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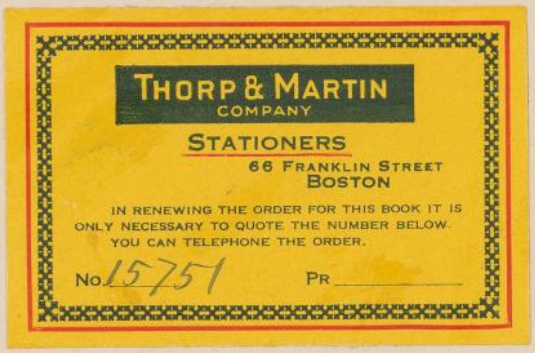
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2 New Series

Diff - R.A. 644 - July 10, 1929

Cont. from Book 62, Page 200

Mag	Class	Star	y	x	Dec.	Diff	Cl	Dc	Rate
20.6	f	119	2071	52 / 2	1080	1110	1515	022	
	f	120	2069	53 / 78	1113	1125	1559	026	
	f	121	2059	65 / 84	068	069	1350	020	
	f	122	2069	729	1162	1180	1544	028	
	f	123	2069	1070	482	481	1600	026	
	f	124	2071	1083	871	870	1560	028	
	p	63	2073	1197	918	—	1620	029	
	f	125	2061	1299	841	843	1622	030	
20.8	f	126	2080	658	804	806	1559	030	
	f	127	2092	953	994	1011	1576	030	
	f	128	2080	958	971	1000	1596	028	
	f	129	2091	1058	760	789	1570	028	
21.6	f	130	2103	512	1044	1042	1554	032	
	f	131	2097	659	1142	1172	1559	037	
21.2	p	64	2120	530	980	—	1580	038	
	f	132	2117	742	870	871	1552	035	
	f	133	2128	729	1162	1182	1569	037	
	p	65	2131	743	548	—	1565	043	
	f	134	2116	1052	855	875	1600	039	
	p	66	2115	1479	810	—	1660	039	
		19	1980	964	048	—	1490	032	
		1	1803	647	060	—	1473	031	
		2	—	—	191	—	1550	032	
		3	—	—	249	—	1564	033	
		4	—	—	395	—	1520	032	
		5	—	—	438	—	1552	032	
		6	—	—	709	—	1560	034	
		7	—	—	780	—	1570	039	
		8	—	—	1394	—	1600	033	520

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Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	2. No.
1493	1058	1088	708	728	7.93, 7.99	
1533	1087	1099	709	716	7.94, 7.95	
1330	48	49	36	37	4.66, 4.67	
1516	1134	1152	748	760	8.05, 8.08	
1574	456	455	290	289	6.57, 6.57	
1532	843	842	550	549	7.45, 7.45	
1591	289	—	181	—	6.05	205 ✓
1592	811	818	510	511	7.34, 7.48	
1529	774	776	506	508	7.33, 7.34	
1546	964	981	624	635	7.66, 7.71	
1568	943	972	602	620	7.61, 7.67	
1542	732	761	475	494	7.24, 7.29	
1522	1012	1010	665	663	7.80, 7.80	
1522	1105	1135	726	745	7.98, 8.04	
1542	942	—	611	—	7.63	~~627-25~~
1517	835	836	551	552	7.45, 7.45	
1532	1125	1145	734	747	8.01, 8.05	
1522	505	—	332	—	6.13	627-25 ✓
1561	816	836	622	536	7.37, 7.42	
1621	771	—	476	—	7.24	206 ✗
1458	6	—	4	—		
1442	29	—	20	—		
1518	159	—	105	—		
1534	216	—	141	—		
1488	363	—	244	—		
1520	406	—	268	—		
1526	675	—	443	—		
1531	741	—	484	—		
1567	1301	—	831	—		

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4 New Series

FMC RH 644 July 11, 1929

Strip	Class	Star	y	x	Dyf	Dyf	cc	rh	Voch
		1S	1980	960	027	—	1537	019	5.19
		1	1803	640	220	—	1560	019	
		2	—	—	180	—	1572	020	
		3	—	—	270	—	1610	020	
		4	—	—	464	—	1575	022	
		5	—	—	582	—	1610	025	
		6	—	—	779	—	1624	025	
		7	—	—	868	—	1608	029	
		8	—	—	1390	—	1630	030	
21.4		135	2139	422	1300	1318	1579	031	
		136	2151	801	1251	1260	1611	031	
		137	2139	819	1160	1208	1610	034	
		138	2150	1020	1261	1269	1641	035	
		67	2150	1133	1372	—	1639	035	
		68	2148	1275	545	—	1635	038	
		139	2155	1431	200	210	1681	039	
		140	2150	1439	1150	1180	1674	040	
21.6		141	2160	462	1160	1192	1580	040	
		142	2168	485	741	763	1555	040	
		69	2171	503	1271	—	1605	041	
		143	2170	825	672	700	1610	041	
		144	2161	1212	1220	1290	1640	042	
		70	2170	1250	1252	—	1661	045	
21.8		145	2189	500	1310	1316	1598	048	
		71	2190	580	1235	—	1599	047	
		72	2190	708	1068	—	1606	049	
		146	2181	760	1310	1350	1610	051	
		147	2190	770	980	1000	1630	051	
		148	2192	920	1195	1242	1658	055	
		149	2182	945	420	430	1640	055	

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O.-Dk.	Defl.-Dk.	Defl.-Dk	Reduced	Reduced	Magn.	L. No.
1518	8	—	5	—		
1541	201	—	130	—		
1552	160	—	103	—		
1590	250	—	157	—		
1553	442	—	284	—		
1585	507	—	320	—		
1599	754	—	472	—		
1579	839	—	532	—		
1600	1360	—	849	—		
1548	1269	1287	820	832	8.23, 8.27	
1580	1220	1229	772	777	8.08, 8.09	
1596	1126	1174	715	746	7.92, 8.01	
1606	1226	1234	764	769	8.05, 8.07	
1604	1337	—	833	—	8.27	
1594	507	—	317	—	6.51	240 V
1642	161	171	98	104	[illegible]	
1634	1110	1140	678	697	7.80, 7.86	
1540	1120	1152	728	749	7.95, 8.01	
1516	701	723	463	477	7.13, 7.18	
1564	1230	—	786	—	8.13	688 V
1569	631	659	403	421	6.87, 6.95	
1598	1178	1148	736	718	7.97, 7.83	
1616	1207	—	747	—	8.01	
1550	1262	1268	815	818	8.22, 8.23	
1553	1188	—	765	—	8.05	664 X
1557	1019	—	654	—	7.73	601 V
1559	1259	1299	807	834	8.19, 8.26	
1579	929	949	589	602	7.53, 7.57	
1603	1140	1184	712	741	7.91, 8.00	
1585	365	375	230	236	6.12, 6.15	

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6 New Series fmc RH 644 July 11, 1929

trip	class	Star	y	x	Dpg	Dpe	ce	bh	Oath
21.8	f	73	2182	1178	1010	—	1691	055	
	f	74	2190	1430	158	—	1665	051	
22.0	f	75	2212	470	1190	—	1590	055	
	f	150	2200	607	898	909	1600	055	
	f	76	2210	653	749	—	1622	054	
	f	151	2208	755	572	572	1613	055	
	f	152	2208	921	631	670	1622	055	
	f	153	2202	941	315	311	1678	052	
	f	77	2210	1198	489	—	1650	052	
	f	78	2210	1470	341	—	1711	052	
22.2	f	79	2230	589	978	—	1610	052	
	f	154	2219	820	768	789	1630	052	
	f	155	2220	1221	1205	1275	~~1629~~ 1640	060	
	f	80	2219	1309	1068	—	1649	060	
	f	156	2229	1459	1120	1190	1690	050	
22.4	f	81	2252	340	1280	—	1580	060	
	f	82	2246	399	1140	—	1600	059	
	f	83	2247	995	490	—	1660	060	
	f	84	2242	1065	900	—	1642	060	
	f	85	2241	1202	481	—	1650	060	
22.6	f	157	2260	450	1312	1360	1610	060	
	f	158	2270	695	1229	1289	1592	061	
	f	86	2271	842	1210	—	1650	060	
	f	159	2270	1117	878	950	1688	060	
	f	160	2270	1250	1170	1150	1681	062	
		1S	1980	960	095	—	1555	065	
		1	1803	640	289	—	1574	061	
		2	—	—	222	—	1599	062	
		3	—	—	969	—	1610	061	
		4	—	—	520	—	1570	065	

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Cl.-Dk.	Defl.-Dk	Defl.-Dk	Reduced	Reduced	Magn.	I. No.
1636	955	—	583	—	7.52	274 ✓
1604	107	—	67	—	Not on curve	239 ✗
1535	1135	—	740	—	7.98	679 ✓
1545	843	854	546	552	7.40, 7.43	
1568	695	—	443	—	7.04	625 ✓
1558	517	617	322	322	6.54, 6.54	
1567	576	615	368	392	6.71, 6.83	
1626	263	259	162	160	5.83, 5.81	
1598	437	—	274	—	6.32	279 ✓
1659	289	—	174	—	5.88	242 ✗
1558	926	—	595	—	7.55	642 ✓
1578	716	737	454	467	7.10, 7.14	
1580	1145	1215	725	768	7.95, 8.06	
1589	1008	—	635	—	7.67	264 ✗
1640	1070	1140	653	696	7.73, 7.85	
1520	1220	—	773	—	8.08	683 ✗
1541	1081	—	701	—	7.86	681 ? ✗
1600	430	—	269	—	6.29	376 ✓
1582	840	—	532	—	7.36	338 ✓
1590	421	—	265	—	6.27	294 ✓
1550	1262	1300	808	838	8.~~19~~, 8.27	
1531	1168	1228	762	801	8.06, 8.17	
1590	1150	—	723	—	7.93	496 ✗
1628	818	890	503	547	7.27, 7.40	
1619	1108	1088	685	672	7.83, 7.79	
1490	30	—	20	—		
1513	228	—	151	—		
1537	160	—	104	—		
1549	308	—	199	—		
1505	455	—	302	—		

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8 Naval Series FMC MRD RH 644 July 11, 1929

Trip	Class	Star	y	y	Dec	Dec	cc	Dh	Obs't
		5	—	—	540	—	1610	065	
		6	—	—	760	—	1610	061	
		7	—	—	900	—	1589	065	
		8	—	—	1380	—	1612	068	
MRD July 11'29									
RH 644		1S	1980	960	70	—	1488	056	
		1	1803	640	260	—	1530	068	
		2	—	—	220	—	1580	067	
		3	—	—	304	—	1607	062	
		4	—	—	490	—	1552	065	
		5	—	—	510	—	1600	067	
		6	—	—	760	—	1600	070	
		7	—	—	850	—	1598	070	
		8	—	—	1430	—	1620	072	
22.8	57	f	2280	612	814	—	1600	073	
	H	p	2291	812	1380	—	1620	070	
	161	f	2280	870	310	920	1630	068	
	162	f	2294	959	610	640	1615	070	
	163	f	2290	1250	1005	1005	1660	073	
	164	f	2290	1252	750	800	1650	074	
	165	f	2285	1274	1090	1120	1685	074	
	166	f	2290	1293	1000	1050	1680	076	
	89	p	2289	1449	845	—	1675	072	
		1S	1980	960	90	—	1400	071	
		1	1803	640	290	—	1540	070	
		2	—	—	250	—	1581	070	
		3	—	—	306	—	1610	069	
		4	—	—	537	—	1565	070	
		5	—	—	540	—	1615	072	
		6	—	—	790	—	1620	073	
		7	—	—	900	—	1610	075	
		8	—	—	1450	—	1635	075	

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Cl. Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. Ko.
1545	475	—	308	—		
1549	699	—	452	—		
1524	835	—	547	—		
1544	1312	—	849	—		
1432	14	—	10	—		
1462	192	—	131	—		
1513	153	—	101	—		
1545	242	—	157	—		
1487	425	—	286	—		
1533	443	—	289	—		
1530	690	—	452	—		
1528	780	—	511	—		
1548	1338	—	876	—		
1527	741	—	486	—	7.23	606 ✓
1550	1310	—	845	—	8.23	518 ✗
1562	242	252	155	161	5.76, 5.81	
1545	540	570	350	369	6.69, 6.76	
1587	932	932	587	587	7.49, 7.49	
1576	676	726	429	461	7.02, 7.15	
1611	1016	1046	630	648	7.62, 7.67	
1604	924	974	576	606	7.46, 7.55	
1603	773	—	482	—	7.22	
1329	19	—	14	—		
1470	220	—	160	—		
1511	180	—	119	—		
1541	237	—	154	—		
1495	467	—	312	—		
1543	468	—	303	—		
1547	717	—	464	—		
1535	825	—	537	—		
1564	1315	—	881	—		

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10 New Series

Nyp - RH 644 — July 11, 1929

Strip	Class	Star	y	x	Diff	Diff	Cl	Dk	Plts
		10	1980	960	091	—	1415	070	520
		1	1803	642	188	—	1532	071	
		2	—	—	231	—	1597	072	
		3	—	—	320	—	1598	071	
		4	—	—	529	—	1571	073	
		5	—	—	510	—	1618	072	
		6	—	—	790	—	1603	078	
		7	—	—	891	—	1619	079	
		8	—	—	1401	—	1649	080	
23.0	f	167	2310	572	1110	1110	1632	080	
	p	90	2309	650	1014	—	1640	081	
	f	168	2301	938	1180	1180	1659	082	
	p	91	2304	1007	1221	—	1679	087	
	p	92	2309	1009	1310	—	1649	082	
	f	169	2309	1148	869	870	1659	082	
	p	93	2301	1201	1198	—	1661	082	
	p	94	2299	1218	836	—	1639	083	
23.2	p	95	2330	399	421	—	1581	083	
	p	96	2329	685	939	—	1624	087	
	p	97	2321	759	1258	—	1619	088	
	f	170	2330	829	624	631	1639	083	
	f	171	2321	980	1243	1248	1658	090	
	f	172	2328	1040	1173	1200	1672	090	
	f	173	2324	1049	932	954	1672	090	
	f	174	2320	1257	851	851	1679	090	
23.4	p	98	2340	429	1200	—	1600	091	
	p	99	2353	779	1238	—	1644	091	
	f	175	2340	892	1241	1252	1650	091	
	p	100	2343	1062	1206	—	1678	092	
	f	176	2340	1106	232	232	1660	090	

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1929phae.proj.127C

R.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1345	21	—	16	—		
1461	117	—	80	—		
1525	159	—	104	—		
1529	249	—	163	—		
1498	456	—	305	—		
1546	438	—	283	—		
1525	712	—	465	—		
1540	812	—	527	—		
1569	1321	—	842	—		
1552	1030	1030	663	663	7.75, 7.75	
1559	933	—	598	—	7.56	587 ✓
1577	1098	1098	696	696	7.85, 7.85	
1592	1134	—	712	—	7.90	
1567	1228	—	732	—	7.95	
1577	787	788	498	499	7.25, 7.26	
1579	1116	—	708	—	7.89	c ? ✗
1556	753	—	484	—	7.22	2a? ✗
1504	338	—	225	—	6.14	
1537	852	—	554	—	7.45	570 ✓
1531	1170	—	763	—	8.04	
1556	541	548	348	353	6.69, 6.72	
1568	1153	1158	735	738	7.96, 7.97	
1582	1083	1110	685	702	7.82, 7.87	
1582	842	864	535	546	7.38, 7.43	
1589	761	761	479	479	7.19, 7.19	
1509	1109	—	735	—	7.96	647 ✗
1553	1147	—	738	—	7.98	
1559	1150	1161	738	745	7.97, 8.00	
1586	1114	—	702	—	7.86	
1570	142	142	90	90	4.82, 4.82	

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1929phae.proj.126C

12 New Series

Dyp – RH644 – July 11, 1929

Strip	Class	Star	y	x	Diff.	Diff	Cl	Dk	Dots
	p	101	2338	1343	592	—	1695	090	
23.6	p	102	2369	702	1303	—	1665	100	
23.8	p	103	2380	608	1239	—	1660	101	
	p	104	2380	970	1190	—	1681	101	
	f	177	2375	1081	1186	1210	1722	101	
24.0	f	178	2409	1139	1119	1119	1738	101	
	p	105	2410	1149	1099	—	1710	102	
	f	179	2406	1371	1152	1160	1752	101	
24.2	f	180	2420	1111	1291	1298	1733	102	
	f	181	2430	1375	960	960	1729	100	
24.4	f	182	2449	863	1081	1090	1678	101	
	p	106	2443	929	1011	—	1691	100	
	f	183	2453	1011	1311	1311	1740	103	
	f	184	2445	1168	1299	1310	1750	100	
	f	185	2449	1203	982	980	1772	101	
	f	186	2449	1337	280	284	1758	100	
24.6	p	107	2467	703	1167	—	1710	100	
24.8	f	187	2478	467	1055	1051	1650	100	
	f	188	2490	469	1349	1384	1678	100	
	p	108	2481	710	410	—	1700	100	
	f	189	2477	745	1220	1220	1701	101	
	f	190	2480	890	1260	1270	1731	103	
	p	109	2490	1021	871	—	1781	101	
	f	191	2491	1169	910	910	1774	103	
25.0	f	192	2501	583	1003	1010	1681	101	
	f	193	2500	1092	820	830	1748	101	
25.2	p	110	2529	749	1094	—	1731	101	
	p	111	2523	878	540	—	1749	101	
	p	112	2522	1016	471	—	1732	100	
	f	194	2526	1101	1068	1070	1761	101	

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Cl.-Dk.	Defl.-Dk	Defl.-Dk	Reduced	Reduced	Magn	D. No.
1605	502	—	313	—	6.57	297 X
1565	1203	—	769	—	8.05	
1559	1138	—	730	—	7.95	583? V
1580	1089	—	689	—	7.84	425 V
1621	1085	1109	670	684	7.77, 7.81	
1637	1018	1018	622	622	7.64, 7.64	
1608	1097	—	683	—	7.81	
1651	1051	1059	637	641	7.68, 7.70	
1631	1189	1196	728	733	7.95, 7.96	
1629	860	860	528	528	7.37, 7.37	
1577	980	989	622	627	7.64, 7.66	
1591	911	—	574	—	7.50	451 V
1637	1208	1208	738	738	7.97, 7.97	
1650	1199	1210	726	734	7.95, 7.96	
1671	881	879	528	526	7.36, 7.35	
1658	180	184	109	111	5.25, 5.27	
1610	1067	—	664	—	7.75	541 V
1550	955	951	617	615	7.63, 7.62	
1578	1249	1284	793	816	8.13, 8.21	
1600	310	—	194	—	5.97	536 X
1600	1119	1119	700	700	7.86, 7.86	
1628	1157	1167	711	717	7.90, 7.92	
1680	776	—	458	—	7.20	420 X
1671	807	807	483	483	7.21, 7.21	
1580	902	909	571	576	7.50, 7.51	
1647	719	729	437	443	7.03, 7.05	
1630	993	—	616	—	7.60	523 X
1648	439	—	266	—	6.36	474 X
1632	371	—	227	—	6.15	426 X
1660	967	969	583	584	7.53, 7.53	

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1929phae.proj.127C

New Series — HP-R 644 — July 11, 1929

Strip	Class	Star	y	x	Diff	Diff	α	δ	
25.4	f	195	2548	557	1350	1360	1757	103	
	f	196	2553	680	1261	1275	1758	105	
	fp	113	2551	921	1086	—	1810	104	
	f	197	2545	982	923	930	1819	103	
	f	198	2557	988	992	1031	1811	104	
	f	199	2548	1243	995	991	1831	104	
25.6	p	114	2574	873	1338	—	1802	105	
	f	200	2571	1054	295	295	1800	103	
25.8	ff	201	2590	709	1132	1170	1808	105	
	fp	115	2592	787	1217	—	1830	104	
	f	202	2583	945	1343	1343	1853	110	
	ff	203	2590	977	534	542	1851	103	
26.0	f	204	2599	619	852	860	1797	105	
	p	116	2613	678	1140	—	1821	106	
	f	205	2609	680	969	998	1798	105	
26.2	p	117	2635	811	910	—	1807	107	
	p	118	2614	1013	1109	—	1767	109	
26.6	p	119	2659	909	709	—	1718	107	
		10	1980	960	130	—	1779	106	
		1	1803	642	879	—	1688	105	
		2	—	—	295	—	1739	104	
		3	—	—	372	—	1754	104	
		4	—	—	618	—	1701	104	
		5	—	—	597	—	1749	104	
		6	—	—	874	—	1738	108	
		7	—	—	988	—	1744	109	505
		8	—	—	1551	—	1758	110	

Date Finished

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1929phae.proj.1267C

Q. Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	D. No.
1654	1247	1257	764	761	8.03, 8.05	
1653	1156	1170	700	708	7.86, 7.89	
1706	982	—	576	—	7.51	457 x
1716	820	827	478	483	7.18, 7.21	
1707	888	927	521	544	7.34, 7.42	
1727	891	887	617	514	7.33, 7.32	
1697	1233	—	727	—	7.94	
1697	192	192	113	113	5.34, 5.34	
1703	1027	1065	603	626	7.58, 7.65	
1726	1113	—	647	—	7.71	509 x
1743	1233	1233	707	707	7.88, 7.88	
1748	431	439	247	261	6.25, 6.29	
1692	747	755	442	447	7.05, 7.07	
1715	1034	—	603	—	7.58	534 x
1693	864	893	511	528	7.32, 7.37	
1700	803	—	473	—	7.16	498 x
1658	994	—	570	—	7.49	1a x
1611	602	—	374	—	6.79	464 x
1373	24	—	17	—		
1583	244	—	154	—		
1635	191	—	117	—		
1650	268	—	162	—		
1597	514	—	322	—		
1645	493	—	300	—		
1630	766	—	471	—		
1635	879	—	537	—		
1678	1441	—	860	—		

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1929phae.proj.127C

16 Neul Series FMC RH 804 July 12, 1929

Strip	class	star	y	x	Dife	Dife	cl	Dh	Volt
		15	1955	958	050	—	1749	049	5.22
		1	1870	601	095	—	1885	050	
		2	—	—	165	—	1851	050	
		3	—	—	259	—	1870	052	
		4	—	—	300	—	1915	052	
		5	—	—	440	—	1828	059	
		6	—	—	800	—	1880	059	
		7	—	—	930	—	1898	060	
		8	—	—	1370	—	1858	061	
14.4	fp	1	1439	839	1012	—	1760	060	
	f	1	1457	885	1078	1081	1880	061	
14.6	f		1461	982	1360	~~720 good~~			
	fp	2	1477	1000	400 1190	—	1880	061	
14.8	f	2	1485	761	~~1248~~	1213	1922	061	
	fp	3	1480	911	1205	—	1905	065	
	fp	4	1478	1045	1221	—	1920	062	
	f	3	1499	1050	1070	1070	1881	062	
15.0	f	4	1513	655	1059	1061	1879	067	
	f	5	~~1498~~ 1500	1130	1240	1235	1910	069	
15.2	fp	5	1530	923	1257	—	1860	070	
?	fp	6	1528	1057	1160	1203	1908	071	
15.4	f	6	1548	578	~~771~~ 1103	1120	1880	071	
	f	7	1548	650	1098	—	1899	071	
15.6	f	7	1572	629	1210	1220	1909	072	
	fp	8	1569	633	760	—	1900	072	
	f	8	1571	872	1085	1120	1878	075	
	fp	9	1568	~~959~~ 972	959	~~882~~	1882	072	
15.8									

Cont. in Bk 62, Page 202

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1929phae.proj.127C

Cl. Dk	Refl. Dk	Refl. Dk	Reduced	Reduced	Magn.	D. No.
1700	1	—	1	—		
1835	45	—	25	—		
1801	115	—	64	—		
1818	207	—	114	—		
1863	248	—	133	—		
1769	381	—	216	—		
1821	741	—	407	—		
1838	870	—	473	—		
1797	1309	—	728	—		
1705	952	—	561	—	7.67	1141
1819	1017	1020	561	563	7.67, 7.68	
		now	good			
1819	339	—	187	—	6.17	1214
1861	1129	1152	606	620	7.84, 7.89	
1840	1140	—	620	—	7.90	1104
1858	1159	—	625	—	7.93	—
1819	1008	1008	555	555	7.65, 7.65	
1812	992	994	547	549	7.63, 7.63	
1841	1171	1166	637	634	7.94, 7.95	
1790	1187	—	664	—	8.06	1176
1837	1089	1132	594	617	7.79, 7.87	
1809	1032	1049	572	580	7.72, 7.73	
1828	1027	—	563	—	7.68	1043
1837	1138	1148	620	626	7.89, 7.93	
1828	688	—	378	—	6.95	1030
1803	1010	1045	561	580	7.69, 7.73	
1810	887	—	491	—	7.40	1208

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1929phae.proj.1267C

New Series

Con. from Bk. 62 P. 204

Dec — R.H. 804 — July 12, 1929

Temp	Class	Star	y	x	Dyc	Dyc	cl	Dh	Volt
17.0	L	25	1701	1043	998	1000	1811	120	
	L	26	1700	1160	955	965	1817	119	
	L	27	1700	1342	128	125	1708	119	
17.2	L	28	1722	711	1160	1190	1809	120	
	L	29	1728	728	1336	1353	1822	121	
	L	30	1724	759	1350	1380	1792	123	
	L	31	1720	803	908	908	1797	119	
	P	18	1721	811	990	—	1818	116	
	L	32	1721	961	517	507	1778	111	
	L	33	1731	978	1013	1038	1797	111	
	P	19	1717	1087	609	—	1819	113	
	L	34	1728	1202	939	938	1796	116	
	L	35	1729	1404	890	901	1792	118	
	P	20	1732	1420	1347	—	1791	120	
17.4	P	21	1740	469	1157	—	1832	122	
	L	36	1739	608	854	879	1737	122	
	L	37	1747	651	1280	1279	1808	123	
	L	38	1751	691	815	826	1798	122	
	L	39	1751	761	293	300	1798	121	
1st up has effect on star image	L	40	1744	778	261	290	1797	120	
	P	22	1745	1023	1242	—	1799	121	
	P	23	1740	1139	243	—	1787	120	
	L	41	1740	1190	1211	1226	1737	122	
	L	42	1740	1254	1360	1351	1801	123	
	P	24	1737	1257	1322	—	1771	122	
		1A	1955	957	128	—	1702	121	
		1	1870	601	170	—	1770	120	
		2	—	—	210	—	1751	120	
		3	—	—	311	—	1799	121	
		4	—	—	362	—	1795	120	

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1929phae.proj.1267C

α.-Dk.	Defl-Dk.	Defl-Dk.	Reduced	Reduced	Magn.	L. No.
1691	878	880	579	521	7.53, 7.54	
1698	836	846	493	499	7.43; 7.45	
1689	09	06	6	4	2.74, 2.60	
1689	1040	1070	617	634	7.88, 7.97	
1701	1215	1232	714	724	8.24, 8.26	
1669	1227	1267	736	754	8.33, 8.38	
1678	789	839	471	501	7.34, 7.46	
1702	874	—	513	—	7.51	1109 ✓
1667	406	396	244	237	6.49, 6.47	
1686	902	927	535	550	7.58, 7.64	
1706	496	—	291	—	666	1279 ✓
1680	823	822	490	489	7.42, 7.42	
1684	772	783	461	465	7.30, 7.33	
1671	1221	—	734	—	8.32	
1710	1035	—	607	—	7.85	926 ✗
1615	732	767	454	468	7.27, 7.34	
1685	1157	1156	688	687	8.14, 8.14	
1676	693	698	414	417	7.13, 7.14	
1677	172	179	103	107	5.70, 5.73	
1677	141	270	84	161	5.55, 6.05	
1678	1121	—	669	—	8.07	8 ✓
1667	128	—	74	—	5.46	56 ✓
1615	1089	1104	674	682	8.08, 8.12	
1678	1237	1228	737	732	8.33, 8.33	
1649	1200	—	728	—	8.29	90 ✗
1581	07	—	4	—		
1650	50	—	30	—		
1631	90	—	55	—		
1678	190	—	113	—		
1675	242	—	144	—		

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1929phae.proj.127C

20 Yale Series

{H. J. P.
{F mc

July 12/13 1929 R.A. 8h04

setup	class	star	y	x	Dyc	Dyc	cl	Dk.	Volt
		5	—	—	501	—	1749	121	
		6	—	—	852	—	1757	120	
		7	—	—	951	—	1779	121	
		8	—	—	1310	—	1768	120	525
		18	1955	940	069	—	1643	062	519
		1	1870	588	109	—	1680	062	
		2	—	—	200	—	1661	060	
		3	—	—	257	—	1668	061	
		4	—	—	290	—	1701	062	
		5	—	—	450	—	1621	061	
		6	—	—	748	—	1695	063	
		7	—	—	858	—	1710	063	
		8	—	—	1240	—	1671	065	
17.6	f	43	1761	587	1217	1219	1702	070	
	f	44	1760	950	1021	1092	1685	070	
	f	45	1760	1200	960	958	1690	070	
	f	46	1758	1323	885	891	1680	071	
	f	25	1768	1400	1180	—	1699	072	
17.8	f	47	1789	382	812	795	1725	072	
	f	48	1790	582	850	852	1730	072	
	f	49	1782	1290	961	990	1700	073	
18.0	f	50	1809	487	1109	1080	1755	089	
	f	26	1807	875	1009	—	1760	090	
	f	51	1800	948	1220	1218	1750	090	
	f	27	1802	1070	860	—	1742	090	
	f	52	1802	1080	1068	1072	1722	090	
	f	28	1803	1228	1155	—	1750	091	
	f	53	1800	1340	900	921	1731	090	
	f	54	1800	1370	1230	1220	1730	091	
18.2	f	29	1820	513	1232	—	1779	092	

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1929phae.proj.127C

Cl.-Dk.	Defl.-Dk.	Defl-Dk.	Reduced	Reduced	Magn.	L.Ko.
1628	380	—	234	—		
1637	732	—	447	—		
1658	830	—	498	—		
1648	1190	—	723	—		
1681	7	—	4	—		
1618	47	—	29	—		
1601	140	—	88	—		
1607	190	—	118	—		
1639	228	—	139	—		
1660	389	—	249	—		
1632	685	—	419	—		
1647	795	—	483	—		
1606	1175	—	732	—		
1632	1147	1149	703	704	8.22, 8.23	
1618	951	1022	589	634	7.77, 7.95	
1620	890	888	550	548	7.64, 7.63	
1609	814	820	506	511	7.47, 7.48	
1627	1108	—	682	—	8.13	135 ✓
1653	740	723	448	438	7.24, 7.20	
1658	748	780	470	472	7.38, 7.34	
1624	888	917	547	564	7.63, 7.68	
1666	1020	991	613	596	7.87, 7.80	
1670	919	—	651	—	7.64	1171 ✗
1660	1120	1128	681	680	8.13, 8.13	
1652	770	—	467	—	7.31	621 ✓
1632	978	982	601	603	7.83, 7.84	
1659	1064	—	642	—	8.00	118 ✓
1641	810	831	493	507	7.43, 7.47	
1639	1139	1129	696	690	8.18, 8.16	
1687	1140	—	677	—	8.11	

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1929phae.proj.126mc

22 Mills Series

FMC R# 804 July 13, 1929

strips	class	#	y	x	Diff	Diff	cl	Dk	Volt
18.2	~~F~~	~~55~~	1820	957	770	720	1790	090	
	f	56	1829	1269	815	839	1772	090	
	f	57	1830	1410	125	110	1820	090	
18.4	f	58	1848	873	520	530	1865	090	
	f	59	1839	890	~~720~~ 540	570	1879	090	
	f	60	1850	1202	1013	1020	1860	090	
	f	30	1850	1240	1200	—	1850	090	
		15	1955	940	100	—	1830	090	
		1	1870	588	201	—	1899	090	
		2	—	—	257	—	1861	090	
		3	—	—	290	—	1880	090	
		4	—	—	980	—	1918	090	
		5	—	—	521	—	1835	090	
		6	—	—	972	—	1900	090	
		7	—	—	1088	—	1912	090	
		8	—	—	1395	—	1873	090	

Plate 804 continued in Book 62, Page 204

FMC R# 804 July 15, 1929

continued from Book 62, Page 208		15	1955	~~895~~	100	—	1623	090	5.00
		1	1870	540	180	—	1732	090	
		2	—	—	252	—	1718	090	
		3	—	—	330	—	1720	090	
		4	—	—	431	—	1755	100	
		5	—	—	555	—	1682	100	
		6	—	—	1000	—	1749	100	
		7	—	—	1110	—	1770	103	
		8	—	—	1320	—	1720	100	
20.6	f	42	2065	368.	1240	—	1758	098	
	f	103	2060	702	940	960	1732	100	
	f	104	2073	743	1225	1278	1752	100	
	f	105	2059	789	887	860	1709	100	

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1929phae.proj.1267C

Cl.-Dk.	Defl-Dk.	Defl-Dk	Reduced	Reduced	Magn. L. Ko.
1700	680	630	401	371	7.05, 6.94
1682	725	749	432	446	7.17, 7.24
1730	35	20	20	12	8.30, 2.90
1775	430	440	243	248	6.44, 6.46
1789	450	480	252	269	6.48, 6.54
1770	923	930	579	523	7.52, 7.54
1760	1110	—	632	—	7.94 b ✓
1740	10	—	6	—	
1809	111	—	61	—	
1771	161	—	91	—	
1790	200	—	112	—	
1828	290	—	159	—	
1745	431	—	247	—	
1810	882	—	488	—	
1822	998	—	547	—	
1783	1305	—	732	—	
1533	10	—	7		
1642	90	—	55		
1628	162	—	100		
1630	240	—	147		
1655	331	—	200		
1582	455	—	281		
1649	900	—	547		
1667	1007	—	605		
1620	1220	—	753		
1660	1142	—	689	8.04	8.04 791 ✗
1632	840	860	574	527	7.32, 7.37
1652	1125	1178	682	713	8.03, 8.13
1609	787	760	490	473	7.21, 7.14

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1929phae.proj.1267C

24 New Series

7mc R H 804 July 15, 1929

Strip	Class	Star	y	T	Diff	Diff	cl	Dh	Vel
20.6	f	106	2078	950	805	790	1720	100	
20.8	f	107	2091	781	375	385	1712	100	
	f	108	2080	1040	652	660	1695	100	
	f	43	2097	1156	1140	—	1720	100	
	f	44	2095	1290	1079	—	1695	100	
	f	109	2080	1412	282	252	1679	100	
21.0	f	45	2101	282	1295	—	1780	102	
	f	110	2109	400	755	771	1790	102	
	f	111	2101	830	352	335	1715	100	
(defect	f	112	2100	1329	1300	1318	1781	102	
on 1st →	f	113	2100	1370	952	1080	1690	102	
image	f	114	2110	1407	101	101	1660	101	
	f	116	2100	1449	1128	1179	1701	101	
21.2	f	116	2121	332	910	915	1781	102	
	f	117	2130	710	1159	1167	1710	104	
	f	118	2128	959	565	610	1701	102	
	f	46	2125	1475	1022	—	1705	102	
21.4	f	119	2140	428	1320	1322	1779	106	
	f	120	2153	690	1130	1130	1769	108	
	f	121	2150	718	1167	1160	1753	108	
	f	122	2145	971	1110	1118	1728	110	
	f	123	2142	1010	1022	1032	1710	110	
	f	47	2148	1198	560	—	1740	110	
	f	124	2140	1360	220	228	1682	105	
21.6	f	48	2160	720	640	—	1752	108	
	f	125	2162	750	1218	1220	1780	108	
	f	126	2165	792	1241	1260	1765	109	
	f	127	2170	915	610	677	1770	105	
	f	128	2160	1040	240	260	1738	105	
	f	129	2160	1390	1135	1153	1740	110	

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1929phae.proj.1267C

Cl. No.	Refl. Dk.	Refl. Dk.	Reduced	Reduced	Magn. & No.	
1620	705	690	437	427	6.99, 6.95	
1612	275	285	171	177	5.87, 5.89	
1595	562	560	346	351	6.60, 6.63	
1620	1040	—	642	—	7.83	274 ✓
1595	979	—	613	—	7.73	264 ×
1579	182	152	75	96	5.15, 5.38	
1678	1193	—	711	—	8.13	? ×
1688	653	669	387	396	6.77, 6.81	
1615	252	285	156	145	5.80, 5.76	
1619	1198	1216	741	752	8.25, 8.30	
1588	860	978	537	616	7.42, 7.74	
1559	0	0	0	0	0, 0	
1600	1027	1078	643	675	7.84, 7.98	
1679	808	813	481	485	7.17, 7.18	
1606	1065	1063	658	663	7.90, 7.93	
1599	463	508	290	318	6.36, 6.49	
1603	920	—	574	—	7.56	
1673	1214	1216	726	728	8.19, 8.21	
1661	1022	1022	615	615	7.73, 7.73	
1645	1059	1052	703	708	8.09, 8.07	
1618	1000	1008	618	622	7.74, 7.75	
1600	912	922	570	576	7.54, 7.59	
1630	450	—	276	—	6.30	294 ✓
1577	115	123	73	78	5.10, 5.18	
1644	532	—	323	—	6.52	627 ✓
1672	1110	1112	663	665	7.93, 7.94	
1656	1132	1151	684	695	8.03, 8.06	
1665	505	572	303	343	6.43, 6.59	
1633	135	155	83	95	5.25, 5.37	
1630	1025	1043	629	641	7.79, 7.84	

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1929phae.proj.127C

26 New Series { F.M.C. M.R.D. July 15, 1929 RH 804

Trip	class	St.	y	x	Deff	Deff	el	Dh	Volt
21.6	f	130	2177	1408	850	860	1740	110	
21.8	f	131	2180	430	1250	1250	1790	110	
	f	132	2189	549	820	820	1800	110	
	f	133	2189	655	439	460	1768	112	
	f	134	2189	668	1048	1120	1790	110	
	f	11	2182	780	970	—	1750	110	
	f	135	2190	820	449	485	1781	112	
	f	136	2190	1010	1282	1338	1779	115	
	f	137	2198	1020	1170	1190	1810	120	
	f	50	2180	1062	1152	—	1758	122	
	f	138	2186	1090	1180	1200	1782	120	
	f	61	2195	1222	1108	—	1700	100	
	f	=	2201	324	770	770	1830	136	
	f		2200	365	1310	1370	too faint		
	f		2210	482	1100	1120	1830	134	
	f		2202	530	1170	—	1820	140	
	f		2200	1015	640	—	1810	135	
	f		2195	already done					
	f		2200	1347	1160	1180	1800	140	
	f		2200	1372	820	—	1795	140	
		1s	1965	911	150	—	1670	140	
		1	1870	560	227	—	1769	140	
		2	—	—	275	—	1780	140	
		3	—	—	390	—	1790	140	
		4	—	—	455	—	1780	140	
		5	—	—	620	—	1725	137	
		6	—	—	920	—	1755	139	
		7	—	—	1020	—	1782	140	
		8	—	—	1360	—	1750	141	

by the scales readjusted M.R.D.

Strike repeated by mistake in my page

Omit

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1929phae.proj.1267C

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1630	740	760	453	460	7.05, 7.07	
1680	1140	1140	678	678	8.00, 8.00	
1690	710	740	420	420	6.93, 6.93	
1656	327	348	197	210	5.98, 6.03	
1680	938	1010	558	601	7.49, 7.68	
1640	860	—	624	—	7.35	
1669	337	373	202	224	6.00, 6.08	
1664	1167	1223	700	734	8.07, 8.33	
1696	1050	1070	622	633	7.75, 7.81	
1636	1030	—	630	—	7.99	338
1662	1060	1080	637	649	7.83, 7.87	
1580	988	—	625	—	7.76	2a

omitted

1536	10	—	7	—
1629	87	—	53	—
1640	135	—	82	—
1650	250	—	152	—
1640	315	—	192	—
1588	483	—	304	—
1616	781	—	484	—
1642	880	—	535	—
1609	1249	—	757	—

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1929phae.proj.127C

28
New Series

NGP - RH 804 - July 15, 1929

Strip	Class	Star	y	x	Decl	Diff	Cl	Dk	
		14	1965	911	100		1660	140	500
		1	1870	559	220	—	1748	140	
		2	—	—	261	—	1760	140	
		3	—	—	362	—	1740	141	
		4	—	—	450	—	1763	141	
		5	—	—	559	—	1710	142	
		6	—	—	883	—	1748	142	
		7	—	—	1008	—	1770	143	
		8	—	—	1329	—	1731	142	
22.0		139	2202	326	737	742	1780	145	
		140	2199	365	1271	1322	1822	148	
		141	2209	482	1084	1085	1801	148	
		52	2212	530	1140	—	1779	148	
		53	2201	1015	603	—	1782	145	
		142	2197	1038	1133	1152	1751	147	
		143	2212	1119	807	813	1760	144	
		144	2200	1348	1144	1142	1778	149	
		54	2200	1392	812	—	1759	142	
22.2		145	2219	371	1248	1301	1829	150	
		146	2219	419	671	711	1782	145	
		147	2218	542	1232	1237	1780	149	
		148	2230	648	1093	1092	1787	149	
22.4		149	2244	949	1015	1038	1790	150	
		150	2250	1269	1171	1171	1740	150	
22.6		151	2258	373	1261	1300	1810	150	
		55	2260	679	708	—	1810	151	
		152	2275	881	928	927	1777	150	
		153	2270	1139	182	192	1687	149	
		154	2269	1152	1170	1167	1781	150	
		155	2269	1241	1098	1145	1750	150	

Con. in Bk. 64 Page 2

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1929phae.proj.126TC

Cl. Dk.	Defl. Dk.	Defl. Dk.	Reduced	Reduced	Magn. L. No.	
1620	10	—	7	—		
1608	80	—	50	—		
1620	121	—	75	—		
1599	221	—	138	—		
1622	309	—	190	—		
1568	417	—	266	—		
1606	741	—	462	—		
1627	865	—	632	—		
1589	1187	—	748	—		
1635	592	697	362	365	6.80, 6.82	
1674	1123	1134	671	677	8.04 8.06 6.83, 6.84	
1653	936	937	628	569	7.62 7.63	
1631	992	—	607	—	7.18	
1637	458	—	280	—	6.45	376 v
1604	986	1005	614	626	7.82, 7.86	
1616	663	669	418	415	7.01, 7.03	
1629	995	993	611	610	7.82, 7.80	
1617	670	—	414	—	7.01	297 x
1679	1098	1151	655	686	7.98, 8.09	
1637	526	566	322	346	6.63, 6.71	
1631	1083	1088	664	667	8.01, 8.03	
1638	944	943	576	575	7.68, 7.68	
1640	866	888	527	541	7.47, 7.53	
1590	1021	1021	641	641	7.92, 7.92	
1660	1111	1150	670	692	8.04, 8.12	
1659	559	—	336	—	6.67	625 v
1627	778	777	478	477	7.26, 7.26	
1538	33	43	21	28	3.12, 3.15	
1631	1020	1017	663	661	8.02, 8.01	
1600	948	995	592	622	7.73, 7.86	

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1929phae.proj.127C

Harvard Series

DGP-RH 1175 – July 17, 1929

Strip	Class	Star	Y	X	Dyff	Dyff	Cl	Dk	Volts
		10	2070	904	290	—	1330	105	500
		1	1730	778	540	—	1428	110	
		2	—	—	653	—	1422	105	
		3	—	—	748	—	1428	105	
		4	—	—	781	—	1438	108	
		5	—	—	911	—	1430	110	
		6	—	—	1119	—	1462	111	
		7	—	—	1173	—	1475	111	
		8	—	—	1296	—	1420	111	
14.8	p	1	1480	909	1030	—	1440	110	
15.2	f	1	1528	522	731	725	1472	108	
	ff	2	1518	984	1062	1062	1447	105	
15.4	p	2	1539	550	1114	—	1461	111	
	p	3	1547	810	1182	—	1435	110	
	f	3	1541	992	1152	1157	1461	113	
15.8	f	4	1592	459	770	770	1483	113	
	p	4	1578	480	1188	—	1481	111	
	f	5	1587	853	1171	1161	1418	113	
	p	5	1589	1047	1038	—	1450	115	
	p	6	1590	1084	1168	—	1468	112	
16.2	p	7	1633	1048	1220	—	1468	121	
16.4	p	8	1643	778	1249	—	1434	121	
	f	6	1648	990	1030	1020	1454	120	
16.8	p	9	1685	1269	1141	—	1449	120	
17.0	p	10	1710	562	1100	—	1493	121	
17.4	f	7	1740	832	960	940	1449	123	
17.6	ff	8	1759	1001	1023	1017	1459	129	
	ff	9	1774	1160	1080	1080	1457	126	
	p	11	1770	1278	1210	—	1470	129	
17.8	f	10	1782	286	845	840	1558	128	

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1929phae.proj.126C

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1225	185	—	151	—		
1318	430	—	326	—		
1317	548	—	415	—		
1323	643	—	486	—		
1330	673	—	506	—		
1320	801	—	667	—		
1351	1008	—	744	—		
1364	1062	—	779	—		
1309	1185	—	906	—		
1330	920	—	693	—	6.83	960
1364	623	617	457	453	5.54, 5.52	
1342	951	957	713	713	6.93, 6.93	
1350	1003	—	743	—	7.08	844
1325	1072	—	810	—	7.55	926
1348	1039	1044	771	775	7.25, 7.28	
1370	669	667	480	480	5.70, 5.70	
1370	1077	—	788	—	7.39	809
1305	1058	1048	811	804	7.55, 7.50	
1335	923	—	692	—	6.83	1050
1356	1056	—	779	—	7.33	1043
1347	1099	—	816	—	7.60	1044
1313	1128	—	860	—	7.93	
1334	910	900	683	675	6.77, 6.74	
1329	1021	—	770	—	7.26	1141
1372	979	—	714	—	6.96	805
1326	837	817	632	616	6.53, 6.45	
1330	894	888	673	669	6.73, 6.71	
1331	954	954	716	716	6.95, 6.95	
1341	1081	—	806	—	7.53	1104
1430	717	712	502	498	5.83, 5.82	

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1929phae.proj.1267C

32 New Series

RH 1175

Trip	Class	Star	y	x	Diff.	Diff.	Cl	Dk.	Wts
		11	1984	653	987	979	1426	120	
18.2	p	12	1821	1018	1192	—	1460	130	
18.4	p	13	1858	1139	1222	—	1468	130	
		12	1842	1162	1246	1232	1461	130	
	p	14	1840	1329	852	—	1466	127	
18.6	p	15	1870	1240	1119	—	1451	131	
19.0	p	16	1891	483	1270	—	1491	131	
19.2		13	1920	833	1123	1128	1439	129	
	p	17	1933	992	1203	—	1441	129	
19.4		14	1939	521	586	582	1460	130	
		15	1952	604	1202	1183	1481	139	
	p	18	1950	822	1285	—	1455	141	
	p	19	1951	1166	1050	—	1441	140	
19.6	p	20	1967	248	578	—	1570	139	
		16	1966	1112	1110	1117	1418	140	
	p	21	1960	1154	1212	—	1469	140	
	p	22	1958	1190	1133	—	1458	140	
19.8		17	1996	412	1004	1005	1523	144	
		18	1980	681	1012	1010	1444	149	
		19	1991	841	905	900	1451	150	
		20	1990	971	1068	1040	1451	151	
		21	1990	998	1230	1231	1400	149	
	p	23	1976	1089	821	—	1449	148	
		10	2010	911	951	—	1362	145	
		1	1730	559	581	—	1431	143	
		2	—	—	708	—	1440	149	
		3	—	—	790	—	1450	150	
		4	—	—	832	—	1457	151	
		5	—	—	962	—	1442	151	
		6	—	—	1149	—	1448	152	
		7	—	—	1214	—	1498	153	
		8	—	—	1225	—	1442	153	4.95

Am tin
BK 68
p 22

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1929phae.proj.1267C

Co.-Dk.	Defl.-Dk.	Defl-Dk	Reduced	Reduced	Magn.	D. No.
1306	867	859	664	657	6.67, 6.65	
1330	1062	—	800	—	7.48	1109
1338	1092	—	817	—	7.62	1166
1331	1116	1102	838	828	7.77, 7.68	
1339	725	—	542	—	6.05	1214
1320	988	—	750	—	7.13	1208
1360	1139	—	837	—	7.76	
1310	994	999	759	763	7.17, 7.20	
1312	1074	—	820	—	7.63	1171
1330	456	452	343	340	4.53, 4.50	
1342	1063	1044	793	779	7.43, 7.32	
1314	1144	—	871	—	8.02	2 N
1301	910	—	699	—	6.86	1242
1431	339	—	237	—	3.43	660
1278	970	977	758	764	7.17, 7.20	
1329	1072	—	809	—	7.55	1246
1318	993	—	755	—	7.15	1251
1379	860	861	624	625	6.49, 6.49	
1325	863	861	652	650	6.62, 6.61	
1301	755	750	580	577	6.26, 6.24	
1306	917	889	707	685	6.90, 6.79	
1301	1081	1082	832	833	7.72, 7.73	
1301	673	—	517	—	5.95	= no 3 sequence star
1217	206	—	169	—		
1288	438	—	341	—		
1291	559	—	433	—		
1300	640	—	492	—		
1306	681	—	522	—		
1291	811	—	629	—		
1326	997	—	754	—		
1345	1061	—	790	—		

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1929phae.proj.127C

34 New Series FMC R+ 645 July 19, 1929 Plate Rejected

Strip	Class	Star	Y	X	Diff	Diff	C.	Dec.	Date
		15	1959	798	021	—	1561	020	5.21
		1	1980	435	081	—	1600	020	
		2	—	—	125	—	1660	024	
		3	—	—	170	—	1635	025	
		4	—	—	260	—	1640	025	
		5	—	—	355	—	1605	028	
		6	—	—	629	—	1628	029	
		7	—	—	811	—	1645	028	
		8	—	—	1110	—	1651	029	
14.6	p	1	1471	740	935	—	1655	030	
	p	1	1475	845	950	952	1680	040	
14.8	p	2	1486	695	288	—	1680	040	
	p	2	1481	840	918	929	1671	038	
15.0	p	3	1499	530	931	—	1700	040	
	p	4	1513	612	895	—	1665	040	
15.2	p	5	1528	687	1102	—	1659	040	
15.4	p	6	1550	474	1099	—	1660	041	
	p	3	1548	508	753	770	1663	040	
	p	4	1540	549	389	410	1665	040	
	p	7	1558	869	951	—	1691	040	
15.6	p	8	1560	640	1078	—	1675	042	
	p	9	1560	970	640	—	1663	042	
	p	5	1573	1018	320	320	1650	040	
~~16.0~~ ~~15.8~~	p	10	1580	700	720	—	1658	041	
16.0	p	6	1600	1089	1070	1100	1679	044	
16.2	p	11	1658	382	849	—	1660	044	
	p	7	1649	730	820	835	1682	045	
	p	12	1651	769	641	—	1679	042	
	p	13	1640	1180	1037	—	1660	045	
~~16.6~~		15	1959	798	050	—	1570	045	

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1929phae.proj.126c

Cl.-Dk.	Diff.-Dk.	Diff.-Dk.	Reduced	Reduced	Magn.	L. No.
1641	1	—	1	—		
1580	61	—	39	—		
1636	101	—	61	—		
1610	145	—	90	—		
1615	235	—	146	—		
1577	327	—	207	—		
1599	600	—	377	—		
1617	783	—	517	—		
1522	1081	—	712	—		
1625	905	—	557	—	7.75	
1640	910	912	566	536		
1640	248	—	151	—	6.04	1214
1633	880	891	530	537		
1660	891	—	537	—	7.67	1141
1625	855	—	527	—	7.61	1104
1619	1062	—	657	—	8.16	1201
1619	1058	—	655	—	8.14	1110
1623	713	730	438	449		
1625	349	370	213	227		
1651	911	—	632	—	7.73	8
1633	1036	—	634	—	8.06	1176
1621	598	—	369	—	6.96	51
1610	280	280	174	174		
1617	679	—	420	—	7.17	1208
1635	1026	1056	628	645		
1618	805	—	498	—	7.50	1043
1637	775	790	473	482		
1637	599	—	366	—	6.96	1251
1615	992	—	614	—	7.99	135
1526	05	—	03	—		

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1929phae.proj.1267C

36 New Series

7mc R.A. 645 July 19, 1929

Trip	Class	Star	y	x	Defn	Defn	a	Da	Vocl
		1	1980	435	125	—	1610	045	
		2	—	—	148	—	1679	049	
		3	—	—	202	—	1645	048	
		4	—	—	312	—	1644	050	
		5	—	—	400	—	1600	050	
		6	—	—	752	—	1630	050	
		7	—	—	800	—	1658	052	
		8	—	—	1195	—	1659	055	
	Hyp-	R.A. 645 - July 19, 1929							530
		10	1959	798	033	—	1477	032	
		1	1980	435	097	—	1610	033	
		2	—	—	127	—	1617	036	
		3	—	—	191	—	1652	039	
		4	—	—	291	—	1615	040	
		5	—	—	378	—	1641	040	
		6	—	—	660	—	1630	041	
		7	—	—	770	—	1642	048	
		8	—	—	1120	—	1652	049	
16.6	f	8	1660	523	499	506	1673	045	
	p	14	1669	650	910	—	1700	049	
	p	15	1672	758	497	—	1680	049	
16.8	p	16	1681	376	658	—	1670	051	
	p	17	1688	760	823	—	1678	050	
	f	9	1683	880	110	110	1662	050	
17.0	p	18	1698	419	910	—	1692	052	
	f	10	1699	503	934	933	1695	053	
	p	19	1705	801	480	—	1692	057	
	p	20	1700	948	181	—	1667	053	
17.2	f	11	1730	545	1034	1043	1661	059	
	f	12	1737	669	080	080	1648	058	

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1929phae.proj..1267C

R.A.-Dk.	Decl.-Dk.	Decl.-Dk.	Reduced	Reduced	Magn.	2. No.
1565	80	—	51	—		
1630	99	—	61	—		
1597	154	—	96	—		
1594	262	—	164	—		
1550	350	—	226	—		
1580	702	—	444	—		
1606	748	—	466	—		
1604	1080	—	673	—		
1445	1	—	1	—		
1577	64	—	41	—		
1581	91	—	57	—		
1613	152	—	94	—		
1575	251	—	159	—		
1601	338	—	211	—		
1589	619	—	390	—		
1594	720	—	454	—		
1603	1071	—	668	—		
1628	454	461	280	285		
1651	861	—	522	—	7.60	1166
1631	448	—	274	—	6.55	1242
1619	607	—	376	—	6.56	1030
1628	773	—	476	—	7.41	1246
1612	60	60	37	37		
1640	858	—	524	—	7.61	1044
1642	881	880	537	536		
1635	423	—	259	—	6.50	1279
1614	128	—	79	—	5.53	56
1602	975	984	608	614		
1590	22	22	14	14		

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1929phae.proj.1267C

38 New Series

Zgp-CW 645 – July 19, 1929

Strip	Class	Star	y	x	Dyc	Dyc	cc	Dx	Vect
	p	21	1780	1024	918	—	1680	060	
17.4	p	13	1749	617	840	860	1672	060	
17.6	p	22	1774	878	689	—	1709	060	
	p	23	1769	1051	942	—	1694	061	
17.8	p	24	1780	290	680	—	1651	062	
	p	25	1779	591	888	—	1670	063	
	p	14	1781	891	961	984	1679	068	
18.0	p	15	1811	1076	231	239	1660	063	
	p	06	1800	1167	383	—	1669	063	
	p	07	1798	1302	858	—	1583	063	
18.2	p	28	1832	691	838	—	1668	066	
18.4	p	16	1852	868	528	531	1652	066	
	p	29	1852	975	1038	—	1664	068	
18.8	p	30	1898	268	980	—	1651	069	
	p	17	1881	402	732	751	1673	062	
	p	18	1886	780	935	940	1650	065	
	p	19	1879	851	210	220	1613	062	
	p	31	1884	1303	158	—	1668	063	
	p	32	1880	1352	319	—	1668	061	
	p	20	1889	1346	088	090	1629	060	
19.0	p	33	1899	268	963	—	1640	062	
	p	34	1913	1040	288	—	1683	062	
	p	21	1891	1201	1051	1048	1670	069	
19.2	p	22	1921	620	770	799	1649	068	
	p	35	1930	1151	628	—	1678	070	
	p	23	1918	1231	1040	1038	1659	070	
	p	36	1930	1290	1113	—	1683	070	
19.4	p	24	1948	161	1019	1021	1643	071	
19.6	p	37	1956	352	1021	—	1640	070	
	p	38	1971	1218	982	—	1689	072	

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1929phae.proj.126C

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1620	858	—	530	—	7.63	118
1612	780	800	484	497		
1649	629	—	381	—	7.02	623
1633	881	—	539	—	7.66	b
1589	618	—	390	—	7.05	
1607	825	—	513	—	7.56	1109
1605	893	916	537	571		
1597	168	176	105	110		
1606	320	—	199	—	6.23	183
1520	795	—	523	—	7.60	206
1602	772	—	482	—	7.43	1171
1586	462	465	292	294		
1596	970	—	608	—	7.96	h
1582	911	—	576	—	7.82	926
1611	670	689	416	427		
1585	870	875	548	552		
1551	148	158	95	102		
1605	95	—	59	—	5.19	239
1601	258	—	160	—	6.07	241
1569	28	30	18	19		
1578	901	—	572	—	7.81	926
1621	226	—	139	—	6.98	205
1601	982	979	614	611		
1581	702	731	444	462		
1608	558	—	347	—	6.86	240
1589	970	968	612	616		
1613	1043	—	647	—	8.10	225
1572	948	950	602	604		
1576	951	—	606	—	7.95	
1617	910	—	563	—	7.77	264

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1929phae.proj.127C

New Series

HgP-RH645-July 19, 1929

trip	class	star	x	y	Dyz	Dzx	cc	Dh	Vack
	f	25	1977	1259	949	360	1680	070	
	f	26	1961	1350	873	871	1680	070	
19.8	f	27	1981	460	1077	1083	1639	070	
	p	39	1984	470	360	—	1639	068	
	f	28	1981	590	701	720	1631	070	
20.0	p	40	2001	659	957	—	1623	073	
	p	41	2013	1088	990	—	1662	078	
20.2	p	42	2028	1119	482	—	1664	072	
20.4	p	43	2050	270	1100	—	1639	074	
	p	44	2050	1141	440	—	1678	073	
	p	45	2052	1309	622	—	1678	072	
20.6	f	29	2072	338	1078	1088	1631	079	
	f	30	2078	428	130	120	1610	072	
	f	31	2062	948	375	380	1631	073	
	f	32	2062	1238	1031	1028	1648	080	
	f	33	2059	1246	994	1001	1678	080	
20.8	f	34	2081	910	972	983	1656	081	
	f	35	2079	1109	441	440	1662	080	
	p	46	2089	1180	844	—	1641	081	
	f	36	2088	1340	500	507	1679	081	
	f	10	1959	798	086	—	1520	089	
		1	1980	435	162	—	1652	083	
		2	—	—	193	—	1639	081	
		3	—	—	261	—	1680	080	
		4	—	—	352	—	1670	081	
		5	—	—	437	—	1670	081	
		6	—	—	694	—	1670	082	
		7	—	—	790	—	1660	083	
		8	—	—	1231	—	1672	074	

525

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1929phae.proj.1267C

R.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. Ko.
1610	274	290	174	180		
1610	803	801	499	498		
1569	1007	1013	683	647		
1571	292	—	186	—	6.17	no 4 sequence star
1561	631	656	404	416		
1550	884	—	570	—	7.79	2n
1584	912	—	576	—	7.82	274
1592	410	—	258	—	6.49	279
1565	1026	—	657	—	8.16	280
1605	367	—	228	—	6.35	294
1606	550	—	343	—	6.84	297
1552	999	1009	143	649		
1538	58	58	38	38		
1558	302	307	194	197		
1568	951	948	607	605		
1598	914	921	572	577		
1575	891	902	566	574		
1582	361	360	224	027		
1560	763	—	490	—	7.46	2a
1598	419	426	262	267		
1437	03	—	2	—		
1569	79	—	51	—		
1558	112	—	72	—		
1600	181	—	113	—		
1589	271	—	170	—		
1589	356	—	224	—		
1588	615	—	388	—		
1577	707	—	452	—		
1598	1151	—	725	—		

525

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1929phae.proj.127C

42 Red Series

FMC RH 645 July 20, 1929

strip	class	star	y	x	Dyfe	Dxfe	el.	Dk	Volt
		1S	1959	821	450	—	1649	110	
		1	1980	460	390	—	1691	111	
		2	—	—	390	—	1757	108	
		3	—	—	470	—	1730	110	
		4	—	—	638	—	1712	110	
		5	—	—	672	—	1691	110	
		6	—	—	940	—	1702	110	
		7	—	—	1059	—	1720	110	
		8	—	—	1300	—	1720	110	
21.2	p	47	2124	1050	1138	—	1699	125	
21.4	p	48	2141	211	1158	—	1640	125	
	p	37	2141	296	1290	1280	1669	125	
21.6	p	49	2162	994	759	—	1690	130	
	p	38	2160	1090	758	790	1709	127	
21.8	p	50	2180	380	1069	—	1682	130	
22.0	p	51	2208	720	800	—	1711	130	
22.2	p	52	2220	230	1155	—	1652	131	
	p	53	2220	350	1265	—	1690	132	
	p	39	2218	360	1020	1010	1665	131	
	p	40	2230	1124	1284	1290	1705	132	
	p	41	2218	1170	1241	1242	1711	138	
	p	54	2221	1210	1300	—	1708	135	
	p	42	2218	1238	1122	1155	1712	135	
		1S	1959	821	181	—	1650	138	
		1	1980	460	419	—	1679	135	
		2	—	—	429	—	1735	138	
		3	—	—	491	—	1714	139	
		4	—	—	701	—	1702	139	
		5	—	—	700	—	1681	140	
		6	—	—	950	—	1691	140	

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1929phae.proj.126C

Cl - Dk.	Defl. Dk.	Defl. Dk.	Reduced	Reduced	Magn.	L. No.
1539	40	—	26	—		
1580	279	—	177	—		
1649	282	—	171	—		
1620	360	—	222	—		
1602	528	—	330	—		
1581	562	—	355	—		
1592	830	—	521	—		
1610	949	—	590	—		
1610	1190	—	740	—		
1574	1013	—	644	—	7.83	338
1515	1033	—	682	—	8.01	844
1544	1165	1155	755	748		
1560	629	—	403	—	6.65	376
1582	631	663	399	419		
1552	939	—	605	—	7.64	805
1581	670	—	423	—	6.75	627
1521	1024	—	674	—	7.96	809
1558	1133	—	728	—	8.23	791
1534	889	879	579	572		
1573	1152	1158	733	736		
1573	1103	1104	702	703		
1573	1165	—	742	—	8.30	
1677	987	1020	589	608		
1512	43	—	28	—		
1644	284	—	173	—		
1597	291	—	182	—		
1575	352	—	223	—		
1563	562	—	361	—		
1541	580	—	363	—		
1551	810	—	522	—		

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1929phae.proj.127c

44 New Series

7mc R# 645

Plate Rejected

Strip	class	star	x	y	Dyx	Dyy	cc	Dk	Volt
		7	—	—	1000	—	1710	140	
		8	—	—	1290	—	1718	140	
	Kgp.	R# 645	— July 20,	1929					
		10	1959	821	163	—	1550	122	320
		1	1980	460	410	—	1677	124	
		2	—	—	443	—	1720	129	
		3	—	—	442	—	1723	130	
		4	—	—	679	—	1701	130	
		5	—	—	690	—	1711	130	
		6	—	—	951	—	1710	131	
		7	—	—	1052	—	1720	131	
		8	—	—	1300	—	1709	132	
22.6	f	43	2267	919	1020	1020	1674	140	
	f	44	2258	489	898	897	1692	139	
	p	55	2271	721	1251	—	1709	138	
22.8	f	45	2280	611	990	990	1699	141	
	f	46	2289	909	1220	1211	1694	142	
23.0	p	56	2309	532	1220	—	1699	143	
	f	47	2310	798	1021	1018	1701	141	
	f	48	2308	872	817	821	1713	142	
23.2	p	57	2319	690	878	—	1720	151	
23.4	f	49	2350	700	972	990	1701	150	
23.6	f	50	2379	548	1151	1144	1697	152	
	p	58	2370	643	1112	—	1718	153	
	p	59	2364	1043	1120	—	1730	154	
	p	60	2358	1146	1048	—	1712	151	
23.8	p	61	2390	1160	579	—	1718	151	
24.0	p	62	2400	690	889	—	1713	151	
	f	51	2397	693	846	866	1725	150	
	p	63	2401	739	1170	—	1728	150	

Con. in Obs. 68, P. 28

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1929phae.proj.1267c

α. Dk.	Diff. -Dk.	Diff. -Dk.	Reduced	Reduced	Magn.	L. Kr.
15'70	860	—	548	—		
15'78	1150	—	729	—		
14'28	41	—	29	—		
15'53	286	—	184	—		
15'91	284	—	178	—		
15'93	342	—	214	—		
15'71	549	—	349	—		
15'81	560	—	354	—		
15'79	820	—	520	—		
15'89	921	—	581	—		
15'77	1168	—	741	—		
15'34	880	880	574	574		
15'53	759	758	488	487		
15'71	1113	—	709	—		601
15'58	849	849	546	546		
15'52	1078	1069	695	689		
15'56	1077	—	693	—		713
15'60	880	877	557	562		
15'71	675	679	429	432		
15'69	727	—	465	—		625
15'51	822	840	530	542		
15'45	999	992	646	643		
16'65	969	—	613	—		642
15'76	966	—	614	—		451
15'61	897	—	575	—		420
15'67	428	—	273	—		426
15'62	738	—	473	—		606
15'75	696	716	443	455		
15'78	1020	—	647	—		587

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1929phae.proj.127c

 New Series FMC July 24, 1929 R H 1155

Mag	Class	Star	y	x	Dyll	Dyll	cc	Dx	Vots,
		18	2020	838	261	—	1082	022	5.00
		1	1818	535	505	—	1069	028	
		2	—	—	571	—	1059	030	
		3	—	—	670	—	1070	030	
		4	—	—	680	—	1065	030	
		5	—	—	759	—	1098	030	
		6	—	—	885	—	1098	035	
		7	—	—	911	—	1110	032	
		8	—	—	1020	—	1088	035	
14.8	f	1	1488	759	680	685	1055	040	
	f	2	1491	871	859	859	1057	040	
15.0	f	(not sure of star 1)	1511	600	901	—	1018	040	
	f	3	1510	702	940	950	1040	040	
	f	2	1500	830	950	—	1051	040	
	f	4	1498	929	500	530	1059	041	
15.2	f	3	1538	495	775	—	1010	041	
	f	4	1530	691	860	—	1040	048	
	f	5	1532	990	642	640	1080	049	
15.4	f	5	1545	670	788	—	1039	049	
	f	6	1540	691	710	710	1040	050	
15.6	f	7	1560	527	895	892	1032	050	
	f	6	1560	961	895	—	1060	050	
15.8	f	8	1590	619	938	950	1031	051	
	f	7	1581	695	910	—	1041	057	
	f	8	1583	1045	673	—	1091	051	
	f	9	1585	1115	988	990	1110	052	
16.0	f	9	1610	449	963	—	1029	052	
	f	10	1610	953	971	—	1062	055	
	f	11	1611	1010	968	—	1071	055	
	f	12	1601	1088	934	—	1103	058	

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1929phae.proj.1267c

d-Dk.	Defl Dk	Defl Dk	Reduced	Reduced	Magn.	L. No.
1060	239	—	226	—		
1041	477	—	458	—		
1029	541	—	526	—		
1040	640	—	615	—		
1035	650	—	628	—		
1068	729	—	682	—		
1063	850	—	799	—		
1078	879	—	815	—		
1053	985	—	936	—		
1015	640	645	631	636	5.90. 6.44	~~5.90, 6.44~~
1017	819	819	806	806	7.25, 7.25	~~7.25, 7.25~~
978	861	—	880	—	7.85	
1000	900	910	899	909	8.01, 8.10	
1011	910	—	899	—	8.01	1110 X
1018	469	489	451	470	4.41, 4.69	
969	734	—	757	—	6.85	
992	812	—	818	—	7.34	1043 X
1031	593	591	574	572	5.47, 5.45	
990	739	—	745	—	6.74	1030 X
990	660	660	666	666	6.64, 6.64	
982	845	842	861	857	7.70, 7.67	
1010	845	—	836	—	7.47	1104 X
980	887	899	905	916	8.06, 8.16	
990	839	—	866	—	7.73	1044 X
1040	622	—	598	—	5.65	1214 X
1068	936	938	884	885	7.90, 7.90	
977	911	—	932	—	8.30	
1007	916	—	909	—	8.09	1176 X
1016	913	—	899	—	8.01	1201 X
1046	876	—	838	—	7.50	

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1929phae.proj.1267C

48 New Series

FMC RH 1155 July 24, 1929

trip	class	star	y	x	Diff	Diff	c	Dh	Volt
		15	2020	838	300	—	1080	058	
		1	1818	535	532	—	1065	053	
		2	—	—	590	—	1065	055	
		3	—	—	679	—	1040	053	
		4	—	—	690	—	1070	055	
		5	—	—	780	—	1105	053	
		6	—	—	909	—	1108	053	
		7	—	—	923	—	1120	055	
		8	—	—	1020	—	1090	158	
	Hyp	RH	1155	July	24, 1929				
		10	2020	838	270	—	944	030	505
		1	1818	535	510	—	1023	030	
		2	—	—	547	—	1021	029	
		3	—	—	632	—	1029	031	
		4	—	—	660	—	1026	032	
		5	—	—	742	—	1061	030	
		6	—	—	861	—	1042	033	
		7	—	—	880	—	1070	031	
		8	—	—	985	—	1051	033	
16.2	p	13	1617	986	900	—	990	050	
	f	10	1620	871	674	674	1034	041	
16.4	p	14	1649	452	840	—	990	042	
16.6	f	11	1660	681	861	872	1016	049	
	p	15	1660	989	821	—	1042	051	
16.8	f	12	1690	561	702	702	1009	051	
17.0	p	16	1702	899	897	—	1034	052	
17.2	p	17	1730	969	949	—	1034	055	
17.4	f	13	1729	1088	963	963	1085	060	
	p	18	1748	483	909	—	1028	063	
	p	19	1751	782	871	—	1053	061	

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1929phae.proj.1267C

Q. Dk.	Defl. Dk.	Defl. Dk.	Reduced	Reduced	Magn.	L. No.	
1022	242	—	237	—			
1012	479	—	474	—			
1010	535	—	531	—			
987	626	—	635	—			
1015	635	—	626	—			
1052	727	—	691	—			
1055	856	—	811	—			
1065	868	—	815	—			
1032	962	—	932	—			
914	240	—	263	—			
993	480	—	483	—			
992	518	—	523	—			
998	601	—	602	—			
994	628	—	632	—			
1031	712	—	689	—			
1009	828	—	821	—			
1039	849	—	817	—			
1018	952	—	935	—			
948	850	—	903	—	8.0ϕ	3a	X
993	633	633	638	638			
948	798	—	842	—	7.45	926	X
967	812	823	840	851			
991	770	—	777	—	6.98	1208	X
958	651	651	680	680			
985	845	—	858	—	7.60	1166	V
979	894	—	914	—	8.08	892	X
1025	903	903	881	881			
965	846	—	877	—	7.73		
992	810	—	816	—	7.35	1189	V

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1929phae.proj.1267C

50 New Series

Hgp- RH 1155 - July 24, 1929

Strip	Class	Star	Ny	X	Dyfl	Dyfl	Cl	Dk	Volts
17.6	p	20	1770	360	942	—	1038	060	
	p	21	1770	979	772	—	1063	060	
	p	22	1760	1000	891	—	1068	059	
17.8	p	23	1791	239	859	—	1100	067	
	l	14	1800	249	688	690	1091	066	
	l	15	1780	360	940	940	1042	068	
	p	24	1783	972	894	—	1070	061	
18.0	p	25	1810	1217	810	—	1105	065	
18.2	p	26	1823	995	810	—	1129	072	
18.4	l	16	1854	200	714	714	1159	072	
	l	17	1840	520	321	332	953	070	
	l	18	1850	523	961	968	1133	072	
18.6	p	27	1859	829	968	—	1161	071	
	l	19	1869	1277	948	968	1251	071	
18.8	p	28	1882	1081	690	—	1200	075	
19.2	p	29	1923	349	920	—	1210	072	
	p	30	1924	1011	951	—	1217	079	
19.6	l	20	1959	354	1040	1050	1220	081	
19.8	l	21	1980	189	960	962	1239	084	
	l	22	1990	362	963	960	1232	082	
	l	23	1988	1051	980	982	1260	082	
	b	10	2020	838	349	—	1087	081	
		1	1818	535	600	—	1186	083	
		2	—	—	660	—	1179	086	
		3	—	—	760	—	1189	083	
		4	—	—	789	—	1188	088	
		5	—	—	875	—	1220	088	
		6	—	—	1000	—	1197	087	
		7	—	—	1125	—	1242	087	
		8	—	—	1140	—	1212	088	

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1929phae.proj.1267c

Q.-Pk.	Diff.-Pk.	Diff.-Pk.	Reduced	Reduced	Magn.	P. No.
978	882	—	901	—	7.98	880 x
1003	712	—	710	—	6.54	1242 v
1009	772	—	766	—	6.88	1251 v
1033	792	—	785	—	6.88	844 x
1025	622	624	607	609		
974	872	872	895	895		
1009	833	—	825	—	7.34	1246 v
1040	746	—	716	—	6.57	51 x
1057	738	—	698	—	6.47	1279 v
1087	642	642	590	590		
883	251	262	284	296		
1061	889	896	837	844		
1090	897	—	822	—	7.30	1171 v
1180	877	897	744	761		
1125	615	—	547	—	5.36	56 v
1138	848	—	746	—	6.75	805 v
1138	872	—	767	—	6.90	62 v
1139	959	969	842	851		
1155	876	878	759	761		
1150	881	878	766	763		
1178	898	900	761	763		
1006	268	—	264	—		
1103	577	—	470	—		
1093	574	—	525	—		
1106	677	—	613	—		
1100	701	—	638	—		
1132	787	—	696	—		
1110	913	—	822	—		
1155	938	—	811	—		
1124	1052	—	936	—		

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1929phae.proj.1267C

52

New Series

Opp - R H 1148 - July 27, 1929

Strip	Class	Star	y	x	Diff.	Diff.	Ce	Db	Notes
		1	2000	899	216	—	1663	085	510
		1	1900	550	420	—	1660	088	
		2	—	—	596	—	1683	083	
		3	—	—	713	—	1699	087	
		4	—	—	790	—	1664	082	
		5	—	—	982	—	1660	081	
		6	—	—	1290	—	1618	083	
		7	—	—	1309	—	1620	087	
		8	—	—	1560	—	1643	087	
14.8	p	1	1478	803	1280	—	1660	083	
15.2	p	2	1520	879	1373	—	1680	091	
	f	1	1529	881	1329	1322	1676	092	
	p	3	1520	962	800	—	1683	093	
15.6	p	4	1576	611	1326	—	1655	090	
	f	2	1559	833	1364	1348	1709	093	
16.0	p	5	1600	597	1187	—	1749	098	
	p	6	1610	934	1353	—	1815	098	
	f	3	1609	979	1488	1443	1810	101	
	f	4	1601	1061	1040	1042	1791	099	
16.2	p	7	1625	632	1440	—	1729	100	
16.4	p	8	1641	428	1183	—	1761	095	
	f	5	1650	597	1284	1280	1779	100	
16.8	p	9	1680	860	1519	—	1785	101	
	p	10	1685	1197	1229	—	1871	102	
17.0	f	6	1711	958	830	811	1780	092	
	p	11	1703	977	1393	—	1839	100	
17.2	f	7	1730	417	868	848	1818	098	
	p	12	1720	959	1247	—	1857	101	
17.4	f	8	1740	792	1413	1410	1861	101	
17.6	p	13	1761	421	1528	—	1827	101	

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1929phae.proj.1267C

Cl.-Dk.	Diff.-Dk.	Diff.-Dk.	Reduced	Reduced	Magn.	L. No.
1578	131	—	83	—		
1572	332	—	211	—		
1600	513	—	321	—		
1612	626	—	388	—		
1582	708	—	447	—		
1579	901	—	571	—		
1535	1207	—	735	—		
1533	1222	—	797	—		
1556	1473	—	946	—		
1577	1197	—	758	—	7.20	1141 ×
1589	1282	—	807	—	7.43	1104 ×
1584	1237	1230	780	776	7.29, 7.26	
1590	707	—	445	—	5.96	1214 ×
1565	1236	—	789	—	7.38	1043 ×
1616	1271	1255	787	776	7.32, 7.27	
1651	1089	—	658	—	6.80	1030 ×
1717	1255	—	732	—	7.10	1208 ×
1709	1387	1342	811	785	7.46, 7.32	
1692	941	943	556	557	6.40, 6.40	
1629	1340	—	802	—	7.52	1044 ×
1666	1088	—	653	—	6.79	960 ? ×
1679	1184	1180	702	698	7.00, 6.97	
1684	1418	—	840	—	7.60	1166 ✓
1769	1127	—	637	—	6.72	51 ×
1688	738	719	437	425	5.93, 5.88	
1739	1293	—	744	—	7.14	1251 ✓
1720	770	750	448	437	5.97, 5.93	
1756	1146	—	653	—	6.79	1242 ✓
1760	1312	1309	745	742	7.15, 7.14	
1726	1427	—	825	—	7.63	926 ×

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1929phae.proj.1267C

New Series

2yp - R Hill 48 - July 24, 1929

Trip	Class	Ste	y	d	Dyf	Dyff	Cl	Db	Notes
	p	14	1760	766	1510	—	1847	102	
	p	15	1764	990	1210	—	1842	102	
17.8	p	16	1795	1090	672	—	1900	112	
18.0	p	17	1798	931	860	—	1870	109	
18.2	p	9	1828	1188	890	873	1891	110	
18.6	p	10	1869	379	519	1510	1830	112	
	p	11	1869	888	1938	1334	1867	111	
	p	18	1857	1037	1413	—	1857	113	
18.8	p	12	1879	993	1194	1190	1850	111	
	p	13	1892	1160	815	811	1883	112	
19.2	p	14	1931	303	940	940	1817	111	
19.6	p	19	1967	260	1380	—	1847	117	
	p	20	1974	1301	1058	—	1891	119	
	p	15	1971	1353	1320	1293	1897	111	
20.2	p	16	2020	1186	1342	1342	1820	122	
20.4	p	21	2044	251	1008	—	1891	129	
	p	22	2040	1147	968	—	1859	130	
20.6	p	23	2059	1106	1321	—	1792	130	
20.8	p	24	2092	1242	1321	—	1848	130	
21.0	p	17	2106	499	1300	1280	1760	132	
	p	25	2102	1401	585	—	1908	133	
	p	26	2112	1443	980	—	1904	134	
		10	2000	899	290	—	1821	131	
		1	1900	550	525	—	1828	131	
		2	—	—	671	—	1864	131	
		3	—	—	825	—	1859	131	
		4	—	—	913	—	1840	132	
		5	—	—	1129	—	1839	132	
		6	—	—	1431	—	1782	131	
		7	—	—	1461	—	1790	132	
		8	—	—	1718	—	1808	133	525

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1929phot.proj.1267C

R.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1745	1308	—	749	—	7.15	1109 ✓
1740	1108	—	636	—	6.72	1279 ✓
1788	560	—	313	—	5.20	56 ✓
1761	751	—	427	—	5.89	no 3 sequence star
1781	780	763	438	428	5.93, 5.89	
1718	1407	1398	819	814	7.50, 7.48	
1756	1227	1223	699	697	6.98, 6.97	
1744	1300	—	745	—	7.14	62 ✓
1739	1083	1079	624	621	6.67, 6.66	
1771	703	699	397	394	5.74, 5.73	
1706	829	829	486	486	6.13, 6.13	
1730	1263	—	730	—	7.08	844 ✗
1772	934	—	526	—	6.27	183 ✗
1786	1209	1182	676	664	6.88,	
1698	1220	1220	718	718	7.04, 7.04	
1702	1379	—	810	—	7.44	809 ✗
1729	838	—	485	—	6.12	205 ✓
1662	1191	—	717	—	7.04	805 ✓
1718	1191	—	694	—	6.95	240 ✓
1628	1168	1148	716	705	7.03, 6.99	
1775	452	—	254	—	4.70	239 ✗
1770	846	—	469	—	6.06	242 ✗
1690	159	—	94	—		
1697	394	—	232	—		
1753	540	—	311	—		
1728	694	—	402	—		
1708	781	—	457	—		
1707	997	—	584	—		
1651	1300	—	786	—		
1658	1329	—	800	—		
1675	1585	—	945	—		

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1929phae.proj.1267C

56

New Series

FMC RH 1148 July 29, 1929

Strip	class	star	y	x	Dyfl	Dyfl	cl	Dk	Volt
		18	2000	831	125	—	1392	-000	
		1	1900	481	291	—	1380	-000	
		2	—	—	430	—	1400	-000	
		3	—	—	563	—	1405	-000	
		4	—	—	619	—	1380	-000	
		5	—	—	812	—	1390	-000	
		6	—	—	1062	—	1289	-000	
		7	—	—	1082	—	1345	-000	
		8	—	—	1300	—	1360	-000	
21.2	f	17	2120	212	1239	—	1359	-000	
21.4	f	18	2149	370	1242	1239	1318	-000	
	f	19	2140	430	580	580	1321	-000	
	f	20	2150	980	1270	1280	1350	-000	
	fp	28	2150	1085	1260	—	1365	-000	
21.6	fp	29	2172	1110	970	—	1380	-000	
21.8	f	21	2189	1023	762	760	1370	-000	
22.0	f	22	2199	532	970	960	1321	-000	
	fp	30	2199	650	900	—	1330	-000	
	fp	31	2203	1122	935	—	1379	-000	
22.2	fp	32	2230	439	1170	—	1339	-000	
	f	23	2230	704	1150	1150	1340	-000	
	fp	33	2235	989	1240	—	1370	-000	
22.4	fp	34	2250	921	903	—	1360	-000	
	fp	35	2252	1149	1221	—	1370	-000	
	f	24	2245	1262	860	860	1410	-000	
22.6	fp	36	2262	1280	1090	—	1430	-000	
22.8	f	25	2291	477	1110	1110	1360	-000	
	fp	37	2290	581	930	—	1329	000	
	f	26	2280	599	280	280	1315	000	
	f	27	2289	1158	1145	1140	1385	000	

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1929plate.proj.1267C

α - Dk	Diff Dk	Defl. Dk	Reduced	Reduced	Magn.	L. No.
1392	125	—	90	—		
1380	291	—	211	—		
1400	430	—	307	—		
1405	563	—	401	—		
1380	619	—	448	—		
1340	812	—	584	—		
1289	1062	—	825	—		
1346	1082	—	804	—		
1360	1300	—	956	—		
1359	1239	—	911	—	7.96	1c ✗
1318	1242	1239	942	939		
1321	580	580	438	438		
1350	1270	1280	940	947		
1365	1260	—	922	—	5.47	274 ✓
1380	970	—	703	—	6.75	279 ✓
1370	762	760	557	554		
1321	970	966	733	726		
1330	900	—	676	—	6.67	627 ✓
1379	935	—	678	—	6.68	294 ✓
1339	1170	—	874	—	7.67	713 ✓
1340	1150	1150	858	858		
1370	1240	—	905	—	7.90	338 ✓
1360	903	—	665	—	6.64	376 ✓
1370	1221	—	891	—	7.80	2a ✗
1410	860	860	610	610		
1430	1090	—	763	—	7.01	297 ✗
1360	1110	1110	816	816		
1329	930	—	701	—	6.75	625 ✓
1315	280	280	213	213		
1385	1145	1140	827	824		

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1929phae.proj.127C

58 New Series

FMC RH 1141 July 29, 1929

Date	class	Star	y	x	Dyff	Dyff	cl	Dh	Wdh
22.8	f	28	2289	1170	822	820	1400	000	
23.0	f	26	2328	520	1130	—	1345	000	
	f	29	2321	840	960	952	1350	000	
23.4	f	39	2339	401	1186	—	1360	000	
	f	30	2350	1090	1220	1220	1320	000	
	f	31	2350	1142	1250	1250	1391	000	
23.6	f	40	2369	555	948	—	1355	000	
	f	32	2371	1229	898	880	1400	001	
23.8	f	33	2390	433	1040	1022	1340	001	
	f	41	2390	600	1190	—	1350	000	
	f	34	2381	1200	1260	1265	1409	001	
24.0	f	42	2401	638	1129	—	1390	001	
	f	35	2409	960	840	838	1370	001	
24.2	f	36	2425	685	1198	1201	1365	003	
	f	37	2431	1050	1275	1278	1360	002	
24.4	f	38	2451	290	1200	1197	1340	005	
	f	39	2440	441	1010	990	1350	002	
	f	40	2445	1030	1218	1240	1360	003	
		1	2000	831	230	—	1385	001	
		1	1900	481	389	—	1380	000	
		2	—	—	542	—	1399	001	
		3	—	—	675	—	1405	000	
		4	—	—	720	—	1380	000	
		5	—	—	910	—	1379	000	
		6	—	—	1103	—	1328	000	
		7	—	—	1110	—	1340	000	
		8	—	—	1300	—	1360	001	
	Hyp		RH	1148	July	29, 1929			
		10	2000	830	170	+	1345	0 —	000
		1	1900	481	357	—	1350	0 —	

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1929phot.proj.126C

R. A. -Dk.	Decl. -Dk.	Decl. -Dk.	Reduced	Reduced	Magn.	L. No.
1400	822	820	588	587		
1345	1130	—	841	—	7.43	642 V
1350	960	952	713	707		
1360	1186	—	873	—	7.66	679 V
1380	1220	1220	884	884		
1391	1250	1250	898	898		
1355	948	—	701	—	6.76	606 V
1399	897	879	643	629		
1339	1089	1031	776	771		
1350	1190	—	883	—	7.73	587 V
1408	1259	1264	895	900		
1319	1128	—	850	—	7.53	570 V
1369	834	837	613	612		
1362	1195	1198	877	879		
1358	1273	1276	937	939		
1335	1195	1192	894	892		
1348	1008	988	748	734		
1357	1215	1237	894	910		
1384	229	—	165	—		
1380	389	—	282	—		
1348	541	—	390	—		
1404	675	—	482	—		
1380	720	—	622	—		
1379	910	—	656	—		
1328	1103	—	831	—		
1340	1110	—	828	—		
1369	1299	—	955	—		
1345	170	—	126	—		
1350	357	—	264	—		

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1929phae.proj.1267C

60 New Series Zyp- RH 1148- July 29, 1929

Trip	Class	Star	y	x	Dyfl	Dyfl	cc	Dk	Vols
		2	—	—	512	—	1370	0 —	
		3	—	—	636	—	1359	0 —	
		4	—	—	671	—	1352	0 —	
		5	—	—	859	—	1343	0 —	
		6	—	—	1069	—	1297	0 —	
		7	—	—	1078	—	1308	0 —	
		8	—	—	1265	—	1345	0 —	
24.6	p	43	2468	358	288	—	1308	0 —	
	f	41	2472	1121	820	800	1367	0 —	
25.0	f	42	2505	1190	1100	1097	1381	0 —	
25.2	p	44	2520	1001	778	—	1331	0 —	
25.4	p	45	2548	695	530	—	1349	0 —	
	p	46	2550	869	807	—	1322	0 —	
25.8	f	43	2590	877	848	847	1270	0 —	
26.0	f	44	2610	590	970	975	1314	0 —	
26.2	f	45	2630	551	931	928	1308	0 —	
26.6	p	47	2671	828	1083	—	1390	0 —	
		10	2000	831	193	—	1318	0 —	
		1	1900	481	370	—	1332	0 —	
Star		2	—	—	520	—	1360	0 —	
finder		3	—	—	628	—	1359	0 —	
		4	—	—	678	—	1340	0 —	
		5	—	—	860	—	1335	0 —	
		6	—	—	1061	—	1295	0 —	
		7	—	—	1070	—	1299	0 —	
		8	—	—	1260	—	1319	0 —	490

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1929phae.proj.1267C

Cl.-Dk	Defl.-Dk	Defl.-Dk	Reduced	Reduced	Magn.	L. Ko.
1370	512	—	374	—		
1359	636	—	469	—		
1352	671	—	497	—		
1343	859	—	639	—		
1297	1069	—	824	—		
1308	1078	—	825	—		
1345	1265	—	941	—		
1368	288	—	220	—	3.76	660 x
1369	820	800	600	585	6.25, 6.19	
1381	1100	1097	796	793	7.16, 7.14	
1331	778	—	585	—	6.19	426 x
1349	530	—	394	—	5.34	536 x
1322	807	—	610	—	6.31	474 x
1270	848	847	667	666	6.58, 6.57	
1314	970	975	738	742	6.88, 6.92	
1308	931	928	712	710	6.77, 6.76	
1330	1083	—	814	—	4.48	498 x
1318	193	—	141	—		
1332	370	—	278	—		
1360	520	—	383	—		
1359	628	—	462	—		
1340	678	—	514	—		
1335	860	—	652	—		
1296	1061	—	820	—		
1299	1070	—	824	—		
1319	1260	—	956	—		

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1929phae.proj.127C

62 New Series

Atp - RH 1149 - July 31, 1929

continued from Book 68, Page 74

Trip	Class	Star	Y	X	Dfd	Dfl.	Cl	Ak.	Volts
		1P	2001	902	308	—	1928	118	520
		1	1908	551	558	—	2025	119	
		2	—	—	781	—	1930	120	
		3	—	—	938	—	1951	121	
		4	—	—	1000	—	2009	121	
		5	—	—	1252	—	1940	123	
		6	—	—	1560	—	1874	129	
		7	—	—	1650	—	1983	130	
		8	—	—	1861	—	1956	130	
20.8	p		2087	1249	1462	—	1933	131	
	p		2090	1408	814	—	1922	130	
21.0	p		2100	372	1813	—	1961	130	
	f		2100	499	1547	1540	1962	137	
	p		2102	1450	1173	—	1888	138	
21.2	p		2130	496	932	925	1969	137	
21.6	p		2155	867	1092	—	1989	142	
	p		2169	1188	1388	—	1948	149	
21.8	f		2190	601	1502	1500	2058	150	
	f		2181	1092	1178	1161	1928	150	
22.0	p		2201	728	1295	—	2012	149	
	p		2200	1202	1304	—	1941	150	
22.2	f		2222	772	1731	1731	2010	151	
22.4	p		2240	518	1761	—	2030	154	
	p		2250	1001	1299	—	1976	152	
	p		2249	1228	1704	—	1947	154	
	f		2240	1331	1300	1290	1931	151	
	p		2253	1359	1506	—	1922	150	
22.6	f		2270	663	440	440	1972	149	
22.8	f		2288	540	1632	1602	2001	160	
	f		2283	1222	1640	1620	1953	160	

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1929phae.proj.1267C

α.-Dk.	Defl.-Dk.	Defl.-Dk	Reduced	Reduced	Mags	H. No.
1810	190	—	105	—		
1906	439	—	230	—		
1810	661	—	365	—		
1830	817	—	446	—		
1898	879	—	465	—		
1817	1129	—	621	—		
1745	1431	—	819	—		
1853	1520	—	821	—		
1826	1731	—	951	—		
1802	1331	—	739	—	6.95	240 ✓
1992	684	—	361	—	5.22	239 ×
1831	1683	—	918	—	8.07	791 ×
1825	1410	1403	772	766	7.14, 7.10	
1750	1035	—	768	—	7.10	242 ×
1832	795	788	433	438	5.63, 5.61	
1847	1450	—	784	—	9.21	no6sequence star
1805	1245	—	690	—	6.75	279 ✓
1908	1352	1350	709	707	6.83, 6.82	
1778	1028	1011	576	568	6.29, 6.26	
1863	1176	—	614	—	6.45	627 ✓
1791	1154	—	643	—	6.54	294 ✓
1869	1579	1580	844	845	7.56, 7.57	
1876	1609	—	856	—	9.63	713 ✓
1824	1147	—	627	—	6.47	376 ✓
1793	1550	—	863	—	9.70	22 ×
1786	1149	1139	649	639	6.57, 6.52	
1772	1356	—	763	—	7.08	297 ×
1823	291	291	159	159	3.37, 3.37	
1841	1472	1442	799	782	7.29, 7.23	
1793	1480	1466	824	813	7.44, 7.36	

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64 New Series

AGP - RH 1149 - July 31, 1929

Strip	Class	Star	Y	X	Defl.	Defl.	Cl.	Dk.	Volts
	f		2282	1237	1230	1290	1932	160	
23.0	p		2300	661	1359	—	2011	158	
23.2	p		2332	601	1641	—	2028	160	
	f		2318	908	1461	1450	1974	158	
23.4	p		2348	482	1756	—	2051	155	
23.6	p		2372	638	1342	—	2004	154	
	f		2360	1294	1350	1333	1912	153	
23.8	f		2380	500	1581	1573	2019	159	
24.0	p		2395	681	1719	—	1995	161	
	p		2408	719	1672	—	1992	160	
	f		2402	1027	1272	1270	1954	160	
24.2	f		2431	509	1529	1529	2018	162	
24.6	f		2470	1188	1340	1313	1937	163	
24.8	p		2479	440	500	—	2032	160	
	p		2480	1082	1693	—	1941	161	
25.0	f		2502	1256	1657	1651	1929	162	
	p		2518	1086	1158	—	1909	161	
25.4	p		2550	780	850	—	1951	161	
	p		2550	952	1249	—	1949	161	
25.8	f		2583	941	240	240	1851	155	
26.0	f		2603	653	1521	1520	1967	161	
26.2	f		2622	617	1523	1549	1955	160	
		10	2001	902	390	—	1951	159	
Slate		1	1908	551	624	—	2023	160	
finished		2	—	—	820	—	1927	159	
		3	—	—	1002	—	1908	157	
		4	—	—	1040	—	2019	159	
		5	—	—	1290	—	1947	160	
		6	—	—	1575	—	1981	160	
		7	—	—	1649	—	1990	158	
		8	—	—	1811	—	1950	160	

520

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1929phae.proj.1267C

Cl.-Dk	Deff.-Dk.	Deff.-Dk.	Reduced	Reduced	Mags	L. No.
1772	1070	1070	603	603	6.41, 6.41	
1853	1201	—	648	—	6.56	625 v
1868	1481	—	793	—	7.24	642 v
1816	1303	1292	716	711	6.86, 6.84	
1896	1601	—	846	—	7.56	679 v
1850	1188	—	641	—	6.53	606 v
1759	1197	1180	681	672	6.71, 6.67	
1860	1422	1414	765	761	7.09, 7.07	
1834	1558	—	849	—	7.58	587 v
1832	1572	—	825	—	7.44	570 v
1794	1112	1110	620	618	6.45, 6.44	
1858	1367	1367	737	737	6.96, 6.96	
1774	1177	1150	663	648	6.63, 6.57	
1872	340	—	182	—	3.67	660 x
1780	1532	—	861	—	7.67	420 x
1767	1495	1489	847	842	7.57, 7.54	
1748	997	—	571	—	6.37	426 x
1790	689	—	385	—	5.35	536 x
1788	1086	—	608	—	6.42	474 x
1696	85	85	50	50	off curve, off curve	
1806	1360	1359	753	752	7.03, 7.02	
1795	1363	1389	760	773	7.06, 7.13	
1792	231	—	129	—		
1863	464	—	249	—		
1768	661	—	374	—		
1801	845	—	469	—		
1860	881	—	474	—		
1787	1130	—	632	—		
1821	1415	—	776	—		
1832	1491	—	814	—		
1790	1711	—	956	—		

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1929phae.proj.127C

New Series

FMC Aug. 3, 1929 RH 70 X 6

This Plate already measured

Strip	Class	Star	y	x	Defl.	Defl.'	Cl.	Db.
		1S	1930	757	115	—	1883	110
		1	2260	608	180	—	1825	108
		2	—	—	300	—	1842	110
		3	—	—	503	—	1858	110
		4	—	—	601	—	1865	110
		5	—	—	615	—	1880	110
		6	—	—	1050	—	1930	110
		7	—	—	1190	—	1939	111
		8	—	—	1600	—	1880	112
14.0			1406.	850	1320	—	1931	112
			1406	880	1389	1391	1930	113
			1408	943	629	—	1925	112
14.4			1439	655	1540	—	1900	115
			1455	902	120	120	1930	111
			1449	929	301	—	1939	111
14.6			1466	790	1522	1545	1918	120
15.0			1509	1025	748	742	1921	120
			1500	1030	250	260	1910	115
15.2			1531	519	1292	1298	1889	120
			1529	789	680	—	1901	120
			1522	1080	1032	—	1952	120
			1530	1181	530	532	1965	120
15.4			1551	971	950	950	1945	120
15.6			1578	405	1070	1045	1875	120
			1568	965	1415	—	1935	121
		1S	1930	757	130	—	1890	121
		1	2260	608	210	—	1890	121
		2	—	—	369	—	1860	120
		3	—	—	421	—	1880	120
		4	—	—	519	—	1885	120

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α.-dk.	δ.-dk.	Dfl.-dk.	Reduced	Reduced	Magn.	L. Ks.

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1929phae.proj.1267C

68

new Series

Strip	Class	Star	y	x	Diff.	Diff.	Cl.	Dk	Volts
		5	—	—	648	—	1892	120	
		6	—	—	1050	—	1949	122	
		7	—	—	1260	—	1942	123	
		8	—	—	1710	—	1905	122	

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1929phae.proj.1267C

Cl.-Dk Decl.-Dk. Decl.-Dk, Reduced Reduced Magn. D. No.

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1929phae.proj.1267C

70 New Series

Dyp- RH684- Aug 7, 1929
Sequence numbers upside down.

Strip	Class	Star	y	x	Deff.	Deff	cl.	Dk.	Volts.
		1s	2090	1000	170	—	1893	155	520
		1	1728	967	237	—	1972	154	
		2	—	—	322	—	2010	155	
		3	—	—	448	—	2019	159	
		4	—	—	530	—	1998	157	
		5	—	—	778	—	1991	156	
		6	—	—	1080	—	1921	159	
		7	—	—	1290	—	1931	160	
		8	—	—	1652	—	2004	162	
14.4	f	1	1438	830	1470	1441	1978	163	
14.8	p	1	1481	793	1183	—	1971	164	
	p	2	1483	1025	1611	—	1998	168	
15.0	p	3	1501	718	1393	—	1980	169	
	f	2	1512	479	1334	1320	1983	169	
	f	3	1496	1083	1544	1522	1979	169	
15.2	f	4	1538	897	1000	1002	1940	169	
	p	4	1520	1158	968	—	1980	170	
15.6	f	5'	1566	541	1563	1580	1920	170	
	f	6	1560	558	1319	1350	1912	171	
	p	5	1559	660	1591	—	1959	171	
	f	7	1560	722	1428	1402	1971	172	
	p	6	1559	1043	1341	—	1955	172	
15.8	f	8	1590	916	1155	1200	1967	172	
	p	8'	1580	1231	1434	1454	1939	177	
16.0	f	9	1611	660	1615	1633	1992	179	
16.2	f	10	1620	632	1540	1530	1959	178	
	p	9	1622	722	1509	—	1962	175	
16.4	f	11	1640	602	1224	1240	1948	178	
	f	12	1641	611	770	793	1938	171	
	p	7	1651	762	1090	—	1973	173	

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1929phae.proj.1267C

Obs.-Ck.	Defl.-Ck.	Defl.-Ck.	Reduced	Reduced	Magn.	Ly. No.
1738	16	—	9	—		
1818	83	—	46	—		
1855	167	—	90	—		
1860	289	—	155	—		
1841	376	—	204	—		
1835	622	—	339	—		
1762	921	—	524	—		
1771	1130	—	638	—		
1842	1490	—	808	—		
1815	1307	1278	720	703	7.93, 7.86	
1807	1019	—	564	—	7.33	844
1830	1443	—	789	—	8.20	3a
1811	1164	—	643	—	7.63	889
1814	1168	1151	642	634	7.62, 7.59	
1810	1375	1353	760	749	8.07, 8.04	
1771	831	833	469	470	6.96, 6.97	
1810	798	—	441	—	6.86	960
1750	1393	1410	796	806	8.23, 8.27	
1741	1148	1179	659	676	7.68, 7.75	
1788	1420	—	793	—	8.22	k
1799	1256	1230	647	684	7.64, 7.80	
1783	1169	—	655	—	7.67	926
1775	983	1028	553	572	7.28, 7.35	
1762	1257	1277	713	725	7.90, 7.94	
1813	1436	1454	792	803	8.21, 8.25	
1786	1361	1357	765	760	8.10, 8.07	
1788	1334	—	747	—	8.04	790
1775	1051	1067	583	601	7.33, 7.46	
1767	594	622	339	353	6.47, 6.53	
1800	917	—	510	—	7.14	805

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1929phae.proj.127C

72 New Series

Dgp – R Y 684 – Aug 7, 1929

Strip	Class	Star	y	x	Defl.	Defl.	Cl.	Dkg	Volt
	f	13	1650	964	970	999	1950	182	
	p	11	1643	988	1433	—	1967	172	
	f	14	1640	1154	1628	1633	1980	179	
	f	15	1642	1213	359	361	1975	172	
	p	11	1640	1220	1615	—	1988	174	
16.6	f	16	1670	548	1470	1529	1967	179	
	f	17	1664	564	1103	1141	1920	178	
	f	18	1669	906	1330	1338	1952	180	
	p	12	1660	1261	958	—	2003	179	
	p	13	1668	1289	1323	—	1987	180	
16.8	f	19	1680	982	1548	1548	1979	181	
	f	20	1682	1249	640	642	1981	178	
17.0	p	14	1703	1250	1410	—	2020	180	
17.4	p	15	1740	1022	1543	—	1949	182	
17.6	f	21	1767	989	488	489	1932	180	
	p	16	1763	712	1572	—	1930	181	
	f	22	1758	893	441	450	1952	179	
	p	17	1757	1398	1597	—	2010	181	
17.8	f	23	1791	959	509	509	1918	180	
	f	24	1792	413	1191	1210	1998	181	
	f	25	1792	602	1339	1347	1972	180	
	f	26	1780	1089	1290	1310	1828	181	
	f	27	1775	1311	363	378	1992	177	
	f	28	1795	1355	1398	1377	1999	181	
18.0	p	18	1811	529	1485	—	1952	181	
	f	19	1808	641	1400	—	1929	181	
	f	29	1802	1243	899	904	2011	181	
	f	30	1808	1320	1631	1628	2019	182	
	p		2090	1001	202	—	1950	183	
		1	1728	967	280	—	1967	183	
		2	—	—	349	—	1989	182	

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1929phae.proj.1267c

Cl. Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	D. No.
1778	798	827	450	465	6.90, 6.95	
1785	1261	—	703	—	7.85	
1801	1449	1464	803	807	8.26, 8.27	
1808	187	189	104	105	5.37, 5.38	
1814	1441	—	794	—	8.22	
1788	1291	1350	722	755	793, 8.05	
1742	925	963	532	552	7.21, 7.28	
1772	1150	1158	648	657	7.64, 7.67	
1834	779	—	426	—	6.80	1030 r
1807	1153	—	639	—	7.61	1049 r
1798	1367	1367	761	761	8.08, 8.08	
1803	462	464	256	257	6.12, 6.13	
1840	1230	—	668	—	7.72	1044 r
1767	1361	—	741	—	8.12	948
1752	308	309	176	177	5.82, 5.83	
1749	1391	—	797	—	8.24	748
1773	262	271	148	153	5.68, 5.71	
1829	1416	—	774	—	8.14	1110 r
1738	329	329	184	184	5.85, 5.85	
1757	1010	1029	575	585	7.36, 7.41	
1762	1149	1167	652	663	7.67, 7.71	
1647	1109	1129	673	685	7.74, 7.79	
1815	186	201	102	111	5.34, 5.44	
1818	1217	1196	667	657	7.73, 7.68	
1771	1304	—	737	—	7.99	679
1748	1219	—	697	—	7.84	
1830	718	723	393	396	6.67, 6.69	
1827	1448	1446	792	791	8.21, 8.20	
1767	19	—	11	—		
1784	97	—	54	—		
1807	167		93	—		

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1929phae.proj.127C

74 New Series

HJP - RH684 - Aug 7, 1929

Strip	Class	Star	y	x	Defl.	Defl.	Cl.	Dk.	volts
		3			481	—	1987	182	
		4	—	—	561	—	1989	181	
		5	—	—	771	—	1977	182	
		6	—	—	1074	—	1893	182	
		7	—	—	1263	—	1919	181	
		8	—	—	1630	—	1982	183	520
HJP Aug 8, 1929 RH684		15	2090	979	130	—	1869	119	500
		1	1728	941	220	—	1860	120	
		2	—	—	260	—	1902	121	
		3	—	—	412	—	1902	122	
		4	—	—	479	—	1880	121	
		5	—	—	689	—	1890	122	
		6	—	—	1009	—	1819	122	
		7	—	—	1170	—	1850	122	
		8	—	—	1590	—	1871	129	
18.2	b	20	1819	369	320	—	1805	127	
		31	1818	660	1620	1645	1870	129	
		32	1819	1045	1358	1418	1829	130	
		33	1820	1071	845	810	1870	132	
18.4		21	1850	380	1451	—	1855	135	
		22	1848	765	1568	—	1880	132	
		34	1839	1109	1070	1060	1890	131	
18.6		35	1868	551	779	785	1810	130	
		36	1860	619	830	833	1863	131	
		(omit, outside circle)	1878	1541	1349	1353	1841	140	
18.8		37	1888	840	593	590	1828	140	
		38	1881	490	1220	1230	1842	140	
		23	1890	586	1540	—	1851	140	
		24	1880	880	1260	1251	1830	141	
		24	1879	1150	1241	—	1830	141	

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1929phae.proj.1267C

Cl.-Dk.	Defl.-Dk	Defl.-Dk.	Reduced	Reduced	Magns.	L. No.
1805	299	—	166	—		
1808	380	—	210	—		
1795	589	—	328	—		
1711	892	—	522	—		
1738	1082	—	621	—		
1799	1447	—	805	—		
1750	11	—	06	—		
1740	100	—	57	—		
1781	134	—	78	—		
1780	290	—	163	—		
1759	358	—	203	—		
1768	567	—	321	—		
1747	887	—	524	—		
1728	1048	—	606	—		
1742	1461	—	840	—		
1678	193	—	115	—	5.46	660 x
1741	1491	1516	856	870	8.48, 8.56	
1699	1228	1288	722	772	7.84, 7.84	
1738	713	678	411	391	6.71, 6.64	
1720	1316	—	765	—	8.04	647 x?
1748	1436	—	820	—	8.31	765 v
1759	939	929	534	527	7.14, 7.10	
1680	649	655	386	396	6.63, 6.65	
1732	694	702	403	404	6.69, 6.70	
1701						
1688	458	458	268	266	6.18, 6.17	
1702	1080	1096	634	640	7.44, 7.46	
1711	1406	—	818	—	8.31	664 x
1689	1119	1110	663	657	7.55, 7.53	
1689	1100	—	652	—	7.51	1109 v

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1929phae.proj.1267C

76 New Series FMC Aug 8, 1929 R ~~H~~ 684 864?

strip	class	star	α	ν	Defl.	Defl	Cl.	Dk.	volts
18.8	p	35	1895	1415	1210	—	1850	140	
19.0	f	40	1900	510	1340	1362	1861	145	
	f	41	1900	521	1232	1270	1865	148	
19.2	p	26	1920	560	1300	—	1830	140	
	p	27	1938	1.260	1332	—	1830	141	
	f	28	1931	1271	372	—	1890	142	
	f	29	1921	1370	1589	—	1871	148	
		15	2090	979	170	—	1890	150	
		1	1728	941	245	—	1872	147	
		2	—	—	310	—	1895	147	
		3	—	—	458	—	1909	145	
		4	—	—	535	—	1872	142	
		5	—	—	740	—	1908	150	
		6	—	—	1050	—	1850	150	
		7	—	—	1239	—	1860	150	
	68f	8	—	—	1568	—	1900	150	5.00

Hyp-RH 684 864-Aug ? 10, 1929 Continued in Book 68 Page 102 " from Bk 68, P. 10

	1A	2090	1010	042	/	1763	041	521
	1	1728	973	080	/	1779	040	
	2	—	—	147	/	1800	040	
	3	—	—	247	/	1840	040	
	4	—	—	310	/	1810	040	
	5	—	—	513	/	1828	040	
	6	—	—	808	/	1738	041	
	7	—	—	1030	/	1780	041	
	8	—	—	1499	/	1818	042	
24.4	p	71	2437	590	498	—	1804	043
	p	72	2437	930	524	—	1788	042
	p	73	2440	1051	700	—	1791	041

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1929phae.proj.1267C

Cl.-Dk.	Decl.-Dk.	Decl.-Dk.	Reduced	Reduced	Magn.	Links
1710	1070	—	626	—	7.41	
1716	1195	1217	698	710	7.72, 7.78	
1717	1084	1122	633	655	7.45, 7.53	
1690	1160	—	686	—	7.67	642 ✓
1689	1191	—	707	—	7.75	1166 ✓
1748	230	—	132	—	5.59	sequence star no. 2
1673	1441	—	861	—	8.52	1176
1740	20	—	14	—		
1725	98	—	57	—		
1748	163	—	93	—		
1764	313	—	177	—		
1730	393	—	227	—		
1758	590	—	336	—		
1706	906	—	530	—		
1710	1084	—	636	—		
1750	1418	—	811	—		
1722	01	—	01	—		
1739	40	—	23	—		
1766	107	—	61	—		
1866	207	—	115	—		
1770	270	—	153	—		
1788	478	—	265	—		
1677	767	—	453	—		
1739	989	—	569	—		
1776	1457	—	817	—		
1761	463	—	258	—	6.47	426 ✓
1746	482	—	276	—	6.54	294 ✓
1756	659	—	376	—	6.86	240 ✓

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1929phae.proj.1267C

78 New Series

AGP-R #684 — Aug 10, 1929

Strip	Class	Star	y	x	Defl.	Defl.	Cl.	Dk.	Volts
	p	74	2452	1183	452	—	1790	040	
		102	2450	1329	1094	1082	1789	043	
24.6		103	2459	640	948	963	1681	047	
		104	2469	850	1316	1342	1761	049	
		105	2468	931	1331	1319	1667	047	
		106	2461	970	1070	1020	1804	047	
	p	75	2464	1341	1292	—	1767	050	
24.8		107	2482	450	440	433	1747	047	
		108	2490	820	1250	1233	1787	049	
	p	76	2478	892	1070	—	1768	050	
		109	2490	1311	400	411	1764	047	
25.0	p	77	2509	1010	1180	—	1782	051	
25.2		110	2520	590	1250	1262	1800	051	
		111	2518	1157	1331	1341	1800	050	
		112	2530	1201	678	678	1650	048	
		113	2531	1229	930	940	1780	050	
25.6		114	2540	549	1557	1430	1763	051	
		115	2558	928	1110	1090	1730	050	
25.8		116	2579	662	1232	1213	1762	051	
	p	78	2580	1055	1401	—	1769	052	
	p	79	2592	1101	163	—	1720	050	
	p	80	2590	1190	1049	—	1779	051	
		117	2595	1198	1011	1028	1781	050	
	p	81	2593	1223	1248	—	1781	050	
26.0		118	2600	708	831	780	1702	050	
	p	82	2602	991	768	—	1721	050	
26.4		119	2640	919	092	084	1739	049	
		126	2649	979	1401	1358	1760	051	
	p	83	2651	1037	1501	—	1787	051	
26.6	p	84	2661	1031	1123	—	1750	051	

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Cl. Dk.	Defl. - Dk.	Defl. - Dk.	Reduced	Reduced	Magn.	L. No.
1750	412	—	235	—	6.37	183 ×
1746	1051	1039	603	595	7.54, 7.51	
1634	901	916	551	560	7.37, 7.40	
1712	1267	1293	739	755	8.06, 8.14	
1620	1284	1272	792	785	8.28, 8.25	
1757	1023	973	683	646	7.46, 7.36	
1717	1242	—	724	—	8.02	135 ×
1700	393	386	231	227	6.35, 6.33	
1738	1201	1184	680	681	7.87, 7.84	
1718	1026	—	594	—	7.50	29 ×
1717	353	364	205	212	6.23, 6.27	
1731	1129	—	650	—	7.73	264 ×
1749	1199	1211	685	693	7.86, 7.89	
1750	1281	1291	732	738	8.04, 8.06	
1602	630	630	393	393	6.93, 6.93	
1736	880	890	509	674	7.24, 7.27	
1712	1506	1379	817	805	motion, 8.34	
1680	1060	940	632	539	7.65, 7.39	
1711	1181	1162	690	679	7.88, 7.84	
1717	1349	—	785	—	8.25	225 ×
1670	113	—	68	—	5.30	239 ×
1725	998	—	576	—	7.43	206 ×
1731	961	978	535	585	7.38, 7.41	
1731	1198	—	691	—	7.89	
1652	781	730	444	443	7.14, 7.05	
1671	718	—	429	—	7.01	297 ×
1690	43	35	25	21	4.46, 4.41	
1709	1358	1307	791	765	8.28, 8.18	
1736	1450	—	835	—	(curve not drawn as far)	
1699	1072	—	632	—	7.65	

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1929phae.proj.1267C

80 New Series

AGP - R # 684 — Aug 10, 1929

Strip	class	star	x	y	Deff.	Deff.	Cl.	Dk	volts
		121	2679	9221	290	317	1746	050	
		15	2090	1010	058	—	1721	051	
		1	1728	973	091	—	1740	051	
		2	—	—	160	—	1790	051	
		3	—	—	263	—	1790	052	
		4	—	—	320	—	1801	052	
		5	—	—	520	—	1800	052	
		6	—	—	860	—	1721	052	
		7	—	—	1009	—	1748	052	
		8	—	—	1450	—	1809	054	520

Plate Finished

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Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	D.Ks
1696	240	267	142	158	5.93, 5.99	
1676	07	—	04	—		
1689	40	—	24	—		
1739	109	—	63	—		
1738	211	—	122	—		
1749	268	—	158	—		
1748	468	—	268	—		
1669	808	—	485	—		
1696	957	—	564	—		
1765	1396	—	794	—		

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1929phae.proj.127C

82 Neu Series

FMC RH 1402 Aug. 12, 1929

Strip	class	star	y	x	Defl.	Defl.	Cl.	Dk.	volts
		IS	2131	731	113	—	1540	000	
		1	1990	1068	160	—	1520	002	
		2	—	—	310	—	1550	001	
		3	—	—	501	—	1538	002	
		4	—	—	520	—	1538	002	
		5	—	—	860	—	1510	002	
		6	—	—	1152	—	1532	002	
		7	—	—	1192	—	1510	005	
		8	—	—	cannot find star.				
14.0	b	1	1403	682	~~1212~~ 1205	1182	1512	010	
	b	2	1401	802	500	440	1518	010	
14.4	b	1	1450	511	1275	—	1499	010	
	b	2	1439	958	1040	—	1510	010	
14.6	b	3	1460	770	955	791	1505	011	
	b	3	1470	800	211	—	1490	010	
	b	4	1470	812	1305	1142	1530	010	
	b	4	1477	897	1420	—	1487	010	
	b	5	1469	923	1370	1220	1519	011	
	b	6	1479	930	290	260	1490	011	
14.8	b	7	1489	668	402	358	1500	010	
	b	8	1481	820	905	819	1511	010	
15.0	b	5	1505	431	1458	—	1509	020	
	b	6	1501	591	1461	—	1500	019	
	b	9	1509	810	1388	1048	1540	020	
15.2	b	7	1526	870	1388	—	1490	020	
15.4	b	10	1521	1120	1448	1340	1500	021	
15.6	b	11	1565	898	1219	1082	1530	020	
		IS	2131	731	145	—	1545	020	
		1	1990	1068	190	—	1510	020	
		2	—	—	329	—	1563	020	

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1929phae.proj.1267c

Cl.-Dk.	Defl.-Dk.	Defl.-Dk	Reduced	Reduced	Magn.	L. No.
1540	113	—	73	—		
1518	158	—	105	—		
1549	309	—	200	—		
1536	499	—	325	—		
1536	518	—	338	—		
1508	858	—	570	—		
1530	1150	—	752	—		
1505	1187	—	789	—		
		(cannot find the star)				
1502	1195	1152	797	768	7.36, 7.23	
1508	490	430	326	286	5.76, 5.62	
1489	1265	—	851	—	7.59	
1500	1030	—	687	—	6.93	667 ?×
1494	944	780	632	523	6.71, 6.36	
1480	201	—	352	—	5.85	660×
1520	1295	1132	853	680	7.60, 6.89	
1477	1410	—	956	—	8.07	683×
1508	1354	1209	901	802	7.84, 7.37	
1479	279	249	189	169	5.17, 5.02	
1490	392	348	267	234	5.56, 5.43	
1501	895	809	597	538	6.57, 6.40	
1489	1438	—	965	—	(not on curve)	
1481	1442	—	974	—	(not on curve)	
1520	1368	1028	900	675	7.84, 6.87	~~681~~
1470	1368	—	930	—	(not on curve)	681×
1479	1427	1319	965	892	off curve, 7.78	
1510	1199	1062	794	704	7.84, 6.98	
1525	125	—	82	—		
1490	170	—	114	—		
1543	309	—	201	—		

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1929phae.proj.127C

84 New Series

FMC RH 1402 Aug 12, 1929

Trip	Class	Star	y	x	Defl.	Defl.	Cl.	Dk.	volts
		3	—	—	542	—	1548	018	
		4	—	—	608	—	1540	019	
Continued in Book 68, Page 110		5	—	—	855	—	1529	020	
		6	—	—	1135	—	1530	020	
		7	—	—	1262	—	1520	020	
		8	—	—	Cannot see star				
FMC Aug. 13, 1929		15	2131	779	023	—	1485	-000	5.01
From Book 68, Page 112		1	1990	1110	100	—	1495	-000	
		2	—	—	230	—	1500	-000	
		3	—	—	418	—	1490	-000	
		4	—	—	470	—	1460	-000	
		5	—	—	770	—	1463	-000	
		6	—	—	1041	—	1460	-000	
		7	—	—	1189	—	1455	-000	
		8	—	—	Cannot see star				
17.4		23	1742	290	1069	961	1477	-000	
		20	1750	782	780	—	1480	-000	
		21	1750	991	1345	—	1449	-000	
		24	1758	1010	449	382	1478	-000	
		25	1741	1019	1179	1090	1475	-000	
		26	1751	1133	1299	1300	1459	-000	
		22	1752	1290	1010	—	1483	-000	
17.6		23	1775	1120	878	—	1490	-000	
		27	1761	1350	485	440	1489	-000	
17.8		28	1782	823	740	721	1500	-000	
		29	1790	1378	1238	1111	1465	-000	
18.0		24	1801	769	1291	—	1513	001	
		30	1802	809	1050	1021	1508	001	
18.2		25	1839	318	858	—	1481	000	
		31	1835	390	682	669	1475	000	

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1929phae.proj.1267c

Cl-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	W. No.
1530	524	—	343	—		
1521	584	—	387	—		
1509	835	—	554	—		
1510	1115	—	738	—		
1500	1242	—	828	—		
		(cannot find the star)				
1485	23	—	16	—		
1445	100	—	76	—		
1520	230	—	151	—		
1490	418	—	281	—		
1460	470	—	322	—		
1463	770	—	527	—		
1460	1041	—	714	—		
1455	1189	—	817	—		
		(cannot see star)				
1477	1069	961	723	651	7.14, 6.93	
1480	780	—	527	—	6.51	625 ✓
1449	1345	—	930	—	not on curve	748 ✓
1478	449	382	303	258	6.84, 5.67	
1475	1179	1090	808	739	7.41, 7.20	
1469	1299	1300	891	892	off curve, off curve	
1483	1010	—	682	—	7.00	844 ✗
1490	878	—	589	—	6.71	805 ✓
1489	485	440	326	296	5.88, 5.82	
1500	740	721	494	483	6.43, 6.39	
1465	1234	1111	845	760	off curve, 7.26	
1512	1290	—	853	—	not on curve	601 ✓
1507	1049	1030	694	675	7.04, 6.97	
1481	858	—	580	—	6.18	426 ✗
1475	682	669	464	453	6.33, 6.30	

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1929phae.proj.127C

86 New Series

FMC Aug. 12, 1929 R H 1402

MRD

Strip	Class	Star	y	x	Diff.	Diff.	Cl.	Dk. volts
18.2	f	32	1820	398	1102	1018	1480	000
	f	33	1831	1120	1058	1008	1489	000
18.4	f	34	1839	699	950	840	1472	002
	f	35	1840	1360	781	729	1498	005
18.6	f	26	1861	340	1240	—	1460	008
	f	36	1860	450	1200	1143	1510	002
	f	37	1870	482	1070	1050	1500	005
	f	38	1868	610	1270	1241	1502	007
	f	27	1865	790	750	—	1515	008
18.8	f	39	1890	365	1261	1198	1498	010
19.0	f	40	1902	431	1070	980	1475	005
	f	41	1900	1089	1133	1109	1495	010
19.4	f	42	1951	300	872	855	1470	010
	f	43	1947	531	912	790	1498	010
	f	44	1945	875	1378	1281	1503	010
	f	45	1940	1152	1200	1255	1478	010
MRD 19.8	f	46	1985	263	1100	1040	1462	005
	f	47	1990	299	1150	1110	1469	001
	f	28	1997	549	817	—	1477	003
	f	48	1979	1030	875	775	1500	008
	f	49	1990	1100	1280	1230	1495	003
20.0	f	50	1998	590	970	905	1460	010
	f	51	1996	1010	1290	1220	1505	010
	f	52	2000	1011	1060	1025	1510	020
		1S	2131	779	060	—	1473	010
		1	1990	1110	140	—	1490	015
		2	—	—	280	—	1510	014
		3	—	—	440	—	1505	010
		4	—	—	495	—	1470	015
		5	—	—	760	—	1450	015

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1929phae.proj.1267c

Cl.-Dk.	Defl.-Dk.	Defl-Dk.	Reduced	Reduced	Magn.	R. No.
1480	1102	1018	745	688	7.22, 7.02	
1489	1058	1008	711	678	7.11, 6.99	
1470	948	838	646	570	6.90, 6.66	
1493	776	724	520	485	6.49, 6.40	
1462	1232	—	849	—	not on curve	420
1508	1198	1141	795	757	7.38, 7.26	
1495	1065	1040	713	694	7.12, 7.05	
1495	1263	1234	845	826	off curve, off curve	
1507	742	—	493	—	6.43	627
1488	1251	1188	842	800	off curve, off curve	
1470	1065	975	725	663	7.10, 6.94	
1486	1122	1099	757	740	7.26, 7.20	
1460	862	845	590	578	6.72, 6.68	
1488	902	780	607	524	6.77, 6.51	
1493	1368	1271	916	852	off curve, off curve	
1468	1190	1245	811	849	off curve, off curve	
1457	1095	1035	753	712	7.24, 7.12	
1468	1149	1109	784	756	7.35, 7.26	
1474	814	—	561	—	6.59	376
1492	867	767	581	514	6.69, 6.47	
1492	1217	1227	853	822	off curve, off curve	
1468	960	895	662	617	6.94, 6.80	
1495	1280	1210	856	810	off curve, off curve	
1490	1040	1015	698	682	7.06, 7.00	
1463	50	—	34	—	8.15	
1475	125	—	85	—		
1496	266	—	178	—		
1495	430	—	288	—		
1455	480	—	330	—		
1435	745	—	520	—		

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1929phae.proj.127C

88 new Series

MRD RH 1402, Aug 13, 1929

Strip	Class	Star	y	x	Defe	Defe	Q	Dk	
		6	—	—	1060	—	1480	020	
		7	—	—	1120	—	1455	020	
		8	—	—	cannot find star				
	Opp.		RH 1402 -		Aug 13, 1929				
		10	2131	448	042	—	1530	0 -	515
		1	1990	1080	120	—	1544	0 -	
		2	—	—	290	—	1560	0 -	
		3	—	—	482	—	1541	0	
		4	—	—	493	—	1533	0	
		5	—	—	790	—	1498	001	
		6	—	—	1089	—	1546	001	
		7	—	—	1116	—	1510	001	
		8	—	—	1504	—	1531	006	
20.2	ℓ	63	2093	487	860	790	1549	003	
	ℓ	64	2033	517	1030	960	1541	007	
21.4	p	29	2050	479	1349	—	1521	010	
	p	30	2047	862	1348	—	1543	011	
20.6	ℓ	65	2060	495	493	441	1563	011	
	ℓ	66	2068	578	1279	1203	1512	011	
	ℓ	67	2063	680	770	730	1550	011	
	ℓ	68	2070	953	999	908	1559	011	
20.8	ℓ	69	2090	816	1417	1402	1536	018	
	ℓ	60	2090	869	1351	1331	1530	017	
	ℓ	61	2084	919	1289	1226	1540	017	
21.0	ℓ	62	2117	222	1107	1059	1530	018	
	ℓ	63	2111	270	1300	1226	1527	018	
	ℓ	64	2102	749	680	613	1544	019	
	ℓ	65	2108	1178	310	343	1551	011	
	ℓ	66	2103	1191	483	481	1529	012	
	p	30a	2100	1339	907	—	1535	013	

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1929phae.proj.127C

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1460	1040	—	713	—		
1435	1100	—	768	—		
—	(Correct field star)					
1530	42	—	27	—		
1544	120	—	78	—		
1560	290	—	186	—		
1541	482	—	310	—		
1533	493	—	323	—		
1497	789	—	527	—		
1545	1088	—	705	—		
1509	1115	—	741	—		
1525	1498	—	984	—		
1546	857	787	555	520	6.57, 6.46	
1434	1023	953	715	665	7.17, 6.95	
1511	1339	—	885	—	(not on curve)	338 ν
1532	1337	—	872	—	(not on curve)	2 ν ×
1552	482	430	310	277	5.84, 5.69	
1501	1268	1192	844	794	off curve, 7.74	
1539	759	719	493	467	6.40, 6.31	
1548	988	897	638	580	6.85, 6.64	
1518	1399	1384	921	912	off curve, off curve	
1513	1334	1314	882	868	off curve, off curve	
1528	1272	1209	835	794	7.97, 7.74	
1512	1089	1031	720	693	7.21, 7.06	
1509	1282	1208	852	802	off curve, off curve	
1525	661	594	434	389	6.23, 6.07	
1540	299	332	194	216	5.30, 5.41	
1517	471	419	311	276	5.85, 5.69	
1522	894	—	587	—	6.67	960 ? ν

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1929phae.proj.127C

90 New Series

Agp - R H 1402 - Aug 13, 1929

Strip	Class	Star	ny	06	Dyll	Dyll Cl.	Alb	Notes
21.2	f	67	2127	420	805	750	1533	015
	f	68	2129	976	1283	1260	1556	019
21.4	p	31	2139	343	1299	—	1512	020
	f	69	2153	1129	1068	1031	1538	020
	f	70	2145	1223	828	736	1508	018
21.6	f	71	2160	184	540	501	1510	018
	f	72	2160	820	922	840	1518	019
	p	32	2160	408	930	—	1537	019
	p	33	2173	421	1010	—	1380	020
21.8	f	73	2192	567	1393	1352	1520	021
22.0	p	34	2211	237	1117	—	1529	021
	p	35	2213	889	1207	—	1570	022
	f	74	2193	1158	1341	1288	1557	021
22.2	f	75	2231	400	1098	1041	1519	021
	f	76	2226	992	1250	1161	1557	022
	p	36	2232	1010	1279	—	1514	021
	f	77	2230	1168	1161	1120	1512	022
	f	78	2217	1249	1081	1081	1537	022
22.4	p	37	2257	531	700	—	1553	022
	f	79	2238	548	1043	960	1550	022
	p	38	2232	1000	1293	—	1543	023
	p	39	2252	1190	1279	—	1517	024
	p	40	2251	1237	932	—	1501	023
22.6	p	41	2260	349	1340	—	1518	023
	f	80	2268	924	999	917	1510	023
	f	81	2260	929	1070	953	1580	022
22.8	p	42	2279	426	1072	—	1531	027
	f	82	2297	829	942	871	1561	023
	f	83	2289	890	171	157	1528	021
	f	84	2290	967	1370	1341	1569	023

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1929phae.proj.1267c

Cl.-Dk.	Diff-Dk.	Diff-Dk.	Reduced	Reduced	Magn. L.Ko.	
1518	790	735	522	484	6.47, 6.36	
1537	1264	1241	823	807	7.95, 7.85	
1492	1279	—	856	—	(not on curve)	2a ✗
1518	1048	1011	691	667	7.05, 6.95	
1490	716	718	477	482	6.34, 6.36	
1492	522	483	350	324	5.97, 5.87	
1499	903	821	603	549	6.73, 6.54	
1518	911	—	601	—	6.72	294 ? ✓
1360	990	—	727	—	7.26	279 ✓
1499	1372	1331	917	890	off curve, off curve	
1508	1096	—	728	—	7.26	297 ✗
1548	1185	—	765	—	7.50	1171 ✓
1536	1320	1267	865	824	off curve, off curve	
1498	1077	1020	720	681	7.20, 7.01	
1535	1228	1139	801	741	7.77, 7.34	
1520	1252	—	825	—	7.96	1109 ? ✓
1490	1139	1098	766	737	7.50, 7.30	
1516	1069	1059	699	699	7.08, 7.08	
1531	678	—	442	—	6.25	2.05 ✓
1528	1021	938	669	621	6.96, 6.79	
1520	1210	—	796	—	7.75	1109 ✓
1493	1255	—	840	—	(not on curve)	1044 ✗
1478	909	—	616	—	6.77	1030 ✗
1495	1317	—	881	—	(not on curve)	264 ✗
1487	976	894	656	610	6.92, 6.74	
1558	1048	931	672	597	6.97, 6.70	
1504	1845	—	694	—	7.06	240 ✓
1538	919	848	597	551	6.70, 6.55	
1507	150	136	994	901	off curve, off curve	
1546	1347	1318	871	852	off curve, off curve	

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92 New Series

Dyf - RH 1402 - Aug 13, 1929

Strip	Class	Star	Y	X	Dyfl	Dyfl	Cf	Dk	Date
	p	83	2280	1239	1140	—	1527	029	
23.0	f	85	2301	967	1340	1330	1550	030	
23.2	p	44	2330	784	1101	—	1551	030	
	f	86	2329	990	1370	1330	1542	030	
	f	87	2323	1093	1366	1288	1539	030	
	f	88	2332	1258	427	360	1521	024	
23.4	f	89	2348	950	938	911	1542	023	
	f	90	2344	581	1350	1314	1560	029	
	f	91	2340	630	1049	991	1520	028	
	f	92	2351	705	671	617	1547	028	
	f	93	2349	1021	1390	1482	1549	028	
		14	2131	748	080	—	1522	029	
		1	1990	1080	160	—	1510	024	
		2	—	—	319	—	1553	024	
		3	—	—	477	—	1542	022	
		4	—	—	517	—	1530	023	
		5	—	—	811	—	1521	023	
		6	—	—	1122	—	1522	027	
		7	—	—	1130	—	1501	027	
		8	—	—	1530	—	1549	029	005
		15	2131	761	069	—	1500	000	
		1	1990	1098	161	—	1490	000	
		2	—	—	310	—	1520	000	
		3	—	—	509	—	1500	000	
		4	—	—	523	—	1500	000	
		5	—	—	821	—	1480	000	
		6	—	—	1070	—	1481	002	
		7	—	—	1122	—	1482	002	
		8	—	—	1425	—	1480	002	
23.6	f	45	2370	311	541	—	1495	002	

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1020phao.proj.1267C

Cl. Dk.	Defl. Dk	Defl. Dk.	Reduced	Reduced	Magn.	L. Ka.
1504	1117	—	~~743~~	—	7.34	1043 X
1520	1310	1300	862	866	off curve, off curve	
1521	1071	—	704	—	7.11	62 ✓
1512	1340	1300	886	1000	off curve, off curve	
1509	1336	1258	885	833	off curve, off curve	
1497	403	336	270	225	5.65, 5.46	
1521	915	888	602	584	6.73, 6.67	
1531	1321	1285	864	840	off curve, off curve	
1492	1021	968	685	646	7.03, 6.88	
1519	643	589	423	388	6.20, 6.08	
1521	1362	1454	896	956	off curve, off curve	
1493	51	—	34	—		
1483	133	—	90	—		
1529	295	—	193	—		
1520	455	—	299	—		
1507	494	—	328	—		
1498	788	—	525	—		
1495	1095	—	733	—		
1474	1103	—	750	—		
1520	1504	—	990	—		
1500	69	—	46	—		
1490	161	—	108	—		
1520	310	—	204	—		
1500	509	—	340	—		
1500	523	—	349	—		
1480	821	—	555	—		
1479	1068	—	722	—		
1480	1120	—	757	—		
1478	1423	—	963	—		
1493	539	—	361	—	5.86	239 X

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FMC Aug 14, 1929 RH 1402

94 New Series

trip	class	star	y	x	Dyz	Dyz'	cl	Dk volt
23.6	f	46	2371	841	918	—	1510	000
	f	94	2361	1156	1200	1160	1495	001
23.8	f	47	2389	895	939	—	1540	002
24.0	f	48	2410	470	898	—	1488	001
	f	95	2411	702	1060	990	1500	002
	f	49	2412	748	410	—	1520	002
	f	96	2412	819	1325	1262	1523	002
	f	50	2410	849	1490	—	1530	002
	f	51	2410	890	1120	—	1520	002
24.4	f	97	2450	475	1265	1258	1520	008
	f	52	2459	980	1070	—	1512	009
	f	98	2449	1109	880	815	1500	010
	f	99	2450	1120	1252	1238	1510	010
24.6	f	100	2460	920	1250	1270	1512	010
	f	101	2466	1102	330	280	1510	008
24.8	f	102	2483	850	1110	1010	1522	010
	f	103	2482	1051	740	665	1535	010
	f	104	2490	1080	1272	—	1470	010
25.0	f	105	2510	533	565	497	1509	010
	f	106	2501	925	605	535	1520	009
	f	107	2501	985	950	850	1510	010
25.2	f	108	2520	520	475	450	1520	010
25.4	f	53	2547	1018	628	—	1512	010
25.6	f	54	2567	734	995	—	1509	010
25.8	f	109	2590	838	912	870	1509	010
		15	2131	761	105	—	1510	012
		1	1990	1098	192	—	1465	011
		2	—	—	835	—	1520	013
		3	—	—	550	—	1498	013
		4	—	—	599	—	1491	012

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Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L.No.
1510	918	—	607	—	6.64	1279 ✓
1494	1194	1159	802	775	7.65, 7.47	
1538	937	—	609	—	6.63	1242 ✓
1487	897	—	603	—	6.61	183 ✓
1498	1058	988	705	660	7.06, 6.85	
1518	408	—	269	—	5.53	56 ✓
1521	1323	1260	871	827	off curve, off curve	
1528	1488	—	973	—	(not on curve)	
1518	1118	—	736	—	7.23	1251 ✓
1512	1257	1250	832	827	off curve, off curve	
1503	1061	—	706	—	6.06	1208 ✓
1490	870	805	584	541	6.55, 6.42	
1500	1242	1228	829	818	off curve, off curve	
1502	1240	1260	826	838	off curve, off curve	
1502	322	272	214	408	6.27, 5.98	
1512	1100	1000	728	662	7.18, 6.86	
1525	730	655	478	429	6.20, 6.04	
1460	1262	—	864	—	(not on curve)	1104 ✓
1499	555	487	371	325	5.88, 5.72	
1511	596	526	394	348	5.94, 5.31	
1500	940	870	627	578	6.70, 6.51	
1510	465	440	308	291	5.66, 5.62	
1502	618	—	412	—	6.01	1214 ✓
1499	985	—	658	—	6.84	51 ✓
1499	902	860	603	574	6.62, 6.51	
1498	93	—	62	—		
1454	181	—	124	—		
1507	322	—	213	—		
1486	537	—	362	—		
1479	587	—	398	—		

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1929phae.proj.1267C

96 New Series

FMC Aug 14, 1929 R.A. 1402

strip	Class	star	y	x	Dyz	Dfl	cl	Rk
		5	—	—	8/27	—	1460	012
		6	—	—	1070	—	1492	012
		7	—	—	1140	—	1480	012
		8	—	—	1410	—	1485	020

Plate finished

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1929phao.proj.1967C

Cl.-Dk.	Defl.-Dk.	Diff.-Dk.	Reduced	Reduced	Magn.	Links.
1448	815		663	—		
1480	1058		715	—		
1468	1128		770	—		
1465	1390		949	—		

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1929phae.proj.127C

98 New Series

Dpp RH 1403 — Aug 14, 1929

Strip	Class	Star	Y	X	Diff	Diff	A	Dk	Dets
		14	2140	767	0 —	—	1648	0 —	530
		1	1980	1091	055	—	1643	0 —	
		2	—	—	200	—	1623	0 —	
		3	—	—	351	—	1598	0 —	
		4	—	—	401	—	1631	0 —	
		5	—	—	697	—	1619	0 —	
		6	—	—	1051	—	1603	0 —	
		7	—	—	1170	—	1627	0 —	
		8	—	—	Cannot find				
14.0	f	1	1409	708	1141	1080	1667	0 —	
	f	2	1404	829	393	410	1610	0 —	
14.2	p	1	1431	956	869	—	1628	0 —	
14.4	f	3	1450	538	1420	1413	1669	0 —	
14.6	f	4	1461	795	827	841	1659	0 —	
	p	2	1472	801	151	—	1588	0 —	
	f	5	1472	840	1283	1240	1641	0 —	
	p	3	1471	898	1362	—	1602	0 —	
	f	6	1470	951	1281	1290	1611	0 —	
14.8	f	7	1482	570	1378	1372	1612	0	
	f	8	1490	692	238	239	1618	0 —	
	f	9	1487	847	880	865	1642	0 —	
	f	10	1480	954	213	229	1610	0 —	
15.0	p	4	1510	413	469	—	1609	0 —	
	f	11	1510	839	1091	1071	1619	0 —	
15.2	p	5	1523	871	1370	—	1671	0	
15.4	p	6	1540	411	1370	—	1598	0	
	f	12	1552	1147	1412	1410	1619	0	
15.6	f	13	1568	920	994	1029	1628	0	
15.8	p	7	1590	289	1302	—	1578	001	
16.0	f	14	1601	437	1408	1357	1557	002	5.20

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1929phae.proj.1967C

Cl.-Dk	Defl.-Dk	Defl.-Dk	Reduced	Reduced	Magn.	L. No.
1648	0	—	0	—		
1643	55	—	33	—		
1623	200	—	123	—		
1598	361	—	219	—		
1631	401	—	246	—		
1619	697	—	431	—		
1603	1057	—	656	—		
1627	1170	—	720	—		
(cannot find the star)						
1667	1141	1080	684	648	7.21, 7.08	
1610	393	410	244	255	5.85, 5.91	
1628	869	—	534	—	6.76	699 ×
1669	1420	1413	862	847	off curve, off curve	
1659	827	841	499	508	6.66, 6.69	
1588	151	—	95	—	5.03	660 ×
1641	1283	1240	782	756	7.47	
1602	1362	—	850	—	(not on curve)	683 ×
1611	1281	1290	795	800	7.65, 7.66	
1612	1378	1372	865	852	off curve, off curve	
1618	338	339	209	210	6.66, 5.66	
1642	880	866	536	527	6.76, 6.74	
1610	213	229	132	143	5.25, 5.32	
1609	469	—	291	—	6.06	
1619	1091	1071	675	663	7.17, 7.14	
1671	1370	—	820	—	7.77	681 ? ×
1598	1370	—	857	—	(not on curve)	534 ×
1613	1412	1416	875	874	off curve, off curve	
1628	994	1029	611	632	6.96, 7.04	
1577	1301	—	826	—	(not on curve)	
1555	1398	1355	898	872	off curve, off curve	

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100 New Series

3yP – R.A. 1403 – Aug 14, 1929

Strip	Class	Star	Y	X	Diff	Diff	Cl.	Dk	Volts
	P	8	1601	854	1248	—	1600	003	
	P	15	1616	1016	1178	1181	1602	0	
16.2	P	16	1630	451	1477	1530	1614	003	
	P	17	1623	760	1367	1369	1630	002	
	P	18	1611	942	1410	1391	1590	004	
	P	19	1616	1101	1104	1100	1612	007	
	P	9	1633	1140	1341	—	1609	007	
16.4	P	10	1637	318	1202	—	1569	010	
	P	11	1648	440	1330	—	1570	009	
	P	20	1652	463	1163	1142	1607	009	
	P	12	1640	499	1640	—	1547	003	
	P	13	1647	518	1390	—	1598	004	
	P	21	1639	660	910	910	1612	007	
	P	22	1643	714	1278	1201	1603	010	
	P	14	1651	870	1431	—	1601	010	
16.6	P	23	1660	942	1413	1465	1590	004	
	P	15	1670	1213	1081	—	1560	009	
16.8	P	24	1690	214	727	716	1569	006	
	P	16	1697	676	1187	—	1590	009	
	P	17	1680	720	811	—	1598	008	
	P	18	1689	775	1101	—	1598	007	
	P	25	1680	901	1220	1230	1590	010	
	P	26	1679	1100	1320	1321	1589	010	
	P	1A	2140	767	041	—	1528	010	
	P	1	1980	1091	088	—	1549	010	
		2	—	—	230	—	1550	009	
		3	—	—	370	—	1540	009	
		4	—	—	432	—	1581	010	
		5	—	—	697	—	1543	010	
		6	—	—	1032	—	1570	010	
		7	—	—	1160	—	1596	010	520
		8	—	—	Against [illegible]				

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1929phae.proj.1267c

α.-Dk.	Defl.-Dk.	Defl-Dk.	Reduced	Reduced	Magn. L.Ko.	
1597	1245	—	780	—	(not on curve)	679 ✓
1602	1178	1181	735	737	7.41, 7.42	
1611	1474	1527	916	947	off curve, off curve	
1628	1365	1307	838	803	off curve, 7.67	
1586	1406	1387	886	874	off curve, off curve	
1605	1097	1093	684	682	7.22, 7.21	
1602	1334	—	832	—	(not on curve)	k ×
1559	1192	—	765	—	(not on curve)	498 ×
1501	1321	—	880	—	(not on curve)	523 ×
1598	1154	1138	723	709	7.35, 7.30	
1574	1637	—	104	—	6.12	536 ×
1594	1386	—	869	—	(not on curve)	541 ✓
1605	903	903	563	563	6.84, 6.84	
1593	1268	1191	795	749	7.65, 7.45	
1591	1427	—	796	—	7.65	688 ✓
1586	469	461	296	291	6.06, 6.04	
1551	1672	—	692	—	7.23	809 ×
1583	721	710	462	455	6.53, 6.51	
1581	1178	—	745	—	7.44	587 ✓
1590	803	—	506	—	6.68	606 ✓
1591	1094	—	687	—	7.22	642 ✓
1580	1210	1220	766	773	7.53, 7.55	
1579	1310	1311	830	831	off curve, off curve	
1518	31	—	20	—		
1539	78	—	51	—		
1541	221	—	143	—		
1531	361	—	235	—		
1571	422	—	268	—		
1533	687	—	449	—		
1560	1022	—	665	—		
1546	1150	—	744	—		

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1929phae.proj.1267C

FMC RH 1403 Aug 15, 1929

New Series

Strip	Class	Star	y	x	Dep	Diff	cl	Dk	Volt
		15	2140	719	002	—	1620	-000	
		1	1980	1045	070	—	1611	-000	
		2	—		190	—	1610	-000	
		3	—	—	361	—	1618	-000	
		4	—	—	430	—	1609	-000	
		5	—	—	705	—	1600	-000	
		6	—	—	1150	—	1620	-000	
		7	—	—	1203	—	1640	-000	
		8	—	—	Cannot find star				
17.0	f	19	1710	590	1171	—	1635	-000	
17.2	f	27	1721	611	430	390	1650	-000	
	f	28	1725	1079	915	920	1625	-000	
	f	26	1735	1210	1081	—	1648	-000	
17.4	f	29	1750	224	1100	1075	1601	-000	
	f	21	1752	321	870	—	1600	-000	
	f	30	1740	660	1362	1362	1610	-000	
	f	22	1754	703	770	—	1620	-000	
	f	31	1745	951	1240	1160	1634	-000	
	f	32	1751	1069	1342	1340	1649	-000	
17.6	f	33	1760	945	428	440	1618	-000	
	f	23	1762	1041	980	—	1669	-000	
17.8	f	34	1789	760	810	752	1603	-000	
18.0	f	35	1809	741	1145	1090	1619	-000	
18.2	f	36	1821	120	1310	1291	1610	-000	
	f	37	1821	930	1115	1092	1632	-000	
	f	38	1835	1051	1061	1090	1650	-000	
18.4	f	39	1840	322	699	700	1545	-000	
	f	40	1840	630	945	930	1610	-000	
	f	24	1851	1170	1448	—	1635	-000	
	f	41	1840	1295	715	740	1622	-000	

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Cl.-Db.	Defl.-Dk	Defl-Db	Reduced	Reduced	Images	Pl. No.
1620	02	—	01	—		
1611	70	—	43	—		
1610	190	—	118	—		
1618	361	—	223	—		
1609	430	—	268	—		
1600	705	—	442	—		
1620	1150	—	711	—		
1640	1203	—	734	—		
(cannot find the star)						
1635	1171	—	717	—	7.31	570 ✓
1650	430	390	261	237	5.87, 5.79	
1625	915	920	564	567	6.84, 6.85	
1648	1081	—	667	—	7.14	844 ✓
1601	1100	1075	687	672	7.22, 7.19	
1600	870	—	543	—	6.77	474 ✓
1610	1362	1362	847	847	off curve, off curve	
1620	770	—	477	—	6.57	626 ✓
1634	1240	1160	758	710	off curve, 7.29	
1649	1342	1340	815	813	off curve, off curve	
1618	428	440	265	272	5.88, 5.93	
1669	980	—	587	—	6.91	805 ✓
1603	818	752	606	469	6.66, 6.54	
1619	1145	1090	708	674	7.28, 7.19	
1610	1310	1291	813	802	off curve, off curve	
1632	1115	1092	683	670	7.21, 7.17	
1650	1061	1090	644	661	7.09, 7.15	
1645	699	708	452	453	6.49, 6.50	
1610	945	930	588	577	6.91, 6.88	
1635	1448	—	885	—	(not on curve)	880 ✓
1622	715	740	442	457	6.45, 6.50	

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1929phae.proj.126MC

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7mc RH 1403 Aug. 15, 1929

MRD

New Series

Slip	Class	Star	y	x	Dyp	Dyp	cl	Dh	Volt
18.6	fo	25	1869	243	892	—	1595	-000	5.2
	f	42	1860	260	1345	1340	1600	-000	
	f	43	1867	381	1246	1220	1601	-000	
	f	44	1870	541	1370	1330	1610	-000	
18.8	fo	26	1890	270	1289	—	1605	-000	
	f	45	1891	300	1335	1330	1608	-000	
	f	46	1879	419	1080	1060	1590	-000	
19.0	f	47	1909	435	1139	1150	1629	-000	
	f	48	1902	1020	1150	1140	1621	-000	
19.4	f	49	1950	470	960	925	1611	-000	
	f	50	1950	799	1385	1425	1590	-000	
	f	51	1942	1090	1301	1262	1620	-000	
MRD 19.6	f	52	1960	233	970	930	1580	001	
	f	53	1960	235	1150	1110	1582	-000	
	f	54	1960	810	~~1310~~ 1303	1275	1606	-001	
	fo	27	1960	1130	1298	—	1590	-000	
19.8	f	55	1990	199	1155	1145	1598	005	
	f	56	1992	231	1237	1208	1590	003	
	f	57	1980	964	810	795	1583	-000	
20.0	f	58	2010	435	1375	1370	1567	-000	
	fo	28	2013	482	805	—	1585	-000	
	f	59	2000	528	1010	997	1610	-000	
	f	60	2000	947	1240	1240	1629	-002	
	f	61	2003	948	1078	1074	1570	-000	
	f	62	2003	1017	1324	1340	1600	-005	
		18	2140	719	030	—	1570	-000	
		1	1980	1045	090	—	1570	-000	
		2	—	—	205	—	1535	-000	
		3	—	—	375	—	1530	-000	
		4	—	—	460	—	1590	-005	

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Cl.-Dk	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L.K.
1595	892	—	560	—	6.83	426 x
1600	1345	1340	842	838	off curve, off curve	
1601	1246	1220	778	762	off curve, off curve	
1610	1370	1330	852	827	off curve, off curve	
1605	1289	—	803	—	(not on curve)	420 +
1608	1335	1330	832	828	off curve, off curve	
1598	1080	1060	681	667	7.22, 7.17	
1629	1139	1155	700	711	7.26, 7.30	
1621	1140	1140	709	703	7.29, 7.26	
1611	960	925	596	574	6.94, 6.87	
1590	1385	1425	872	896	off curve, off curve	
1620	1301	1262	804	780	off curve, off curve	
1579	970	930	615	589	7.05, 6.92	
1582	1150	1110	728	702	7.36, 7.26	
1605	1302	1274	812	795	off curve, off curve	
1590	1298	—	816	—	(not on curve)	
1593	1155	1145	726	719	7.35, 7.32	
1587	1237	1208	779	760	off curve, off curve	
1583	810	795	510	502	6.07, 6.04	
1587	1375	1370	878	875	off curve, off curve	
1585	805	—	508	—	6.66	376 v
1610	1016	997	628	620	7.03, 7.01	
1627	1240	1240	761	761	off curve, off curve	
1578	1078	1074	686	684	7.23, 7.22	
1595	1324	1340	832	840	off curve, off curve	
1570	30	—	19	—		
1570	90	—	57	—		
1595	205	—	134	—		
1580	375	—	245	—		
1585	455	—	287	—		

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MRD RH1403 Aug 15, 1929

Read Zones

Strip	Class	Star	y	x	Dapl	Dapl	cl	Dk	
		5	—	—	720	—	1560	-000	
		6	—	—	1010	—	1560	-000	
		7	—	—	1150	—	1570	-000	
		8	—	—	Can't find				
		Repp	RH 1403 - Aug 15, 1929						
		10	2140	719	023	—	1557	0—	521
		1	1980	1045	081	—	1547	0—	
		2	—	—	210	—	1529	0—	
		3	—	—	358	—	1529	0—	
		4	—	—	411	—	1582	0—	
		5	—	—	701	—	1553	0—	
		6	—	—	1010	—	1560	0—	
		7	—	—	1109	—	1559	0—	
		8	—	—	cannot find				
20.2	f	63	2027	797	1410	1412	1552	0—	
	f	64	2017	981	1322	1319	1597	0—	
20.4	p	29	2041	259	1417	~~15~~	1541	0—	
	f	65	2040	450	841	824	1530	0—	
	f	66	2040	480	1006	1024	1519	0—	
	f	67	2052	741	1396	1280	1560	0—	
	p	30	2047	829	1251	—	1539	0—	
	p	31	2039	1051	1360	—	1560	0—	
20.6	p	32	2070	446	1241	—	1527	0—	
	f	68	2063	460	489	520	1541	0—	
	f	69	2070	541	1258	1253	1565	0—	
	f	70	2069	647	700	681	1553	0—	
	f	71	2073	919	893	909	1587	0—	
20.8	f	72	2092	780	1411	1350	1531	0	
	f	73	2090	823	1319	1283	1578	0	

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1929phae.proj.127C

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1560	720	—	462	—		
1560	1010	—	648	—		
1570	1150	—	733	—		
	(cannot find the star)					
1557	23	—	16	—		
1547	81	—	52	—		
1529	210	—	137	—		
1529	358	—	234	—		
1582	411	—	269	—		
1563	701	—	452	—		
1560	1010	—	648	—		
1559	1109	—	712	—		
	(cannot find the star)					
1552	1410	1412	907	909	off curve, off curve	
1597	1322	1319	828	825	off curve, off curve	
1547	1417	—	915	—	(not on curve)	
1530	841	827	550	541	6.79, 6.76	
1519	1006	1024	663	676	7.17, 7.22	
1560	1336	1280	857	820	off curve, off curve	
1539	1257	—	814	—	(not on curve)	2N ×
1560	1360	—	872	—	(not on curve)	948 ✓
1527	1241	—	814	—	(not on curve)	338 ✓
1541	489	520	317	337	6.04, 6.11	
1565	1258	1253	803	801	off curve, off curve	
1553	700	681	451	439	6.46, 6.43	
1587	893	909	574	573	6.84, 6.87	
1531	1411	1350	921	881	off curve, off curve	
1576	1319	1283	835	813	off curve, off curve	

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Dyp – RH 1403 – Aug 15, 1929

New Series

Strip	Class	Star	y	x	Dyf.	Dyf	Cl	Dk	Plts
	f	74	2089	883	1231	1260	1549	0	
	f?	33	2088	1308	779	—	1552	0 –	
21.0	f	75	2109	402	1450	1410	1539	0 –	
	f	76	2103	713	601	571	1530	0 –	
	f	77	2103	763	1301	1330	1533	0 –	
	f	78	2110	1142	270	250	1539	0 –	
	f	79	2108	1157	414	370	1509	0 –	
21.2	f	outside ~~80~~ area			1180	1193	1538	0 –	
	f	81	2120	189	1130	1124	1530	0 –	
	f	82	2118	238	1301	1288	1530	0	
	f	83	2130	386	790	788	1510	0 –	
	f	84	2130	941	1221	1251	1510	0 –	
21.4	f	85	2148	1190	691	710	1529	0 –	
21.6	f	86	2166	150	660	629	1503	0 –	
	f	87	2164	284	911	913	1542	0 –	
	p	34	2163	313	1250	—	1527	0 –	
	f	88	2158	1093	950	980	1531	0 –	
21.8	p	35	2183	367	880	—	1463	0 –	
22.0	p	36	2198	397	900	—	1487	0	
	p	37	2198	430	1360	—	1530	0	
	f	89	2199	531	1348	1369	1550	0	
	p	38	2211	863	1100	—	1537	0	
22.2	f	90	2217	340	1390	1393	1527	0	
	f	91	2237	367	1117	1122	1520	0 0 1	
	f	92	2229	959	1171	1159	1537	0 0 1	
	p	39	2227	978	1081	—	1533	0	
	f	93	2231	1130	1110	1130	1540	0	
	p	40	2231	1212	833	—	1560	0 –	
	f	94	2219	1212	1080	1160	1521	0	
22.4	p	41	2244	211	1110	—	1520	0	

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1929phao.proj.166c

Q.-Dk.	Dgfl.-Dk.	Dgfl.-Dk.	Reduced	Reduced	Magn.	L. No.
1549	1231	1260	795	813	off curve, off curve	
1552	779	—	602	—	6.63	960 x
1539	1456	1410	942	917	off curve, off curve	
1530	601	571	393	373	6.29, 6.23	
1533	1301	1330	848	866	off curve, off curve	
1539	270	250	175	162	5.41, 5.34	
1509	414	370	274	245	5.90, 5.78	
1530	1130	1124	738	733	7.42, 7.41	
1530	1301	1288	850	841	off curve, off curve	
1510	790	788	523	622	6.71, 6.70	
1510	1221	1267	809	828	off curve, off curve	
1529	691	710	453	464	6.46, 6.50	
1503	660	629	438	417	6.42, 6.37	
1542	911	913	591	592	6.93, 6.93	
1527	1250	—	819	—	not on curve	2a x
1531	950	986	622	640	7.03, 7.09	
1463	880	—	602	—	6.96	294 v
1487	900	—	606	—	6.97	279 v
1530	1360	—	889	—	(not on curve)	274 v
1550	1348	1369	870	883	off curve, off curve	
1537	1102	—	716	—	7.34	1171 v
1527	1398	1393	911	913	off curve, off curve	
1526	1116	1121	733	734	7.41, 7.43	not 5 same star
1537	1170	1158	761	753	7.49, 7.45	
1530	1081	—	705	—	7.31	1109 v
1540	1110	1130	721	734	7.35, 7.41	
1560	833	—	534	—	6.75	1030 +
1521	1080	1160	709	762	7.32, 7.50	
1526	1110	—	730	—	7.38	297 x

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1929phae.proj.127c

New Series

Dgp- RH1403- Aug 15, 1929

Strip	Class	Star	y	x	Dyll.	Dyll.	cc	Dk	Notes
	f	95	2236	366	1093	1109	1503	0	
	f	96	2240	512	961	943	1538	0	
	fp	42	2238	1168	1110	—	1561	001	
22.6	f	97	2274	149	1220	1188	1510	001	
	fp	43	2271	510	681	—	1529	001	
	f	98	2270	890	920	857	1522	0	
	f	99	2261	893	960	955	1537	0	
	fp	44	2260	1217	1055	—	1561	000	
		11	2140	719	032	—	1541	0	
		1	1980	1045	091	—	1590	0	
		2	—	—	290	—	1599	0	
		3	—	—	401	—	1518	0	
		4	—	—	468	—	1559	0	
		5	—	—	721	—	1540	0	
		6	—	—	1005	—	1540	0	
		7	—	—	1133	—	1551	001	
		8	—	—	cannot find				520
		1s	2140	751	151	—	1790	050	
fmc Aug 16, 1929		1	1980	1080	228	—	1804	050	
		2	—	—	395	—	1780	050	
		3	—	—	610	—	1789	050	
		4	—	—	700	—	1782	050	
		5	—	—	962	—	1761	050	
		6	—	—	1320	—	1792	050	
		7	—	—	1370	—	1821	050	
		8	—	—	Cannot find				
22.8	fp	45	2282	360	1520	—	1775	051	
	f	100	2290	890	271	275	1800	050	
23.0	f	101	2300	830	1150	1121	1801	052	
23.2	f	102	2330	220	1528	1500	1780	055	

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A.-Dk.	Refl-DB	Defl-Dk	Reduced	Reduced	Magn.	L. Ko.
1503	1693	1109	727	737	7.37, 7.43	
1538	961	943	626	613	7.04, 7.00	
1561	1110	—	711	—	7.33	1044 x
1510	1220	1188	807	786	off curve, off curve	
1529	681	—	446	—	6.46	205 v
1522	920	867	604	564	6.97, 6.84	
1537	960	965	625	622	7.04, 7.03	
1561	1065	—	675	—	7.21	1043 x
1541	32	—	21	—		
1530	91	—	59	—		
1534	230	—	150	—		
1518	401	—	264	—		
1559	468	—	301	—		
1540	721	—	468	—		
1540	1005	—	653	—		
1555	1133	—	730	—		
(cannot find star)						
1740	101	—	57	—		
1754	178	—	102	—		
1730	345	—	199	—		
1739	560	—	322	—		
1732	650	—	375	—		
1711	912	—	533	—		
1742	1270	—	728	—		
1771	1320	—	744	—		
cannot find						
1724	1469	—	850	—	not on curve	264 x
1750	221	225	126	128	5.05, 5.11	
1749	1098	1069	627	611	7.05, 7.00	
1725	1473	1445	853	837	off curve, off curve	

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1929phae.proj.127C

112 New Series FMC RH 1403 Aug 16 1929

Strip	Class	Star	y	x	Dpg	Dpe	d	Dh	Volt
23.2	f	103	2334	1258	489	500	1769	051	
23.4	f	104	2350	350	1172	1118	1775	055	
	f	105	2341	631	1218	1230	1799	052	
23.6	f	106	2358	705	865	880	1799	055	
	f	46	2371	845	1031	—	1809	060	
	f	47	2378	870	1430	—	1800	058	
	f	107	2361	1140	1421	1355	1780	060	
23.8	p	48	2389	900	1029	—	1768	060	
24.0	p	49	2400	317	709	—	1789	060	
	p	50	2410	590	1589	—	1790	060	
	p	51	2410	895	1280	—	1809	059	
24.2	p	52	2429	475	1010	—	1790	060	
	f	108	2430	540	1580	1560	1812	060	
	f	109	2418	690	1199	1164	1801	061	
	f	53	2420	750	534	—	1780	060	
24.4	f	110	2451	460	1490	1440	1775	060	
	f	54	2450	989	1182	—	1800	060	
	f	111	2450	1095	1025	1052	1750	060	
	f	112	2450	1108	1520	1512	1800	061	
		1S	2140	751	150	—	1800	060	
		1	1980	1080	280	—	1811	060	
		2	—	—	410	—	1790	061	
		3	—	—	680	—	1800	062	
		4	—	—	718	—	1800	060	
		5	—	—	979	—	1779	060	
		6	—	—	1310	—	1801	060	
		7	—	—	1382	—	1840	060	
		8	—	—	Cannot find				

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1929phot.proj.126c

Cl. No.	Defl. Obs.	Defl. Obs.	Reduced	Reduced	Magn.	Links
1718	438	449	255	261	5.83, 5.85	
1720	1117	1063	649	617	7.12, 7.01	
1747	1166	1178	667	674	7.18, 7.21	
1744	810	825	464	473	6.61, 6.53	
1749	971	—	555	—	6.53	1279
1742	1372	—	787	—	(not on curve)	1246
1720	1361	1295	792	758	off curve, 7.46	
1708	969	—	567	—	6.59	1242
1729	699	—	404	—	6.01	239 ×
1730	1559	—	883	—	(not on curve)	6
1750	1221	—	697	—	7.06	1251
1730	950	—	548	—	6.52	183 ×
1752	1520	1580	867	855	off curve, off curve	
1740	1138	1103	654	635	7.15, 7.08	
1720	474	—	275	—	5.58	56
1715	1430	1380	833	804	off curve, off curve	
1740	1122	—	645	—	6.87	1208 ×
1690	966	992	571	587	6.86, 6.92	
1739	1459	1451	838	835	off curve, off curve	
1740	90	—	52	—		
1757	160	—	91	—		
1729	349	—	202	—		
1738	558	—	321	—		
1740	658	—	378	—		
1719	919	—	534	—		
1741	1260	—	717	—		
1780	1322	—	743	—		

cannot find

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1929phae.proj.1267C

114 MRD KH 1403, Aug 16, 1929

New Series

Strip	Class	Star	y	x	Defl	Defl	Cl	Dk
		15	2140	751	130	—	1795	052
		1	1980	1080	210	—	1795	050
		2	—	—	413	—	1792	053
		3	—	—	640	—	1800	055
		4	—	—	655	—	1820	055
		5	—	—	1000	—	1795	052
		6	—	—	1300	—	1815	062
		7	—	—	1380	—	1820	063
		8	—	— Can't find —				
24.6	f	113	2462	902	1425	1440	1800	070
	f	114	2469	1090	350	370	1805	068
24.8	f	115	2489	835	1310	1290	1810	070
	f	116	2488	1040	785	840	1790	066
25.0	f	117	2514	520	740	769	1800	068
	f	118	2504	911	760	777	1810	070
	f	119	2503	971	940	980	1835	068
25.2	f	120	2525	503	600	620	1792	066
25.4	f	55	2539	1029	665	—	1810	069
25.6	f	56	2570	748	1130	—	1800	068
25.8	f	121	2590	823	1035	1025	1810	070
26.0	f	122	2640	738	1355	1315	1810	070
		15	2140	751	155	—	1745	070
		1	1980	1080	220	—	1795	060
		2	—	—	420	—	1770	069
		3	—	—	610	—	1780	069
		4	—	—	670	—	1785	072
		5	—	—	955	—	1770	067
		6	—	—	1285	—	1770	070
		7	—	—	1372	—	1795	070
		8	—	—	Can't find			

Aug 16 Finished Plate

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1929phae.proj.1967c

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L.Ke.
1743	78	—	45	—		
1745	160	—	92	—		
1731	360	—	207	—		
1745	585	—	335	—		
1765	600	—	340	—		
1743	948	—	543	—		
1753	1238	—	705	—		
1757	1317	—	749	—		
1730	1355	1370	783	792	7.64, 7.69	
1737	282	302	162	174	4.96, 5.03	
1740	1246	1220	712	701	7.46, 7.06	
1724	719	774	416	447	6.10, 6.20	
1732	672	701	387	404	5.98, 6.05	
1740	690	707	396	406	6.02, 6.05	
1767	872	912	494	516	6.36, 6.42	
1726	534	554	308	320	5.74, 5.78	
1741	596	—	342	—	5.86	1214 x
1732	1062	—	613	—	6.71	51 x
1740	965	955	554	548	6.52, 6.50	
1746	1285	1245	737	715	7.35, 7.14	
1675	85	—	51	—		
1735	160	—	92	—		
1701	351	—	206	—		
1711	541	—	316	—		
1713	598	—	349	—		
1703	888	—	521	—		
1700	1215	—	714	—		
1720	1302	—	754	—		

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Zgp - RH694 - Aug. 16, 1929

New Series

Strip	Class	Star	y	x	Diff	Diff	Cl.	Dk	Plates
		18	2002	702	082		1719	081	515
		1	2315	892	114	—	1831	081	
		2	—	—	180	—	1819	090	
		3	—	—	283	—	1839	085	
		4	—	—	310	—	1840	081	
		5	—	—	481	—	1830	080	
		6	—	—	870	—	1860	086	
		7	—	—	1039	—	1832	087	
		8	—	—	1509	—	1852	087	
13.6	p	1	1372	799	1149	1080	1830	089	
13.8	p	2	1390	720	712	680	1799	090	
14.0	p	3	1411	672	1429	1413	1840	091	
	p	4	1418	673	1360	1311	1820	081	
	p	5	1410	734	190	179	1809	088	
	p	6	1412	973	1550	1490	1803	091	
14.2	p	7	1426	737	1450	1390	1808	091	
	p	1	1430	807	1628	—	1793	093	
	p	8	1429	828	1590	1621	1810	093	
	p	9	1430	858	1588	1560	1751	092	
	p	16	1420	889	1442	1431	1810	091	
	p	2	1430	974	1419	—	1773	083	
14.4	p	11	1448	599	1350	1319	1820	099	
	p	3	1444	1088	928	—	1777	092	
14.6	p	12	1470	773	1589	1539	1817	097	
	p	13	1470	892	1473	1460	1810	093	
14.8	p	14	1491	472	898	868	1790	091	
	p	15	1493	508	579	581	1801	093	
	p	16	1480	560	1509	1581	1811	097	
	p	17	1489	817	1429	1401	1801	100	
15.0	p	4	1497	433	1112	—	1777	100	

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Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Mags. & Ks.	
1638	01	—	01	—		
1760	33	—	19	—		
1729	90	—	52	—		
1754	198	—	113	—		
1759	229	—	130	—		
1750	401	—	229	—		
1774	784	—	442	—		
1745	983	—	564	—		
1765	1422	—	807	—		
1741	1060	991	609	570	7.51, 7.42	
1709	622	590	364	346	6.93, 6.85	
1749	1338	1322	765	757	8.18, 8.14	
1739	1279	1236	736	708	8.03, 7.90	
1715	102	91	585	631	7.45,	
1712	1469	1399	867	815	8.64, 8.46	
1717	1359	1299	792	757	8.33, 8.14	
1700	1535	—	904	—	(not on curve)	a ✗
1717	1497	1528	872	890	off curve, off curve	
1659	1496	1468	902	885	off curve, off curve	
1719	1351	1340	787	780	8.81, 8.27	
1690	1336	—	792	—	8.33	1a ✗
1721	1251	1220	727	708	7.99, 7.90	
1685	836	—	497	—	7.24	464 ✗
1720	1492	1442	868	840	off curve 8.67	
1717	1380	1367	804	796	840, 8.35	
1699	807	777	475	459	7.18, 7.14	
1714	1412	1484	824	866	8.50, off curve	
1701	1327	1301	780	765	8.26, 8.18	
1677	1012	—	604	—	7.51	

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New Series

Zpp - R H 694 - Aug 16, 1929

Strip	Class	Star	y	x	Dyll	Dyll	Cy	Dk	Notes
	p	5	1508	493	1541	—	1800	100	
	p	18	1501	458	997	909	1781	098	
	p	6	1507	550	801	—	1762	099	
	p	19	1510	673	1229	1210	1801	100	
	p	20	1500	848	1541	1549	1810	101	
	p	21	1513	900	1173	1190	1799	100	
	p	7	1509	929	499	—	1812	100	
	p	8	1510	950	1551	—	1773	100	
	p	22	1502	1039	905	932	1791	098	
	p	9	1511	1160	993	—	1810	098	
15.2	p	23	1530	467	268	243	1792	093	
	p	24	1521	660	1250	1273	1791	097	
	p	25	1530	689	1608	1613	1777	100	
	p	10	1534	907	1051	—	1796	100	
	p	11	1530	1022	1302	—	1810	098	
	p	12	1532	1077	1640	—	1820	100	
	p	26	1530	1198	1660	1613	1791	101	
15.4	p	13	1551	378	457	—	1781	100	
	p	27	1550	536	1260	1310	1770	100	
15.6	p	28	1560	469	1358	1410	1787	102	
	p	29	1570	498	1224	1170	1767	101	
	p	30	1571	959	1431	1424	1788	103	
	p	14	1577	1049	563	—	1800	101	
	p	15	1561	1163	1439	—	1803	101	
15.8	p	31	1580	379	150	142	1740	097	
	p	16	1590	401	211	—	1759	098	
	p	17	1580	449	1402	—	1672	100	
	p	32	1590	500	1505	1482	1800	100	
	p	33	1578	473	860	798	1787	100	
	p	34	1588	471	1267	1340	1787	100	

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C.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L.Ko.
1700	1441	—	848	—	8.63	
1683	849	811	533	483	7.32, 7.20	
1663	702	—	422	—	7.04	297 *
1701	1129	1116	663	653	7.73, 7.69	
1709	1440	1448	842	846	8.60, 8.61	
1699	1073	1090	632	642	7.61, 7.65	
1712	349	—	233	—	6.49	426 *
1673	1451	—	867	—	(not on curve)	
1693	807	834	477	492	7.18, 7.23	
1712	895	—	623	—	7.31	498 *
1699	170	150	103	88	5.73, 5.59	
1694	1153	1176	680	693	7.79, 7.84	
1677	1508	1573	899	903	off curve, off curve	
1696	951	—	562	—	7.40	420 *
1712	1204	—	705	—	7.90	457 *
1726	1546		895		(not on curve)	
1690	1559	1512	922	896	off curve, off curve	
1681	357	—	212	—	6.43	242 *
1670	1160	1210	694	725	7.85, 7.99	
1685	1251	1308	743	776	8.06, 8.24	
1666	1123	1069	675	642	7.78, 7.64	
1685	1328	1321	788	785	8.30, 8.29	
1699	462	—	372	—	6.92	474 *
1702	1338	—	785	—	8.30	509 *
1643	53	45	32	27	4.70, 4.54	
1661	113	—	68	—	5.40	239 *
1572	1302	—	829	—	8.52	225 *
1700	1405	1382	827	814	8.57, 8.45	
1687	760	698	452	414	7.19, 7.02	
1687	1167	1240	692	735	7.84, 8.03	

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New Series

D Gp – R Th 694 – Aug 16, 1929

Strip	Class	Star	y	x	Diff	Diff	d	Dk	Vets
	f	35	1580	476	1002	1032	1790	100	
	f	36	1590	812	161	160	1819	096	
	p	18	1589	1120	1581	—	1788	099	
	p	19	1591	1177	1573	—	1809	100	
16.0	p	20	1603	640	1141	—	1809	101	
	p	21	1610	652	1563	—	1819	101	
	f	37	1612	808	1325	1271	1801	101	
	f	38	1601	859	1214	1240	1811	101	
	p	22	1611	1017	1608	—	1807	102	
	f	39	1610	1049	1482	1421	1781	104	
	p	23	1600	1269	1209	—	1795	103	
	p	24	1600	1299	263	—	1799	101	
		11	2002	762	100	/	1708	100	
		1	2315	892	138	/	1804	100	
		2	—	—	191	/	1820	100	
		3	—	—	281	/	1814	100	
		4	—	—	320	/	1820	100	
		5	—	—	479	/	1803	100	
		6	—	—	857	/	1840	100	
		7	—	—	978	/	1810	100	
		8	—	/	1463	/	1840	102	500

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Ce.-Dk.	Diff. Dk.	Deff. Dk.	Reduced	Reduced	Magn.	L. No.
1690	902	932	535	553	7.33, 7.37	
1623	65	64	40	39	4.96, 4.45	
1689	1482	—	878	—	(not on curve)	
1709	1473	—	864	—	(not on curve)	519 ×
1708	1040	—	609.	—	7.02	2a ×
1718	1462	—	852	—	8.65	C ×
1700	1234	1170	726	688	7.98, 7.83	
1700	1113	1139	665	670	7.70, 7.75	
1705	1506	—	883	—	(not on curve)	
1677	1378	1317	821	785	8.49, 8.30	
1692	1106	—	654	—	7.70	534
1698	162	—	95	—	5.65	
1608	0	—	0	—		
1704	38	—	22	—		
1720	91	—	53	—		
1714	181	—	105	—		
1720	220	—	128	—		
1703	379	—	223	—		
1740	757	—	435	—		
1710	878	—	613	—		
1738	1361	—	784	—		

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Con from Bk 68 DP - RH 694 Aug 22, 1929

P. 142

New Series

Strip	Class	Star	Y	X	Defl	Defl	Cl	Dk	Volts
		1A	2302	710	069		1827	071	530
		1	2315	900	109	—	1902	073	
		2	—	—	182	—	1901	079	
		3	—	—	247	—	1922	080	
		4	—	—	337	—	1919	080	
		5	—	—	514	—	1921	083	
		6	—	—	904	—	1953	087	
		7	—	—	1023	—	1922	087	
		8	—	—	1579	—	1929	089	
23.2		267	2325	383	508	559	1902	086	
		103	2325	432	1530	—	1913	090	
		104	2328	849	1542	—	1939	094	
		268	2336	858	1052	1033	1909	092	
		269	2334	1050	271	270	1929	089	
		270	2331	1170	951	922	1914	092	
		105	2333	1249	1560	—	1917	095	
		271	2331	1272	1810	1760	1929	100	
		272	2329	1277	1213	1199	1929	100	
23.4		273	2354	811	1131	1218	1908	100	
		274	2353	1159	1115	1091	1953	101	
		275	2350	1188	1751	1702	1930	104	
23.6		276	2370	938	1709	1769	1968	107	
		277	2363	1017	1622	1656	1971	106	
		278	2371	1018	1547	1590	1957	105	
		279	2362	1018	1543	1590	1943	108	
		280	2371	1064	1580	1569	1947	108	
23.8		281	2390	929	1193	1250	1952	109	
		282	2380	1109	1563	1511	1917	109	
24.0		283	2403	413	195	197	1888	103	
		284	2398	769	1223	1181	1909	109	

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1929phae.proj.1267C

Cl.-Dk	Refl.-Dk.	Refl.-Dk.	Reduced	Reduced	Magn.	L. No.
1756	−2	—		—		
1829	36	—	20	—		
1822	103	—	56	—		
1842	197	—	107	—		
1839	257	—	140	—		
1838	431	—	234	—		
1866	817	—	438	—		
1835	936	—	510	—		
1840	1490	—	810	—		
1876	422	473	233	260	6.45, 6.55	
1823	1440	—	788	—	8.24	1176×
1845	1448	—	783	—	8.22	948v
1817	960	941	528	519	7.41, 7.39	
1840	182	181	988	987	off curve, off curve	
1822	859	830	471	455	7.23, 7.18	
1822	1465	—	803	—	8.30	k×
1829	1710	1660	935	908	off curve, off curve	
1829	1113	1099	609	600	7.67, 7.65	
1808	1031	1118	562	618	7.53, 7.70	
1852	1014	990	562	547	7.53, 7.48	
1826	1647	1598	902	874	off curve, off curve	
1861	1602	1660	860	890	off curve, off curve	
1865	1516	1530	813	832	8.34, 8.40	
1852	1442	1485	779	802	8.21, 8.29	
1835	1435	1482	782	809	8.23, 8.30	
1839	1472	1461	802	796	8.29, 8.24	
1843	1084	1141	588	619	7.60, 7.70	
1808	1454	1402	805	777	8.30, 8.22	
1785	92	94	52	53	5.25, 5.26	
1800	1114	1073	619	598	7.70, 7.64	

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R H 694 - H P - Aug 22, 1929

New Series

Strip	Class	Star	x	b	Diff	Diff.	cc	dk	Volts
	p	106	2400	919	1356	—	1910	110	
		285	2409	927	1710	1731	1929	112	
		286	2400	1090	1388	1368	1931	111	
	p	107	2410	1221	1120	—	1919	111	
24.2		287	2420	585	1406	1388	1942	112	
		288	2422	862	1100	1027	1930	112	
		289	2431	962	1969	1428	1918	112	
		290	2438	1022	1610	1558	1929	112	
	p	108	2429	1040	1542	—	1911	112	
		291	2423	1107	1450	1422	1892	112	
		292	2430	1200	1707	1701	1912	113	
		293	2419	1249	1419	1386	1905	113	
24.4	p	109	2440	453	1614	—	1893	112	
		294	2440	530	1480	1459	1897	113	
		295	2458	831	1660	1661	1922	113	
		296	2450	890	1468	1490	1909	113	
		297	2440	1116	1167	1173	1922	113	
	p	110	2444	1218	1623	—	1913	113	
24.6		298	2458	570	1638	1602	1887	117	
	p	111	2460	657	1173	—	1888	113	
		299	2459	687	1650	1651	1873	118	
		300	2460	711	390	390	1901	112	
		301	2463	769	1390	1499	1889	116	
		302	2470	779	1382	1443	1937	117	
		303	2470	787	1744	1711	1910	118	
		304	2471	852	1541	1550	1920	118	
		305	2463	947	1261	1242	1903	118	
	p	112	2472	947	1760	—	1919	120	
	p	113	2460	1018	1553	—	1927	119	
		306	2470	1039	1199	1148	1937	120	

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1929phot.proj.1467c

Cl.-Db	Defl.-sk.	Defl.-Dk.	Reduced	Reduced	Magn.	Lt. No.
1800	1246	—	692	—	7.94	
1817	1548	1619	880	891	off curve, off curve	
1820	1277	1257	702	692	7.98, 7.94	
1808	1009	—	557	—	7.52	809x
1830	1294	1276	707	698	7.99, 7.96	
1818	988	915	543	503	7.47, 7.34	
1801	1257	1316	698	732	7.96, 8.06	
1817	1498	1446	825	797	8.37, 8.27	
1799	1430	—	795	—	8.27	880x
1780	1338	1310	751	736	8.13, 8.06	
1799	1594	1588	887	881	off curve, off curve	
1792	1306	1273	728	711	8.05, 8.01	
1781	1502	—	844	—	8.43	
1784	1367	1346	766	754	8.17, 8.14	
1809	1547	1578	855	856	off curve, off curve	
1796	1355	1377	753	766	8.14, 8.17	
1809	1054	1060	583	587	7.59, 7.61	
1800	1510	—	839	—	8.41	~~1044~~
1770	1521	1485	861	840	off curve, 8.41	
1775	1060	—	597	—	7.64	1044x
1755	1532	1533	874	875	off curve, off curve	
1789	278	278	155	156	6.06, 6.06	
1773	1274	1323	718	747	8.03, 8.11	
1820	1265	1326	696	728	7.95, 8.05	
1792	1626	1593	907	888	off curve, off curve	
1802	1423	1432	790	795	8.25, 8.27	
1785	1143	1124	641	631	7.79, 7.74	
1799	1640	—	912	—	off curve	
1808	1434	—	793	—	8.25	892x
1817	1079	1028	594	575	7.63, 7.67	

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New Series

Zgp - R 4 694 - Aug 22, 1929

Strip	Class	Star	y	x	Defl	Defl	Cl	dk	Net
	f	307	2467	1091	1512	1501	1919	121	
	p	114	2460	1161	1031	—	1923	120	
	f	308	2471	1191	750	723	1932	121	
24.8	p	115	2479	500	1459	—	1901	120	
	p	116	2480	578	1640	—	1878	120	
	f	309	2481	602	1592	1575	1929	122	
	p	117	2494	762	1793	—	1917	123	
	f	310	2490	849	1720	1730	1924	123	
	f	311	2491	863	1343	1371	1921	121	
	p	118	2488	941	1581	—	1931	122	
25.0	f	312	2501	553	982	957	1882	122	
	f	313	2510	610	1658	1661	1890	122	
	p	119	2510	639	1082	—	1898	121	
	p	120	2504	667	775	—	1877	121	
	p	121	2501	904	1191	—	1899	122	
25.2	f	314	2528	602	1352	1331	1877	121	
	f	315	2523	630	1732	1764	1888	123	
	f	316	2535	811	1570	1627	1910	123	
	f	317	2529	902	1332	1261	1889	123	
25.4	f	318	2546	753	1671	1628	1868	123	
25.6	f	319	2560	644	1249	1170	1850	123	
	f	320	2570	791	1268	1243	1870	123	
	f	321	2572	827	1357	1350	1878	121	
	f	322	2573	850	1790	1680	1862	122	
	p	122	2560	952	1509	—	1861	122	
25.8	p	123	2588	820	690	—	1637	121	
		14	2002	710	127	—	1822	123	
		1	2315	900	157	—	1911	123	
		2	—	—	220	—	1910	121	
		3	—	—	321	—	1930	122	

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1929phae.proj.1267c

a–Dk.	Defl.–Dk	Defl.-Dk	Reduced	Reduced	Magn.	D. No.
1798	1391	1380	774	767	8.20, 8.18	
1803	911	—	505	—	7.35	844 ×
1811	689	602	337	333	6.80, 6.79	
1781	1339	—	757	—	8.14	1110 ×
1758	1520	—	864	—	off curve	
1807	1470	1453	814	806	8.34, 8.30	
1794	1676	—	931	—	off curve	
1801	1597	1607	886	891	off curve, off curve	
1800	1222	1250	680	685	7.89, 7.92	
1809	1459	—	806	—	8.31	
1760	860	835	488	474	7.28, 7.24	
1768	1536	1539	868	870	off curve, off curve	
1777	961	—	541	—	7.47	1043 ×
1756	654	—	373	—	6.92	1030 ×
1777	1069	—	601	—	7.65	926 ×
1756	1231	1210	701	689	7.98, 7.93	
1765	1619	1641	917	931	off curve, off curve	
1787	1447	1484	809	843	8.32, 8.42	
1766	1209	1138	684	644	7.92, 7.78	
1745	1548	1505	885	863	off curve, off curve	
1727	1126	1047	652	606	7.82, 7.66	
1747	1145	1120	657	642	7.83, 7.78	
1757	1236	1229	703	699	7.98, 7.96	
1740	1668	1558	959	895	off curve, off curve	
1739	1387	—	797	—	8.28	3a ×
1676	569	—	375	—	6.93	
1699	04	—	02	—		
1788	34	—	19	—		
1789	99	—	60	—		
1808	199	—	110	—		

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New Series

DP-RH-694- Aug 22, 1929

Class	Star	y	x	Dyl	Dyl	cl	Dk.	Dates
Plate finished	4	—	—	351	—	1900	121	
	5	—	—	540	—	1908	120	
	6	—	—	903	—	1932	121	
	7	—	—	1120	—	1918	122	
	8	—	—	1564	—	1899	123	520

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cl.-Ob.	Defl. Sk.	Defl. Sk.	Reduced	Reduced	Magn. Like.
1779	230	—	129	—	
1788	420	—	235	—	
1811	782	—	434	—	
1796	998	—	536	—	
1776	1431	—	807	—	

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1929phae.proj.127C

Wgp- RH 695- August 23, 1929

New Series

Strip	Class	Star	Y	X	Diff	Diff	Cl	Dk	Volts
		1s	2012	701	003	—	1383	0-	500
		1	2320	893	049	—	1470	001	
		2	—	—	062	—	1491	003	
		3	—	—	244	—	1481	009	
		4	—	—	248	—	1501	009	
		5	—	—	431	—	1479	010	
		6	—	—	671	—	1482	009	
		7	—	—	787	—	1519	011	
		8	—	—	1297	—	1511	012	
13.8	L	1	1391	797	881	898	1520	017	
14.0	L	2	1408	719	587	687	1542	018	
14.2	L	3	1430	670	1225	1211	1542	020	
	L	4	1432	671	1213	1197	1511	020	
	L	5	1429	732	160	149	1513	018	
	L	1	1433	959	1089	—	1519	013	
14.4	L	6	1443	799	1256	1221	1530	020	
	L	7	1448	824	1390	1328	1543	021	
	L	8	1450	856	1402	1367	1532	022	
	L	9	1439	889	1249	1290	1511	021	
	L	10	1432	971	1320	1281	1557	023	
14.6	P	2	1440	1067	1203	—	1513	024	
	P	3	1449	1071	779	—	1529	024	
14.6	L	11	1461	597	1133	1120	1530	027	
14.8	L	12	1478	459	1091	1100	1527	029	
	L	13	1489	769	1306	1312	1532	031	
	L	14	1490	817	1398	1421	1538	030	
	L	15	1490	890	1290	1290	1520	030	
	P	4	1490	1079	1429	—	1531	030	
	P	5	1490	1119	1540	—	1542	030	
	P	6	1480	1138	1391	—	1553	030	

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A-Db	Left-Dk	Diff.-Dk.	Reduced	Reduced	Magn. L. Ko.	
1383	03	—	02	—		
1469	48	—	33	—		
1488	59	—	40	—		
1472	265	—	180	—		
1492	239	—	160	—		
1469	421	—	287	—		
1473	662	—	449	—		
1508	776	—	675	—		
1499	1285	—	857	—		
1503	864	881	576	587	7.55, 7.59	
1524	589	669	373	437	6.77, 7.04	
1522	1205	1191	791	784	8.20, 8.17	
1491	1193	1177	800	788	8.22, 8.18	
1495	142	131	95	88	6.15, 5.07	
1486	1076	—	765	—	8.11	19 x
1510	1236	1201	818	796	8.26, 8.21	
1532	1309	1307	860	858	8.39, 8.38	
1510	1380	1345	913	891	7.96, 8.49	
1479	1228	1209	830	817	8.31, 8.26	
1534	1297	1258	845	820	8.34, 8.27	
1489	1179	—	792	—	8.20	462 x
1495	755	—	506	—	7.32	464 x
1403	1106	1093	789	781	8.18, 8.16	
1498	1002	1071	670	716	7.84, 7.97	
1499	1275	1281	852	856	8.37, 8.39	
1508	1368	1391	908	924	off curve, off curve	
1490	1206	1200	806	806	8.24, 8.24	
1501	1399	—	931	—	off curve	
1512	1510	—	999	—	off curve	
1523	1361	—	894	—	8.49	

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Dyp- RH695- August 23, 1929

New Series

Strip	Class	Star	y	x	Dyf	Dyf.	Cl	Dc Volts
15.0	p	7	1510	419	958	—	1498	029
		16	1509	470	896	803	1528	027
		17	1510	505	533	540	1511	029
		18	1500	560	1367	1306	1531	030
	p	8	1511	622	1371	—	1514	031
		19	1509	715	1453	1453	1541	032
		20	1509	814	1209	1229	1531	031
	p	9	1512	913	1522	—	1520	029
	p	10	1514	1147	811	—	1543	031
15.2	p	11	1522	419	1310	—	1522	037
		21	1518	452	991	859	1524	033
	p	12	1520	536	720	—	1510	044
		22	1527	670	1050	1070	1532	032
		23	1519	847	1292	1326	1527	038
		24	1532	898	953	962	1524	039
	p	13	1533	1019	1053	—	1533	033
		25	1522	1037	804	832	1540	031
15.4		26	1543	462	283	322	1500	035
		27	1540	659	1086	1138	1510	038
		28	1548	684	1350	1350	1520	040
	p	14	1549	742	1169	—	1528	039
	p	15	1540	891	917	—	1531	039
		29	1553	1194	1411	1407	1518	041
		14	2012	701	048		1360	034
		1	2320	893	080	—	1512	040
		2	—	—	228	—	1488	038
		3	—	—	310	—	1500	038
		4	—	—	261	—	1506	038
		5	—	—	478	—	1492	038
		6	—	—	709	—	1509	038
		7	—	—	801	—	1545	039
		8	—	—	1253	—	1520	040

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1929phot.proj.1967C

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn. L.K.	
1469	929	—	633	—	7.23	
1501	809	776	538	512	7.43, 7.34	
1482	504	511	340	344	6.65, 6.67	
1501	1337	1276	889	850	8.48, 8.36	
1483	1340	—	903	—	off curve	
1409	1421	1421	1010	1010	off curve, off curve	
1500	1178	1198	786	800	8.17, 8.22	
1491	1493	—	1006	—	off curve	
1512	780	—	507	—	7.32	
1485	1273	—	867	—	8.88	498 ×
1491	898	826	602	535	7.64, 7.49	
1466	676	—	463	—	7.14	297 ×
1500	1018	1038	680	692	7.86, 7.91	
1489	1264	1288	843	865	8.34, 8.41	
1488	914	923	615	614	7.68, 7.67	
1500	1020	—	681	—	7.87	457 ×
1509	773	801	573	532	7.34, 7.41	
1467	250	289	171	198	5.76, 5.92	
1472	1048	1100	712	747	7.97, 8.06	
1480	1310	1310	885	885	8.47, 8.47	
1489	1130	—	760	—	8.09	
1492	878	—	588	—	7.59	420 ×
1467	1370	1366	928	926	off curve, off curve	
1323	11	—	08	—		
1472	40	—	27	—		
1450	185	—	128	—		
1462	272	—	186	—		
1468	223	—	152	—		
1454	440	—	303	—		
1481	671	—	467	—		
1506	762	—	508	—		

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1929phae.proj.127C

New Series

21 gp-R H695 - Aug 24, 1929

Strip	Class	Star	Y	X	Defl	Defl	CL	Lbs	Watts
		18	2012	669	0 —	—	1563	0 —	530
		1	2320	862	027	—	1582	0 —	
		2)	—	—	132	—	1588	0 —	
		3	—	—	248	—	1560	0 —	
		4	—	—	220	—	1582	0 —	
		5	—	—	440	—	1550	0 —	
		6	—	—	720	—	1557	0 —	
		7	—	—	818	—	1593	0 —	
		8	—	—	1308	—	1580	0 —	
15.6	p	16	1570	332	405	—	1550	0 —	
	f	30	1574	433	1270	1254	1579	0 —	
	f	31	1568	501	1122	1198	1582	0 —	
	f	32	1571	717	1400	1386	1613	0 —	
	p	17	1563	921	1418	—	1603	0 —	
	f	33	1568	975	1479	1480	1591	0 —	
	p	18	1569	1062	1456	—	1628	0 —	
	p	19	1562	1119	1280	—	1619	0 —	
15.8	f	34	1595	329	110	109	1542	0 —	
	p	20	1597	403	1350	—	1593	0 —	
	f	35	1590	411	1513	1514	1590	0 —	
	f	36	1589	462	1049	1118	1590	0 —	
	f	37	1596	740	700	702	1608	0 —	
	p	38	1591	923	1283	1270	1647	0 —	
	p	21	1580	1004	459	—	1632	0 —	
	p	22	1590	1074	1407	—	1647	0 —	
	f	39	1583	1221	1490	1451	1635	0 —	
16.0	p	23	1606	339	215	—	1603	0 —	
	f	46	1603	467	1408	1373	1610	0 —	
	p	24	1616	598	989	—	1627	0 —	
	f	41	1604	739	1272	1232	1611	0 —	

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1929phot.proj.267C

α.-Dk.	Defl.-Dk.	Defl.-Dk..	Reduced	Reduced	Magn. Lks.	
1663	0	—	0	—		
1682	27	—	17	—		
1688	132	—	89	—		
1560	248	—	159	—		
1582	220	—	139	—		
1550	440	—	284	—		
1567	720	—	463	—		
1593	818	—	514	—		
1580	1308	—	828	—		
1560	405	—	265	—	6.29	242x
1579	1270	1254	805	794	8.24; 8.21	
1582	1122	1198	710	757	7.94; 8.08	
1613	1400	1386	869	860	off curve, off curve	
1603	1418	—	885	—	off curve	442x
1591	1473	1480	926	929	off curve, off curve	
1628	1456	—	884	—	off curve	494x
1613	1280	—	793	—	8.21	509x
1542	110	103	71	65	5.02, 4.91	
1593	1350	—	847	—	off curve	225x
1590	1513	1574	952	953	off curve, off curve	
1590	1049	1118	660	702	7.74, 7.83	
1608	700	702	437	438	7.03, 7.04	
1647	1283	1270	780	771	8.16, 8.14	
1632	469	—	281	—	6.36	474x
1647	1407	—	853		off curve	
1635	1430	1451	873	887	off curve, off curve	
1603	215	—	134	—	5.54	239x
1610	1408	1373	873	862	off curve, off curve	
1627	989	—	607	—	8.13	20x
1611	1272	1232	790	765	8.20, 8.12	

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1929phae.proj.1267C

2 Jp – RA 16 45 — Aug 24, 1929

New Series

Strip	Class	Star	y	x	Diff.	Diff.	Cl.	Dk.	Notes
	l	42	1600	741	866	730	1612	0 —	
	l	43	1610	479	109	109	1633	0 —	
	p	25	1599	1252	170	—	1690	0 —	
16.2	l	44	1630	278	850	831	1572	0 —	
	l	45	1634	610	1429	1438	1610	0 —	
	p	26	1620	610	1379	—	1630	0 —	
	l	46	1631	697	1588	1560	1617	0 —	
	l	47	1691	722	1158	1249	1628	001	
	l	48	1620	823	1118	1089	1610	0 -	
	p	27	1627	920	1090	—	1613	0 —	
	l	49	1630	1012	1340	1320	1610	000	
16.4	p	28	1649	281	1017	—	1570	0 —	
	p	29	1641	409	1369	—	1588	0 —	
	p	30	1640	479	1041	—	1600	0 —	
	l	50	1649	588	1504	1461	1611	0	
	p	31	1649	752	1270	—	1610	0	
	l	51	1651	837	663	623	1630	0 —	
	p	32	1651	1059	1422	—	1641	0	
	p	33	1639	1120	1060	—	1621	0	
16.6	p	34	1660	250	1214	—	1575	0	
	l	52	1669	289	1240	1250	1562	0	
	l	53	1669	460	1250	1309	1593	0	
	l	54	1659	542	1348	1413	1591	001	
	p	35	1669	581	572	—	1601	0	
	l	55	1660	669	1288	1280	1618	0	
	l	56	1670	749	1402	1370	1630	0	
	p	36	1660	852	1395	—	1619	0	
	l	57	1669	1081	373	423	1648	0 -	
	l	58	1670	1108	1066	1081	1622	001	
16.8	l	59	1690	251	941	952	1590	0	

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1929phte.proj.126C

Cl. Dk.	Defl. Dk.	Defl. Dk	Reduced	Reduced	Magn. & No.	
1612	866	730	538	463	7.40, 7.10	
1633	104	109	67	67	4.98, 4.98	
1630	170	—	104	—	5.81	
1572	860	831	642	629	7.41, 7.36	
1610	1423	1438	884	892	off curve, off curve	
1630	1379	—	846	—	off curve	C x
1617	1588	1560	981	966	off curve, off curve	
1627	1158	1248	711	767	7.95, 8.12	
1610	1118	1089	695	676	7.90, 7.83	
1613	1030	—	639	—	7.73	457 ✓
1616	1340	1320	833	826	8.33, 8.28	
1570	1017	—	648	—	7.76	206 x
1588	1369	—	852	—	off curve	
1600	1041	—	649	—	7.76	264 x
1611	1504	1461	935	908	off curve, off curve	
1610	1270	—	788	—	8.19	
1630	663	623	407	382	6.92, 6.82	
1641	1422	—	867	—	off curve	513 x
1621	1060	—	655	—	7.77	523 ? x
1575	1214	—	772	—	8.14	
1562	1240	1250	794	801	8.22, 8.24	
1593	1200	1303	784	818	8.18, 8.28	
1590	1347	1412	848	888	off curve, off curve	
1604	572	—	358	—	6.10	294 ✓
1618	1288	1280	791	791	8.23, 8.20	
1630	1402	1370	862	841	off curve, off curve	
1619	1396	—	863	—	off curve	425 ✓
1648	373	423	226	257	6.09, 6.25	
1622	1060	1081	663	667	7.76, 7.81	
1590	941	952	592	599	7.58, 7.60	

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H.P. – RH 695 – Aug 24, 1929

New Series

Strip	Class	Fr.	y	x	Diff.	Diff.	Cl.	Dk	Notes
	f	60	1689	312	1081	1110	1588	0	
	f	61	1690	430	1048	1022	1603	0	
	f	62	1685	631	1210	1190	1615	0	
	f	63	1689	695	1170	1093	1617	0	
	f	64	1695	1059	1468	1425	1649	002	
	f	65	1689	1071	1170	1264	1631	001	
	p	37	1697	1131	229	—	1657	001	
17.0	f	66	1700	236	971	950	1581	0	
	f	67	1699	408	571	570	1607	0	
	f	68	1704	545	873	900	1618	001	
	p	38	1700	572	600	—	1607	0	
	f	69	1710	610	1119	1153	1598	001	
	f	70	1710	630	930	942	1610	001	
	p	39	1710	785	1280	—	1612	002	
	p	40	1705	785	1501	—	1642	003	
	f	71	1709	907	1320	1318	1610	002	
	f	72	1710	1129	1414	1350	1649	003	
	p	41	1712	1129	1171	—	1638	003	
		1A	2012	669	019	—	1509	004	
		1	2320	862	052	—	1608	002	
		2	—	—	211	—	1600	002	
		3	—	—	331	—	1581	003	
		4	—	—	274	—	1592	001	
		5	—	—	511	—	1589	002	
		6	—	—	463	—	1585	004	
		7	—	—	850	—	1551	002	
		8	—	—	1332	—	1613	005	520

Con in Bk 68 P 144

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1929phae.proj.1967C

Cl. Db.	Defl. Dk.	Defl. Dk.	Reduced	Reduced	Magn. L. Ko.	
1588	1081	1110	682	699	7.85, 7.91	
1603	1648	1022	654	638	7.77, 8.22	
1615	1210	1196	748	727	8.06, 8.03	
1617	1170	1093	723	677	8.00, 7.84	
1647	1468	1425	891	865	off curve, off curve	
1630	1170	1264	718	776	7.96, 8.15	
1656	229	—	138	—	5.57	536 ×
1581	971	950	614	600	7.64, 7.60	
1607	571	576	977	976	off curve, off curve	
1617	873	900	541	557	7.94, 7.97	
1607	600	—	374	—	6.77	279 ✓
1597	1118	1152	710	723	7.94, 8.00	
1609	929	941	577	585	7.53, 7.56	
1610	1278	—	798	—	8.21	
1639	1498	—	914	—	off curve	
1608	1318	1316	819	817	8.29, 8.27	
1646	1411	1347	857	818	off curve, 8.28	
1635	1168	—	715	—	7.96	541 ✓
1505	15	—	10	—		
1606	50	—	31	—		
1598	209	—	131	—		
1578	328	—	208	—		
1591	276	—	173	—		
1587	509	—	321	—		
1581	759	—	481	—		
1649	848	—	547	—		
1608	1327	—	826	—		

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1929phae.proj.1267C

140 New Series

Con from Bk 68, P. 162
Dup - R #695 - Aug 29, 1929

Strip	Class	Star	Y	X	Defl	Defl	Cl	Dk	Plate
		10	2012	678	129	—	1822	109	520
		1	2320	871	194	—	1863	107	
		2	—	—	357	—	1840	109	
		3	—	—	528	—	1840	108	
		4	—	—	440	—	1870	108	
		5	—	—	683	—	1851	109	
		6	—	—	992	—	1871	109	
		7	—	—	1083	—	1893	110	
		8	—	—	1572	—	1861	110	
21.6	f	256	2170	350	1460	1464	1841	103	
	p	95	2173	458	1224	—	1840	113	
	f	251	2162	574	1380	1291	1839	110	
	p	96	2167	620	1230	—	1841	114	
	f	252	2175	631	1484	1514	1840	113	
	f	253	2170	678	1632	1660	1860	117	
	f	254	2160	790	1313	1329	1823	115	
	p	17	2172	840	1561	—	1839	116	
	p	255	2175	1013	1509	1513	1850	118	
	p	98	2169	1089	1421	—	1859	119	
	f	256	2162	1111	1520	1503	1853	119	
21.8	p	99	2179	221	1610	—	1811	119	
	p	100	2193	357	1671	—	1821	120	
	f	257	2183	394	1573	1599	1819	120	
	p	101	2183	422	1026	—	1831	119	
	p	102	2183	449	890	—	1801	117	
	f	258	2181	521	1648	1664	1830	121	
	f	103	2197	550	1472	—	1848	121	
	f	259	2180	640	1562	1541	1831	121	
	f	260	2181	792	961	903	1839	120	
	f	261	2183	816	768	749	1837	120	

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1929phae.proj.1267C

a. ok.	Deff.-Ok.	Deff.-Ok.	Reduced	Reduced	Magn.	L. No.
1713	20	—	12	—		
1756	87	—	50	—		
1731	248	—	143	—		
1732	420	—	243	—		
1762	332	—	188	—		
1742	574	—	329	—		
1762	883	—	502	—		
1783	973	—	546	—		
1751	1462	—	835	—		
1738	1357	1361	781	784	8.15, 8.16	
1727	1111	—	643	—	7.64	1246 ✓
1729	1270	1181	736	685	7.99, 7.79	
1727	1116	—	648	—	7.66	1171 ✓
1727	1371	1401	794	811	8.16, 8.25	
1743	1515	1543	868	885	8.47, 8.54	
1708	1198	1214	702	712	7.86, 7.90	
1723	1445	—	838	—	8.36	2035 ✗
1732	1391	1395	804	806	8.24, 8.25	
1740	1302	—	750	—	8.03	748 ✓
1734	1401	1384	809	798	8.25, 8.21	
1692	1491	—	882	—	8.63	
1701	1551	—	912	—	off curve	
1699	1453	1479	857	872	8.44, 8.50	
1712	907	—	530	—	7.23	1251 ✓
1684	773	—	468	—	6.97	1242 ✓
1709	1529	1543	895	904	8.57, off curve	
1727	1351	—	784	—	8.16	1139 ✓
1709	1441	1420	845	832	8.38, 8.35	
1719	841	783	490	456	7.07, 6.95	
1719	648	629	378	366	6.63, 6.58	

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New Series

Dgl – R.A. 695 – Aug 29, 1929

strip	Class	star	y	x	Diff.	Diff.	Cl.	Db	volt.
	f	262	2189	968	1567	1531	1852	121	
	f	263	2179	1180	1543	1530	1880	121	
22.0	p		2200	411	1532	—	1820	123	
	f		2205	489	1327	1356	1825	121	
	f		2210	790	1519	1532	1848	121	
	f		2211	853	1057	1060	1861	120	
	f		2198	881	1409	1503	1828	120	
		10	2012	678	159	—	1758	123	
		1	2320	871	210	—	1861	122	
		2	—	—	381	—	1856	120	
		3	—	—	513	—	1829	121	
		4	—	—	513	—	1865	121	
		5	—	—	699	—	1840	121	
		6	—	—	990	—	1863	123	
		7	—	—	1099	—	1890	123	
		8	—	—	1542	—	1860	122	520
Dgl		10	2012	678	117	—	1757	098	520
Aug 29, 1929		1	2320	871	181	—	1840	101	
R.A. 695		2	—	—	320	—	1839	101	
		3	—	—	481	—	1809	102	
		4	—	—	439	—	1832	104	
		5	—	—	680	—	1822	104	
		6	—	—	960	—	1857	103	
		7	—	—	1049	—	1878	108	
		8	—	—	1520	—	1842	108	
22.0	p	104	2200	411	1530	—	1800	110	
	f	264	2205	489	1339	1398	1801	110	
	f	265	2210	790	1512	1579	1830	111	
	f	266	2211	853	1043	1001	1848	110	
	f	267	2198	881	1455	1478	1810	110	

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1929phae.proj.1267C

cl.-Db.	Dyfl.-Db.	Dyfl.-Db.	Reduced	Reduced	Magn.	L. No.
1731	1446	1409	834	813	8.35, 8.26	
1759	1422	1409	810	801	8.25, 8.23	
		Strip Omitted				
1635	36	—	22	—		
1739	88	—	51	—		
1736	261	—	151	—		
1708	392	—	230	—		
1744	392	—	224	—		
1719	578	—	336	—		
1740	867	—	498	—		
1767	976	—	553	—		
1738	1420	—	817	—		
1659	19	—	11	—		
1739	80	—	46	—		
1738	219	—	126	—		
1707	379	—	222	—		
1728	329	—	191	—		
1718	576	—	337	—		
1754	857	—	488	—		
1770	941	—	534	—		
1734	1412	—	816	—		
1690	1420	—	842	—	8.40	1244
1691	1229	1288	727	762	7.99, 8.11	
1719	1401	1468	817	855	8.32, 8.44	
1738	933	891	537	514	7.33, 7.24	
1700	1345	1368	793	805	8.22, 8.26	

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1929phae.proj.1267c

Agp-R #695- Aug 29, 1929

NPD Series

strip	class	star	y	x	Defl.	Defl.	Cl.	Dk.	Watt.
	p	105	2210	1117	1541	—	1846	112	
	l	268	2210	1280	1722	1683	1850	111	
	l	269	2201	1337	1428	1422	1859	116	
22.2	l	270	2235	902	769	793	1782	119	
	l	271	2233	439	1550	1571	1817	112	
	l	272	2224	440	1539	1498	1803	117	
	l	273	2219	620	1391	1403	1832	117	
	l	274	2219	718	1272	1260	1830	117	
	l	275	2230	722	1240	1263	1828	114	
	p	106	2232	781	1611	—	1801	118	
	p	107	2231	1148	1643	—	1880	120	
22.4	l	276	2251	511	952	941	1820	119	
	l	277	2245	739	1651	1698	1830	121	
	p	108	2250	851	1660	—	1851	120	
	l	278	2255	1006	903	902	1853	119	
	l	279	2251	1210	247	250	1861	119	
22.6	l	280	2258	400	1644	1634	1814	121	
	l	281	2270	533	1185	1229	1790	120	
	l	282	2271	568	1530	1560	1830	119	
	l	283	2270	579	1609	1654	1810	120	
	p	109	2262	588	1616	—	1853	121	
	l	284	2270	749	1730	1663	1840	121	
	l	285	2272	890	1337	1338	1831	120	
	p	110	2272	1248	1542	—	1898	122	
	l	286	2265	1250	973	1027	1851	119	
22.8	p	111	2298	281	1258	—	1796	119	
	p	112	2280	992	1023	—	1809	119	
	p	113	2280	494	1288	—	1807	118	
	l (2)	288	2280	550	410	400	1823	113	
	l (1)	287	2280	546	1540	1553	1804	118	

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1929phae.proj.126C

α.-Ob.	Diff.-Ob.	Diff.-Ob.	Reduced	reduced	Magn.	R. Ko.
1734	1429	—	823	—	8.33	
1739	1611	1572	927	905	off curve, off curve	
1743	1312	1306	762	748	8.07, 8.06	
1669	654	680	392	408	6.73, 6.81	
1705	1438	1459	842	855	8.40, 8.44	
1686	1422	1381	843	819	8.40, 8.31	
1715	1274	1286	743	749	8.04, 8.06	
1713	1155	1143	674	667	7.80, 7.77	
1714	1126	1149	657	670	7.75, 7.78	
1683	1498	—	887	—	8.55	977 ✗
1760	1523	—	867	—	8.49	
1701	833	822	489	484	7.15, 7.14	
1709	1530	1577	896	923	8.57, off curve	
1731	1540	—	890	—	8.56	
1734	784	783	462	451	7.02, 7.01	
1742	128	131	73	75	4.80, 4.83	
1693	1523	1511	900	892	off curve, 8.56	
1670	1065	1109	638	664	7.68, 7.77	
1711	1411	1441	826	842	8.34, 8.39	
1690	1483	1637	877	908	8.53, off curve	
1732	1496	—	863	—	8.47	
1719	1609	1542	935	898	off curve, off curve	
1711	1217	1218	712	711	7.94, 7.93	
1776	1420	—	801	—	8.24	958 ✗
1732	854	908	493	524	7.17, 7.27	
1677	1139	—	678	—	7.52	
1690	904	—	535	—	7.33	1208 ✗
1689	1170	—	693	—	7.87	1166 ✓
1710	297	287	174	168	5.57, 5.53	
1686	1422	1435	844	851	8.41, 8.43	

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New Series

D/gP - RH 695 - Aug 29, 1929

Strip	Class	Star	y	x	Defl.	Defl.	Cl.	Dk.	volts
	p	289	2282	090	1570	1640	1805	120	
	p	114	2280	620	1119	—	1809	119	
	p	290	2281	641	1329	1351	1830	117	
	p	115	2280	781	1608	—	1852	119	
	p	116	2280	901	1529	—	1841	120	
	p	117	2280	991	1741	—	1859	120	
	p	291	2291	1242	680	662	1880	118	
23.0	p	292	2307	290	1243	1250	1772	117	
	p	293	2310	651	1675	1649	1808	119	
	p	294	2310	662	1611	1602	1840	120	
	p	295	2300	689	1609	1620	1791	120	
	p	296	2310	919	1601	1592	1837	121	
	p	118	2300	989	870	—	1832	121	
	p	297	2301	1109	987	991	1821	121	
	p	119	2301	1137	1393	—	1840	121	
	p	298	2310	1167	1689	1710	1829	121	
	p	12	2012	678	139	—	1723	126	
		1	2320	871	190	—	1811	120	
		2	—	—	340	—	1812	120	
		3	—	—	510	—	1792	120	
		4	—	—	440	—	1808	120	
		5	—	—	685	—	1803	120	
		6	—	—	952	—	1830	120	
		7	—	—	1055	—	1851	120	
		8	—	—	1538	—	1821	120	515

Con in Bk 68, P 162

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1929phao.proj.127C

Cl.-Db.	Defl.-Db.	Defl.-Db.	Reduced	Reduced	Magn.	L. Ko.
1685	1450	1520	860	907	8.46, off curve	
1690	1000	—	592	—	7.53	1109 ✓
1713	1212	1234	708	721	7.92, 7.97	
1733	1484	—	859	—	8.46	975 ?✗
1721	1409	—	819	—	8.31	893 ✓
1739	1621	—	934	—	off curve	
1762	562	544	319	309	6.42, 6.37	
1655	1126	1133	681	685	7.33, 7.84	
1689	1556	1530	922	906	off curve, off curve	
1720	1491	1482	868	863	8.49, 8.47	
1671	1489	1500	889	897	8.56, 8.57	
1716	1480	1471	863	858	8.47, 8.44	
1711	749	—	437	—	6.94	
1700	866	870	570	573	7.23, 7.24	
1719	1272	—	740	—	8.03	791 ✗
1708	1568	1589	917	929	off curve, off curve	
1603	19	—	12	—		
1691	70	—	41	—		
1692	220	—	130	—		
1672	390	—	233	—		
1688	320	—	190	—		
1683	565	—	336	—		
1710	832	—	487	—		
1731	935	—	541	—		
1701	1418	—	833	—		

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148 Cop. from O. 952 A. J. P. - R. H. 865 - August 31, 1929

New Series

Strip	Class	Star	y	x	Defl.	Defl.	Cl.	Dk.	volts
	p	9	1534	899	1398	—	1511	104	
	p	14	1529	1123	1262	1914	1650	107	
15.4	p	15	1550	989	1393	1325	1609	110	
	p	16	1549	1037	1458	1470	1620	109	
15.6	p	10	1560	627	1267	—	1619	114	
	p	17	1569	629	1342	1390	1619	117	
	p	18	1569	729	1531	1542	1600	118	
	p	19	1570	868	1278	1799	1581	117	
	p	11	1570	950	1155	—	1590	117	
	p	12	1571	1039	1470	—	1587	118	
	p	20	1561	1049	1349	1350	1603	117	
	p	13	1571	1061	1490	—	1612	119	
	p	21	1573	1221	1152	1189	1619	118	
15.8	p	14	1580	610	1162	—	1611	118	
	p	22	1590	780	1480	1481	1599	120	
	p	23	1580	798	1458	1491	1601	119	
	p	24	1580	818	1219	1293	1557	118	
	p	15	1590	1119	1360	—	1618	120	
	p	16	1591	1170	1290	—	1623	120	
	p	25	1590	1203	890	911	1622	120	
16.0	p	26	1610	620	1471	1490	1601	120	
	p	17	1607	600	1390	—	1550	120	
	p	27	1601	672	1513	1513	1573	120	
	p	28	1600	722	1427	1433	1590	121	
	p	29	1601	743	1451	1471	1595	121	
	p	30	1603	809	1210	1210	1603	121	
	p	31	1600	1005	1539	1521	1595	121	
	p	18	1602	1039	1483	—	1590	121	
	p	32	1600	1148	1527	1518	1623	120	
	p	33	1602	1151	1529	1510	1603	123	

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Cl.-Pk.	Defl.-Pk.	Defl.-Pk.	Reduced	Reduced	Magn.	L. No.
1407	1294	—	920	—	off curve	1176 x
1543	1155	1207	748	782	6.67, 6.93	
1499	1203	1215	802	811	7.13, 7.23	
1511	1349	1361	892	901	8.53, off curve	
1505	1153	—	766	—	6.80	1043 x
1502	1225	1213	817	807	7.26, 7.17	
1482	1413	1424	953	962	off curve, off curve	
1464	1161	1182	794	807	7.05, 7.17	
1483	1038	—	700	—	6.30	1208 x
1469	1352	—	920	—	off curve	
1486	1232	1233	829	830	7.43, 7.44	
1493	1371	—	919	—	off curve	
1501	1034	1071	688	714	6.20, 6.44	
1493	1044	—	700	—	6.30	1030 x
1479	1360	1361	921	922	off curve, off curve	
1482	1339	1372	903	926	off curve, off curve	
1489	1101	1115	766	776	6.80, 6.88	
1498	1240	—	827	—	7.43	8 x
1503	1170	—	778	—	6.91	23 x
1502	770	791	512	527	4.84, 4.98	
1481	1351	1370	913	925	off curve, off curve	
1430	1210	—	847	—	7.69	1044 x
1453	1383	1393	952	959	off curve, off curve	
1469	1306	1312	890	894	8.50, 8.55	
1474	1330	1350	902	916	off curve, off curve	
1482	1089	1089	734	734	7.07, 7.07	
1474	1418	1400	960	948	off curve, off curve	
1469	1362	—	928	—	off curve	
1500	1404	1395	936	930	off curve, off curve	
1480	1406	1387	950	937	off curve, off curve	

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N gp - R 44 865 - Aug 31, 1929

New Series

Ship	Class	Star			Defl.	Defl.	Cl.	Db.	Volt.
	p	19	1600	1169	1369	—	1629	122	
		34	1601	1249	1410	1474	1619	123	
		35	1610	1277	1210	1240	1631	122	
		36	1610	1307	1608	1573	1668	123	
16.2		37	1618	570	1505	1508	1620	127	
	p	20	1617	580	1470	—	1611	123	
		21	1632	750	1481	—	1603	120	
		38	1618	989	1335	1354	1592	126	
		39	1620	1009	1380	1404	1609	127	
	p	22	1618	1081	1452	—	1602	127	
	p	23	1630	1162	1540	—	1627	129	
	p	24	1621	1217	1130	—	1640	127	
16.4		40	1642	593	1404	1383	1620	129	
		41	1653	638	1423	1431	1613	130	
	p	25	1640	881	1336	—	1590	130	
	p	26	1640	997	1452	—	1605	130	
		42	1640	1022	1398	1430	1610	131	
		43	1650	1041	1510	1550	1610	131	
		11	1960	947	547	—	1462	129	
		1	1882	589	869	—	1639	129	
		2	—	—	940	—	1610	130	
		3	—	—	1020	—	1530	129	
		4	—	—	1120	—	1632	130	
		5	—	—	1179	—	1606	130	
		6	—	—	1293	—	1570	130	
		7	—	—	1311	—	1570	130	
		8	—	—	1432	—	1607	130	530

Cont on fg. 154

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1929phae.proj.167C

Cl.-Db.	Defl.-Db.	Defl.-Db.	Reduced	Reduced	Magn.	N. Ho
1507	1247	—	827	—	7.42	
1496	1347	1351	900	903	off curve, off curve	
1509	1088	1118	720	740	6.46, 6.60	
1545	1485	1450	962	938	off curve, off curve	
1493	1378	1381	923	925	off curve, off curve	
1488	1347	—	905	—	off curve	
1478	1356	—	918	—	off curve	
1466	1209	1228	825	837	7.41, 7.55	
1482	1253	1277	847	862	7.70, 7.93	
1475	1325	—	898	—	8.64	
1498	1411	—	942	—	off curve	
1513	1003	—	664	—	6.04	51 x
1491	1275	1254	854	841	7.81, 7.60	
1483	1293	1301	872	878	8.12, 8.21	
1460	1206	—	826	—	7.40	1166 v
1475	1322	—	896	—	8.61	1244 v
1479	1267	1299	857	878	7.86, 8.21	
1479	1379	1419	932	959	off curve, off curve	
1333	418	—	314	—		
1510	740	—	490	—		
1480	810	—	547	—		
1401	891	—	636	—		
1502	990	—	659	—		
1476	1049	—	710	—		
1440	1163	—	808	—		
1440	1181	—	821	—		
1477	1302	—	881	—		

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1929phae.proj.127C

New Series

Ngc R.A. 865 - Aug 21, 1929

strip	class	Star	y	x	Deff.	Deff.	Cl.	Hr.	volts
		10	1960	947	522	—	1520	079	520
		1	1882	589	893	—	1601	080	
		2	—	—	906	—	1550	081	
		3	—	—	999	—	1533	081	
		4	—	—	1071	—	1611	081	
		5	—	—	1159	—	1580	081	
		6	—	—	1258	—	1542	082	
		7	—	—	1270	—	1540	082	
		8	—	—	1404	—	1579	083	
14.4	p	11	1444	810	1142	—	1489	083	
	p	1	1441	847	1505	1499	1612	089	
	p	2	1440	907	1412	1413	1629	089	
	p	3	1438	930	1557	1531	1629	090	
	p	4	1430	979	619	694	1600	088	
14.6	p	2	1470	800	1469	—	1613	091	
	p	3	1478	971	960	—	1616	091	
14.8	p	4	1480	741	1390	—	1613	091	
	p	5	1481	887	1261	—	1620	091	
	p	6	1478	1019	1293	—	1620	092	
	p	5	1482	1118	1412	1418	1643	093	
15.0	p	6	1500	847	833	860	1622	100	
	p	7	1509	942	1503	1490	1611	100	
	p	7	1511	952	1419	—	1619	100	
	p	8	1510	979	1180	1178	1621	101	
	p	9	1502	1134	1440	1467	1633	102	
15.2	p	10	1517	620	814	922	1289	101	
	p	11	1529	689	940	960	1610	101	
	p	8	1532	688	1503	—	1601	101	
	p	12	1533	771	1522	1531	1605	104	
	p	13	1521	824	1457	1463	1607	104	

Con. on Page 148

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1929plate.proj.1267C

Cl.-Db.	Defl.-Db.	Defl.-Db.	Reduced	Reduced	Magn.	Ld. Ko.
1441	443	—	307	—		
1521	753	—	496	—		
1469	825	—	562	—		
1452	918	—	633	—		
1530	990	—	647	—		
1499	1078	—	720	—		
1460	1176	—	805	—		
1458	1188	—	815	—		
1496	1321	—	884	—		
1356	1059	—	782	—		1141 ✗
1523	1416	1410	928	925	off curve, off curve	
1540	1323	1324	860	861	7.88, 7.89	
1539	1467	1441	954	939	off curve, off curve	
1512	531	606	352	401	3.04, 3.62	
1522	1378	—	905	—	off curve	~~1111~~
1525	869	—	570	—	5.31	1214 ✗ 1110
1522	1299	—	852	—	7.76	~~1214~~ ✗ 1104
1529	1170	—	766	—	6.80	~~1110~~? ✗
1528	1201	—	787	—	6.98	
1550	1319	1325	857	865	7.76, 7.80	
1522	733	760	482	499	4.65, 4.73	
1511	1403	1390	927	918	off curve, off curve	
1519	1319	—	869	—	8.04	1201 ✗
1520	1079	1077	710	708	6.39, 6.38	
1531	1338	1365	873	892	8.12, 8.53	
1188	713	821	601	692	5.55, 6.24	
1509	839	859	556	570	5.22, 5.31	
1508	1402	—	935	—	off curve	
1501	1418	1427	942	949	off curve, off curve	
1503	1353	1359	901	903	off curve, off curve	

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FMC RH865 Sept 3, 1929

New Series

trip	class	star	y	x	Defe	Defl	cl	Dk	Vch
		11	1960	860	390	—	1405	050	5.09
		1	1882	503	651	—	1450	050	
		2	—	—	740	—	1430	050	
		3	—	—	815	—	1401	050	
		4	—	—	908	—	1461	050	
		5	—	—	969	—	1428	050	
		6	—	—	1111	—	1389	050	
		7	—	—	1120	—	1400	050	
		8	—	—	1262	—	1438	050	
16.6	f	44	1668	595	1219	1239	1421	058	
	f	45	1671	658	1120	1129	1430	055	
	f	27	1675	900	1000	—	1421	055	
	f	28	1659	913	1070	—	1399	053	
	f	29	1670	1070	1269	—	1460	058	
16.8	f	46	1682	620	1317	1335	1430	058	
	f	47	1698	651	1270	1260	1419	060	
	f	30	1690	900	1151	—	1420	059	
	f	48	1680	949	1041	1052	1425	060	
	f	49	1689	978	1305	1288	1435	060	
	f	31	1690	1015	1329	—	1460	060	
	f	50	1689	1263	1315	1328	1500	060	
17.0	f	67	1713	429	1129	1160	1460	060	
	f	52	1719	500	700	705	1445	060	
	f	53	1710	510	1359	1360	1449	060	
	f	54	1701	550	1160	1242	1450	062	
	f	55	1700	695	1190	1192	1430	062	
	f	56	1711	740 709	932 1110	950	1400	062	
17.2	f	32	1730	~~1110~~	~~1439~~	—	1439	068	
	f	57	1738	908	552	591	1410	065	
	f	58	1732	961	1195	1200	1429	063	

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1929phot.proj.1267C

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. Ko.
1355	340	—	251	—		
1400	601	—	429	—		
1380	690	—	501	—		
1351	765	—	566	—		
1411	858	—	609	—		
1378	919	—	666	—		
1339	1061	—	794	—		
1350	1070	—	793	—		
1388	1212	—	874	—		
1368	1166	1186	852	866	8.04, 8.17	
1375	1065	1074	774	781	7.35, 7.40	
1366	945	—	692	—	6.67	1242 ✓
1346	1017	—	756	—	705	1251 ✓
1402	1211	—	864	—	8.16	
1372	1259	1277	915	928	8.67, off curve	
1359	1210	1200	891	884	8.42, 8.36	
1361	1092	—	803	—	7.44	1246 ✓
1365	1011	992	740	726	7.05, 6.94	
1375	1245	1228	905	893	8.58, 8.43	
1400	1269	—	906	—	off curve	g ✓
1440	1255	1268	873	895	8.24, 8.46	
1400	1069	1060	763	757	7.23, 7.18	
1385	640	645	462	466	4.71, 4.75	
1389	1299	1300	935	937	off curve, off curve	
1388	1098	1180	791	850	7.50, 8.03	
1368	1128	1130	825	827	7.80, 7.82	
1338	870	888	657	664	6.34, 6.46	
1371	1042	—	760	—	7.07	1109 ✓
1345	487	506	363	377	3.71, 3.84	
1366	1132	1137	830	833	7.84, 7.87	

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FMC RH 865 Sept. 3, 1929

New Series

trip	class	star	y	x	Dyff	Dyff	d	Dk	Volt
17.2	f	59	1730	1085	1279	1280	1455	062	
	p	33	1730	1152	1272	—	1459	065	
	p	34	1721	1315	1270	—	1505	069	
17.4	p	35	1750	290	1299	—	1470	068	
	f	60	1740	452	1259	1270	1450	065	
	f	61	1740	770	1091	1089	1340	069	
	f	62	1746	808	940	940	1420	069	
	p	36	1740	819	1240	—	1419	067	
	p	37	1748	921	1189	—	1408	070	
	p	63	1750	929	1229	1250	1365	070	
	f	38	1740	1035	798	—	1449	070	
	f	64	1750	1100	1168	1200	1451	070	
	f	65	1739	1230	752 860	780	1480	070	
		K	1960	860	385	—	1402	070	
		1	1882	503	681	—	1450	070	
		2	—	—	750	—	1428	070	
		3	—	—	850	—	1405	070	
		4	—	—	902	—	1460	070	
		5	—	—	990	—	1425	070	
		6	—	—	1110	—	1385	070	
		7	—	—	1130	—	1397	070	
		8	—	—	1258	—	1409	070	

Appr RH 865 — Sept 3, 1929

	10	1960	860	398	—	1459	050	515
	1	1882	503	761	—	1540	048	
	2	—	—	808	—	1503	051	
	3	—	—	893	—	1462	053	
	4	—	—	976	—	1545	053	
	5	—	—	1051	—	1501	053	
	6	—	—	1189	—	1471	056	

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1929phae.proj.1967c

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1393	1217	1218	874	875	8.25, 8.26	
1394	1207	—	865	—	8.20	90 ✗
1436	1201	—	837	—	7.81	
1402	1231	—	878	—	8.39	3a ✗
1385	1194	1205	862	871	8.13, 8.22	
1271	1022	1020	805	803	7.61, 7.60	
1351	871	871	645	645	6.30, 6.30	
1352	1173	—	868	—	8.25	1139 ✓
1338	1119	—	835	—	7.77	✓
1295	1159	1180	894	910	8.45, 8.62	
1379	728	—	528	—	5.39	56 ✓
1381	1098	1130	795	818	7.54, 7.73	
1410	682	710	484	503	4.99, 5.20	
1332	315	—	236	—		
1380	611	—	443	—		
1358	680	—	502	—		
1335	780	—	584	—		
1390	832	—	599	—		
1355	920	—	679	—		
1316	1040	—	791	—		
1327	1060	—	798	—		
1359	1188	—	875	—		
1409	348	—	247	—		
1492	713	—	477	—		
1452	757	—	522	—		
1409	840	—	597	—		
1492	923	—	618	—		
1448	998	—	690	—		
1415	1133	—	802	—		

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Zgp - R H 865 - Sept 3, 1929

Strip	Class	Star	y	d	Diff	Diff	Cl	dk	Dots
		7	—	—	1189	—	1472	060	
		8	—	—	1335	—	1508	061	
17.6		36	1775	309	1369	1383	1547	066	
		39	1759	365	1252	—	1540	069	
		61	1758	420	1272	1293	1533	071	
		68	1762	639	1379	1391	1480	069	
		69	1759	780	1362	1382	1457	070	
		70	1773	788	1253	1268	1483	071	
		71	1772	802	1249	1257	1479	071	
		72	1770	820	1000	1030	1500	071	
		73	1769	828	1390	1402	1480	072	
		40	1770	973	1409	—	1509	071	
		74	1769	989	1323	1321	1500	071	
		75	1770	1021	1372	1388	1521	074	
		76	1760	1041	1171	1203	1520	073	
		41	1755	1316	1302	—	1580	081	
		77	1760	1322	1001	1014	1586	081	
17.8		78	1781	350	1398	1420	1532	081	
		42	1795	352	1377	—	1539	081	
		79	1791	521	856	879	1530	082	
		80	1782	537	1402	1430	1519	084	
		81	1785	565	1320	1319	1520	091	
		82	1780	600	1080	1083	1520	089	
		83	1790	810	1269	1269	1497	089	
		84	1790	942	1393	1372	1499	089	
		85	1780	1039	1422	1453	1522	089	
		86	1779	1327	1372	1382	1597	091	
18.0		87	1806	369	1303	1316	1570	095	
		88	1810	435	1462	1451	1538	093	
		89	1808	634	1399	1409	1499	098	

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1929phae.proj.167c

α. -Sk.	Defl. -Dk.	Defl. -Dk.	Reduced	Reduced	Mags. L. Ks.
1412	1129	—	799	—	
1447	1274	—	880	—	
1481	1303	1317	880	888	8.39, 8.47
1471	1183	—	804	—	7.35 926×
1462	1201	1222	822	836	7.71, 7.85
1411	1310	1322	928	937	off curve, off curve
1387	1292	1312	931	945	off curve, off curve
1412	1182	1197	838	848	7.87, 7.98
1408	1178	1186	836	842	7.85, 7.92
1429	929	959	651	671	6.02, 6.17
1408	1318	1330	935	944	off curve, off curve
1438	1338	—	930	—	off curve
1429	1252	1250	876	875	8.32, 8.31
1447	1298	1314	896	909	8.55, 8.70
1447	1098	1130	760	782	6.99, 7.24
1499	1221	—	815	—	7.46 135×
1505	920	933	612	620	5.65, 5.79
1451	1317	1339	907	922	8.69, 8.90
1458	1296	—	888	—	8.37
1448	774	791	535	547	5.22, 5.28
1435	1318	1346	917	937	8.84, off curve
1429	1229	1228	861	860	8.14, 8.13
1431	991	994	693	695	6.34, 6.36
1408	1180	1180	838	838	7.88, 7.88
1410	1304	1283	925	911	8.95, 8.78
1433	1333	1364	932	953	off curve, off curve
1506	1281	1292	851	859	8.03, 8.10
1445	1208	1221	835	845	7.85, 7.98
1445	1369	1358	947	940	off curve, off curve
1401	1301	1311	928	936	8.97, off curve

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1929phae.proj.127C

New Series

Agp - RH 865 - Sept 3, 1929

Strip	Class	Star	y	x	Diff.	Diff.	Cl.	Dk	Plate
		90	1810	728	1382	1391	1508	095	
		91	1812	760	1079	1074	1487	093	
		43	1810	790	1188	—	1498	097	
		92	1810	872	1378	1368	1500	097	
		44	1803	984	1123	—	1520	098	
		45	1800	1141	1281	—	1570	101	
		93	1802	1192	1208	1221	1570	101	
18.2		94	1820	369	1467	1457	1563	101	
		95	1838	422	1462	1459	1548	104	
		46	1839	431	1290	—	1552	103	
		96	1830	529	739	733	1527	100	
		47	1830	534	1357	—	1550	100	
		97	1820	628	1479	1462	1521	110	
		98	1820	733	1425	1447	1519	110	
		99	1829	971	1453	1450	1529	108	
		100	1819	1011	1022	1039	1533	108	
		48	1837	1038	1392	—	1550	106	
		101	1821	1090	1377	1357	1557	109	
		102	1870	1169	1420	1423	1572	110	
		10	1960	860	481	—	1408	102	
		1	1882	503	830	—	1559	107	
		2	—	—	897	—	1528	103	
		3	—	—	971	—	1493	107	
		4	—	—	1063	—	1567	106	
		5	—	—	1111	—	1523	103	
		6	—	—	1220	—	1490	104	
		7	—	—	1297	—	1493	109	
		8	—	—	1364	—	1523	109	515

Cont. in Book 68 Page 170

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1929phae.proj.126C

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1413	1287	1296	911	918	8.76, 8.85	
1394	986	1001	708	718	6.48, 6.67	
1401	1091	—	779	—	7.03	1171 y
1403	1281	1271	914	906	8.81, 8.67	
1427	1030	—	723	—	6.53	62 v
1469	1180	—	804	—	7.34	118 v
1469	1107	1120	755	763	6.94, 7.03	
1462	1366	1356	934	928	off curve, 8.53	
1444	1358	1355	940	938	off curve, off curve	
1449	1187	—	819	—	7.50	907 ? v
1427	639	633	447	444	4.39, 4.37	
1456	1257	—	866	—	8.07	948 v
1411	1369	1352	970	958	off curve, off curve	
1409	1315	1337	933	948	off curve, off curve	
1421	1345	1342	946	944	off curve, off curve	
1425	914	931	641	654	5.95, 6.04	
1444	1286	—	890	—	8.40	
1448	1268	1242	875	858	8.31, 8.23	
1462	1310	1313	896	899	8.56, 8.59	
1306	379	—	290	—		
1462	723	—	497	—		
1425	794	—	557	—		
1386	864	—	623	—		
1461	957	—	655	—		
1420	1008	—	716	—		
1386	1116	—	805	—		
1384	1128	—	815	—		
1414	1255	—	887	—		

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1929phae.proj.127c

FMC RH 865 Sept. 5, 1929

Red Series

(cont. from Book 66, Page 174

Strip	Class	Star	y	z	Diff.	Diff.	Cl.	Dk Plate
		18	1960	941	270	—	1330	001
		1	1882	589	541	—	1361	001
		2	—	—	608	—	1340	001
		3	—	—	662	—	1318	001
		4	—	—	745	—	1373	002
		5	—	—	835	—	1388	004
		6	—	—	1002	—	1299	002
		7	—	—	1001	—	1312	005
		8	—	—	1161	—	1350	009
19.2		136	1920	340	1187	1201	1405	010
		137	1931	531	940	942	1390	010
		63	1931	600	1190	—	1399	010
		138	1930	698	1191	1190	1373	010
		139	1932	740	1190	1200	1362	011
		140	1930	769	1038	1040	1365	011
		141	1939	874	1159	1140	1342	011
~~19.4~~		142	1922	1000	1254	1250	1340	013
		64	1930	1009	1181	—	1360	015
		143	1925	1042	1075	1093	1370	014
		144	1935	1230	1201	1203	1392	012
19.4		145	1950	340	1263	1275	1402	018
		146	1951	540	1278	1290	1401	019
		147	1958	659	1162	1180	1368	019
		148	1951	742	912	939	1360	019
		149	1942	863	1050 28	1022	1360	012
		150	1950	910	1220	1260	1362	020
		151	1948	950	841	859	1360	020
		152	1940	1060	930	950	1371	020
		153	1940	1252	1250	1245	1410	020
		154	1952	1305	1183	1162	1405	020
		155	1940	1400	1080	1084	1420	020

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1929phae.proj.126c

Cl.-Dk.	Defl.-Dk	Defl.-Dk	Reduced	Reduced	Magn.	L.Ko.
1329	269	—	202	—		
1360	540	—	397	—		
1339	607	—	455	—		
1317	661	—	502	—		
1371	743	—	542	—		
1334	891	—	623	—		
1297	1080	—	772	—		
1307	996	—	763	—		
1341	1152	—	869	—		
1395	1177	1191	844	854	8.15, 8.29	
1380	930	932	673	676	6.63, 6.65	
1389	1180	—	857	—	8.35	893
1363	1181	1180	868	867	8.47, 8.46	
1361	1179	1189	872	880	8.54, off curve	
1354	1027	1029	758	760	7.25, 7.26	
1331	1148	1129	862	847	8.40, 8.18	
1327	1241	1237	935	932	off curve, off curve	
1345	1166	—	867	—	8.48	105
1356	1061	1079	783	795	7.48, 7.59	
1380	1189	1191	861	863	8.39, 8.41	
1384	1245	1257	899	907	off curve, off curve	
1382	1259	1271	910	919	off curve, off curve	
1349	1143	1161	848	861	8.20, 8.38	
1341	893	920	66	686	6.57, 6.71	
1348	1016	1010	753	748	7.22, 7.18	
1342	1200	1246	894	924	off curve, off curve	
1340	821	839	613	626	6.23, 6.32	
1351	910	930	674	689	6.65, 6.74	
1390	1230	1225	885	882	off curve, off curve	
1385	1163	1142	841	825	8.11, 7.93	
1400	1060	1064	758	761	7.25, 7.29	

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1929phae.proj.127C

FMC R + 865 Sept 5, 1929

New Series

Strip	Class	Star	y	x	Defl	Defl	cl	Dk	Volt
19.4	f	156	1950	1460	1120	1130	1438	022	
19.6	f	65	1971	303	1055	—	1425	022	
	f	157	1969	319	1281	1265	1415	022	
	f	158	1978	571	1180	1180	1418	022	
	f	159	1960	670	1042	1062	1382	023	
	f	66	1962	800	1129	—	1380	023	
	f	160	1971	1106	1160	1180	1392	022	
	f	161	1965	1250	1161	1170	1418	022	
	f	162	1970	1468	1189	1217	1439	020	
19.8	f	163	1980	600	1231	1268	1419	021	
	f	67	1981	1190	791	—	1400	022	
	f	164	1980	1351	1149	1140	1440	022	
20.0	f	165	2008	360	930	935	1429	024	
	f	166	2015	891	1221	1220	1379	025	
	f	167	2010	1040	1201	1210	1930	025	
	f	168	2010	1162	1020	1049	1402	028	
	f	169	2008	1288	1298	1311	1430	022	
	f	170	2010	1491	1010	1000	1450	021	
20.2	f	171	2023	420	1205	1218	1380	022	
	f	172	2039	581	621	620	1420	022	
	f	173	2023	660	1203	1222	1400	029	
	f	174	2038	892	1211	1228	1370	029	
	f	175	2025	898	1151	1155	1375	030	
	f	68	2028	1290	920	—	1431	029	
	f	69	2031	1389	1340	—	1452	030	
	f	70	2021	1450	570	—	1459	021	
	f	71	2030	1495	710	—	1469	020	
20.4	f	72	2051	300	1140	—	1328	029	
	f	73	2050	390	1282	—	1435	029	
	f	74	2051	458	920	—	1290	029	

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1929phae.proj.127c

R. -Dk.	Dafl. -Dk.	Dafl. -Dk	Reduced	Reduced	Magn.	L. No.	
1416	1098	1108	775	782	7.39, 7.46		
1403	1093	—	737	—	7.08	844 ×	
1393	1259	1243	903	892	off curve, off curve		
1396	1158	1158	830	830	7.99, 7.99		
1359	1019	1039	750	765	7.19, 7.31		
1357	1106	—	816	—	7.85	2?? ×	
1370	1138	1158	830	845	8.00, 8.15		
1396	1139	1148	818	823	1.83, 7.91		
1419	1169	1197	824	843	7.93, 8.13		
1398	1210	1247	866	893	8.45, off curve		
1378	769	—	557	—	?	205 ✓	mag?
1418	1127	1118	795	788	7.59, 7.52		
1405	906	911	646	649	6.44, 6.46		
1354	1196	1195	883	882	off curve, off curve		
1305	1176	1185	900	908	off curve, off curve		
1374	992	1021	721	742	6.98, 7.13		
1408	1276	1289	905	915	off curve, off curve		
1429	989	979	693	686	6.75, 6.71		
1358	1183	1196	871	881	8.51, off curve		
1398	599	598	428	427	5.14, 5.13		
1371	1174	1193	867	870	8.31, 8.49		
1341	1182	1199	882	893	off curve, off curve		
1345	1121	1125	834	837	8.04, 8.07		
1402	891	—	636	—	6.38	240 ✓	
1422	1310	—	922	—	off curve		
1438	549	—	382	—	4.78	239 ×	
1449	690	—	477	—	5.40	242 ×	
1299	1111	—	855	—	8.29	809 ×	
1406	1163	—	821	—	7.90		
1261	891	—	707	—	6.87	805 ✓	

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FMC RH 865 Sept 5, 1929

New Series

strip	class	star	y	y	Dyc	Dyc	cl	Dk	Vol
20.4	1	176	2049	659	1109	1110	1268	025	
	1	177	2041	701	1090	1100	1262	028	
	1	178	2052	978	1045	1045	1250	021	
		15	1960	941	245		1240	028	
		1	1882	589	562	—	1281	019	
		2	—	—	582	—	1259	021	
		3	—	—	654	—	1230	020	
		4	—	—	731	—	1280	020	
		5	—	—	820	—	1259	020	
		6	—	—	940	—	1210	020	
		7	—	—	952	—	1222	020	
		8	—	—	1080	—	1252	020	

cont. in Book 68, Page 174

cont. from Book 68, Page

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Cl-Sk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	J. K.
1243	1084	1085	872	873	8.53, 8.54	
1234	1062	1072	860	867	8.36, 8.47	
1229	1024	1024	835	835	8.05, 8.05	
1212	217	—	179	—		
1262	543	—	431	—		
1238	561	—	453	—		
1210	684	—	525	—		
1260	711	—	564	—		
1239	800	—	647	—		
1190	920	—	773	—		
1202	932	—	776	—		
1232	1060	—	860	—		

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FMC RH866 Sept 9, 1929

New series

Mag	class	Star	y	x	Dec	Dec	cl	Dia	Var
		18	1970	958	072	—	1101	0—	4.98
		1	1908	599	308	—	1140	0—	
		2	—	—	380	—	1110	0—	
		3	—	—	459	—	1089	0—	
		4	—	—	500	—	1131	0—	
		5	—	—	590	—	1119	0—	
		6	—	—	713	—	1089	0—	
		7	—	—	750	—	1119	0—	
		8	—	—	949	—	1118	0—	
14.4	f	1	1449	972	268	269	1110	0—	
14.6	f	1	1460	806	682	—	1112	0—	
	f	2	1459	961	890	910	1110	0—	
14.8	f	2	1490	798	950	—	1107	0—	
	f	3	1499	882	775	—	1092	0—	
	f	4	1489	970	478	—	1125	0—	
	f	5	1488	1013	801	—	1125	0—	
15.0	f	3	1518	841	400	380	1120	0—	
15.2	f	6	1523	950	911	—	1118	0—	
	f	4	1526	975	731	749	1124	0—	
15.4	f	5	1547	683	520	525	1101	0—	
	f	7	1550	899	903	—	1110	0—	
	f	6	1540	1120	783	817	1145	0—	
15.6	f	7	1562	988	819	830	1125	0—	
	f	8	1561	1031	990	980	1110	0—	
15.8	f	9	1588	622	897	870	1110	0—	
	f	8	1580	623	801	—	1110	0—	
	f	10	1584	862	899	840	1121	0—	
	f	9	1580	950	730	—	1115	0—	
	f	11	1579	1048	810	820	1110	0—	
	f	12	1589	1220	689	700	1119	0—	

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1929phae.proj.127C

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L No.
1101	072	—	65	—		
1140	308	—	271	—		
1110	380	—	343	—		
1089	450	—	413	—		
1131	500	—	442	—		
1119	590	—	528	—		
1089	713	—	652	—		
1119	750	—	672	—		
1118	949	—	860	—		
1110	268	269	241	242	4.06, 4.07	~~#44~~
112	682	—	614	—	6.95	1141 x
1110	890	910	802	819	8.04, 8.13	
1107	950	—	864	—	8.36	
1092	775	—	710	—	7.51	1104 x
1126	473	—	421	—	6.65	1214 x
1126	801	—	710	—	7.51	
1120	400	380	358	334	5.19, 5.20	
1118	911	—	814	—	8.01	1201 x
1124	781	749	650	666	7.14, 7.24	
1101	520	525	472	476	5.96, 5.98	
1110	903	—	812	—	8.09	1176 x
1145	783	817	684	710	7.35, 7.52	
1125	819	830	730	739	7.62, 7.67	
1110	990	980	894	884	8.64, 8.57	
1110	897	870	808	784	8.06, 7.93	
1110	801	—	721	—		1043 x
1121	839	840	747	748	7.71, 7.72	
1115	730	—	654	—	7.11	1208 x
1110	810	820	728	737	7.60, 7.67	
1119	689	700	616	627	6.95, 7.01	

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1929phae.proj.1267c

FMC RH866 Sept. 9, 1929 Voltmeter 4.9 battery needs charging

MRD

Strip	class	star	y	x	Diff	Diff	cc	Dk	Volt
16.0	p	10	1601	610	660 758	—	1110	0	
	f	13	1600	812	~~779~~	751	1115	0	
	f	11	1610	1040	985	—	1108	0	
	f	12	1599	1119	911	—	1108	0	
	f	13	1603	1169	901	—	1105	0	
	f	14	1599	1170	770	—	1108	0	
	f	14	1605	1200	451	459	1130	0	
	f	15	1600	1288	319	280	1118	0	
16.2	f	16	1638	570	991	1015	1100	0	
	f	15	1629	650	821	—	1068	0	
	f	17	1620	720	958	970	1110	0	
	f	18	1620	805	703	730	1100	0	
	f	19	1630	975	860	861	1105	0	
MRD	f	20	1638	1003	950	969	1107	0	
	p	16	1624	1083	972	—	1114	0	
	p	17	1626	1218	610	—	1130	0	
	f	21	1625	1273	724	750	1110	0	
16.4	p	18	1650	750	1000	—	1100	0	
	p	19	1656	882	820	—	1120	0	
	p	20	1650	1000	953	—	1110	0	
	f	22	1656	1021	920	945	1100	0	
16.6	f	23	1660	592	890	880	1110	0	
	f	24	1670	637	~~980~~	965	1110	0	
	p	21	1669	1000	712	—	1107	0	
		15	1970	958	100	—	1030	0	
		1	1908	599	350	—	1140	0	
		2	—	—	383	—	1120	0	
		3	—	—	460	—	1110	0	
		4	—	—	550	—	1140	0	
		5	—	—	630	—	1130	0	

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1929plate.proj.126c

Cl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.		L No.
1110	660	—	594	—	6.84	1030 x
1115	758	767	680	673	7.33, 7.29	
1108	985	—	888	—	8.58	8
1108	911	—	821	—	8.15	8 x
1105	901	—	816	—	8.11	
1108	770	—	696	—	7.43	23 x
1130	451	454	399	406	5.50, 5.55	
1113	319	280	287	252	4.50, 4.18	
1100	991	1015	900	921	8.67, diffuse	
1068	821	—	768	—	7.83	1044 x
1110	958	970	861	874	8.41, 8.50	
1100	703	730	639	663	7.07, 7.22	
1105	860	861	784	785	7.94, 7.95	
1107	950	969	857	873	8.37, 8.50	
1114	972	—	873	—	8.49	
1130	610	—	541	—	6.54	51 x
1110	724	750	652	674	7.16, 7.31	
1100	1000	—	908	—	8.71	
1120	820	—	732	—	7.64	1166 v
1110	953	—	856	—	8.37	1244 v
1100	920	945	834	858	8.24, 8.38	
1110	890	880	803	794	8.03, 8.00	
1110	930	965	836	868	8.24, 8.95	
1107	712	—	643	—	7.10	1251 v
1030	100	—	97	—		
1140	350	—	307	—		
1120	388	—	342	—		
1110	460	—	413	—		
1140	550	—	483	—		
1130	630	—	557	—		

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1929phae.proj.1267C

MRD. RH866 Sept 9, 1929

Strip	class	Star	y	x	Dyc	Dyc	cc	Dbc	Vdl
		6	~~0.4~~	—	~~7~~50	—	1100	0 —	
		7	—	—	780	—	1130	0 —	
		8	—	—	970	—	1135	0 —	

Cont in Bk 68 p 194

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1929plate.proj.1267c

Cl Dk.	Defl Dk	Defl. Dk	reduced	Reduced	L. No.	L. No
1100	760	—	682	—		
1130	780	—	691	—		
1135	970	—	852	—		

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1929phae.proj.1267C

FMC RH854 Sept 16, 1929

Cont. from 69, 44

trip	class	star	y	x	Dyfl	Dyfl	cl	Dk	Voet
		18	2132	749	490	—	1582	001	
		1	2021	1092	781	—	1530	002	
		2	—	—	810	—	1530	005	
		3	—	—	830	—	1550	008	
		4	—	—	1010	—	1529	008	
		5	—	—	1122	—	1566	009	
		6	—	—	1239	—	1580	010	
		7	—	—	1280	—	1570	009	
		8	—	—	1442	—	1580	009	
21.0	f	124	2100	259	1130	1125	1549	010	
	f	125	2110	260	1157	1150	1551	010	
	f	81	2100	343	1203	—	1551	010	
	f	126	2110	360	1042	1040	1560	010	
	f	127	2111	389	1237	1230	1559	013	
	f	128	2100	408	1460	1453	1560	012	
	f	129	2110	453	1449	1450	1560	012	
	f	130	2100	628	1231	dfict on this 1100	1563	014	
	f	131	2099	700	840	841	1578	016	
	f	82	2101	1031	1034	—	1548	017	
	f	132	2099	1122	1090	1090	1522	015	
	f	133	0098	1220	1377	1370	1507	015	
	f	134	2109	1300	1399	1403	1505	019	
21.2	f	135	2131	356	1383	1370	1551	018	
	f	83	2130	391	1139	—	1558	019	
	f	136	2129	400	1290	1280	1562	019	
	f	137	2130	410	819	818	1565	019	
	f	138	2128	442	998	995	1561	015	
	f	139	2129	465	1355	1349	1571	019	
	f	140	2120	486	890	910	1554	019	
	f	141	2138	505	1090	1080	1540	090	

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1929plate.proj.126C

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	D. Ko.
1581	489	—	309	—		
1528	779	—	510	—		
1525	805	—	528	—		
1542	812	—	528	—		
1521	1002	—	660	—		
1507	1113	—	713	—		
1510	1229	—	812	—		
1561	1271	—	814	—		
1571	1433	—	912	—		
1539	1120	1116	728	734	6.57	6.63
1541	1147	1140	743	738	6.71	6.67
1541	1293	—	838	—		2a x
1550	1032	1030	667	665	6.08	6.07
1546	1224	1217	792	786	7.13	7.07
1548	1448	1441	933	928	8.52	8.47
1548	1437	1438	925	926	8.43	8.44
1549	1217	1086	782	701	7.04	6.38
1562	824	826	528	529	4.99	4.99
1531	1017	—	660			975 x
1507	1075	1075	711	711	6.44	6.44
1492	1362	1365	913	906	8.31	8.20
1486	1380	1384	926	930	8.43	8.49
1533	1365	1362	892	883	8.07	7.98
1539	1120	—	728	—		294 ✓
1543	1271	1261	823	815	7.43	7.36
1536	800	799	521	520	4.93	4.92
1546	983	980	647	644	5.93	5.90
1552	1336	1330	861	856	7.79	7.73
1535	871	891	568	585	5.32	546
1520	1070	1060	705	696	6.40	6.31

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FMC RH 854 Sept 16, 1929

Strip	class	Star	y	x	Diff	Diff	cl	Dk	Volt
21.2	f	142	2130	740	1460	1462	1582	019	
	f	143	2129	990	1441	1435	1560	019	
	f	144	2130	1020	795	781	1538	020	
21.4	f	145	2150	162	1308	1291	1560	020	
	f	146	2151	250	1469	1480	1555	020	
	f	147	2151	350	1080	1087	1565	020	
	f	84	2147	420	1150	—	1550	020	
	f	85	2150	452	1364	—	1558	020	
	f	148	2150	638	1379	1387	1571	020	
	f	149	2170	1000	1281	1277	1554	020	
	f	150	2149	1020	1446	1421	1545	021	
21.6	f	86	2167	230	1180	—	1549	001	
	f	151	2160	314	1199	1211	1539	008	
	f	152	2168	350	1420	1410	1552	010	
	f	153	2179	471	1158	1150	1545	011	
	f	154	2175	482	1415	1410	1541	012	
	f	155	2160	511	1345	1330	1540	011	
	f	156	2171	941	1177	1178	1552	012	
	f	157	2171	983	1449	1442	1540	012	
21.8	f	87	2182	229	1482	—	1572	019	
	f	158	2188	251	1445	1451	1555	013	
	f	159	2192	278	620	642	1549	010	
	f	160	2192	436	1272	1265	1550	010	
	f	161	2180	531	1300	1298	1540	010	
	f	162	2180	608	1400	1403	1569	010	
	f	163	2190	689	1460	1452	1570	012	
	f	88	2191	705	1422	—	1570	012	
	f	164	2182	880	1359	1351	1561	020	
	f	165	2187	1107	1445	1430	1509	020	
	f	166	2182	1285	1409	1408	1511	020	

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1929plate.proj.126C

Cl.-Dk.	Defl.-Dk.	Defl.-Dk	Reduced	Reduced	Mags.	L. No.
1563	1441	1443	920	922	7.88 7.89	
1541	1422	1416	924	918	8.43 8.31	
1518	775	761	511	502	4.86 4.78	
1540	1288	1271	836	823	7.56 7.41	
1585	1444	1460	943	950	8.62 8.71	
1545	1060	1067	690	696	6.28 6.31	
1530	1130	—	738	—		279 v
1588	1344	—	876	—		274 v
1551	1359	1367	876	882	7.90 7.99	
1534	1261	1267	822	818	7.41 7.37	
1524	1425	1400	936	917	8.54 8.84	
1548	1179	—	760	—		297 x
1531	1191	1203	780	789	7.01 7.09	
1642	1410	1400	913	905	8.31 8.21	
1534	1147	1139	749	742	6.76 6.70	
1529	1403	1398	919	914	8.31 8.28	
1529	1334	1319	871	861	7.87 7.79	
1540	1165	1166	759	760	6.84 6.85	
1528	1487	1480	939	933	8.68 8.52	
1553	1463	—	942	—		
1542	1432	1438	927	932	8.47 8.51	
1589	610	632	397	411	off curve, off curve	
1540	1262	1255	820	814	7.39, 7.35	
1530	1290	1288	842	840	7.60 7.59	
1559	1390	1393	893	895	8.09 8.11	
1568	1448	1450	931	933	8.51 8.52	
1568	1410	—	905	—		105 v
1541	1339	1331	868	863	7.83 7.80	
1489	1425	1410	957	946	8.18 8.66	
1490	1389	1388	932	931	8.51 8.51	

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1929phae.proj.1267C

178 MRD BH 8 54 Sept 16, 1929.

Stub	class	star	y	x	Dyff	Dyff	d	Dk	volt
MRD 22.0	f	167	2210	365	932	920	1567	021	
	f	168	2200	370	1420	1410	1575	022	
	f	169	2198	390	1240	1235	1570	022	
	f	170	2200	412	1393	1400	1572	023	
	f	171	2210	420	1123	1120	1570	030	
	f	172	2197	934	1274	1262	1563	020	
	f	173	2203	1009	1350	1358	1552	020	
	f	174	2210	1099	1407	1405	1545	021	
	f	175	2200	1130	1448	1442	1541	020	
	f	176	2200	1312	1350	1370	1535	020	
22.2	f	177	2219	171	340	335	1510	025	
	f	178	2220	323	1130	1120	1550	027	
	p	89	2220	340	1225	—	1559	026	
	f	179	2219	341	860	830	1570	028	
	f	180	2231	350	1050	1042	1560	027	
	f	181	2220	364	922	915	1570	030	
	f	182	2225	376	1320	1300	1570	032	
	f	183	2226	630	1080 (Quite near star)	1170	1590	033	
	p	90	2230	880	1285	—	1570	033	
	f	184	2219	900	1208	1198	1575	035	
	f	185	2219	901	1440	1425	1578	035	
	f	186	2230	923	1450	1446	1570	033	
	f	187	2220	975	1310	1300	1560	033	
	f	188	2220	1090	1230	1220	1540	028	
		18	2132	749	500	—	1510	093	
		1	2021	1092	800	—	1530	034	
		2	—	—	820	—	1545	033	
		3	—	—	field Star too Close				
		4	—	—	1010	—	1530	032	
		5	—	—	1150	—	1575	035	
		6	—	—	1250	—	1565	034	
		7	—	—	1290	—	1585	037	

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1029phae.proj.1267C

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1546	911	849	590	581	5.49 5.43	
1553	1398	1388	900	892	8.16 8.07	
1548	1218	1213	786	782	7.07 7.04	
1549	1370	1377	884	889	8.01 8.03	
1540	1093	1090	709	707	6.41 6.40	
1543	1264	1242	817	809	7.37 7.28	
1532	1330	1338	867	872	7.83 7.88	
1524	1386	1384	909	907	8.26 8.25	
1521	1428	1422	936	931	8.54 8.51	
1516	1330	1350	878	891	7.92 8.08	
1485	315	310	212	208	offcurve, offcurve	
1523	1103	1093	724	716	6.54 6.46	
1533	1199	—	781	—		264x
1542	832	802	539	520	5.08 4.92	
1533	1023	1015	670	662	6.11 6.04	
1540	892	886	580	574	5.42 5.38	
1538	1288	1268	840	823	7.57 7.42	
1557	1047	1137	674	730	6.15 6.60	
1537	1252	—	815	—		1171v
1540	1173	1163	762	754	6.89 6.82	
1543	1405	1390	911	900	8.30 8.16	
1537	1417	1413	917	929	8.31 8.48	
1527	1279	1267	838	831	7.56 7.50	
1512	1202	1192	797	788	7.18 7.09	
1477	467	—	316	—		
1496	766	—	512	—		
1512	787	—	521	—		
		—		—		
1498	978	—	652	—		
1540	1115	—	725	—		
1531	1216	—	794	—		
1548	1263	—	807	—		
1555	1425	—	918	—		

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App-CH 854 — Sept 16, 1929

Altrip	Class	Star	x	y	Dyfl	Dyfl	Cl	Mk	Volts
		1∞	2132	749	528	—	1558	022	000
		1	2021	1092	827	—	1532	022	
		2	—	—	809	—	1519	021	
		3	—	—	field	star	adjoining		
		4	—	—	1027	—	1504	027	
		5	—	—	1151	—	1581	024	
		6	—	—	1262	—	1563	030	
		7	—	—	1298	—	1587	030	
		8	—	—	1460	—	1589	030	
22.4		189	2248	241	1226	1230	1560	030	
		190	2240	390	1393	1379	1573	031	
		191	2250	402	1237	1210	1560	031	
		192	2240	409	1498	1490	1580	032	
		91	2249	412	1202	—	1550	031	
		193	2236	421	1350	1348	1588	031	
		194	2239	451	1323	1332	1563	031	
		195	2240	494	1461	1462	1580	031	
		92	2238	521	1068	—	1543	033	
		196	2239	589	1429	1440	1590	031	
		197	2240	653	1508	1506	1593	033	
		198	2247	751	1489	1470	1569	033	
		199	2240	823	1463	1470	1589	036	
		93	2237	913	1343	—	1569	039	
		200	2233	918	1304	1284	1543	039	
		201	2241	1010	1453	1459	1540	040	
		94	2251	1235	1383	—	1528	040	
		202	2249	1287	1378	1411	1518	040	
		203	2242	1289	1459	1472	1517	040	
22.6		204	2270	1317	1432	1434	1560	040	
		205	2270	1372	1440	1429	1578	044	

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1929phae.proj.126C

α.-Dk	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L.Ks.
1336	506	—	378	—		
1510	805	—	533	—		
1498	788	—	531	—		
1477	1006	—	677	—		
1554	1124	—	726	—		
1533	1232	—	807	—		
1557	1268	—	821	—		
1559	1430	—	917	—		
1530	1196	1200	781	784	6.93 6.95	
1542	1362	1348	883	870	7.96 7.83	
1529	1206	1179	792	770	7.04 6.81	
1548	1466	1458	943	938	8.58 8.53	
1519	1171	—	772	—	4	240v
1557	1319	1317	846	844	7.58 7.56	
1532	1292	1301	845	851	7.58 7.62	
1549	1430	1431	924	925	8.38 8.39	
1510	1035	—	686	—		205v
1559	1398	1409	898	904	8.09 8.17	
1560	1475	1473	946	944	8.61 8.60	
1536	1456	1437	947	935	8.62 8.50	
1553	1427	1434	920	924	8.32 8.35	
1530	1334	—	869	—		
1534	1265	1245	824	812	7.38 7.25	
1500	1413	1419	943	947	8.57 8.61	
1488	1343	—	901	—		
1478	1338	1371	906	928	8.17 8.40	
1477	1419	1432	960	969	8.87 8.87	
1520	1392	1394	916	918	8.27 8.28	
1537	1399	1398	910	909	8.23 8.22	

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1929phae.proj.1267C

Opp RH 54 Sept. 16, 1929

Strip	Class	Star	y	x	Diff	Diff	Cl	Dk	Note
	P	206	2260	618	1380	1371	1610	042	
	P	207	2269	642	1353	1350	1592	041	
	P	208	2260	772	1149	1138	1552	041	
	P	209	2260	823	1361	1369	1573	041	
	P	95	2259	991	1273	—	1563	044	
	P	210	2270	1125	1380	1371	1540	042	
22.8	P	96	2273	192	1283	—	1548	043	
	P		2270	317	1427	1432	1558	043	
	P		2270	342	1433	1430	1571	040	
	P		2260	618	1357	1379	1591	049	
	P		2269	642	1353	1349	1578	050	
	P		2260	757	1453	1460	1573	049	
22.6	P		2260	772	1147	1146	1571	047	
	P		2260	824	1360	1370	1558	050	
	P		2259	991	1277	—	1563	049	
	P		2251	1233	1391	—	1530	050	
22.6	P	96	2273	192	1283	—	1548	043	
	P	97	2279	208	1441	—	1553	050	
	P	211	2297	271	1104	1082	1520	050	
	P	98	2280	279	1430	—	1573	049	
	P	99	2290	327	1487	—	1578	051	
	P	100	2289	447	1542	—	1583	051	
	P	212	2293	449	1419	1419	1570	051	
	P	101	2279	601	1411	—	1580	051	
	P	213	2289	673	1503	1502	1588	053	
	P	102	2287	969	1451	—	1559	050	
	P	214	2277	993	1487	1500	1550	052	
	P	215	2280	1002	1483	1482	1548	052	
	P	216	2280	1123	1302	1300	1522	052	
	P		2132	749	577	—	1318	050	

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1929phae.proj.1267C

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. Ko
1568	1338	1329	850	843	7.62 7.57	
1567	1312	1309	846	843	7.57 7.55	
1511	1100	1097	728	726	6.40 6.38	
1532	1320	1328	861	868	7.73 7.80	
1522	1232	—	808	—		1109 v
1498	1338	1329	890	882	8.03 7.93	

Omitted

1505	1240	—	823	—		
1503	1391	—	925	—		
1470	1054	1082	714	703	6.28 6.14	
1524	1381	—	910	—		225 x
1527	1436	—	937	—		
1532	1491	—	975	—		
1519	1368	1428	903	941	7.62 8.56	
1529	1360	—	888	—		h v
1535	1460	1449	945	944	8.59 8.58	
1509	1401	—	929	—		
1498	1435	1498	954	1000	8.70 off curve	
1496	1431	1430	958	957	8.72 8.71	
1470	1260	1248	850	848	7.61 7.59	
1268	527	—	415	—		

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1929phae.proj.1267C

WGP-RH 83-4 Sept 16, 1929

Strip	Class	Star	y	x	Diff	Diff	cc	Dk	Pts
		1	2021	1092	833	—	1592	051	
		2	—	—	832	—	1591	050	
		3	—	—	Star fused	Summation	full	star	
		4	—	—	1047	—	1521	050	
		5	—	—	1170	—	1583	050	
		6	—	—	1272	—	1562	051	
		7	—	—	1304	—	1558	050	
		8	—	—	1485	—	1608	053	500
Windy (Fmc Sept. 17, 1929		15	2132	760	328	—	1419	0—	
		1	2021	1103	695	—	1401	0—	
		2	—	—	620	—	1407	0—	
		3	—	—	field star too close				
		4	—	—	835	—	1402	0—	
		5	—	—	959	—	1440	0—	
		6	—	—	1088	—	1429	0—	
		7	—	—	1130	—	1449	0—	
		8	—	—	1312	—	1458	0—	
23.0	f	217	2309	369	1010	990	1425	0—	
	f	218	2301	530	1361	1360	1450	0—	
	f	219	2310	721	865	865	1441	0—	
	f	220	2312	850	1262	1251	1435	0—	
	f	221	2311	911	1225	1210	1429	0—	
	fo	103	2300	1235	950	—	1401	0—	
23.2	fo	104	2330	289	650	—	1432	0—	
	f	222	2320	382	810	819	1431	0—	
	f	223	2329	551	1330	1320	1455	0—	
	f	224	2335	569	1110	1108	1459	0—	
	f	225	2320	1612	1201	1200	1445	0—	
	fo	105	2330	728	1071	—	1450	0—	
	f	226	2330	1800	1062	1039	1450	0—	

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1929phae.proj.1267C

Cl.-Dk.	Cl.-Dk.	Reduced	Reduced	Magn.	Lick
1481	882	—	597	—	
1481	782	—	529	—	
1471	997	—	675	—	
1533	1120	—	732	—	
1511	1221	—	809	—	
1508	1254	—	828	—	
1555	1432	—	921	—	
1419	328	—	232	—	
1401	635	—	453	—	
1407	620	—	441	—	
1402	835	—	594	—	
1440	959	—	666	—	
1429	1088	—	763	—	
1449	1180	—	781	—	
1458	1812	—	900	—	
1425	1010	990	716	696	6.89 6.74
1450	1361	1360	939	938	8.63 8.62
1441	865	865	601	601	6.08 6.08
1435	1262	1257	879	870	8.09 8.01
1429	1225	1210	863	840	7.90, 7.79
1401	950	—	677	—	1030 ×
1432	650	—	454	—	239 ×
1431	810	819	565	572	5.80, 5.87
1455	1330	1320	913	905	8.42 8.31
1459	1110	1108	763	761	7.21 7.20
1445	1201	1200	830	829	7.72 7.70
1456	1071	—	738	—	~~259~~ 262 ✓
1450	1062	1039	731	715	7.01 6.88

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1929phae.proj.1267C

FMC RH 85-4 Sept 17, 1929

Strip	Class	Star	Y	X	Defl	Defl	Ce	Dk Vets
23.2	f	227	2325	898	1068	1052	1429	0 —
	f	228	2326	938	942	939	1431	0 —
	f	229	2326	1006	1175	1179	1411	0 —
	f	230	2320	1012	1155	1140	1415	0 —
	f	231	2330	1118	1189	1200	1409	0 —
	f	106	2328	1232	1085	—	1390	0 —
23.4	f	107	2343	247	795	—	1430	0 —
	f	232	2340	275	1290	1310	1433	0 —
	f	233	2350	630	1299	1290	1462	0 —
	f	108	2350	810	1252	—	1452	0 —
	f	234	2352	973	918	920	1431	0 —
	f	235	2350	1089	1031	1030	1412	0 —
23.6	f	236	2370	878	1151	1159	1442	0 —
23.8	f	237	2399	328	625	610	1450	0 —
	f	109	2380	440	849	—	1459	0 —
	f	110	2380	560	1221	—	1449	0 —
	f	238	2390	650	1150	1140	1459	0 —
	f	111	2380	818	971	—	1452	0 —
	f	112	2390	860	1160	—	1445	0 —
	f	113	2380	970	1163	—	1430	0 —
	f	114	2390	977	670	—	1422	0 —
24.0	f	115	2415	310	1110	—	1420	0 —
	f	116	2411	595	1179	—	1455	0 —
	f	239	2417	652	1017	1015	1439	0 —
	f	117	2410	715	712	—	1462	0 —
	f	118	2400	869	951	—	1440	0 —
	f	240	2403	1177	1170	1158	1395	0 —
24.2	f	241	2432	680	1300	1309	1442	0 —
	f	119	2421	860	1052	—	1449	0 —
	f	242	2430	889	1230	1210	1429	0 —

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Cl.-Dk.	Defl.-Uk.	Defl.-Dk.	Reduced	Reduced	Magn.	L.Ko
1429	1068	1052	747	735	7.09 7.03	
1431	942	934	659	655	6.50 6.48	
1411	1175	1179	832	835	7.72 7.75	
1415	1155	1140	817	805	7.62 7.53	
1409	1189	1200	842	850	7.82 7.87	
1340	1055	—	780	—		1043 x
1430	795	—	567	—		242 x
1433	1240	1316	901	916	8.29 8.42	
1462	1294	1240	887	881	8.17 8.13	
1452	1252	—	862	—		f v
1431	918	920	641	643	6.38 6.40	
1412	1031	1030	730	729	6.99 6.98	
1442	1157	1159	798	804	7.48 7.56	
1450	625	616	432	420	4.68 4.57	
1459	849	—	582	—		183 x
1449	1221	—	842	—		b v
1459	1150	1140	796	787		
1452	971	—	669	—		1279 v
1446	1160	—	802	—		1246 v
1430	1163	—	813	—		1166 v
1422	670	—	471	—		ng 2 sequence star
1420	1110	—	783	—		~~206~~ 206 ~~118~~ x
1455	1179	—	810	—		118 v
1439	1017	1015	687	685	6.68 6.67	
1462	712	—	487	—		56 v
1440	957	—	660	—		1242 v
1395	1170	1158	837	829	7.78 7.70	
1442	1300	1309	901	908	8.30 8.36	
1444	1052	—	726	—		1251 v
1429	1230	1210	861	846	7.98 7.82	

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1929phae.proj.1267c

FMC RH 854 Sept 17, 1929

Strip	Class	Star	y	x	Dyf	Dyf	cl	dk	Wts
24.4	f	120	2450	811	1289	—	1445	0 —	
	f	243	2451	733	1119	1109	1445	0 —	
	f	244	2450	744	1340	1335	1448	0 —	
	f	121	2451	1170	1221	—	1410	0 —	
24.6	f	245	2460	431	1085	1090	1440	0 —	
	f	246	2460	460	1312	1309	1430	0 —	
	f	247	2473	499	1041	1053	1430	0 —	
	f	248	2465	1090	1291	1280	1410	0 —	
24.8	f	249	2498	370	1053	1035	1441	0 —	
	f	250	2482	585	1180	1165	1440	0 —	
	f	122	2480	620	1270	—	1450	0 —	
	f	251	2488	690	1248	1240	1435	0 —	
	f	123	2490	720	1290	—	1439	0 —	
	f	124	2479	950	1008	—	1432	0 —	
	f	125	2480	1010	1029	—	1410	0 —	
	f	252	2480	1065	1190	1170	1410	0 —	
25.0	f	253	2510	470	1232	1230	1430	0 —	
	f	126	2500	810	1301	—	1449	0 —	
		1S	2132	760	370	—	1420	0 —	
		1	2021	1103	640	—	1420	0 —	
		2	—	—	630	—	1425	0 —	
		3	—	—	Start to close to field				
		4	—	—	860	—	1422	0 —	
		5	—	—	995	—	1460	0 —	
		6	—	—	1109	—	1439	0 —	
		7	—	—	1152	—	1462	0 —	
		8	—	—	1335	—	1471	0 —	

Cont'd in BK 69, p 46

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1929phae.proj.1267c

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	h. No.
1445	1289	—	891	—		
1445	1109	1109	767	767	7.24 7.24	
1448	1340	1335	925	921	8.52 8.49	
1410	7221	—	815	—		1110 x
1440	1085	1090	753	757	7.13 7.16	
1430	1312	1304	917	915	8.44 8.42	
1430	1041	1053	729	737	6.97 7.03	
1410	1291	1280	916	907	8.42 8.36	
1441	1053	1035	728	716	6.98 6.89	
1440	1180	1165	818	807	7.62 7.56	
1450	1270	—	874	—		90 x
1435	1248	1240	871	864	8.04 8.01	
1439	1290	—	895	—		
1432	1008	—	705	—		1208 x
1410	1229	—	871	—		1176 x
1410	1190	1170	842	829	7.81 7.70	
1430	1232	1230	861	859	7.99 7.94	
1449	1301	—	899	—		
1420	370	—	261	—		
1420	640	—	451	—		
1425	630	—	443	—		
1422	860	—	605	—		
1460	995	—	682	—		
1439	1109	—	772	—		
1462	1152	—	787	—		
1471	1335	—	906	—		

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1929phae.proj.1267C

FMC R#854 Sept. 18, 1929

Trip	Class	Star	η	ζ	Defe	Defe	Cl	xk	Nets
16.6		15	2132	761	490	—	1649	001	5.10
		1	2021	1109	820	—	1631	001	
		2	—	—	850	—	1643	001	
		3	—	—	Field Star to close				
		4	—	—	1060	—	1645	009	
		5	—	—	1210	—	1690	010	
		6	—	—	1330	—	1660	005	
		7	—	—	1370	—	1701	009	
		8	—	—	1560	—	1710	010	
16.8	p	31	1699	425	1171	—	1722	010	
	p	39	1690	500	1220	1200	1720	010	
	p	32	1690	698	1382	—	1692	010	
	p	33	1680	737	1402	—	1673	011	
	p	40	1689	748	1495	1500	1700	012	
	p	34	1690	836	1358	—	1705	011	
	p	41	1688	1010	1528	1521	1665	015	
	p	42	1690	1029	1318	1298	1661	019	
	p	35	1690	1005	1400	—	1670	019	
17.0	p	36	1710	375	1489	—	1729	025	
	p	37	1710	870	1495	—	1688	025	
	p	43	1701	1013	1457	1435	1650	015	
17.2	p	38	1732	268	1512	—	1720	015	
	p	44	1719	870	1391	1403	1690	011	
	p	39	1721	959	1370	—	1665	011	
	p	40	1732	1271	1272	—	1604	011	
17.4	p	45	1741	490	1371	1370	1707	011	
	p	41	1741	615	1545	—	1683	011	
	p	42	1750	650	1559	—	1685	011	
	p	46	1741	780	655	659	1673	010	
	p	43	1751	802	1211	—	1680	011	

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1929phae.proj.1267c

α.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L.NO.
1648	489	—	296	—		
1630	819	—	500	—		
1642	849	—	515	—		
1636	1057	—	643	—		
1680	1200	—	716	—		
1655	1325	—	802	—		
1692	1361	—	804	—		
1700	1650	—	912	—		
1712	1161	—	680	—		474 x
1710	1210	1190	707	695	6.34, 6.26	
1682	1372	—	810	—		570 v
1662	1391	—	837	—		587 v
1688	1483	1488	880	883	8.00, 8.01	
1694	1347	—	797	—		642 v
1650	1513	1506	917	913	8.35, 8.30	
1642	1299	1279	789	777	7.11, 7.02	
1601	1381	—	861	—		k x
1704	1474	—	867	—		457 x
1658	1470	—	886	—		664 x
1635	1443	1420	882	879	8.00, 7.99	
1700	1497	—	877	—		1a x
1679	1380	1392	823	830	7.43, 7.50	
1654	1359	—	820	—		713 x
1583	1261	—	797	—		809 x
1696	1360	1359	803	800	7.24, 7.23	
1672	1534	—	917	—		
1674	1548	—	926	—		
1663	645	649	387	389	off curve	
1669	1200	—	718	—		625 v

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1929phae.proj.1267C

FMc MRD RH 864 Sept. 18, 1929

Strip	Class	Star	y	x	Dyf	Dyf	Cl	Clk	Vects
17.4	f	47	1739	1080	1190	1190	1619	011	
	f	44	1740	1090	1479	—	1625	011	
17.6	f	48	1769	908	1525	1530	1703	012	
	f	49	1771	698	1400	1390	1699	012	
	fp	45	1793	1011	1458	—	1640	013	
	fp	46	1760	1060	1442	—	1625	012	
	fp	47	1765	1153	1349	—	1610	013	
	f	50	1761	1480	1521	1519	1695	012	
17.8	f	48	1790	450	1446	—	1711	019	
	f	51	1797	490	1553	1540	1690	018	
	f	52	1790	945	1130	1130	1675	018	
	f	53	1789	960	1480	1478	1665	020	
	fp	49	1780	1195	1481	—	1590	015	
	f	54	1790	1237	1480	1465	1600	011	
18.0	fp	50	1799	930	1170	—	1738	020	
	f	55	1810	541	1538	1530	1690	020	
	f	56	1801	545	1481	1485	1682	020	
	f	57	1809	630	1615	1602	1699	020	
	f	58	1799	670	1530	1511	1680	021	
	fp	51	1808	781	1469	—	1709	021	
	f	59	1810	927	865	872	1689	020	
	f	60	1800	1120	1348	1332	1680	020	
	fp	52	1810	1139	1202	—	1601	020	
	f	61	1800	1155	1490	1488	1602	020	
	f	62	1810	1291	1351	1345	1608	020	
MRD	fp	53	1805	1310	1269	—	1610	020	
18.2	fp	54	1825	953	1400	—	1720	025	
18.4	f	63	1849	390	1600	1590	1705	030	
	f	64	1850	836	920	920	1725	027	
	f	65	1840	1220	1130	1150	1605	025	

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1929phae.proj.1267c

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L.N.Q
1608	1179	1179	731	731	6.61, 6.61	
1614	1468	—	912	—		764 ?x
1689	1513	1518	901	904	8.19, 8.20	
1687	1388	1378	824	816	7.44, 7.37	
1627	1445	—	888	—		748 v
1613	1430	—	886	—		
1597	1336	—	837	—		791 x
1683	1509	1507	894	893	8.10, 8.10	
1692	1427	—	843	—		451 v
1672	1535	1522	917	910	8.35, 8.30	
1659	1112	1112	670	670	6.06, 6.06	
1645	1460	1458	887	884	8.05, 8.01	
1595	1466	—	930	—		
1589	1469	1457	925	918	8.44, 8.37	
1718	1168	—	672	—		426 x
1670	1518	1510	920	905	8.38, 8.24	
1662	1461	1465	878	881	7.98, 7.99	
1679	1595	1582	950	944	8.70, 8.64	
1659	1589	1490	912	901	8.30, 8.18	
1688	1448	—	859	—		601 v
1669	845	852	507	510	4.69, 4.72	
1600	1328	1313	832	819	7.52, 7.40	
1581	1182	—	748	—		805 v
1582	1470	1468	926	925	8.45, 8.44	
1588	1331	1325	836	832	7.55, 7.52	
1590	1249	—	785	—		844
1695	1375	—	811	—		420 x
1676	1570	1560	935	929	8.55, 8.50	
1678	893	893	533	533	4.93, 4.93	
1580	1105	1125	701	713	6.34, 6.44	

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1929phae.proj.1267C

MRD RH 854 Sept 15, 1929

Strip	Class	Star	y	x	Defl	Defl	Cl	Dk Volts
18.6	f	55	1866	469	1540	—	1700	027
	f	66	1861	682	1240	1230	1660	025
	f	67	1860	735	1155	1160	1675	026
	f	68	1862	740	1578	1565	1710	029
	f	56	1870	802	1270	—	1690	031
	f	69	1855	980	1357	1355	1670	027
18.8	f	70	1889	511	1469	1463	1692	032
	f	71	1875	1175	1440	1440	1620	030
19.0	f	72	1910	236	1575	1570	1700	032
	f	73	1910	548	1612	1610	1710	032
	f	74	1905	558	1330	1340	1700	038
	f	75	1888	651	1500	1521	1690	038
	p	57	1900	1099	1555	—	1648	040
19.2	f	76	1918	476	1440	1435	1700	039
	f	77	1912	620	1580	1575	1715	040
	f	78	1920	760	1630	1610	1700	040
	f	79	1920	1020	1450	1440	1650	038
	fp	58	1918	1250	1423	—	1630	038
19.4	p	59	1940	497	1650	—	1695	038
	f	60	1940	580	1570	—	1680	037
	f	80	1945	610	1340	1330	1690	040
	f	81	1950	892	1453	1440	1682	043
	f	82	1940	1273	1565	1570	1630	039
	p	61	1947	1279	1460	—	1600	037
	p	62	1940	1360	1495	—	1635	043
		18	2132	761	565	—	1675	040
		1	2021	1109	860	—	1650	040
		2	—	—	890	—	1660	042
		3	Field star — too close					
		4	—	—	1090	—	1660	040

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1929phae.proj.127C

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L.No.	~~L.No~~
1673	1513	—	907	—		425 v	
1635	1215	1205	743	738	6.70, 6.67		
1649	1129	1134	685	687	6.19, 6.20		
1681	1549	1536	920	912	8.38, 8.30	627 v	
1659	1239	—	746	—			
1643	1330	13 28	810	809	7.33, 7.32		
1660	1437	1431	866	864	7.85, 7.84		
1590	1410	1410	880	885	8.04, 8.04		
1668	1543	1538	925	920	8.45, 8.39		
1678	1580	1578	942	940	8.60, 8.59		
1662	1292	1302	776	782	7.00 7.07		
1652	1462	1483	887	900	8.04 8.18		
1608	1515	—	941	—			
1661	1401	1396	841	837	7.61 7.58		
1675	1540	1535	920	917	8.38 8.36		
1660	1590	1570	958	947	8.79 8.66		
1617	1412	1402	876	870	7.97 7.89		
1592	1385	—	872	—		880 x	
1657	1612	—	974	—			
1643	1533	—	939	—			
1658	1300	1290	787	782	7.10 7.07		
1639	1410	1397	862	862	7.51 7.71		
1591	1526	1541	962	970	8.86 8.96		
1563	1423	—	911	—		892 x	
1592	1452	—	913	—			
1635	525	—	322	—			
1610	820	—	509	—			
1618	848	—	523	—			
				—			
1620	1050	—	650	—			

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MRD RH 854 Sept 18/1929

Strip	Class	Star	y	x	Dpl	Dpl	Ce	Dk	Nebs
		5	—	—	1233	—	1700	043	
		6	—	—	1350	—	1690	042	
		7	—	—	1385	—	1710	042	
		8	—	—	1577	—	1717	042	

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1929phae.proj.127C

Cl.-Dk.	Defl.-Dk	Defl.-Dk.	Reduced	Reduced Magn.	L. Ks.
1657	1193	—	718	—	
1648	1308	—	793	—	
1668	1343	—	806	—	
1675	1535	—	917		

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1929phae.proj.1267C

Dyp. RH 1483 – Sept 18, 1929

Strip	Class	Star	y	x	Dyfl	Dipe	Cl.	Dk	Note
		1A	2070	863	670	—	1759	026	525
		1	1731	732	1040	—	1832	029	
		2	—	—	1190	—	1879	030	
		3	—	—	1322	—	1853	031	
		4	—	—	1328	—	1821	032	
		5	—	—	1459	—	1842	032	
		6	—	—	1583	—	1832	033	
		7	—	—	1644	—	1860	033	
		8	—	—	1760	—	1830	036	
14.8	p	1	1482	723	1723	—	1849	039	
15.0	p	1	1492	668	1767	1781	1860	040	
	p	2	1500	857	1452	1443	1868	042	
15.2	p	3	1529	839	1435	1438	1850	043	
	p	4	1513	959	1511	1500	1869	047	
15.4	p	2	1542	501	1566	—	1860	050	
	p	3	1550	761	1658	—	1848	050	
15.6	p	5	1560	532	1654	1652	1883	049	
	p	4	1569	644	1762	—	1863	050	
	p	5	1559	722	1762	—	1863	050	
	p	6	1562	798	1790	1782	1846	050	
	p	7	1572	808	1669	1660	1863	050	
15.8	p	6	1582	439	1627	—	1867	051	
	p	8	1580	503	1427	1413	1872	051	
	p	7	1597	617	1793	—	1883	052	
	p	9	1588	929	1708	1692	1890	053	
	p	8	1580	952	1760	—	1878	053	
	p	9	1589	1000	1510	—	1865	053	
	p	10	1589	1028	1621	—	1874	053	
16.0	p	10	1602	619	1758	1745	1882	060	
	p	11	1603	995	1804	1819	1864	060	

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1929phae.proj.127C

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L.NO
1738	644	—	872	—		
1803	1011	—	556	—		
1849	1160	—	629	—		
1821	1291	—	709	—		
1789	1296	—	725	—		
1810	1427	—	787	—		
1799	1550	—	862	—		
1827	1611	—	884	—		
1794	1734	—	962	—		
1810	1684	—	930	—	7.76	3a+
1820	1727	1741	950	956	8.06, 8.12	
1826	1410	1401	774	769	6.31, 6.28	
1807	1392	1395	771	773	6.29, 6.31	
1822	1464	1453	804	797	6.58, 6.52	
1810	1576	—	838	—	6.87	844+
1798	1608	—	895	—	7.40	926+
1834	1608	1603	876	875	7.21, 7.20	
1813	1712	—	945	—	8.00	892+
1813	1712	—	945	—	8.06	
1796	1740	1732	970	965	8.45, 8.36	
1813	1619	1610	892	890	7.37, 7.35	
1816	1576	—	868	—	7.14	809+
1821	1376	1362	755	748	6.14, 6.07	
1831	1681	—	308	—	off curve	880+
1837	1655	1639	903	891	7.45, 7.36	
1826	1709	—	935	—	7.81	~~1030~~
1812	1457	—	804	—	6.57	1030+
1821	1568	—	860	—	7.07	1043+
1822	1698	1685	930	925	7.76, 7.71	
1824	1747	1739	957	962	8.17, 8.23	

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Wff – C H 1483 – Sept 18, 1929

Strip	Class	Star	Y	X	Dyf	Dyf	Cl	Dk	Pole
16.2	p	11	1633	1000	1663	—	1873	066	
	p	12	1628	1080	1823	—	1887	060	
		13	1651	392	1747	—	1881	060	
16.4	p	12	1641	439	1748	1745	1879	062	
	p	14	1649	731	1715	—	1871	062	
		13	1651	983	1782	1778	1878	060	
		14	1657	1031	1203	1208	1856	062	
		15	1640	1119	1652	1651	1880	062	
		16	1639	1151	1771	1787	1872	063	
	p	15	1642	1157	1770	—	1887	062	
16.6		17	1662	339	1527	1520	1879	060	
	p	16	1659	484	1800	—	1860	061	
16.8		18	1690	400	1431	1439	1842	063	
		19	1690	600	1820	1820	1863	063	
		20	1690	867	1585	1581	1870	067	
17.0	p	17	1707	359	1794	—	1879	065	
	p	18	1700	471	1715	—	1887	070	
	p	19	1713	519	1580	—	1878	067	
		21	1699	1043	1410	1414	1861	069	
		22	1710	1149	1829	1829	1873	070	
17.2	p	20	1730	791	1752	—	1869	070	
		23	1733	972	1699	1711	1880	070	
		24	1722	978	1816	1831	1894	070	
	p	21	1730	1029	1812	—	1881	070	
17.4		10	2070	863	731	—	1773	077	
		1	1731	432	1107	—	1847	073	
		2	—	—	1259	—	1881	072	
		3	—	—	1373	—	1876	073	
		4	—	—	1370	—	1849	072	
		5	—	—	1512	—	1862	073	
		6	—	—	1629	—	1857	078	
		7	—	—	1688	—	1881	073	
		8	—	—	1788	—	1858	072	525

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1929phae.proj.127C

α.-Dk.	Dfl.-Dk.	Dfl.-Dk.	Reduced	Reduced	Magn	L. No
1813	1603	—	885	—	7.30	1044 +
1827	1763	—	966	—	8.32	
1821	1687	—	925	—	7.71	k +
1817	1686	1683	928	926	7.74, 7.72	
1809	1653	—	915	—	7.59	
1818	1722	1738	950	956	8.06, 8.15	
1794	1141	1141	637	637	5.07, 5.07	
1818	1598	1589	875	875	7.20, 7.20	
1809	1708	1724	945	955	8.00, 8.14	1110 +
1825	1708	—	935	—	7.83	
1819	1467	1460	806	804	6.59, 6.57	
1799	1739	—	966	—	8.31	
1779	1368	1376	770	774	6.25, 6.31	
1800	1757	1757	975	975	8.59, 8.59	
1803	1518	1514	840	839	6.90, 6.89	~~958~~
1814	1729	—	952	—	8.10	958 +
1817	1645	—	905	—	7.49	791 +
1811	1513	—	835	—	6.85	805 +
1792	1341	1345	749	750	6.07, 6.08	
1803	1759	1759	975	975	8.55, 8.55	
1799	1682	—	936	—	7.84	948 +
1810	1629	1641	900	906	7.43, 7.50	
1824	1746	1761	956	966	8.15, 8.31	
1811	1142	—	630	—		
1696	654	—	386	—		
1774	1034	—	584	—		
1809	1187	—	656	—		
1803	1300	—	720	—		
1777	1298	—	730	—		
1789	1439	—	804	—		
1779	1551	—	874	—		
1808	1615	—	895	—		
1781	1618	—	964	—		

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1929phae.proj.1267C

FMC R+H 1483 Sept 19, 1929

Strip	Class	Star	y	b	Defl	Defl	Cl	Dk Pcts
		1S	2070	840	808	—	1820	062
		1	1731	710	1190	—	1898	062
		2	—	—	1395	—	1921	062
		3	—	—	1412	—	1909	062
		4	—	—	1442	—	1880	065
		5	—	—	1581	—	1889	065
		6	—	—	1652	—	1889	070
		7	—	—	1739	—	1913	070
		8	—	—	1805	—	1880	070
17.6		25	1761	970	1839	1828	1921	072
		26	1771	520	1570	1570	1919	073
		22	1769	1209	1762	—	1930	075
17.8		23	1791	450	1825	—	1919	079
		27	1788	1151	1820	1830	1901	080
18.0		28	1811	445	1780	1780	1913	080
		29	1799	780	1785	1765	1913	081
		30	1801	1095	1719	1719	1919	081
		31	1810	1161	1800	1803	1929	080
18.2		32	1821	400	1871	1853	1929	081
		24	1821	950	1730	—	1915	080
		33	1830	1103	1741	1760	1926	082
		25	1835	1260	1415	—	1917	081
18.4		26	1840	468	1820	—	1909	084
		34	1840	650	1600	1608	1919	086
		27	1850	1071	1761	—	1910	085
		35	1850	1113	1832	1831	1915	088
18.6		36	1871	989	1840	1840	1919	090
		28	1869	1170	1670	—	1920	090
		37	1868	1173	1789	1790	1880	090
		29	1875	1285	1763	—	1910	090

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1929phae.proj.127C

cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Z. No.	Mag.
1758	746	—	425	—		
1836	1428	—	614	—		
1859	1273	—	686	—		
1847	1360	—	736	—		
1815	1377	—	757	—		
1824	1516	—	830	—		
1819	1582	—	870	—		
1843	1669	—	905	—		
1811	1735	—	960	—		
1844	1767	1756	956	950	8.21, 8.09 →	
1846	1497	1497	811	811	6.50, 6.50 →	
1865	1687	—	910	—	1104+	7.52
1840	1746	—	950	—		8.10
1821	1740	1750	955	960	8.20, 8.27 →	
1833	1700	1700	930	930	7.79, 7.79 →	
1832	1704	1684	930	920	7.81, 7.64 →	
1838	1638	1638	890	890	7	7.25, 7.25
1849	1720	1723	930	933		7.78, 7.72
1848	1790	1772	970	960		8.56, 8.31
1835	1650	—	900	—	1109↙	7.38
1844	1659	1678	899	910		7.37, 7.58
1836	1334	—	726	—	1214+	5.70
1825	1736	—	950	—	748↙	5.90
1833	1574	1522	825	830		6.63, 6.66
1825	1676	—	920	—	1166↙	7.64
1827	1744	1743	955	955		8.20, 8.20
1829	1760	1750	955	955		8.20, 8.20
1830	1580	—	865	—	1208+	7.00
1790	1699	1700	949	950		8.07, 8.09
1820	1673	—	920	—		7.64

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JMC MRD RH 1483 Sept. 19, 1929

Strip	Class	Star	Y	X	Diff	Diff	Cl	Dk	Vol
18.8	f	30	1880	190	1800	—	1920	089	
	f	38	1899	452	1730	1729	1905	090	
	f	39	1879	498	1525	1525	1909	090	
	f	40	1890	1180	1411	1405	1909	090	
19.0	f	31	1910	240	1809	—	1932	090	
	f	41	1910	353	1688	1701	1920	092	
	f	32	1900	420	1751	—	1901	090	
	f	42	1912	992	1550	1540	1890	089	
	f	43	1901	1105	1689	1680	1900	090	
	f	44	1909	1119	1560	1555	1901	090	
19.2	p	33	1932	311	1778	—	1912	091	
	f	45	1932	480	9819	1820	1908	095	
	p	34	1933	928	1721	—	1885	092	
	f	46	1920	1160	1691	1683	1900	095	
19.4	f	47	1940	328	1830	1811	1920	095	
	p	35	1951	759	1769	—	1887	095	
	p	36	1950	1100	1605	—	1885	096	
	p	57	1955	1125	1675	—	1903	097	
19.6	p	38	1978	180	1209	—	1920	092	
	f	48	1959	290	1409	1400	1910	091	
MRD	f	49	1960	1233	1779	1791	1915	092	
19.8	f	50	1988	130	1815	1810	1920	089	
	f	51	1985	657	1860	1845	1900	089	
20.0	f	52	2018	608	1840	1853	1900	094	
	f	53	1990	818	1807	1800	1885	093	
	p	39	2010	1055	1802	—	1890	094	
	p	40	2001	1084	1590	—	1900	098	
	f	54	2005	1152	1810	1810	1890	095	
20.2	p	41	2020	392	1715	—	1913	100	
	f	55	2031	1090	1580	1560	1907	100	

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Cl. Dk.	Defl.-Dk.	Defl.-Dk	Reduced	Reduced	Magn.	R.Ms.
K31	1711	—	935	—	7.86	683+
1816	1646	1639	905	904	7.43, 7.42	
1819	1435	1435	790	790	6.28, 6.28	
1819	1321	1315	727	724	5.71, 5.68	
1842	1719	—	934	—	7.84	681+
1828	1596	1609	874	880	7.07, 7.13	
1811	1661	—	916	—	7.57	
1801	1461	1457	811	806	6.50, 6.44	
1810	1599	1590	884	880	7.18, 7.14	
1811	1470	1465	810	809	6.49, 6.48	
1821	1687	—	925	—	7.72	679 ✓
1813	1724	1725	950	951	8.10, 8.11	
1793	1629	—	909	—	7.50	1171 ✓
1806	1596	1688	885	880	7.20, 7.16	
1825	1735	1716	950	940	8.10, 7.85	
1792	1674	—	935	—	7.85	2r+
1789	1569	—	845	—	6.81	1242 ✓
1806	1598	—	874	—	7.07	1251 ✓
1828	1117	—	610	—	4.62	660+
1819	1318	1309	725	720	5.69, 5.64	
1823	1687	1699	925	930	7.71, 7.81	
1831	1726	1721	944	940	8.01, 7.97	
1811	1771	1756	979	970	offcurve, 850	
1806	1746	1759	965	974	8.41, offcurve	
1792	1714	1707	956	951	8.21, 8.12	
1796	1708	—	950	—	8.10	f ✓
1802	1492	—	829	—	6.67	1279 ✓
1792	1712	1712	955	955	8.20, 8.20	
1813	1615	—	892	—	7.29	642 ✓
1807	1480	1460	821	808	6.60, 6.47	

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1929phae.proj.1267C

MRD RH 1483 Sept 19, 1929

Strip	Class	Star	y	x	Defl	Defl	Cl	Dk	Volts
	f	56	2030	1240	1807	1807	1900	102	
	fp	42	2020	1248	1795	—	1925	104	
	f	57	2030	1258	1770	1769	1935	100	
20.4	fp	43	2050	460	1632	—	1940	100	
	f	44	2048	573	1590	—	1910	100	
20.6	fp	45	2074	381	1610	—	1907	100	
	f	58	2068	600	1500	1490	1893	100	
	f	59	2070	621	1610	1615	1908	100	
	f	60	2058	892	1685	1690	1890	100	
	fp	46	2062	1270	1730	—	1918	102	
		15	2070	840	780	—	1810	102	
		1	1731	710	1180	—	1920	100	
		2	—	—	1330	—	1950	102	
		3	—	—	1428	—	1945	102	
		4	—	—	1465	—	1915	100	
		5	—	—	1590	—	1925	101	
		6	—	—	1690	—	1910	100	
		7	—	—	1760	—	1960	104	
		8	—	—	1850	—	1920	110	

Repeat RH 1483 - Sept 19, 1929

		15	2070	840	830	—	1830	0.87	520
		1	1731	710	1211	—	1914	0.89	
		2	—	—	1349	—	1959	0.90	
		3	—	—	1433	—	1938	0.90	
		4	—	—	1460	—	1912	0.90	
		5	—	—	1600	—	1928	093	
		6	—	—	1679	—	1890	091	
		7	—	—	1768	—	1950	091	
		8	—	—	1840	—	1910	092	
20.8	f	61	2084	179	1890	1878	1966	093	

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1929phae.proj.1267C

α.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	2. No.
1798	1705	1705	948	948	8.07, 8.09	
1821	1691	—	929	—	7.77	8+
1835	1670	1669	911	910	7.53, 7.52	
1840	1532	—	884	—	6.71	625 ✓
1810	1490	—	823	—	6.61	627 ✓
1807	1510	—	836	—	6.72	606 ✓
1793	1400	1390	782	776	6.22, 6.16	
1808	1510	1515	836	838	6.71, 6.73	
1790	1585	1590	887	888	7.21, 7.22	
1816	1628	—	897	—		23+
1708	678	—	397	—		
1820	1080	—	594	—		
1848	1228	—	666	—		
1843	1326	—	720	—		
1815	1365	—	762	—		
1824	1489	—	816	—		
1810	1590	—	877	—		
1856	1656	—	892	—		
1810	1740	—	962			
1743	743	—	426	—		
1825	1122	—	616	—		
1860	1259	—	676	—		
1848	1343	—	727	—		
1822	1370	—	753	—		
1835	1507	—	822	—		
1799	1588	—	882	—		
1859	1677	—	902	—		
1818	1748	—	961	—		
1873	1797	1785	961	954	8.31, 8.20	

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1929phae.proj.1267C

Hyp RH 1483 – Lyr 1911929

Strip	Clus	Star	Y	X	Dep1	Dep2	Cl	Dk	Volts
		62	2082	284	1910	1899	1970	093	
		63	2082	380	1851	1840	1960	098	
		64	2087	650	1886	1863	1943	100	
		65	2076	991	1888	1903	1941	101	
		47	2093	1040	1711	—	1942	101	
		66	2080	1140	1787	1780	1941	101	
		48	2091	1199	1880	—	1951	102	
		67	2078	1278	1919	1914	1971	103	
		68	2080	1313	838	836	1954	103	
21.0		69	2110	462	739	733	1952	103	
		70	2107	713	1827	1811	1943	103	
		49	2110	903	1859	—	1922	104	
		71	2108	949	1456	1451	1922	104	
		50	2101	1121	1416	—	1936	104	
21.2		72	2123	231	1728	1739	1965	110	
		51	2120	892	810	—	1953	108	
		73	2132	399	1892	1882	1961	109	
		74	2130	644	1830	1830	1942	110	
		75	2128	1249	1821	1832	1954	110	
		52	2120	1072	1640	—	1963	111	
21.4		53	2150	312	1870	—	1970	111	
		76	2150	989	1789	1792	1969	113	
21.6		54	2160	406	1770	—	1960	113	
21.8		77	2170	399	1841	1882	1961	118	
		55	2170	400	1860	—	1950	113	
		78	2192	541	1895	1900	1949	114	
		79	2194	932	1691	1694	1924	112	
		80	2181	943	1797	1791	1930	113	
		81	2181	968	1863	1863	1950	113	
		82	2189	1210	1890	1887	1951	114	

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1929phae.proj.1267C

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L.No.
1877	1817	1806	967	962	8.41, 8.33	
1862	1753	1742	942	937	8.00, 7.90	
1843	1786	1763	968	957	8.42, 8.26	
1840	1787	1802	971	979	8.50, off curve	
1841	1610	—	874	—	7.08	62 ✓
1840	1686	1679	917	912	7.58, 7.53	
1849	1778	—	962	—	8.32	
1868	1816	1811	972	969	off curve, 8.46	
1851	735	733	397	395	off curve, off curve	
1849	636	630	344	341	off curve, off curve	
1840	1724	1708	937	928	7.80, 7.75	
1818	1756	—	964	—	8.34	105 ✓
1818	1352	1347	744	741	5.73, 5.71	
1832	1306	—	713	—	5.43	56 ✓
1853	1618	1629	871	876	7.04, 7.08	
1845	702	—	382	—	off curve	587 ✓
1852	1783	1783	963	963	8.34, 8.34	
1882	1720	1720	939	939	7.91, 7.91	
1844	1711	1722	928	935	7.75, 7.85	
1852	1529	—	825	—	6.59	51 x
1859	1759	—	946	—	8.05	583 v
1858	1676	1679	903	904	7.42, 7.43	
1847	1657	—	898	—	7.34	570 v
1843	1723	1764	935	957	7.85, 8.22	
1837	1747	—	951	—	8.13	
1835	1781	1786	972	974	off curve, off curve	
1815	1579	1582	869	872	7.01, 7.04	
1817	1684	1678	927	922	7.76, 7.67	
1837	1750	1750	952	952	8.13, 8.13	
1837	1776	1773	968	965	8.42, 8.39	

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1929phae.proj.1267C

Dgp-RA 1483- Sept 19, 1929

Trip	Class	Star	Y	K	Dfl	Dfl	cl	Dk	Date
22.0	p	56	2200	393	1899	—	1961	117	
	p	57	2200	463	1901	—	1960	120	
	p	83	2200	532	1861	1862	1950	117	
	p	84	2213	597	1720	1720	1904	117	
	p	85	2202	631	1720	1718	1924	113	
	p	86	2193	890	1849	1838	1930	120	
	p	87	2198	908	1798	1790	1922	120	
	p	58	2210	997	1851	—	1944	120	
22.2	p	88	2225	262	1896	1880	1953	120	
	p	89	2232	929	1888	1890	1963	120	
	p	59	2210	562	1899	—	1931	121	
	p	90	2221	614	1790	1769	1907	121	
	p	91	2223	933	1691	1639	1942	119	
	p	92	2219	1071	1823	1832	1926	120	
	p	93	2228	1110	1834	1830	1920	121	
	p	60	2221	1130	1788	—	1910	120	
22.4	p	94	2248	622	1880	1882	1927	121	
22.6	p	95	2270	527	1812	1799	1938	121	
	p	96	2270	881	1837	1839	1930	121	
	p	61	2260	1100	1787	—	1907	121	
		10	2070	840	889	—	1840	122	
		1	1731	710	1242	—	1929	120	
		2	—	—	1371	—	1972	120	
		3	—	—	1483	—	1940	120	
		4	—	—	1481	—	1929	119	
		5	—	—	1612	—	1940	120	
		6	—	—	1688	—	1909	119	
		7	—	—	1772	—	1947	120	
		8	—	—	1851	—	1922	121	515

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1929phae.proj.1267c

Cl - Dk.	Defl. - Dk.	Defl. - Dk.	Reduced	Reduced	Magn.	Rem.
1844	1782	—	967	—	8.40	
1840	1781	—	969	—	8.45	
1833	1744	1746	952	953	8.14, 8.15	
1787	1603	1603	897	897	7.33, 7.33	
1811	1607	1605	887	886	7.21, 7.20	
1810	1729	1718	953	949	8.20, 8.09	
1802	1678	1670	931	927	7.82, 7.75	
1824	1731	—	949	—	8.09	h v
1833	1776	1760	968	960	8.41, 8.31	
1843	1768	1770	959	961	8.28 8.29	
1810	1778	—	972	—	off curve	496 ×
1786	1669	1648	934	922	7.85 7.69	
1823	1512	1520	830	834	6.61 6.64	
1800	1703	1712	947	953	8.07 8.13	
1799	1713	1709	953	950	8.13 8.11	
1790	1668	—	931	—	7.80	118 v
1806	1759	1761	972	974	—	
1817	1691	1678	932	924	7.82 7.70	
1809	1716	1712	948	947	8.10 8.08	
1786	1666	—	933	—	7.83	b v
1718	767	—	448	—		
1809	1122	—	621	—		
1852	1261	—	677	—		
1820	1363	—	750	—		
1810	1362	—	764	—		
1820	1492	—	819	—		
1796	1569	—	876	—		
1827	1652	—	903	—		
1801	1730	—	960	—		

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FMC RH 1483 Sept. 20, 1929

Trip	Class	Star	y	z	Dyf	Dyf	Cc	Dk	Nets
		1S	2070	850	860	—	1900	078	
		1	1731	719	1190	—	1920	080	
		2	—	—	1349	—	1970	080	
		3	—	—	1490	—	1950	085	
		4	—	—	1515	—	1960	082	
		5	—	—	1600	—	1943	085	
		6	—	—	1710	—	1939	088	
		7	—	—	1771	—	1969	089	
		8	—	—	1875	—	1950	090	
22.8	f	62	2291	331	1473	—	1981	090	
	f	97	2284	490	1570	1525	1970	100	
	f	63	2299	707	1610	—	1944	100	
	f	64	2295	968	1539	—	1970	100	
23.0	f	98	2319	252	1918	1901	1991	100	
	f	99	2300	1181	1610	1620	1940	100	
23.4	f	65	2351	331	1833	—	1990	101	
	f	100	2340	560	1872	1872	1954	101	
	f	66	2340	759	1800	—	1945	100	
	f	101	2350	1039	1508	1530	1956	103	
	f	67	2349	1270	1852	—	1970	108	
23.6	f	68	2370	221	1829	—	2010	108	
	f	102	2359	310	1809	1791	8000	105	
	f	103	2370	890	1861	1880	1961	105	
	f	104	2362	1186	1450	1460	1975	109	
23.8	f	105	2390	1170	1802	1802	1970	110	
		1S	2070	850	821	—	1952	110	
		1	1731	719	1220	—	1973	110	
		2	—	—	1353	—	2001	110	
		3	—	—	1471	—	1989	111	
		4	—	—	1500	—	1990	111	

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1929phae.proj.1287c

Cl.-Dk.	Decl.-Dk.	Decl.-Dk.	Reduced	Reduced	Magn.	L. No.
1822	782	—	429	—		
1840	1170	—	603	—		
1890	1269	—	671	—		
1865	1405	—	763	—		
1878	1433	—	763	—		
1858	1515	—	863	—		
1851	1622	—	877	—		
1880	1682	—	895	—		
1860	1785	—	962	—		
1891	1383	—	732	—	5.73	536 x
1870	1410	1415	754	757	5.84 5.86	
1844	1510	—	818	—	6.56	376 v
1870	1439	—	769	—	6.08	205 v
1897	1818	1801	967	963	8.30 8.17	
1840	1510	1520	822	827	6.54 6.56	
1889	1732	—	917	—	7.65	523 x
1853	1771	1771	958	958	8.28 8.28	
1845	1700	—	922	—	7.80	338 v
1852	1405	1427	759	772	5.89 6.02	
1862	1744	—	938	—	7.95	135 x
1902	1721	—	905	—	7.49	
1895	1704	1686	898	888	7.35 7.26	
1856	1768	1775	946	967	8.05, 8.21	
1872	1347	1357	720	724	5.57 5.53	
1860	1692	1712	910	921	7.50, 7.65	
1842	711	—	386	—		
1863	1110	—	697	—		
1891	1243	—	658	—		
1878	1360	—	723	—		
1878	1389	—	739	—		
1879						

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7mc RH 1483 Sept. 20, 1929

Strip	Cluster	Star	y	x	Dyf	Dyf	cc	dk	Notes
		5	—	—	1601	—	1965	110	
		6	—	—	1749	—	1979	111	
		7	—	—	1812	—	1999	111	
		8	—	—	1909	—	1980	111	
		Zgl - RH 1483 -			Sept		20, 1929		
		12	2070	850	827	—	1870	092	505
		1	1731	719	1219	—	1943	091	
		2	—	—	1371	—	1997	095	
		3	—	—	1490	—	1977	095	
		4	—	—	1503	—	1988	098	
		5	—	—	1621	—	1970	099	
		6	—	—	1741	—	1970	101	
		7	—	—	1815	—	1997	100	
		8	—	—	1915	—	1971	101	
24.0	f	106	2412	321	1653	1643	1992	100	
	p	69	2402	527	1793	—	1980	100	
	p	70	2415	696	1887	—	1960	100	
	p	71	2400	881	1610	—	1949	100	
	p	72	2401	986	1637	—	1959	101	
24.2	p	73	2424	321	1876	—	1981	101	
	f	107	2431	425	1721	1753	1971	104	
	f	108	2418	430	1817	1837	1967	103	
	p	74	2430	437	1552	—	1972	102	
	f	109	2421	579	1877	1888	1963	103	
	p	75	2429	868	1587	—	1935	103	
	f	110	2417	1078	1679	1603	1950	104	
24.4	f	111	2447	458	1917	1883	1980	107	
	f	112	2452	467	1807	1781	1959	109	
	f	113	2440	850	1840	1817	1922	108	

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1929phae.proj.1267c

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L.No.
1855	1491	—	804	—		
1868	1638	—	876	—		
1888	1701	—	901	—		
1869	1798	—	962	—		
1778	735	—	413	—		
1852	1128	—	610	—		
1902	1276	—	673	—		
1882	1395	—	742	—		
1890	1405	—	743	—		
1871	1522	—	814	—		
1869	1640	—	878	—		
1897	1715	—	903	—		
1861	1814	—	975	—		
1882	1553	1543	824	820	8.55, 6.52	
1880	1693	—	902	—	7.37	451 ✓
1860	1787	—	962	—	8.13	
1849	1510	—	817	—	6.64	279 ✓
1858	1536	—	827	—	6.73	240 ✓
1871	1775	—	948	—	7.90	509 ✓
1867	1617	1649	866	882	6.99, 7.15	
1864	1714	1734	918	931	7.60, 7.80	
1870	1450	—	776	—	6.28	474 ✓
1860	1774	1785	954	961	8.19 8.30	
1832	1484	—	812	—	6.62	294 ✓
1846	1575	1499	853	812	6.95 6.62	
1873	1810	1776	967	948	8.20 7.98	
1850	1698	1672	916	904	7.57 7.38	
1804	1735	1709	962	946	8.14 7.88	

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NGP-RH 1483 - Sept 20, 1929

Strip	Class	Star	y	x	Dep1	Dep2	cl	clk	Volts
24.6	p	76	2473	919	1719	—	1981	110	
	p	77	2470	831	1881	—	1989	111	
	p	78	2478	842	1757	—	1940	112	
	f	114	2471	1019	1877	1873	1942	113	
24.8	p	79	2480	452	1836	—	1969	112	
	p	80	2499	569	1743	—	1943	112	
	p	81	2478	964	1789	—	1940	112	
25.0	f	115	2500	917	1773	1778	1953	118	
	p	82	2508	1059	1789	—	1993	113	
25.2	p	83	2520	541	1503	—	1963	117	
	p	84	2520	718	1862	—	1959	116	
	f	116	2530	1054	1740	1746	1969	120	
	p	85	2532	1074	1213	—	1980	119	
25.4	f	117	2540	879	1828	1829	1954	117	
	f	118	2538	993	1694	1702	1980	120	
	p	86	2535	1028	1851	—	1972	118	
25.6	f	119	2570	539	1891	1909	1962	119	
	f	120	2563	939	1687	1667	1980	120	
	f	121	2560	991	1601	1590	1965	120	
	p	87	2573	1091	1400	—	1969	119	
	p	88	2578	1098	906	—	1950	119	
25.8	p	89	2590	481	1818	—	1983	120	
	p	90	2590	913	1637	—	1980	121	
26.0	f	122	2609	551	1520	1508	1999	121	
	f	123	2600	762	1812	1819	1978	121	
	f	124	2601	903	1599	1598	1950	121	
	f	125	2610	1021	1850	1792	1960	122	
	p	91	2609	1029	1800	—	1971	122	
26.2		10	2070	850	904	—	1920	119	
		1	1731	719	1260	—	1950	119	

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Obl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1871	1609	—	861	—	7.01	498 ×
1822	1770	—	972		8.33	C ×
1828	1645	—	902	—	7.38	2a ×
1829	1764	1760	965	963	8.19 8.15	
1857	1724	—	427	—	7.67	420 57 ×
1831	1631	—	892	—	7.28	264 420 ×
1828	1677	—	917		7.53	268 ×
1835	1656	1660	902	903	7.36, 7.36	
1880	1676	—	892	—	7.28	206 ×
1846	1386	—	760		6.05	426 ×
1843	1747	—	948		7.90	239
1849	1620	1626	877	880	7.15 7.17	
1861	1094	—	588	—	4.40	239 ×
1837	1711	1706	932	928	8.21, 8.17	
1860	1574	1582	847	851	6.83 6.92	
1854	1733	—	935		7.74	225 ×
1843	1772	1790	963	972	8.15 8.31 6.17 6.25	
1860	1567	1547	842	833	6.84 6.77	
1845	1481	1470	803	797	6.52 6.48	
1850	1281	—	693	—	5.53	242
1831	787	—	429		2.66	242 ×
1863	1698	—	911	—	7.48	12 ×
1869	1516	—	815		6.63	297 ×
1878	1399	1387	746	738	6.02, 5.95	
1859	1691	1698	911	914	7.49 7.57	
1829	1478	1477	808	807	6.58 6.58	
1838	1725	1676	940	908	7.80 7.59	
1849	1728	—	934	—	7.73	
1801	785		437		2.46	
1831	1141		624		4.81	

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Hyp-RH 1483 - Sept 20, 1929

Strip	Class	Star	y	x	Dyll	Dxll	α	Dk	Volts
Plate		2	—	—	1461	—	1988	119	
		3	—	—	1509	—	1969	120	
		4	—	—	1517	—	1982	120	
		5	—	—	1630	—	1963	119	
		6	—	—	1736	—	1957	120	
		7	—	—	1813	—	1981	120	
		8	—	—	1898	—	1959	121	505
Finished									

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Cl. - Dk.	Defl. - Dk.	Defl. - Dk.	Red. to 1	Reduced	Magn.	L. No.
1969	1282	—	653	—		
1949	1389	—	712	—		
1962	1397	—	712	—		
1952	1511	—	774	—		
1837	1616	—	878	—		
1861	1693	—	909	—		
1838	1877	—	1002	—		

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