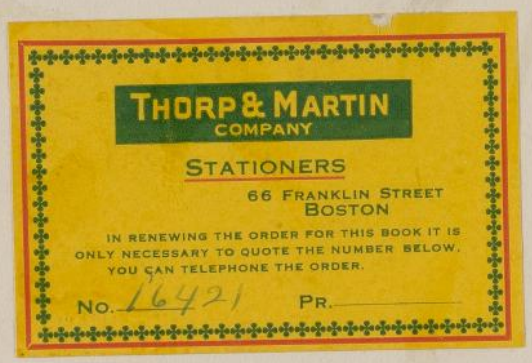
1932phae.proj.1286M

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1932phae.proj.128M

Cont. from Bk 84. p 218

Zgb-R H 3766- May 9, 1932.

Strip	Star	y	x	Diff	Diff	Cl	Dk	Volts
	0	2083	913	582	—	1043	552	515
	1	1927	973	728	—	1062	543	
	2	—	—	768	—	1110	543	
	3	—	—	852	—	1092	552	
	4	—	—	853	—	1079	552	
	5	—	—	873	—	1104	553	
	6	—	—	920	—	1112	557	
	7	—	—	927	—	1091	558	
	8	—	—	1007	—	1091	554	
19.0	x52	1910	527	1008	1007	1078	552	
	x53	1899	794	1032	1038	1092	553	
?	v54	1960	1154	1007	1003	1108	553	
	v55	1901	1224	972	961	1107	554	
	v56	1901	1297	1028	1018	1118	553	
	v57	1906	1309	1023	1022	1116	542	
19.2	v58	1930	378	893	884	1067	553	
	v59	1916	699	908	903	1083	561	
	v60	1930	641	996	1001	1082	559	
	v61	1916	828	998	995	1084	553	
	v62	1930	958	841	847	1089	558	
	v63	1930	1129	978	973	1103	561	
	v64	1930	1203	803	811	1093	562	
	v65	1929	1272	988	993	1110	561	
19.4	v66	1940	1339	1026	1017	1108	563	
19.6	x67	1909	200	980	983	1064	568	
	v68	1970	262	969	978	1081	563	
	v69	1973	717	1012	1001	1077	569	
	v70	1960	730	926	923	1082	566	
	v71	1970	864	762	757	1083	563	
	v72	1974	1188	982	986	1121	563	

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1932phae.proj.1900M

Cl.-Dk	Dgc-Dk	Red. Dgc	Magn.	Remarks
511	50	98	—	
519	185	357	—	
567	225	398	—	
540	300	557	—	
527	301	570	—	
551	320	581	—	
555	363	652	—	
533	369	689	—	
537	453	839	—	
526	452	860	851	
542	485	894	off curve	
555	452	813	813	
553	412	741	756	
565	470	830	827	
574	481	835	831	
514	335	650	688	
522	345	661	697	
523	439	840	834	
531	443	831	829	
531	286	537	598	
542	415	763	775	
531	245	461	543	
549	429	780	790	
545	457	840	834	
496	414	835	831	
518	411	792	800	
508	437	861	off curve	
516	358	698	725	
520	193	371	482	
558	421	763	718	

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1932phae.proj.128M

HP-RA 3766 – May 9, 1932

Trip	Star	Y	X	Defl	Defl	Circle	Volts	
	73	1966	328	947	960	1122	561	
19.8	74	1989	392	916	937	1063	562	
	75	1992	576	992	994	1079	562	
	76	1984	615	947	939	1093	562	
	77	1989	770	984	1064	1088	563	
	78	1990	869	1023	1023	1082	559	
	79	1988	1137	971	908	1103	567	
20.0	80	2009	223	968	970	1067	556	
	P.S.R.							
	81	2019	1228	837	857	1126	567	5.19
20.2	82	2026	1195	1060	1073	1153	574	
	83	2029	293	1022	1027	1122	579	
20.4	84	2055	510	990	992	1106	574	
	85	2055	610	1035	1048	1130	578	
	86	2053	961	978	978	1154	578	
	87	2056	1098	969	952	1166	573	
	88	2050	1228	1050	1052	1164	555	
20.6	89	2067	240	1026	1033	1109	570	
	90	2073	519	883	875	1120	564	
20.8	91	2082	377	1039	1060	1098	552	
	92	2082	668	1054	1050	1120	555	
	93	2090	1203	1068	1090	1173	560	
	94	2091	431	1029	1032	1148	572	
21.0	95	2111	257	1055	1065	1170	558	
	96	2108	570	1067	1047	1160	563	
	97	2100	1061	1078	1095	1192	573	
	98	2118	1282	1095	1103	1214	582	
21.2	99	2125	310	1000	1018	1177	570	
	100	2121	1045	1000	994	1202	561	
	101	2138	1103	1048	1049	1184	559	
	15	2083	912	602	—	1180	570	5.17

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1932phae.proj.1200M

Cl - Dk.	Diff. - Dk.	Red Diff.	Magn.	Remarks
561	393	700	728	
501	364	725	746	
517	431	830	826	
531	381	716	740	
525	431	820	820	
523	469	898	off curve	
536	387	726	745	
511	413	809	810	(outside circle)
559	280	502	570	
579	492	851	842	
543	445	819	819	
532	417	782	792	
552	464	840	834	
576	400	696	722	
593	387	652	690	
609	496	815	816	
534	460	859	850	
556	315	568	620	
546	498	910	off curve	
565	497	881	off curve	
613	519	847	839	
576	458	797	800	
612	502	820	820	
597	484	818	818	
619	513	830	828	
632	517	819	819	
602	439	729	748	
641	436	680	712	
625	489	780	790	
610	32	52		

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1932phae.proj.128M

P. S. R. R. H. 3766 – May 10, 1932

Strip	Star	y	x	Left.	Left.	Cl	Lk	Volts
	1	1726	973	747	—	1145	566	5.17
	2	—	—	803	—	1203	571	
	3	—	—	887	—	1188	569	
	4	—	—	914	—	1141	547	
	5	—	—	920	—	1172	557	
	6	—	—	984	—	1184	563	
	7	—	—	978	—	1167	572	
	8	—	—	1083	—	1184	566	5.16
XP	1A	2083	912	650	—	1178	572	505
	1	1726	973	803	—	1163	570	
	2	—	—	858	—	1197	572	
	3	—	—	903	—	1170	561	
	4	—	—	928	—	1163	562	
	5	—	—	962	—	1178	563	
	6	—	—	1003	—	1189	563	
	7	—	—	1008	—	1168	563	
	8	—	—	1089	—	1171	563	
21.4	102	2101	290	1080	1090	1172	567	
	103	2144	436	1127	1113	1176	563	
	104	2146	438	1047	1060	1182	568	
	105	2157	443	963	968	1188	564	
	106	2150	563	1048	1046	1172	582	
	107	2179	974	1064	1060	1208	573	
	108	2139	1091	1105	1117	1217	570	
	109	2146	1269	1037	1030	1250	592	
21.6	110	2172	816	922	920	1199	597	
	111	2164	892	1066	1068	1213	583	
	112	2177	1263	1023	1023	1246	598	
21.8	113	2180	462	1117	1118	1203	582	
	114	2189	693	1117	1118	1191	573	

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1932phae.proj.1200M

Cl.-Dk.	Deff-Dk.	Red. Deff.	Magn.	Remarks
579	181	313	—	
632	232	367	—	
619	318	516	—	
594	367	619	—	
615	363	588	—	
621	421	678	—	
595	406	683	—	
618	517	837	—	
606	78	100	—	
583	233	400	—	
625	286	460	—	
609	392	643	—	
591	366	619	—	
615	399	651	—	
626	440	703	—	
595	445	748	—	
608	526	867	—	
605	518	860	841 ✓	
613	557	914	off curve ✓	
614	486	792	782 ✓	
624	402	641	650 ✓	
590	465	788	779 ✓	
635	489	769	760 ✓	
647	541	833	820 ✓	
658	442	670	677 ✓	
602	324	537	570 ✓	
630	484	770	762 ✓	
648	425	657	663 ✓	
621	536	867	845	
618	545	885	off curve ✓	

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1932phae.proj.128M

Zyp - RA 3766 - May 10, 1932.

Strip	Star	y	x	Δyf	Δyg	Cc	Dk	Volts
	115	2180	769	1000	1012	1198	572	
	116	2190	999	988	988	1208	573	
22.0	117	2207	347	919	921	1181	577	
	118	2209	363	1078	1077	1163	581	
	119	2212	608	980	887	1187	588	
	120	2206	760	1093	1094	1201	592	
	121	2204	791	1120	1128	1192	593	
	122	2200	1254	1170	1178	1231	584	
22.2	123	2200	305	1087	1088	1182	583	
	124	2228	361	1105	1110	1182	583	
	125	2220	747	1096	1093	1193	591	
	126	2220	766	1026	1023	1207	593	
22.4	127	2200	243	988	1057	1181	583	
	128	2247	263	1103	1107	1163	591	
	129	2238	805	1139	1128	1207	579	
	130	2251	838	1011	1011	1210	603	
	131	2241	1049	1132	1134	1262	602	
	132	2247	1116	1013	1023	1238	597	
22.6	133	2271	360	1022	1017	1203	594	
	134	2271	1093	1104	1110	1242	593	
	135	2260	1315	1100	1094	1242	582	
22.8	136	2290	287	1133	1113	1202	590	
	137	2290	363	1087	1086	1192	588	
	138	2287	438	1080	1004	1199	593	
	139	2279	768	1140	1146	1207	604	
23.0	140	2302	1070	937	942	1246	603	
	141	2303	1292	1132	1122	1273	603	
23.2	142	2328	428	1127	1113	1232	593	
	143	2323	1018	933	942	1232	593	
	144	2338	1165	1150	1142	1236	592	

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1932phae.proj.12MM

Cl.-Dk.	Defl.-Dk.	Red. Defl.	Magn.	Remarks
626	434	694	698 ✓	
635	415	653	662 ✓	
604	340	559	585 ✓	
582	497	851	832 ✓	
604	311	512	556 ✓	
609	502	829	811 ✓	
599	531	886	off curve ✓	
647	590	911	off curve ✓	
599	505	847	828 ✓	
599	525	879	off curve ✓	
602	503	832	820 ✓	
614	431	~~700~~	703 ✓	
598	440	734	735 ✓	
572	514	908	off curve ✓	
628	555	882	off curve ✓	
607	408	672	680 ✓	
660	531	803	792 ✓	
641	411	640	650 ✓	
609	436	715	719 ✓	
649	514	793	782 ✓	
660	515	780	772 ✓	
613	533	862	842 ✓	
604	498	822	810 ✓	
606	409	677	680 ✓	
603	539	890	off curve ✓	
643	337	522	562 ✓	
670	524	783	774 ✓	
639	527	828	810 ✓	
639	345	540	573 ✓	
644	554	859	840 ✓	

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Agp-RH 3766 May 10, 1932

Strip	Star	y	x	dyf	dyf	cl	dk	Volts	
23.4	145	2640	832	962	927	1212	592		
	146	2340	850	1123	1136	1207	573		
	147	2050	1020	1093	1102	1218	580		
	148	2350	1022	1049	1066	1228	591		
	149	2048	1057	1012	1012	1227	579		
	150	2354	1163	1190	1142	1241	588		
	151	2338	1165	1142	1142	1238	579		
23.6	10	2083	912	639	—	1135	583		
	1	1726	973	799	—	1162	583		
	2	—	—	858	—	1203	582		
	3	—	—	914	—	1182	581		
	4	—	—	938	—	1180	588		
	5	—	—	969	—	1197	588		
	6	—	—	1022	—	1203	582		
	7	—	—	1010	—	1171	572	605	
	8	—	—	1082	—	1182	573		

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1932phae.proj.1210M

Q.-Dk.	Dfl.-Dk	Red. Defl	Magn.	Remarks
620	358	578	600 ✓	
634	557	879	off curve ✓	
638	518	810	800 ✓	
637	467	732	731 ✓	
648	433	668	671 ✓	
658	553	840	822 ✓	
659	563	858	838 ✓	
552	56	76	—	
579	196	338	—	
621	276	446	—	
601	333	553	—	
592	350	591	—	
609	381	626	—	
621	440	708	—	
599	438	730	—	
609	509	837		

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1932phae.proj.12@M

P. S. R. - R. A. 3766 - May 11, 1932

Trip	Star	y	x	Defl.	Defl.	C.	Mk	Volts
	15	2082	929	610	—	1093	537	5.37
	1	1725	990	758	—	1089	543	
	2	—	—	779	—	1149	540	
	3	—	—	876	—	1138	548	
	4	—	—	907	—	1095	547	
	5	—	—	944	—	1126	552	
	6	—	—	962	—	1114	554	
	7	—	—	959	—	1107	546	
	8	—	—	1035	—	1127	542	
23.6	152	2357	491	1034	1054	1148	554	
	153	2365	396	1000	1012	1126	540	
	154	2369	670	1037	1033	1152	538	
	155	2366	1133	1060	1058	1158	542	
	156	2357	1164	1050	1058	1151	539	
	157	2357	1170	1011	1015	1140	530	
	158	2360	1210	1025	1032	1145	526	
	159	2375	1100	1052	1052	1102	512	
	160	2379	921	806	788	1112	523	
23.8	161	2382	385	921	917	1092	512	
	162	2399	1231	956	980	1152	520	
	163	2399	949	982	972	1136	509	
	164	2398	577	1023	1027	1092	529	
24.0	165	2408	535	1024	1027	1112	528	
	166	2401	545	958	950	1090	526	
	167	2401	929	923	917	1116	539	
	168	2401	1160	839	854	1130	508	
	169	2409	1744	1009	1011	1144	521	
	170	2414	810	900	886	1109	523	
	171	2415	877	980	982	1118	526	
	172	2412	1005	1036	1032	1130	523	5.35

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1932phae.proj.12MM

Cl.-Dk.	Defl.-Dk.	Red. Defl.	Magn.	Remarks
559	76	136	—	
546	215	395	—	
609	239	393	—	
590	328	557	—	
548	360	658	—	
574	392	672	—	
560	408	730	—	
561	413	738	—	
585	493	841	—	
594	496	822	820	
586	466	793	797	
614	497	809	809	
616	517	838	829	
612	518	843	833	
610	483	792	799	
620	503	819	815	
590	540	914	off curve	
589	294	500	579	
580	407	700	729	
632	448	709	737	
627	468	747	762	
563	496	880	off curve	
584	498	850	838	
564	428	757	770	
577	381	660	700	
622	338	540	609	
628	479	784	791	
~~586~~ 566	~~370~~ 332	~~642~~ 566	~~684~~ 629	
592	~~455~~	770	780	
607	511	852	841	

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1932phae.proj.12mM

P.S.R. — R.A. 3766 — May 11, 1932

Plate	Star	y	x	Lap.	Lap.	Cl.	Dif.	Note
24.0 (cont.)	173	2418	1019	927	941	1137	524	5, 35
24.2	174	2425	622	1019	1024	1093	519	
	175	2430	1065	988	978	1183	513	
24.4	176	2459	541	1033	1030	1123	538	
24.6	177	2470	1085	970	948	1117	523	
	178	2475	923	808	798	1132	547	
24.8	179	2486	755	932	941	1110	522	
	180	2487	1200	1043	1035	1153	518	
	181	2490	819	994	1020	1112	522	
	182	2490	1030	1030	1046	1138	512	
25.2	183	2522	878	973	982	1118	532	
	184	2529	937	865	876	1150	524	
	185	2525	1043	1098	1067	1158	517	
	186	2534	1018	934	948	1159	575	
	187	2533	1125	1056	1087	1177	522	
25.4	188	2547	819	1042	1060	1160	516	
	189	2556	933	802	807	1167	526	
25.6	190	2567	633	1052	1041	1117	518	
	191	2560	652	1023	1010	1133	508	
	192	2569	684	1034	1036	1147	512	
	193	2562	718	1000	1003	1139	516	
	194	2561	851	1048	1058	1158	522	
	195	2577	761	970	964	1155	516	
	196	2579	1017	1063	1072	1192	526	
25.8	197	2598	929	1105	1115	1199	533	
	198	2594	1018	1041	1047	1209	540	
26.0	199	2618	950	1130	1137	1212	536	
	15	2083	930	588	—	1168	537	
	1	1725	990	748	—	1158	541	
	2	—	—	814	—	1217	528	
	3	—	—	843	—	1210	541	
	4	—	—	888	—	1166	550	
	5	—	—	915	—	1209	544	
	6	—	—	978	—	1190	537	
	7	—	—	997	—	1193	564	

Plates Measured

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1932phae.proj.1210M

Cl.-Dk.	Defl.-Dk.	Red. Defl.	Magn.	Remarks
613	410	669	705	
574	503	872	off curve	
620	476	758	770	
585	494	84		
594	446	75		
585	256	43		
588	414	70		
635	521	82		
590	485	81		
626	526	84		
586	456	77		
626	246	39		
641	541	84		
644	426	66		
655	550	83		
644	535	82		
641	278	43		
599	528	88		
625	508	81		
635	523	82		
623	486	78		
636	531	83		
639	451	70		
666	542	81		
666	577	86		
669	544	816		
676	598	887		
631	51	81		
617	207	338		
689	286	416		
669	302	450		
616	338	550		
665	371	556		
653	478	672		
629	433	688		

3766 5 (654, 677)

3766 54 (off curve
57

3766 68 (off curve)

3766 170 (off curve

3765 194 (590, 661, 872)

3765 205 (831, off curve, off curve)

3765 206 (795, 815, 821

3765 210 (783, 820, 830)

3765 211 (796, off curve)

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1932phae.proj.12.tif

Cl.–Dk.	Defl.–Dk.	Red. Defl.	Magn.	Remarks
613	410	669	705 ✓	
574	503	872	off curve ✓	
620	470	758	770 ✓	
585	494	840	830 ✓	
594	446	750	762 ✓	
585	256	437	528 ✓	
588	414	704	732 ✓	
635	521	820	815 ?	
590	485	815	811 ✓	
626	526	841	832 ✓	
586	456	775	783 ✓	
626	246	393	492 ✓	
641	541	845	832 ✓	
644	426	661	700 ✓	
655	550	838	828 ✓	
644	535	828	821 ✓	
641	278	433	528 ✓	
599	528	880	off curve ✓	
625	508	810	809 ✓	
635	523	821	819 ✓	
623	486	780	788 ✓	
636	531	836	827 ✓	
639	451	706	732 ✓	
666	542	813	812 ✓	
666	577	867	off curve ✓	
669	544	816	811 ✓	
676	598	887	off curve ✓	
631	51	81	—	
617	207	338	—	
689	286	416	—	
669	302	450	—	
616	338	550	—	
665	371	556	—	
653	478	672	—	
629	433	688	—	

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1932phae.proj.128M

P. S. R. – R. A. 861 – May 12, 1932

Trip	Star	y	x	Eff.	Eff.	Cl.	Lib.	Notes
	15	2094	933	1604	—	1870	562	5.25
	1	1732	881	1306	—	1874	582	
	2	—	—	1165	—	1886	578	
	3	—	—	1379	—	1882	586	
	4	—	—	1542	—	1888	582	
	5	—	—	1547	—	1855	586	
	6	—	—	1658	—	1886	585	
	7	—	—	1728	—	1928	588	
	8	—	—	1822	—	1937	595	
14.8	1 X	1494	895	1770	1782	1904	581	
15.4	2 ✓	1546	814	1782	1773	1948	602	
15.6	3 ✓	1574	660	1831	1827	1952	578	
16.2	4 ✓	1638	996	1653	1622	1925	607	
16.4	5 ✓	1656	423	1853	1858	1952	587	
	6 ✓	1658	1049	1759	1763	1901	608	
16.6	7 ✓	1677	423	1831	1819	1993	592	
16.8	8 ✓	1685	470	1779	1777	1960	578	
17.0	9 ✓	1718	1185	1340	1348	1882	582	
17.2	10 ✓	1724	761	1788	1790	1923	587	
17.4	11 ✓	1750	818	1654	1664	1947	593	
17.6	12 ✓	1768	1070	1621	1640	1895	600	
17.8	13	1780	495	1720	1706	1963	587	
	14 †	1785	1324	1736	1728	1887	570	
18.0	15 †	1802	262	1790	1778	1907	586	
	16 ✓	1806	1094	1614	1630	1910	583	
18.2	17 ✓	1826	491	1840	1842	1996	579	
18.4	18 ✓	1840	265	1796	1780	1932	576	
	19 ✓	1845	746	1692	1678	1942	582	
	20 ✓	1850	1240	1733	1723	1912	573	
18.6	21	1865	500	1680	1697	1983	581	5.24

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1932phae.proj.1200M

Cl.-Bk.	Defl.-Bk.	Red. Defl.	Magn.	Remarks
1308	442	337	—	
1292	724	561	—	
1306	587	449	—	
1296	793	613	—	
1306	960	735	—	
1269	961	760	—	
1301	1073	820	—	
1340	1140	852	—	
1342	1227	916	—	
1323	1195	900	~~off curve~~ 815 x	outside circle
1346	1176	877	~~off curve~~ 785 ✓	
1374	1251	911	~~off curve~~ 831 ✓	
1318	1031	782	682 ✓	
1365	1269	928	off curve ✓	
1293	1153	889	800	
1401	1233	872	781 ✓	
1382	1200	865	772 ✓	
1300	762	585	489 ✓	
1336	1202	908	827 ✓	
1354	1066	795	692 ✓	
1295	1032	796	695 ✓	
1376	1126	813	712	
1317	1162	884	798 x	outside circle
1321	1198	905	822 x ✓	outside circle
1327	1039	780	679 ✓	
1417	1262	893	808 ✓	
1356	1212	893	805 ✓	
1360	1103	812	710 ✓	
1379	1155	797	692 ✓	
1402	1107	788	688 ✓	

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1932phae.proj.128M

P.S.R. - R.H. 861 - May 12, 1932

Strip	Star	y	x	Hyl.	Hyl.	Cl.	Lbs	Volts
18.6 (Contd.)	22 ✓	1871	1188	1274	1276	1934	585	5.24
	23 ✓	1876	471	1815	1809	1976	578	
	24 ✓	1870	976	1720	1718	1940	587	
18.8	25 ✓	1884	567	1698	1670	1987	607	
	26 ✓	1892	1037	1748	1760	1932	582	
19.4	27 ✓	1946	845	1835	1847	1958	584	
19.6	28 ✓	1968	668	1775	1791	1997	592	
	29 ✓	1978	674	1807	1808	1966	589	
19.8	30 ✓	1986	812	1721	1724	1963	586	
	31 ✓	1997	239	1701	1703	1923	594	
	32 ✓	1992	507	1718	1720	1990	588	
	33 ✓	1992	978	1573	1582	1934	574	
20.2	34	2023	488	1783	1799	1986	578	
	15	2093	934	906	—	1947	570	
	1	1732	881	1306	—	1933	590	
	2	—	—	1182	—	1937	595	
	3	—	—	1350	—	1943	602	
	4	—	—	1521	—	1960	584	
	5	—	—	1612	—	1957	599	
	6	—	—	1723	—	1977	598	
	7	—	—	1762	—	1990	609	
	8	—	—	1871	—	1995	618	5.21
Dup-	R.H. 861 -		May 13, 1932					570
	16	2092	891	783	/	1782	553	
	1	1732	838	1098	/	1783	573	
	2	—	—	938	/	1820	592	
	3	—	/	1063	/	1799	600	
	4	—	/	1363	/	1816	599	
	5	—	/	1428	/	1812	603	
	6	—	/	1572	/	1840	608	

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1932phae.proj.12mM

Cl.-Dk.	Dgl.-Dk.	Red. Dgl.	Mag.	Remarks
1349	690	511	429	
1388	1234	887	798	
1353	1132	836	737	
1380	1071	778	670	
1350	1174	868	771	
1374	1257	928	850	
1405	1191	847	745	
1377	1219	881	792	
1377	1132	823	722	
1329	1108	835	736	
1402	1131	806	706	
1360	1004	741	639	
1408	1213	860	760	
1371	336	244	—	
1343	716	532	—	
1342	587	437	—	
1341	748	556	—	
1376	937	680	—	
1458	1013	710	—	
1379	1125	833	—	
1381	1153	831	—	
1377	1253	915	—	
1229	230	187	—	
1210	525	435	—	
1228	341	277	—	
1199	463	387	—	
1217	764	628	—	
1209	825	682	—	
1232	964	782	—	

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1932phae.proj.128M

HgP - CH 861 - May 13, 1932.

Strip	Star		y	x	Diff	Diff	Cc	Dk	Volts
	7		~~—~~	~~—~~	1618	—	1842	623	
	8	✓	—	—	1749	—	1820	620	
20.4	35	✓	2054	487	1693	1694	1853	623	
	36	✓	2040	637	1672	1669	1815	623	
	37	✓	2052	814	1461	1472	1817	641	
	38	✓	2053	1303	1507	1502	1792	641	
20.6	39	✓	2078	272	1166	1156	1787	640	
	40	✓	2079	812	1333	1300	1817	642	
	41	✓	2070	1108	1613	1611	1821	643	
	42	✓	2061	1144	1594	1558	1833	651	
20.8	43	✓	2089	592	1559	1531	1933	650	
	44	✓	2083	1053	1648	1662	1890	662	
21.0	45	✓	2107	488	1303	1357	1887	652	
	46	✓	2110	768	1692	1692	1857	663	
21.2	47	✓	2117	329	1613	1622	1863	667	
	48	✓	2130	847	1682	1684	1877	670	
21.4	49	✓	2150	412	1632	1642	1903	664	
	50	✓	2148	968	1502	1522	1890	672	
21.8	51	✓	2180	772	1697	1692	1887	672	
	52	✓	2192	982	1642	1610	1872	672	
22.2	53	✓	2221	352	1663	1663	1859	683	
	54	✓	2228	619	1742	1734	1907	673	
	55	✓	2220	1043	1693	1697	1841	678	
	56	✓	2237	1040	1456	1447	1877	672	
22.4	57	✓	2249	352	1669	1677	1872	674	
22.8	58	✓	2279	258	1522	1512	1848	668	
	59	✓	2290	391	1523	1513	1900	670	
	60	✓	2284	760	1650	1648	1893	664	
	61		2282	948	1567	1530	1902	667	
23.0	62	✓	2310	383	1308	1332	1906	670	

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1932phae.proj.1211M

Cl.-Dk.	Defl.-Dk.	Red. Defl.	Magn.	Remarks
1239	1015	820		
1200	1129	938		
1230	1071	870	788	
1192	1047	873	790	
1176	825	702	651	
1151	863	750	690	on aisle
1147	521	455	451	
1175	674	573	546	
1178	969	822	751	
1182	925	782	722	
1283	894	696	643	
1228	993	809	740	
1235	678	548	523	
1194	1029	863	782	
1186	951	803	736	
1207	1013	838	760	
1239	973	785	721	
1218	840	689	637	
1215	1022	842	765	
1200	954	793	728	
1276	980	770	707	
1234	1065	863	782	
1163	1017	870	785	
1205	780	646	600	
1198	999	834	762	
1180	849	720	663	
1230	848	690	640	
1229	985	802	738	
1235	881	716	661	
1236	650	526	515	

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1932phae.proj.128M

HD-RH861 – May 13, 1932.

Strip	Star	y	x	Defl	Defl	ce	Volts
	63	2313	410	1558	1614	1897	681
	64	2313	869	1042	1002	1900	673
	65	2313	1153	1052	1083	1872	670
23.2	66	2320	537	1693	1670	1922	667
	67	2329	802	1662	1672	1898	672
23.4	68	2352	750	1453	1443	1937	682
	69	2343	769	1000	917	1947	670
	70	2349	847	1623	1642	1937	682
	71	2355	669	1707	1720	1943	668
23.6	72	2360	1018	1622	1630	1933	677
23.8	73	2390	631	1588	1583	1943	682
	74	2378	643	1516	1528	1947	689
24.0	75	2405	1038	1362	1363	1902	674
	76	2400	1207	1582	1572	1913	687
24.2	77	2419	445	1603	1557	1937	672
	78	2430	443	1458	1482	1937	673
	79	2413	1070	1590	1581	1940	690
	~~80~~	~~2400~~	~~1208~~	~~1566~~	~~1579~~	~~1907~~	~~690~~
	80	2427	1090	1721	1742	1941	689
24.4	81	2440	673	1390	1409	1929	698
	82	2442	962	1708	1710	1933	690
24.6	83	2469	873	1473	1423	1944	699
	84	2479	916	1132	1172	1941	683
25.0	85	2503	489	1210	1203	1903	701
	86	2501	632	1589	1590	1913	702
	87	2508	854	1482	1482	1913	703
	88	2500	899	1574	1573	1903	702
25.2	89	2521	661	1573	1573	1887	702
25.4	90	2547	808	1666	1643	1893	705
25.8	91	2599	744	1683	1682	1893	705

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1932phae.proj.12mM

Cl.-Dk.	Defl.-Dk.	Red. Defl.	Magn.	Remarks
1216	975	802	737	
1227	349	284	316	
1202	858	712	660	
1255	1015	810	741	
1226	995	812	792	
1255	766	610	572	
1277	288	227	275	
1255	960	763	702	
1275	1046	823	752	
1256	946	753	694	
1261	904	718	660	
1258	833	662	613	
1228	688	559	531	
1226	890	734	677	x. on circle
1265	858	673	624	
1264	797	628	588	
1250	896	716	661	
1252	1043	882	790	
1231	702	570	542	
1243	1019	818	747	
1245	749	600	565	
1258	459	365	380	
1202	505	417	420	
1211	888	730	672	
1210	754	622	583	
1201	872	722	667	
1185	871	736	678	
1188	949	793	730	
1188	977	820	750	

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1932phae.proj.12:M

HP-RX861 – May 13, 1932.

Strip	Star	y	x	Defl	Defl	Ce	Dk	Volts
26.0	92 ✓	2601	564	1573	1512	1867	707	0705
	93 ✓	2610	797	1423	1424	1872	708	
26.2	94 ✓	2630	589	1563	1494	1868	703	
	1s	2092	891	962	—	1868	701	
Plate	1	1732	838	1215	—	1852	693	
finished	2	—	—	1047	—	1842	702	
	3	—	—	1285	—	1838	711	
	4	—	—	1428	—	1856	698	
	5	—	—	1523	—	1852	713	
	6	—	—	1619	—	1873	707	
	7	—	—	1632	—	1882	702	
	8	—	—	1770	—	1873	707	

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1932phae.proj.1200M

Cl.-Dk.	Defl.-Dk.	Red. Defl.	Magn.	Remarks.
11 60	831	718	661	
1164	716	612	580	
1160	795	686	635	
1167	261	223	—	
11 59	522	451	—	
11 40	345	303	—	
11 27	574	506	—	
1158	730	631	—	
1139	810	711	—	
1166	912	782	—	
1180	930	788	—	
1136	1063	938	—	

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1932phae.proj.128M

m. m. – RH 3482 – May 14, 1932.

Strip	Star	y	x	Deff.	Deff.	Cl	Dk	Volf
	l_5	2071	940	782	—	1842	531	5.38
	1	1708	936	1218	—	1862	536	
	2	—	—	1212	—	1860	538	
	3	—	—	1343	—	1868	546	
	4	—	—	1423	—	1864	551	
	5	—	—	1502	—	1892	564	
	6	—	—	1617	—	1918	571	
	7	—	—	1593	—	1912	568	
	8	—	—	1739	—	1901	570	
15.2	1	1525	829	1651	1640	1888	572	
15.4	2	1555	675	1687	1668	1870	575	
15.6	3	1575	771	1771	1780	1871	581	
15.8	4	1584	932	1728	1681	1872	578	
16.0	5	1615	1012	1500	1576	1868	571	
16.2	6	1636	1065	1711	1728	1882	578	
16.4	7	1658	440	1582	1582	1918	572	
16.6	8	1668	488	1522	1539	1900	582	
	9	1668	1046	1725	1719	1878	579	
16.8	10	1694	1202	1409	1391	1872	582	
17.0	11	1702	778	1622	1608	1882	579	
17.2	12	1728	835	1470	1458	1889	572	
17.4	13	1743	1085	1558	1539	1872	578	
17.6	14	1759	589	1407	1426	1879	571	
17.8	15	1781	1110	1521	1523	1861	569	
18.0	16	1806	499	1568	1536	1882	571	
18.2	17	1824	763	1382	1369	1873	577	
	18	1824	1256	1648	1627	1859	575	
18.4	19	1855	490	1531	1492	1898	578	
	20	1856	518	1274	1292	1891	572	
	21	1840	992	1570	1522	1892	581	

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1932phae.proj.12pM

Cl.-Dk.	Dfft.-Dk.	Red. Dfft.	magn.	Remarks
1311	251	192		
1326	682	513	—	
1322	674	510	—	
1322	797	601	—	
1313	882	671	—	
1328	938	707	—	
1347	1046	780	—	
1344	1025	762	—	
1331	1169	879	—	
1316	1074	818	737	
1295	1103	851	770	
1280	1195	930	838	
1294	1126	873	790	
1297	932	670	609	
1304	1142	876	789	
1336	1010	756	681	
1318	948	718	650	
1299	1143	892	801	
1290	818	633	581	
1303	1036	789	710	
1317	892	679	615	
1294	970	748	671	
1308	855	652	593	
1292	953	737	668	
1311	981	749	674	
1296	797	618	566	
1284	1063	828	742	
1320	934	708	640	
1319	711	540	505	
1311	965	738	667	

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1932phae.proj.12pm

m.m. – RH 3482 – May 14, 1932.

Strip	Star	y	y	Defl.	Defl	Cl.	Dk.	Volt.
	22 ✓	1840	1163	1681	1702	1891	582	
	23 ✓	1838	1205	1250	1259	1900	580	
18.6	24 ✓	1865	585	1292	1287	1915	590	
18.8	25 ✓	1892	518	1782	1758	1948	590	
19.0	26 ✓	1909	972	1794	1802	1934	601	
	1s	2071	940	840	—	1918	598	
	1	1708	936	1265	—	1922	598	
	2	—	—	1290	—	1901	605	
	3	—	—	1389	—	1902	598	
	4	—	—	1482	—	1908	597	
	5	—	—	1578	—	1962	598	
	6	—	—	1551	—	1918	590	
	7	—	—	1578	—	1909	595	
	8	—	—	1738	—	1899	587	5.38

P.S.R. – R.H. 3482 – May 16, 1932

	1s	2071	938	~~711~~ 947	—	~~1782~~ 1887	~~536~~ 582	5.36
	1	1709	935	~~1072~~ 1164	—	~~1806~~ 1878	~~532~~ 560	
	2	—	—	~~1151~~ 1166	—	~~1842~~ 1876	~~546~~ 570	
	3	—	—	~~1336~~ 1342	—	~~1847~~ 1866	~~552~~ 563	
	4	—	—	~~1407~~ 1426	—	1859 1872	553 567	
	5	—	—	1508	—	1882	555	
	6	—	—	1548	—	1877	553	
	7	—	—	1597	—	1883	563	
	8	—	—	1726	—	1876 1893	560 570	
19.2	27 ✓	1924	863	1637	1636	1877	569	
19.4	28 ✓	1945	685	1517	1504	1890	576	
	29 ✓	1955	435	1689	1672	1883	573	
	30 ✓	1958	692	1536	1528	1878	560	
19.6	31 ✓	1968	425	1733	1754	1918	568	
	32 ✓	1964	830	1458	1473	1906	574	5.36

The figures are doubtful because taken because of poor reading due to poor sequence.

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1932phae.proj.17000M

A.-Dk.	Defl.-Dk.	Red. Defl.	Magn.	Remarks
1309	1110	848	760	
1320	674	511	485	
1325	700	527	497	
1358	1180	870	783	
1333	1297	971	off curve	
1320	242	184		
1324	667	502		
1296	685	531		
1304	791	606		
1311	885	676		
1364	980	718		
1328	961	723		
1444	983	698		
1312	1151	877		
1325	185	138		
1318	544	413		
1306	596	455		
1303	779	598		
1305	859	653		
1327	953	723		
1324	995	761		
1320	1034	781		
1313	1171	892		
1308	1067	815	750	
1324	924	697	643	
1310	1007	763	702	
1318	972	740	682	
1350	1186	879	811	
1332	892	671	621	

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1932phae.proj.1200M

D.-S.-R. – R. H. 3782 – May 16, 1932

Strip	Star	y	x	Log1	Log1	Cl	Log2	Volts
19.6 (cont.)	33 ✓	1970	995	1868	1358	1924	567	5.36
	34 ✓	1978	257	1597	1592	1967	567	
	35	1973	525	1403	1413	2002	578	
	36 x	1975	815	1802	1809	1961	578	
19.8	37 x	1988	899	1720	1723	1964	574	
20.0	38 ✓	2004	505	1632	1629	1976	582	
	39 ✓	2015	1289	1727	1762	1973	578	
20.2	40	2020	698	1732	1722	2003	583	
	41 x ✓	2028	1363	1663	1672	1984	583	
	42 ✓	2033	546	1628	1629	2009	583	
	43 ✓	2030	875	1543	1527	2000	585	
	44 ✓	2038	1205	1661	1656	2002	588	
20.4	45 ✓	2045	1168	Too near line ~~1662~~	1698	2002	587	
	46 ✓	2056	332	1309	1320	2007	583	
	47 ✓	2055	872	1392	1373	2007	587	5.37
20.6	48 ✓	2068	453	1589	1603	2023	602	
H&P	49 ✓	2060	1114	1720	1701	2003	598	
20.8	50 ✓	2087	649	1363	1389	2032	598	
	51 ✓	2089	830	1767	1753	2013	597	
21.0	52 ✓	2099	391	1727	1727	2022	598	
	53	2110	407	1848	1852	2043	602	
	54 x	2109	763	1891	1882	2022	602	
	55 ✓	2104	899	1834	1833	2003	601	
	56	2110	988	1752	1727	2011	593	
21.2	57	~~2110~~	~~463~~	~~1890~~	~~1882~~	~~2006~~	~~592~~	
	58	~~2103~~	~~899~~	~~1832~~	~~1828~~	~~1998~~	~~583~~	
	59 ✓	2130	443	1672	1648	2021	598	
	60 ✓	2132	1030	1562	1562	2001	589	
	61 ✓	2119	1352	1822	1817	1977	592	
21.4	62 ✓	2141	1177	1892	1854	1993	597	

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1932phae.proj.1700M

Cl.-Dk.	Defl.-Dk.	Red. Defl.	Magn.	Remarks
1357	796	587	558	
1400	1024	732	676	
1424	830	582	552	
1383	1228	887	821	
1390	1148	826	760	
1384	1048	756	698	
1395	1166	840	775	
1420	1144	810	743	
1401	1085	772	711	on incl
1426	1045	732	678	
1415	953	672	623	
1414	1070	758	699	
1415	1111	787	721	
1424	731	513	506	
1420	795	561	540	
1421	994	700	648	
1405	1112	788	721	
1434	748	520	510	
1416	1163	822	758	
1424	1129	781	720	
1441	1248	865	800	
1420	1274	898	833	
1402	1233	878	812	
1418	1147	812	750	
1423	1062	749	689	
1412	1973	689	638	
1385	1228	882	759	
1396	1276	912	off curve	

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1932phae.proj.128PM

HP-RH 3482- May 16, 1932

Temp	Star	y	x	Decl	Decl	ce	dk	Notes
21.6	63	2170	675	1848	1843	2016	598	
	64	2160	833	1729	1744	2012	593	
	65	2170	1044	1699	1702	1987	593	
21.8	66	2190	1184	1878	1882	2000	600	
22.0	67	2204	415	1722	1722	2032	598	
	68	2201	481	1872	1903	2023	601	
	69	2208	582	1792	1783	2022	602	
	70	2197	1104	1762	1782	2003	603	
	71	2211	1103	1089	1089	2002	597	
	72	2212	1184	1848	1870	1992	607	
22.2	73	2229	414	1813	1812	2031	601	
22.6	74	2260	518	1654	1637	2038	601	
	75	2268	429	1782	1789	2032	603	
	76	2270	454	1603	1583	2033	593	
	77	2262	822	1708	1713	2023	603	
	78	2260	926	1872	1874	2003	611	
	79	2260	1010	1622	1608	2011	608	
22.8	80	2290	447	1377	1383	2050	603	
	81	2292	473	1608	1628	2038	607	
	82	2291	930	1130	1142	2013	607	
	83	2290	1214	1672	1662	2012	592	
23.0	84	2306	865	1768	1777	2029	608	
23.2	85	2321	352	1812	1792	2013	612	
	86	2313	721	1771	1737	2048	610	
	87	2330	811	1783	1763	2038	608	
	88	2321	831	1124	1119	2023	603	
	89	2324	909	1672	1659	2019	602	
	90	2337	1080	1602	1682	2022	603	
23.6	91	2369	603	1587	1593	2038	602	
	92	2357	905	1543	1550	2032	607	

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1932phae.proj.12PM

α-2k.	Decl.-2k.	Red. Decl.	Magn.	Remarks
1418	1288	912	off curve(852)	
1419	1143	810	747	
1394	1107	799	732	
1400	1280	915	off curve	
1434	1124	782	722	
1422	1391	979	off curve	
1420	~~1196~~ 1196	838	772	
1400	1169	833	770	
1405	~~1292~~ 992	~~916~~ 706	654 ~~off curve~~	
1385	1252	903	842	
1430	1211	849	781	
1437	1045	730	673	
1429	1183	830	765	
1440	1000	696	642	
1420	1107	781	720	
1392	1262	910	840	
1403	1007	716	661	
1447	777	533	520	
1451	1011	698	645	
1406	529	375	403	
1420	1075	758	698	
1421	1160	815	751	
1461	1190	812	750	
1438	1154	805	740	
1430	865	605	572	
1400	519	370	402	
1417	1064	752	693	
1419	1064	752	693	
1436	988	687	637	
1425	915	642	600	

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1932phae.proj.124PM

ZJP - RH 3482 - May 16, 1932.

Trip	Star	y	x	Dyf	Dyf	Cc	Dk	Volts
	93 X	2377	1270	1713	1709	2007	602	
23.8	94 X	2387	728	1850	1852	2037	597	
	95 X	2380	1100	1483	1483	2032	599	
	96	2390	1132	1642	1644	2023	607	
24.0	97	2400	687	1054	1063	2050	598	
	98	2410	677	1422	1412	2047	590	
	99	2423	1152	1742	1737	2037	603	
24.2	100	2418	735	1420	1438	2062	602	
	101 X	2423	851	1903	1907	2062	612	
	102	2437	937	1442	1472	2037	595	
	103	2420	1026	1724	1727	2053	609	
	104 X	2420	1248	1794	1796	2038	602	
24.4	105	2454	979	1141	1154	2032	602	
24.6	106	2468	896	1837	1822	2042	599	
24.8	107	2486	653	1243	1234	2071	602	
	108	2480	696	1672	1620	2060	608	
	109	2479	822	1789	1817	2068	613	
	110	2487	918	1484	1472	2062	604	
	111	2478	963	1592	1570	2052	604	
	112	2481	943	1717	1748	2057	603	
25.0	113	2500	724	1607	1583	2068	612	
	114	2500	947	1743	1743	2062	603	
25.2	115	2522	871	1737	1720	2037	608	
25.6	116	2561	693	1877	1887	2068	608	
	117	2567	631	1888	1892	2063	608	
25.8	118	2580	628	1587	1592	2058	603	
	119	2574	807	1807	1760	2048	608	
	120	2589	861	1622	1582	2052	611	
26.0	121	2610	663	1632	1570	2053	610	
	1A	2071	938	900	—	2032	610	

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1932phae.proj.120M

Cl.-Dk.	Defl.-Dk	Red. Defl.	Magn.	Remarks
1405	1109	788	722	on circle
1440	1254	869	802	
1433	884	618	580	
1416	1036	730	675	
1452	960	662	615	
1457	827	565	541	
1434	1137	790	727	
1460	827	563	541	
1450	1293	890	831	
1442	847	585	555	
1444	1117	770	708	
1436	1193	829	761	on circle
1430	545	382	411	
1443	1231	851	790	
1469	662	451	461	
1452	1037	715	662	
1455	1190	818	750	
1458	874	601	570	
1448	977	672	625	
1454	1129	779	715	
1446	983	680	630	
1459	1140	781	720	
1429	1120	784	722	
1450	1274	875	810	
1455	1281	882	820	
1455	987	678	627	
1440	1176	818	751	
1441	946	658	610	
1443	991	686	637	
1422	290	203		

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1932phae.proj.120M

HJP-RH 3482- May 16, 1932

Strip	Star	y	x	Diff	Diff	Cc	Dk	Volt
Plate	1	1709	935	1280	—	2013	607	
fine	2	1	—	1362	—	2022	608	(520)
	3	—	—	1483	—	2037	608	
	4	—	—	1607	—	2037	601	
	5	—	—	1668	—	2032	607	
	6	—	—	1700	—	2037	603	
	7	—	—	1740	—	2030	603	
	8	—	—	1883	—	2040	608	

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1932phae.proj.12PM

Cl.-Dk	Defl.-Dk.	Red. Defl.	Magn.	Remarks
1466	673	480	—	
1414	754	533	—	
1429	875	612	—	
1436	1006	706	—	
1425	1051	735	—	
1454	1097	758	—	
1447	1137	784	—	
1432	1275	890	—	

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1932phae.proj.120PM

m.m. – RH 3483 – May 17, 1932.

Strip	Star	y	x	Deff.	Deff	Cl.	Dk.	volt.
	1s	2065	941	923		1999	489	
	1	1701	922	1451	—	2010	503	
	2	—	—	1539	—	2047	502	
	3	—	—	1682	—	2042	572	
	4	—	—	1735	—	2039	571	
	5	—	—	1772	—	2025	572	
	6	—	—	1828	—	2058	515	
	7	—	—	1831	—	2036	508	
	8	—	—	1918	—	2041	520	
15.2	1	1533	703	1960	1978	2047	525	
	2	1521	841	1862	1864	2000	521	
15.4	3	1550	688	1878	1893	2039	528	
15.6	4	1571	783	1981	1972	2038	522	
15.8	5	1581	946	1936	1931	2042	528	
16.0	6	1612	1023	1824	1810	2043	522	
16.2	7	1631	442	1878	1891	2035	538	
	8	1633	1077	1931	1942	2048	539	
16.4	9	1653	451	1814	1824	2054	547	5.30
16.6	10	1668	497	1803	1838	2043	548	
	11	1663	1057	1941	1953	2071	551	
16.8	12	1699	788	1903	1898	2068	553	
	13	1690	1213	1723	1723	2076	547	
17.2	14	1723	847	1767	1792	2071	556	
17.4	15	1742	1096	1832	1846	2073	552	
	16	1756	624	1773	1790	2058	552	
17.8	17	1780	1121	1857	1853	2077	556	
18.0	18	1801	520	1887	1897	2089	552	
	19	1816	294	1903	1888	2071	558	
	20	1816	742	1880	1982	2088	567	
18.2	21	1820	775	1768	1782	2090	569	5.28

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1932phae.proj.1201M

R.A.-Dk.	Decl.-Dk.	Red Decl.	Magn.	Remarks
1510	434	287	—	
1501	948	628	—	
1545	1037	670	—	
1530	1170	763	—	
1528	1224	802	—	
1513	1260	831	—	
1533	1313	867	—	
1528	1323	870	—	
1521	1398	918	—	
1522	1444	951	off curve	
1479	1342	910	821	
1516	1343	885	772	
1516	1454	959	off curve	
1514	1406	930	off curve	
1521	1295	848	710	
1497	1344	965	off curve	
1509	1397	923	850	
1507	1272	841	704	
1495	1272	850	712	
1520	1396	920	840	
1515	1347	892	790	
1529	1176	768	604	
1515	1224	811	660	
1521	1287	847	709	
1506	1229	815	666	
1521	1299	851	720	
1537	1340	872	752	
1513	1338	880	765	
1521			635	
1521	1206	798	~~840~~	

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1932phae.proj.12pM

R.S.R. - R.H. 3483 - May 17, 1932

Temp	Plate	y	x	Hyl.	Hyl.	Ca	Ca	Volts
18.2 (Cont.)	22	1820	1767	1934	1925	2079	563	5.28
	23	1839	1175	1936	1952	2102	559	
	24	1834	1213	1598	1588	2110	565	
18.4	25	1840	528	1672	1693	2077	567	
	26	1844	1005	1863	1854	2077	567	
	27	1852	500	1808	1824	2088	570	
18.6	28	1860	596	1678	1698	2083	569	
	29	1868	1067	1858	1878	2076	560	
	30	1863	1315	1943	1952	2088	561	
18.8	31	1884	529	1957	1951	2080	561	
	15	2064	941	908	—	2072	553	
	1	1702	923	1434	—	2051	556	
	2	—	—	1533	—	2068	552	
	3	—	—	1669	—	2068	552	
	4	—	—	1746	—	2052	556	
	5	—	—	1778	—	2083	566	
	6	—	—	1856	—	2093	565	
	7	—	—	1857	—	2100	569	
	8	—	—	1935	—	2097	569	5.27
19.0	32	1907	983	2022	2016	2085	580	5.20
19.2	33	1921	876	1962	1942	2103	583	
19.4	34	1951	447	1978	1968	2097	578	
	35	1941	698	1853	1862	2089	577	
	36	1954	704	1866	1882	2097	582	
19.6	37	1972	269	1862	1842	2077	583	
	38	1964	438	1972	1979	2093	584	
	39	1970	538	1727	1732	2103	579	
	40	1961	842	1810	1803	2088	579	
	41	1968	1008	1712	1710	2091	582	
20.0	42	2000	518	1847	1827	2097	573	

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1932phae.proj.12MM

α.-Dk.	Defl.-Dk.	Red. Defl.	Magn.	Remarks
1516	1367	902	802	
1543	1385	899	796	
1545	1018	654	504	
1510	1115	738	575	
1510	1291	853	721	
1518	1246	823	675	
1514	1119	740		
~~1504~~	~~1129~~	~~748~~	586	
1516	1308	863	740	
1527	1387	900	800	
1519	1393	918	837	
1519	355	234	—	
1495	878	585	—	
1516	981	649	—	
1516	1117	737	—	
1496	1190	798	—	
1517	1212	800	—	
1528	1291	844	—	
1521	1288	842	—	
1528	1366	893	—	
1505	1439	956	off curve	
1520	1369	901	811	
1519	1395	920	850	
1512	1281	849	710	
1515	1292	850	716	
1494	1269	853	722	
1509	1392	920	850	
1524	1151	757	598	
1509	1227	812	662	
1509	1129	748	586	
1524	1264	830	689	

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1932phae.proj.1200M

XJP-RH 3483 - May 17, 1932.

Strip	Star		Y	X	Defl	Defl	Cl	Dk	Volts
	43	✓	2043	1302	1941	1936	2087	587	
20.2	44	✓	2030	558	1857	1848	1983	602	
	45	✓	2017	710	1893	1892	2100	588	
	46	✓	2028	888	1802	1773	2093	583	
	47	✓	2023	1217	1859	1863	2081	590	
20.4	48	✓	2052	345	1568	1584	2070	582	
	49	✓	2037	883	1642	1633	2078	581	
	50	✓	2041	1179	1897	1903	2100	582	
20.6	51	✓	2061	468	1722	1762	2083	573	
	52	✓	2058	1126	1867	1852	2088	582	
20.8	53	✓	2091	402	1862	1862	2087	572	
	54	✓	2080	560	1563	1579	2078	582	
	55	✓	2086	842	1862	1881	2078	571	
21.0	56	✓	2108	419	1932	1931	2066	582	
	57	✓	2100	911	1954	1949	2083	577	
	58	✓	2107	920	1857	1847	2067	582	
21.2	59	✓	2124	483	1812	1809	2073	578	
	60	✓	2120	1040	1730	1714	2092	579	
	61	✓	2117	1363	1932	1931	2078	587	
	1		2064	944	952	—	2057	582	
	1		1702	923	1452	—	2070	578	
	2		—	—	1563	—	2058	582	
	3		—	—	1608	—	2062	588	
	4		—	—	1711	—	2067	581	
	5		—	—	1764	—	2060	578	
	6		—	—	1810	—	2063	573	020
	7		—	—	1800	—	2080	572	
	8		—	—	1926	—	2053	568	

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1932phae.proj.1701M

Cl.-Dk.	Defl.-Dk.	Red. Defl.	Morgan.	Remarks
1500	1351	898	800	
1381	1253	908	825	
1512	1304	868	749	
1510	1205	800	650	
1491	1266	850	714	
1488	994	671	515	
1497	1057	708	547	
1518	1318	869	749	
1510	1169	775	618	
1506	1318	841	702	
1515	1300	859	730	
1496	989	660	506	
1507	1301	863	741	
1484	1350	908	829	
1506	1375	911	833	
1485	1267	853	722	
1495	1242	833	692	
1513	1143	757	594	
1491	1345	903	819	
1475	370	251	—	
1492	874	587	—	
1476	981	665	—	
1474	1070	728	—	
1486	1130	763	—	
1472	1186	803	—	
1490	1237	828	—	
1408	1228	871	—	
1485	1355	912	—	

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1932phae.proj.120M

m.m. – RH 3483 – May 18, 1932.

Strip	Star	y	x	Defl.	Defl.	Cl.	Dk.	volt.
	1s	2864	935	811	—	1859	498	5.20
	1	1702	918	1311	—	1876	508	
	2	—	—	1413	—	1891	508	
	3	—	—	1486	—	1895	515	
	4	—	—	1608	—	1908	518	
	5	—	—	1631	—	1898	518	
	6	—	—	1709	—	1930	526	
	7	—	—	1678	—	1908	519	
	8	—	—	1790	—	1910	528	
21.4	62	2155	838	1743	1728	1917	524	
	63	2141	1012	1851	1842	1929	521	
	64	2139	1182	1830	1849	1938	520	
21.6	65	2166	680	1835	1836	1951	529	
	66	2165	1050	1759	1743	1925	531	
21.8	67	2198	488	1861	1865	1958	538	
	68	2188	778	1902	1897	1950	547	
	69	2192	1110	1810	1810	1978	548	
	70	2188	1190	1862	1878	1971	547	
22.0	71	2199	420	1771	1782	1991	552	
	72	2201	587	1802	1832	1961	538	
	73	2210	1108	1662	1638	1961	559	
	74	2210	1190	1895	1889	1968	558	
22.2	75	2222	420	1821	1788	1953	561	
22.4	76	2254	322	1716	1708	1967	560	
	77	2258	828	1792	1795	1970	566	
22.6	78	2261	434	1805	1822	1968	559	
	79	2265	458	1680	1722	1976	562	
22.8	80	2285	450	1549	1531	1989	569	
	81	2289	479	1684	1684	1978	563	
	82	2291	933	1342	1368	1972	572	

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1932phae.proj.1700M

Cl.-Dk.	Defl.-Dk	Rd. Defl.	Magn.	Remarks
1361	313	229		
1368	703	512		
1383	905	653		
1380	871	631		
1390	1090	785		
1380	1113	806		
1410	1189	835		
1389	1158	830		
1382	1262	910		
1393	1212	870	778	
1408	1325	943	off curve	
1418	1320	931	off curve	
1422	1307	920	845	
1394	1220	877	785	
1420	1323	932	off curve	
1403	1353	965	off curve	
1430	1262	882	795	
1424	1323	932	off curve	
1439	1224	852	752	
1403	1259	894	811	
1402	1091	778	650	
1410	1334	947	off curve	
1492	1243	835	735	
1407	1152	816	704	
1404	1228	875	782	
1409	1255	888	798	
1414	1139	806	692	
1420	971	682	542	
1415	1121	792	672	
1400	783	559	438	

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1932phae.proj.128M

m.m. — RH3483 — May 18, 1931.

Strip	Star	y	x	Defl.	Defl.	cl.	Dk.	volt.
	83	2288	1218	1736	1722	1986	562	
23.0	84	2304	602	1838	1823	2015	575	
	85	2301	870	1881	1855	2028	578	
	86	2303	990	1912	1904	2020	570	
23.2	87	2318	355	1871	1852	2018	572	
	88	2330	725	1822	1830	2022	572	
	89	2326	816	1667	1672	2005	576	
	90	2318	836	1293	1271	2001	569	
	91	2321	912	1795	1787	2002	568	
	92	2333	1083	1782	1782	2006	578	
23.4	93	2351	709	1698	1687	1998	575	
	94	2342	912	1875	1900	2000	578	
23.6	95	2364	698	1749	1750	2010	571	
23.8	96	2396	511	1656	1658	2006	572	
	97	2388	1136	1751	1772	2010	574	
24.0	98	2403	520	1599	1598	2038	573	
	99	2412	740	1618	1622	2030	578	
	100	2400	1155	1842	1840	2056	575	5.18
	101	2412	738	1580	1607	2036	574	
	102	2416	1029	1811	1817	2032	570	
24.2	103	2431	940	1623	1659	2059	583	
24.4	104	2452	983	1382	1393	2028	566	
24.6	105	2462	900	1858	1888	2028	572	
	106	2463	1124	1913	1911	2032	574	
	107	2477	699	1723	1756	2032	573	
	108	2474	827	1817	1820	2030	570	
	109	2473	967	1690	1670	2042	567	
24.8	110	2480	555	1405	1409	2022	572	
	111	2490	673	1908	1917	2032	574	
	112	2480	921	1629	1635	2032	572	5.16

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1932phae.proj.12M

Ch.-Dk.	Dyl-Dk	Red. Dyl	Magn.	Remarks
1427	1167	821	712	
1440	1255	869	772	
1450	1290	888	799	
1450	1338	920	842	
1446	1289	890	802	
1450	1254	862	770	
1429	1094	763	632	
1432	713	499	395	
1434	1223	852	752	
1428	1204	842	741	
1423	1117	780	656	
1422	1310	920	843	
1439	1179	818	709	
1434	1185	828	720	
1436	1178	820	710	
1465	1025	701	560	
1452	1042	720	580	
1481	1266	853	752	
1462	1020	697	552	
1462	1244	858	750	
1476	1058	715	574	
1462	832	568	446	
1456	1301	896	810	
1458	1338	920	845	
1459	1167	803	690	
1460	1248	858	759	
1475	1113	756	621	
1450	835	577	451	
1458	1338	918	840	
1460	1060	727	588	

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1932phae.proj.128M

D.S.R. - R.A. 3783 - May 18, 1932

Temp	Plate	y	x	Left	Left	D.	Min.	Volts
24.8 (Chut.)	113	2480	977	1834	1858	2068	569	5.16
	114	2497	728	1767	1730	2092	571	
	115	2498	950	1857	1847	2057	574	
25.2	116	2520	874	1763	1817	2074	568	
	117	2530	524	1932	1953 (Point on Image)	2072	575	
	118	2532	695	1936	1907	2063	572	
25.4	119	2546	750	1908	1919	2022	572	
	120	2558	598	1887	1880	2032	565	
25.6	121	2560	635	1875	1887	2033	571	
	122	2576	633	1629	1647	2010	558	
	123	2570	810	1812	1798	2016	558	
25.8	124	2583	865	1626	1628	2030	572	
26.0	125	2606	656	1698	1692	2018	565	
	1S	2064	935	897	—	2056	560	
	1	1702	917	1443	—	2033	563	
	2	—	—	1533	—	2028	568	
	3	—	—	1634	—	2034	567	
	4	—	—	1718	—	2023	569	
	5	—	—	1724	—	2043	573	
	6	—	—	1756	—	2052	574	
	7	—	—	1802	—	2034	567	
	8	—	—	1899	—	2034	573	5.15

Plate Inverted

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1932phae.proj.1700M

Cl.-Pk	Dyfl.-Pk	Red. Dyfl.	Magn.	Remarks
1499	1271	850	748	
1521	1176	770	642	
1483	1278	860	760	
1406	1222	869	771	
1497	1369	918	840	
1491	1350	918	840	
1450	1342	923	850	
1467	1319	895	810	
1462	1311	898	811	
1452	1080	742	605	
1458	1247	858	758	
1458	1055	724	582	
1453	1130	778	650	
1496	337	226	—	
1470	880	598	—	
1460	965	661		
1467	1067	728	—	
1454	1149	790	—	
1470	1151	783	—	
1478	1182	801	—	
1467	1235	835	—	
1461	1326	923	—	

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1932phae.proj.12MM

Dyl - R.A. 806 - May 19, 1932.
Nos. up (sequence)

trip	star		y	x	dy/dt	dy/dt	cc	dk	volts
	1A		2138	763	938	–	2142	458	520
	1		1814	909	1208	–	2178	469	
	2		–	–	1282	–	2218	468	
	3		–	–	1207	–	2200	481	
	4		–	–	1500	–	2207	472	
	5		–	–	1652	–	2236	492	
	6		–	–	1812	–	2262	491	
	7		–	–	1862	–	2278	502	
	8		–	–	2122	–	2248	494	
15.0		1	1506	397	2104	2111	2273	502	
15.2		2	1521	660	2083	2072	2237	507	
15.4		3	1538	908	2060	2058	2232	504	
15.8		4	1591	310	1523	1500	2247	512	
16.0		5	1599	437	1868	1812	2281	518	
16.2		6	1620	1003	2010	2010	2217	517	
16.4		7	1640	392	2003	1988	2273	512	
		8	1648	868	1802	1780	2213	516	
		9	1644	932	1885	1872	2218	521	
		10	1643	964	1630	1573	2212	518	
		11	1640	1024	1610	1587	2198	513	
16.6		12	1657	1103	1982	1973	2227	513	
16.8		13	1680	811	1873	1853	2227	522	
17.2		14	1721	203	1754	1763	2310	523	
		15	1730	1051	2012	1994	2228	527	
17.4		16	1738	257	2057	2030	2287	522	
18.0		17	1810	138	1764	1793	2299	523	
		18	1804	159	1623	1597	2283	527	
		19	1800	647	2103	2092	2277	529	
18.4		20	1839	132	2072	2022	2287	524	
		21	1826	421	1992	1976	2292	532	

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1932phae.proj.1201M

Cl.-Dk.	Defl.-Dk.	Red. Defl.	Magn.	Remarks
1684	480	286	—	
1609	739	459	—	
1750	814	465	—	
1719	876	510	—	
1725	1028	596	—	
1744	1160	663	—	
1771	1321	750	—	
1776	1360	768	—	
1749	1628	839	—	
1771	1606	908	off curve	
1730	1571	908	off curve	
1728	1555	898	881	
1765	1010	569	586	
1768	1327	750	711	
1700	1493	877	off curve	
1761	1484	846	810	
1700	1278	750	711	
1797	1357	753	714	
1694	1084	643	684	
1685	1085	643	638	
1714	1465	853	822	
1705	1341	787	746	
1787	1235	688	660	
1701	1476	866	841	
1765	1522	862	838	
1776	1255	708	678	on circle
1756	1073	976	off curve	
1748	1569	897	880	
1763	1523	864	840	on circle
1760	1452	825	786	

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1932phae.proj.12pm

NGP - BH 806 - May 19, 1932.

Trip	Star	Y	X	Diff	Diff	Ce	Dk	Volts
	22 ✓	1841	1179	2111	2082	2203	532	
18.8	23 ✓	1880	713	1173	1162	2273	538	
19.0	24 ✓	1900	378	2077	2082	2289	537	
	25 ✓	1913	1038	1966	1947	2267	542	
19.4	26 ✓	1900	1206	1744	1742	2282	538	
	27 ✓	1931	1218	2042	2033	2291	543	
19.6	28 ✓	1958	648	1720	1714	2316	547	
	29 ✓	1974	647	2036	2009	2300	543	
	30 ✓	1971	757	1712	1662	2281	543	
19.8	31 ✓	1988	862	1889	1862	2209	543	
	32 ✓	1979	939	1082	1081	2207	539	
20.0	33 ✓	2010	483	1778	1747	2297	542	
	34 ✓	2011	658	2022	2007	2300	539	
	35 ✓	2016	778	1968	1960	2299	533	
	36 ✓	2010	789	2003	1990	2310	530	
	37 ✓	1999	818	2062	2057	2268	533	
	38 ✓	2004	1109	1941	1930	2288	547	
20.2	39 ✓	2027	743	1993	1982	2282	533	
	40 ✓	2023	757	2102	2107	2282	535	
	41 ✓	2031	773	2090	2057	2303	543	
		2020	778	1616	1628	2266	532	
	10	2183	743	857	—	2232	533	
	1	1814	909	1192	—	2289	548	
	2	—	—	1308	—	2302	543	
	3	—	—	1330	—	2058	532	
	4	—	—	1462	—	2058	548	
	5	—	—	1557	—	2093	533	520
	6	—	—	1728	—	2107	543	
	7	—	—	1783	—	2102	549	
	8	—	—	2082	—	2080	533	

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1932phae.proj.1210M

α.-Dk.	Decl.-Dk.	Red. Decl	Magn.	Remarks
1721	1564	910	off curve	
1735	630	363	405	
1752	1543	882	off curve	
1725	1414	818	777	
1744	1205	692	669	
1748	1495	852	821	
1769	1170	667	649	visible, but not measured on 4110.
1757	1480	842	810	
1738	1144	662	650	
1716	1333	777	737	
1718	1043	609	610	
1755	1220	694	668	
1761	1475	836	798	
1749	1414	808	765	
1760	1446	823	782	
1707	1503	880	off curve	visible, but measured on 4110.
1741	1389	795	753	
1729	1435	829	790	visible, but measured on 4110.
1727	1549	898	880	
1760	1531	867	840	
1714	1070	627	624	
1679	304	181	—	
1741	644	369	—	
1749	755	432	—	
1506	778	515	—	
1510	914	602	—	
1540	1004	653	—	
1554	1175	758	—	
1553	1244	802	—	
1527	1469	964	—	

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1932phae.proj.120PM

P.S.R. – R.A. 806 – May 19, 1932

Trip	Star		y	x	Diff	Diff			Notes
	15		2136	743	950 ~~983~~ ~~946~~ 1292	—	2179 ~~2073~~ 2134	5~~15~~ ~~487~~ 500	5.30
	1		1815	909	~~+383~~	—	~~2363~~	~~500~~	
	2		—	—	1369	—	2140	503	
	3		—	—	1490	—	2168	507	
	4		—	—	1618	—	2142	512	
	5		—	—	1678	—	2162	508	
	6		—	—	1783	—	2164	512	
	7		—	—	1870	—	2192	502	
	8		—	—	2038	—	2142	507	
20.4	42	✓	2048	332	2005	1983	2203	512	
	43	✓	2039	647	2027	2059	2200	515	
	44	✓	2040	767	1762 1713	1767 1727	2267 2215	528 512	
	45	✓	2044	775	1847	1783	2212	516	Images in contact
	46	✓	2046	774	1740	1737	2202	508	
	47	✓	2047	801	1871	1892	2282	516	
	48	✓	2041	834	1937	1919	2193	522	1765 2267 / 528 528 / 1237 ÷ 1739 = .712
	49	✓	2038	874	1886	1843	2193	507	
	50	✓	2053	761	1647	1661	2236	507	1720 2215 / 512 512 / 1208 ÷ 1703 = .709
	51	✓	2058	772	1512	1518	2213	512	
	52	✓	2059	776	1862	1849	2226	515	
	~~53~~	✗	~~2058~~	~~793~~	= Double star not measured				
	53	✓	2059	870	1804	1778	2212	505	OK
	54	✓	2053	882	1752	1713	2200	512	
20.6	55	✓	2068	516	2054	2054	2243	513	Galvanometer erratic.
	56	✗	2069	736	1970	1960	2210	512	
	57	✓	2060	832	2065	2059	2228	513	
	58	✗	2068	961	2034	2030	2220	510	
	59	✓	2076	775	1708	1699	2244	512	
20.8	60	✓	2082	753	1976	1982	2228	514	
	61	✓	2086	768	1918	1940	2220	510	
	62	✓	2082	787	1933	1922	2258	511	5.28

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1932phae.proj.120M

α.-Dk.	Decl.-Dk.	Red. Decl.	Magn.	Remarks
1664	435	262	—	
1634	792	487	—	
1637	866	529	—	
1661	983	592	—	
1630	1106	687	—	
1654	1170	711	—	
1652	1271	773	—	
1690	1368	810	—	
1635	1531	935	—	
1691	1482	878	790	
1685	1553	918	830	
1739	1236	710	646	
1703	1208	706	642	
1696	1295	765	691	Observe notes on page 54 about these measures.
1694	1230	728	659	
1766	1366	773	700	
1671	1406	796	718	
1686	1357	801	721	
1729	1167	688	608	
1701	1003	591	551	
1711	1341	786	708	
1707	1286	753	682	
1688	1220	722	654	
1730	1541	891	806	
1698	1453	857	770	
1715	1549	903	820	
1710	1522	892	808	
1732	1192	688	625	
1714	1465	859	771	
1710	1419	828	743	
1747	1417	809	776	

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1932phae.proj.1208M

P. S. R. - R. A. 806 - May 19, 1932

Trip	Star	y	x	Refl.	Refl.	Cl.	Clr.	Volts
20.8 (Cont.)	63 ✓	2084	830	1633	1578	2238	514	5.28
	64 X	2087	1062	2086	2086	2214	517	
21.0	65 X	2100	657	2040	2042	2062	517	
	66 X	2102	696	2039	2068	2230	514	Galvanometer erratic
	67 ✓	2118	548	1407	1414	2252	510	
	68 X	2117	665	2107	2096	2237	509	
	69 ✓	2112	735	1984	1990	2228	511	
	70 ✓	2111	961	1940	1927	2218	514	
	71 ✓	2113	976	1869	1816	2233	517	
21.2	72 ✓	2122	662	1690	1678	2275	516	
21.6	73 X	2170	084	1639	1622	2280	517	
	74 ✓	2160	393	1387	1382	2289	514	
	75 ✓	2174	364	1970	1957	2302	513	
	76 ✓	2174	507	1823	1830	2266	507	
	77 ✓	2170	1143	1422	1423	2267	512	5.27
21.8	78 ✓	2193	549	1868	1849	2242	522	
	79 ✓	2182	681	1277	1252	2166	538	
	80 ✓	2194	964	1687	1719	2228	547	
22.2	81 ✓	2232	478	1809	1771	2295	553	
22.4	82 ✓	2250	491	1756	1759	2272	543	
	83 ✓	2243	640	2105	2052	2270	562	
22.6	84 ✓	2268	303	1810	1801	2289	567	
	85 ✓	2268	404	1721	1763	2293	568	
22.8	86 ✓	2282	550	1996	2005	2248	558	
	87 ✓	2290	1091	1570	1552	2231	562	
	88 ✓	2278	1115	1900	1912	2238	568	
23.2	89 ✓	2337	760	2037	2021	2262	559	
23.4	90 ✓	2340	717	1983	1949	2250	561	
23.6	91 X	2377	290	1805	1805	2263	559	
	92 ✓	2372	1165	2002	1965	2240	558	

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1932phae.proj.120M

Cl.-Dk.	Defl.-Dk.	Red. Defl.	Magn.	Remarks
1724	1092	625	578 ✓	
1697	1569	925	842 ✗	visible but unmeasured on 4110.
1545	1524	873 989	790 off curve	
1716	1539	895	810 ✗	visible, but unmeasured on 4110.
1742	900	517	490 ✓	
1728	1593	920	833 ✗	visible but unmeasured on 4110
1717	1476	859	771 ✓	
1704	1420	831	750 ✓	
1716	1325	772	698 ✓	
1761	1368	775	699 ✓	
1763	1113	628	578 ✗	outside circle
1775	870	496	472 ✓	
1789	1451	812	731 ✓	
1759	1319	749	674 ✓	
1755	910	579	490 ✓	
1720	1336	773	698 ✓	
1628	726	445	429 ✓	
1681	1156	687	625 ✓	
1742	1237	709	643 ✓	
1729	1215	701	640 ✓	
1708	1526	898	810 ✓	
1722	1239	718	650 ✓	
1725	1174	680	620 ✓	
1690	1442	851	769 ✓	
1669	999	597	556 ✓	
1670	1338	799	716 ✓	
1703	1470	865	780 ✓	
1689	1405	833	752 ✓	
1604	1246	773	698 ✓	
1682	1526	908	820 ✓	

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1932phae.proj.120PM

M.M. – RH 806 – May 19, 1932

Strip	Star	y	x	Left	Left	Cl.	Cl.	Volts.
24.0	93	2410	390	1238	1318	2288	558	
24.2	94	2434	398	1079	1042	2305	567	
	95	2428	1003	2028	2011	2225	565	
24.4	96	2438	536	1589	1588	2288	556	
	97	2448	867	1500	1530	2228	559	
24.8	98	2486	559	1889	1862	2261	558	
25.2	99	2531	473	2010	2031	2281	555	
25.4	100	2550	1032	1418	1348	2259	561	
25.6	101	2575	470	1783	1752	2281	538	
26.0	102	2602	871	2110	2069	2252	558	
	1s	2136	743	960	—	2255	561	
Plate	1	1815	909	1400	—	2200	568	
fluided	2	—	—	1442	—	2238	568	
	3	—	—	1600	—	2218	565	
	4	—	—	1649	—	2230	559	
	5	—	—	1730	—	2228	562	
	6	—	—	1878	—	2281	560	
	7	—	—	1912	—	2282	572	
	8	—	—	2110	—	2251	570	5.20

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1932phae.proj.120M

Cl.-Dk.	Defl.-Dk	Red. Defl.	Magn	Remarks
1730	720	416	403	
1738	493	284	289	
1660	1455	878	790	
1732	1032	597	553	
1669	956	571	539	
1603	1318	816	732	
1626	1465	903	820	
1698	822	485	464	
1623	1209	743	660 ~~430~~	
1694	1532	908	821	
1694	399	236		
1632	832	510		
1670	874	523		
1653	1035	627		
1671	1090	652		
1666	1168	701		
1621	1318	810		
1710	1340	782		
1681	1540	916		

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1932phae.proj.1200M

2 Pp - R.A. 807 - May 19, 1932

Trip	Star		y	x	dy/dt	dy/dt	Cc	dx/dt	Zett
	1A		2130	817	872	+	2147	063	030
	1		1803	972	1184	—	2147	020	
	2		—	—	1223	—	2137	028	
	3		—	—	1382	—	2162	037	
	4		—	—	1602	—	2158	021	
	5		—	—	1640	—	2169	036	
	6		—	—	1778	—	2207	028	
	7		—	—	1863	—	2181	039	
	8		—	—	2028	—	2184	047	
14.8	1	✓	1495	481	2073	2054	2192	047	
15.0	2	✓	1510	746	2106	2054	2211	052	
15.2	3	✓	1528	995	2042	2013	2200	038	
15.8	4	✓	1579	396	1606	1562	2208	007	
	5	✓	1588	532	1903	1878	2212	063	
16.0	6	✓	1610	1088	2008	2003	2192	063	
16.2	7	✓	1629	478	1976	1970	2207	063	
	8	✓	1634	903	1819	1802	2223	069	
	9	✓	1681	1017	1888	1842	2201	072	
	10	✓	1622	1048	1592	1550	2203	071	
	11	✓	1628	1110	1629	1602	2203	072	
16.6	12	✓	1669	897	1901	1877	2223	063	
16.8	13	✓	1681	1218	2022	2016	2197	070	
17.0	14	✓	1710	289	1814	1793	2237	079	
17.2	15	✓	1727	342	2033	2036	2207	088	
17.6	16	✓	1756	278	2107	2103	2233	082	
17.8	17	✓	1783	223	1808	1813	2239	072	
	18	✓	1791	243	1637	1603	2243	072	
	19	✓	1793	565	2096	2107	2238	082	
	20	✓	1778	732	2108	2098	2218	077	
18.2	21	✓	1829	218	2012	2038	2238	073	

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1932phae.proj.1200M

Cl.-Dk.	Defl.-Dk.	Red. Defl.	Magn.	Remarks
1634	359	219	—	
1627	664	408	—	
1609	695	432	—	
1625	845	519	—	
1637	1081	662	—	
1636	1107	678	—	
1679	1250	746	—	
1648	1330	805	—	
1647	1481	900	—	
1655	1517	912	850	✓
1659	1528	923	off curve	✓
1642	1470	898	830	✓
1651	1027	623	602	✓
1649	1327	803	745	✓
1629	1443	885	820	✓
1644	1410	858	795	✓
1654	1241	751	705	✓
1629	1293	792	739	✓
1632	1000	614	597	✓
1631	1044	642	620	✓
1660	1026	619	600	✓
1622	1444	885	820	✓
1658	1225	741	699	✓
1619	1446	893	830	✓
1651	1522	921	off curve	✓
1657	1338	809	749	✓
1671	1048	627	608	✓
1656	1520	921	off curve	✓
1641	1536	935	off curve	✓
1665	1452	870	806	✓

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1932phae.proj.1208M

XP - RR807 - May 19, 1932.

Step	Star		Y	X	Dyp	Dxp	Cc	dk	Volt	
18.6	22	✓	1870	798	1312	1282	2232	561		
18.8	23	✓	1885	463	2092	2067	2237	559		
19.0	24	✓	1902	1122	1932	1908	2217	557		
19.2	25	✓	1921	1303	1963	1967	2190	570		
19.4	26	✓	1948	732	1789	1742	2200	563		
	27	✓	1940	1288	1608	1618	2183	553		
19.6	28	✓	1964	732	1933	1987	2221	548		
	29	✓	1961	841	1613	1614	2232	552		
	30	✓	1961	921	2112	2042	2198	553		
	31	✓	1977	947	1841	1810	2203	560		
	32	✓	1969	1023	1593	1560	2182	552		
19.8	33	✓	1980	357	2023	2037	2228	552		
	34	✓	1989	858	2056	2032	2219	558		
	35	✓	1989	902	2018	1987	2213	557		
20.0	36	✓	2010	568	1878	1864	2223	548		
	37	✓	2000	742	1973	1942	2200	553		
	38	✓	2011	840	2067	2052	2196	548		
	39	✓	2009	862	1668	1608	2198	543		
	40	✓	2004	866	1768	1760	2201	548		
	41	✓	1999	873	1962	1952	2192	553		
	42	+	2007	887	2103	2063	2189	552		
	43	✓	2008	897	2000	2013	2199	555		
	44	✓	1993	1194	1833	1832	2183	542		
	10		2130	817	982	—	2187	548		
	1		1803	972	1363	—	2197	552		
	2		—	—	1368	—	2172	562		
	3		—	—	1512	—	2188	550		
	4		—	—	1653	—	2197	553		
	5		—	—	1650	—	2182	558		
	6		—	—	1823	—	2227	563		515
	7		—	—	1893	—	2226	563		
	8		—	—	2042	—	2208	558		

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1932phae.proj.1200M

Cl.-Dk.	Dyf.-Dk.	Red. Dyf.	Magn.	Remarks
1671	711	425	449	
1678	1521	906	842	
1660	1363	822	761	
1620	1395	860	796	
1637	1203	739	696	
1630	1085	667	640	
1673	1412	848	782	
1680	1062	633	612	
1645	1524	928	off curve	
1643	1266	774	723	
1630	1027	631	610	
1676	1508	903	841	
1661	1486	888	820	
1656	1445	873	810	visible but not measured on 4110.
1675	1323	790	733	
1647	1405	853	791	
1645	1512	918	off curve	
1655	1095	659	630	
1652	1216	728	688	
1639	1404	861	799	
1637	1531	935	off curve	
1644	1451	879	813	
1641	1300	791	738	visible, but unmeasured on 4110.
1629	434	266	—	
1645	811	492	—	
1610	806	498	—	
1638	962	590	—	
1644	1100	668	—	
1624	1092	668	—	
1664	1260	756	—	
1657	1330	805	—	
1650	1484	892	—	

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1932phae.proj.12pM

P.A.R. - R.A. 807 - May 20, 1932

Hour	Star		y	x	Upp.	Lwr.	Cl.	Dk.	Notes
	15		2129	789	1082	—	2237	492	5.39
	1		1801	946	1349	—	2282	491	
	2		—	—	1333	—	2199	493	
	3		—	—	1589	—	2203	497	
	4		—	—	1696	—	2235	496	
	5		—	—	1788	—	2213	502	
	6		—	—	1908	—	2243	503	
	7		—	—	1960	—	2258	506	
	8		—	—	2127	—	2238	511	
20.2	45	+	2029*	705	2197	2173	2337	514	
	46	✓	2020	832	2112	2108	2313	517	
	47	+	2024	846	1853	1825	2308	523	
	48	✓	2027	930	1988	1982	2301	522	
	49	*	2020	1273	2164	2162	2297	521	
	50	✓	2036	279	2159	2167	2336	521	
	51	✓	2030	825	1869	1801	2303	523	
	52	✓	2033 2034	833 - 859	Doubt - no measurement 1966	1982	2340	520	
	53	✓	2030	891	2042	2025	2292	523	
20.4	54	✓	2043	820	1810	1793	2297	527	
	55	✓	2042	830	1663	1641	2287	527	
	56	✓	2048	834	1987	1978	2302	533	
	57	✓	2047 2047	840 - 844	Doubt - no measurement 1920	1927	2313	536	
	58	*	2042	858	2178	2190	2307	539	
	59	+	2050	890	2157	2156	2313	542	
	60	✓	2045	941	1880	1867	2307	540	
	61	✓	2057	573	2121	2118	2319	537	
	62	*	2088	794	2090	2068	2307	538	
	63	*	2057	1018	2112	2117	2306	540	5.39
	64	✓	2058	573	2169	2160	2316	543	
20.6	65	*	2059	794	2112	2107	2296	533	

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1932phae.proj.1200M

Cl.-Dk.	Defl.-Dk.	Rel. Defl.	Magn.	Remarks
1745	590	338	—	
1741	858	492	—	
1706	840	492	—	
1706	1092	638	—	
1739	1200	691	—	
1711	1286	753	—	
1740	1405	810	—	
1752	1454	828	—	
1747	1616	930	—	
1823	1671	918	off curve	X
1796	1593	888	830	✓
1785	1316	736	698	X
1779	1463	822	724	✓
1776	1642	928	off curve	X
1815	1642	905	off curve	✓
1780	1312	743	648	✓
1820	1454	854	794	✓
1769	1511	853	790	✓
1770	1275	721	683	✓
1760	1125	641	570	✓
1769	1449	821	722	✓
1777	1388	775	673	✓
1768	1545	872	808	X
1791	1614	901	off curve	X
1767	1334	751	652	✓
1782	1583	898	850	✓
1769	1541	872	808	X Visible on 410, but not measured
1766	1594	885	821	X " " " " "
1773	1621	913	off curve	X
1743	1557	890	840	X " " " " "

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1932phae.proj.1266M

JP-RH807- May 20, 1932

Stop.	Star		y	x	Left.	Left.	Cl.	Clk.	Volts
	66	↓	2071	811	2122	2093	2287	052	
	67	↓	2077	827	2093	2063	2297	052	
	68	↓	2063	823	1902	1860	2278	049	
	69	↑	2071	847	2020	2017	2306	058	
	70	↓	2072	888	1866	1808	2289	053	
20.8	71	↑	2091	755	2154	2132	2297	054	
21.0	72	↓	2107	607	1754	1718	2304	561	
	73	↓	2110	721	1932	1923	2283	054	
	74	↓	2102	791	2134	2114	2291	056	
	75	↓	2101	1020	2043	2033	2267	062	
	76	↓	2102	1034	1970	1938	2283	058	
21.4	77	↓	2149	442	1763	1722	2322	062	
21.6	78	↑	2158	142	1837	1812	2298	064	
	79	↓	2161	421	2103	1980	2312	063	
	80	↓	2163	067	1983	2008	2313	062	
	81	↑	2170	714	2172	2158	2293	062	
	82	↓	2170	737	1523	1484	2304	062	
	83	↓	2160	1202	1062	1041	2268	053	
21.8	84	↓	2181	608	1992	1964	2268	062	
	85	↓	2181	1022	1762	1730	2263	058	
	86	↑	2186	1123	2102	2083	2264	064	
22.2	87	↑	2224	275	2132	2111	2307	063	
	88	↓	2221	537	1954	1883	2297	053	
	89	↓	2230	697	2128	2122	2272	064	
22.4	90	↓	2257	362	1923	1879	2311	059	
	91	↓	2240	549	1932	1904	2330	062	
22.6	92	↓	2206	463	1937	1893	2314	067	
	93	↓	2271	607	2097	2092	2298	063	
	94	↓	2268	1172	1958	1900	2272	067	
22.8	95	↓	2280	1149	1621	1653	2280	072	

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1932phae.proj.120M

Cl.-Dk.	Defl.-Dk.	Red. Defl.	Magn.	Remarks.
1735	1610	928	off curve	
1745	1521	872	805 ✓	
1729	1332	766	662 ✓	
1748	1460	832	740 X	
1736	1284	740	640 ✓	
1743	1589	911	890 X	visible but unmeasured on 4110.
1743	1175	671	590 ✓	
1729	1364	788	687 ✓	
1735	1568	904	off curve ✓	
1705	1476	863	790 ✓	
1715	1396	811	710 ✓	
1760	1176	665	583 ✓	
1724	1260	731	632 ✓	visible but not measured on 4110.
1749	1429 1479	815 841	716 ✓ 750	
1741	1434	821	722 ✓	
1731	1603	1930	~~off~~ curve X	
1742	936	535	~~524~~ ✓ 496	
1715	999	581	532 ✓	
1706	1416	828	730 ✓	
1695	1188	701	610 ✓	
1700	1528	898	850 X	
1744	1559	890	839 X	visible but not measured on 4110.
1744	1362	783	681 ✓	
1708	1561	913	off curve ✓	
1752	1342	763	~~498~~ ✓ 660	
1768	1356	767	666 ✓	
1747	1348	770	668 ✓	
1735	1531	883	830 ✓	
1705	1852	791	690 ✓	
1708	1065	623	559 ✓	

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1932phae.proj.12pM

Exp – RH 807 – May 20, 1932

Strip	Star		Y	X	Dyfl	Dyfl	Cc	Dk	Volts
23.2	96	✓	2330	773	2042	2023	2289	060	
	97	✓	2327	818	2078	2033	2282	062	
23.4	98	✓	2343	601	2143	2092	2322	070	
23.6	99	✗	2364	258	1961	1927	2308	064	
	100	✓	2368	691	2141	2122	2306	068	
	101	✓	2361	1224	1908	1972	2253	067	
23.8	102	✗	2389	481	2193	2169	2312	067	
24.0	103	✓	2400	449	1512	1497	2292	068	
24.2	104	✓	2423	457	1383	1360	2283	068	
	105	✓	2428	692	1863	1802	2294	064	
	106	✓	2430	676	2053	2058	2287	067	
	107	✓	2420	1062	2057	2023	2243	062	
24.4	108	✓	2439	922	1673	1608	2257	068	
24.6	109	✓	2469	718	2132	2123	2284	073	
24.8	110	✓	2443	617	2023	2011	2303	073	
25.0	111	✗	2510	530	2072	2063	2296	073	
25.2	112	✓	2520	822	2138	2103	2294	068	
25.4	113	✗	2541	1090	1423	1462	2237	068	
25.6	114	✓	2562	528	1908	1923	2307	063	
			2129	789	1162	—	2272	067	
			1801	946	1408	—	2297	073	
Plate			—	—	1483	—	2262	063	
Invisible	3		—	—	1669	—	2272	067	
	4		—	—	1838	—	2241	072	
	5		—	—	1809	—	2302	063	
	6		—	—	1990	—	2317	062	
	7		—	—	2021	—	2324	072	
	8		—	—	2164	—	2300	062	025

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1932phae.proj.1200M

Cl.-Dk.	Defl.-Dk.	Red. Defl.	Magn.	Remarks.
1729	1472	850	762	
1720	1494	868	798	
1752	1548	888	833	
1744	1380	789	687	visible but not measured on 4110.
1738	1564	903	~~off curve~~	
1686	1398	827	730	
1745	1614	921	~~off curve~~	visible but not measured on 4110.
1724	936	542	502	
1725	814	472	441	
1730	1268	735	637	
1730	1499	868	797	
1711	1422	831	740	
1689	1072	635	586	
1711	1545	904	872	
1730	1444	833	742	
1723	1495	868	796	
1726	1552	898	850	
1669	874	523	487	
1744	1367	783	680	
1705	595	348	—	
1724	835	483	—	
1699	920	542	—	
1705	1102	649	—	
1669	1266	761	—	
1739	1296	748	—	
1755	1428	812	—	
1752	1449	828	—	
1738	1502	870	—	

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1932phae.proj.120M

P.S.R. - R.A. 4109 — May 23 1932

Strip	Star	y	x	Diff.	Diff.	G.	R.	Volts
	15	2152	75°8	1747	/	1378	468	5.32
	1	1838	938	1011	—	1421 +	473	
	2 *	—	—	1050	—	1427 +	478	
	3	—	—	1082	—	1407	477	Galvanometer
	4	—	—	1177	—	1413	478	unusually
	5	—	—	1172	—	1367	478	steady.
	6	—	—	1243	—	1406	477	
	7	—	—	1262	—	1387	477	Variations
	8	—	—	1312	—	1379	478	in deflection
14.6	✓1	1479 1594	845 527	1332	1338	1439	485	checked later
15.0	✓2	1517	385	1318	1338	1427	498	and found to
15.2	✓3	1530	651	1359	1357	1433	500	be real
15.4	✓4	1545	900	1390	1365	1461	502	variations in
16.0	✓5	1601	301	1140	1145	1456	504	background
	✓6	1609	438	1257	1263	1413	505	intensity.
	×7	1609	1016	1402	1402	1459	503	
	✓8	1609	1055	1288	1278	1457	498	
16.2	✓9	1624	522	1344	1347	1410	497	
	✓10	1627	993	1341	1357	1446	498	
16.4	✓11	1642	597	1342	1345	1384	500	
	✓12	1647	938	1373	1378	1437	503	
	✓13	1645	1015	1200	1204	1452	499	
	✓14	1650	383	1308	1308	1432	503	
	✓15	1654	860	1246	1257	1408	503	
	✓16	1651	923	1298	1248	1424	507	
	✓17	1651	953	1189	1189	1443	507	
16.6	✓18	1662	1092	1353	1355	1470	497	
16.8	✓19	1687	802	1281	1272	1405	508	
17.0	✓20	1700	1124	1408	1384	1473	505	
	*21	1717	1050	1441	1442	1462	507	5.30

Double — not measured.

* † Jumps on scratch — clear setting made on some scratch

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1932phae.proj.1201M

ce.-Dk.	Defl.-Dk.	Red. Dfl.	Magn.	Remarks.
910	279	307	—	
948	538	567	—	
949	572	603	—	
930	605	649	—	
935	699	747	—	
889	694	780	—	
929	766	828	—	
910	785	863	—	
901	834	924	—	
954	870	912	810	
929	830	894	782	
933	858	920	821	
959	876	913	811	
952	638	669	538	
908	755	831	702	
956	899	940	851	
959	795	832	701	
913	849	930	838	
948	851	908	790	
884	844	953	off curve	
934	873	934	850	
953	703	739	597	
929	805	869	746	
905	749	826	692	
917	766	837	706	
936	682	730	590	
973	837	860	732	
897	768	856	730	
968	891	920	822	
955	935	978	off curve	

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1932phae.proj.128M

dJP- CH 4109 - May 23, 1932.

Strip	Star	y	x	Diff.	Diff.	A.	Mb.	Notes
17.2	V22	1730	190	1282	1266	1460	522	
17.4	V23	1749	248	1343	1343	1442	522	
	V24	1737	1042	1343	1348	1467	518	
17.6	V25	1748	871	1348	1337	1423	508	
	V26	1780	185	1382	1342	1457	514	
	V27	1759	872	1337	1342	1433	512	
18.0	V28	1809	638	1363	1350	1422	520	
18.2	V29	1817	152	1183	1187	1477	526	
18.4	V30	1850	126	1392	1367	1492	526	
	V31	1850	1171	1432	1428	1502	519	
18.8	V32	1890	707	958	969	1403	522	
19.2	V37	1920	1020	1373	1358	1472	527	
19.4	V34	1940	1212	1382	1412	1508	542	
19.6	V35	1967	641	1262	1242	1432	529	
	V36	1954	1198	1318	1292	1507	528	
19.8	V37	1986	640	1329	1337	1449	532	
	V38	1980	749	1192	1173	1442	528	
	V39	1993	854	1303	1302	1452	529	
	V40	1986	931	1210	1200	1448	529	
	10	2152	758	783	—	1398	532	
	1	1838	938	1062	—	1469	520	
	2	—	—	1092	—	1439	529	
	3	—	—	1137	—	1429	523	
	4	—	—	1222	—	1447	519	
	5	—	—	1219	—	1397	519	
	6	—	—	1293	—	1487	528	
	7	—	—	1279	—	1427	524	520
	8	—	—	1347	—	1401	523	

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1932phae.proj.1200M

Cl.-Dk.	Diff.-Dk.	Red. Diff.	Magn.	Remarks.
938	752	801	662	
920	821	892	780	
949	828	870	750	
915	834	903	~~800~~	
943	863	918	818	
921	828	898	786	
902	832	921	825	
954	662	695	558	
969	857	883	766	(on curve)
983	911	929	832	
? 881	981 442	450 500	364 401	Cl. 1403 ?
945	839	888	770	
966	855	883	769	
903	723	801	662	
979	772	790	650	
917	801	872	751	
914	654	713	576	
923	773	835	700	
919	676	734	594	
866	256	293	—	
939	542	576	—	
916	559	610	—	
906	614	673	—	
928	703	754	—	
878	700	799	—	
909	765	847	—	
903	755	832	—	
878	824	936	—	

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1932phae.proj.128M

XJP- RH +109- May 24, 1932.

strip	star	y	x	Uyl.	Lyl.	Cl.	Sk.	Volts
	1N	2152	758	1263	—	1348	432	520
	1	1838	938	973	—	1423	442	
	2	—	—	1028	—	1422	433	
	3	—	—	1093	—	1417	443	
	4	—	—	1189	—	1436	443	
	5	—	—	1173	—	1397	443	
	6	—	—	1272	—	1439	452	
	7	—	—	1274	—	1423	457	
	8	—	—	1350	—	1404	463	
20.0	41	2004	267	1384	1378	1493	462	
	42	2007	811	1350	1346	1450	457	
	43	2009	1078	1393	1412	1492	466	
	44	2016	1103	1312	1328	1518	463	
20.2	45	2021	477	1292	1274	1482	468	
	46	2020	650	1339	1343	1443	468	
	47	2028	771	1172	1163	1452	472	
	48	2024	772	1252	1227	1453	470	
	49	2018	781	1313	1312	1420	472	
	50	2027	805	1360	1352	1450	469	
20.4	51	2030	769	1230	1213	1432	474	
	52	2040	768	1332	1332	1437	477	
	53	2052	769	1282	1272	1430	482	
	54	2056	767	1232	1232	1423	478	
	55	2047	782	1195	1200	1459	480	
	56	2055	795	1272	1263	1457	478	
	57	2050	828	1324	1323	1467	483	
	58	2049	868	1316	1307	1470	482	
20.6	59	2079	730	1346	1342	1423	483	
	60	2041	748	1329	1332	1427	489	
	61	2061	756	1218	1211	1458	498	

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1932phae.proj.1200M

Cl.-Dk	Degr.-Dk.	Red. Diff.	Magn.	Remarks
916	291	318	—	
981	531	542	—	
989	595	605	—	
974	650	668	—	
990	746	753	—	
954	730	762	—	
987	820	831	—	
966	817	848	—	
951	897	939	—	
1031	919	889	780	
993	891	895	790	
1029	939	911	810	
1055	859	812	693	
1014	815	802	682	
975	868	890	782	
980	696	708	590	
983	770	782	666	
948	831	881	772	
981	887	902	800	
958	748	780	660	
960	855	889	779	
948	795	839	720	
945	754	796	676	
979	778	732	612	
989	790	789	670	
984	841	858	740	
988	830	842	725	
968	724	750	629	

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1932phae.proj.128M

YJP-RH 409- May 24, 1932.

strip	star	y	x	Diff	Diff	Ce	Dk	Delta
	✓62	2068	767	1187	1163	1452	498	
?	63	2069	769	1292	1290	1450	488	
?	64	2068	779	1252	1258	1428	489	
	✓65	2062	877	1260	1258	1473	501	
20.8	✓66	2083	769	1222	1217	1453	498	
	✓67	2090	780	1327	1323	1462	494	
	✓68	2091	824	1224	1216	1473	494	
21.0	69 x	2110	651	1398	1380	1473	513	
begin	70 x	2111	691	1362	1356	1438	523	
21.2	71 ✓	2129	543	1153	1158	1502	518	
	72 ✓	2130	657	1263	1262	1468	512	
	73 ✓	2120	728	1349	1353	1449	518	
	74 ✓	2120	956	1379	1378	1507	521	
	75 ✓	2120	970	1348	1347	1513	513	
21.6	76 ✓	2170	378	1172	1168	1572	516	
21.8	77 ✓	2184	368	1378	1378	1533	518	
	78 ✓	2184	501	1351	1310	1532	520	
	79 x	2190	641	1404	1405	1493	518	
	80 ✓	2191	673	993	969	1480	516	
	81 ✓	2179	1138	1188	1177	1558	519	
	1x	2152	758	813	—	1423	519	
	1	1838	938	1087	—	1492	518	
	2	—	—	1088	—	1499	518	515
	3	—	—	1143	—	1502	516	
	4	—	—	1247	—	1493	512	
	5	—	—	1228	—	1457	520	
	6	—	—	1393	—	1490	518	
	7	—	—	1328	—	1478	522	
	8	—	—	1394	—	1451	514	

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1992phae.proj.120M

Cl.-Dk.	Defc.-Dk.	Red. Defc.	Magn.	Remarks
954	677	707	590	
962	803	838	720	
939	766	817	700	
973	759	780	661	
955	722	755	636	
968	831	860	742	
978	726	741	622	
960	876	912	810	
927	846	913	811	
984	638	649	531	
956	750	782	663	
931	833	896	789	
986	851	871	760	
1000	835	838	720	
996	654	658	541	
1018	860	848	730	
1012	810	800	680	
975	886	908	801	
964	465	483	392	
1039	659	633	522	
904	294	322	—	
974	569	582	—	
981	570	581	—	
986	627	638	—	
981	732	747	—	
937	708	752	—	
972	815	838	—	
956	806	840	—	
937	880	935	—	

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1932phae.proj.128M

P.S.R. - R.H. 4109 - May 24, 1932

Strip	Star	y	x	Defl	Defl	Ce	Dk	Volts
	15	2152	758	774	—	1448	505	5.23
	1	1838	938	1047	—	1503	504	
	2	—	—	1089	—	1482	501	
	3	—	—	1150	—	1483	503	
	4	—	—	1232	—	1484	504	
	5	—	—	1234	—	1446	503	
	6	—	—	1316	—	1486	507	
	7	—	—	1333	—	1472	507	
	8	—	—	1377	—	1454	509	
22.0	82 ✓	2203	543	1316	1309	1507	512	5.23
	83 ✓	2200	957	1259	1266	1482	516	
	84 X	2202	1038	1414	1423	1504	508	
22.2	85 X	2223	1082	1448	1466	1530	518	
	86 X	2221	1185	1503	1512	1570	516	
	87 ✓	2230	191	518	518	1479	515	← Jupiter
	88 ✓	2229	196	696	682	*730	508	← Satellite?
	89 X	2237	594	1404	1408	1469	513	
22.4	90 X	2248	211	1232	1234	*1310	518	
	91 X	2248	420	1430	1430	1513	526	
	92 ✓	2242	473	1294	1288	1502	523	
	93 X	2241	1152	1490	1492	1587	520	
	94 ✓	2252	633	1388	1390	1493	523	
	95 X	2256	785	1402	1402	1464	527	
22.6	96 ✓	2260	486	1286	1273	1507	526	
	97 X	2260	598	1416	1418	1490	520	
	98 X	2272	200	1339	1372	1454	516	
	99 ✓	2279	300	1303	1285	1533	522	
	100 ✓	2278	400	1257	1250	1509	510	5.21
22.8	m. 101 ✓	2279	300	1313	1298	1542	531	
	102 ✓	2293	543	1388	1369	1511	528	

*On halation fog of preceding star, 2230, 191

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1932phae.proj.126M

Cl.-Dk.	Dfl.-Dk.	Red. Dfl.	Magn.	Remarks
943	269	285	—	
999	543	540	—	
981	588	600	—	
986.	647	660	—	
980	728	740	—	
943	731	775	—	
979	809	826	—	
965	826	858	—	
945	868	918	—	
995	800	802	682 ✓	
966	746	773	651 ✓	
996	910	911	812 ✗	
1012	939	928	830 ✗	
1054	992	943	off curve ✗	
964	03	03	off curve (too bright) ✓	
?222	181	82	off curve (too bright) ✓	{See note on page 78
956	893	932	841 ✗	
?792	715	905	801 ✗	{See note on page 78
987	904	913	812 ✗ ✓	
979	768	784	661	
1067	971	914	814 ✗	
970	866	893	789 ✓	
937	875	933	842 ✗ ✓	
981	754	772	651	
970	897	928	830 ✗	
938	839	890	782 ✗	
1011	772	764	642 ✓	
999	744	747	622 ✓	
1011	769	760	637 ✓	
983	850	864	752 ✓	

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1932phae.proj.128M

M.M. – RH 4109 – May 24, 1932

Strip	Star	y	x	Diff.	Diff.	O.	LR	Volts
	103 ✓	2296	1085	1222	1237	1535	529	
	104 ✓	2284	1109	1361	1357	1538	530	
23.4	105 ✓	2350	710	1320	1331	1488	537	
	106 ✓	2346	757	1358	1336	1482	530	
23.6	107 ✓	2365	440	1412	1391	1533	532	
23.8	108 ✓	2388	530	1396	1388	1513	538	
	109 ✓	2378	1160	1458	1398	1539	528	
24.0	110 ✗	2410	421	1421	1423	1522	531	
24.2	111 ✓	2420	388	1060	1072	1522	531	
	112 ✓	2435	1000	1380	1412	1548	532	
24.4	113 ✓	2445	392	1043	952	1530	532	
	114 ✓	2448	531	1208	1191	1492	528	
	115 ✗	2450	602	1334	1335	1487	536	
24.6	116 ✗	2497	809	1362	1350	1481	532	
24.8	117 ✓	2497	553	1313	1308	1473	530	
25.2	118 ✗	2580	470	1370	1380	1502	532	
25.4	119 ✓	2540	762	1351	1338	1471	535	
25.6	120 ✗	2568	637	1400	1361	1491	538	
25.8	121 ✓	2585	418	1262	1258	1492	532	
26.2	122 ✗	2122	870	1365	1358	1475	538	
	1s	2152	758	813	—	1432	530	
	1	1838	938	1072	—	1488	528	
	2	—	—	1118	—	1491	528	
	3	—	—	1168	—	1481	530	
	4	—	—	1243	—	1478	530	
	5	—	—	1230	—	1440	532	
	6	—	—	1307	—	1525	528	
	7	—	—	1322	—	1458	530	
	8	—	—	1368	—	1432	528	~ 520

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1932phae.proj.126M

Cl.-Dk	Dff.-Dk.	Red. Dff	Magn.	Remarks
1006	701	698	572 ✓	
1008	829	820	702 ✓	
951	789	831	720 ✓	
952	817	859	743 ✓	
1001	870	868	755 ✓	
985	854	868	751 ✓	
1011	892	887	780 ✓	
991	891	900	798 ✗	
991	535	538	426 ✓	
1016	864	860	746 ✓	
1018	446	439	349 ✓	
954	672	703	581 ✓	
951	798	839	720 ✗	
949	824	863	752 ✗	
943	780	828	710 ✓	
970	843	878	768 ✗	
936	309	329	270 ✓	
933	842	900	799 ✗	
960	728	758	631 ✓	
937	824	880	770 ✗	
902	283	313	—	
960	544	568	—	
963	590	613	—	
951	638	670	—	
948	713	752	—	
908	698	769	—	
971	779	780	—	
928	792	851	—	
904	840	928	—	

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1932phae.proj.128M

82 (numbers W)

m.m. — RH 4110 — May 25, 1932.

Strip	Star	y	x	Defl.	Defl.	Cl.	Dk.	Volt.
	1s	2152	799	700	—	1540	458	5.25
	1	1829	961	992	—	1597	462	
	2	—	—	1021	—	1618	470	
	3	—	—	1129	—	1592	471	
	4	—	—	1241	—	1589	471	
	5	—	—	1245	—	1571	471	
	6	—	—	1352	—	1611	475	
	7	—	—	1388	—	1618	478	
	8	—	—	1465	—	1592	480	
14.8	1	1483	864	1391	1412	1568	486	
15.2	2	1522	403	1532	1519	1632	491	
	3	1535	670	1521	1489	1591	492	
15.4	4	1550	918	1462	1460	1569	491	
16.0	5	1608	320	1265	1260	1641	507	
	6	1612	457	1439	1407	1622	502	
	7	1615	1074	1355	1382	1588	501	
16.2	8	1631	542	1550	1552	1623	498	
	9	1630	1010	1471	1458	1591	506	
16.4 D.S.A.	10	1649	615	1540	1525	1635	504	5.32
	11	1657	412	1493	1504	1652	510	
	12	1659	878	1364	1356	1595	511	
	13	1656	942	1409	1392	1610	509	
	14	1652	958	1514	1517	1620	513	
	15	1657	973	1270	1248	1602	507	
	16	1650	1034	1267	1258	1597	503	
16.6	17	1668	1112	1439	1433	1605	505	
16.8	18	1692	821	1366	1386	1590	507	
17.0	19	1707	226	1587	1587	1663	509	
	20	1704	1143	1482	1492	1619	505	
17.2	21	1738	206	1388	1402	1687	503	5.32

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1932phae.proj.126M

Cl.-Dk.	Defl.-Dk.	Red. Defl.	Magn.	Remarks
1052	242	230	—	
1135	530	468	—	
1148	551	479	—	
1121	658	584	—	
1118	770	690	—	
1100	774	705	—	
1136	877	770	—	
1140	910	791	—	
1112	985	888	—	
1082	916	843	792	
1141	1035	903	844	
1099	1014	929	off curve	
1068	970	911	off curve	
1134	755	665	614	
1120	921	823	762	
1087	867	792	732	
1125	1053	935	off curve	
1085	958	880	822	
1131	1028	912	off curve	
1142	988	861	803	
1084	849	779	719	
1101	831	753	694	
1107	1003	906	849	
1095	752	684	630	
1094	759	693	639	
1100	931	847	786	
1083	869	800	741	
1154	1078	928	off curve	
1114	982	881	822	
1184	892	753	692	

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1932phae.proj.128PM

P.R. – R.A. 4h10 – May 25, 1932.

Strip	Star	y	x	Ref.	Ref.	R.	Dec.	Notes
17.4	✓22	1741	1060	1430	1432	1603	512	5.32
	✓23	1755	267	1542	1528	1692	513	
	✓24	1757	1180	1523	1517	1635	512	
17.6	✓25	1763	391	1547	1537	1675	509	
17.8	✓26	1786	204	1576	1593	1710	502	
18.0	✓27	1812	658	1500	1498	1637	509	
18.2	✓28	1820	170	1330	1305	1698	516	
	✓29	1820	491	1550	1532	1688	512	
	✓30	1831	866	1549	1541	1630	510	
18.4	✓31	1851	433	1479	1482	1686	520	
	✓32	1853	1190	1509	1513	1630	519	
18.8	✓33	1895	725	936	934	1668	523	
	✓34	1894	909	1498	1496	1637	523	
	15	2152	798	695	—	1697	522	
	1	1830	961	987	—	1649	518	
	2	—	—	984	—	1649	525	5.31
	3	—	—	1150	—	1693	522	
	4	—	—	1262	—	1593	532	
	5	—	—	1294	—	1592	532	
	6	—	—	1387	—	1640	532	
	7	—	—	1422	—	1637	529	
	8	—	—	1488	—	1623	523	
19.0	✓35	1913	392	1563	1548	1662	530	
19.2	✓36	1923	869	1542	1581	1631	541	
	✓37	1925	1049	1461	1468	1629	541	
19.4	✓38	1943	1290	1498	1473	1672	534	
19.6	✓39	1967	322	1571	1580	1700	532	
	✓40	1972	661	1312	1302	1632	531	
	✓41	1959	1218	1300	1278	1672	528	
19.8	42	1992	660	1442	1422	1632	534	

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1932phae.proj.126M

Cl-Dk.	Defl.-Dk.	Red. Defl.	Magn.	Remarks
1091	919	840	780	
1179	1022	868	810	
1163	1008	866	806	
1166	1040	888	829	
1208	1082	893	835	
1128	990	875	819	
1182	802	678	621	
1176	1039	880	821	
1120	1035	927	off curve	
1166	960	821	762	
1111	992	894	838	
1145	412	359	388	
1114	974	873	812	
1175	273	147	—	
1131	469	414	—	
1124	459	407	—	
1071	628	586	—	
1061	730	686	—	
1060	762	721	—	
1108	855	770	—	
1108	893	802	—	
1080	965	892	—	
1132	1026	912	off curve	
1090	1021	936	off curve	
1088	923	849	786	
1138	952	837	773	
1168	1044	891	840	
1101	776	698	616	
1144	761	663	591	
1098	898	818	747	

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1932phae.proj.128M

M.M. — RH 4110 — May 25 1932.

Strip	Star	y	x	Defl.	Defl.	Cl.	Dk.	volt
	43	1986	769	1257	1252	1628	535	
	44	1984	850	1498	1490	1634	537	
	45	1980	897	1533	1520	1622	532	
	46	1992	957	1249	1228	1612	585	
20.0	47	2002	225	1592	1573	1688	532	
	48	2009	285	1578	1561	1740	537	
	49	2002	431	1542	1544	1682	596	
	50	2005	778	1578	1508	1628	541	
	51	2013	786	1500	1497	1622	535	
	52	2000	874	1395	1400	1612	540	
	53	2000	888	1481	1483	1690	538	
	54	2012	1097	1528	1540	1646	535	
20.2	55	2028	497	1396	1366	1662	538	
	56	2025	670	1445	1452	1628	538	
	57	2035	770	1490	1484	1612	532	
	58	2033	791	1280	(1200)*	1619	535	
	59	2029	792	(1350)*	1800	1610	538	
	60	2022	800	1428	1441	1633	538	
	61	2030	817	1493	1484	1612	540	
	62	2031	825	1511	1470	1610	538	
	63	2032	1182	1562	1556	1672	536	
20.4	64	2041	757	1412	1428	1625	534	
	65	2055	780	1821	1330	1620	598	
	66	2045	787	1465	1438	1618	537	
	67	2050	800	1278	1241	1581	531	
	68	2054	848	1420	1382	1631	536	
	69	2050	888	1385	1351	1601	532	
20.6	70	2065	245	1556	1539	1668	536	
	71	2068	776	1311	1288	1638	542	
	72	2058	788	1372	1351	1612	532	

* Images in contact

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1932phae.proj.126M

Cl. Dk.	Defl. Dk	Red Defl.	Magn.	Remarks
1093	719	659	582	
1097	951	870	811	
1090	994	911	off curve	
1077	703	652	580	
1156	1050	911	off curve	
1203	1033	858	799	
1146	907	790	717	
1087	972	895	840	
1087	963	882	830	
1072	848	790	717	
1092	944	865	807	
1111	999	898	847	
1124	743	664	590	
1090	910	833	771	
1080	955	881	829	
1084	680	631	560	
1072	787	733	655	
1095	896	820	751	
1072	948	881	829	
1072	952	888	831	
1136	1023	901	off curve (851)	
1091	886	811	742	
1082	788	725	650	
1081	915	848	787	
1050	729	691	619	
1095	865	790	718	
1069	836	780	710	
1132	1008	892	840	
1096	768	690	613	
1080	840	778	704	

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1932phae.proj.128M

m.m. — RH41110 — May 25, 1932

Strip	Star	y	x	Diff.	Diff.	Cl.	Dk.	volt
	73	2060	788	1370	1365	1668	538	
	74	2075	789	1379	1390	1625	536	
	75	2070	799	1364	1351	1621	538	
	76	2060	816	1358	1360	1610	540	
	77	2072	847	1532	1530	1680	538	
	78	2068	895	1329	1343	1603	542	
20.8	79	2085	530	1520	1502	1648	537	
	80	2089	788	1339	1302	1607	541	
	81	2098	800	1462	1412	1635	545	
	82	2098	843	1314	1326	1605	538	
	s	2152	799	758	—	1582	542	
	1	1829	961	1109	—	1591	538	
	2	—	—	1171	—	1592	535	
	3	—	—	1200	—	1601	531	
	4	—	—	1295	—	1587	539	
	5	—	—	1299	—	1581	535	
	6	—	—	1380	—	1615	538	
	7	—	—	1408	—	1618	538	5.23
	8	—	—	1479	—	1596	535	

RGP-CH 4110 — May 25, 1932

	s	2152	818	772	—	1523	522	5.20
	1	1829	982	1058	—	1572	527	
	2	—	—	1123	—	1603	524	
	3	—	—	1180	—	1558	522	
	4	—	—	1286	—	1583	527	
	5	—	—	1293	—	1559	528	
	6	—	—	1378	—	1601	526	
	7	—	—	1401	—	1610	522	
	8	—	—	1479	—	1573	523	
21.0	83	2100	788	1462	1428	1608	532	

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1932phae.proj.126M

Cl.-Dk.	Diff.-Dk.	Red. Diff.	Magn.	Remarks
1130	830	732	659	
1089	848	725	651	
1053	828	778	705	
1076	819	764	691	
1130	981	822	755	
1061	794	682	609	
1111	974	878	820	
1061	779	668	590	
1090	892	820	751	
1067	782	730	653	
1040	216	207	—	
1053	571	546	—	
1057	636	600	—	
1069	669	627	—	
1048	755	720	—	
1046	764	730	—	
1077	842	781	—	
1080	870	804	—	
1061	944	888	—	
1001	250	249	—	
1045	531	506	—	
1079	599	557	—	
1036	658	636	—	
1056	759	715	—	
1031	765	738	—	
1075	852	792	—	
1088	879	807	—	
1040	946	908	—	
1076	913	840	759	

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1932phae.proj.128M

DJP-RH 4110 - May 25, 1932

Trip	Star	y	x	dyff	dxff	cc	dk	Volts
	84	2101	801	1440	1412	1604	531	
	85	2098	821	1433	1397	1603	536	
	86	2100	863	1303	1263	1612	529	
21.2	87	2132	583	1257	1223	1613	535	
	88	2129	768	1440	1451	1598	540	
	89	2124	995	1433	1396	1588	534	
	90	2127	1009	1380	1367	1593	530	
21.4	91	2138	696	1323	1309	1613	532	
21.6	92	2177	418	1282	1222	1613	532	
21.8	93	2190	398	1450	1433	1627	532	
	94	2190	542	1410	1367	1632	532	
	95	2181	1178	1166	1123	1623	532	
22.0	96	2210	583	1378	1388	1603	538	
	97	2200	712	1058	993	1597	529	
	98	2207	998	1207	1230	1607	533	
22.4	99	2250	513	1382	1320	1611	539	
22.6	100	2267	527	1332	1324	1628	538	
	101	2259	673	1457	1445	1597	533	
22.8	102	2286	339	1382	1358	1650	532	
	103	2283	440	1298	1341	1649	539	
	104	2290	1150	1378	1404	1624	540	
23.0	105	2300	586	1427	1448	1619	533	
	106	2300	848	1493	1482	1592	539	
	107	2300	1126	1221	1167	1632	542	
23.4	108	2354	751	1441	1391	1605	540	
	109	2350	795	1407	1409	1602	547	
23.6	110	2370	481	1458	1467	1632	537	
23.8	111	2391	569	1487	1447	1610	532	
	112	2381	1200	1418	1390	1623	532	
	113	2384	1277	1200	1262	1630	534	

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1932phae.proj.128M

Cl-Dk.	Defl-Dk	Red. Defl.	Magn.	Remarks
1073	895	832	752	
1070	882	823	742	
1083	654	602	530	
1078	705	653	572	
1058	906	857	780	
1054	880	839	758	
1063	844	795	710	
1081	784	723	638	
1081	720	665	582	
1095	910	832	752	
1100	856	728	640	
1091	612	562	500	
1065	745	700	613	
1068	495	463	420	
1074	711	663	581	
1072	812	758	670	
1090	790	725	640	
1064	918	847	770	
1118	838	750	662	
1110	781	702	615	
1084	851	785	700	
1086	905	831	752	
1053	949	906	834	
1090	752	693	607	
1065	776	728	640	
1055	861	816	732	
1095	925	845	768	
1078	935	870	797	
1071	852	793	710	
1089	715	653	572	

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1932phae.proj.1201M

92

NGP - RR 4110 — May 25, 1932.

Strip	Star	Y	X	Defl	Defl	Ce	Dk	Volts
24.2	✓114	2428	428	1078	1150	1616	542	
24.4	✓115	2451	436	938	923	1087	548	
	✓116	2452	572	1223	1218	1093	550	
	✓117	2441	1039	1417	1423	1588	547	
24.6	✓118	2457	653	1433	1427	1592	542	
	✓119	2461	900	1167	1157	1602	542	
	✓120	2463	1184	1510	1472	1612	538	
24.8	✓121	2482	698	1462	1418	1599	542	
25.0	✓122	2500	595	1363	1361	1594	543	
25.2	✓123	2520	963	1452	1443	1608	548	
25.4	✓124	2539	510	1434	1433	1622	543	
	✓125	2548	801	1423	1427	1573	550	
25.6	✓126	2562	1069	1072	1099	1591	548	
25.8	✓127	2571	508	1331	1320	1619	542	
	10	2552	818	818	—	1489	543	
Plate	1	1829	982	1073	—	1640	547	515
Invalid	2	—	—	1112	—	1606	543	
	3	—	—	1182	—	1567	540	
	4	—	—	1263	—	1572	543	
	5	—	—	x329	—	1560	541	
	6	—	—	x387	—	1598	543	
	7	—	—	1414	—	1607	543	
	8	—	—	1463	—	1562	544	

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1932phae.proj.120M

Cl.-Dk.	Defl.-Dk.	Rel. Defl.	Magn.	Remarks
1074	548	510	457	
1039	382	367	331	
1043	676	648	566	
1041	873	835	758	
1050	898	851	773	
1060	620	583	514	
1074	953	889	815.	
1057	898	849	768	
1051	819	774	691	
1060	900	848	769	
1079	891	832	752	
1023	875	852	773	
1043	538	514	462	
1077	784	730	642	
946	275	291	—	
1053	526	503	—	
1063	569	533	—	
1027	642	621	—	
1029	710	684	—	
1019	762	750	—	
1055	844	800	—	
1064	871	816	—	
1018	919	900	—	

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1932phae.proj.12pM

R.S.R. – R.A. 3164 – May 26, 1932

Strip	Star	y	x	Hyl.	Hyl.	O.	Hk.	Notes
	15	2154	822	573	—	1721	472	5.21
	1	1801	904	843	—	1718	482	
	2	—	—	890	—	1719	480	
	3	—	—	1022	—	1720	469	
	4	—	—	1137	—	1710	484	
	5	—	—	1101	—	1726	487	
	6	—	—	1262	—	1727	491	
	7	—	—	1342	—	1733	494	
	8	—	—	1526	—	1737	492	
15.4	✓1	1541	732	1392	1395	1693	498	
	✓2	1545	780	1479	1486	1704	498	
15.6	✓3	1560	920	1522	1518	1707	497	
16.0	✓4	1609	717	1592	1566	1684	501	
	✓5	1615	808	1542	1550	1700	502	
16.8	✓6	1683	423	1524	1530	1691	512	
	✓7	1684	862	1423	1427	1720	513	
	✓8	1697	510	1455	1442	1732	513	
	✓9	1690	715	1537	1532	1712	512	
17.2	✓10	1732	447	1332	1313	1746	519	
	✓11	1738	853	1494	1473	1732	523	
17.4	✓12	1742	557	1058	1062	1730	522	
	✓13	1747	1070	1183	1194	1713	523	
	✓14	1759	1120	1443	1439	1733	524	
17.6	✓15	1762	901	1544	1525	1744	527	
17.8	✓16	1795	1061	1516	1510	1735	528	
18.2	✓17	1838	1011	1196	1180	1736	530	
	✓18	1837	1030	1105	1050	1779	534	
	15	2154	821	631	—	1770	532	
	1	1802	904	978	—	1738	538	
	2	—	—	940	—	1738	535	
	3	—	—	1060	—	1753	538	
	4	—	—	1193	—	1732	540	
	5	—	—	1197	—	1745	542	
	6	—	—	1322	—	1763	543	
	7	—	—	1380	—	1771	547	

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1932phae.proj.128M

Cl.-Dk	Diff.-Dk	Red Diff.	Magn.	Remarks
1249	101	80	—	
1236	361	293	—	
1239	410	332	—	
1251	553	442	—	
1226	653	532	—	
1239	614	496	—	
1236	771	623	—	
1239	848	683	—	
1245	1034	828	—	
1195	896	749	778	
1206	984	817	824	
1210	1023	849	844	
1183	1078	909	off curve	
1178	1044	884	off curve	
1179	1015	862	off curve	
1207	912	756	783	
1219	955	783	802	
1200	1032	860	off curve	
1227	803	657	720	
1209	911	793	810	
1208	538	446	~~616~~ 581	
1190	665	558	659	
1209	917	756	783	
1217	1007	837	840	
1207	985	789	805	
1206	658	543	651	
1245	464	372	533	
1238	99	80	—	
1200	440	367	—	
1203	405	336	—	
1215	522	430	—	
1192	653	548	—	
1203	655	543	—	
1220	779	636	—	
1224	833	681	—	

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1932phae.proj.12pM

m. m. – RH 3164 – May 26, 1932.

Strip	Star	y	x	Defl.	Defl.	Cl.	Dk.	Volt.
	ls	2154	821	645		1732	541	5.18
	1	1801	902	921		1725	548	
	2	—	—	962	—	1728	552	
	3	—	—	1087	—	1722	548	
	4	—	—	1222	—	1721	548	
	5	—	—	1170	—	1742	557	
	6	—	—	1278	—	1740	551	
	7	—	—	1391	—	1740	557	
	8	—	—	1542	—	1732	558	
18.4	✓19	1846	546	1558	1558	1750	557	
	✓20	1849	584	1285	1289	1762	555	
	✓21	1844	1293	1489	1468	1702	561	
18.6	✓22	1868	1008	1458	1427	1731	559	
19.0	✓23	1902	940	1128	1052	1748	568	
	✓24	1910	1254	1530	1542	1712	566	
19.6	✓25	1958	240	1548	1566	1700	568	
	✓26	1973	1089	1627	1571	1702	572	
19.8	✓27	1988	302	1421	1402	1700	571	
	✓28	1982	400	1116	1108	1711	567	
	✓29	1990	556	1562	1532	1736	571	
	✓30	1989	723	1518	1560	1726	568	
20.0	✓31	2008	460	1461	1449	1728	571	
	✓32	2012	552	1598	1571	1728	572	
	✓33	2009	1093	1572	1608	1710	581	
	✓34	2012	1153	1531	1499	1700	582	
20.2	✓35	2036	702	1310	1341	1729	581	
20.6	36	2071	1118	1541	1546	1721	582	
	ls	2154	821	657	—	1735	582	
	1	1801	902	1003	—	1710	578	
	2	—	—	1035		1693	582	

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1932phae.proj.128M

a.-Dk.	Mean Diff-Dk.	Red. Dif.	Magn.	Remarks
1191	104	84		
1177	373	317	—	
1176	410	349	—	
1174	539	459	—	
1173	674	572	—	
1185	613	517	—	
1189	727	609	—	
1183	834	705	—	
1174	984	841	—	
1193	1001	849	830	
1207	732	605	670	
1141	917	801	800	
1172	883	683	721	
1180	522	494	592	
1146	970	849	830	
1132	989	974	off curve	
1130	1027	908	off curve	
1129	841	747	758	
1144	545	475	578	
1165	966	828	817	
1158	971	840	825	
1157	884	768	771	
1156	1012	877	850	
1129	1009	892	off curve	
1118	933	833	821	
1148	745	650	697	
1139	962	848	830	
1153	75	65	—	
1132	425	375	—	
1111	453	408	—	

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1932phae.proj.12MM

m.m. -RH 3164 - May 26, 1932

Strip	Star	y	x	Decl.	Decl.	Cl.	Dk.	Welk.
	3	—	—	1115	—	1701	578	
	4	—	—	1172	—	1702	581	
	5	—	—	1158	—	1722	582	
	6	—	—	1331	—	1728	579	
	7	—	—	1409	—	1718	583	5,17
	8	—	—	1548	—	1710	578	

m.m. -RH 3164 - May 27, 1932

	1s	2154	821	545	—	1662	570	5,10
	1	1801	902	779	—	1659	515	
	2	—	—	871	—	1672	522	
	3	—	—	960	—	1661	526	
	4	—	—	1122	—	1668	528	
	5	—	—	1089	—	1681	530	
	6	—	—	1258	—	1710	530	
	7	—	—	1371	—	1682	538	
	8	—	—	1507	—	1692	538	
21.0	✓37	2109	275	1278	1288	1662	540	
	✓38	2102	661	1348	1298	1722	548	
	✓39	2102	790	1431	1452	1698	545	
21.2	✓40	2125	243	1412	1429	1671	547	
	✓41	2134	766	1439	1438	1713	552	
	✓42	2129	842	1427	1412	1703	554	
	✓43	2129	881	1212	1182	1712	552	
	✓44	2131	894	1499	1542	1728	558	
21.6	✓45	2161	1278	1078	1088	1704	567	
21.8	✓46	2189	708	1419	1382	1718	572	
	✓47	2189	1258	1402	1394	1688	572	
22.0	✓48	2200	979	1115	1106	1728	577	
22.2	✓49	2228	701	1549	1601	1732	578	
	✓50	2230	828	1132	1169	1732	582	

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1932phae.proj.128M

Q.-Dk.	Mean Deff-Dk	Rel. Diff.	Mags.	Remarks
1123	537	479	—	
1121	591	526	—	
1140	576	504	—	
1149	752	653	—	
1135	826	728	—	
1132	970	858	—	
1152	35	30	—	
1144	264	230	—	
1150	349	302	—	
1135	434	383	—	
1140	594	520	—	
1151	559	486	—	
1180	728	616	—	
1144	833	728	—	
1154	969	838	—	
1122	743	652	740	
1174	775	662	743	
1153	897	778	801	
1124	873	775	802	
1161	886	762	798	
1149	866	753	792	
1160	645	554	685	
1170	962	823	832	
1137	516	542	678	
1146	828	720	773	
1116	824	738	782	
1151	533	462	625	
1154	997	865	off curve	
1150	568	493	646	

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1932phae.proj.1200M

M. M. — R H 3164 — May 27, 1932

Steps	Star	y	x	Dyf	Dyf.	a.	Dk.	Volt.
	51 22.8	2287	1205	1278	1248	1737	588	
	52	2279	1306	1242	1202	1718	591	
	1s	2154	821	636	—	1748	591	
	1	1801	902	848	—	1712	592	
	2	—	—	928	—	1728	598	
	3	—	—	1088	—	1738	599	
	4	—	—	1178	—	1738	597	
	5	—	—	1172	—	1752	599	
	6	—	—	1272	—	1753	602	
	7	—	—	1298	—	1741	593	
	8	—	—	1529	—	1737	598	5.10
		P. L. R. - R. H. 3164 - May 27, 1932						
	15	2154	844	634	—	1866	559	5.39
	1	1802	927	862	—	1852	556	
	2	—	—	872	—	1823	556	
	3	—	—	993	—	1844	556	
	4	—	—	1159	—	1823	553	
	5	—	—	1178	—	1823	557	
	6	—	—	1297	—	1828	553	
	7	—	—	1352	—	1839	548	
	8	—	—	1588	—	1826	550	
23.2	53	2332	607	558	557	1800	549	
	54	2321	881	1573	1553	1809	547	
	55	2339	455	1074	1053	1803	546	
	56	2330	707	1187	1136	1810	547	
	57	2331	797	1194	1183	1801	543	
	58	2339	990	1403	1383	1843	547	
23.4	59	2358	453	1559	1550	1831	552	
24.0	60	2406	768	1391	1383	1823	561	
	61	2400	1133	1283	1277	1818	560	5.39

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1932phae.proj.128M

Cl.-Dk.	Mean Defl.-Dk	Red. Defl.	Magn.	Remarks
1149	675	588	702	
1127	631	560	689	
1157	45	39	—	
1170	256	219	—	
1130	330	292	—	
1139	489	430	—	
1141	581	508	—	
1153	573	499	—	
1151	670	582	—	
1148	705	614	—	
1139	931	819	—	
1307	75	57	—	
1296	306	238	—	
1267	316	248	—	
1288	437	338	—	
1270	606	478	—	
1265	621	491	—	
1275	744	585	—	
1391	804	578	—	
1276	1038	812	—	
1251	09	07	off curve (too bright)	
1262	1016	802	833	
1257	518	413	640 ~~534~~	
1263	619	489	677	
1258	645	515	690	
1296	846	650	752	
1279	1002	790	828	
1262	826	653	752	
1258	720	572	718	

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1932phae.pri.1208M

P. S. R. – R. A. 3167 – May 27, 1932

Temp	Star	y	x	Diff.	Diff.	Cl.	Sk.	Volts
24.4	✓62	2444	801	923	921	1837	558	5.39
	✓63	2459	1123	1596	1580	1808	554	
24.6	✓64	2479	920	1471	1434	1802	555	
24.8	✓65	2484	935	942	928	1800	565	
	✓66	2480	999	1143	1109	1799	556	
25.2	✓67	2529	476	950	908	1789	568	
	✓68	2523	679	1499	1474	1814	564	
	✓69	2530	429	1133	1133	1791	563	
25.4	✓70	2541	675	1486	1496	1798	561	
	✓71	2538	492	1380	1382	1786	549	
	✓							
26.4	72	2652	800	1283	1271	1800	563	
	15	2154	844	611	—	1838	566	
	1	1802	927	802	—	1826	564	
	2	—	—	810	—	1830	569	
	3	—	—	932	—	1840	568	
	4	—	—	1128	—	1834	567	
	5	—	—	1116	—	1820	568	
	6	—	—	1229	—	1844	587	
	7	—	—	1350	—	1852	573	
	8	—	—	1608	—	1850	573	5.38

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1932phae.proj.128M

Cl.-Dk.	Mean Dep.-Dk.	Red. Dep.	Magn.	Remarks
1279	364	283	566	
1254	1034	823	843	
1247	897	720	789	
1235	370	300	575	
1243	570	459	660	
1221	361	291	571	
1250	922	735	797	
1228	570	463	663	
1237	930	753	809	
1247	832	668	760	
1237	714	578	719	
1272	45	35	—	
1262	238	188	—	
1261	241	192	—	
1272	364	283	—	
1267	561	443	—	
1252	548	427	—	
1257	642	517	—	
1279	777	609	—	
1277	1035	809	—	

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1932phae.proj.128M

DJP - RA 4111 — May 27, 1932.

Strip	Star		y	x	diff	diff	cc	dk	Volts
	18		1917	787	707	—	1572	0703	525
	1		2261	677	970	—	1573	510	
	2		—	—	1110	—	1593	518	
	3		—	—	1140	—	1573	521	
	4		—	—	1192	—	1622	532	
	5		—	—	1273	—	1597	533	
	6		—	—	1348	—	1597	539	
	7		—	—	1373	—	1614	543	
	8		—	—	1591	—	1618	547	
14.0	1	✓	1410	831	1379	1377	1607	551	
15.0	2	✓	1505	1139	1442	1433	1612	562	
15.2	3	✓	1521	954	1492	1493	1603	563	
	4	✓	1531	1103	1253	1237	1622	563	
	5	✓	1520	1201	1393	1367	1611	568	
15.4	6	✓	1540	951	1509	1507	1612	569	
15.8	7	✓	1581	631	1400	1428	1627	573	
	8	✓	1579	695	1332	1328	1623	572	
	9	✓	1583	709	1488	1490	1614	573	
16.2	10	✓	1620	828	1292	1266	1610	576	
16.4	11	✓	1640	304	1226	1202	1650	583	
16.6	12	✓	1663	497	1428	1413	1622	583	
17.0	13	✓	1704	1178	1528	1532	1642	592	
17.2	14	✓	1723	639	1472	1478	1628	586	
	15	✓	1731	832	1388	1368	1629	588	
	16	✓	1731	921	1393	1410	1628	588	
	17	✓	1722	1174	1352	1364	1647	583	
17.8	18	✓	1783	299	1422	1384	1683	588	
	19	✓	1777	480	1463	1442	1692	591	
	20	✓	1780	814	1487	1497	1632	583	
18.2	21	✓	1820	510	1543	1582	1652	583	

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1932phae.proj.126M

Obs.-Dk.	Mean Defl.-Dk.	Red. Defl	Magn.	Remarks
1069	204	190	—	
1063	460	432	—	
1075	592	550	—	
1052	619	587	—	
1090	660	607	—	
1064	740	693	—	
1058	809	762	—	
1071	830	772	—	
1071	984	920	—	
1056	827	785	732 ✓	
1050	876	832	771 ✓	
1040	929	892	823 ✓	
1059	682	645	613 ✓	
1043	812	778	722 ✓	
1043	939	889	819 ✓	
1054	841	800	744 ✓	
1051	758	720	672 ✓	
1041	916	878	809 ✓	
1034	703	680	645 ✓	
1067	629	587	561 x	one circle
1039	837	808	750 ✓	
1058	938	891	822 ✓	
1042	887	850	783 x	
1041	790	758	708 ✓	
1030	814	790	738 ✓	
1064	775	728	680 ✓	
1095	815	742	695 ✓	
1101	817	740	692 ✓	
1049	909	867	800 x	visible, but unmeasured on ~~3/16~~ 3/64
1049	15	14	off curve x	

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1932phae.proj.12PM

HP-RH 4111- May 27, 1932.

Strip	Star	y	x	Deff	Deff	Ce	Dk Volts	
	22 ✓	1831	778	1366	1362	1650	088	
18.6	23 ✓	1862	627	1293	1324	1628	086	
	24 ✓	1874	898	1502	1472	1660	092	
18.8	25 ✓	1890	328	1300	1272	1677	087	
19.2	26 ✓	1931	726	147	1370	1643	083	
	27 ✓	1920	763	1487	1508	1670	088	
	28 ✓	1928	839	1518	1514	1647	092	
19.6	29 ✓	1960	813	1484	1500	1672	092	
	30 ✓	1961	942	1406	1410	1663	093	
	31 ✓	1957	1082	1478	1467	1662	092	
19.8	32 ✓	1990	488	1532	1526	1681	089	
20.2	33 ✓	2023	903	1398	1410	1652	097	
20.4	34 ✓	2050	451	1542	1522	1672	092	
	35 ✓	2063	1144	1483	1512	1660	098	
20.6	36 ✓	2078	882	1522	1513	1647	093	
	37 ✓	2072	1206	1493	1492	1695	601	
20.8	38 ✓	2090	516	1562	1540	1680	604	
	39 X	2088	881	1530	1534	1657	607	
	40 ✓	2080	1207	1309	1290	1679	602	
21.4	41 ✓	2107	350	1538	1547	1693	603	
	1s	1917	787	823	—	1608	602	520
	1	2261	677	1082	—	1652	601	
	2	—	—	1102	—	1682	604	
	3	—	—	1237	—	1643	602	
	4	—	—	1267	—	1682	099	
	5	—	—	1320	—	1662	603	
	6	—	—	1392	—	1603	600	
	7	—	—	1448	—	1663	097	
	8	—	—	1552	—	1670	603	

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1932phae.proj.126M

Cl.-Dk.	mean Defl.-Dk	Red. Defl.	Magn.	Remarks
1062	774	726	680 ✓	
1035	725	700	660 ✓	
1068	895	838	775 ✓	
1090	699	640	610 ✓	
1060	807	758	708 ✓	
1082	910	840	778 ✓	
1055	924	876	810 ✓	
1080	900	832	772 ✓	
1070	815	759	709 ✓	
1070	880	822	762 ✓	
1098	940	855	791 ✓	
1055	807	763	713 ✓	
1080	940	869	801 ✓	
1062	900	846	782 ✓	
1054	925	877	810 ✓	
1074	891	831	772 ✓	
1076	941	880	812 ✓	
1050	925	885	818 ✗	
1077	698	648	615 ✓	
1090	939	863	801 ✓	
1006	221	220	—	
1051	481	457	—	
1078	548	507	—	
1041	635	609	—	
1083	668	616	—	
1059	717	679	—	
1053	792	751	—	
1066	851	796	—	
1067	979	884	—	

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1932phae.proj.120PM

AGP - R H 4111 - May 28, 1932.

Temp	Star	Y	X	Dyff	Dyff	Cc	Dx	Volts
	1s	1917	787	726	—	1510	482	525
	1	2261	677	972	—	1553	492	
	2	—	—	1102	—	1558	498	
	3	—	—	1124	—	1543	505	
	4	—	—	1172	—	1577	501	
	5	—	—	1228	—	1562	509	
	6	—	—	1353	—	1543	510	
	7	—	—	1362	—	1572	507	
	8	—	—	1453	—	1568	508	
21.6	42 ✓	2160	664	1222	1164	1574	513	
22.0	43 ✓	2196	599	1382	1382	1572	518	
	44 ✓	2211	1021	1293	1270	1581	570	
22.2	45 ✓	2218	313	1432	1422	1612	522	
	46 ✓	2231	574	1150	1149	1571	518	
	47 ✓	2225	597	1252	1222	1581	526	
23.0	48 ✓	2302	483	1400	1371	1587	519	
23.0	49 ✓	2317	537	1228	1253	1573	530	
	50 ✓	2300	704	1462	1453	1569	526	
23.2	51 ✓	2324	752	1443	1422	1480	533	
	52 ✓	2320	1048	1062	1069	1582	531	
	53 ✓	2329	1158	1263	1283	1572	529	
	54 ✓	2331	1193	1459	1470	1593	534	
23.4	55 ✓	2300	699	1458	1462	1582	532	
23.6	56 ✓	2371	891	1398	1412	1552	538	
	57 ✓	2366	1094	1359	1332	1588	529	
24.4	58 ✓	2449	798	1380	1392	1569	542	
25.0	59 ✓	2001	687	1417	1399	1557	541	
25.2	60 ✓	2017	826	1368	1322	1580	542	
	61 ✓	2520	874	1240	1317	1571	543	
	1s	1917	787	768	—	1523	542	

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1932phae.proj.128M

Q.-Dk.	mean Defl. Dk.	Red. Defl.	Magn.	Remarks
1028	241	234	—	
1061	480	450	—	
1060	604	569	—	
1038	619	598	—	
1076	671	623	—	
1053	719	681	—	
1033	843	813	—	
1065	855	800	—	
1060	945	888	—	
1061	680	638	608 ✓	
1054	864	822	769 ✓	
1071	772	721	~~680~~ ✓	
1090	905	825	770 ✓	
1053	632	600	578 ✓	
1058	714	673	640 ✓	
1068	861	812	760 ✓	
1043	710	680	647 ✓	
1046	935	895	840 ✓	
947	899	949	~~off curve~~ ✓	
1051	535	508	498 ✓	
1063	744	697	658 ✓	
1059	930	875	~~820~~ ✓	visible but unmeasured on 3164
1050	928	880	824 ✓	
1014	867	853	~~800~~ ✓	~~visible but unmeasured on 3164~~
1059	817	772	770 ✓	~~visible but unmeasured on 3164~~
1027	844	820	762 ✓	
1016	864	851	799 ✓	
1038	803	778	725 ✓	
1028	735	712	672 ✓	
981	226	~~230~~	—	

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1932phae.proj.120M

XJP-RH 411 - May 28, 1932

Strip	Star	Y	X	Defl	Defl	Cc.	Dk	Volts
	1	2261	677	1000	—	1602	542	
	2	—	—	1158	—	1602	543	
	3	—	—	1168	—	1562	543	
	4	—	—	1181	—	1604	543	
	5	—	—	1247	—	1082	541	
	6	—	—	1352	—	1564	547	
	7	—	—	1370	—	1592	544	
	8	—	—	1477	—	1583	548	

Plate finished

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1932phae.proj.126M

Cl.-Dk	Mean Dgl.-Dk	Red. Dgl.	Magn.	Remarks
1060	458	430	—	
1059	615	581	—	
1019	625	615	—	
1061	638	597	—	
1041	706	675	—	
1017	805	777	—	
1048	826	785	—	
1035	929	898	—	

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1932phae.proj.120M

DgP-RH #112- May 29, 1932.

Strip	Star		Y	X	Dyff	Dxff	Ce	Ck	Volts
	14		1915	819	737	—	1573	538	520
	1		2263	719	970	—	1568	542	
	2		—	—	1141	—	1088	543	
	3		—	—	1128	—	1508	551	
	4		—	—	1192	—	1577	553	
	5		—	—	1243	—	1582	558	
	6		—	—	1338	—	1597	566	
	7		—	—	1384	—	1608	562	
	8		—	—	1531	—	1604	568	
14.0	1	✓	1398	866	1408	1383	1593	568	
15.0	2	✓	1510	990	1511	1508	1612	578	
15.2	3	✓	1529	986	1484	1512	1613	572	
	4	✓	1520	1188	1323	1306	1612	578	
15.6	5	✓	1569	666	1428	1423	1620	591	
	6	✓	1563	729	1342	1352	1614	590	
	7	✓	1570	743	1502	1518	1623	593	
16.0	8	✓	1605	862	1334	1327	1619	602	
16.2	9	x	1622	338	1292	1292	1664	607	
16.4	10	✓	1649	530	1448	1457	1632	603	
	11	✓	1643	895	1517	1511	1633	600	
16.8	12	✓	1692	1211	1563	1562	1662	613	
17.0	13	✓	1710	674	1513	1523	1625	603	
	14	✓	1711	1210	1412	1410	1608	610	
17.2	15	✓	1719	864	1467	1437	1661	618	
	16	✓	1720	956	1398	1422	1640	612	
17.6	17	✓	1767	332	1458	1447	1694	623	
	18	✓	1760	432	1472	1442	1683	613	
	19	✓	1767	848	1537	1532	1663	619	
18.0	20	x	1803	541	622	612	1252	622	
18.2	21	✓	1820	811	1432	1423	1680	617	

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1932phae.proj.126M

Cl-Dk.	Mean Defl-Dk.	Red. Diff.	Magn.	Remarks
975	199	203	—	
1026	428	416	—	
1045	598	570	—	
1007	577	573	—	
1024	639	620		
1024	685	168	—	
1034	775	750	—	
1046	822	783	—	
1036	963	926	—	
1025	828	805	740 ✓	
1034	932	905	832 ✓	
1041	926	889	812 ✓	
1029	730	709	659 ✓	
1029	835	811	749 ✓	
1024	751	738	680 ✓	
1030	917	890	819 ✓	
1017	728	718	667 ✓	
1057	685	650	609 ✓	on circle.
1029	849	820	752 ✓	
1033	914	889	812 ✓	
1049	949	905	832 ✓	
1022	915	894	821 ✓	
1048	801	764	705 ✓	
1043	834	798	731 ✓	
1028	798	777	718 ✓	
1071	829	774	715 ✓	
1070	844	790	729 ✓	
1074	915	877	802 ✓	visible, but unmeasured on 3164
1030	—			x
1063	815	767	709 ✓	

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1932phae.proj.1208M

NGC RA 4112 – May 29, 1932.

Temp	Star	y	x	dyE	dyW	cc	dk	Ratio
18.4	22 ✓	1850	658	1377	1357	1647	622	
18.6	23 ✓	1872	361	1342	1318	1679	624	
	24 ✓	1858	380	1533	1530	1672	622	
	25 ✓	1860	932	1492	1483	1638	619	
19.2	26 ✓	1920	757	1442	1432	1668	622	
	27 ✓	1914	872	1531	1546	1682	631	
	28 ✓	1926	995	1580	1572	1693	618	
19.4	29 ✓	1947	847	1523	1523	1674	621	
	30 ✓	1947	976	1479	1444	1642	623	
	31 ✓	1940	1060	1583	1557	1677	620	
20.0	32 ✓	2010	935	1471	1442	1653	619	
20.2	33 ✓	2032	482	1573	1573	1703	629	
20.4	34 ✓	2040	1177	1543	1540	1682	637	
20.6	35 ✓	2063	913	1564	1568	1662	632	
	36 ✓	2059	1080	1570	1568	1679	630	
	37 ✓	2067	1238	1382	1368	1692	632	
	38 ✓	2061	1390	1550	1553	1717	633	
21.4	39 ✓	2145	697	1380	1387	1672	633	
21.8	40 ✓	2180	630	1532	1538	1676	633	
22.0	41 ✓	2200	343	1560	1552	1708	639	
	42 ✓	2216	607	1314	1290	1680	629	
	43 ✓	2210	627	1408	1420	1692	631	
	44 ✓	2200	1052	1430	1428	1682	632	020
	45 ✓	2204	1091	1570	1569	1681	635	
	1a	1915	819	873	—	1657	633	
	1	2263	719	1108	—	1672	633	
	2	—	—	1222	—	1696	631	
	3	—	—	1268	—	1649	627	
	4	—	—	1310	—	1672	623	
	5	—	—	1332	—	1679	620	

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1932phae.proj.126M

Q.-Dk.	Mean Defl.-Dk.	Red. Defl.	Magn.	Remarks
1025	745	726	672 ✓	
1055	706	668	622 ✓	
1050	910	868	797 ✓	
1019	869	851	781 ✓	
1046	815	778	719 ✓	
1051	907	860	788 ✓	
1075	958	891	820 ✓	
1053	902	859	787 ✓	
1019	839	823	755 ✓	
1057	910	861	791 ✓	
1034	837	811	748 ✓	
1074	944	878	802 ✓	
1045	905	865	792 ✓	
1030	934	907	832 ✓	
1049	939	891	820 ✓	
1060	743	701	652 ✓	
1084	919	846	774 ✓	
1039	725	699	650 ✓	
1048	902	862	792 ✓	
1069	917	858	787 ✓	
1051	673	641	602 ✓	
1061	783	737	680 ✓	
1050	797	758	699 ✓	
1046	935	891	820 ✓	
1024	240	233	—	
1039	475	457	—	
1065	591	550	—	
1022	641	626	—	
1049	687	658	—	
1059	712	672	—	

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1932phae.proj.120M

dJP-R4/4112 - May 29, 1932.

Strip	Star	y	x	dlyf	dlyf	cc	dk	Volts
	6	—	—	1450	—	1668	628	
	7	—	—	1453	—	1678	632	
	8	—	—	1611	—	1680	627	
	1A	1915	819	748	—	1492	533	
	1	2263	719	958	—	1552	533	525
	2	—	—	1127	—	1589	547	
	3	—	—	1163	—	1562	552	
	4	—	—	1183	—	1586	533	
	5	—	—	1254	—	1592	558	
	6	—	—	1331	—	1592	558	
	7	—	—	1363	—	1594	553	
	8	—	—	1523	—	1587	558	
22.4	46 ✓	2252	576	1491	1482	1591	569	
22.8	47 ✓	2288	390	1512	1488	1624	568	
	48 ✓	2289	515	1427	1445	1623	569	
	49 ✓	2284	736	1470	1479	1597	568	
23.0	50 ✓	2300	567	1297	1276	1622	582	
	51 ✓	2310	783	1432	1432	1598	572	
	52 ✓	2308	1079	1103	1127	1597	582	
23.2	53 ✓	2317	1189	1358	1342	1623	582	
23.4	54 ✓	2352	1127	1393	1408	1601	582	
23.6	55 ✓	2360	769	1412	1419	1600	592	
24.2	56 ✓	2433	828	1477	1462	1612	589	
24.8	57 ✓	2489	716	1470	1458	1638	586	
25.0	58 ✓	2503	821	1493	1492	1628	588	
	59 ✓	2502	855	1387	1393	1612	588	
	60 ✓	2507	903	1307	1292	1609	586	
	1A	1915	819	800	—	1587	595	
	1	2263	719	1032	—	1601	591	
	2	—	—	1218	—	1632	597	

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1932phae.proj.126M

Cl.-Dk.	Mean Defl.-Dk.	Rel. Defl.	Magn.	Remarks
1040	822	790	—	
1046	821	781	—	
1053	984	935	—	
959	245	225	—	
1019	425	418	—	
1042	580	554	—	
1010	601	593	—	
1033	630	611	—	
1034	896	673	—	
1034	773	751	—	
1041	810	777	—	
1029	965	935	—	
1022	917	891	808 ✓	
1056	932	883	802 ✓	on circle
1054	867	820	759 ✓	
1029	906	880	799 ✓	
1040	704	675	641 ✓	
1026	860	837	770 ✓	
1015	533	522	510 ✓	
1051	768	730	689 ✓	
1018	818	804	746 ✓	visible, but ~~measured on 316 &~~
1008	824	813	752 ✓	
1023	881	862	790 ✓	
1055	881	837	770 ✓	
1040	904	870	793 ✓	~~visible, but measured on 3164~~
1024	802	783	731 ✓	
1026	717	698	659 ✓	
992	205	207	—	
1010	441	437	—	
1035	621	602	—	

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1932phae.proj.120M

Trip.	Star	y	x	Hyl.	Hyl.	Ca	Ac	Volts	
Plate	3	—	—	1263	—	1602	592		
finished	4	—	—	1263	—	1611	592		
	5	—	—	1294	—	1643	593		
	6	—	—	1387	—	1627	590		
	7	—	—	1343	—	1628	596	575	
	8	—	—	1572	/	1614	593		

Plate logged m.m. — R H 4078 — may 29, 1932

	15	1907	825	689	—	935	562	5.25
	1	2211	632	782	—	970	566	
	2	—	—	759	—	845	568	
	3	—	—	831	—	932	578	
	4	—	—	862	—	972	568	
	5	—	—	872	—	943	570	
	6	—	—	888	—	948	578	
	7	—	—	918	—	958	573	
	8	—	—	932	—	958	573	
14.0	15 ✓	1409	832	862	855	912	581	
15.2	1 ✓	1531	1156	810	810	879	582	
	2 ✓	1530	1203	813	827	860	577	
15.6	3 ✓	1579	699	860	851	922	573	
16.0	4 ✓	1618	831	852	854	929	588	
16.6	5 ✓	1662	500	887	898	957	578	
	6 ✓	1658	864	881	891	928	581	
17.2	7 ✓	1722	642	902	912	941	581	
	8 ✓	1730	835	870	881	940	586	
	9 ✓	1730	925	871	880	921	580	
	10 ✓	1723	1179	836	843	890	582	
17.6	11 ✓	1775	402	905	897	872 (9?)	580	
17.8	12 ✓	1782	301	908	910	978	582	
	13	1779	818	900	900	928	591	

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1932phae.proj.129M

Cl.-Dk.	Mean Defl.-Dk	Red. Defl.	Magn.	Remarks
1010	611	603	—	
1019	671	659	—	
1050	701	669	—	
1037	797	770	—	
1030	800	778	—	
1021	999	953	—	
363	127	352	—	
404	216	533	—	
277	191	686	—	Note: Cl. readings for 2 have variations
364	263	726	—	both in opening and closing sequences.
404	294	729	—	
373	302	803	—	
370	310	838	—	
385	345	898	—	
385	359	931	—	
331	277	840	672 ✓	
297	228	770	596 ✓	
283	243	851	683 ✓	
349	283	804	633 ✓	
341	245	719	544 ✓	
373	314	840	672 ✓	
347	305	878	715 ✓	
360	326	903	742 ✓	
354	290	820	649 ✓	
341	296	867	701 ✓	
308	258	840	671 ✓	
292	321	819 1101	646 ✓	
396	321	821	650 ✓	
337	309	919	761 ✗	visible, but unmeasured on 3 164

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1932phae.proj.120M

M.m—RH 4078— May 29, 1932

Trip	Star	Y	X	deff	deff	cc	dk	Volts
18.0	14	1810	636	918	921	934	592	
18.2	15	1831	782	889	900	945	592	
18.6	16	1874	351	952	942	993	590	
	17	1861	629	887	882	952	584	
	18	1875	901	910	912	948	580	
18.8	19	1889	331	881	893	987	588	
19.2	20	1932	728	907	912	958	588	
	21	1929	769	930	927	958	585	
	22	1928	842	922	920	952	588	
19.4	23	1957	1334	873	867	900	592	
19.6	24	1958	945	917	922	956	598	
19.8	25	1990	491	978	981	1020	597	
20.4	26	2050	454	982	981	1022	606	
20.6	27	2069	1052	952	958	989	604	
	28	2072	1306	921	922	952	602	
20.8	29	2090	519	981	990	1018	612	
	30	2079	1209	900	898	962	608	
21.4	31	2150	353	995	1000	1026	606	
21.6	32	2160	668	916	912	998	608	
22.0	33	2218	317	982	979	1018	618	
	34	2211	1025	932	932	992	610	
22.2	35	2228	578	892	898	1008	608	
	36	2223	600	928	928	1002	606	
23.0	37	2302	488	972	964	1009	612	
	38	2317	922	912	921	1009	603	
23.2	39	2316	539	919	913	1010	611	
	40	2324	758	963	954	994	603	
	41	2320	1052	867	861	972	602	
	42	2329	1162	903	902	963	598	
23.6	43	2371	895	962	968	1000	602	

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1932phae.proj.126M

Ch-Dk	Mean Dopp-Dk	Red. Dopp.	Magn.	Remarks
342	328	962	830	x
453	303	668	510	✓
403	357	890	730	✓
368	300	815	642	✓
368	331	899	737	✓
399	299	749	573	✓
370	322	865	702	✓
373	343	921	769	✓
364	333	918	760	✓
308	278	900	740	✓
358	322	898	739	✓
423	383	904	748	✓
416	376	900	740	✓
385	351	912	754	✓
350	320	906	745	✓
406	374	924	772	✓
354	291	822	651	✓
420	392	931	782	✓
390	306	782	610	✓
408	370	905	746	✓
382	322	842	673	✓
400	287	719	546	✓
396	322	812	641	✓
387	356	921	770	✓
406	313	772	600	x
399	305	764	593	✓
391	355	908	749	✓
370	262	707	536	✓
365	304	832	662	✓
398	369	911	753	~~visible, last~~ ~~measured in 1964~~

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1932phae.proj.12pM

2 Gp - R Z 4078 - May 29, 1932.

Strip	Star	y	x	Diff	Dyl	Ce	Dk	Volts
	44 K	2367	1098	928	928	976	598	
23.8	45 K	2379	749	952	948	1001	600	
24.4	46 ✓	2449	800	979	970	1007	600	
25.0	47 ✓	2501	689	976	973	1017	607	
26.2	48 ✓	2578	829	977	968	1023	599	
	10	1907	825	733	—	944	600	515
	1	2211	632	829	—	982	608	
Rule	2	—	—	780	—	858	599	
Lundahl	3	—	—	868	—	948	600	
	4	—	—	900	—	978	599	
	5	—	—	887	—	963	598	
	6	—	—	903	—	972	592	
	7	—	—	917	—	972	597	
	8	—	—	970	—	953	583	

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1932phae.proj.120M

Ce.-Dk	Mean Deff-Dk.	Red. Deff	Magn.	Remarks
378	330	870	707	~~visible, but unmeasured on 3464~~
401	350	874	712	visible, but unmeasured on 3164
407	374	921	770	✓
410	367	893	733	✓
424	373	875	712	✓
344	133	388	—	
374	221	591	—	
259	181	699	—	
348	268	769	—	
374	301	802	—	
355	289	814	—	
350	311	889	—	
375	320	852	—	
360	347	969	—	

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1932phae.proj.124M

α Lyr - R.A. 3528 - May 31, 1932

Trip	Star		y	x	Dyll	Dyll	Cc	Dk	Volts
	1A		1919	849	632	—	1813	523	525
	1		2259	721	1003	—	1911	521	
	2		—	—	1100	—	1938	532	
	3		—	—	1202	—	1927	538	
	4		—	—	1191	—	1943	538	
	5		—	—	1264	—	1930	538	
	6		—	—	1479	—	1948	542	
	7		—	—	1488	—	1953	544	
	8		—	—	1763	—	1937	543	
15.2	1	*	1510	916	1814	1768	1869	553	
	2	✓	1520	922	1718	1678	1898	554	
15.4	3	✓	1547	721	1741	1712	1908	558	
	4	✓	1544	782	1703	1718	1902	552	
15.6	5	✓	1566	619	1742	1712	1911	558	
15.8	6	✓	1590	818	1760	1714	1923	562	
	7	✓	1589	1027	1641	1632	1923	563	
16.0	8	✓	1607	1070	1809	1828	1917	561	
16.4	9	✓	1600	868	1823	1820	1941	569	
	10	✓	1632	888	1787	1781	1932	568	
	11	✓	1641	983	1442	1456	1933	562	
	12	✓	1640	1043	1718	1692	1939	569	
16.8	13	✓	1680	1178	1788	1758	1938	568	
17.0	14	✓	1704	686	1813	1782	1953	572	
	15	✓	1704	803	1764	1763	1947	570	
17.2	16	✓	1727	1018	921	822	1872	572	
17.6	17	✓	1760	470	1777	1731	1972	577	
17.8	18	✓	1788	1127	1772	1732	1992	579	
18.0	19	*	1802	769	1829	1792	1987	583	
	20	✓	1807	872	1772	1768	1992	583	
	21	✓	1813	1349	1708	1728	1972	582	

*- Plan stars tracked - suggest consulting Miss Payne about

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1932phae.proj.125M

Cl–Dk.	Mean Diff.–Dk.	Red. Diff	Magn.	Remarks
1290	109	85	—	
1390	482	346	—	
1406	568	403	—	
1389	664	478	—	
1405	653	463	—	
1392	726	523	—	
1406	937	665	—	
1409	944	670	—	
1394	1220	875	—	
1316	1238	942	off curve +	
1344	1144	853	842	
1350	1168	867	849	
1350	1184	878	off curve (855)	
1353	1169	868	855	
1361	1170	861	847	
1360	1173	862	847	
1356	1357	999	off curve	
1372	1253	913	off curve	
1364	1216	888	off curve	
1371	887	648	728	
1370	1136	828	827	
1370	1205	880	off curve	
1381	1226	889	off curve	
1377	1194	869	off curve	
1300	300	232	430	
1395	977	699	757	
1413	1173	830	829	K ~~double, but unmeasurable on 3829~~
1404	1227	873	off curve	
1409	1187	842	837	
1390	1166	842	835	

reliability of measures — K.L.P.

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1932phae.proj.126M

2yp-CH3828- May 30, 1932.

Strip	Star	Y	X	Dyf	Dyf	cc	Dk	Volts
18.2	22 ✓	1824	489	1828	1792	2002	083	
	23 ✓	1830	1212	1511	1488	1990	093	
	24 ✓	1829	1271	1513	1504	1982	600	
18.4	25 ✓	1850	620	1833	1858	2000	593	
	26 ✓	1839	1002	1826	1784	1973	593	
18.6	27 ✓	1869	1077	1863	1813	1972	593	
19.0	28 ✓	1910	652	1697	1679	1982	600	
	29 ✓	1900	1055	1720	1643	1967	598	
19.2	30 ✓	1925	522	1596	1588	2000	601	
	31 ✓	1920	722	1703	1692	2000	600	
	32 ✓	1920	761	1760	1728	1982	595	
	33 ✓	1923	941	1832	1768	2012	600	
19.6	34 ✓	1965	660	1848	1813	2010	094	
	35 ✓	1955	1184	1864	1816	1993	601	
	36 ✓	1961	1354	1740	1721	1982	602	
19.8	37 ✓	1991	1284	1232	1249	1969	603	
21.0	38 ✓	2007	794	1639	1638	1998	602	
	39 ✓	2000	1307	1768	1777	1987	604	
20.2	40 ✓	2021	712	1723	1742	2017	609	
	41 ✓	2024	1287	882	893	1986	608	030
	P.E.M.							
	42 ✓	2036	341	1687	1669	2030	602	5.41
20.4	43 ✓	2046	500	1642	1620	2032	601	
	44 ✓	2042	808	1758	1723	2003	598	
	45 ✓	2058	409	1402	1369	2017	599	
20.6	46 ✓	2062	1057	1458	1446	1997	602	
	47 ✓	2073	562	1722	1709	2020	603	
20.8	48 ✓	2083	593	1589	1586	2005	605	
	49 ✓	2085	1437	1810	1797	1982	605	
	50 ✓	2097	1095	1422	1397	2000	602	
21.0	51 ✓	2100	633	1798	1763	2001	607	5.40

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1932phae.proj.126M

Cl.-Dk.	Mean Diff.-Dk.	Red. Diff.	Magn.	Remarks
1419	1227	865	849	
1397	907	650	731	
1382	908	653	732	
1407	1253	889	off curve	
1380	1211	866	849	
1379	1275	908	off curve	
1382	1088	785	803	
1369	1084	812	820	
1399	991	712	716	
1400	1098	780	802	
1387	1149	828	828	
1412	1200	850	841	
1416	1234	869	850	
1392	1239	890	off curve	
1380	1128	818	820	
1366	637	465	611	
1396	1036	740	782	
1383	1168	843	835	X visible, last measured on 3819
1408	1149	818	820	
1325	250	189	384	
1428	1076	750	784	
1431	1030	718	770	
1405	1142	812	820	
1418	787	555	673	
1395	850	610	708	
1417	1113	787	805	
1400	983	705	761	
1377	1199	870	off curve (857)	
1398	808	580	699	
1394	1173	840	833	

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1932phae.proj.128M

P. S. R. – R. A. 3828 – May 30, 1932

Strip	Star	y	x	Diff.	Diff.	Cl.	Lk.	Volts
21.0 (Cont.)	52	2118	815	1680	1668	1970	600	5.40
	53	2119	1078	1592	1573	1978	602	
21.2	54	2135	640	1365	1318	1993	603	
21.4	55	2150	845	1399	1386	1984	598	
	56	2141	1166	1403	1342	1978	596	
21.6	57	2164	1137	1648	1647	1975	597	
	58	2170	987	1703	1666	1987	608	
	59	2176	1192	1764	1756	1974	597	
21.8	60	2196	1051	1598	1563	1976	604	
22.0	61	2206	265	1733	1736	1976	602	
	62	2208	916	1171	1120	1982	598	
	63	2212	1217	1635	1572	1963	603	
22.2	64	2223	1287	1780	1756	1983	604	
	15	1918	850	713	—	1961	600	
	1	2259	721	903	—	1960	596	
	2	—	—	1050	—	1963	598	
	3	—	—	1150	—	1970	598	
	4	—	—	1163	—	1962	606	
	5	—	—	1324	—	1973	605	
	6	—	—	1426	—	1973	599	
	7	—	—	1486	—	1964	603	
	8	—	—	1710	—	1953	602	5.38
22.6	65	2268	621	1772	1747	1972	606	
	66	2272	817	1663	1651	1963	609	
	67	2264	955	1841	1861	1958	620	
	68	2269	1274	1866	1875	1968	622	
22.8	69	2298	1133	1822	1801	1986	628	
23.0	70	2310	371	1422	1399	1979	613	
	71	2310	405	1791	1708	1982	619	
	72	2305	408	1862	1852	1990	618	

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1932phae.proj.126M

Cl.-Dk.	Mean Defl.-Dk.	Red. Defl.	Magn.	Remarks
1370	1074	788	805	
1376	980	712	765	
1390	739	530	656	
1386	794	573	682	
1382	776	561	678	
1378	1051	765	792	
1379	1076	779	800	
1377	1163	849	839	
1372	976	712	769	
1374	1132	828	827	outside circle
1384	548	395	562	
1360	1001	737	779	
1379	1164	843	836	
1361	113	83	—	
1364	307	225	—	
1365	452	331	—	
1372	552	403	—	
1356	557	410	—	
1368	719	523	—	
1374	827	602	—	
1361	883	649	—	
1351	1108	822	—	
1366	1148	841	849	
1354	1048	773	790	
1338	1191	888	off curve	invisible, not measured on 3829.
1346	1248	928	off curve	
1358	1184	872	off curve	
1366	1197	872	off curve	outside circle
1363	1101	810	818	
1372	1239	900	off curve	invisible, not measured on 3829

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1932phae.proj.1206M

m.m. – RH 3828 – May 30, 1932.

Strip	Star	y	x	Dyll.	Dxll.	α.	Dt.	volt.
	73	2382	690	1800	1778	1978	618	
23.2	74	2326	351	1742	1678	1988	613	
	75	2336	480	1728	1710	1960	622	
	76	2329	844	1822	1817	1974	622	
	77	2322	1221	1369	1301	1962	629	
	78	2332	1222	1856	1802	1953	617	
23.4	79	2352	310	1548	1526	1991	621	
	80	2350	547	1552	1472	1952	622	
	81	2349	1049	1701	1638	1956	626	
	83	2349	1208	812	856	1955	619	
	82	2359	1206	1272	1342	1978	628	
23.6	84	2358	400	1670	1680	1985	626	
	85	2376	560	851	831	1967	619	
	86	2363	592	1515	1492	1972	613	
	87	2378	1105	1802	1798	1959	622	
23.8	88	2382	669	1871	1778	1958	613	
	89	2395	898	1762	1734	1958	624	
	90	2389	1080	1722	1728	1952	619	
	91	2393	1169	1857	1789	1942	621	5.38
	92	2391	1231	1812	1799	1932	616	
24.0	93	2407	394	1837	1823	1952	612	
	94	2398	798	1758	1782	1931	610	
	95	2411	1102	1785	1752	1939	618	
24.2	96	2431	689	1066	1041	1953	611	
	97	2432	836	1822	1808	1932	612	
	98	2428	1035	1628	1610	1925	615	
24.4	99	2452	570	1758	1730	1953	618	
	100	2445	621	1528	1518	1931	610	
	101	2447	652	1448	1386	1942	602	
	102	2452	757	1479	1477	1958	622	

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1932phae.proj.126M

Cl.–Dk	Mean Dyff–Dk.	Rel. Dyff	Magn.	Remarks
1360	1171	863	off curve	
1375	1097	798	805 X	outside circle
1338	1097	819	822	
1352	1198	880	off curve	
1339	706	529	621	
1336	1212	908	off curve X	visible, but unmeasured on 3829.
1370	916	668	710 X	outside circle
1330	790	592	663	
1330	1052	790	800	
1336	215	160	361	
1350	679	502	610	
1359	1049	772	789 X	on circle
1348	222	165	365	
1359	891	659	702	
1337	1178	880	off curve X	visible, but unmeasured on 3829
1345				
1337	1127	843	850	
1333	1106	832	841	
1321	1208	916	off curve	
1316	1190	903	off curve X	visible, but unmeasured on 3829
1340	1218	910	off curve	
1321	1160	878	off curve	
1321	1150	868	off curve	
1342	455	337	509	
1320	803	609	670 X	visible, but unmeasured on 3829.
1310	1004	770	786	
1337	1126	843	850 X	visible, but unmeasured on 3829.
1321	913	690	727	
1340	815	608	670	
1336	856	642	693	

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1932phae.proj.12pM

m. m. — RH3828 — May 30, 1932.

Strip	Star	y	x	Defl.	Defl.	Cl.	Dk.	volt.
	103	2446	859	1689	1658	1896	615	
	104	2440	938	1807	1794	1910	605	
	105	2444	1210	1788	1790	1919	608	
	106	2440	1258	1752	1709	1912	612	
24.6	107	2468	802	1645	1836	1922	612	
	108	2471	1254	1532	1558	1914	608	
24.8	109	2499	698	1775	1746	1962	612	
25.0	110	2511	951	1841	1865	1942	616	
	111	2509	1214	1740	1709	1929	618	
25.2	112	2525	1202	1711	1715	1952	615	
	113	2530	1203	1452	1392	1948	610	
25.4	114	2550	925	1656	1662	1944	608	
25.8	115	2580	709	1227	1196	1922	608	
	116	2580	777	1778	1772	1938	608	
	117	2597	850	1868	1702	1938	612	
21.0	118	2600	1140	1552	1549	1940	616	
	b	1918	850	700	—	1952	604	
Plate fogged	1	2259	721	962	—	1961	608	
	2	—	—	1112	—	1943	610	
	3	—	—	1238	—	1935	608	
	4	—	—	1302	—	1942	610	
	5	—	—	1382	—	1928	610	
	6	—	—	1578	—	1952	612	
	7	—	—	1522	—	1964	618	
	8	—	—	1710	—	1948	610	5.36

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1932phae.proj.126M

Ch.-Dk.	Mean Defl.-Dk.	Red. Defl.	Magn.	Remarks
1281	1059	821	830	
1305	1195	912	off curve	
1311	1181	901	off curve	outside circle
1300	1118	860	off curve	" " "
1310	1228	936	off curve	visible, not measured on 3829
1306	937	719	748	outside circle.
1350	1148	849	off curve	visible, not measured
1326	1237	930	off curve	on 3829.
1311	1106	844	850	outside circle
1337	1098	820	827	"
1338	810	606	671	"
1336	1051	788	799	on circle
1314	606	466	589	outside circle
1330	1167	876	off curve	" "
1326				" "
1324	934	706	739	" "
1348	96	71	—	
1353	354	261	—	
1333	502	376	—	
1327	630	470	—	
1332	692	520	—	
1318	772	585	—	
1340	906	677	—	
1346	904	672	—	
1338	1100	818	—	

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1932phae.proj.12pM

XJP - RX 3829 - May 20, 1932.

trip	star	y	x	dyf	dyf cc	dk	volts
	1A	1920	769	767	—	1788	584	530
	1	2263	654	1069	—	1870	582	
	2	—	—	1243	—	1892	591	
	3	—	—	1329	—	1892	594	
	4	—	—	1349	—	1907	600	
	5	—	—	1452	—	1878	600	
	6	—	—	1507	—	1908	602	
	7	—	—	1590	—	1927	608	
	8	—	—	1693	—	1903	607	
14.2	✓1 ✓	1421	844	1724	1738	1894	618	
14.4	✓2 ✓	1447	517	1773	1742	1886	612	
14.6	✓3 ✓	1462	793	1773	1763	1874	613	
14.8	✓4 ✓	1480	559	1798	1793	1884	612	
15.2	✓5 ✓	1523	522	1694	1682	1878	618	
	✓6 ✓	1538	627	1673	1649	1858	613	
	✓7 ✓	1538	689	1661	1680	1857	616	
	✓8 ✓	1521	819	1678	1623	1863	623	
15.6	✓9 ✓	1557	524	1692	1690	1872	624	
15.8	✓10 ✓	1581	723	1684	1719	1880	628	
	✓11 ✓	1580	932	1599	1562	1872	627	
16.0	✓12 ✓	1610	479	1782	1760	1881	632	
	✓13 ✓	1598	889	1767	1753	1883	630	
	✓14 ✓	1600	974	1770	1778	1892	632	
16.2	✓15 ✓	1630	361	1738	1732	1881	634	
	✓16 ✓	1626	792	1763	1748	1887	632	
	✓17 ✓	1636	889	1779	1776	1902	633	
	✓18 ✓	1631	1000	1692	1700	1903	634	
16.4	✓19 ✓	1641	775	1768	1769	1902	642	
16.6	✓20 ✓	1662	999	1799	1812	1907	640	
	✓21 ✓	1674	1083	1737	1733	1908	633	

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1932phae.proj.126M

Cl.-Dk.	Mean Defl.-Dk	Red. Defl.	Magn.	Remarks
1204	183	153	—	
1288	487	378	—	
1301	652	500	—	
1348	731	542	—	
1307	749	568	—	
1278	852	667	—	
1306	905	692	—	
1319	982	745	—	
1293	1086	843	—	
1276	1113	870	850	
1274	1146	900	off curve	
1261	1155	912	off curve	
1262	1084	860	838	
1260	1070	848	820	
1245	1048	842	820	
1241	1054	847	820	
1240	1027	830	804	
1248	1067	858	830	
1252	1074	858	830	
1245	953	766	742	
1248	1139	910	off curve	
1253	1130	902	off curve	
1260	1142	910	off curve	
1197	1098	918	off curve	
1255	1118	890	off curve	
1269	865	682	674	
1269	1062	838	810	
1260	1126	898	off curve	
1267	1166	923	off curve	
1275	1102	865	842	

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1932phae.proj.120M

XGP-PH 0809- May 30, 1932.

Strip	Star	Y	X	Dyf	Dyf	cc	dk	Volts	
16.8	22	1697	258	1530	1514	1867	632		
	23	1698	710	1722	1713	1846	629		
	24	1681	932	1778	1788	1903	638		
17.0	25	1705	543	1804	1782	1883	648		
	26	1698	590	1712	1728	1852	641		
	27	1698	710	1700	1710	1872	637		
	28	1708	985	1811	1826	1918	642		
	29	1710	1049	1759	1770	1918	642		
17.2	30	1731	279	1783	1766	1913	642		
	31	1729	926	942	933	1943	647		
17.4	32	1763	377	1789	1712	1917	637		
	33	1751	1191	1813	1808	1927	640		
	34	1736	1208	1783	1780	1942	653		
17.8	35	1780	282	1826	1838	1921	648		
	36	1790	206	1836	1782	1900	647		
	37	1796	680	1769	1764	1892	643		
	38	1795	673	1760	1763	1898	638		
	39	1778	1020	1806	1819	1923	640		
	40	1750	1082	1718	1713	1912	641		
	41	1791	1163	1786	1778	1929	640		
18.0	42	1817	397	1702	1716	1890	643		
	43	1800	778	1693	1715	1902	640		
	44	1808	1253	1667	1677	1932	642		
	45	1810	1313	1808	1814	1927	641		
18.2	46	1828	360	1822	1813	1927	642		
	47	1828	458	1848	1822	1919	637		
	48	1831	908	1722	1752	1910	648		
	49	1821	1118	1541	1520	1921	632		
	50	1820	1177	1522	1503	1912	638		5.30
18.4	Mn. 51	1835	208	1790	1825	1938	647		

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1932phae.proj.1296M

Cl.–Dk.	Mean Defl.–Dk.	Red. Defl.	Magn.	Remarks
1235	896	720	705	
1247	1089	872	off curve	
1265	1145	910	off curve	
1240	1150	930	off curve	
1211	1079	890	off curve	
1235	1068	864	842	
1276	1175	920	off curve	
1276	1122	880	off curve	
1251	1131	904	off curve	
1296 1096 ?	291	224 265	~~342~~ 380	
1280	1085	849	820	
1287	1170	911	off curve	
1289	1129	878	off curve	
1278	1187	930	off curve	
1253	1162	930	off curve	
1249	1121	900	off curve	
1260	1124	892	off curve	
1283	1171	912	off curve	
1271	1075	843	821	
1289	1142	886	off curve	
1247	1066	853	830	
1262	1064	842	820	
1290	1030	801	780	
1286	1170	912	off curve	
1285	1176	912	off curve	
1282	1198	930	off curve	
1262	1089	863	841	
1289	888	689	680	
1274	874	688	678	
1291	1158	898	off curve	

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1932phae.proj.12pM

m. m. – RH 3829 – May 30, 1932

Strip	Star	y	x	Diff	Diff	Cc	Dk	Volts
	52	1848	475	1810	1831	1932	643	
	53	1840	525	1789	1808	1941	649	
	54	1845	1300	1858	1849	1957	648	
18.6	55	1875	229	1852	1869	1945	648	
	56	1859	381	1858	1888	1958	647	
	57	1875	581	1810	1765	1934	648	
	58	1860	843	1767	1772	1932	649	
	59	1860	982	1762	1752	1923	648	
	60	1863	1015	1753	1762	1932	652	
	61	1860	1353	1867	1891	1956	656	
18.8	62	1898	529	1802	1820	1949	658	
	63	1884	532	1799	1825	1952	648	
	64	1896	535	1818	1823	1952	649	
	65	1882	896	1809	1819	1955	646	
	66	1887	932	1808	1819	1957	648	
	67	1889	960	1662	reg. no. village	1928	644	
19.0	68	1918	428	1534	1550	1940	648	
	69	1900	455	1652	1692	1952	647	
	70	1910	512	1779	1820	1938	649	
	71	1918	668	1659	1702	1928	648	
	72	1909	1371	1852	1918	1959	647	
	5	1920	769	807	—	1892	642	
	1	2263	654	1052	—	1918	647	
	2	—	—	1282	—	1946	642	
	3	—	—	1368	—	1936	647	
	4	—	—	1362	—	1931	649	
	5	—	—	1472	—	1901	643	
	6	—	—	1557	—	1945	651	
	7	—	—	1622	—	1941	647	
	8	—	—	1742	—	1922	651	5.28

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1932phae.proj.1208M

Cl-Dk.	Mean Defl.-Dk.	Red. Defl.	Magn. Remarks
1289	1177	910	off curve
1292	1149	892	off curve
1309	1206	921	off curve
1297	1212	933	off curve
1311	1226	933	off curve
1286	1140	882	off curve
1283	1121	873.	off curve (852)
1275	1109	869	848
1280	1106	868	849
1300	1233	948	off curve
1291	1153	898	off curve
1304	1164	893	off curve
1303	1171	896	off curve
1309	1168	893	off curve
1303	1166	892	off curve
1284	1018	790	766
1292	894	692	680
1305	1025	782	760
1289	1151	888	off curve
1280	1032	805	780
1312	1238	940	off curve (outside circle)
1250	165	132	—
1271	405	318	—
1304	640	490	—
1289	721	560	—
1282	713	558	—
1258	829	657	—
1294	906	700	—
1294	975	753	—
1271	1091	858	

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1932phae.proj.120M

XJP - RA 3829 - May 31, 1932.

Strip	Star	y	x	dlpl	dlyl	cc	xdk	Talk
	1A	1920	799	820	—	1897	693	520
	1	2263	683	1173	—	1983	638	
	2	—	—	1383	—	1990	642	
	3	—	—	1343	—	1993	651	
	4	—	—	1462	—	1998	648	
	5	—	—	1568	—	1962	651	
	6	—	—	1636	—	2023	648	
	7	—	—	1643	—	2010	652	
	8	—	—	1793	—	1992	657	
19.2	73	1917	457	1643	1637	1978	659	
	74	1922	657	1712	1772	1983	658	
	75	1928	877	1794	1803	2004	643	
19.4	76	1905	737	1883	1807	2010	661	
	77	1900	1119	1868	1863	2010	664	
	78	1905	1288	1761	1743	2029	672	
19.6	79	1909	696	1883	1799	1997	672	
	80 (same as 16)	1905	1288	1752	1763	2033	669	
19.8	81	1982	1218	1265	1199	2017	677	
	82	1980	1376	1672	1683	2028	676	
	83	1996	1373	1778	1794	2037	677	
20.0	84	2000	728	1650	1607	2009	678	
20.2	85	2029	277	1708	1718	2032	682	
	86	2013	649	1793	1764	2019	686	
	87	2000	728	1653	1642	2019	678	
	88	2037	743	1812	1811	2023	682	
	89	2019	1221	912	889	1931	678	
	90	2022	1379	1869	1861	2032	683	
20.4	91	2007	939	1487	1493	2041	682	
	92	2039	463	1762	1702	2022	688	
	93	2054	991	1643	1572	2036	689	

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1932phae.proj.1264M

Cl.–Dk.	Defl–Dk.	Red Defl	Magn.	Remarks
1264	181	148	—	
1345	535	398	—	
1348	741	550	—	
1342	742	553	—	
1345	814	604	—	
1311	917	698	—	
1375	990	721		
1358	991	730	—	
1335	1136	850	—	
1319	981	746	730	
1325	1084	820	802	
1341	1135	843	831	
1339	1206	902	off curve	
1346	1202	899	off curve	Dk. 564 or 664?
1357	1080	798	779	
1325	1129	852	842	
1364	1083	792	775	same as 75
1340	555	413	470	
1355	1005	745	730	
1360	1109	818	800	
1331	950	715	704	
1350	1031	765	749	
1326	1095	820	802	
1341	970	720	708	same as 84
1341	1130	839	825	
1253? 1353?	222	164 178	279 307	Cl. 1931 or 2031?
1349	1182	877	off curve	
1359	808	595	598	
1334	1014	758	740	
1347	903	670	660	

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1932phae.proj.124M

Dyf - RA 0829 - May 01, 1932

Strip	Star	y	x	Dyf	Dyf	cc	Dx	Volts
	94	2057	1388	1966	1938	2056	687	
20.6	95	2065	497	1813	1811	2063	689	
	96	2075	528	1709	1663	2024	688	
	97	2070	1219	1900	1899	2019	692	
20.8	98	2092	568	1847	1848	2030	699	
	99	2090	1030	1531	1537	2029	694	
	100	2080	1371	1963	1881	2040	699	
21.0	101	2090	727	1863	1848	2028	706	
	~~102~~	~~2090~~	~~1030~~	~~1526~~	~~1500~~	~~2026~~	~~701~~	
	103	2110	757	1788	1788	2063	706	
	104	2111	1063	1763	1757	2043	707	
21.2	105	2129	573	1492	1522	2038	709	
	106	2126	1100	1543	1538	2043	701	
21.4	107	2130	947	1963	1878	2058	709	
	108	2128	574	1483	1520	2042	704	
	109	2141	779	1562	1581	2019	707	
	110	2154	802	1800	1853	2058	705	
21.6	111	2161	926	1763	1789	2042	717	
	112	2158	1071	1808	1758	2068	711	
	113	2170	1127	1842	1842	2062	710	
	114	2161	1254	1903	1912	2053	708	
	10	1920	799	898	—	1951	712	
	1	2263	683	1177	—	2026	712	590
	2	—	—	1400	—	2049	713	
	3	—	—	1468	—	2025	711	
	4	—	—	1009	—	2047	712	
	5	—	—	1624	—	2004	717	
	6	—	—	1653	—	2037	718	
	7	—	—	1701	—	2047	721	
	8	—	—	1823	—	2042	707	

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1932phae.proj.126M

Cl.-Dk.	Mean Defl.-Dk.	Red. Defl.	Magn.	Remarks
1366	1249	915	off curve	
1364	1123	822	806	
1336	998	748	730	
1327	1208	915	off curve	
1331	1149	865	858	
1335	850	637	634	
1341	1293	968	off curve	
1325	1153	869	861	
1350	1085	806	789	
1336	1058	785	769	
1329	798	599	600	
1342	839	622	624	
1349	1187	952	off curve	
1338	798	597	600	same as 105
1312	865	661	652	
1353	1147	851	842	
1325	1059	795	778	
1357	1172	865	off curve	
1352	1132	837	822	
1345	1200	890	off curve	
1239	186	152	—	
1311	465	355	—	
1336	687	513	—	
1314	757	570	—	
1335	797	598	—	
1287	907	703	—	
1319	935	712	—	
1326	980	740	—	
1335	1116	837	—	

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1932phae.proj.1211M

P.S.R. – R.H. 3829 – May 31, 1932

Strip	Star	Y	X	Dyll	Dyll	Cc	Dk	Volts
	15	1920	798	778	—	1973	648	5,31
	1	2264	684	1037	—	1975	652	
	2	—	—	1317	—	1993	654	
	3	—	—	1420	—	1984	658	
	4	—	—	1333	—	1956	653	
	5	—	—	1484	—	1972	654	
read in reverse order	6	—	—	1554	—	1977	666	
	7	—	—	1573	—	1966	658	
	8	—	—	1772	—	1964	664	
21.8	115	2189	986	1616	1636	2008	669	
22.0	116	2201	304	1800	1823	1979	673	
	117	2200	850	1232	1198	1967	672	
	118	2204	1152	1626	1630	1993	670	
	119	2211	1173	1723	1717	1992	672	
	120	2217	1220	1745	1750	1994	678	Galvanometer jumpy
22.2	121	2221	357	1815	1828	1992	677	
	122	2231	759	1806	1820	1987	683	
22.4	123	2259	555	1783	1777	1975	684	
	124	2258	888	1826	1807	1989	680	
22.6	125	2260	640	1818	1820	1963	685	
	126	2264	751	1713	1710	1980	683	
22.8	127	2296	623	1767	1757	1988	683	
	128	2290	1066	1766	1738	1977	681	
23.0	129	2302	337	1702	1738	1997	678	
	130	2314	1155	1325	1329	1980	684	
23.2	131	2327	413	1738	1756	1990	691	
	132	2322	777	1839	1817	1962	688	
	133	2339	480	1564	1557	1966	687	
23.4	134	2343	974	1626	1642	1978	690	
	135	2342	1141	868	853	1978	684	5.29

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1932phae.proj.126M

Cl.-Dk.	Mean Dyff.-Dk.	Red. Dyff.	Magn.	Remarks
1325	130	113	—	
1323	385	290	—	
1339	653	600	—	
1326	762	637	—	
1303	680	522	—	
1318	830	628	—	
reversed 1309	945	698	—	
1311	888	677	—	
1300	1108	853	—	
1339	951	716	719	
1306	1139	870	off curve	
1295	543	420	492	
1323	958	721	725	
1320	1048	796	820	
1316	1070	814	848	
1315	1145	872	off curve	
1304	1130	865	off curve	
1291	1196	928	off curve	
1309	1136	868	off curve	
1278	1134	888	off curve	
1297	1029	796	821	
1305	1069	820	850	
1296	1071	825	off curve	
1319	1042	790	812	
1296	643	496	537	
1299	1056	810	839	
1274	1140	892	off curve	
1279	873	683	685	
1288	944	731	740	
1294	176	136	279	

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1932phae.proj.1206M

P. S. R. – R. A. 3829 – May 31, 1932

Strip	Star	y	x	Diff.	Diff.	Cl.	Lib.	Volts
23.4 (Cont.)	136	2357	525	1540	1528	1964	690	5.29
	137	2360	1138	1280*	1349	1940	688	
23.6	138	2368	493	902	906	1983	687	
	139	2370	1038	1800	1787	1976	690	
23.8	140	2389	730	1778	1791	1962	692	
	141	2387	829	1767	1756	1968	692	
	142	2381	1013	1720	1738	1984	697	
	143	2385	1100	1806	1790	1992	695	
	144	2381	1165	1816	1814	1987	690	
24.0	145	2403	1035	1780	1772	1983	697	
24.2	146	2422	624	1132	1110	1962	693	
	147	2420	968	1641	1593	1982	691	
	148	2437	555	1528	1516	1984	690	
	149	2438	585	1477	1439	1962	690	
	150	2439	791	1670	1699	1983	696	
24.4	151	2445	688	1500	1520	1963	700	
	152	2442	985	1810	1804	1987	693	
24.8	153	2488	629	1781	1797	1986	692	
	154	2483	723	1850	1836	1970	704	
	15	1920	798	855	—	1946	693	
	1	2263	683	1168	—	1970	693	
	2	—	—	1365	—	1957	691	
	3	—	—	1406	—	1964	693	
	4	—	—	1374	—	1970	694	
	5	—	—	1537	—	1945	691	
	6	—	—	1629	—	1973	696	
	7	—	—	1623	—	1952	698	
	8	—	—	1730	—	1946	697	5.27

Plate Number Changed

* Image in fog from bright star

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1932phae.proj.1206M

Q.-Dk.	Mean Dyl.-Dk.	Red. Dyl.	Magn.	Remarks.
1274	844	662	669	
1252	626	500	540	
1296	217	168	309	
1286	1104	864	off curve	
1270	1092	854	off curve	
1276	1070	841	off curve	
1287	1032	800	825.	
1297	1103	852	off curve	
1297	1125	871	off curve	
1286	1079	830	off curve	
1269	428	336	442	
1291	926	718	720	
1294	832	643	650	
1272	768	602	612	
1287	988	767	781	
1263	810	641	649	
1294	1114	863	off curve	
1294	1097	848	off curve	
1266	1139	898	off curve	
1253	162	127	—	
1271	475	372	—	
1266	674	530	—	
1271	713	562	—	
1276	670	528	—	
1254	866	691	—	
1277	933	722	—	
1254	925	738	—	
1246	1033	829	—	

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1932phae.proj.12pm

M.M - RH 4143 — May 31, 1932.

Strip	Star	y	x	Defl.	Defl	Cl.	Dk.	volt.
	ls	1925	792	778	—	1235	652	5.25
	1	2285	742	943	—	1248	658	
	2	—	—	1028	—	1302	662	
	3	—	—	1062	—	1311	662	
	4	—	—	1052	—	1305	671	
	5	—	—	1093	—	1288	667	
	6	—	—	1128	—	1283	667	
	7	—	—	1160	—			
	8	—	—		—			

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1932phae.proj.12.pdf

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1932phae.proj.120M

 Cont. from Bk. 86, page 218

M.m.–RH4108– June 15, 1932.

Strip	Star	y	x	Diff.	Diff.	Cl.	Dk.	volt.
	ls	1900	807	1053	—	1718	731	5.40
	1	2183	584	1272	—	1708	738	
	2	—	—	1391	—	1728	738	
	3	—	—	1468	—	1739	738	
	4	—	—	1468	—	1740	746	
	5	—	—	1543	—	1758	748	
	6	—	—	1618	—	1769	742	
	7	—	—	1612	—	1768	746	
	8	—	—	1712	✓	1758	743	
15.2	1 ✓	1526	981	1701	1692	1789	752	
	2 ✓	1538	950	1512	1498	1798	758	
15.6	3 ✓	1565	578	1683	1710	1768	762	
	4 ✓	1565	767	1635	1656	1781	758	
16.0	5 ✓	1605	554	1671	1672	1778	792	
	6 ✓	1602	843	1681	1690	1789	758	
16.2	7	1635	432	1690	1682	1752	762	
	8 ✓	1638	1110	1641	1628	1789	759	
16.4	9 ✓	1642	642	1565	1552	1778	758	
16.6	10 ✓	1665	575	1591	1598	1759	760	
	11 ✓	1674	1038	1612	1621	1780	758	
16.8	12 ✓	1678	730	1662	1652	1762	762	
	13 ✓	1685	964	1708	1742	1782	758	
	14 ✓	1680	1129	1553	1569	1792	768	
	15 ✓	1883	1201	1659	1693	1792	762	
17.0	16 ✓	1709	678	1597	1632	1752	763	
	17	1703	741	1472	1456	1752	762	
	18 ✓	1712	918	1662	1682	1780	769	
	19 ✓	1712	992	1590	1578	1771	776	
17.2	20 ✓	1725	415	1646	1649	1748	772	
	21 ✓	1735	692	1650	1672	1768	769	

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1992phte.proj.120M

Cl.-Dk.	Mean Dagg.-Dk	Red. Dagg.	Magn.
987	322	325	—
970	534	552	—
990	653	662	—
1001	730	728	—
994	722	728	—
1010	795	787	—
1027	876	854	—
1022	861	847	—
1015	969	953	—
1037	944	908	790
1040	747	718	570
1006	934	923	805
1023	888	865	738
1006	900	894	772
1031	928	900	780
990	924	932	820
1030	875	849	714
1020	800	782	641
999	893	898	770
1022	858	840	709
1000	895	895	774
1024	967	940	830
1024	793	771	630
1030	917	888	761
989	851	862	733
990	702	709	560
1011	903	892	770
995	808	810	670
976	876	898	775
999	892	896	772

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1932phae.proj.1206M

m. m. – RH4108 – June 15, 1932.

Strip	Star	y	x	Defl.	Defl.	Cl.	Db.	Volt.
	22	1755	372	1678	1692	1750	762	
	23	1750	738	1708	1726	1768	768	
	24	1740	782	1693	1720	1761	768	
17.6	25	1768	1275	1580	1542	1812	768	
17.8	26	1781	727	1557	1592	1785	765	
	27	1780	1250	1628	1648	1810	772	
18.0	28	1816	975	1378	1342	1797	767	
	29	1810	1050	1727	1742	1802	775	
	ls	1900	807	1050		1738	769	
	1	2183	584	1332	—	1742	772	
	2	—	—	1438	—	1782	769	
	3	—	—	1502	—	1742	775	
	4	—	—	1509	—	1752	772	
	5	—	—	1558	—	1768	770	
	6	—	—	1608	—	1775	772	
	7	—	—	1615	—	1781	772	
	8	—	—	1720	—	1768	769	5.40

m. m. – RH4108 – June 17, 1932 — 538

	ls	1900	821	1002	—	1732	719	
	1	2183	579	1250	—	1712	732	
	2	—	—	1421	—	1752	733	
	3	—	—	1482	—	1748	732	
	4	—	—	1480	—	1738	742	
	5	—	—	1542	—	1762	742	
	6	—	—	1600	—	1762	748	
	7	—	—	1605	—	1758	752	
	8	—	—	1690	—	1760	754	
18.2	30	1820	342	1680	1649	1779	752	
	31	1820	801	1700	1709	1769	752	
18.4	32	1853	610	1710	1732	1768	762	

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1932phae.proj.126M

C.-Dk.	Mean Defl.-Dk	Red. Defl.	Magn.
988	923	932	820
1000	949	949	837
993	938	941	832
1044	793	759	610
1020	809	790	649
1038	856	823	691
1030	593	575	445
1027	959	931	820
969	281	290	—
970	560	578	—
1013	669	660	—
967	727	752	—
980	737	751	—
998	788	790	—
1003	836	830	—
1009	843	833	—
999	951	952	—
1013	283	280	—
980	518	529	—
1019	688	676	—
1016	750	736	—
996	738	740	—
1020	800	784	—
1014	852	840	—
1001	853	851	—
1006	931	928	—
1027	912	890	767
1017	952	933	831
1006	959	951	off curve

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1932phae.proj:12:6M

m.m.—RH 4h08— June 17, 1932.

Strip	Star	y	x	Defl.	Defl.	Cl.	Dk. volts
	33	1853	669	1682	1698	1769	762
18.6	34	1878	470	1642	1649	1763	763
	35	1862	481	1668	1690	1762	762
	36	1867	738	1659	1663	1753	758
	37	1862	1329	1722	1741	1781	769
18.8	38	1895	421	1499	1500	1762	750
	39	1882	1230	1491	1492	1778	765
19.0	40	1902	388	1680	1708	1758	767
19.2	41	1920	444	1669	1690	1742	769
	42	1920	567	1682	1691	1742	778
	43	1921	733	1578	1562	1741	772
	44	1923	828	1581	1502	1751	771
19.6	45	1975	512	1672	1661	1758	773
	46	1968	550	1572	1591	1758	776
	47	1960	612	1701	1682	1758	772
	48	1970	634	1676	1688	1758	770
19.8	49	1991	751	1700	1698	1760	776
20.0	50	2010	740	1609	1608	1754	778
	51	2002	769	1603	1630	1757	781
	52	2010	820	1682	1719	1779	778
	53	2012	883	1672	1673	1768	780
	54	2009	911	1690	1690	1778	779
	55	2006	1122	1746	1738	1787	788
20.2	56	2019	631	1432	1418	1752	787
	57	2021	1142	1722	1729	1778	788
	58	2030	1200	1721	1718	1778	789
20.4	59	2049	279	1609	1610	1756	782
	60	2043	362	1652	1629	1738	785
	61	2051	388	1612	1641	1748	782
	62	2052	1258	1622	1618	1762	788

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1932phae.proj.126M

Cl.-Dk	Mean Defl.-Dk.	Red. Defl.	Magn.
1007	928	918	801
1000	883	883	760
1000	917	917	809
995	903	908	790
1012	963	951	off curve (851)
1012	750	741	583
1013	727	718	560
991	927	932	831
973	911	940	840
964	908	940	840
969	798	824	680
980	731	746	590
985	893	904	789
982	806	819	670
986	919	930	827
988	912	923	815
984	923	934	832
976	831	850	712
976	825	828	681
1001	922	921	812
988	892	902	788
999	911	913	801
999	952	955	off curve
965	638	660	510
990	938	948	848
989	931	942	843
964	828	859	720
973	835	885	760
966	834	865	732
874	832	951	851

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1932phae.proj.12pM

M.M.-RH-4108 – June 17, 1932.

Slip	Star	y	x	Defl.	Defl.	d.	Dk.	Volt.
	63	2058	1282	1700	1688	1769	785	
20.6	64	2060	405	1581	1485	1739	782	
	65	2069	530	1681*	1661	1751	788	
	66	2060	800	1636	1658	1762	791	
20.8	67	2098	1032	1600	1598	1743	789	
21.0	68	2110	410	1642	1639	1738	782	
	69	2115	463	1668	1662	1731	791	
	70	2118	162	1623	1637	1732	782	
	71	2007	714	1681	1666	1731	787	
	72	2110	875	1692	1675	1747	787	
	73	2103	1150	1579	1560	1764	787	
21.2	74	2133	429	1624	1608	1730	790	
	75	2131	602	1691	1656	1740	790	
	76	2133	700	1663	1646	1727	788	
	77	2124	743	1709	1692	1768	783	
	78	2120	821	1595	1608	1743	792	
	79	2130	1043	1681	1690	1751	783	
	80	2119	1146	1682	1680	1768	791	
21.4	81	2145	1082	1688	1701	1743	782	
	82	2147	1327	1643	1654	1771	791	
21.6	83	2160	238	1632	1651	1721	792	
	84	2175	890	1433	1431	1725	788	
	1	1900	821	1068	—	1732	790	
	1	2183	599	1339	—	1718	783	
	2	—	—	1418	—	1714	788	
	3	—	—	1478	—	1738	782	
	4	—	—	1482	—	1712	778	
	5	—	—	1535	—	1741	788	
	6	—	—	1601	—	1738	790	
	7	—	—	1618	—	1731	787	7.30
	8	—	—	1677	—	1734	785	

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1932phae.proj.128M

Cl.–Dk.	Mean Degl.–Db.	Red. Degl.	Magn.
984	909	920	809
957	711	742	588
963	883	920	810
971	856	879	750
954	811	849	710
956	858	898	777
940	874	931	830
950	888	931	830
944	887	938	835
960	897	931	830
977	783	801	651
940	826	878	749
950	874	920	810
939	866	920	810
985	917	930	827
951	810	850	712
968	903	930	824
977	890	910	797
961	912	948	848
980	857	872	742
929	850	914	802
937	644	689	533
942	278	295	—
935	556	593	—
926	630	681	—
956	696	728	—
934	704	752	—
953	747	782	—
948	811	856	—
944	831	880	—
949	892	940	—

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1932phae.proj.1216M

P. C. R. – R. A. 4108 – June 18, 1932

Thick	Star	y	x	Left	Right	Co.	Plate	Volts
	15	1899	821	984	—	1756	724	5.27
	1	2182	598	1268	—	1748	728	
	2	—	—	1372	—	1781	728	
	3	—	—	1423	—	1776	732	
	4	—	—	1433	—	1753	732	
	5	—	—	1483	—	1768	732	
	6	—	—	1563	—	1779	732	
	7	—	—	1593	—	1748	733	
	8	—	—	1682	—	1762	734	
21.8	85	2181	622	1689	1664	1756	736	
	86	2188	811	1683	1690	1746	738	
	87	2178	1064	1693	1700	1778	741	
	88	2189	288	1648	1671	1732	740	
	89	2199	321	1642	1658	1727	737	
22.0	90	2204	355	1638	1667	1723	740	
	91	2205	485	1597	1597	1703	745	
	92	2209	1085	1666	1668	1728	745	
	93	2218	808	1568	1563 (near another image)	1733	749	
	94	2219	864	1655	1667	1742	751	
	95	2210	1180	1643	1649	1755	752	
22.2	96	2228	335	1499	1478	1674	748	
	97	2221	1172	1682	1673	1748	752	
	98	2236	360	1525	1511	1720	758	
	99	2235	535	1651	1664	1716	755	
	100	2238	576	1658	1660	1714	757	
	101	2231	1067	1667	1655	1720	759	
	102	2236	1116	1681	1694	1747	758	
	15	1900	821	981	—	1742	754	
	1	2182	598	1227	—	1720	752	
	2	—	—	1358	—	1740	753	5.26

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1932phae.proj.126M

Cl.–Dk.	Mean Degf.–Dk.	Red Degf.	Magn.	
1032	260	252	—	
1020	540	530	—	
1053	644	613	—	
1044	691	663	—	
1021	701	672	—	
1036	751	726	—	
1047	831	792	—	
1015	860	845	—	
1028	948	920	—	
1020	1040	1021	—	X
1008	948	940	852	✓
1037	955	927	840	✓
992	914	923	839	✓
990	913	922	837	✓
983	912	930	842	✓
948	852	901	812	✓
993	922	935	849	✓
984	817	830	741	✓
991	910	918	831	✓
1003	894	892	804	✓
926	740	798	712	✓
996	926	931	838	✓
962	760	790	707	✓
958	900	940	off curve (851)	X ✓
957	902	942	off curve	✓
961	902	939	850	✓
989	930	940	(off curve (851)	✓
988	227	230	—	
968	475	492	—	
987	599	608	—	

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1932phae.proj 12:08 M

P.S.R. – R.H. 4108 – June 18, 1932

Strip	Star	y	x	Lyf.	Lyf.	Cl.	Clk.	Volts
	3	—	—	1373	—	1742	750	5.26
	4	—	—	1400	—	1707	753	
	5	—	—	1477	—	1734	750	
	6	—	—	1527	—	1743	752	
	7	—	—	1540	—	1730	753	
	8	—	—	1647	—	1715	752	5.26
	Lyf – R.H. 4108 – June 18, 1932							
	15	1900	821	1043	—	1692	767	5.10
	1	2182	598	1301	—	1720	772	
	2	—	—	1381	—	1758	777	
	3	—	—	1460	—	1762	773	
	4	—	—	1442	—	1742	778	
	5	—	—	1532	—	1742	779	
	6	—	—	1592	—	1768	782	
	7	—	—	1600	—	1772	781	
	8	—	—	1698	—	1772	783	
22.4	103	2250	252	1630	1623	1760	784	
	104	2238	369	1604	1573	1752	791	
96 103 105 107	105	2257	374	1512	1563	1752	791	
	106	2241	579	1610	1626	1758	800	
22.6	107	2263	600	1703	1675	1767	792	
	108	2270	860	1640	1623	1767	799	
	109	2283	867	1652	1643	1771	798	
22.8	110	2282	873	1712	1700	1778	802	
	111	2284	883	1707	1703	1784	802	
23.0	112	2310	325	1673	1653	1773	803	
	113	2301	379	1672	1677	1769	804	
	114	2310	411	1679	1678	1749	808	
	115	2307	1188	1692	1693	1790	810	
23.2	116	2331	321	1652	1663	1742	808	

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1932phae.proj.126M

Cl.-Dk.	Mean Defl.-Dk.	Rel. Defl.	Magn.
992	623	626	—
954	647	678	—
984	727	739	—
991	775	781	—
977	787	807	—
963	895	930	—
925	276	298	—
948	529	557	—
981	604	616	—
989	687	696	—
964	664	688	—
963	753	784	—
976	810	830	—
991	819	824	—
989	915	925	—
976	848	866	768
961	883	920	831
961	741	770	660
958	818	851	750
975	897	920	831
968	827	856	758
973	850	872	772
976	904	918	829
982	903	920	831
970	780	803	698
965	870	900	807
941	870	922	833
980	882	892	800
934	850	905	815

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1932phae.proj:120PM

AP - RH 4108 - June 18, 1932.

trip	star	y	x	dyfl	xfl	cc	dh	Volts
	117	2318	339	1634	1652	1749	823	✓
	118	2319	487	1500	1462	1742	807	✓
	119	2320	720	1622	1608	1743	809	✓
	120	2320	1015	1492	1477	1791	809	✓
	121	2320	1306	1662	1639	1810	813	✓
23.4	122	2357	969	1702	1683	1769	813	
23.6	123	2358	813	1642	1622	1773	813	
	124	2358	487	1576	1570	1763	813	
	125	2368	458	1642	1600	1706	810	
	126	2360	647	1499	1497	1767	813	
	127	2369	645	1608	1615	1749	817	
	128	2357	749	1595	1660	1761	813	
	129	2361	1222	1682	1678	1808	812	
23.8	130	2383	382	1682	1660	1757	819	
	131	2388	759	1664	1643	1761	813	
	132	2383	1148	1612	1633	1787	810	
24.0	133	2407	357	1638	1600	1742	813	
	134	2411	533	1532	1538	1738	813	
	135	2404	1158	1983	1374	1782	813	
	136	2407	1188	1701	1703	1783	818	
	137	2401	1250	1654	1648	1789	822	
24.2	138	2402	392	1542	1558	1743	813	
	139	2438	402	1204	1199	1718	816	
	140	2419	1028	1680	1638	1782	811	
24.4	141	2442	506	1582	1537	1743	818	
24.6	142	2443	926	1654	1610	1768	819	
24.8	143	2490	738	1631	1622	1747	813	
	144	2497	765	1730	1442	1736	818	
	145	2479	1095	1666	1651	1772	819	
25.2	146	2523	749	1402	1507	1744	822	

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1932phae.proj.126M

Cl.-Dk	mean Defl.-Dk	Red Defl.	Magn.
946	840	889	797
935	674	722	615
934	806	861	762
982	675	691	590
997	834	839	735
956	819	857	756
960	819	851	751
950	760	801	693
946	836	885	790
954	685	718	610
932	795	852	751
948	759	799	688
996	868	873	778
938	852	910	820
958	841	880	782
977	812	827	720
929	833	898	801
925	722	781	682
969	575	586	489
965	884	915	827
967	839	856	753
930	737	890	796
902	386	429	357
971	848	870	771
925	742	801	692
949	863	910	820
934	813	871	775
918	618	670	570
953	839	880	782
919	658	715	609

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1932phae.proj.128M

ZP- RH 4108- June 18, 1932:

Trig	Star	Y	X	dyll	dlgl	cl	Dk	Wts
	147	2527	1158	1681	1681	1742	837	
25.4	148	2598	947	1473	1481	1752	824	
	149	2540	1150	1688	1681	1787	829	
	150	2568	941	1591	1576	1754	822	
25.8	151	2590	663	1663	1657	1739	823	
26.0	152	2604	798	1574	1553	1729	823	
	1A	1899	821	1073	/	1742	827	575
	1	2182	698	1305	/	1742	823	
	2	—	/	1418	/	1783	823	
	3	/	/	1471	/	1783	828	
	4	/	/	1442	/	1759	823	
	5	/	/	1553	/	1768	824	
	6	/	/	1599	/	1778	832	
	7	/	/	1647	/	1772	832	
	8	/	/	1697	/	1777	832	

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1932phae.proj.1236M

α - Dk.	Mean Decl. - Dk.	Red. Decl.	Magn.
905	844	932	850
928	653	702	600
958	859	896	801
932	760	815	710
916	837	917	828
906	741	820	712
915	246	270	—
919	482	523	—
960	595	618	—
955	643	672	—
936	619	660	—
944	729	772	—
946	767	810	—
970	815	868	—
945	865	915	—

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1932phae.proj.128M

 Plate heavily fogged – #8 very faint P. S. R. – R. H. 4077 – June 19, 1932

Strip	Star	y	x	Diff.	Diff.	Cl.	Hk.	Volts
	15	1908	879	981	—	1290	796	5.32
	1	2157	620	1099	—	1310	800	
	2	—	—	1147	—	1296	806	
	3	—	—	1173	—	1302	809	
	4	—	—	1192	—	1313	809	
	5	—	—	1223	—	1299	808	
	6	—	—	1244	—	1315	808	
	7	—	—	1250	—	1308	807	
	8	—	—	1276	—	1299	806	
15.4	1	1555	675	1241	1247	1260	799	
	2	1533	1008	1217	1223	1240	795	
15.6	3	1560	754	*1245	1238	1257	800	
	4	1560	881	1209	1212	1252	799	
	5	1575	908	1238	1242	1260	799	
15.8	6	1598	690	1226	1228	1263	802	
	7	1599	958	1210	1208	1248	801	
16.2	8	1627	550	1247	1253	1274	803	
	9	1636	756	1188	*1207	1264	804	
16.4	10	1644	491	1233	1241	1260	805	
		1659	690	1220	1219	1273	807	
	15	1908	880	978	—	1291	807	
	1	2157	619	1108	—	1297	809	
	2	—	—	1140	—	1287	811	
	3	—	—	1168	—	1289	813	
	4	—	—	1189	—	1308	814	
	5	—	—	1205	—	1289	812	
	6	—	—	1237	—	1301	813	
	7	—	—	1243	—	1292	813	
	8	—	—	1260	—	1286	812	

5.31

* Defective image – thin spot adjacent.

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1932phae.proj.1286M

Cl.-Dk	Mean Defl.-Dk.	Red. Defl	Magn.	
494	185	374	—	
510	299	587	—	
490	341	696	—	
493	364	737	—	
504	383	757	—	
491	415	842	—	
507	436	861	—	
501	443	881	—	
493	470	952	—	
461	445	965	833	✓
445	425	953	832	X
457	442	970	off curve	X
453	411	909	753	✓
461	441	956	840	X
461	425	921	776	✓
447	408	916	767	✓
471	447	950	829	✓
460	394	857	690	✓
455	432	950	827	✓
466	413	889	727	X
484	171	353	—	
488	299	610	—	
476	329	690	—	
476	355	745	—	
494	375	760	—	
477	393	822	—	
488	424	867	—	
479	430	898	—	
474	448	950	—	

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1932phae.proj.128M

KP - RA 4077 - June 19, 1932.

Strip	Star	y	x	Diff	Diff	cc	Dk	Volts
	1A	1906	747	963	—	1222	760	520
	1	2257	486	1067	—	1243	770	
	2	—	—	1112	—	1243	771	
	3	—	—	1139	—	1247	773	
	4	—	—	1167	—	1263	772	
	5	—	—	1146	—	1248	773	
	6	—	—	1189	—	1257	773	
	7	—	—	1193	—	1263	778	
	8	—	—	1218	—	1248	782	
16.6	11	1669	657	1191	1185	1232	778	
	12	1671	712	1207	1197	1231	777	
	13	1670	1019	1163	1142	1209	777	
	14	1678	1111	1138	1135	1208	782	
17.0	15	1702	657	1192	1190	1233	783	
	16	1700	722	1137	1138	1237	782	
	17	1710	949	1189	1184	1209	784	
	18	1710	975	1150	1163	1212	780	
17.2	19	1730	674	1206	1207	1238	782	
17.6	20	1774	707	1178	1168	1239	783	
18.0	21	1809	241	1183	1178	1267	783	
	22	1810	309	1222	1222	1265	783	
	23	1812	906	1069	1082	1212	786	
18.2	24	1817	998	1160	1150	1220	781	
18.8	25	1884	388	1162	1163	1268	783	
	26	1882	1197	1122	1113	1222	788	
19.2	27	1923	200	1222	1212	1286	792	
	28	1916	700	1189	1180	1266	791	
	29	1919	792	1147	1147	1249	789	
19.4	30	1951	578	1238	1237	1263	790	
19.6	31	1960	516	1197	1202	1273	792	

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1932phae.proj.1286M

Cl.-Dk.	Mean Defl.-Dk.	Red. Defl	Magn.	
462	203	440	—	
473	297	629	—	
472	341	722	—	
474	366	769	—	
491	395	805	—	
475	403	850	—	
481	416	863	—	
475	415	872	—	
466	436	931	—	
454	410	902	752	✓
454	425	938	818	✓
432	371	860	692	✓
426	354	830	651	
450	408	910	769	✓
455	356	781	591	✓
425	402	943	823	✓
432	372	860	691	✓
456	424	930	802	✓
456	390	857	689	✓
484	397	820	638	✗ outside circle
472	439	934	810	✓
426	290	680	488	✓
439	374	851	680	✓
485	375	772	580	✓
434	330	759	560	✓
494	425	861	696	✓
475	393	829	649	✓
460	358	780	590	✓
473	448	950	832	✓
481	408	850	677	✓

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1932phae.pro.1208M

SJP-RH 4077 - June 19, 1932

Strip	Star	y	x	dlyl	dlyl	Ce	Sk	Volts	
20.0	32	2010	597	1102	1090	1257	784		
	33	2006	706	1202	1208	1268	788		
	34	2000	733	1200	1204	1260	793		
20.2	35	2031	327	1256	1251	1281	796		
20.4	36	2040	195	1260	1252	1292	792		
	37	2035	242	1227	1230	1287	796		
	38	2040	350	1233	1232	1277	796		
	39	2051	371	1172	1178	1276	792		
	40	2057	1222	1210	1202	1248	794		
21.0	41	2100	373	1238	1237	1273	791		
	42	2110	627	1224	1230	1270	799		
	43	2102	1123	1182	1174	1258	799		
21.2	44	2123	392	1222	1226	1268	801		
	45	2113	782	1220	1217	1272	797		
	46	2118	1109	1218	1210	1259	801		
21.6	47	2170	803	1139	1132	1262	793		
21.8	48	2196	447	1243	1237	1279	802		
22.2	49	2218	297	1232	1232	1287	793		
	50	2227	321	1207	1213	1262	788		
	51	2234	539	1232	1228	1266	798		
	15	1906	747	983	—	1248	794	520	
	1	2257	486	1090	—	1268	793		
	2	—	—	1127	—	1252	793		
	3	—	—	1140	—	1263	792		
	4	—	—	1168	—	1267	798		
	5	—	—	1181	—	1249	797		
	6	—	—	1206	—	1272	798		
	7	—	—	1209	—	1261	800		
	8	—	—	1228	—	1252	801		

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1932phae.proj.126M

α.-Dr.	Mean Defl.-Dr.	Red. Defl.	Magn.
473	312	660	465 ✓
480	417	866	700 ✓
467	409	875	718 ✓
488	461	942	823 ✓
500	464	929	799 ✓
494	435	879	720 ✓
484	439	909	761 ✓
484	383	790	599 ✓
454	412	902	753
482	447	930	802 ✓
471	428	910	769 ✓
459	379	822	642 ✓
467	423	908	768 ✓
475	421	885	731 ✓
458	413	900	752 ✓
469	343	730	532 ✓
477	438	918	780 ✓
494	439	889	730 ✓
474	422	890	739 ✓
468	432	921	789
454	189	405	—
465	297	637	—
459	334	729	—
461	348	757	—
469	370	788	—
452	384	851	—
474	408	861	—
467	409	889	—
451	427	949	—

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1932phae.proj.128M

m.m. – RH 4077 – June 20, 1932

Slip	Star	y	x	Deff	Deff.	Cl.	DB.	volt.
	1s	1906	744	958	—	1212	750	5.28
	1	2157	484	1042	—	1245	758	
	2	—	—	1110	—	1241	758	
	3	—	—	1131	—	1242	762	
	4	—	—	1140	—	1252	768	
	5	—	—	1176	—	1247	770	
	6	—	—	1186	—	1258	772	
	7	—	—	1206	—	1253	769	
	8	—	—	1220	—	1241	772	
22.4	52	2238	212	2248	2242	1291	776	
	53	2243	335	1195	1191	1280	775	
	54	2249	827	1219	1220	1257	779	
22.6	55	2264	820	1192	1200	1262	782	
23.0	56	2305	162	1252	1240	1300	781	
	57	2299	285	1210	1215	1282	790	
	58	2306	289	1258	1260	1285	782	
	59	2308	443	1197	1188	1281	788	
	60	2316	976	1158	1162	1260	786	
23.4	61	2345	302	1240	1259	1300	788	
	62	2348	397	1225	1231	1287	796	
	63	2352	603	1181	1170	1269	791	
	64	2350	708	1212	1208	1272	792	
23.6	65	2360	605	1210	1222	1281	800	
23.8	66	2395	310	1272	1270	1318	798	
24.0	67	2410	250	1182	1171	1306	800	
	68	2410	351	1209	1213	1312	802	
	69	2402	490	1218	1221	1299	806	
	70	2402	1118	1120	1140	1252	801	
	71	2400	1209	1202	1220	1262	802	
24.2	72	2424	231	1178	1180	1295	800	5.24

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1932phae.proj.1268M

Cl.-Dk.	Mean Defl.-Dk	Red. Defl.	Magn.	
462	208	453	—	
487	284	582	—	
483	352	728	—	
480	369	759	—	
484	372	763	—	
477	406	852	—	
486	414	852	—	
484	447	923	—	
469	448	957	—	
515	469	911	780	✓
505	418	829	670	✓
478	441	922	792	✓
480	414	860	710	✓
519	465	896	753	
492	422	855	706	✓
503	477	949	828	✓
493	404	820	661	
474	374	788	627	✓
512	462	901	762	✓
491	432	880	732	✓
478	385	801	647	✓
480	418	870	722	
481	416	863	712	✓
520	473	908	769	✓
506	376	740	572	✓
510	409	801	645	
493	414	840	688	✓
451	329	730	560	✓
460	409	889	745	✓
495	379	766	601	* (outside circle)

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1932phae.proj.1204M

P.S.R. - R.A. 4077 — June 29, 1932

Strip	Star	y	x	Diff.	Diff.	Co.	Lbs.	Volts
24.2 (cont.)	73 ✓	2425	344	1041	1040	1300	802	5.24
2	74 ✓	2400	593	1247	1252	1287	802	
	75 ✓	2432	465	1211	1213	1297	803	
24.4	76 ✓	2449	605	1240	1250	1281	801	
24.6	77 ✓	2462	507	1249	1250	1289	802	
	78 ✓	2468	883	1210	1224	1264	800	
24.8	79 ✓	2473	1054	1223	1219	1266	800	
	80 +	2479	292	1226	1222	1297	803	
24.8	81 ✓	2483	695	1214	1219	1278	803	
	82 ✓	2490	723	1134	1132	1283	806	
	83 ✓	2490	1093	1230	1234	1271	806	
25.0	84 ✓	2502	938	1242	1238	1263	809	
	85 ✓	2578	706	1178	1180	1298	810	
25.2	86 ✓	2539	702	1252	1263	1285	810	
	87 ✓	2534	859	1235	1230	1279	810	
	88 ✓	2537	888	1245	1237	1277	812	
	89 ✓	2532	903	1142	1138	1274	809	
25.6	90 ✓	2563	832	1255	1262	1288	808	
	91	2562	899	1202	1203	1273	806	
	92 ✓	2573	670	1260	1267	1298	803	
25.8	93	2580	620	1258	1256	1301	804	
	94	2584	800	1252	1260	1282	803	
	95 + ✓	2597	476	1238	1243	1313	812	
	96	2598	755	1192	1200	1302	813	
26.0	97 +	2600	948	1243	1249	1278	812	
26.2	98 +	2623	558	1260	1257	1309	818	
	99 −	2630	731	1268	1259	1303	812	
26.6	100 +	2669	844	1226	1229	1293	816	
	1S	1905	745	989	—	1264	816	
	1	2155	485	1078	—	1263	809	5.20

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1932phtae.proj.12pm

Cl.-Dk.	Mean Defl.-Dk.	Red. Defl.	Magn.	
498	238	480	321	✓
485	448	928	798	✓
494	409	828	670	✓
480	444	920	787	✓
487	448	930	787	✓
464	417	899	757	✓
466	421	902	761	✓
494	421	852	701	x outside circle.
475	413	870	722	✓
477	327	684	515	✓
465	426	916	781	✓
454	431	950	831	✓
488	369	753	590	✓
475	448	944	822	✓
469	422	900	760	✓
465	429	922	791	✓
465	331	711	543	✓
480	450	938	810	✓
467	396	849	697	✓
495	461	933	810	✓
497	453	910	772	✓
479	453	942	821	
501	428	857	708	x outside circle.
489	383	781	621	✓
466	434	930	801	
491	440	896	752	x outside circle
491	452	919	781	
477	412	862	712	x outside circle.
448	173	383	—	
454	269	593	—	

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1932phae.proj.120PM

P. S. R. R. H. 4077 – June 20, 1932

Strip	Star	y	x	Diffl.	Diffl.	Cl.	Dk.	Volts
	2	—	—	1121	—	1260	809	5.20
	3	—	—	1134	—	1253	807	
	4	—	—	1148	—	1269	808	
	5	—	—	1168	—	1258	803	
	6	—	—	1192	—	1265	806	
	7	—	—	1194	—	1263	805	
	8	—	—	1228	—	1253	807	5.20

Plate Finished

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1932phot.proj.126M

Cl.-Dk.	Mean Defl.-Dk.	Red. Defl.	Magn.
451	312	690	
446	327	731	
461	340	738	
455	365	801	
459	386	840	
455	389	855	
446	421	945	

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1932phae.proj.1208M

178 Plate quite hazy. m. m. – RH 4196 – June 20, 1932

Strip	Star		y	x	Defl.	Defl.	a	Dk.	volt.
	1s		1938	762	948	—	1503	810	5.20
	1		2303	772	1048	—	1522	812	
	2		—	—	1091	—	1513	812	
	3		—	—	1181	—	1489	815	
	4		—	—	1163	—	1529	814	
	5		—	—	1258	—	1489	818	
	6		—	—	1312	—	1509	821	
	7		—	—	1318	—	1521	814	
	8		—	—	1422	—	1491	811	
14.2	1	X	1432	1051	1259	1284	1459	809	
15.4	2	✓	1553	653	1373	1368	1441	814	
	3	✓	1552	718	1386	1372	1449	812	
15.8	4	✓	1595	960	1348	1360	1468	812	
	5	X	1587	1278	1202	1209	1489	811	
16.0	6	✓	1600	751	1379	1371	1461	809	
16.2	7	X	1622	1296	1402	1412	1500	816	
16.4	8	✓	1650	918	1232	1239	1449	810	
	9	✓	1649	1028	1409	1415	1478	808	
16.8	10	✓	1689	1111	1427	1437	1499	812	
17.0	11	✓	1712	739	1412	1418	1469	812	
17.4	12	✓	1745	952	929	956	1458	816	
18.0	13	✓	1812	808	1412	1412	1480	815	
	14	X	1800	1079	1411	1419	1521	815	
18.2	15	✓	1835	1305	1310	1278	1520	820	
	16	✓	1822	1282	1410	1451	1527	811	
	17	✓	1837	1244	1287	1295	1501	812	
	18	✓	1837	1306	1290	1278	1493	814	
	19		[illegible] RH 4196 – June 20, 1932						570
19.0	20	✓	1908	998	1409	1392	1507	826	
19.2	21	✓	1933	457	1342	1331	1497	818	

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1992phae.proj.12:M

Cl.-Dk.	Mean Degl.-Dk.	Red. Degl.	Magn.	
693	138	199		
710	236	332		
701	279	397		
674	366	539		
715	349	487		
671	440	654		
688	491	715		
707	5 704	716 ~~570~~		
680	611	900		
650	463	712	700	outside circle on 3829
627	556	888	830	
637	561	889	831	
656	542	830	782	
678	395	582	618	outside circle on 3829
652	566	868	815	
684	591	866	814	outside circle on 3829
639	426	666	665	
670	604	907	849	
687	620	901	843	
657	603	918	859	
642	126	196	294	
665	597	899	840	
706	600	851	~~800~~	on circle in 3829
700	474	678	671	
716	619	865	812	
689	479	695	685	
679	460	678	670	
674	577	858	803	
684	523	762	731	

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1932phae.proj.120M

2 Gp - C H 496 - June 20, 1932.

Strip	Star	y	x	Defl.	Defl.	Q.	Dk.	volt.
	22	1917	484	1378	1390	1497	822	
	23	1930	695	1419	1433	1483	824	
19.4	24	1940	656	1413	1414	1497	822	
19.6	25	1970	1288	1403	1423	1523	824	
20.0	26	2016	728	1350	1376	1509	822	
	27	2000	1218	1072	1044	1493	817	
	28	2007	1241	1440	1453	1503	821	
	29	1998	1377	1357	1361	1528	820	
	30	2010	1373	1448	1462	1532	817	
20.2	31	2030	648	1394	1392	1488	814	
	32	2038	1222	891	890	1368	813	
20.4	33	2045	275	1418	1418	1499	812	
20.6	34	2068	338	1281	1280	1494	818	
	35	2055	436	1377	1368	1517	822	
	36	2070	991	1322	1303	1497	818	
20.8	37	2080	496	1431	1407	1490	819	
	38	2091	529	1343	1352	1497	813	
21.0	39	2106	1029	1293	1304	1523	816	
21.2	40	2128	751	1407	1387	1493	822	
	41	2128	1012	1343	1362	1507	813	
21.4	42	2146	574	1182	1173	1494	810	
	43	2151	1102	1229	1208	1510	813	
	19	1938	762	917	—	1453	809	605
	1	2303	772	1036	—	1507	808	
	2	—	—	1104	—	1480	811	
	3	—	—	1182	—	1493	808	
	4	—	—	1103	—	1503	813	
	5	—	—	1237	—	1477	813	
	6	—	—	1306	—	1480	809	
	7	—	—	1318	—	1503	811	
	8	—	—	1412	—	1478	(81?)	

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1932phae.proj.12.0M

Obs.-Dk.	Mean Defl.-Dk.	Red. Defl.	Magn.	
675	552	819	771	
659	602	914	855	
675	592	878	823	
699	599	859	809	
687	541	787	749	
676	241	356	467	
682	635	931	872	visible, but unmeasured on 3829.
708	539	760	730	
715	638	890	833	
674	579	860	808	
6555	77	118 138	off curve (too bright)	
687	606	881	830	
676	462	681	676	
695	550	792	752	
679	494	729	707	
671	600	896	840	
684	535	781	743	
687	482	700	688	
671	575	853	802	
684	539	785	747	
687	368	535	589	
697	405	581	619	
644	108	168		
699	228	329		
669	293	438		
665	374	562		
690	340	493		
664	424	637		
671	497	790		
682	507	743		
661	595	898		

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1932phae.proj.128M

DLJ- BH 496 - June 26, 1932.

Strip	Star	y	x	Dyll	Dyll	cc	xx	Volts
	1A	1938	762	892	—	1512	762	530
	1	2303	772	1024	—	1532	762	
	2	—	—	1128	—	1545	764	
	3	—	—	1191	—	1531	771	
	4	—	—	1196	—	1552	772	
	5	—	—	1307	—	1537	772	
	6	—	—	1377	—	1543	772	
	7	—	—	1430	—	1557	776	
	8	—	—	1463	—	1526	772	
21.6	44 ✓	2158	779	1273	1286	1557	780	
	45 ✓	2171	1072	1458	1451	1582	782	
21.8	46 ✓	2178	921	1408	1446	1541	783	
22.0	47 ✓	2205	986	1422	1413	1567	781	
22.2	48 ✓	2217	851	1160	1151	1607	782	
	49 ✓	2220	1151	1428	1436	1578	783	
22.8	50 ✓	2280	751	1474	1468	1557	789	
23.2	51 ✓	2330	1154	1193	1204	1578	789	
23.6	52 ✓	2357	481	1390	1401	1560	791	
	53 ✓	2371	526	1378	1372	1562	787	
	54 ✓	2360	974	1443	1446	1557	790	
	55 ✓	2360	1143	924	923	1558	792	
	56 ✓	2367	1139	1213	1252	1583	793	
23.8	57 ✓	2384	494	958	931	1522	800	
24.0	58 ✓	2401	830	1486	1468	1563	797	
24.2	59 ✓	2437	968	1401	1432	1556	793	
24.4	60 ✓	2454	555	1406	1401	1563	795	
	61 ✓	2456	588	1328	1320	1538	798	
	62 ✓	2441	612	1146	1140	1523	798	
24.6	63 ✓	2462	689	1357	1358	1537	800	
	1A	1938	762	943	—	1508	800	

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1932phae.proj.120M

Cl.-Dk.	Mean Dagl.-Dk	Red Dagl.	Magn.
750	130	173	—
771	262	338	—
781	364	464	—
760	420	552	—
780	424	543	—
765	535	699	—
771	575	748	—
781	654	838	—
751	691	918	—
777	500	644	639
800	672	840	759
758	669	869	782
786	637	810	783
725	368	508	550
795	647	816	740
768	682	886	798
789	409	519	560
759	605	798	728
775	588	759	703
767	650	848	761
766	122	159	off curve
790	439	555	584
722	144	199	279
766	680	889	800
763	623	812	740
758	609	801	780
740	531	717	682
725	345	477	531
737	558	758	703
708	143	203	—

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1932phae.proj.120M

HJP-RH #96- June 2, 1932.

Strip	Star	Y	X	dlight	dlefe	cc	dk	Volts
	1	2313	772	1092	—	1549	803	
	2	—	—	1152	—	1552	803	
Plate	3	—	—	1184	—	1538	802	
	4	—	—	1208	—	1551	799	
Imbedded	5	—	—	1294	—	1536	807	530
	6	—	—	1360	—	1547	799	
	7	—	—	1363	—	1567	802	
	8	—	—	1482	—	1542	801	

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1932phae.proj.1211M

Cl.-Dk.	Mean Diff.-Dk.	Red. Diff.	Magn.
746	289	389	
749	349	466	
736	382	519	
752	409	543	
729	487	670	
748	581	776	
765	561	735	
741	681	920	

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1932phae.proj.1201M

P.S.R. - R.H. 4113 - June 21, 1932

Strip	Star	y	x	Left.	Left.	Cl.	Right.	Volts
	15	2124	830	1008	—	1593	782	5.35
	1	1762	838	1298	—	1592	784	
	2	—	—	1300	—	1614	786	
	3	—	—	1303	—	1607	787	
	4	—	—	1430	—	1593	790	
	5	—	—	1395	—	1600	791	
	6	—	—	1452	—	1593	793	
	7	—	—	1455	—	1588	797	
	8	—	—	1512	—	1596	798	
15.4	1	1556	855	1557	1557	1597	799	
15.8	2	1588	967	1531	1528	1582	802	
16.0	3	1609	570	1530	1523	1577	803	
	4	1615	960	1456	1451	1580	803	
16.2	5	1633	489	1497	1496	1563	803	
16.4	6	1649	972	1512	1515	1570	803	
	7	1659	1018	1487	1489	1570	803	
16.6	8	1671	489	1520	1528	1572	808	
17.0	9	1708	577	1419	1420	1570	811	
	10	1708	857	1517	1499	1581	816	
	11	1718	456	1502	1498	1578	813	
	12	1717	930	1459	1450	1592	817	
	13	1719	960	1507	1514	1593	817	
17.2	14	1726	473	1512	1502	1567	817	
	15	1730	591	1517	1512	1578	818	
	16	1730	727	1293	1283	1582	816	
	15	2124	830	1030	—	1574	816	
	1	1762	838	1291	—	1596	816	
	2	—	—	1327	—	1610	817	
	3	—	—	1347	—	1589	817	
	4	—	—	1420	—	1578	816	
	5	—	—	1385	—	1582	817	
	6	—	—	1438	—	1567	812	
	7	—	—	1440	—	1554	813	
	8	—	—	1492	—	1570	815	

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1932phae.proj.12PM

Cl.-Dk.	Meas Defl.-Dk.	Red. Defl.	Magn.
811	226	279	—
808	514	637	—
828	514	624	—
820	516	628	—
803	640	795	—
809	604	748	—
800	659	821	—
791	658	830	—
798	717	896	~~830~~
798	758	950	~~off curve~~
780	728	930	~~off curve~~
774	723	931	~~off curve~~
777	651	839	730
760	693	912	~~off curve~~
767	711	930	~~off curve~~
767	685	896	830
764	716	938	~~off curve~~
759	609	800	~~680~~
765	692	907	~~off curve~~
765	687	899	839
775	637	821	710
776	693	892	830
750	690	920	~~off curve~~
760	696	918	~~off curve~~
766	472	615	502
758	214	282	—
780	475	609	—
793	510	645	—
772	530	688	—
762	604	797	—
765	628	820	—
755	627	890	—
741	627	846	—
755	677	898	—

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1932phae.proj.128PM

P.S.R. – R.A. 4113 – June 23, 1932

Strip	Star	y	x	Lgt.	Lgt.	O.	Pk.	Volts
	15	2125	830	920	—	1571	781	5.29
	1	1762	838	1281	—	1577	773	
	2	—	—	1231	—	1622	781	
	3	—	—	1281	—	1590	785	
	4	—	—	1407	—	1582	786	
	5	—	—	1358	—	1588	788	
	6	—	—	1408	—	1576	792	
	7	—	—	1422	—	1567	793	
	8	—	—	1490	—	1586	792	
17.4	17	1740	381	1520	1520	1577	793	
17.8	18	1782	646	1478	1476	1588	798	
	19	1799	455	1458	1468	1593	799	
18.2	20	1826	375	1497	1503	1592	807	
	21	1828	624	1526	1524	1578	810	
	22	1820	760	1523	1516	1592	818	
	23	1821	813	1518	1508	1585	812	
	24	1831	842	1510	1510	1580	812	
	25	1835	970	1450	1448	1583	812	
	26	1833	1220	1512	1518	1584	814	
	27	1837	1268	1524	1512	1582	820	
18.4	28	1849	435	1520	1518	1602	821	
	29	1841	1289	1490	1492	1599	822	
18.6	30	1870	598	1532	1524	1588	820	
	31	1873	401	1468	1473	1585	820	
	32	1875	815	1510	1508	1577	821	
	33	1876	919	1474	1482	1578	822	
18.8	34	1899	212	1422	1430	1600	827	
	35	1898	900	1470	1478	1575	828	
	36	1891	1190	1531	1538	1582	826	
19.0	37	1909	193	1510	1520	1584	827	5.27

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1932phae.proj.126M

Cl.-Dk.	Mean Defl.-Dk.	Red. Defl.	Magn.
890	139	157	
804	458	568	
841	450	535	
805	496	618	
796	621	781	
800	570	712	
784	606	770	
774	629	810	
794	698	878	
784	727	928	off curve
790	679	859	810
794	664	836	780
785	693	882	850
768	715	930	off curve
774	702	908	off curve
773	701	905	off curve
768	698	910	off curve
771	637	828	770
770	699	908	off curve
762	698	914	off curve
781	698	890	off curve
777	669	859	809
768	708	921	off curve
765	658	860	810
756	688	909	off curve
756	666	868	822
773	599	775	700
747	646	863	820
756	708	937	off curve
757	688	909	off curve

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1932phae.proj.12pM

P. S. R. - R. H. #113 - June 23, 1932

Strip	Star	y	x	Left.	Left.	Cl.	Rt.	Volts
19.0 (Cat.)	38	1910	430	1510	1512	1583	827	5.27
19.2	39	1922	1008	1528	1540	1585	830	
	40	1932	261	1574	1520	1592	831	
	41	1932	336	1526	1510	1590	832	
	15	2125	830	1008	—	1583	833	
	1	1762	829	1239	—	1599	835	
	2	—	—	1292	—	1600	832	
	3	—	—	1302	—	1588	837	
	4	—	—	1386	—	1586	833	
	5	—	—	1363	—	1588	830	
	6	—	—	1417	—	1583	834	
	7	—	—	1418	—	1563	834	
	8	—	—	1490	—	1580	837	5.25
	P.S.R. - R.H. #113 - June 23, 1932.							
	15	2125	830	964	—	1482	772	520
	1	1762	829	1232	—	1006	775	
	2	—	—	1270	—	1556	781	
	3	—	—	1296	—	1548	787	
	4	—	—	1092	—	1536	782	
	5	—	—	1373	—	1551	782	
	6	—	—	1412	—	1527	787	
	7	—	—	1417	—	1527	788	
	8	—	—	1464	—	1539	789	
19.4	42	1947	489	1511	1507	1550	792	
	43	1950	1013	1484	1472	1550	801	
19.6	44	1960	222	1500	1487	1556	804	
	45	1971	770	1453	1452	1566	801	
19.8	46	1995	321	1130	1121	1548	803	
	47	1981	1080	1517	1508	1556	803	
	48	1980	1232	1538	1538	1592	803	

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1032phae.proj.12PM

Cl-Dk	Mean Defl-Dk.	Red. Defl.	Magn.
756	684	903	off curve
755	704	932	off curve
761	686	900	off curve
758	686	904	off curve
750	175	233	—
764	404	527	—
768	460	600	—
751	465	618	—
753	553	733	—
758	533	702	—
749	583	781	—
729	584	804	—
743	653	~~742~~ 878	—
710	192	271	—
728	457	630	—
772	489	631	—
761	509	669	—
754	610	808	—
769	591	770	—
740	625	843	—
739	629	851	—
750	675	898	—
758	717	948	off curve
750	678	904	839
752	690	921	off curve
765	651	852	750
745	323	432	363
750	709	940	off curve
789	733	931	off curve

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1932phae.proj.12pM

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KJP – CH 413 – June 23, 1932.

Strip	Star	Y	X	Diff	Diff	cc	dc
20.0	49	1991	554	1478	1467	1547	807
	50	1997	932	1448	1432	1548	808
20.2	51	2024	848	1510	1570	1553	813
	52	2032	1232	1082	1058	1552	809
20.4	53	2049	399	1478	1473	1562	807
	54	2073	709	1337	1323	1563	813
20.6	55	2059	832	1492	1492	1557	806
	56	2062	949	1492	1501	1568	822
	57	2068	1083	1482	1483	1582	824
	58	2061	1215	1513	1514	1587	814
	59	2069	1238	1309	1274	1588	818
20.8	60	2090	799	1500	1513	1559	818
	61	2080	1081	1410	1399	1575	819
21.0	62	2100	1168	1500	1482	1578	817
	63	2100	1340	1543	1539	1598	819
21.2	64	2113	635	1514	1516	1552	822
	65	2120	662	1392	1358	1562	821
	66	2121	1063	1507	1493	1572	822
21.4	67	2148	882	1488	1482	1558	819
21.6	68	2178	718	1468	1453	1557	824
	69	2170	737	1463	1452	1565	824
21.8	70	2185	1453	1461	1453	1548	823
	71	2185	746	1482	1482	1563	824
22.0	72	2211	383	1489	1473	1557	822
	73	2200	446	1498	1500	1563	832
	74	2200	800	1483	1471	1562	823
	75	2202	889	1500	1513	1557	824
	76	2208	972	1482	1484	1563	827
	10	2125	830	1009	—	1513	822
	1	1762	829	1280	—	1547	825

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1932phae.proj.1206M

Cl.-Dk.	Mean Defl.-Dk.	Red. Defl.	Mag.
740	665	899	820
740	632	853	750
740	697	940	off curve
743	261	351	311
755	669	889	805
750	522	695	567
751	686	918	off curve
746	674	902	831
758	658	869	771
773	700	907	840
770	474	615	500
741	688	928	off curve
756	585	776	649
761	674	885	800
779	722	928	off curve
730	693	950	off curve
741	553	743	612
750	678	902	839
739	666	901	838
733	631	861	762
741	632	852	745
725	634	871	780
729	658	900	830
725	659	905	840
721	667	928	off curve
739	654	888	802
733	682	930	off curve
756	656	868	770
691	187	270	—
722	455	630	—

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1932phae.proj.12pM

24P-RH 4113 – June 24, 1932

Trip	Star	y	x	Δeff	Δeff	cc	Δk	Volts
	2	~~1343~~	—	1343	—	1080	828	
	3	—	—	1314	—	1582	828	
	4	—	—	1430	—	1069	831	
	5	—	—	1410	—	1066	829	
	6	—	—	1429	—	1063	832	
	7	—	—	1432	—	1050	832	615
	8	—	—	1493	—	1560	833	
	10	2125	868	972	—	1482	757	615
	1	1762	875	1257	—	1017	762	
	2	—	—	1283	—	1053	764	
	3	—	—	1292	—	1051	772	
	4	—	—	1387	—	1041	773	
	5	—	—	1370	—	1047	775	
	6	—	—	1413	—	1040	778	
	7	—	—	1412	—	1032	778	
	8	—	—	1472	—	1037	779	
22.2	77	2230	474	1483	1467	1038	780	
	78	2230	1298	1381	1361	1082	780	
	79	2226	1357	1360	1372	1077	782	
22.4	80	2250	1221	1473	1472	1082	781	
22.6	81	2272	777	1423	1432	1049	793	
22.8	82	2280	631	1427	1448	1039	806	
	83	2287	1083	1412	1413	1057	793	
	84	2278	1125	1411	1427	1052	792	
23.0	85	2312	599	1477	1498	1057	801	
	86	2310	812	1452	1448	1042	802	
23.2	87	2320	1220	1508	1498	1091	806	
23.4	88	2299	691	1476	1480	1053	802	
23.8	89	2311	672	1477	1481	1038	807	
	90	2380	596	1470	1470	1028	803	

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1932phae.proj.1206M

Cl.-Dk.	Mean Defl.-Dk.	Red. Defl.	Magn.
752	515	685	—
754	486	643	—
738	599	789	—
737	581	786	—
721	597	827	—
718	600	832	—
727	660	902	—
725	215	297	—
755	495	654	—
789	519	657	—
779	520	668	—
768	614	801	—
772	595	770	—
762	635	832	—
754	634	841	—
758	693	912	~~848~~
758	695	918	848
802	591	739	610
795	584	734	608
801	691	862	752
756	635	838	718
736	635	867	760
764	619	810	~~682~~
760	627	828	~~706~~
756	687	909	829
740	658	890	797
785	697	889	790
731	676	923	off curve
731	672	919	849
725	667	920	850

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1932phae.proj.120M

2JP - RH 4113 - June 2[illegible], 1932.

Strip	Star	y	x	Dyf	Dyf	Cc	Dk	Volts
	91	2690	848	1482	1495	1552	802	
	92	2379	862	1329	1338	1552	802	
24.0	93	2402	449	1439	1426	1532	809	
	94	2411	1093	1393	1393	1567	808	
24.4	95	2450	1220	1422	1432	1568	803	
24.6	96	2470	363	1469	1408	1533	808	
24.8	97	2484	828	1470	1442	1543	812	
	98	2482	1242	1209	1219	1567	811	
25.2	99	2522	441	1491	1482	1533	812	
25.4	100	2552	696	1242	1258	1543	811	
	101	254	1086	1423	1398	1577	809	
25.6	102	2561	1011	1350	1367	1550	821	
25.8	103	2580	872	1498	1460	1578	822	
	104	2590	922	1429	1440	1533	817	
26.0	105	2610	577	1000	1482	1533	826	
	106	2600	580	1460	1462	1538	819	
26.8	107	2688	697	1332	1327	1537	816	
	108	2679	904	1413	1412	1534	822	
	W.S	2125	868	1043	—	1552	822	510
	1	1762	870	1292	—	1565	826	
	2	—	—	1328	—	1603	825	
	3	—	—	1331	—	1573	825	
	4	—	—	1463	—	1574	822	
	5	—	—	1399	—	1580	828	
	6	—	—	1450	—	1561	827	
	7	—	—	1460	—	1563	828	
	8	—	—	1493	—	1568	828	

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1932phae.proj.1201M

Cl.-Dk.	Mean Defl.-Dk.	Red. Defl	Magn.
750	686	917	848
750	532	710	588
723	623	862	752
759	585	769	640
760	624	822	702
725	656	903	821
731	644	880	779
756	403	532	442
721	674	933	off curve
732	439	600	493
768	601	780	650
729	537	738	610
696	657	947	off curve
716	603	847	729
710	668	940	off curve
719	642	892	800
721	514	718	591
712	590	828	707
730	181	248	—
742	469	630	—
778	503	649	—
768	506	659	—
752	611	810	—
752	571	760	—
734	623	849	—
735	632	860	—
740	665	900	—

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1932phae.proj.120M

P. S. R. — R.A. 4h 14m — June 25, 1932.

Time	Star	y	x	Diff	Diff	Cc	Dk	Volts.
	15	2129	820	983	—	1672	776	5.29
	1	1766	815	1286	—	1666	778	
	2	—	—	1292	—	1692	780	
	3	—	—	1352	—	1668	780	
	4	—	—	1433	—	1657	782	
	5	—	—	1397	—	1668	785	
	6	—	—	1470	—	1659	786	
	7	—	—	1492	—	1661	788	
	8	—	—	1573	—	1680	795	
16.2	1 ✓	1620	951	1526	1519	1658	805	15.28
16.4	2 ✓	1640	430	1602	1586	1665	807	
	3 ✓	1653	964	1588	1586	1663	806	
16.6	4 ✓	1663	1008	1571	1576	1670	803	
17.0	5 ✓	1712	568	1466	1458	1659	807	
	6 ✓	1711	849	1591	1596	1664	809	
17.2	7 ✓	1721	447	1586	1563	1678	810	
	8	1720	921	1543	1513	1677	810	
	9 ✓	1724	951	1584	1576	1663	811	
	10 ✓	1731	465	1568	1570	1667	809	
	11 ✓	1734	584	1589	1579	1658	806	
	12 ✓	1734	719	1300	1286	1653	803	
17.8	13 ✓	1790	638	1550	1532	1656	807	
18.0	14 ✓	1807	447	1529	1511	1673	805	
18.2	15 ✓	1826	751	1588	1598	1647	809	
	16 ✓	1827	806	1576	1563	1642	804	
	17 ✓	1832	367	1596	1583	1687	810	
	18 ✓	1839	834	1592	1592	1669	809	
18.4	19 ✓	1841	961	1521	1527	1667	818	
	20	1855	427	1573	1588	1670	812	
	15	2129	820	1016	—	1645	809	5.27

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1932phae.proj.12PM

Cl.—Dk	Mean Defl.-Dk.	Red. Defl.	Magn.	
896	207	231		
888	508	570		
912	512	562		
888	572	~~643~~		
875	651	743		
883	612	692		
873	684	785		
873	704	805		
885	778	880		Ave. Defl.
853	717	839	780	15.23
858	787	919	off curve	1594
857	781	912	off curve	15-87
867	771	890	off curve	1574
852	655	769	681	1462
855	785	919	off curve	1594
868	764	881	850	1579
867	718	829	762	1528
852	769	900	off curve	1580
858	760	888	off curve	1569
852	778	910	off curve	1584
850	490	578	497	1294
849	734	868	821	1541
868	715	824	760	1520
838	784	935	off curve	1593
838	766	915	off curve	1570
877	780	889	off curve	1590
860	783	911	off curve	1592
849	706	832	772	1524
858	768	897	off curve	1581
836	207	247		

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1932phae.proj.120M

A.S.R. - R.A. 4114 - June 25, 1932

Strip	Star	q	x	Diff.	Diff.	O.	H.	Volts
	1	1766	815	1245	—	1669	808	5.27
	2	—	—	1290	—	1678	817	
	3	—	—	1308	—	1676	817	
	4	—	—	1470	—	1653	818	
	5	—	—	1391	—	1668	816	
	6	—	—	1486	—	1653	822	
	7	—	—	1502	—	1658	826	
	8	—	—	1575	—	1684	826	5.26
		A.S.R. - R.A. 4114 - June 25, 1932						520
	1x	2129	820	963	—	1548	763	
	1	1766	815	1235	—	1603	761	
	2	—	—	1288	—	1638	767	
	3	—	—	1321	—	1633	769	
	4	—	—	1491	—	1612	772	
	5	—	—	1396	—	1613	772	
	6	—	—	1473	—	1609	772	
	7	—	—	1498	—	1611	772	
	8	—	—	1568	—	1632	773	
18.8	21	1881	393	1543	1531	1643	782	
	22	1880	911	1558	1549	1646	782	
19.0	23	1917	185	1602	1601	1672	783	
	24	1905	203	1510	1506	1606	789	
	25	1902	892	1563	1552	1648	788	
19.4	26	1954	1003	1582	1583	1651	791	
19.6	27	1970	214	1584	1579	1659	792	
	28	1978	761	1567	1534	1643	789	
20.0	29	2001	312	1182	1147	1622	793	
	30	2011	547	1573	1577	1647	798	
	31	2001	923	1532	1520	1641	800	
20.4	32	2055	391	1533	1551	1629	801	

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1932phae.proj.12pM

Cl.-Dk.	Mean Defl.-Dk.	Red. Defl.	Magn.
861	437	505	
861	473	550	
859	491	572	
835	622	743	
852	665	780	
831	664	800	
832	676	812	
858	749	870	
795	200	252	
842	474	561	
871	521	599	
864	552	640	
840	659	784	
841	624	742	
837	701	834	
839	726	862	
859	785	914	
861	757	879	772
864	792	895	800
884	819	920	840
867	719	830	710
860	768	890	790
860	791	920	840
867	790	910	825
854	763	892	798
829	371	448	365
849	777	917	840
841	726	862	751
828	741	893	796

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1932phae.proj:12pM

2 Jj - RH 4114 - June 25, 1932.

Strip	Star	y	x	Diff	Diff	ce	dk	Volts	
	33	2050	701	1393	1382	1627	799		
	34	2048	1220	1063	1032	1608	803		
20.6	35	2071	1076	1066	1058	1603	802		
	36	2068	1207	1079	1077	1652	798		
	37	2071	1229	1313	1272	1647	799		
20.8	38	2085	1073	1462	1461	1647	796		
21.0	39	2105	1161	1552	1548	1648	799		
	10	2129	820	1033	—	1599	793		
	1	1766	815	1313	—	1627	792		
	2	—	—	1358	—	1607	804		
	3	—	—	1368	—	1648	797		
	4	—	—	1409	—	1638	801		
	5	—	—	1458	—	1629	803		
	6	—	—	1489	—	1617	802		
	7	—	—	1493	—	1617	803	5.20	
	8	—	—	1549	—	1628	803		

m m - RH 4114 - June 26, 1932

	1s	2129	820	938	—	1563	738	
	1	1766	813	1290	—	1588	738	
	2	—	—	1298	—	1620	753	
	3	—	—	1316	—	1621	764	
	4	—	—	1436	—	1602	759	
	5	—	—	1410	—	1618	761	
	6	—	—	1471	—	1592	763	
	7	—	—	1484	—	1609	772	
	8	—	—	1541	—	1612	765	
21.2	40	2125	653	1391	1370	1608	771	
21.4	41	2150	874	1534	1542	1605	772	
21.6	42	2175	730	1518	1520	1622	782	
21.8	43	2180	448	1538	1528	1615	798	

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1932phae.proj.128M

Cl.-Dk.	Neg. Defl.-Dk.	Red. Defl.	Magn.
828	589	710	578
806	246	303	271
851	760	890	791
854	780	916	832
848	593	701	569
851	666	783	652
849	751	885	782
806	240	298	
835	521	626	
831	554	665	
851	571	670	
837	658	786	
826	655	792	
815	687	842	
814	690	848	
825	746	902	
825	200	242	
850	552	650	
867	545	630	
857	552	643	
843	677	800	
857	649	758	
829	708	852	
837	716	853	
847	776	917	
837	609	722	600
833	766	919	837
840	739	878	769
817	735	899	800

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1932phae.proj.1204M

204

m.m. — RH 4114 — June 26, 1932.

Strip	Star	y	x	Dife	Dife	Ce	Ck	Volts
	44	2180	710	1538	1511	1618	792	
	45	2190	736	1529	1514	1616	790	
22.0	46	2205	791	1542	1523	1602	796	
	47	2211	966	1566	1563	1632	792	
22.2	48	2221	809	1550	1542	1642	792	
	49	2233	1252	1435	1432	1611	799	
22.4	50	2254	1175	1560	1522	1612	792	
22.8	51	2287	585	1499	1503	1592	796	
	52	2278	841	1500	1575	1609	798	
	15	2129	820	1000		1599	798	
	1	1766	813	1279		1608	801	
	2	—	—	1312		1642	801	
	3	—	—	1332		1622	791	
	4	—	—	1455		1611	798	
	5	—	—	1408		1608	800	
	6	—	—	1469		1581	800	
	7	—	—	1472		1588	798	
	8	—	—	1541		1611	800	5.20
		P.L.R. — R.H. 4114 — June 28, 1932						
	15	2129	820	1006	—	1542	740	5.19
	1	1766	814	1253	—	1563	742	
	2	—	—	1307	—	1590	740	
	3	—	—	1269	—	1579	743	
	4	—	—	1369	—	1557	747	
	5	—	—	1357	—	1560	749	
	6	—	—	1420	—	1560	753	
	7	—	—	1423	—	1557	758	
	8	—	—	1483	—	1561	757	
23.0	53	2312	768	1452	1442	1552	760	
23.2	54	2325	560	1463	1494	1542	764	5.19

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1932phae.proj.128M

Cl.-Dk.	Mean Diff.-Dk.	Rel. Diff.	Magn.
826	732	890	789
826	722	873	780
806	736	917	831
840	772	919	838
850	754	885	781
812	635	782	650 ~~780~~
820	749	914	831
796	705	882	780
811	710	878	770
801	202	251	—
807	478	596	—
841	511	609	—
831	541	643	—
813	657	803	—
808	608	750	—
781	669	851	—
790	674	853	—
811	741	913	—
802	266	331	—
821	511	622	—
850	517	668	—
836	526	627	—
810	622	768	—
811	608	748	—
807	667	829	—
799	665	833	—
804	726	893	—
792	687	868	780
778	714	918	off curve

Ave. Diff.
1457
1478

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1932phae.proj.12pM

P.S.R. - R.A. 4114 - June 28, 1932

Chip	Star	y	x	Diff.	Diff.	Q.	Mk.	Volts
23.6	55	2360	512	1490	1483	1550	769	5.19
23.8	56	2380	528	1480	1482	1558	769	
	57	2383	530	1467	1475	1560	772	
	58	2381	817	1339	1336	1551	773	
24.0	59	2409	805	1450	1448	1553	776	
	60	2416	1048	1430	1425	1564	776	
24.4	61	2452	1175	1434	1427	1570	775	
24.8	62	2489	783	1463	1453	1556	775	
25.0	63	2509	1050	1490	1488	1560	775	
25.2	64	2529	806	1481	1499	1553	780	
25.4	65	2548	1043	1441	1438	1560	780	
	66	2556	614	1483	1487	1556	780	
	67	2558	650	1265	1251	1548	780	
25.6	68	2567	967	1348	1338	1544	781	
25.8	69	2595	878	1423	1421	1540	782	
26.0	70	2605	536	1453	1451	1520	780	
26.8	71	2682	860	1422	1416	1527	782	
	72	2690	652	1337	1333	1533	782	
	15	2129	820	988	—	1554	782	
	1	1766	814	1247	—	1565	782	
	2	—	—	1262	—	1571	782	
	3	—	—	1297	—	1579	783	
	4	—	—	1367	—	1562	784	
	5	—	—	1350	—	1552	785	
	6	—	—	1422	—	1552	787	
	7	—	—	1422	—	1557	790	
	8	—	—	1486	—	1560	790	5.16

Plate Examined

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1992phae.proj.120M

Cl.-Dk.	Mean Dgl.-Dk.	Red. Dgl.	Magn.	Ave. Dgl.
781	711	918	off curve ×	1487
789	712	902	840	1481
788	699	885	809	1471
778	565	728	607	1338
797	673	842	742	1449
788	652	830	728	1428
795	655	823	716	1431
781	683	872	790 ×	1458
785	714	912	off curve	1489
773	710	920	off curve	1490
780	660	844	745 ×	1440
776	705	910	off curve (751)	1485
768	478	622	570	1238
763	562	735	615	1343
758	640	846	746	1422
740	672	909	850	1462
745	637	858	761	1419
751	553	733	615	1335
772	206	266	—	
783	465	596	—	
789	480	611	—	
796	514	647	—	
778	583	750	—	
769	565	736	—	
765	635	830	—	
767	632	822	—	
770	696	904	—	

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1932phae.proj.12pM

2 Pp - R# 1980 - June 28, 1932.

Strip	Star	y	x	dyff	dyff	Cl	dk	Volts
	1A	2123	784	919	—	2263	771	0-10
	1	1742	747	1463	—	2302	777	
	2	—	—	1218	—	2261	782	
	3	—	—	1412	—	2299	783	
	4	—	—	1763	—	2312	791	
	5	—	—	1522	—	2320	789	
	6	—	—	1752	—	2312	786	
	7	—	—	?.1751	—	2312	792	
	8	—	—	2013	—	2302	798	
15.8	1	1578	907	2200	2241	2331	800	
16.0	2	1603	900	1987	1963	2329	800	
16.4	3	1638	911	2169	2167	2323	801	
	4	1649	957	2077	2072	2327	803	
16.8	5	1692	516	1782	1752	2322	803	
17.0	6	1701	394	2062	2080	2318	804	
	7	1710	412	2130	2060	2327	808	
	8	1716	531	2138	2063	2342	799	
	9	1704	869	1952	1880	2317	803	
	10	1709	899	2092	2102	2322	803	
17.2	11	1726	321	2177	2218	2328	809	
	12	1716	667	1542	1522	2327	799	
17.6	13	1770	584	2003	1971	2342	808	
17.8	14	1782	393	1898	1889	2314	811	
18.0	15	1810	752	2132	2122	2327	811	
18.2	16	1820	781	2183	2151	2343	818	
	17	1823	908	1908	1912	2318	813	
	18	1824	1157	2122	2138	2313	809	
	19	1828	1206	2148	2122	2297	813	
18.4	20	1831	372	2054	2122	2327	809	
18.6	21	1860	369	1916	1878	2323	817	

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1932phae.proj.1216M

Cl.-Dk.	Mean Dofl.-Dk.	Red. Dofl.	Magn.	
1492	148	100	—	
1525	676	443	—	
1479	436	393	—	
1516	629	414	—	
1521	972	640	—	
1531	733	478	—	
1526	966	633	—	
1520	?959	630	—	Showed dofl. be 1851?
1504	1215	803	—	
1531	1420			
1529	1176			
1522	1369			
1524	1271			
1519	964			
1514	1267			
1519	1287			
1543	1351			
1514	1013			
1519	1294			
1519	1389			
1528	733			
1534	1180			
1503	1083			
1516	1316			
1525	1350			
1505	1097			
1494	1321			
1484	1322			
1518	1229			
1516	1080			

Plate Rejected

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1932phae.proj.12pM

2 Gp - R Ψ 1980 — June 28, 1932.

Strip	Star	y	x	dyell	dyell	ce	ck	Volts
	22	1865	857	2067	2024	2320	816	
18.8	23	1891	130	2062	2109	2317	813	
	24	1880	149	1717	1658	2337	818	
	25	1883	838	1973	1993	2337	818	
19.2	26	1920	873	2180	2103	2322	822	
19.4	27	1945	259	2088	2023	2320	819	
	28	1939	949	2023	2027	2327	818	
19.6	29	1960	707	2012	1934	2340	823	
19.8	30	1978	258	970	942	2307	822	
	31	1979	491	2083	2072	2322	819	
	32	1982	869	1868	1794	2328	823	
20.2	33	2031	335	1922	1838	2327	819	
	34	2030	645	1507	1444	2342	823	
	35	2022	1168	972	919	2292	819	
20.4	36	2045	768	2088	2042	2342	823	
	37	2050	884	2122	2130	2346	826	
	38	2051	1151	2064	2032	2303	824	
20.6	39	2054	1018	204	1982	2328	822	
	40	2070	1017	1653	1598	2337	823	
	41	2058	1173	1207	1223	2329	813	
20.8	42	2090	1104	1937	1952	2323	828	
	1A	2103	784	908	—	2313	827	
	1	1742	747	1426	—	2362	823	
	2	—	—	1367	—	2330	823	
	3	—	—	1301	—	2307	817	
	4	—	—	1656	—	2357	830	
	5	—	—	1626	—	2360	823	
	6	—	—	1759	—	2349	823	
	7	—	—	1854	—	2350	824	
	8	—	—	2030	—	2333	819	825

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1932phae.proj.1216M

Cl.-Dk.	Mean Deff.-Dk.	Red. Deff.	Magn.
1514	1230		
1504	1293		
1519	880		
1519	1165		
1500	1320		
1501	1231		
1509	1207		
1517	1150		
1485	134		
1503	1259		
1505	908		
1508	1061		
1519	653		
1473	127		
1519	1242		
1520	1300		
1479	1224		
1506	1190		
1514	700		
1516	427		
1495	1116		
1486	81	54	—
1539	603	392	—
1507	544	361	—
1533	484	316	—
1527	826	540	—
1537	803	522	—
1526	936	612	—
1526	1030	695	—
1514	1211	793	—

Plate Rejected

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1932phae.proj.12:16M

m.m-RH 1930 – June 25 1932

Strip	Star	y	x	diff	diff	dk	Volts
	1s	2103	784	979	—	2418	810	5.38
	1	1742	747	1495	—	2446	802	
	2	—	—	1408	—	2432	812	
	3	—	—	1218	—	2461	812	
	4	—	—	1795	—	2481	807	
	5	—	—	1622	—	2490	804	
	6	—	—	1865	—	2488	808	
	7	—	—	1920	—	2478	807	
	8	—	—	2111	—	2473	810	
21.0	43	2105	599	1618	1612	2482	807	
	44	2110	990	2229	2218	2478	808	
21.2	45	2132	818	2117	2110	2482	806	
21.4	46	2156	672	1971	1961	2510	809	
21.6	47	2169	391	2039	1955	2461	810	
	48	2169	681	2132	2062	2472	816	
21.8	49	2196	319	2220	2218	2483	818	
	60	2187	350	2290	2271	2490	822	
	51	2187	735	2067	2032	2502	817	
	52	2195	907	2158	2187	2516	818	
22.0	53	2198	152	1852	1856	2492	810	
	55	2214	372	2183	2180	2458	807	
	54	2214	253	1618	1568	2458	815	
	56	2219	1198	1612	1542	2501	813	
	57	2215	1252	1591	1572	2478	810	
22.2	58	2220	1195	1598	1582	2505	812	
22.4	59	2242	1118	Smith on image	2035	2471	824	
22.6	60	2265	529	2052	2021	2482	820	
	61	2059	782	2038	1978	2489	818	
	62	2072	981	1896	1865	2492	818	
	63	2066	1022	1941	1866	2488	821	

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1932phae.proj.128M

Cl.-Dk.	Mean Defl.-Dk.	Red. Defl	Magn.
1508	169	113	
1644	693	422	
1620	596	367	
1649	406	246	
1674	988	590	
1686	814	482	
1680	1057	629	
1671	1113	677	
1663	1301	781	
1675	808		
1670	1416		
1676	1308		
1601	1159		
1651	1187		
1656	1283		
1665	1401		
1668	1458		
1685	1233		
1692	1354		
1682	1044		
1651	1375		
1643	778		
1688	764		
1668	772		
1683	778		
1650	1214		
1662	1216		
1671	1190		
1674	1060		
1667	1085		

Plate Rejected

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1932phae.proj.12pM

M. M. – RH 1980 – June 28, 1932.

Stup	Star	y	x	Defl.	Defl.	Cl.	Dk.	Veb.
22.8	64	2295	710	2022	1991	2488	818	
23.2	65	2325	545	2139	2275 *	2468	822	
23.6	66	2360	470	2258	2305	2473	822	
	67	2366	491	2218	2200	2468	818	
	68	2362	759	1659	1672	2472	816	
	69	2386	345	1999	2022	2461	821	
24.0	70	2400	989	1883	1856	2478	818	
24.4	71	2438	1116	2052	1972	2482	826	
24.6	72	2469	722	2165	2100	2498	825	
	73	2470	1138	1242	1263	2494	818	
25.2	74	2530	982	1995	1928	2491	825	
	75	2535	554	2228	2298	2472	822	
	76	2539	590	1477	1410	2490	821	
	77	2530	980	1978	1938	2490	829	
25.4	78	2550	908	1722	1662	2494	822	
25.6	79	2578	818	1995	2002	2509	827	
26.6	80	2670	590	1782	1795	2478	828	
	81	2665	800	2122	2122	2490	832	
Plate finished	1s	2103	784	1062	—	2472	822	
	1	1742	747	1522		2498	821	
	2	—	—	1442	—	2468	828	
	3	—	—	1281	—	2492	831	
	4	—	—	1770	—	2441	741	
	5	—	—	1572	—	2470	742	
	6	—	—	1812	—	2482	744	
	7	—	—	1916	—	2485	742	
	8	—	—	2128	—	2481	748	

5.38

* Large difference in brightness of star-images very characteristic on plate

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Cl. - Ph.	Mean Degs. - Dk.	Red. Degs.	Magn.
1670	1188		
1646	1385		
1651	1460		
1650	1391		
1656	850		
1640	1189		
1660	1052		
1656	1126		
1678	1207		
1676	434		
1666	1137		
1650	1441		
1669	623		
1661	1129		
1672	870		
1682	1171		
1650	960		
1658	1290		
1650	240	146	—
1677	701	419	—
1640	614	375	—
1661	450	270	—
1700	1029	604	—
1728	830	480	—
1738	768	443	—
1743	1174	671	—
1733	1380	798	—

Plate Rejected

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1932phae.proj.1216M

M.M — RH 4197 — June 29, 1932.

Strip	Star	y	y	Deff.	Deff.	Cl.	Dk.	wolf.
	1s	2124	820	989	—	1448	758	5.38
	1	1758	808	1275	—	1458	762	
	2	—	—	1291	—	1452	762	
	3	—	—	1280	—	1482	766	
	4	—	—	1348	—	1460	764	
	5	—	—	1330	—	1448	760	
	6	—	—	1372	—	1448	763	
	7	—	—	1388	—	1450	778	
	8	—	—	1422	—	1458	763	
16.0	1	1615	953	1356	1352	1421	771	
16.4	2	1659	1010	1408	1408	1449	778	
17.0	3	1715	922	1400	1400	1468	771	
17.2	4	1731	721	1252	1268	1458	770	
17.8	5	1783	639	1421	1417	1460	773	
18.0	6	1800	449	1390	1386	1438	782	
18.2	7	1826	368	1400	1899	1438	780	
18.4	8	1839	961	1402	1389	1452	774	
18.6	9	1875	895	1388	1398	1448	772	
19.0	10	1899	891	1392	1390	1448	772	
19.4	11	1950	1003	1410	1405	1460	778	
19.6	12	1971	760	1391	1386	1453	782	
19.8	13	1993	312	1149	1152	1447	778	
	14	1991	546	1408	1401	1452	778	
	15	1998	923	1390	1363	1443	778	
20.4	17	2049	391	1390	1400	1432	780	
	18	2043	700	1312	1302	1433	782	
Tr 20.2	16	2033	1223	1068	1039	1441	778	
	19	2058	822	1392	1398	1440	778	
21.6	20	2068	1074	1409	1398	1450	780	
	21	2069	1230	1221	1187	1443	782	

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1932phae.proj.128M

Cl.-Dk.	Mean Defl.-Dk.	Red. Defl.	Magn.
690	231	334	—
696	513	734	—
690	529	747	—
716	514	721	—
696	584	839	—
688	570	828	—
685	609	889	—
672	610	906	—
695	659	951	—
650	583	900	731
671	630	936	785
697	629	902	737
688	490	714	~~545~~
687	646	939	~~788~~
656	606	928	770
658	620	943	796
678	622	916	752
676	611	905	739
676	619	914	751
682	630	921	761
671	606	902	738
669	372	557	~~556~~ 416
674	626	928	770
665	598	899	730
652	615	943	800
651	525	806	630
669	276	416	303
662	617	929	770
670	624	932	782
661	444	669	503

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1932phae.proj.12MM

M.M.-RH 4197- June 29, 1932

Strip	Star	y	y	Defl.	Defl.	Cl.	Dk.	volt
20.8	22	2081	1072	1348	1358	1438	775	
21.0	23	2102	1159	1400	1408	1449	778	
	1s	2124	820	1020	—	1422	781	
	1	1758	808	1258	—	1438	778	
	2	—	—	1269	—	1445	789	
	3	—	—	1279	—	1462	783	
	4	—	—	1330	—	1438	781	
	5	—	—	1312	—	1431	778	
	6	—	—	1362	—	1438	782	
	7	—	—	1381	—	1442	779	
	8	—	—	1410	—	1432	788	5.36

P.S.R. - R.H. 4197 - June 29, 1932

	1s	2122	818	979	—	1409	756	5.30
	1	1760	809	1196	—	1443	763
	2	—	—	1205	—	1442	768
	3	—	—	1273	—	1447	778
	4	—	—	1326	—	1448	777
	5	—	—	1323	—	1450	779
	6	—	—	1361	—	1457	780
	7	—	—	1379	—	1452	781
	8	—	—	1417	—	1457	781
21.2		2121	654	1310	1303	1448	780

Transferred to Book

See Book 88

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1932phae.proj.128M

Cl.-Dk.	Mean Decl.-Dk.	Red. Decl.	Magn.
663	578	870	699
671	626	931	780
641	239		
660	480		
656	480		
679	486		
657	549		
653	534		
656	580		
663	602		
644	622		

Reminders
In making Chart Cards

Cards for 4110 should be in numerical order.

The plate should be set anew each time there is a new sequence.

When a star not on the first plate appears on any of the succeeding plates of the series, it should be given a letter for the first plate, but when put on a card it retains the plate numbers to which it belongs. For example, if number 72 on plate 807 cannot be found on 4110, call it a on plate 4110, but write it thus:

807 a } 639
72 }

Constantly check plate position while working.

The cards should be well

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1932phae.proj.12.6M

Cl.-Dk.	Mean Decl.-Dk.	Red. Dec.	Magn.
663	578	870	699
671	626	931	780
641	239	393	
660	480		
656	480		
679	486		
657	549		
653	534		
656	580		
663	602		
644	622		

spaced, leaving room between the plate numbers and the magnitudes.

When finished, the series should be filed on the cards with the numbers of the first plate in chronological order.

When the identity of stars near together in position is in doubt, the eyepiece may be of help.

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1932phae.proj.128M

Cl.-Dk.	Mean Dgfl.-Dk.	Red. Dgf	Magn.
663	578	870	699
671	626	931	780
641	239	393	—
660	480	728	—
656	480	731	—
679	486	716	—
657	549	832	—
653	534	819	—
656	580	882	—
663	602	908	—
644	622	963	—

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1932phae.proj.120.TIF

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1932phae.proj.126M

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1932phae.proj.12[illegible]M

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