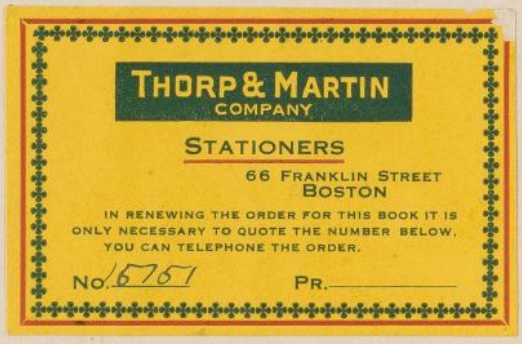
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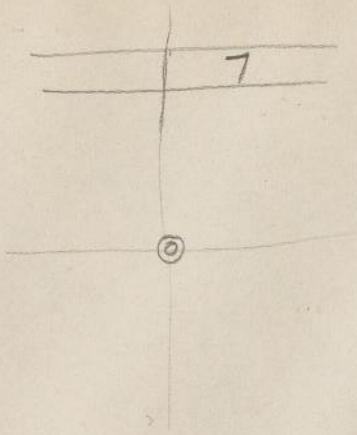


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2

Zgp- RH 1889- Aug 21, 1930.

Strip	Class	Star	y	x	Dupl	Dupl	cc	Dk	Watts
		14	2040	793	490	—	1081	479	510
		1	1793	523	541	—	1070	479	
		2	—	—	640	—	1072	481	
		3	—	—	680	—	1080	482	
		4	—	—	670	—	1076	482	
		5	—	—	772	—	1062	483	
		6	—	—	839	—	1062	487	
		7	—	—	938	—	1064	488	
		8	—	—	994	—	1067	488	
15.4	p	1	1548	697	856	—	1067	490	
	p	1	1550	747	950	949	1082	491	
15.6	p	2	1560	651	990	—	1071	493	
15.8	p	2	1582	528	678	671	1090	491	
	p	3	1589	718	920	—	1079	493	
16.0	p	3	1605	773	1023	1021	1079	497	
	p	4	1600	837	903	908	1079	497	
	p	4	1602	983	929	—	1090	497	
16.2	p	5	1617	468	969	—	1088	499	
	p	5	1630	564	940	944	1079	498	
	p	6	1630	692	760	757	1077	499	
	p	7	1632	830	762	757	1071	500	
16.4	p	6	1641	438	991	—	1063	500	
	p	8	1640	810	1013	1021	1089	501	
	p	7	1652	1069	980	—	1079	500	
	p	8	1640	1061	756	—	1087	500	
16.6	p	9	1659	738	944	951	1081	501	
	p	9	1661	1026	981	—	1090	501	
	p	10	1663	1100	959	—	1088	502	
16.8	p	10	1697	599	970	963	1077	503	
	p	11	1680	688	1031	1012	1076	503	

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d-Dk.	Defl-Dk.	Defl-Dk	Reduced	Reduced	Magn.	L. No.
602	11	—	17	—		
591	62	—	105	—		
591	159	—	269	—		
598	198	—	330	—		
594	188	—	317	—		
579	289	—	497	—		
575	346	—	602	—		
576	450	—	783	—		
579	506	—	863	—		
577	366	—	635	—		1030 X
591	459	458	776	793	7.84, 7.89	
578	497	—	860	—		
599	187	180	311	300	5.74, 5.68	
586	427	—	726	—		1044 X
582	526	524	904	900	8.34, 8.33	
582	406	411	697	716	7.46, 7.55	
593	432	—	727	—		
589	470	—	798	—		926 X
581	442	443	760	762	7.75, 7.76	
578	261	258	452	445	6.35, 6.33	
571	262	257	458	450	6.38, 6.34	
563	441	—	784	—		
588	512	520	867	883	8.21, 8.25	
579	480	—	828	—		1214 X
587	256	—	440	—		↓
580	443	450	765	777	7.78, 7.84	
589	480	—	814	—		1201 X
586	457	—	780	—		1235 X
574	467	461	812	802	7.98, 7.94	
573	528	509	923	888	8.41, 8.28	

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DJP – RA 1889 – Aug 21, 1930

Strip	Class	Star	y	x	Dyn	Dyn	cc	Dk	Volts
17.0	D	12	1711	491	922	922	1078	506	
	D	11	1710	997	871	—	1086	506	
	D	13	1701	1120	822	801	1100	503	
17.2	D	14	1733	320	940	950	1073	512	
	D	12	1722	359	954	—	1064	511	
	D	15	1727	466	647	637	1081	511	
	D	13	1720	483	939	—	1078	510	
	D	16	1722	826	960	972	1073	511	
	D	14	1735	899	943	—	1081	511	
17.4	D	17	1739	626	883	877	1089	511	
	D	18	1742	991	803	780	1088	511	
17.6	D	19	1768	437	977	977	1073	511	
	D	15	1769	577	987	—	1079	502	
	D	20	1761	648	1050	1008	1079	511	
	D	21	1771	670	990	999	1078	511	
	D	22	1761	721	880	867	1082	511	
	D	23	1764	729	998	986	1077	511	
	D	16	1770	779	911	—	1075	511	
	D	17	1774	816	1033	—	1091	512	
17.8	D	24	1797	282	1013	1013	1072	511	
	D	25	1785	602	900	912	1080	511	
	D	26	1782	836	729	731	1083	511	
	D	18	1792	1001	1003	—	1079	512	
18.0	D	27	1797	281	1013	998	1072	513	
	D	28	1809	771	807	798	1082	511	
	D	19	1814	969	822	—	1088	512	
	D	20	1810	992	893	—	1090	513	
18.2	D	21	1830	869	1010	—	1088	513	
	D	22	1829	962	932	—	1090	512	
	D	29	1822	967	943	935	1090	513	

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Cl-Dk.	Defl-Dk.	Defl-Dk.	Reduced.	Reduced.	Magn.	L. No.
572	416	416	727	727	7.60, 7.60	
580	365	—	630	—		1208x
597	319	298	535	499	6.74, 6.55	
561	428	438	764	782	7.77, 7.85	
553	443	—	802	—		880x
570	136	126	238	221	5.32, 5.22	
568	429	—	755	—		907✓
562	449	461	802	822	7.94, 8.02	
570	432	—	757	—		
578	372	366	642	633	7.22, 7.18	
577	292	269	506	467	6.59, 6.44	
562	466	466	830	830	8.05, 8.05	
577	485	—	841	—		
568	539	487	946	853	8.50, 8.14	
567	479	488	846	862	8.12, 8.18	
571	369	356	646	622	7.24, 7.13	
566	487	475	860	840	8.18, 8.09	
564	400	—	709	—		1109✓
579	521	—	899	—		
561	502	502	894	894	8.30, 8.30	
569	389	401	684	704	7.42, 7.49	
572	218	220	382	385	6.05, 6.06	
567	491	—	866	—		1244✓
559	500	485	894	867	8.30, 8.20	
571	296	287	518	502	6.65, 6.56	
576	310	—	542	—		
577	380	—	660	—		1251✓
575	494	—	863	—		1189✓
578	420	—	725	—		1244.6✓
577	430	422	745	730	7.68, 7.62	

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WJP - RH 1889 - Aug. 21, 1930.

Strip	Class	Star	η	ζ	Diff	Diff	Cl	Hk	Volts
		30	1823	1050	740	750	1089	512	
18.4		31	1847	428	1010	1022	1071	513	
		23	1843	509	1002	—	1071	514	
		32	1839	880	1017	1010	1090	513	
		24	1840	1173	949	—	1101	513	
18.6		25	1876	187	968	—	1061	513	
		26	1875	327	818	—	1066	512	
		27	1860	630	1039	—	1083	512	
		33	1861	942	1037	1015	1089	512	
		28	1870	979	811	—	1089	513	
		34	1871	1123	1011	1029	1104	512	
18.8		29	1880	278	932	—	1061	513	
		35	1888	349	760	758	1071	514	
		36	1892	378	883	878	1070	514	
		37	1881	602	657	648	1087	512	
		38	1898	733	962	973	1087	514	
		30	1880	808	898	—	1080	514	
		31	1890	954	992	—	1090	514	
		39	1878	1031	920	910	1094	514	
		40	1884	1079	1012	990	1088	515	
		32	1890	1199	862	—	1090	513	
19.0		33	1902	1119	1028	—	1097	516	
		41	1901	1254	729	702	1094	514	
19.2		42	1920	261	928	947	1063	516	
		43	1920	701	990	952	1081	517	
		34	1930	728	1021	—	1087	516	
19.4		44	1939	689	773	811	1081	516	
		35	1940	1056	662	—	1091	516	
19.6		36	1951	662	952	—	1083	518	
		45	1959	971	860	888	1088	514	

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1930phae.proj.12780

Cl.-Dk.	Defl. Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
577	228	238	395	412	6.12, 6.19	
558	497	509	890	912	8.29, 8.37	
557	488	—	878	—		893 ✓
577	504	497	875	860	8.24, 8.18	
588	436	—	740	—		23 x
548	455	—	829	—		
554	306	—	552	—		805 ✓
571	527	—	922	—		977 x
577	525	503	911	873	8.37, 8.23	
576	298	—	517	—		1279 ✓
592	499	517	844	872	8.10, 8.22	
548	419	—	766	—		790 ✓
557	246	244	442	439	6.31, 6.30	
556	369	364	665	655	7.33, 7.28	
575	145	136	252	236	5.40, 5.30	
578	448	459	781	800	7.84, 7.93	
566	384	—	677	—		1171 ✓
576	478	—	831	—		
580	406	396	700	683	7.47, 7.41	
573	497	475	866	828	8.20, 8.04	
577	349	—	606	—		51 x
581	512	—	879	—		
580	215	188	381	326	6.05, 5.82	
547	412	431	752	787	7.72, 7.87	
564	477	435	849	772	8.13, 7.81	
571	505	—	885	—		
565	257	295	455	522	6.37, 6.66	
548	149	—	257	—		56 ✓
565	434	—	767	—		
574	346	374	604	652	7.04, 7.26	

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1930phae.proj.12780

8

HP-RH 1889- Aug. 21, 1920.

Strip	Class	Star	Y	X	Defl	Defl	Ce	Dk	Volts
	p	37	1970	980	880	—	1090	514	
20.0	p	38	2001	359	1049	—	1070	517	
	p	39	2003	473	983	—	1079	518	
	p	46	2010	748	868	909	1083	517	
	p	47	1998	971	1004	993	1089	518	
20.2	p	48	2035	958	628	650	1092	517	
	p	40	2023	1008	1012	—	1085	518	
	p	49	2023	1188	880	877	1090	518	
20.4	p	50	2054	401	708	772	1064	514	
	p	41	2050	867	1002	—	1083	517	
	p	51	2042	909	1019	1003	1080	517	
	p	42	2048	1118	969	—	1090	518	
	p	52	2040	1202	1009	999	1095	518	
20.6	p	53	2075	169	993	989	1062	517	
	p	54	2070	172	824	832	1068	518	
	p	43	2073	341	900	—	1072	517	
	p	55	2062	377	1020	1001	1073	518	
	p	56	2070	529	681	707	1082	517	
	p	57	2072	708	928	921	1087	519	
	p	58	2063	1111	973	966	1099	519	
		10	2040	793	531	—	1057	518	
		1	1793	523	574	—	1072	517	
		2	—	—	674	—	1083	518	
		3	—	—	711	—	1086	518	
		4	—	—	697	—	1080	519	
		5	—	—	780	—	1073	518	
		6	—	—	877	—	1078	517	
		7	—	—	893	—	1072	517	
		8	—	—	1016	—	1061	517	

505

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1930phae.proj.12481

Cl-Dk.	Defl-dk	Defl-dk	Reduced	Reduced	magn.	L.M.
546	366	—	637	—		62✓
557	532	—	957	—		
561	465	—	830	—		765✓
566	351	392	620	693	7.13, 7.44	
571	486	475	850	832	8.14, 8.05	
575	101	133	176	232	4.92, 5.28	
567	494	—	873	—		
572	362	359	633	628	7.18, 7.16	
550	244	258	443	468	6.32, 6.44	
566	485	—	857	—		
563	502	486	890	863	8.29, 8.18	
572	451	—	790	—		118✓
571	491	481	852	783	8.13, 7.86	
545	476	472	865	865	8.20, 8.20	
550	306	314	552	571	6.81, 6.92	
555	383	—	690	—		713✓
555	502	483	910	871	8.36, 8.21	
565	164	180	290	336	5.87, 5.61	
568	409	402	720	705	7.57, 7.49	
580	454	447	782	770	7.83, 7.80	
539	13	—	24	—		
555	57	—	103	—		
565	156	—	275	—		
568	193	—	335	—		
561	178	—	316	—		
555	262	—	472	—		
556	360	—	648	—		
555	376	—	677	—		
544	499	—	917	—		

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XJP- RH 1889- Aug. 22, 1930.

Strip	Class	Star	y	x	Dyfe	Dyfe	Cl	Dkc	Volts
		1A	2040	767	507	—	1173	491	545
		1	1793	498	561	—	1162	493	
		2	—	—	654	—	1159	497	
		3	—	—	721	—	1158	493	
		4	—	—	692	—	1140	498	
		5	—	—	774	—	1116	498	
		6	—	—	849	—	1120	500	
		7	—	—	920	—	1121	500	
		8	—	—	1050	—	1113	502	
20.8	p	44	2098	965	1032	—	1138	501	
	p	45	2091	1080	1002	—	1135	501	
	d	59	2089	1131	1060	1049	1139	503	
21.0	d	60	2098	325	1031	1022	1119	502	
	d	61	2103	517	1032	1031	1118	503	
	d	62	2108	1136	923	950	1136	506	
	d	63	2112	1158	1027	1021	1122	506	
	p	46	2099	1162	1041	—	1136	507	
21.2	p	47	2139	518	719	—	1119	508	
21.4	d	64	2134	197	1048	1046	1110	518	
	d	65	2140	203	911	913	1114	507	
	p	48	2158	234	948	—	1096	510	
21.6	p	49	2161	100	978	—	1103	510	
	p	50	2167	158	967	—	1107	510	
	d	66	2159	204	1052	1020	1117	511	
	p	51	2159	347	1038	—	1118	511	
	d	67	2162	490	898	900	1125	512	
	d	68	2170	839	980	993	1132	512	
21.8	p	52	2198	346	891	—	1106	506	
	p	53	2191	417	758	—	1127	511	
	p	54	2184	470	988	—	1116	507	

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1930phae.proj.12810

Cl-Dk	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn.	L. No.
682	16	—	23	—		
669	68	—	102	—		
652	167	—	256	—		
665	228	—	343	—		
642	194	—	303	—		
618	276	—	445	—		
620	349	—	663	—		
621	420	—	677	—		
611	548	—	900	—		
637	531	—	833	—		
634	501	—	790	—		
636	557	546	878	858	8.23, 8.17	
617	529	520	859	843	8.18, 8.10	
615	529	528	860	859	8.18, 8.17	
630	417	444	661	705	7.38, 7.54	
616	521	515	844	835	8.11, 8.08	
629	534	—	848	—		
611	211	—	345	—		
592	530	528	897	895	8.31, 8.30	
607	404	406	666	669	7.39 7.40	
586	438	—	750	—		
593	468	—	790	—		683
597	457	—	768	—		
606	541	509	893	841	8.30, 8.29	
607	527	—	868	—		664
613	386	388	626	632	7.22, 7.25	
620	468	481	755	775	7.74, 7.84	
600	385	—	642	—		642
616	247	—	402	—		625
609	481	—	790	—		601

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DJP - RH 1889 - Aug 22, 1930.

Strip	Class	Star	y	x	Dspl	Dspl	Cc	dk	Volts
		69	2183	710	929	904	1117	510	
		70	2180	747	1051	1073	1120	512	
		55	2188	969	697	—	1120	512	
		56	2194	1139	773	—	1143	512	
22.0		71	2208	940	1048	1026	1144	513	
		72	2198	1007	869	837	1132	513	
22.2		73	2234	108	884	872	1110	513	
		74	2223	761	978	970	1129	517	
22.4		57	2250	137	562	—	1099	516	
		58	2250	359	775	—	1111	517	
22.6		59	2267	167	976	—	1104	518	
		60	2273	1033	864	—	1140	517	
22.8		61	2288	389	957	—	1109	513	
		75	2280	617	803	812	1129	517	
		76	2280	819	943	966	1121	517	
		77	2280	883	1029	1032	1120	518	
		62	2289	929	1001	—	1137	519	
		63	2291	1237	1010	—	1143	519	
23.0		78	2300	179	630	627	1105	516	
		64	2314	418	900	—	1111	518	
		65	2305	740	770	—	1113	517	
		79	2317	1220	927	903	1133	519	
23.2		66	2320	807	970	—	1120	517	
		67	2320	941	802	—	1130	520	
		80	2325	1101	1061	1031	1139	519	
23.4		81	2343	683	1052	1041	1108	519	
		68	2351	941	783	—	1123	521	
		82	2350	1140	1032	1020	1116	520	
		69	2352	1173	633	—	1128	519	
23.8		83	2384	930	724	722	1131	519	

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1930phae.proj.12810

Q-DR	Defl.-DR	Defl.-DK	Reduced	Reduced Magn.		L. No.
607	419	394	691	649	7.39, 7.31	
608	539	561	885	918	8.26, 8.42	
608	185	—	304	—		
631	261	—	413	—		183 x
631	535	513	848	815	8.12, 8.02	
619	356	324	575	523	7.03, 6.87	
597	374	359	627	601	7.23, 7.12	
612	461	453	754	740	7.75, 7.68	
583	46	—	79	—		660 x
594	258	—	434	—		606 ✓
586	458	—	783	—		
623	347	—	556	—		240 ✓
596	444	—	746	—		
612	286	295	467	484	6.68, 6.73	
604	426	449	705	744	7.55, 7.70	
602	511	514	850	855	8.12, 8.16	
618	482	—	780	—		274 ✓
624	491	—	786	—		206 x
589	114	111	193	188	5.18, 5.10	
593	382	—	644	—		
596	253	—	425	—		376 ✓
614	408	384	665	626	7.39, 7.23	
603	453	—	752	—		
610	282	—	461	—		279 ✓
620	542	512	873	825	8.22, 8.05	
589	533	522	905	884	8.36, 8.27	
602	262	—	435	—		294 ✓
596	512	500	858	840	8.18, 8.09	
509	114	—	224	—		239 x
612	205	203	335	332	6.02, 6.01	

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1930phae.proj.12780

ZJP – R # 1889 – Aug 22, 1930

Strip	Class	Star	½	Xc	Decl	Decl	Cl	Clk	Faults
		84	2382	947	1012	1007	1128	520	
		70	2381	1207	754	—	1128	518	
24.0		71	2409	941	964	—	1123	520	
24.2		85	2432	479	962	973	1117	520	
24.4		86	2448	393	1022	993	1100	521	
		87	2452	540	706	715	1110	519	
24.6		72	2470	406	630	—	1110	519	
		88	2472	572	953	950	1113	519	
		89	2471	930	932	937	1121	520	
24.8		90	2482	436	850	849	1104	518	
		73	2481	628	979	—	1109	519	
		91	2491	843	780	742	1103	519	
		74	2474	1055	938	—	1137	519	
25.0		92	2512	470	1020	1070	1116	519	
		93	2502	1002	1047	1040	1128	521	
25.2		75	2522	433	1017	—	1107	520	
		94	2519	481	703	719	1106	519	
		95	2529	1081	829	817	1119	520	
25.4		76	2550	559	803	—	1107	520	
		77	2550	708	972	—	1109	519	
25.6		96	2559	579	922	918	1096	520	
25.8		78	2587	597	1007	—	1110	520	
		79	2580	692	770	—	1103	520	
		97	2593	837	872	871	1111	519	
26.2		98	2630	798	920	920	1115	522	
26.4		99	2640	818	860	851	1112	522	
26.6		100	2659	598	717	699	1101	520	
		80	2670	671	1020	—	1100	520	
		81	2663	907	993	—	1110	518	
26.8		1S	2040	767	537	—	1118	521	

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Cl-Dk.	Defl.-Dk	Defl.-Dk	Reduced	Reduced	Magn.	L. Ha
608	492	487	806	800	7.98, 7.96	
616	236	—	387	—		242x
603	444	—	735			
597	442	453	740	760	7.69, 7.79	
579	501	472	865	812	8.20, 8.01	
591	187	196	315	332	5.91, 6.00	
591	111	—	188	—		
594	434	431	730	725	7.15, 7.12	
601	412	417	685	694	7.44, 7.50	
586	332	331	567	565	6.99, 7.00	
590	460	—	780	—		451v
584	261	223	446	—		
618	419	—	381			297x
591	501	551	847	931	8.12, off curve.	
607	526	519	867	856	8.20, 8.16	
587	497	—	846	—		523x
587	184	200	313	341	5.91, 6.04	
599	309	297	516	496	6.83, 6.77	
587	283	—	484	—		
590	453	—	759	—		
576	402	398	697	692	7.51, 7.49	
590	487	—	823	—		457x
583	256	—	428	—		426x
592	353	352	597	596	7.10, 7.09	
593	398	398	671	671	7.42, 7.42	
590	338	329	589	558	7.07, 6.99	
581	197	179	~~862~~ 840	308	6.04, 5.88	
580	500	—	862	—		
592	475	—	804	—		
597	16	—	27	—		

1930phae.proj.1278C

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1930phae.proj.12780

XP - RH 1889 - Aug 22, 1930

Strip	Class	Star	y	x	Defl	Defl	Cl	Dk	Volts
Plate finished		1	1493	498	578	—	1132	520	
		2	—	—	660	—	1142	521	
		3	—	—	700	—	1148	520	
		4	—	—	690	—	1132	520	
		5	—	—	782	—	1118	521	
		6	—	—	863	—	1123	520	
		7	—	—	916	—	1119	521	
		8	—	—	1050	—	1130	522	525

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1930phae.proj.12780

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L.Ko.
612	58	—	95	—		
621	139	—	224	—		
628	180	—	287	—		
612	170	—	278	—		
597	261	—	439	—		
603	343	—	568	—		
598	395	—	660	—		
508	528	—	1004	—		

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Note: Plate is very dark. — 2 H.S. — R.H. 1989 — Aug 29, 1930

Strip	Class	Star	y	x	Dyx	Dyf	Cl	Dk	Delta
		11	2020	751	572	—	650	450	515
		1	1758	771	565	—	650	450	
		2	—	—	578	—	650	451	
		3	—	—	589	—	650	451	
		4	—	—	596	—	647	452	
		5	—	—	600	—	647	452	
		6	—	—	616	—	650	452	
		7	—	—	615	—	651	452	
		8	—	—	630	—	648	453	
15.4			1540	517	610	609	657	453	
			1540	628	633	630	656	454	
15.6			1564	464	640	639	658	457	
			1560	710	631	630	660	458	
			1570	709	644	—	661	458	
15.8			1598	660	642	637	659	459	
			1590	822	613	609	660	460	
16.0			1614	651	650	647	662	460	
			1608	709	644	643	662	461	
			1610	712	568	567	664	461	
			1597	837	645	—	661	461	
			1603	875	649	—	662	461	
16.2									

Omit

Instrument out of focus

Extensive drifting

Plate poor

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Xgp - R+ 1995 - aug 20, 1930

Strip	Class	Star	y	x	Defl	Defl	Cl	Clk	Volts
		1a	1935	814	440	—	787	432	525
		1	2012	461	460	—	798	434	
		2	—	—	487	—	783	435	
		3	—	—	512	—	780	437	
		4	—	—	511	—	797	438	
		5	—	—	561	—	783	439	
		6	—	—	600	—	803	440	
		7	—	—	608	—	812	440	
		8	—	—	688	—	786	440	
14.6	g	1	1458	804	682	703	761	440	
	g	2	1477	823	651	658	773	441	
	g	3	1469	836	700	698	777	442	
14.8	g	4	1479	710	569	570	773	442	
15.0	p	1	1509	867	649	—	781	442	
	p	2	1517	921	592	—	772	443	
15.2	p	3	1526	567	632	—	780	446	
	g	5	1530	618	720	759	781	446	
	p	4	1527	638	691	—	773	447	
	p	5	1537	761	704	—	782	448	
	p	6	1528	819	666	—	787	449	
	p	7	1537	853	737	—	781	450	
15.4	p	8	1549	650	732	—	781	450	
	p	9	1547	858	725	—	787	451	
15.6	g	6	1570	518	741	741	777	451	
	p	10	1569	598	674	—	779	451	
	p	11	1579	658	610	—	791	451	
	p	12	1571	751	713	—	796	451	
	p	13	1568	797	701	—	786	451	
	g	7	1568	1002	741	732	796	452	
15.8	g	8	1580	441	606	597	761	452	

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d.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
355	08	—	22	—		
364	26	—	71	—		
348	52	—	149	—		
343	75	—	218	—		
369	73	—	204	—		
344	122	—	353	—		
363	160	—	441	—		
372	168	—	454	—		
346	248	—	718	—		
321	242	263	750	813	8.39, 8.66	
332	210	217	631	651	7.92, 8.00	
335	258	256	767	757	8.46, 8.43	
331	127	128	383	386	6.85, 6.87	
339	207	—	613	—		23 +
329	149	—	453	—		51 +
334	186	—	556	—		1264 +
335	274	313	817	932	8.70, off curve	
326	244	—	749	—		1201 +
334	256	—	770	—		
338	217	—	641	—		8 +
331	287	—	869	—		
331	282	—	851	—		
336	274	—	817	—		
326	290	290	890	890	9.02, 9.02	
328	223	—	680	—		1176 +
340	159	—	468	—		1208 +
345	262	—	758	—		
335	250	—	745	—		
344	289	280	840	815	8.80, 8.68	
309	154	145	493	462	7.37, 7.24	

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1930phae.proj.12780

HJP-RH 1995 - Aug 30, 1930.

trip	Class	Star	y	b	Defl	Defl	Cl	Dk. Foto
		9	1573	458	630	638	770	452
		10	1584	562	710	719	789	452
		14	1578	658	612	—	793	453
		15	1588	883	698	—	788	453
		16	1580	1028	722	—	795	453
16.0		11	1612	420	515	521	793	453
		17	1604	986	708	—	793	456
16.2		12	1621	487	579	567	777	454
		18	1630	487	690	—	790	457
		19	1621	730	713	—	792	457
		20	1640	739	613	—	791	458
		13	1628	758	700	703	791	459
		21	1624	843	719	—	790	458
		14	1630	1087	512	525	806	459
16.4		22	1651	405	720	—	789	459
		15	1650	453	669	698	798	460
		16	1643	678	708	712	795	460
		17	1641	799	712	728	792	460
		23	1655	832	727	—	791	468
		18	1644	1042	688	692	796	460
		19	1641	1140	711	712	802	460
16.6		20	1671	459	726	719	796	460
		24	1660	581	742	—	803	461
		25	1670	626	667	—	792	461
		26	1660	731	583	—	791	460
		27	1672	737	680	—	803	461
		21	1671	746	691	682	789	461
		22	1660	878	749	758	800	462
		28	1661	882	630	—	790	461
		29	1673	1002	664	—	790	461

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1930phae.proj.12780

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L No.
318	178	186	558	583	7.64, 7.72	
337	258	267	765	791	8.45, 8.56	
340	159	—	468	—		1208 +
335	245	—	730	—		
342	269	—	789	—		
340	62	68	182	200	5.45, 5.60	
339	252	—	748	—		90 +
323	125	113	387	350	6.87, 6.65	
333	233	—	700	—		
335	256	—	762	—		1244
333	155	—	465	—		1251
332	241	244	723	732	8.28, 8.32	
332	261	—	783	—		
347	53	66	152	190	5.15, 5.53	
330	261	—	790	—		
338	209	238	620	705	7.88, 8.21	
335	248	252	741	751	8.35, 8.40	
332	252	268	758	809	8.43, 8.64	
331	267	—	808	—		
336	228	232	679	691	8.10, 8.15	
342	251	252	732	737	8.32, 8.34	
336	263	259	781	770	8.51, 8.47	
342	281	—	820	—		
331	206	—	622	—		1166
331	123	—	372	—		1242
342	219	—	641	—		1246
328	230	221	702	672	8.20, 8.08	
338	287	296	850	875	8.90, diffuse	
329	69	—	210	—		56
329	203		617	—		118

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1930phae.proj.12780

2 gP – RH 1995 – Aug 30, 1930.

Strip	Class	Star	y	d	Dep'l	Dep'l	α	Δk	Volts
16.8	p	23	1684	442	716	736	801	461	
	p	30	1686	780	579	—	804	461	
	p	31	1692	790	734	—	797	462	
	p	32	1690	801	739	—	800	462	
	p	24	1680	919	660	679	792	463	
	p	25	1681	1019	750	751	802	464	
17.0	p	33	1701	359	660	—	798	463	
	p	26	1713	478	734	737	805	464	
	p	27	1700	559	746	752	800	464	
	p	34	1716	782	680	—	801	465	
	p	28	1700	842	528	534	803	464	
	p	35	1716	839	727	—	798	466	
	p	29	1700	850	759	759	805	464	
	p	36	1710	1036	667	—	800	466	
17.2	p	37	1729	356	662	—	800	464	
	p	38	1737	397	742	—	802	466	
	p	39	1734	400	680	—	809	466	
	p	30	1732	495	716	723	797	467	
	p	40	1720	501	720	—	803	467	
	p	41	1720	1152	570	—	807	467	
17.4	p	31	1738	319	753	757	820	468	
	p	32	1750	521	751	759	809	469	
	p	42	1751	687	705	—	807	469	
	p	33	1740	858	767	786	810	470	
	p	43	1741	863	624	—	808	470	
	p	44	1750	922	702	—	802	470	
17.6	p	45	1763	341	751	—	815	470	
	p	46	1771	340	721	—	812	470	
	p	34	1760	602	659	668	804	470	
	p	47	1763	610	720	—	816	470	

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1930phae.proj.12700

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
340	255	275	750	809	8.40, 8.65	
343	118	—	344	—		1279 ✓
335	272	—	810	—		
338	277	—	820	—		
329	197	213	616	666	7.86, 8.06	
338	286	287	846	847	8.85, 8.86	
335	197	—	587	—		1043 +
341	270	273	792	800	8.56, 8.60	
336	282	288	840	860	8.83, 8.95	
336	215	—	640	—		
339	64	76	218	238	5.76, 5.93	
332	261	—	787	—		~~602~~
341	295	295	863	868	8.97, 9.00	
334	201	—	603	—		
336	138	—	410	—		1030 +
336	276	—	822	—		1044 +
343	214		623	—		
330	249	256	696	777	8.17, 8.50	
336	253	—	756	—		
340	103	—	299	—		183 +
352	285	289	810	820	8.66, 8.70	
340	282	290	828	854	8.75, 8.93	
338	236	—	697	—		1189 ✓
340	297	316	871	928	off curve	
338	154	—	455	—		62 ✓
332	232	—	700	—		
345	281	—	813	—		
342	251	—	731	—		
334	189	198	565	593	7.66, 7.77	
346	250	—	723	—		

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1930phae.proj.12780

XgP - R4 1995 - Aug 30, 1930

Strip	Class	Star	y	x	Dyell	Dyfl	cl	Dk	Volts	
	p	48	1963	1207	743	—	813	470		
17.8	p	49	1790	583	637	—	810	471		
	p	35	1791	754	758	761	818	471		
	p	36	1790	767	778	771	808	471		
	p	37	1784	1034	550	560	807	470		
	p	38	1789	1227	767	771	819	471		
18.0	p	39	1800	728	698	708	812	471		
	p	40	1800	756	612	519	810	471		
	p	50	1802	953	729	—	814	471		
	p	51	1804	972	699	—	809	471		
	p	52	1802	1043	758	—	811	471		
	p	53	1810	1130	756	—	809	471		
	p	41	1800	1218	580	593	817	471		
	p	54	1813	1278	733	—	813	471		
18.2	p	42	1830	310	631	640	814	471		
	p	43	1831	312	655	674	809	471		
	p	55	1830	690	647	—	810	472		
	p	44	1836	914	737	750	818	472		
	p	45	1830	1195	722	732	825	472		
	p	56	1820	1250	749	—	822	472		
	p	57	1830	1297	707	—	820	472		
		10	1935	814	484	—	810	472		
		1	2012	461	602	—	828	472		
		2	—	—	630	—	807	472		
		3	—	—	640	—	804	472		
		4	—	—	654	—	827	472		
		5	—	—	679	—	811	473		
		6	—	—	616	—	831	472		
		7	—	—	641	—	841	473	520	
		8	—	—	720	—	817	473		

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1930phae.proj.12780

Cl.-Dk.	Defl.-Dk.	Defl.-Dk	Reduced	Reduced	Magn.	L. No.
343	273	—	793	—		
339	166	—	489	—		1109
347	287	290	826	835	8.74, 8.80	
337	307	300	911	890	off curve	
337	80	90	237	267	5.92, 6.13	
348	296	300	851	863	8.90, 8.97	
341	227	239	667	695	8.06, 8.17	
349	41	48	117	137	4.84, 5.02	
343	258	—	751	—		
338	228	—	673	—		
340	287	—	843	—		
338	285	—	843	—		
346	109	122	315	352	6.45, 6.66	
342	262	—	765	—		
343	160	169	467	493	7.27, 7.37	
338	184	203	543	600	7.57, 7.80	
338	175	—	517	—		1171
346	265	278	765	804	8.45, 8.63	
353	250	260	707	737	8.23, 8.34	
350	277	—	790	—		
348	235	—	673	—		255
368	12	—	33	—		
356	30	—	84	—		
335	58	—	173	—		
332	68	—	204	—		
355	82	—	231	—		
338	106	—	312	—		
359	144	—	402	—		
368	168	—	459	—		
344	247	—	717	—		

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1930phae.proj.12780

ZgP – R + 1995 – Sept 2, 1930.

Strip	Class	Star	y	x	Dyel	Dyel	Ce	Dk	Volts
		1A	1932	720	484	—	1100	424	515
		1	2010	367	588	—	1152	427	
		2	—	—	590	—	1169	429	
		3	—	—	603	—	1178	429	
		4	—	—	700	—	1177	429	
		5	—	—	735	—	1191	430	
		6	—	—	890	—	1153	430	
		7	—	—	930	—	1231	430	
		8	—	—	1030	—	1190	432	
18.4		46	1840	303	1092	1107	1171	439	
		47	1849	399	1071	1090	1160	433	
		48	1850	427	1071	1106	1180	437	
		49	1850	442	1081	1100	1189	438	
		50	1846	672	1068	1063	1207	438	
		51	1846	608	981	1029	1182	438	
		58	1852	954	710	—	1216	438	
		59	1851	1063	837	—	1226	439	
18.6		52	1858	237	1042	1063	1163	440	
		60	1871	743	1096	—	1207	440	
		53	1868	1139	911	888	1238	440	
18.8		54	1880	557	891	901	1190	441	
		55	1877	588	1117	1127	1186	441	
		56	1897	601	1062	1067	1205	441	
		61	1880	768	1078	—	1216	442	
		57	1881	988	1100	1100	1221	443	
		62	1888	1060	1050	—	1234	443	
		63	1883	1136	910	—	1243	443	
19.0		64	1905	191	1081	—	1190	443	
		58	1900	236	933	961	1177	442	
		59	1900	667	1091	1120	1177	443	

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1930phae.proj.12760

Cl. Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
676	60	—	89	—		
725	161	—	222	—		
740	161	—	218	—		
749	224	—	299	—		
748	321	—	429	—		
761	305	—	400	—		
723	460	—	635	—		
801	500	—	625	—		
758	598	—	792	—		
738	659	674	891	912	8.87, 9.02	
727	638	654	880	908	8.80, 8.98	
743	634	669	852	900	8.60, 8.95	
751	643	662	852	877	8.60, 8.78	
769	630	625	819	813	8.37, 8.34	
744	543	591	730	794	7.92, 8.23	
778	272	—	349	—		205
787	398	—	504	—		240
723	602	623	832	861	8.46, 8.66	
767	656	—	853	—		
798	471	448	590	561	7.20, 7.07	
649	450	460	694	710	7.72, 7.82	
745	676	686	907	920	8.98, 9.10	
764	621	626	812	818	8.34, 8.37	
774	636	—	821	—		105
778	707	654	907	846	8.98, 8.55	
791	607	—	763	—		
800	467	—	582	—		264
747	638	—	855	—		
735	491	519	667	723	7.54, 7.88	
734	648	677	882	922	8.80, 9.10	

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1930phae.proj.12780

Dyf – RH 1995 – Sept 2, 1930

Strip	Class	Star	y	x	Dep e	Dep f	ce	dk	Volts
	p	65	1906	282	1136	—	1183	443	
	p	66	1900	509	1127	—	1198	443	
19.2	p	60	1928	669	680	686	1198	443	
	p	67	1937	688	1087	—	1212	444	
	p	61	1923	940	998	1040	1228	443	
	p	68	1931	1241	1089	—	1248	443	
19.4	p	69	1955	189	971	—	1171	447	
	p	70	1940	433	1062	—	1198	444	
	p	71	1957	479	1083	—	1196	446	
	p	62	1943	604	1090	1110	1190	447	
	p	72	1950	637	1123	—	1207	447	
	p	73	1941	765	1104	—	1223	447	
	p	74	1950	961	1077	—	1223	444	
	p	75	1945	1013	980	—	1231	447	
	p	76	1953	1048	814	—	1220	444	
	p	77	1955	1069	1105	—	1239	444	
	p	63	1950	1129	1143	1164	1257	448	
	p	78	1936	1146	1080	—	1223	447	
	p	64	1950	1221	651	697	1207	447	
	p	79	1950	1239	820	—	1257	447	
		18	1932	720	792	—	1148	443	
		1	2010	367	630	—	1185	447	
		2	—	—	669	—	1188	447	
		3	—	—	690	—	1196	447	
		4	—	—	793	—	1198	446	
		5	—	—	763	—	1205	444	
		6	—	—	893	—	1118	444	
		7	—	—	946	—	1232	447	515
		8	—	—	1075	—	1212	447	

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1930phae.proj.12780

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. K.
740	693	—	936	—		
755	684	—	905	—		
755	237	243	314	321	5.48, 5.54	
768	643	—	837	—		
785	555	597	707	760	7.80, 8.06	
805	646	—	801	—		
724	524	—	724	—		926+
754	618	—	821	—		
750	537	—	715	—		
743	643	663	866	891	8.70, 8.86	
760	676	—	887	—		
786	657	—	833	—		
789	633	—	804	—		
784	533	—	680	—		274✓
776	370	—	477	—		279✓
795	661	—	831	—		
809	695	716	859	885	8.64, 8.84	
776	633	—	815	—		
760	204	250	268	329	5.04, 5.60	
810	373	—	460	—		297+
705	49	—	70	—		
738	183	—	248	—		
741	222	—	298	—		
749	243	—	323	—		
752	347	—	474	—		
761	319	—	420	—		
674	449	—	665	—		
785	499	—	636	—		
765	578	—	755	—		

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1930phae.proj.12780

Kgp- RH 1995- Sept 3, 1930.

Strip	Class	Star	y	x	Defl	Defl	Cl	Dk	Tails
		1	1932	839	444	—	1113	402	510
		'	2010	484	562	—	1140	405	
		2	—	—	607	—	1150	408	
		3	—	—	660	—	1157	408	
		4	—	—	729	—	1163	410	
		5	—	—	720	—	1178	410	
		6	—	—	846	—	1182	411	
		7	—	—	950	—	1185	413	
		8	—	—	1018	—	1188	412	
19.6	p	80	1960	957	1071	—	1213	420	
	p	81	1971	1191	780	—	1207	421	
19.8	p	65	1992	328	1021	1022	1180	421	
	p	82	1997	310	1041	—	1170	421	
	p	66	1989	450	1011	1021	1179	423	
	p	67	1990	467	1047	1054	1171	423	
	p	68	1990	649	1012	1018	1177	426	
20.0	p	69	2008	341	1098	1068	1173	427	
	p	70	2010	397	1032	1041	1161	427	
	p	83	2001	400	978	—	1186	427	
	p	84	2000	709	974	—	1183	428	
	p	71	2012	947	997	1053	1210	429	
	p	85	2013	1227	1060	—	1248	430	
	p	86	2004	1237	909	—	1232	430	
20.2	p	87	2019	559	1051	—	1198	431	
	p	88	2031	633	1056	—	1192	431	
	p	72	2028	962	1018	1030	1212	431	
	p	73	2031	1273	1083	1114	1220	432	
20.4	p	74	2033	347	1033	1056	1181	433	
	p	89	2054	515	1092	—	1191	436	
	p	90	2053	1324	1177	—	1254	439	

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1930phae.proj.12780

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
711	42	—	59	—		
735	157	—	213	—		
742	199	—	268	—		
749	252	—	334	—		
753	319	—	422	—		
768	310	—	403	—		
771	435	—	563	—		
772	537	—	695	—		
776	606	—	780	—		
793	651	—	821	—		238
786	359	—	457	—		294
759	600	601	790	791	8.26, 8.26	
749	620	—	828	—		
756	588	598	778	790	8.18, 8.26	
748	624	631	823	841	8.50, 8.55	
751	586	592	780	787	8.20, 8.24	
746	671	641	899	858	8.95, 8.67	
734	605	614	823	836	8.44, 8.53	
759	551	—	723	—		907
755	546	—	723	—		
781	568	624	728	800	7.94, 8.30	
818	630	—	770	—		
802	479	—	598	—		
767	620	—	806	—		
761	625	—	820	—		
781	587	599	751	767	8.04, 8.13	
788	651	682	858	898	8.67, 8.93	
748	600	623	800	836	8.30, 8.50	
755	656	—	870	—		693
815	738	—	986	—		

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1930phae.proj.12780

Zap - BH 1995 - Sept 3, 1930

Strip	Class	Star	ny	δ	Dife	Dife	Ce	Dk Pets
	p	91	2042	1331	1183	—	1231	440
	p	92	2038	1334	1111	—	1243	440
20.6	p	93	2076	909	1010	—	1162	439
	p	94	2063	1089	973	—	1228	439
	d	75	2070	1217	804	797	1248	440
20.8	p	95	2093	1150	1136	—	1233	440
	d	76	2083	1382	1036	1042	1260	440
21.0	p	96	2109	931	1029	—	1180	440
	d	77	2113	558	877	868	1190	440
	p	97	2111	1039	809	—	1233	440
	d	78	2110	1041	1113	1100	1220	440
21.2	p	98	2130	422	1093	—	1181	439
	d	79	2127	492	843	862	1176	439
21.4	p	99	2139	483	1112	—	1197	440
	d	80	2140	1054	1091	1106	1220	441
	p	100	2150	1087	1053	—	1243	440
	p	101	2150	1089	1118	—	1243	441
	p	102	2141	1153	1048	—	1247	441
	p	103	2136	1262	1007	—	1251	441
21.6	p	104	2174	599	1075	—	1204	441
	d	81	2157	757	1108	1126	1207	443
	d	82	2160	837	941	950	1203	443
	d	83	2161	875	980	1002	1199	443
	d	84	2163	1157	768	811	1261	443
21.8	d	85	2190	533	569	571	1187	441
	p	105	2177	627	1082	—	1214	443
	p	106	2193	739	1129	—	1221	444
	p	107	2197	776	919	—	1223	444
	d	86	2179	957	1072	1013	1257	448
	d	87	2193	1303	1070	1091	1263	447

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1930phae.proj.12780

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
791	743	—	937	—		
803	671	—	836	—		
723	571	—	786	—		892
789	534	—	676	—		338
808	364	357	450	441	6.50, 6.45	
793	696	—	877	—		
820	596	602	726	733	7.93, 7.96	
740	589	—	796	—		880
750	437	428	581	570	7.16, 7.12	
793	369	—	465			376
780	673	660	861	845	8.70, 8.59	
742	654	—	883	—		
737	404	423	549	572	7.01, 7.13	
757	672	—	884	—		
779	650	665	833	853	8.50, 8.64	
803	613	—	763	—		
802	677	—	848	—		
806	607	—	751	—		
810	566	—	699	—		
763	634	—	830			
764	665	683	871	896	8.75, 8.90	
760	498	507	657	668	7.55, 7.62	
756	537	559	710	740	7.85, 8.00	
818	325	368	395	448	6.21, 6.48	
746	128	130	172	174	4.45, 4.47	6
771	539	—	699	—		775
777	685	—	882	—		
779	475	—	609	—		627
803	624	565	777	704	8.17, 7.82	
816	623	644	762	789	8.10, 8.25	

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1930phae.proj.12780

ZC-RH 1995 - Sept 3, 1930.

strip	Class	Star	y	x	Defe	Defe	ce	Dk Volts
22.0		88	2200	422	1100	1104	1199	448
		89	2207	1039	1029	1016	1239	447
		90	2204	1288	1101	1118	1249	449
22.2		91	2232	344	633	642	1183	447
		92	2230	390	930	910	1193	447
		93	2221	412	893	932	1212	448
		108	2222	437	932	—	1204	448
		94	2229	439	999	1016	1201	447
		95	2239	777	922	934	1232	448
		109	2233	943	1089	—	1254	450
		110	2230	1108	1050	—	1252	450
		96	2231	1143	1188	1172	1267	451
22.4		111	2250	376	1077	—	1207	450
		97	2240	507	1008	1004	1204	450
		98	2240	668	1102	1110	1223	450
		99	2253	739	917	909	1223	451
		100	2239	777	949	948	1239	450
		101	2244	808	1000	1013	1230	451
		102	2252	899	1081	1099	1230	451
		103	2243	1000	1031	1051	1228	453
		104	2254	1084	1122	1127	1259	453
		1s	1932	839	498	—	1147	451
		1	2010	484	642	—	1202	451
		2	—	—	640	—	1191	451
		3	—	—	663	—	1200	451
		4	—	—	790	—	1199	451
		5	—	—	764	—	1209	450
		6	—	—	913	—	1214	453
		7	—	—	942	—	1246	453
		8	—	—	1063	—	1213	452

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1930phae.proj.12780

α.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn. Nils.	
751	652	656	867	871	8.74, 8.75	
792	582	569	733	723	7.96, 7.91	
800	652	669	811	835	8.38, 8.59	
736	186	195	253	265	5.24, 5.35	
746	483	463	647	620	7.50, 7.37	
764	445	484	583	634	7.17, 7.44	
756	484	—	639	—		805
754	552	569	731	755	7.95, 8.06	
784	484	486	619	621	7.36, 7.37	
804	639	—	795	—		
802	600	—	750	—		425
816	737	721	920	900	9.15, 8.96	
757	627	—	827			
757	558	554	736	731	7.98, 7.94	
773	652	660	845	855	8.58, 8.54	
772	466	458	605	595	7.29, 7.22	
789	499	498	631	630	7.42, 7.41	
779	549	562	705	720	7.82, 7.90	
779	630	648	810	830	8.48, 8.50	
775	598	598	745	770	8.01, 8.13	
806	669	674	829	835	8.49, 8.52	
696	47	—	67	—		
751	191		254	—		
740	189		256	—		
749	212		283	—		
748	339		453	—		
756	311		411	—		
761	460		605	—		
793	489		616	—		
761	611		809	—		

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1930phae.proj.12780

FMC RH 1995 Sept 3, 1930

Mag	Class	Star	y	x	Defl	Defl	Cl	Pk. Volts
		15	1932	839	480	—	1170	430
		1	2010	484	610	—	1180	431
		2	—	—	590	—	1169	435
		3	—	—	660	—	1174	435
		4	—	—	749	—	1190	435
		5	—	—	747	—	1190	435
		6	—	—	898	—	1163	438
		7	—	—	918	—	1240	438
		8	—	—	1050	—	1202	440
22.6	fp	112	2269	415	1025	—	1184	439
	fp	113	2270	558	1043	—	1209	440
	f	105	2269	1229	1040	1048	1251	442
	f	106	2262	1240	779	779	1252	443
22.8	fp	114	2280	1218	956	—	1255	445
23.0	f	107	2302	449	760	740	1204	443
	fp	115	2310	762	905	—	1239	442
	fp	116	2309	1120	993	—	1258	445
	fp	117	2310	1238	800	—	1287	445
23.2	fp	118	2328	609	984	—	1283	448
	f	108	2334	780	900	890	1250	448
23.4	f	109	2350	418	900	900	1219	447
	f	110	2350	859	956	951	1260	450
23.6	fp	119	2370	725	999	—	1244	450
23.8	fp	120	2390	777	910	—	1275	450
	fp	121	2389	823	1009	—	1245	450
	fp	122	2380	863	1005	—	1272	451
	f	111	2392	1117	800	808	1280	452
	fp	123	2390	1187	1038	—	1290	452
24.0	f	112	2409	502	1023	1010	1239	453
	f	113	2409	754	939	960	1262	452

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1930phae.proj.12801

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. Xo.
740	50	—	67	—		
749	179	—	239	—		
734	165	—	212	—		
739	225	—	304	—		
755	314	—	415	—		
755	312	—	414	—		
725	460	—	635	—		
802	480	—	598	—		
762	610	—	802	—		
745	586	—	787	—		790 ✓
769	603	—	785	—		748 ✓
809	598	606	740	750	7.66, 7.71	
809	336	336	418	418	6.31, 6.31	
810	511	—	602	—		420 +
761	317	297	418	390	6.31, 6.20	
797	463	—	580	—		625 ✓
813	548	—	675	—		451 ✓
842	355	—	422	—		426 +
785	536	—	683	—		713 ✓
802	452	442	564	651 (5)	6.89, 6.82	
772	453	453	588	588	6.95, 6.95	
810	506	501	625	618	7.15, 7.12	
794	549	—	691	—		642 ✓
825	460	—	558	—		606 ✓
795	559	—	703	—		587 ✓
821	554	—	675	—		
828	348	356	420	428	6.31, 6.36	
838	586	—	700	—		457 +
786	570	554	725	710	7.59, 7.52	
810	487	508	600	628	7.04, 7.18	

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1930phae.proj.12780

FMC R.A. 1995 Sept. 2, 1930

Strip	Class	Star	y	x	Diff	Diff	cc	dk Delta
24.0	f	114	2410	1112	758	757	1288	453
	p	124	2401	1135	840	—	1300	455
24.2	f	115	2420	497	825	830	1230	456
	p	125	2439	629	1006	—	1250	455
	f	116	2429	1110	924	935	1313	458
24.4	f	117	2448	1033	820	833	1294	457
24.6	f	118	2460	612	908	910	1270	458
24.8	f	119	2483	584	769	770	1268	460
	p	126	2480	984	769	—	1302	460
	p	127	2490	1041	1023	—	1310	460
25.0	p	128	2509	593	1041	—	1264	460
	f	120	2511	876	1040	1054	1310	460
25.2	f	121	2550	630	629	620	1283	460
		15	1932	839	500	—	1220	460
		1	2010	484	658	—	1229	460
		2	—	—	620	—	1210	460
		3	—	—	682	—	1219	460
		4	—	—	830	—	1220	460
		5	—	—	808	—	1230	460
		6	—	—	903	—	1160	460
		7	—	—	950	—	1273	461
		8	—	—	1140	—	1240	460

Plate finished

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Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L Ko.
835	305	304	364	362	6.07, 6.06	
845	385	—	455	—		479
774	369	374	477	482	6.53, 6.55	
795	551	—	693	—		679
875	466	477	533	546	6.76, 6.81	
837	363	376	433	450	6.38, 6.42	
812	450	452	555	557	6.85, 6.86	
808	309	310	382	384	6.17, 6.18	
842	309	—	367	—		536
850	563	—	661	—		523
804	581	—	722	—		681
850	580	594	682	698	7.41, 7.47	
823	169	160	205	194	4.95, 4.25	
760	40	—	53	—		
769	198	—	153	—		
750	160	—	214	—		
759	222	—	291	—		
760	370	—	487	—		
770	348	—	453	—		
700	443	—	632	—		
812	489	—	603	—		
780	680	—	872	—		

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1930phae.proj.12780

Dept-RH 701 – Sept 4, 1930.

Strip	Class	Star	y	x	Dept	Dept ce	Dk	Jacks
		10	2140	653	510	—	1937	503	525
		1	2019	1004	549	—	1908	504	
		2	—	—	607	—	1923	507	
		3	—	—	754	—	1942	507	
		4	—	—	722	—	1913	509	
		5	—	—	961	—	1912	510	
		6	—	—	1178	—	1956	513	
		7	—	—	1295	—	1940	513	
		8	—	—	1739	—	1957	519	
15.0		1	1512	610	1652	1611	1932	521	
		1	1501	735	1568	—	1937	523	
		2	1503	743	823	812	1891	523	
		3	1510	807	1645	1757	1933	530	
15.4		4	1540	722	673	653	1947	529	
		5	1550	723	1359	1341	1963	530	
		2	1540	827	1511	—	1933	531	
15.6		6	1570	689	1528	1512	1942	534	
		7	1570	729	1537	1539	1937	533	
16.0		3	1616	442	721	—	1964	537	
		8	1608	656	862	922	1952	536	
		4	1618	801	1502	—	1914	534	
		9	1615	939	911	930	1942	543	
16.8		10	1689	182	1472	1414	2016	539	
		11	1691	191	1663	1580	2015	540	
		12	1683	424	1551	1651	1983	542	
		5	1689	612	1401	—	1964	543	
		6	1680	659	1090	—	1948	541	
		13	1690	700	1141	1148	1958	544	
		7	1691	712	1280	—	1961	541	
		14	2140	653	552	—	1930	540	
		1	2019	1004	579	—	1940	541	

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1930phae.proj.1278C

Co-Dk	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn.	L. No
1434	7	—	5	—		
1404	45	—	32	—		
1426	100	—	70	—		
1435	247	—	172	—		
1404	213	—	151	—		
1402	451	—	322	—		
1443	665	—	461	—		
1427	782	—	548	—		
1438	1220	—	847	—		
1411	1131	1090	800	772	8.20, 8.08	
1414	1045	—	738	—		647 x
1368	300	279	219	211	6.19, 6.14	
1403	1115	1227	793	874	8.14, 8.47	
1418	144	124	102	84	5.52, 5.39	
1433	829	811	576	565	7.49, 7.46	
1402	1080	—	769			681 x
1407	994	978	706	695	7.87, 7.84	
1404	1004	1006	714	715	7.90, 7.90	
1427	184	—	129			536 x
1419	329	389	232	273	6.24, 6.43	
1380	968	—	701	—		679 ✓
1399	368	377	263	275	6.37, 6.44	
1477	933	875	632	592	7.65, 7.54	
1475	1123	1040	762	706	8.05, 7.87	
1441	1009	1109	698	767	7.85, 8.07	
1421	857	—	602	—		606 ✓ 587 ✓
1407	549	—	391	—		
1419	600	607	423	428	6.96, 6.98	
1420	739	—	518	—		642 ✓
1390	12	—	9	—		
1399	38	—	27	—		

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1930phae.proj.12780

Mag	Class	Star	Y	36	Dyll	dyll	Cl	Dk	Vol	C
		2	—	—	641	—	1970	540		
		3	—	—	742	—	1983	541		
		4	—	—	739	—	1937	541		
		5	—	—	932	—	1933	541		
		6	—	—	1241	—	1987	542		
		7	—	—	1288	—	1972	543		
		8	—	—	1727	—	1979	543	520	
		2 Yp-	B H 701	—	Sept 5 1930					
		10	2140	632	518	—	1881	507	520	
		1	2019	973	550	—	1870	510		
		2	—	—	610	—	1909	510		
		3	—	—	727	—	1930	511		
		4	—	—	711	—	1909	512		
		5	—	—	880	—	1904	513		
		6	—	—	1181	—	1953	514		
		7	—	—	1378	—	1922	516		
		8	—	—	1664	—	1943	518		
17.0	p	7	1713	281	947	—	1961	519		
	p	8	1700	552	1348	—	1913	520		
	p	14	1700	649	799	820	1950	520		
	p	9	1710	727	1573	—	1922	521		
	p	15	1713	989	1230	1220	1878	522		
17.2	p	13	1730	231	1564	—	1943	524		
	p	16	1722	599	1780	1790	1931	527		
	p	17	1722	784	1614	1639	1913	528		
	p	11	1721	813	1462	—	1904	528		
	p	18	1737	839	1612	1627	1890	529		
	p	12	1733	946	1671	—	1890	530		
	p	19	1721	1017	1678	1677	1880	530		
17.4	p	13	1752	309	1886	—	2010	550		

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1930phae.proj.12703

α − Dk	Decl − Dk	Decl − Dk	Reduced	Reduced	Magn.	L. No.
1430	101		70			
1442	201		139 142			
1396	498		357			
1392	391		280			
1445	699		482			
1429	745		522			
1436	1184		825			
1374	11		8			
1360	40		29			
1399	100		72			
1419	216		152			
1397	199		143			
1391	367		264			
1439	667		463			
1406	862		613			
1425	1146		803			
1442	428		296			479 x
1393	828		593			570 ✓
1430	279	300	195	209	6.19, 6.25	
1401	1052		750			664 x
1356	708	698	522	514	7.30, 7.26	
1419	1040		733			467 x
1404	1253	1263	891	900	8.33, 8.36	
1385	1086	1111	783	803	8.03, 8.07	
1376	934		679			713 ✓
1361	1083	1098	796	806	8.06, 8.09	
1360	1141		839			
1350	1148	1147	850	849	8.21, 8.21	
1460	1336		913			458 x

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1930phae.proj.12780

HP – RH 701 – Sept 5, 1930

Strip	Class	Star	ry	x	Dyff	Dyff	Cc	Dk Volt
		20	1753	329	1000	956	1997	542
		21	1754	331	1689	1705	1969	542
		22	1748	342	1749	1965	1990	542
		14	1752	473	1717	—	1969	540
		23	1752	509	1301	1220	1961	540
		15	1758	661	1015	—	1930	541
		24	1742	828	1788	1762	1904	541
		16	1757	919	1616	—	1907	541
17.6		17a	1757	123	1658	—	1977	541
		17b	1777	120	920	—	2002	540
		25	1772	258	1751	1759	2004	541
		26	1771	741	1779	1756	1939	542
		18	1771	870	1577	—	1883	542
		19	1760	1011	1440	—	1888	541
		20	1770	1053	1693	—	1889	541
17.8		27	1776	819	1767	1766	1898	543
		28	1799	843	1440	1448	1814	543
		29	1810	932	1253	1256	1896	541
		21	1804	997	1128	—	1900	541
		30	1795	1100	1313	1312	1882	541
18.0		31	1810	138	1309	1361	1973	542
		22	1818	191	981	—	1998	541
		32	1800	228	1770	1803	1990	542
		23	1805	309	1527	—	1981	542
		24	1810	642	1490	—	1938	542
		33	1800	659	1240	1201	1910	541
		25	1791	808	1831	—	1888	543
		34	1799	873	421	410	1878	541
		35	1810	931	1294	1213	1892	541
		26	1803	997	1079	—	1878	541

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1930phae.proj.12780

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L.K.
1455	458	414	314	284	6.62, 6.51	
1427	1147	1163	803	815	8.07, 8.12	
1448	1207	1423	834	984	8.16, Pleiades	
1429	1377	—	964	—		625 ✓
1421	761	680	536	477	7.34, 7.16	↓
1389	474	—	341	—		
1363	1247	1221	916	896	8.41, 8.35	
1366	1095	—	787	—		
1436	1117	—	778	—		
1462	380	—	259	—		
1463	1210	1218	826	831	8.15, 8.16	
1391	1235	1214	887	872	8.32, 8.27	
1341	1035	—	772	—		748 ✓
1347	899	—	664	—		790 ✓
1348	1152	—	858	—		881 ✗
1355	1224	1223	903	902	8.37, 8.36	
1271	897	895	705	703	7.84, 7.83	
1355	712	715	526	527	7.30, 7.30	
1359	684	—	507	—		805 ✓
1341	762	771	567	574	7.44, 7.46	
1431	767	819	535	571	7.34, 7.44	
1454	440	—	302	—		426 ✗
1448	1228	1261	849	873	8.20, 8.27	
1434	1185	—	686	—		451 ✓
1396	948	—	678	—		601 ✓
1369	699	661	510	482	7.25, 7.17	
1345	1288	—	956	—		
1334	−80	−69	—	—		
1351	753	672	558	498	7.40, 7.22	
1337	538	—	402	—		805 ✓

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1930phae.proj.12780

ZgP - RH 701 - Sept. 5, 1930

Strip	Class	Star	y	x	Dept	Dept	Cl	Dk	Volts
18.2		36	1832	152	784	850	1988	541	
		37	1820	608	1688	1684	1916	542	
		38	1828	713	580	570	1917	541	
		39	1823	738	1516	1501	1897	542	
		40	1830	818	1258	1171	1900	540	
		41	1827	823	822	814	1898	541	
		42	1823	881	1703	1690	1890	542	
		27	1820	1091	1691	—	1876	542	
18.4		28	1843	212	1423	—	1980	541	
		43	1847	248	1662	1631	1977	542	
		44	1850	402	1586	1633	1977	542	
		45	1850	452	1562	1572	1940	542	
		29	1854	491	1768	—	1966	542	
		46	1859	958	1202	1163	1877	541	
		47	1850	1029	1557	1570	1880	545	
18.6		48	1860	041	1232	1392	1963	539	
		49	1860	114	1070	1069	1988	542	
		50	1862	194	1701	1658	1968	541	
		51	1873	409	1587	1573	1951	542	
		30	1871	663	916	—	1929	541	
		31	1873	813	1696	—	1908	542	
		52	1859	958	1191	1204	1870	541	
		53	1873	1059	1693	1700	1898	542	
18.8		54	1893	087	1593	1604	1998	547	
		55	1897	109	1893	1717	2016	548	
		56	1880	269	1640	1634	1993	548	
		32	1880	330	1750	—	1870	545	
		57	1881	425	1641	1679	1976	546	
		58	1883	508	1120	1053	1960	542	
		59	1880	708	1002	991	1940	543	

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1930phae.proj.12780

cl - Dk.	Defl. - Dk.	Defl. - Dk.	Reduced	Reduced	Magn.	L. No.
1447	243	309	168	213	6.05, 6.27	
1374	1146	1142	833	830	8.16, 8.15	
1376	39	29	28	21	4.34, 4.12	
1355	964	959	711	706	7.84, 7.83	
1360	718	631	527	464	7.30, 7.11	
1357	281	273	207	201	6.25, 6.22	
1348	1161	1148	861	851	8.24, 8.21	
1334	1149	—	861	—		840 x
1439	882	—	613	—		420 x
1435	1120	1089	781	758	8.03, 7.97	
1435	1044	1091	727	760	7.88, 7.97	
1398	1020	1030	730	738	7.89, 7.90.	
1424	1226	—	860	—		476 x
1336	661	622	495	465	7.21, 7.11	
1335	1012	1025	758	764	7.97, 7.98	
1424	693	853	487	597	7.19, 7.51	
1446	528	527	366	365	6.79, 6.78	
1427	1160	1117	813	783	8.11, 8.03	
1409	1045	1031	742	733	7.92, 7.89	
1388	375	—	270	—		627 v
1366	1154		844			765 v
1329	651	663	490	500	7.20, 7.23	
1348	1141	1208	837	896	8.17, 8.35	
1451	1046	1057	720	726	7.86, 7.88	
1468	1345	1369	917	932	8.41, off curve	
1445	1092	1086	755	753	7.96, 7.95	
1325	1205	—	908	—		426 L
1430	1095	1133	767	792	7.99, 8.04	
1418	578	511	408	361	6.94, 6.78	
1397	459	448	328	321	6.67, 6.64	

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1930phae.proj.12780

HJP - RW 701 - Sept 5, 1930

Strip	Class	Star	y	x	Dyll	Dyll	cl	Dk	Volts
		60	1893	788	1661	1673	1878	544	
		61	1879	1097	1652	1663	1880	548	
19.0		62	1909	307	1178	1194	1983	548	
		63	1910	917	1630	1577	1951	547	
		64	1902	950	1226	1199	1911	543	
		65	1900	1085	1774	1760	1887	550	
		33	1908	1113	1533	—	1878	549	
		10	2140	632	557	—	1910	547	
		1	2019	973	588	—	1901	544	
		2	—	—	631	—	1929	543	
		3	—	—	803	—	1908	543	
		4	—	—	730	—	1906	545	
		5	—	—	922	—	1927	543	
		6	—	—	1243	—	1949	536	
		7	—	—	1280	—	1938	546	
		8	—	—	1673	—	1950	543	510
1m c Sept. 5	1930	15	2140	632	534	—	1860	524	
		1	2019	973	560	—	1891	520	
		2	—	—	615	—	1908	525	
		3	—	—	700	—	1922	528	
		4	—	—	717	—	1905	530	
		5	—	—	950	—	1920	530	
		6	—	—	1180	—	1940	530	
		7	—	—	1350	—	1930	530	
		8	—	—	1690	—	1952	560	
19.2	1	66	1931	1080	1510	1473	1900	560	
19.4	1	67	1959	260	1378	1373	1977	557	
	1	68	1953	787	1380	1350	1920	559	
	1	69	1940	1057	941	908	1895	555	
	1	70	1944	1086	1508	1499	1890	553	

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1930phae.proj.12780

α.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L.K.
1334	1117	1129	838	845	8.18, 8.20	
1332	1104	1115	828	837	8.15, 8.17	
1435	630	646	439	451	7.03, 7.06	
1404	1083	1030	772	733	8.00, 7.90	
1368	683	656	499	480	7.22, 7.16	
1337	1224	1210	915	905	8.41, 8.37	
1329	984		742	—		880
1363	10	—	7	—		
1357	44	—	33	—		
1386	88	—	64	—		
1407	260	—	185	—		
1361	185	—	136	—		
1384	379	—	274	—		
1393	687	—	493	—		
1392	734	—	526	—		
1407	1130	—	804	—		
1336	10	—	7	—		
1371	40	—	29	—		
1383	90	—	65	—		
1394	172	—	123	—		
1375	187	—	136	—		
1390	420	—	302	—		
1410	650	—	462	—		
1400	820	—	585	—		
1392	1130	—	811	—		
1340	950	913	708	681	7.80, 7.71	
1420	821	816	579	575	7.36, 7.35	
1361	821	791	604	582	7.44, 7.37	
1341	386	353	287	265	6.47, 6.40	
1337	955	946	714	707	7.83, 7.80	

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1930phae.proj.12780

52

FMC A #701 Sept. 6, 1920

Strip	Class	Star	y	x	Diff	Diff	cl	Dk	Volts
19.6	f	71	1978	935	982	973	1908	551	
	f	72	1970	1055	1142	1174	1982	552	
19.8	f	73	1990	195	800	792	1980	553	
	fp	34	1990	411	1060	—	1962	552	
	f	74	1989	592	1475	1498	1945	555	
	f	75	1990	950	993	995	898	555	
	f	76	1988	1067	1383	1415	1875	552	
20.0		18	2140	632	575	—	1905	553	
		1	2019	973	591	—	1902	555	
		2	—	—	651	—	1923	555	
		3	—	—	721	—	1930	553	
		4	—	—	748	—	1905	553	
		5	—	—	929	—	1926	555	
		6	—	—	1218	—	1941	554	
		7	—	—	1350	—	1923	555	
		8	—	—	1710	—	1955	558	
	26P-	R	H 701	-	Sept 6,	1920			520
		18	2140	648	600	—	1826	480	
		1	2019	989	518	—	1817	480	
		2	—	—	582	—	1837	481	
		3	—	—	708	—	1857	483	
		4	—	—	698	—	1819	484	
		5	—	—	909	—	1823	488	
		6	—	—	1188	—	1847	490	
		7	—	—	1220	—	1862	490	
		8	—	—	1620	—	1870	491	
20.0	f	77	2000	662	1473	1472	1869	497	
	fp	78	2012	679	1432	1420	1871	497	
		35	2013	1164	1587	—	1791	500	
20.2	f	79	2029	081	1460	1477	1902	500	

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1930phae.proj.12780

Cl.-Dk.	Defl.-Dk.	Defl-Dk	Reduced	Reduced	Magn.	L. No.
1357	431	422	317	311	6.57, 6.55	
1430	590	622	413	435	6.87, 6.94	
1427	247	239	173	168	6.03, 6.00	
1410	508	—	362	—		376
1390	920	883	662	635	7.63, 7.54	
1343	438	440	327	328	6.60, 6.60	
1323	831	863	628	654	7.50, 7.60	
1350	20	—	15	—		
1347	36	—	27	—		
1368	96	—	70	—		
1377	168	—	122	—		
1352	190	—	141	—		
1371	374	—	272	—		
1387	664	—	477	—		
1368	795	—	583	—		
1397	1152	—	826	—		
1346	20	—	15	—		
1337	38	—	28	—		
1356	101	—	74	—		
1374	225	—	164	—		
1335	214	—	161	—		
1335	421	—	315	—		
1357	698	—	514	—		
1372	730	—	533	—		
1379	1129	—	819	—		
1372	976	975	708	708	7.82, 7.82	
1374	935	923	681	672	7.71, 7.68	
1291	1087	—	842	—		
1402	960	977	685	694	7.71, 7.75	

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1930phae.proj.12780

KgP - R+ 701 - Sept 6, 1930

Grp	class	star	y	x	Diff	Diff	α	δ
		80	2030	309	1610	1581	1906	501
		81	2028	600	1592	1593	1880	501
		82	2016	1053	1592	1546	1831	501
		36	2020	1074	1430	—	1829	502
20.4	p	37	2040	383	1497	—	1900	507
		83	2053	438	1387	1373	1907	505
		84	2043	448	1380	1366	1900	506
		85	2052	466	1195	1160	1899	505
		86	2054	507	538	521	1870	503
		87	2053	863	1090	1062	1860	504
		88	2041	1000	1661	1674	1857	508
		89	2042	1019	1593	1512	1831	509
		38	2052	1172	1332	—	1824	507
20.6		90	2070	369	1705	1727	1922	510
		91	2056	730	1650	1692	1872	490
		39	2060	769	1453	—	1860	510
		92	2070	931	752	751	1837	509
20.8		93	2095	394	1513	1522	1912	511
21.0		94	2113	282	1414	1421	1933	513
21.2	p	40	2120	244	1591	—	1919	512
		15	2134	421	1571	1621	1904	513
21.4	p	41	2148	292	1166	—	1920	514
		46	2143	804	1493	1454	1863	513
		97	2140	977	1431	1324	1826	514
		98	2139	1189	1328	1361	1827	514
21.6	p	42	2161	322	1221	—	1922	514
	p	43	2166	356	1311	—	1917	517
		99	2160	387	1507	1487	1917	517
		100	2162	470	1083	1100	1899	517
		101	2161	491	1377	1349	1908	518

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1930phae.proj.12780

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red. Defl	Mag.	L. No.
1405	1109	1080	788	769	8.03, 7.98	
1379	1091	1092	792	793	8.05, 8.08	
1330	1091	1045	822	787	8.16, 8.04	
1327	928	—	697	—		907 ✓
1393	990	—	711	—		338 ✓
1402	882	868	629	620	7.52, 7.50	
1394	874	860	628	617	7.51, 7.49	
1394	690	655	496	472	7.10, 7.02	
1367	35	18	26	13	off curve	
1356	586	558	433	412	6.90, 6.83	
1349	1153	1166	856	864	8.27, 8.29	
1322	1084	1003	821	759	8.17, 7.95	
1317	825	—	628	—		926 ✗
1412	1195	1217	847	862	8.23, 8.29	
1382	1160	1202	839	871	8.21, 8.32	
1350	943	—	698	—		2r ✗
1328	243	242	183	182	5.94, 5.92	
1401	1002	1011	716	723	7.80, 7.84	
1420	901	908	635	639	7.54, 7.56	
1407	1079	—	766	—		
1391	1058	1108	761	796	7.98, 8.07	
1406	652	—	464	—		294 ✓
1350	980	941	726	697	7.85, 7.76	
1312	917	810	697	617	7.76, 7.50	
1313	814	847	620	644	7.52, 7.57	
1408	707	—	502	—		272 ✗
1400	794	—	566	—		274 ✓
1400	990	970	707	693	7.78, 7.75	
1382	566	583	409	422	6.80, 6.85	
1390	859	831	617	597	7.49, 7.42	

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1930phae.proj.1278C

Zyp — RH 701 — Sept 6, 1930

trip	class	star	y	y	Diff	Diff	d	Dc
		102	2170	913	1082	1582	1839	518
21.8		103	2184	078	1702	1718	1941	520
		44	2190	131	1302	—	1937	514
		104	2179	209	1521	1560	1980	519
		105	2180	272	1677	1694	1937	520
		106	2191	069	1712	1673	1904	520
		107	2183	420	1389	1377	1852	518
		108	2180	839	1681	1629	1843	520
		109	2191	908	1240	1214	1852	518
22.0		110	2210	108	1440	1432	1932	520
		111	2211	749	1631	1621	1864	520
22.2		112	2222	208	1509	1448	1932	521
		113	2224	307	973	921	1940	520
		114	2221	824	1627	1628	1929	520
		115	2230	403	1540	1560	1920	520
		45	2230	784	1953	—	1857	520
		116	2240	1048	1613	1592	1842	520
		117	2220	1074	1591	1603	1839	521
22.4		46	2240	241	1673	—	1938	521
		118	2253	309	1240	1233	1927	521
		119	2254	358	1690	1663	1917	521
		47	2250	426	1038	—	1962	520
		120	2257	639	1168	1071	1871	520
		48	2257	896	1381	—	1811	521
		121	2243	908	1380	1409	1892	520
		122	2242	936	1203	1152	1836	520
		123	2240	909	1520	1500	1827	520
		124	2248	1048	1628	1559	1807	520
		49	2242	1138	1599	—	1820	520
22.6		125	2260	189	1348	1347	1893	522

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1930phae.proj.12780

Cl-Dk	Defl-Dk	Defl-Dk	Red. Defl	Red Defl.	Mag.	L. No.
1321	1064	1064	805	805	8.10, 8.10	
1421	1182	1198	833	842	8.21, 8.23	
1423	788	—	553	—		
1411	1002	1041	711	738	7.81, 7.88	
1417	1157	1174	816	828	8.12, 8.18	
1384	1192	1153	860	832	8.28, 8.20	
1334	871	859	659	642	7.61, 7.57	
1323	1161	1109	879	839	8.33, 8.20	
1334	722	696	541	523	7.25, 7.20	
1412	920	912	652	646	7.61, 7.57	
1344	1111	1101	828	821	8.18, 8.17	
1411	988	927	699	656	7.77, 7.62	
1420	453	401	320	283	6.49, 6.35	
1409	1107	1108	786	787	8.03, 8.04	
1400	1820	1040	728	743	7.85, 7.90	
1337	833	—	622	—		1174 ×
1322	1093	1072	827	812	8.18, 8.14	
1318	1070	1082	812	821	8.14, 8.17	
1417	1152	—	813	—		264 ×
1406	719	712	511	506	7.16, 7.12	
1396	1169	1142	839	819	8.21, 8.15	
1382	518	—	375	—		205 ✓
1351	648	551	480	408	7.03, 6.79	
1290	810	—	628	—		1109 ✓
1312	860	939	657	717	7.60, 7.81	
1316	683	632	518	480	7.18, 7.04	
1307	1000	1030	765	788	7.98, 8.03	
1287	1108	1039	866	807	8.27, 8.11	
1300	1079	—	830	—		
1371	826	825	603	602	7.46, 7.46	

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1930phae.proj.12780

XJP – RY 701 – Sept 6, 1930

Strip	Class	Star	Y	Y	Diff	Diff	Ce	Dk	Volts
	p	50	2264	318	1352	—	1871	521	
22.8	p	51	2290	508	1663	—	1898	521	
	p	126	2283	791	1468	1462	1850	521	
	p	127	2284	800	693	703	1864	520	
	p	52	2290	1082	1417	—	1829	521	
	p	53	2290	1129	1127	—	1834	520	
23.0	p	54	2300	099	1628	—	1932	521	
	p	55	2302	183	1739	—	1950	521	
	p	128	2316	399	1730	1716	1922	522	
	p	56	2304	799	1622	—	1860	523	
	p	129	2300	860	1611	1671	1855	522	
23.2	p	130	2319	117	1710	1786	1947	526	
	p	131	2317	967	1691	1642	1900	524	
	p	132	2330	436	1018	980	1919	523	
	p	57	2338	063	1702	—	1894	524	
	p	58	2340	622	1307	—	1906	523	
	p	133	2331	1071	1650	1680	1831	527	
	p	59	2318	1129	1336	—	1839	524	
		14	2140	648	545	—	1822	523	
		1	2019	989	566	—	1830	523	
		2	—	—	620	—	1859	523	
		3	—	—	778	—	1886	523	
		4	—	—	721	—	1857	523	
		5	—	—	927	—	1863	522	
		6	—	—	1241	—	1866	523	
		7	—	—	1311	—	1876	523	
		8	—	—	1626	—	1882	527	510
JMC RY 701 Sept. 8, 1930		15	2140	638	508	—	1821	500	
		1	2019	978	538	—	1849	505	
		2	—	—	591	—	1870	505	
		3	—	—	675	—	1880	508	

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1930phae.proj.12780

Cl.-Dk.	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn.	L. No.
1350	831	—	616	—		240 ✓
1377	1142	—	829	—		
1329	947	941	713	708	7.82, 7.79	
1344	173	183	129	136	5.67, 5.70	
1308	896	—	685	—		1044 ✗
1314	604	—	462	—		1020 ✗
1411	1107	—	784	—		
1429	1218	—	858	—		225 ✗
1400	1208	1194	861	852	8.29, 8.25	
1387	1099	—	822	—		1189 ✓
1333	1089	1149	816	860	8.15, 8.27	
1421	1184	1260	833	886	8.20, 8.34	
1376	1167	1118	848	812	8.24, 8.13	
1386	495	457	358	330	6.60, 6.52	
1370	1178	—	860	—		
1383	784	—	567	—		62 ✓
1304	1123	1153	861	884	8.29, 8.35	
1315	812	—	617	—		1043 ✗
1299	22	—	17	—		
1307	43	—	33	—		
1336	97	—	73	—		
1363	255	—	187	—		
1334	198	—	147	—		
1341	405	—	302	—		
1343	718	—	534	—		
1353	788	—	583	—		
1355	1109	—	817	—		
1321	08	—	06	—		
1344	33	—	25	—		
1365	86	—	63	—		
1372	167	—	122	—		

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1930phae.proj.12780

FMC R# 701 Sept. 8, 1930

Strip	Class	Star	y	x	Defl	Defl	cl	Mk	Volts
		4	—	—	687	—	1860	509	
		5	—	—	922	—	1875	510	
		6	—	—	1220	—	1902	512	
		7	—	—	1250	—	1900	513	
		8	—	—	1710	—	1918	515	
23.4	f	134	2358	168	1516	1537	1932	515	
	fp	60	2350	173	695	—	1939	517	
	fp	61	2353	698	1573	—	1905	520	
23.6	fp	62	2369	132	951	—	1970	521	
	f	135	2379	489	1260	1240	1922	521	
23.8	fp	63	2397	330	1070	—	1950	525	
	fp	64	2391	448	1551	—	1965	528	
	fp	65	2382	701	1021	—	1880	528	
	f	136	2389	730	695	690	1889	528	
	fp	66	2390	748	1440	—	1900	529	
24.0	fp	67	2401	754	1170	—	1897	530	
24.2	fp	68	2437	200	1500	—	1949	531	
	fp	69	2420	603	673	—	1929	530	
	fp	70	2428	750	1260	—	1908	531	
24.4	f	137	2440	460	569	565	1950	530	
24.6	f	138	2469	212	1537	1560	1940	532	
	fp	71	2478	839	1205	—	1898	535	
24.8	f	139	2480	950	719	740	1868	535	
25.0	f	140	2510	504	662	669	1925	536	
	f	141	2510	610	1510	1504	1928	538	
	f	142	2519	871	1385	1371	1890	539	
	fp	72	2519	935	1558	—	1867	538	
25.2	f	143	2530	473	1055	1032	1930	539	
	f	144	2538	621	1209	1165	1917	539	
	f	145	2530	891	1535	1450	1840	540	

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1930phae.proj.12780

Cl.-Dk.	Defl.-Dk	Defl.-Dk.	Reduced	Reduced	Magn.	L. Ko.
1351	178	—	132	—		
1365	412	—	302	—		
1390	708	—	510	—		
1384	737	—	532	—		
1403	1195	—	853	—		
1417	1001	1022	706	721	7.88, 7.98	
1422	178	—	125	—		239 ✗
1385	1053	—	761	—		~~183~~
1449	430	—	296	—		242 ✗
1401	739	719	527	512	7.27, 7.21	
1425	545	—	383	—		183 ✗
1437	1023	—	713	—		
1352	493	—	364	—		1274 ✗
1361	167	162	123	119	5.72, 5.68	
1371	911	—	664	—		1246 ✓
1367	640	—	464	—		1242 ✓
1418	969	—	684	—		206 ✗
1399	143	—	105	—		56 ✓
1377	729	—	528	—		1251 ✓
1420	39	35	27	25	4.56, 4.45	
1408	1005	1028	713	730	7.92, 7.97	
1363	720	—	527	—		1208 ✗
1333	184	205	138	154	5.80, 5.88	
1389	126	133	91	95	5.49, 5.51	
1385	972	966	702	697	7.87, 7.85	
1351	846	832	625	615	7.62, 7.57	
1329	1020	—	767	—		1104 ✗
1391	516	493	372	355	6.73, 6.68	
1398	670	626	487	455	7.13, 7.03	
1306	995	910	767	700	8.09, 7.86	

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1930phae.proj.12780

JMC QH701 Sept. 8, 1930

Mag	class	star	y	x	Diff	Diff	cl	Dk Volh
25.6	f	73	2570	583	1135	—	1922	540
	f	74	2570	640	1411	—	1903	540
	f	75	2569	868	858	—	1880	540
25.8	f	146	2590	580	1290	1310	1890	540
	f	147	2580	590	703	709	1912	540
	f	76	2590	829	1521	—	1885	540
26.0	f	148	2602	750	1405	1951	1890	541
		15	2140	638	560	—	1860	541
		1	2019	978	570	—	1887	542
		2	—	—	628	—	1880	541
		3	—	—	713	—	1882	540
		4	—	—	780	—	1872	540
		5	—	—	980	—	1880	540
		6	—	—	1154	—	1920	541
		7	—	—	1305	—	1891	541
		8	—	—	1677	—	1900	541

Plate finished

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1930phae.proj.12780

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1382	595	—	431	—		51 ✗
1363	871	—	639	—		23 ✗
1340	318	—	234	—		1284 ✗
1350	750	770	556	570	7.37, 7.42	
1372	163	169	119	123	5.69, 5.73	
1345	981		729	—		1235 ✗
1349	864	810	641	600	7.66, 7.51	
1319	19	—	14	—		
1345	28	—	21	—		
1339	87	—	65	—		
1342	173	—	129	—		
1332	180	—	135	—		
1340	390	—	291	—		
1379	613	—	444	—		
1350	764	—	563	—		
1359	1136	—	835	—		

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1930phae.proj.12780

FMC R# 1962 Sept. 12, 1930

trip	class	star	y	x	Dec	Dyl	cl	Sh
		15	2032	689	528	—	1840	520
		1	1811	397	558	—	1860	520
		2	—		627	—	1840	520
		3	—	—	695	—	1870	522
		4	—	—	678	—	1858	523
		0	—	—	822	—	1860	528
		6	—	—	955	—	1842	532
		7	—	—	990	—	1862	533
		8	—	—	1450	—	1850	540
15.4	fp	1	1550	546	890	—	1850	540
15.6	f	1	1568	470	1510	1568	1892	540
	fp	2	1570	502	1320	—	1840	540
	f	2	1578	608	1198	1242	1830	540
15.8	fp	3	1590	570	1150	—	1860	540
	f	3	1590	713	951	920	1830	540
	fp	4	1580	837	1178	—	1810	540
16.0	f	4	1610	755	1260	1255	1810	540
	f	5	1610	768	745	758	1848	540
	fp	5	1611	918	765	—	1840	540
16.2	fp	6	1631	825	1270	—	1818	541
	f	6	1628	870	1170	1092	1810	541
	fp	7	1639	882	1488	—	1813	541
	fp	8	1630	959	1150	—	1810	541
16.4	fp	9	1640	924	1065	—	1803	542
	f	7	1641	958	1259	1278	1835	542
	f	8	1645	400	1083	1111	1868	542
	f	9	1650	416	1367	1400	1860	543
	f	10	1653	546	1190	1173	1795	545
	fp	10	1650	785	1492	—	1870	545
16.6	fp	11	1670	298	1331	—	1878	545

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1930phae.proj.12780

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag	L. No
1320	8	—	6	—		
1340	38	—	28	—		
1320	107	—	81	—		
1348	173	—	129	—		
1335	155	—	116	—		
1332	294	—	220	—		
1310	423	—	323	—		
1329	457	—	345	—		
1310	910	—	695	—		
1310	350	—	268	—		1030+
1352	970	1028	718	760	8.47, 8.68	
1300	780	—	600	—		
1290	658	702	510	544	7.75, 7.85	
1320	610	—	463	—		1044+
1290	411	380	319	295	7.17, 7.07	
1270	638	—	504	—		1164+
1270	720	715	567	564	7.91, 7.90	
1303	205	218	156	166	6.09, 6.17	
1300	225	—	173	—		1214+
1277	729	—	570	—		1176+
1269	629	551	496	435	7.70, 7.53	
1272	897	—	705	—		1201+
1269	609	—	480	—		1235+
1261	523	—	415	—		926+
1293	717	736	555	570	7.88, 7.92	
1326	541	569	408	429	7.47, 7.51	
1317	824	857	625	653	8.09, 8.22	
1250	645	628	516	504	7.75, 7.72	
1325	947	—	715	—		
1333	786	—	590	—		

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1930phae.proj.12780

7mc RH 1962 Sept. 12, 1930

trip	class	star	y	y	Diff	Diff	cl	Dh	
16.8	f	11	1691	412	1307	1358	1903	550	
	p	12	1685	859	1102	—	1858	550	
17.2	p	13	1720	235	1403	—	1890	550	
	f	12	1728	500	860	858	1895	550	
	p	14	1720	764	1150	—	1872	550	
	f	13	1727	765	840	874	1862	550	
	f	14	1720	912	792	775	1850	550	
17.4	p	15	1740	350	1264	—	1912	550	
	f	15	1750	630	927	911	1868	550	
	f	16	1759	759	1010	990	1890	550	
17.6	p	16	1760	228	1282	—	1910	550	
	p	17	1762	649	1061	—	1887	551	
	p	18	1770	683	1448	—	1870	551	
	p	19	1770	870	1408	—	1877	550	
	f	17	1770	970	1285	1294	1849	551	
	p	20	1779	1000	1262	—	1860	550	
		18	2032	689	562	—	1889	552	
		1	1811	997	585	—	1882	551	
		2	—	—	635	—	1898	550	
		3	—	—	721	—	1880	550	
		4	—	—	730	—	1877	550	
		5	—	—	792	—	1880	550	
		6	—		950	—	1865	550	
		7	—	—	1040	—	1875	550	
		8	—	—	1458	—	1863	550	

Sept- RH 1962 - Sept 15, 1930

	18	2032	719	458	—	1493	447	505
	1	1811	429	491	—	1610	449	
	2	—	—	578	—	1598	450	
	3	—	—	670	—	1620	451	
	4	—	—	622	—	1531	452	

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1930phae.proj.12780

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	L. No.
1353	757	808	560	598	7.89, 8.02	
1308	552	—	423	—		1208 +
1340	853	—	635	—		892 +
1345	310	308	230	229	6.70, 6.69	
1322	600	—	454	—		1166 ✓
1312	290	324	221	247	6.62, 6.80	
1300	242	225	186	173	6.33, 6.23	
1362	714	—	524	—		907 ✓
1318	377	361	286	274	7.00, 6.97	
1340	460	440	344	328	7.25, 7.20	
1360	732	—	538	—		880 +
1336	510	—	382	—		1109 ✓
1319	897	—	681	—		
1327	858	—	646	—		1244 ✓
1298	734	743	565	573	7.91, 7.92	
1310	712	—	544	—		8 +
1337	10	—	7	—		
1331	34	—	26	—		
1348	85	—	63	—		
1330	171	—	129	—		
1327	180	—	136	—		
1330	242	—	182	—		
1315	400	—	304	—		
1325	490	—	370	—		
1313	908	—	690	—		
1046	11	—	10	—		
1161	42	—	36	—		
1148	123	—	107	—		
1179	219	—	186	—		
1079	170	—	158	—		

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1930phae.proj.12780

DJP- RA 1962- Sept 15, 1930

trip	class	star	y	x	Dyll	Dyll	ca	Dh
		5	—	—	715	—	1625	455
		6	—	—	809	—	1620	453
		7	—	—	909	—	1641	455
		8	—	—	1196	—	1520	458
17.8	φ	21	1791	450	1342	—	1632	460
	φ	22	1780	478	1108	—	1642	460
	φ	18	1783	518	1060	1058	1620	461
	φ	19	1791	639	1232	1313	1612	460
	φ	20	1790	858	1243	1237	1621	461
	φ	23	1793	873	762	—	1654	460
	φ	24	1787	897	873	—	1630	460
	φ	21	1790	942	1266	1273	1617	461
	φ	25	1799	939	1360	—	1633	463
	φ	26	1785	989	1265	—	1629	463
18.0	φ	22	1807	491	1260	1329	1638	463
	φ	27	1810	666	1321	—	1621	467
	φ	23	1803	769	620	630	1630	462
	φ	24	1803	827	639	661	1609	462
	φ	25	1810	848	1263	1270	1612	467
	φ	28	1808	868	1001	—	1622	459
	φ	26	1816	1047	1273	1357	1618	463
	φ	29	1810	1050	1378	—	1592	463
	φ	30	1801	1079	967	—	1630	461
18.2	φ	31	1821	199	1269	—	1627	462
	φ	27	1827	310	1284	1319	1624	464
	φ	28	1828	558	1478	1500	1632	464
	φ	32	1820	773	1163	—	1641	467
	φ	29	1817	810	1070	1040	1611	465
	φ	30	1832	980	930	959	1610	467
	φ	33	1820	1044	1350	—	1626	467

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1930phae.proj.12781

Cl-Ok	Defl-Ok	Defl-Ok	Red Defl	Red Defl	Mag.	L. No.
1170	260	—	222	—		
1167	356	—	306	—		
1186	454	—	382	—		
1062	738	—	695	—		
1172	882	—	754	—		
1182	648	—	548	—		948
1159	599	597	517	516	7.82, 7.82	
1152	772	853	670	740	8.33, 8.53	
1160	782	776	675	670	8.35, 8.33	
1194	302	—	253	—		1242
1170	413	—	353	—		1251
1156	805	812	695	704	8.40, 8.43	
1170	897	—	767	—		
1166	802	—	688	—		
1175	797	866	679	738	8.37, 8.52	
1154	854	—	746	—		
1168	158	168	136	144	5.69, 5.77	
1147	177	199	155	174	5.89, 6.04	
1150	801	808	696	704	8.41, 8.43	
1163	542	—	466	—		1246
1155	810	894	700	774	8.42, 8.63	
1129	915	—	810	—		
1169	506	—	434	—		23
1165	807	—	694	—		
1160	820	855	708	736	8.43, 8.52	
1168	1014	1036	870	885	off curve	
1174	696	—	594	—		1189
1146	605	575	528	502	7.87, 7.79	
1143	463	492	405	430	7.47, 7.56	
1159	883	—	763	—		

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1930phae.proj.12780

ZgP – RA 1962 · Sept 10, 1930

trip	class	star	y	x	Dyk	Dyk	cl	Dh
		34	1832	1057	1381	—	1610	464
		35	1823	1094	1443	—	1623	468
18.4		36	1842	298	1380	—	1628	468
		37	1840	706	1390	—	1639	468
		38	1852	789	1096	—	1637	468
		39	1850	887	751	—	1622	464
		31	1855	1007	1122	1097	1624	467
		32	1840	1054	1440	1518	1633	468
		33	1850	1058	929	910	1613	464
		40	1849	1108	829	—	1558	466
18.6		41	1863	418	1193	—	1642	467
		42	1872	472	1256	—	1652	466
		34	1867	474	1270	1322	1641	464
		35	1859	587	1321	1343	1610	464
		36	1860	693	989	1053	1629	466
		43	1871	719	918	—	1626	467
		44	1870	866	1100	—	1660	465
		45	1861	888	1412	—	1641	467
		46	1868	898	1382	—	1610	468
		47	1870	946	1291	—	1649	468
		48	1860	974	1220	—	1613	468
		49	1871	1009	1439	—	1630	469
		50	1864	1030	1223	—	1628	468
18.8		51	1880	179	1223	—	1617	461
		52	1892	333	1363	—	1643	462
		37	1882	677	1564	1516	1637	468
		38	1890	949	1500	1571	1627	465
		53	1888	1075	1433	—	1613	467
		39	1880	1130	1490	1506	1643	467
19.0		40	1910	159	1495	1511	1637	463

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1930phae.proj.12780

cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	mag.	L. No.
1146	917	—	801	—		
1155	975	—	843	—		
1160	912	—	787	—		
1171	922	—	787	—		
1169	628	—	538	—		
1158	287	—	247	—		1279 ✓
1157	655	630	565	543	8.00, 7.92	
1165	972	1050	834	900	8.70, off curve	
1149	465	446	405	388	7.47, 7.38	
1092	363	—	331	—		51 +
1175	726	—	618	—		893 ✓
1186	790	—	665	—		
1177	806	858	685	730	8.37, 8.51	
1146	857	879	747	767	8.56, 8.61	
1163	523	587	451	505	7.63, 7.78	✓
1159	451	—	389	—		1171
1195	635	—	582	—		
1174	945	—	804	—		
1142	914	—	800	—		
1181	823	—	696	—		
1145	752	—	667	—		
1161	970	—	834	—		
1160	755	—	652	—		
1156	762	—	659	—		
1181	901	—	763	—		
1169	1096	1048	938	896	off curve	
1162	1035	1106	893	953	off curve	
1146	966	—	843	—		
1176	1023	1039	870	882	8.89, off curve	
1174	1032	1048	877	913	off curve	

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1930phae.proj.12780

72

Zgp - RA 1962 — Sept 15, 1932.

Strip	class	Star	y	x	Decl	Decl	α	Δt
		41	1911	178	1188	1211	1634	467
		54	1911	238	800	—	1642	467
		42	1909	242	1550	1489	1641	468
		43	1910	519	660	670	1650	463
		44	1900	063	1472	1587	1650	464
		45	1907	840	1211	1220	1616	464
		55	1912	923	1377	—	1610	464
		56	1911	970	576	—	1623	462
		46	1900	1113	1132	1210	1612	462
19.2		57	1923	099	1087	—	1631	463
		58	1923	190	1028	—	1622	463
		59	1922	231	1421	—	1633	462
		47	1930	670	460	502	1659	463
		48	1933	669	1223	1283	1631	464
		49	1932	618	1390	1402	1630	463
		60	1930	668	1479	—	1630	464
		50	1928	1049	1552	1470	1610	467
		51	1917	1173	1311	1349	1592	461
		1A	2032	719	474	—	1550	462
		1	1811	429	490	—	1622	460
		2	—	—	556	—	1593	461
		3	—	—	616	—	1639	461
		4	—	—	619	—	1629	461
		5	—	—	730	—	1632	461
		6	—	—	867	—	1619	460
		7	—	—	924	—	1632	461
		8	—	—	1209	—	1639	461 505
		1S	2032	719	441	—	1619	435
		1	1811	429	467	—	1628	438
		2	—	—	528	—	1638	440

SMC Sept. 15, 1930 1962

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1930phae.proj.12781

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Bd Defl	Mag.	L. No.
1167	721	744	617	636	8.18, 8.78	
1175	333	—	283	—		805
1173	1082	1021	922	871	offcurve, 8.90	
1187	197	207	166	175	5.97, 6.12	
1186	1008	1123	850	946	8.82, offcurve	
1152	747	756	648	657	8.29, 8.31	
1146	913	—	797	—		
1161	114	—	97	—		56
1150	670	748	583	640	8.12, 8.26	
1168	624	—	534	—		
1159	565	—	488	—		790
1171	959	—	817	—		
1196	997	1039	802	869	8.70, 8.89	
1167	769	819	658	702	8.28, 8.43	
1167	927	939	795	804	8.67, 8.70	
1166	1015	—	872	—		
1143	1085	1003	948	873	offcurve, 8.91	
1131	850	888	750	785	8.56, 8.64	
1088	12	—	11	—		
1162	30	—	26	—		
1132	95	—	84	—		
1178	155	—	131	—		
1168	158	—	135	—		
1171	269	—	230	—		
1159	407	—	353	—		
1171	463	—	395	—		
1178	748	—	635	—		
1184	06	—	5	—		
1190	29	—	24	—		
1198	88	—	73	—		

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1930phae.proj.12780

FMC RH 1962 Sept. 15, 1930

Strip	Class	Star	y	x	Diff	Diff	Cl	Dk	Volt
		3	—	—	580	—	1655	440	
		4	—	—	595	—	1635	440	
		5	—	—	670	—	1650	440	
		6	—	—	810	—	1640	440	
		7	—	—	862	—	1650	441	
		8	—	—	1193	—	1635	442	
19.4	f	52	1941	150	950	1028	1660	447	
	f	61	1950	898	915	—	1628	448	
19.6	f	53	1970	190	1145	1171	1640	448	
	f	54	1979	230	751	747	1647	448	
	f	55	1972	342	1200	1350	1668	448	
	f	62	1979	586	1125	—	1675	449	
	f	56	1968	909	1202	1221	1629	450	
19.8	f	57	1981	818	885	926	1665	450	
		18	2032	719	455	—	1649	450	
		1	1811	429	485	—	1653	448	
		2	—	—	530	—	1672	448	
		3	—	—	599	—	1653	448	
		4	—	—	590	—	1652	448	
		5	—	—	678	—	1650	449	
		6	—	—	880	—	1662	448	
		7	—	—	930	—	1650	447	
		8	—	—	1240	—	1695	448	

Dup. RH 1962- Sept 16, 1930

	10	2032	696	458	—	1478	451	515
	1	1811	403	489	—	1610	453	
	2	—	—	539	—	1589	454	
	3	—	—	629	—	1599	458	
	4	—	—	600	—	1601	458	
	5	—	—	701	—	1592	458	
	6	—	—	809	—	1600	460	

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1930phae.proj.12780

cl-Ok	Defl Ok	Defl-Ok	Red Defl	Red Defl	Mag.	L. No
1215	140	—	115	—		
1195	155	—	130	—		
1210	230	—	190	—		
1200	370	—	308	—		
1209	421	—	349	—		
1193	751	—	628	—		
1216	506	584	416	482	7.28, 7.41	
1180	467	—	396	—		62
1192	697	723	683	708	7.90, 7.93	
1199	303	299	254	351	6.77, 6.74	
1220	752	902	617	738	7.73, 8.00	
1226	676	—	552	—		
1179	752	771	638	654	7.78, 7.82	
1215	435	476	358	392	7.17, 7.23	
1199	5	—	4	—		
1205	37	—	31	—		
1224	82	—	67	—		
1205	151	—	125	—		
1204	142	—	118	—		
1201	229	—	191	—		
1214	432	—	355	—		
1203	483	—	402	—		
1187	792	—	667	—		
1027	7	—	07	—		
1157	36	—	34	—		
1135	85	—	75	—		
1141	171	—	149	—		
1143	142	—	124	—		
1134	243	—	213	—		
1140	349	—	305	—		

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1930phae.proj.12780

Dyf - RA 1962 - Sept 16, 1920.

Strip	Class	Star	y	x	Dyfe	Dyfe	Cy	Clk	Falls
		7	L	—	860	—	1609	1468	460
		8	—	—	1190	—	1606	461	
20.0	p	63	2003	218	1197	—	1612	464	
	p	64	2004	957	1290	—	1622	468	
	p	58	2005	404	1482	1527	1616	468	
	p	59	2009	489	1302	1377	1620	468	
	p	60	2010	659	1389	1460	1609	470	
	p	65	2011	709	1373	—	1589	470	
	p	66	2000	907	1174	—	1581	470	
	p	61	2000	959	1080	1157	1599	470	
	p	67	2010	1018	1032	—	1587	471	
20.2	p	62	2018	129	1340	1363	1611	472	
	p	68	2033	258	1086	—	1622	471	
	p	69	2028	373	1187	—	1593	471	
	p	63	2019	563	1208	1187	1616	473	
	p	64	2023	569	1378	1447	1609	472	
	p	65	2020	828	559	550	1603	472	
	p	66	2029	843	1339	1379	1603	473	
	p	70	2018	1209	1230	—	1592	473	
20.4	p	71	2042	750	1473	—	1583	477	
	p	72	2036	769	1162	—	1601	475	
	p	67	2040	811	927	908	1594	473	
	p	68	2052	921	1309	1353	1600	473	
	p	69	2052	1031	1381	1452	1600	477	
	p	70	2048	1037	1390	1390	1590	477	
	p	71	2055	1078	1321	1331	1591	478	
	p	73	2050	1080	1409	—	1587	480	
	p	74	2048	1193	1169	—	1587	477	
20.6	p	72	2065	278	715	680	1603	479	
	p	75	2072	393	1351	—	1614	480	

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10020dae.prod.12721

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag	L.NO
1149	400	—	349	—		
1145	729	—	636	—		
1148	733	—	638	—		
1154	822	—	710	—		
1148	1014	1059	882	922	off curve	
1152	834	909	725	790	8.50, 8.65	
1139	919	990	806	870	8.68, off curve	
1119	903	—	807	—		
1111	704	—	633	—		
1129	610	687	540	609	7.94, 8.19	
1116	561	—	503	—		118 ✓
1139	868	891	764	783	8.58, 8.63	
1151	615	—	533	—		748 ✓
1122	716	—	637	—		765 ✓
1143	735	714	643	625	8.79, 8.74	
1137	906	975	797	808	8.67, 8.68	
1131	87	78	77	69	5.23, 5.11	
1130	866	906	764	803	8.58, 8.65	
1119	757	—	678	—		
1106	996	—	901	—		
1126	687	—	611	—		105 ✓
1121	454	435	405	387	7.45, 7.38	
1127	836	880	741	780	8.54, 8.63	
1123	904	975	806	868	8.67, off curve	
1113	913	913	~~822~~ 758	822	off curve	
1113	843	853	757	767	~~8.58~~, 8.60	
1107	929	—	838	—		
1110	692	—	623	—		135 +
1124	236	201	201	178	6.51, 6.30	
1136	871	—	767	—		

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1930phae.proj.12780

2 gp - R.A 1962 - Sept 16, 1930

Strip	class	star	y	x	Diff	Diff	cl	Dk
	p	76	2071	617	1407	—	1608	479
	p	77	2060	748	1380	—	1583	479
	f	73	2071	797	1200	1224	1610	478
	p	78	2071	898	1140	—	1603	480
	p	79	2061	902	1426	—	1620	480
	f	74	2070	973	1491	1520	1604	480
	p	80	2059	1012	1039	—	1611	479
	f	75	2062	1013	1350	1399	1573	481
	f	76	2067	1018	1172	1190	1588	479
	p	81	2068	1212	1532	—	1598	481
20.8	f	77	2087	109	1449	1463	1608	481
	f	78	2088	331	1364	1400	1606	481
	f	79	2095	341	1177	1207	1603	480
	f	80	2093	408	1287	1332	1614	481
	f	81	2087	537	1311	1267	1608	480
	p	82	2072	719	1361	—	1591	480
	f	82	2080	770	744	709	1590	480
	p	83	2090	1003	1310	—	1600	480
	p	84	2089	1003	1400	—	1578	479
21.0	p	85	2110	248	1002	—	1611	473
	f	83	2110	273	1240	1327	1617	477
	f	84	2110	339	1341	1370	1600	478
	p	86	2111	418	1353	—	1610	479
	f	85	2102	447	1221	1287	1604	479
	f	86	2101	608	1420	1434	1591	481
	p	87	2098	810	1429	—	1600	480
	f	87	2100	921	1341	1362	1611	483
	f	88	2110	1093	869	892	1593	481
	p	88	2108	1113	1366	—	1603	481
21.2	f	89	2122	278	818	849	1616	482

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1930phae.proj.12781

cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	L.NO
1129	928	—	822	—		
1104	901	—	813	—		
1132	722	746	637	657	8.28, 8.32	
1123	660	—	688	—		
1140	946	—	829	—		
1124	1011	1040	899	924	offcurve	
1132	560	—	495	—		
1092	869	918	796	840	8.66, offcurve	
1109	693	711	625	641	8.23, 8.29	
1117	1051	—	946	—		
1127	968	982	858	871	offcurve	
1125	883	919	785	816	8.57, offcurve	
1123	697	727	619	647	8.21, 8.30	
1133	806	851	712	750	8.48, 8.55	
1128	891	787	790	695	8.64, 8.43	
1111	887	—	796	—		
1110	264	279	236	251	6.69, 6.80	
1120	820	—	732	—		
1099	921	—	840	—		
1138	529	—	465	—		713
1140	763	850	670	745	8.37, 8.53	
1122	893	892	796	793	8.64, 8.63	
1131	874	—	772	—		
1125	742	808	658	717	8.33, 8.48	
1110	939	953	845	858	offcurve	
1120	949	—	847	—		
1127	858	879	761	779	8.59, 8.61	
1112	388	411	348	370	7.21, 7.30	
1122	885	—	788	—		
1134	336	367	296	323	7.01, 7.12	

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1930phae.proj.12780

Dyf - RA 19h 2 - Sept 16, 1930.

Strip	Class	Star	y	x	Dyfl	Dyfl	Cl	Dk	Bolo
		90	2120	452	637	663	1604	482	
		89	2132	548	1111	—	1610	481	
		91	2122	602	1164	1217	1602	472	
		92	2130	614	1156	1197	1617	482	
		90	2123	947	1439	—	1616	483	
		91	2130	1079	1418	—	1592	484	
21.4		92	2142	209	1457	—	1616	483	
		93	2140	332	1299	—	1622	487	
		94	2153	457	717	—	1619	483	
		95	2140	703	1311	—	1601	485	
		93	2142	789	1110	1077	1599	487	
		96	2154	1080	702	—	1605	483	
		94	2140	1087	1212	1270	1613	487	
21.6		97	2160	213	1153	—	1609	487	
		98	2163	352	1401	—	1621	487	
		95	2163	353	1410	1398	1613	483	
		99	2161	910	648	—	1600	484	
		96	2178	1123	671	677	1607	483	
		100	2170	1109	1292	—	1593	487	
		1A	2132	696	494	—	1553	482	
		1	1811	483	533	—	1620	482	
		2	—	—	561	—	1597	482	
		3	—	—	691	—	1610	482	
		4	—	—	610	—	1610	482	
		5	—	—	702	—	1608	482	
		6	—	—	883	—	1614	481	
		7	—	—	870	—	1619	482	
		8	—	—	1233	—	1618	481	505

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1930phee.proj.12281

cl-Ok	Defl-Ok	Defl-Ok	Red Defl	Red Defl	Mag.	L.No.
1122	155	181	138	161	5.97, 6.16	
1129	630	—	558	—		
1130	692	745	612	658	8.20, 8.33	
1135	674	715	594	629	8.12, 8.24	
1133	950	—	838	—		
1108	934	—	842	—		
1133	974	—	862	—		
1135	812	—	715	—		
1136	234	—	206	—		627 ✓
1115	826	—	739	—		238 +
1112	623	590	561	530	8.03, 7.90	
1122	219	—	195	—		183 +
1126	725	783	643	695	8.30, 8.42	
1122	666	—	592	—		688 ✓
1134	914	—	805	—		
1130	927	905	822	802	ffcurve, 8.67	✓
1116	164	—	147	—		205
1124	188	194	167	172	6.20, 6.28	
1106	805	—	728	—		
1071	12	—	10	—		
1138	51	—	45	—		
1115	79	—	71	—		
1128	149	—	132	—		
1128	128	—	113	—		
1126	220	—	196	—		
1133	402	—	354	—		
1137	388	—	341	—		
1137	752	—	661	—		

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1930phae.proj.12780

FMC RH 1962 Sept. 16, 1930

Strip	Class	Star	Ry	Δ	Dep1	Dep2	Cl	Dk	Parts
		15	2032	696	465	—	1640	460	
		1	1811	403	490	—	1655	460	
		2	—	—	558	—	1635	471	
		3	—	—	621	—	1652	471	
		4	—	—	605	—	1652	471	
		5	—	—	770	—	1660	473	
		6	—	—	867	—	1670	473	
		7	—	—	890	—	1662	473	
		8	—	—	1230	—	1642	473	
21.8	p	101	2195	176	1038	—	1659	479	
	p	102	2190	285	1198	—	1678	480	
22.0	p	103	2212	100	1114	—	1661	481	
	f	97	2210	231	1255	1263	1687	490	
	f½	104	2219	360	791	—	1680	490	
	p	105	2204	412	1105	—	1691	490	
	f	98	2209	1053	1145	1193	1680	490	
22.2	f½	106	2229	290	980	—	1683	498	
	f	99	2228	878	981	954	1667	500	
	f	100	2238	1065	557	568	1670	498	
	f½	107	2220	1210	1280	—	1663	499	
22.4	f	101	2259	808	934	940	1652	498	
	fp	108	2243	980	828	—	1664	498	
	f	102	2242	1020	1040	965	1645	495	
	f	103	2258	1088	753	778	1642	495	
	fp	109	2241	1183	1125	—	1668	498	
22.6	f	104	2261	580	1130	1160	1663	500	
	f	110	2269	879	1147	—	1658	499	
22.8	f½	111	2280	309	788	—	1680	500	
	f	105	2290	880	1260	1290	1650	500	
	fp	112	2299	893	770	—	1665	500	

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1930phae.proj.12781

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	L.N.O.
1180	5	—	4	—		
1185	30	—	25	—		
1164	87	—	75	—		
1181	150	—	127	—		
1181	134	—	103	—		
1187	297	—	250.	—		
1197	394	—	327.	—		
1189	417	—	351	—		
1169	757	—	648	—		
1180	559	—	474	—		679
1198	718	—	600	—		669 +
1180	633	—	537	—		681 +
1197	765	773	638	644	8.22, 8.25	
1190	301	—	253	—		625
1201	615	—	511	—		601
1190	655	703	551	592	7.93, 8.07	
1185	482	—	407	—		642
1167	481	454	413	390	7.47, 7.37	
1172	59	70	50	60	4.81, 5.00	
1164	781	—	671	—		
1154	436	442	377	383	7.32, 7.34	
1166	330	—	283	—		240
1150	545	470	474	409	7.70, 7.44	
1147	258	283	225	246	6.54, 6.66	
1170	627	—	535	—		206 +
1163	630	660	543	567	7.92, 8.08	
1159	648	—	560	—		274
1180	288	—	244	—		606
1150	760	790	661	686	8.31, 8.39	
1165	270	—	232	—		279

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1930phae.proj.12780

FMC RH 1962 Sept. 16, 1930

Strip	Class	Star	y	x	Dyff	Dxff	Cy	Mk	Note
23.0	p	113	2300	088	540	—	1625	499	
	p	114	2311	118	1115	—	1663	500	
	p	115	2313	340	990	—	1687	500	
	p	116	2309	536	1280	—	1660	500	
	f	106	2300	555	1296	1304	1668	501	
	p	117	2300	690	769	—	1662	501	
	p	118	2310	760	1025	—	1645	500	
	f	107	2307	790	1241	1308	1670	503	
	p	119	2310	1128	593	—	1642	505	
	f	108	2313	1192	989	1030	1656	505	
23.2	f	109	2330	340	1103	1025	1664	502	
	f	110	2329	720	1151	1270	1650	503	
	p	120	2330	897	740	—	1633	501	
	p	121	2320	1003	1040	—	1618	502	
	p	122	2338	1088	1272	—	1655	503	
	p	123	2335	1162	699	—	1630	500	
23.4	p	124	2340	371	954	—	1660	502	
		IS	2032	696	510	—	1634	502	
		1	1811	403	533	—	1660	500	
		2	—	—	580	—	1634	501	
		3	—	—	630	—	1640	501	
		4	—	—	650	—	1631	500	
		5	—	—	751	—	1629	500	
		6	—	—	830	—	1631	500	
		7	—	—	945	—	1635	500	
		8	—	—	1240	—	1628	501	
	QP	RH 1962 —		Sept 18, 1930					
		10	2032	757	550	—	1672	542	510
		1	1811	467	579	—	1817	547	
		2	—	—	697	—	1790	550	
		3	—	—	710	—	1807	550	

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1930phae.proj.12781

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L.N.O.
1126	41	—	36	—		660 +
1163	615	—	530	—		647 ✗
1187	496	—	414	—		587 ✓
1160	780	—	674	—		
1167	795	803	683	689	8.39, 8.41	
1161	268	—	230	—		376 ✓
1145	525	—	460	—		338 ✓
1164	738	805	634	690	8.22, 8.43	
1137	88	—	78	—		239 +
1151	484	525	420	455	7.50, 7.63	
1162	601	523	516	450	7.83, 7.61	
1147	648	767	565	670	7.99, 833	
1132	239	—	211	—		294 ✓
1116	538	—	484	—		264 +
1152	769	—	666	—		255 +
1130	199	—	176	—		242 +
1158	452	—	390	—		570 ✓
1132	8	—	7	—		
1160	33	—	29	—		
1133	79	—	70	—		
1139	129	—	113	—		
1131	150	—	133	—		
1129	251	—	223	—		
1131	330	—	292	—		
1135	445	—	392	—		
1127	739	—	655	—		
1130	8	—	7	—		
1270	32	—	25	—		
1240	147	—	118	—		
1257	160	—	127	—		

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1930phae.proj.12780

ΔJP - R.A. 1962 - Sept 18, 1930

Time	Class	Sta	y	x	Dep1	Dep1	Cl	Dk	Volts
		4	—	—	720	—	1823	551	
		5	—	—	793	—	1813	551	
		6	—	—	980	—	1806	552	
		7	—	—	1037	—	1822	552	
		8	—	—	1352	—	1798	554	
23.6	p	125	2358	182	1520	—	1810	558	
	p	111	2373	180	1605	1671	1811	561	
	p	126	2370	183	1563	—	1811	560	
	p	112	2370	240	1449	1458	1817	560	
	p	113	2370	293	832	821	1803	561	
	p	114	2373	453	1479	1491	1817	567	
	p	127	2361	753	1409	—	1787	563	
	p	128	2362	747	1573	—	1815	567	
	p	129	2360	783	1640	—	1813	568	
	p	130	2374	838	1609	—	1827	568	
	p	131	2360	1032	1573	—	1812	570	
	p	115	2362	1120	1221	1904	1838	570	
	p	116	2370	1124	1244	1311	1822	570	
23.8	p	132	2378	202	1527	—	1840	571	
	p	117	2381	237	1358	1373	1818	570	
	p	118	2390	313	1548	1563	1833	572	
	p	133	2380	349	1370	—	1830	572	
	p	119	2395	406	1081	1121	1826	572	
	p	134	2380	447	1503	—	1829	573	
	p	135	2379	521	1497	—	1833	573	
	p	120	2395	611	1584	1644	1820	553	
	p	121	2388	703	1542	1609	1822	557	
	p	136	2381	949	453	—	1849	560	
	p	137	2383	962	1142	—	1797	560	
24.0	p	122	2410	219	778	858	1843	562	

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1930phae.proj.12781

Q-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	L. No
1272	169	—	133	—		
1262	242	—	192	—		
1254	428	—	342	—		
1270	485	—	383	—		
1244	798	—	642	—		
1252	962	—	768	—		
1250	1044	1110	836	890	8.86, Off curve	
1251	1003	—	800	—		
1257	889	898	707	715	8.43, 8.47	
1242	271	260	218	209	6.51, 6.46	
1250	912	924	730	740	8.51, 8.54	
1224	846	—	692	—		
1248	1006	—	806	—		
1245	1072	—	862	—		
1259	1091	—	869	—		
1242	1003	—	890	—		
1268	651	734	515	578	7.75, 7.97	
1252	671	741	536	591	7.81, 8.02	
1269	956	—	755	—		
1248	780	803	625	645	8.13, 8.22	
1261	976	991	775	786	8.67, 8.68	
1258	798	—	635	—		583
1254	509	549	406	438	7.35, 7.48	
1256	930	—	740	—		
1260	924	—	733	—		
1267	1031	1088	815	860	8.78, Off curve	
1265	985	1052	780	832	8.67, 8.82	
1289	−107	—	—	—		
1237	582	—	470	—		
1281	216	296	169	231	6.10, 6.61	

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1930phae.proj.12780

2gp - RH 1962 - Sept 18, 1920

Strip	Class	Star	y	x	Diff	Diff	cy	Dk	Volts
		123	2409	377	1623	1681	1829	568	
		124	2408	460	658	644	1833	564	
		138	2410	469	1568	-	1827	568	
		139	2409	502	1673	-	1841	568	
		125	2401	729	1650	1688	1863	570	
		126	2418	779	809	924	1817	570	
		140	2410	806	1468	—	1833	570	
		127	2411	819	1513	1537	1829	568	
		128	2400	1087	1642	1670	1825	572	
		141	2408	1161	1611	-	1847	573	
		142	2400	1189	1439	—	1841	573	
		143	2410	1192	1216	—	1838	573	
		1s	2032	757	587	—	1772	574	
		1	1811	467	627	—	1853	572	
		2	—	—	663	—	1821	573	
		3	—	—	752	—	1843	573	
		4	—	—	761	—	1852	572	
		5	—	—	810	—	1848	577	
		6	—	—	1051	—	1839	574	
		7	—	—	1081	—	1853	577	
		8	—	—	1402	—	1823	573	575

2gp - RH 1962 - Sept 19, 1920

		1s	2032	757	551	—	1711	544	545
		1	1811	467	580	—	1837	548	
		2	—	—	660	—	1807	550	
		3	—	—	680	—	1829	550	
		4	—	—	694	—	1822	551	
		5	—	—	822	—	1822	553	
		6	—	—	975	—	1830	558	
		7	—	—	1040	—	1848	558	
		8	—	—	1263	—	1822	556	

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1930phae.proj.12781

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag	L.No.
1261	1095	1113	866	883	Offscale	
1269	94	80	74	63	4.97, 4.73	
1259	1000	—	795	—		
1273	1105	—	867	—		
1293	1080	1118	835	864	8.83, Offscale	
1247	239	354	192	284	6.31, 6.86	
1263	898	—	710	—		
1261	945	969	750	767	8.38, 8.62	
1253	1070	1098	855	875	Offscale	
1274	1038	—	815	—		
1268	866	—	685	—		
1265	643	—	508	—		
1198	13	—	11	—		
1281	55	—	43	—		
1248	90	—	72	—		
1276	179	—	141	—		
1280	189	—	148	—		
1271	233	—	183	—		
1265	477	—	378	—		
1276	504	—	394	—		
1250	829	—	664	—		
1167	7	—	6	—		
1289	32	—	25	—		
1257	110	—	80	—		
1279	130	—	102	—		
1271	143	—	113	—		
1269	269	—	212	—		
1272	417	—	328	—		
1290	482	—	373	—		
1266	807	—	637	—		

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1930phae.proj.12780

N.P. R.H. 1962 - Sept 19, 1930.

Strip	Class	Star	y	x	Dyff	Dyff	cl	Dk	Vol's
24.2		129	2425	252	1740	1740	1839	561	
		144	2430	709	1410	—	1860	563	
		130	2423	924	1561	1590	1837	566	
		145	2431	1099	1568	—	1840	567	
		131	2426	1192	1704	1721	1840	570	
24.4		146	2440	247	651	—	1857	570	
		132	2440	250	1500	1567	1862	571	
		133	2440	267	1729	1701	1832	573	
		134	2443	320	1708	1749	1873	573	
		147	2440	431	1700	—	1848	573	
		135	2454	514	721	727	1868	573	
		148	2438	621	1680	—	1871	573	
		136	2440	625	1410	1478	1852	574	
		137	2441	695	1630	1662	1848	575	
		149	2450	847	1663	—	1823	577	
		138	2443	1071	1431	1511	1878	580	
		150	2442	1082	984	—	1844	578	
		151	2450	1159	1802	—	1859	580	
24.6		139	2464	468	1699	1744	1852	579	
		140	2462	571	1729	1731	1868	581	
		152	2460	582	653	—	1861	581	
		153	2473	653	1730	—	1870	581	
		141	2470	838	852	840	1852	581	
		142	2463	1063	1670	1719	1865	583	
24.8		143	2490	418	1648	1678	1838	586	
		154	2479	431	1362	—	1860	584	
		155	2498	437	723	—	1851	583	
		156	2490	658	1303	—	1871	584	
		144	2491	749	1486	1503	1858	587	
		145	2480	798	1101	1137	1842	585	

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1930phae.proj.12780

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	L.No
1278	1179	1179	921	921	off curve	
1297	847	—	654	—		425 ✓
1271	995	1024	784	805	8.55, 8.60	
1273	1001	—	785	—		
1270	1134	1151	894	907	off curve	
1287	81	—	63	—		
1291	929	996	719	772	8.38, 8.51	
1259	1156	1128	916	895	off curve	
1300	1135	1176	874	905	off curve	
1275	1127	—	884	—		
1295	148	154	114	119	5.70, 5.72	
1298	1107	—	851	—		
1278	836	904	655	706	8.17, 8.33	
1273	1055	1087	830	853	8.67, 8.72	
1246	1086	—	870	—		
1298	851	931	656	719	8.20, 8.32	
1266	406	—	321	—		297 ✓
1279	1222	—	956	—		
1273	1120	1165	880	915	8.78 off curve	
1287	1142	1150	886	895	off curve	
1288	72	—	56	—		
1289	1149	—	890	—		
1271	271	259	213	204	6.50, 6.42	
1282	1087	1136	846	885	8.70, off curve	
1252	1062	1092	848	872	8.71, 8.76	
1276	778	—	610	—		541 ✓
1268	140	—	110	—		536 ✓
1287	719	—	559	—		451 ✓
1271	899	916	706	721	8.32, 8.39	
1257	515	552	410	438	7.43, 7.50	

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1930phae.proj.1278C

ZAP - RH 1962 - Sept 19, 1930

Strip	Class	Star	y	x	Dyell	Dyfe	Ce	Dk	Volts
	p	157	2490	880	1331	—	1860	587	
	p	158	2483	983	1668	—	1838	588	
	p	159	2481	997	1658	—	1872	589	
	p	160	2480	1003	1600	—	1853	590	
	p	146	2491	1027	1689	1710	1888	590	
25.0	p	161	2510	520	1588	—	1867	591	
	p	147	2510	577	1681	1671	1869	591	
	p	148	2511	607	1710	1738	1852	591	
	p	162	2513	612	1512	—	1869	590	
	p	149	2511	933	1713	1746	1876	591	
	p	150	2513	1017	1529	1540	1858	592	
25.2	p	163	2530	317	1630	—	1869	593	
	p	151	2515	379	1702	1750	1849	593	
	p	152	2520	387	821	818	1847	591	
	p	153	2537	439	1670	1688	1873	592	
	p	164	2519	511	1601	—	1864	593	
	p	165	2532	600	1753	—	1853	594	
	p	154	2524	630	1301	1320	1873	593	
	p	155	2520	910	1553	1587	1851	593	
	p	156	2521	921	1694	1709	1872	593	
25.4	p	166	2550	403	1670	—	1866	598	
	p	167	2547	468	1253	—	1878	593	
	p	157	2553	651	1520	1503	1867	595	
	p	168	~~2545~~	679	1581	—	1860	598	
	p	169	2548	742	1140	—	1842	595	
	p	158	2550	1032	1184	1290	1823	594	
25.6	p	170	2558	390	1688	—	1866	598	
	p	159	2568	467	1706	1732	1864	598	
	p	171	2595	528	1573	—	1879	598	
	p	172	2560	595	917	—	1851	594	

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1930phae.proj.12780

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	L. No.
1273	744	—	584	—		
1250	1080	—	865	—		
1283	1069	—	833	—		
1263	1010	—	800	—		
1298	1099	1120	846	863	8.70, 8.75	
1276	997	—	789	—		
1278	1090	1080	853	845	8.72, 8.70	
1261	1119	1147	885	909	off comp	
1279	922	—	722	—		
1285	1122	1155	874	900	off comp	
1266	937	948	741	748	8.42, 8.46	
1276	1037	—	811	—		
1256	1109	1157	881	920	off comp	
1256	230	227	183	181	6.27, 6.25	
1281	1078	1096	840	855	8.69, 8.72	
1271	1008	—	794	—		
1259	1159	—	921	—		
1280	708	727	554	567	7.89, 7.91	
1258	960	994	765	790	8.50, 8.56	
1279	1101	1110	861	870	8.73, 8.76	
1268	1072	—	845	—		
1285	660	—	514	—		523+
1272	925	908	727	714	8.40, 8.35	
1262	983	—	778	—		
1247	545	—	437	—		420+
1229	590	696	480	566	7.67, 7.92	
1278	1090	—	854	—		
1266	1108	1134	875	895	off comp	
1281	975	—	760	—		
1257	323	—	257	—		479+

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1930phae.proj.1278C

28P-RH 1962- Sept 19, 1930.

Strip	Class	Star	y	x	Defl	Defl	cc	dk	Volts
		160	2569	598	1379	1430	1859	597	
25.6		173	2591	472	1572	—	1859	598	
		174	2580	508	1686	—	1841	597	
		175	2597	510	1781	—	1876	598	
		176	2590	544	1629	—	1876	598	
		161	2583	588	1549	1517	1878	598	
		177	2582	637	1273	—	1867	598	
		178	2583	712	1543	—	1878	597	
		179	2582	730	1723	—	1861	598	
		180	2580	731	869	—	1861	597	
		162	2593	831	939	905	1841	596	
		163	2585	1046	1642	1630	1840	600	
26.0		181	2618	493	1505	—	1863	600	
		182	2600	497	1776	—	1887	600	
		183	2610	585	1562	—	1860	600	
		184	2608	872	1599	—	1855	601	
26.2		185	2623	635	1731	—	1853	601	
		164	2621	712	1621	1620	1858	601	
		165	2630	817	1252	1303	1858	600	
		166	2640	983	640	622	1849	598	
26.4		186	2640	913	1663	—	1870	600	
26.6		187	2660	515	1189	—	1869	600	
		188	2670	550	1631	—	1869	601	
		167	2660	580	1330	1416	1860	600	
		189	2659	588	1689	—	1876	602	
		190	2654	599	1703	—	1870	601	
		191	2670	718	1318	—	1848	601	
		168	2660	862	1360	1387	1869	601	
		14	2032	757	612	—	1832	603	
		1	1811	467	644	—	1869	602	

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1930phae.proj.12780

α-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	L. No
1262	782	833	620	660	8.07, 8.21	
1261	974	—	772	—		
1244	1089	—	875	—		
1278	1183	—	926	—		
1278	1031	—	807	—		
1250	945	919	755	735	8.47, 8.40	
1269	675	—	533	—		457 +
1281	946	—	740	—		
1263	1125	—	890	—		~~426~~
1264	272	—	216	—		↓ 426 +
1245	337	309	271	248	6.81, 6.69	
1240	1042	1030	840	830	8.69, 8.66	
1263	905	—	715	—		509 +
1287	1176	—	915	—		
1260	962	—	764	—		
1254	938	—	748	—		
1252	1130	—	904	—		
1257	1020	1019	810	810	8.61, 8.61	
1258	652	703	518	558	7.98, 7.40	
1251	42	24	34	19	4.62, 4.09	
1270	763	—	600	—		
1269	589	—	465	—		498 +
1268	1030	—	814	—		
1260	730	816	580	648	7.97, 8.16	
1274	1087	—	855	—		
1269	1102	—	870	—		
1247	717	—	575	—		
1268	759	786	599	620	8.01, 8.08	
1229	9	—	7	—		
1267	42	—	33	—		

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1930phae.proj.1278C

ZC-BH 1962 – Sept 19, 1930.

Strip	Class	Star	y	x	Decl	Decl	cc	dk	Volts	
Plate Finished		2	—	—	713	—	1847	602		
		3	—	—	745	—	1852	601		
		4	—	—	778	—	1859	602		
		5	—	—	809	—	1862	601		
		6	—	—	1022	—	1860	601		
		7	—	—	1074	—	1867	600		
		8	—	—	1414	—	1856	600	500	

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1930phae.proj.12780

Cl-Dk	Defl-Dk	Red Defl.
1245	111	818
1251	144	115
1257	171	136
1261	258	204
1259	421	334
1267	474	374
1256	814	647

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1930phae.proj.12780

FMC RH 1963 Sept. 19, 1930

Strip	Class	Star	y	x	Dyy	Dyx	dy	Dk	Vach
		15	2030	780	580	—	1810	572	
		1	1825	478	631	—	1740	572	
		2	—	—	671	—	1811	575	
		3	—	—	780	—	1800	578	
		4	—	—	772	—	1800	577	
		5	—	—	910	—	1835	580	
		6	—	—	1092	—	1828	580	
		7	—	—	1121	—	1843	580	
		8	—	—	1420	—	1769	580	
		9	—	—	1590	—	1802	580	
15.4	p	1	1554	609	950	—	1828	580	
	p	2	1540	699	1442	—	1850	582	
15.6	f	1	1561	562	1541	1567	1850	588	
	fp	3	1575	569	1372	—	1845	588	
	p	4	1570	573	1577	—	1845	590	
	p	5	1560	590	1591	—	1815	589	
	f	2	1572	700	1278	1257	1834	589	
	fp	6	1569	901	1225	—	1840	589	
15.8	p	7	1590	632	1533	—	1848	590	
	p	8	1591	637	1146	—	1819	590	
	f	3	1589	807	1034	1054	1810	590	
	fp	9	1591	984	805	—	1825	590	
16.0	f	4	1608	850	1310	1321	1842	594	
	f	5	1610	860	849	860	1810	592	
	fp	10	1610	1027	1219	—	1799	592	
16.2	fp	11	1627	431	1573	—	1850	598	
	fp	12	1600	893	1338	—	1839	600	
	f	6	1609	894	1540	1554	1817	599	
	fp	13	1620	951	1360	—	1810	600	
	f	7	1621	962	1140	1132	1780	600	

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1930phae.proj.12761

Cl. Dk	Defl. Dk	Defl. Dk	Red Defl	Red Defl	Mag.	L. No.
1238	8	—	6	—		
1168	59	—	50	—		
1236	96	—	78	—		
1222	202	—	165	—		
1223	195	—	159	—		
1255	330	—	264	—		
1248	512	—	410	—		
1263	541	—	429	—		
1189	840	—	708	—		
1222	1010	—	910	—		
1248	370	—	297	—		1030 +
1268	860	—	680	—		
1262	953	979	755	775	8.50, 8.53	
1257	784	—	624	—		
1255	987	—	787	—		
1226	1002	—	816	—		
1245	684	668	548	536	7.67, 7.63	
1251	636	—	508	—		1164 +
1258	943	—	750	—		
1229	556	—	454	—		1044 +
1220	444	464	364	380	7.10, 7.12	
1235	215	—	174	—		1214 +
1248	716	727	575	584	7.77, 7.80	
1218	257	268	211	220	6.33, 6.40	
1207	627	—	520	—		1235 +
1252	975	—	780	—		
1239	738	—	596	—		1176 +
1218	941	955	775	785	8.54, 8.58	
1210	760	—	630	—		1201 +
1180	540	532	458	451	7.39, 7.36	

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1930phae.proj.12780

Fmc RH 1963 Sept. 19, 1920

Strip	class	star	y	x	Dyy	Dyy	cc	Dk Volts
16.4	fp	14	1640	373	1559	—	1827	600
	f	8	1640	450	1280	1326	1835	600
	f	9	1640	495	1208	1170	1838	600
	f	10	1650	510	1396	1371	1800	600
	f	11	1650	640	1240	1230	1815	600
	fp	15	1654	718	1460	—	1819	601
16.6	fp	16	1659	395	1241	—	1830	601
	fp	17	1670	930	1088	—	1780	601
16.8	fp	18	1690	369	1403	—	1827	601
	f	12	1690	507	1341	1358	1880	602
	f	13	1680	551	1580	1600	1804	603
	f	14	1690	720	1570	1573	1819	605
17.0	fp	19	1707	562	1591	—	1820	605
	fp	20	1710	839	1270	—	1892	605
	f	15	1715	1006	879	911	1815	606
	fp	21	1709	1010	1495	—	1830	605
	fp	22	1718	1030	1503	—	1830	605
17.2	fp	23a	1725	340	1520	—	1780	607
	f	16	1720	591	932	955	1818	607
	f	17	1730	637	1580	1598	1825	608
	f	18	1720	859	899	900	1815	608
	f	19	1722	888	1578	1620	1825	609
	fp	23b	1732	999	1580	—	1828	609
		15	9030	780	617		1810	608
		1	1825	478	664	—	1761	605
		2	—	—	708	—	1804	605
		3	—	—	753	—	1810	605
		4	—	—	780	—	1810	605
		5	—	—	872	—	1833	605
		6	—	—	1050	—	1838	604
		7	—	—	1100	—	1825	605
		8	—	—	1400	—	1760	605
		9	—	—	1560	—	1790	605

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1930phae.proj.12781

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	L.No
1227	959	—	781	—		
1235	680	726	550	590	7.69, 7.82	
1238	608	570	492	460	7.50, 7.39	
1200	796	771	665	644	8.12, 8.07	
1215	640	630	527	520	7.59, 7.57	
1218	859	—	705	—		
1229	640	—	520	—		926 +
1179	487	—	414	—		1208 +
1226	802	—	654	—		
1218	739	756	606	622	7.89, 7.97	
1201	977	997	814	830	8.69, 8.74	
1214	965	968	795	798	8.61, 8.62	
1215	986	—	814	—		
1227	665	—	543	—		1166 ✓
1209	273	305	226	253	6.41, 6.60	
1225	890	—	726	—		
1225	898	—	734	—		
1173	913	—	779	—		
1211	325	348	268	287	6.67, 6.75	
1217	972	990	800	814	8.63, 8.69	
1207	291	292	241	242	6.51, 6.51	
1216	969	1011	796	833	8.61, 8.76	
1219	971	—	797	—		
1202	9	—	7	—		
1156	59	—	51	—		
1199	103	—	84	—		
1205	148	—	123	—		
1205	175	—	145	—		
1228	267	—	218	—		
1234	446	—	362	—		
1220	495	—	405	—		
1155	795	—	690	—		
1185	955	—	805	—		

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1930phae.proj.12780

Fmc R H 1963 Sept. 22, 1920

Strip	class	star	y	x	Dpe	Dpe	ce	Dh	Volts
		15	2030	779	619	—	1909	600	
		1	1825	476	652	—	1841	600	
		2	—	—	705	—	1879	601	
		3	—	—	789	—	1895	601	
		4	—	—	790	—	1875	600	
		5	—	—	912	—	1910	601	
		6	—	—	1094	—	1909	601	
		7	—	—	1139	—	1900	605	
		8	—	—	1460	—	1840	605	
		9	—	—	1638	—	1875	604	
17.4	f	24	1740	910	1472	—	1910	608	
	f	25	1759	425	1271	—	1887	605	
	f	20	1748	721	1069	1050	1910	618	
	f	21	1752	850	1085	1090	1901	615	
	f	26	1752	946	1487	—	1910	615	
	f	27	1751	1077	1375	—	1904	615	
17.6	f	22	1768	992	1595	1600	1921	610	
	f	23	1770	660	1539	1531	1900	610	
	f	28	1761	722	1200	—	1872	611	
	f	29	1762	760	1480	—	1887	612	
	f	30	1770	940	1075	—	1890	615	
	f	31	1772	1031	1461	—	1898	618	
	f	24	1765	1062	1390	1371	1870	620	
	f	32	1772	1123	1212	—	1860	619	
17.8	f	33	1780	801	1350	—	1861	619	
	f	34	1790	521	1370	—	1870	620	
	f	25	1780	580	1310	1340	1890	620	
	f	26	1790	700	1528	1531	1889	620	
	f	35	1791	912	1211	—	1885	621	
	f	27	1789	917	1480	1490	1870	621	

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1930phae.proj.12700

Cl-Obs	Defl-Obs	Defl-Obs	Red Defl	Red Defl	Mag.	L.No
1309	19	—	14	—		
1241	52	—	42	—		
1278	104	—	82	—		
1294	188	—	146	—		
1275	190	—	149	—		
1309	311	—	238	—		
1308	493	—	378	—		
1295	528	—	408	—		
1235	855	—	693	—		
1271	1034	—	815	—		
1302	864	—	660	—		892
1282	666	—	520	—		907
1292	451	432	349	334	6.97, 6.92	
1286	470	475	366	370	7.03, 7.06	
1295	872	—	674	—		1244
1289	760	—	590	—		8
1311	985	990	750	755	8.53, 8.56	
1290	929	921	720	715	8.40, 8.37	
1261	589	—	466	—		1109
1275	868	—	680	—		
1275	460	—	360	—		1251
1280	843	—	658	—		
1250	710	751	568	601	7.87, 7.99	
1241	593	—	477	—		23
1242	731	—	589	—		880
1250	750	—	600	—		948
1270	690	720	544	567	7.78, 7.87	
1269	908	911	716	720	8.36, 8.39	
1264	590	—	467	—		1246
1249	859	869	688	687	8.27, 8.27	

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1930phae.proj.12780

FMC RH 1963 Sept. 22, 1930

strip	class	star	y	x	Decl	Decl	cl	sh
17.8	fp	36	1780	919	1010	—	1880	620
	fp	28	1789	1002	1523	1505	1862	621
	fp	37	1792	1090	1602	—	1870	621
18.0	fp	38	1801	495	1570	—	1910	621
	fp	29	1801	550	1511	1518	1860	622
	fp	39	1810	711	1588	—	1883	623
	fp	40	1810	880	1390	—	1870	622
	fp	30	1800	829	940	941	1870	621
	fp	31	1811	870	1300	1301	1880	621
	fp	32	1800	887	871	900	1870	620
	fp	33	1809	909	1542	1566	1870	621
	fp	34	1810	1108	1538	1560	1860	622
18.2	fp	35	1820	370	1583	1623	1879	625
	fp	41	1825	576	1540	—	1864	625
	fp	42	1837	752	1550	—	1878	625
	fp	43	1830	935	984	—	1878	625
	fp	36	1830	1040	1151	1188	1871	625
	fp	44	1820	1156	1010	—	1868	623
18.4	fp	45	1850	948	1501	—	1872	625
	fp	37	1853	645	1564	1594	1867	628
	fp	38	1858	752	1230	1251	1861	628
	fp	39	1844	850	1289	1300	1883	623
	fp	46	1858	915	1334	—	1878	623
	fp	47	1849	938	1637	—	1880	623
	fp	48	1850	948	1629	—	1850	624
	fp	49	1850	992	1515	—	1875	624
	fp	40	1850	1067	1385	1410	1875	625
	fp	50	1840	1080	1480	—	1850	625
	fp	41	1848	1119	1158	1160	1885	625
18.6	fp	51	1861	349	1610	—	1863	625

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1930phae.proj.12701

C-Dk	Dfl-Dk	Dfl-Dk	Red Dfl	Red Dfl	Mag.	L.NO.
1260	390	—	309	—		1242 ✓
1241	902	884	726	712	8.42, 8.36	
1249	981	—	787	—		
1289	949	—	750	—		
1238	889	896	717	723	8.37, 8.41	
1260	965	—	767	—		
1248	768	—	608	—		1189 ✓
1249	319	320	256	258	6.53, 6.54	
1259	679	680	541	541	7.79, 7.79	
1250	251	280	201	224	6.21, 6.35	
1249	921	945	739	757	8.48, 8.57	
1238	916	938	739	759	8.48, 8.57	
1254	958	998	764	797	8.60, 8.77	
1239	915	—	740	—		
1253	925	—	737	—		
1253	359	—	286	—		1279 ✓
1246	526	563	423	452	7.30, 7.43	
1245	387	—	311	—		51 +
1247	876	—	701	—		
1239	936	966	750	774	8.52, 8.66	
1233	602	623	488	515	7.59, 7.66	
1260	666	677	528	537	7.71, 7.77	
1255	711	—	566	—		
1257	1014	—	808	—		
1226	1005	—	822	—		
1251	891	—	710	—		
1250	761	785	609	637	8.00, 8.08	
1225	865	—	698	—		
1260	533	535	423	424	7.30, 7.30	
1238	985	—	794	—		

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1930phae.proj.12780

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Inc. RN1963 Sept 22 - 1930

Strip	class	star	y	x	Dye	Dye	a	Δh	Volt
18.6	A	42	1861	535	1525	1529	1875	625	
		52	1870	596	1541	—	1875	625	
		53	1869	770	1168	—	1869	625	
18.8		54	1881	522	1479	—	1860	625	
		55	1899	954	1571	—	1879	628	
		56	1890	1021	780	—	1880	628	
		43	1895	1173	1430	1440	1877	628	
19.0		57	1910	230	1495	—	1894	629	
		44	1910	237	1460	1488	1880	629	
		58	1910	387	1560	—	1860	629	
		45	1909	580	910	900	1865	625	
		46	1901	900	1463	1481	1850	628	
		47	1911	1233	1570	1580	1860	629	
19.2		59	1936	290	1040	—	1902	625	
		48	1930	629	1440	1450	1860	625	
		49	1930	678	1595	1610	1861	625	
		60	1931	951	1140	—	1899	629	
		61	1929	1136	1410	—	1870	630	
		15	2030	779	642	—	1865	630	
		1	1825	476	679	—	1910	630	
		2	—	—	718	—	1868	630	
		3	—	—	770	—	1849	630	
		4	—	—	829	—	1850	630	
		5	—	—	905	—	1875	630	
		6	—	—	1180	—	1880	630	
		7	—	—	1159	—	1870	630	
		8	—	—	1457	—	1800	630	
		9	—	—	1640	—	1858	630	
						—			

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1930phae.proj.12761

Cl. Dk.	Defl. Dk.	Defl. Dk.	Reduced	Reduced	Magn.	L. No.
1250	900	904	720	725	8.40, 8.42	
1250	916	—	733	—		
1244	543	—	437	—		1171 ✓
1235	864	—	692	—		
1257	943	—	752	—		
1252	152	—	121	—		56 ✓
1249	802	812	643	650	8.12, 8.13	
1265	866	—	683	—		
1261	831	859	664	686	8.19, 8.26	
1231	931	—	755	—		
1240	285	275	229	342	6.37, 6.97	
1222	835	853	682	697	8.25, 8.29	
1231	941	951	763	772	8.60, 8.63	
1277	415	—	326	—		805 ✓
1235	815	825	610	667	8.01, 8.19	
1236	970	985	785	797	8.70, 8.78	
1270	511	—	403	—		62 ✓
1240	780	—	630	—		90 +
1235	12	—	10	—		
1280	49	—	38	—		
1238	88	—	71	—		
1219	140	—	115	—		
1220	199	—	164	—		
1245	245	—	221	—		
1250	550	—	440	—		
1240	529	—	426	—		
1170	827	—	707	—		
1228	1010	—	822	—		

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1930phae.proj.12780

2gP - R.A. 1963 — Sept 23, 1930.

Strip	Class	Star	y	x	Diff	Diff	Cl	Mk.	Volts
		1s	2020	779	594		1897	585	530
		1	1825	773	643	—	1922	585	
		2	—	—	719	—	1901	587	
		3	—	—	742	—	1909	588	
		4	—	—	781	—	1909	589	
		5	—	—	918	—	1939	591	
		6	—	—	1132	—	1946	596	
		7	—	—	1199	—	1958	595	
		8	—	—	1473	—	1877	597	
		9	—	—	1694	—	1916	598	
194		62	1957	151	1332	—	1953	600	
		50	1934	160	1721	1713	1928	601	
		51	1940	219	1305	1280	1969	600	
		63	1950	243	1371	—	1956	601	
		52	1951	251	1599	1630	1948	603	
		53	1953	269	1654	1671	1864	604	
		64	1949	283	1761	—	1962	607	
		54	1950	330	1700	1690	1973	607	
		65	1949	565	1511	—	1942	609	
		66	1950	642	1717	—	1958	608	
		67	1940	645	1802	—	1939	610	
		55	1940	690	1739	1740	1929	608	
		56	1941	704	1840	1844	1966	611	
		57	1940	711	1809	1803	1949	611	
		58	1947	873	1790	1814	1959	612	
		68	1940	973	1689	—	1962	613	
		69	1940	1145	1779	—	1957	614	
		70	1940	1182	1690	—	1962	613	
196		59	1969	200	1523	1527	1973	614	
		60	1972	290	1130	1112	1979	614	

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1930phae.proj.12780

Cl.–Dk.	Defl.–Dk.	Defl.–Dk.	Reduced	Reduced	Magn.	L. No.
1312	9	—	7	—		
1337	58	—	43	—		
1314	132	—	100	—		
1321	154	—	117	—		
1320	192	—	145	—		
1342	327	—	243	—		
1353	539	—	397	—		
1363	604	—	442	—		
1280	876	—	684	—		
1318	1096	—	832	—		
1353	732	—	542	—		
1327	1120	1112	843	840	8.99, 8.97	
1369	705	680	515	497	7.57, 7.49	
1355	770	—	668	—		790
1345	996	1027	741	762	8.52, 8.61	
1260	1050	1067	834	847	8.93, 9.00	
1355	1154	—	851	—		
1366	1093	1083	800	792	8.76, 8.72	
1333	902	—	674	—		
1350	1109	—	820	—		
1349	1192	—	884	—		
1321	1125	1132	850	857	Accurate	
1355	1229	1233	907	910	Accurate	
1338	1248	1192	933	891	Accurate	
1347	1178	1202	874	892	Accurate	
1349	1076	—	797	—		
1343	1165	—	867	—		
1349	1074	—	799	—		
1359	809	913	595	672	7.89, 8.21	
1359	516	498	381	367	6.99, 6.91	

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1930phae.proj.12780

2 yP - R Y 1963 — Sept 23, 1930.

Strip	Class	Star	y	x	Dep[illegible]	Dep[illegible]	[illegible]	[illegible]	Ratio
		61	1970	401	1592	1605	1962	610	
		62	1969	485	1883	1860	1982	614	
		71	1969	537	1815	—	1962	617	
		72	1960	652	1703	—	1953	616	
		63	1968	831	1585	1534	1959	618	
		73	1979	859	1697	—	1943	616	
		64	1961	968	1510	1492	1956	619	
1981		65	1982	228	1801	1825	1980	620	
		66	1983	300	1806	1790	1972	621	
		67	1982	330	1860	1950	1957	623	
		68	1980	361	1865	1843	1959	622	
		74	1980	593	1742	—	1968	624	
		75	1980	640	1430	—	1978	622	
		69	1989	670	1548	1610	1954	623	
		70	1990	781	1626	1671	1950	622	
		71	1980	828	1757	1759	1954	623	
		72	1980	877	1100	1172	1960	623	
		76	1980	986	1522	—	1963	620	
		73	1995	1041	1410	1453	1978	622	
		74	1980	1069	1678	1676	1962	623	
		75	1982	1070	1583	1590	1962	624	
		77	1988	1099	1303	—	1969	623	
		76	1979	1167	1760	1792	1979	620	
		10	2030	779	643	—	1937	625	
		1	1825	473	700	—	1890	622	
		2	—	—	745	—	1942	623	
		3	—	—	797	—	1959	623	
		4	—	—	897	—	1936	622	
		5	—	—	995	—	1979	623	
		6	—	—	1296	—	1960	623	
		7	—	—	1236	—	1984	622	
		8	—	—	1500	—	1897	624	
		9	—	—	1720	—	1937	623	625

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1930phae.proj.12780

C-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag	L.No
1347	977	990	727	736	8.48, 8.50	
1368	1269	1246	927	910	off curve	
1345	1198	—	890	—		
1337	1087	—	813	—		
1341	967	916	721	684	8.43, 8.27	
1327	1081	—	816	—		
1337	891	873	667	653	8.19, 8.13	
1360	1181	1205	870	887	off curve	
1351	1185	1174	876	867	off curve	
1334	1237	1327	926	993	off curve	
1337	1243	1221	931	915	off curve	
1334	1118	—	838	—		
1356	808	—	596	—		
1331	925	987	696	741	8.31, 8.52	
1328	1004	1049	757	791	8.58, 8.72	
1331	1134	1136	852	854	off curve	
1337	527	549	394	410	7.03, 7.10	
1343	902	—	673	—		
1356	788	831	583	614	7.82, 7.98	
1339	1055	1053	789	787	8.70, 8.70	
1338	959	966	711	722	8.40, 8.44	
1346	686	—	505	—		118
1354	1135	1167	838	863	8.94, off curve	
1312	18	—	14	—		
1268	78	—	62	—		
1319	122	—	93	—		
1336	174	—	130	—		
1314	215	—	164	—		
1356	372	—	274	—		
1337	578	—	433	—		
1362	614	—	464	—		
1273	876	—	688	—		
1314	1097	—	834	—		

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1930phae.proj.12780

FMC RH 1963 Sept 23, 1920

Strip	Class	Star	γ	δ	$\Delta\delta$ eff	$\Delta\delta$	cc	dk Volts
		15	2030	779	600	—	1900	590
		1	1825	473	652	—	1854	592
		2	—	—	710	—	1914	595
		3	—	—	771	—	1912	598
		4	—	—	850	—	1920	600
		5	—	—	950	—	1967	600
		6	—	—	1134	—	1960	600
		7	—	—	1210	—	1957	600
		8	—	—	1490	—	1880	602
		9	—	—	1700	—	1940	603
20.0		78	2018	262	1580	—	1958	609
		77	2001	570	1670	1678	1950	610
		78	2012	647	1508	1510	1950	610
		79	2018	910	795	763	1940	610
		79	2010	1276	1421	—	1955	610
20.2		80	2020	1052	1581	—	1980	611
		81	2026	299	1540	—	1953	611
		82	2030	438	1647	—	1960	612
		83	2025	800	1588	—	1959	614
		80	2035	892	1255	1007	1952	614
		81	2021	925	1600	1645	1928	615
		84	2031	1093	1360	—	1965	617
20.4		85	2054	340	1489	—	1932	619
		86	2040	455	1037	—	1951	619
		87	2050	830	1690	—	1952	620
		88	2052	980	1401	—	1960	620
		89	2050	1002	1660	—	1930	620
		82	2050	1160	1670	1725	1960	620
20.6		83	~~19~~ 1960	359	1050	1020	1960	620
		84	~~19~~ 1975	851	1045	1060	1935	620

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1990phee.proj.12780

α-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag	L.NO
1309	9	—	7	—		
1262	60	—	49	—		
1319	115	—	87	—		
1314	173	—	131	—		
1320	250	—	189	—		
1367	350	—	255	—		
1360	534	—	395	—		
1357	610	—	450	—		
1278	888	—	694	—		
1337	1097	—	819	—		
1349	971	—	723	—		
1340	1060	1068	792	797	8.73, 8.77	
1340	898	900	672	672	8.09, 8.09	
1330	185	153	139	115	5.70, 5.50	
1345	811	—	603	—		185 +
1369	910	—	665	—		
1342	929	—	693	—		
1348	1035	—	767	—		
1345	974	—	725	—		105 ✓
1338	641	643	479	480	7.39, 7.40	
1313	1035	1030	788	785	8.69, 8.69	
1348	743	—	767	—		
1313	870	—	663	—		748 ✓
1332	908	—	681	—		765 ✓
1333	1070	—	802	—		
1340	781	—	582	—		
1310	1040	—	794	—		
1340	1050	1105	783	823	8.70, 9.01	
1340	430	400	321	298	6.80, 6.68	
1315	425	440	324	335	6.80, 6.90	

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1930phae.proj.12780

Fmc RH 1963 Sept 23-1930

Trig	Class	Star	y	x	Dyf	Dyf	Cc	Kk	Volts
20.6		85	2070	879	1580	1580	1950	621	
		90	2067	1089	1650	—	1959	621	
		91	2061	1089	1699	—	1960	621	
		86	2060	1095	1697	1720	1960	621	
		87	2060	1100	1601	1602	1959	621	
20.8		88	2090	421	1640	1622	1958	622	
		89	2090	540	1675	1650	1959	622	
		90	2094	1002	1677	~~1720~~ 1715	1968	622	
		15	2030	779	641	—	1963	622	
		1	1425	473	679	—	1888	622	
		2	—	—	741	—	1935	622	
		3	—	—	795	—	1938	622	
		4	—	—	921	—	1935	622	
		5	—	—	922	—	1955	622	
		6	—	—	1160	—	1969	622	
		7	—	—	1221	—	1959	622	
		8	—	—	1554	—	1891	622	
		9	—	—	1695	—	1942	620	
20P 1963 RH 1930 Oct 8		15	2030	738	710	—	1720	710	510
		1	1825	436	742	—	1843	721	
		2	—	—	820	—	1817	729	
		3	—	—	848	—	1841	732	
		4	—	—	863	—	1842	730	
		5	—	—	970	—	1842	740	
		6	—	—	1130	—	1852	740	
		7	—	—	1184	—	1868	743	
		8	—	—	1451	—	1803	743	
		9	—	—	1650	—	1810	731	
21.0		91	2104	318	1504	1524	1857	737	
		92	2106	381	1602	1621	1848	740	

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Obs.-Dk.	Defl.-Dk.	Defl-Dk	Reduced	Reduced	Magn	L.NO
1329	959	959	723	723	8.31, 8.31	
1338	1029	—	770	—		
1339	1078	—	805	—		
1339	1076	1099	804	822	8.83, 8.90	
1336	960	981	733	734	8.34, 8.34	
1336	1018	1000	763	760	8.53, 8.52	
1337	1053	1028	779	770	8.63, 8.60	
1346	1055	1083	782	805	8.66, 8.84	
1341	19	—	14	—		
1266	57	—	45	—		
1313	119	—	91	—		
1316	173	—	131	—		
1313	299	—	237	—		
1333	300	—	225	—		
1347	538	—	400	—		
1337	599	—	447	—		
1269	932	—	735	—		
1320	1073	—	812	—		
1010	0	—	0	—		
1122	21	—	19	—		
1088	91	—	76	—		
1109	116	—	105	—		
1112	133	—	120	—		
1102	230	—	209	—		
1112	390	—	351	—		
1125	441	—	392	—		
1060	708	—	668	—		
1079	919	—	851	—		
1120	767	787	685	703	8.43, 8.50	
1108	862	881	777	796	8.68, 8.75	

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1930phae.proj.12780

Strip ~~Plate~~ RH 1963 – Oct 8, 1930

Strip	class	star	y	x	Dyp	Dyp	α	Dx
		92	2110	437	1698	—	1870	743
		93	2100	489	1529	1063	1862	751
		94	2117	497	1022	1022	1840	741
		95	2099	650	1657	1638	1860	719
		96	2110	710	1579	1606	1837	726
		93	2103	992	1691	—	1828	737
		97	2109	1118	1141	1168	1836	732
21.2	p	94	2130	294	1307	—	1867	749
		98	2120	320	1160	1152	1860	730
	p	95	2136	482	1617	—	1849.	742
		99	2130	590	1411	1452	1844	734
		100	2120	647	1440	1438	1850	733
		101	2128	658	1460	1460	1850	749
	p	96	2128	1129	965	—	1848	748
21.4	p	97	2153	381	1598	—	1866	740
		102	2143	407	1700	1700	1860	740
		103	2150	598	1749	1742	1859	720
		104	2150	691	1552	1567	1829	713
		105	2140	832	1286	1366	1839	703
	p	98	2142	960	891	—	1833	697
21.6	p	99	2167	188	1600	—	1831	700
		100	2167	259	1673	—	1842	701
		106	2160	399	1640	1650	1833	720
	p	101	2161	507	1018	—	1793	717
2.		107	2161	1032	757	741	1849	712
		102	2171	1048	1702	—	1858	720
		108	2172	1167	920	951	1840	711
21.8	p	103	2180	263	1510	—	1860	719
		104	2180	403	1547	—	1863	721
		109	2186	850	1716	1710	1840	722

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1993phae.proj.12700

Cl-Dk	Dyll-Dk	Dyll-Dk	Red Dyll	Red Dyll	Mag.	L. No
1127	955	—	848	—		
1111	778	812	709	730	8.50, 8.56	
1099	281	281	256	256	6.63, 6.63	
1141	938	919	842	825	8.90, 8.85	
1114	856	883	768	792	8.66, 8.73	
1091	954	—	875	—		
1104	409	436	371	395	6.72, 6.80	
1118	558	—	500	—		713
1130	430	422	381	383	7.25, 7.26	
1107	875	—	790	—		
1110	677	718	610	633	8.23, 8.30	
1117	707	705	632	631	8.30, 8.30	
1101	711	711	641	641	8.32, 8.32	
1105	222	—	200	—		
1126	858	—	763	—		183
1120	960	960	857	857	8.96, 8.96	
1139	1029	1022	865	858	off curve 8.97	
1116	839	854	753	766	8.63, 8.66	
1136	583	663	513	582	7.83, 8.12	
1136	194	—	171	—		205
1131	900	—	796	—		
1141	972	—	852	—		
1113	920	930	825	834	8.83, 8.89	
1076	301	—	280	—		627
1137	45	29	38	25	4.70, 4.40	
1138	982	—	863	—		
1129	209	240	186	213	6.22, 6.41	
1141	891	—	782	—		688
1142	826	—	726	—		
1118	994	988	889	883	9.06, 9.03	

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1930phae.proj.1278C

Wp- R.A. 1963 — Oct 8, 1930

Strip	class	star	x	y	Diff	Diff	α	Δα	Voth
	p	105	2176	1261	1710	—	1853	737	
	p	106	2182	1262	1452	—	1847	731	
22.0	p	110	2209	277	1480	1465	1863	723	
	p	107	2209	339	1431	—	1840	719	
	p	111	2209	362	1724	1804	1807	721	
	p	112	2213	372	1592	1552	1870	728	
	p	113	2209	441	1647	1093	1836	737	
	p	108	2210	453	1713	—	1862	737	
	p	109	2217	467	1378	—	1832	727	
	p	110	2201	572	1509	—	1855	722	
	p	114	2203	1098	1397	1379	1850	730	
	p	111	2196	1134	1648	—	1842	728	
	p	112	2210	1239	1332	—	1848	731	
		10	2030	738	742	—	1781	729	
		1	1825	736	762	—	1870	731	
		2	—	—	813	—	1858	738	
		3	—	—	850	—	1856	739	
		4	—	—	860	—	1852	732	
		5	—	—	957	—	1859	731	
		6	—	—	1117	—	1840	728	
		7	—	—	1167	—	1870	731	
		8	—	—	1437	—	1781	730	
		9	—	—	1650	—	1820	720	510

Wp- R.A. 1963 - Oct 9, 1930

	10	2030	716	688	—	1732	678	510
	1	1825	712	720	—	1790	696	
	2	—	—	780	—	1792	700	
	3	—	—	849	—	1788	697	
	4	—	—	848	—	1793	700	
	5	—	—	910	—	1803	699	

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1998phea.prod.12703

cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag	L. No
1116	973	—	870	—		
1116	721	—	646	—		
1140	757	742	665	652	8.40, 8.36	
1121	712	—	635	—		669 +
1086	1003	1083	925	999		
1142	864	824	756	722	8.63, 8.54	
1099	830	856	755	780	8.62, 8.70	
1125	976	—	870	—		601 ✓
1105	651	—	589	—		
1133	837	—	740	—		
1120	667	649	595	579	8.18, 8.10	
1112	918	—	825	—		
1117	601	—	538	—		206 +
1052	13	—	12	—		
1139	31	—	27	—		
1120	75	—	67	—		
1117	111	—	99	—		
1120	128	—	101	—		
1128	226	—	200	—		
1112	389	—	350	—		
1139	436	—	383	—		
1151	707	—	613	—		
1100	930	—	847	—		
1054	10	—	9	—		
1094	24	—	22	—		
1092	80	—	73	—		
1091	152	—	139	—		
1093	148	—	136	—		
1104	211	—	183	—		

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1930phae.proj.1278C

Dyr. R.A. 1963 - Oct 9, 1920

Strip	Class	Star	y	Δδ	Δrefl	Δrefl	Cl	Δk Folds
		6	—	—	1157	—	1757	700
		7	—	—	1143	—	1833	702
		8	—	—	1402	—	1749	700
		9	—	—	1572	—	1781	703
22.2	p	113	2220	208	1290	—	1827	703
	p	114	2230	991	1103	—	1838	731
	p	115	2221	899	1213	1228	1864	762
	p	115	2220	1013	1121	—	1869	778
	p	116	2223	1024	1757	1770	1895	774
	p	117	2228	1059	1733	1740	1872	751
	p	118	2231	1087	821	841	1829	735
	p	119	2230	1092	1717	1708	1832	737
22.4	p	116	2258	076	1321	—	1802	731
	p	117	2243	131	1369	—	1833	727
	p	120	2246	167	1713	1732	1870	728
	p	118	2248	291	1718	—	1848	729
	p	119	2247	322	1227	—	1842	728
	p	121	2237	410	1728	1710	1850	729
	p	122	2250	586	1661	1661	1851	732
	p	123	2244	604	1731	1801	1847	733
	p	124	2253	829	1266	1281	1852	740
	p	120	2250	912	1387	—	1840	752
	p	125	2247	981	1769	1771	1873	768
	p	121	2241	988	1601	—	1880	770
	p	122	2243	1010	1702	—	1883	771
	p	126	2240	1042	1269	1282	1898	773
	p	127	2251	1109	1047	1070	1880	780
22.6	p	128	2260	089	1629	1644	1894	783
	p	129	2277	187	1623	1638	1899	792
	p	123	2270	399	1710	—	1898	800

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1030phe.prj.12780

Cl-Dk	Defl.Dk	Defl.Dk	Red Defl	Red Defl	Mag	L. NO.
1057	457	—	434	—		
1131	441	—	390	—		
1049	702	—	670	—		
1078	869	—	805	—		
1124	587	—	524	—		679 ✓
1107	372	—	336	—		625 ✓
1102	451	466	409	424	7.30, 7.40	
1091	343	—	314	—		240 ✓
1121	983	996	876	890	off curve	
1121	982	989	875	881	off curve	
1094	86	106	79	97	5.21, 5.49	
1095	980	971	895	888	off curve	
1071	590	—	550	—		683 +
1106	642	—	580	—		681 +
1142	985	1004	863	910	off curve	
1119	989	—	885	—		
1114	499	—	448	—		642 ✓
1121	999	981	890	875	off curve	
1119	929	929	830	830	9.05, 9.08	
1114	998	1068	896	958	off curve	
1112	526	541	474	486	7.57, 7.62	
1088	635	—	585	—		274 ✓
1105	1001	1003	906	908	off curve	
1110	830	—	748	—		
1112	931	—	838	—		
1125	496	509	442	453	7.47, 7.50	
1100	267	290	243	264	6.59, 6.67	
1111	856	861	770	775	8.74, 8.77	
1107	841	846	760	765	8.70, 8.73	
1098	910	—	830	—		

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1930phae.proj.12780

Eff - R.A. 1963 - Oct 9, 1930

strip	Class	Star	Y	X	Defn	Defn	Cl.	Dk	Volts
		130	2261	539	1797	1791	1904		792
		124	2259	541	1762	—	1908		800
		131	2260	602	1790	1514	1908		800
		132	2260	711	1739	1754	1898		801
		125	2260	730	1734	—	1889		801
		126	2264	748	1754	—	1888		797
		133	2269	797	1701	1702	1908		798
		134	2270	905	1690	1740	1870		800
		135	2261	1099	1571	1621	1917		804
		127	2263	1102	1660	—	1886		805
		136	2263	1129	1798	1800	1922		820
		128	2260	1143	1790	—	1929		811
		129	2260	1162	1743	—	1923		808
22.8		130	2280	097	1783	—	1897		801
		137	2280	105	1755	1753	1902		803
		131	2288	902	1762	—	1899		800
		132	2280	947	1750	—	1907		800
		133	2298	943	1152	—	1927		800
		138	2278	419	1727	1742	1888		788
		134	2284	568	1748	—	1900		791
		135	2296	729	1038	—	1881		790
		139	2292	879	1387	1723	1890		801
		140	2286	899	1514	1488	1887		804
		136	2280	930	1110	—	1884		808
		141	2280	1007	1614	1711	1910		803
		137	2298	1040	1353	—	1910		808
		138	2280	1127	1661	—	1892		808
		1A	2030	716	813	—	1887		798
		1	1825	412	832	—	1917		797
		2	—	—	882	—	1900		801

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1930phae.proj.12700

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	L.No
1112	1005	999	945	898	off curve	
1108	962	—	870	—		
1108	690	714	624	645	8.11, 8.20	
1097	938	953	855	870	off curve	
1088	933	—	857	—		
1091	957	—	877	—		
1110	903	904	814	815	8.99, 9.00	
1070	890	940	834	878	off curve	
1113	767	817	690	735	8.38, 8.57	
1081	855	—	790	—		
1102	978	980	888	890	off curve	
1118	979	—	875	—		
1115	935	—	840	—		
1096	982	—	896	—		
1099	952	950	866	865	off curve	
1099	962	—	875	—		
1107	950	—	860	—		
1127	352	—	312	—		606 ✓
1100	939	954	855	866	off curve	
1109	957	—	865	—		
1091	248	—	228	—		376 ✓
1089	586	622	540	572	7.81, 7.93	
1083	710	684	655	631	8.25, 8.12	
1081	302	—	280	—		279 ✓
1107	811	908	734	820	8.57, 9.02	
1102	545	—	495	—		264 +
1084	853	—	787	—		
1089	15	—	14	—		
1120	35	—	31	—		
1099	81	—	74	—		

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1930phae.proj.1278C

ZgP-RH 1963 - Oct 9, 1930

trip	class	Star	y	x	Dep e	Dep e	Ck	Dk	Tots
		3	—	—	929	—	1887	804	
		4	—	—	967	—	1899	883	
		5	—	—	1022	—	1907	807	
		6	—	—	1173	—	1861	810	
		7	—	—	1230	—	1932	809	
		8	—	—	1502	—	1842	809	
		9	—	—	1661	—	1872	802	505
		ZgP- RH 1963- Oct 10, 1930							
		18	2030	737	754	—	1806	750	505
		1	1825	432	790	—	1868	751	
		2	—	—	837	—	1831	751	
		3	—	—	872	—	1817	751	
		4	—	—	892	—	1826	749	
		5	—	—	978	—	1848	752	
		6	—	—	1122	—	1869	759	
		7	—	—	1207	—	1859	753	
		8	—	—	1502	—	1800	753	
		9	—	—	1662	—	1837	762	
23.0		142	2310	224	1671	1667	1870	762	
		143	2300	241	1763	1747	1863	752	
		139	2299	363	1091	—	1882	770	
		144	2300	418	1670	1651	1871	767	
		140	2310	592	1583	—	1831	757	
		145	2300	597	1532	1532	1858	752	
		146	2308	689	751	761	1857	758	
		141	2300	817	1908	—	1867	770	
		147	2302	831	1469	1524	1870	781	
		142	2311	954	1041	—	1879	782	
		143	2298	962	1678	—	1881	790	
		144	2298	1060	1343	—	1911	792	

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1930phae.proj.12780

cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	L.NO
1083	125	—	115	—		
1096	164	—	150	—		
1100	215	—	196	—		
1051	363	—	345	—		
1123	421	—	375	—		
1033	693	—	670	—		
1070	859	—	804	—		
1056	4	—	3	—		
1117	39	—	35	—		
1080	86	—	80	—		
1066	121	—	114	—		
1077	143	—	133	—		
1096	226	—	206	—		
1110	363	—	327	—		
1106	454	—	410	—		
1047	749	—	715	—		
1075	900	—	837	—		
1108	909	905	820	816	9.09, 9.03	
1111	1011	995	910	895	off curve	
1112	321	—	289	—		606 ✓
1104	903	884	819	800	9.00, 8.90	
1074	746	—	696	—		
1106	780	780	705	705	8.46, 8.46	
1099	−7	3	−6	2		
1097	538	—	492	—		338 ✓
1089	688	743	634	684	8.16, 8.35	
1097	259	—	236	—		294 ✓
1091	888	—	815	—		
1119	551	—	493	—		264 +

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1930phae.proj.12780

Zgp - RA 1963 - Oct 10, 1930.

Strip	Class	Star	y	x	Defl	Defl	Ce	Dk Volts
		145	2310	1147	1500	—	1910	799
		146	2301	1222	990	—	1897	797
		148	2311	1235	1250	1270	1870	791
23.2		147	2330	145	851	—	1841	747
		148	2320	321	1658	—	1833	760
		149	2321	381	1621	—	1836	742
		149	2329	380	1347	1318	1841	720
		150	2330	400	1273	—	1850	729
		151	2328	560	1570	—	1824	729
		152	2320	650	1630	—	1840	721
		150	2323	760	1432	1417	1831	728
		153	2330	990	1714	—	1891	729
		154	2332	1161	1667	—	1844	744
		155	2328	1198	1822	—	1842	748
23.4		151	2340	144	1678	1694	1850	768
		156	2340	176	1350	—	1872	767
		152	2340	270	1640	1627	1862	763
		157	2350	341	1681	—	1878	760
		158	2352	430	1222	—	1852	750
		159	2343	503	1523	—	1841	750
		153	2340	573	1841	1781	1862	750
		154	2348	602	1700	1820	1851	750
		155	2340	621	1611	1623	1848	741
		156	2337	631	1702	1702	1845	751
		157	2340	823	1600	1080	1830	741
		158	2342	1002	1743	1732	1827	738
		160	2340	1030	1096	—	1822	738
		159	2350	1043	1618	1621	1851	739
		161	2350	1107	1819	—	1827	740
		160	2350	1129	1662	1703	1841	736

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1930phae.proj.12700

C-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	L. No.
11 11	701	—	631	—		255 +
1100	193	—	175	—		
1079	459	479	425	444	7.39, 7.47	
1094	104	—	95	—		660 +
1073	898	—	836	—		
1091	879	—	805	—		
1121	627	598	560	534	7.89, 7.80	
1121	544	—	485	—		
1095	841	—	770	—		
1119	909	—	814	—		
1103	704	689	638	625	8.28, 8.25	
1102	985	—	895	—		
1100	926	—	844	—		
1094	1074	—	984	—		
1082	910	926	840	856	897 off curve	
1105	583	—	527	—		647 +
1099	877	864	800	786	8.86, 8.80	
1113	921	—	829	—		
1102	482	—	436	—		570 ✓
1091	773	—	707	—		
1112	1091	1031	981	928	off curve	
1101	1000	1070	908	970	off curve	
1107	870	882	786	796	8.80, 8.83	
1094	951	951	871	871	off curve	
1089	859	839	789	770	8.82, 8.74	
1094	1010	999	924	914	off curve	
1084	858	—	794	—		
1112	871	882	785	794	8.80, 8.82	
1087	1079	—	993	—		
1105	926	967	840	875	off curve	

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1930phae.proj.1278C

NP - R.A. 1963 - Oct 10, 1920.

Strip	Class	Star	y	x	Dep1	Dep2	Cl	Dk	Vol
3.6		161	2370	160	1683	1702	1832	740	
		162	2367	219	1504	1508	1840	750	
		163	2368	276	1068	1037	1841	737	
		162	2366	433	1536	—	1840	752	
		164	2370	433	1550	1560	1872	761	
		165	2371	591	1680	1670	1869	768	
		163	2358	752	1447	—	1847	762	
		164	2360	756	1582	—	1841	763	
		165	2363	838	1690	—	1850	762	
		166	2366	979	1539	—	1848	760	
		167	2367	962	1314	—	1850	761	
		166	2366	1100	1320	1322	1823	737	
		167	2367	1104	1358	1412	1832	752	
		168	2367	1189	1530	—	1850	743	
		1A	2030	731	767	—	1833	769	
		1	1825	432	798	—	1872	752	
		2	—	—	851	—	1833	756	
		3	—	—	878	—	1831	750	
		4	—	—	898	—	1838	748	
		5	—	—	961	—	1847	750	
		6	—	—	1190	—	1845	757	
		7	—	—	1249	—	1850	737	
		8	—	—	1431	—	1868	753	
		9	—	—	1606	—	1810	747	495

NP - R.A. 1963 - Oct 11, 1920

	1A	2030	764	716	—	1844	717	535
	1	1825	462	780	—	1928	722	
	2	—	—	832	—	1899	728	
	3	—	—	853	—	1893	727	
	4	—	—	903	—	1879	728	

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1930phae.proj.1278C

C-Dk	Defl. Dk	Defl-Dk	Red Defl	Red Defl	mag.	L. NO.
1092	943	962	864	882	off curve	
1090	754	758	690	695	8.44, 8.51	
1090	317	286	291	263	6.77, 6.67	
1088	784	—	720	—		
1111	789	799	710	719	8.39, 8.50	
1109	912	902	824	815	9.05, 9.00	
1085	685	—	631	—		
1078	819	—	759	—		
1088	928	—	852	—		
1088	779	—	715	—		
1089	553	—	515	—		
1064	561	563	525	527	7.79, 7.81	
1080	598	660	555	612	7.84, 8.21	
1107	787	—	705	—		
1064	−2	—	—	—		
1120	46	—	41	—		
1077	95	—	88	—		
1081	128	—	118	—		
1090	150	—	138	—		
1097	211	—	193	—		
1088	433	—	398	—		
1099	498	—	453	—		
1115	678	—	608	—		
1063	859	—	800	—		
1127	−1	—	—	—		
1206	58	—	46	—		
1171	104	—	89	—		
1166	126	—	108	—		
1151	175	—	157	—		

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1930phae.proj.1278C

2gp - R.A. 1963 - Oct 11, 1920.

Strip	Class	Star	Y	X	Diff	Diff	Cl	Mk Tel
		5		—	972	—	1892	720
		6	—	—	1130	—	1911	721
		7	—	—	1172	—	1918	722
		8	—	—	1470	—	1843	732
		9	—	—	1716	—	1871	728
23.8	p	169	2388	212	1621	—	1913	732
	p	168	2380	276	1509	1563	1912	735
	p	169	2389	323	1678	1670	1927	730
	p	170	2390	417	1291	1300	1919	728
	p	170	2393	478	1555	—	1923	730
	p	171	2386	552	1556	—	1918	733
	p	171	2382	713	1667	1657	1912	729
	p	172	2378	1224	1304	—	1903	731
24.0	p	173	2399	213	1688	—	1947	748
	p	172	2408	230	1039	1010	1911	740
	p	174	2404	294	1663	—	1937	731
	p	175	2398	380	1497	—	1909	731
	p	173	2423	386	1814	1760	1909	722
	p	174	2402	470	819	819	1908	723
	p	175	2399	739	1782	1754	1910	730
	p	176	2412	789	993	1015	1912	730
	p	177	2410	829	1632	1610	1926	732
	p	176	2400	838	1582	—	1912	732
	p	178	2397	1098	1778	1760	1904	733
	p	177	2417	1117	1130	—	1909	733
	p	178	2405	1130	1654	—	1910	730
24.2	p	179	2404	260	1589	1590	1927	731
	p	180	2420	260	1748	1789	1950	730
	p	181	2437	273	1789	1801	1926	722
	p	179	2420	580	1670	—	1932	731

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1930phae.proj.12780

O.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn. L. No.
1172	252	—	215	—	
1190	409	—	344	—	
1196	450	—	376	—	
1111	738	—	665	—	
1143	988	—	865	—	
1181	889	—	764	—	
1177	774	728	656	618	8.29, 8.08
1197	948	940	794	786	8.73, 8.69
1191	563	572	473	480	7.50, 7.56
1193	825	—	693	—	
1185	823	—	695	—	
1183	938	928	786	778	8.70, 8.66
1172	573	—	476	—	
1199	940	—	785	—	
1171	299	270	255	316	6.71, 6.98
1206	932	—	772	—	
1278	766	—	599	—	
1187	1092	1038	925	915	off curve
1185	96	96	81	81	5.10, 5.10
1180	1052	1024	892	867	off curve, 9.02
1182	263	285	223	240	6.57, 6.65
1194	901	888	755	744	8.57, 8.55
1180	850	—	720	—	
1171	1045	1027	892	873	off curve, off curve
1176	397	—	337	—	
1180	924	—	782	—	
1190	852	853	715	716	8.43, 8.43
1220	1018	1059	835	866	8.90, 9.01
1204	1067	1079	886	896	off curve
1201	939	—	780	—	

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1930phae.proj.12780

KP - RH 1963 - Oct 11, 1930

Step	Class	Star	γ	$\Delta\delta$	Dec'l	Diff	Cl	Alt	Falls
		180	2419	595	1799	—	1933	737	
		182	2438	633	1532	1518	1942	731	
		181	2428	741	1488	—	1909	738	
		183	2420	936	1701	1749	1921	737	
		184	2420	1202	1807	1882	1928	733	
24.4		185	2440	329	1810	1801	1918	742	
		186	2442	369	1802	1820	1922	741	
		182	2451	463	1742	—	1938	738	
		187	2450	523	920	930	1912	737	
		188	2439	703	1732	1743	1922	749	
		189	2440	1080	1583	1553	1927	740	
24.6		190	2460	478	1780	1838	1932	746	
		191	2460	681	1789	1791	1897	730	
		183	2466	617	1728	—	1919	738	
		192	2478	808	1231	1260	1916	741	
		193	2469	847	1014	1018	1928	740	
		184	2473	917	1487	—	1959	750	
		185	2461	1031	1732	—	1920	750	
		186	2460	1039	1709	—	1949	747	
		194	2460	1072	1839	1842	1932	743	
		187	2464	1101	1772	—	1932	742	
		10	2030	764	750	—	1844	741	
		1	1825	462	789	—	1950	750	
		2	—	—	858	—	1927	744	
		3	—	—	890	—	1960	740	
		4	—	—	908	—	1901	739	
		5	—	—	971	—	1927	748	
		6	—	—	1197	—	1921	750	
		7	—	—	1258	—	1931	740	
		8	—	—	1524	—	1848	740	
		9	—	—	1682	—	1883	737	525

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1930phae.proj.12760

Cl.-Dk.	Defl-Dk	Defl.-Dk.	Reduced	Reduced	Magn. L. No.
1196	1062	—	898	—	
1211	801	787	663	650	8.22, 7.70
1171	750	—	641	—	425
1184	964	1012	812	852	8.81, 8.97
1195	1074	1149	898	947	off curve
1176	1068	1059	908	901	off curve
1181	1061	1079	899	906	off curve
1200	1004	—	837	—	
1175	183	193	156	164	6.03, 6.11
1173	983	994	837	845	8.99, 8.93
1187	843	813	704	684	8.40, 8.30
1192	1040	1098	874	922	9.05, off curve
1167	1059	1061	906	910	off curve
1181	990	—	837	—	
1175	490	519	417	441	7.34, 7.44
1188	274	278	231	235	6.60, 6.62
1109	737	—	662	—	
1170	982	—	848	—	
1202	962	—	800	—	
1189	1096	1099	923	927	off curve
1190	1030	—	867	—	
1103	09	—	8	—	
1200	39	—	33	—	
1183	114	—	96	—	
1160	150	—	128	—	
1162	169	—	146	—	
1179	223	—	188	—	
1171	447	—	380	—	
1191	518	—	435	—	
1108	784	—	706	—	
1146	945	—	825	—	

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1930phae.proj.12780

Dyfe RH 1963 - Oct 11, 1930.

Strip	Class	Star	y	x	Dyfe	Dyfe	cl	dk	Volts
		1A	2020	722	712	—	1819	708	525
		1	1825	720	747	—	1791	704	
		2	—	—	793	—	1833	711	
		3	—	—	883	—	1829	707	
		4	—	—	860	—	1822	703	
		5	—	—	931	—	1830	708	
		6	—	—	1110,	—	1839	703	
		7	—	—	1151	—	1861	710	
		8	—	—	1780	—	1772	708	
		9	—	—	1638	—	1811	708	
24.8		195	2783	363	1752	1761	1842	711	
		196	2789	382	1690	1688	1842	713	
		188	2790	427	1415	—	1857	711	
		189	2776	647	1738	—	1849	711	
		190	2789	651	1281	—	1849	720	
		197	2790	715	1539	1542	1853	713	
		198	2779	762	1217	1241	1840	717	
25.0		199	2511	345	1738	1741	1851	718	
		200	2517	352	930	968	1858	718	
		191	2510	430	900	—	1856	717	
		201	2509	543	1728	1689	1880	721	
		202	2510	900	1784	1760	1863	721	
		203	2511	967	1730	1714	1880	727	
		204	2510	982	1620	1613	1853	720	
25.2		205	2531	406	1672	1720	1857	721	
		192	2528	008	1630	—	1849	720	
		193	2520	515	1619	—	1857	711	
		206	2520	598	1372	1369	1850	712	
		194	2519	609	1582	—	1870	711	
		207	2514	878	1620	1621	1850	712	

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1930phae.proj.12780

Cl. Dk	Defl. Dk	Diff. Dk	Reduced	Reduced Magn.	L. No.
1111	04	—	04	—	
1087	43	—	40	—	
1122	82	—	73	—	
1122	176	—	156	—	
1119	159	—	140	—	
1122	223	—	198	—	
1136	407	—	360	—	
1151	441	—	383	—	
1064	772	—	724	—	
1103	930	—	842	—	
1131	1041	1050	922	928	off curve
1129	977	975	865	863	9.14, 9.10
1146	707	—	617	—	541 ✓
1138	1027	—	903	—	~~454~~
1129	561	—	498	—	451 ✓
1140	826	829	724	725	8.40, 8.40
1123	500	524	445	467	7.43, 7.50
1133	1020	1023	900	902	off curve
1140	212	250	186	219	6.17, 6.38
1139	183	—	161	—	536 +
1159	1007	968	869	835	9.14, 8.90
1142	1063	1039	930	908	off curve
1153	1003	987	870	856	9.17, 9.04
1133	900	893	794	788	8.70, 8.68
1136	951	999	837	880	8.92, 8.90
1129	910	—	807	—	
1146	908	—	792	—	
1138	660	657	580	577	7.88, 7.87
1159	871	—	754	—	
1138	908	909	798	799	8.70, 8.73

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1930phae.proj.12780

DP - R H 1963 - Oct. 3, 1930

Strip	Class	Star	y	x	Dep1	Dep2	α	Δk	Tels
		208	2520	889	1757	1800	1873	711	
25.4		195	2500	912	1643	—	1842	712	
		209	2500	358	1661	1662	1851	710	
		210	2500	619	1547	1557	1852	711	
		196	2543	678	1620	—	1861	720	
		197	2541	739	1253	—	1879	702	
		211	2548	1000	1332	1400	1861	727	
25.6		212	2561	433	1740	1743	1879	728	
		198	2508	465	1370	—	1872	721	
		213	2562	562	1458	1454	1863	724	
		199	2563	593	1008	—	1876	720	
		200	2574	731	942	—	1822	718	
25.8		201	2589	608	1692	—	1857	712	
		202	2582	527	1089	—	1860	719	
		214	2580	553	1540	1587	1871	718	
		203	2595	638	1336	—	1870	710	
		204	2580	711	1568	—	1869	712	
		205	2581	762	1711	—	1859	720	
		215	2590	799	1047	1082	1844	728	
		206	2592	872	1650	—	1873	720	
		216	2580	1012	1690	1697	1863	730	
26.0		207	2602	472	1560	—	1870	727	
		208	2609	499	1726	—	1872	723	
		209	2598	545	1669	—	1868	720	
		210	2613	588	1590	—	1882	720	
26.2		211	2623	498	1488	—	1870	717	
		217	2620	681	1603	1586	1857	716	
		218	2630	783	1353	1407	1840	717	
		212	2626	917	1720	—	1852	727	
		219	2632	950	751	750	1843	718	

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1030phee.proj.12781

α.-dk.	Defl.-dk.	Defl.-dk.	Reduced	Reduced	Magn.	L. h.
1162	1046	1089	899	937	off curve	
1130	931	—	823	—		
1141	951	952	833	834	8.91, 8.92	
1141	836	846	733	741	7.72, 8.50	
1141	900	—	788	—		
1147	521		454			420 +
1134	605	673	533	592	7.73, 7.92	
1151	912	915	790	793	8.69, 8.71	
1151	649	—	564	—		523 +
1139	734	730	646	642	8.11, 8.10	
1156	288	—	248	—		479 +
1104	226	—	204			426 +
1145	980	—	855	—		
1141	870	—	762	—		
1153	822	869	712	753	8.37, 8.52	
1160	626	—	539	—		457 +
1157	856	—	739	—		
1139	991	—	871	—		
1116	319	354	286	316	6.74, 6.89	
1143	920	—	803	—		
1133	960	967	847	853	8.97, 9.03	
1143	823	—	727	—		
1149	1003	—	872	—		
1138	939	—	826	—		
1162	870	—	748	—		
1153	771	—	668	—		509 +
1135	887	870	780	765	8.64, 8.59	
1123	636	690	566	613	7.84, 8.00	
1125	993	—	882	—		
1125	33	32	29	28	3.86, 3.80	

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1930phae.proj.12780

ZgP - RH 1963 - Oct 13, 1930

strip	class	star	y	x	Dyfl	Dxfl	cl	clk	Vols
26.6	p	213	2666	722	1730	—	1867	737	
		220	2658	821	1753	1461	1891	740	
		221	2663	902	1368	1330	1881	741	
26.8		214	2683	820	1728	—	1878	727	
		215	2680	850	1619	—	1856	730	
		10	2030	722	743	—	1839	740	
		1	1825	720	783	—	1890	737	
		2	—	—	847	—	1853	724	
		3	—	—	861	—	1846	721	
		4	—	—	870	—	1823	717	
		5	—	—	983	—	1841	714	
		6	—	—	1150	—	1842	709	
		7	—	—	1240	—	1858	709	
		8	—	—	1440	—	1770	710	
		9	—	—	1625	—	1811	718	520

Plate finished

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1930phea.proj.12781

Cl.-Dk	Defl-Dk	Defl.-Dk	Reduced	Reduced	Magn. L. Ks.
1130	693	—	614	—	
1151	713	721	618	626	8.02, 8.04
1140	627	589	549	490	4.78, 7.59
1150	1001	—	871	—	
1126	889	—	789	—	
1099	08	—	03	—	
1153	46	—	40	—	
1129	123	—	109	—	
1125	145	—	129	—	
1106	153	—	138	—	
1127	269	—	240	—	
1123	441	—	392	—	
1149	531	—	463	—	
1060	736	—	688	—	
1093	907	—	830	—	

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1930phae.proj.12780

Fmc RH 1856 Oct. 16, 1930

Strip	Class	Star	y	x	Diff	Diff	Cl	Dk	Belts
		1S	1910	729	980	—	1712	760	
		1	2201	516	1290	—	1768	760	
		2	—	—	1290	—	1755	765	
		3	—	—	1410	—	1759	768	
		4	—	—	1489	—	1780	770	
		5	—	—	1535	—	1782	780	
		6	—	—	1670	—	1790	771	
		7	—	—	1670	—	1778	770	
		8	—	—	can not see				
14.6	f	1	1471	798	1170	1190	1780	785	
	f	2	1460	872	1665	1670	1799	779	
	fp	1	1475	990	1281	—	1789	779	
15.2	fp	2	1526	839	1529	—	1791	780	
15.4	f	3	1540	750	1615	1620	1775	780	
15.6	f	4	1568	648	1652	1652	1770	781	
		1S	1910	729	1019	—	1742	780	
		1	2201	516	1300	—	1780	770	
		2	—	—	1308	—	1762	783	
		3	—	—	1411	—	1778	780	
		4	—	—	1500	—	1802	780	
		5	—	—	1530	—	1770	780	
		6	—	—	1648	—	1810	800	
		7	—	—	1688	—	1828	800	
		8	—	—	cannot see				
		1S	1910	729	1070	—	1700	770	
		1	2201	516	1380	—	1779	778	
		2	—	—	1400	—	1740	740	
		3	—	—	1441	—	1695	691	
		4	—	—	1470	—	1690	680	
		5	—	—	1480	—	1650	658	

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10620e.ppd 12/81

α-Dk	Defl-Dk	Defl-Dk	Red. Defl	Red Defl	Mag	L.NO.
952	220	—	231	—		
1008	530	—	527	—		
990	525	—	530	—		
991	642	—	647	—		
1010	719	—	712	—		
1002	755	—	753	—		
1019	899	—	882	—		
1008	900	—	892	—		
995	385	405	386	407	3.66, 3.82	
1020	886	891	867	873	7.80, 7.84	
1010	452	—	448	—		239 X
1011	749	—	741	—		183 X
995	835	840	838	843	7.05, 7.08	
989	871	871	880	880	7.42, 7.42	
962	239	—	249	—		
1010	530	—	525	—		
979	525	—	537	—		
998	631	—	632	—		
1022	720	—	705	—		
990	740	—	748	—		
960	848	—	885	—		
1028	888	—	864	—		
930	300	—	323	—		
1001	602	—	600	—		
1000	660	—	660	—		
1004	750	—	747	—		
1010	790	—	782	—		
992	822	—	889	—		

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1930phae.proj.12780

7mc RH 1856 Oct. 20, 1930

Strip	class	star	y	x	Dyfe	Dxfe	dc	Dh	volt
		6	—	—	1547	—	1664	648	
		7	—	—	1560	—	1658	640	
		8	—	—	cannot be	seen			
16.0	f	5	1610	393	1421	1438	1610	623	
	fp	6	1618	944	1527	1525	1629	618	
16.2	f	7	1631	340	1515	1539	1610	615	
	fp	3	1620	930	1540	—	1650	612	
16.4	f	8	1641	520	1552	1554	1610	610	
16.6	f	9	1670	310	1540	1550	1608	610	
	f	10	1660	427	1355	1370	1602	608	
	fp	4	1660	600	1271	—	1580	609	
16.8	fp	5	1685	800	1320	—	1604	608	
	f	11	1683	375	1515	1500	1598	608	
	fp	6	1695	850	1370	—	1614	608	
17.0	fp	7	1710	985	1470	—	1609	602	
	fp	8	1708	1017	1440	—	1620	600	
	fp	9	1700	1070	1538	—	1610	600	
	f	12	1710	1161	1371	1390	1619	602	
17.2	fp	10	1739	477	1519	—	1580	602	
	fp	11	1731	639	1480	—	1580	610	
17.4	fp	12	1741	376	1488	—	1580	610	
	fp	13	1745	539	1430	—	1590	608	
	f	13	1759	1310	1339	1320	1620	605	
17.6	f	14	1768	450	1278	1291	1589	601	
	fp	14	1760	485	1420	—	1585	602	
17.8	f	15	1781	820	1311	1321	1609	608	
18.0	f	16	1805	1268	1460	1471	1620	608	
		15	1910	729	980	—	1535	609	
		1	2201	516	1228	—	1605	609	
		2	—	—	1210	—	1570	609	

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1930phae.proj.12780

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag	L.NO
1016	899	—	885	—		
1018	920	—	903	—		
—	—	—	—	—	—	—
987	798	815	809	827	6.25, 6.40	
1011	909	907	899	898	7.18, 7.18	
995	900	924	904	928	7.24, 7.50	
1038	928	—	893	—		240 ✓
1006	942	944	942	944	7.67, 7.70	
998	930	940	932	941	7.54, 7.67	
994	747	762	752	765	5.72, 5.85	
971	662	—	681	—		56 ✓
996	717	—	720	—		
990	907	892	915	900	7.36, 7.20	
1006	767	—	762	—		1214 x
1007	868	—	863	—		279 ✓
1020	840	—	823	—		294 ✓
1010	938	—	929	—		
1017	769	788	754	772	5.74, 5.88	
978	917	—	936	—		1251 ✓
970	870	—	897	—		62 ✓
970	878	—	906	—		1207 x
982	827	—	844	—		1279 ✓
1015	734	715	723	705	5.45, 5.30	
988	677	690	686	697	5.14, 5.23	
983	818	—	832	—		1242 ✓
1001	703	713	702	712	5.26, 5.35	
1012	852	863	841	852	6.54, 6.64	
926	371	—	401	—		
996	619	—	620	—		
961	601	—	626	—		

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1930phae.proj.12780

FMC RH 1856 @ d. 23 1930

trip	class	star	y	x	Dyll	Dyll	cl	Dk	Vech
		3	—	—	1301	—	1580	610	
		4	—	—	1375	—	1608	610	
		5	—	—	1490	—	1590	610	
		6	—	—	1491	—	1603	610	
		7	—	—	1518	—	1610	610	
		8	—	—	cannot be seen				
		15	1910	757	841	—	1558	580	
Oct. 21, 1930		1	2201	543	1169	—	1599	581	
		2	—	—	1200	—	1581	581	
		3	—	—	1302	—	1591	589	
		4	—	—	1381	—	1620	585	
		5	—	—	1405	—	1600	590	
		6	—	—	1510	—	1630	610	
		7	—	—	1540	—	1630	610	
		8	—	—	cannot be seen				
18.2	f	17	1822	480	1499	1510	1602	604	
18.4	f	18	1840	979	1480	1496	1625	601	
18.6	f	19	1860	273	1489	1505	1601	600	
	f	20	1860	980	1450	1453	1610	600	
18.8	f	21	1888	828	1485	1510	1630	615	
19.0	p	15	1911	594	1532	—	1622	600	
	p	16	1910	1021	1450	—	1618	600	
19.2	f	22	1928	562	1470	1505	1605	600	
	f	23	1930	777	1500	1510	1609	600	
	p	17	1930	1300	1380	—	1600	595	
19.4	f	24	1951	931	1490	1428	1600	600	
	f	25	1949	539	1510	1521	1600	600	
19.6	f	26	1977	560	1410	1410	1600	600	
19.8	f	27	1995	732	1515	1528	1613	601	
20.2	p	18	2037	261	1536	—	1628	630	

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1930phae.proj.12780

Cl-Dk	Defl-Dk	Defl-Dk	Red. Defl	Red. Defl	Mag.	L.No.
970	691	—	712	—		
998	765	—	766	—		
980	810	—	827	—		
993	881	—	886	—		
1000	908		908			
—	—	—	—	—	—	—
978	261	—	268	—		
1018	588	—	576	—		
1000	619	—	619	—		
1002	713	—	711	—		
1035	796	—	769	—		
1010	815	—	807	—		
1020	900	—	883	—		
1020	930	—	913	—		
—	—	—	—	—	—	—
998	895	906	897	908	7.34, 7.47	
1024	879	895	856	872	6.90, 7.05	
1001	889	905	888	904	7.25, 7.42	
1010	850	853	842	844	6.73, 6.75	
1015	870	895	858	882	6.92, 7.18	
1022	932	—	911	—		1171 ✓
1018	850	—	835	—		376 ✓
1005	870	905	865	900	6.99, 7.39	
1009	900	910	892	902	7.28, 7.40	
1005	985	—	782	—		426 ✗
1000	820	820	820	820	6.50, 6.50	
1000	910	921	910	921	7.48, 7.61	
1000	810	810	810	810	6.43, 6.43	
1012	914	927	902	915	7.40, 7.54	
998	906	—	908	—		1043 ✗

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1930phae.proj.12780

FMC RH 1856 Oct. 21, 1930

Strip	class	Star	y	y	Diff	Diff	cl	Dh	Oath
20.2	f	28	2029	1419	1412	1428	1680	651	
20.4	f	29	2050	923	1409	1412	1680	665	
	f	30	2052	1170	1510	1509	1688	681	
	f	31	2050	1399	1511	1519	1705	680	
		15	1910	757	1023	—	1638	688	
		1	2201	543	1330	—	1705	685	
		2	—	—	1321	—	1673	670	
		3	—	—	1385	—	1668	669	
		4	—	—	1464	—	1681	660	
		5	—	—	1460	—	1655	658	
		6	—	—	1550	—	1670	651	
		7	—	—	1580	—	1681	670	
		8							

can not see

continued in BK78

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1930phae.proj.12780

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. Ko.
1029	761	777	740	755	5.78, 5.90	
1015	744	747	732	736	5.72, 5.75	
1007	829	828	822	822	6.52, 6.52	
1025	831	839	810	817	6.43, 6.47	
950	335	—	354	—		
1020	645	—	538	—		
1003	651	—	641	—		
999	716	—	717	—		
1021	804	—	786	—		
997	802	—	804	—		
1019	899	—	883	—		
1011	910	—	898	—		

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1930phae.proj.12780

DLP - RA 2444 - Nov 3, 1920

Mag	Class	Star	y	x	Decl	Decl	cc	dt	Table
		14	1972	642	1057	—	1859	760	520
		1	2307	793	1368	—	1930	768	
		2	—	—	1538	—	1922	810	
		3	—	—	1610	—	1960	808	
		4	—	—	1660	—	1993	830	
		5	—	—	1648	—	1941	838	
		6	—	—	1751	—	2003	848	
		7	—	—	1790	—	2029	857	
		8	—	—	1890	—	1949	857	
		9	—	—	1970	—	2011	852	
14.0		1	1410	799	1418	1854	1796	867	
14.4		2	1440	782	1837	1861	1987	871	
		3	1457	777	1230	1232	2053	873	
		4	1449	788	1821	1809	2100	880	
		5	1440	853	1713	1702	2062	892	
14.8		6	1487	609	1813	1803	2050	881	
		7	1496	978	1817	1813	2087	881	
15.0		8	1501	722	1980	1968	2052	887	
		1	1510	926	1540	—	2052	880	
		9	1507	937	1920	1943	2048	881	
15.2		10	1529	681	1938	1917	2060	878	
		11	1523	729	1667	1718	2073	877	
		2	1520	750	1948	—	2078	874	
		3	1532	900	1813	—	2053	881	
		12	1520	1029	2037	2051	2113	878	
15.4		13	1508	578	2001	2037	2076	900	
		14	1500	627	1793	1770	2077	909	
		15	1539	820	1810	1813	2137	902	
		16	1547	879	1930	1947	2110	898	
		4	1542	1016	1947	—	2156	900	

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1930phae.proj.12780

Cl-Dk	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn	L.16
1099	297	—	271	—		
1162	600	—	517	—		
1122	738	—	658	—		
1152	802	—	697	—		
1163	830	—	713	—		
1103	810	—	733	—		
1155	903	—	782	—		
1178	939	—	796	—		
1092	1033	—	945	—		
1159	1118	—	965	—		
926	551	987	594	1006	4.87, off curve	
1210	960	984	793	813	7.00, 7.24	
1180	357	359	303	304	2.84, 2.84	
1220	941	929	771	761	6.75, 6.64	
1170	821	810	703	693	5.97, 5.84	
1169	932	922	798	790	7.08, 6.97	
1206	936	932	775	771	6.80, 6.75	
1165	1093	1081	937	928	8.87, 8.77	
1172	1660	—	1418	—		426
1167	1039	1062	890	910	8.27, 8.52	
1182	1060	1039	897	878	8.35, 8.08	
1196	790	841	660	703	5.52, 5.97	
1204	1074	—	892	—		
1172	932	—	793	—		420
1235	1159	1173	937	950	8.87, 9.08	
1176	1101	1137	936	965	8.87, 9.30	
1168	884	861	757	737	6.58, 6.37	
1235	908	911	736	738	6.37, 6.40	
1212	1032	1049	852	865	7.75, 7.94	
1256	1047	—	834	—		457

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1930phae.proj.12780

ZP-RH2444- Nov 3, 1930

Mag	Class	Star	y	x	Dyfl	Dyfl	Cl	Clk Volts
	p	5	1554	1068	2020	—	2112	910
	p	17	1539	1109	1843	1863	2148	910
	p	18	1549	1128	2050	2110	2188	910
15.6	p	6	1570	438	1957	—	2051	910
	p	7	1577	507	1882	—	2062	912
	p	19	1562	578	1917	1943	2078	910
	p	8	1570	628	1860	—	2073	909
	p	20	1570	682	1887	1939	2084	911
15.8	p	9	1590	1037	1663	—	2112	900
	p	21	1585	1093	1854	1861	2120	897
	p	10	1592	1151	1908	—	2157	897
16.0	p	22	1602	740	2008	2040	2088	890
	p	23	1611	760	1898	1890	2080	881
	p	11	1622	779	1999	—	2112	888
	p	12	1627	947	1842	—	2097	878
	p	13	1622	1000	1971	—	2082	872
	p	14	1623	1160	2023	—	2140	863
16.2	p	24	1628	611	1792	1804	2043	870
	p	15	1620	607	1692	—	2038	862
	p	16	1622	779	1970		2100	861
	p	17	1628	948	1854	—	2078	861
		18	1972	642	1152	—	2001	862
		1	2207	793	1708	—	1989	860
		2	—	—	1598	—	2082	858
		3	—	—	1642	—	2042	858
		4	—	—	1714	—	2061	858
		5	—	—	1692	—	2008	861
		6	—	—	1788	—	2070	861
		7	—	—	1799	—	2078	854
		8	—	—	1933	—	1984	857
		9	—	—	1980	—	2054	857 520

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1930phae.proj.12780

Cl-Dk.	Defl.-Dk	Defl.-Dk	Reduced	Reduced	Magn.	L. No
1202	1110	—	923	—		
1238	933	953	754	771	6.54, 6.75	
1278	1140	1200	893	940	8.30, 8.93	
1141	1047	—	918	—		
1150	970	—	843	—		264 x
1168	1007	1033	862	884	7.88, 8.14	
1164	951	—	817	—		
1173	976	1028	833	876	7.50, 8.06	
1212	763	—	630	—		479 x
1223	957	964	784	789	6.90, 6.96	
1260	1061	—	843	—		
1198	1118	1150	933	959	8.84, 9.21	
1199	1017	1009	848	841	7.72, 7.61	
1224	1111	—	907	—		
1219	964	—	792	—		451 ✓
1210	1098	—	908	—		
1277	1160	—	908	—		
1173	922	934	785	795	6.93, 7.04	
1176	830	—	707	—		294 ✓
1239	1109	—	896	—		
1217	1093	—	898	—		
1139	261	—	229	—		
1129	598	—	530	—		
1174	740	—	630	—		
1184	784	—	662	—		
1203	856	—	711	—		
1147	831	—	724	—		
209	927	—	768 834	—		
1224	945	—	771	—		
1127	1076	—	956	—		
1203	1129	—	936	—		

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1930phae.proj.12780

2P - R H 2444 - Nov. 5, 1930

Strip	Class	Star	y	x	Defl	Defl	Cl	Dk	Volts
		10	1972	700	903	—	1872	760	520
		1	2307	850	1191	—	1930	759	
		2	—	—	1361	—	1872	758	
		3	—	—	1401	—	1900	761	
		4	—	—	1427	—	1913	760	
		5	—	—	1488	—	1925	760	
		6	—	—	1601	—	1968	759	
		7	—	—	1620	—	1973	761	
		8	—	—	1790	—	1912	760	
		9	—	—	1903	—	1962	757	
16.4		25	1651	410	1748	1780	1872	732	
		26	1643	462	1320	1330	1881	730	
		18	1652	547	1514	—	1913	732	
		19	1650	650	1473	—	1930	730	
		27	1650	738	1842	1835	1911	731	
		20	1651	930	1757	—	1989	722	
16.6		28	1669	412	1510	1514	1839	718	
		29	1672	628	1797	1781	1949	721	
		30	1659	809	1886	1881	1957	720	
		31	1670	931	1783	1788	1943	721	
		32	1667	1110	1889	1899	1950	717	
		33	1654	1177	1901	1911	1979	721	
		21	1667	1199	1702	—	1989	712	
16.8		22	1681	418	1432	—	1837	719	
		23	1681	649	1703	—	1937	721	
		24	1684	858	1891	—	1953	722	
		25	1690	859	1833	—	1962	731	
		34	1691	1111	1727	1750	2001	733	
		35	1690	1200	1940	1933	2011	731	
17.0		36	1708	533	1810	1812	1878	722	

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1930phae.proj.12780

Cl.-Dk.	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn.	L. K.
1112	143	—	129	—		
1171	432	—	369	—		
1119	608	—	545	—		
1139	640	—	562	—		
1150	664	—	577	—		
1165	728	—	624	—		
1109	842	—	760	—		
1212	859	—	709	—		
1152	1030	—	892	—		
1205	1146	—	949	—		
1140	1016	1048	893	920	8.37, 8.59	
1151	590	600	512	522	5.43, 5.49	
1181	782	—	662	—		240 ✓
1200	743	—	618	—		279 ✓
1174	1105	1098	941	934	8.74, 8.68	
1267	1035	—	816	—		425 ✓
1121	792	796	705	710	6.93, 6.97	
1228	1076	1060	877	863	8.26, 8.14	
1237	1166	1161	941	937	8.74, 8.71	
1222	1062	1067	869	953 871	8.20, 8.21	
1233	1172	1182	952	959	8.83, 8.89	
1258	1180	1196	938	947	8.72, 8.78	
1277	980	—	769	—		523 ✗
1124	719	—	638	—		183 ✗
1216	982	—	808	—		274 ✓
1231	1169	—	948	—		
1231	1102	—	894	—		
1268	994	1017	783	803	7.53, 7.67	
1280	609	602	475	470	5.14, 5.09	
1156	1088	1090	940	941	8.74, 8.74	

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1930phae.proj.12780

Alp – RH 2444 – Nov. 5, 1930

Strip	Class	Star	y	x	Dyfl	Dxfl	cc	dk	Volts
		37	1700	746	1677	1688	1932	713	
		26	1701	773	1689	—	1916	711	
		38	1707	869	1732	1763	1940	719	
		39	1707	1056	1851	1873	1969	718	
17.2		40	1720	909	1838	1850	1910	711	
		41	1720	977	1660	1681	1937	712	
		27	1724	1202	1173	—	1979	701	
17.4		42	1739	341	1790	1691	1801	711	
		43	1742	403	1708	1700	1820	713	
		44	1700	487	1293	1313	1853	712	
		28	1741	830	1510	—	1940	710	
		29	1741	1199	1713	—	1969	702	
		45	1740	1348	1143	1150	2028	701	
17.6		30	1760	570	1417	—	1908	701	
		46	1760	632	1760	1800	1910	709	
		47	1767	861	1320	1318	1931	718	
		48	1770	1044	1819	1832	1912	698	
		49	1770	1281	1708	1688	1971	698	
		10	1972	700	898	—	1867	700	
		1	2307	858	1171	—	1942	698	
		2	—	—	1368	—	1881	699	
		3	—	—	1381	—	1900	693	
		4	—	—	1420	—	1908	697	
		5	—	—	1404	—	1848	700	
		6	—	—	1540	—	1910	694	
		7	—	—	1573	—	1942	700	
		8	—	—	1740	—	1853	691	
		9	—	—	1826	—	1898	692	520

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1930phae.proj.12781

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No
1219	964	975	792	801	7.60, 7.66	
1205	978	—	811	—		338 ✓
1221	1013	1044	830	855	7.88, 8.08	
1251	1138	1155	905	922	8.46, 8.61	
1199	1127	1139	940	950	8.72, 8.81	
1226	948	969	773	791	7.43, 7.60	
1278	472	—	370	—		536 ✗
1090 ?	779	980	704	896	6.92, 8.39	
1107	1037	1037	935	935	8.69, 8.69	
1141	581	601	509	527	5.40, 5.52	
1230	800	—	651	—		376 ✓
1267	1011	—	799	—		541 ✓
1327	442	449	333	338	4.08, 4.09	
1207	716	—	593	—		205 ✓
1201	1051	1091	875	907	8.24, 8.48	
1213	602	606	497	495	5.30, 5.29	
1214	1121	1134	923	933	8.61, 8.70	
1293	1010	990	782	765	7.51, 7.38	
1167	198	—	169	—		
1244	473	—	381	—		
1182	669	—	565	—		
1207	688	—	571	—		
1211	723	—	597	—		
1148	704	—	612	—		
1216	846	—	695	—		
1242	873	—	703	—		
1162	1049	—	901	—		
1206	1134	—	942	—		

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1930phae.proj.12780

FMC RH 2444 ~~Dec~~ Nov. 6, 1920

Trip	Class	Star	y	x	Degf	Degf	cc	xlk	Volts
		18	1972	638	1039	—	1900	751	
Windy! scale not very steady!! In fact, quite unsteady!!!!		1	2307	789	1420	—	1941	750	
		2	—	—	1520	—	1920	750	
		3	—	—	1580	—	1933	731	
		4	—	—	1620	—	1930	729	
		5	—	—	1632	—	1890	727	
		6	—	—	1718	—	1935	720	
		7	—	—	1720	—	1935	721	
		8	—	—	1797	—	1839	720	
		9	—	—	1800	—	1871	715	
~~7.8~~									
		RH 2444 – Nov. 8, 1920							
		10	1972	687	1120	—	2034	661	520
		1	2307	838	1497	—	2103	661	
		2	—	—	1621	—	2056	653	
		3	—	—	1730	—	2073	657	
		4	—	—	1703	—	2060	650	
		5	—	—	1712	—	2012	648	
		6	—	—	1811	—	2057	647	
		7	—	—	1807	—	2058	641	
		8	—	—	1917	—	2000	638	
		9	—	—	1998	—	1968	638	
17.8	p.	31	1788	1058	1940	—	2037	639	
	p	32	1782	1120	2027	—	2112	639	
	p	50	1789	1291	1610	1563	2130	632	
18.0	p	33	1800	448	1782	—	1970	629	
	p	51	1810	477	1717	1738	2011	629	
	p	52	1799	528	1940	1926	1980	629	
	p	53	1792	768	1953	1942	2048	629	
	p		1782	1120	2010	—	2095	622	

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1930phae.proj.12780

cl.-Pk.	Defl.-Pk.	Defl.-Pk.	Reduced	Reduced	Magn.	L. No.
1373	459	—	333	—		
1442	836	—	580	—		
1403	968	—	690	—		
1416	1073	—	757	—		
1410	1053	—	747	—		
1364	1064	—	780	—		
1410	1164	—	826	—		
1417	1166	—	823	—		
1362	1279	—	936	—		
1330	1360	—	1004	—		
1398	1301	—	932	—		
1479	1394	—	942	—		
1498	978	931	852	622	4.90, 4.61	
1341	1153	—	861	—		
1382	1088	1109	785	801	6.43, 7.12	
1351	1311	1294	968	959	9.01, 8.89	
1419	1324	1313	932	925	8.44, 8.35	

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1930phae.proj.12780

Dyf - RH 2444 - Nov. 8, 1930

Strip	Class	Star	y	x	Dyff	Dyff	cl	Dk	Volt
		54	1804	810	1912	1962	2041	622	
		55	1800	898	1899	1929	2037	620	
		34	1810	957	1941	—	2027	619	
		56	1800	1249	1172	1181	2083	610	
18.2		57	1817	750	1902	1904	1961	610	
		58	1820	570	2003	1987	2037	607	
		59	1820	974	1693	1707	2020	610	
		35	1817	992	1937	—	2028	603	
		36	1822	1057	1942	—	2017	601	
		37	1820	1127	1948	—	2078	608	
18.4		60	1842	301	1842	1880	2001	588	
		61	1842	378	1652	1651	1949	582	
		38	1840	390	1790	—	1930	587	
		62	1842	447	1811	1798	1932	587	
		39	1842	527	1848	—	1963	587	
		63	1840	875	1842	1863	1977	582	
		64	1840	920	1862	1840	1980	583	
		65	1841	980	1811	1840	2013	590	
		66	1848	1039	1812	1829	2011	590	
		40	1851	1122	1890	—	2031	591	
		67	1841	1189	1883	1870	2022	582	
		10	1972	687	1080	—	1924	578	
		1	2307	838	1441	—	2021	574	
		2	—	—	1539	—	1978	581	
		3	—	—	1622	—	1982	578	
		4	—	—	1625	—	1987	577	
		5	—	—	1612	—	1932	580	
		6	—	—	1718	—	1979	582	
		7	—	—	1718	—	1970	577	
		8	—	—	1833	—	1918	570	
		9	—	—	1928	—	1979	573	575

Cont'd in BK 78 p. 162

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1930phae.proj.12780

α-δα	Defl.-Ok	Defl.-Ok	Reduced	Reduced	Mags.	L. Ks
1419	1290	1340	908	944	8.08, 8.65	
1417	1279	1309	902	923	8.01, 8.32	
1408	1322	—	927	—		476+
1473	562	571	381	388	2.79, 2.80	
1351	1292	1294	955	956	8.82, 8.89	
1430	1396	1380	974	965	9.16, 9.10	
1410	1083	1097	768	778	6.17, 6.30	
1425	1334	—	937	—		
1416	1341	—	948	—		
1470	1340	—	912	—		
1413	1254	1292	878	913	7.69, 8.13	
1367	1070	1069	782	781	6.40, 6.39	
1443	1203	—	833	—		118
1345	1224	1211	912	901	8.13, 8.00	
1376	1261	—	916	—		
1395	1260	1281	902	918	8.01, 8.20	
1397	1279	1257	916	901	8.17, 8.00	
1423	1221	1250	857	877	7.38, 7.65	
1421	1222	1239	860	870	7.40, 7.51	
1440	1299	—	903	—		670
1440	1301	1288	904	895	8.03, 7.88	
1346	502	—	373	—		
1447	867	—	600	—		
1372	958	—	699	—		
1404	1044	—	742	—		
1410	1048	—	743	—		
1352	1032	—	764	—		
1397	1136	—	812	—		
1393	1141	—	816	—		
1343	1263	—	939	—		
1406	1358	—	962	—		

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1930phae.proj.12780

Kgp-RH 2444 – Nov. 10, 1930

Strip	Class	Star	y	x	Diff	Diff	cc	Dk	Vol.
		10	1972						520
		1	2301						
		2	—	—		—			
		3	—	—		—			
		4	—	—		—			
		5	—	—		—			
		6	—	—		—			
		7	—	—		—			
		8	—	—		—			
		9	—	—		—			

18.6

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1930phae.proj.1278C

FMC RH 24446 Dec. 1, 1930

Strip	Class	Star	y	x	Defl	Defl	Ce	Clk	Notes
		1S	1962	675	169	—	1379	−0	
		1	2302	810	421	—	1385	−0	
		2	—	—	580	—	1400	−0	
		3	—	—	664	—	1402	−0	
		4	—	—	661	—	1440	−0	
		5	—	—	892	—	1383	−0	
		6	—	—	1021	—	1460	−0	
		7	—	—	1052	—	1492	−0	
		8	—	—	1252	—	1413	−0	
		9	—	—	1905	—	1410	−0	
14.2	f	1	1430	810	1109	1130	1357	−0	
	f	2	1431	881	962	980 75	1375	−0	
14.4	f	3	1449	805	470	450	1360	−0	
	f	4	1440	815	1060	1050	1342	−0	
14.6	f	5	1480	689	1065	1060	1367	−0	
	f	6	1488	957	1268	1260	1385	−0	
	f	7	1489	1008	1060	1062	1403	−0	
15.0	f	8	1519	759	848	841	1337	−0	
	f2	1	1519	806	1147	—	1329	−0	
	f2	2	1519	980	748	—	1389	−0	
	f2	3	1500	1022	1199	—	1368	−0	
15.2	f	9	1520	710	1098	1129	1343	−0	
	f2	4	1530	804	1120	—	1329	−0	
	f2	5	1538	809	990	—	1326	−0	
	f	10	1530	850	858	861	1341	−0	
	f	11	1529	909	1047	1059	1336	−0	
	f	12	1530	1139	1070	1085	1370	−0	
15.4	f	13	1559	609	1092	1081	1328	−0	
	f	14	1540	656	897	885	1312	−0	
	f2	6	1540	954	989	—	1390	−0	

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1930phae.proj.12780

Cl-Dk	Defl-Ok	Defl-Ok	Red Defl	Red Defl	Mag	L. No
1379	169	—	123	—		
1385	421	—	304	—		
1400	580	—	415	—		
1402	664	—	474	—		
1440	661	—	459	—		
1383	892	—	645	—		
1460	1021	—	700	—		
1492	1052	—	705	—		
1413	1252	—	885	—		
1410	1305	—	925	—		
1357	1109	1130	816	834	8.00, 8.10	
1375	962	975	700	710	7.38, 7.43	
1360	470	450	346	331	5.00, 4.91	
1342	1060	1050	790	783	7.84, 7.87	
1367	1065	1060	780	775	7.80, 7.77	
1385	1268	1260	915	910	off curve	
1403	1060	1062	755	756	7.67, 7.68	
1337	848	841	635	630	6.99, 6.94	
1329	1147	—	864	—		
1389	748	—	540	—		426*
1368	1199	—	875	—		
1343	1098	1129	816	840	7.98, 8.11	
1329	1120	—	845	—		
1325	990	—	748	—		
1341	858	861	640	643	7.01, 7.02	
1336	1047	1059	784	793	7.82, 7.89	
1370	1070	1085	780	793	7.81, 7.89	
1328	1092	1081	824	815	8.03, 8.00	
1312	897	885	684	675	7.19, 7.22	
1330	989	—	744	—		420*

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1930phae.proj.1278C

FMC RH 24446 Dec. 1, 1930

Strip	Class	Star	y	x	Defl	Defl	Cl	Dk	Notes
15.4	fp.	7	1553	1070	1135	—	1289	−0	
15.6	fp	8	1560	560	988	—	1263	−0	
	fp	9	1560	680	992	—	1302	−0	
	f	15	1561	711	1043	1049	1318	−0	
	f	16	1578	1122	1042	1048	1380	−0	
15.8	f	17	1595	770	1178	1190	1290	−0	
	f	18	1590	955	792	790	1341	−0	
16.0	fp	10	1610	656	681	—	1288	−0	
	f	19	1604	790	997	981	1295	−0	
	f	20	1601	851	1120	1122	1320	−0	
	fp	11	1605	1089	790	—	1371	−0	
	fp	12	1610	1202	1218	—	1383	−0	
16.2	fp	13	1639	540	695	—	1255	−0	
	f	21	1620	541	880	870	1261	−0	
	fp	14	1621	829	1119	—	1323	−0	
	fp	15	1632	998	1046	—	1349	−0	
16.4	f	22	1640	438	531	560	1251	−0	
	fp	16	1640	641	629	—	1259	−0	
	fp	17	1658	921	1081	—	1310	−0	
		18	1962	675	040	—	1287	−0	
		1	2302	810	930	—	1313	−0	
		2	—	—	450	—	1310	−0	
		3	—	—	601	—	1300	−0	
		4	—	—	640	—	1332	−0	
		5	—	—	782	—	1302	−0	
		6	—	—	923	—	1350	−0	
		7	—	—	930	—	1382	−0	
		8	—	—	1139	—	1312	−0	
		9	—	—	1200	—	1321	−0	

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1930phae.proj.12780

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	L. No
1289	1135	—	880	—		457
1263	988	—	782	—		264
1303	992	—	762	—		
1318	1034	1049	785	795	7.82, 7.89	
1380	1042	1048	755	758	7.67, 7.68	
1290	1178	1190	914	923	Obscure	
1341	792	790	591	590	6.71, 6.70	
1288	681	—	530	—		294
1295	997	981	770	758	7.73, 7.69	
1320	1120	1122	850	851	8.18, 8.20	
1371	790	—	576	—		479
1383	1218	—	880	—		509
1255	695	—	556	—		240
1261	880	870	698	690	7.36, 7.30	
1323	1119	—	845	—		
1349	1046	—	776	—		451
1251	531	560	425	447	5.64, 5.73	
1259	629	—	500	—		279
1310	1081	—	825	—		425
1287	40	—	31	—		
1313	330	—	252	—		
1310	458	—	344	—		
1300	601	—	464	—		
1332	640	—	480	—		
1302	782	—	600	—		
1350	923	—	684	—		
1382	930	—	674	—		
1312	1139	—	866	—		
1321	1200	—	906	—		

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1930phae.proj.12780

2 Gr - R H 2444 b - Dec. 1, 1930

Trip	Class	Star	y	x	Defl	Defl	cc	dk	Volts
		12	1962	675	228	—	1400	081	520
		1	2302	810	522	—	1428	083	
		2	—	—	597	—	1446	097	
		3	—	—	711	—	1442	089	
		4	—	—	762	—	1482	093	
		5	—	—	937	—	1452	103	
		6	—	—	1070	—	1508	102	
		7	—	—	1089	—	1527	083	
		8	—	—	Can't	—	all	—	
		9	—	—		—			
16.6	p	23	1662	387	963	991	1422	093	
	p	18	1660	409	783	—	1410	112	
16.8	p	24	1692	729	1102	1103	1492	122	
	p	25	1680	1173	1030	1052	1589	118	
17.2	p	26	1729	1321	1050	1050	1547	100	
17.4	p	27	1743	460	651	697	1470	089	
	p	19	1743	558	778	—	1432	077	
	p	20	1741	1191	921	—	1552	067	
17.6	p	28	1709	833	653	623	1467	060	
18.4	p	29	1846	867	808	804	1457	048	
	p	30	1840	423	1038	1083	1463	037	
18.6	p	31	1861	812	914	938	1480	033	
18.8	p	21	1880	586	1102	—	1443	032	
19.0	p	32	1903	651	882	902	1441	027	
	p	33	1910	762	947	1022	1470	027	
	p	34	1910	1037	1038	1152	1530	022	
19.2	p	35	1931	919	717	711	1458	027	
	p	36	1924	622	950	971	1437	029	
	p	37	1920	1047	1222	1220	1509	029	
19.4	p	22	1938	397	680	—	1449	027	

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1930phae.proj.12780

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	L. No.
1319	147	—	111	—		
1345	439	—	326	—		
1349	500	—	372	—		
1353	622	—	460	—		
1389	669	—	482	—		
1349	834	—	618	—		
1406	968	—	688	—		
1444	1006	—	698	—		
1329	870	898	655	676	6.97, 7.06	
1298	671	—	517	—		183+
1370	980	981	715	716	7.35, 7.36	
1471	912	934	620	634	6.71, 6.80	
1447	950	950	656	656	6.96, 6.96	
1381	562	608	406	440	5.27, 5.50	
1355	701	—	517	—		205✓
1485	854	—	574	—		536+
1407	593	563	423	400	5.41, 5.22	
1409	760	756	540	536	6.17, 6.13	
1426	1001	1046	704	735	7.28, 7.49	
1447	881	905	610	625	6.66, 6.74	
1411	1070	—	758	—		
1414	855	875	605	620	6.61, 6.70	
1443	920	995	638	690	6.82, 6.83	
1508	1016	1130	675	750	7.06, 7.61	
1431	690	684	483	477	5.80, 5.75	
1408	921	942	655	670	6.96, 7.02	
1480	1193	1191	805	805	8.01, 8.01	
1422	553	—	388	—		56✓

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1930phae.proj.1278C

2 Gp - R.A. 2444 - Aug. 1, 1930

Strip	Class	Star	m	ob	Dep1	Dep2	Cc	Dk Pole
		23	1942	478	949	—	1450	030
		24	1953	914	1232	—	1473	027
19.6		38	1970	719	1009	1004	1473	026
		25	1970	1007	1236	—	1542	027
		26	1960	1137	1040	—	1553	032
		39	1958	1151	1208	1199	1551	028
19.8		40	1974	799	1102	1101	1487	032
		27	1990	943	823	—	1550	027
		28	1987	1059	947	—	1567	033
20.0		29	2001	1006	1160	—	1543	030
		41	1999	1406	1108	1120	1603	021
20.2		42	2030	310	640	707	1451	022
		30	2037	435	891	—	1452	026
		43	2027	1157	971	970	1539	027
		44	2020	1369	1330	1312	1598	023
		45	2120	1384	1210	1192	1607	018
20.4		46	2043	337	829	813	1442	011
		47	2051	367	1101	1079	1421	022
		48	2040	097	1043	1033	1457	013
		1A	1962	670	172	—	1432	010
		1	2302	810	440	—	1461	003
		2	—	—	569	—	1453	008
		3	—	—	732	—	1457	007
		4	—	—	722	—	1482	009
		5	—	—	911	—	1452	013
		6	—	—	1060	—	1510	003
		7	—	—	1092	—	1512	008
		8	—	—	Con	F	—	ols
		9	—	—				

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1930phae.proj.12780

α - Dk	Defl Dk	Defl Dk	Red Defl	Red Defl	mag.	L. No
1420	919	—	647	—		62 ✓
1446	1205	—	833	—		
1450	986	981	680	677	7.10, 7.09	
1515	1206	—	796	—		601 ✓
1521	1008	—	662	—		606 ✓
1523	1180	1171	775	770	7.80, 7.77	
1455	1070	1069	735	735	7.51, 7.51	
1523	806	—	530	—		627 ✓
1534	914	—	595	—		625 ✓
1513	1070	—	706	—		~~1279~~
1582	1087	1099	685	694	7.12, 7.22	
1429	618	685	434	480	5.46, 5.78	
1429	868	—	608	—		1279 ✓
1532	944	943	615	615	6.69, 6.69	
1575	1307	1289	830	818	8.21, 8.10	
1589	1192	1174	750	740	7.55, 7.53	
1431	818	802	572	560	6.39, 6.32	
1399	1079	1057	771	755	7.79, 7.65	
1444	1030	1040	715	720	7.36, 7.40	
1422	162	—	114	—		
1458	437	—	300	—		
1445	561	—	388	—		
1450	725	—	500	—		
1473	713	—	484	—		
1439	898	—	625	—		
1507	1057	—	701	—		
1504	1084	—	720	—		

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1930phae.proj.12780

FMC R H 24446 Dec. 2, 1930

Strip	Class	Star	y	x	Diff	Diff	α	Δk	Notes
		15	1962	712	549		1769	449	
		1	2302	849	737		1800	432	
		2	—	—	890	—	1809	432	
		3	—	—	1040	—	1802	431	
		4	—	—	1061	—	1832	430	
		5	—	—	1238	—	1815	425	
		6	—	—	1392	—	1840	421	
		7	—	—	1375	—	1870	420	
		8	—	—	1610	—	1808	420	
		9	—	—	1664	—	1790	418	
20.6		31	2078	328	1585	—	1812	409	
		49	2067	351	1191	1212	1770	408	
		50	2078	548	1457	1450	1820	406	
		51	2062	1030	880	909	1845	397	
		52	2060	1062	1286	1240	1859	394	
		53	2070	1350	1185	1200	1908	392	
		32	2060	1372	1043	—	1880	390	
20.8		33	2098	340	1561	—	1800	390	
		34	2092	420	1507	—	1770	387	
		35	2091	432	1158	—	1772	381	
		36	2089	457	1050	—	1788	380	
		37	2080	469	1262	—	1770	375	
		54	2080	528	1103	1107	1772	375	
		55	2095	735	1148	1141	1787	371	
		38	2081	799	1398	—	1800	370	
		56	2099	817	904	940	1788	370	
		57	2088	1016	1460	1478	1841	369	
		58	2098	1087	1098	1090	1849	369	
21.0		59	2100	602	967	952	1770	360	
		60	2112	610	1120	1110	1771	360	

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1930phae.proj.12780

α–Dk	Defl Dk	Defl Dk	Red Defl	Red Defl	Mag.	L. No
1320	100	—	76	—		
1368	305	—	223	—		
1377	458	—	333	—		
1371	609	—	443	—		
1402	631	—	450	—		
1390	813	—	585	—		
1419	911	—	643	—		
1450	955	—	658	—		
1388	1190	—	857	—		
1372	1246	—	908	—		
1403	1176	—	837	—		
1362	783	804	574	590	6.76, 6.81	
1414	1051	1044	743	738	7.66, 7.61	
1448	483	512	334	355	5.31, 5.43	
1465	892	846	609	578	6.92, 6.76	
1516	793	808	523	583	6.49, 6.52	
1490	653	—	437	—		6.60+
1410	1171	—	832	—		
1383	1120	—	810	—		1204+
1391	777	—	557	—		
1408	670	—	476	—		↑ 1251✓
1395	887	—	636	—		1242✓
1397	728	732	522	524	6.48, 6.50	
1416	777	770	549	544	6.59, 6.57	
1430	1028	—	720	—		
1418	534	570	377	402	5.60, 5.76	
1472	1091	1109	739	750	7.62, 7.69	
1480	729	721	493	487	6.29, 6.28	
1410	607	592	432	420	5.93, 5.87	
1411	760	750	538	531	6.53, 6.51	

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1930phae.proj.12780

172 FMC RH 24446 Dec. 2, 1930

Mag.	class	Star	y	y	Dyfe	Dyfe	ce	Dk	Volt
21.0	fp	39	2102	630	1268	—	1745	360	
	f	61	2110	1090	1230	1241	1830	357	
	f	62	2113	1119	1362	1388	1819	360	
	fp	40	2100	1242	1530	—	1840	353	
21.2	f	63	2122	347	1098	1110	1760	350	
	f	64	2120	420	1212	1244	1755	352	
	f	65	2120	422	1028	1028	1762	351	
	f	66	2120	543	1202	1210	1752	350	
	f	67	2132	986	1393	1380	1798	351	
	fp	41	2124	1319	1660	—	1860	357	
21.4	f	68	2140	510	1061	1062	1740	351	
	fp	42	2152	842	1527	—	1790	351	
	fp	43	2140	986	1518	—	1790	350	
	f	69	2140	1048	1479	1469	1810	350	
	fp	44	2139	1138	1417	—	1843	350	
	f	70	2149	1355	1461	1469	1872	351	
	fp	45	2151	1369	1662	—	1849	350	
		15	1962	712	475	—	1720	350	
		1	2302	849	590	—	1753	350	
		2	—	—	792	—	1740	350	
		3	—	—	930	—	1740	350	
		4	—	—	922	—	1763	350	
		5	—	—	1145	—	1728	348	
		6	—	—	1302	—	1787	350	
		7	—	—	1321	—	1805	350	
		8	—	—	1560	—	1743	351	
		9	—	—	1620	—	1720	350	

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1930phae.proj.12780

α-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	L. No.
1385	908	—	656	—		1171 ✓
1473	873	884	592	597	6.81, 6.84	6
1459	1002	1028	697	705	7.40, 7.44	
1487	1177	—	725	—		679 ✓
1410	748	760	531	538	6.51, 6.54	
1403	860	892	613	635	6.97, 7.07	
1411	677	677	480	480	6.22, 6.22	
1402	852	860	607	614	6.92, 6.98	
1447	1042	1029	720	710	7.52, 7.49	
1503	1303	—	867	—		
1389	710	711	512	513	6.41, 6.42	
1439	1176	—	818	—		
1440	1168	—	810	—		705 *
1460	1129	1119	777	766	7.82, 7.77	
1493	1067	—	714	—		713 ✓
1521	1110	1118	730	735	7.59, 7.62	
1499	1312	—	875	—		689 *
1370	125	—	91	—		
1403	240	—	172	—		
1390	442	—	317	—		
1390	580	—	417	—		
1413	572	—	405	—		
1380	797	—	577	—		
1437	952	—	662	—		
1455	971	—	667	—		
1392	1209	—	868	—		
1370	1270	—	927	—		

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1930phae.proj.1278C

3H P - R.A. 2444 - Dec. 2, 1930.

Temp	Class	Star	y	x	Defl	Defl	cc	dk	Volts
		1A	1962	712	628	—	1791	502	0.1 V
		1	2302	849	807	—	1863	517	
		2	—	—	970	—	1904	530	
		3	—	—	1100	—	1911	552	
		4	—	—	1171	—	1952	592	
		5	—	—	1342	—	1979	600	
		6	—	—	1542	—	1963	613	
		7	—	—	1574	—	1983	607	
		8	—	—	1792	—	1991	668	
		9	—	—	Cant	—	rel		
21.6		71	2160	371	1810	1839	2011	592	
		46	2171	987	1360	—	1993	566	
		72	2170	574	1687	1688	2000	569	
		73	2161	800	1763	1762	2008	541	
		74	2161	980	1670	1718	1999	531	
		47	2170	989	1787	—	2003	530	
		75	2160	1046	1550	1560	2022	579	
		48	2170	1062	928	—	2008	570	
21.8		76	2179	447	1683	1672	1978	492	
		49	2190	483	1463	—	1950	493	
		50	2191	579	1704	—	1937	473	
		77	2180	764	1762	1710	1943	508	
		78	2179	1030	1453	1464	1942	460	
		79	2180	1181	1328	1352	1982	461	
		80	2190	1188	1530	1901	1977	437	
22.0		51	2200	338	1607	—	1809	442	
		52	2216	608	1329	—	1871	433	
		53	2197	1090	1637	—	1930	430	
		81	2210	1157	1700	1700	1943	432	
		54	2216	1404	1600	—	1987	417	

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1930phae.proj.12780

ce-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	mag.	L. No
1289	126	—	98	—		
1346	290	—	216	—		
1374	440	—	320	—		
1359	548	—	403	—		
1360	579	—	427	—		
1379	742	—	538	—		
1350	929	—	688	—		
1376	967	—	703	—		
1383	1184	—	857	—		
—	—	—	—	—	—	—
1419	1218	1247	860	880	8.30, 8.40	
1430	797	—	558	—		1208 +
1441	1128	1129	782	783	7.83, 7.87	
1467	1222	1221	832	831	8.12, 8.11	
1468	1139	1187	776	809	7.82, 8.00	
1473	1257	—	854	—		
1503	1031	1041	686	693	7.34, 7.39	
1498	418	—	379	—		1166 ✓
1486	1191	1180	802	794	8.00, 7.92	
1457	970	—	665	—		
1464	1231	—	839	—		
1485	1304	1252	878	844	8.38, 8.20	
1482	993	1004	671	677	7.25, 7.29	
1521	867	891	569	586	6.60, 6.71	
1540	1393	1464	905	952	off curve	
1367	1165	—	858	—		1201 +
1438	890	—	620	—		1109 ✓
1500	1207	—	805	—		748 ✓
1511	1268	1268	838	838	8.17, 8.17	
1570	1183	—	755	—		699 +

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1930phae.proj.1278

Obs-RH 2444 b Dec 2, 1920

Trip	Clock star		Y	X	Dyf	Dyfl	Cc	Dk	Tacts
22.2		55	2232	387	1492	—	1841	400	
		82	2229	412	1150	1147	1862	482	
		83	2230	426	1429	1488	1838	401	
		56	2229	487	1286	—	1839	398	
		84	2222	560	1638	1652	1830	399	
		85	2230	811	1452	1447	1838	391	
		57	2230	842	1622	—	1858	382	
		86	2232	945	1633	1648	1898	392	
22.4		87	2255	882	1603	1639	1790	388	
		88	2243	427	1683	1662	1812	386	
		89	2254	437	1699	1700	1757	388	
		90	2240	711	1643	1652	1850	383	
		58	2200	765	1639	—	1840	378	
		59	2242	1108	1639	—	1879	376	
		91	2248	1367	1728	1748	1930	382	
22.6		60	2270	1131	1710	—	1883	380	
22.8		92	2290	800	1688	1682	1858	377	
		93	2288	883	1730	1728	1823	376	
		94	2280	892	1053	1022	1852	368	
		10	1962	712	0783	—	1757	366	
		1	2302	849	689	—	1813	363	
		2	—	—	878	—	1807	364	
		3	—	—	1007	—	1801	371	
		4	—	—	988	—	1837	363	
		5	—	—	1211	—	1773	361	
		6	—	—	1372	—	1832	361	
		7	—	—	1403	—	1912	363	
		8	—	—	1604	—	1787	363	J7 J+
		9	—	—	Can't	Rej			

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1030phae_proj_12780

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	L.N O
1441	1092	—	760	—		1176+
1460	748	745	512	511	6.32, 6.31	
1437	1028	1087	716	755	7.50, 7.51	
1441	988	—	686	—		
1431	1239	1253	865	874	8.32, 8.35	
1447	1062	1056	734	729	7.62, 7.58	
1476	1240	—	840	—		
1506	1241	1256	825	833	8.10, 8.13	
1402	1315	1251	938	893	off curve, 8.47	
1426	1297	1276	909	895	off curve	
1369	1311	1312	958	958	off curve	
1467	1260	1269	857	863	8.28, 8.31	
1462	1261	—	813	—		
1503	1263	—	842	—		
1548	1346	1366	868	882	8.34, 8.42	
1503	1330	—	885	—		
1476	1311	1305	890	884	8.45, 8.43	
1447	1354	1362	936	940	off curve	
1484	1135	1154	765	748	7.77, 7.83	
1391	217	—	156	—		
1450	326	—	225	—		
1443	506	—	351	—		
1430	636	—	445	—		
1474	625	—	423	—		
1412	850	—	602	—		
1471	1011	—	687	—		
1549	1040	—	673	—		
1424	1241	—	871	—		
—	—	—	—	—		

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1930phae.proj.12780

178 a. J. J. Bohn RH 2444b Dec 3, 1930

Strip	Class	Star	y	x	Defl.	Defl	Cl	Dk
		15	1962	709	721	—	1835	520
		1	2302	843	940	—	1890	480
		2	—	—	1042	—	1886	470
		3	—	—	1121	—	1840	453
		4	—	—	1101	—	1880	450
		5	—	—	1315	—	1800	445
		6	—	—	1433	—	1902	438
		7	—	—	1533	—	1921	440
		8	—	—	1660	—	1852	431
		9	—	too faint to measure				
22.8	f	95	2300	652	1401	1418	1905	475
	f	96	2289	844	1748	1785	1995	515
	f	97	2280	888	1642	1689	1962	500
	p	61	2292	1275	1792	—	not a star	
23.0	f	98	2300	663	1443	1439	1933	498
	f	99	2303	688	1622	1655	1956	475
	f	100	2303	697	1668	1670	1929	485
	f	101	2309	719	1611	1697	1935	482
	f	102	2302	912	1512	1542	1985	493
	f	103	2313	1008	1273	1265	1980	478
		15	1962	708	609	—	1835	533
		1	2302	843	902	—	1915	469
		2	—	—	1052	—	1902	465
		3	—	—	1190	—	1899	480
		4	—	—	1152	—	1928	485
		5	—	—	1370	—	1850	473
		6	—	—	1520	—	1942	500
		7	—	—	1560	—	1990	490
		8	—	—	1750	—	1900	500
		9	too faint to measure					

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1930phae.proj.12780

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	mag.	L.No.
1315	201	—	163	—		
1410	460	—	327	—		
1416	572	—	404	—		
1387	668	—	483	—		
1430	651	—	451	—		
1355	870	—	642	—		
1464	995	—	678	—		
1481	1093	—	738	—		
1421	1229	—	864	—		
—	—	—	—	—		
1430	926	943	647	660	6.87, 6.93	
1480	1233	1270	882	858	8.00, 8.11	
1462	1142	1189	780	813	7.64, 7.87	
—						
1455	965	961	663	660	6.98, 6.97	
1481	1147	1180	774	796	7.62, 7.73	
1444	1183	1185	818	820	7.88, 7.90	
1453	1129	1215	777	837	7.61, 8.00	
1492	1019	1049	684	703	7.10, 7.20	
1502	795	787	523	523	6.12, 6.12	
1302	76	—	58	—		
1446	433	—	299	—		
1437	587	—	408	—		
1419	710	—	500	—		
1443	667	—	465	—		
1377	897	—	651	—		
1442	1020	—	708	—		
1500	1070	—	713	—		
1400	1250	—	893	—		

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1930phae.proj.12780

Fmc R H 24446 Dec. 3, 1930

Trips	class	Star	y	y	Defs	Defs	cl	Dk	Var
		18	1962	831	557	—	1753	413	
		1	2302	967	751	—	1778	410	
		2	—	—	903	—	1770	408	
		3	—	—	1058	—	1763	402	
		4	—	—	1040	—	1778	400	
		5	—	—	1239	—	1755	400	
		6	—	—	1370	—	1789	397	
		7	—	—	1369	—	1819	397	
		8	—	—	1562	—	1758	390	
		9	—	— cannot see					
23.2	f	104	2330	580	1460	1479	1768	388	
	p	62	2321	1182	1300	—	1802	385	
	f	105	2339	1209	1440	1448	1792	380	
	p	63	2339	1229	1492	—	1802	380	
23.4	f	106	2351	1110	890	869	1760	378	
23.8	f	107	2386	600	895	890	1730	372	
	p	64	2390	970	1397	—	1768	370	
	f	108	2390	1142	1521	1511	1740	370	
24.0	p	65	2410	620	1552	—	1738	370	
	p	66	2403	700	1398	—	1742	370	
	f	109	2411	1376	1539	1553	1810	370	
		18	1962	831	481	—	1710	370	
		1	2302	967	740	—	1705	365	
		2	—	—	885	—	1729	365	
		3	—	—	1027	—	1718	360	
		4	—	—	1040	—	1750	360	
		5	—	—	1226	—	1710	360	
		6	—	—	1360	—	1758	360	
		7	—	—	1370	—	1772	360	
		8	—	—	1548	—	1740	360	
		9	—	—	Cannot see				

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1930phee.proj.12780

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	L. No.
1340	144	—	107	—		
1368	341	—	248	—		
1362	495	—	364	—		
1361	656	—	484	—		
1378	640	—	465	—		
1355	839	—	618	—		
1392	973	—	698	—		
1422	972	—	684	—		
1368	1172	—	857	—		
1380	1072	1091	777	791	7.72, 7.82	
1417	915	—	647	—		805 ✓
1412	1060	1068	752	757	7.56, 7.60	
1422	1112	—	783	—		790 ✓
1382	512	491	371	356	5.10, 4.99	
1358	523	518	385	381	5.19, 5.17	
1398	1027	—	735	—		907 ✓
1370	1151	1141	841	760	8.15, 7.61	
1368	1182	—	864	—		
1372	1028	—	749	—		1044 +
1440	1169	1183	810	822	7.96, 8.02	
1340	111	—	83	—		
1340	375	—	280	—		
1364	520	—	382	—		
1358	667	—	493	—		
1390	680	—	489	—		
1350	866	—	657	—		
1398	1000	—	715	—		
1412	1010	—	715	—		
1380	1188	—	812	—		

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1930phae.proj.12780

A. J. J. Bohn RH 2444b Dec. 4, 1930

Strip	class	star	y	x	Diff	Diff	α	Dec	Volt.
		IS	1962	708	596	—	1853	460	5.18
		1	2302	840	858	—	1797	448	
		2	—	—	1110	—	1902	442	
		3	—	—	1172	—	1890	433	
		4	—	—	1185	—	1905	428	
		5	—	—	1339	—	1873	426	
		6	—	—	1472	—	1938	426	
		7	—	—	1505	—	1963	407	
		8	—	—	1687	—	1950	413	
		9	—	too faint to be measured					
24.2	f	116	2418	836	1339	1339	1881	405	
	fp	67	2422	983	1698	—	1905	390	
	f	111	2412	1250	1653	1719	1920	372	
24.4	f	112	2445	530	1355	1360	1844	370	
	p	68	2448	548	1475	—	1833	360	
	p	69	2450	576	1376	—	1809	358	
	p	70	2440	600	1590	—	1854	359	
	p	71	2456	622	1658	—	1851	365	
	f	113	2449	638	1715	1742	1813	358	
	p	72	2440	958	1623	—	1892	360	
	f	114	2442	1130	1492	1508	1928	365	
	fp	73	2452	1140	1581	—	1897	363	
24.6	p	74	2456	623	1677	—	1843	366	
	f	115	2460	630	1349	1340	1829	375	
	f	116	2472	1010	1653	1665	1958	398	
24.8	f	117	2493	702	1632	1655	1912	430	
	fp	118	2496	750	1643	1638	1893	418	
	fp	75	2490	812	1622	—	1903	412	
	p	76	2480	850	1720	—	1913	403	
	p	77	2493	1072	1539	—	1967	407	

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1930phae.proj.12700

Ce-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	L. NO
1393	136	—	98	—		
1349	410	—	304	—		
1460	668	—	457	—		
1457	739	—	507	—		
1477	757	—	513	—		
1447	913	—	632	—		
1512	1046	—	692	—		
1556	1098	—	707	—		
1537	1274	—	830	—		
1476	934	934	632	632	6.55, 6.55	
1515	1308	—	863	—		
1548	1281	1347	829	871	8.00, 8.40	
1474	985	990	668	672	6.82, 6.85	
1473	1115	—	757	—		1043 +
1451	1018	—	768	—		1030 +
1495	1231	—	823	—		
1486	1293	—	871	—		~~880~~
1455	1357	1384	933	951	off curve	
1532	1263	—	823	—		886 +
1563	1127	1143	720	731	7.22, 7.30	
1534	1218	—	794	—		809 +
1477	1311	—	884	—		
1454	974	965	669	663	6.82, 6.80	
1560	1255	1267	806	813	7.83, 7.91	
1482	1202	1225	811	827	7.90, 8.00	
1475	1225	1220	829	827	8.01, 8.00	
1491	1210	—	811	—		926 +
1510	1317	—	875	—		
1567	1139	—	725	—		844 +

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1930phae.proj.1278C

184 A. J. J. Bohn RH 24446 Dec 4/1930

S trip	Class	Stes	y	x	Decl	Decl	Cl	Dia
25.0	f	119	2503	938	1463	1472	1896	388
		15	1962	706	539	—	1815	365
		1	2302	840	868	—	1849	358
		2	—	—	1010	—	1835	357
		3	—	—	1141	—	1835	359
		4	—	—	1236	—	1880	356
		5	—	—	1288	—	1835	356
		6	—	—	1465	—	1889	351
		7	—	—	1500	—	1920	350
		8	—	—	1682	—	1842	348
		9	too faint to be measured					

Plate finished

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1930phae.proj.1278C

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	L.N.O.
1508	1075	1084	713	719	7.15, 7.20	
1450	174	—	120	—		
1491	510	—	342	—		
1478	653	—	444	—		
1476	782	—	531	—		
1524	880	—	577	—		
1479	932	—	632	—		
1538	1114	—	724	—		
1570	1150	—	733	—		
1494	1334	—	892	—		

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1930phae.proj.12780

186 A.J.J.B. RH 1854 Dec. 9, 1930 Vol 5.02

Strip	Class	Star	y	x	Dep1	Dep2	Cl	Dk
		15	1920	833	585	—	2335	542
		1	2050	497	753	—	2355	527
		2	—	—	1093	—	2292	509
		3	—	—	1117	—	2308	490
		4	—	—	1140	—	2358	477
		5	—	—	1447	—	2295	458
		6	—	—	1777	—	2305	450
		7	—	—	1838	—	2325	446
		8	—	—	Too faint to be measured			
14.2	—	—						
14.4	—	—						
14.6	f.	1	1470	803	1175	1205	2180	423
14.8	f.	2	1491	770	1003	1037	2212	414
	f.	3	1474	1027	1516	1543	2197	409
15.0	p.	1	1500	593	1373		2168	405
15.2	f.	4	1518	801	1243	1252	2186	413
15.4	f.	5	1538	818	1488	1465	2219	433
15.6	—							
15.8	—							
16.0	—							
16.2	—							
16.4	f.	6	1641	503	1311	1355	2223	436
	p.	2	1640	860	1023	—	2222	436
16.6	p	3	1660	710	1637	—	2243	432
	f.	7	1669	907	1503	1529	2220	427
	p.	4	1658	1136	1467	—	2223	423
16.8	p	5	1678	762	1580	—	2246	433
	p	6	1680	1339	1589	—	2213	441
17.0	p.	7	1698	1293	1133	—	2220	450

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1930phae.proj.12783

Cl-Dk	Defl Dk	Defl-Dk	Red Defl	Red Defl	Mag	L. No
1793	43	—	24	—		
1828	226	—	123			
1783	584	—	327	—		
1818	627	—	343	—		
1881	663	—	352	—		
1837	991	—	539	—		
1855	1327	—	715	—		
1879	1392	—	741	—		
1757	752	782	428	445	6.00, 6.09	
1798	589	623	328	346	5.50, 5.61	
1788	1107	1134	619	635	6.74, 6.82	
1763	968	—	548	—		1214+
1773	830	839	468	473	6.18, 6.20	
1786	1055	1032	591	578	6.64, 6.59	
1787	875	919	490	515	6.27, 6.36	
1786	587	—	329	—		56
1811	1205	—	665	—		1242
1793	1076	1102	600	615	6.68, 6.72	
1800	1044	—	580	—		183+
1813	1147	—	633	—		1279
1772	1148	—	647	—		242+
1770	683	—	386	—		239+

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1930phae.proj.12780

O. J. J. Bohn R. H. 1854 Dec 9, 1930

Strip	Class	Star	y	x	Dec	Dec	Cl	Dk
		15	1920	832	587	—	2337	540
		1	2050	498	749	—	2352	527
		2	—	—	1053	—	2262	460
		3	—	—	1133	—	2308	482
		4	—	—	1198	—	2985	519
		5	—	—	1450	—	2323	514
		6	—	—	1822	—	2372	499
		7	—	—	1867	—	2391	496
		8	—	—	Too faint to be measured			

Continued in Book 78 p 198

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1930phec.proj.12781

Cl–Dk	Defl–Dk	Defl–Dkc	Red Defl
1797	47	—	26
1825	222	—	122
1802	593	—	330
1826	651	—	357
1866	679	—	365
1809	936	—	518
1873	1323	—	710
1895	1371	—	723
✓	—	—	—

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1930phae.proj.12780

DGP-RH 1958-Dec. 11, 1930

Strip	Class	Star	γ	δ	Defl	Defl	Cl	Dk	Volts
		15	2100	791	908	—	2108	498	510
		1	1740	811	1472	—	2232	513	
		2	—	—	1452	—	2058	522	
		3	—	—	1678	—	2260	528	
		4	—	—	1704	—	2262	527	
		5	—	—	1717	—	2306	531	
		6	—	—	1840	—	2273	532	
		7	—	—	1909	—	2303	532	
		8	—	—	2080	—	2317	540	510
15.4		1	1540	511	2128	2123	2354	547	
		1	1551	678	2150	—	2338	530	
		2	1551	800	2083	—	2343	542	
15.6		3	1559	781	2133	—	2357	539	
		4	1567	618	2064	—	2353	540	
		5	1564	762	2089	—	2329	531	
		6	1570	830	2200	—	2337	528	
		7	1577	877	2124	—	2350	521	
		2	1562	886	2050	2031	2287	520	
		8	1570	913	2177	—	2342	578	
15.8		3	1579	628	2117	2123	2346	512	
		4	1597	900	2123	2122	2323	517	
		9	1582	917	2037	—	2312	500	
16.0		5	16.10	737	2160	2159	2348	521	
		10	1600	589	2052	—	2307	522	
		6	1612	697	2210	2180	2342	579	
		7	1600	832	2247	2248	2367	522	
		8	1606	848	2111	2090	2343	518	
		9	1603	888	2222	2239	2377	520	
		11	1611	956	2180	—	2359	532	
		10	1601	961	1933	2000	2367	528	

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1930phae.proj.12780

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	L.No.
1605	410	—	256	—		
1719	959	—	557	—		
1531	930	—	607	—		
1732	1150	—	664	—		
1735	1177	—	678	—		
1772	1186	—	669	—		
1741	1308	—	750	—		
1771	1377	—	776	—		
1777	1540	—	866	—		
1807	1581	1576	875	873	8.34, 8.30	
1808	1620	—	896	—		892+
1801	1541	—	856	—		
1818	1594	—	876	—		
1813	1524	—	840	—		
1798	1558	—	865	—		
1809	1672	—	925	—		
1829	1603	—	876	—		
1767	1530	1511	866	856	8.21, 8.07	
1824	1659	—	909	—		926+
1834	1605	1611	875	879	8.33, 8.37	
1806	1586	1605	876	889	8.34, 8.50	↓
1812	1537	—	847	—		
1827	1639	1638	895	895	8.55, 8.55	
1828	1530	—	836	—		790 ✓
1823	1691	1661	929	911	9.02, 8.78	
1845	1725	1726	935	935	9.09, 9.09	
1825	1593	1572	874	862	8.32, 8.15	
1857	1702	1719	917	925	8.86, 8.96	
1827	1648	—	902	—		
1829	1405	1472	765	801	7.03 7.41	

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1930phae.proj.12780

AGK - RH, 1908 - Dec. 10, 1920.

Strip	Class	Star	m	x	Dec'l	Dec'l	Cl	Dk Pole
16.2		11	1604	387	2242	2251	2352	532
		12	1633	509	2137	2203	2388	528
		12	1631	611	2259	—	2360	529
		13	1631	624	1932	—	2353	531
		13	1630	908	1943	1998	2350	522
		14	1619	940	2270	2278	2370	520
		15	1624	961	1926	1959	2353	528
16.4		16	1655	348	2147	2164	2368	538
		14	1651	541	2141	—	2368	530
		15	1646	717	2253	—	2383	529
		17	1641	1067	1718	1699	2412	536
16.6		16	1656	278	2083	—	2388	524
		18	1673	408	2126	2127	2387	529
		19	1663	451	2232	2241	2352	538
		20	1670	522	1883	1882	2370	529
		21	1674	596	2258	2269	2403	539
		22	1662	732	1988	2091	2383	542
		23	1672	739	2260	2286	2413	538
		17	1660	847	2090	—	2398	542
		24	1662	872	1969	1960	2416	538
		25	1660	890	2280	2299	2366	539
		26	1670	997	2273	2271	2418	536
		18	2100	791	979		2389	530
		1	1740	811	1503	—	2401	537
		2	—	—	1699	—	2428	547
		3	—	—	1803	—	2410	538
		4	—	—	1789	—	2497	542
		5	—	—	1849	—	2428	560
		6	—	—	1952	—	2392	553
		7	—	—	2000	—	2417	566
		8	—	—	2213	—	2421	523

510

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1930phae.proj.12780

cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	L.No.
1820	1710	1719	940	944	9.14, 9.15	
1860	1609	1675	865	900	8.20, 8.62	
1831	1730	—	945	—		
1822	1401	—	770	—		805 ✓
1828	1421	1476	780	806	7.18, 7.47	
1850	1750	1758	945	950	9.13, 9.25	
1825	1398	1431	765	785	7.00, 7.24	
1830	1609	1626	879	889	8.37, 8.50	
1838	1611	—	876	—		
1854	1724	—	930	—		
1879	1185	1166	631	620	5.52, 5.44	
1864	1559	—	835	—		683 +
1858	1599	1598	860	860	8.13, 8.13	
1814	1694	1703	935	940	9.09, 9.14	
1841	1354	1353	735	735	6.66, 6.66	
1864	1719	1730	922	930	8.93, 9.03	
1841	1446	1549	785	840	7.24, 7.90	
1875	1722	1748	920	930	8.90, 9.03	
1856	1548	—	834	—		907 ✓
1878	1431	1422	764	758	7.00, 6.92	
1827	1741	1760	955	964	9.30, 9.40	
1882	1737	1735	921	920	8.92, 8.92	
1859	449	—	242	—		
1864	966	—	518	—		
1881	1152	—	614	—		
1872	1265	—	675	—		
1955	1247	—	637	—		
1868	1289	—	690	—		
1839	1399	—	760	—		
1851	1434	—	775	—		
1858	1650	—	890	—		

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1930phae.proj.1278C

Fmc RH 1958 Dec. 11, 1920

mag	class	star	y	y	Dyf	Dyf	cc	Dh	Volt
		15	2100	713	1020	—	2270	520	
		1	1740	734	1500	—	2242	509	
		2	—	—	1651	—	2281	505	
		3	—	—	1695	—	2228	500	
		4	—	—	1755	—	2257	500	
		5	—	—	1810	—	2270	491	
		6	—	—	1881	—	2230	490	
		7	—	—	1898	—	2251	483	
		8	—	—	2015	—	2220	480	
16.8	f	18	1686	471	2035	—	2251	471	
	f	27	1699	900	2025	2030	2268	465	
	f	19	1690	998	2062	—	2283	460	
17.0	f	28	1709	199	1939	1950	2210	455	
	f	29	1710	960	1680	1670	2250	447	
	f	20	1719	1037	1851	—	2258	440	
17.2	f	21	1738	469	1961	—	2210	440	
	f	30	1730	1031	2063	2081	2270	440	
17.4	f	22	1758	290	1880	—	2208	436	
	f	31	1757	562	1970	1975	2218	430	
	f	23	1758	688	2000	—	2225	430	
	f	32	1750	1009	1970	1960	2255	430	
17.6	f	24	1770	160	1940	—	2220	429	
	f	33	1779	166	1865	1880	2230	420	
	f	34	1778	201	1978	2013	2201	421	
	f	25	1770	341	2009	—	2229	418	
	f	26	1769	400	1859	—	2218	413	
	f	27	1760	790	1985	—	2220	413	
	f	28	1760	1018	1941	—	2250	411	
17.8	f	35	1790	640	1900	1917	2188	412	
	f	36	1790	1080	2066	2070	2270	412	

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1930phae.proj.1278C

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	L.No
1750	500	—	286	—		
1733	991	—	573	—		
1776	1146	—	645	—		
1728	1195	—	692	—		
1757	1255	—	715	—		
1779	1319	—	741	—		
1740	1391	—	800	—		
1768	1415	—	801	—		
1740	1535	—	882	—		
1780	1564	—	880	—		
1803	1560	1565	865	868	8.03, 8.04	
1823	1602	—	880	—		
1755	1484	1495	845	851	7.75, 7.83	
1808	1233	1223	682	676	5.70, 5.62	
1818	1411	—	776	—		1037+
1770	1521	—	860	—		748✓
1830	1623	1641	886	896	8.30, 8.45	
1772	1444	—	815	—		679✓
1788	1540	1545	863	865	8.00, 8.02	
1795	1570	—	875	—		1044+
1825	1490	1530	815	838	7.35, 7.56	
1791	1511	—	845	—		647+
1810	1465	1460	810	806	7.30, 7.23	
1780	1557	1592	875	895	8.17, 8.45	
1811	1591	—	880	—		688✓
1805	1446	—	800	—		713✓
1807	1572	—	871	—		948✓
1839	1530	—	834	—		1044+
1776	1488	1505	836	847	7.63, 7.77	
1858	1654	1658	890	893	8.36, 8.40	

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1930phae.proj.12780

FMC RH 1958 Dec. 11, 1930

Sup	class	star	y	y	Diff	Diff	d	Dk
8.0	f	37	1805	236	1855	1825	2213	410
	p	29	1801	552	2017	—	2200	409
	f	38	1810	645	2010	2009	2190	408
	p	30	1810	710	2048	—	2198	407
	f	39	1802	740	1968	1970	2201	407
	f	40	1819	805	2010	2017	2189	403
		18	2100	713	980		2190	400
		1	1740	734	1480	—	2179	400
		2	—	—	1545	—	2195	398
		3	—	—	1602	—	2155	392
		4	—	—	1651	—	2171	392
		5	—	—	1662	—	2185	393
		6	—	—	1800	—	2167	391
		7	—	—	1830	—	2180	392
		8	—	—	1960	—	2183	392

Continued in BK 78, p 210

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1930phae.proj.12781

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	L. No.
1803	1445	1415	800	785	7.13, 6.97	
1791	1608	—	895	—		
1782	1602	1601	900	899	8.52, 8.51	
1786	1641	—	920	—		
1794	1561	1563	870	871	8.08, 8.09	
1786	1607	1614	899	904	8.51, 8.59	
1790	580	—	324	—		
1779	1020	—	574	—		
1797	1147	—	638	—		
1753	1210	—	690	—		
1779	1259	—	708	—		
1792	1269	—	706	—		
1776	1409	—	792	—		
1788	1438	—	805	—		
1791	1568	—	875	—		

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1930phae.proj.12780

FMC Dec. 26, 1930 RH 1959

Strips	Class	Star	y	x	Dpl	Dpl	cl	Dk
		1S	2112	700	1275	—	2264	719
		1	1750	700	1719	—	2277	720
		2	—	—	1861	—	2330	720
		3	—	—	1710	—	2300	720
		4	—	—	1942	—	2262	728
		5	—	—	1969	—	2308	720
		6	—	—	2067	—	2367	731
		7	—	—	2095	—	2360	740
		8	—	—	2190	—	2328	700
22.8	fp	113	2299	181	1989	—	2375	702
	f	114	2282	230	2210	—	2369	680
	f	137	2291	240	2223	2244	2369	670
	f	138	2298	641	2142	2157	2288	663
	f	139	2298	800	2150	2180	2290	661
	f	140	2290	930	2180	2191	2285	653
	f	115	2290	1099	2199	—	2300	653
23.0	f	116	2302	280	2040	—	2340	658
	f	117	2310	357	2125	—	2341	635
	f	141	2309	439	2108	2160	2290	630
	f	118	2300	794	2059	—	2242	623
	f	142	2300	1002	2140	2139	2290	622
	f	119	2311	1035	2212	—	2290	620
	f	120	2317	1088	1940	—	2290	620
23.2	fp	121	2330	520	2031	—	2300	620
	f	143	2330	620	2058	2060	2237	612
	f	144	2338	644	2100	2119	2248	611
	f	145	2321	659	1940	1930	2223	610
	f	146	2324	1020	1970	1981	2255	607
23.4	fp	122	2350	180	2050	—	2318	601
	f	147	2350	260	2079	2060	2310	601

continued from B 1780, p 38

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1930phae.proj.12780

α - Dk	Defe. - Dk	Defe. Dk	Red Defe	Red Defe	Mag	L. No.
1545	556	—	360	—		
1557	999	—	635	—		
1610	1141	—	709	—		
1580	990	—	627	—		
1534	1214	—	791	—		
1588	1249	—	776	—		
1636	1336	—	817	—		
1620	1355	—	837	—		
1628	1490	—	916	—		
1673	1287	—	768	—		479 +
1689	1530	—	906	—		
1699	1553	1574	917	927	8.57, 8.78	
1625	1479	1494	910	920	8.45, 8.64	
1629	1489	1519	914	932	8.54, 8.90	
1633	1527	1538	935	94	8.95, 9.10	
1647	1546	—	936	—		
1682	1382	—	821	—		454 ✓
1706	1490	—	874	—		425 ✓
1660	1478	1530	891	923	8.09, 8.69	pole
1619	1436	—	887	—		
1668	1518	1517	910	909	8.98, 8.97	
1670	1592	—	954	—		
1670	1320	—	791	—		
1680	1411	—	840	—		338 ✓
1625	1446	1448	888	890	8.03, 8.06	
1637	1489	1508	909	920	8.97, 8.64	
1613	1330	1320	823	818	7.00, 6.90	
1648	1363	1374	828	834	7.07, 7.16	
1717	1449	—	818	—		457 +
1709	1478	1459	865	854	7.65, 7.48	

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1930phae.proj.12780

FMC 9th 1959 Dec. 26, 1920

Strip	class	star	y	x	Dyx	Dyx	α	δ
23.4	1	148	2359	441	2118	2120	2280	601
	2	149	2359	810	2022	2021	2240	601
	3	150	2349	870	1891	1850	2238	601
	2	123	2359	987	2040	—	2238	601
23.6	1	151	2362	273	1990	1982	2290	602
	2	152	2370	300	2010	2034	2320	601
	2	124	2378	431	2083	—	2294	600
	2	125	2362	730	1780	—	2225	600
	1	153	2365	813	2089	2087	2232	600
	VI	126	2360	914	1980	—	2295	600
	1	154	2379	1009	2081	2108	2231	600
23.8	1	155	2390	329	2189	2180	2300	600
	2	127	2381	480	2174	—	2250	600
	1	156	2399	520	1950	1948	2239	600
	1	157	2391	610	2023	2011	2230	600
	2	128	2397	841	2091	—	2218	600
	2	129	2381	875	1990	—	2210	600
	4	158	2381	939	2120	2120	2217	600
		15	2112	700	1178	—	2190	601
		1	1750	700	1628	—	2200	604
		2	—	—	1735	—	2250	609
		3	—	—	1625	—	2219	610
		4	—	—	1850	—	2210	610
		5	—	—	1852	—	2210	612
		6	—	—	1940	—	2220	610
		7	—	—	1972	—	2227	612
		8	—	—	2052	—	2168	610

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1930phae.proj.12781

Cl − 10 h	Defl-10h	Defl-10k	Red Defl	Red Defl	Mag	L. No
1679	1517	1519	902	904	8.30, 8.32	
1639	1421	1420	866	865	7.66, 7.65	
1637	1230	1249	752	764	5.94, 6.10	
1637	1439	—	879	—		90+
1688	1388	1380	822	819	6.98, 6.91	
1719	1409	1433	820	836	6.93, 7.18	
1694	1483	—	875	—		
1625	1180	—	725	—		205
1632	1489	1487	910	910	8.45, 8.45	
1635	1380	—	845	—		118
1631	1481	1508	909	924	8.44, 8.72	
1700	1589	1580	934	930	8.95, 8.85	
1650	1574	—	955	—		
1639	1350	1348	825	824	7.00, 6.99	
1630	1423	1411	874	866	7.80, 7.66	
1618	1491	—	924	—		
1610	1390	—	863	—		
1617	1520	1520	940	940	9.07, 9.07	
1589	577	—	363	—		
1596	1024	—	642	—		
1641	1126	—	687	—		
1609	1015	—	632	—		
1600	1240	—	776	—		
1598	1240	—	776	—		
1620	1330	—	822	—		
1615	1360	—	842	—		
1558	1442	—	927	—		

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1930phae.proj.12780

Obj - RA 1959 — Dec. 09, 1920.

Obj	Class	Star	y	x	Defl	Defl	cy	dx	Volts
		1A	2112	766	1228	—	2162	742	6-15
		1	1750	764	1692	—	2220	748	
		2	—	—	1799	—	2252	750	
		3	—	—	1763	—	2272	753	
		4	—	—	1916	—	2232	752	
		5	—	—	1947	—	2266	749	
		6	—	—	2027	—	2301	753	
		7	—	—	2062	—	2314	748	
		8	—	—	2138	—	2289	750	
24.0		159	2417	177	2262	2267	2277	749	
		130	2412	181	2292	—	2370	749	
		131	2404	299	2223	—	2368	748	
		132	2407	848	2097	—	2352	750	
		160	2400	587	2082	2081	2343	752	
		133	2400	693	2102	—	2299	743	
		161	2409	752	2082	2097	2307	740	
24.2		134	2418	317	2000	—	2352	728	
		162	2436	569	2172	2170	2348	737	
		135	2430	678	1943	—	2307	728	
		163	2420	809	2192	2192	2286	726	
24.4		164	2450	212	2283	2278	2363	721	
		165	2442	431	2247	2252	2342	712	
		166	2400	458	2278	2262	2357	716	
		167	2439	608	1937	1946	2343	717	
		136	2450	602	1940	—	2279	718	
		168	2440	813	1997	1977	2292	718	
		169	2440	895	1950	1937	2272	703	
24.6		137	2460	286	2182	—	2369	703	
		170	2466	613	2269	2266	2348	702	
		171	2473	333	2170	2169	2343	697	

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1930phae.proj.12780

Ce—Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag	L.No
1420	486	—	343	—		
1472	944	—	640	—		
1502	1049	—	698	—		
1519	1010	—	665	—		
1480	1164	—	787	—		
1517	1198	—	789	—		
1548	1274	—	825	—		
1566	1314	—	840	—		
1539	1388	—	905	—		
1528	1513	1518	990		off curve	
1624	1543	—	950	—		
1620	1475	—	912	—		
1602	1347	—	840	—		438+
1591	1330	1329	835	834	7.22, 7.20	
1556	1359	—	874	—		274✓
1567	1342	1357	857	~~865~~	~~7.53~~ 6.85, 7.65	
1624	1272	—	783	—		426+
1611	1435	1433	891	889	8.01, 7.99	
1579	1215	—	769	—		279✓
1560	1469	—	941	—	off?	
1642	1562	1557	953	947	9.04, 8.90	
1630	1535	1546	942	944	8.82, 8.85	
1638	1565	1549	956	945	9.07, 8.87	
1626	1520	1529	749	754	6.04, 6.12	
1561	1522	—	782	—		294✓
1574	1479	1459	813	800	6.95, 6.73	
1569	1547	1534	796	790	6.68, 6.62	
1666	1479	—	887	~~950~~		
1646	1567	1564	955	~~972~~	9.05, 8.98	
1646	1473	1472	895	895	8.05, 8.05	

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1930phae.proj.12780

2 JP - RH 1959 - Dec. 29, 1930.

Strip	Class	Star	Y	X	Diff	Diff	Cc	Dk	Volts
		172	2458	402	2128	2133	2333	698	
		138	2477	607	2123	—	2292	688	
		173	2470	662	2058	2072	2278	688	
		174	2460	718	1923	1927	2299	707	
		139	2458	739	2162	—	2290	708	
		140	2469	772	1958	—	2294	703	
24.8		141	2481	479	2132	—	2303	711	
		142	2488	612	2083	—	2332	712	
		175	2493	672	2162	2179	2300	703	
		143	2492	903	1889	—	2263	703	
		176	2489	947	2077	2050	2302	709	
		144	2490	971	2143	—	2306	708	
		177	2495	971	1923	1997	2312	713	
25.0		178	2502	956	2152	2167	2329	717	
		179	2523	497	2212	2237	2380	726	
		180	2502	709	2173	2142	2318	739	
		181	2520	790	2221	2213	2290	720	
		182	2513	1073	2166	2103	2360	720	
		144	2513	1092	2120	—	2350	727	
25.2		183	2518	561	2204	2171	2352	732	
		145	2530	673	2222	—	2360	723	
		146	2530	728	2057	—	2357	727	
		147	2523	849	2192	—	2342	726	
		184	2529	864	2092	2123	2318	729	
		148	2520	1060	2071	—	2342	722	
25.4		185	2553	903	2217	2239	2383	727	
		149	2548	381	2223	—	2389	732	
		186	2540	428	2313	2278	2403	732	
25.6		150	2563	788	2183	—	2337	724	
		151	2565	940	2192	—	2332	717	

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1930phae.proj.12780

ce-Dk	Dif Dk	Dif Dk	Red Dif	Red Dif	Mag.	L. No.
1635	1430	1435	875	877	7.78, 7.80	
1604	1435	—	892	—		
1590	1370	1384	863	871	7.62, 7.72	
1592	1216	1220	764	767	6.~~76~~ 24, 6.29	
1582	1454	—	920	—		
1591	1255	—	789	—		240
1642	1421	—	865	—		247
1620	1371	—	843	—		
1597	1459	1476	914	925	8.35, 8.54	
1560	1186	—	760	—		183
1593	1368	1371	859	862	7.55, 7.60	
1598	1435	—	898	—		
1599	1210	1284	757	804	6.16, 6.81	
1612	1435	1450	892	900	8.02, 8.12	
1654	1486	1511	897	914	8.07, 8.35	
1579	1434	1403	910	891	8.30, 8.00	
1570	1501	1493	956	952	9.07, 9.03	
1640	1440	1433	878	875	7.81, 7.78	
1623	1393	—	858	—		
1650	1472	1439	890	870	7.99, 7.70	
1637	1499	—	915	—		
1630	1330	—	817	—		264
1619	1469	—	907	—		
1699	1363	1394	854	872	7.48, 7.73	
1620	1349	—	832	—		136
1656	1490	1512	899	913	8.10, 8.32	
1657	1491	—	898	—		
1671	1571	1546	941	926	8.81, 8.55	
1613	1459	—	902	—		
1615	1475		913	—		

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1930phae.proj.12780

2yp – RY 1909 – Dec. 29, 1930

Strip	Class	Star	Y	X	Dep.	Dep'l	Ce	Dk	Volts
		187	2560	1012	2180	2183	2355	726	
		152	2569	1039	2208	—	2343	726	
25.8		188	2582	347	2289	2289	2413	729	
		189	2592	668	2117	2120	2362	738	
		190	2580	957	1830	1808	2373	752	
26.0		153	2609	768	2150	—	2377	748	
		151	2611	826	2270	—	2354	748	
		191	2600	901	2270	2262	2372	742	
		155	2609	963	2210	—	2378	743	
26.2		156	2618	639	1986	—	2392	734	
		157	2622	819	1733	—	2333	732	
		158	2630	898	2038	—	2343	730	
26.4		192	2651	662	2083	2073	2372	742	
		159	2640	851	2243	—	2353	740	
		160	2639	930	2163	—	2357	733	
26.6		193	2670	771	2170	2172	2373	732	
		161	2670	811	1953	—	2362	722	
		194	2664	876	2182	2172	2357	726	
		10	2112	766	1337	—	2226	726	←
		1	1750	764	1787	—	2322	729	
		2	—	—	1868	—	2389	737	
		3	—	—	1858	—	2359	718	
		4	—	—	1972	—	2330	712	
		5	—	—	2032	—	2293	703	
		6	—	—	2078	—	2372	692	
		7	—	—	2098	—	2300	693	
		8	—	—	2198	—	2342	703	505

Plate smashed

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1930phae.proj.12700

Cl. Dk.	Defl. Dk.	Defl. Dk.	Reduced	Reduced	Magn.	L. Ns.
1627	1457	1410	894	866	8.02, 7.66	
1617	1482	—	917	—		
1674	1560	1566	932	932	8.67, 8.67	
1624	1379	1382	848	851	7.40, 7.42	
1621	1078	1056	665	653	5.04, 4.90	
1629	1402	—	862	—		255 +
1606	1522	—	947	—		~~234~~
1630	1528	1520	937	933	8.70, 8.64	
1635	1467	—	895	—		242 +
1658	1252	—	757	—		297 +
1601	1001	—	624	—		239 +
1613	1308	—	810	—		266 +
1630	1341	1331	823	817	7.07, 7.00	
1613	1503	—	932	—		
1624	1430	—	881	—		
1641	1438	1440	875	877	7.76, 7.80	
1641	1231	—	750	—		
1625	1456	1446	895	888	8.05, 7.95	
? 1600	614	—	409	—		
1593	1058	—	662	—		
1657	1136	—	686	—		
1641	1148	—	694	—		
1618	1260	—	778	—		
1630	1329	—	815	—		
1680	1386	—	825	—		
1659	1405	—	847	—		
1639	1490	—	910	—		

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1930phae.proj.12780

208

FMC R# 1865 Dec. 29, 1930

Sup.	class	star	y	x	Dyz	Dyz	cl	dh
		1S	2070	760	732	—	2439	713
		1	1740	603	862	—	2430	710
		2	—	—	1070	—	2530	705
		3	—	—	1239	—	2472	700
		4	—	—	1300	—	2062	691
		5	—	—	1637	—	2449	688
		6	—	—	1981	—	2430	681
		7	—	—	2083	—	2392	675
		8	—	—	cannot see too faint			
15.6	p	1	1570	360	1998	—	2470	670
	f	1	1560	486	1639	1650	2463	667
	f	2	1562	574	2009	2042	2430	660
	p	2	1578	884	2065	—	2481	658
15.8	p	3	1580	858	1985	—	2450	645
16.4	f	3	1659	451	1887	1878	2498	640
	f	4	1654	707	1820	1800	2398	631
	p	4	1659	1089	2051	—	2470	628
16.8	f	5	1680	408	2040	2060	2380	623
	f	6	1695	424	1830	1820	2390	621
17.4	p	5	1740	989	1801	—	2410	619
	p	6	1740	1102	2090	—	2462	618
17.8	f	7	1788	563	1963	2000	2290	620
		1S	2070	760	658	—	2350	620
		1	1740	603	775	—	2320	620
		2	—	—	985	—	2438	620
		3	—	—	1151	—	2354	620
		4	—	—	1212	—	1990	620
		5	—	—	1565	—	2358	620
		6	—	—	1923	—	2308	620
		7	—	—	1951	—	2270	620
		8	—	—	cannot see too faint			

continued on p 80

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1930phae.proj.12780

Curves completed through here.

cl-Dk	Dif-Dk	Def-Dk	Red Def	Red Def	Mag.	L.No
1726	19	—	11	—		
1720	152	—	88	—		
1825	365	—	200	—		
1772	539	—	304	—		
1371	609	—	444	—		
1761	949	—	539	—		
1749	1300	—	745	—		
1717	1408	—	820	—		
—	—	—	—	—		
1800	1328	—	736	—		844+
1796	972	983	542	547	6.54, 6.57	
1770	1349	1382	760	782	7.25, 7.32	
1823	1407	—	770	—		1043+
1805	1340	—	744	—		1030+
1793	1247	1238	695	690	7.05, 7.04	
1767	1189	1169	673	661	7.00, 6.94	
1842	1423	—	774	—		
1757	1417	1437	806	818	7.37, 7.42	
1769	1209	1199	684	677	7.02, 7.01	
1791	1182	—	660	—		805✓
1844	1472	—	800	—		1164+
1670	1343	1380	805	825	7.38, 7.42	
1730	38	—	22	—		
1700	155	—	91	—		
1818	365	—	201	—		
1734	531	—	306	—		
1370	592	—	433	—		
1738	945	—	545	—		
1688	1303	—	774	—		
1650	1331	—	807	—		
—	—	—	—			

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1930phae.proj.12780

210 ♯mc RH 1866 Jan. 2, 1931

Trip	class	star	y	x	Dpe	Dpf	de	Dh
		15	2083	835	690	—	2273	686
		1	1760	667	890	—	2264	728
		2	—	—	1090	—	2340	710
		3	—	—	1320	—	2311	700
		4	—	—	1309	—	2291	680
		5	—	—	1621	—	2272	663
		6	—	—	1892	—	2302	660
		7	—	—	2043	—	2260	655
		8	—	—	cannot see			
25.8	f	35	2580	910	1957	1987	2335	658
26.6	f	36	2670	753	1987	2050	2310	660
		15	2083	835	690		2321	659
		1	1760	667	810	—	2270	651
		2	—	—	1031	—	2315	652
		3	—	—	1280	—	2320	650
		4	—	—	1300	—	2110	649
		5	—	—	1560	—	2291	651
		6	—	—	1940	—	2312	649
		7	—	—	1957	—	2248	640
		8	—	—	cannot see			

Plate finished

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1930phae.proj.12780

α - Dk	Defl - Dk	Defl - Dk	Red. Defl	Red. Defl.	Mag	L. N.
1587	04	—	2	—		
1536	162	—	105	—		
1630	380	—	233	—		
1611	620	—	384	—		
1611	629	—	390	—		
1609	958	—	596	—		
1642	1232	—	750	—		
1605	1388	—	865	—		
—	—	—	—	—		
1677	1299	1279	775	763	7.16, 7.13	
1660	1324	1390	800	838	7.24, 7.38	
1662	31	—	19	—		
1619	159	—	98	—		
1663	379	—	227	—		
1670	630	—	377	—		
1461	651	—	445	—		
1640	909	—	554	—		
1663	1291	—	776	—		
1608	1317	—	819	—		

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1930phae.proj.12780

FMC RH 1849 Jan. 2, 1931

Strip	class	star	y	x	Diff	Diff	α	Dh	Vals
		15	1999	900	713	—	2320	639	
		1	1797	595	1012	—	2297	640	
		2	—	—	1200	—	2360	640	
		3	—	—	1351	—	2301	641	
		4	—	—	1495	—	2301	641	
		5	—	—	1639	—	2338	641	
		6	—	—	1930	—	2310	640	
		7	—	—	2010	—	2313	641	
		8	—	—	can't see				
15.0	f	1	1500	844	1085	1090	2300	653	
15.2	fp	1	1521	726	1947	—	2220	660	
15.6	fp	2	1560	1100	1590	—	2319	660	
	f	2	1565	767	1540	1557	2287	655	
	f	3	1560	1070	1480	1480	2285	653	
16.0	f	4	1608	730	1978	1940	2235	650	
	f	5	1600	1220	1952	1850	2253	641	
		15	1999	900	709	—	2209	640	
		1	1797	595	957	—	2190	643	
		2	—	—	1170	—	2240	630	
		3	—	—	1318	—	2213	630	
		4	—	—	1450	—	2228	631	
		5	—	—	1580	—	2232	637	
		6	—	—	1835	—	2218	640	
		7	—	—	1918	—	2205	640	
		8	—	—	can't see				

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1930phae.proj.12780

Ce. Ob	Defe. Ob	Defe. Ob	Red Defe	Red Defe	Mag.	L. No.
1681	74	—	44	—		
1657	372	—	224	—		
1720	560	—	326	—		
1660	710	—	428	—		
1660	854	—	514	—		
1697	998	—	588	—		
1670	1290	—	772	—		
1672	1369	—	817	—		
—	—	—	—	—		
1547	432	437	279	283	5.01, 5.03	
1560	1287	—	825	—		1030 +
1559	930	—	595	—		1214 +
1632	885	902	541	553	6.21, 6.26	
1632	827	827	506	506	6.06, 6.06	
1585	1328	1290	836	815	7.46, 7.39	
1612	1311	1209	815	749	7.39, 7.07	
1569	69	—	44	—		
1547	214	—	138	—		
1610	540	—	335	—		
1583	688	—	435	—		
1597	819	—	514	—		
1595	943	—	591	—		
1578	1195	—	757	—		
1565	1278	—	815	—		
		—				

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1930phae.proj.12780

A.J.J.B. RH 1849 Jan 2, 1931

Trip	class	Star	x	y	Dec	Dec	α	δ	Volh
		15	1999	864	744	—	2456	618	510
		1	1797	560	1119	—	2493	607	
		2	—	—	1219	—	2562	645	
		3	—	—	1540	—	2445	660	
		4	—	—	1547	—	2521	643	
		5	—	—	1662	—	2578	658	
		6	—	—	1938	—	2583	692	
		7	—	—	2032	—	2601	691	
		8	—	—	—	Can't see		—	
16.4	f	6	1639	748	1943	1967	2541	796	
	f	7	1630	800	2200	2139	2540	763	
16.8	f	8	1690	1232	1330	1328	2500	709	
17.0	f	9	1700	677	2083	2020	2421	687	
17.2	f	10	1720	485	1481	1390	2427	675	
	f	11	1720	1225	2202	2149	2446	664	
17.4	f	12	1739	501	2122	2118	2395	653	
	p	3	1745	1002	2011	—	2403	648	
	p	4	1733	1024	2160	—	2395	643	
17.6	p	5	1765	458	2159	—	2382	634	
17.8	f	13	1789	730	2113	2106	2350	638	
	p	6	1781	1241	2022	—	2378	641	
18.0	p	7	1798	1019	1969	—	2342	648	
	f	14	1810	1335	1894	1873	2368	657	
18.2	p	8	1828	909	966	—	2375	626	
18.4	f	15	1840	518	1660	1632	2235	658	
18.6	f	16	1852	527	2000	1986	2298	648	
	p	9	1857	1107	1335	—	2343	629	
18.8	f	17	1880	335	2007	2021	2300	659	
19.0	p	10	1905	375	1992	—	2288	663	
	f	18	1903	881	2148	2081	2333	662	

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1930phae.proj.12780

Cl-Dk	Dfl-Dk	Dfl-Wk	Red Dfl	Red-Dfl	mag	L. No.
1838	126	—	68	—		
1886	512	—	271	—		
1917	574	—	299	—		
1785	880	—	494	—		
1878	904	—	482	—		
1920	1004	—	524	—		
1891	1246	—	658	—		
1910	1341	—	704	—		
—	—	—	—	—		
1745	1147	1171	657	671	6.61, 6.66	
1777	1437	1376	809	775	7.17, 7.05	
1791	621	619	346	346	5.12, 5.12	
1734	1396	1333	805	770	7.16, 7.04	
1752	806	815	460	465	5.71, 5.74	
1782	1538	1485	862	834	7.39, 7.25	
1742	1469	1465	841	840	7.29, 7.28	
1755	1363	—	776	—		1242 ✓
1752	1517	—	865	—		1251 ✓
1748	1525	—	873	—		
1712	1475	1468	860	855	7.37, 7.34	
1737	1381	—	796	—		51 +
1694	1321	—	780	—		1279 ✓
1711	1237	1216	723	710	6.85, 6.80	
1729	320	—	765	—		
1577	1002	974	636	618	6.52, 6.46	
1650	1352	1338	819	810	7.20, 7.18	
1694	686	—	405	—		56 ✓
1641	1348	1362	872	830	7.21, 7.24	
1625	1329	—	817	—		805 ✓
1671	1486	1419	887	847	7.46, 7.31	

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1930phae.proj.12780

a.g.g B. R.H 1849 Jan 2. 1931

Strip	Class	Star	y	x	Dpe	Dpe	de	Dh	Volt
	p	11	1900	1037	2068	—	2317	655	
	f	19	1902	1184	1918	1793	2360	658	
19.4	p	12	1929	940	2097	—	2363	665	
19.6	f	20	1966	712	2142	2105	2324	654	
19.8	f	21	1973	487	2013	1920	2321	657	
20.0	f	22	2010	678	1680	1685	2331	652	
	f	23	1998	860	1393	1342	2319	650	
	f	24	2001	1035	1632	1647	2273	650	
		18	1999	864	758	—	2283	640	
		1	1797	560	1100	—	2291	637	
		2		—	1231	—	2333	639	
		3	—	—	1539	—	2261	638	
		4	—	—	1568	—	2259	643	
		5	—	—	1689	—	2278	641	
		6	—	—	1957	—	2300	642	
		7	—	—	2073	—	2305	638	
		8	—	—	Cant see				6.00

Continued in BK 80, pp. 58

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cl-bk	defe-bk	defe-bk	Red defe	Red defe	mag	L.Nu
1672	1413	—	845	—		62 ✓
1702	1260	1135	739	666	6.92, 6.64	
1698	1332	—	785	—		
1670	1488	1451	890	869	7.48, 7.40	
1664	1356	1263	814	760	7.19, 7.00	
1679	1028	1033	613	616	6.45, 6.46	
1669	743	692	444	414	5.63, 5.49	
1623	982	997	605	614	6.40, 6.44	
1643	118	—	71	—		
1654	463	—	297	—		
1700	598	—	352	—		
1623	901	—	552	—		
1616	925	—	572	—		
1637	1048	—	640	—		
1658	1315	—	794	—		
1667	1435	—	862	—		
—	—	—	—	—		

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Strip	class	star	y	x	Dyfl	Dyfl	a	Dx	Oalt

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α - 10h	Dafe - 10h	Defe - 10h	Red Defe	Red Defe	Mag	L. No

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