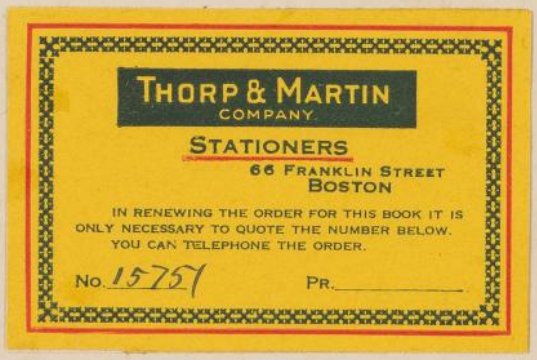
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2

FMC RH651 Jan. 6, 1930

Strip	Class	Star	y	x	Defl.	Defl.	Cl.	Dk.
		13	2089	1045	170	—	880	168
		1	1728	1010	185	—	891	168
		2	—	—	202	—	900	169
		3	—	—	238	—	910	170
		4	—	—	274	—	881	170
		5	—	—	310	—	890	171
		6	—	—	439	—	900	175
		7	—	—	464	—	890	178
		8	—	—	655	—	895	173
14.8	fp	1	1480	842	482	—	891	175
	f	1	1490	892	595	620	879	178
	fp	2	1481	1071	680	—	900	180
15.0	f	2	1500	728	560	562	890	178
	fp	3	1500	765	569	—	918	182
	f	3	1501	765	471	475	878	178
15.2	f	4	1520	721	728	740	905	181
	f	5	1580	1076	691	709	901	182
15.4	f	6	1540	562	320	320	880	180
	f	7	1548	630	689	720	900	180
	f	8	1555	699	695	710	902	180
	fp	4	1552	707	628	—	872	180
	f	9	1559	711	541	540	885	181
	fp	5	1541	971	650	—	909	183
15.6	f	10	1571	702	189	185	860	180
	fp	6	1560	939	628	—	883	181
	f	11	1570	1070	670	700	905	181
	fp	7	1559	1090	550	—	920	180
15.8	f	12	1560	1111	630	610	950	200
	f	13	1570	1240	661	700	935	200
16.0	f	14	1611	639	255	260	890	190

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1929phae.proj.12721

Cl.-Dk.	Defl.-Dk	Defl.-Dk	Reduced	Reduced	Magn.	L. No.
712	02	—	3	—		
723	17	—	23	—		
731	33	—	45	—		
740	68	—	92	—		
711	104	—	146	—		
719	139	—	193	—		
725	264	—	364	—		
712	286	—	402	—		
722	482	—	666	—		
716	307	—	428	—		844 X
701	417	442	595	630	8.04, 8.15	
720	500	—	695	—		911 X
712	282	384	536	540	7.86, 7.84	
736	387	—	525	—		809 X
700	293	297	417	424	7.46, 7.49	
724	547	559	755	772	8.55, off curve	
719	509	527	709	735	8.41, 8.49	
700	140	140	200	200	6.55, 6.55	
720	509	540	707	750	8.40, 8.53	
722	515	530	714	735	8.43, 8.49	
692	448	—	648	—		392 X
704	360	359	512	510	7.77, 7.76	↓
726	467	—	644	—		
680	09	05	13	7	3.30, 2.80	
702	447	—	637	—		880 X
724	489	519	676	717	8.39 8.46	
740	370	—	500	—		426 X
750	430	410	574	546	7.88, 7.38	
735	461	600	626	680	8.13, 8.31	
700	65	70	93	100	5.53, 5.61	

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FMC RH 651 Jan. 6, 1930

Strip	class	strip	y	x	Diff	Diff	d	Dh	
16.0	f	15	1600	975	600	615	902	189	
	f	16	1615	1202	330	930	912	181	
	f	17	1600	1240	660	662	937	185	
	f	18	1600	1268	510	530	930	185	
16.2	fp	8	1620	770	599	—	885	182	
	f	19	1629	935	300	300	891	180	
	f	20	1630	1191	421	441	915	182	
		18	2089	1045	188	—	890	180	
		1	1723	1010	200	—	910	180	
		2	—	—	228	—	910	180	
		3	—	—	245	—	923	181	
		4	—	—	295	—	905	180	
		5	—	—	319	—	900	180	
		6	—	—	420	—	900	180	
		7	—	—	510	—	907	180	
		8	—	—	700	—	910	180	
		RH 651 – Jan. 6, 1930							490
		18	2089	1045	171	—	870	169	
		1	1723	1010	191	—	903	171	
		2	—	—	211	—	920	173	
		3	—	—	251	—	923	177	
		4	—	—	291	—	910	178	
		5	—	—	310	—	900	181	
		6	—	—	431	—	893	181	
		7	—	—	466	—	893	181	
		8	—	—	709	—	919	178	
16.4	p	9	1651	452	420	—	890	178	
	f	21	1641	570	573	603	869	180	
	f	22	1650	598	687	700	883	183	
	f	23	1653	621	463	491	889	181	

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Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
713	411	426	576	597	7.97, 8.04	7.90
731	149	149	204	204	6.57, 6.57	
752	475	477	631	635	8.15, 8.18	
745	325	345	436	463	7.52, 7.62	
703	417	—	595	—		7.90 ✓
711	120	120	169	169	6.30, 6.30	
733	239	254	326	353	7.11, 7.22	
710	08	—	11	—		
730	20	—	27	—		
736	48	—	66	—		
742	64	—	86	—		
725	115	—	158	—		
726	139	—	193	—		
720	240	—	334	—		
727	330	—	454	—		
730	520	—	712	—		
701	02	—	3	—		
732	20	—	27	—		
747	38	—	51	—		
746	74	—	99	—		
732	113	—	154	—		
719	129	—	179	—		
712	250	—	350	—		
712	285	—	400	—		
741	531	—	716	—		
712	242	—	340	—		699 ✗
689	393	423	570	614	7.88, 8.06	
700	504	514	720	739	8.35, 8.38	
708	282	310	398	437	7.38, 7.58	

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Hgp-R # 651- Jan 6, 1930

Mag	Class	Star	y	x	Diff	Diff	cc	Dk Plt
		24	1648	652	783	787	905	183
		25	1651	706	690	710	900	183
		26	1643	779	799	817	899	188
		10	1649	811	431	—	899	183
		27	1650	876	639	660	891	189
		28	1650	861	779	778	892	183
		11	1648	903	731	—	908	183
		29	1648	997	699	720	907	188
		12	1641	1037	604	—	918	187
		30	1640	1073	781	768	918	189
		31	1650	1073	702	702	930	191
		13	1640	1267	680	—	928	193
		14	1640	1274	813	—	948	191
		15	1650	1292	810	—	927	193
		32	1640	1302	382	383	930	193
16.6		33	1670	519	600	621	907	193
		34	1662	1168	679	672	930	197
		35	1660	1193	800	802	910	193
		36	1661	1241	829	840	947	192
		37	1661	1300	993	820	938	199
		16	1660	1319	426	—	945	198
		17	1669	1337	523	—	953	193
16.8		38	1681	478	710	748	902	191
		39	1696	517	791	782	903	190
		40	1691	644	717	743	913	198
		18	1680	731	450	—	889	193
		41	1680	1016	781	792	898	197
		42	1680	1072	792	839	898	197
		43	1682	1081	726	749	920	197
		44	1680	1140	670	733	909	200

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Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
722	600	614	830	850	off curve	
717	507	527	707	735	8.30, 8.37	
711	611	629	860	885	off curve	
716	248	—	346	—		805 ✓
702	450	471	640	671	8.12, 8.21	
709	546	595	770	839	8.49, off curve	
717	568	—	794	—		
719	511	532	710	740	8.32, 8.40	
731	417	—	571	—		907 ✓
729	592	579	810	795	off curve	
739	511	511	691	691	8.26, 8.26	
736	487	—	663	—		
757	622	—	820	—		
734	617	—	840	—		
737	189	191	256	258	6.80, 6.82	
714	407	428	571	600	7.94, 8.03	
733	482	475	656	650	8.16, 8.15	
717	607	609	846	848	off curve	
755	637	648	845	858	off curve	
739	794	621	1007	840	off curve	
747	228	—	306	—		1030 ✗
760	330	—	434	—		1043 ✗
711	519	557	730	784	8.34, off curve	
713	601	592	843	830	off curve	
715	519	545	725	761	8.36, 8.46	
696	557	—	800	—		754 ✗
701	584	595	830	850	off curve	
701	595	642	850	915	off curve	
723	529	562	731	764	8.34, 8.47	
709	470	533	663	750	8.18, 8.43	

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HJP - RH637 - Jan. 6, 1930

Mag	Class	Star	y	x	Dyf	Dyf	Cl	Dk	Plts
		45	1688	1247	321	337	937	198	
		46	1691	1303	779	819	943	201	
		47	1680	1303	803	837	909	200	
		48	1690	1338	840	851	953	200	
		49	1681	1346	840	853	951	200	
		50	1692	1378	770	853	938	201	
17.0		51	1700	489	491	514	898	202	
		52	1695	517	783	792	889	202	
		53	1708	549	732	742	900	201	
		54	1701	557	819	813	902	200	
		55	1701	560	718	702	891	201	
		56	1706	663	778	787	897	197	
		57	1699	724	698	737	900	200	
		19	1710	747	671	—	901	196	
		58	1710	872	608	616	899	201	
		20	1707	889	748	—	899	202	
		59	1710	918	752	750	921	201	
		60	1710	956	830	830	919	201	
		61	1697	1279	798	812	929	199	
		21	1711	1237	862	—	937	201	
		62	1708	1246	749	768	931	202	
		22	1700	1297	773	—	948	201	
		23	1703	1298	560	—	949	203	
		63	1710	1321	781	710	943	201	
17.2		24	1721	469	632	—	909	201	
		64	1717	562	712	779	901	202	
		65	1720	917	800	823	913	201	
		25	1724	1043	780	—	901	201	
		66	1734	1128	763	772	940	203	
		67	1728	1158	230	230	923	201	

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Cl.-Dk.	Defl.-Dk.	Defl-Dk.	Reduced	Reduced	Magn. L. No.
739	123	139	166	188	6.28, 6.43
742	578	618	780	835	off curve
709	603	697	850	900	off curve
753	640	657	850	865	off curve
751	640	653	850	867	off curve
737	569	652	770	885	off curve
696	289	312	415	448	7.44, 7.56
687	581	590	848	860	off curve
699	531	541	760	775	off curve
702	619	613	880	872	off curve
690	517	501	750	726	8.41, 7.86
700	581	590	830	843	off curve
700	498	537	711	767	7.82, off curve
705	475	—	675	—	748 ✓
698	407	415	585	595	7.98, 8.00
697	546	—	785	—	
720	551	549	765	762	off curve
718	629	629	885	885	off curve
730	599	613	820	840	off curve
726	661	—	910	—	
729	547	566	762	789	off curve
747	572	—	766	—	1044 ✗
746	357	—	478	—	
743	581	510	783	685	off curve, 7.74
708	431	—	610	—	683 ✗
699	510	571	730	816	7.87, off curve
713	600	623	841	875	off curve
700	579	—	825	—	
737	560	569	760	772	8.45, off curve
722	29	29	40	40	4.97, 4.97

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10

Dyp - RH651 - Jan 6, 1930

Strip	Class	Star	y	x	Dyf	Dyf	cl	dk	Dots
	p	26	1729	1217	777	—	932	201	
	p	27	1731	1240	810	—	902	203	
	f	68	1733	1261	343	350	938	203	
	f	28	1720	1278	760	—	943	203	
	p	10	2089	1045	204	—	898	200	
		1	1723	1010	218	—	900	198	
		2	—	—	232	—	921	201	
		3	—	—	263	—	939	199	
		4	—	—	300	—	913	197	
		5	—	—	938	—	912	197	
		6	—	—	458	—	907	197	
		7	—	—	000	—	900	199	
		8	—	—	677	—	909	196	490
M.R.D.		RH651 - Jan. 7, 1930							5.1
		15	2089	986	210	—	935	210	
		1	1723	953	230	—	950	208	
		2	—	—	250	—	990	202	
		3	—	—	270	—	977	207	
		4	—	—	320	—	970	212	
		5	—	—	370	—	970	215	
		6	—	—	475	—	960	206	
		7	—	—	520	—	954	210	
		8	—	—	740	—	990	220	
17.4	f	69	1742	764	270	280	968	210	
	f	70	1750	825	485	490	968	208	
	p	29	1740	1010	690	—	956	210	
	f	71	1753	1062	710	740	980	210	
17.6	f	72	1759	819	470	475	963	210	
	p	30	1763	450	695	—	959	215	
	f	73	1768	620	715	740	950	210	
	f								

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Cl.-Dk.	Defl.-Dk.	Defl-Dk.	Reduced	Reduced	Magn. L. Ko	
731	576	—	789	—		
699	607	—	870	—		1629 ✗
735	140	147	190	200	6.44, 6.51	
740	557	—	754	—		
698	64	—	6	—		
702	20	—	28	—		
720	31	—	42	—		
740	64	—	86	—		
736	103	—	114	—		
715	141	—	197	—		
710	261	—	367	—		
701	301	—	429	—		
713	481	—	675	—		
725	0	—	0	—		
742	22	—	30	—		
788	48	—	61	—		
770	63	—	82	—		
758	108	—	142	—		
755	155	—	205	—		
754	269	—	357	—		
744	310	—	416	—		
770	520	—	675	—		
758	60	70	79	92	5.39, 5.56	
760	277	282	364	370	7.27, 7.29	
746	480	—	644	—		948 ✓
770	500	530	650	688	8.19, 8.30	
753	260	265	346	352	7.29, 7.22	
744	480	—	780	—		681 ✗
741	506	530	682	714	8.30, 8.39	

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12

MRD RH 651 Jan. 7, 1930

trip	Class	Star	y	x	Defl	Defl	Cl	Dk
	f	74	1770	630	560	590	958	210
	fp	31	1760	690	660	—	950	210
	f	75	1777	754	400	410	970	210
	fp		1768	1167	880	— too faint		
17.8	f	76	1790	316	710	715	960	213
	f	77	1795	510	620	640	960	212
	f	78	1790	813	610	630	978	210
	f	79	1790	1012	728	768	968	210
	f	80	1786	1119	500	500	975	209
	f	1S	2089	986	215	—	938	208
		1	1723	953	230	—	960	210
		2	—	—	260	—	995	210
		3	—	—	320	—	999	210
		4	—	—	348	—	958	210
		5	—	—	360	—	964	210
		6	—	—	480	—	958	208
		7	—	—	520	—	953	210
		8	—	—	715	—	960	212

FMC RH 651 Jan. 7, 1930

1S	2089	986	195	—	925	190
1	1723	953	221	—	958	210
2	—	—	250	—	972	208
3	—	—	271	—	973	200
4	—	—	319	—	951	200
5	—	—	352	—	955	201
6	—	—	481	—	939	201
7	—	—	570	—	971	208
8	—	—	750	—	960	201
18.0	fp	32	1810	378	249	—	950	201

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Cl.-Dk	Defl.-Dk.	Defl.-Dk	Reduced	Reduced	Magn. L. No.
748	450	480	600	640	8.04, 8.17
740	450	—	607	—	748 ✓
760	190	200	250	263	6.77, 6.85
747	497	502	665	670	8.23, 8.25
748	408	438	545	585	7.87, 7.99
768	400	420	520	546	7.80, 7.87
758	518	558	684	735	8.29, off curve
766	291	291	380	380	7.33, 7.38
730	07	—	9	—	
750	20	—	26	—	
785	50	—	64	—	
789	110	—	139	—	
748	138	—	184	—	
754	150	—	199	—	
750	272	—	362	—	
743	310	—	417	—	
748	533	—	670	—	
735	05	—	7	—	
748	11	—	15	—	
764	42	—	55	—	
773	71	—	92	—	
751	119	—	158	—	
754	151	—	200	—	
738	280	—	380	—	
733	362	—	495	—	
759	549	—	724	—	
749	48	—	64	—	660 ✗

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FMC RH651 Jan. 7, 1930

Grup	class	star	y	x	Diff	Diff	a	sh
18.0	f	81	1804	442	551	552	900	202
	fp	33	1809	514	618	—	920	202
	fp	34	1811	569	701	—	937	203
	fp	35	1801	628	610	—	940	210
	f	82	1816	780	828	330	940	208
	fp	36	1801	1018	751	—	970	210
	f	83	1810	1075	421	421	970	210
	f	84	1810	1129	282	281	970	211
18.2	f	85	1838	400	733	761	945	210
	f	86	1829	698	612	640	925	207
	f	87	1829	769	290	299	922	210
18.4	f	88	1859	373	691	635	923	210
	fp	37	1841	389	680	—	939	210
	fp	38	1841	772	730	—	948	210
	f	89	1841	775	713	715	932	209
	f	90	1851	959	330	343	941	210
	f	91	1850	1000	671	698	950	215
	f	92	1858	1050	619	630	969	212
	f	93	1847	1290	660	643	978	211
18.6	f	94	1871	400	710	700	933	210
	f	95	1861	500	517	521	940	210
	f	96	1860	795	679	740	949	210
	f	97	1861	970	760	750	952	210
	f	98	1872	1320	711	720	990	210
18.8	f	99	1890	533	760	760	910	217
	fp	39	1885	593	692	—	950	210
	f	100	1889	599	725	729	950	210
	f	101	1882	978	669	685	960	212
	fp	40	1880	1160	549	—	972	213
	f	102	1880	1385	440	448	1003	211

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Cl.-Dk.	Defl.-Lt.	Defl.-Dk	Reduced	Reduced	Magn.	L. No.
698	349	350	501	502	7.60, 7.61	
718	516	—	720	—		679 ✓
737	498	—	678	—		688 ✓
730	400	—	547	—		763 ✗
732	120	122	164	168	6.15, 6.18	
760	541		711	—		875 ✗
760	211	211	277	277	6.84, 6.84	
759	71	70	92	93	5.49, 5.50	
735	523	551	710	748	8.17, 8.27	
718	405	433	563	601	7.77, 7.87	
712	80	84	112	124	5.70, 5.83	
713	421	425	593	598	7.84, 7.86	
729	470		643			647 ✗
728	520	—	702	—		765 ✓
723	504	506	697	699	8.11, 8.12	
731	120	133	164	182	6.15, 6.30	
735	455	483	611	657	7.90, 8.02	
757	407	418	536	551	7.69, 7.73	
767	449	432	592	569	7.84, 7.77	
723	500	490	692	678	8.12, 8.07	
734	307	311	415	421	7.33, 7.36	
739	469	530	634	718	7.96, 8.19	
742	550	540	740	727	8.25, 8.21	
780	501	510	641	653	7.99, 8.02	
693	543	543	778	778	off curve	
740	482	—	658	—		664 ✗
740	515	519	697	700	8.12, 8.13	
748	457	473	602	630	7.88, 7.94	
769	336	—	442	—		1169 ✓
792	229	237	290	300	6.90, 6.94	

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FMC BH 651 Jan. 7, 1920

Grp	class	star	y	x	Diff	Diff	d	Dd
19.0	f	103	1901	343	730	731	936	212
	f	104	1908	450	489	510	950	212
	p	41	1912	569	582	—	920	212
	f	105	1910	1260	602	592	970	211
	f	106	1911	1345	578	610	970	210
19.2	f	107	1908	1162	632	640	967	215
	f	108	1930	1323	699	720	990	215
	p	42	1921	1380	690	—	989	211
19.4	f	109	1940	983	705	741	940	210
	f	110	1940	829	621	652	950	212
	p	43	1950	939	610	—	940	210
	f	111	1945	1088	663	670	978	210
	f	112	1940	1341	235	239	979	212
19.6	f	113	1963	495	692	660	955	219
	p	44	1960	541	460	—	948	218
	f	114	1960	560	540	580	950	211
	p	45	1960	621	400	—	950	218
	f	115	1972	1188	720	790	985	210
	f	116	1978	1293	901	915	980	218
	f	117	1970	1321	699	680	988	215
	f	118	1968	1351	410	410	982	220
	f	119	1970	1360	480	481	980	211
	f	120	1970	1410	511	522	990	215
	p	46	1970	1415	693	—	1015	219
		15	2089	986	220	—	930	219
		1	1723	953	239	—	962	218
		2	—	—	259	—	968	215
		3	—	—	285	—	970	217
		4	—	—	930	—	950	219
		5	—	—	360	—	960	215
		6	—	—	488	—	939	220
		7	—	—	529	—	955	220
		8	—	—	730	—	952	220

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C.-Dk	Diff. Dk	Diff. Dk.	Reduced	Reduced	Magn.	L. Ko
724	518	519	715	715	8.18, 8.18	
738	277	298	044	404	7.19, 7.30)	
708	370	—	522	—		642 ✓
759	391	381	513	501	7.63, 7.60	
760	368	400	485	527	7.54, 7.66	
752	417	425	553	564	7.73, 7.77	
775	484	505	622	647	7.92, 7.99	
778	479	—	614	—		1176 ✓
730	495	531	688	728	8.09, 8.22	
738	409	440	556	597	7.74, 7.86	
730	400	—	548	—		
768	453	460	587	598	7.83, 7.86	
767	23	27	30	35	4.40, 4.56	
736	473	441	640	598	7.97, 7.86	
730	242	—	330	—		606 ✓
739	329	369	446	502	7.43, 7.61	
732	182	—	248	—		625 ✓
775	510	520	658	670	8.02, 8.05	
762	83	97	104	108	5.61, 5.64	
773	484	465	626	602	7.93, 7.87	
762	190	190	250	258	6.72, 6.72	
769	269	270	350	351	7.11, 7.12	
775	296	307	382	396	7.23, 7.26	
796	474	—	593	—		1201 ✓
711	01	—	01	—		
744	21	—	28	—		
753	44	—	58	—		
753	68	—	90	—		
731	111	—	151	—		
745	145	—	196	—		
719	268	—	314	—		
735	309	—	420	—		
732	510	—	697	—		

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FMC RH 651 Jan. 8, 1920

Mag	Class	Star	y	x	Dyf	Dyf	d	Dh	Volt
		1s	2089	900	240	—	1129	235	
		1	1723	915	900	—	1140	240	
		2	—	—	909	—	1159	239	
		3	—	—	960	—	1175	235	
		4	—	—	450	—	1140	240	
		5	—	—	490	—	1152	240	
		6	—	—	625	—	1139	240	
		7	—	—	680	—	1130	238	
		8	—	—	880	—	1148	240	
19.8	f	121	1990	702	881	880	1106	250	
	p	47	1990	630	790	—	1110	250	
	p	48	1990	698	527	—	1135	248	
	p	49	1980	1070	690	—	1170	245	
	f	122	1979	1130	829	829	1169	248	
	p	50	1985	1148	850	—	1171	249	
	p	51	1981	1323	618	—	1181	248	
20.0	f	123	2019	239	732	750	1145	241	
	p	52	2011	418	881	—	1135	248	
	p	53	2010	500	765	—	1123	245	
	f	124	2001	1008	880	870	1160	248	
	f	125	2000	1325	700	760	1182	248	
20.2	f	126	2020	653	760	800	1130	249	
	f	127	2022	871	430	440	1159	248	
	f	128	2039	960	525	529	1162	245	
	f	129	2038	1044	900	930	1160	249	
	f	130	2020	1300	780	741	1192	250	
	f	131	2029	1340	630	698	1210	250	
20.4	f	132	2053	965	809	818	1155	250	
	f	133	2050	500	752	761	1125	251	
	p	54	2050	502	719	—	1129	251	

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1929phae.proj.12720

Q.-Dk.	Defl.-Dk.	Defl.-Dk.	Red. Defl.	Red. Defl.	Magn.	L. Vs.
874	05	—	06	—		
900	60	—	67	—		
920	70	—	76	—		
940	125	—	134	—		
900	210	—	233	—		
912	250	—	273	—		
899	385	—	428	—		
892	442	—	492	—		
908	640	—	703	—		
856	631	630	729	739	8.23, 8.26	
860	540	—	628	—		601 ✗
887	279	—	314	—		627 ✓
825	445	—	538	—		1171 ✓
921	581	581	630	630	7.93, 7.93	
822	601	—	722	—		1189 ✓
933	370	—	396	—		1208 ✗
904	491	509	540	561	7.63, 7.71	
887	633	—	712	—		
878	520	—	596	—		587 ✓
912	632	622	692	680	8.11, 8.08	
934	502	512	534	544	7.61, 7.64	
881	511	551	573	621	7.74, 7.90	
911	182	192	196	214	6.09, 6.22	
911	280	284	306	309	6.68, 6.70	
911	651	681	713	746	8.19, 8.27	
942	530	491	561	520	7.72, 7.56	
960	380	388	396	405	7.08, 7.13	
905	559	568	680	621	7.86, 7.91	
874	501	510	572	571	7.73, 7.72	
878	468	—	534	—		570 ✓

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1929phae.proj.12720

20 FMC RH 651 Jan. 8, 1930

strip	class	star	y	x	Diff	Diff	cl	Sh	Vall
20.4	f	134	2049	506	325	330	1128	250	
	f	135	2050	719	885	910	1149	250	
	f	136	2059	930	848	848	1145	251	
	f	137	2041	1085	519	510	1169	251	
	p	55	2049	1219	765	—	1180	251	
	p	56	2040	1231	532	—	1182	251	
	p	57	2052	1253	628	—	1195	250	
20.6	f	138	2070	317	520	520	1120	250	
	f	139	2061	433	590	604	1130	251	
	f	140	2070	590	455	455	1120	250	
	f	141	2078	731	835	860	1160	252	
	f	142	2059	900	748	740	1145	252	
	f	143	2070	980	790	795	1169	253	
	f	144	2079	1179	652	668	1200	255	
20.8	f	145	2090	780	760	780	1152	258	
	p	58	2089	1172	823	—	1200	255	
	p	59	2090	1200	550	—	1223	260	
	f	146	2080	1282	742	740	1215	260	
	f	147	2085	1372	817	830	1229	262	
		1S	2089	950	270		1140	260	
		1	1723	915	300		1165	261	
		2	—	—	345		1185	260	
		3	—	—	370		1180	255	
		4	—	—	460		1160	260	
		5	—	—	495		1178	261	
		6	—	—	631		1152	262	
		7	—	—	705		1158	260	
		8	—	—	910	—	1169	261	

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1929phae.proj.12720

α - Dec.	Defl. - Dec	Defl - Dec	Red. - Defl.	Red. Defl.	Magn.	2. Ns.
878	75	80	85	91	5.09, 5.20	
899	635	660	708	734	8.16, 8.26	
894	597	597	668	668	8.03, 8.03	
918	268	259	323	282	6.77, 6.59	
929	514	—	553			
931	281	—	302	—		1242 ✓
945	378	—	400	—		1251 ✓
870	270	270	311	311	6.72, 6.72	
879	339	453	385	513	7.04, 7.55	
870	205	205	235	235	6.84, 6.84	
908	583	608	640	670	7.96, 8.05	
893	491	488	548	543	7.66, 7.64	
916	537	542	583	591	7.77, 7.80	
945	397	408	418	431	7.18, 7.23	
894	502	522	560	581	7.71, 7.77	
945	568	—	600	—		
963	290	—	302	—		1271 ✗
955	482	480	503	501	7.51, 7.50	
967	555	568	572	584	7.74, 7.78	
880	10	—	11	—		
904	39	—	43	—		
925	85	—	97	—		
925	115	—	124	—		
900	200	—	222	—		
912	234	—	256	—		
890	369	—	415	—		
898	445	—	497	—		
908	640	—	707	—		

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1929phae.proj.12710

22

Hyp - RH 651 - Jan 8, 1930

Strip	Class	Star	η	ζ	Dγδ	Dγδ	α	Dk	Plate
		10	2089	950	260	—	1132	246	505
		1	1723	915	299	—	1159	248	
		2	—	—	350	—	1203	251	
		3	—	—	391	—	1200	248	
		4	—	—	446	—	1150	243	
		5	—	—	529	—	1159	250	
		6	—	—	656	—	1138	242	
		7	—	—	690	—	1158	250	
		8	—	—	911	—	1182	250	
21.0		148	2097	361	929	951	1147	250	
		149	2109	389	1022	1019	1142	251	
		60	2108	549	940	—	1151	247	
		150	2102	624	882	882	1159	259	
		151	2110	749	1048	1070	1159	251	
		152	2112	757	1028	1039	1163	257	
		153	2099	807	489	501	1170	258	
		154	2110	937	1000	1037	1172	259	
		155	2102	1167	1070	1090	1222	260	
		61	2100	1193	1020	—	1221	261	
		156	2102	1197	1029	991	1216	253	
		62	2110	1197	1000	—	1205	260	
		157	2105	1340	1033	1053	1239	262	
		158	2102	1374	1062	1129	1249	259	
21.2		159	2120	360	1040	1035	1172	253	
		160	2131	369	992	1012	1187	262	
		161	2127	552	945	988	1169	255	
		162	2120	620	1057	1083	1183	260	
		163	2120	763	1060	1099	1183	260	
		164	2132	822	858	892	1177	256	
		165	2131	915	857	910	1173	262	

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1929phae.proj.12720

α-Dk.	Deff-Dk	Deff-Dk	Red. Dff	Red. Deff	Magnt	L. No.
886	14	—	16	—		
911	51	—	56	—		
952	99	—	104	—		
952	143	—	150	—		
907	203	—	224	—		
909	279	—	308	—		
896	414	—	463	—		
908	440	—	485	—		
932	661	—	709	—		
897	679	701	756	782	8.39, 8.51	
891	771	768	863	860	off curve	
904	693	—	763	—		
900	623	623	692	692	8.16, 8.16	
908	797	819	878	901	off curve	
906	771	782	851	863	off curve	
912	231	243	254	265	6.31, 6.36	
913	741	778	811	852	off curve	
962	810	830	841	862	off curve	
960	759	—	790	—	off curve, 8.43	
963	776	738	805	767	↓	
945	740	—	782	—		
944	771	791	793	813	off curve	
990	803	870	811	879	off curve	
919	787	782	854	850	off curve	
925	730	750	789	810	8.50, off curve	
914	690	728	752	794	8.40, off curve	
923	797	823	860	890	off curve	
923	860	839	867	910	off curve	
921	602	636	651	690	8.02, 8.15	
911	595	648	653	718	8.02, 8.23	

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1929phae.proj.12710

24

Hyp-RA657 — Jan. 8, 1930

Strip	Class	Star	y	x	Defl	Defl	cl	Dk	Volts
	p	63	2120	1008	1060	—	1197	260	
		166	2121	1052	776	880	1208	261	
		167	2129	1108	1006	1003	1228	262	
		168	2132	1238	852	880	1240	261	
		169	2122	1253	1119	1110	1217	251	
		170	2130	1259	1056	1083	1230	257	
		171	2116	1301	1021	1060	1229	257	
	p	64	2120	1319	952	—	1240	259	
21.4		172	2141	321	1000	1023	1200	252	
	p	65	2105	390	431	—	1093	257	
	p	66	2140	401	869	—	1160	258	
		173	2143	487	483	490	1151	252	
		174	2151	499	1010	1027	1170	260	
	p	67	2140	537	939	—	1158	260	
		175	2140	542	919	923	1150	254	
	p	68	2150	639	948	—	1161	259	
	p	69	2141	968	1023	—	1202	259	
		176	2140	997	1031	1057	1205	263	
		177	2151	1032	640	650	1186	261	
	p	70	2142	1164	1047	—	1217	263	
		178	2149	1211	891	922	1206	260	
		179	2152	1209	1070	1083	1210	261	
	p	71	2148	1228	990	—	1228	257	
	p	72	2150	1353	860	—	1249	261	
21.6	p	73	2169	328	1072	—	1181	262	
		180	2170	524	1030	1059	1184	257	
		181	2170	657	934	973	1176	260	
		182	2172	903	992	1016	1195	260	
		183	2170	908	1063	1078	1223	259	
		184	2176	970	999	1042	1206	253	

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1929phae.proj.12720

Cl.-Dk.	Defl.-Dk.	Defl.-Dk	Reduced	Reduced	Magn.	Z. No.
937	800	—	855			
947	515	569	545	600	7.63, 7.83	
966	744	741	770	766	8.45, 8.43	
979	591	619	604	623	7.84, 7.92	
966	868	859	898	889	off curve	
973	799	826	820	850	off curve	
972	764	803	785	825	8.51, off curve	
981	693	—	705	—		
948	748	771	790	811	8.52, off curve	
836	174	—	208	—		536 ✗
902	611	—	676	—		541 ✓
899	231	238	256	264	6.30, 6.36	
910	750	767	825	845	off curve	
898	679	—	755	—		
896	665	669	741	747	8.34, 8.37	
962	689	—	765	—		416 ✗
943	764	—	810	—		111 ✗
942	768	794	819	840	off curve	
925	379	389	410	420	7.08, 7.12	
954	784	—	820	—		
946	631	662	665	698	8.06, 8.18	
949	809	822	853	865	off curve	
971	733	—	755	—		
985	599	—	609	—		
919	810	—	880	—		
927	773	802	835	865	off curve	
916	677	713	738	776	8.33, 8.47	
935	732	756	782	808	8.51, off curve	
964	804	819	835	850	off curve	
963	746	789	784	829	8.51, off curve	

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XP-RH 651 - Jan 8, 1930

Strip	Class	Star	y	x	Defl.	Defl.	Cl.	Dk.	Volts
		185	2170	990	880	803	1190	255	
		186	2171	1023	1078	1092	1204	261	
		187	2158	1047	1041	1073	1203	261	
		74	2162	1137	671	—	1216	263	
		75	2160	1253	963	—	1239	259	
		188	2160	1269	1120	1150	1248	253	
21.8		189	2195	408	957	942	1162	251	
		190	2197	427	291	300	1140	253	
		191	2180	716	1081	1092	1170	258	
		76	2190	760	1098	—	1173	252	
		192	2179	916	1013	1009	1178	251	
		193	2182	928	753	823	1170	251	
		194	2190	1046	870	880	1217	253	
		77	2189	1144	1049	—	1207	257	
		78	2192	1212	353	—	1192	250	
		195	2190	1259	1057	1080	1211	253	
		79	2197	1268	1057	—	1243	252	
		80	2183	1331	1029	—	1226	259	
		81	2182	1341	1050	—	1242	253	
		10	2089	950	260	—	1151	253	
		1	1723	915	310	—	1169	253	
		2	—	—	350	—	1228	261	
		3	—	—	431	—	1232	259	
		4	—	—	470	—	1181	258	
		5	—	—	500	—	1192	261	
		6	—	—	661	—	1179	261	
		7	—	—	701	—	1180	260	
		8	—	—	730	—	1182	260	580

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1929phae.proj.12720

Cl-Dk.	Defl-Dk.	Defl-Dk	Reduced	Reduced	Magn.	L. Ks.
935	625	598	667	640	8.16, 7.96	
943	817	831	864	881	off curve	
942	780	812	828	862	off curve	
953	408	—	428	—		62 ✓
974	704	—	723	—		
995	867	897	874	906	off curve	
901	706	691	783	762	8.51, 8.42	
887	38	47	43	53	3.94, 4.20	
912	823	834	902	913	off curve	
921	846	—	918	—		398 ✗
927	762	758	822	816	off curve	
919	502	572	544	622	7.63, 7.92	
964	617	627	639	650	7.98, 8.01	
950	792	—	833	—		
942	103	—	109	—		56 ✓
958	804	827	841	865	off curve	
991	805	—	814	—		42 ✗
967	770	—	794	—		
989	797	—	807	—		
898	07	—	06	—		
916	57	—	62	—		
967	89	—	92	—		
973	172	—	176	—		
923	212	—	228	—		
931	239	—	257	—		
918	400	—	436	—		
920	441	—	479	—		
922	670	—	725	—		

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1929phae.proj.12720

M.R.D RH 651 Jan. 9, 1930

Strip	Class	Star	y	x	Defl	Defl	Cl	Dk	Vel
		1S	2089	975	275	—	770	262	5.1
		1	1723	942	310	—	807	280	
		2	—	—	330	—	850	290	
		3	—	—	350	—	838	284	
		4	—	—	405	—	810	285	
		5	—	—	438	—	820	291	
		6	—	—	570	—	805	300	
		7	—	—	555	—	820	295	
		8	—	—	665	—	820	298	
22.0	p	82	2210	400	620	—	800	270	
		196	2200	767	635	638	810	270	
		197	2201	869	355	360	799	265	
		198	2210	880	630	640	790	265	
		199	2200	1110	510	530	800	270	
		200	2203	1149	548	570	815	272	
22.2		201	2225	769	505	518	790	270	
		202	2202	1109	512	519	805	270	
		83	2220	1144	640	—	804	270	
		203	2230	1184	644	647	815	270	
22.4		204	2252	423	355	360	800	269	
		205	2238	560	648	647	780	270	
		206	2255	648	595	601	788	275	
		207	2239	819	320	310	805	276	
		208	2250	925	600	602	810	273	
		209	2240	1111	580	590	813	270	
		210	2249	1307	555	548	828	269	
		211	2250	1320	485	490	835	274	
		1S	2089	975	280	—	780	275	
		1	1723	942	300	—	790	280	
		2	—	—	310	—	820	273	

Did Ref King readjust the wgs?

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Cl-Dk	Deff-Dk.	Deff-Dk	Reduced	Reduced	Magn.	L. No.
508	13	—	26	—		
527	30	—	56			
560	40	—	72	—		
554	66	—	118	—		
525	120	—	228	—		
529	147		278			
505	210	—	413	—		
525	260	—	494	—		
522	367	—	702	—		
530	350	—	658	—		523
540	365	368	664	668	8.03, 8.05	
534	90	95	168	177	5.96, 6.00	
525	365	375	693	713	8.12, 8.21	
530	240	260	453	490	7.30, 7.44	
543	276	298	507	549	7.49, 7.64	
520	235	248	452	479	7.30, 7.39	
535	242	249	450	466	7.29, 7.35	
534	370		691			
545	374	377	687	695	8.09, 8.14	
531	86	91	162	171	5.93, 5.98	
510	378	377	744	742	8.30, 8.29	
513	320	326	612	636	7.87, 7.94	
529	44	34	83	64	5.21, 4.89	
537	327	329	610	612	7.86, 7.87	
543	310	320	571	590	7.72, 7.79	
559	286	379	511	676	7.51, 8.07	
561	211	216	374	384	6.99, 7.03	
505	05	—	10	—		
510	20	—	39	—		
547	37		68	—		

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30

M.R. RH651 Jan. 9, 1930

Strip	Class	Star	y	x	Deff	Deff	Cl	Dk.
		3	—	—	344	—	820	278
		4	—	—	382	—	800	270
		5	—	—	400	—	804	270
		6	—	—	490	—	790	275
		7	—	—	510	—	780	270
		8	—	—	657	—	798	270

FMC RH 651 Jan. 9, 1930

		1S	2089	975	218	—	1095	217
		1	1723	942	261	—	1113	218
		2	—	—	279	—	1139	212
		3	—	—	313	—	1148	213
		4	—	—	410	—	1120	225
		5	—	—	435	—	1129	222
		6	—	—	588	—	1117	227
		7	—	—	640	—	1125	225
		8	—	—	880	—	1125	225
22.6	f	212	2269	940	640	650	1129	222
	f	213	2260	531	718	710	1120	228
	f	214	2260	655	755	783	1123	225
	fp	84	2261	773	450	—	1110	223
	fp	85	2262	1083	799	—	1143	224
	f	215	2260	1211	828	810	1160	225
22.8	fp	86	2280	967	822	—	1120	223
	f	216	2281	369	851	880	1140	221
	f	217	2290	750	409	413	1112	225
	f	218	2291	1230	765	800	1153	225
23.0	fp	87	2317	571	719	—	1120	225
	fp	88	2313	650	530	—	1130	230
	f	219	2300	679	870	867	1120	230

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1929phae.proj.12720

Cl-Dk	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn.	L.N.
542	66	—	112	—		
530	112	—	210	—		
534	130	—	244	—		
515	215	—	427	—		
510	240	—	472	—		
528	384	—	732	—		
878	01	—	01	—		
895	43	—	48	—		
921	67	—	73	—		
935	100	—	106	—		
895	185	—	207	—		
907	213	—	234	—		
890	361	—	406	—		
900	415	—	465	—		
900	655	—	728	—		
907	418	428	463	477	7.39, 7.43	
892	490	482	549	540	7.66, 7.63	
898	530	558	591	622	7.80, 7.88	
887	227	—	256	—		376 ✓
919	575	—	625	—		
835	603	585	722	695	8.15, 8.08	
897	599	—	669	—		509 ✗
919	630	659	689	711	8.06, 8.13	
887	184	188	207	213	6.25, 6.30	
928	540	555	581	598	7.76, 7.81	
895	494	—	552	—		451 ✓
900	600	—	669	—		425 ✓
890	640	637	718	714	8.15, 8.13	

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1929phae.proj.12720

FMC RH 651 Jan. 9, 1920

Strip	class	star	y	x	Dyfe	Dxfe	d	Dh
23.0	f	220	2310	773	860	900	1110	229
	f	221	2308	968	885	400	1130	230
	f	222	2307	1070	671	689	1160	230
	fp	89	2310	1210	715	—	1160	230
	fp	90	2302	1281	860	—	1172	230
	f	223	2300	1350	590	635	1189	233
23.2	f	224	2330	364	862	890	1102	230
	fp	91	2319	423	489	—	1102	230
	fp	92	2320	815	719	—	1140	230
	fp	93	2331	1028	970	—	1130	230
	f	225	2330	1331	719	730	1160	228
23.4	f	226	2353	548	691	718	1110	231
	f	227	2355	1065	598	620	1162	235
	f	228	2355	1159	730	740	1179	231
	fp	94	2340	1172	735	—	1175	230
	f	229	2340	1192	748	745	1150	231
	f	230	2358	1214	409	423	1170	230
23.6	fp	95	2370	479	818	—	1120	230
	f	231	2361	730	550	550	1128	230
	f	232	2378	753	790	780	1120	238
23.8	fp	96	2380	928	819	—	1155	245
24.0	f	233	2401	452	842	855	1120	240
	fp	97	2410	913	499	—	1143	231
24.2	fp	98	2430	552	473	—	1122	239
	f	234	2421	700	758	722	1120	232
	fp	99	2491	890	452	—	1140	231
	f	235	2420	1170	543	560	1170	231
24.4	f	236	2443	912	858	888	1139	233
	fp	100	2440	1013	563	—	1172	233
	fp	101	2451	1146	440	—	1175	235

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1929phae.proj.12700

Cl.-Dk	Defl.-Dk	Defl-Dk	Reduced	Reduced			
881	631	671	714	768	8.13, 8.26		
900	155	170	172	189	6.01, 6.11		
930	441	459	465	485	7.39, 7.46		
930	485	—	514	—		18	✗
942	630	—	669	—		490	✗
956	357	402	373	419	7.07, 7.22		
872	632	660	723	754	8.16, 8.25		
872	259	—	297	—		479	✗
810	489	—	602	—		338	✓
900	140	—	155	—		205	✓
932	491	502	527	539	7.59, 7.63		
879	460	487	523	554	7.59, 7.68		
927	363	385	391	415	7.12, 7.23		
948	499	509	532	547	7.62, 7.63		
945	585	—	588	—			
919	517	514	564	561	7.71, 7.70		
940	179	193	190	204	6.12, 6.24		
890	588	—	660	—			
898	320	320	355	356	6.97, 6.97		
882	552	542	622	620	7.87, 7.86		
910	574	—	631	—		274	✓
880	602	615	682	697	8.03, 8.07		
912	268	—	295	—		279	✓
883	234	—	265	—		426	✗
898	526	490	587	546	7.78, 7.65		
909	221	—	243	—		294	✓
939	312	329	322	350	6.84, 6.97		
906	625	655	689	722	8.06, 8.16		
939	330	—	352	—		240	✓
940	205	—	218	—		183	✗

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1929phae.proj.1272C

FMC R.A. 651 Jan. 9, 1930

trip	class	star	y	x	Dyfk	Dyfe	cl	Db
24.4	f	237	2459	1188	507	495	1178	238
24.6	f	238	2470	840	860	910	1149	235
	fp	102	2471	853	690	—	1143	234
24.8	f	239	2480	600	429	435	1120	239
	fp	103	2481	721	825	—	1129	242
	f	240	2479	830	818	825	1152	239
	f	241	2490	1059	695	685	1162	230
	f	242	2480	1180	661	698	1180	237
25.0	fp	104	2510	971	698	—	1141	242
25.2	f	243	2521	650	810	810	1115	242
	f	244	2520	1121	941	951	1180	241
25.4	f	245	2542	733	770	795	1115	242
	f	246	2540	1080	661	680	1152	240
25.6	f	247	2570	900	795	790	1140	245
	f	248	2570	1001	640	652	1145	239
		IS	2089	975	240	—	1090	239
		1	1723	942	290	—	1110	240
		2	—	—	299	—	1130	242
		3	—	—	950	—	1150	250
		4	—	—	410	—	1115	250
		5	—	—	439	—	1130	250
		6	—	—	620	—	1110	245
		7	—	—	665	—	1110	240
		8	—	—	940	—	1129	250

Plate finished

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1929phae.proj.1272C

Cl.-Dk	Defl.-Dk	Defl-Dk	Reduced	Reduced	Magn.	L. No.
940	269	257	286	273	6.67, 6.61	
914	625	675	682	733	8.04, 8.19	
909	456	—	502	—		
881	190	196	215	222	6.30, 6.24	
887	583	—	656	—		
913	579	586	635	640	7.93, 7.94	
932	465	455	497	488	7.49, 7.47	
943	424	451	450	479	7.34, 7.46	
899	456	—	508	—	264 X	
873	568	568	650	651	7.96, 7.97	
939	100	110	107	117	5.43, 5.53	
873	528	553	606	632	7.84, 7.91	
912	421	440	460	482	7.38, 7.46	
895	550	545	613	609	7.86, 7.84	
906	401	413	443	454	7.31, 7.36	
851	01	—	01	—		
870	50	—	57	—		
888	57	—	64	—		
900	100	—	117	—		
865	160	—	185	—		
880	189	—	215	—		
865	375	—	433	—		
870	425	—	489	—		
879	690	—	786	—		

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1929phae.proj.12720

HJP - RH 885 - Jan. 9, 1930

Strip	Class	Star	y	x	Dyll	Dyll	cl	Dk	Notes
		10	2030	947	277	—	1193	278	490
		1	1730	739	302	—	1213	283	
		2	—	—	320	—	1230	289	
		3	—	—	359	—	1238	292	
		4	—	—	387	—	1250	296	
		5	—	—	441	—	1238	293	
		6	—	—	613	—	1248	303	
		7	—	—	692	—	1254	300	
		8	—	—	973	—	1253	306	
14.8	p	1	1490	673	929	—	1262	304	
		1	1484	681	1054	1049	1287	308	
		2	1480	749	1141	1134	1283	310	
		3	1491	828	1047	1020	1290	316	
		4	1472	859	1072	1093	1290	319	
	p	2	1487	879	1168	—	1288	321	
		5	1472	892	513	510	1306	318	
		6	1486	925	991	981	1283	318	
		7	1490	996	1120	1168	1302	321	
15.0	p	3	1507	733	1042	—	1287	322	
		8	1508	802	1120	1099	1305	323	
		9	1504	848	1082	1080	1291	321	
		10	1502	895	369	367	1288	320	
		11	1502	881	1102	1179	1279	322	
		12	1498	890	834	861	1292	321	
		13	1510	890	990	969	1308	314	
		14	1512	909	907	922	1300	320	
		15	1502	928	1082	1067	1308	328	
15.2	p	4	1520	711	1112	—	1290	329	
		16	1530	753	802	820	1289	329	
		17	1531	824	1093	1106	1309	317	

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1929phae.proj.12722

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn. & No.
915	−1	—	−1	—	
930	19	—	20	—	
941	31	—	33	—	
946	67	—	71	—	
954	91	—	95	—	
945	148	—	156	—	
945	310	—	328	—	
954	392	—	410	—	
947	667	—	702	—	
958	625	—	652	—	911
979	746	741	961	957	8.37, 8.35
973	831	827	852	850	off curve
974	731	704	749	721	8.36, 8.30
971	753	774	772	793	8.41, off curve
967	847	—	876	—	
988	195	192	199	194	6.60, 6.58
965	673	663	698	688	8.25, 8.22
981	799	847	810	860	off curve
965	720	—	743	—	
982	797	776	810	789	off curve
970	761	759	783	782	8.42, 8.41
968	49	47	50	49	5.21, 5.20
957	780	857	815	896	off curve
971	513	540	528	557	7.86, 7.93
992	676	655	682	661	8.21, 8.18
980	587	602	598	614	8.01, 8.06
980	754	739	769	754	8.40, 8.36
961	793	—	823	—	
960	473	491	493	512	7.77, 7.82
992	776	784	782	796	8.41, off curve

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1929phae.proj.12720

Zgp - R H 8 5 5 - Jan 9, 1930

Type	Class	Star	y	x	Dyll	Dyll	Cl	Dk Bets
p		5	1531	918	1010	—	1149	328
f		18	1538	926	518	567	1301	321
p		6	1530	963	576	—	1288	322
f		19	1521	973	533	524	1327	330
f		20	1521	978	520	527	1313	331
p		7	1520	992	753	—	1313	330
f		21	1518	1037	1101	1073	1322	329
f	15.4	22	1550	584	1139	1147	1293	321
f		23	1550	600	1207	1198	1309	329
p		8	1543	724	789	—	1300	334
f		24	1547	922	480	490	1303	329
p		9	1549	1053	1082	—	1313	332
f		25	1549	1088	703	701	1304	337
p		10	1547	1131	942	—	1310	333
p	15.6	11	1561	689	1003	—	1273	320
f		26	1559	849	1178	1170	1313	316
f		27	1560	892	1100	1102	1293	320
f		28	1570	900	1142	1162	1309	318
f		29	1569	928	44	440	1301	313
p		12	1570	972	1127	—	1293	319
p		13	1571	974	770	—	1296	318
p		14	1570	1203	673	—	1287	317
p	15.8	15	1590	614	973	—	1280	321
p		16	1587	649	1129	—	1283	317
f		30	1586	737	1020	1018	1290	312
f		31	1580	1050	363	362	1300	320
f		32	1590	1072	1072	1180	1270	323
p		17	1581	1178	1051	—	1313	319
p		18	1584	1181	1200	—	1300	323
f		33	1588	1189	981	1030	1302	329

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1929phee.proj.12220

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
821	682	—	890	—		
980	197	246	202	251	6.63, 6.90	
966	254	—	263	—		1020 X
997	203	194	204	195	6.64, 6.58	
983	190	197	193	200	6.59, 6.61	
983	423	—	432	—		1043 X
993	772	744	777	750	8.41, 8.36	
972	818	826	842	850	off curve	
980	878	769	896	785	off curve!	
966	455	—	472			926 X
974	157	161	155	166	6.36, 6.43	
981	750	—	764	—		
967	366	364	377	345	7.40, 7.39	
977	609	—	624	—		1110 X
953	683	—	716	—		
997	862	854	863	857	off curve	
973	780	782	803	804	off curve	
991	824	844	832	852	off curve	
988	128	127	129	128	6.14, 6.13	
974	808	—	830	—		1044 X
978	452	—	461	—		
970	356	—	367	—		1141 X
959	652	—	680	—		392 X
966	812	—	840	—		
978	708	706	724	722	8.30, 8.28	
980	43	42	44	43	5.13, 5.12	
947	749	857	790	905	off curve	
994	732	—	737	—		
977	871	—	849	—		
979	658	707	673	728	8.21, 8.30	

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1929phae.proj.12710

Zyl - R.A. 885 - Jan. 9, 1930

40

Strip	Class	Star	y	x	Diff	Diff	Cl	Dk Pts
		34	1580	1208	902	902	1303	327
16.0	p	19	1600	470	703	—	1398	321
		35	1612	541	859	840	1292	321
		36	1610	598	1182	1201	1321	327
		37	1609	745	1009	1003	1293	322
		38	1604	967	617	610	1313	329
	p	20	1610	1213	1213	—	1326	334
16.2	p	21	1621	593	940	—	1330	334
		39	1627	861	1202	1227	1307	339
	p	22	1631	917	1170	—	1299	333
		40	1617	1131	1020	1038	1309	329
		41	1637	1131	1060	1060	1322	330
		42	1623	1261	793	763	1308	331
16.4	p	23	1653	413	788	—	1357	330
		43	1642	417	991	900	1360	327
		44	1653	498	838	845	1310	327
		45	1648	697	997	980	1289	328
	p	24	1649	718	829	—	1297	327
		46	1650	746	1191	1169	1302	331
		47	1641	1160	849	860	1312	330
		48	1650	1161	939	928	1310	329
		49	1640	1231	1103	1091	1306	330
	p		1650	1232	760	—	1308	331
		10	2030	947	331	—	1251	329
		1	1730	739	341	—	1267	323
		2	—	—	300	—	1300	370
		3	—	—	417	—	1309	323
		4	—	—	429	—	1310	376
		5	—	—	503	—	1287	323
		6	—	—	639	—	1279	321
		7	—	—	711	—	1306	317
		8	—	—	1010	—	1280	309

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1929phae.proj.12721

Q.-Dk	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn	L. No.
976	575	575	528	528	7.86, 7.86	
1017	382	—	376	—		844 ✗
971	538	519	554	535	7.93, 7.86	
994	855	874	862	880	off curve	
971	677	671	696	690	8.24, 8.22	
984	288	281	391	387	7.46, 7.44	
992	879	—	886	—		
996	606	—	609	—		880 ✗
968	863	888	891	918	off curve	
966	837	—	866	—		1029 ✗
970	681	699	703	721	8.27, 8.30	
992	730	730	738	738	8.33, 8.33	
977	462	492	473	441	7.41, 7.61	
1027	458	—	447	—		809 ✗
1033	604	573	585	555	7.99, 7.92	
983	511	518	519	527	7.83, 7.86	
961	669	652	696	678	8.25, 8.21	
970	502	—	518	—		387 ✗
971	860	838	884	862	off curve	
982	519	530	530	540	7.86, 7.89	
981	610	599	622	611	8.09, 8.07	
976	773	761	791	780	off curve, 8.41	
977	429	—	440	—		
922	2	—	2	—		
944	18	—	19	—		
980	30	—	31	—		
986	94	—	96	—		
984	97	—	99	—		
964	180	—	187	—		
958	318	—	332	—		
989	394	—	398	—		
971	701	—	722	—		

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1929phae.proj.12720

42

FMC R+885 Jan. 10, 1930

strip.	class	star	y	x	Dyff	Dyff	α	Δt	obst
		1S	0030	980	000	—	1172	191	
		1	1730	775	229	—	1169	191	
		2	—	—	255	—	1170	195	
		3	—	—	900	—	1181	192	
		4	—	—	930	—	1150	195	
		5	—	—	427	—	1162	190	
		6	—	—	611	—	1169	217	
		7	—	—	651	—	1180	213	
		8	—	—	902	—	1190	215	
16.8		50	1680	819	810	810	1188	209	
		51	1698	948	798	790	1178	210	
		52	1689	1197	235	230	1183	210	
		25	1695	1241	835	—	1209	211	
		53	1697	1280	785	782	1185	210	
17.0		54	1710	620	548	530	1179	210	
		55	1708	830	655	643	1202	211	
		26	1702	1335	925	—	1220	210	
		56	1708	1393	615	593	1230	205	
17.2		27	1730	428	850	—	1268	211	
		57	1731	734	900	917	1205	211	
		58	1731	780	740	760	1201	210	
		59	1733	1040	803	810	1183	211	
		60	1730	1051	459	440	1180	215	
		28	1735	1370	740	—	1250	210	
17.4		61	1741	472	819	810	1230	210	
		62	1740	940	660	665	1181	219	
		29	1753	1254	559	—	1205	213	
17.6		30	1760	512	810	—	1243	215	
		31	1760	560	570	—	1210	215	
		63	1760	829	898	883	1180	219	

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1929phae.proj.12720

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	L. No.
981	9	—	9	—		
978	38	—	39	—		
975	60	—	62	—		
989	108	—	109	—		
955	135	—	142	—		
972	237	—	243	—		
952	394	—	414	—		
967	438	—	453	—		
975	687	—	707	—		
979	601	601	615	615	7.96, 7.96	
968	583	580	603	600	7.93, 7.87	
973	25	25	26	26	3.82, 3.82	
898	624	—	695	—		176
975	575	572	591	586	7.89, 7.84	
969	338	320	350	331	6.94, 6.88	
991	444	432	448	436	7.33, 7.28	
1010	115	—	114	—		
1025	410	388	400	381	7.15, 7.06	
1057	639	—	605	—		
996	689	706	691	707	8.24, 8.27	
991	530	550	535	555	7.85, 7.94	
972	592	599	610	617	7.94, 7.96	
965	244	225	251	234	6.50, 6.41	
1040	530	—	509	—		1235
1020	609	600	596	587	7.87, 7.84	
968	447	452	461	466	7.38, 7.49	
993	346	—	348	—		1208
1028	595	—	578	—		790
995	355	—	368	—		805
961	679	664	707	691	8.29, 8.24	

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1929phae.proj.12720

FMC R+885 Jan. 10, 1930

trip	class	star	y	x	Dyfe	Dyfe	ce	Dh	Volt
17.6	p	32	1761	1030	660	—	1189	212	
	p	33	1760	1156	730	—	1190	215	
		64	1770	1173	820	805	1198	217	
17.8		65	1779	572	910	960	1212	213	
		66	1795	1402	860	875	1230	220	
18.0		67	1812	826	910	884	1190	220	
		68	1808	999	498	478	1195	213	
		69	1805	1029	780	760	1190	218	
		70	1810	1150	881	860	1190	210	
		71	1809	1181	960	932	1195	213	
		72	1804	1370	335	318	1240	218	
18.2		73	1820	962	769	720	1270	220	
		74	1830	378	878	871	1273	220	
		75	1830	785	723	760	1189	220	
		76	1830	953	378	971	1199	217	
		18	2030	980	230	—	1150	220	
		1	1730	775	263	—	1188	220	
		2	—	—	282	—	1187	219	
		3	—	—	340	—	1198	219	
		4	—	—	392	—	1168	218	
		5	—	—	460	—	1185	220	
		6	—	—	619	—	1172	220	
		7	—	—	671	—	1187	215	
		8	—	—	912	—	1185	215	

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1929phae.proj.12720

α-Dk	Defl-Dk	Defl-Dk	Red Defl.	Red. Defl.	Mag.	L. No.
977	448	—	460	—		
975	515	—	487	—		1160 X
981	603	588	614	600	7.97, 7.89	
999	697	747	699	750	7.76, off curve	
1010	640	655	685	650	8.02, 7.57	
970	690	664	713	685	7.81, 8.20	
982	285	265	290	270	6.69, 6.58	
972	562	542	578	557	7.80, 7.76	
980	671	650	685	664	8.21, 8.13	
982	747	719	761	734	off curve, 8.39	
1022	117	100	114	97	5.61, 5.43	
1050	549	500	522	477	7.61, 7.46	
1053	658	651	625	618	7.99, 7.96	
969	573	540	520	558	7.61, 7.76	
982	161	154	164	—		
930	10	—	11	—		
968	43	—	45	—		
968	63	—	65	—		
979	121	—	124	—		
950	174	—	183	—		
965	240	—	249	—		
952	399	—	418	—		
972	456	—	470	—		
970	697	—	720	—		

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1929phae.proj.12720

Kgp - R 7 — 885 — Jan 10, 1930

Strip	Class	Star	y	x	Diffe	Diff	d	Dh	Val
		10	2030	980	218	—	1130	220	500
		1	1730	775	258	—	1187	227	
		2	—	—	280	—	1210	232	
		3	—	—	341	—	1222	240	
		4	—	—	370	—	1221	243	
		5	—	—	473	—	1210	250	
		6	—	—	614	—	1207	258	
		7	—	—	667	—	1238	259	
		8	—	—	940	—	1239	261	
18.4	f	77	1852	367	1070	1069	1249	274	
	p	34	1850	538	957	—	1279	277	
	f	78	1839	657	1051	1037	1261	280	
	f	79	1853	701	1090	1080	1259	271	
	f	80	1851	743	1020	1030	1270	279	
	f	81	1840	793	1142	1159	1273	282	
	f	82	1839	888	1057	970	1270	281	
	p	35	1841	1031	1063	—	1289	287	
	p	36	1845	1104	972	—	1258	300	
	f	83	1841	1189	749	751	1272	290	
	p	37	1851	1207	540	—	1283	291	
	p	38	1851	1291	692	—	1293	300	
	p	39	1840	1240	1019	—	1312	303	
	p	40	1840	1299	1120	—	1320	317	
	f	84	1852	1303	963	976	1310	310	
	p	41	1833	1335	1090	—	1328	312	
	p	42	1851	1431	1140	—	1360	309	
18.6	f	85	1877	387	830	840	1350	300	
	f	86	1870	414	750	739	1342	302	
	f	87	1863	429	923	927	1353	309	
	f	88	1858	431	947	948	1339	280	

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1929phae.proj.12200

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag	L. No
910	-2	—	—	—		
960	31	—	33	—		
978	48	—	49	—		
928	101	—	108	—		
978	127	—	130	—		
960	223	—	233	—		
949	356	—	374	—		
979	408	—	418	—		
978	679	—	693	—		
975	796	795	815	814	off curve	
1002	680	—	678	—		
981	771	757	784	770	off curve	
988	819	809	828	817	off curve	
991	741	751	748	759	8.33, 8.36	
991	860	877	868	884	off curve	
989	776	689	785	696	off curve, 8.21	
1002	776	—	775	—		
958	672	—	701	—		1189 ✓
982	459	461	468	470	7.54, 7.56	
992	239	—	234	—		1242 ✓
993	332	—	335	—		1251 ✓
1009	716	—	710	—		1244 ✓
1003	803	—	800	—		
1000	653	666	651	664	8.10, 8.13	
1016	778	—	766	—		
1051	791	—	752	—		
1050	530	540	505	513	7.67, 7.76	
1040	448	431	431	414	7.43, 7.37	
1044	614	618	586	592	7.91, 7.93	
1059	667	668	630	631	8.12, 8.04	

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1929phae.proj.12720

Dyf - RH 885 — Jan 10, 1920

Strip	Class	Star	Y	X	Dyfl	Dyfl. cl	dk Tot
		89	1875	737	799	840	1322 283
		90	1860	729	1181	1198	1334 281
		91	1860	443	1132	1113	1348 281
		92	1870	446	520	520	1306 277
		93	1858	457	574	578	1319 279
		94	1870	493	1110	1108	1251 282
		95	1869	531	787	807	1295 282
		96	1870	662	942	918	1262 273
		97	1861	747	920	920	1259 280
		98	1860	789	906	850	1260 281
p		43	1877	816	1039	—	1242 279
		99	1870	821	579	583	1260 270
		100	1862	893	1022	1039	1240 267
		101	1871	918	913	902	1213 270
		102	1860	1002	870	850	1247 262
		103	1874	1033	770	773	1243 252
p		44	1861	1198	923	—	1260 260
p		45	1877	1269	1129	—	1290 261
		104	1860	1369	1123	1146	1282 270
18.8		105	1890	304	1028	1039	1359 300
		106	1880	313	1230	1233	1383 301
		107	1892	321	824	788	1359 302
		108	1882	438	619	623	1340 302
		109	1880	441	993	990	1352 303
		110	1890	447	1062	1050	1361 303
		111	1887	504	1142	1138	1313 289
		112	1882	507	1092	1083	1319 283
		113	1889	540	1161	1170	1289 277
p		46	1890	563	958	—	1267 269
		114	1887	711	1141	1145	1272 270

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1929phae.proj.12220

Cl.-Dk	Defl.-Dk	Defl-Dk	Reduced	Reduced	Mag.	L. No.
1039	516	557	497	536	7.63, 7.77	
1053	900	917	854	870	off curve	
1067	851	832	798	782	off curve	
1029	242	243	237	237	6.54, 6.54	
1040	295	299	284	287	6.83, 6.85	
969	828	826	855	852	off curve	
1013	505	525	498	518	7.64, 7.68	
989	669	645	677	653	8.14, 8.10	
979	640	640	654	654	8.09, 8.09	
979	625	569	637	580	8.07, 7.89	
963	760	—	790	—		2035
990	309	313	314	315	6.97, 6.98	
973	755	772	776	793	off curve	
943	643	632	681	668	8.17, 8.14	
985	608	588	616	596	8.00, 7.95	
991	218	221	219	223	6.43, 6.45	
1000	463	—	463	—		1246
1029	868	—	845	—		
1012	853	876	843	864	off curve	
1059	728	739	689	698	8.19, 8.21	
1082	929	932	857	860	off curve	
1057	522	486	493	458	7.63, 7.51	
1038	317	321	306	309	6.94, 6.96	
1049	690	687	658	655	8.10, 8.09	
1058	759	747	717	706	8.27, 8.23	
1024	853	849	831	827	off curve	
1030	809	800	787	777	off curve	
1012	884	893	872	881	off curve	
998	689	—	690	—		
1002	871	875	868	872	off curve	

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1929phae.proj.12720

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HJP-RH 855 - Jan 10, 1930

Strip	Class	Star	y	x	Diff	Diff	a	dk	Notes
	p	47	1886	719	1149	—	1259	263	
	f	115	1890	915	1009	1020	1243	260	
	f	48	1878	1033	695	—	1272	270	
	f	116	1890	1088	872	871	1251	270	
	f	117	1889	1092	1178	1173	1276	290	
	f	118	1879	1111	1130	1137	1279	283	
	f	119	1881	1228	1122	1119	1296	283	
	p	49	1850	1319	1011	—	1320	287	
	p	50	1888	1264	882	—	1313	298	
19.0	f	120	1910	363	1157	1169	1392	310	
	f	121	1915	367	410	418	1363	304	
	f	122	1898	445	1102	1107	1329	302	
	f	123	1900	620	1079	1081	1291	296	
	p	51	1892	669	1092	—	1293	300	
	f	124	1911	861	819	798	1273	281	
	f	125	1908	871	1163	1150	1260	278	
	p	52	1909	884	1150	—	1270	273	
	f	126	1910	1031	1140	1151	1270	278	
	f	127	1901	1198	942	948	1269	281	
	p	53	1909	1202	539	—	1273	271	
	f	128	1901	1231	808	781	1310	280	
	f	129	1902	1332	1003	999	1310	281	
	f	130	1910	1389	956	940	1319	279	
		1s	2030	980	287	—	1206	272	
		1	1730	775	339	—	1299	272	
		2	—	—	341	—	1270	270	
		3	—	—	401	—	1263	272	
		4	—	—	447	—	1271	270	
		5	—	—	527	—	1261	280	
		6	—	—	672	—	1250	276	
		7	—	—	733	—	1256	281	
		8	—	—	980	—	1262	282	490

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1929phae.proj.12700

Cl. Dk.	Defl Dk	Defl Dk.	Reduced	Reduced	Magn.	L. h.
996	886	—	888	—		
983	749	760	763	774	off curve	
1002	425	—	424	—		1171 ✓
981	602	601	612	611	8.00, 7.99	
986	888	883	900	895	off curve	
996	847	854	850	857	off curve	
1013	839	836	827	825	off curve	
1033	724	—	700	—		
1015	584	—	575	—		
1082	847	859	782	794	off curve	
1059	106	114	100	108	5.34, 5.45	
1027	800	805	778	783	off curve	
995	783	783	786	786	off curve	
993	792	—	798	—		777 ✗
992	532	517	535	520	7.77, 7.72	
987	890	877	902	890	off curve	
997	877	—	879	—		1000 ✗
992	862	873	868	878	off curve	
988	661	667	668	675	8.13, 8.15	
1002	268	—	267	—		1279 ✓
1030	528	501	513	486	7.71, 7.61	
1029	722	718	702	698	8.23, 8.21	
1040	677	661	652	636	8.09, 8.05	
934	15	—	16	—		
961	67	—	70	—		
1000	71	—	71	—		
991	129	—	130	—		
1001	177	—	176	—		
981	247	—	251	—		
974	396	—	407	—		
975	452	—	464	—		
980	698		713			

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1929phae.proj.12720

52

MRD. Jan. 11, 1930 RH885

Strip	Class	Star	y	x	Defl	Defl	Cl	Dk	Volt
		1S	2030	973	160	—	1115	150	5.20
		1	1730	768	220	—	1180	152	
		2	—	—	250	—	1209	150	
		3	—	—	340	—	1225	157	
		4	—	—	368	—	1230	160	
		5	—	—	465	—	1215	165	
		6	—	—	635	—	1204	168	
		7	—	—	700	—	1230	170	
		8	—	—	935	—	1220	170	
19.2	f	131	1920	315	760	770	1318	175	
	f	132	1931	621	692	690	1230	180	
	f	133	1934	659	242	250	1224	180	
	fp	54	1920	669	930	—	1225	180	
	fp	55	1932	864	820	—	1220	185	
	f	134	1929	960	960	933	1220	181	
	f	135	1921	982	840	820	1225	185	
	f	136	1920	1119	710	702	1228	191	
	fp	56	1920	1167	870	—	1224	190	
	fp	57	1921	1392	700	—	1269	192	
		1S	2030	973	200	—	1150	190	
		1	1730	768	260	—	1178	190	
		2	—	—	280	—	1220	198	
		3	—	—	350	—	1220	194	
		4	—	—	400	—	1210	199	
		5	—	—	470	—	1210	200	
		6	—	—	630	—	1190	199	
		7	—	—	685	—	1213	195	
		8	—	—	920	—	1210	200	

5.18

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1929phae.proj.12720

d. Dk.	Deff-Dk.	Deff-Dk.	Reduced	Reduced	Magn.	L. No.
965	10	—	10	—		
1028	68	—	66	—		
1059	100	—	94	—		
1068	183	—	171	—		
1070	208	—	194	—		
1050	300	—	286	—		
1036	467	—	451	—		
1060	530	—	500	—		
1050	765	—	728	—		
1143	585	595	562	571	7.74, 7.78	
1050	512	510	487	486	7.47, 7.43	
1044	62	70	59	67	4.41, 4.59	
1045	750	—	717	—		765 ✓
1035	635	—	612	—		22 ✗
1039	779	752	750	723	8.34, 8.25	
1040	655	635	630	611	7.97, 7.91	
1037	519	511	500	497	7.51, 7.60	
1034	680	—	657	—		
1077	508	—	472	—		23 ✗
960	10	—	10	—		
988	70	—	71	—		
1022	82	—	80	—		
1026	156	—	152	—		
1011	201	—	198	—		
1010	270	—	267	—		
991	431	—	435	—		
1018	490	—	481	—		
1010	720	—	712	—		

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1929phae.proj.12720

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WJP - RH 885 - Jan. 11, 1930

Strip	Clouds	Star	y	x	Defl	Defl	cl	Dk	Volts
		10	2030	973	242	—	1210	232	520
		1	1730	768	300	—	1239	240	
		2	—	—	321	—	1259	241	
		3	—	—	397	—	1283	246	
		4	—	—	417	—	1260	242	
		5	—	—	529	—	1269	251	
		6	—	—	683	—	1263	251	
		7	—	—	749	—	1289	251	
		8	—	—	992	—	1281	253	
19.4		137	1950	503	1139	1150	1329	260	
		138	1953	538	1090	1117	1330	261	
		139	1940	584	1178	1154	1329	270	
		140	1940	632	1171	1170	1320	263	
		141	1957	631	1047	1042	1320	263	
		142	1951	640	1029	1171	1333	264	
		143	1946	719	1085	1077	1313	264	
		144	1940	1058	1120	1114	1336	270	
		145	1950	1061	802	820	1323	276	
		146	1940	1079	932	942	1320	280	
		147	1950	1093	1158	1177	1342	277	
		148	1940	1128	1209	1290	1348	271	
		149	1940	1130	1229	1226	1333	278	
		58	1949	1241	1130	—	1340	277	
		59	1948	1275	1117	—	1362	281	
		60	1950	1360	1193	—	1367	273	
		61	1950	1399	1231	—	1362	274	
		150	1950	1442	1222	1243	1373	279	
		151	1953	1441	1209	1247	1409	280	
19.6		152	1972	290	600	570	1329	220	
		153	1970	332	1018	981	1347	221	

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Cl.-Dk.	Defl.-Dk.	Defl-Dk.	Reduced	Reduced	Magn.	L. No.
978	10	—	10	—		
999	60	—	60	—		
1018	80	—	79	—		
1037	151	—	146	—		
1018	175	—	172	—		
1018	278	—	273	—		
1012	432	—	427	—		
1038	498	—	481	—		
1025	739	—	719	—		
1069	879	896	824	832		off curve
1069	829	856	778	803		off curve
1059	908	884	858	835		off curve
1057	908	907	858	856		off curve
1057	784	779	742	736		8.33, 8.31
1069	765	907	716	849		8.23, off curve
1049	821	813	783	775		off curve, 846
1066	850	844	797	792		off curve
1047	526	544	503	520		7.53, 7.59
1040	652	662	626	636		7.96, 7.98
1065	881	900	828	845		off curve
1077	938	959	871	890		off curve
1055	951	948	901	898		off curve
1063	853	—	804	—		
1081	836	—	773	—		
1094	920	—	840	—		
1088	959	—	878	—		
1094	953	964	873	882		off curve
1129	929	967	824	858		off curve
1109	380	358	343	316		6.91, 6.77
1126	799	760	709	677		7.73, 8.11

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Hyp - R H 885 - Jan 11, 1930

Strip	Class	Star	y	x	Dyll	Dxll	cl	Dk	Date
		154	1962	333	540	510	1350	221	
		155	1958	358	918	880	1337	220	
		156	1959	470	1152	1222	1329	222	
		157	1969	481	940	919	1310	223	
		158	1959	490	1117	1130	1319	223	
	p	62	1960	522	803	—	1293	222	
		159	1975	564	640	666	1290	223	
		160	1966	601	663	660	1273	222	
		161	1970	610	1143	1140	1293	222	
	p	63	1971	673	1139	—	1291	226	
		162	1969	697	957	960	1295	227	
		163	1960	822	1180	1192	1278	223	
		164	1957	882	1103	1125	1261	221	
		165	1962	909	738	732	1268	222	
		166	1971	912	1004	1020	1280	227	
	p	64	1960	929	1134	—	1260	224	
		167	1970	1071	1090	1112	1293	219	
		168	1971	1098	1100	1113	1287	219	
		169	1967	1118	1069	1081	1299	221	
		170	1961	1152	1133	1117	1285	220	
		171	1960	1223	228	282	1302	218	
		172	1958	1309	771	739	1301	217	
	p	65	1970	1327	973	—	1307	216	
		173	1962	1350	903	928	1307	220	
19.8		174	1990	254	339	331	1372	219	
	p	66	1997	295	877	—	1309	220	
		175	1981	300	581	607	1309	219	
		176	1983	438	1080	1114	1323	220	
		177	1992	458	1142	1161	1319	220	
	p	67	1998	477	1001	—	1313	221	

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A.-Dk.	Defl.-Dk	Defl-Dk.	Reduced	Reduced	Mag.	L. No.
1129	319	284	283	257	6.62, 6.48	
1117	698	660	626	591	7.96, 7.83	
1107	930	1000	887	902	off curve	
1087	717	696	658	640	8.06, 8.00	
1096	894	907	817	828	off curve	
1071	581	——	543			
1067	417	443	390	415	7.10, 7.20	
1051	441	438	420	417	7.23, 7.21	
1071	921	918	860	856	off curve	
1065	907	——	852	——		722 ✓
1068	724	733	678	688	8.10, 8.16	
1055	957	969	907	917	off curve	
1040	882	904	847	869	off curve	
1046	516	510	495	488	7.50, 7.47	
1053	777	793	739	753	8.32, 8.37	
1036	910	——	878	——		1229 ✗
1074	871	893	811	830	off curve	
1068	881	894	826	837	off curve	
1078	848	860	787	799	off curve	
1065	913	897	856	842	off curve	
1084	10	64	9	59	2.50, 4.61	
1084	554	522	510	480	7.56, 7.46	
1081	754	——	700	——		
1087	683	708	628	652	7.96, 8.03	
1153	120	112	104	97	5.36, 5.27	
1089	657	——	603	——		673 ✗
1090	362	388	332	357	6.87, 6.97	
1103	860	894	778	810	off curve	
1099	922	941	837	857	off curve	
1092	780	——	713	——		688 ✓

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1929phae.proj.12720

Dyp-R H885 – Jan 11, 1930

Strip	Class	Star	y	x	Dyfl	Dyfl	cl	Dk	Volts
	L	178	1989	540	864	852	1298	219	
	L	179	1974	563	632	639	1277	218	
	L	180	1978	981	700	657	1262	218	
	L	181	1990	1031	1051	1032	1263	220	
	L	182	1988	1071	1040	1038	1280	221	
	L	183	1987	1077	1092	1089	1273	224	
	L	184	1989	1082	1080	1071	1279	221	
	L	185	1980	1114	1177	1170	1273	221	
	L	186	1987	1123	1097	1113	1297	222	
	L	187	1990	1156	1200	1138	1283	219	
	L	188	1980	1250	1041	1054	1270	217	
	P	68	1997	1251	353	—	1300	219	
	P	69	1979	1407	531	—	1303	220	
20.0	P	70	2010	350	919	—	1327	220	
	L	189	2001	397	628	639	1318	219	
	L	190	2010	449	1187	1163	1330	222	
	L	191	2010	460	390	400	1290	220	
	P	71	2012	593	1088	—	1291	221	
	L	192	1999	737	1150	1128	1290	220	
	L	193	2010	883	1110	1153	1241	220	
	L	194	2001	1163	968	1030	1253	219	
	P	72	2009	1171	640	—	1270	219	
		1	2030	973	231	—	1187	221	
		1	1730	768	272	—	1210	219	
		2	—	—	289	—	1251	220	
		3	—	—	383	—	1263	221	
		4	—	—	357	—	1257	220	
		5	—	—	484	—	1237	220	
		6	—	—	649	—	1233	221	
		7	—	—	701	—	1247	222	
		8	—	—	959	—	1243	223	570

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1929phae.proj.12720

Cl – Dk.	Defl – Dk	Defl – Dk.	Reduced	Reduced	Mag	L No.
1079	645	633	600	587	7.86, 7.82	
1059	414	421	392	398	7.11, 7.13	
1044	482	439	460	420	7.37, 7.23	
1043	831	812	796	778	off curve	
1059	819	817	774	773	8.43, 8.42	
1049	868	865	828	825	off curve	
1058	869	850	814	805	off curve	
1052	956	949	910	903	off curve	
1075	875	891	815	829	off curve	
1064	981	919	922	864	off curve	
1053	824	837	784	796	off curve	
1081	134	—	124	—		56 ✓
1083	311	—	287	—		51 ✗
1101	699	—	632	—		681 ✓
1099	409	420	374	383	7.04, 7.07	
1108	915	941	872	849	off curve	
1070	170	180	159	169	5.88, 5.97	
1070	867	—	812	—		
1070	930	908	870	850	off curve	
1021	890	933	872	912	off curve	
1034	749	811	726	786	8.28, off curve	
1051	421	—	400	—		62 ✓
966	16	—	10	—		
991	53	—	54	—		
1031	69	—	67	—		
1042	162	—	155	—		
1037	167	—	162	—		
1017	264	—	260	—		
1012	428	—	423	—		
1025	479	—	467	—		
1020	736	—	723	—		

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FMC QH 885. Jan. 13, 1929

strip	class	star	y	x	Dyff	Dyff	a	Dh	vset
		15	2030	891	210	—	1150	208	
		1	1730	688	229	—	1170	205	
		2	—	—	231	—	1170	205	
		3	—	—	278	—	1170	203	
		4	—	—	309	—	1148	201	
		5	—	—	367	—	1168	205	
		6	—	—	514	—	1158	209	
		7	—	—	595	—	1180	205	
		8	—	—	890	—	1170	208	
20.2		73	2020	349	800	—	1233	208	
		195	2035	1000	805	815	1178	208	
		196	2038	1029	870	865	1180	210	
		197	2030	1072	865	890	1177	210	
		198	2030	1305	320	910	1225	210	
20.4		199	2055	430	581	588	1203	212	
		200	2058	442	820	854	1200	211	
		74	2049	453	814	—	1185	208	
		201	2041	680	580	578	1168	207	
		75	2058	960	852	—	1190	209	
		202	2048	1150	559	551	1190	202	
		203	2050	1231	661	640	1203	204	
		204	2041	1235	211	210	1200	209	
		205	20.42	1387	770	760	1231	209	
		15	2030	891	215	—	1170	210	
		1	1730	688	230	—	1170	207	
		2	—	—	250	—	1178	210	
		3	—	—	281	—	1165	209	
		4	—	—	310	—	1155	209	
		5	—	—	395	—	1170	210	
		6	—	—	525	—	1151	213	
		7	—	—	610	—	1175	213	
		8	—	—	870	—	1182	218	

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1929phae.proj..12720

α. - Dk.	Defl. - Dk.	Defl. - Dk	Reduced	Reduced	Mag.	L. No.
942	02	—	2	—		
965	24	—	23	—		
965	26	—	27	—		
967	75	—	77	—		
947	108	—	114	—		
963	182	—	189	—		
949	305	—	333	—		
975	390	—	401	—		
962	681	—	709	—		
1025	592	—	577	—		679 ✓
970	597	607	616	627	8.07, 8.10	
970	660	655	681	676	8.22, 8.21	
967	655	680	677	703	8.23, 8.27	
1015	110	100	108	98	5.92, 5.81	
991	369	376	372	380	7.38, 7.40	
989	609	643	615	650	8.07, 8.14	
971	606	—	621	—		664 ✓
961	373	371	388	386	7.42, 7.39	
981	643	—	656	—		
988	352	349	358	354	7.31, 7.30	
999	457	436	459	437	7.65, 7.58	
991	02	01	2	1	off curve	
1022	561	551	549	539	7.89, 7.87	
960	05	—	5	—		
963	23	—	24	—		
968	40	—	41	—		
956	72	—	75	—		
946	104	—	106	—		
960	185	—	193	—		
938	312	—	335	—		
962	397	—	413	—		
964	[illegible]		674	—		

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2JP- R H 885 - Jan 13, 1929

Strip	class	star	y	x	Dyf	Dyf	cl	Ch	Volt
		10	2030	891	192	—	1110	192	570
		1	1730	688	209	—	1119	193	
		2	—	—	230	—	1143	201	
		3	—	—	261	—	1160	191	
		4	—	—	279	—	1140	192	
		5	—	—	362	—	1140	199	
		6	—	—	513	—	1132	203	
		7	—	—	577	—	1161	208	
		8	—	—	868	—	1164	209	
20.6	p	76	2067	182	909	—	1209	211	
	"	206	2077	248	1006	1008	1239	211	
	"	207	2068	257	1078	1083	1200	212	
	"	208	2060	320	571	610	1230	219	
	"	209	2070	433	545	538	1201	219	
	"	210	2061	460	1039	1089	1180	219	
	"	211	2060	578	527	510	1210	219	
	p	77	2069	629	389	—	1189	220	
	"	212	2070	769	1001	1010	1181	221	
	"	213	2068	819	1091	1070	1179	225	
	"	214	2068	910	963	973	1154	220	
	"	215	2070	930	836	810	1180	220	
	p	78	2070	933	1010	—	1190	221	
	"	216	2070	939	277	280	1148	220	
	"	217	2073	1029	923	920	1192	222	
	"	218	2072	1050	987	991	1180	221	
	p	79	2063	1104	872	—	1199	226	
	"	219	2062	1229	860	853	1188	223	
	"	220	2070	1226	1099	1104	1198	228	
	p	80	2070	1263	872	—	1196	228	
	p	81	2071	1269	1069	—	1220	222	

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Cl.-Dk.	Defl. Dk.	Defl. Dk.	Reduced	Reduced	Magn.	L. No.
918	0	—	0	—		
926	16	—	17	—		
942	29	—	31	—		
969	70	—	72	—		
948	87	—	92	—		
941	163	—	173	—		
929	310	—	336	—		
953	369	—	386	—		
955	659	—	692	—		
998	698	—	699	—		
1028	785	797	765	778	8.52, 8.55	
988	866	871	876	881	off curve	
1011	352	391	348	387	7.29, 7.44	
982	326	319	332	326	7.23, 7.20	
961	820	870	854	907	off curve	
991	308	291	311	393	7.17, 7.44	
969	169	—	174	—		627 ✓
960	780	789	812	821	off curve	
954	866	845	910	887	off curve	
934	743	753	795	807	off curve	
960	616	590	637	611	8.19, 8.13	
969	789	—	814	—		32 X
928	57	66	61	65	5.9, 6.1	
970	701	698	722	720	8.42, 8.41	
959	766	770	797	802	off curve	
973	646		664	—		
965	637	630	659	651	8.25, 8.24	
970	871	876	900	905	off curve	
968	644	—	665	—		90 ✓
998	847	—	848	—		

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2 J P-R 7 H 885 - Jan 13, 1930

Strep	class	star	y	y	Diff	Diff	d	Dh	Volh
	D	221	2060	1367	1070	1053	1233	237	
20.8	Dp	82	2090	230	260	—	1257	237	
	D	222	2080	401	1060	1071	1223	241	
	D	223	2080	429	1029	1019	1220	233	
	Dp	83	2085	448	618	—	1240	243	
	D	224	2082	449	1082	1093	1237	249	
	D	225	2080	523	552	568	1232	248	
	D	226	2089	643	841	877	1177	250	
	D	227	2088	712	1064	1044	1211	252	
	D	228	2090	1013	1042	1051	1199	252	
	D	229	2092	1078	660	671	1210	253	
	D	230	2080	1327	1039	1057	1240	258	
21.0	D	231	2109	223	877	881	1281	258	
	D	232	2108	228	1112	1148	1271	260	
	Dp	84	2110	254	812	—	1277	251	
	D	233	2104	751	1127	1081	1237	254	
	Dp	85	2100	516	478	—	1251	254	
	D	234	2110	522	279	276	1220	253	
	Dp	86	2102	571	792	—	1223	253	
	D	235	2108	791	1081	957	1199	260	
	D	236	2107	964	1062	1078	1203	261	
	D	237	2111	1049	1079	1068	1207	260	
	D	238	2102	1080	1051	1049	1221	257	
	D	239	2101	1198	943	1009	1223	258	
	Dp	87	2110	1208	788	—	1253	260	
	D	240	2098	1231	773	771	1240	266	
	Dp	88	2100	1304	1051	—	1249	259	
	D	241	2110	1400	1011	1039	1261	260	
	1p		2030	891	262	—	1191	261	
	1		1720	688	278	—	1200	264	

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1929phae.proj.1212C

Cl. Dk.	Defl-Dk	Defl-Dk	Reduced	Reduced	Maps	L. No.
996	833	816	835	819	off curve	
1020	23	—	23	—		659 ✗
982	819	830	834	845	off curve	
987	796	786	807	797	off curve	
997	375	—	377	—		642 ✓
988	833	844	842	854	off curve	
984	304	320	309	327	7.12, 7.21	
927	591	627	638	658	8.19, 8.25	
959	812	792	844	823	off curve	
947	790	799	833	844	off curve	
957	407	418	425	436	7.57, 7.60	
982	781	799	795	813	off curve	
1023	619	623	605	608	8.10, 8.12	
1011	852	888	841	878	off curve	
1026	561	—	546	—		647 ✗
983	873	827	886	839	off curve	
994	221	—	222	—		625 ✓
967	26	23	27	24	4.82, 4.80	
960	539	—	562	—		601 ✓
939	821	697	874	744	off curve, 8.46	
942	801	817	851	866	off curve	
947	819	808	865	853	off curve	
964	794	792	822	820	off curve	
965	685	751	710	777	8.37, 8.55	
993	528	—	532	—		118 ✓
980	513	511	523	522	7.88, 7.87	
990	792	—	800	—		~~XXX~~
1001	751	779	749	777	8.47, 8.53	
930	01	—	1			
936	14	—	15	—		

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1929phae.proj.12720

Mag	Class	Star	y	x	Δyeff	Δxeff	α	δ	Plate
		2	—	—	297	—	1221	270	
		3	—	—	330	—	1232	269	
		4	—	—	357	—	1239	270	
		5	—	—	427	—	1208	272	
		6	—	—	581	—	1202	274	
		7	—	—	636	—	1230	279	
		8	—	—	913	—	1223	276	50
	M.R.D.	RH 885, Jan. 14, 1930							4.90
		13	2030	848	220	—	1132	220	
		1	1730	642	235	—	1148	220	
		2	—	—	255	—	1178	222	
		3	—	—	280	—	1185	220	
		4	—	—	300	—	1190	220	
		5	—	—	370	—	1150	218	
		6	—	—	530	—	1163	222	
		7	—	—	595	—	1190	224	
		8	—	—	860	—	1165	220	
21.2	f	242	2129	235	821	821	1239	226	
	p	89	2115	595	640	—	1200	220	
	f	243	2130	734	725	730	1149	225	
	f	244	2134	947	805	770	1168	225	
	f	245	2120	983	620	620	1189	242	
	p	90	2130	1029	845	—	1210	240	
	f	246	2116	1070	650	640	1180	230	
	f	247	2121	1090	838	848	1190	235	
	f	248	2130	1140	680	672	1180	230	
	f	249	2130	1185	770	770	1200	229	
	f	250	2129	1264	860	840	1198	225	
21.4	p	91	2140	400	442	—	1175	225	
	f	251	2140	447	840	820	1170	224	

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1929phae.proj.12720

Cl-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. Ko.
951	27	—	28	—		
963	61	—	63	—		
963	87	—	90	—		
936	155	—	166	—		
928	307	—	326	—		
951	357	—	376	—		
947	637	—	673	—		
912	0	—	0	—		
928	15	—	16	—		
956	33	—	35	—		
965	60	—	62	—		
970	80	—	83	—		
932	152	—	163	—		
941	308	—	327	—		
966	371	—	384	—		
945	640	—	676	—		
1013	595	595	587	587	7.98, 7.98	
980	420	—	428	—		572
924	500	505	541	546	7.85, 7.86	
943	580	545	613	576	8.06, 7.95	
957	378	378	394	394	7.43, 7.43	
970	605	—	623	—		
950	420	410	442	431	7.57, 7.53	
955	603	613	632	641	8.11, 8.14	
950	450	442	473	465	7.67, 7.64	
971	541	541	557	557	7.90, 7.90	
973	635	615	653	632	8.17, 8.12	
950	217	—	228	—		
946	616	596	652	630	8.18, 8.11	

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MRD RH885 Jan 14, 1930

Strip	Class	Star	Y	X	Defl	Defl	Cl	Dk
21.4	f	252	2148	560	750	758	1155	229
	f	253	2150	804	590	583	1155	226
	f	254	2150	1128	600	610	1180	221
	f	255	2157	1130	660	642	1159	224
	fp	92	2152	1140	700	—	1168	220
	f	256	2150	1148	708	680	1170	220
	f	257	2143	1266	870	870	1170	220
	f	258	2139	1300	530	530	1185	220
	fp		2159	1357	590	—	1185	220
		1S	2030	848	223	—	1050	220
		1	1730	642	240	—	1115	217
		2	—	—	248	—	1150	220
		3	—	—	284	—	1153	220
		4	—	—	303	—	1150	219
		5	—	—	375	—	1198	220
		6	—	—	530	—	1125	222
		7	—	—	590	—	1150	220
		8	—	—	860	—	1120	220

JMC RH885 Jan. 14, 1930		1S	2030	848	210	—	1119	210
		1	1730	642	230	—	1130	212
		2	—	—	242	—	1120	210
		3	—	—	271	—	1125	211
		4	—	—	302	—	1102	221
		5	—	—	390	—	1130	228
		6	—	—	539	—	1120	224
		7	—	—	580	—	1130	224
		8	—	—	830	—	1130	225
21.6	f	259	2168	370	351	352	1160	219
	f	260	2160	829	478	465	1170	230

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1929phae.proj.12720

Q.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L.Ko.
926	531	529	573	572	7.96, 7.97	
935	370	363	395	388	7.41, 7.39	
959	379	389	296	404	7.04, 7.45	
935	436	418	466	447	7.64, 7.57	
948	480	—	506	—		
950	488	460	516	484	7.80, 7.70	
950	650	650	685	685	7.76, 7.76	
965	310	310	332	332	7.20, 7.20	
965	370	—	384	—		
830	03	—	4	—		
898	23	—	26	—		
930	28	—	30	—		
933	64	—	69	—		
931	84	—	90	—		
918	155	—	169	—		
903	308	—	342	—		
930	370	—	398	—		
900	640	—	711	—		
909	0	—	0	—		
918	18	—	20	—		
910	32	—	35	—		
914	60	—	66	—		
881	81	—	92	—		
902	162	—	180	—		
896	315	—	350	—		
906	356	—	392	—		
905	605	—	669	—		
941	132	133	140	141	6.29, 6.30	
940	248	235	264	250	6.93, 6.84	

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1929phae.proj.12720

FMC R+H 885 Jan. 14, 1930

strip	class	star	y	t	Dyf	Dyff	d	Dt	Vach
21.6	f	261	2171	1020	523	510	1139	222	
	f	262	2170	1266	241	247	1178	221	
	f	263	2172	1308	660	648	1178	222	
	fp	93	2160	1359	581	—	1184	221	
21.8	f	264	2180	220	530	530	1210	221	
	f	265	2189	340	820	801	1171	222	
	fp	94	2187	420	709	—	1155	222	
	f	266	2191	545	725	715	1192	223	
	f	267	2185	750	848	825	1190	222	
	f	268	2189	1111	839	845	1140	225	
	f	269	2195	1315	860	860	1155	221	
22.0	f	270	2210	299	900	920	1190	221	
	f	271	2218	330	700	690	1165	221	
	fp	95	2219	441	630	—	1140	224	
	f	272	2210	481	779	742	1149	229	
	f	273	2209	527	837	840	1140	225	
	f	274	2210	1060	299	275	1120	222	
	fp	96	2200	1319	799	—	1180	225	
22.2	fp	97	2230	350	830	—	1180	229	
	f	275	2237	439	880	901	1152	229	
	fp	98	2230	440	889	—	1160	230	
	f	276	2220	443	635	630	1145	229	
	f	277	2228	670	755	778	1140	230	
	f	278	2220	896	620	605	1142	230	
	f	279	2219	922	684	695	1100	230	
	fp	99	2220	1010	940	—	1133	232	
	f	280	2230	1090	758	785	1120	230	
	f	281	2239	1150	598	590	1068	230	
		18	2030	848	237	—	1132	230	
		1	1730	642	248	—	1121	222	

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1929phae.proj.12720

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
917	301	288	328	314	7.17, 7.13	
957	20	26	21	27	4.34, 4.59	
956	438	426	375	445	7.34, 7.57	
963	360	—	374			120 ✗
989	309	309	318	313	7.12, 7.12	
949	598	579	631	611	8.11, 8.07	
933	487	—	523			587 ✓
909	502	492	553	541	7.90, 7.87	
898	626	603	697	622	8.28, 8.09	
915	614	620	622	678	8.09, 8.23	
934	639	639	685	684	8.26, 8.25	
969	679	699	701	722	8.30, 8.35	
944	479	469	508	494	7.77, 7.74	
916	406	—	443	—		570 ~~570~~ ✓
920	550	513	598	558	8.01, 7.92	
915	612	620	668	678	8.20, 8.23	
898	77	53	86	59	5.83, 5.50	
955	574	—	601	—		135 ✗
951	601	—	634	—		588 ✗
923	651	672	706	727	8.31, 8.38	
930	669	—	720	—		~~570~~ ✓
916	406	401	444	438	7.57, 7.55	
910	525	548	577	602	7.97, 8.03	
912	390	375	428	413	7.51, 7.48	
890	454	465	512	523	7.79, 7.82	
901	108	—	120	—		205 ✓
890	528	505	594	567	8.01, 7.93	
833	368	360	442	432	7.57, 7.53	
902	07	—	08	—		
899	26		29			

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1929phae.proj.1272C

72

FMC RH 885 Jan. 14, 1929 1930

Strip	class	star	y	x	Diff	Diff	cc	Dh	Vol.
		2	—	—	250	—	1121	222	
		3	—	—	289	—	1121	230	
		4	—	—	305	—	1110	228	
		5	—	—	411	—	1112	230	
		6	—	—	529	—	1113	228	
		7	—	—	573	—	1125	221	
		8	—	—	855	—	1119	222	
	Zgp-	RH 885 —	Jan.	14, 1930					
		10	2020	848	231	—	1117	237	490
		1	1730	642	250	—	1138	237	
		2	—	—	269	—	1141	241	
		3	—	—	302	—	1139	247	
		4	—	—	329	—	1142	248	
		5	—	—	409	—	1138	250	
		6	—	—	544	—	1111	253	
		7	—	—	603	—	1176	258	
		8	—	—	860	—	1159	258	
22.4		282	2250	163	620	622	1246	259	
		283	2240	209	920	943	1231	261	
		284	2251	231	806	842	1228	259	
		285	2254	339	550	560	1213	261	
	p	100	2247	511	928	—	1179	263	
	p	101	2240	572	970	—	1164	267	
		286	2242	598	490	502	1171	268	
	p	102	2240	609	930	—	1150	270	
		287	2242	623	1028	1063	1179	271	
		288	2237	835	976	992	1172	276	
		289	2251	929	921	921	1169	273	
		290	2247	992	918	891	1166	273	
		291	2245	1072	1062	1047	1179	277	

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1929phae.proj.12720

α.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn. 2 Ko.	
899	28	—	31	—		
901	69	—	77	—		
882	77	—	87	—		
882	181	—	205	—		
885	301	—	340	—		
904	352	—	390	—		
897	633	—	705	—		
880	−6	—	—	/		
901	13	—	14	—		
900	28	—	31	—		
892	55	—	62	—		
894	81	—	91	—		
888	159	—	179	—		
858	291	—	338	/		
918	345	—	376	—		
901	602	—	167	—		
987	361	363	368	370	7.43, 7.45	
970	659	682	679	703	8.31, 8.39	
969	547	583	565	600	8.03, 8.12	
952	289	299	304	314	7.21, 7.26	
916	665	—	725	—		
897	703	—	783	—		518 ✓
903	222	234	246	259	6.96, 7.01	
880	660	—	750	—		496 ✗
908	757	792	835	872	off curve	
896	700	716	780	800	off curve	
896	648	648	724	724	off curve	
893	645	618	723	693	off curve, 8.36	
902	785	770	870	854	off curve	

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1929phae.proj.12720

HgP – RH 885 — Jan. 14, 1930

Strip · Class	Star	y	x	Dyll	Dyll	cc	Dk	Volts
	292	2241	1148	970	962	1189	278	
	293	2248	1271	1052	1080	1202	278	
22.6	294	2272	270	717	719	1279	280	
	295	2266	349	979	947	1222	281	
	296	2241	351	1051	1040	1213	281	
	297	2269	399	1082	1082	1200	283	
	298	2268	402	897	927	1210	283	
p	103	2260	441	921	—	1186	281	
	299	2270	655	979	980	1128	280	
p	104	2269	659	1022	—	1119	279	
	300	2260	678	1000	1003	1170	279	
	301	2260	759	337	340	1180	281	
	302	2270	892	883	926	1180	281	
	303	2270	932	1030	1049	1170	283	
	304	2268	1010	888	873	1173	280	
	305	2260	1077	953	950	1180	280	
p	105	2269	1177	410	—	1198	283	
22.8	306	2289	273	382	382	1270	290	
	307	2288	319	601	611	1252	291	
	308	2289	327	402	411	1239	290	
	309	2279	492	1010	979	1210	290	
p	106	2280	515	918	—	1194	289	
	310	2280	571	699	681	1169	289	
	311	2291	672	741	760	1170	293	
p	107	2281	759	440	—	1180	291	
	312	2290	783	963	981	1178	291	
	313	2281	828	927	945	1187	290	
	314	2289	919	613	658	1189	289	
	315	2276	970	960	987	1183	291	
	316	2282	1119	970	950	1210	291	

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1929phae.proj.12720

Cl-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
911	692	684	757	750	off curve	
924	774	802	830	867	off curve	
949	437	439	461	463	7.74, 7.75	
941	698	666	744	710	off curve 8.40	
932	770	789	825	846	off curve	
917	799	799	870	870	off curve	
927	614	644	660	693	8.27, 8.37	
905	640	—	707	—		
848	699	700	824	825	off curve	
840	743	—	884	—		
891	721	724	809	813	off curve	
899	56	59	62	66	5.50, 5.51	
899	602	645	669	717	8.30, 8.41	
887	747	766	841	864	off curve	
893	608	593	681	663	8.33, 8.28	
900	673	670	748	745	off curve	
915	+27	—	139	—		183+
980	92	92	94	94	5.88, 5.88	
961	310	320	323	333	7.27, 7.31	
949	112	121	118	127	6.10, 6.18	
920	720	689	763	749	off curve	
905	629	—	695	—		
880	410	392	465	445	7.76, 7.69	
877	448	467	510	533	7.85, 7.93	
889	149	—	168	—		376 ✓
887	672	690	757	777	off curve	
897	637	655	710	730	8.40, off curve	
900	324	369	360	410	7.42, 7.57	
992	669	696	675	701	8.31, 8.37	
919	679	659	740	718	off curve, 8.41	

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1929phae.proj.12720

HP-RH 885 – Jan. 14, 1929

Strip	Class	Star	y	x	Dyfl	Dyfl	CC	Dk Volts
	g	317	2290	1139	950	932	1183	290
	g	318	2280	1171	990	1030	1186	292
	g	319	2292	1321	823	840	1200	291
23.0	g	320	2316	179	791	753	1263	290
	g	321	2308	182	757	772	1260	290
	g	322	2300	400	1038	1061	1222	293
	g	323	2300	498	811	790	1210	297
	g	324	2311	559	1043	1040	1189	283
	g	325	2310	584	959	963	1177	281
	g	326	2309	687	1034	1039	1157	261
	g	327	2311	691	971	949	1143	259
	p	108	2311	821	663	—	1140	253
	g	328	2300	837	992	999	1142	250
	g	329	2309	848	1019	1030	1138	249
	g	330	2298	937	939	959	1124	248
	p	109	2310	949	711		1160	243
	g	331	2308	1061	951	943	1147	248
	p		2308	1247	961	—	1146	251
		10	2030	848	258	—	1148	251
		1	1730	642	260	—	1137	247
		2	—	—	272	—	1149	243
		3	—	—	304	—	1166	243
		4	—	—	321	—	1169	240
		5	—	—	393	—	1147	239
		6	—	—	519	—	1130	237
		7	—	—	583	—	1139	238
		8	—	—	837	—	1140	239

+80

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1929phae.proj.12720

A.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn. & No.
893	660	642	738	717	off curve, 8.42
894	698	738	780	836	off curve
909	532	549	584	603	8.07, 8.12
973	501	463	515	476	7.88, 7.78
970	467	482	478	497	7.79, 7.85
929	745	768	802	827	off curve
913	514	493	562	540	8.02, 7.96
906	760	757	839	838	off curve
897	679	683	757	762	off curve
896	773	778	862	868	off curve
844	712	690	843	818	off curve
887	410	—	462	—	338 ✓
892	142	149	159	167	6.47, 6.48
889	770	781	815	876	off curve
879	691	711	786	804	off curve
917	468	—	511		274 ✓
899	703	695	783	773	off curve
995	710	—	713	—	
897	07	—	88	—	
890	13	—	16	—	
906	29	—	32	—	
923	61	—	66	—	
929	81	—	87	—	
908	154	—	170	—	
893	282	—	312	—	
901	345	—	383	—	
901	598		665	—	

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1929phae.proj.12720

78

RGP-RH 885 - Jan 14 1930

Strip	Class	Star	Y	X	Diff	Diff	cc	clk	Plate
		11	2030	822	100	—	1042	099	520
		1	1730	619	122	—	1058	103	
		2	—	—	132	—	1093	109	
		3	—	—	179	—	1100	108	
		4	—	—	209	—	1091	110	
		5	—	—	279	—	1083	112	
		6	—	—	427	—	1078	104	
		7	—	—	510	—	1117	119	
		8	—	—	877	—	1101	119	
23.2		332	2331	180	964	1019	1130	119	
		333	2332	227	909	908	1161	121	
		334	2320	272	446	479	1141	122	
		335	2327	324	1007	1000	1150	123	
		336	2318	398	622	610	1127	127	
		337	2320	399	979	949	1137	129	
		338	2332	421	486	489	1141	123	
		339	2317	437	800	848	1150	130	
		340	2320	510	997	953	1108	129	
		341	2320	549	970	993	1094	130	
		342	2333	646	818	851	1109	132	
		343	2328	792	643	660	1120	132	
		344	2334	942	950	957	1102	132	
	p	110	2330	997	833	—	1133	137	
		111	2320	1030	360	—	1106	131	
		345	2319	1199	904	909	1137	139	
	p	112	2330	1267	941	—	1122	137	
23.4		346	2340	161	790	773	1211	141	
		347	2340	179	1057	1072	1188	138	
		348	2340	348	959	981	1170	133	
	p	113	2349	372	720	—	1178	141	

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1923phae.proj.12720

α-Dk.	Defl-Dk	Defl-Dk.	Reduced	Reduced	Magn.	L. hs
943	01	—	01	—		
955	19	—	20	—		
984	23	—	23	—		
992	71	—	72	—		
981	99	—	101	—		
971	167	—	172	—		
964	313	—	325	—		
998	391	—	392	—		
982	758	—	772	—		
1011	845	900	835	890	off curve	
1040	788	787	758	757	8.31, 8.30	
1019	324	357	318	350	7.21, 7.33	
1027	884	877	860	852	off curve	
1000	495	483	495	483	7.77, 7.76	
1008	850	820	843	813	off curve, 8.42	
1018	363	366	356	358	7.34, 7.35	
1020	670	718	657	705	8.13, 8.23	
979	808	824	829	842	off curve	
964	840	863	872	897	off curve	
977	686	719	702	736	8.23, 8.29	
988	511	528	518	535	7.83, 7.87	
970	818	825	845	850	off curve	
996	696	—	699	—		
975	229	—	235	—		240 ✓
998	765	770	767	771	8.34, 8.35	
985	804	—	815	—		181 ✗
1070	649	632	606	590	8.03, 8.00	
1050	919	934	876	889	off curve	
1037	826	848	795	817	8.40, 8.43	
1037	579	—	558	—		541 ✓

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1929phae.proj.12720

Ngp - R.A. 885 - Jan. 14, 1930

strip	Class	Star	y	x	Dyll	Dyll	cc.	dk. plts
		349	2348	379	851	859	1151	148
		350	2351	428	830	860	1152	142
		351	2349	480	949	959	1161	140
		352	2349	569	1000	1018	1132	143
		353	2356	643	495	482	1119	141
	p	114	2340	717	780	—	1102	141
	p	115	2343	719	901	—	1120	140
		354	2341	732	790	800	963	140
		355	2339	907	989	985	1113	141
	p	116	2344	929	341	—	1127	146
		356	2352	990	932	943	1149	142
		357	2340	1128	687	690	1124	139
		358	2353	1149	860	840	1132	140
23.6	p	117	2370	201	1022	—	1220	170
	p	118	2360	247	1050	—	1209	162
		359	2367	292	1011	987	1204	159
		360	2361	340	1018	1022	1181	160
	p	119	2367	371	221	—	1182	159
		361	2369	441	582	601	1147	157
		362	2372	449	982	980	1157	154
		363	2361	621	400	388	1125	152
		364	2370	712	678	710	1117	151
		365	2360	792	902	806	1134	151
		366	2362	887	853	873	1117	150
	p	120	2373	922	303	—	1131	148
	p	121	2362	937	963	—	1117	147
		367	2361	1001	1019	1020	1147	147
		368	2360	1059	770	770	1141	143
		369	2370	1060	580	583	1170	143
		370	2356	1062	877	851	1123	148

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1929phae.proj.1272C

Cl-Dk.	Defl.-Dk.	Defl-Dk	Reduced	Reduced	Magn.	L. No
1008	708	716	707	709	8.23, 8.25	
1010	688	718	683	712	8.20, 8.25	
1021	809	813	792	795	8.38, 8.39	
989	857	875	865	883	off curve	
978	354	341	362	349	7.39, 7.31	
961	639	—	665	—		
980	761	—	776	—		
813	650	660	799	811	8.39, 8.41	
972	848	844	873	868	off curve	
981	195	—	199	—		279 ✓
1007	790	801	783	793	8.38, 8.39	
985	548	551	557	560	7.93, 7.92	
992	720	700	726	706	8.26, 8.23	
1050	852	—	812	—		
1047	888	—	848	—		
1045	852	828	815	793	8.43, 8.39	
1021	858	862	840	843	off curve	
1023	62	—	61	—		536 ✗
990	425	444	429	448	7.60, 7.65	
1000	825	823	825	823	off curve	
973	248	236	255	242	6.95, 6.90	
966	527	559	544	578	7.90, 7.97	
983	751	655	763	666	8.33, 8.15	
967	703	723	726	747	8.26, 8.30	
983	155	—	158	—		294 ✓
970	836	—	862	—		
1000	872	873	872	873	off curve	
998	627	627	629	629	8.08, 8.08	
977	437	440	447	458	7.64, 7.69	
975	729	703	747	722	8.30, 8.23	

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1929phae.proj.12720

Dyf-RH885 - Jan. 14, 1930

Trip	Class	Star	y	x	Dyf	Dyf	cl	dk	Date
	f	371	2360	1068	960	947	1139	150	
	f	372	2371	1208	890	883	1123	150	
	p	122	2370	1257	792	—	1139	150	
23.8	f	373	2378	227	1041	1051	1189	148	
	f	374	2380	334	798	792	1181	148	
	f	375	2379	411	488	458	1160	148	
	f	376	2387	578	816	788	1124	148	
	p	123	2390	652	743	—	1130	150	
	f	377	2382	696	841	827	1093	149	
	f	378	2377	723	967	960	1098	147	
	f	379	2390	827	998	1003	1127	143	
	f	380	2379	898	972	927	1136	141	
	f	381	2383	1007	982	982	1123	148	
	f	382	2388	1068	639	643	1133	148	
	p	124	2393	1095	912	—	1128	139	
	f	383	2390	1147	518	540	1143	140	
	f	384	2397	1171	599	558	1137	138	
	p	125	2383	1223	542	—	1143	139	
	f	385	2383	1258	340	371	1160	139	
		10	2090	822	149	—	1070	142	
		1	1730	619	170	—	1128	140	
		2	—	—	170	—	1140	140	
		3	—	—	220	—	1143	141	
		4	—	—	243	—	1131	139	
		5	—	—	303	—	1129	140	
		6	—	—	454	—	1120	141	
		7	—	—	524	—	1140	141	
		8	—	—	808	—	1131	142	510

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1929phae.proj.1272C

Q.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
989	810	797	820	806	off curve, 8.41	
973	740	733	760	753	8.32, 8.35	
989	642	—	649	—		
1041	893	903	857	868	off curve	
1033	650	644	629	623	8.07, 8.17	
1012	285	310	283	314	7.07, 7.20	
979	668	640	683	655	8.20, 8.14	
980	593	—	606			425 ✓
944	692	678	732	718	8.28, 8.26	
951	820	813	862	854	off curve	
984	855	860	900	905	off curve	
995	831	786	836	790	off curve, 8.38	
975	834	834	855	855	off curve	
995	491	525	493	528	7.78, 7.86	
989	773	—	781	—		
1003	378	400	377	399	7.43, 7.49	
999	461	420	462	422	7.70, 7.58	
1004	433	—	432	—		206 ✗
1021	201	232	196	227	6.63, 6.80	
928	07	—	08	—		
983	30	—	31	—		
1000	30	—	30	—		
1002	79	—	80	—		
992	104	—	105	—		
987	163	—	165	—		
979	313	—	321	—		
999	383	—	384	—		
989	666	—	672	—		

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1929phae.proj.12720

84 Fmc RH 885 Jan. 15, 1930

trip	class	star	y	x	Dyff	Dyff	cl	Dh	Volt
		IS	2020	822	131	—	1103	129	
		1	1730	619	150	—	1105	130	
		2	—	—	162	—	1110	130	
		3	—	—	202	—	1109	132	
		4	—	—	220	—	1093	132	
		5	—	—	303	—	1130	131	
		6	—	—	460	—	1109	139	
		7	—	—	578	—	1120	140	
		8	—	—	640	—	1124	140	
24.0	f	386	2409	360	623	600	1150	131	
	f	387	2400	553	688	690	1110	125	
	f	388	2400	570	820	773	1101	124	
	p	126	2401	750	795	—	1089	121	
	f	389	2415	847	552	545	1100	121	
	f	390	2412	939	860	860	1090	121	
	f	391	2412	956	857	858	1105	120	
	p	127	2400	1025	596	—	1100	120	
	f	392	2402	1103	291	288	1062	118	
24.2	p	128	2421	385	655	—	1130	119	
	f	393	2431	404	697	690	1110	119	
	f	394	2420	484	749	754	1095	120	
	p	129	2430	583	578	—	1081	119	
	f	395	2427	610	605	621	1090	115	
	p	130	2421	895	825	—	1070	120	
	p	131	2430	909	525	—	1080	115	
	f	396	2429	920	751	738	1089	118	
	f	397	2421	961	780	740	1089	120	
	f	398	2421	1068	837	860	1112	120	
	p	132	2430	1148	158	—	1092	120	
	f	399	2430	1200	456	480	1109	120	

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1929phae.proj.1272

α - Dk	Defl. - Dk	Defl - Dk	Reduced	Reduced	Magn. & No.
974	02	—	02	—	
975	20	—	21	—	
980	32	—	33	—	
977	70	—	72	—	
961	88	—	92	—	
999	172	—	172	—	
976	321	—	331	—	
980	438	—	446	—	
984	740	—	751	—	
1019	492	469	483	461	7.76, 7.70
985	563	565	572	574	8.00, 7.99
977	696	649	712	665	8.30, 8.20
968	674	—	695	—	
979	431	424	440	433	7.62, 7.61
969	739	739	763	764	8.40, 8.40
985	737	738	749	749	8.36, 8.36
980	476	—	485	—	
944	173	170	182	180	6.53, 6.51
1011	536	—	529	—	523 ✗
991	578	571	583	576	8.00, 7.99
975	629	634	645	650	8.16, 8.17
962	459	—	477	—	451 ✓
976	490	506	503	519	7.81, 7.85
950	705	—	743	—	
965	410	—	425	—	
971	633	620	652	638	8.17, 8.13
969	660	620	680	639	8.23, 8.13
992	717	740	722	745	8.31, 8.37
972	38	—	39	—	299 ✗
989	336	360	340	365	7.29, 7.38

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1929phae.proj.12720

FMC RH 885 Jan. 15 1929

Strip	class	star	y	x	Diff	Diff	cl	Sh	Volt
24.4	1	400	2450	400	878	880	1102	120	
	1	401	2450	459	438	443	1070	120	
	2	133	2440	532	838	—	1068	100	
	1	402	2458	711	780	790	1052	120	
	1	403	2441	753	360	361	1068	120	
	1	404	2441	921	698	710	1090	120	
	1	405	2450	981	610	609	1106	120	
	1	406	2453	1033	776	767	1078	120	
	1	407	2441	1040	812	770	1095	115	
	2	134	2441	1100	741	—	1085	119	
24.6	2	135	2469	282	640	—	1130	117	
	1	408	2460	613	490	498	1063	118	
	1	409	2479	792	630	620	1078	120	
	1	410	2465	872	811	820	1062	120	
	2	136	2467	1173	223	—	1105	115	
24.8	1	411	2479	410	827	840	1085	115	
	2	137	2480	500	269	—	1060	115	
	1	412	2489	885	592	581	1072	115	
	1	413	2489	1011	711	680	1070	118	
25.0	2	138	2500	389	712	—	1090	118	
	1	414	2500	448	835	830	1085	115	
	1	415	2510	490	749	742	1069	120	
	2	139	2510	645	500	—	1065	118	
	2	140	2500	798	670	—	1069	120	
	1	416	2500	888	851	870	1069	120	
	1	417	2500	898	810	810	1080	120	
	2	141	2511	1120	813	—	1100	120	
25.2	2	142	2521	530	649	—	1060	100	
	1	418	2530	610	148	150	1069	120	
	1	419	2531	760	780	735	1063	100	

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1929phae.proj.12720

Obs-Dk	Defl.-Dk	Defl-Dk.	Reduced	Reduced	Magn.	L. No.
982	758	760	773	775	8.42, 8.43	
950	318	323	335	340	7.27, 7.30	
948	413	—	753	—		
932	660	670	708	720	8.28, 8.31	
948	240	241	253	254	6.93, 6.94	
970	578	590	596	609	8.04, 8.16	
986	490	489	497	496	7.79, 7.78	
958	656	647	685	677	8.24, 8.23	
980	697	655	712	668	8.30, 8.20	
966	622	—	643	—		225 X
1013	523	—	517			534 X
945	372	380	394	402	7.47, 7.51	
958	510	500	532	522	7.88, 7.87	
942	691	700	734	744	8.35, 8.36	
990	108	—	109	—		242 X
970	712	725	733	747	8.34, 8.36	
945	154	—	163	—		479 X
959	477	466	497	488	7.78, 7.76	
952	593	562	623	590	8.11, 8.03	
972	594	—	611			
970	720	715	743	738	8.35, 8.39	
949	629	622	664	657	8.18, 8.17	
947	382	—	403	—		420 X
949	560		580			
949	731	730	771	770	8.42, 8.41	
960	690	690	719	719	8.30, 8.38	
980	693	—	708	—		
940	529		563			457 X
949	28	30	30	32	4.80, 4.84	
943	660	615	700	652	8.26, 8.17	

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1929phae.proj.12720

88 7mc RH 885 Jan. 15, 1930

Trip	Class	Star	y	x	Diff	Defl	cl	Dh	Volts
25.2	f	420	2532	910	440	440	1075	118	
	f	421	2528	978	730	700	1070	119	
	f½	143	2580	1003	460	—	1072	118	
	f½	144	2528	1120	530	—	1089	118	
25.4	f½	145	2549	992	450	—	1109	120	
	f	422	2540	439	639	650	1090	118	
	f½	146	2540	628	250	—	1068	118	
	f	423	2540	741	460	470	1062	115	
	f	424	2558	840	389	350	1089	111	
	f	425	2553	981	592	612	1059	115	
25.6	f	426	2569	623	645	560	1070	120	
	f	427	2569	929	790	740	1091	120	
	f	428	2570	930	409	405	1100	120	
	f	429	2571	962	792	799	1082	120	
25.8	f	430	2580	790	209	215	1105	115	
26.0	f	431	2601	649	240	237	1080	118	
	f	432	2610	720	823	810	1075	118	
	f	433	2600	811	711	710	1080	118	
	f	434	2609	990	741	745	1105	119	
26.2	f½	147	2620	583	691		1080	120	
	f	435	2630	708	542	500	1085	120	
	f	436	2629	860	160	160	1070	118	
26.4	f	437	2650	783	659	640	1070	120	
	f	438	2649	900	128	128	1060	115	
		18	2030	822	119	—	1050	115	
		1	1730	619	180	—	1060	115	
		2	—	—	145	—	1060	118	
		3	—	—	180	—	1064	115	
		4	—	—	200	—	1050	110	
		5	—	—	280	—	1055	115	
		6	—	—	422	—	1049	115	
		7	—	—	492	—	1069	115	
		8	—	—	248	—	1062	115	

Plate furnished

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1929phae.proj.12724

Cl-Dk	Defl. Dk	Defl-Dk	Reduced	Reduced	Magn	L. No
967	322	322	336	336	7.27, 7.27	
961	611	581	643	611		
954	342	—	359	—		297 X
971	412	—	423	—		
989	330	—	334	—		495 X
972	521	532	536	546	7.88, 7.91	
950	132	—	139	—		426 X
947	345	355	364	376	7.38, 7.42	
978	278	239	284	244	7.07, 6.99	
944	477	497	506	527	7.81, 7.87	
950	525	440	549	463	7.92, 7.71	
971	670	620	690	638	8.25, 8.12	
980	289	285	295	291	7.11, 7.10	
962	672	679	700	706	8.26, 8.30	
990	94	100	95	101	5.82, 5.90	
962	122	119	127	124	6.09, 6.07	
957	705	692	737	720	8.34, 8.32	
962	593	592	617	614	8.08, 8.07	
986	622	626	631	635	8.12, 8.14	
960	571	—	595	—		
965	429	408	437	415	4.62, 4.55	
952	32	32	34	34	4.91, 4.91	
950	539	520	567	548	4.97, 4.91	
945	13	13	14	14	4.10, 4.10	
936	04	—	04	—		
945	15	—	16	—		
942	27	—	29	—		
945	65	—	70	—		
940	90	—	96	—		
940	165	—	176	—		
934	307	—	328	—		
956	379	—	397	—		
	136		679			

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1929phae.proj.12720

Mkd. RH 862 Jan. 16, 1930.

Strip	Class	Star	y	x	Defl	Defl	Cl	Dk	Volt
		1S	2032	870	310	—	1072	100	5.2
		1	1780	606	515	—	1080	98	
		2	—	—	505	—	1110	98	
		3	—	—	630	—	1110	100	
		4	—	—	669	—	1078	100	
		5	—	—	736	—	1090	100	
		6	—	—	840	—	1085	100	
		7	—	—	869	—	1084	104	
		8	—	—	990	—	1090	104	
14.8	p	1	1491	685	770	—	1044	102	
15.0	f	1	1512	790	770	774	1078	100	
	f	2	1502	859	970	965	1072	98	
	f	3	1513	889	630	630	1100	102	
15.2	f	4	1530	650	600	600	1090	100	
	p	2	1525	807	830	—	1100	97	
	p	3	1520	949	920	—	1090	100	
	f	5	1520	980	920	940	1099	100	
	p	4	1525	1024	770	—	1100	100	
15.4	p	5	1539	782	720	—	1100	100	
15.6	p	6	1560	490	950	—	1080	110	
	f	6	1576	1032	800	810	1112	103	
	f	7	1575	1062	585	593	1120	100	
15.8	f	8	1589	763	705	710	1090	100	
	p	7	1580	802	865	—	1096	100	
16.0	p	8	1602	552	870	—	1070	98	
	f	9	1602	929	845	856	1099	103	
	f	10	1607	1042	562	560	1103	99	
	p	9	1620	1070	828	—	1104	95	
	f	11	1600	1170	970	973	1120	100	
	p	10	1605	1184	900	—	1129	94	

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1929phae.proj.12720

Cl. -Dk	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
972	210	—	213	—		
982	417	—	423			
1012	407	—	403	—		
1010	530	—	525	—		
978	559	—	571	—		
990	636	—	644	—		
985	740	—	750	—		
980	765	—	780	—		
986	886	—	889	—		
942	668	—	710	—		
978	670	674	685	688	675, 677	
974	872	867	896	890	882, 875	
998	528	528	530	530	574, 574	
990	500	500	505	505	555, 555	
1003	733	—	730	—		
990	820	—	826	—		
999	820	840	821	841	766, 781	
1000	670	—	670	—		
1000	620	—	620	—		1030 X
970	840	—	865	—		911 X
1009	697 604	707 717	693 ~~687~~	703 ~~785~~ X	680, 686	
1020	485	493	574	694	603, 681	
990	605	610	611	626	629, 639	
996	765	—	769	—		1044 X
972	772	—	793	—		926 X
996	742	753	743	754	712, 719	
1004	463	461	444	442	506, 503	
909	733	—	807	—		1104 X
1020	870	873	725	726	698, 698	
1035	886	—	605	—		

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1929phae.proj.12720

M.P.D. RH 862 Jan. 16, 1930

Strip.	Class.	Star	y	x	Defl	Defl	Cl	Dk	Volt
		18	2032	870	320	—	1060	90	
		1	1780	606	520	—	1072	93	
		2	—	—	486	—	1110	99	
		3	—	—	590	—	1117	92	
		4	—	—	678	—	1083	90	
		5	—	—	738	—	1085	95	
		6	—	—	848	—	1090	95	
		7	—	—	880	—	1088	95	
		8	—	—	990	—	1090	92	
		2nd gp. RH 862 Jan 16, 1930							
		10	2032	870	344	—	1080	119	520
		1	1780	606	579	—	1113	121	
		2	—	—	539	—	1140	123	
		3	—	—	642	—	1150	127	
		4	—	—	711	—	1117	123	
		5	—	—	779	—	1122	127	
		6	—	—	889	—	1133	129	
		7	—	—	933	—	1129	132	
		8	—	—	1030	—	1137	134	
16.2	p	11	1630	522	1000	—	1114	138	
16.4	p	12	1640	407	893	899	1122	134	
	p	13	1652	492	927	913	1121	140	
	p	14	1639	583	1042	1048	1120	142	
	p	15	1651	871	712	727	1149	141	
	p	12	1650	1052	1003	—	1169	147	
	p	13	1639	1148	549	—	1180	148	
	p	16	1638	1211	1106	1103	1176	148	
16.6	p	14	1671	454	1010	—	1120	151	
	p	17	1670	539	992	989	1138	151	

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1929phae.proj.12720

Cl-Dk	Defl-Dk	Defl.-Dk	Reduced	Reduced	Magn.	L. No.
970	230	—	237	—		
979	427	—	437	—		
1011	387	—	379	—		
1026	498	—	476	—		
993	588	—	591	—		
990	643	—	648	—		
995	753	—	758	—		
993	785	—	790	—		
998	898	—	900	—		
961	225	—	234	—		
992	458	—	463	—		
1017	416	—	400	—		
1023	515	—	494	—		
994	588	—	592	—		
995	652	—	656	—		
1004	760	—	753	—		
997	801	—	804	—		
1003	896	—	892	—		
976	862	—	882	—		
988	859	765	869	774	805, 744	
981	787	773	802	789	751, 751	
978	900	906	919	925	839, 845	
1008	571	586	532	546	563, 575	
1022	856	—	702	—		1176 X
1032	401	—	303	—		1284 X
1028	958	955	~~970~~ 931	929	8.49, 8.47	
969	859	—	887	—		892 X
987	841	838	852	850	795, 794	

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Zg P - R H 862 - Jan 16, 1930

Step	Class	Star	x	y	Diff	Diff	α	Mk	Volts
	f	18	1669	554	992	986	1140	149	
	d	19	1660	979	1052	1047	1174	150	
	p	15	1659	1110	1022	—	1190	150	
	f	20	1660	1141	1100	1099	1189	152	
	p	16	1661	1188	904	—	1203	157	
16.8	f	21	1671	330	753	1023	1152	154	
	d	22	1690	566	1026	1034	1148	159	
	d	23	1680	681	1053	1049	1160	160	
	d	24	1680	877	780	799	1177	163	
	d	25	1681	922	999	1017	1181	160	
17.0	p	17	1710	318	900	—	1173	167	
	d	26	1712	339	887	901	1172	172	
	d	27	1707	380	1123	1112	1167	169	
	p	18	1710	442	1030	—	1171	171	
	p	19	1707	569	1009	—	1156	172	
	f	28	1698	642	827	841	1174	171	
	d	29	1710	842	1067	1080	1172	167	
	d	30	1700	991	859	859	1193	169	
	p	20	1702	1080	850	—	1200	169	
	f	31	1710	1221	741	740	1233	167	
17.2	f	32	1720	479	1011	1040	1148	138	
	d	33	1730	859	951	940	1157	132	
	f	34	1731	859	1001	1085	1157	134	
	p	21	1730	982	950	—	1169	136	
	f	35	1728	1019	1040	1040	1148	140	
	d	36	1728	1043	1110	1113	1170	140	
	d	37	1721	1047	1060	1083	1174	141	
	d	38	1738	1289	953	966	1234	143	
17.4	f	39	1750	479	970	970	1134	140	
	p	22	1758	659	1040	—	1143	142	

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1929phae.proj.12720

Cl-Dk.	Defl.-Dk	Defl.-Dk.	Reduced	Reduced	Magn.	W. Ks.
991	843	831	850	845	794, 790	
1024	902	897	882	877	780, 777	
1040	872	—	838	—		1201 X
1034	948	947	915	915	837, 837	
1046	747	—	715	—		1235 X
998	599	869	598	866	616, 805	
989	867	875	877	885	810, 816	
1000	893	889	893	889	822, 820	
1014	617	636	610	628	625, 638	
1021	839	857	821	840	773, 786	
1006	733	—	729	—		844 ✓
1000	715	729	715	729	701, 710	
998	954	943	950	940	off curve.	
1000	859	—	859	—		880 X
984	832	—	818	—		907 ✓
1003	656	670	654	666	658, 665	
1005	900	913	895	909	823, 833	
1024	690	690	675	675	672, 672	
1031	681	—	661	—		
1066	574	573	611	610	626, 625	
1010	873	902	865	894	804, 822	
1025	819	808	799	790	759, 763	
1023	867	901	847	881	791, 812	
1033	814	—	786	—		
1038	900	900	868	868	805, 805	
1030	970	973	940	945	off curve.	
1033	919	942	889	912	820, 835	
1091	810	823	741	754	720, 728	
994	830	830	824	824	775, 775	
1001	898	—	897	—		948 ✓

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1929phae.proj.12720

Yp - RH 862 - Jan. 16, 1930

Temp	Class	Star	η	ζ	Diff	Diff	cl	Dk	Potts
		40	0740	717	1063	1088	1147	148	
		41	1739	787	1057	1052	1167	148	
		42	1750	938	970	981	1180	151	
		23	1752	1152	1102	—	1201	150	
		43	1741	1258	1073	1089	1217	143	
17.6		24	1768	378	1097	—	1760	153	
		44	1760	492	810	839	1151	150	
		25	1762	630	1107	—	1162	151	
		45	1770	703	1103	1120	1167	153	
		26	1760	860	950	—	1179	151	
		27	1769	898	1099	—	1183	153	
		46	1770	1041	1103	1090	1189	152	
		28	1767	1172	1114	—	1210	151	
		29	1760	1271	1127	—	1234	151	
		47	1765	1270	1051	1046	1230	149	
17.8		30	1779	272	912	—	1173	149	
		48	1780	503	1023	1023	1164	150	
		31	1790	1082	1068	—	1202	151	
		49	1780	1091	1068	1067	1202	152	
		32	1780	1138	1120	—	1209	153	
		50	1781	1269	1069	1078	1220	152	
18.0		51	1803	264	1072	1080	1178	150	
		52	1800	363	1028	1012	1182	160	
		53	1809	383	1082	1110	1154	150	
		54	1809	641	1022	1092	1170	150	
		33	1800	707	1098	—	1164	150	
		34	1810	1051	798	—	1192	149	
		35	1804	1074	861	—	1198	148	
		36	1810	1213	987	—	1229	149	
18.2		55	1822	276	708	661	1180	144	

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1029phae.proj.1272c

Cl-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
999	915	940	916	941	8.38, off curve.	
1029	909	904	884	879	8.15, 8.12	
1029	819	830	795	806	7.56, 7.62	
1051	952	—	905	—		
1074	930	946	865	883	8.04, 8.14	
1107	944	—	852	—		940 ✗
1001	660	683	660	683	6.62, 6.79	
1011	956	—		—		
1014	950	967	940	955	off curve	
1028	799	—	798	—		1109 ✓
1030	946	—	920	—		
1037	951	938	919	917	8.40, off curve.	
1059	963	—	910	—		
1086	976	—		—		
1081	902	897	835	830	7.83, 7.80	
1024	763	—		—		809 ✗
1014	873	873	862	862	8.01, 8.01	
1051	917	—	870	—		1244 ✓
1050	916	915	875	873	8.10, 8.09	
1056	967	—		—		
1068	917	926	860	870	8.00, 8.07	
1028	922	930	898	905	8.25, 8.30	
1022	868	852	850	835	7.94, 7.82	
1004	932	960	930	956	8.48, off curve.	
1020	872	882	855	865	7.98, 8.04	
1014	948	—	935	—		
1043	679	—	622	—		1242 ✓
1050	713	—	678	—		1251 ✓
1074	738	—		—		
1039	567	520	546	500	5.74, 5.39	

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1929phae.proj.12720

Dyp-R+862-Jan. 16, 1930

Mag	Class	Star	y	x	Dyfl	Dyfl	α	Dk	Volts
	p	56	1830	288	847	980	1178	140	
	p	37	1821	350	1079	—	1163	144	
	p	57	1830	400	1087	1109	1173	149	
	p	38	1830	590	1077	—	1163	147	
	p	58	1823	592	970	980	1170	151	
	p	59	1823	787	963	941	1172	151	
	p	60	1820	857	1080	1092	1182	150	
	p	61	1829	908	913	927	1182	150	
	p	39	1823	949	1056	—	1199	153	
	p	40	1821	1045	940	—	1195	152	
		10	2032	870	406	—	1139	151	
		1	1780	606	611	—	1170	150	
		2	—	—	589	—	1192	150	
		3	—	—	682	—	1198	151	
		4	—	—	767	—	1162	150	
		5	—	—	813	—	1167	148	
		6	—	—	920	—	1179	150	
		7	—	—	971	—	1172	149	
		8	—	—	1073	—	1166	150	510
		10	2032	870	314	—	1098	081	
		1	1780	606	519	—	1100	083	
		2	—	—	490	—	1120	085	
		3	—	—	611	—	1122	085	
		4	—	—	689	—	1099	088	
		5	—	—	742	—	1102	088	
		6	—	—	850	—	1107	090	
		7	—	—	889	—	1100	090	
		8	—	—	1005	—	1112	089	
18.4	p	41	1842	1250	940	—	1162	088	
	p	42	1840	1255	841	—	1157	088	

Jmc R+862 Jan. 16, 1930

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1029phec.proj.1272C

Cl-Dk	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn.	L.N.
1038	707	840	680.	808	675, 764	
1014	935	—	921	—		707 ✓
1024	938	960	911	933	834, 850	
1016	930	—	912	—		893 ✓
1019	819	829	803	814	761, 770	
1021	812	790	793	771	754, 740	
1032	930	942	902	914	828, 838	
1032	763	777	732	751	712, 726	
1046	903	—	864	—		1189 ✓
1043	788	—	550	—		1242 ✓
988	255	—	258	—		
1020	461	—	445	—		
1042	439	—	406	—		
1047	531	—	484	—		
1012	617	—	600	—		
1019	685	—	660	—		
1029	770	—	729	—		
1023	822	—	778	—		
1016	923	—	892	—		
1014	233	—	218	—		
1017	436	—	428	—		
1035	405	—	391	—		
1037	526	—	507	—		
1011	601	—	597	—		
1014	654	—	647	—		
1017	760	—	748	—		
1010	799	—	791	—		
1023	916	—	893	—		
1074	852	—	795	—		23 ✗
1069	753	—	759	—		

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1929phae.proj.12720

FMC RH 862 Jan. ~~16~~ 1930

strip	class	star	y	x	Defe	Defe	ce	Dh	volt
18.6		43	1859	268	948	—	1110	090	
		62	1878	279	975	980	1112	090	
		44	1869	359	939	—	1100	088	
		45	1860	405	810	—	1092	083	
		46	1870	889	880	—	1105	081	
		63	1871	1054	810	809	1123	083	
		47	1868	1059	728	—	1120	083	
18.8		64	1889	620	965	977	1098	082	
		65	1881	660	990	999	1085	085	
		66	1890	711	632	640	1080	085	
		48	1884	1035	949	—	1110	090	
		67	1881	1042	905	913	1110	089	
		68	1898	1050	650	652	1123	082	
		69	1882	1180	940	940	1133	088	
		70	1888	1207	888	884	1150	085	
		49	1890	1280	683	—	1144	089	
19.0		71	1912	371	971	970	1090	085	
		72	1900	621	790	802	1099	088	
		73	1912	1089	1010	1018	1123	088	
		74	1910	1188	991	991	1140	088	
		75	1910	1321	1012	1008	1172	090	
19.2		76	1938	217	880	890	1110	085	
		50	1921	258	992	—	1100	089	
		77	1920	913	980	980	1084	090	
		78	1928	869	1005	1000	1100	089	
		79	1922	910	930	930	1100	087	
		80	1930	1020	680	680	1115	090	
		81	1921	1042	813	820	1110	082	
19.4		51	1950	400	980	—	1077	088	
		82	1950	491	979	988	1093	090	

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1929phae.proj.12720

cl-Dk	Defl.-Dk	Defl.-Dk	Reduced	Reduced	Magn.	L. No.
920	858	—	932	—		790 ✗
922	885	890	963	969	off curve.	
1012	851	—	842	—		708 ✗
1009	727	—	720	—		805 ✓
1024	799	—	778	—		1171 ✓
1040	727	726	699	699	692,692	
1037	645	—	622	—		1279 ✓
1016	883	895	870	881	804, 811	
1000	905	914	905	914	829, 835	
995	547	555	550	559	599, 604	
1020	859	—	840	—		
1021	816	824	798	806	753, 760	
1041	568	570	545	546	594, 594	
1045	852	852	812	812	764, 764	
1065	803	799	752	749	724, 722	
1055	594	—	563	—		51 ✗
1005	886	887	880	880	810, 810	
1011	702	714	693	708	689, 698	
1035	922	920	891	890	820, 819	
1052	903	903	860	860	797, 797	
1082	922	918	850	846	790, 787	
1025	795	805	773	782	738, 744	
1011	903	—	892	—		788 ✗
994	890	890	897	897	822, 822	
1011	916	911	904	891	828, 820	
1013	843	843	746	746	720, 720	
1025	590	590	472	472	544, 544	
1028	731	738	571	578	612, 617	
989	892	—	902	—		
1003	889	898	887	895	815, 820	

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1929phae.proj.12720

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FMC R+ 862 Jan. 16, 1920

Sup	class	star	y	x	Dyc	Dyc	cl	Dh	Volt
19.4		83	1950	870	688	691	1100	088	
		84	1941	934	851	850	1100	088	
		52	1939	1135	510	—	1102	082	
		85	1957	1209	830	835	1103	082	
		86	1958	1328	843	800	1150	085	
19.6		87	1973	310	850	859	1095	085	
		88	1971	350	941	948	1080	088	
		89	1975	593	949	950	1088	088	
		90	1965	681	1005	1000	1095	085	
		53	1961	743	940	—	1098	087	
		91	1960	941	538	547	1108	090	
		54	1969	1059	800	—	1115	090	
19.8		92	1995	229	490	494	1110	090	
		55	1989	435	959	—	1100	090	
		93	1990	702	810	800	1108	090	
		94	1980	892	760	770	1092	090	
		95	1998	1130	978	979	1100	090	
		56	1990	1240	990	—	1132	090	
20.0		96	2011	268	870	868	1111	090	
		97	2018	609	1000	1012	1090	090	
		98	2000	651	990	1000	1090	090	
		99	2010	768	935	943	1102	090	
		100	2019	818	689	680	1100	092	
		101	2012	903	989	992	1092	095	
		102	2010	1372	511	530	1180	093	
20.2		103	2031	400	703	710	1112	096	
		104	2030	482	948	960	1100	100	
		105	2030	501	998	986	1100	098	
		106	2030	860	820	820	1100	100	
		107	2030	1111	915	920	1115	100	

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1929phae.proj.12720

d. Dk	Defl. Dk.	Defl. Dk.	Reduced	Reduced	Mags.	D. No.
1012	600	603	593	594	629, 629	
1012	763	762	756	756	728, 728	
1040	428	—	418	—		56 ✓
1041	748	743	728	712	710, 700	
1065	758	765	710	718	699, 704	
1010	765	774	756	766	728, 733	
992	853	860	860	867	798, 801	
1000	861	862	861	862	799, 799	
1010	920	915	908	905	831, 829	
1011	853	—	841	—		22 ✗
1018	448	457	442	449	521, 527	
1025	715	—	697	—		62 ✓
1020	400	404	393	396	480, 482	
1010	869		860			748 ✓
1018	720	710	708	698	698, 691	
1002	670	680	668	678	673, 680	
1010	888	889	876	877	807, 808	
1042	900	—	863	—		90 ✗
1021	786	778	762	751	731, 757	
1000	910	922	910	922	832, 842	
1000	900	910	900	910	826, 832	
1012	845	853	834	842	780, 784	
1008	597	588	590	580	626, 620	
997	894	897	896	900	821, 826	
1087	418	437	385	402	473, 489	
1016	607	614	598	603	630, 633	
1000	848	850	848	850	788, 790	
1002	900	888	899	887	829, 816	
1000	720	720	720	720	704, 704	
1015	815	820	802	808	758, 761	

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1929phae.proj.12720

FMC A+ 862 Jan. 16, 1930

Strip	Class	Star	y	y	Diff	Diff	cl	Sh	Volt
20.4	1	108	2050	179	1003	990	1070	099	
	1½	109	2050	380	1001	1003	1108	099	
	1	110	2050	651	741	750	1100	100	
	½	57	2041	942	1001	—	1090	100	
	½	58	2045	1195	903	—	1120	100	
	½	59	2050	1397	723	—	1185	100	
20.6	1	111	2068	335	883	883	1122	100	
	1½	112	2059	337	460	465	1139	095	
	½	60	2060	417	920	—	1109	098	
	1	113	2078	613	858	860	1102	098	
	1	114	2060	702	950	960	1092	098	
	1	115	2071	961	670	680	1083	091	
	1	116	2062	992	863	860	1067	091	
	1	117	2070	1272	719	722	1140	095	
20.8	1	118	2080	331	1005	995	1125	091	
	1	119	2058	920	812	812	1090	100	
	1	120	2088	982	1007	1020	1098	101	
	½	61	2091	1069	960	—	1112	100	
	½	62	2090	1184	903	—	1130	099	
	1	121	2091	1329	980	982	1175	099	
		15	2032	870	295	—	1082	095	
		1	1780	606	500	—	1089	098	
		2	—	—	470	—	1110	098	
		3	—	—	587	—	1110	099	
		4	—	—	660	—	1083	100	
		5	—	—	724	—	1090	100	
		6	—	—	895	—	1098	100	
		7	—	—	872	—	1089	098	
		8	—	—	990	—	1100	100	

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1929phae.proj.12720

α-Dk	Defl-Dk	Defl-Dk.	Reduced	Reduced	Magn.	L. No.
971	904	891	933	917	850, 838	
1009	902	904	893	896	820, 823	
1000	641	650	641	650	657, 662	
990	901	—	909	—		105 ✓
1020	803	—	788	—		118 ✓
1085	623	—	575	—		120 ✓
1022	783	783	764	764	733, 733	
1044	365	370	352	353	492, 493	
1011	822	—	804	—		713 ✓
1004	760	762	753	757	725, 728	
994	852	862	856	868	793, 801	
992	579	589	582	592	620, 626	
976	772	769	791	787	750, 748	
1045	624	627	599	600	630, 631	
1034	914	904	886	876	815, 806	
990	712	712	717	719	702, 703	
994	906	919	907	919	830, 840	
1012	860		867	—		
1031	804	—	757	—		
1076	281	283	259	263	337, 340	
987	200	—	203	—		
991	402	—	405	—		
1012	372	—	368	—		
1011	488	—	483	—		
983	560	—	568	—		
996	624	—	630	—		
998	735	—	737	—		
991	774	—	780	—		
1000	890	—	890	—		

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1929phae.proj.12720

Agp-R4862 – Jan. 17, 1931

Trip	Class	Star	Y	X	Dyf	Dyf	α	Dk	Pots
		10	2032	832	330	—	879	068	520
		1	1780	569	537	—	899	060	
		2	—	—	520	—	885	055	
		3	—	—	597	—	900	061	
		4	—	—	643	—	893	067	
		5	—	—	669	—	888	067	
		6	—	—	754	—	895	068	
		7	—	—	775	—	900	061	
		8	—	—	831	—	893	068	
21.0	g	122	2111	303	830	824	958	074	
	p	63	2106	341	883	—	960	081	
	g	123	2106	567	790	790	928	074	
	g	124	2101	645	870	863	901	073	
	g	125	2103	647	872	887	919	072	
	g	126	2101	1179	873	872	916	079	
	p	64	2100	1330	822	—	957	074	
21.2	g	127	2123	272	902	898	970	073	
	g	128	2120	358	917	919	951	077	
	g	129	2128	389	858	858	954	078	
	g	130	2119	391	902	903	950	071	
	g	131	2129	427	790	783	938	070	
	p	65	2128	581	743	—	930	073	
	g	132	2118	587	872	872	933	078	
	g	133	2130	762	893	892	921	081	
	g	134	2110	812	684	748	912	072	
	g	135	2122	839	851	842	920	078	
	g	136	2120	1048	870	871	922	073	
21.4	g	137	2140	152	830	840	999	089	
	p	66	2142	163	860	—	1001	083	
	g	138	2154	198	830	827	992	084	

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1929phae.proj.12720

Cl. Dk.	Defl-Dk.	Defl-Dk.	Reduced	Reduced	Magn.	L. No
811	262	—	323	—		
839	477	—	572	—		
830	465	—	560	—		
839	536	—	638	—		
826	676	—	697	—		
821	602	—	742	—		
827	686	—	829	—		
839	714	—	852	—		
825	763	—	824			
884	756	750	853	847	7.45, 7.40	
879	802	—	912	—		618 ✓
854	716	716	833	833	7.26, 7.26	
828	797	790	958	952	off curve.	
841	800	815	953	973	off curve.	
837	794	793	950	949	8.60, 8.58	
883	748	—	848	—		135 ✓
897	829	825	923	921	8.24, 8.22	
874	840	842	940	941	off curve	
876	780	781	893	893	7.90, 7.90	
879	831	832	947	947	8.55, 8.55	
868	720	713	829	821	7.22, 7.14	
857	670	—	786	—		627 ✓
855	794	794	930	930	8.34, 8.34	
840	812	811	940	940	off curve.	
840	612	676	732	807	6.30, 7.00	
842	773	764	922	912	8.25, 8.12	
849	797	798	940	941	8.48, 8.50	
910	741	75)	812	823	7.07, 7.17	
918	777	—	848	—		687 ✓
908	746	743	828	825	7.21, 7.19	

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1929phae.proj.12720

HJP-RH 862 - Jan. 17, 1930

Trip	Class	Star	y	x	Sept	Sept	Cl	Dk	Volts
	P	67	2150	221	891	—	997	091	
	P	68	2139	300	870	—	998	091	
	L	139	2147	312	883	891	998	089	
	L	140	2141	393	913	917	993	089	
	P	69	2142	409	910	—	970	087	
	L	141	2150	497	877	883	962	089	
	L	142	2153	512	908	902	960	090	
	L	143	2141	704	882	889	951	088	
	L	144	2151	712	873	871	949	091	
	L	145	2145	812	913	911	942	091	
	L	146	2150	873	908	912	939	087	
	L	147	2141	1347	841	856	989	083	
21.6	L	148	2159	219	900	900	982	077	
	L	149	2174	259	813	829	1000	082	
	L	150	2157	249	854	858	991	082	
	L	151	2172	279	849	807	998	080	
	L	152	2168	398	613	633	970	079	
	L	153	2170	438	911	910	959	079	
	L	154	2162	440	838	831	962	081	
	P	70	2171	595	847	—	960	082	
	L	155	2160	590	909	917	942	081	
	L	156	2164	683	927	930	970	108	
	L	157	2160	700	870	871	963	102	
	L	158	2159	1122	910	911	961	093	
	L	159	2169	1217	893	890	970	091	
	L	160	2160	1232	909	908	977	091	
	L	161	2161	1267	872	882	970	096	
21.8	L	162	2180	262	823	839	1003	088	
	P	71	2180	409	827	—	961	087	
	L	163	2181	450	890	897	968	088	

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1929phae.proj.12720

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
906	800	—	881	—		681 ✗
907	719	—	857	—		679 ✓
909	794	802	872	910	7.69, 8.10	
904	824	828	912	913	8.12, 8.13	
883	823	—	931	—		664 ✗
873	788	794	900	910	7.99, 8.10	
870	818	812	934	885	8.40, 7.82	
863	794	801	920	928	8.22, 8.30	
858	782	780	912	910	8.12, 8.10	
851	822	820	970	968	off curve.	
852	821	825	967	989	off curve.	
906	758	773	858	852	7.30, 7.46	
905	823	823	909	909	8.09, 8.09	
918	731	741	797	809	5.96, 6.07	
909	775	776	852	852	7.46, 7.46	
918	769	727	837	791	7.30, 6.84	
891	534	554	600	620	5.10; 5.30	
886	832	831	846	846	7.39, 7.39	
881	759	750	860	850	7.53, 7.43	
878	795	—	871	—		601 ✓
861	828	836	862	879	7.57, 7.72	
862	819	822	950	853	7.43, 7.46	
861	768	769	890	890	7.87, 7.87	
868	817	818	947	947	8.55, 8.55	
879	802	799	914	910	8.16, 8.10	
886	818	817	923	929	8.28, 8.28	
880	782	792	889	900	7.87, 7.99	
915	735	751	807	823	7.00, 7.16	
874	740	—	843	—		642 ✓
880	802	809	910	919	8.10, 8.20	

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1929phae.proj.12720

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NGP - RA 862 — Jan. 17, 1929

Strip	Class	Star	y	z	Dyll	Dyll	cl	Dk	Volts
	p	72	2180	480	773	—	967	087	
	p	164	2190	900	860	863	942	083	
	p	73	2182	1034	663	—	951	081	
	p	74	2195	1204	638	—	970	082	
	p	165	2190	1209	838	853	940	080	
	p	166	2189	1330	799	744	987	081	
22.0	p	167	2210	271	921	930	983	081	
	p	168	2210	527	831	837	953	083	
	p	169	2199	549	810	802	931	071	
	p	170	2201	590	826	827	940	080	
	p	171	2210	809	867	859	984	089	
	p	172	2210	857	912	904	949	090	
	p	173	2210	1307	899	902	990	090	
		14	2032	832	390	—	899	090	
		1	1780	569	592	—	950	089	
		2	—	—	548	—	941	083	
		3	—	—	652	—	960	088	
		4	—	—	702	—	951	085	
		5	—	—	731	—	940	089	
		6	—	—	800	—	941	083	
		7	—	—	820	—	947	090	
		8	—	—	867	—	940	089	515

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1929phae.proj.12721

Cl-Dk	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn.	L. No.
880	686	—	779	—		625 ✓
859	777	780	903	907	8.01, 8.07	
870	582	—	669	—		205 ✓
888	556	—	625	—		183 ✗
860	758	773	880	898	7.76, 7.95	
916	658	663	726	732	6.22, 6.30	
902	840	849	931	940	8.38, 8.48	
870	748	754	861	865	7.56, ~~8.61~~ 7.60	?
860	739	731	755	749	6.50, 6.44	
860	746	747	768	768	6.61, 6.61	
848	778	770	917	907	8.18, 8.06	
859	822	814	960	950	off cent., 8.60	
905	801	812	890	902	7.88, 8.00	
809	300	—	371	—		
861	503	—	582	—		
858	496	—	576	—		
872	564	—	647	—		
866	617	—	713	—		
851	642	—	753	—		
858	717	—	836	—		
857	730	—	850	—		
851	778	—	915	—		

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1929phae.proj.12720

mt. D. RH 862 – Jan. 18, 1920.

Strip	Class	Star	y	x	Defl	Defl	Cl	Dk	Volt.
Ref King readjusted Schultz Jan 17		18	2032	860	205	—	765	150	5.2
note:		1	1780	596	320	—	840	150	
red disc		2	—	—	310	—	870	142	
is not		3	—	—	370	—	765	145	
in center		4	—	—	415	—	772	150	
of black		5	—	—	480	—	770	150	
This		6	—	—	535	—	780	149	
cross is lower		7	—	—	580	—	775	150	
guess reading.		8	—	—	679	—	780	154	
22.2	f	75	2220	174	690	—	830	155	
	f	174	2220	185	520	570	820	159	
	f	76	2229	227	245	—	812	160	
	f	77	2235	448	490	—	760	160	
	f	175	2220	620	570	580	755	161	
	f	176	2222	735	498	495	762	160	
	f	177	2220	920	560	560	743	157	
	f	178	2237	1355	480	482	800	158	
22.4	f	179	2250	234	300	305	799	160	
	f	78	2249	253	610	—	800	160	
	f	180	2255	325	520	530	787	160	
	f	181	2250	535	610	615	755	160	
	f	182	2252	682	660	660	772	160	
	f	183	2257	735	590	595	770	160	
	f	184	2252	1242	610	610	800	164	
		18	2032	860	210	—	730	164	
		1	1780	596	310	—	750	170	
		2	—	—	300	—	770	165	
		3	—	—	342	—	743	170	
		4	—	—	410	—	800	169	
		5	—	—	460	—	779	170	

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1929phae.proj.12721

Cl-Dk	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn.	L. No.
615	55	—	89	—		
790	170	—	216	—		
728	168	—	232	—		
620	226	—	373	—		
622	266	—	426	—		
620	330	—	532	—		
631	386	—	612	—		
625	430	—	687	—		
626	525	—	837	—		
675	535	—	797	—		
661	361	351	573	530	6.78, 6.70	
652	85	—	131	—		
600	330	—	549	—		606 ✓
594	409	419	687	702	7.46, 7.52	
602	338	335	567	565	6.90, 6.89	
586	403	403	688	688	7.46, 7.46	
642	322	324	500	501	6.57, 6.57	
639	140	145	219	222	4.59, 4.62	
640	450	—	701	—		647 ✗
627	360	370	571	588	6.92, 7.00	
595	450	455	752	756	7.73, 7.75	
612	500	500	814	814	8.00, 8.00	
610	430	435	703	706	7.52, 7.53	
636	446	446	700	700	7.50, 7.50	
566	46	—	82	—		
580	140		241	—		
605	135	—	223	—		
573	172	—	347	—		
631	241	—	382	—		
609	290	—	477	—		

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1929phae.proj.12720

MRD RH ~~682~~ 862 Jan 18, 1930

Strip	Class	Star	y	x	Defl	Defl	Cl	Dk	
Scale fluctuating		6	—	—	~~530~~ 590	—	780	160	
		7	—	—	570	—	770	164	
		8	—	—	690	—	750	170	

XGP-RH 862 - Jan 18, 1930

Photometer needle: aperture, 4 cms. Clarity of field has changed. Throw changed.

	1S	2032	860	181	—	1121	178	520	
	1	1780	596	180	—	1111	173		
	2	—	—	200	—	1109	178		
	3	—	—	231	—	1129	179		
	4	—	—	252	—	1112	181		
	5	—	—	337	—	1131	183		
	6	—	—	520	—	1157	183		
	7	—	—	596	—	1132	182		
	8	—	—	876	—	1117	189		
22.6		185	2265	271	787	819	1170	187	
		186	2262	326	941	983	1149	190	
		187	2270	359	1011	1000	1157	191	
	p	79	2272	481	660	—	1151	191	
		188	2279	507	772	791	1132	191	
		189	2264	658	943	971	1132	191	
		190	2260	651	853	860	1131	191	
		191	2271	849	478	472	1131	190	
		192	2273	919	928	920	1130	192	
		193	2276	1079	989	978	1133	193	
	p	80	2272	1128	463	—	1151	192	
		194	2260	1189	468	496	1159	193	
		195	2262	1243	966	992	1172	200	
		196	2258	1269	941	911	1177	201	
		197	2267	1358	500	542	1173	200	
	p	81	2273	1359	941	—	1181	200	

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1929phae.proj.12721

a - Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
620	390	—	627	—		
606	406	—	670	—		
580	520	—	896	—		
943	03	—	04	—		
938	07	—	07	—		
931	22	—	24	—		
950	52	—	55	—		
931	71	—	76	—		
948	154	—	162	—		
974	337	—	346	—		
950	414	—	436	—		
928	687	—	737	—		
983	600	632	610	643	7.89, 7.97	
959	781	793	816	827	off, curve.	
966	820	809	850	837	off curve	
960	469	—	488	—		
941	581	600	617	637	7.90, 7.95	
941	752	780	797	828	8.44, off curve	
940	662	669	703	713	8.15, 8.19	
941	288	282	307	300	6.96, 6.94	
938	736	728	786	776	8.41, 8.39	
940	796	785	847	835	off curve.	
959	271	—	282	—		240
966	575	603	596	625	7.83, 7.92	
972	766	792	789	814	8.42, off curve	
976	739	710	757	727	8.32, 8.22	
973	600	642	615	656	7.98, 8.01	
981	741	—	751	—		

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1929phae.proj.12720

ZP-R #862 – Jan. 18, 1930

Trip	Class	Star	y	x	Defl	Defl	Cl	Dk Volts
22.8		198	2280	253	1052	1068	1174	200
		82	2292	257	1023	—	1170	201
		199	2293	260	963	980	1179	199
		200	2279	413	1023	1047	1162	201
		201	2278	507	781	800	1151	202
		202	2281	551	830	797	1151	200
		203	2291	638	580	583	1136	201
		83	2290	677	943	—	1139	200
		204	2299	903	467	481	1140	199
		205	2286	1021	828	—	1142	193
		206	2290	1074	973	980	1132	198
		84	2290	1097	1001	—	1131	198
		207	2280	1160	1032	1013	1134	198
		208	2281	1234	793	799	1139	196
		209	2290	1237	869	890	1150	199
		210	2293	1278	958	971	1158	200
		211	2290	1319	963	1019	1180	200
		212	2279	1329	920	940	1162	200
		85	2297	1330	764	—	1179	200
23.0		213	2310	307	948	948	1162	199
		214	2311	328	978	985	1162	201
		215	2297	358	1000	983	1166	199
		86	2302	509	638	—	1141	200
		87	2317	509	943	—	1140	202
		88	2300	640	973	—	1137	200
		216	2309	639	871	905	1151	200
		89	2300	831	340	—	1150	202
		90	2316	899	710	—	1144	204
		217	2298	902	471	487	1151	201
		218	2310	917	957	979	1140	200

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1929phae.proj.12720

Cl-Dk	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn. L. Rs.	
974	852	868	874	890	off curve.	
969	822	—	850	—	632	x
980	764	781	886	805	8.42, off curve.	
961	822	846	854	880	off curve	
949	579	598	610	631	7.88, 7.94	
951	630	597	662	638	8.03, 7.96	
935	379	382	407	410	7.28, 7.29	
939	743	—	791	—		
941	268	282	284	300	6.88, 6.94	
949	635	—	870	—		
934	775	782	830	836	off curve.	
939	803	—	860	—		
936	834	815	894	878	off curve.	
943	597	603	635	640	7.94, 7.96	
951	670	691	705	729	8.16, 8.33	
958	758	771	794	806	8.43, off curve.	
980	763	819	778	635	8.38, 7.95	
962	720	740	749	776	8.30, 8.36	
979	564	—	587	—		
943	749	749	793	793	8.44, 8.44	
961	777	784	808	815	off curve.	
967	~~801~~ 829	784	~~825~~	810	off curve.	
941	738	—	466	—		
938	741	—	791	—		
937	773	—	825	—		518 x
951	671	705	706	741	8.16, 8.27	
948	138	—	142	—		376 ✓
940	506	—	539	—		338 ✓
950	270	286	284	302	6.88, 6.93	
948	757	779	805	825	off curve.	

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1929phae.proj.12720

HJP-R#862 — Jan. 16, 1930

Strip	Class	Star	Y	X	Dyll	Dyll	Cl	Dk	Pts
	g	219	2317	979	271	271	1138	197	
	p	91	2319	1032	411	—	1143	200	
	g	220	2302	1102	899	931	1139	200	
	g	221	2289	1278	1030	1078	1151	202	
23.2	g	222	2320	718	1010	990	1163	202	
	p	92	2331	421	864	—	1159	207	
	g	223	2329	552	1002	999	1153	203	
	g	224	2328	578	461	457	1166	203	
	g	225	2318	798	920	1010	1119	203	
	g	226	2321	913	1000	1003	1133	209	
	g	227	2320	1011	857	854	1151	207	
	p	93	2318	1033	433	—	1149	208	
	g	228	2320	1108	890	901	1150	207	
	g	229	2320	1111	981	1000	1160	211	
	g	230	2321	1154	919	911	1132	210	
23.4	g	231	2341	257	1037	1028	1171	207	
	p	94	2347	517	933	—	1146	204	
	p	95	2350	592	933	—	1133	203	
	g	232	2356	641	889	893	1140	209	
	g	233	2352	891	1019	1014	1132	211	
	p	96	2350	1032	390	—	1149	204	
	g	234	2340	1088	830	801	1152	205	
	g	235	2339	1102	953	983	1143	209	
	p	97	2351	1140	781	—	1152	203	
	g	236	2348	1151	981	973	1157	207	
	g	237	2340	1194	871	860	1159	203	
	p	98	2350	1228	1040	—	1150	208	
	p	99	2351	1267	268	—	1168	203	
	g	238	2350	1343	432	368	1163	207	
23.6	g	239	2359	350	771	789	1147	209	

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cl-Dk	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn.	L. No
936	74	74	79	79	5.95, 5.95	~~5.95~~, 5
943	211	—	234	—		279 ✓
939	699	731	745	780	8.29, 8.40	
949	828	876	873	924	off curve.	
961	808	788	840	819	off curve	
952	654	—	694	—		588 ✗
950	799	796	840	838	off curve.	
963	258	254	268	264	6.81, 6.80	
916	717	807	785	882	842 off curve.	
924	791	794	859	860	off curve.	
944	668	647	698	688	~~7.47, 7.46~~ 8.11, 8.10	
941	225	—	239	—		279 ✓
943	683	694	725	735	~~7.62, 7.62~~ 8.21 8.22	
949	770	789	811	831	off curve.	
922	709	701	770	761	8.36, 8.33	
964	830	821	860	854	off curve.	
936	729	—	777	—		647 ✗
930	730	—	785	—		
931	680	684	720	724	8.21, 8.22	
921	808	803	875	871	off curve.	
945	186	—	197	—		294 ✓
947	625	596	660	630	8.03, 7.94	
934	744	774	795	829	8.45, off curve.	
949	578	—	610	—		264 ✗
950	774	766	814	806	off curve.	
956	668	657	700	687	8.14, 8.10	
942	832	—	884			
965	65	—	68	—		
956	225	161	235	168	6.71, 6.43	
938	562	580	601	620	7.86, 7.91	

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Ngp - RA 862 - Jan. 18, 1929

Trip	Class	Star	y	z	Diff.	Diff	Cl	Dk	Plts
	f	240	2369	373	970	983	1159	210	
	f	241	2372	432	929	940	1162	210	
	f	242	2375	483	419	419	1143	209	
	f	243	2362	540	978	980	1158	210	
	f	244	2372	632	879	932	1127	203	
	f	245	2360	689	961	965	1121	203	
	f	246	2361	782	760	758	1130	201	
	p	100	2360	824	890	—	1137	205	
	p	101	2361	828	998	—	1128	207	
	f	247	2367	941	921	898	1120	202	
	f	248	2370	1142	794	801	1150	203	
	p	102	2379	1222	907	—	1152	207	
	f	249	2362	1259	780	810	1151	198	
23.8	f	250	2390	288	878	884	1140	200	
	f	251	2389	290	942	993	1158	201	
	f	252	2390	295	1017	1021	1163	206	
	f	253	2380	512	672	678	1139	202	
	f	254	2388	619	957	962	1138	203	
	f	255	2399	1069	453	451	1130	203	
	f	256	2379	1192	761	782	1152	203	
	p	103	2382	1299	369	—	1157	203	
		1s	2032	860	202	—	1117	201	
		1	1780	596	210	—	1121	203	
		2	—	—	230	—	1127	203	
		3	—	—	259	—	1142	203	
		4	—	—	271	—	1113	202	
		5	—	—	351	—	1108	203	
		6	—	—	528	—	1131	199	
		7	—	—	616	—	1122	200	
		8	—	—	873	—	1103	200	510

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Cl-Dk.	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn. & No.
949	760	773	800	815	8.46, off curve.
952	719	730	756	767	8.31, 8.35
934	210	210	223	223	6.66, 6.66
948	768	770	810	812	off curve.
924	676	729	732	790	8.24, 8.43
918	758	762	828	830	off curve
909	559	557	615	614	7.90, 7.89
932	685	—	735	—	
921	791	—	858	—	
918	719	696	784	747	8.42, 8.29
947	591	598	624	631	7.92, 7.94
945	700	—	741	—	
953	582	612	610	641	7.88, 7.98
940	678	687	720	730	8.21, 7.23
957	741	792	783	836	8.41 off curve
957	811	815	850	854	off curve.
937	470	476	500	507	7.54, 7.57
935	754	759	805	810	off curve.
927	250	248	270	268	6.83, 6.82
949	558	579	590	616	7.68, 7.72
954	166	—	174	—	
916	01	—	01	—	
918	07	—	08	—	
924	27	—	29	—	
939	56	—	60	—	
911	69	—	76	—	
905	148	—	164	—	
932	329	—	356	—	
922	416	—	451	—	
903	673	—	744	—	

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1929phae.proj.12720

MRD RH 862. Jan 20, 1930

Strip	Class	Star	y	x	Defl	Defl	Cl	Dk	Volt
disc is		1S	2032	880	112	—	1020	112	
not in		1	1780	618	120	—	1010	112	
center		2	—	—	132	—	1020	110	
		3	—	—	178	—	1038	110	
of cross		4	—	—	228	—	1029	112	
wires		5	—	—	270	—	1008	112	
		6	—	—	460	—	1058	118	
		7	—	—	550	—	1040	120	
		8	—	—	813	—	1034	120	
24.0	f	257	2401	309	600	600	1070	121	
	f	258	2400	396	498	512	1078	121	
	f	259	2402	420	610	605	1065	121	
	f	260	2410	532	550	548	1065	130	
	p	104	2404	1050	610	—	1024	124	
24.2	f	261	2418	318	650	670	1092	132	
	f	262	2426	358	340	330	1072	132	
	f	263	2430	460	480	490	1060	135	
	f	264	2422	522	630	632	1044	135	
	f	265	2420	620	215	210	1055	140	
	f	266	2419	1192	670	655	1060	140	
24.4	p	105	2440	510	758	—	1080	150	
	f	267	2452	600	610	620	1049	149	
	f	268	2454	1219	760	760	1045	152	
	p	106	2454	1278	640	—	1058	152	
24.6	p	107	2459	510	210	—	1062	158	
	f	269	2464	590	375	370	1060	156	
	f	270	2460	632	525	510	1050	157	
	p	108	2474	732	665	—	1048	166	
	f	271	2469	1054	780	780	1030	160	
	p	109	2475	1162	468	—	1060	160	

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1929phae.proj.12720

α - Dk	Defl. - Dk.	Defl. - Dk.	Reduced	Reduced	Magn.	L. K.
908	0	—	0	—		
898	08	—	9	—		
908	22	—	24	—		
928	68	—	73	—		
917	116	—	119	—		
896	158	—	176	—		
940	342	—	363	—		
920	430	—	467	—		
914	693	—	757	—		
949	479	479	503	503	7.56, 7.56	
957	377	391	391	407	7.16, 7.21	
944	489	484	517	513	7.59, 7.58	
935	420	416	449	445	7.37, 7.35	
900	486	—	539	—		
960	518	538	540	561	7.67, 7.73	
940	208	198	222	211	6.50, 6.44	
925	345	355	374	384	7.11, 7.13	
909	495	497	548	545	7.70, 7.68	
915	75	70	82	76	5.72, 5.68	
920	530	515	577	560	7.78, 7.73	
930	608	—	653	—		541 ✓
900	461	471	513	524	7.59, 7.61	
893	608	608	682	682	8.10, 8.10	
906	488	—	540	—		
904	52	—	575	—		
904	219	214	243	236	6.59, 6.56	
893	368	353	412	395	7.24, 7.18	
888	505	—	567	—		45 ✓
870	620	626	713	713	8.20, 8.20	
900	308	—	353	—		

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MRD RH 862 Jan 20, 1930

Strip	Class	Star	y	x	Defe	Defe	Cl	Dk	Est
		18	2032	880	150	—	1032	160	
		1	1780	618	170	—	1025	160	
		2	—	—	180	—	1035	160	
		3	—	—	220	—	1048	160	
		4	—	—	272	—	1028	160	
		5	—	—	320	—	1021	160	
		6	—	—	495	—	1060	160	
		7	—	—	610	—	1043	160	
		8	—	—	819	—	1020	160	

2nd P. RH 862 - Jan 20, 1930

	18	2032	880	128	—	1001	143	505
	1	1780	618	151	—	1029	144	
	2	—	—	170	—	1013	150	
	3	—	—	202	—	1035	153	
	4	—	—	250	—	1033	144	
	5	—	—	317	—	1029	149	
	6	—	—	491	—	1059	148	
	7	—	—	551	—	1041	148	
	8	—	—	811	—	1033	148	
248	242	2491	453	940	951	1080	150	
	243	2489	499	820	841	1061	149	
	244	2481	517	919	960	1061	149	
	245	2489	620	832	839	1050	148	
	246	2491	778	952	976	1062	152	
	247	2497	804	258	240	1069	148	
	248	2490	999	783	788	1053	149	
	249	2479	1129	750	770	1071	152	
	280	2490	1191	951	972	1062	151	
250	281	2510	407	912	920	1090	151	

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1929phae.proj.12720

Q-Dk.	Defl-Dk.	Defl-Dk.	Reduced	Reduced	Magn. L.h.	
872	−16	—	—			
865	10	—	11	—		
875	20	—	23	—		
888	60	—	68	—		
868	112	—	129	—		
861	160	—	186	—		
900	335	—	374	—		
883	456	—	507	—		
860	659	—	766	—		
858	−3	—				
882	04	—	5	—		
863	20	—	23	—		
885	49	—	56	—		
889	106	—	119	—		
880	168	—	191	—		
911	343	—	376	—		
893	403	—	452	—		
885	663	—	749	—		
930	790	801	849	861	off curve.	
911	671	692	726	765	8.17, 7.29	
911	770	811	846	890	off curve	
902	684	691	759	767	8.28, 8.30	
910	800	824	879	912	off curve.	
921	110	122	119	132	6.00, 6.07	
904	634	639	701	708	8.10, 8.10	
911	598	618	656	678	7.97, 8.01	
911	800	821	877	900	off curve.	
939	761	769	812	820	off curve	

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1929phae.proj.12720

NGC-C 4862 – Jan. 20, 1930

Type	Class	Star	y	x	Dyff	Dxff	cc	Dk Plate
	p	282	2500	417	980	993	1080	156
	p	110	2511	538	677	—	1068	152
	p	111	2499	687	910	—	1040	157
	p	112	2500	957	799	—	1050	156
	p	283	2498	986	847	870	1069	157
	p	284	2500	1110	958	948	1072	157
	p	285	2507	1152	998	981	1073	153
25.2	p	286	2531	562	919	913	1070	157
	p	287	2539	670	869	947	1073	157
	p	288	2522	1171	947	1011	1067	160
25.4	p	289	2540	512	870	887	1079	161
	p	113	2550	592	913	—	1084	160
	p	114	2540	662	320	—	1068	161
	p	290	2550	809	903	923	1070	160
	p	115	2541	811	607	—	1073	161
	p	291	2540	830	889	862	1078	161
	p	292	2543	1078	921	930	1090	160
25.6	p	293	2559	570	880	895	1079	161
	p	116	2564	609	979	—	1078	162
	p	294	2560	698	309	913	1067	161
	p	295	2567	739	858	908	1070	161
	p	117	2572	798	301	—	1069	160
	p	296	2560	1031	903	990	1068	161
	p	297	2567	1172	977	943	1063	163
25.8	fp	118	2578	447	698	—	1080	161
	fp	119	2587	459	317	—	1099	161
	p	120	2581	558	790	—	1076	160
	p	298	2599	603	643	682	1070	162
	p	121	2579	760	731	—	1070	162
	p	122	2579	778	937	—	1058	162

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1929phae.proj.12720

d-Dk.	Deff-Dk	Deff-Dk	Reduced	Reduced	Magn	L.K.
924	824	837	891	907	off curve.	
916	525	—	574	—		528 ✗
883	753	—	852	—		
894	643	—	720	—		342 ✗
912	690	713	756	784	8.27, 8.35	
915	801	791	879	876	off curve	
920	845	828	920	900	off curve.	
913	762	756	835	830	off curve.	
916	712	790	776	861	8.32, off curve	
907	817	851	903	940	off curve.	
918	709	726	773	790	8.31, off curve	
927	753	—	802			
907	159	—	775	—		
910	743	763	818	839	off curve.	
912	446	—	490	—		
917	728	701	795	765	off curve, 8.30	
930	761	770	820	829	off curve	
918	719	737	784	805	off curve.	
916	817	—	884	—		
956	148	152	156	159	6.20, 6.20	
909	697	747	769	823	8.30, off curve.	
909	141	—	156	—		462 ✗
907	742	829	765	852	8.30, off curve.	
900	814	780	904	855	off curve.	
919	537	—	585	—		
938	156	—	166	—		
916	630	—	685	—		509 ✓
908	481	520	531	572	7.59, 7.70	
908	569	—	628	—		457 ✓
896	775		865			

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1929phae.proj.12720

Dyl.-CH 862-Jan. 20, 1930

Exp	Class	Plate	y	x	Dyl	Dyl	Cl	Dl	Plate
		299	2582	919	914	923	1080	170	
26.0		300	2610	557	470	484	1073	168	
		301	2599	697	643	638	1059	169	
		302	2609	721	490	506	1063	161	
		303	2610	732	751	678	1070	167	
		304	2610	1052	709	470	1059	166	
26.2	p	123	2630	572	571	—	1073	169	
		305	2630	669	897	920	1072	168	
		306	2631	677	689	710	1063	168	
		307	2639	819	819	830	1072	168	
		308	2630	831	347	382	1077	163	
		309	2620	930	808	808	1079	172	
		310	2620	932	939	919	1088	173	
	p	124	2618	934	931	—	1082	173	
		311	2633	970	668	713	1063	172	
26.4		312	2648	604	810	819	1069	170	
		313	2649	722	871	878	1068	171	
		314	2652	770	269	282	1078	171	
26.6		315	2660	738	788	779	1072	168	
	p	125	2661	772	776	—	1077	170	
		316	2670	789	660	710	1070	170	
26.8	p	126	2679	921	320	—	1070	166	
		1	2037	880	172	—	1060	178	
Plate		1	1780	618	182	—	1054	172	
Finished		2	—	—	200	—	1062	173	
		3	—	—	223	—	1052	171	
		4	—	—	251	—	1041	170	
		5	—	—	920	—	1028	170	
		6	—	—	578	—	1058	171	
		7	—	—	582	—	1078	170	
		8	—	—	831	—	1029	170	500

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1929phae.proj.12720

Cl - Dk	Defl. Dk.	Defl Dk	Reduced	Reduced	Magn.	L. K.
910	744	753	819	826	off curve.	
905	302	316	334	350	6.93, 7.00	
896	480	475	536	530	7.60, 7.57	
902	329	345	364	383	7.04, 7.10	
903	584	511	647	566	7.51, 7.69	
893	543	604	608	685	7.81, 8.04	
904	402	—	445	—		498 X
904	729	752	809	891	off curve.	
895	521	542	585	606	7.74, 7.80	
904	651	662	721	732	8.16, 8.20	
914	214	219	234	239	6.55, 6.58	
907	636	636	700	700	8.09, 8.09	
915	766	746	837	811	off curve.	
909	758	—	837	—		
891	496	541	545	607	7.62, 7.80	
899	646	649	714	725	8.12, 8.18	
897	700	707	780	789	8.34, off curve.	
907	98	111	108	122	5.96, 6.02	
904	620	611	685 ~~577~~	677 ~~680~~	804, 8.02 ~~7.74, 8.03~~	?
907	606	—	668	—		
900	496	540	545	535	7.62, 7.60	
904	154	—	171	—		
882	-6	—	13	—		
882	10	—	11	—		
884	27	—	30	—		
881	52	—	59	—		
871	81	—	93	—		
858	160	—	175	—		
887	407	—	460	—		
878	412	—	468	—		
859	661	—	748	—		

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1929phae.proj.12720

Mr. R.D. RH 1839. Jan. 21, 1930

Temp	Class	Star	y	x	Diff	Diff	α	Dk	Pts
		18	2130	680	160	—	1035	155	5.18
disc in center of cross wire		1	1850	910	210	—	1090	160	
images		2	—	—	380	—	1120	170	
not round & are smaller than disc		3	—	—	530	—	1138	175	
		4	—	—	450	—	1130	180	
		5	—	—	690	—	1130	188	
		6	—	—	850	—	1140	185	
		7	—	—	859	—	1148	187	
		8	—	—	1070	—	1148	190	
14.4	f	1	1437	596	610	600	1180	190	
15.0	fp	2	1509	437	330	—	1150	174	
15.2	fp	3	1526	520	930	—	1140	175	
	f	7	1519	522	700	692	1160	190	
	f	8	1528	712	930	925	1145	185	
	f	4	1529	760	940	940	1149	189	
15.4	fp	4	1539	420	880	—	1140	172	
	f	5	1550	450	850	865	1155	174	
	fp	5	1554	960	758	—	1168	195	
15.6	f	6	1560	821	1020	1010	1157	175	
	f	7	1576	932	700	720	1120	174	
15.8	f	8	1580	332	710	720	1123	170	
16.0	f	9	1610	212	930	932	1160	170	
	fp	6	1600	538	867	—	1158	170	
	f	10	1605	625	564	579	1160	170	
	fp	7	1605	809	900	—	1150	170	
		18	2130	680	175	—	1080	170	
		1	1850	910	220	—	1118	170	
		2	—	—	395	—	1140	170	
		3	—	—	522	—	1140	165	
		4	—	—	448	—	1110	168	

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1929phae.proj.12721

Cl-Dk	Defl-Dk	Defl Dk.	Reduced	Reduced	Magn.	L. No.
880	05	—	6	—		
930	50	—	54	—		
950	210	—	221	—		
963	355	—	369	—		
950	270	—	389	—		
942	502	—	533	—		
955	665	—	696	—		
961	672	—	698	—		
958	880	—	918	—		
990	420	410	425	415		
976	156	—	160	—		
965	755	—	782	—		681 x
970	510	502	526	517		
960	745	740	777	771		
960	751	751	782	782		
968	708	—	730	—		[844] x
981	676	691	689	703		
973	563	—	578	—		
982	845	835	860	850		
946	526	546	556	577		
958	540	550	567	577		
990	760	762	763	764		
988	697	—	707	—		679 ✓
990	394	409	398	413		
980	730	—	745	—		
910	05	—	6	—		
948	50	—	53	—		
970	225	—	232	—		
975	357	—	366	—		
942	280	—	297	—		

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M.K.D. RH 1839 Jan. 26, 1930

Strip	Class	Star	y	x	Defl	Defl	Cl	Dk	Volt
		5	—	—	688	—	1133	170	
sequence star no 8 too faint to give accurate measure		6	—	—	826	—	1140	168	
		7	—	—	885	—	1149	170	
		8	—	—	1000?	—	1067	170	5.16
	XP-	RH	1839 –	Jan 21, 1930					
		10	2180	680	173	—	1040	168	520
		1	1850	910	212	—	1071	167	
		2	—	—	382	—	1110	162	
		3	—	—	498	—	1087	160	
		4	—	—	429	—	1091	161	
		5	—	—	653	—	1091	159	
		6	—	—	798	—	1111	160	
		7	—	—	813	—	1111	161	
		8	—	—	1037	—	1104	162	
16.2		11	1638	990	427	431	1110	161	
16.4		12	1632	447	970	990	1129	160	
		8	1651	729	948	—	1113	161	
		9	1651	819	723	—	1106	161	
16.6		13	1670	478	348	357	1161	170	
		10	1679	621	879	—	1132	171	
16.8	(4)	11	1690	696	960	—	1137	170	
	(5)	16	1690	1009	853	1011	1129	170	
	(1)	14	1687	380	840	850	1119	163	
	(2)	15	1680	390	979	987	1160	161	
	(3)	12	1678	620	854	—	1132	168	
17.0		17	1710	134	1000	1093	1127	171	
		18	1710	459	530	521	1138	170	
		19	1707	744	938	930	1137	190	
		20	1709	1087	731	753	1129	191	

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1929phae.proj.12722

Cl-Db.	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn. L.K.
963	518	—	530	—	
972	658	—	678	—	
974	715	—	730	—	
897	830	—	926	—	
872	05	—	6	—	
904	45	—	50	—	
948	220	—	232	—	
927	338	—	366	—	
930	268	—	288	—	
934	494	—	530	—	
951	638	—	672	—	
950	652	—	687	—	
942	875	—	930	—	
949	266	270	281	285	
969	810	830	837	858	
952	787	—	826	—	
945	562	—	594	—	805
991	178	187	189	188	
961	708	—	737	—	713
967	790	—	818	—	
959	683	841	713	878	
956	677	687	709	719	
999	818	826	820	827	
964	686	—	711	—	
956	829	862	866	901	
988	360	351	364	351	
947	768	741	811	787	
938	540	562	731	759	

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AGP-RH 1839 - Jan. 21, 1931

Strip	Class	Star	y	b	Dyff	Dyff	Cy	Wk	Ratio
17.2	p	13	1730	109	913	—	1148	183	
	p	14	1730	449	631	—	1129	177	
	f	21	1720	551	853	893	1162	173	
	f	22	1718	778	950	986	1133	171	
	f	23	1722	801	772	846	1111	170	
17.4	f	24	1740	577	975	980	1120	171	
17.6	p	15	1761	412	881	—	1120	172	
	f	25	1767	1087	978	1019	1136	170	
17.8	f	26	1777	102	931	1062	1140	171	
	p	16	1789	230	387	—	1113	169	
	p	17	1783	249	952	—	1150	170	
	p	18	1783	509	611	—	1141	171	
	f	27	1790	1043	938	1013	1141	170	
	p	19	1782	1083	932	—	1113	174	
18.0	f	28	1810	311	983	994	1144	179	
	p	20	1809	700	1010	—	1154	180	
	p	21	1806	982	942	—	1113	177	
18.2	p	22	1817	179	903	—	1148	172	
	f	29	1833	439	800	832	1157	172	
18.4	p	23	1840	109	974	—	1118	172	
	f	30	1845	289	563	551	1119	171	
	p	24	1840	520	942	—	1119	170.	
	f	31	1842	1022	982	1021	1120	168	
18.6	p	25	1860	062	800	—	1126	170	
	f	32	1876	112	790	852	1113	172	
	f	33	1861	428	870	929	1126	172	
	f	34	1860	489	989	972	1133	173	
18.8	f	35	1881	421	941	993	1128	172	
	f	36	1889	481	979	1003	1132	173	
	p	26	1882	569	617	—	1131	177	

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1929phae.proj.12721

d-2k	Defl-2k.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
965	730	—	756	—		534 X
952	454	—	478	—		606 ✓
989	680	720	686	730		
962	779	815	809	950		
941	602	676	642	715		
979	804	809	848	852		587 ✓
948	709	—	749	—		↓
966	808	879	840	878		
969	760	891	784	920		
944	218		230	—		536 X
930	782	—	840	—		
970	440	—	456	—		
971	768	848	790	865		
939	758	—	808	—		926 X
962	804	815	832	845		
974	830	—	850	—		
936	765	—	815	—		907 ✓
976	731	—	751	—		523 X
985	628	660	634	671		
946	802	—	849	—		
948	392	380	414	401		
949	772	—	819	—		601 ✓
952	814	853	852	895		
956	630	—	658	—		498 X
941	618	680	659	720		
954	698	757	729	792		
960	816	799	851	830		
956	776	821	810	858		
959	806	830	844	866		
954	440	—	470	—		627 ✓

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1929phae.proj.12720

NP-RH1839-Jan. 21, 1930

Trip	Class	Star	y	x	Defl	Dyll	Cl	Dk	Pts
		37	1852	959	773	809	1114	182	
19.0		38	1909	351	921	878	1121	183	
		39	1912	378	773	801	1134	181	
		40	1909	859	762	789	1122	173	
		41	1901	924	870	874	1108	178	
		27	1900	940	960	—	1091	171	
		42	1901	1047	666	710	1117	171	
		43	1923	1049	848	907	1117	171	
		44	1900	1122	762	755	1113	171	
19.2		45	1927	381	573	591	1108	173	
		46	1937	752	960	973	1130	177	
		47	1925	652	460	522	1109	173	
		48	1928	732	720	758	1130	177	
		49	1921	867	517	532	1109	173	
19.4		50	1900	119	360	389	1109	171	
		28	1942	160	599	—	1113	173	
		51	1938	451	941	1039	1112	183	
		52	1947	921	993	1004	1112	181	
		53	1940	942	753	778	1091	179	
		54	1938	1182	910	940	1111	179	
19.6		55	1962	405	811	821	1121	171	
		56	1960	438	362	390	1106	169	
		57	1970	1069	957	969	1101	173	
		58	1958	1118	797	825	1110	180	
		29	1966	1150	1023	—	1120	178	
19.8		59	1988	028	900	919	1126	173	
		30	1982	128	937	—	1103	172	
		60	1998	243	619	649	1100	171	
		61	1981	836	911	947	1137	171	
		62	1979	887	850	904	1111	172	

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Cl-Dk.	Defl-Dk.	Defl-Dk	Reduced	Reduced Magn. L. No.
932	591	627	633	673
938	738	695	785	741
953	592	620	621	650
949	589	616	620	649
935	697	701	742	750
920	789	—	756	948 ✓
946	495	539	523	570
946	671	736	717	778
942	591	584	630	621
935	400	418	427	446
953	783	796	822	837
936	287	349	305	372
953	543	581	542	613
936	344	359	367	384
938	189	218	202	232
940	426	—	454	479 ✗
929	758	856	814	923
931	812	826	871	885
912	594	599	629	658
932	731	761	782	816
950	640	650	672	684
937	193	221	206	236
928	784	796	841	822
930	577	645	553	694
942	845	—	897	—
953	727	746	762	783
931	765	—	822	457 ✗
929	448	478	483	518
966	740	776	767	803
989	678	722	684	732

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D/P - RH 1839 - Jan. 21, 1930

Mag	Class	Star	η	ξ	Syst	Syst	cc	Dk	Volts
	f	63	1980	1094	651	671	1091	172	
	f	64	1990	1120	403	433	1099	177	
	f	18	2130	680	183	—	1043	174	
		1	1850	910	219	—	1087	172	
		2	—	—	390	—	1121	171	
		3	—	—	571	—	1099	172	
		4	—	—	430	—	1098	172	
		5	—	—	661	—	1091	172	
		6	—	—	798	—	1107	173	
		7	—	—	819	—	1103	172	
		8	—	—	1043	—	1101	173	505
		MRD.		RH 1839 -		Jan.	23, 1930		5.02
		18	2130	660	070	—	929	058	
		1	1850	890	118	—	973	070	
		2	—	—	282	—	990	070	
		3	—	—	413	—	1000	070	
		4	—	—	330	—	980	070	
		5	—	—	560	—	985	068	
		6	—	—	700	—	1005	070	
		7	—	—	711	—	1001	071	
		8	—	—	922	—	1003	070	
20.0	f	65	2002	024	625	654	990	070	
	f	66	2000	040	765	763	988	071	
	f	67	2000	251	512	540	1002	074	
	p	31	2010	1148	690	—	990	077	
20.2	f	68	2025	003	550	580	992	078	
	p	32	2030	1109	820	—	1007	080	
20.4	f	69	2042	408	855	857	1029	085	
	f	70	2048	610	852	850	1005	087	
	f	71	2050	690	755	758	1002	080	

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1929phae.proj.12720

α - Dk	Defl - Dk	Defl - Dk	Reduced	Reduced	Magn.	L. No.
919	479	499	522	542		
922	226	256	245	277		
869	69	—	10	—		
915	47	—	51	—		
950	219	—	230	—		
921	339	—	366	—		
926	258	—	279	—		
919	489	—	595	—		
934	625	—	668	—		
931	647	—	695	—		
927	870	—	939	—		
871	12	—	14	—		
903	48	—	53	—		
920	212	—	200	—		
930	343	—	367	—		
910	260	—	285	—		
917	492	—	534	—		
935	630	—	671	—		
830	640	—	770	—		
933	852	—	912	—		
920	555	584	640	634		
817	694	692	850	843		
928	438	466	473	503		
913	613	—	672	—		
914	472	502	516	550		
927	740	—	799	—		1044 X
944	770	772	814	817		
918	765	769	834	831		
922	675	678	732	734		

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mkD RH 1839 Jan. 23, 1930

Strip	Class	Star	y	x	Defl	Defl	Cl	Dk
20.6	f	72	2065	257	810	820	1020	100
20.8	fp	33	2080	118	500	—	1012	082
.	fp	34	2090	150	808	—	995	083
.	f	73	2090	1090	540	570	1000	088
21.0	f	74	2111	372	820	825	1007	089
	fp	35	2114	393	550	—	992	085
	f	75	2113	648	648	680	1000	090
	f	76	2100	887	780	784	965	087
	fp	36	2100	930	817	—	985	088
		18	2130	660	100	—	945	098
		1	1850	890	140	—	975	090
		2	—	—	300	—	1020	089
		3	—	—	420	—	1005	090
		4	—	—	340	—	990	088
		5	—	—	575	—	1008	088
		6	—	—	728	—	1010	087
		7	—	—	740	—	1010	082
		8	—	—	920	—	990	084

Jan. 23, 1930 RH 1839 F.mc.		18	2130	660	080	—	938	071
		1	1850	890	100	—	958	075
		2	—	—	280	—	951	071
		3	—	—	405	—	955	071
		4	—	—	337	—	952	073
		5	—	—	565	—	961	072
		6	—	—	698	—	980	073
		7	—	—	780	—	988	073
		8	—	—	930	—	980	085
21.2	fp	37	2139	880	800	—	970	091
21.4	fp	38	2143	1078	862	—	980	085

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Cl--Dk	Defl. Dk.	Defl. Dk.	Reduced	Reduced	Magn.	L. No
920	710	720	771	782		
930	418	—	450	—		
912	725	—	796			
912	452	482	495	528		
918	731	736	800	804		
907	465	—	513			
910	558	590	612	648		
877	693	697	787	792		
897	729	—	811			1109
847	02	—	02	—		
885	50	—	56			
931	211	—	226	—		
915	330	—	361			
902	352	—	390	—		
920	487	—	528	—		
923	641	—	694	—		
928	658	—	709	—		
906	836		922			
867	09	—	10	—		
883	45	—	51	—		
880	229	—	238	—		
884	334	—	376	—		
879	264	—	300	—		
889	493	—	552	—		
907	625	—	690	—		
915	647	—	709	—		
895	845	—	943	—		
879	709	—	797	—		1171
895	797	—	890	—		

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FMC R+ 1839 Jan. 23, 1930

trip	class	star	y	y	Dyll	Dyll	α	Δt	Volt
21.6	f	77	2171	300	848	854	980	080	
	f	78	2160	595	663	688	971	080	
21.8	f	79	2189	380	850	849	983	079	
	p	39	2181	382	818	—	980	080	
	f	80	2190	440	869	857	980	081	
	f	81	2185	973	821	823	980	081	
	f	82	2182	1041	670	650	1015	080	
	f	83	2180	1150	758	790	975	080	
22.0	f	84	2210	443	700	709	989	081	
22.2	f	85	2220	943	755	780	998	080	
22.4	f	86	2249	130	650	673	962	080	
22.6	f	87	2265	573	962	400	985	080	
22.8	f	88	2298	088	511	531	980	080	
	p	40	2290	881	849	—	960	080	
	p	41	2298	895	715	—	960	080	
	f	89	2279	949	393	410	968	082	
23.0	p	42	2311	740	788	—	970	087	
	p	43	2309	840	703	—	970	082	
	p	44	2319	1001	790	—	952	085	
23.2	p	45	2321	303	859	—	978	085	
	p	46	2320	350	650	—	970	080	
	p	47	2320	390	680	—	970	080	
	f	90	2330	680	842	850	965	080	
	p	48	2320	902	780	—	970	080	
23.4	f	91	2340	232	665	665	968	090	
	p	49	2340	527	548	—	970	088	
23.6	f	92	2360	1020	825	830	975	090	
23.8	p	50	2390	773	383	—	972	087	
	f	93	2382	970	554	595	972	085	
	p	51	2380	1074	580	—	950	082	

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Cl-Dk	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn.	L. No
900	768	774	850	861		
891	583	608	728	760		
904	771	770	853	852		
900	738	—	820	—		
899	788	776	878	865		
899	740	742	823	824		
935	590	570	632	611		
895	678	710	770	793		
908	619	628	682	692		
918	675	700	736	763		
882	570	593	647	672		
905	282	320	311	352		
900	431	460	479	501		
880	769	—	824	—		1246
880	635	—	721	—		1242
886	311	328	350	369		
883	701	—	795	—		62
888	621	—	700	—		1279
867	705	—	812	—		1208
893	774	—	869	—		
890	570	—	640	—		
896	600	—	673			279
885	762	770	860	869		
890	700		787	—		1271
878	575	575	654	653		
882	460	—	521	—		
885	735	740	830	837		
885	296	—	335			56
887	469	510	527	573		
868	498	—	592	—		

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1929phae.proj.12720

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FMC RH 1839 Jan. 23, 1930

Strip	class	star	y	x	Diff	Diff	cl	Dh	Watt
24.0	p	52	2410	440	760	—	978	087	
	f	94	2410	1059	830	873	962	090	
24.2	p	53	2430	965	889	—	970	090	
	f	95	2437	450	820	810	968	090	
	f	96	2432	1001	700	720	952	091	
	f	15	2130	660	100	—	945	090	
		1	1850	890	135	—	970	090	
		2	—	—	298	—	969	090	
		3	—	—	419	—	965	090	
		4	—	—	340	—	960	090	
		5	—	—	550	—	975	088	
		6	—	—	695	—	982	090	
		7	—	—	750	—	1000	090	
		8	—	—	940	—	983	090	

MKD RH 1839. Jan. 24, 1930 5.2

		18	2130	680	060	—	938	054	
images		1	1850	910	099	—	970	054	
wide		2	—	—	270	—	1010	050	
large		3	—	—	405	—	1018	058	
& fuzzy		4	—	—	320	—	1002	058	
near top		5	—	—	576	—	1019	058	
of circle		6	—	—	705	—	1020	057	
larger than disc		7	—	—	750	—	1038	060	
		8	—	—	945	—	1015	061	
24.4	p		2440	264	810	—	1009	056	
	f	97	2433	473	830	840	1018	060	
24.8	f	98	2194	580	870	878	1020	060	
	f	99	2480	772	878	878	1000	062	
25.0	p	54	2510	530	710	—	1027	064	

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1929phae.proj.12720

Cl-Dk	Defl.-Dk	Defl.-Dk	Reduced	Reduced	Magn.	L. No.
8 91	693	—	757	—		240
872	740	783	850	900		
880	799	—	908	—		264
878	730	720	830	820		
861	609	861	706	1000		
855	10	—	12	—		
880	45	—	51	—		
879	208	—	238	—		
875	329	—	376	—		
870	250	—	298	—		
887	462	—	520	—		
892	605	—	678	—		
910	660	—	723	—		
893	857	—	960	—		
884	006	—	07	—		
914	045	—	49	—		
960	210	—	228	—		
960	347	—	360	—		
944	262	—	277	—		
961	578	—	540	—		
963	642	—	669	—		
978	690	—	712	—		
954	884	—	937	—		
953	754	—	792	—		
958	770	780	802	811		
960	810	818	842	850		
948	816	816	860	860		
963	646	—	672	—		73

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1929phae.proj.12710

mKD — RH 1839 — Jan 24, 1930

strip	class	star	y	x	Dyff	Dyc	α	Δk
	f	100	2509	670	818	860	1014	060
	fp	55	2540	904	940	—	1010	060
25.2	fp	56	2530	857	840	—	1010	060
25.4	fp	57	2552	392	410	—	1013	060
25.6	f	101	2576	622	320	325	1005	055
25.8	fp	58	2589	368	673	—	1000	050
26.2	fp	59	2638	577	950	—	1020	060
		18	2130	680	070	—	960	060
		1	1850	910	1115	—	1008	065
		2	—	—	290	—	1050	060
		3	—	—	410	—	1030	060
		4	—	—	337	—	1019	061
		5	—	—	586	—	1030	058
		6	—	—	720	—	1030	060
		7	—	—	750	—	1040	059
		8	—	—	945	—	1030	058

Plate finished

Plate finished

Images at one end of Circle are small and not round. Images at other end of circle are large, distorted and hazy.

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Cl-Dk	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn.	L. No.
954	758	800	792	837		
950	880	—	928	—		
950	880	—	923	—		51 X
953	350	—	368	—		239 X
950	265	270	279	285		
950	623	—	657	—		
960	890	—	930	—		
900	010	—	11	—		
943	050	—	53	—		
990	230	—	233	—		
970	350	—	361	—		
958	276	—	288	—		
972	522	—	534	—		
970	660	—	681	—		
981	691	—	702	—		
972	887	—	913	—		

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1929phae.proj.12720

MRD RH 1569, Jan 25, 1930

Strip	Class	Star	y	x	Def	Def	Cl	Dk	Volt
		15	1930	649	250	—	980	048	5.18
		1	2220	430	460	—	1095	055	
		2	—	—	594	—	1105	052	
		3	—	—	710	—	1080	055	
		4	—	—	680	—	1090	065	
		5	—	—	790	—	1078	054	
		6	—	—	875	—	1674	060	
		7	—	—	900	—	1100	058	
		8	—	—	996	—	1080	060	
15.2	f	1	1512	690	990	990	1053	055	
	f	2	1530	774	930	932	1050	055	
15.4	f	3	1533	589	970	966	1080	060	
	p	1	1550	767	800	—	1042	050	
15.6	f	4	1570	500	850	830	1060	040	
	p	2	1570	564	980	—	1060	040	
	f	5	1559	714	985	—	1030	042	
	f	6	1560	717	915	918	1052	040	
	f	7	1576	882	755	750	1033	040	
15.8	f	8	1589	416	880	872	1066	040	
	f	9	1582	622	958	940	1050	040	
	f	10	1582	675	675	666	1030	040	
	f	11	1596	680	690	685	1039	042	
	f	12	1588	823	935	925	1030	045	
	f	13	1579	954	870	861	1032	050	
16.0	f	14	1602	368	725	730	1059	046	
	f	15	1610	537	970	955	1057	047	
	p	3	1610	623	910	—	1023	045	
	f	16	1610	908	870	854	1022	047	
16.2	f	17	1619	434	918	914	1040	047	
	f	18	1627	593	953	940	1044	048	

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1929phae.proj.12720

Cl-Dk	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn.	L. No
932	202	—	216	—		
1040	405	—	390	—		
1053	542	—	515	—		
1025	655	—	640	—		
1035	625	—	605	—		
1024	736	—	721	—		
1014	815	—	805	—		
1042	842	—	807	—		
1020	936	—	920	—		
998	935	935	935	935	8.34, 8.34	
995	835	837	840	841	7.50, 7.51	
1020	910	906	894	890	7.95, 7.93	
992	750	—	755	—		
1020	810	790	795	775	7.14, 6.99	
1020	940	—	920	—		
988	943	—	852	—	7.60 — 7C	
1012	875	878	885	866	7.87, 7.74	
993	715	710	720	715	6.58, 6.55	
1026	840	832	820	812	7.35, 7.27	
1010	918	900	910	890	8.09, 7.50	
990	635	636	640	634	6.03, 6.00	
997	648	643	650	645	6.08, 6.05	
985	890	880	904	894	8.04, 7.95	
982	820	811	835	826	7.45, 7.37	
1013	679	684	670	675	6.23, 6.25	
1010	923	908	915	908	8.13, 8.00	
978	865	—	885	—		118
975	823	807	844	827	7.53, 7.38	
993	871	867	877	874	7.80, 7.78	
996	905	892	906	894	8.10, 7.96	

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150

M.R.D. RH 1569 Jan. 25, 1930

Strip	Class	Star	y	x	Defl	Defl Cl	Dk	Volt
	p	4	1625	930	890	—	1005	050 5.18
16.4	f	19	1645	432	790	800	1040	050
	f	20	1650	439	942	920	1048	050
	f	21	1640	832	660	660	1010	050
	p	5	1649	857	820	—	1008	049
16.6	p	6	1660	399	970	—	1055	052
	f	22	1674	465	925	920	1045	052
	p	7	1675	471	977	—	1040	050
	f	23	1656	704	950	950	1010	054
	f	24	1660	773	900	900	1020	057
	f	25	1660	854	555	552	1008	058
	f	26	1670	1022	910	900	1000	058
16.8	f	27	1690	392	950	940	1050	058
	f	28	1687	457	960	965	1028	058
	p	8	1680	524	660	—	1040	058
	f	29	1681	637	945	940	1028	059
	f	30	1689	702	858	842	1010	060
	f	31	1679	760	940	930	1012	060
	f	32	1690	784	825	815	1010	061
	f	33	1680	789	940	938	1010	062
	f	34	1688	1123	788	780	1000	062
17.0	f	35	1710	392	720	720	1060	060
	f	36	1710	490	890	895	1030	060
	f	37	1702	519	995	965	1050	060
	f	38	1702	573	580	570	1020	060
	f	39	1709	1119	930	931	990	063
	f	40	1710	1130	845	852	997	063
17.2	p	9	1731	250	940	—	1060	064
	f	41	1718	436	945	935	1049	064
	f	42	1720	530	900	884	1035	062

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1929phae.proj.12720

α-Dh	Defl-Dh	Defl-Dk	Reduced	Reduced	Magn.	L. No.
955	840	—	885	—		2641
990	740	750	750	756	6.79, 6.84	
998	892	870	894	873	7.95, 7.76	
960	610	610	635	635	6.00, 6.00	
959	771	—	814	—		240
1003	918	—	915	—		
993	873	868	879	875	7.82, 7.80	
990	827	—	853	—		
956	896	896	939	939	8.35, 8.35	
963	843	843	875	875	7.80, 7.80	
950	497	494	525	520	5.29, 5.29	
942	852	842	905	895	8.08, 7.96	
992	892	882	900	888	8.00, 7.90	
970	902	907	930	934	8.27, 8.30	
982	602	—	612	—		56
969	886	881	918	910	8.16, 8.08	
950	798	782	840	825	7.50, 7.37	
952	880	870	925	915	8.23, 8.14	
949	764	754	815	792	7.30, 7.11	
948	878	876	926	925	8.24, 8.24	
938	726	718	774	765	6.97, 6.92	
1000	660	660	660	660	6.16, 6.16	
970	830	835	855	860	7.63, 7.66	
990	935	905	945	915	8.45, 8.15	
960	520	510	541	531	5.40, 5.33	
927	867	868	935	936	8.33, 8.34	
934	782	789	838	845	7.48, 7.55	
996	876	—	880	—		1201
985	881	871	892	885	7.93, 7.87	
993	838	821	863	845	7.70, 7.55	

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Mk D RH 1569 Jan. 25, 1930

Strip	Class	Star	y	x	Dyf	Dyf	Cl	Dk	Volt
	p	10	1720	612	945	—	1025	067	5.75
	f	43	1729	635	920	900	1010	065	
	p	11	1730	685	930	—	1020	067	
	p	12	1720	774	740	—	1010	068	
	p	13	1735	910	790	—	1000	070	
	p	14	1732	940	780	—	1000	069	
	p	15	1730	997	865	—	1003	068	
		18	1930	649	258	—	967	067	
		1	2220	430	465	—	1055	068	
		2	—	—	595	—	1060	070	
		3	—	—	690	—	1035	070	
		4	—	—	668	—	1040	070	
		5	—	—	770	—	1030	070	
		6	—	—	840	—	1020	068	
		7	—	—	860	—	1040	065	
		8	—	—	940	—	1022	068	

Mk D RH 1569 Jan 25, 1930

		10	1930	628	1044	—	1040	170	5.20
		1	2220	409	600	—	1160	176	
		2	—	—	740	—	1170	173	
		3	—	—	838	—	1148	175	
		4	—	—	801	—	1162	173	
		5	—	—	909	—	1148	177	
		6	—	—	980	—	1148	171	
		7	—	—	990	—	1162	178	
		8	—	—	1094	—	1161	172	
17.4	p	16	1740	251	1107	—	1198	180	
	f	44	1756	286	1050	1059	1192	181	
	f	45	1743	297	1126	1116	1180	180	

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1929phae.proj.12726

Cl-DK	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn	L. No
958	878	—	916	—		
945	855	835	903	882	8.04, 7.84	
953	868	—	904	—		
942	672	—	912	—		
930	720	—	972	—		
931	711	—	762	—		
935	797	—	851			
900	191	—	212	—		
987	397	—	402	—		
990	525	—	530	—		
965	620	—	642	—		
970	598	—	618	—		
960	700	—	729	—		
952	772	—	811	—		
975	795	—	816	—		
954	872	—	913			
870	234	—	270	—		
984	424	—	432	—		
997	572	—	574	—		
963	663	—	690	—		
989	628	—	633	—		
971	732	—	751	—		
977	809	—	825	—		
984	812	—	823	—		
989	922	—	934	—		
1018	1027	—	1018	—		1207 ✗
1011	869	878	859	867	7.50, 7.58	
1000	948	936	948	936	8.60, 8.43	

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1929phae.proj.12710

Dyl P - R # 1569 - Jan 27, 1930

Strip	Class	Star	y	b	Dyel	Dyfl	cl	dk	Volts
	P	17	1750	361	1102	—	1185	176	
	P	18	1752	378	973	—	1180	170	
		46	1749	392	1091	1106	1187	180	
		47	1751	399	1139	1141	1190	172	
		48	1740	421	1115	1108	1191	167	
	P	19	1752	541	990	—	1170	176	
		49	1746	567	1072	1061	1180	174	
		50	1757	568	1092	1100	1176	180	
		51	1740	591	963	952	1168	178	
		52	1750	713	890	884	1159	178	
		53	1748	1148	1022	1016	1153	180	
17.6		54	1768	241	1090	1122	1203	174	
	P	20	1760	278	990	—	1199	172	
		55	1760	299	1111	1098	1189	172	
	P	21	1778	587	914	—	1203	179	
	P	22	1762	439	958	—	1183	176	
		56	1767	620	1020	1021	1161	180	
		57	1760	830	994	1003	1158	181	
		58	1769	1059	1033	1032	1152	180	
		59	1770	1166	1091	1102	1138	172	
17.8	P	23	1790	223	1110	—	1221	180	
	P	24	1780	399	1060	—	1196	182	
	P	25	1783	460	1092	—	1203	183	
		60	1788	557	1068	1043	1169	179	
		61	1780	577	981	979	1169	181	
		62	1788	680	1073	1069	1121	141	
		63	1793	886	722	707	1102	131	
		64	1788	1202	886	870	1090	129	
		65	1793	1213	1018	998	1086	123	
		66	1793	1213	1013	990	1088	122	

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1929phae.proj.12725

Cl-DK	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn.	Ph No.
1012	926	—	918	—		
1010	803	—	794	—		1261 ✓
1007	911	926	901	917	7.98 8.17	
1018	967	969	949	950	8.48, 8.66	
1024	948	941	923	918	8.25, 8.19	
994	814	—	819	—		62 ✓
1006	898	887	896	883	7.90, 7.75	
996	912	920	918	923	8.19, 8.25	
990	785	774	795	782	6.86, 6.76	
981	712	706	725	719	6.31, 6.27	
973	842	836	868	863	7.58, 7.53	
1029	916	948	891	921	7.85, 8.22	
1027	818	—	792	—		1208 ✗
1017	939	926	927	912	8.26, 8.10	
1024	735	—	715	—		1242 ✓
1007	782	—	774	—		
981	840	841	856	857	7.47, 7.48	
977	813	822	831	840	7.20, 7.29	
972	853	852	879	878	7.71, 7.70	
966	919	930	949	960	8.62, 8.80	
1041	930	—	892	—		1176 ✗
1014	878	—	864	—		1240 ✗
1020	908	—	890	—		1274 ✗
990	889	864	895	872	7.90, 7.63	
988	800	798	808	809	7.00, 7.00	
980	932	928	951	946	8.65, 8.54	
971	591	676	609	694	5.53, 6.08	
961	757	741	784	772	6.78, 6.68	
963	995	875	1037	908	offscreen, 8.07	
966	891	966	923	1000	8.25, offscreen	

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HP – RH 1569 – Jan. 27, 1930

Strip	Class	Star	y	x	Dyl	Dyl	cl	Dk	Volts
18.0		67	1811	349	888	960	1153	131	
		68	1810	594	1020	1033	1117	137	
		69	1811	690	1023	1023	1107	129	
		70	1804	797	1058	1062	1100	126	
		71	1811	809	1029	1011	1110	120	
		72	1804	987	1005	993	1089	118	
		73	1800	1048	889	890	1078	111	
	p	26	1811	1079	992	—	1070	108	
		74	1802	1094	1078	989	1071	103	
18.2		75	1820	258	877	853	1130	100	
		76	1821	350	1009	1004	1119	100	
		77	1830	400	933	928	1110	101	
		78	1828	609	1019	1011	1087	100	
		79	1820	835	973	1004	1087	100	
	p	27	1827	1039	993	—	1063	098	
		80	1820	1056	1003	984	1057	097	
		81	1820	1132	957	953	1062	092	
		82	1826	1227	950	947	1060	104	
18.4	p	28	1852	312	961	—	1137	113	
		83	1850	382	1040	1030	1138	130	
		84	1839	512	1000	1011	1112	124	
		85	1840	648	866	862	1107	123	
		86	1840	893	1018	1007	1098	122	
		87	1850	938	1000	1009	1083	111	
		88	1840	1183	909	910	1068	111	
18.6	p	29	1878	411	1006	—	1104	104	
		89	1861	457	787	771	1079	103	
		90	1867	639	1000	1006	1080	109	
	p	30	1870	900	932	—	1066	109	
18.8		91	1898	149	820	791	1132	103	

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1929phae.proj.13720

Cl-Dk	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn.	L. No.
1022	757	829	743	812	6.45, 7.04	
980	883	896	901	913	7.98, 8.10	
978	894	894	913	913	8.10, 8.10	
974	932	936	957	960	8.76, 8.80	
996	909	891	918	900	8.18, 7.98	
971	887	875	911	900	8.09, 7.98	
967	778	779	803	804	6.95, 6.97	
962	884	—	918			364
968	975	886	1003	918	off curve, 8.18	
1030	777	753	753	732	6.54, 6.36	
1019	907	904	891	887	7.84, 7.80	
1009	832	827	818	814	7.08, 7.04	
987	919	911	929	921	8.32, 8.21	
987	873	904	883	916	7.74, 8.15	
961	835	—	868			
960	906	887	942	925	8.52, 8.25	
970	865	861	892	888	7.85, 7.80	
956	846	843	884	882	7.77, 7.74	
1024	848	—	825			
1008	910	920	902	912	7.99, 8.10	
988	876	887	889	900	7.83, 7.98	
984	743	739	755	751	6.55, 6.52	
976	896	885	904	887	8.02, 7.99	
972	889	898	915	922	8.15, 8.23	
957	798	799	832	831	7.20, 7.20	
1000	902	—	902			1139
976	684	668	703	682	6.14, 6.00	
971	891	897	916	922	8.15, 8.22	
957	823	—	862			388
1029	717	688	700	691	6.12, 5.93	

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1929phae.proj.12720

XgP-RH 1569 - Jan 27, 1930

Strip	Class	Star	y	x	Defl	Defl	cc	dk	Volts	
		92	1890	160	859	850	1120	100		
		93	1890	301	963	941	1120	100		
		94	1890	331	970	940	1122	100		
		95	1886	350	889	890	1112	102		
		96	1887	513	1026	1030	1098	102		
		31	1888	1000	978	—	1049	100		
		97	1882	1111	951	932	1053	100		
19.0		98	1900	231	1016	1001	1128	111		
		99	1902	343	890	882	1137	112		
		100	1910	458	979	999	1107	119		
		101	1900	619	1017	1014	1090	111		
		18	1930	628	329	—	1022	104		
		1	2220	409	549	—	1110	108		
		2	—	—	690	—	1113	105		
		3	—	—	788	—	1091	108		
		4	—	—	748	—	1110	110		
		5	—	—	860	—	1091	112		
		6	—	—	920	—	1081	110		
		7	—	—	947	—	1100	111		
		8	—	—	1019	—	1093	118	510	

MkD RH 1569, Jan. 28, 1930 5.17

disc not in center of cross wires

18	1930	658	325	—	940	058		
1	2220	440	540	—	1085	060		
2	—	—	665	—	1080	064		
3	—	—	750	—	1070	069		
4	—	—	742	—	1077	070		
5	—	—	840	—	1060	069		
6	—	—	905	—	1070	072		
7	—	—	908	—	1077	071		
8	—	—	1002	—	1075	080		

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Cl–Dk	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn. L. No.
1020	759	750	743	758	6.44, 6.57
1020	863	841	842	825	7.32, 7.15
1022	870	840	850	821	7.40, 7.10
1010	787	788	778	779	6.25 7.78, 6.73
996	924	928	930	931	8.33, 8.33
949	868	—	914	—	
953	851	832	892	871	7.85, 7.62
1017	905	890	890	874	7.94, 7.65
1025	778	770	758	750	6.58, 6.50
988	860	880	870	890	7.62, 7.83
979	906	903	924	922	8.24, 8.22
898	225	—	251	—	
1002	441	—	440	—	
1008	585	—	580	—	
983	680	—	691	—	
1010	638	—	638	—	
979	748	—	763	—	
971	810	—	832	—	
989	836	—	845	—	
975	901	—	924	—	
882	267	—	304	—	
1025	480	—	468	—	
1016	601	—	592	—	
1001	687	—	688	—	
1007	672	—	665	—	
991	771	—	776	—	
998	833	—	835	—	
1006	837	—	830	—	
995	922	—	925	—	

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1929phae.proj.12720

160 MKD RH 1569. Jan 28. 1930

Strip	Class	Star	y	x	Defl	Defl	Cl	Dk Volt
19.2	f	102	1920	327	880	890	1110	077
	f	103	1930	448	992	994	1108	074
	f	104	1935	470	980	976	1090	080
	f	105	1930	492	890	890	1096	082
	fe	32	1930	495	912	—	1083	081
	f	106	1935	522	990	988	1088	082
	fe	33	1938	922	840	—	1040	080
19.4	f	107	1950	517	810	820	1080	082
	f	108	1951	519	990	1010	1080	081
	f	109	1950	680	990	990	1084	082
	f	110	1942	791	850	850	1065	084
	f	111	1950	900	970	950	1054	084
	fe	34	1940	922	840	—	1038	083
	f	112	1955	1166	995	982	1060	084
	fe	35	1950	1169	940	—	1048	082
	f	113	1954	1194	930	925	1047	087
	f	114	1950	1252	987	980	1040	085
		15	1930	658	327	—	1008	087
		1	2220	440	565	—	1100	084
		2	—	—	690	—	1095	089
		3	—	—	780	—	1078	090
		4	—	—	760	—	1078	090
		5	—	—	840	—	1070	090
		6	—	—	906	—	1063	089
		7	—	—	910	—	1074	089
		8	—	—	1000	—	1067	090

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1929phae.proj.12723

α - Obs	Defl - Obs	Defl - Obs	Reduced	Reduced	Magn	L. No.
1033.	803	813	779	790	6.67, 6.77	
1034	928	930	898	899	7.90, 7.91	
1010	900	896	890	887	7.80, 7.77	
1014	808	808	799	799	6.83, 6.83	
1002	831	—	828			1171
1006	908	906	900	899	7.92, 7.91	
960	760	—	791			376
998	728	728	729	729	6.24, 6.24	
999	909	929	910	931	8.05, 8.32	
1002	902	902	900	900	7.92, 7.92	
981	766	766	780	780	6.67, 6.67	
970	886	866	913	892	7.98, 7.82	
955	757	—	791			
976	911	898	932	918	8.32, 8.18	
966	858	—	889			420
960	843	838	876	871	7.65, 7.58	
955	902	895	941	936	8.49, 8.41	
921.	240	—	260	—		
1016	481	—	474	—		
1006	601	—	595	—		
988	690	—	699	—		
978	670	—	684	—		
980	750	—	766	—		
974	817	—	839	—		
985	821	—	832	—		
977	910	—	931	—		

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NGP – R 44 1569 – Jan 28, 1930

Strip	Class	Star	Y	X	Defl	Defl	Cl	Dk	Plates
		10	1920	658	338	—	987	112	520
		1	2220	440	571	—	1087	119	
		2	—	—	718	—	1091	122	
		3	—	—	792	—	1087	122	
		4	—	—	763	—	1090	130	
		5	—	—	879	—	1089	131	
		6	—	—	925	—	1082	132	
		7	—	—	939	—	1093	132	
		8	—	—	1022	—	1092	133	
19.6	f	115	1970	170	1030	1022	1151	132	
	p	36	1970	280	1068	—	1134	132	
	p	37	1970	389	962	—	1151	140	
	p	38	1961	1202	890	—	1174	141	
19.8	f	116	1989	321	920	938	1120	141	
	f	117	1980	379	1050	1040	1148	141	
	f	118	1990	499	972	969	1158	142	
	f	119	1987	550	1026	1060	1142	149	
	f	120	1980	930	1049	1027	1099	144	
	p	39	1982	1051	1013	—	1090	147	
	f	121	1983	1148	921	912	1097	141	
20.0	f	122	2001	237	1067	1062	1166	138	
	f	123	2013	550	993	980	1119	139	
20.2	f	124	2028	477	1064	1060	1132	142	
	f	125	2034	619	838	832	1128	133	
	f	126	2033	710	988	989	1099	129	
	p	40	2028	767	1018	—	1088	131	
	f	127	2031	858	1037	1031	1093	138	
	f	128	2030	923	952	940	1087	139	
	f	129	2031	983	999	993	1063	137	
	p	41	2026	1110	980	—	1098	138	

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Cl-Dk	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn	L. No.
875	226	—	258	—		
968	452	—	466	—		
979	596	—	669	—		
965	670	—	692	—		
960	633	—	658	—		
958	748	—	778	—		
950	793	—	833	—		
961	807	—	839	—		
959	889	—	928	—		
1019	898	890	882	872	7.76, 7.63	
1002	936	—	931	—		
1011	822	—	813	—		
1033	759	—	737	—		426 ✗
979	779	797	796	813	6.75, 6.93	
1007	909	899	902	891	8.05, 7.90	
1016	~~930~~ 8	827	~~914~~ 916	814	6.95, 6.95	
993	907	911	910	918	8.20, 8.32	
955	905	883	948	924	8.95, 8.47	
943	866	—	918	—		425 ✓
956	780	771	816	804	6.95, 6.84	
1028	929	914	903	898	8.08, 8.01	
1080	854	851	788	786	6.67, 6.65	
990	922	918	931	927	8.58, 8.50	
995	705	699	708	702	5.97, 5.93	
970	859	860	883	889	7.77, 7.87	
957	987	—	1029	—		
955	899	893	940	934	8.77, 8.65	
948	813	801	857	847	7.45, 7.30	
926	862	856	931	925	8.59, 8.45	
960	842	—	878	—		451 ✓

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Agp-RH 1569 - Jan-28, 1930

Strip	Class	Star	y	b	Dyl	Dyl	cl	Dk	Volts
20.4	p	42	2050	160	942	—	1157	137	
		130	2039	169	969	830	1153	131	
	p	43	2049	213	970	—	1151	128	
		131	2040	239	989	989	1141	122	
		132	2047	731	957	949	1091	127	
		133	2043	1279	721	711	1079	132	
20.6	p	44	2070	176	880	—	1145	121	
		134	2067	202	993	986	1153	123	
		135	2060	267	1083	1069	1133	130	
	p	45	2067	601	990	—	1072	132	
		136	2066	769	1008	1002	1087	134	
		137	2075	791	1009	1000	1081	132	
		138	2062	971	951	930	1079	133	
	p	46	2059	1217	980	—	1089	129	
20.8		139	2090	196	1050	1009	1152	133	
		140	2089	200	1065	1060	1146	135	
		141	2091	477	1032	1031	1113	137	
		142	2090	489	983	985	1113	141	
		143	2078	630	1031	1028	1110	147	
		144	2080	757	737	693	1090	143	
	p	47	2092	930	1020	—	1080	143	
		145	2086	1208	1022	1026	1092	147	
21.0	p	48	2114	193	1038	—	1135	144	
	p	49	2107	789	1061	—	1106	140	
		146	2110	805	977	949	1081	147	
		147	2110	969	740	721	1077	142	
		148	2108	1010	1001	991	1081	141	
	p	50	2100	1183	880	—	1080	141	
21.2		149	2120	190	1088	1079	1143	141	
		150	2127	240	1070	1062	1143	141	

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1929phae.proj.12720

Cl-Dk	Dyf-Dk	Diff-Dk	Reduced	Reduced	Magn	L. No.
1020	805	—	790	—	~~7.01~~	
1022	838	799	820	782	7.00, 6.62	
1023	842	—	822	—		1044 ✓
1019	767	767	754	754	6.35, 6.35	
964	830	822	862	854	7.50, 7.43	
947	589	599	621	610	5.36, 5.27	
1024	759	—	739	—		1000 ✗
1030	870	863	841	834	7.23, 7.15	
1003	953	939	945	930	8.88, 8.58	
940	868	—	923	—		22 ✓
953	874	868	920	913	8.38, 8.25	
949	877	868	924	913	8.45, 8.25	
946	818	897	863	841	7.53, 7.22	
960	851	—	894	—		457 ✓
1019	917	876	900	859	8.00, 7.46	
1011	930	925	919	923	8.32, 8.43	
976	895	894	916	914	8.30, 8.27	
972	842	844	866	867	7.56, 7.57	
963	884	881	922	919	8.40, 8.32	
947	594	550	628	581	5.40, 5.10	
957	877	—	933	—		476 ✗
945	875	879	928	931	8.51, 8.59	
988	911	—	922	—		
966	921	—	952	—		907 ✓
934	830	802	887	856	7.83, 7.43	
935	598	579	639	619	5.48, 5.33	
940	860	850	914	907	8.27, 8.17	
979	739	—	780	—		479 ✗
1002	947	938	945	934	8.90, 8.65	
1002	929	921	927	919	8.50, 8.34	

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DJP – R H 1569 – Jan. 28, 1930

Strip	Class	Star	ny	x	Dyf	Dyf	Cc	Dk	Wdth
	p	51	2120	443	1060	—	1117	140	
		151	2120	530	972	961	1108	143	
	p	52	2129	943	1032	—	1080	145	
		152	2138	972	994	983	1081	147	
		153	2120	1270	1033	1012	1089	141	
21.4		154	2140	310	1022	1020	1127	142	
		155	2147	522	978	967	1103	140	
		156	2140	557	1032	1019	1102	148	
	p	53	2140	563	1040	—	1099	150	
	p	54	2147	819	943	—	1103	148	
		157	2150	889	970	971	1086	149	
		158	2157	897	839	820	1072	143	
		159	2157	980	992	974	1072	148	
		160	2149	1060	1008	1000	1076	150	
		161	2150	1181	974	978	1070	150	
		162	2157	1210	950	939	1069	150	
21.6	p	55	2171	408	1009	—	1113	141	
		163	2160	549	1020	1013	1094	139	
		164	2170	660	913	908	1090	138	
	p	56	2172	779	857	—	1081	139	
		165	2167	1003	728	713	1049	137	
		166	2170	1113	890	883	1064	131	
21.8		167	2182	333	981	990	1112	139	
		168	2180	361	999	1009	1110	131	
		169	2190	663	921	909	1079	133	
		170	2189	732	1010	1011	1068	132	
	p	57	2187	969	1006	—	1069	139	
		171	2180	973	1010	999	1049	138	
		172	2194	1134	1001	969	1063	133	
	p	58	2180	1283	930	—	1063	133	

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1929phae.proj.12723

Ol - Dk	Defl - Dk	Defl - Dk	Reduced	Reduced	Magn.	L. Ns
977	920	—	938	—		975 X
965	829	818	857	846	7.45, 7.30	
935	887	—	948	—		
934	847	836	903	892	8.08, 7.90	
948	892	871	941	921	8.80, 8.40	
985	880	878	893	890	7.92, 7.88	
963	833	827	862	859	7.50, 7.33	
954	884	871	929	913	8.55, 8.23	
949	890	—	929	—		2139 X
956	795	—	834	—		539 X
937	821	822	875	876	7.67, 7.67	
929	696	677	748	727	6.30, 6.12	
924	844	826	912	1000	8.22 offscale	
926	858	850	928	919	8.52, 8.33	
920	824	828	898	901	8.00, 8.05	
919	800	789	871	859	7.62, 7.46	
972	868	—	892			
955	881	874	923	914	8.42, 8.25	
951	780	775	812	807	6.93, 6.87	
948	724	—	763	—		494 X
912	591	576	647	629	5.52, 5.40	
936	759	752	810	803	6.90, 6.83	
973	842	851	864	875	7.53, 7.68	
979	868	878	883	897	7.77, 8.00	
946	788	776	834	822	7.15, 7.03	
936	878	879	937	939	8.70, 8.73	
930	867	—	932	—		
911	872	861	~~954~~ 954	~~944~~	9.13, 8.85	
930	868	836	933	899	8.60, 8.01	
930	797	—	856			

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DJP - RH 1569 - Jan. 28, 1930

Trip	Class	Star	Y	Z	Dyll	Dyll	Cl	Dk	Volts
		10	1930	658	375	—	1020	139	
		1	2220	440	595	—	1104	141	
		2	—	—	727	—	1105	140	
		3	—	—	809	—	1090	145	
		4	—	—	791	—	1100	144	
		5	—	—	873	—	1080	148	
		6	—	—	923	—	1077	140	
		7	—	—	934	—	1098	147	
		8	—	—	1011	—	1073	140	570
	DJP-	RH	1569	- Jan 29,	1930				
		10	1930	588	217	—	941	057	515
		1	2220	369	400	—	1053	052	
		2	—		518	—	1050	052	
		3	—	—	630	—	1042	057	
		4	—	—	620	—	1051	060	
		5	—	—	738	—	1040	058	
		6	—	—	823	—	1038	052	
		7	—	—	839	—	1054	059	
		8	—	—	953	—	1052	061	
22.0	"	173	2205	452	983	991	1081	058	
	"	174	2210	451	980	982	1047	060	
	"	175	2210	1093	628	617	1038	069	
22.2	"	176	2231	217	804	798	1119	067	
22.2	"	177	2230	550	959	934	1068	063	
	"	178	2226	556	990	1010	1080	063	
	"	179	2230	748	963	970	1061	067	
	"	59	2217	759	928	—	1066	070	
	"	180	2221	789	998	1015	1062	067	
	"	181	2233	813	932	929	1062	064	
	"	182	2230	836	1004	989	1070	070	

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1929phae.proj.12721

Cf-Dec	Defl-D ☉	Defl-DK	Reduced	Reduced	Magn	L. No
841	236	—	268	—		
963	454	—	472	—		
965	587	—	608	—		
945	664	—	703	—		
956	647	—	677	—		
932	725	—	778	—		
937	783	—	833	—		
951	787	—	826	—		
933	871	—	923	—		
883	160	—	181	—		
1001	348	—	349	—		
998	466	—	465	—		
985	573	—	581	—		
991	560	—	562	—		
982	680	—	692	—		
986	771	—	799	—		
995	780	—	783	—		
991	892	—	899	—		
923	925	933	1802	1009	~~Pl~~ curve	
987	920	922	931	932	8.64, 8.65	
969	559	548	577	566	5.84, 5.78	
1052	737	731	700	697	6.57, 6.56	
1005	896	871	888	864	8.13, 7.87	
1017	927	947	913	933	8.43, 8.67	
994	896	908	903	910	8.30, 8.40	
996	858	—	860	—		601 ✓
995	931	948	936	952	8.70, 9.00	
998	868	875	870	877	7.95, 8.03	
1000	934	919	937	919	8.67, 8.50	

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1929phae.proj.12720

α Gp – R H, 1569 – Jan 29, 1930

Strip	Class	Star	ηγ	Δ	Dyl	Dyl	Cl	Δk	Volts
		183	2220	879	913	914	1065	078	
		184	2218	1034	953	932	1059	083	
	p	60	2228	1099	942	—	1060	081	
	p	61	2221	1146	1013	—	1062	073	
22.4		185	2242	569	878	858	1100	072	
	p	62	2256	582	983	—	1100	079	
		186	2242	873	948	998	1061	081	
22.6		187	2272	254	990	984	1131	086	
	p	63	2270	299	940	—	1117	083	
	p	64	2271	559	1012	—	1096	081	
		188	2262	660	838	892	1071	081	
	p	65	2270	772	804	—	1091	081	
		189	2270	775	1016	1020	1092	081	
		190	2270	828	1024	1001	1053	081	
	p	66	2260	893	892	—	1068	082	
	p	67	2260	907	1008	—	1060	081	
	p	68	2261	1031	958	—	1073	093	
	p	69	2259	1049	723	—	1052	091	
		191	2260	1077	678	679	1074	091	
22.8	p	70	2293	198	898		1147	091	
		192	2299	711	952	931	1083	083	
		193	2279	777	958	950	1081	090	
		194	2282	869	931	892	1081	089	
	p	71	2290	868	920	—	1079	090	
		195	2280	1133	951	932	1068	093	
		196	2280	1140	850	842	1078	099	
23.0		197	2309	498	1008	1013	1101	086	
		198	2302	571	751	738	1099	088	
		199	2300	573	831	823	1103	090	
		200	2299	710	958	937	1093	891	

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1929phae.proj.12721

Cl-Dk	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn.	L No.
987	835	836	846	846	7.70, 7.70	
976	870	848	892	870	8.17, 7.95	
979	861	—	880	—		
989	940	—	950	—		
1028	806	786	785	766	7.17, 7.04	
1021	904	—	886	—		765 ✗
980	867	857	895	876	8.20, 8.02	
1045	904	898	864	859	7.87, 7.83	
1034	857	—	828	—		107 ✗
1015	931	—	916	—		778 ✗
990	752	751	759	758	6.99, 6.98	
1010	723	—	715	—		625 ✓
1011	935	939	925	927	8.57, 8.58	
972	943	920	972	947	off curve, 8.90	
986	810	—	822	—		570 ✓
979	927	—	948	—		
980	865	—	883	—		541 ✓
961	632	—	657	—		536 ✗
983	587	588	597	598	5.95, 5.96	
1056	807	—	763	—		926 ✗
1000	849	848	869	848	7.94, 7.73	
991	868	860	876	867	8.02, 7.91	
992	842	803	849	810	7.73, 7.39	
989	830	—	840	—		
975	858	839	880	860	8.04, 7.84	
979	751	743	767	759	7.04, 6.99	
1015	922	927	910	915	8.40, 8.45	
1011	663	640	655	634	6.29, 6.15	
1013	741	733	731	723	6.77, 6.72	
1002	867	846	867	846	7.90, 7.72	

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1929phae.proj.12720

Dd Jp-R H 1569 — Jan. 29, 1930

Hrs	Class	Star	Y	X	Dyf	Dyf	Cl	Dk	Volts
23.2	p	72	2320	225	1019	—	1032	090	
		201	2330	289	1047	1021	1110	087	
		202	2320	355	999	997	1119	093	
		203	2322	417	989	960	1110	091	
		204	2329	457	1031	1006	1097	096	
		205	2319	461	988	983	1150	088	
		206	2330	710	665	664	1079	088	
		207	2331	798	1011	1022	1081	083	
	p	73	2322	832	820	—	1063	088	
		208	2321	859	859	870	1071	083	
		209	2322	994	978	962	1063	090	
23.4		210	2340	483	972	950	1102	081	
		211	2341	497	961	989	1101	081	
	p	74	2345	743	978	—	1073	081	
		212	2342	749	840	823	1069	083	
	p	75	2340	782	890	—	1061	087	
		213	2341	903	921	900	1051	082	
	p	76	2342	932	968	—	1067	083	
		214	2342	1113	982	973	1068	088	
23.6	p	77	2360	161	983	—	1103	086	
	p	78	2371	590	962	—	1063	091	
		215	2357	622	946	940	1090	091	
		216	2359	700	830	809	1080	090	
		217	2364	731	1020	1022	1086	090	
		218	2368	887	1018	1040	1070	093	
		219	2371	989	983	970	1066	092	
		220	2367	1093	921	919	1063	093	
23.8		221	2397	208	1012	984	1110	083	
	p	79	2382	277	969	—	1127	091	
	p	80	2392	313	962	—	1120	089	

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1929phae.proj.12723

cc-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag	L. No
942	929	—	986			
1023	960	934	940	914	8.80, 8.44	
1026	906	904	884	881	8.07, 8.04	
1019	898	869	884	854	8.07, 7.79	
1001	935	910	934	909	8.67, 8.39	
1032	900	895	870	865	7.95, 7.89	
991	577	576	582	581	5.87, 5.87	
998	928	939	930	941	8.64, 8.80	
975	732	—	751	—		606 ✓
988	776	787	794	805	7.24, 7.35	
973	888	872	914	898	8.44, 8.24	
1021	891	869	871	851	7.96, 7.75	
1020	880	908	873	890	7.97, 8.15	
992	897	—	904	—		664 ✗
984	757	740	771	752	7.06, 693	
975	803	—	804	—		642 ✓
969	839	818	874	853	7.99, 7.78	
984	884	—	899	—		588 ✗
980	894	885	1000	904	offscreen, 8.32	
1017	897	—	883	—		
972	871	—	897	—		
999	855	849	857	850	7.81, 7.75	
990	740	719	749	729	6.90, 6.75	
996	930	932	935	936	8.70, 8.70	
977	925	947	929	954	8.63, 9.04	
974	891	878	916	895	8.46, 8.20	
970	828	826	858	851	7.83, 7.76	
1027	929	901	905	879	8.34, 8.04	
1036	878	—	838	—		892 ✗
1031	873	—	844	—		880 ✗

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1929phae.proj.12710

NGP – RH 1569 – Jan 29, 1930

Strip	Class.	Star	x	b	Δsft	Δsft	Δt	Δt	Volts
	f	222	2388	359	966	962	1110	090	
	f	223	2392	379	994	993	1126	093	
	f	224	2380	391	973	985	1119	097	
	f	225	2384	418	992	963	1117	094	
	f	226	2395	500	910	893	1092	097	
	p	81	2381	663	920	—	1080	091	
		10	1930	588	262	—	1040	090	
		1	2220	369	454	—	1112	092	
		2	—	—	593	—	1107	091	
		3	—	—	690	—	1088	091	
		4	—	—	650	—	1093	091	
		5	—	—	773	—	1089	092	
		6	—	—	866	—	1076	092	
		7	—	—	873	—	1088	090	
		8	—	—	993	—	1081	091	510

NGP – RH 1569 – Jan 30, 1930

		10	1930	584	290	—	1170	083	555
		1	2220	368	520	—	1199	078	
		2	—	—	663	—	1182	082	
		3	—	—	748	—	1161	088	
		4	—	—	699	—	1162	087	
		5	—	—	827	—	1192	090	
		6	—	—	911	—	1129	088	
		7	—	—	923	—	1138	081	
		8		—	1037	—	1129	091	
240	f	227	2410	281	896	882	1150	082	
	f	228	2411	399	1072	1079	1168	091	
	f	229	2400	430	1082	1079	1161	093	
	p	82	2413	467	891	—	1160	092	
	f	230	2410	553	958	989	1145	088	

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1929phae.proj.12725

cl-Ok	Defl-Ok	Defl-Ok	Red. Defl	Red. Defl.	Mag.	L. No.
1020	876	872	858	854	7.82, 7.78	
1033	901	900	870	869	7.95, 7.94	
1022	876	888	857	873	7.82, 7.97	
1023	898	869	878	849	8.03, 7.74	
995	813	796	868	840	7.93, 7.65	
989	829	—	843	—		713 ✓
950	172	—	181	—		
1020	362	—	354	—		
1016	502	—	494	—		
997	599	—	601	—		
1002	559	—	558	—		
991	681	—	686	—		
984	774	—	785	—		
998	783	—	784	—		
990	902	—	912	—		
1057	207	—	196	—		
1121	442	—	393	—		
1100	581	—	529	—		
1073	660	—	615	—		
1075	612	—	570	—		
1042	737	—	707	—		
1041	823	—	792	—		
1057	842	—	797	—		
1038	946	—	922			
1068	808	800	748	750	6.90, 6.93	
1077	981	988	922	928	8.28, 8.34	
1068	989	986	928	925	8.34, 8.31	
1068	799	—	749	—		805 ✓
1057	870	901	824	852	7.47, 7.69	

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1929phae.proj.12710

NGP – R.A. 1569 – Jan 21, 1930

Strip	Class.	Star	y	x	Dpl	Dpl	cl	Dk	Watts
	p	83	2411	558	1031	—	1140	087	
		231	2400	582	696	696	1157	090	
		232	2400	639	1053	1068	1144	091	
	p	84	2417	711	1051	—	1133	094	
		233	2410	931	989	983	1110	098	
24.2		234	2430	472	1080	1101	1179	101	
24.4		235	2450	540	1019	1030	1164	103	
	p	85	2447	547	1099	—	1181	103	
		236	2440	603	1022	1029	1169	101	
	p	86	2455	749	1011	—	1167	102	
24.6		237	2461	311	875	866	1212	108	
		238	2473	344	533	523	1171	102	
		239	2460	392	1001	983	1170	107	
	p	87	2461	479	1000	—	1177	103	
		240	2461	602	1061	1072	1160	103	
		250	2476	637	1082	1081	1162	100	
		251	2468	792	971	942	1160	106	
		252	2463	833	1042	1043	1141	100	
		253	2468	1050	1074	1060	1153	104	
24.8		254	2498	578	1026	1010	1171	109	
		255	2479	859	1093	1110	1157	106	
		256	2480	961	1063	1079	1161	110	
		257	2489	911	1050	1040	1157	111	
25.0		258	2498	578	1011	1008	1171	112	
	p	88	2513	867	1026	—	1160	111	
25.2	p	89	2519	329	930	—	1197	110	
		259	2527	462	998	992	1196	109	
		260	2532	600	1041	1007	1170	111	
	p	90	2531	769	1040	—	1152	110	
25.4	p	91	2556	460	979	—	1202	111	

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1929phae.proj.12725

Cl.-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	L. No.
1053	944	—	899			
1067	606	606	567	567	5.74, 5.74	
1053	962	977	915	926	8.23, 8.33	
1039	957	—	924	—		688 ✓
1012	891	885	881	875	7.92, 7.87	
1078	979	1000	908	938	8.15, 8.44	
1061	916	927	861	864	7.75, 7.77	
1078	996	—	926	—		951 ✓
1068	921	922	862	862	7.76, 7.76	
1065	909	—	854	—		679 ✓
1104	767	758	696	689	6.56, 6.52	
1069	431	421	406	394	4.65, 4.54	
1063	894	876	840	822	7.59, 7.45	
1074	897	—	844	—		
1057	958	969	907	917	8.14, 8.24	
1062	982	981	932	931	8.36, 8.36	
1054	865	836	814	791	7.38, 7.22	
1041	942	943	904	905	8.12, 8.13	
1049	970	956	925	912	8.32, 8.18	
1062	917	901	865	850	7.78, 7.67	
1051	987	1004	940	952	8.45, 8.56	
1051	953	969	904	920	8.10, 8.26	
1046	939	929	899	889	8.06, 7.99	
1059	899	896	850	848	7.67, 7.65	
1049	915	—	874	—		647 ✗
1087	820	—	755	—		
1087	889	883	819	823	7.43, 7.46	
1059	930	896	880	847	7.92, 7.65	
1042	930	—	883	—		681 ✗
1091	868	—	796	—		807 ✗

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1929phae.proj.12720

XgP - RH 1569 - Jan 30, 1930

Strip	Class	Star	Y	X	Defc	Defc	Rc	Dk	Volts
	p	92	2553	779	1051	—	1182	110	
	f	261	2540	637	940	937	1148	100	
	p	93	2546	853	590	—	1168	108	
	f	262	2540	873	1083	1067	1159	116	
25.8	f	263	2598	609	1053	1053	1190	128	
	p	94	2590	769	1051	—	1188	132	
26.0	f	264	2610	548	1122	1090	1183	133	
		10	1930	584	322	—	1120	128	
		1	2220	368	504	—	1197	121	
		2	—	—	670	—	1169	113	
		3	—	—	750	—	1172	119	
		4	—	—	719	—	1173	114	
		5	—	—	863	—	1159	122	
		6	—	—	930	—	1150	113	
		7	—	—	961	—	1170	120	
		8	—	—	1063	—	1160	118	522

Plate Remarked

XgP - RH 1859 - Jan 31, 1930 515

	10	1930	650	091	—	1157	063	
	1	2260	500	247	—	1160	061	
	2	—	—	379	—	1187	062	
	3	—	—	512	—	1187	065	
	4	—	—	570	—	1178	064	
	5	—	—	749	—	1160	068	
	6	—	—	1048	—	1230	067	
	7	—	—	1020	—	1059	063	
	8	—	—	None marked on plate				
13.8	f	1	1381	736	817	857	1272	071
14.0	f	2	1400	811	1120	1109	1268	071
	p	1	1410	840	829	—	1279	073
14.4	p	2	1450	823	498	—	1281	071

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1929phae.proj.12726

A-Dk	Defl-Dk	Defl-Dk	Red Dfl	Red Defl	Mag	L.No.
1072	941	—	876	—		
1048	840	837	804	800	7.32, 7.29	
1060	482	—	454	—		
1043	967	957	914	912	8.22, 8.18	
1062	925	925	860	860	7.74, 7.74	
1056	919	—	869	—		
1050	989	957	941	911	8.47, 8.18	
992	194	—	176	—		
1076	383	—	358	—		
1056	557	—	527	—		
1053	631	—	600	—		
1059	605	—	564	—		
1037	741	—	716	—		
1037	817	—	789	—		
1050	841	—	802	—		
1042	945	—	905	—		
1094	28	—	26	—		
1099	186	—	170	—		
1125	317	—	282	—		
1122	447	—	398	—		
1114	506	—	456	—		
1092	681	—	624	—		
1163	981	—	845	—		
996	957	—	960			
1201	746	816	621	680	6.44, 6.59	
1197	1049	938	876	785	7.21, 6.92	
1206	746	—	619	—		
1210	427	—	353	—		

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1929phae.proj.12720

XB - RH 1859 - Jan 31, 1930

Strip	Class	Star	y	b	Dyf	Dyf	cl	Dk Volts
15.0	f	3	1501	723	1106	1160	1283	078
15.2	f	4	1530	654	1170	1141	1271	078
	p	3	1530	683	869	—	1253	074
	p	4	1527	977	1063	—	1271	071
15.6	f	5	1562	642	087	087	1229	071
15.8	p	5	1589	382	1029	—	1221	073
16.0	p	6	1607	792	1047	—	1289	076
16.2	f	6	1626	641	1019	1002	1257	078
	f	7	1621	782	1198	1142	1268	080
16.4	f	8	1651	611	1183	1192	1267	077
	f	9	1653	649	688	669	1259	073
16.6	p	7	1670	893	961	—	1280	081
16.8	p	8	1691	729	747	—	1272	088
	p	9	1680	862	940	—	1288	082
	f	10	1691	1004	1142	1231	1283	089
17.0	p	10	1710	477	783	—	1229	086
	f	11	1710	642	1142	1086	1258	088
	f	12	1710	928	960	931	1280	082
17.2	f	13	1716	722	1080	1059	1263	087
	f	14	1733	1172	1029	1026	1283	089
17.4	f	15	1750	1121	1090	1132	1278	088
17.6	p	11	1771	529	1051	—	1283	088
17.8	p	12	1791	189	810	—	1238	084
18.0	p	13	1809	369	1061	—	1239	084
	f	16	1800	946	1110	1097	1260	088
	f	17	1810	1080	829	804	1271	089
18.2	f	18	1830	1283	883	880	1297	089
	p	14	1890	382	940	—	1228	083
	f	19	1839	666	551	551	1253	089
	f	20	1828	691	1004	960	1243	090

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1929phae.proj.12720

a-Dk	Defl Dk	Defl-Dk	Red Defl	Red Defl	mag	L. No.
1205	1028	1082	854	900	7.14 7.29	
1193	1092	1063	915	892	7.34, 7.25	
1179	795	—	674	—		183 ✗
1200	992	—	826	—		297 ✗
1158	16	16	14	14	off curve	
1148	956	—	834	—		51 ✗
1213	971	—	798	—		240 ✓
1179	941	924	800	784	6.94, 6.89	
1188	1118	1062	942	895	7.32, 7.24	
1190	1106	1115	930	936	7.40, 7.41	
1186	615	596	520	504	6.14, 6.10	
1199	880	—	734	—		294 ✓
1184	659	—	556	—		205 ✓
1206	858	—	711	—		279 ✓
1194	1053	1141	883	956	7.23, 7.47	
1147	397	—	346	—		56 ✓
1170	1054	998	900	855	7.29, 7.15	
1198	878	849	734	709	6.73, 6.66	
1176	993	972	845	826	7.10, 7.05	
1194	944	937	790	785	6.94, 6.92	
1191	1002	1044	844	876	7.10, 7.21	
1145	963	—	841	—		62 ✓
1154	726	—	628	—		1214 ✗
1149	977	—	851	—		125 ✓
1172	1022	1009	873	861	7.20, 7.16	
1182	740	715	625	605	6.46, 6.40	
1148	714	741	624	646	6.46, 6.50	
1145	857	—	749	—		1242 ✓
1164	462	462	396	396	5.73, 5.73	
1153	914	870	793	755	6.94, 6.80	

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1929phae.proj.12720

Xgp - R.A. 1859 - Jan 31, 1930

Stag	Class	Star	y	x	Dyl	Dyl	Cl	Nk	Volts
18.4		21	1840	822	1040	988	1279	086	
		15	1840	989	823	—	1271	087	
18.6		22	1869	740	840	842	1253	089	
18.8		16	1879	912	821	—	1200	088	
19.0		23	1912	823	590	590	1267	090	
19.2		17	1918	319	418		1230	088	
		24	1928	879	961	948	1259	084	
19.8		25	1989	239	1170	1019	1224	090	
		26	1990	908	1069	1054	1260	091	
		27	1980	1021	1065	1037	1290	091	
		18	1980	1200	823	—	1249	087	
20.0		28	2016	441	489	481	1219	081	
20.2		29	2020	640	992	978	1224	082	
		30	2020	691	612	607	1225	083	
21.2		31	2127	652	909	849	1240	088	
		32	2120	1327	1089	1038	1247	086	
		14	1930	650	123	—	1203	090	
		1	2260	500	259	—	1206	090	
		2	—	—	429	—	1209	091	
		3	—	—	540	—	1217	090	
		4	—	—	591	—	1204	092	
		5	—	—	783	—	1192	090	
		6	—	—	1031	—	1242	090	
		7	—	—	1108	—	1193	992	510
		8	—	—	Lu	1st	remark		

Xgp - R.A. 1859 - Feb 1, 1930

		14	1930	700	087	—	1129	056	510
		1	2260	549	226	—	1137	056	
		2	—	—	434	—	1159	059	
		3			601	—	1163	061	

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Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag	L No
1193	954	902	800	756	6.97, 6.81	
1184	736	—	621	—		
1164	751	753	646	647	6.51, 6.52	
1162	733	—	630	—		376 ✓
1177	500	500	425	425	5.84, 5.84	
1142	330	—	289	—		
1175	877	864	747	735	6.77, 6.74	No. 2 sequence star
1134	1030	929	910	819	7.32, 7.04	
1169	978	963	838	824	7.08, 7.04	
1199	974	946	814	790	7.02, 6.94	
1162	736	—	633	—		
1138	408	400	358	352	5.57, 5.55	479 ✗
1145	910	896	795	782	6.95, 6.91	
1142	529	524	464	460	5.97, 5.96	
1152	821	761	711	661	6.66, 6.54	
1161	1003	952	865	820	7.18, 7.04	
1113	33	—	30	—		
1116	167	—	150	—		
1118	338	—	378	—		
1127	450	—	400	—		
1112	499	—	450	—		
1102	693	—	628	—		
1152	941	—	820	—		
1101	1016	—	925	—		
1064	31	—	29	—		
1081	170	—	157	—		
1100	375	—	342	—		
1102	440	—	399	—		

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KJP - RH 1859 - Feb 1, 1920

Mag	Class	Star	Y	X	Dyll	Dyll	Cc	Dk	Tolk
		4		—	564	—	1158	061	
		5	—	—	750	—	1141	061	
		6	—	—	962	—	1193	061	
		7	—	—	1071	—	1113	062	
21.4	p	19	2140	868	728	—	1197	062	
		33	2140	895	923	912	1178	063	
	p	20	2149	1219	493	—	1211	063	
21.6	p	21	2169	209	912	—	1171	062	
		34	2170	512	1030	1040	1193	069	
		35	2168	569	998	952	1170	071	
		36	2170	760	791	752	1201	063	
21.8		37	2190	644	828	820	1171	069	
	p	22	2198	1369	531	—	1224	066	
22.0		38	2210	1327	1120	1191	1228	072	
22.2		39	2230	494	1039	1031	1196	072	
	p	23	2220	951	796	—	1236	071	
		40	2237	990	1100	1090	1242	074	
22.4		41	2243	1102	1120	1103	1243	082	
22.6		42	2260	467	1081	1079	1187	082	
		43	2272	860	760	763	1212	083	
		24	2259	1021	842	—	1242	091	
22.8		44	2281	1170	976	968	1246	090	
23.2		45	2322	1020	1113	1119	1242	083	
		46	2320	1182	1074	1101	1239	081	
23.4		47	2353	442	933	939	1190	081	
		48	2351	740	1013	987	1206	087	
	p	25	2353	870	1077	—	1204	082	
		49	2358	993	543	523	1220	086	
24.0	p	26	2404	970	1163	—	1237	089	
24.2	p	27	2428	684	940	—	1198	087	

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1929phae.proj.12721

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag	L.No.
1097	503	—	457	—		
1080	689	—	637	—		
1132	901	—	796	—		
1057	1009	—	958	—		
1135	656	—	634	—		627
1115	860	849	770	760	7.00, 6.96	
1148	430	—	375	—		536
1109	850	—	767	—		1062
1124	961	971	856	866	7.33, 7.36	
1100	928	882	844	804	7.27, 7.13	
1138	728	689	640	605	6.48, 6.26	
1102	759	751	689	681	6.65, 6.63	
1158	465	—	402	—		640
1156	1048	1119	906	966	7.51, 7.12	
1124	967	959	860	855	7.34, 7.32	
1165	725	—	622	—		625
1168	1026	1016	880	870	7.42, 7.37	
1161	1038	1021	894	880	7.47 7.42	
1105	999	997	905	903	7.50, 7.49	
1129	677	680	600	603	6.24, 6.25	
1151	751	—	652	—		606
1156	886	873	766	755	6.98, 6.94	
1159	1030	1036	890	896	7.45, 7.47	
1158	993	1020	857	882	7.34, 7.43	
1109	852	852	770	770	7.00, 7.00	
1119	926	900	830	806	7.22, 7.14	
1122	995	—	887	—		713
1134	457	437	404	386	5.23, 5.13	
1148	1074	—	936	—		679
1111	853	—	766	—		805

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Xyp – R Y 1859 – Feb 1, 1930

Step	Class	Star	y	x	Dyll	Dyll	ll	Dk	Plts
	f	50	2420	690	991	320	1193	089	
	f	51	2429	969	1068	1122	1231	093	
24.4	f	52	2441	532	1012	1048	1200	107	
	f	53	2443	696	1021	003	1162	101	
24.6	p	28	2470	1187	319	—	1210	083	
24.8	f	54	2480	488	960	862	1176	086	
25.2	f	55	2517	694	840	810	1199	089	
25.4	f	56	2550	630	403	392	1190	088	
	f	57	2579	668	929	978	1196	089	
		10	1930	700	128	—	1187	092	
		1	2260	549	260	—	1189	092	
		2	—	—	480	—	1199	094	
		3	—	—	598	—	1259	130	
		4	—	—	631	—	1206	129	
		5	—	—	791	—	1191	118	
		6	—	—	1022	—	1237	111	
		7	—	—	1039	—	1169	110	585
		Xyp –	R Y	1860	—	Put	3, 1920		
		10	1918	727	172	—	1298	121	520
		1	2251	587	338	—	1320	122	
		2	—	—	596	—	1291	127	
		3	—	—	763	—	1297	130	
		4	—	—	796	—	1322	130	
		5	—	—	1019	—	1306	133	
		6	—	—	1173	—	1298	139	
		7	—	—	1253	—	1317	141	
13.8	f	1	1370	813	1000	1020	1288	143	
	p	1	1390	900	1050	—	1311	150	
14.2	p	2	1430	884	758	—	1323	152	
14.8	f	2	1490	802	1251	1273	1320	109	

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1929phae.proj.12720

Cl-Dk	Defl-Dk	Defl Dk	Red Defl	Red Defl	Mag.	L. No
1104	242	231	220	209	4.26, 4.19	
1138	975	1029	856	904	7.34, 7.50	
1093	905	941	830	861	7.23, 7.34	
1061	920	902	865	850	7.35, 7.30	
1117	236	—	212	—		660 X
1090	874	776	800	714	7.10, 6.77	
1110	751	721	676	650	6.62, 6.52	
1102	315	304	286	276	4.60, 4.56	
1107	840	889	760	803	6.97, 7.12	
1095	36	—	33	—		
1097	168	—	153	—		
1105	386	—	350	—		
1099	468	—	427	—		
1077	502	—	467	—		
1073	673	—	628	—		
1126	911	—	809	—		
1059	929	—	878	—		
1177	151	—	143	—		
1198	216	—	181	—		
1164	469	—	403	—		
1167	633	—	542	—		
1192	666	—	560	—		
1173	876	—	747	—		
1159	1034	—	893	—		
1146	1112	—	972	—		
1145	857	887	750	775	6.59, 6.67	
1161	905	—	777	—		242 X
1171	602	—	513	—		239 X
1161	1092	1114	940	960	7.31, 7.42	

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Hyp - RH 1860 - Feb 3, 1920

Mag	Class	Star	y	x	Dyfl	Dxfl	Cl.	Dk	Notes
15.0	p	3	1517	748	1119	—	1349	159	
	p	4	1503	1039	1267	—	1350	159	
15.4	f	3	1550	721	190	187	1317	157	
15.8	p	5	1583	448	1213	—	1350	154	
16.0	f	4	1611	720	1779	1200	1366	161	
16.4	p	5	1640	729	891	931	1370	161	
	p	6	1651	961	1141	—	1355	166	
16.6	p	7	1661	931	1229	—	1379	170	
16.8	p	8	1679	797	992	—	1389	170	
17.0	p	9	1701	546	799	—	1378	171	
	f	6	1701	802	1238	1314	1373	170	
	f	7	1697	1008	1188	1190	1382	169	
17.2	f	8	1721	1252	1210	1260	1373	168	
17.6	p	10	1763	600	1297	—	1390	162	
17.8	p	11	1796	259	979	—	1373	161	
	f	9	1787	1026	1301	1330	1373	169	
18.0	f	10	1812	771	1193	1239	1376	164	
	f	11	1800	1161	1062	1080	1389	159	
	p	12	1811	1262	1127	—	1362	150	
18.2	f	12	1818	363	1039	1041	1362	151	
	p	13	1824	457	1180	—	1370	151	
	f	13	1821	744	817	792	1371	150	
	f	14	1828	902	1222	1206	1360	150	
18.6	p	Dup H 3 sequence	1860	629	881	—	1370	151	
	f	15	1856	819	1134	1104	1370	157	
	p	14	1859	987	1081	—	1383	159	
19.0	f	16	1901	903	840	848	1372	163	
	f	17	1913	958	1160	1205	1370	166	
19.2	f	18	1926	687	1312	1307	1380	172	
19.4	p	15	1950	1278	1070	—	1377	153	

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1929phae.proj.12720

Cl–Dk	Defl-Dk	Defl-Dk	Red. Defl	Red Defl	Mag	L. No
1190	960	—	807	—		183 ✓
1191	1108	—	930	—		297 ✓
1160	33	30	29	26	off curve	
1196	1059	—	884	—		51 ✓
1205	1018	1039	845	860	6.93, 6.98	
1209	730	770	605	638	6.09, 6.22	
1189	975	—	822	—		294 ✓
1209	1059	—	875	—		279 ✓
1219	822	—	674	—		205 ✓
1207	628	—	520	—		56 ✓
1203	1068	1144	886	950	7.07, 7.36	
1213	1019	1021	840	844	6.90, 6.92	
1205	1042	1092	865	906	7.00, 7.16	
1228	1235	—	1002	—		62 ✓
1212	818	—	673	—		1214 ✗
1204	1132	1161	940	965	7.21, 7.45	
1212	1029	1075	850	885	6.94, 7.07	
1230	903	921	734	748	6.54, 6.58	
1212	977	—	805	—		426 ✗
1211	882	890	729	736	6.53, 6.55	
1219	1029	—	844	—		1242 ✓
1221	667	642	543	525	5.85, 5.78	
1210	1072	1056	887	872	7.07, 7.03	
1213	977	947	805	780	6.77, 6.68	
1224	922	—	752	—		376 ✓
1209	677	685	560	567	5.93, 5.96	
1204	994	1039	822	861	6.84, 6.98	
1208	1140	1135	943	938	7.33, 7.30	
1224	917	—	748	—		479 ✗

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1929phae.proj.12720

Zyp-RH 1860 – Feb 3, 1930

Trip	Class	Star	y	x	Diff	Diff	Cl	Dk	Volts
19.6	f	19	1977	318	1249	1238	1401	156	
	f	20	1968	1100	1214	1221	1383	167	
19.8	p	16	1995	912	1323	—	1387	168	
	f	21	1977	988	1255	1251	1371	161	
20.0	f	22	2002	521	696	757	1380	161	
	f	23	2008	720	1220	1210	1387	166	
	f	24	2007	770	820	830	1370	159	
	p	17	2010	1409	1297	—	1373	160	
21.0	f	25	2112	731	1187	1151	1423	201	
21.2	p	18	2120	902	1150	—	1412	212	
	f	26	2128	927	1212	1252	1402	216	
	p	A	2120	1253	849	—	1412	217	
21.4	f	27	2154	600	1397	1350	1457	230	
21.6	p	20	2170	293	1277	—	1444	227	
	f	28	2158	543	1329	1343	1467	241	
	f	29	2160	792	1060	1141	1427	229	
21.8	f	30	2180	678	1222	1168	1453	240	
22.0	f	31	2204	927	1367	1391	1430	240	
	p	21	2200	989	1131	—	1433	233	
22.2	f	32	2218	527	1380	1361	1480	240	
	f	33	2222	1021	1387	1387	1447	249	
	p	22	2237	1060	1190	—	1453	250	
		10	1918	727	300	—	1449	251	
		1	2251	587	473	—	1460	243	
		2	—	—	693	—	1440	240	
		3	—	—	909	—	1444	241	
		4	—	—	899	—	1471	239	
		5	—	—	1137	—	1463	243	
		6	—	—	1313	—	1432	237	
		7	—	—	1364	—	1430	230	520

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1929phae.proj.12721

a-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag	L.NO.
1245	1093	1082	881	870	7.05, 7.02	
1216	1047	1054	861	866	6.98, 7.00	
1219	1155	—	947	—		
1210	1094	1090	904	901	7.14, 7.13	
1219	535	590	438	567	5.47, 6.95	
1221	1054	1044	864	856	6.99, 6.96	
1211	661	671	545	553	5.86, 5.89	
1213	1137	—	936	—		
1222	986	950	808	777	6.77, 6.67	
1200	938	—	782	—		627 ✓
1186	996	1036	840	873	6.90, 7.03	
1195	632	—	528	—		536 ✗
1227	1107	1120	902	913	7.19, 7.18	
1217	1050	—	863	—		1030 ✗
1226	1078	1102	880	900	7.05, 7.13	
1198	831	912	695	763	6.43, 6.63	
1213	982	928	810	766	6.78, 6.65	
1190	1127	1151	949	970	7.36, 7.47	
1200	898	—	747	—		625 ✓
1240	1140	1121	918	905	7.20, 7.15	
1198	1138	1138	952	952	7.37, 7.37	
1203	940	—	781	—		606 ✓
1198	49	—	43	—		
1217	230	—	188	—		
1200	453	—	378	—		
1203	668	—	556	—		
1232	660	—	537	—		
1220	884	—	655	—		
1195	1076	—	901	—		
1200	1134	—	947	—		

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mkD RH 1860 Feb. 4, 1930

Temp	Class	Star	γ	δ	Diff	Diff	α	Dk	Volts
		13	1918	712	120	—	1287	070	5.1
		1	2251	572	284	—	1298	070	
		2	—	—	534	—	1290	073	
		3	—	—	718	—	1289	072	
		4	—	—	745	—	1320	075	
		5	—	—	980	—	1320	074	
		6	—	—	1200	—	1290	077	
		7	—	—	1235	—	1302	078	
		8	—	not seen				—	
22.6	f	34	2260	879	920	920	1294	074	
	f	35	2270	1188	1137	1150	1310	074	
22.8	f	+	2290	1309	1280	—	1310	not a star	
23.4	f	36	2340	460	1170	1175	1358	075	
	f	37	2340	759	1178	1177	1312	073	
	f	38	2345	1010	675	680	1315	080	
24.0	f	39	2400	709	430	440	1388	090	
	p	23	2415	714	1140	—	1330	085	
24.4	p	24	2445	1121	480	—	1334	090	
24.6	f	40	2468	503	1105	1100	1352	090	
25.0	f	41	2504	711	1045	1058	1330	092	
25.4	p	25	2550	609	1205	—	1350	093	
	f	42	2540	649	570	563	1340	095	
		13	1918	712	145	—	1325	090	
		1	2251	572	320	—	1327	090	
		2	—	—	552	—	1307	090	
		3	—	—	740	—	1304	090	
		4	—	—	755	—	1325	089	
		5	—	—	1000	—	1330	090	
		6	—	—	1159	—	1300	099	
		7	—	—	1225	—	1300	092	
		8	—	not seen				—	

Plate finished

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Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	mag.	L. No
1217	50	—	41	—		
1228	214	—	174	—		
1217	461	—	380	—		
1217	646	—	531	—		
1245	670	—	538	—		
1246	906	—	727	—		
1213	1123	—	927	—		
1224	1157	—	945	—		
1220	846	846	695	695	6.38, 6.38	
1236	1063	1076	861	870	7.05, 7.09	
1283	1095	1100	855	856	7.04, 7.04	
1239	1105	1104	895	894	7.20, 7.19	
1235	595	600	483	485	5.62, 5.63	
1248	340	350	273	280	4.82, 4.85	
1245	1055	—	847	—		805 ✓
1244	390	—	313	—		660 ✗
1262	1015	1010	805	800	6.84, 6.81	
1238	953	966	770	780	6.68, 6.72	
1257	1112	—	884	—		844 ✗
1245	475	468	382	376	5.27, 5.26	
1235	55	—	45	—		
1237	230	—	186	—		
1217	462	—	380	—		
1214	650	—	535	—		
1236	666	—	539	—		
1231	901	—	731	—		
1201	1054	—	876	—		
1208	1133	—	940	—		

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HJP-RH 1890 - Feb 4, 1921

Strip	Class	Star	γ	δ	$\Delta\gamma\delta$	$\Delta\gamma\delta$	Cl	Δk	Volts
		14	2040	760	110	—	1070	110	
		1	1770	513	183	—	1136	125	
		2	—	—	319	—	1149	140	
		3	—	—	358	—	1139	148	
		4	—	—	364	—	1170	151	
		5	—	—	465	—	1160	149	
		6	—	—	572	—	1173	153	
		7	—	—	652	—	1204	160	
		8	—	—	913	—	1117	140	
15.0	p	1	1510	610	1037	—	1179	138	
	p	1	1504	753	881	920	1161	141	
15.2	p	2	1514	512	998	1058	1173	131	
	p	3	1520	540	1081	1048	1174	131	
	p	2	1529	731	709	—	1161	130	
	p	3	1531	871	889	—	1147	123	
15.4	p	4	1550	476	912	—	1161	119	
	p	4	1549	478	1022	1064	1156	120	
	p	5	1550	542	1040	—	1152	120	
	p	6	1542	089	1080	—	1160	118	
	p	5	1551	631	1051	1062	1157	116	
	p	7	1549	660	869	—	1168	129	
	p	8	1543	667	1040	—	1152	133	
	p	9	1540	687	1067	—	1169	147	
	p	10	1539	705	089	—	1169	150	
	p	11	1542	796	997	—	1195	167	
	p	6	1541	931	921	953	1200	178	
15.6	p	12	1570	455	1053	—	1222	181	
	p	13	1568	517	1073	—	1211	187	
	p	7	1558	703	1153	1131	1231	189	
	p	8	1570	709	804	822	1210	191	

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cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	mag	L.NO
960	0	—	0	—		
1011	58	—	57	—		
1009	179	—	178	—		
991	210	—	212	—		
1019	213	—	209	—		
1011	316	—	312	—		
1020	419	—	412	—		
1044	492	—	472	—		
977	773	—	790	—		
1041	899	—	864	—		
1020	740	779	725	764	8.17, 8.31	
1042	867	927	833	890	off curve	
1043	950	917	910	880	off curve	
1031	679	—	561	—		1043 ×
1024	766	—	750	—		1110 ×
1042	793	—	760	—		
1036	902	944	870	910	off curve	
1032	920	—	890	—		
1042	962	—	924	—		
1041	935	946	900	910	off curve	
1039	740	—	714	—		
1019	907	—	893	—		
1029	920	—	895	—		
1019	439	—	431	—		1030 ×
1028	830	—	808	—		
1022	743	775	726	759	8.18, 8.29	
1041	872	—	836	—		
1024	886	—	866	—		
1042	964	942	924	904	off curve	
1019	613	631	603	620	7.75, 7.80	

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H.J.P. - R.A. 1890 - Feb. 4, 1930

Strip	Class	Star	y	x	Defl	Defl	Cl	dk	Volts
	p	14	1568	870	1128	—	1219	193	
	p	15	1560	923	1003	—	1217	194	
15.8	p	16	1593	388	1110	—	1233	191	
	p	17	1590	471	472	—	1248	193	
	f	9	1587	483	897	911	1241	191	
	p	18	1579	719	1036	—	1206	197	
	p	19	1580	722	790	—	1193	188	
	p	20	1582	941	1104	—	1231	194	
16.0	p	21	1611	440	956	—	1243	196	
	f	10	1602	490	410	401	1249	203	
	f	11	1609	573	1020	1049	1230	199	
	f	12	1601	669	1022	1033	1238	209	
	p	22	1601	700	1144	—	1231	207	
~~16.2~~	~~f~~		~~1618~~	~~569~~	~~1061~~	~~1060~~	~~1222~~	~~187~~	

Con in Bk 7 & P. no 7

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Cl. – Dk	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn	L. No.
1026	935	—	910	—		
1023	809	—	791	—		
1042	919	—	881	—		
1055	279	—	265	—		926*
1050	706	720	674	685	7.99, 8.03	
1009	859	—	851	—		~~1044~~
1005	602	—	600	—		1044*
1036	910	—	880	—		
1047	760	—	725	—		
1046	207	198	198	189	5.65, 5.55	
1031	821	844	796	816	8.42, off curve	
1029	813	824	790	800	8.40, 8.44	
1023	937	—	915	—		1031*

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2gp RH 1906 - Feb 20, 1930
continued from BK74 p 64

Strip	Class	Star	Y	X	Defl	Defl	Cl	Dk	Plts
		14	1970	874	,54	—	781	,159	520
		1	1861	528	208	—	832	,150	
		2			203	—	849	,159	
		3	—	—	242	—	873	167	
		4	—	—	312	—	859	161	
		5	—	—	341	—	872	167	
		6	—	—	498	—	891	162	
		7	—	—	571	—	881	169	
		8	—	—	681	—	890	162	
16.8	p	22	1692	390	730	—	872	159	
		41	1679	508	780	787	870	159	
		42	1688	693	653	638	900	161	
		43	1683	721	823	797	891	162	
		44	1680	769	823	789	900	162	
		45	1690	779	742	748	883	162	
		46	1681	803	811	812	913	168	
		23	1689	942	403	—	892	164	
		47	1689	1110	363	361	902	162	
17.0		48	1704	397	724	710	877	162	
		49	1699	711	830	797	889	167	
		50	1698	828	728	736	903	173	
		51	1704	911	759	758	893	169	
		24	1701	941	567	—	907	169	
		52	1702	988	572	549	900	161	
		25	1710	1060	734	—	903	163	
		53	1700	1103	531	547	914	173	
		26	1700	1113	747	—	902	167	
		54	1699	1216	790	700	907	167	
		55	1698	1232	777	780	888	160	
		56	1701	1288	168	169	860	160	

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Cl Dk	Defl Dk	Defl Dk	Red Defl	Red Defl	Mag	L No
634	1	—	1	—		
682	58	—	85	—		
690	44	—	64	—		
706	75	—	106	—		
698	151	—	216	—		
705	174	—	246	—		
729	336	—	460	—		
712	402	—	564	—		
728	519	—	714	—		
713	571	—	801	—		
711	621	628	874	884	off curve, off curve	
739	492	477	665	646	8.00, 7.90	
729	641	635	880	870	off curve, off curve	
738	651	627	881	850	off curve, off curve	
721	580	586	805	814	off curve, off curve	
745	643	644	869	864	off curve, off curve	
728	239	—	328	—		1242 ✓
740	201	199	271	269	6.43, 6.40	
715	562	548	785	766	off curve, off curve	
722	663	630	919	873	off curve, off curve	
730	555	563	760	770	off curve, off curve	
724	590	589	815	814	off curve, off curve	
738	398	—	538	—		1246 ✓
739	411	382	555	516	7.55, 7.36	
740	571	—	771	—		
741	358	374	484	505	7.23, 7.31	
735	580	—	790	—		
740	623	583	840	786	off curve, off curve	
728	617	620	847	850	off curve, off curve	
700	8	9	11	12	3.07, 3.08	

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Nyp – C H 1906 – Feb. 20, 1930.

Trip	Class	Star	N	D	Dyl	Dyl	Cl	Dk	Plates
17.2	f	57	1718	358	742	747	880	167	
		27	1720	382	790	—	885	168	
		28	1730	407	642	—	871	170	
		58	1722	520	749	753	900	178	
		59	1733	550	529	511	887	170	
		60	1735	559	766	776	859	176	
		29	1722	580	816	—	923	187	
		61	1723	638	810	822	923	183	
		62	1720	657	699	697	900	194	
		63	1727	671	723	748	914	201	
		64	1720	703	753	749	940	202	
		65	1717	748	599	569	929	208	
		30	1731	750	607	—	913	203	
		31	1720	787	768	—	907	200	
		66	1730	842	803	811	924	201	
		67	1721	872	839	832	922	208	
		68	1730	894	844	850	927	208	
		69	1720	906	388	397	917	203	
		70	1730	908	843	860	922	209	
		71	1731	920	612	610	943	200	
		72	1730	933	819	818	913	209	
		32	1732	974	433	—	911	203	
		73	1728	1066	831	809	911	201	
		74	1730	1147	593	587	928	210	
		75	1732	1159	752	720	939	208	
		76	1720	1172	839	840	932	197	
17.4		77	1757	447	710	704	908	208	
		78	1740	451	746	765	917	202	
		79	1739	457	817	817	912	204	
		80	1741	478	850	839	912	203	

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A-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag. L. No.
713	575	580	806	815	off curve, off curve
714	622	—	866	—	
701	472	—	672	—	
727	546	580	792	796	off curve, off curve
717	359	341	501	475	7.29, 7.21
683	590	570	865	835	off curve, off curve
716	629	—	876	—	
720	627	639	870	885	off curve, off curve
706	505	503	715	710	8.23, 8.21
713	522	547	732	768	8.33, off curve
738	551	547	746	741	8.40, 8.37
721	391	361	542	550	7.46, 7.28
710	404	—	568	—	1109 ✓
707	568	—	804	—	
723	602	610	832	844	off curve, off curve
714	625	624	875	875	off curve, off curve
719	636	642	885	892	off curve, off curve
714	185	194	260	272	6.40, 6.43
719	640	657	890	915	off curve, off curve
743	412	410	554	552	7.50, 7.49
704	610	609	866	865	off curve, off curve
708	290	—	324	—	1279 ✓
710	630	608	886	856	off curve, off curve
718	383	377	533	525	7.42, 7.40
731	544	512	744	700	8.39, 8.16
735	636	603	865	820	off curve, off curve
700	502	496	715	710	8.24, 8.21
715	544	563	760	785	off curve, off curve
708	613	613	865	865	off curve, off curve
709	647	630	914	890	off curve, off curve

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Eqp-RA 1906- Feb 20, 1930

Strip	Class	Star	y	b	Dyll	Dyll	Cl	dk	Talk
		81	1740	596	728	689	923	209	
		82	1749	617	529	510	929	210	
		83	1750	707	300	304	923	210	
		84	1740	720	348	353	920	203	
		85	1740	749	733	721	906	203	
		86	1740	822	740	740	916	208	
		87	1749	839	823	813	939	207	
		33	1748	859	737	—	933	208	
		88	1740	871	789	773	932	212	
		34	1746	980	824	—	948	212	
		35	1747	991	819	—	943	219	
		89	1754	1002	828	823	949	216	
		90	1749	1107	847	849	940	211	
		91	1742	1133	699	698	912	219	
		92	1750	1162	820	813	960	231	
		93	1748	1183	753	752	940	219	
		94	1740	1199	750	772	929	220	
		10	1970	844	210	—	849	203	
		1	1867	528	268	—	891	203	
		2	—	—	253	—	904	200	
		3	—	—	300	—	922	203	
		4	—	—	353	—	930	203	
		5	—	—	992	—	913	199	
		6	—	—	527	—	938	203	
		7	—	—	587	—	907	192	
		8	—	—	711	—	922	192	570

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C-Ok	Defl Ok	Defl Ok	Red Defl	Red Defl	Mag	L No
714	514	480	720	673	8.26, 8.04	
719	319	300	443	417	7.12, 7.00	
713	90	97	126	136	5.76, 5.83	
717	145	150	202	209	6.13, 6.16	
703	530	517	755	737	8.43, 8.36	
708	532	532	750	750	8.42, 8.42	
732	616	606	841	830	off curve, off curve	
725	529	—	730	—		1189
720	577	561	802	780	off curve, off curve	
736	612	—	830	—		
724	600	—	830	—		
733	612	607	835	830	off curve, off curve	
729	636	638	875	876	off curve, off curve	
693	480	479	693	692	8.13, 8.12	
729	589	582	807	799	off curve, off curve	
721	534	533	740	739	8.36, 8.36	
709	530	552	750	776	8.41, off curve	
646	—	7	—	11		
688	—	65	—	95		
704	—	53	—	76		
719	—	97	—	135		
727	—	150	—	206		
714	—	193	—	270		
735	—	324	—	440		
715	—	395	—	553		
730	—	519	—	710		

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RH 1906 — Oct 22, 1930

Strip	Class	Star	y	x	Δyll	Δyl	Dl	Dk	Volts
		10	1970	849	153	—	767	131	520
		1	1867	493	181	—	800	133	
		2	—	—	211	—	822	138	
		3	—	—	277	—	838	142	
		4	—	—	316	—	842	150	
		5	—	—	429	—	849	162	
		6	—	—	560	—	863	157	
		7	—	—	593	—	869	157	
		8	—	—	708	—	859	159	
17.6	p	36	1767	361	729	—	860	160	
	p	95	1769	396	760	767	879	168	
	p	96	1761	517	759	718	876	172	
	p	97	1770	608	788	753	868	163	
	p	98	1765	739	532	551	879	166	
	p	99	1760	882	679	641	880	166	
	p	37	1760	939	709	—	881	163	
	p	100	1769	957	807	797	880	170	
	p	38	1762	1047	282	—	893	167	
	p	101	1760	1129	640	629	880	169	
	p	39	1761	1163	690	—	891	170	
	p	102	1763	1193	763	772	880	167	
	p	103	1769	1211	759	745	879	163	
	p	40	1761	1213	788	—	867	171	
	p	104	1760	1255	600	588	879	167	
	p	41	1770	1328	719	—	865	167	
17.8	p	105	1780	304	497	531	880	161	
	p	106	1790	550	818	870	883	180	
	p	107	1789	515	557	568	872	170	
	p	108	1789	556	790	811	890	177	
	p	42	1790	772	767	—	888	168	

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C-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag	L.NO
636	22	—	34	—		
667	48	—	72	—		
684	73	—	107	—		
696	135	—	194	—		
692	166	—	240	—		
687	267	—	388	—		
706	403	—	570	—		
712	436	—	612	—		
700	549	—	785	—		
700	569	—	811	—		
711	592	599	832	841	off curve, off curve	
704	587	546	835	776	off curve, 8.27	
705	625	590	885	837	off curve, off curve	
713	366	385	514	540	6.93, 7.04	
714	483	475	675	665	7.68, 7.62	
718	546	—	760	—		
710	637	627	897	885	off curve, off curve	
726	115	—	158	—		56 ✓
711	471	460	661	646	7.60, 7.49	
721	520	—	720	—		90 +
713	596	605	835	850	off curve, off curve	
716	596	582	830	811	off curve, off curve	
696	617	—	885	—		
712	433	421	607	591	7.28, 7.23	
698	552	—	790	—		
719	336	370	466	515	6.70, 6.93	
703	638	690	910	980	off curve, off curve	
702	387	398	551	566	7.08, 7.13	
713	613	634	860	889	off curve, off curve	
712	599	—	841			

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2GP - RH 1906 - Dec 22, 1930

Strip	Class	Star	α	δ	Dyll	Dyll	Cl	Dk Plate
		109	1775	808	740	741	879	171
		110	1790	816	769	788	859	170
		111	1782	879	777	770	878	172
		112	1780	886	810	771	887	172
		43	1789	982	780	—	884	172
		113	1780	1043	743	741	881	168
		114	1790	1149	783	787	877	171
		115	1787	1220	635	639	878	171
		116	1787	1321	800	776	877	177
18.0		117	1802	415	611	593	883	162
		44	1813	437	642	—	880	163
		118	1808	547	607	603	887	162
		119	1803	689	742	712	876	159
		45	1817	797	627	—	869	158
		120	1800	877	643	670	862	161
		121	1799	1002	822	783	847	152
		122	1804	1010	653	669	869	158
		123	1802	1269	589	592	873	158
		124	1803	1301	687	693	859	158
		46	1801	1926	708	—	858	161
18.2		47	1836	320	771	—	893	163
		48	1818	540	690	—	893	162
		125	1818	589	740	747	888	161
		49	1832	600	738	—	870	159
		126	1827	813	770	738	889	161
		127	1838	820	404	431	868	158
		128	1820	887	531	528	859	151
		129	1830	937	742	768	852	153
		50	1823	991	580	—	868	153
		51	1830	1148	643	—	859	154

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cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	l. No.
708	569	570	804	805	off curve, off curve	
689	599	618	870	898	off curve, off curve	
706	605	598	855	848	off curve, off curve	
715	638	599	894	839	off curve, off curve	
712	608	—	855	—		
713	575	573	806	804	off curve, off curve	
706	612	616	865	871	off curve, off curve	
707	464	468	655	662	7.54, 7.60	
700	623	599	890	855	off curve, off curve	
721	449	431	621	596	7.37, 7.23	
717	479	—	666	—		907 ✓
725	445	441	615	608	7.33, 7.29	
717	583	553	811	770	off curve, 8.25	
711	469	—	659	—		1171 ✓
701	482	509	686	725	7.75, 7.97	
695	670	631	964	906	off curve, off curve	
711	495	505	695	710	7.80, 7.88	
715	431	434	603	606	7.27, 7.28	
701	529	535	755	764	8.15, 8.23	
697	547	—	785	—		135+
730	608	—	834	—		892+
731	528	—	722	—		948 ✓
727	579	586	795	805	off curve, off curve	
717	585	—	815	—		
722	609	577	845	801	off curve, off curve	
710	246	273	346	384	6.26, 6.38	
708	380	377	536	533	7.01, 6.98	
699	589	615	840	880	off curve, off curve	
715	427	—	597	—		62 ✓
705	489	—	694	—		118 ✓

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DM - RH 1906 - Feb. 22, 1930

Mag	Class	Star	y	x	Dyf	Dyf	Cc	Dk	Talks
		130	1830	1197	562	550	852	151	
		131	1837	1342	206	218	823	148	
18.4		132	1849	244	778	759	882	153	
		133	1851	397	738	718	882	153	
		134	1840	787	739	742	867	156	
		135	1846	803	404	409	857	158	
		136	1842	870	657	693	883	154	
		137	1851	1139	570	569	863	149	
		138	1849	1298	708	739	857	152	
18.6		52	1872	326	577	—	869	151	
		139	1864	387	441	440	881	149	
		140	1863	389	210	223	882	150	
		141	1866	489	678	636	892	151	
		142	1870	557	682	677	867	150	
		143	1870	561	742	729	862	151	
		144	1859	592	322	320	870	147	
		53	1870	632	758	—	867	147	
		145	1870	786	750	727	858	148	
		146	1860	858	652	643	882	150	
		147	1868	872	600	589	870	147	
		148	1870	873	706	733	870	152	
		149	1866	953	791	768	860	163	
		54	1860	1038	747	—	870	161	
		150	1863	1077	603	597	877	157	
18.8		151	1891	507	688	684	867	148	
		152	1887	619	418	436	879	149	
		55	1878	1159	653	—	857	152	
		153	1888	1147	663	673	860	148	
		154	1890	1252	754	755	849	150	
		155	1891	1332	768	792	833	152	

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Cl-Dk	Defl Dk	Defl Dk	Red Defl	Red Defl	Mag	L. h.
701	411	399	586	570	7.21, 7.15	
675	58	65	86	96	4.50, 4.81	
729	625	600	856	825	off curve, off curve	
729	585	547	804	750	off curve, 7.61	
711	583	586	820	825	off curve, off curve	
699	246	251	352	359	6.28, 6.29	
729	503	539	690	739	7.77, 8.03	
714	421	420	590	589	7.22, 7.21	
705	556	587	790	834	8.46, off curve	
718	426	—	594	—		880+
732	292	291	398	398	6.42, 6.42	
732	60	73	82	99	4.40, 4.88	
741	527	485	711	655	7.90, 7.55	
717	532	527	740	735	8.05, 8.02	
711	591	578	831	814	off curve, off curve	
723	175	173	242	240	5.89, 5.87	
720	611	—	850	—		977+
710	602	579	846	815	off curve, off curve	
732	502	493	685	674	7.76, 7.68	
723	453	442	625	611	7.36, 7.32	
718	554	581	770	810	8.24, off curve	
697	628	605	900	860	off curve, off curve	
709	586	—	826	—		
720	446	440	620	610	7.35, 7.30	
719	540	539	751	750	8.11, 8.10	
730	269	287	369	393	6.33, 6.42	
705	501	—	711	—		
712	515	525	725	737	7.97, 8.03	
699	604	605	864	865	off curve, off curve	
681	616	640	905	940	off curve, off curve	

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210

Zgp - R H 1906 - Dec 22, 1920

Strip	Class	Star	Ny	x	Dyp	Dyp	α	Δt	Path
9.0	f	156	1911	+13	762	760	880	159	
	p	56	1907	569	760	—	862	153	
	f	157	1903	852	160	170	809	151	
	f	158	1901	957	601	597	847	153	
	f	159	1910	972	530	532	853	151	
	f	160	1901	1097	787	780	865	152	
	f	161	1903	1152	758	749	863	157	
	f	162	1908	1250	383	393	849	157	
19.2	f	57	1932	217	548		872	159	
	f	163	1920	+09	622	573	877	157	
	f	164	1930	+36	880	773	883	157	
	f	165	1923	598	770	750	873	158	
	f	166	1927	695	730	687	870	157	
	f	167	1932	920	644	611	848	157	
	f	168	1920	1053	700	754	863	153	
	p	58	1930	1057	708	—	859	157	
	f	169	1920	1098	807	767	851	158	
	f	170	1923	1389	753	749	850	159	
	f	171	1922	1348	670	678	850	158	
		10	1970	899	170	—	813	155	
		1	1867	+93	207	—	843	152	
		2	—	—	930	—	859	153	
		3	—	—	301	—	860	161	
		4	—	—	351	—	870	160	
		5	—	—	452	—	861	153	
		6	—	—	583	—	882	153	
		7	—	—	629	—	872	154	
		8	—	—	712	—	869	156	515

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C-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag	L.No
727	609	607	836	835	off curve, off curve	
709	607	—	855	—		
658	9	19	14	29	off curve, 255	
694	447	444	645	640	7.48, 7.46	
702	379	381	540	544	7.03, 7.06	
713	635	628	890	882	off curve, off curve	
706	601	592	850	836	off curve, off curve	
692	226	236	326	340	6.18, 6.23	
713	389	—	545	—		544
720	465	416	645	580	7.48, 7.18	
726	643	616	884	850	off curve, off curve	
715	612	592	855	828	off curve, off curve	
713	573	530	805	745	off curve, 8.07	
691	487	454	705	656	7.86, 7.54	
710	597	601	840	846	off curve, off curve	
702	551	—	785	—		
693	649	609	935	882	off curve, off curve	
691	594	590	860	855	off curve, off curve	
692	512	520	740	750	8.05, 8.11	
658	—	15	23	—		
691	—	55	80	—		
706	—	77	109	—		
699	—	140	200	—		
710	—	191	269	—		
708	—	299	423	—		
729	—	430	590	—		
718	—	449	625	—		
713	—	556	780	—		

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212

FMC RH 1906 Feb. 24, 1930

Strip	class	star	y	x	Diff	Diff	cl	Dk	Koch
		15	1970	840	189	—	770	171	
		1	1867	491	220	—	810	172	
		2	—	—	235	—	810	170	
		3	—	—	275	—	832	171	
		4	—	—	331	—	840	180	
		5	—	—	448	—	865	210	
		6	—	—	590	—	907	229	
		7	—	—	652	—	894	229	
		8	—	—	750	—	895	230	
19.4	f	172	1947	620	781	745	899	225	
	f	173	1951	709	780	769	890	219	
	f	174	1950	852	470	479	912	238	
	fp	59	1941	908	741	—	878	211	
	fp	60	1942	1240	448	—	870	200	
	f	175	1953	1380	432	409	855	200	
19.6	f	176	1970	360	610	615	870	200	
	f	177	1960	380	751	750	880	198	
	fp	61	1961	695	640	—	870	181	
	f	178	1962	908	711	731	880	190	
	f	179	1960	951	690	670	890	192	
	f	180	1969	1200	700	685	861	189	
	fp	62	1960	1388	719	—	861	192	
	f	181	1979	1392	960	962	845	180	
19.8	f	182	1980	269	689	640	880	189	
	f	183	1999	430	600	572	877	180	
	f	184	1980	604	381	389	870	181	
	f	185	1980	702	430	400	892	183	
	fp	63	1989	860	715	—	869	179	
	f	186	1981	891	652	660	870	172	
	f	187	1990	1271	590	595	842	170	

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1929phae.proj.12720

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag	L.No
599	18	—	30	—		
638	48	—	75	—		
640	65	—	102	—		
661	104	—	158	—		
660	151	—	229	—		
655	238	—	364	—		
678	361	—	533	—		
665	423	—	635	—		
665	520	—	780	—		
674	556	520	825	774	off curve, 7.74	
671	561	550	835	820	off curve, off curve	
674	232	241	344	357	6.41, 6.47	
667	530	—	795	—		105
670	248	—	370	—		183
655	232	209	354	320	6.47, 6.34	
670	410	415	612	619	7.49, 7.52	
682	553	552	810	809	8.42, 8.41	
689	459	—	665	—		
690	521	541	755	784	8.16, 8.39	
698	498	478	713	685	7.97, 7.83	
672	511	496	760	740	8.18, 8.08	
669	527	—	790	—		
665	180	182	270	274	6.16, 6.13	
691	500	451	724	652	8.02, 7.68	
697	420	392	600	565	7.42, 7.28	
689	200	208	290	302	6.21, 6.26	
709	247	217	349	307	6.44, 6.28	
690	536	—	776	—		
698	480	488	686	700	7.83, 7.89	
672	420	425	625	632	7.54, 7.58	

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214

FMC RH 1906 Feb. 24, 1930

Strip	class	star	y	y	Dyfe	Dyfe	cl	Dh	
19.8	p	64	1990	1370	630	—	850	182	
20.0	p	65	2011	191	591	—	891	200	
	f	188	2005	370	762	768	881	190	
	f	189	2000	430	610	619	862	180	
	f	190	2010	589	760	760	870	180	
	f	191	2010	749	690	710	865	180	
	f	192	2011	997	620	621	859	170	
	f	193	2000	1079	319	329	875	180	
	p	66	2010	1085	378	—	860	162	
	f	194	2010	1211	585	575	835	160	
	f	195	2009	1313	619	690	830	165	
		15	1970	840	170	—	810	159	
		1	1867	491	190	—	835	159	
		2	—	—	219	—	840	158	
		3	—	—	270	—	739	155	
		4	—	—	288	—	868	159	
		5	—	—	370	—	848	160	
		6	—	—	518	—	860	155	
		7	—	—	549	—	860	155	
		8	—	—	682	—	848	155	

RH 1906 — Feb. 24, 1930

	15	1970	840	150	—	750	139	115
	1	1867	491	168	—	785	138	
	2	—	—	188	—	801	136	
	3	—	—	238	—	797	129	
	4	—	—	284	—	830	141	
	5	—	—	351	—	807	139	
	6	—	—	488	—	851	137	
	7	—	—	517	—	823	139	
	8	—	—	649	—	813	137	

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Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag	L.No
668	448	—	670	—		206+
691	391	—	565	—		809+
691	572	578	826	836	off curve, off curve	
682	430	439	630	644	7.57, 7.63	
690	580	580	840	840	off curve, off curve	
685	510	530	745	774	8.10, 8.25	
689	450	451	654	655	7.69, 7.69	
695	139	149	200	214	5.87, 5.93	
698	216	—	308	—		205 ✓
675	425	415	630	615	7.57, 7.50	
665	454	465	684	700	7.83, 7.89	
651	11	—	17	—		
676	41	—	61	—		
682	61	—	90	—		
584	115	—	197	—		
709	129	—	182	—		
688	210	—	306	—		
705	363	—	515	—		
705	394	—	558	—		
693	527	—	761	—		
611	11	—	18	—		
647	30	—	46	—		
665	52	—	78	—		
664	105	—	158	—		
689	143	—	207	—		
668	212	—	318	—		
694	351	—	506	—		
690	384	—	556	—		
676	506	—	748	—		

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1929phae.proj.12720

Dyp-C # 1906 – Dec 24, 1930

Strip	Class	Star	y	x	Dyfl	Dxfl	Cc	Dk	Volts
20.2	p	67	2018	280	696	—	822	149	
		196	2037	282	510	513	820	147	
		197	2020	307	487	468	817	141	
		68	2024	348	470	—	831	149	
		198	2030	431	670	683	840	144	
		199	2037	493	683	660	817	150	
		200	2027	577	644	640	852	144	
		201	2020	700	702	742	829	141	
		202	2021	803	607	638	837	141	
		203	2019	947	658	684	830	133	
		204	2032	1006	540	551	842	140	
		205	2034	1139	729	706	838	141	
20.4		206	2052	293	692	657	839	141	
		69	2052	307	637	—	854	148	
		207	2042	413	751	727	862	154	
		208	2042	653	690	656	853	153	
		209	2037	663	550	580	851	152	
		210	2042	758	707	793	869	163	
		211	2050	889	700	681	879	186	
		70	2049	931	772	—	881	182	
		212	2040	1000	798	823	876	174	
		213	2054	1109	627	603	866	167	
		214	2040	1143	943	989	850	161	
		218	2041	1168	749	731	867	182	
		219	2048	1192	777	786	837	167	
		220	2050	1328	767	751	843	171	
20.6		221	2071	463	711	712	847	161	
		71	2060	512	738	—	851	163	
		72	2077	537	707	—	850	168	
		222	2060	617	754	770	853	160	

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C-Ck	Defl Ck	Defl Ck	Red Defl	Red Defl	Mag.	L. No.
673	547	—	815	—		809+
673	363	366	540	544	7.20, 7.22	
676	346	327	512	484	7.11, 6.98	
682	321	—	470	—		805✓
696	526	539	756	774	8.22, 8.00	
665	533	570	800	766	8.41, 7.97	
708	500	496	705	700	7.96, 7.93	
692	561	601	811	869	8.49, off curve	
696	466	497	670	715	7.79, 8.01	
697	525	551	755	789	8.22, 8.25	
702	400	411	570	585	7.23, 7.38	
697	588	565	845	810	off curve, 846	
698	551	516	789	740	8.26, 8.13	
706	489	—	691	—		790✓
708	597	583	843	821	off curve, off curve	
700	537	503	767	717	8.26, 8.02	
699	398	428	570	614	7.33, 7.57	
706	544	570	770	805	8.27, 8.44	
693	514	495	740	715	8.13, 8.00	
699	590	—	845	—		238+
702	624	649	890	925	off curve, off curve	
699	460	436	658	625	7.73, 7.58	
689	182	228	264	330	6.18, 6.42	
685	567	549	829	801	off curve, 8.42	
670	610	619	910	924	off curve, off curve	
672	596	580	886	865	off curve, off curve	
686	550	551	802	803	8.41, 8.42	
688	575	—	835	—		778+
682	539	—	790	—		765✓
693	594	610	855	880	off curve, off curve	

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ΔJP − RH 1906 − Feb 24/30

Strip	Class	Star	Y	D	Δφ1	Δφ1	Cc	Δk	Volts
		223	2071	702	703	738	873	178	
		224	2078	908	680	650	870	170	
		225	2058	1037	756	750	862	171	
		226	2057	1147	753	773	848	170	
		73	2061	1182	516	—	850	169	
		227	2068	1219	800	796	860	189	
		228	2060	1274	772	771	843	177	
		74	2071	1342	360	—	840	173	
		229	2076	1344	738	744	853	209	
		230	2063	1380	678	661	860	213	
20.8		231	2090	203	810	769	890	172	
		75	2087	221	696	—	853	170	
		232	2090	750	932	338	849	152	
		233	2080	777	728	758	846	147	
		234	2080	998	488	473	836	142	
		76	2090	1162	712	—	818	139	
		77	2079	1279	719	—	833	138	
		78	2087	1367	698	—	817	137	
		235	2083	1373	322	317	792	133	
		79	2082	1383	417	—	778	130	
		1	1970	840	149	—	762	132	
		1	1867	491	173	—	810	132	
		2	—	—	192	—	819	133	
		3	—	—	247	—	823	131	
		4	—	—	277	—	820	131	
		5	—	—	390	—	820	130	
		6	—	—	507	—	844	133	
		7	—	—	580	—	841	132	
		8	—	—	657	—	831	132	005

Continued on BK 74 p. 64

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1929phae.proj.1272C

Cl-Dk	Defl-Dk	Diff-Dk	Red Defl	Red Defl	Mag	L. No
695	525	560	755	805	8.22, 8.46	
700	360	380	514	544	7.10, 7.22	
691	585	579	845	836	off curve, off curve	
678	583	603	859	886	off curve, off curve	
681	347	—	510	—		240 ✓
671	611	607	911	905	off curve, off curve	
666	595	594	891	890	off curve, off curve	
667	187	—	280	—		239 +
650	535	538	823	828	off curve, off curve	
647	465	448	717	694	8.02, 7.91	
718	638	597	888	833	off curve, off curve	
683	526	—	770	—		
697	180	181	258	259	6.15, 6.16	
699	581	611	831	875	off curve, off curve	
694	291	331	420	477	6.71, 6.95	
679	573	—	845	—		
695	581	—	835	—		
680	561	—	825	—		
659	189	184	286	280	6.26, 6.21	
645	284	—	440	—		242 +
630	17	—	27	—		
678	41	—	60	—		
686	59	—	86	—		
692	116	—	168	—		
689	146	—	212	—		
690	260	—	376	—		
711	374	—	525	—		
709	448	—	634	—		
699	525	—	750	—		

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