ratio	
0A	0.000533632	0.000533632	2.16701E-05	0.045169189	-0.000509529	104.2529645	1157.389856	-15.73898556		
0.1A	0.100687882	0.100687882	0.004545556	0.045833043	0.0040812	-11.37794764	1041.089403	-4.108940321		
0.2A	0.200600573	0.200600573	0.009124859	0.045842038	0.008662307	-5.339827586	1033.246328	-3.324632797		
0.3A	0.300199869	0.300199869	0.013690694	0.045927164	0.013253696	-3.297173965	1030.582836	-3.058283643		
0.4A	0.400136795	0.400136795	0.018280513	0.046032008	0.017885468	-2.208750689	1028.769223	-2.876922323		
0.5A	0.500508855	0.500508855	0.022900841	0.045943726	0.022461609	-1.955477462	1027.207538	-2.720753763		
0.6A	0.600831381	0.600831381	0.027510031	0.046133536	0.027184844	-1.196209044	1026.50101	-2.650100972		
0.7A	0.700658797	0.700658797	0.032115423	0.04598273	0.031684572	-1.359814797	1025.394044	-2.539404382		
0.8A	0.800592771	0.800592771	0.03671066	0.04597371	0.036272587	-1.207723212	1024.984578	-2.498457776		
0.9A	0.900317655	0.900317655	0.041295383	0.04609025	0.040962234	-0.813308403	1024.689128	-2.468912784		
1A	1.00501227	1.00501227	0.046120784	0.046120922	0.04581846	-0.659829643	1024.171161	-2.417116099		
2A	2.00210121	2.00210121	0.092107445	0.046084696	0.091732593	-0.408635858	1021.619445	-2.161944531		
3A	3.00084557	3.00084557	0.138134275	0.046147318	0.137947343	-0.135509904	1021.033641	-2.103364129		
4A	4.00807576	0.040080758	0.184615247	0.046090445	0.184200362	-0.225235672	1020.390048	-2.039004785		
5A	5.00418396	0.05004184	0.230526317	0.045938745	0.229352297	-0.51188489	1020.259418	-2.025941845		
7A	7.00707704	0.035035385	0.322536711	0.046068577	0.322272437	-0.08200343	1021.07019	-2.10701903		
9A	9.0076807	0.045038404	0.414701675	0.045023208	0.40502105	-2.39015343	1020.880837	-2.088083657		
11A	11.0009907	0.022001981	0.504446886	0.04603285	0.505873325	0.281975472	1024.977212	-2.497721217		
13A	13.002749	0.026005498	0.596593526	0.04678921	0.607854716	1.852612095	1024.364456	-2.436445648		
15A	15.00250785	0.030005016	0.690160662	0.046109922	0.691230842	0.15482231	1021.672065	-2.167206532		
18A	18.0003868	0.036000774	0.828392628	0.046007945	0.827627175	-0.09248768	1021.276809	-2.127680885		
21A	21.002975	0.04200595	0.966535541	0.046192299	0.969642076	0.320379591	1021.317668	-2.131766823		
24A	24.0042787	0.048008557	1.10517266	0.046040653	1.104639028	-0.048308312	1020.83696	-2.083696035		

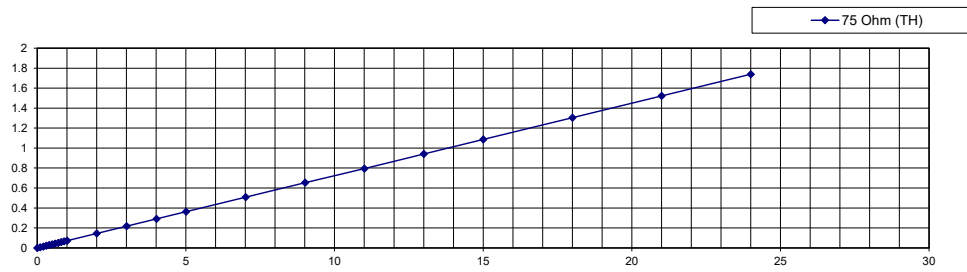
CURRENT TRANSFORMER CHARACTERISTICS TEST

PRODUCT:	CR8410-1000
Lot #:	30491
TURNS/RATIO:	1000
DATE:	May 22, 2020
TESTER:	LB

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	20
Burden (Ohms):	75
MEASUREMENT CT TURNS RATIO:	1000
FREQUENCY(Hz):	60

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error		Equivalent Turns Ratio	% Absolute Error	
						Affected by Core and DCR			Affected by turns ratio	
0A	0.000512569	0.000512569	3.17884E-05	0.070806326	-0.000476276		106.6743693		-20.93298922	
0.1A	0.100471263	0.100471263	0.007109496	0.072081928	0.006729594		-5.645254527	1059.89854	-5.989853968	
0.2A	0.200713117	0.200713117	0.014335122	0.072310804	0.014001158		-2.385262263	1050.111981	-5.011198056	
0.3A	0.300768871	0.300768871	0.021570234	0.07238296	0.021257972		-1.468917219	1045.777478	-4.577747774	
0.4A	0.400752707	0.400752707	0.02880736	0.072276554	0.028452456		-1.247360174	1043.36019	-4.336019016	
0.5A	0.500470234	0.500470234	0.0360146	0.072429261	0.03573612		-0.779265856	1042.223653	-4.222365282	
0.6A	0.600346819	0.600346819	0.043248587	0.072579393	0.043060239		-0.437405844	1041.097866	-4.1097866	
0.7A	0.700764318	0.700764318	0.050536828	0.072458621	0.050263848		-0.543094677	1039.980664	-3.998066428	
0.8A	0.800400416	0.800400416	0.057756322	0.072469238	0.057491839		-0.460035308	1039.367275	-3.936727467	
0.9A	0.900603861	0.900603861	0.06501799	0.072357303	0.064652698		-0.565005966	1038.870782	-3.887078168	
1A	1.0029897	1.0029897	0.072426353	0.072602507	0.072306998		-0.165066547	1038.630618	-3.863061849	
2A	2.0013187	2.0013187	0.144907541	0.072629724	0.144842655		-0.04479742	1035.825337	-3.582533707	
3A	3.00156333	3.00156333	0.217555032	0.072729451	0.217789485		0.10765127	1034.760022	-3.476002224	
4A	4.00849569	0.040084957	0.29078867	0.07239349	0.289676422		-0.383962042	1033.868262	-3.386826161	
5A	5.00657479	0.050065748	0.363043099	0.072450187	0.362214713		-0.228700339	1034.293477	-3.429347723	
7A	7.00689028	0.035034451	0.507966331	0.072553462	0.507861577		-0.020626544	1034.5504	-3.455040015	
9A	9.0066691	0.045033346	0.653057207	0.07071066	0.636354946		-2.624676854	1034.366018	-3.436601765	
11A	11.0038877	0.022007775	0.794281852	0.073095296	0.80381986		1.186585258	1039.041211	-3.904121115	
13A	13.0054814	0.026010963	0.940588936	0.072982819	0.948664122		0.851216497	1037.021666	-3.702166554	
15A	15.0020748	0.03000415	1.08630595	0.072586224	1.088431399		0.195276322	1035.763092	-3.576309234	
18A	18.0022066	0.036004413	1.30407419	0.072599557	1.306439649		0.181061464	1035.344082	-3.534408192	
21A	21.0000632	0.042000126	1.52171725	0.072561892	1.523291748		0.103361584	1035.017997	-3.501799694	
24A	24.00057165	0.048001143	1.73943982	0.072474933	1.738927251		-0.029476148	1034.840558	-3.484055789	

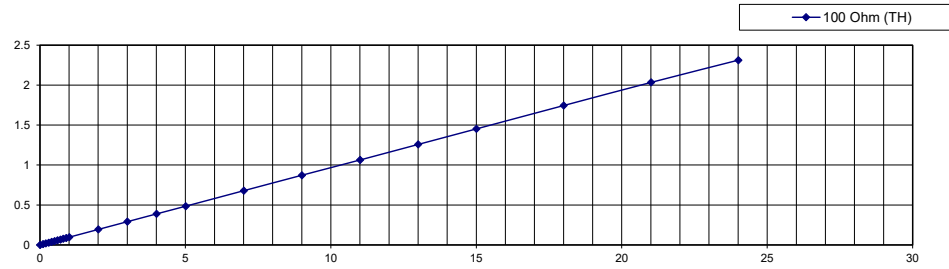
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8410-1000
Lot #:	30491
TURNS/RATIO:	1000
DATE:	May 22, 2020
TESTER:	LB

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	20
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		Equivalent Turns Ratio	% Absolute Error	
						Affected by Core and DCR	Affected by turns ratio			
0A	0.000522584	0.000522584	3.6146E-05	0.094309106	-0.0004733	107.6370159	1445.760323		-44.57603232	
0.1A	0.100232359	0.100232359	0.009439686	0.096308479	0.009130642	-3.384688194	1061.818813		-6.181881333	
0.2A	0.200323975	0.200323975	0.019079357	0.09665723	0.018840176	-1.269523829	1049.951395		-4.995139511	
0.3A	0.300565719	0.300565719	0.028768446	0.096554746	0.028498463	-0.947362191	1044.77564		-4.477564018	
0.4A	0.40053838	0.40053838	0.038421281	0.09674222	0.038226388	-0.509839711	1042.490952		-4.24909516	
0.5A	0.500459727	0.500459727	0.048087894	0.096790143	0.047916984	-0.35667897	1040.718743		-4.071874297	
0.6A	0.600669786	0.600669786	0.05778724	0.09688549	0.057673602	-0.197035983	1039.450553		-3.945055344	
0.7A	0.70046043	0.70046043	0.067455505	0.096915793	0.067363094	-0.137183943	1038.40365		-3.84036497	
0.8A	0.80029154	0.80029154	0.077130717	0.096910031	0.077033694	-0.125948261	1037.578251		-3.757825063	
0.9A	0.900205556	0.900205556	0.086813387	0.097003019	0.086800073	-0.015338756	1036.943249		-3.694324932	
1A	1.00355861	1.00355861	0.096838945	0.097069016	0.096891863	0.054615357	1036.317162		-3.631716237	
2A	2.00185294	2.00185294	0.193742394	0.097092871	0.193843065	0.051934392	1033.254983		-3.32549829	
3A	3.00188321	3.00188321	0.290838204	0.097090801	0.29093266	0.032466769	1032.148861		-3.214886102	
4A	4.00304769	0.040030477	0.388042065	0.096193955	0.384546406	-0.909034435	1031.601481		-3.160148114	
5A	5.00685666	0.050068567	0.48460242	0.097211536	0.48620164	0.32892124	1033.188538		-3.318853835	
7A	7.00320742	0.035016037	0.678670743	0.096807482	0.677440295	-0.181631929	1031.900593		-3.190059277	
9A	9.00248568	0.045012428	0.872215838	0.095599652	0.860111917	-1.40724952	1032.139671		-3.213967091	
11A	11.0043116	0.022008623	1.0635897	0.097332055	1.070549681	0.65013149	1034.63879		-3.463878975	
13A	13.0004249	0.02600085	1.25787551	0.097123773	1.262127733	0.33690912	1033.522379		-3.352237933	
15A	15.0012232	0.030002446	1.45220059	0.097423268	1.460945597	0.598585371	1032.999388		-3.29993875	
18A	18.00235545	0.036004711	1.7445807	0.096369317	1.734352121	-0.589763676	1031.901559		-3.19015595	
21A	21.0064007	0.042012801	2.03407849	0.092886992	1.950698786	-4.274350533	1032.723211		-3.272321119	
24A	24.00400375	0.048008008	2.31251682	0.096338796	2.311994236	-0.022603172	1038.003423		-3.800342304	

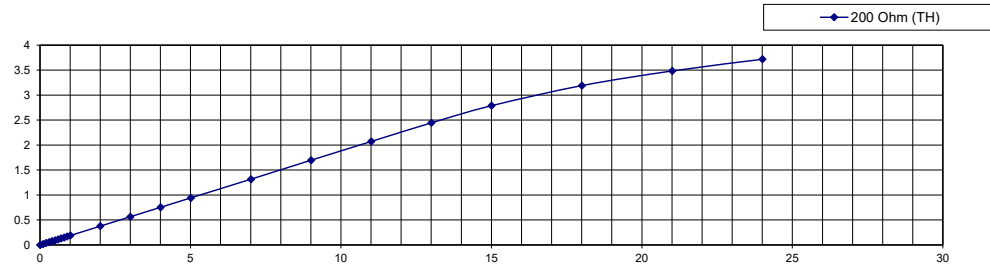
CURRENT TRANSFORMER CHARACTERISTICS TEST

PRODUCT:	CR8410-1000
Lot #:	30491
TURNS/RATIO:	1000
DATE:	May 22, 2020
TESTER:	LB

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	20
Burden (Ohms):	200
MEASUREMENT CT TURNS RATIO:	1000
FREQUENCY(Hz):	60

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error		Equivalent Turns Ratio	% Absolute Error	
						Affected by Core and DCR	Affected by turns ratio			
0A	0.000526651	0.000526651	6.35721E-05	0.180473526	-0.000431604	114.7292499	1656.862147	-65.68621467		
0.1A	0.100242221	0.100242221	0.018059593	0.186216705	0.018140125	0.443947643	1110.127158	-11.01271576		
0.2A	0.200587197	0.200587197	0.036745503	0.187327327	0.037048813	0.818674585	1091.764589	-9.176458853		
0.3A	0.30057746	0.30057746	0.055476412	0.187297682	0.055770811	0.527871931	1083.622565	-8.362256542		
0.4A	0.400523262	0.400523262	0.074196029	0.18756043	0.074595664	0.535735342	1079.635304	-7.963530356		
0.5A	0.500320812	0.500320812	0.092914101	0.188097679	0.093582533	0.714270248	1076.953464	-7.695346413		
0.6A	0.600855952	0.600855952	0.111824527	0.188010736	0.112440719	0.548015104	1074.640722	-7.464072171		
0.7A	0.700564444	0.700564444	0.130570794	0.187925678	0.131127397	0.424475067	1073.079856	-7.307985582		
0.8A	0.800371603	0.800371603	0.149327122	0.188499385	0.150342904	0.675643587	1071.970841	-7.197084131		
0.9A	0.900835501	0.900835501	0.168264505	0.188566418	0.169340672	0.635504354	1070.73741	-7.073740953		
1A	1.00834282	1.00834282	0.188536775	0.188801017	0.1898495	0.691455343	1069.651075	-6.96510747		
2A	2.00219498	2.00219498	0.376177074	0.188729913	0.377347434	0.310154491	1064.496014	-6.449601445		
3A	3.00092793	3.00092793	0.564667857	0.187483546	0.562097959	-0.457197517	1062.900214	-6.290021392		
4A	4.00401124	0.040040112	0.752729473	0.18846195	0.754077115	0.178714055	1063.864611	-6.386461102		
5A	5.00775987	0.050077599	0.941897897	0.187100337	0.936426908	-0.58424093	1063.33391	-6.333391038		
7A	7.00600236	0.035030012	1.31576974	0.190309889	1.332784878	1.276660481	1064.92833	-6.492833009		
9A	9.00469414	0.045023471	1.69614055	0.187672497	1.689406787	-0.398587429	1061.786317	-6.178631718		
11A	11.0019269	0.022003854	2.07096621	0.186740928	2.053983384	-0.826823899	1062.492169	-6.249216881		
13A	13.0057066	0.026011413	2.44515389	0.171696189	2.232503609	-9.525193174	1063.794525	-6.379452461		
15A	15.0012188	0.030002438	2.78777573	0.13418176	2.012363293	-38.53242803	1076.214176	-7.621417595		
18A	18.0034694	0.036006939	3.190623	0.097715333	1.75868836	-81.42060147	1128.523765	-12.85237648		
21A	21.00492015	0.04200984	3.48391076	0.078065584	1.639234701	-112.5327604	1205.824236	-20.58242359		
24A	24.0042735	0.048008547	3.71805703	0.154891463	3.717530379	-0.014166686	1291.226751	-29.12267513		

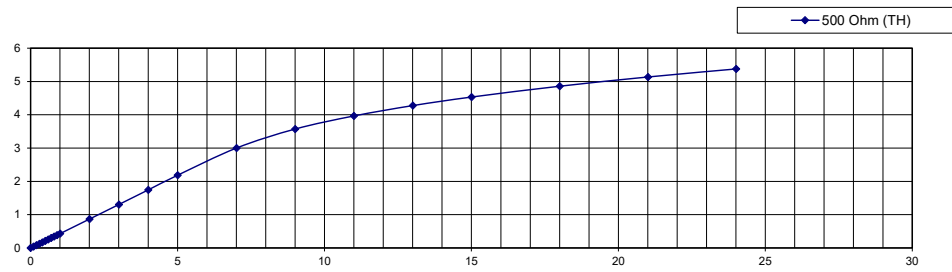
CURRENT TRANSFORMER CHARACTERISTICS TEST

PRODUCT:	CR8410-1000
Lot #:	30491
TURNS/RATIO:	1000
DATE:	May 22, 2020
TESTER:	LB

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	20
Burden (Ohms):	500
MEASUREMENT CT TURNS RATIO:	1000
FREQUENCY(Hz):	60

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE



Input Current R	Primary Current	MEASURED CURRENT	Secondary Voltage	Slope	Normalized Output	% Linear Error		Equivalent Turns Ratio	% Absolute Error	
						Affected by Core and DCR	Affected by turns ratio			
0A	0.000542785	0.000542785	0.000141135	0.3971825	-0.0003272	143.1341434	1922.927783	-92.29277832		
0.1A	0.100186891	0.100186891	0.03971803	0.422599007	0.041796096	4.971913734	1261.226834	-26.12268345		
0.2A	0.200600792	0.200600792	0.082152845	0.427110338	0.085135888	3.503860114	1220.899847	-22.08998468		
0.3A	0.300441969	0.300441969	0.124796044	0.429950208	0.128632302	2.982344465	1203.731943	-20.37319428		
0.4A	0.400109224	0.400109224	0.167648001	0.432578097	0.172535702	2.832863582	1193.301506	-19.33015056		
0.5A	0.500583828	0.500583828	0.211111114	0.43421002	0.216815729	2.631089241	1185.593261	-18.55932606		
0.6A	0.600617853	0.600617853	0.25454689	0.434661427	0.260522628	2.293750253	1179.778415	-17.97784153		
0.7A	0.700414875	0.700414875	0.297924806	0.434446745	0.303750178	1.917816848	1175.489353	-17.54893532		
0.8A	0.800614751	0.800614751	0.341456316	0.435252745	0.347926983	1.859777404	1172.353114	-17.23531144		
0.9A	0.900228503	0.900228503	0.384813475	0.435969038	0.391928969	1.815506097	1169.69462	-16.96946202		
1A	1.00478638	1.00478638	0.430397472	0.436732461	0.438280044	1.798524102	1167.277279	-16.7277279		
2A	2.00159761	2.00159761	0.865737294	0.437935541	0.876027947	1.174694603	1156.0075	-15.60075001		
3A	3.00056932	3.00056932	1.30322251	0.438980643	1.316649066	1.01975203	1151.211438	-15.12114382		
4A	4.00394994	0.040039499	1.74368718	0.440874359	1.764696078	1.190510851	1148.127367	-14.81273665		
5A	5.0042618	0.050042618	2.18469903	0.407623655	2.039312701	-7.129182745	1145.297758	-14.52977576		
7A	7.00632564	0.035031628	3.00078761	0.285957042	2.002965374	-49.81724842	1167.414451	-16.74144509		
9A	9.00179162	0.045008958	3.57140516	0.196700648	1.770115462	-101.7611414	1260.259088	-26.02590881		
11A	11.0021803	0.022004361	3.96488291	0.155242342	1.707461452	-132.2092195	1387.453369	-38.74533687		
13A	13.0056303	0.026011261	4.27590318	0.128372193	1.669018501	-156.1926772	1520.80505	-52.08050501		
15A	15.00625375	0.030012508	4.5327276	0.108410944	1.626299347	-178.7142236	1655.322697	-65.53226969		
18A	18.00049085	0.036000982	4.85733567	0.092355271	1.66189742	-192.2765035	1852.91815	-85.29181503		
21A	21.0049275	0.042009855	5.13481123	0.080603429	1.692526393	-203.381457	2045.345638	-104.5345638		
24A	24.0031141	0.048006228	5.37647535	0.223990743	5.375932565	-0.010096567	2232.235111	-123.2235111		

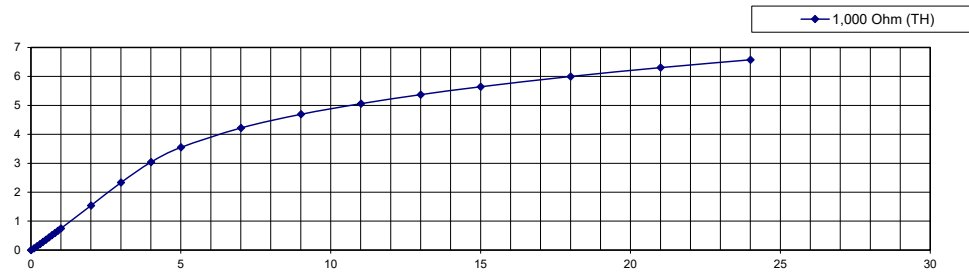
CURRENT TRANSFORMER CHARACTERISTICS TEST

CT PRIMARY CURRENT VERSUS SECONDARY VOLTAGE

PRODUCT:	CR8410-1000
Lot #:	30491
TURNS/RATIO:	1000
DATE:	May 22, 2020
TESTER:	LB

TEST SETUP

FULL SCALE PRIMARY CURRENT(Amps):	20
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	0.000510722	0.000510722	0.000238062	0.619800296	-0.000194177	222.60099	2145.330702	-114.5330702
0.1A	0.100453944	0.100453944	0.062182901	0.707319883	0.070542349	11.85025582	1615.459283	-61.54592827
0.2A	0.200597363	0.200597363	0.133016332	0.743979842	0.148729672	10.56503374	1508.065664	-50.80656637
0.3A	0.300666749	0.300666749	0.207465938	0.756954938	0.227080458	8.637696175	1449.234279	-44.92342786
0.4A	0.400761381	0.400761381	0.283233064	0.768996853	0.307673518	7.943632767	1414.952673	-41.4952673
0.5A	0.500593047	0.500593047	0.360003301	0.768775796	0.384333096	6.330392825	1390.523491	-39.05234913
0.6A	0.600695794	0.600695794	0.43695987	0.769712974	0.461852624	5.389761252	1374.716159	-37.47161587
0.7A	0.700430592	0.700430592	0.513727038	0.776130828	0.543115053	5.411010966	1363.429487	-36.34294872
0.8A	0.800666546	0.800666546	0.591523252	0.782485694	0.625999396	5.5073765	1353.567325	-35.35673252
0.9A	0.900544087	0.900544087	0.669675999	0.778524736	0.700585125	4.411901523	1344.745949	-34.47459493
1A	1.00134496	1.00134496	0.748151972	0.788797516	0.789347694	5.218957698	1338.424541	-33.84245414
2A	2.00094519	2.00094519	1.53663415	0.793748406	1.587736332	3.218555969	1302.161084	-30.21610837
3A	3.00392362	3.00392362	2.33274668	0.703633005	2.11314908	-10.39195967	1287.719599	-28.77195993
4A	4.00709521	0.040070952	3.03861132	0.510572556	2.04540212	-48.5581388	1318.725822	-31.87258218
5A	5.00365369	0.050036537	3.54742673	0.33536908	1.677560014	-111.4634767	1410.502336	-41.05023362
7A	7.00549372	0.035027469	4.21878198	0.235879935	1.651944678	-155.3827642	1660.548887	-66.05488867
9A	9.0060064	0.045030032	4.69066278	0.183532148	1.652380973	-183.8729601	1919.9859	-91.99859002
11A	11.0072716	0.022014543	5.05795928	0.156596387	1.723188238	-193.5233172	2176.227801	-117.6227801
13A	13.00150995	0.02600302	5.3702498	0.135942649	1.766948985	-203.9278352	2421.025173	-142.1025173
15A	15.0018771	0.030003754	5.64218501	0.118452717	1.776502374	-217.6007582	2658.877203	-165.8877203
18A	18.008442	0.036001688	5.99742081	0.102017428	1.835889108	-226.6766377	3001.43091	-200.143091
21A	21.0051147	0.042010229	6.30390876	0.090211741	1.894397253	-232.7659364	3332.077842	-233.2077842
24A	24.0008488	0.048001698	6.57415915	0.273913611	6.573648428	-0.007769239	3650.786093	-265.0786093