1928phae.proj.1263c

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63

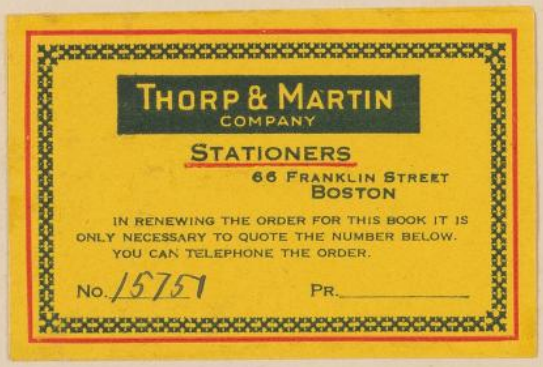
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bγ5
bγ4
δδ4
682

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1928phae.proj.12632

Cl. Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced
1006	6	—	6	—
1010	51	—	49	—
1010	105	—	103	—
1007	211	—	209	—
1050	218	—	145	—
1064	316	—	193	—
1108	580	—	523	—
1103	602	—	546	—
1111	912	—	821	—
1106	1058	—	952	—
1136	671	687	592	606
1149	551	489	480	426
1181	1035	1040	876	880
1176	1048	903	893	716
1190	130	170	108	430
1187	984	1024	829	858
973	892	—	908	—
966	15	—	16	—
961	99	—	94	—
967	110	—	114	—
967	170	—	176	—
988	180	—	184	—
988	300	—	320	—
979	482	—	493	—
982	589	—	601	—
989	810	—	820	—
975	921	—	935	—

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Nov. 14 morning

RH 695, No 2p

Rejected for battery trouble

3

Strip	Class	Star	y	x	Defl.	Defl.	Cl	Dk	Voltage
	p	1s	1910	625	210	—	1210	204	5.42
	p	1	2219	819	260	—	1219	209	battery
	p	2	2180	433	315	—	1220	210	on
	p	3	2039	469	421	—	1217	210	
	p	4	2183	808	428	—	1260	210	
	p	5	1920	600	527	—	1275	211	
	p	6	1820	760	790	—	1318	210	
	p	7	1833	881	820	—	1321	218	
	p	8	1880	625	1131	—	1330	219	
	p	9	1862	619	1281	—	1323	223	
12.8	f		1288	729	900	916	1365	229	
13.0	f		1300	651	771	709	1369	220	
13.2	p		1311	470	570	—	Can't be measured		too near inkline
	f		1321	601	1255	1260	1401	220	
	f		1329	604	1263	1115	1391	215	
	f		1322	663	360	400	1430	230	
	f		1335	819	1220	1260	1423	236	
	p		1330	890	1122	—	1432	230	
	p	1s	1910	626	230	—	1188	215	5.1
		1	2219	820	310	—	1180	220	Battery turned off
		2	2180	432	330	—	1181	220	
		3	2039	468	391	—	1188	221	
		4	2183	807	400	—	1208	220	
		5	1920	600	520	—	1199	220	
		6	1820	760	701	—	1201	219	
		7	1833	881	810	—	1208	221	
		8	1880	622	1035	—	1200	225	
		9	1862	619	1145	—	1209	224	

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1928phae.proj.12630

4

Obs. Dk.		1st Dfl.-Dk	2nd Dfl-Dk	Reduced deflections		Mag. (unbar.)	L. No. Pole
959	10	5		5	—	2.40	-
939	1	36	—	38	—	4.27	-
955	2	95	—	78	—	5.09	-
950	3	178	—	187	—	5.88	-
975	4	195	—	200	—	5.95	-
950	5	293	—	307	—	6.46	-
998	6	478	—	479	—	7.12	-
979	7	588	—	602	—	7.56	-
969	9	965	=	996	—	8.34	-
925	8	790 594	589	857 607	602	(a) ~~8.66~~ (b) ~~8.128.72~~	-
979		412	413	421	422	6.87, 6.87	
977		805	823	833	846	8.21, 8.24	
973		757	747	778	768	8.03, 7.99	
972		108	116	111	119	5.49, 5.53	
974		803	782	834	812	8.21, 8.13	
963		764	—	785	—	805 ~~8.11~~	a
973		822	814	833	825	8.21, 8.18	
986		725	715	745	734	7.92, 7.89	
973		791	783	820	812	8.16, 8.14	
964		854	853	881	879	8.35, 8.35	
969		881	871	915	905	8.46, 8.44	
963		765	—	788	—	~~7.97~~ ~~8.04~~ 805	462
970		517	—	542	—	730 ~~7.34~~	464
955	10	9	—	10	—	3.04	
939	1	47	—	51	—	4.74	
922	2	72	—	77	—	5.12	
940	3	168	—	179	—	5.83	
939	4	188	—	194	—	5.90	
966	5	335	—	353	—	6.63	
950							

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1928phae.proj.12630

Nov 14 afternoon

RH 695, no up

Strip	Class	Star	y	x	Defl	Defl	cl	Dk
	p	18	1910	573	215	—	1169	210
	p	1	2219	768	252	—	1155	216
	p	2	2180	381	290	—	1170	215
	p	3	2039	416	388	—	1160	210
	p	4	2183	754	408	—	1188	213
	p	5	1920	549	513	—	1170	220
	p	6	1820	709	690	—	1190	212
	p	7	1833	830	808	—	1199	220
	p	8	1880	572	1010	—	1189	220
	p	9	1862	569	1185	—	1145	220
12.8	f	1	1288	676	815	870	1200	221
13.0	f	2	1300	600	637	638	1202	225
13.2	f	3	1321	550	1030	1048	1198	225
	f	4	1329	551	980	970	1195	223
	f	5	1322	612	330	338	1196	222
	f	6	1335	765	1030	1009	1190	227
	p	1	1330	839	989	—	1198	225
	f	7	1330	851	1049	1041	1213	227
13.4	f	8	1355	476	950	940	1198	225
	f	9	1339	612	1018	1010	1191	227
	f	10	1341	702	1082	1080	1197	228
	f	11	1344	735	1110	1100	1192	229
	p	2	1339	945	985	—	1190	220
	p	3	1342	950	745	—	1183	228
	p	10	1910	573	229	—	1159	220
	p	1	2219	768	265	—	1140	218
	p	2	2180	381	293	—	1161	221
	p	3	2039	416	390	—	1161	222
	p	4	2183	754	439	—	1187	221
	p	5	1920	549	555	—	1176	220

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1928phae.proj.1263

		1st Defl.-Dk.	2nd Defl.-Dk.	Reduced defl.		Mag.	L.No. Pole
967	6	461	—	477	—	7.10	
967	1	539	—	557	—	7.39	
959	8	805	—	840	—	8.29	
960	10	2	—	2	—	2.55	
950	1	38	—	40	—	4.54	
970	2	95	—	98	—	5.38	
965	3	139	—	144	—	5.784	
988	4	188	—	190	—	6.05	
973	5	274	—	281	—	6.49	
985	6	457	—	469	—	7.18	
980	7	527	—	538	—	7.37 ~~7.43~~	
981	8	796	—	812	—	8.29	
972		660	652	679	671	7.85, 7.82	
984		724	711	736	723	8.03, 7.99	
971		784	786	806	810	7.28, 7.29	
960		602	—	626	—	7.66	
959		534	532	556	554	7.44, 7.43	
964		488	475	507	494	7.27, 7.23	
945		307	305	320	318	6.60, 6.59	
951		440	—	462	—	7.11	297
943		761	767	807	813	8.27, 8.29	
958		261	—	273	—	6.41	426
968		529	—	548	—	7.40	498
951		157	—	165	—	5.86	
942		685	681	726	722	7.99, 7.95	
948		652	669	687	705	7.85, 7.94	
956		623	613	648	638	7.75, 7.71	

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1928phae.proj.12630

RH 695 no up

Strip	Class	Star	y	x	Defl	Defl	Cl	Dk
	p	6	1820	709	684	—	1190	223
	p	7	1833	836	759	—	1187	220
	p	8	1880	572	1035	—	1189	230
	p	9	1862	567	too faint to be seen			
← Nov. 15th								
	p	1a	1910	581	220	—	1178	218
	p	1	2219	775	258	—	1170	220
	p	2	2180	390	315	—	1190	220
	p	3	2039	423	360	—	1186	221
	p	4	2183	762	410	—	1210	222
	p	5	1920	557	500	—	1199	226
	p	6	1820	718	680	—	1206	221
	p	7	1833	839	750	—	1203	223
	p	8	1880	581	1025	—	1210	229
	p	9	1862	too	faint to give accurate measure			
13.6	f	12	1369	346	890	882	1202	230
	f	13	1355	484	956	943	1216	232
13.8	f	14	1385	779	1023	1025	1210	239
14.0	fp	4	1401	307	832	—	1190	230
	f	15	1409	341	772	770	1197	238
	f	16	1406	359	726	713	1202	238
	f	17	1400	392	542	540	1180	235
	fp	4a	1411	421	673	—	1184	233
	f	18	1400	701	1000	1006	1182	239
	fp	5	1409	801	500	—	1197	239
	fp	6	1410	1033	761	—	1200	232
14.2	f	19	1436	350	388	380	1182	231
	f	20	1433	547	923	919	1180	238
	fp	21	1420	559	891	908	1187	239
	f	22	1429	784	860	850	1193	237

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1928phae.proj.12631

8

Obl.-Dk.		1st Deff.-Dk.	2nd Deff.-Dk.	Reduced defl.		Mag.	L.No. Pole
946		631	—	667	—	7.81	420
974		704	—	723	—	7.99	457
941		521	519	554	552	7.43,7.42	
958		727	—	759	—	8.10	
917	1a	3	—	3	—	2.55	
929	1	34	—	37	—	4.38	
909	2	80	—	88	—	5.20	
921	3	138	—	150	—	5.79	
951	4	168	—	177	—	5.93	
937	5	270	—	288	—	6.47	
949	6	442	—	466	—	7.12	
944	7	516	—	546	—	7.40	
950	8	789	—	831	—	8.34	
924	1a	10	—	10	—	2.69	
913	1	36	—	32	—	4.22	
927	2	70	—	75	—	5.22	
931	3	141	—	151	—	5.75	
942	4	180	—	190	—	5.93	
932	5	288	—	308	—	6.47	
941	6	451	—	479	—	7.12	
938	7	520	—	555	—	7.40	
946	8	778	—	822	—	8.33	
935		269	—	287	—	6.37	242
935		733	731	783	781	8.19,8.19	
939		677	678	721	722	7.99,7.99	
955		288	—	301	—	6.44	474
946		719	—	768	—	8.14	509
931		82	83	88	89	5.35,5.35	

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Nov 15th morning RH 695 No 2p

Strip	Class	Star	y	x	Defe	Defe	Ce	Dk
	p	7	1437	780	870	—	1185	239
	p	8	1430	896	939	—	1209	235
	f	23	1420	922	761	759	1181	240
14.4	p	9	1441	630	966	—	1197	239
	p	1A	1910	581	235	—	1149	232
	p	1	2219	775	265	—	1140	231
	p	2	2180	390	310	—	1159	230
	p	3	2039	423	368	—	1151	230
	p	4	2183	762	399	—	1182	231
	p	5	1920	557	509	—	1176	239
	p	6	1820	718	681	—	1188	239
	p	7	1833	839	753	—	1181	237
	p	8	1880	581	1021	—	1182	232
	p	9	too faint to measure					
Nov 15 afternoon								
	p	1A	1910	560	236	—	1150	226
	p	1	2219	753	256	—	1133	220
	p	2	2180	369	295	—	1152	225
	p	3	2039	401	365	—	1155	224
	p	4	2183	741	403	—	1170	223
	p	5	1920	534	515	—	1159	227
	p	6	1820	695	680	—	1170	229
	p	7	1833	817	750	—	1168	230
	p	8	1880	559	1010	—	1178	232
14.6	p	10	1461	229	500	—	1166	231
	f	24	1467	330	967	965	1169	234
	f	25	1459	397	911	912	1173	234
	pe	11	1475	900	523	—	1190	235
	p	12	1460	1014	955	—	1182	236
14.8	f	26	1485	239	320	321	1169	238

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1928phae.proj.12630

0 - Dk.		1st Defl. - Dk.	2nd Defl. - Dk.	Reduced defl.		Mag.	L. No. Pole
935		105	—	112	—	5.52	239
943		777	—	822	—	8.32	225
930		615	619	657	661	7.77, 7.78	
949		445	457	470	482	7.10, 7.14	
957		520	540	544	564	7.37, 7.44	
945		714	718	755	759	8.10, 8.11	
941		753	751	800	798	8.25, 8.25	
941		645	—	685	—	7.86	534
948		128	—	136	—	5.67	540
914	1a.	4	—	4	—	2.35	
915	1.	35	—	38	—	4.50	
916	2.	66	—	72	—	5.20	
914	3.	133	—	145	—	5.73	
938	4.	170	—	181	—	5.90	
924	5.	272	—	294	—	6.42	
934	6.	443	—	473	—	7.11	
944	7.	513	—	543	—	7.36	
936	8.	763	—	814	—	8.30	
953	1a	13	—	14	—		
935	1	32	—	34	—		
951	2	77	—	81	—		
953	3	143	—	150	—		
969	4	176	—	182	—		
960	5	276	—	287	—		
974	6	454	—	465	—		
978	7.	519	—	528	—		
972	8.	783	—	804	—		
966		593	—	613	—	7.64	C
957		68	75	71	78	5.10, 5.17	

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Nov 15 RH695, No 2 up

Strip	Class	Star	y	x	Defl	Defl	Cl	Dk
	p	13	1497	252	340	—	1170	235
	p	14	1488	300	1008	—	1174	231
	f	27	1480	359	849	853	1164	234
	f	28	1489	635	680	692	1184	235
	f	29	1491	636	750	770	1187	230
	f	30	1499	633	950	954	1181	236
	f	31	1488	820	992	990	1180	239
	p	32	1495	1120	885	—	1181	240
	p	15	1495	1150	367	—	1187	239
	p	1A	1910	560	240	—	1150	236
	p	1	2219	753	265	—	1145	230
	p	2	2180	369	303	—	1153	237
	p	3	2039	401	368	—	1149	235
	p	4	2183	741	401	—	1169	231
	p	5	1920	534	510	—	1162	238
	p	6	1820	695	679	—	1170	236
	p	7	1833	817	748	—	1179	235
	p	8	1880	559	1002	—	1175	239
Nov 16th-morning								
	p	1A	1910	590	238	—	1178	225
	p	1	2219	782	262	—	1165	230
	p	2	2180	398	306	—	1180	229
	p	3	2039	431	371	—	1181	228
	p	4	2183	770	406	—	1199	230
	p	5	1920	563	508	—	1192	232
	p	6	1820	727	687	—	1207	233
	p	7	1893	846	751	—	1216	232
	p	8	1880	589	1015	—	1204	232
15.0	p	16	1509	521	820	—	1195	229
	f	32	1504	703	299	306	1188	231

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1928phae.proj.12630

12

	1st Defl.-Dk.		2nd Defl.-Dk.			L No. Pole
964	681	670	705	694	7.95, 7.94	
956	487	480	509	502	7.28, 7.24	
968	615	—	635	—	7.73	264
971	705	702	725	722	8.04, 8.03	
965	639	—	651	—	7.79	451
966	650	—	672	—	7.87	523
945	575	—	607	—	7.62	206
953	791	776	873	858	8.59, 8.53	
961	746	743	775	772	8.23, 8.22	
961	754	—	783	—	8.26	"
971	381	374	392	385	6.81, 6.82	
971	754	—	773	—	8.22	425
941	731	732	781	776	8.26, 8.23	
950	745	739	784	778	8.27, 8.24	
943	315	—	333	—	6.63	294
949	240	240	254	254	6.33, 6.33	
961	651	651	678	678	7.85, 7.88	
933	534	532	572	570	7.50, 7.47	
943	512	510	542	540	7.40, 7.38	
928	608	605	656	653	7.81, 7.80	
945	287	294	303	310	6.53, 6.56	
960	548	548	569	569	7.48, 7.49	
942	323	—	342	—	6.68	279
956	680	683	711	714	8.00, 8.01	
951	626	625	658	657	7.81, 7.80	
950	698	735	736	773	8.08, 8.22	
962	134	—	139	—	5.71	536
928 r	7	—	8	—		
925	31	—	33	—		
928.2	76	—	82	—		

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1928phae.proj.12630

Nov. 16th RH 695, no 2p

Voltage 5.1

Strip	Class	Star	y	x	Defl	Defl	Cl	Dk
15.0	f	33	1515	750	915	904	1198	234
15.2	f	34	1520	201	720	713	1189	233
	p	17	1530	401	846	—	1199	231
	f	35	1526	698	944	941	1210	239
	p	18	1520	845	845	—	1201	236
	p	19	1534	1045	890	—	1206	240
15.4	p	20	1539	204	811	—	1181	236
	f	36	1550	468	1025	1010	1187	234
	f	37	1552	592	985	982	1200	239
	p	21	1540	649	995	—	1202	241
	f	38	1549	766	620	613	1210	239
	p	22	1557	777	991	—	1208	237
15.6	f	39	1559	211	977	972	1181	240
	f	40	1560	385	983	977	1188	238
	p	23	1560	507	555	—	1183	240
	f	41	1565	1045	480	480	1189	240
	f	42	1568	1030	890	890	1200	239
15.8	f	43	1589	159	742	740	1171	238
	f	44	1581	175	749	747	1180	237
	f	45	1579	237	843	840	1163	235
	f	46	1589	324	523	530	1181	236
	f	47	1583	353	788	788	1200	240
	p	24	1592	497	563	—	1182	240
	f	48	1579	554	922	925	1198	242
	f	49	1580	619	865	864	1190	239
	f	50	1585	997	938	975	1190	240
	p	25	1592	1055	371	—	1199	237
	p	1A	1910	590	239	—	1160	232
	p	1	2219	782	264	—	1149	234
	p	2	2180	398	308	—	1166	232

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1928phae.proj.12630

D-Dk		1st Deff.-Dk	2nd Deff.-Dk	Reduced Deff.		Mag.	
927	3.	131	—	142	—		
945	4	167	—	177	—		
943	5.	267	—	282	—		
950	6.	443	—	466	—		
949	7.	511	—	540	—		
951	8	765	—	806	—		
940	1°	5	—	5	—		
932	1	32	—	34	—		
937	2	70	—	75	—		
936	3	133	—	142	—		
962	4	173	—	179	—		
950	5	267	—	281	—		
961	6	447	—	464	—		
959	7	525	—	546	—		
964	8	773	—	801	—		
943		406	—	431	—	699	240
941		485	487	515	517	7.28, 7.29	
952		669	672	700	703	7.42, 7.44	
951		534	535	560	561	7.43, 7.44	
930		336	336	361	361	6.74, 6.74	
935		611	610	652	651	7.76, 7.75	
936		654	—	699	—	792	274
919		602	596	653	647	7.77, 7.74	
925		608	—	657	—	778	338
951		503	480	543	518	7.37, 7.28	
938		575	570	612	607	7.61, 7.67	
950		546	542	575	571	7.48, 7.47	
939		30	32	32	34	4.29, 4.31	
915		645	633	704	692	7.93, 7.90	

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1928phae.proj.12630

TH 695, No 4p

Strip	Class	Star	y	x	Dcll	Dcll	Cl	Ok	
	p	3	2039	431	369	—	1165	238	
	p	4	2183	770	408	—	1186	241	
	p	5	1920	563	511	—	1187	244	
	p	6	1820	724	683	—	1190	240	
	p	7	1833	846	750	—	1188	239	
	p	8	1880	589	1005	—	1191	240	
Nov 17th - morning									Volt. 5.1
	p	1S	1910	557	235	—	1170	230	
	p	1	2219	750	262	—	1162	230	
	p	2	2180	364	302	—	1169	232	
	p	3	2039	398	364	—	1167	231	
	p	4	2183	737	403	—	1192	230	
	p	5	1920	536	500	—	1183	233	
	p	6	1820	690	678	—	1192	231	
	p	7	1833	811	755	—	1189	230	
	p	8	1880	554	1008	—	1199	235	
16.0	p	26	1609	360	643	—	1180	237	
	f	51	1599	432	725	727	1181	240	
	f	52	1605	500	910	913	1193	241	
	f	53	1602	520	773	774	1190	239	
16.2	f	54	1620	211	575	575	1169	239	
	f	55	1624	283	851	850	1175	240	
	p	27	1625	466	895	—	1177	241	
	f	56	1620	592	846	840	1163	244	
	p	28	1627	592	855	—	1172	247	
	f	57	1619	1049	840	817	1188	237	
	f	58	1634	1040	818	813	1181	243	
	f	59	1632	1049	786	782	1190	240	
	f	60	1630	1187	270	272	1179	240	
16.4	f	61	1649	154	890	878	1160	246	

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1928phae.proj.12630

G–Dk.		1st Defl.-Dk	2nd Defl.-Dk.	Red. defl.		Mag.	L. No. Pole
910		309	313	340	344	6.67, 6.69	
936		254	—	273	—	645	183
908		534	523	586	575	7.52, 7.48	
923		489	492	529	532	7.33, 7.34	
931		232	230	248	246	6.30, 6.29	
933		577	569	618	610	7.64, 7.60	
900	1ª	2	—	2	—		
884	1.	32	—	36	—		
897	2.	67	—	70	—		
897	3.	125	—	140	—		
920	4.	165	—	179	—		
915	5.	255	—	278	—		
924	6.	431	—	466	—		
913	7.	491	—	536	—		
913	8.	750	—	820	—		
908	1ª	13	—	14	—		
904	1.	39	—	43	—		
902	2.	67	—	74	—		
898	3.	131	—	146	—		
926	4.	172	—	186	—		
917	5.	266	—	290	—		
926	6.	438	—	473	—		
925	7.	498	—	539	—		
923	8.	746	—	807	—		
900		747	741	829	823	8.38, 8.36	
916		288	—	315	—	656	183
915		547	547	597	597	7.56, 7.56	
923		488	486	528	526	7.32 7.32	
937		299	—	319	—	658	376
822		73	77	89	93	5.37, 5.41	

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1928phae.proj.1263C

Nov. 14th

RH 695, no up

Strip	Class	Star	y	x	Dsfl.	Dsfl.	cc	Dk	
	f.	62	1650	191	535	509	1156	246	
	f.	29	1657	238	506	—	1172	242	
	f.	63	1655	284	781	770	1155	247	
	f.	64	1642	328	737	740	1171	248	
	f.	65	1648	771	475	473	1174	243	
	f.	66	1638	827	827	819	1183	250	
	p	10	1910	555	246	—	1144	244	Volt = 5.08
	p	1	2219	749	278	—	1130	246	
	p	2	2180	363	310	—	1140	243	
	p	3	2039	396	368	—	1140	243	
	p	4	2183	737	406	—	1161	241	
	p	5	1920	530	502	—	1162	247	
	p	6	1820	690	673	—	1166	242	
	p	7	1833	811	740	—	1162	249	
	p	8	1880	554	1000	—	1163	250	
Nov. 19th	p	10	1910	563	244	—	1139	231	Volt 4.92
	p	1	2219	756	269	—	1134	230	
	p	2	2180	371	300	—	1135	233	
	p	3	2039	404	363	—	1130	232	
	p	4	2183	743	402	—	1156	230	
	p	5	1920	537	501	—	1152	235	
	p	6	1820	698	671	—	1159	233	
	p	7	1833	819	734	—	1161	236	
	p	8	1880	561	985	—	1162	239	
16.6	f	67	1658	129	987	981	1140	240	
	f	30	1657	246	525	—	1153	237	
	f	68	1668	262	782	782	1150	235	
	f	69	1676	627	726	724	1161	238	
	f	31	1661	662	529	—	1167	230	
16.8	f	70	1694	190	306	310	1055	233	

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1928phae.proj.12630

1918 Dk.	Defl.-Dk	Defl.-Dk	Reduced defl.		Mag.	L. No. Pole
906	276	288	305	317	6.52, 6.57	
917	272	272	297	297	6.49, 6.49	
939	695	690	741	736	8.07, 8.05	
943	668	668	708	708	7.97, 7.97	
915	—	205	—	224		
910	0	0	0	0	0, 0	
908	650	648	716	714	7.98, 7.97	
933	677	678	725	726	8.01, 8.02	
951	739	732	776	769	8.20, 8.18	
917	750	—	819	—	834	135
914	694	689	706	701	7.95, 7.93	
918	539	536	587	584	7.53, 7.52	
920	677	675	735	733	8.05, 8.04	
923	710	710	759	759	8.14, 8.14	
918	704	—	766	—	816	583
927	596	596	644	644	7.73, 7.73	
898	735	735	817	817	8.31, 8.34	
894	696	697	777	778	8.20, 8.21	
899	485	486	540	541	7.36, 7.37	
909	699	696	769	766	8.13, 8.16	
901	60	60	62	62	5.04, 5.04	
912	600	601	658	659	7.78, 7.79	
910	527	—	578	—	749	570
916	411	411	451	457	7.05, 7.05	
888	610	603	688	681	7.84, 7.86	
895	468	471	523	526	7.31, 7.32	
891	585	—	656	—	777	d
901	687	688	761	762	8.14, 8.15	
894	598	562	666	660	7.81, 7.79	
897	542	546	604	608	7.58, 7.60	

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1928phae.proj.12630

Nov. 19th RH695, No 4

Strip	Class	Star	y	x	Δy(E)	Δy(C)	Cl	Dk
16.8	f	71	1684	241	510	522	1140	234
	f	72	1678	329	605	605	1150	233
	f	73	1682	907	955	950	1199	260
	f	74	1682	1182	930	930	1205	262
17.0	f	75	1714	407	—	450	1160	245
	f	76	1714	686	240	240	1150	240
	f	77	1703	995	890	888	1148	240
	f	78	1712	1036	922	923	1178	245
	f	79	1694	1130	981	974	1193	242
17.2	p	32	1718	100	890	—	1157	240
	f	80	1730	226	935	930	1155	241
	f	81	1723	398	783	780	1162	244
	f	82	1732	488	919	917	1162	242
	f	83	1720	993	951	951	1164	241
	p	33	1731	1071	948	—	1162	244
	f	84	1732	1139	839	839	1170	243
17.4	f	85	1742	109	985	975	1148	250
	f	86	1739	294	942	943	1140	246
	f	87	1749	329	728	729	1142	243
	f	88	1752	422	943	940	1153	244
	f	89	1752	479	300	300	1141	240
	f	90	1750	824	846	847	1158	246
	p	34	1740	976	770	—	1153	243
	f	91	1753	1170	660	660	1159	249
17.6	f	92	1768	220	857	850	1135	247
	f	93	1762	248	713	716	1140	245
	p	35	1771	274	832	—	1138	247
	f	94	1763	340	929	930	1143	242
	f	95	1774	555	846	810	1145	248
	f	96	1757	583	785	789	1140	243

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1928phae.proj.12631

		Diff.-Dk.	Diff.-Dk.	Reduced diff.		Mag.	L. No. Pole
901		726	721	804	804	8.29, 8.29	
908		570	—	629	—	768	587
899		31	31	35	35	4.25, 4.25	
914		704	708	721	725	8.00, 8.01	
873	1°	2	—	2	—		
878	1	30	—	34	—		
874	2	63	—	72	—		
876	3	126	—	144	—		
891	4	155	—	174	—		
882	5	250	—	283	—		
894	6	412	—	466	—		
884	7	489	—	552	—		
895	8	732	—	817	—		
927	1°	0	—	0	—		
902	1	49	—	54	—		
929	2	69	—	74	—		
918	3	141	—	154	—		
949	4	173	—	183	—		
931	5	276	—	296	—		
950	6	441	—	464	—		
950	7	508	—	535	—		
944	8	771	—	817	—		
913		484	483	529	528	7.34, 7.33	
923		610	610	659	659	7.78, 7.78	
930		526	520	559	559	7.44, 7.44	
930		628	637	676	685	7.84, 7.87	
930		630	578	678	621	7.86, 7.64	
933		377	378	405	406	6.90, 6.91	
940		547	544	584	581	7.52, 7.51	

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1928phae.proj.1263C

Nov 19th RH695, No 4p

Strip	Class	Star	y	x	Defe	Defe	α	Dk
17.6	f	97	1757	593	970	970	1145	244
	f	96	1778	996	820		1158	250
	f	98	1762	1046	280	280	1148	249
	f	99	1774	1273	954	958	1164	250
	p	1p	1910	563	242	—	1113	240
	p	1	2219	756	270	—	1118	240
	p	2	2180	371	310	—	1121	247
	p	3	2039	404	372	—	1122	246
	p	4	2183	743	463	—	1139	248
	p	5	1920	537	498	—	1130	248
	p	6	1820	698	662	—	1144	250
	p	7	1833	819	730	—	1125	241
	p	8	1880	561	982	—	1145	250
Nov. 20th								
	p	1p	1910	541	280	—	1207	280
	p	1	2219	735	327	—	1180	278
	p	2	2180	350	350	—	1210	281
	p	3	2039	382	423	—	1200	282
	p	4	2183	721	456	—	1232	283
	p	5	1920	515	555	—	1210	279
	p	6	1820	676	726	—	1235	285
	p	7	1833	799	791	—	1233	283
	p	8	1880	540	1056	—	1229	285
17.8	f	100	1783	159	769	768	1198	285
	f	101	1781	263	900	900	1213	290
	f	102	1781	311	810	810	1220	290
	f	103	1780	499	920	929	1222	292
	f	104	1775	534	920	868	1220	290
	f	105	1780	659	665	666	1221	288
	f	106	1778	933	837	834	1230	290

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1928phae.proj.1263C

C.-Dk.	Defl.-Dk.	Defl.-Dk	Reduced defl.		Mag.	L. No. Pole
944	531	533	563	565	7.45, 7.46	
922	479	479	520	520	7.30, 7.30	
913	747	745	818	816	8.32, 8.31	
908	757	757	834	834	8.36, 8.36	
919	619	618	674	673	7.83, 7.82	
929	649	—	700	—	791	118
920	379	375	412	408	6.93, 6.91	
942	650	650	691	691	7.89, 7.89	
920	682	—	791	—	822	..
940	766	763	815	812	8.30, 8.29	
906	284	284	313	313	6.54, 6.54	
908	689	691	758	760	8.11, 8.12	
908	69	67	76	74	5.00, 4.98	
926	539	542	581	584	7.50, 7.52	
934	752	752	804	804	8.27, 8.27	
930	347	—	374	—	678	606
925	766	759	821	820	8.33, 8.31	
910	700	695	768	763	8.14, 8.12	
909	752	752	829	829	8.35, 8.35	
908	723	—	796	—	824	90
911	672	670	735	733	8.03, 8.02	
924	735	733	794	792	8.24, 8.23	
922	713	711	774	772	8.17, 8.16	
923	638	—	690	—	788	601
938	336	—	353	—	671	625
934	662	671	709	718	7.95, 7.98	
941	671	—	722	—	799	647
908 P	2	—	2	—		
895.1	43	—	49	—		

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1928phae.proj.1263C

Nov. 20th RH 695, 20 24

Strip	Class	Star	y	x	Defl	Defl	Cl	Dk
	f	107	1793	1119	821	823	1234	290
18.0	f	108	1803	109	770	770	1213	291
	f	109	1799	114	1037	1035	1203	290
	f	110	1795	119	1050	1050	1201	293
	f	111	1810	180	910	909	1210	291
	p	37	1813	230	939	—	1219	290
	f	112	1800	239	668	664	1209	289
	f	113	1814	326	910	910	1202	260
	p	38	1801	365	962	—	1200	280
	f	114	1800	900	1056	1053	1230	290
	f	115	1811	1208	too	faint		
18.2	f	116	1819	069	578	578	1200	294
	f	117	1835	140	986	988	1205	297
	f	118	1832	368	362	360	1201	293
	f	119	1819	550	837	840	1224	298
	f	120	1820	893	1048	1048	1230	296
	p	39	1819	992	640	—	1223	293
	f	121	1830	990	1061	1054	1220	295
18.4	f	122	1841	128	998	993	1208	298
	f	123	1853	151	1048	1048	1205	296
	p	40	1853	171	1017	—	1202	294
	f	124	1851	379	970	968	1209	298
	f	125	1842	458	1030	1028	1219	295
	f	126	1843	664	1012	1010	1221	299
	p	41	1850	867	938	—	1223	306
	p	42	1857	921	620	—	1228	290
	f	127	1849	1120	952	961	1224	290
	p	43	1858	1183	960	—	1230	289
	p	1A	1910	541	289	—	1187	287
	p	1	2219	735	327	—	1159	284

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1928phae.proj.1263C

24

Ch.-Dk.		1st Deff.-Dk	2nd Deff.-Dk	Reduced deff		Mag.	L.No. Pole
900	2	74	—	82	—		
898	3	142	—	158	—		
923	4	168	—	182	—		
912	5	272	—	298	—		
928	6	439	—	473	—		
925	7	510	—	551	—		
926	8	766	—	828	—		
							Reduction anwe noor
937	1	2	—	2	—		
925	1	41	—	44	—		
944	2	86	—	85	—		
942	3	152	—	161	—		
956	4	176	—	184	—		
941	5	272	—	289	—		
959	6	464	—	486	—		
954	7	521	—	547	—		
960	8	775	—	810 ~~1007~~	—		
954		754	751	790	787	8.20, 8.18	
941		751	—	797	—	822	
946		430	429	458	457	7.03, 7.02	
964		529	—	549	—	735	642
947		225	225	237	237	6.17, 6.17	
960		549	549	571	571	7.44, 7.44	
954		621	624	650	653	7.71, 7.72	
936		634	629	676	671	7.80, 7.78	
927		743	—	801	—	824	105
938		554	548	591	585	7.50, 7.47	
926		430	430	465	465	7.04, 7.04	
926		443	440	479	476	7.10, 7.08	
922		288	—	312	—	650	627

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1928phae.proj.12630

RH695, No 2 up

Strip	Class	Star	y	x	Defe	Defe	Ce	Dk	
	p	2	2180	350	354	—	1180	280	
	p	3	2039	382	421	—	1177	279	
	p	4	2183	721	450	—	1205	2812	
	p	5	1920	515	557	—	1197	285	
	p	6	1820	676	726	—	1209	281	
	p	7	1833	799	790	—	1205	280	
	p	8	1880	540	1051	—	1211	285	
now	2	1st							Net. 5.1
	p	1s	1910	560	245	—	1180	243	
	p	1	2219	753	281	—	1165	240	
	p	2	2180	369	320	—	1184	240	
	p	3	2039	401	389	—	1179	237	
	p	4	2183	740	410	—	1196	234	
	p	5	1920	534	517	—	1176	235	
	p	6	1820	695	705	—	1200	241	
	p	7	1833	816	770	—	1203	249	
	p	8	1880	560	1025	—	1210	250	
18.6	f	128	1864	298	1004	1005	1204	250	
	p	44	1865	350	1003	—	1193	252	
	f	129	1870	360	679	678	1189	249	
	p	45	1872	1010	786	—	1215	251	
	f	130	1870	1088	470	470	1192	245	
	f	131	1869	1209	800	800	1211	251	
	f	132	1863	1240	870	873	1203	249	
18.8	f	133	1888	221	875	870	1177	241	
	p	46	1880	493	997	—	1181	254	
	f	134	1879	620	866	800	1190	252	
	f	135	1882	661	680	680	1176	250	
	f	136	1889	662	693	690	1170	250	
	p	47	1882	830	539	—	1173	251	

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1928phae.proj.1263c

R.-Dk.	1st Defl.-Dk.	2nd Defl.-Dk.	Reduced defl.		Mag.	L.No. Pole
911	278	278	305	305	6.47, 6.47	
940	60	—	64	—	493	660
945	635	635	672	672	7.80, 7.80	
904	677	681	749	753	8.04, 8.06	
913	723	723	791	791	8.20, 8.20	
905	752	750	830	828	8.33, 8.32	
910	720	720	792	792	8.21, 8.21	
907	561	566	620	619	7.60, 7.59	
908	140	140	154	154	5.76, 5.76	
910	530	530	583	583	7.48, 7.48	
911	649	649	710	710	7.92, 7.92	
906	695	—	721	—	697	664
918	641	640	699	698	7.38, 7.37	
925	752	—	810	—	826	..
890	345	345	387	387	6.77, 6.77	
889	365	365	411	411	6.86, 6.86	
881	596	591	624	619	7.61, 7.60	
902	698	698	724	724	7.97, 7.97	
893	125	—	145	—	571	56
902	593	593	605	605	7.55, 7.55	
886	459	—	506	—	720	62
898	592	592	609	609	7.56, 7.56	
896	664	668	746	745	8.04, 8.03	
885	1° 7	—	8	—		
874	1 36	—	41	—		
882	2 71	—	81	—		
870	3 139	—	160	—		
902	4 165	—	184	—		
882	5 268	—	305	—		
902	6445	—	494	—		

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1928phae.proj.1263

Nov. 21st RH 695, No 2 up

Strip	Class	Star	y	x	Defl	Defl	cl	Lk
18.8	f	137	1876	1114	530	530	1163	252
	fp	48	1879	1228	310	—	1190	250
	f	138	1879	1285	890	890	1200	255
19.0	f	139	1911	159	935	939 star lost	1162	258
	f	140	1908	222	980	980	1170	257
	f	141	1895	300	1009	1007	1162	257
	f	142	1911	323	980	980	1170	260
	f	143	1915	512	813	812	1159	252
	f	144	1906	544	389	389	1157	249
	f	146	1913	557	780	782	1160	250
	f	146	1899	650	900	900	1162	251
	fp	49	1910	1000	940	—	1145	245
	f	147	1901	1217	891	890	1168	250
	fp	50	1902	1273	1003	—	1176	251
19.2	f	148	1920	162	600	600	1145	255
	f	149	1938	249	615	615	1139	250
	f	150	1935	253	845	840	1136	249
	f	151	1920	266	948	948	1152	250
	fp	61	1932	280	367	—	1135	242
	f	152	1931	302	841	841	1150	248
	fp	52	1923	362	713	—	1140	254
	f	153	1925	841	851	851	1157	259
	f	154	1922	1267	929	928	1156	260
	fp	15	1910	560	264	—	1142	257
	p	1	2219	753	290	—	1128	254
	p	2	2180	369	329	—	1140	258
	p	3	2039	401	386	—	1120	250
	p	4	2183	740	420	—	1157	255
	p	5	1920	534	524	—	1138	256
	p	6	1820	695	703	—	1160	258

Volt. 5.09

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1928phae.proj.12630

Cl.-Dk.	Defl.-W	Defl.-Dk.	Reduced Deflections		Mags	L. No. Pole
904	1 513	—	568	—		
892	8 764	—	850	—		
899	1e 4	—	4	—		
894	1 30	—	34	—		
908	2 70	—	77	—		
899	3 127	—	141	—		
929	4 159	—	171	—		
919	5 259	—	282	—		
925	6435	—	470	—		
927	7 547	—	591	—		
922	8741	—	803	—		
900	350	—	388	—	683	51
899	728	—	810	—	833	..
904	125	125	138	138	5.78, 5.78	
915	592	—	644	—	775	679
923	634	—	686	—	789	681
889	259	260	292	293	6.47, 6.48	
899	507	509	570	572	7.48, 7.50	
848	600	600	707	707	7.97, 7.97	
897	588	588	654	654	7.78, 7.78	
908	584	584	642	642	7.74, 7.74	
909	724	—	801	—	831	688
909	661	—	729	—	803	683
879	5420	—	~~578~~ 592	—	~~7.56~~ 776	23
887	655	—	739	—	807	e
879	732	—	833	—	842	..
901	723	724	801	799	8.30, 8.29	
900	375	373	417	415	6.94, 6.93	
909	577	591	636	650	7.72, 7.77	

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1928phae.proj.1263

Nov 21st RH 695, No 2 Up

Strip	Class	Star	y	x	Defl	Defl	cl	Dk
	p	7	1833	816	768	—	1159	255
	p	8	1880	560	1020	—	1148	256
Nov. 22								
	p	10	1910	552	260	—	1155	256
	p	1	2219	748	287	—	1151	257
	p	2	2180	360	320	—	1158	250
	p	3	2039	394	377	—	1149	250
	p	4	2188	733	410	—	1180	251
	p	5	1920	527	509	—	1171	250
	p	6	1820	689	683	—	1173	248
	p	7	1833	809	749	—	1179	252
	p	8	1880	550	999	—	1180	258
19.4	p	53	1941	120	608	—	1158	258
	p	54	1953	200	988	—	1159	260
	f	155	1952	752	380	380	1159	255
	p	55	1943	1099	845	—	1168	253
	p	56	1953	1177	893	—	1182	259
19.6	f	156	1959	0912	510	511	1140	251
	f	157	1960	3140	762	764	1154	255
	f	158	1963	422	852	852	1150	252
	f	159	1972	573	842	842	1151	254
	f	160	1960	810	840	840	1164	256
	p	57	1963	1050	982	—	1167	258
	p	58	1971	1230	921	—	1169	260
19.8	p	59	1998	130	780	—	1139	260
	p	60	1993	138	913	—	1145	258
	p	61	1980	250	991	—	1138	259
	f	161	1986	516	983	981	1161	260
	f	162	1998	899	635	633	1160	260
	f	163	1984	1140	838	851	1170	261

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1928phae.proj.12630

	Defl.-Dk.	Defl.-Dk.	Reduced defl.		Mag.	L. No. Pole
877	428	428	488	488	7.20, 7.20	
899	536	536	595	595	7.57, 7.57	
892	633	—	710	—	798	f.
897	487	485	543	541	7.39, 7.38	
895	506	508	564	566		
894	620	—	693	—	792	2n
900	527	528	585	586	7.46, 7.47	
907	460	460	508	508	7.27, 7.27	
908	570	—	628	—	769	713
874	604	—	691	—	791	8
869	296	—	340	—	667	1279
889	729	730	821	821	8.31, 8.37	
888	687	679	773	765	8.24, 8.17	
890	735	—	826	—	838	765
885	1° 13	—	15	—		
866	1 34	—	39	—		
872	2 63	—	72	—		
879	3 122	—	138	—		
899	4 152	—	169	—		
889	5 249	—	280	—		
906	6 420	—	466	—		
906	7 482	—	531	—		
899	8727	—	809	—		
862	1° 1	—	1	—		
850	1 32	—	38	—		
861	2 71	—	82	—		
853	3 125	—	146	—		
882	4 153	—	173	—		
868	5 252	—	290	—		

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1928phae.proj.1263

Nov 22 RH695, No 2 up

Strip	Class	Sta	y	x	Defl	Defl	Cl	Dk	
20.0	f	164	2002	100	689	689	1138	261	
	f	165	2014	133	799	799	1162	263	
	p	62	2010	356	895	—	1154	262	
	f	166	2005	392	745	743	1155	258	
	f	167	2002	630	766	768	1155	260	
	p	63	2009	659	880	—	1154	260	
	f	168	2001	818	790	791	1163	263	
	f	169	2003	968	720	720	1167	260	
	p	64	2000	1000	830	—	1168	260	
20.2	p	65	2036	165	867	—	1137	263	
	p	66	2021	329	557	—	1130	261	
	f	170	2028	489	991	992	1151	262	
	f	171	2034	490	950	942	1151	263	
	p	67	2030	851	995	—	1150	260	
	p	1A	1910	552	265	—	1137	252	
	p	1	2219	748	293	—	1125	259	
	p	2	2180	360	324	—	1133	261	
	p	3	2039	394	381	—	1138	259	
	p	4	2183	733	412	—	1159	260	
	p	5	1920	527	510	—	1150	261	
	p	6	1820	689	680	—	1160	260	
	p	7	1833	809	746	—	1170	264	
	p	8	1880	550	990	—	1162	263	
Nov 23									
	p	1A	1910	568	252	—	1113	251	4.9
	p	1	2219	760	282	—	1100	250	
	p	2	2180	375	320	—	1110	249	
	p	3	2039	410	373	—	1101	248	
	p	4	2183	749	400	—	1129	247	
	p	5	1920	541	499	—	1114	247	

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1928phae.proj.12630

Cl.-Dk.	1st Defl.-Dk.	2nd Defl.-Dk.	Reduced defl		Mag.	L. No. Pole
895	6.415	—	463	—		
886	7.487	—	553	—		
893	8.725	—	808	—		
848	0.714	—	841	—	wk	..
856	205	208	239	242	6.22, 6.24	
866	571	562	663	653	7.83, 7.78	
871	679	679	778	778	8.22, 8.22	
877	633	615	722	703	8.02, 7.95	
870	621	610	713	702	7.99, 7.95	
889	600	600	676	676	7.85, 7.85	
896	326	327	366	367	6.73, 6.74	
892	653	647	750	742	8.11, 8.09	
862	318	—	369	—	673	1242
874	506	—	578	—	750	1246
881	560	—	635	~~633~~	772	
878	484	—	551	—	741	1171
868	657	650	756	749	~~82~~	
868	695	695	802	802	8.30, 8.30	
880	718	—	815	—	834	2035
868	696	697	803	803	8.31, 8.31	
885	647	—	730	—	804	748
883	700	698	742	740	8.09, 8.08	
860	476	7	553	7	742	
860	83	105	96	122	5.42, 5.63	
861	704	—	815	—	834	1244
879	407	—	464	—	709	1251
870	660	—	759	—	815	1139
885	355	349	401	395	6.86, 6.84	
871	261	261	300	301	6.49, 6.49	
879	651	653	742	744	8.04, 8.10	

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1928phae.proj.12634

Nov. 23 RH695, No 4p

Strip	Class	Star	y	x	Defe	Defe	cl	Dk
	p	6	1820	701	665	—	1145	250
	p	7	1833	823	737	—	1130	250
	p	8	1880	566	975	—	1143	250
20.4	p	68	2043	224	966	—	1100	252
	f	172	2059	395	455	458	1106	250
	f	173	2052	680	824	815	1113	253
	f	174	2050	689	930	930	1122	251
	f	175	2051	766	898	870	1132	255
	f	176	2051	939	874	863	1123	253
	f	177	2051	943	861	861	1140	251
	f	178	2050	1039	576	577	1140	250
20.6	f	179	2062	239	964	896	1123	251
	p	69	2077	338	570	—	1114	252
	p	70	2067	347	757	—	1125	251
	f	180	2058	464	811	809	1132	251
	p	71	2060	510	737	—	1131	253
	f	181	2070	520	909	902	1120	252
	f	182	2073	530	950	950	1123	255
	p	72	2070	730	974	—	1136	256
	f	183	2041	905	948	949	1120	252
	p	73	2064	980	900	—	1138	253
	f	184	2060	1001	957	955	1140	257
20.8	f	[illegible] close together	2085	164	735	?	1119	259
	f	185	2090	163	338	360	1115	255
	p	74	2089	300	958	—	1115	254
	p	75	2074	312	660	—	1132	253
	p	76	2090	440	917	—	1127	257
	f	186	2078	682	610	604	1140	255
	f	187	2079	705	520	520	1130	259
	f	188	2092	772	911	913	1139	260

stars too close together

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1928phae.proj.12630

	1st Defl.-Dk.	2nd Defl.-Dk.	Reduced Defl		Mag	
880	718	708	815	805	8.34, 8.31	
873	579	579	661	661	7.82, 7.82	
879	621	621	706	706	7.97, 7.97	
865	544	544	628	628	7.68, 7.68	
870	689	690	791	792	8.26, 8.27	
877	428	427	488	487	7.18, 7.17	
875	702	—	802	—	831	..
926	670	670	723	723	8.03, 8.03	
1. 848	256	252	394	396	6.84, 6.85	
1. 866	690	686	797	793	8.27, 8.26	
2. 863	689	684	797	792	8.27, 8.25	
855	520	520	607	607	7.61, 7.61	
863	359	356	416	413	6.93, 6.92	
877	387	386	440	439	7.00, 6.99	
870	69	67	79	77	5.22, 5.20	
855	403	—	471	—	712	1208
855	556	—	643	—	774	1166
845	493	492	581	580	7.52, 7.51	
861	710	710	823	823	8.39, 8.39	
856	94	94	111	111	5.55, 5.53	
857	705	705	822	822	8.38, 8.38	
856	713	—	831	—	wk	..
866	470	—	547	—	739	1109
860	570	570	662	662	7.82, 7.82	
852	608	608	712	712	7.99, 7.99	
861	706	—	817	—	835	893
870	410	414	471	475	7.12, 7.14	
841	P 2	—	2	—		
837	1 33	—	39	—		
843	2 63	—	75	—		

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1928phae.proj.1263

Nov. 23 RH695, no up

Strip	Class	Star	y	x	Defe	Defe	Cl	Dk	
20.8	f	189	2088	857	980	970	1142	262	
21.0	f	190	2099	377	839	839	1133	260	
	f	191	2110	509	881	881	1139	260	
	f	192	2111	607	802	802	1123	258	
	f	193	2105	680	950	951	1131	261	
	f	194	2109	746	690	689	1139	262	
	p	77	2109	1005	962	—	1135	260	
	f	195	2100	1226	930	930	1146	260	
21.2	f	196	2127	190	512	514	1110	262	
	f	197	2117	329	950	945	1124	261	2
	f	198	2126	328	953	949	1129	263	1
	f	199	2126	612	785	785	1120	265	
21.4	f	200	2145	400	623	620	1127	264	
	f	201	2150	894	650	649	1140	263	
	f	202	2150	1100	327	325	1128	258	
21.6	p	78	2172	282	660	—	1112	257	
	p	79	2173	383	810	—	1115	260	
	f	203	2161	423	753	752	1105	260	
	f	204	2170	433	969	969	1120	259	
	f	205	2170	440	355	355	1111	261	
	f	206	2140	456	965	965	1117	260	
	p	80	2158	476	975	—	1118	262	
	p	81	2163	510	732	—	1122	262	
	f	207	2176	530	830	830	1120	260	
	f	208	2169	779	870	870	1114	262	
	p	82	2173	790	970	—	1125	264	
	f	209	2163	1140	670	674	1130	260	
	p	1A	1910	568	261	—	1100	259	
	p	1	2219	760	289	—	1093	256	
	p	2	2180	375	321	—	1101	258	

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1928phae.proj.12630

G.	Dk.	1st Defl.	Dk.	2nd Defl.	Dk.	Reduced Defl		Mag.	L. No. Pole
846	3	119	—			141	—		
862	4	145	—			168	—		
855	5	245	—			287	—		
864	6	409	—			478	—		
874	7	479	—			547	—		
869	8	706	—			812	—		
935	1ª	7	—			7	—		
926	1	37	—			40	—		
934	2	71	—			76	—		
924	3	133	—			144	—		
952	4	164	—			175	—		
941	5	276	—			287	—		
952	6	438	—			461	—		
955	7	513	—			539	—		
943	8	758	—			810	—		
903		577	—			646	—	774	1235
915		554	557			606	609	7.62, 7.63	
921		500	—			543	—	741	1109
936		416	—			448 231	—	704 621	805
929		478	478			516	516	7.31, 7.31	
949		310	312			328	330	6.60, 6.62	
908		771	—			730 850	—	806 ~~548~~	1201
930		275	277			296	298	6.49, 6.50	
928		410	—			442	—	702	865
925		641	—			693	—	793	790
903		183	—			204	—	607	1214
924		243	243			262	262	6.35, 6.35	
915		686	—			749	—	811	1176
919		504	—			551	556	743	

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1928phae.proj.12630

Nov. 23 RH695, No 4

Strip	Class	Star	y	x	Defl	Defl	ce	Dk	
	p	3	2039	410	379	—	1100	260	
	p	4	2183	749	404	—	1121	259	
	p	5	1920	541	500	—	1110	255	
	p	6	1820	701	667	—	1122	258	
	p	7	1833	823	735	—	1130	256	
	p	8	1880	566	965	—	1128	259	
Nov. 24									volt 5.1
	p	1s	1910	549	249	—	1177	242	
	p	1	2219	741	280	—	1169	243	
	p	2	2180	356	319	—	1182	248	
	p	3	2039	390	380	—	1171	247	
	p	4	2183	730	412	—	1200	248	
	p	5	1920	522	519	—	1190	249	
	p	6	1820	682	685	—	1199	247	
	p	7	1833	823	758	—	1200	245	
	p	8	1880	562	1008	—	1193	250	
21.8	p	83	2186	154	820	—	1150	243	
	p	210	2198	164	800	803	1161	246	
	p	84	2172	495	750	—	1172	250	
	p	85	2192	963	660	—	1180	244	
	f.	211	2199	982	720	720	1171	242	
	p.	212	2190	1117	550	552	1189	240	
22.0	p	86	2209	227	912	?	1149	241	
	f.	213	2215	884	515	517	1170	240	
	p.	→	2192	963	650	—	1168	240	
	p	87	2200	1010	890	—	1174	249	
22.2	p	88	2220	186	430	—	1150	247	
	f.	214	2230	220	485	485	1166	242	
	p.	89	2232	280	926	—	1155	240	
	f.	215	2220	430	750	755	1165	246	

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1928phae.proj.12630

Obs.-Dk.	1st Defl.-Dk.	2nd Defl.-Dk.	Reduced Defl.		Mag.	L. No. Pole
947	732	—	724	—	822	948
937	180	180	192	192	6.03, 6.03	
950	420	420	442	442	701 p?	—
946	671	673	710	712	7.99, 8.00	
956	759	—	793	—	845	—
920	1e 3	—	3	—		
925	1 33	—	36	—		
930	2 77	—	83	—		
921	3 130	—	145	—		
950	4 170	—	174	—		
946	5 274	—	290	—		
947	6 447	—	472	—		
946	7 512	—	541	—		
954	8 763	—	800	—		
758	1e 91	—	12	—		
740	1 35	—	43	—		
762	2 72	—	95	—		
773	3 130	—	168	—		
806	4 155	—	193	—		
801	5 251	—	314	—		
779	6 384	—	493	—		
816	7 460	—	514	—		
825	8 680	—	823	—		
896	461	448	558	542	7.44, 7.38	
793	121	121	153	153	5.70, 5.70	
812	431	434	531	533	7.33, 7.35	
841	552	552	656	656	7.78, 7.78	
821	570	563	693	685	7.92, 7.88	
834	521	518	624	621	7.67, 7.65	

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Nov. 24th RH695, no up

Strip	Class	Star	y	x	Defl	Defl	cl	Dk
	p.	90	2229	690	975	1	1190	243
	f.	216	2227	956	423	423	1180	243
	p.	91	2229	1032	670	670	1200	250
	f.	217	2220	1080	921	923	1196	250
	p.	92	2230	1098	1008		1205	249
	p	10	1910	554	251	—	1168	248
	p	1	2219	749	280	—	1172	247
	p	2	2180	362	317	—	1170	240
	p	3	2039	395	380	—	1165	244
	p	4	2183	735	410	—	1190	240
	p	5	1920	529	514	—	1186	240
	p	6	1820	689	690	—	1190	243
	p	7	1833	801	762	—	1196	250
	p	8	1880	553	1015	—	1206	252
	Nov. 26th							
	p	10	1910	550	228	—	977	219
	p	1	2219	743	255	—	960	260
	p	2	2180	358	290	—	980	218
	p	3	2039	390	350	—	993	220
	p	4	2183	730	375	—	1026	220
	p	5	1920	523	470	—	1020	219
	p	6	1820	683	605	—	1000	221
	p	7	1833	804	683	—	1039	223
	p	8	1880	549	905	—	1050	225
224	f	218	2250	687	683	670	1048	222
	f	219	2251	886	348	348	1020	227
	f	220	2250	1000	657	660	1038	226
	f	221	2249	1106	782	782	1070	230
226	f	222	2270	231	800	793	1051	230
	f	223	2269	640	750	747	1063	229

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1928phae.proj.1263C

	1st	2nd				
D.-Dk.	Defl.-Dk	Defl.-Dk				L. No. Pole
840	520	507	618	603		
814	484	—	593	—	755	1104
832	672	672	809	809	8.31, 8.31	
911	565	565	618	618	7.64, 7.64	
799	64	64	80	80	5.08, 5.08	
820	520	521	633	634	7.70, 7.71	
826	531	531	642	642	7.73, 7.73	
767	530	—	692	—	791	907
					753	
935	550	—	588	—	↓	809
911	1st 9	—	10	—		
907	1 42	—	46	—		
910	2 81	—	89	—		
905	3 151	—	167	—		
930	4 170	—	183	—		
926	5 286	—	309	—		
935	6 440	—	470	—		
934	7 508	—	544	—		
937	8 756	—	808	—		
871	1st 9	—	10	—		
871	1 44	—	50	—		
891	2 76	—	85	—		
895	3 145	—	162	—		
905	4 170	—	188	—		
911	5 283	—	310	—		
903	6 438	—	485	—		
892	7 507	—	568	—		
901	8 735	—	814	—		
841	596	596	705	705	7.95, 7.95	

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1928phae.proj.1263t

Nov 26th RH 695, No 4p

Strip	Class	Star	y	x	Defl	Defl	cl	Dk
	f	224	2271	986	745	732	1065	225
22.8	p	93	2276	246	710	—	1040	226
	f	226	2290	846	900	900	1060	228
	f	226	2279	1110	790	790	1136	225
23.0	f	227	2310	240	285	285	1020	221
	f	228	2310	600	750	751	1050	230
	f	229	2305	756	760	760	1055	229
	p	94	2300	760	753	—	990	223
	f	230	2300	935	too faint			
	p	95	2307	1064	785	—	1170	235
	p	10	1910	550	238	—	1140	229
	p	1	2219	743	270	—	1135	228
	p	2	2180	358	312	—	1141	231
	p	3	2039	390	376	—	1130	225
	p	4	2183	730	400	—	1160	230
	p	5	1920	523	517	—	1157	231
	p	6	1820	683	675	—	1170	235
	p	7	1833	804	740	—	1166	232
	p	8	1880	549	987	—	1168	231
Nov. 27th								
	p	10	1910	550	232	—	1104	223
	p	1	2219	743	268	—	1095	224
	p	2	2180	359	308	—	1113	222
	p	3	2039	391	370	—	1120	225
	p	4	2183	730	460	—	1135	230
	p	5	1920	524	510	—	1139	224
	p	6	1820	684	665	—	1130	227
	p	7	1833	806	735	—	1120	228
	p	8	1880	550	965	—	1131	230
23.2	f	231	2327	419	825	825	1070	229

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	1st Defl.-Pk.	2nd Defl.-Pk.	Red. defl		Mag.	L.No. Pole
841	616	—	730	—	802	880
843	625	624	739	738	8.05, 8.04	
810	680	—	838	—	841	..
803	633	633	788	788	8.23, 8.23	
865	484	485	562	560	7.41, 7.40	
857	647	647	749	749	8.09, 8.09	
849	697	687	814	815	8.33, 8.34	
868	696	681	795	784	8.25, 8.22	
875	540	540	617	617	7.60, 7.60	
883	711	—	804	—	829	..
878	674	668	766	760	8.16, 814	
862	527	—	610	—	758	1044 ~~1031~~
856	176	176	207	207	6.01, 6.01	
855	680	680	794	794	8.25, 8.25	
870	698	—	801	—	828	892
863	463	—	536	—	731	884
849	650	—	767	—	815	1110
837	712	707	849	842	8.45, 8.43	
890	683	675	765	757	8.15, 8.16	
892	656	651	734	729	8.04, 8.01	
902	617	617	684	684	7.86, 7.86	
					—	
914	586	586	639	639	7.68, 7.68	
909	372	372	410	410	6.84, 6.84	
895	464	460	517	513	7.24, 7.22	
896	511	—	570	—	743	1043
903	360	—	398	—	679	1030
905	680	675	751	746	8.10, 8.07	
909	574	—	631	—	766	926
895	656	658	732	734	8.03, 8.04	

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Nov. 24th RH695, No 4

Strip	Class	Star	y	x	Defl	Defl	cl	Dk
23.2	p	96	2330	884	843	—	1068	227
	f	232	2318	920	855	854	1073	230
23.4	p	97	2348	300	910	—	1040	230
	f	233	2348	357	865	865	1035	232
	f	234	2338	690	722	720	1100	235
	f	235	2346	790	880	880	1090	233
	f	236	2352	851	935	925	1084	238
	f	237	2343	934	935	920	1107	239
	f	238	2358	944	775	775	1110	235
	p	98	2341	1060	950	—	1122	239
	f	239	2339	1076	916	910	1120	242
23.6	p	99	2364	501	765	—	1100	238
	f	240	2370	540	410	410	1090	234
	f	241	2363	719	920	920	1095	240
	p	100	2360	861	940	—	1112	242
	p	101	2360	1006	700	—	1100	237
23.8	p	102	2384	346	890	—	1089	240
	f	242	2390	430	955	950	1080	243
	f	243	2375	596	928	920	1135	245
	f	244	2380	667	896	891	1132	240
	f	245	2380	772	855	855	1140	238
	p	103	2388	too faint				
	f	246	2385	866	830	830	1158	244
	f	247	2390	1020	615	615	1152	243
24.0	f	248	2410	380	704	700	1135	240
	p	104	2413	483	752	—	1137	241
	p	105	2410	510	600	—	1143	240
	f	249	2405	690	920	915	1145	240
	p	106	2403	750	815	—	1150	241
24.2	f	250	2435	430	898	900	1137	242

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1928phae.proj.12630

Obs.-Ck.	1st Defl.-Ck.	2nd Defl.-Ck.	Reduced Defl.		Mag.	L. No. Pole
906	631	631	696	696	7.90, 7.90	
914	718	—	783	—	822	..
919	709	709	771	771	8.17, 8.17	
920	702	—	762	—	813	895
914	645	645	703	703	7.93, 7.93	
906	686	676	756	746	8.12, 8.01	
909	379	—	417	—	687	960
898	1a 10	—	11	—		
891	1 44	—	49	—		
900	2 79	—	88	—		
895	3 145	—	162	—		
912	4 172	—	188	—		
906	5 276	—	304	—		
920	6 438	—	476	—		
911	7 509	—	557	—		
912	8 733	—	802	—		
944	1a 4	—	4	—		
952	1 34	—	36	—		
960	2 75	—	78	—		
961	3 136	—	141	—		
950	4 163	—	172	—		
950	5 266	—	280	—		
957	6 474	—	495	—		
940	7 525	—	559	—		
963	8 775	—	804	—		
935	360	360	386	386	6.79, 6.79	
941	565	565	601	601	7.56, 7.56	
932	76	74	81	79	5.31, 5.29	
937	733	733	783	783	8.22, 8.22	
930	726	726	780	780	8.20, 8.20	

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Nov. 24th RH695, no up

Strip	Class	Star	y	x	Defc	Defc	cl	Dk
24.4	f	251	2440	730	880	880	1155	249
24.6	p	107	2460	890	963		1159	245
	f	252	2488	891	890	890	1159	245
24.8	f	253	2468	871	955	955	1165	246
	p	108	2472	900	942	—	1160	240
	f	254	2485	650	925	915	1145	239
	p	109	2490	666	620	—	1150	241
	p	10	1910	550	248	—	1136	238
	p	1	2219	743	275	—	1122	231
	p	2	2180	359	819	—	1140	240
	p	3	2039	391	380	—	1130	235
	p	4	2183	730	410	—	1150	238
	p	5	1920	524	515	—	1145	239
	p	6	1820	684	678	—	1160	240
	p	7	1833	806	749	—	1151	240
	p	8	1880	550	980	—	1159	247

Nov. 30th RH 694, no up

									Volt
	p	10	1900	540	260	—	1200	256	5.1
	p	1	2210	727	292	—	1210	258	
	p	2	2165	341	335	—	1220	260	
	p	3	2024	379	394	—	1219	258	
	p	4	2178	714	419	—	1206	256	
	p	5	1910	512	521	—	1205	255	
	p	6	1814	674	735	—	1218	261	
	p	7	1828	796	787	—	1202	262	
	p	8	1870	539	1042	—	1230	267	
12.8	f	1	2282	560	625	625	1200	265	
	f	2	1268	640	834	834	1210	269	
13.0	f	3	1305	574	344	342	1200	268	
	f	4	1314	730	1000	1000	1203	267	
13.2	f	5	1319	574	990	990	1194	264	

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1928phae.proj.12630

D.-Dk.	1st Deff.-Dk.	2nd Deff.-Dk.	Reduced deff.		Mag.	
927	710	—	767	—	815	
939	678	674	721	717	799, 797	
916	746	—	814	—	832	462
909	474	—	521	—	727	464
922	1° 2	—	2	—		
931	1 34	—	36	—		
933	2 70	—	75	—		
938	3 132	—	140	—		
919	4 154	—	168	—		
924	5 257	—	278	—		
922	6 463	—	501	—		
920	7 516	—	548	—		
945	8 775	—	819	—		
						Sequence unsteady
805	1° 3	—	4	—		
819	1 34	—	42	—		
826	2 71	—	86	—		
831	3 115	—	138	—		
817	4 137	—	168	—		
816	6 230	—	280	—		
827	6 410	—	497	—		
807	7 452	—	560	—		
832	8 675	—	811	—		
789	659	659	836	836		
797	663	—	831	—	838	
816	500	—	613	—	753	
802	446	410	547	511		
811	407	407	500	500		
808	241	243	298	300		
802	629	624	781	776		

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Nov. 30th RH 694, No Ufo, Diaphragm No 8

Strip	Class	Sta	y	x	Defl	Defl	Cl	Dk	
	p	1	1324	815	970	—	1187	260	Volt
13.4	f	6	1339	439	949	945	1210	271	5.1
	p	2	1334	921	1019	—	1189	273	
	p	3	1340	928	750	—	1185	276	
	p	1s	1900	540	270	—	1190	268	
	p	1	2210	727	304	—	1201	270	
	p	2	2165	341	340	—	1203	270	
	p	3	2024	379	404	—	1210	272	
	p	4	2178	714	429	—	1194	275	
	p	5	1910	512	532	—	1199	275	
	p	6	1814	674	740	—	1209	277	
	p	7	1828	796	791	—	1195	275	
	p	8	1870	539	1045	—	1215	270	

Dec. 3rd RH 694 No Ufo, Diaphragm No 8 Volt 5.0

	p	1s	1900	549	260	—	1062	257	
	p	1	2210	735	289	—	1074	255	
	p	2	2165	350	325	—	1080	254	
	p	3	2024	386	370	—	1086	255	
	p	4	2178	722	390	—	1070	253	
	p	5	1910	520	487	—	1073	257	
	p	6	1814	683	676	—	1087	260	
	p	7	1828	804	713	—	1068	261	
	p	8	1870	548	935	—	1092	260	
13.6	f	7	1364	741	920	920	1050	261	
	p	4	1356	987	926	—	1060	263	
138	p	5	1386	282	760	—	1076	260	
	f	8	1392	303	700	670	1062	260	
	f	9	1382	321	665	665	1069	258	
	f	10	1385	356	500	502	1067	259	
	f	11	1381	665	890	885	1063	261	

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1928phae.proj.12633

O.-Dk.	pt Defl.-Dk.	pmk Defl.-Dk.	Reduced defl		Mag.	L.No.
795	360	—	453	—	698	297
800	552	552	690	690		
792	497	503	628	634		
788	215	—	273	—	641	426
799	395	395	494	494		
780	445	—	569	—	737	498
792	101	101	137	137		
790	553	550	700	694		
800	630	—	788	—	821	
790	470	—	594	—	746	
782	548	—	700	—	787	420
785	673	—	859	—	~~850~~	457
794	197	—	248	—	629	
796	606	606	763	763	8	242
789	555	570	707	722		
790	30	30	38	38		
797	617	—	781	—	821	225
779	511	510	655	654		2
781	614	604	786	776		
781	240	—	307	—	650	474
782	602	—	770	—	814	509
790	70	—	87	—	527	239
790	659	655	832	828		
795	505	—	633	—	962	
789	551	576	700	726		
773	53	53	69	69		
750	378	380	505	507		
773	558	548	720	709		
780	527	531	674	678		
763	513	—	671	—	776	451

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Dec 3rd RH 694, No 2 Up. Diaphragm 8

Strip	Class	Star	y	x	Defl	Defl	cl	Dk	Volt
14.0	p	6	1399	398	618	—	1053	258	5.0
	f	12	1401	520	807	807	1055	255	
	f	13	1410	749	755	761	1050	258	
	p	7	1403	777	475	—	1048	260	
	f	14	1400	887	655	655	1059	260	
	p	8	1410	1010	705	—	1040	260	
14.2	f	15	1420	314	360	360	1051	259	
	f	16	1415	510	815	812	1052	262	
	p	9	1430	603	890	—	1060	260	
	p	10	1430	754	730	—	1050	260	
	p	11	1427	870	811	—	1045	263	
	p	12	1480	924	935	—	1047	262	
14.4	p	13	1442	225	458	—	1055	261	
	f	17	1451	316	870	870	1060	264	
	f	18	1441	382	825	840	1059	270	
14.6	f	19	1470	225	300	300	1060	270	
	p	14	1470	297	890	—	1070	273	
	f	20	1463	345	781	780	1049	270	
	f	21	1468	805	885	875	1052	271	
	p	15	1470	897	510	—	1051	270	
	p	16	1460	1010	870	—	1050	268	
14.8	p	17	1480	249	340	—	1060	270	
	f	22	1481	347	929	925	1060	270	
	p	18	1497	488	780	—	1070	275	
	f	23	1480	620	825	850	1063	274	
	f	24	1486	661	320	320	1040	267	
15.0	f	25	1507	159	648	650	1020	270	
	f	26	1509	654	830	820	1045	272	
	f	27	1494	706	801	805	1054	274	
	p	19	1516	811	790	—	1040	277	

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Obl.-Dk.	1st Defl.-Dk	2nd Defl.-Dk	Reduced defl.		Mag.	L.No.
766	631	613	824	824		
756	524	—	702	—	788	534
764	108	—	131	—	571	540
759	1° 0	—	0	—		
773	1 30	—	39	—		
778	2 64	—	82	—		
777	3 111	—	143	—		
769	4 129	—	168	—		
755	5 220	—	292	—		
762	6 393	—	516	—		
756	7 443	—	590	—		
777	8 640	—	826	—		
785	1° 8	—	10	—		
802	1 45	—	56	—		
801	2 76	—	95	—		
806	3 129	—	161	—		
785	4 156	—	191	—		
787	5 233	—	295	—		
798	6 409	—	512	—		
781	7 455	—	581	—		
800	8 665	—	830	—		
786	488	—	621	—	752	206
791	527	—	665	—	769	264
791	616	616	777	777		
786	315	318	404	409		
767	557	—	724	—	792	523
768	1° 5	—	7	—		
786	1 40	—	51	—		
790	2 80	—	102	—		

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Dec 3rd RH 694, no Up, Diaphragm 8

Strip	Class	Star	y	x	Defe	Defl	cl	Dk
15.0	f	28	1507	895	910	892	1045	279
	fp	20	1496	1116	798	—	1030	274
	fp	21	1496	1145	380	—	1036	272
	p	1A	1900	549	270	—	1029	270
	p	1	2210	735	300	—	1043	270
	p	2	2165	350	330	—	1047	269
	p	3	2024	386	379	—	1045	268
	p	4	2178	722	400	—	1040	271
	p	5	1910	520	490	—	1025	270
	p	6	1814	683	665	—	1034	272
	p	7	1828	804	713	—	1020	270
	p	8	1870	548	910	—	1047	270

Dec. 4th RH 694, no Up, Diaphragm 8 Volt

	p	1A	1900	560	278	—	1055	270	4.9
	p	1	2210	747	310	—	1067	265	
	p	2	2165	361	345	—	1070	269	
	p	3	2024	399	399	—	1070	270	
	p	4	2178	733	420	—	1055	270	
	p	5	1910	532	510	—	1064	277	
	p	6	1814	695	689	—	1078	280	
	p	7	1828	817	726	—	1052	271	
	p	8	1870	560	935	—	1070	270	
15.2	fp	22	1520	180	760	—	1058	272	
	fp	23	1518	379	796	—	1060	269	
	f	29	1535	561	890	890	1065	274	
	f	30	1530	729	585	588	1050	270	
	fp	24	1532	1021	830	—	1040	273	
	p	1A	1900	560	280	—	1043	275	
	p	1	2210	747	312	—	1058	272	
	p	2	2165	361	350	—	1060	270	

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Cl.-Dk		1st Diff.-Dk.	2nd Diff.-Dk.	Reduced diff.		Mag.	
790	3	129	—	163	—		
777	4	152	—	196	—		
777	5	236	—	304	—		
783	6	415	—	528	—		
770	7	450	—	584	—		
796	8	655	—	823	—		
815	1	7	—	9	—		
834	1	34	—	41	—		
834	2	62	—	73	—		
837	3	119	—	142	—		
823	4	146	—	177	—		
823	5	231	—	280	—		
833	6	420	—	504	—		
819	7	461	—	563	—		
840	8	676	—	803	—		
822		637	637	774	774		
819		623	623	759	759		
810		680	663	838	820		
824		259	—	314	—	6.47	294
825		637	637	770	770		
795		674	—	846	—	8.39	
803		658	—	815	—	8.27	425
780		201	200	254	256		
800		540	537	673	670		
814		435	438	533	536		
805		526	526	651	651		
823		232	234	281	283		
810		466	466	575	575		
801		561	562	700	701		

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Dec. 4th RH 694, no up, Diaphragm 8

Strip	Class	Star	y	x	Defe	Defe	cc	Dk
	p	3	2024	399	400	—	1061	271
	p	4	2178	733	425	—	1050	273
	p	5	1910	532	513	—	1052	275
	p	6	1814	695	687	—	1055	272
	p	7	1828	817	723	—	1043	273
	p	8	1870	560	932	—	1067	277

Dec. 6th RH 694, no up Diaphragm 8 Volt 4.9

	p	1s	1900	561	255	—	1063	248
	p	1	2210	750	280	—	1080	246
	p	2	2165	364	312	—	1084	250
	p	3	2024	400	368	—	1086	249
	p	4	2178	737	393	—	1070	247
	p	5	1910	535	480	—	1072	249
	p	6	1814	699	670	—	1083	250
	p	7	1828	820	712	—	1070	251
	p	8	1870	560	926	—	1090	250
15.4	f.	31	1544	182	885	885	1070	248
	f.	32	1545	356	871	871	1067	248
	f	33	1535	240	930	913	1060	250
	p.	25	1549	485	510	—	1075	251
	f	34	1535	564	890	890	1078	253
	p.	26	1532	658	924	—	1045	250
	p.	27	1550	756	910	—	1055	252
	f.	35	1543	978	451	450	1030	250
	f.	36	1545	1002	790	787	1050	258
15.6	f	37	1570	149	685	688	1064	250
	f.	38	1565	209	780	780	1059	254
	f.	39	1571	297	498	490	1079	256
	f.	40	1568	326	724	724	1068	258
	f.	41	1561	528	820	821	1060	259

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O.-Rk.	1st Defl.-Rk.	2nd Defl.-Rk.				L.No.
821	520	516	632	628		
786	557	601	709	764		
785	1° 5	—	6	—		
804	1 24	—	30	—		
806	2 52	—	65	—		
808	3 120	—	149	—		
792	4 137	—	173	—		
798	5 223	—	280	—		
809	6 399	—	494	—		
792	7 451	—	569	—		
817	8 664	—	802	—		
897	1° 23	—	26	—		
909	1 50	—	55	—		
909	2 87	—	96	—		
909	3 139	—	153	—		
890	4 170	—	190	—		
893	5 262	—	393	—		
909	6 450	—	494	—		
891	7 510	—	571	—		
915	8 740	—	808	—		
882	514	514	592	592		
891	382	—	424	—	689	2408
889	448	448	503	503		
885	308	—	347	—	666	279
890	619	619	696	696		
881	485	481	550	546		
878	718	—	818	—	837	
880	708	708	804	804		
825	130	—	158	—	584	536

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Dec 6th RH694/5 no Vp, Diaphragm 8

Strip	Class	Star	y	x	Defl	Defl	cl	Dk
f		42	1563	590	778	774	1079	258
f		43	1562	970	816	860	1045	259
p		1s	1900	561	260	—	1040	255
p		1	2210	750	280	—	1060	256
p		2	2165	364	319	—	1063	257
p		3	2024	400	371	—	1059	251
p		4	2178	737	395	—	1050	258
p		5	1910	535	480	—	1055	257
p		6	1814	699	660	—	1070	261
p		7	1828	820	710	—	1051	259
p		8	1870	560	926	—	1079	262

Dec. 7th, RH694, no Vp, Diaphragm 8 Volt.

	p	1s	1900	572	260	—	1134	237	5.08
	p	1	2210	760	290	—	1149	240	
	p	2	2165	375	329	—	1151	242	
	p	3	2024	410	380	—	1150	241	
	p	4	2178	748	410	—	1130	240	
	p	5	1910	546	509	—	1140	247	
	p	6	1814	708	700	—	1159	250	
	p	7	1828	830	765	—	1146	255	
	p	8	1870	571	1000	—	1175	260	
15.8	f	44	1578	141	770	770	1138	256	
	f	28	1596	385	642	—	1151	260	
	f	45	1580	450	709	709	1150	261	
	p	29	1580	487	571	—	1148	263	
	f	46	1590	516	885	885	1156	266	
	f	47	1585	537	749	745	1145	264	
	f?	30	1595	700	980	—	1140	262	
	f	48	1581	813	975	975	1147	267	
	f	31	1590	1045	395	—	1090	265	

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Obs.-No.	1st Defl.-Dk.	2nd Defl.-Dk.				L.No.
882	322	321	365	364		
889	569	567	630	628		
876	373	—	426	—	689	240
868	616	—	709	—	794	274
866	543	548	628	633		
858	661	—	770	—	819	541
858	519	510	605	595		
864	495	495	572	572		
847	532	527	628	622		
849	40	40	47	47		
857	1° 1	—	1	—		
869	1 35	—	48	—		
870	2 67	—	77	—		
875	3 120	—	137	—		
856	4 149	—	172	—		
868	5 248	—	286	—		
875	6 434	—	495	—		
858	7 490	—	570	—		
884	8 724	—	815	—		
791	1° 6	—	8	—		
796	1 40	—	50	—		
800	2 70	—	88	—		
777	3 115	—	148	—		
766	4.145	—	189	—		
786	5.241	—	307	—		
781	6.398	—	509	—		
722	7.417	—	576	—		
737	8.600	—	815	—		
728	494	490	677	673		

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Dec. 7th

RH 694, no Up, Diaphragm 8

Strip	Class	Star	y	x	Dgle	Dgle	Cl	Dle	Volt
16.0	f	49	1610	226	590	589	1150	268	5.08
	f	50	1609	310	840	838	1160	271	
	p	32	1596	384	646	—	1149	273	
	p	33	1614	490	900	—	1142	274	
	f	51	1603	610	813	818	1136	270	
	p	34	1610	1041	933	—	1130	272	
	f	52	1610	1059	790	781	1129	271	
	f	53	1610	1066	770	770	1139	275	
	f	54	1599	1067	805	800	1120	273	
	f	55	1606	1204	310	310	1119	270	
	p	1A	1900	572	274	—	1130	273	
	p	1	2210	760	305	—	1139	270	
	p	2	2165	375	337	—	1140	270	
	p	3	2024	410	390	—	1145	270	
	p	4	2178	748	420	—	1129	273	
	p	5	1910	546	520	—	1140	272	
	p	6	1814	708	709	—	1150	275	
	p	7	1828	830	767	—	1135	277	
	p	8	1870	571	1000	—	1160	276	

Dec. 17th, RH 694, no Up, Diaphragm 8 Volt 4.9

	p	1A	1900	550	288	—	1073	282	
	p	1	2210	736	320	—	1076	280	
	p	2	2165	350	350	—	1080	280	
	p	3	2024	388	400	—	1062	285	
	p	4	2178	723	430	—	1051	285	
	p	5	1910	521	525	—	1070	284	
	p	6	1814	685	687	—	1070	289	
	p	7	1828	805	700	—	1005	283	
	p	8	1870	549	890	—	1027	290	
16.2	f	56	1635	150	784	780	1018	290	

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1928phae.proj.1263C

Cl.-Dk.	1st Defl. Dk	2nd Defl.-Dk.	Reduced defl.		Mag.	
687	248	250	361	363		
691	365	360	528	522		
645	434	—	673	—	775	338
649	147	144	226	222		
596	359	359	561	561		
600	P 5	—	8	—		
611	1 31	—	51	—		
618	2 63	—	102	—		
670	3 109	—	163	—		
684	4 138	—	201	—		
654	5 216	—	330	—		
669	6 369	—	502	—		
645	7 375	—	581	—		
598	8 548	—	816	—		
760	P 5	—	7	—		
776	1 36	—	46	—		
787	2 69	—	88	—		
771	3 115	—	149	—		
771	4 142	—	184	—		
763	5 224	—	294	—		
757	6 388	—	513	—		
763	7 450	—	590	—		
781	6 641	—	820	—		
788	642	638	815	809		
780	240	—	305	—	650	183
775	465	465	600	600		
769	458	458	596	596		
773	258	—	333	—	658	376

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Dec 17th RH694, no Yp, Diaphragm 8

Strip	Class	Star	y	x	Defl	Defl	cc	Dk	Volt
16.2	f	57	1638	185	531	533	970	283	4.9
	f	58	1629	321	640	635	966	275	
	p	35	1619	593	714	—	925	280	
	f	59	1630	764	418	415	920	271	
	f	60	1620	820	639	639	870	280	
	p	10	1900	550	285	—	880	280	The behavior of the sequence puzzled me. Volt remained same.
	p	1	2210	736	310	—	890	279	
	p	2	2165	350	340	—	895	277	
	p	3	2024	388	389	—	950	280	
	p	4	2178	723	418	—	964	280	
	p	5	1910	521	495	—	933	279	
	p	6	1814	685	650	—	950	281	
	p	7	1828	805	660	—	930	285	
	p	8	1870	549	830	—	880	282	

Dec. 18th RH694, No Yp; Diaphragm 8 Volt

	p	1p	1900	560	305	—	1060	300	5.0
	p	1	2210	748	340	—	1080	304	
	p	2	2165	360	371	—	1089	302	
	p	3	2024	399	420	—	1076	305	
	p	4	2178	734	450	—	1079	308	
	p	5	1910	531	530	—	1069	306	
	p	6	1814	695	691	—	1060	303	
	p	7	1828	816	750	—	1073	310	
	p	8	1870	559	951	—	1091	310	
16.4	f	61	1640	109	too faint				
	f	62	1649	124	954	950	1100	312	
	p	36	1640	247	550	—	1090	310	
	f	63	1655	260	775	775	1085	310	
	f	64	1640	290	769	769	1080	311	
	p	37	1650	662	570	—	1085	312	

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Cl.-Dt.	1st Defl.-Dt.		2nd Defl.-Dt.	
758	617	617	812	812
770	240	238	283	281
768	282	282	366	366
776	626	626	811	811
748	403	403	539	539
764	631	621	826	813
750	615	615	820	820
760	550	540	724	712
747	591	582	790	779
752	521	521	693	693
754	1° 07	—	1° 9	—
762	1 30	—	39	—
767	2 64	—	83	—
768	3 118	—	153	—
756	4 138	—	184	—
760	5 224	—	2.194	—
776	6 392	—	508	—
759	7 440	—	579	—
776	8 638	—	822	—
819	P 8	—	10	—
832	1 32	—	38	—
839	2 60	—	72	—
839	3 118	—	141	—
827	4 142	—	172	—
826	5 230	—	278	—
836	6 419	—	489	—
819	7 459	—	562	—
838	8 671	—	800	—
751	61	61	81	81

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Dec. 18th RH 694, no Up, Diaphragm 8

Strip	Class	Star	y	x	Defl	Defl	cl	Dk	
16.6	f	65	1670	195	930	930	1071	313	Volt 5.0
	f	66	1670	239	550	548	1080	310	
	f	67	1664	326	590	590	1076	308	
	f	68	1670	411	940	940	1090	314	
	f	69	1659	623	720	720	1065	317	
	f	70	1663	781	950	940	1083	319	
	f	71	1660	812	935	935	1070	360	
	f	72	1660	903	860	850	1070	310	
	f	73	1670	1127	909	900	1065	318	
	f	74	1660	1179	840	840	1071	319	
	p	1A	1900	566	321	—	1068	314	
	p	1	2210	748	342	—	1074	312	
	p	2	2165	360	374	—	1077	310	
	p	3	2024	399	429	—	1079	311	
	p	4	2178	734	450	—	1068	312	
	p	5	1910	531	535	—	1071	311	
	p	6	1814	695	702	—	1080	310	
	p	7	1828	816	750	—	1069	310	
	p	8	1870	559	952	—	1090	314	
Dec. 19th, RH 694 no up. Diaphragm 8									
	p	1A	1900	550	280	—	1091	272	Volt 5.08
	p	1	2210	738	310	—	1110	278	
	p	2	2165	350	340	—	1119	280	
	p	3	2024	389	389	—	1110	271	
	p	4	2178	724	417	—	1100	273	
	p	5	1910	521	502	—	1098	272	
	p	6	1814	685	683	—	1110	274	
	p	7	1828	806	730	—	1090	271	
	p	8	1870	549	950	—	1117	279	
16.8	f	75	1681	178	340	340	1030	279	

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Cl.-Dk.	1st Defl.-Dk.	2nd Defl.-Dk.	Red. defl.		Mag.	L.NO.
819	663	666	809	812		
827	164	164	198	198		
835	175	—	210	—	618	105
809	565	567	698	700		
812	576	571	709	702		
820	641	—	781	—	822	135
818	479	475	485	481		
787	6	6	8	8		
803	670	661	834	822		
812	615	610	756	750		
793	510	510	643	643		
794	1o 0	—	0	—		
810	1 25	—	31	—		
816	2 61	—	75	—		
812	3 109	—	134	—		
799	4 134	—	168	—		
804	5 223	—	247	—		
810	6 400	—	494	—		
801	7 451	—	562	—		
816	8 660	—	808	—		
806	1o 1	—	1	—		
817	1 27	—	33	—		
825	2 70	—	85	—		
828	3 119	—	144	—		
810	4 140	—	173	—		
811	5 231	—	284	—		
819	6 406	—	497	—		
808	7 460	—	569	—		
822	8 672	—	817	—		

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Dec. 19th RH 694, no Up, Diaphragm 8

Strip	Class	Star	y	x	Defe	Defe	Cl	Dk	Volt
16.8	f	76	1670	186	944	947	1100	281	5.08
	f	77	1695	394	444	444	1107	280	
	p	38	1699	398	455	—	1115	280	
	f	78	1680	982	850	852	1094	285	
	f	79	1690	1023	856	851	1092	280	
17.0	p	39	1700	090	920	—	1099	279	
	f	80	1710	384	764	760	1103	285	
	f	81	1698	679	289	289	1070	283	
	f	82	1699	971	959	950	1092	289	
	f	83	1760	980	905	900	1102	290	
	f	84	1710	1126	800	800	1083	290	
	p	1A	1900	550	290	—	1084	290	
	p	1	2210	738	315	—	1100	290	
	p	2	2165	350	350	—	1105	289	
	p	3	2024	389	400	—	1103	291	
	p	4	2178	724	422	—	1087	288	
	p	5	1910	521	513	—	1094	290	
	p	6	1814	685	690	—	1100	290	
	p	7	1828	806	740	—	1090	289	
	p	8	1870	549	950	—	1106	290	

Dec. 21st, RH 694, no Up, Diaphragm 8 Volt 5.08

	p	1A	1900	550	255	—	1060	264
	p	1	2210	738	280	—	1070	253
	p	2	2165	350	320	—	1075	250
	p	3	2024	389	370	—	1079	251
	p	4	2178	724	390	—	1060	250
	p	5	1910	521	490	—	1070	259
	p	6	1814	685	664	—	1077	258
	p	7	1828	806	420	—	1068	260
	p	8	1870	549	935	—	1085	263

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1928phae.proj.12630

							L.NO.
805	660	650	818	807			
794	607	603	763	759			
797	626	621	786	781			
801	417	417	520	520			
798	568	577	711	723			
800	530	510	662	637			
794	619	—	777	—	817	583	
797	345	343	447	442			
792	522	522	659	659			
798	406	406	509	509			
800	610	605	763	756			
794	613	614	772	773			
790	41	41	52	52			
777	468	468	602	602			
788	641	640	814	813			
782	642	652	820	831			
777	632	625	813	804			
780	441	437	564	559			
782	452	—	575	—	738	570	
767	27	30	35	39			
766	611	602	799	787			
769	1° 0	—	0	—			
774	1 21	—	27	—			
779	2 60	—	77	—			
784	3 108	—	138	—			
779	4 129	—	166	—			
778	5 220	—	283	—			
782	6 401	—	512	—			
773	7 448	—	580	—			
793	8 652	—	820	—			

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1928phae.proj.1263c

Dec. 21st RH694, No 4p. Diaphragm 8

Strip	Class	Star	y	x	Defl	Defl.	Cl	Dk	
17.2	f	85	1730	096	925	915	1070	265	5.08
	f	86	1715	213	875	871	1062	268	
	f	87	1722	281	895	890	1066	269	
	f	88	1733	315	687	687	1071	270	
	f	89	1719	475	840	849	1070	272	
	f	90	1730	812	810	790	1080	280	
	f	40	1730	1059	900	—	1075	281	
	f	91	1729	1158	620	618	1052	275	
17.4	f	92	1754	208	800	800	1070	278	
	f	93	1750	234	680	680	1072	274	
	f	94	1749	327	880	875	1070	270	
	f	95	1736	416	890	891	1071	277	
	f	96	1737	466	320	320	1069	279	
	f	97	1739	571	748	748	1057	280	
	f	98	1740	580	921	920	1068	280	
	f	99	1751	821	922	932	1062	280	
	f	100	1750	877	913	906	1058	281	
	f	101	1756	943	724	720	1063	283	
	f	4	1737	965	730	—	1060	278	
	f	102	1740	1033	307	310	1047	280	
	f	103	1750	1261	899	890	1054	288	
	p	10	1900	550	280	—	1050	280	
	p	1	2210	738	300	—	1053	279	
	p	2	2165	350	340	—	1059	280	
	p	3	2024	389	390	—	1066	282	
	p	4	2178	724	410	—	1060	281	
	p	5	1910	521	500	—	1058	280	
	p	6	1814	685	680	—	1061	279	
	p	7	1828	806	731	—	1056	283	
	p	8	1870	549	937	—	1078	285	

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1928phae.proj.12630

Pl.	Pk.	1st Defl.-Pk.	2nd Defl.-Pk.	Red. Defl.		Mag.	L.No.
818	1	3	—	4	—		
823	1	25	—	30	—		
836	2	61	—	73	—		
835	3	115	—	138	—		
820	4	138	—	168	—		
826	5	226	—	274	—		
831	6	408	—	490	—		
813	7	454	—	557	—		
840	8	682	—	811	—		
823		410	410	497	497		
827		549	547	662	660		
825		558	—	676	—	7.77	89
831		537	537	647	647		
834		452	453	540	541		
825		544	541	659	655		
816		314	314	378	378		
810		462	457	570	562		
808		508	—	629	—	761	589
804		432	432	536	536		
809		410	395	507	488		
820		661	655	805	799		
815		665	666	815	816		
809		538	529	663	652		
805		315	315	381	381		
821		644	—	784	—	819	R
805		650	646	808	803		
790		634	628	802	793		
803		252	250	314	312		
814		657	—	807	—	827	118

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Dec. 22nd RH 694, 70 Up, Diaphragm 8

Volt 5.02

Strip	Class	Star	y	x	Dyll	Dyl	Dl	Dk
	p	1A	1900	559	250	—	1065	247
	p	1	2210	747	275	—	1073	250
	p	2	2165	360	310	—	1085	249
	p	3	2024	399	360	—	1080	245
	p	4	2178	733	388	—	1070	250
	p	5	1910	531	475	—	1075	249
	p	6	1814	695	660	—	1083	252
	p	7	1828	815	710	—	1069	256
	p	8	1870	559	940	—	1098	258
17.6	f.	104	1770	177	670	670	1083	260
	f.	105	1755	216	812	810	1090	263
	p.	42	1758	271	825	—	1092	267
	f.	106	1768	281	799	799	1092	262
	f.	107	1766	330	713	714	1095	261
	f.	108	1765	518	808	805	1089	264
	f.	109	~~1760~~	552	7	760	two stars together on red disk	
	f.	110	1761	678	580	580	1082	266
	f.	111	1755	952	730	725	1078	268
	p.	43	1770	994	775	—	1075	267
	f.	112	1770	1138	700	700	1072	268
17.8	f.	113	1790	128	680	665	1079	270
	f.	114	1785	132	931	925	1090	270
	f.	115	1780	138	935	936	1085	270
	f.	116	1796	200	814	805	1085	276
	f.	117	1786	258	590	590	1080	275
	p.	44	1788	384	918	—	1095	274
	f.	118	1780	920	920	916	1075	270
	f.	119	1789	1227	910	904	1066	276
18.0	f.	120	1806	087	522	520	1073	270
	p.	45	1799	250	928	—	1085	271

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1928phae.proj.12630

Cl.-Pk.	1st Diff.-Pk.	2nd Diff.-Pk.	Red. Defl.		Mag.	L. No.
818	557	548	680	669		
805	456	451	565	560		
800	628	628	784	784		
792	659	659	830	830		
801	301	—	375	—	674	606
807	619	623	768	772		
810	614	611	760	757		
804	689	634	857	790		
812	651	—	800	—	825	90
810	40	37	49	46		
818	631	631	771	771		
801	600	607	748	755		
796	565	568	713	717		
787	1° 0	—	0	—		
798	1 24	—	30	—		
801	2 64	—	80	—		
801	3 111	—	138	—		
790	4 139	—	176	—		
799	5 220	—	276	—		
796	6 399	—	501	—		
776	7 446	—	574	—		
810	8 676	—	835	—		

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Dec. 22nd RH694, no Up; Diaphragm 8

Strip	Class	Star	y	x	Defl	Defl	Cl	Dk
	f.	121	1800	345	829	820	1090	272
	f.	122	1800	569	729	724	1078	273
	f.	123	1799	912	898	898	1076	270
	f.	124	1810	1010	930	930	1063	271
	p.	46	1818	1011	570	—	1070	269
1802	f.	125	1827	148	890	894	1078	271
	f.	126	1820	160	884	881	1080	270
	f.	127	1815	186	965	910	1080	276
	p.	47	1836	190	919	—	1080	268
	f.	128	1818	387	310	307	1080	270
	f.	129	1825	446	900	900	1087	269
	f.	130	1824	684	870	877	1071	270
	f.	131	1825	1140	835	838	1060	270
	p	10	1900	559	268	—	1055	268
	p	1	2210	747	290	—	1064	266
	p	2	2165	360	324	—	1061	260
	p	3	2024	399	373	—	1063	262
	p	4	2178	733	399	—	1050	260
	p	5	1910	531	480	—	1059	266
	p	6	1814	695	663	—	1060	264
	p	7	1828	815	710	—	1040	264
	p	8	1870	559	939	—	1073	263

Dec. 26th, RH 694, no Up, Diaphragm 8 Volt 49

p	10	1900	561	269	—	1014	261
p	1	2210	750	290	—	1027	263
p	2	2165	363	327	—	1032	266
p	3	2024	400	380	—	1035	268
p	4	2178	734	400	—	1020	269
p	5	1910	534	488	—	1037	271
p	6	1814	699	661	—	1040	274

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1928phae.proj.12630

N.-Dk.	1st Defl.-Dk.	2nd Defl.-Dk.	Red. defl.	Mag.	L.No.
793	1p 0	—	0	—	
817	1 28	—	35	—	
812	2 64	—	79	—	
810	3 114	—	141	—	
793	4 136	—	171	—	
799	5 222	—	278	—	
806	6 400	—	497	—	
792	7 440	—	555	—	
808	8 653	—	808	—	
795	627	613	786	772	
802	653	—	813	—	828
801	348	348	436	436	
797	577	567	724	711	
787	557	—	706	—	790 601
774	265	—	342	—	663 625
786	169	169	215	215	
775	211	210	272	271	
782	447	447	571	571	
771	501	496	649	642	
761	501	504	658	661	
789	509	505	646	642	
780	622	—	798	—	822 105
779	439	449	562	575	
787	330	340	419	432	
774	359	339	463	437	
770	420	—	544	—	732 642
750	555	—	739	—	800 647

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1928phae.proj.1263c

Dec 26th morning R#694, no Uf, Diaphragm 8

Strip	Class	Star	y	x	Defa	Defe	Ca	Dk	
p		7	1828	819	700	—	1020	266	battery bad
p		8	~~1870~~	560	900				

Dec. 26th afternoon, R#694, no Uf, Diaphragm 8

p		18	1900	561	260	—	1053	260	Volt.
p		1	2210	750	290	—	1069	262	5.0
p		2	2165	363	325	—	1073	261	
p		3	2024	400	379	—	1075	265	
p		4	2178	737	405	—	1062	269	
p		5	1910	534	490	—	1067	268	
p		6	1814	699	670	—	1076	270	
p		7	1828	819	710	—	1062	270	
p		8	1870	560	928	—	1083	275	
18.4	f	132	1850	300	904	890	1072	277	
p	f	48	1850	351	928	—	1077	275	
f		133	1852	363	620	620	1073	272	
f		134	1839	400	850	840	1070	273	
p	f	49	1846	889	835	—	1065	278	
p	f	50	1853	944	540	—	1054	275	
f		135	1849	1090	440	440	1056	271	
f		136	1851	1119	481	480	1045	270	
f		137	1845	1212	725	725	1060	278	
f		138	1840	1245	780	775	1050	279	
f		139	1851	1289	780	783	1040	279	
18.6	f	140	1870	225	789	785	1067	280	
p	f	51	1870	494	905	—	1063	283	
f		141	1860	624	720	730	1060	281	
f		142	1863	665	610	620	1067	280	stars close together
f		143	1870	667	640	620	1055	281	
p	f	52	1871	1011	700	—	1050	280	
p	f	53	1857	1205	840	—	1035	285	

Stars close together

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1928phae.proj.12630

	1st Defl.-Dk.	2nd Defl.-Dk.	Red. defl.		Mag.	L.No.
773	610	608	788	786		
770	625	625	811	811		
767	85	85	111	111		
769	521	524	680	683		
760	218	—	286	—	646	2 Δ=62
760	518	515	680	677		
759	49	—	65	—	510	659
770	570	573	739	742		
768	275	275	358	358		
760	591	580	777	763		
767	88	—	115	—	559	562
774	594	594	766	766		
771	396	—	513	—	722	62
770	449	447	582	580		
756	414	—	548	—	733	= 1Δ
762	462	457	605	600		
758	600	—	791	—	820	664
749	519	526	691	702		
746	630	—	843	—	840:	
749	1 P −10	—		—		
765	1 23	—	30	—		
770	2 58	—	75	—		
769	3 103	—	134	—		
760	4 127	—	167	—		
760	5 214	—	282	—		
762	6 398	—	512	—		
756	7 418	—	532	—		
764	8 640	—	838	—		

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1928phae.proj.1263c

Dec 26th — R# 694 3 Mo Up, Diaphragm 8 —

Strip	Class	Star	y	x	Dell	Dfle	Cl	Dk	
18.8	f	144	1891	227	890	888	1053	280	
	f	145	1880	304	905	905	1050	280	
	f	146	1890	549	365	365	1047	280	
	f	147	1880	654	801	804	1049	280	
	p	54	1879	830	500	—	1042	282	
	f	148	1879	1220	803	800	1045	285	
	p	55	1880	1229	330	—	1040	281	
19.0	f	149	1900	075	850	853	1050	280	
	f	150	1910	168	555	555	1048	280	
	f	151	1907	270	870	860	1040	280	
	p	56	1914	281	370	—	1049	282	
	f	152	1900	329	880	880	1060	286	
	p	57	1910	363	680	—	1055	284	
	f	153	1900	517	732	730	1053	283	
	p	58	1900	561	698	—	1040	284	
	f	154	1905	848	750	745	1050	288	
	p	59	1910	1000	890	—	1048	290	
	f	155	1900	1270	810	817	1040	291	
	p	60	1908	1275	920	—	1036	290	
	p	1A	1900	561	274	—	1033	284	
	p	1	2210	750	305	—	1047	282	
	p	2	2165	363	338	—	1060	280	
	p	3	2024	400	385	—	1051	282	
	p	4	2178	737	410	—	1043	283	
	p	5	1910	534	494	—	1040	280	
	p	6	1814	699	670	—	1042	280	
	p	7	1828	819	700	—	1038	282	Volt.
	p	8	1870	560	926	—	1050	286	5.0

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1928phae.proj.12630

74

O.-Ck		1st Defl-Ck	2nd Defl-Ck	Red. Defl.		Mag	L.No
774	10	8	—	10	—		
784	1	30	—	38	—		
786	2	62	—	79	—		
780	3	110	—	141	—		
776	4	139	—	180	—		
778	5	228	—	295	—		
787	6	408	—	509	—		
771	7	434	—	~~566~~	—		
787	8	641	—	813	—		
768		315	—	410	—	679	519
779		301	301	387	387		
780		501	501	642	642		
780		510	510	653	653		
762		102	102	134	134		
760		627	625	824	822		
764		221	221	289	289		
765		600	—	783	—	818	
772		422	422	547	547		
755		510	499	645	660		
754		501	504	663	666		
752		478	471	684	675		
744		500	—	671	—	774	679
748		530	—	708	—	788	681
745		618	620	829	831		
650		450	—	~~642~~	—	781	23
758		565	—	743	—	802	
749		629	631	840	842		
745		600	600	804	804		
746		301	306	403	409		
736		600	—	810	—	828	688

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1928phae.proj.1203c

Dec. 27th RH 694, No Wps, Diaphragm 8

Strip	Class	Star	y	x	Defl	Defl	Cl	Dk	
	p	P	1900	562	290	—	1056	282	Volt.
	p	1	2210	750	315	—	1069	285	4.99
	p	2	2165	365	350	—	1074	288	
	p	3	2024	401	400	—	1070	290	
	p	4	2178	739	430	—	1067	291	
	p	5	1910	538	520	—	1070	292	
	p	6	1814	700	690	—	1077	290	
	p	7	1828	820	731	—	1068	297	
	p	8	1870	561	939	—	1085	298	
19.2	p	61	1922	130	610	—	1063	295	
	f.	156	1920	252	600	600	1078	299	
	f.	157	1920	260	801	801	1080	300	
	f.	158	1919	309	810	810	1080	300	
	f.	159	1930	767	400	400	1060	298	
	f.	160	1925	1135	927	925	1060	300	
19.4	f.	161	1947	105	520	520	1063	299	
	p.	62	1939	210	900	—	1065	300	
	f.	162	1944	353	720	720	1070	298	
	f.	163	1949	438	810	799	1055	300	
	f.	164	1954	589	800	803	1053	299	
	f.	165	1940	823	777	770	1031	299	
	p.	63	1944	1108	800	—	1044	300	
	p.	64	1953	1187	830	—	1048	300	
	f.	166	1939	1222	918	920	1045	300	
19.6	p.	65	1979	140	750	—	1050	300	
	p.	66	1975	147	860	—	1053	295	
	f.	167	1969	160	930	932	1050	301	
	f.	168	1970	530	900	900	1045	300	
	f.	169	1975	912	602	607	1047	301	
	p	67	1964	1059	900	—	1038	300	

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1928phae.proj.12630

Cl.-Dk.	1st Defl.-Dk	2nd Defl.-Dk	Red. defl.		Mag.	L.N.
732	630	607	859	826		
736	475	477	645	647		
730	540	—	739	—	800	683
741	1° 7	—	1° 9	—		
753	1 28	—	1 37	—		
761	2 39	—	2 77	—		
751	3 108	—	3 144	—		
749	4 143	—	4 189	—		
752	5 225	—	5 298	—		
756	6 391	—	6 518	—		
749	7 430	—	7 573	—		
764	8 639	—	8 834	—		
772	1° 10	—	1° 13	—		
772	1 32	—	1 41	—		
780	2 65	—	2 83	—		
774	3 122	—	3 158	—		
771	4 149	—	4 193	—		
774	5 230	—	5 297	—		
779	6 399	—	6 512	—		
780	7 442	—	7 567	—		
785	8 638	—	8 810	—		
767	359	358	466	467		
767	566	—	739	—	799	f ?
763	414	409	542	536		
755	415	415	549	549		
752	443	440	589	585		
746	376	364	504	488		
772	460	461	596	597		
764	269	—	352	—	660	1279

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1928phae.proj.12003f

Dec 27th RH 694, no Up, Diaphragm 8

Strip	Class	Star	y	x	Deff	Deff	cl	Dk	
	f.	176	1970	1183	933	916	1035	303	
	f.	171	1960	1187	775	777	1036	300	
	f.	68	1976	1239	843	—	1033	303	
	p	10	1900	562	307	—	1041	300	
	p	1	2210	750	328	—	1053	300	
	p	2	2165	365	361	—	1063	302	
	p	3	2024	401	408	—	1051	300	
	p	4	2178	739	443	—	1049	300	
	p	5	1910	538	523	—	1050	298	
	p	6	1814	700	690	—	1055	299	
	p	7	1828	820	780	—	1049	300	Volt
	p	8	1870	561	934	—	1062	298	4.99
Dec. 28th RH 694, no Up, Diaphragm 8									Volt
	p	10	1900	549	290	—	1052	280	5.0
	p	1	2210	735	310	—	1050	278	
	p	2	2165	350	340	—	1055	275	
	p	3	2024	387	400	—	1052	278	
	p	4	2178	722	429	—	1051	280	
	p	5	1910	520	510	—	1054	280	
	p	6	1814	683	680	—	1060	281	
	p	7	1828	804	725	—	1063	283	
	p	8	1870	547	923	—	1070	285	
19.8	f.	172	1990	100	640	641	1050	283	
	f.	69	1994	350	852	—	1053	286	
	f.	173	1990	391	700	695	1049	286	
	f.	174	1983	530	700	700	1040	285	
	f.	175	1980	816	730	727	1039	287	
	f.	176	1980	965	660	658	1030	284	
20.0	f.	177	2000	133	749	750	1061	289	
	p.	70	2005	320	555	—	1050	286	

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1928phae.proj.12630

Obl.-Dk		1st Refl.-Dk	2nd Diff-Dk	Red. defl.		Mag.	
742		602	602	810	810		
749		528	—	705	—	786	2 n
740		670	—	904	—	..	713
741		528	—	710	—	788	8
751		620	—	823	—	832	
745	1°	9	—	11	—		
747	1	30	—	40	—		
741	2	61	—	82	—		
732	3	118	—	161	—		
740	4	145	—	196	—		
748	5	228	—	311	—		
746	6	386	—	517	—		
739	7	431	—	583	—		
751	8	628	—	829	—		
740	1°	10	—	14	—		
744	1	39	—	52	—		
745	2	67	—	90	—		
741	3	101	—	136	—		
742	4	138	—	186	—		
733	5	213	—	290	—		
745	6	378	—	507	—		
732	7	418	—	571	—		
736	8	602	—	819	—		
736		525	—	712	—	793	8
742		612	—	824	—	836	
728		150	150	213	213		
729		558	561	767	770		
726		477	467	655	643		

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1928phae.proj.12003

Dec. 28th RH694, no Ups, Diaphragm 8

Strip	Class	Star	y	x	Dxfl	Dyfl	Cl	Dk	
	f.	178	2010	487	890	890	1030	288	
	p.	71	2001	650	817	—	1038	289	
	p.	72	1999	994	960	—	1030	290	
20.2	p	73	2017	157	820	—	1033	292	
	p.	74	2025	201	910	—	1041	290	
	f.	179	2028	250	910	905	volt	changed 4.99	
	p	lp	1900	548	299	—	1095	290	
	p	1	2210	734	321	—	1037	290	
	p	2	2165	349	350	—	1030	289	
	p	3	2024	386	409	—	1033	291	
	p	4	2178	721	435	—	1030	290	
	p	5	1910	519	518	—	1038	290	
	p	6	1814	682	680	—	1040	294	
	p	7	1828	803	725	—	1033	294	
	p	8	1870	546	921	—	1050	293	

Dec. 29th RH694, no ups, Diaphragm 8

	p	lp	1900	557	270	—	1000	260	Volt
	p	1	2210	743	300	—	1005	261	4.98
	p	2	2165	359	323	—	1001	256	
	p	3	2024	395	360	—	1000	259	
	p	4	2178	731	399	—	1003	261	
	p	5	1910	530	480	—	1000	267	
	p	6	1814	692	643	—	1010	265	
	p	7	1828	813	680	—	1004	262	
	p	8	1870	556	865	—	1009	263	
20.2	p	75	2017	167	790	—	1000	265	
	p.	76	2025	211	872	—	1002	260	
	f.	180	2031	389	420	420	998	270	
	f.	181	2019	497	828	831	999	270	
	f.	182	2035	674	750	740	999	273	

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		Red. defl.		Mag.		L.No.
725	514	514	709	709		
726	506	489	698	671		
723	488	488	682	682		
720	246	252	341	348		
731	531	536	724	731		
737	432	—	572	—	741	1246
733	395	—	537	—	727	1171
727	550	545	757	750		
721	562	562	779	779		
718	574	570	800	796		
719	572	572	794	794		
723	339	—	468	—	702	~~1251~~ 1171
716	259	—	363	—	668	1242
715	543	554	760	772		
716	268	268	375	375		
720	205	205	284	284		
715	521	511	729	714		
725	582	584	800	802		
726	549	—	762	—	809	1146
728	468	472	642	646		
727	1° 5	—	7	—		
738	1 30	—	41	—		
733	2 38	—	52	—		
736	3 85	—	116	—		
722	4 109	—	151	—		
729	5 204	—	281	—		
738	6 365	—	494	—		
733	7 403	—	550	—		
749	8 597	—	798	—		

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Dec. 29th RH694, No 2nd, Diaphragm 8

Strip	Class	Star	y	x	Defl y	Defl x	Cl.	Dk.	
	f.	183	2031	760	785	780	996	271	
	f.	184	2030	931	780	763	1000	274	
	f.	185	2030	938	760	760	995	272	
	f.	186	2026	1031	520	526	994	274	
20.4	f.	187	2050	233	810	815	1010	279	
	p.	77	2050	331	700	—	1015	278	
	f.	188	2040	458	black makes	spot next & 2 nd later diff in defl too great			
	p.	78	2050	496	675	—	1013	280	
	f.	189	2052	514	830	825	1007	280	
	f.	190	2050	908	840	840	999	278	
	f.	191	2040	995	854	850	998	280	
	f.	192	2053	1063	850	850	997	278	
20.6	p.	79	2060	299	621	—	1005	282	
	p.	80	2060	322	543	—	1000	284	
	f.	193	2059	525	829	840	1001	286	
	f.	194	2060	676	550	550	998	282	
	f.	195	2060	700	480	480	995	275	
	f.	196	2040	767	800	798	994	279	
	f.	197	2063	851	860	862	1003	278	
	p.	81	2060	965	830	—	1007	281	
20.8	f.	198	2082	370	750	754	1010	282	
	p	1A	1900	557	300	—	1022	295	Volt 4.97
	p	1	2210	743	330	—	1038	300	
	p	2	2165	359	345	—	1040	307	
	p	3	2024	395	390	—	1041	305	
	p	4	2178	731	417	—	1030	308	
	p	5	1910	530	510	—	1035	306	
	p	6	1814	692	675	—	1048	310	
	p	7	1828	813	710	—	1040	307	
	p	8	1870	556	898	—	1050	301	

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Cl.-Dk. 82	1st Defl.-Dk.	2nd Defl.-Dk.	Red.-Defl.		Mag.	L No
733	1° 4	—	5	—		
745	1 30	—	40	—		
744	2 56	—	75	—		
748	3 98	—	131	—		
749	4 126	—	168	—		
740	5 204	—	276	—		
748	6 368	—	488	—		
737	7 413	—	561	—		
751	8 606	—	808	—		
743	472	477	633	640		
745	560	—	752	—	813	1139
741	517	517	698	698		
731	437	432	598	591		
736	561	571	763	775		
724	336	334	463	461		
729	531	529	729	726		
723	527	524	726	723		
730	201	201	275	275		
736	570	570	773	773		
738	430	430	588	588		
726	571	—	788	—	827	
725	1° 0	—	0	—		
726	1 26	—	36	—		
725	2 55	—	76	—		
726	3 100	—	138	—		
725	4 126	—	173	—		
726	5 200	—	276	—		
734	6 357	—	485	—		
730	7 411	—	562	—		
740	8 595	—	803	—		

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Dec. 29th afternoon

RH 694. 20 Up Diaphragm 8

Strip	Class	Star	y	x	Defl	Defl	Cl	Dk	Volt.
	P	1S	1900	561	277	—	1006	273	4.99
	P	1	2210	749	305	—	1020	275	
	P	2	2165	363	330	—	1018	274	
	P	3	2024	400	370	—	1020	272	
	P	4	2178	737	400	—	1023	274	
	P	5	1910	535	480	—	1016	276	
	P	6	1814	699	640	—	1020	272	
	P	7	1828	819	690	—	1014	277	
	P	8	1870	560	885	—	1030	279	
20.8	P	149	2082	375	750	755	1021	278	
	P	82	2075	430	840	—	1025	280	
	P	206	2094	508	800	800	1024	283	
	P	201	2094	606	717	712	1011	280	
	P	202	2087	680	840	850	1015	279	
	P	203	2088	744	617	615	1005	281	
	P	204	2072	771	815	813	1013	284	
	P	205	2075	1225	807	804	1003	280	
21.0	P	206	2111	190	471	471	1000	270	Volt. 4.98
	P	207	2101	328	830	830	996	260	
	P	208	2109	611	700	700	1000	270	
	P	83	2106	995	840	—	995	269	
	P	1P	1900	561	260	—	985	260	
	P	1	2210	749	282	—	982	256	
	P	2	2165	363	310	—	980	255	
	P	3	2024	400	360	—	986	260	
	P	4	2178	737	390	—	990	265	
	P	5	1910	535	470	—	996	270	
	P	6	1814	699	630	—	1007	273	
	P	7	1828	819	680	—	999	269	
	P	8	1870	560	870	—	1015	275	

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Dk.-Dk.	1st Defl.-Dk	2nd Defl.-Dk.	Red. defl.		Mag.	L.N.O
744	1° 1	—	1	—		
749	1 25	—	33	—		
754	2 57	—	75	—		
748	3 99	—	132	—		
748	4 129	—	173	—		
746	5 203	—	272	—		
753	6 369	—	490	—		
748	7 414	—	552	—		
753	8 603	—	800	—		
748	289	285	387	382		
740	306	306	414	414		
745	45	46	60	62		
749	368	—	477	—	708	1208
746	410	408	549	547		
735	595	597	809	811		
738	77	77	102	102		
749	606	591	818	790		
736	506	491	686	668		
723	335	340	463	470		
718	438	—	611	—	761	1235
731	479	—	653	—	7725	1166
733	404	—	551	—	737	1109
728	478	468	655	642		
730	351	345	480	472		
727	587	—	809	—	834	758
730	220	212	303	290		
728	1° 4	—	5	—		
734	1 25	—	34	—		
730	2 51	—	70	—		
737	3 99	—	134	—		

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Dec. 31st. RH 694, No 4ps. Diaphragm 8

Strip	Class	Star	y	x	Defl	Defl	Cl	Dk	
	p	1s	1900	560	266	—	1009	265	Volt. 4.98 Trouble in voltmeter battery seems O.K.
	p	1	2210	749	288	—	1012	263	
	p	2	2165	362	318	—	1015	261	
	p	3	2024	400	364	—	1013	265	
	p	4	2178	736	391	—	1010	262	
	p	5	1910	534	470	—	1013	267	
	p	6	1814	697	633	—	1017	264	
	p	7	1828	818	680	—	1014	266	
	p	8	1870	560	870	—	1020	267	
21.2	f	209	2130	399	559	555	1018	270	
	f	216	2130	892	576	576	1010	270	
	f	211	2127	1098	315	316	1015	270	
21.4	p	84	2156	270	630	—	1021	272	
	f	212	2146	421	680	678	1016	270	
	f	213	2155	432	870	872	1010	275	
	f	214	2155	439	347	347	1008	270	
	f.	215	2150	454	880	865	1023	274	Volt. 4.98
	f.	216	2150	777	785	770	1015	279	
	f.	217	2140	1137	615	620	1003	280	
21.6	p.	85	2178	156	720	—	1000	282	
	p.	86	2159	370	758	—	1010	279	
	p.	87	2160	496	680	—	1009	276	
	f.	218	2160	529	750	740	1000	272	
	f	219	2177	995	621	615	1000	270	
	p.	88	2170	1122	855	—	995	268	
	f.	220	2168	1130	490	480	998	268	
	p	1s	1900	560	279	—	1003	275	
	p	1	2210	749	297	—	1006	272	
	p	2	2165	362	321	—	1000	270	
	p	3	2024	400	364	—	1002	265	

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1928phae.proj.12630

Cl.	Dk.	1st Defl.-Dk	2nd Defl.-Dk	Red. defl.		Mag.	L.No.
729	4. 123	—		169	—		
730	5. 200	—		274	—		
735	6. 360	—		490	—		
736	7. 402	—		547	—		
734	8. 593	—		805	—		
748	1° 8	—		11	—		
755	1 24	—		32	—		
757	2 54	—		71	—		
749	3 91	—		121	—		
748	4 123	—		165	—		
752	5 199	—		265	—		
757	6 361	—		478	—		
747	7 407	—		547	—		
753	8 608	—		797	—		
745	446	428		599	574		
743	563	—		760	—	797	1201
739	206	195		271	264		
738	331	—		450	—	701	805
740	137	—		186	—	609	1214
747	173	173		231	231		
744	388	382		511	513		
732	588	588		805	805		
741	120	120		162	162		
739	520	—		704	—	795	790
738	313	317		425	429		
740	510	516		689	696		
734	1° 9	—		12	—		
740	1 23	—		31	—		
742	2 52	—		70	—		

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Dec. 31st RH694, 72 Up. Diaphragm 8

Strip	Class	Star	y	x	Defl	Defl	Cl	Dk	
p		4	2178	736	387	—	993	264	
p		5	1910	534	460	—	990	260	
p		6	1814	697	625	—	1000	265	
p		7	1828	818	670	—	1004	268	
p		8	1870	560	860	—	1001	267	
		Dec. 31st		RH694, 72 Up,		Diaphragm 8			
p		10	1900	560	270	—	1010	262	Volt
p		1	2210	748	289	—	1020	265	5.02
p		2	2165	362	318	—	1021	264	
p		3	2024	399	360	—	1018	269	
p		4	2178	735	385	—	1010	262	
p		5	1910	532	459	—	1012	260	
p		6	1814	696	623	—	1019	262	
p		7	1828	817	672	—	1012	265	
p		8	1870	560	860	—	1013	260	
21.8	f	221	2182	176	710	692	1009	264	
	p	89	2190	227	830	—	1010	267	
	f	222	2194	897	465	460	1004	265	
	p	90	2190	962	600	—	1007	269	
22.0	p	91	2201	187	407	—	1010	270	
	f	223	2216	231	440	440	1014	267	
	f	224	2203	440	640	642	1004	260	
	f	225	2200	963	856	856	1000	268	
	f	226	2205	969	380	380	1001	260	
	p	92	2200	1010	780	—	999	260	
	f	227	2207	1045	570	574	995	257	
	f	228	2199	1092	770	776	1000	260	
	p	10	1900	560	270	—	995	261	
	p	1	2210	748	290	—	1007	267	
	p	2	2165	362	320	—	1010	268	

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1928phae.proj.12630

			Red. Defl.		Mag.	L. No.
738	3	94	—	127	—	
731	4	117	—	160	—	
738	5	196	—	265	—	
743	6	360	—	484	—	
747	7	405	—	543	—	
747	8	600	—	803	—	
716	10	1	—	1	—	
822	1	33	—	40	—	
818	2	61	—	75	—	
816	3	111	—	136	—	
811	4	142	—	175	—	
811	5	226	—	278	—	
816	6	389	—	476	—	
811	7	445	—	547	—	
818	8	648	—	790	—	
810		610	—	753	—	814 1176
809		641	—	793	—	829 948
800		430	420	537	525	
798		113	105	142	132	
802		416	416	518	518	
801		512	512	639	639	
812		552	402	680	495	
811		488	488	601	601	
795		432	423	543	535	
806		482	472	599	587	
801		535	533	667	665	
801		636	631	793	788	
808		650	640	804	793	
795		55	55	69	69	

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1928phae.proj.12636

Dec 31st afternoon RH 694, No Wedge, Diaphragm 8

Strip	Class	Star	Y	X	Defl	Defl	Cl	Dk	
	p	3	2024	399	360	—	1004	266	
	p	4	2178	735	386	—	1000	269	
	p	5	1910	532	460	—	1002	264	
	p	6	1814	696	623	—	1006	263	
	p	7	1828	817	670	—	1012	265	
	p	8	1870	560	860	—	1007	260	
	Jan.	2nd	329	RH 694, No Wedge, Diaphragm 8					Volt.
	p	1a	1900	570	270	—	1085	269	5.0
	p	1	2210	758	300	—	1089	267	
	p	2	2165	372	321	—	1078	260	
	p	3	2024	409	370	—	1075	259	
	p	4	2178	745	400	—	1069	258	
	p	5	1910	542	485	—	1070	259	
	p	6	1814	706	650	—	1077	261	
	p	7	1828	827	705	—	1071	260	
	p	8	1870	570	910	—	1080	262	
22.2	p	93	2217	289	870	—	1070	260	
	p	94	2220	700	900	—	1068	259	
	f	229	2230	713	690	680	1060	260	
	f	230	2230	906	370	362	1055	257	
	f	231	2229	1026	680	680	1066	264	
	f.	232	2225	1132	780	780	1069	268	
22.4	f.	233	2256	260	820	670 two stars	1080	268	
	f.	234	2250	669	755	755	1078	267	
	f.	235	2230	713	697	690	1060	265	
	f.	236	2251	1013	750	740	1074	268	
	f.	237	2255	1139	800	798	1066	265	
22.6	f.	238	2270	872	910	905	1075	274	
	f.	239	2269	920	920	910	1078	270	
22.8	f.	240	2295	269	320	320	1060	265	

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Pl.-Dk.		1st Diff.-Dk	2nd Diff.-Dk	red. diff.		Mag.	L.No.
806		516	514	640	638		
807		560	—	697	—	793	907
800		505	503	631	629		
809		579	570	716	705		
798		634	628	794	787		
808		551	546	680	674		
795		465	—	583	—	740	809
797		604	604	756	756		
810		621	620	767	766		
805		450	448	559	557		
794		584	594	735	748		
806		645	640	802	797		
795		590	—	741	—	810	880
802		615	605	765	763		
796		483	485	607	609		
860	1°	10	—	12	—		
811	1	40	—	49	—		
804	2	58	—	72	—		
811	3	109	—	134	—		
800	4	149	—	186	—		
803	5	222	—	275	—		
803	6	395	—	491	—		
809	7	449	—	548	—		
814	8	652	—	799	—		
824	1°	1	—	1	—		
831	1	25	—	30	—		
812	2	59	—	70	—		
824	3	108	—	131	—		
817	4	136	—	166	—		

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1928phae.proj.12636

Jan 2nd 29 RH 694, 720 Up, Diaphragm 8

Strip	Class	Star	y	x	Defl.	Defl. Cl.	Cl.	Dk.
	f.	241	2290	626	780	778	1070	264
	p.	95	2295	773	830	—	1077	270
	f.	242	2287	784	775	773	1070	270
	f.	243	2297	947	850	841	1080	271
	f.	244	2279	963	905	899	1069	271
23.0	f.	245	2310	440	820	815	1077	269
	p.	96	2308	1078	735	—	1065	270
	f.	246	2314	1103	880	880	1073	276
23.2	f.	247	2330	385	881	880	1070	260
	f.	248	2320	719	700	698	1055	250
	f.	249	2327	819	840	850	1050	256
	f.	250	2331	880	900	895	1061	255
	p.	97	2327	895	850	—	1055	260
	f.	251	2320	961	875	865	1062	260
	f.	252	2336	971	740	742	1053	257
	p	1a	1900	570	260	—	1050	250
	p	1	2210	758	289	—	1060	249
	p	2	2165	372	308	—	1054	250
	p	3	2024	409	357	—	1059	248
	p	4	2178	745	389	—	1040	240
	p	5	1910	542	464	—	1045	242
	p	6	1814	706	645	—	1053	250
	p	7	1828	827	700	—	1060	251
	p	8	1870	570	902	—	1064	258

Jan. 3rd 29 RH 694, 720 Up, Diaphragm 8 Volt. 49

p	1a	1900	550	240	—	1063	239	
p	1	2210	738	265	—	1071	240	
p	2	2165	352	295	—	1050	238	
p	3	2024	389	348	—	1064	240	
p	4	2178	725	379	—	1060	243	

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1928phae.proj.12630

G-Dk.	1st Defl.-Dk	2nd Defl.-Dk	Red. defl.		Mag.	L.No.
824	5 221	—	268	—		
829	6 400	—	484	—		
822	7 456	—	554	—		
835	6 670	—	803	—		
811	146	146	279	279		
807	618	622	765	770		
798	645	—	808	—	831	
797	612	—	780	—	820	1110
802	663	661	825	823		
800	600	600	750	750		
811	592	567	704	698		
801	635	635	792	792		
797	650	—	814	—	835	892
792	495	485	623	612		
792	622	622	785	785		
788	418	—	536	—	727	844
785	305	305	388	388		
796	398	388	500	500		
790	552	557	699	704		
786	500	—	637	—	765	926
792	639	—	806	—	830	
787	452	—	574	—	742	1043
786	310	—	395	—	682	1030
789	598	—	759	—	809	
789	559	557	709	707		
787	635	638	808	811		
788	649	—	823	—	840	
787	525	520	665	660		
784	479	481	609	611		
775	617	—	793	—	825	

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Jan. 3rd, 1929 RH 694, No 2p. Diaphragm 8

Steps	Class	Star	y	x	Defl	Defl	d	Dk	
	p	5	1910	522	460	—	1063	239	
	p	6	1814	686	640	—	1069	240	
	p	7	1828	807	694	—	1060	238	
	p	8	1870	550	910	—	1075	240	
23.4	f	253	2351	548	390	390	1055	244	
	f	254	2346	726	861	865	1050	243	
	fp	98	2340	1052	890	—	1043	245	
23.6	fp	99	2370	336	855	—	1040	243	
	f	255	2375	439	910	908	1049	247	
	f	256	2359	604	840	840	1040	240	
	f	257	2364	615	815	810	1054	243	
	f	258	2367	690	875	875	1041	240	
	fp	100	2358	853	892	—	1039	242	
	f	259	2366	873	740	730	1037	245	
	f	260	2361	928	870	870	1040	248	
	fp	101	2359	998	668	—	1038	250	
	f	261	2370	1028	550	550	1030	245	
23.8	f	262	2395	389	640	630	1037	242	
	f	263	2389	700	800	805	1038	248	
	fp	102	2397	940	750	—	1036	250	
	fp	103	2380	777	890	—	1043	251	
24.0	fp	104	2401	473	700	—	1035	248	
	fp	105	2399	500	554	—	1030	244	
	fp	106	2399	548	848	—	1039	250	41.9
24.2	f	264	2420	439	809	807	1039	250	
	f	265	2430	649	890	893	1042	255	
	fp	107	2435	729	901	—	1039	251	
	f	266	2421	739	775	770	1037	250	
24.4	f	267	2450	479	731	733	1036	252	
	fp	108	2455	789	872	—	1030	255	

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			Red.	Decl.	Mag.
779	659	—	846	—	..
785	522	522	664	664	
778	564	564	725	725	
782	623	—	797	—	826
786	P 3	—	4	—	
787	1 24	—	31	—	
792	2 54	—	68	—	
789	3 106	—	134	—	
783	4 133	—	170	—	
785	6 214	—	272	—	
787	6 386	—	490	—	
789	7 442	—	560	—	
794	8 649	—	816	—	

Furnished

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Jan 3rd 29 — RH694, No Wp, Diaphragm 8

Strip	Class	Star	y	x	Defc	Defq	Cl	Dk	
	p	169	2439	879	910	—	1030	257	
24.6	f	268	2464	628	775	775	1038	253	
	f	269	2469	660	820	820	1034	256	
	p	110	2455	789	880	—	1039	257	
	p	1p	1900	550	255	—	1038	252	
	p	1	2210	738	277	—	1040	253	
	p	2	2165	352	303	—	1041	249	
	p	3	2024	389	356	—	1039	250	
	p	4	2178	726	380	—	1030	247	
	p	5	1910	522	460	—	1031	246	
	p	6	1814	686	637	—	1038	251	4.89
	p	7	1828	807	690	—	1037	248	
	p	8	1870	550	900	—	1045	251	

Jan. 4th, '29. RH682, No Wp, Diaphragm 8 Volt

	p	1p	1826	633	249	—	1107	235	4.98
	p	1	2103	399	316	—	1122	235	
	p	2	1724	314	353	—	1115	238	
	p	3	1714	460	420	—	1124	243	
	p	4	2080	426	470	—	1120	240	
	p	5	1806	611	570	—	1110	242	
	p	6	1929	757	730	—	1125	246	
	p	7	2050	782	805	—	1130	245	
	p	8	1818	660	990	—	1122	247	
13.0	p	1	1370	619	770	—	1124	240	
	f	1	1299	674	930	930	1120	241	
13.2	p	2	1329	670	915	—	1115	240	
13.4	f	2	1349	564	850	850	1118	242	
	p	3	1350	866	855	—	1124	249	
138	f	3	1388	718	680	675	1130	247	
	f	4	1380	884	960	955	1120	243	

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Cl.-Dk.	1st Defl.-Dk	2nd Defl.-Rk	Reduced Defl.	
868	268	—	309	—
862	11	—	12	—
878	78	—	80	—
863	117	—	136	—
863	182	—	211	—
870	283	—	268	—
869	332	—	380	—
874	495	—	566	—
876	164	—	187	—
871	750	—	861	—

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1926phae.proj.12056

Jan 4th '29 RH 682, 20 Yp, Diaphragm 8

Strip	Class	Star	y	x	Defl	Defl	cc	Dk
p		4	1375	957	510	—	1110	242
p		10	1826	633	249	—	1100	238
p		1	2103	399	310	—	1118	240
p		2	1724	314	359	—	1105	242
p		3	1714	460	422	—	1101	240
p		4	2080	426	475	—	1112	242
p		5	1806	611	573	—	1110	241
p		6	1929	757	734	—	1113	239
p		7	2050	782	808	—	1120	244
p		8	1818	660	993	—	1114	243

Continued on page 114

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1928phae.proj.1263C

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1926phae.proj..1209c

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1928phae.proj.12630

100 H J P Feb 9th. RH 884, No Wp

Mag	Class	Star	y	x	Nefe	Cl	Dk
		1s	1923	842	252	943	209
		1	1618	649	354	951	210
		2	—	—	408	927	214
		3	—	—	479	927	216
		4	—	—	481	960	219
		5	—	—	570	955	220
		6	—	—	675	990	222
		7	—	—	688	967	225
		8	—	—	829	970	220
13.4	Φ.	1	1343	726	581	969	221
13.6	Φ.	2	1371	592	808	989	220
14.2	Φ.	3	1429	641	729	975	230
	Φ.	4	1425	834	792	956	226
	Φ.	5	1422	881	545	928	207
	Φ	6	1418	909	661	950	230
14.4	Φ	7	1448	1048	769	931	232
14.6	Φ	8	1472	386	690	980	230
	Φ	9	1469	530	827	970	226
	Φ	10	1468	890	680	936	230
14.8	Φ.	11	1484	1094	811	925	230
15.0	Φ	12	1505	509	786	970	230
15.2	Φ.	13	1525	326	712	982	228
	Φ.	14	1531	630	752	950	232
15.4	Φ.	15	1555	1145	654	927	222
15.6	Φ.	16	1557	940	810	918	225
15.8	Φ	17	1590	390	820	980	225
16.0	Φ	18	1603	300	800	986	225
	Φ.	19	1605	708	768	926	222
	Φ.	20	1600	1072	808	918	221
	Φ.	21	1598	1117	955	921	222
	Φ.	22	1609	1210	480	894	221

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1929phae.proj.12003

C-Dk	Dep-Dk	Reduced Dep	mag	L.No
734	43	1° 59		
741	144	1 194		
713	194	2 272		
711	263	3 371		
741	262	4 354		
735	360	5 477		
768	453	6 590		
742	463	7 625		
750	609	8 812		
748	360	482		
769	588	765		
745	499	670		
730	566	765		
716	338	473		
720	431	598		
699	537	769		
750	460	614		
744	601	807		
706	450	638		
695	581	836		
740	556	743		
754	484	643		
718	520	724		
705	432	612		
793	585	737		
755	595	788		
761	576	756		
704	646	775		
697	587	841		
699	538	763		
673	259	285		

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1928phae.proj.12630

HJP. Feb. 9 RN 884

Strip	Class	Star	y	x	Dep.	cl.	Dk	
		10	1923	842	262	920	219	
		1	1618	650	370	925	220	
		2	—	—	400	900	218	
		3	—	—	480	889	228	
		4	—	—	479	930	221	
		5	—	—	572	929	221	
		6	—	—	676	958	223	
		7	—	—	688	923	225	
		8	—	—	825	941	225	
F.m.c.	Feb. 11, '29	15	1921	870	267	920	200	5.20
		1	1618	670	410	950	210	
		2	—	—	452	920	215	
		3	—	—	530	913	216	
		4	—	—	572	954	220	
		5	—	—	634	960	223	
		6	—	—	707	983	225	
		7	—	—	739	997	220	
		8	—	—	846	972	222	
16.2		23	1629	408	815	1014	223	
		24	1634	455	720	1000	229	
		25	1623	1262	724	919	230	
16.4		26	1643	922	692	944	230	
		27	1641	1049	730	937	230	
		28	1634	1056	485	945	231	
		29	1640	1150	660	940	234	
17.2		30	1728	995	820	960	237	
		31	1723	1132	830	960	240	
17.4		32	1747	1049	732	960	240	
		33	1738	1098	640	952	239	
		34	1740	1322	844	980	236	

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1929phao.proj.12636

Cl.-Dk.	Defl.-Dk	Reduc Defl.
701	43	62
715	150	209
682	182	266
666	257	386
709	258	364
708	351	495
735	453	617
698	463	664
716	600	838
720	67	1° 93
740	200	1 270
705	237	2 336
697	314	3 451
734	352	4 479
737	411	5 637
758	472	6 621
777	519	7 668
760	624	8 832
791	692	748
771	491	637
689	494	718
714	462	646
767	500	707
714	254	356
706	426	603
723	583	808
720	590	818
720	492	683
713	401	562
694	608	876

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1928phae.proj.12630

F.M.C. Feb. 11, 1929

Strip	class	Star	y	x	Diff	bl.	Dk	Volt	
17.6		35	1761	1160	too faint				
		36	1767	1210	771	895	230		
		37	1774	1254	738	902	233		
17.8		38	1778	1026	539	890	230		
		39	1790	1091	602	909	230		
18.0		40	1810	762	773	941	234		
		41	1811	1290	690	870	215		
18.2		42	1830	420	740	930	211		
		43	1835	814	600	partly covered		by dark line	
18.4		44	1855	1221	700	810	241		
18.6		45	1862	190	732	877	243		
		46	1866	372	770	872	245		
		47	1865	1301	520	808	230		
		1S	1921	870	248	888	230		
		1	1618	670	381	892	228		
		2	—	—	405	852	225		
		3	—	—	469	846	225		
		4	—	—	498	887	172		
		5	—	—	555	890	178		
		6	—	—	645	917	179		
		7	—	—	660	925	178		
		8	—	—	780	902	180		5.20
W.J.R.		Feb.	11, 1929		RN 884				5.20
		10	1919	574	266	930	176		
		1	1608	672	380	943	170		
		2	—	1060	420	910	171		
		3	—	—	500	916	172		
		4	—	—	536	907	172		
		5	—	—	590	929	173		
		6	—	—	698	968	174		
		7	—	—	719	980	176		

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1928phae.proj.12630

O.-Dk.	Diff.-Dk.	Reduced Diff.
665		
	541	813
669	505	754
660	309	547
679	372	547
707	539	765
655	475	725
719	529	736
569	459	807
634	489	770
627	525	836
598	290	502
668	18	1° 27
664	153	1 230
627	180	2 287
621	244	3 393
715	326	4 456
712	377	5 529
738	466	6 631
747	482	7 644
722	600	8 832
754	90	1° 119
713	216	1 271
739	249	2 338
744	323	3 434
765	364	4 476
766	417	5 544
794	524	6 660
804	543	7 695

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1928phae.proj.12630

RH884

Strip	Class	Star	Y	X	Diff	Cl	Dk	Volt
		8			818	950	178	
18.8		48	1879	250	816	1008	178	
		49	1878	329	803	1000	180	
		50	1889	1072	558	940	180	
		51	1880	1153	472	927	181	
19.4		52	1945	209	444	1022	182	
		53	1941	607	630	974	190	
		54	1937	941	802	950	191	
		55	1949	1086	804	930	190	
19.6		56	1957	425	~~798~~ 724	998	190	
		57	1969	495	659	998	191	
		58	1956	1245	780	929	191	
19.8		59	1979	233	811	1018	192	
		60	1978	550	790	978	194	
20.0		61	2010	425	667	991	191	
		62	1990	621	745	975	191	
		63	1999	1188	712	929	192	
20.2		64	2012	1053	758	928	195	
20.4		65	2052	446	776	1003	199	
		66	2040	1167	712	917	196	
20.8		67	2090	466	750	1000	199	
		68	2090	1342	730	910	199	
21.0		69	2100	too	faint			
		70	2104	1035	560	918	199	
21.4		71	2152	1198	578	904	201	
21.6		72	2160	781	595	956	201	
21.8		73	2190	970	729	933	~~200~~	
		74	2195	1269	810	908	198	
22.0		75	2201	1075	592	920	195	
		10	1910	873	280	918	193	
		1	1605	672	400	930	190	

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1929phae.proj.12000

Cl.-Dk.	Defl.-Dk.	Reduced
772	640	829
836	638	778
836	623	760
760	378	497
746	291	390
840	262	311
784	446	562
759	611	805
740	614	830
808	614	760
807	534	663
738	468	635
816	589	713
784	619	790
800	596	747
784	554	708
737	520	705
733	563	768
804	577	718
721	526	729
801	561	687
711	531	745
719	361	502
703	377	535
755	394	522
733	529	721
710	612	861
725	397	507
725	89	120
740	218	284

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1928phae.proj.12630

108 Hj P. Feb 11, 1928 R H 884

Strip	class	star	y	x	Diff	cl	Dk	Voth
		2	—	—	476	900	191	
		3	—	—	529	905	196	
		4	—	—	562	932	196	
		5	—	—	619	930	198	
		6	—	—	690	957	200	
		7	—	—	721	971	200	
		8	—	—	815	940	198	5.70
	Hj P.		Feb.	12, 1929.	R H	884		
		10	1925	842	280	938	185	5.00
		1	1619	648	438	950	185	
		2	—	—	459	920	188	
		3	—	—	531	920	188	
		4	—	—	578	950	190	
		5	—	—	650	953	196	
		6	—	—	700	971	191	
		7	—	—	740	989	190	
		8	—	—	839	960	190	
22.2		76	2228	381	816	1010	190	
		77	2229	725	822	960	190	
		78	2230	1005	812	919	190	
		79	2221	1039	601	918	190	
22.4		80	2245	379	514	1010	190	
		81	2240	938	590	950	192	
22.6		82	2241	919	572	948	190	
22.8		83	2280	658	802	940	192	
		84	2295	758	800	954	192	
		85	2292	1731	656	923	192	
23.0		86	2302	390	772	1010	196	
		87	2315	590	729	978	200	

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1929phao.proj.12026

Cl.-Dk.	Defl.-Dk.	Reduced
709	235	2 332
709	343	3 485
736	367	4 498
732	421	5 575
757	490	6 648
771	521	7 675
742	617	8 830
753	95	1° 126
765	253	1 330
732	271	2 370
732	343	3 469
760	388	4 511
757	464	5 600
780	509	6 653
799	550	7 690
770	649	8 843
820	626	764
770	632	820
719	622	866
728	411	564
820	324	395
758	398	518
758	382	497
748	610	815
762	608	800
731	464	635
814	576	707
778	529	681

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1928phae.proj.12630

110

H. J. P. Feb. 17, 1929. R. H. 884

Strip	Class	Star	Y	X	Deflec.	Clear	Deflec.	Photo-
23.0		88	2301	1033	691	924	192	
		89	2300	1102	820	939	205	
23.2		90	2320	902	810	950	203	
		91	2323	914	695	955	203	
		92	2335	1153	439	918	200	
23.4		93	2340	287	770	1000	201	
		94	2346	1108	750	923	200	
23.6		95	2360	506	580	980	200	
		96	2370	1179	479	916	194	
23.8		97	2379	392	810	999	194	
24.0		98	2409	532	760	990	196	
		99	2400	650	686	949	197	
		100	2395	800	770	940	200	
24.2		101	2428	396	680	1005	200	
		102	2428	628	550	970	200	
		103	2420	1008	590	935	195	
25.0		104	2508	584	776	990	208	
		1a	1925	843	290	936	209	
		1	1618	649	429	945	210	
		2	—	—	470	910	207	
		3	—	—	532	912	206	
		4	—	—	580	942	210	
		5	—	—	690	939	210	
		6	—	—	702	963	210	
		7	—	—	745	980	212	
		8	—	—	832	955	211	

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1929phao.proj.12936

O.-Dk.	Defl.-Dk	Reduced Defl.
732	499	682
734	615	838
747	607	812
752	492	653
718	239	333
799	569	713
723	550	761
780	380	487
722	275	381
805	616	765
794	564	711
752	489	650
740	570	771
805	480	596
770	350	455
740	395	534
782	568	727
727	81	P 103
735	219	1 298
703	263	2 374
706	326	3 461
732	370	4 507
729	420	5 576
753	492	6 673
768	533	7 696
744	621	8 835

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1928phae.proj.1263

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1928phae.proj.12630

F.M.C. Feb. 18, 1929 RH 682 Tros. up.

Strip	class	star	y	x	Dyfl	Dxfl	cl	Dx	Wdt
		15	1829	660	220	—	1310	210	5.29
		1	2107	428	290	—	1330	211	
		2	—	—	350	—	1321	215	
		3	—	—	420	—	1320	214	
		4	—	—	500	—	1320	215	
		5	—	—	610	—	1310	216	
		6	—	—	812	—	1322	219	
		7	—	—	909	—	1330	220	
		8	—	—	1160	—	1328	221	
14.0	f	5	1405	615	1125	1130	1321	224	
	f	5	1411	955	383	—	1312	228	
14.2	f	6	1429	491	730	—	1320	230	
	f	6	1421	699	820	820	1329	230	
	f	7	1426	714	547	547	1305	222	
	f	8	1418	781	1140	1140	1310	229	
	f	7	1415	1054	980	—	1313	230	
14.4	f	9	1449	400	1021	1021	1319	232	
	f	8	1452	442	945	—	1320	230	
	f	10	1445	444	740	740	1319	230	
	f	11	1438	679	925	925	1314	230	
	f	12	1438	750	1075	1075	1310	230	
	f	13	1450	781	1020	1020	1300	230	
	f	9	1451	800	581	—	1300	230	
14.6	f	10	1460	450	1070	—	1309	229	
	f	14	1470	750	671	671	1309	230	
	f	15	1460	956	630	634	1290	226	
14.8	f	16	1477	841	939	940	1312	230	
15.0	f	11	1499	418	1130	—	1300	229	
	f	17	1505	520	981	981	1310	226	
	f	12	1505	652	1020	—	1301	228	

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α-Dk	Defl-Dk	Defl-Dk	Reduced Defl	Reduced Defl	Magn.	L. No
1100	10	—	1p 9	—		
1119	79	—	1 71	—		
1106	135	—	2 122	—		
1106	206	—	3 186	—		
1105	285	—	4 258	—		
1094	394	—	5 360	—		
1103	593	—	6 538	—		
1110	689	—	7 621	—		
1107	939	—	8 850			
1097	901	906	822	822		
1084	155	—	143	—		
1090	500	—	459	—		
1099	590	590	538	538		
1083	325	325				
1081	911	911	842	842		
1083	750	—	692			
1077	789	789	733	733		
1090	715	—	655	—		
1089	510	510	469	469		
1084	695	695	641	641		
1080	845	845	782	782		
1070	790	790	739	739		
1070	351	—	329	—		
1080	841	—	778	—		
1079	441	441	410	410		
1064	404	408	380	384		
1082	709	710	655	656		
1071	901	—	841	—		
1084	755	755	696	696		
1073	792	—	738	—		

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7 m.c. Feb. 18, 1929. R.H. 682 Two. ey.

Simp	class	star	y	x	Defl	Defl	cl	Dk	
15.0	f	13	1512	700	1010	—	1302	230	
	f	18	1514	852	990	990	1260	240	
15.2	f	14	1531	270	982	—	1288	220	
	f	15	1538	960	1000	—	1282	225	
	f	16	1527	1082	801	—	1289	220	
15.4	f	17	1545	423	1112	—	1290	220	
	f	19	1550	560	790	790	1290	220	
	f	20	1540	656	870	870	1294	220	
	f	18	1555	883	730	—	1293	220	
	f	21	1549	896	1120	1120	1288	220	
	f	22	1547	978	992	992	1271	220	
	f	23	1550	1038	700	700	1280	221	
15.6	f	19	1572	250	520	—	1280	221	
	f	20	1562	498	1140	—	1290	220	
	f	21	1570	550	384	—	1287	219	
		18	1829	660	230	—	1270	211	
		1	2107	428	310	—	1290	220	
		2	—	—	370	—	1271	215	
		3	—	—	426	—	1279	215	
		4	—	—	506	—	1276	214	
		5	—	—	590	—	1270	210	
		6	—	—	791	—	1271	209	
		7	—	—	890	—	1278	210	
		8	—	—	1120	—	1263	212	5.25
			A. J. P. –	R. H. 682 –	Feb.	18, 1929			5.20
		18	1830	661	230	—	1320	210	
		1	2108	428	330	—	1346	210	
		2	—	—	370	—	1320	208	
		3	—	—	441	—	1331	209	

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α − Dk	Dfl − Dk	Dfl − Dk	Reduced Dfl	Reduced Dfl	Magn.	D. No.
1072	780	—	728	—		
1020	750	750	736	736		
1068	762	—	714	—		
1057	775	—	734	—		
1069	581	—	545	—		
1070	892	—	835	—		
1070	570	570	534	534		
1074	650	650	606	606		
1073	510	—	476	—		
1068	900	900	843	843		
1051	772	772	735	735		
1059	479	479	453	453		
1059	299	—	283	—		
1070	920	—	860	—		
1068	165	—	154	—		
1059	19	—	1p 18	—		
1070	90	—	1 84	—		
1056	155	—	2 147	—		
1064	211	—	3 198	—		
1062	292	—	4 275	—		
1066	380	—	5 359	—		
1062	582	—	6 548	—		
1068	680	—	7 637	—		
1051	908	—	8 864	—		
1110	20	—	1p 18	—		
1136	120	—	106	—		
1112	162	—	2 145	—		
1122	232	—	3 206	—		

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1928phae.proj.12632

Strip	class	star	y	x	Defl	Defl	I	Dk	Volt
		4	—	—	550	+	1328	210	
		5	—	—	690	—	1318	210	
		6	—	—	845	—	1325	218	
		7	—	—	940	—	1395	220	
		8	—	—	1180	—	1323	214	
15.8	f		1585	1063	780	780	1315	210	
16.0	f	22	1610	272	1118	—	1325	218	
	f	24	1601	550	1102	1102	1332	220	
	f	25	1610	574	462	468	1322	211	
	f	26	1602	1021	915	915	1310	212	
16.2	f	23	1639	320	840	—	1325	215	
	f	27	1618	732	651	651	1302	213	
	f	24	1621	799	531	—	1305	210	
16.4	f	25	1651	214	962	—	1305	210	
	f	26	1639	420	831	—	1308	210	
	f	27	1650	482	700	—	1315	210	
	f	28	1647	583	842	—	1305	211	
	f	28	1632	705	970	975	1290	208	
	f	29	1648	932	720	—	1290	210	
	f	30	1646	964	652	—	1300	218	
	f	31	1643	1020	980	—	1294	210	
16.6	f	32	1660	429	705	—	1295	200	
	f	33	1669	440	937	—	1297	200	
	f	34	1672	502	1042	—	1290	201	
	f	29	1659	619	846	840	1288	199	
	f	30	1665	830	860	860	1278	200	
	f	35	1660	900	1030	—	1270	200	
	f	31	1656	1074	980	980	1265	200	
16.8	f	32	1690	290	640	644	1270	200	
17.2	f	36	1732	350	949	—	1253	200	

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1928phae.proj.12630

A-Dk	Defe.-Dk	Defe.-Dk	Reduced Defe	Reduced Defe	Magn.	L. No.
1118	340	—	4. 304	—		
1108	420	—	5. 380	—		
1107	627	—	6. 567	—		
1115	726	—	7. 645	—		
1109	966	—	8. 873	—		
1105	570	570	515	515		
1107	900	—	810	—		
1112	882	882	792	792		
1111	251	257	225	231		
1098	703	703	640	640		
1110	625	—	564	—		
1089	438	438	403	403		
1095	321	—	293	—		
1095	752	—	687	—		
1098	621	—	566	—		
1105	490	—	445	—		
1094	631	—	576	—		
1082	762	767	704	709		
1080	510	—	473	—		
1090	442	—	405	—		
1084	770	—	710	—		
1090	565	—	465	—		
1097	737	—	673	—		
1089	841	—	774	—		
1089	641	641	590	590		
1078	660	660	613	613		
1070	830	—	775	—		
1065	780	780	730	730		
1070	440	444	410	414		
1053	749	—	710	—		

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1928phae.proj.12630

W. J. P — R. A. 682 — Feb 18, 1929

Strip	class	star	y	x	Diff	Diff	cl	Dk	Volt
17.2	f	33	1728	432	360	360	1270	200	
	f	34	1725	820	902	902	1258	202	
17.4	f	35	1750	618	610	610	1273	201	
17.6	f	37	1760	449	1079	—	1280	208	
	f	36	1769	1022	772	772	1245	206	
17.8	f	37	1790	475	990	994	1269	206	
	f	38	1780	989	970	—	1260	210	
18.0	f	38	1806	164	940	943	1260	210	
	f	39	1798	1164	700	700	1257	210	
	f	10	1830	661	230	—	1240	203	
		1	2108	428	330	—	1260	201	
		2	—	—	351	—	1246	202	
		3	—	—	418	—	1250	203	
		4	—	—	510	—	1248	201	
		5	—	—	591	—	1240	201	
		6	—	—	830	—	1248	200	
		7	—	—	878	—	1250	205	
		8	—	—	1132	—	1241	210	5.12
F.m.c. Feb. 19, 1929		15	1829	636	190	—	1318	170	5.31
		1	2108	400	285	—	1343	171	
		2	—	—	342	—	1329	180	
		3	—	—	411	—	1326	170	
		4	—	—	505	—	1323	169	
		5	—	—	590	—	1309	170	
		6	—	—	821	—	1321	170	
		7	—	—	905	—	1331	170	
		8	—	—	1170	—	1325	170	
18.2	f	40	1818	145	1141	1141	1321	176	
	f	41	1820	455	870	870	1335	170	
	f	39	1820	471	924	—	1329	169	

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1928phae.proj.12630

α-Dk	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn.	L. No.
1070	160	160	150	150		
1056	700	700	665	665		
1072	409	409	381	381		
1072	871	—	811	—		
1039	566	566	546	546		
1063	784	788	736	740		
1053	760	—	720	—		
1050	730	733	695	698		
1047	490	490	468	468		
1037	27	—	1. 26	—		
1059	129	—	1. 122	—		
1044	149	—	2. 143	—		
1047	215	—	3. 206	—		
1047	309	—	4. 296	—		
1039	390	—	5. 376	—		
1048	630	—	6. 600	—		
1045	673	—	7. 643	—		
1031	922	—	8. 892	—		
1148	20	—	1A 18	—		
1172	114	—	1 112	—		
1149	162	—	2 141	—		
1156	241	—	3 208	—		
1154	336	—	4 290	—		
1139	420	—	5 370	—		
1151	651	—	6. 565	—		
1151	735	—	7 637	—		
1155	1000	—	8 865	—		
1145	965	965	845	845		
1165	700	700	600	600		
1160	755	—	650	—		

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F.M.C. Feb. 19, 1929 – R.H. 682

Strip	Class	Star	y	x	Dyll	Dyll	Cl	Dh	Volt
18.2	f	42	1826	989	1029	1031	1321	160	
	f	43	1828	1113	821	821	1319	162	
18.4	f	44	1851	098	1060	1060	1320	170	
	f	40	1851	362	960	—	1349	170	
	f	45	1838	379	770	772	1331	172	
	f	41	1849	900	645	—	1330	180	
18.6	f	46	1860	139	1130	1130	1339	188	
	f	47	1870	881	1085	1088	1340	190	
	f	42	1874	1145	980	—	1344	180	
18.8	f	48	1887	091	1010	1010	1340	197	
	f	49	1882	285	1040	1040	1334	190	
	f	50	1894	363	909	909	1346	191	
	f	51	1895	561	898	900	1359	190	
	f	43	1887	1180	650	—	1304	190	
19.0	f	52	1911	648	1120	1120	1339	194	
	f	53	1900	650	1030	1030	1346	194	
	f	44	1907	1269	1148	—	1330	200	
19.2	f	45	1919	131	991	—	1344	210	
	f	46	1919	186	1030	—	1347	208	
	f	54	1939	502	1130	1130	1352	200	
	f	55	1933	536	1071	1071	1349	197	
	f	56	1920	593	750	752	1337	189	
	f	57	1927	792	575	575	1330	190	
	f	58	1929	815	883	883	1331	190	
	f	59	1921	830	780	780	1340	188	
	f	60	1926	888	980	980	1330	190	
19.4	f	47	1940	145	801	—	1326	190	
19.6	f	61	1960	249	980	980	1311	180	
	f	48	1959	571	1109	—	1335	189	
	f	62	1975	604	912	915	1330	182	

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Cl-Dk	Dyll-Dk	Dyll-Dk	Reduced	Reduced	Magm.	L. No
11 61	869	871	748	750		
11 57	659	659	569	569		
11 56	896	890	775	775		
11 79	790	—	670	—		
11 59	588	600	508	518		
11 50	465	—	405	—		
11 51	942	942	817	817		
11 50	895	898	777	780		
11 64	800	—	687	—		
11 43	813	813	710	710		
11 44	850	850	745	745		
11 55	718	718	621	621		
11 69	708	710	606	608		
11 14	460	—	413	—		
11 45	926	926	810	810		
11 52	836	836	725	725		
11 30	948	—	838	—		
11 34	781	—	689	—		
11 39	822	—	723	—		
11 52	930	930	805	805		
11 52	874	874	757	757		
11 48	561	563	489	491		
11 40	385	385	338	338		
11 41	693	693	606	606		
11 52	592	592	513	513		
11 40	790	790	693	693		
11 36	611	—	537	—		
11 31	200	200	176	176		
11 46	920	—	803	—		
11 48	730	733	635	638		

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F.M.C. Feb. 19, 1929 R.H. 682

Sep	class	star	y	x	Diff	Diff	cl	Dk	Volt
9.6	f	49	1958	1082	1041	—	1320	195	
		1S	1829	636	211	—	1301	188	
		1	2108	400	308	—	1328	181	
		2	—	—	359	—	1317	181	
		3	—	—	432	—	1323	188	
		4	—	—	530	—	1321	188	
		5	—	—	618	—	1310	181	
		6	—	—	830	—	1320	186	
		7	—	—	916	—	1322	178	
		8	—	—	1160	—	1319	181	5.28
Hj P. – Feb. 19, 1929 – R.H. 682									
		1A	1829	636	222	—	1310	200	5.20
		1	2118	402	320	—	1343	202	
		2	—	—	380	—	1330	207	
		3	—	—	460	—	1339	210	
		4	—	—	551	—	1340	212	
		5	—	—	637	—	1315	210	
		6	—	—	855	—	1342	215	
		7	—	—	932	—	1341	208	
		8	—	—	1185	—	1331	210	
19.8	f	63	1985	925	1010	1010	1330	210	
	f	50	1982	1189	1104	—	1316	210	
20.0	f	64	2010	089	962	962	1312	210	
	f	65	2005	324	1080	1080	1328	210	
	f	66	2009	478	780	780	1325	210	
	f	67	2009	1201	780	780	1315	212	
20.2	f	68	2021	250	1122	1122	1310	212	
	f	69	2021	482	1032	1035	1327	216	
	f	70	2027	929	920	925	1332	218	

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Cl-Dk	Defl-Dk	Defl-Dk	Reduced	Reduced	Magn.	L. No.
1125	846	—	751	—		
1113	23	—	20	—		
1147	127	—	111	—		
1136	178	—	157	—		
1135	244	—	215	—		
1133	342	—	302	—		
1129	437	—	388	—		
1134	644	—	567	—		
1144	738	—	645	—		
1138	979	—	860	—		
1110	22	—	19	—		
1141	118	—	103	—		
1123	173	—	154	—		
1129	250	—	222	—		
1128	339	—	301	—		
1105	427	—	386	—		
1127	640	—	567	—		
1133	724	—	638	—		
1121	975	—	870	—		
1120	800	800	715	715		
1106	894	—	807	—		
1102	752	752	682	682		
1118	870	870	780	780		
1115	570	570	510	510		
1103	568	568	515	515		
1098	810	810	737	737		
1111	816	819	735	737		
1114	702	704	630	635		

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H. J. P — R. A. 682 — Feb. 19, 1929

Strip	Class		Star	Ny	X	Defl	Defl	Cl	Dk	Notes
	p.	51	2021	2021	1152	685	—	1312	220	
	p.	52		2019	1290	943	—	1318	221	
20.4	f	71		2058	220	870	870	1330	225	
	f	72		2040	442	510	510	1320	221	
20.6	f	73		2070	250	770	770	1330	221	
	f	74		2069	504	860	860	1335	225	
20.8	p.	53		2078	743	653	—	1330	230	
	f	75		2078	950	1030	1030	1325	230	
21.0	f	76		2100	999	1030	1030	1330	230	
	p.	54		2110	1250	940	—	1325	230	
21.2	p.	55		2116	118	816	—	1290	230	
	f	77		2190	730	1050	1060	1312	222	
	p	56		2120	792	1040	—	1317	220	
21.4	p	57		2150	328	1038	—	1318	224	
	f	78		2145	997	1128	1128	1327	229	
	p.	58		2150	1132	1055	—	1318	226	
21.6	p	59		2169	225	998	—	1319	230	
	p	60		2170	924	975	—	1318	231	
	f	79		2160	1121	818	870	1308	231	
21.8	f	80		2180	748	385	385	1320	225	
	p	61		2179	802	689	—	1317	220	
	p	62		2180	1080	450	—	1292	215	
		10		1879	636	250	—	1295	230	
		1		2108	402	330	—	1310	228	
		2		—	—	380	—	1300	230	
		3		—	—	455	—	1300	225	
		4		—	—	520	—	1295	222	
		5		—	—	630	—	1290	230	
		6		—	—	853	—	1307	230	
		7		—	—	925	—	1310	235	
		8		—	—	1160	—	1310	240	V. 12

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1928phae.proj.12630

A-Dk	Dafa-Dk	Dafa-Dk	Reduced	Reduced	Magn.	D. No.
1092	465	—	425	—		
1097	722	—	657	—		
1105	645	645	585	585		
1099	289	289	263	263		
1109	549	549	495	495		
1110	635	635	573	573		
1100	423	—	384	—		
1095	800	800	730	730		
1100	800	800	727	727		
1095	710	—	650	—		
1060	586	—	553	—		
1090	828	838	760	770		
1097	820	—	747	—		
1094	814	—	744	—		
1098	899	899	819	819		
1092	829	—	757	—		
1089	768	—	705	—		
1087	744	—	684	—		
1077	587	589	545	547		
1095	160	160	146	146		
1097	469	—	427	—		
1077	235	—	218	—		
1065	20	—	19	—		
1082	102	—	94	—		
1070	150	—	140	—		
1075	230	—	214	—		
1073	298	—	278	—		
1060	400	—	378	—		
1077	623	—	577	—		
1075	690	—	640	—		
1070	920	—	860	—		

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1928phae.proj.12630

F.M.C. Feb 20, 1929 RH 682

Strip	Class	Star	y	x	Defl.	Defl	Cl.	Dk.	Volts
		18	829	630	209	—	1319	181	5.31
		1	2108	399	320	—	1338	180	
		2	—	—	375	—	1321	185	
		3	—	—	454	—	1330	189	
		4	—	—	549	—	1338	190	
		5	—	—	642	—	1321	194	
		6	—	—	870	—	1345	200	
		7	—	—	960	—	1350	205	
		8	—	—	1190	—	1358	210	
22.0		81	2201	261	1180	1181	1361	209	
		82	2216	702	1155	1160	1368	214	
		83	2214	849	1060	1080	1380	217	
		84	2196	878	998	1000	1369	214	
		63	2200	892	1001	—	1359	210	
		85	2214	1072	1100	1105	1357	215	
22.2		64	2231	182	1162	—	1359	212	
		86	2219	728	984	995	1360	218	
		65	2230	858	761	—	1360	219	
22.4		87	2250	440	660	670	1361	219	
		66	2249	767	1163	—	1359	214	
		67	2248	804	958	—	1360	215	
		88	2240	898	1135	1135	1350	218	
		68	2239	1199	1098	—	1350	220	
22.6		89	2259	265	1140	1140	1344	221	
		90	2260	527	705	705	1352	222	
		91	2270	700	790	790	1340	210	
		69	2259	954	1175	—	1340	214	
		70	2266	1209	530	—	1330	211	
22.8		92	2281	305	445	446	1320	210	
		93	2285	619	1150	1150	1346	212	

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α-Dec	Defl-Dec	Defl-Dec	Reduced	Reduced	Magn.	D. No.
11 38	28	—	1° 25	—		
11 58	140	—	1 121	—		
11 36	190	—	2 167	—		
11 41	265	—	3 232	—		
11 48	359	—	4 313	—		
11 27	448	—	5 398	—		
11 45	670	—	6 585	—		
11 45	755	—	7 660	—		
11 48	980	—	8 855	—		
11 52	971	972	843	844		
11 54	941	946	816	820		
11 63	843	863	725	743		
11 55	784	786	678	680		
11 49	791	—	689	—		
11 42	885	890	775	780		
11 47	950	—	830	—		
11 42	766	777	671	680		
11 41	542	—	475	—		
11 42	441	451	386	394		
11 45	949	—	827	—		
11 45	743	—	647	—		
11 32	917	917	810	810		
11 30	878	—	778	—		
11 23	919	919	818	818		
11 30	483	483	428	428		
11 36	580	580	513	513		
11 26	961	—	853	—		
11 19	319	—		—		
11 10	235	236	212	213		
11 34	938	938	827	827		

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FMC MRD Feb 20th RH 682

Sup	class	star	y	x	Defl	Defl	cl	Dbr	Volt
	p	71	2281	684	1015	—	1341	211	
	f	94	2281	900	1180	1180	1340	213	
	f	95	2291	901	1010	1010	1335	212	
	f	96	2283	919	1105	1105	1342	220	
23.0	p	72	2305	487	850	—	1340	220	
	f	97	2300	946	1109	1169	1348	221	
	f	98	2301	1099	1130	1130	1350	220	
	f	99	2299	1190	1015	1018	1321	221	
23.2	f	100	2330	700	1050	1050	1340	219	
23.4	p	73	2351	496	1060	—	1345	219	
23.6	f	101	2369	428	1085	1095	1339	220	
	f	102	2371	480	920	922	1328	218	
	f	74	2359	768	1040	—	1338	220	
	f	103	2361	960	1020	1020	1332	221	
23.8	f	104	2390	907	1110	1110	1325	221	
24.0	p	75	2400	342	906	—	1325	226	
24.2	p	76	2437	782	1080	—	1332	231	
	p	77	2425	881	1065	—	1330	230	
24.4	p	78	2449	378	1140	—	1322	230	
	p	79	2440	411	945	—	1320	231	
	p	80	2445	491	1138	—	1327	232	
	p	81	2450	558	1175	—	1330	231	
	p	82	2454	868	330	—	1325	230	
	f	105	2451	908	600	605	1320	225	
24.8	p	83	2494	781	1087	—	1322	227	
	f	106	2490	829	1166	1155	1330	229	
25.0	p	84	2506	859	1160	—	1320	226	
25.2	f	107	2538	729	1005	1005	1320	228	
25.4	f	108	2546	647	1010	1010	1322	225	
	f		ld 1829	630	240	—	1300	224	

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1928phae.proj.12636

α-Dk	Defe-Dk	Defe-Dk	Reduced	Reduced	Magn.	Lt. No.
1130	804	—	713	—		
1127	967	967	860	860		
1123	798	798	710	710		
1122	885	885	788	788		
1120	630	—	562	—		
1127	888	948	788	841		
1136	910	910	805	805		
1100	794	797	721	724		
1121	831	831	740	740		
1126	841	—	747	—		
1119	865	875	774	783		
1110	702	704	633	635		
1118	820	—	733	—		
1111	799	799	718	718		
1104	889	889	805	806		
1099	680	—	619	—		
1101	849	—	770	—		
1100	835	—	758	—		
1092	910	—	832	—		
1089	714	—	656	—		
1095	906	—	827	—		
1099	944	—	860	—		
1095	100	—	91	—		
1095	375	380	343	34		
1095	860	—	786	—		
1101	937	926	851	841		
1094	934	—	853	—		
1092	777	777	711	711		
1097	785	785	716	716		
1076	16	—	15	—		

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1928phae.proj.12632

MRD RH 682 Feb 20, 29

Strip	class	star	y	x	Diff	Diff	cl	Dh
		1	2108	399	350	—	1310	226
		2	—	—	415	—	1295	220
		3	—	—	487	—	1291	222
		4	—	—	580	—	1300	225
		5	—	—	667	—	1290	227
		6	—	—	880	—	1305	230
		7	—	—	962	—	1310	230
		8	—	—	1170	—	1300	225

plate finished

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1928phae.proj.12630

α − δk	Defn − Dδ	Defn − δk	Reduced	Reduced	Magn.	L. No.
1084	124	—	1. 114	—		
1075	195	—	2. 183	—		
1069	265	—	3. 248	—		
1075	355	—	4. 330	—		
1063	440	—	5. 413	—		
1075	650	—	6. 605	—		
1080	732	—	7. 678	—		
1075	945	—	8. 878	—		

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1928phae.proj.12631

F.M.C. April 1, 1929, RH 964

Strip	class	Star	Y	X	Dyff	Dyff	cl	Dk	Volt
		1S	2020	829	472	—	1658	411	5.20
		1	1963	1185	600	—	1650	415	
		2	—	—	620	—	1645	419	
		3	—	—	750	—	1680	430	
		4	—	—	840	—	1679	424	
		5	—	—	985	—	1731	428	
		6	—	—	1130	—	1720	425	
		7	—	—	1192	—	1700	426	
		8	—	—	1410	—	1725	428	
22.2	p		2228	340	1250	—	1760	430	
	p		2230	450	1000	1000	1792	432	
	p		2231	590	1340	—	1760	433	
	p		2233	681	1350	1350	1700	440	
	p		2228	730	1068	1060	1680	440	
22.4	p		2240	805	868	870	1653	438	
	p		2240	843	1300	—	1612	435	
	p		2238	1120	1330	1318	1610	440	
	p		2247	1228	1240	—	1692	440	
	p		2250	1241	1250	1251	1700	440	
	p		2255	1272	990	—	1734	440	
22.6	p		2270	620	1365	—	1780	440	
	p		2270	847	1010	—	1738	440	
		1S	2020	829	478	—	1790	419	
		1	1963	1185	560	—	1805	398	
		2	—	—	604	—	1775	381	
		3	—	—	740	—	1790	380	
		4	—	—	810	—	1810	390	
		5	—	—	990	—	1850	390	
		6	—	—	1151	—	1812	380	
		7	—	—	1229	—	1740	382	
		8	—	—	1540	—	1831	390	5.20

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1928phae.proj.1269c

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	D. No.
1247	10 61	—	49	—		
1235	1 185	—	150	—		
1226	2 201	—	164	—		
1260	3 330	—	262	—		
1255	4 416	—	332	—		
1308	5 562	—	430	—		
1295	6 705	—	544	—		
1274	7 766	—	602	—		
1297	8 982	—	757	—		
1330	820	—	616	—		
1360	568	568	417	417		
1327	907	—	683	—		
1260	910	910	722	722		
1240	628	620	507	500		
1215	430	432	354	356		
1177	865	—	735	—		
1170	890	878	761	750		
1252	800	—	638	—		
1260	810	811	643	644		
1294	550	—	425	—		
1340	926	—	691	—		
1298	570	—	440	—		
1371	59	—	43	—		
1407	162	—	115	—		
1394	223	—	160	—		
1310	360	—	275	—		
1420	420	—	296	—		
1460	600	—	412	—		
1432	771	—	538	—		
1358	847	—	624	—		
1441	1150	—	798	—		

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1928phae.proj.12636

Apr. 2, 1929 RH 964 F.M.C.

Strip	Class	Star	y	x	Defl	Defl	cl	Dk	Volt
		15	2020	870	489	—	1600	340	5.10
		1	1963	1230	640	—	1612	332	
		2	—	—	670	—	1615	335	
		3	—	—	790	—	1590	330	
		4	—	—	855	—	1580	330	
		5	—	—	955	—	1590	321	
		6	—	—	1100	—	1589	321	
		7	—	—	1160	—	1629	323	
		8	—	—	1380	—	1572	320	
22.8			2288	783	692	—	1520	320	
			2288	920	1120	—	1520	318	
			2280	1254	1265	1250	1480	320	
			2282	1310	1070	—	1475	320	
23.0			2302	831	970	970	1539	320	
			2300	934	930	—	1485	320	
			2302	948	1180	1180	1478	318	
23.2			2329	819	1340	—	1525	320	
			2320	926	1018	—	1495	322	
			2328	1023	1260	1260	1480	320	
			2335	1238	890	880	1370	330	
			2329	1260	1305	—	1460	320	
23.4			2339	601	1110	1090	1480	328	
			2340	677	1325	—	1520	330	
			2339	933	1240	—	1446	329	
			2350	1048	1140	1140	1520	330	
			2354	1232	570	570	1500	330	
			2340	1250	1150	1140	1490	330	
23.6			2370	518	1320	—	1630	331	
			2362	778	1330	—	1560	335	
			2371	978	1050	1050	1512	330	

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1928phae.proj.1263c

Q.-Dk	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1260	149	—	118	—		
1280	308	—	241	—		
1280	335	—	262	—		
1260	460	—	365	—		
1250	525	—	420	—		
1269	634	—	500	—		
1268	779	—	614	—		
1306	837	—	642	—		
1252	1060	—	847	—		
1200	372	—	310	—		
1202	802	—	667	—		
1160	945	930	816	803		
1155	750	—	650	—		
1219	650	650	533	533		
1165	610	610	524	524		
1160	862	862	744	744		
1205	1020	—	847	—		
1173	696	—	594	—		
1160	940	940	811	811		
1040	560	550	492	483		
1140	985	—	865	—		
1112	782	762	703	685		
1190	995	—	837	—		
1117	911	—	816	—		
1190	810	810	681	681		
1170	240	240	205	205		
1160	820	810	707	698		
1299	989	—		—		
1225	995	—		—		
1182	720	720	608	608		

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1928phae.proj.12630

J mc Apr. 2, 1929 R+ 964

Strip	class	star	y	x	Dfl	Dfl	cl	Dh	Volt
23.6	p		2360	1080	1340	—	1523	330	
	f		2373	1180	760	760	1490	332	
		15	2020	870	460	—	1458	330	
		1	1963	1230	600	—	1498	332	
		2	—	—	625	—	1491	335	
		3	—	—	730	—	1505	331	
		4	—	—	810	—	1470	330	
		5	—	—	941	—	1524	334	
		6	—	—	1080	—	1540	333	
		7	—	—	1090	—	1519	332	
		8	—	—	1310	—	1555	335	5.10
			H. J P - RH 964 - April 2, 1929						
		15	2020	869	464	—	1555	324	5.10
		1	1963	1230	633	/	1590	329	
		2	—	—	670	/	1550	329	
		3	—	—	781	/	1521	328	
		4	—	—	810	/	1555	327	
		5	/	—	970	/	1550	327	
		6	/	/	1150	/	1629	330	
		7	/	/	1162	/	1590	331	
		8	/	/	1367	/	1572	330	
23.8	p		2390	909	1292	—	1492	331	
	p		2390	1002	990	—	1490	328	
	f		2392	1053	770	750	1479	330	
	f		2392	1115	832	832	1489	333	
24.0	f		2410	652	650	650	1529	332	
	f		2400	662	710	711	1539	332	
	p		2402	1061	1245	—	1515	340	
24.2	p		2432	735	930	—	1521	340	
	p		2429	838	1170	/	1440	339	

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1928phae.proj.12096

Cl.-Dk.	Defl.-Dk	Defl.-Dk.	Reduced	Reduced Magn.	L. No.
1193	1010	—	847	—	
1158	328	328	284	284	
1123	130	—	116	—	
1166	228	—	196	—	
1156	290	—	251	—	
1174	399	—	229	—	
1140	480	—	421	—	
1191	607	—	511	—	
1207	747	—	620	—	
1187	758	—	639	—	
1220	975	—	798	—	
1231	140	—	114	—	
1261	304	—	241	—	
1221	341	—	279	—	
1193	453	—	379	—	
1228	483	—	393	—	
1223	643	—	524	—	
1249	820	—	631	—	
1259	831	—	661	—	
1242	1037	—	834	—	
1161	961	—	828	—	
1162	662	—	569	—	
1149	440	—	384	—	
1150	599	—	522	—	
1197	318	318	266	266	
1207	378	379			
1175	905	—		—	
1181	590	—		—	
1101	891	—		—	

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HJP-RH 964 - April 2, 1929

Strip	Class	Star	y	x	Diff	Diff.	cl.	dk	Volts
24.4	p		2444	789	1122	—	1529	340	
	f		2443	939	1202	1202	1483	343	
	p		2448	1091	1080	—	1460	340	
24.6	f		2451	603	1220	1218	1560	342	
24.8	f		2480	965	852	850	1482	343	
	p		2482	1015	722	—	1460	340	
25.0	f		2499	879	1040	1030	1493	341	
	p		2500	971	1090	—	1455	342	
	f		2500	1046	1160	1160	1390	342	
25.2	f		2529	950	1160	1160	1508	343	
	f	1s	2020	830	448	—	1361	340	
		1	1963	1229	590	—	1529	344	
		2	—	—	665	—	1490	345	
Plate		3	—	—	803	—	1512	347	
Finished		4	—	—	831	—	1472	343	
		5	—	—	932	—	1465	345	
		6	—	—	1080	—	1529	345	
		7	—	—	1120	—	1529	350	
		8	—	—	1350	—	1530	348	5.1

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1920phac.proj.1209c

α.-Dk.	Defl.-Dk	Defl-Dk.	Reduced	Reduced	Mag.	2. No.
1189	782	—	658	—		
1140	859	859	753	753		
1120	740	—	661	—		
1218	878	876	721	719		
1139	509	507	447	449		
1120	382	—	342	—		
1152	699	689	607	598		
1113	748	—	672	—		
1048	818	818	781	781		
1165	817	817	702	702		
1021	104	—	102	—		
1185	246	—	208	—		
1145	320	—	279	—		
1165	456	—	392	—		
1129	488	—	423	—		
1120	587	—	524	—		
1184	735	—	621	—		
1179	770	—	653	—		
1182	1002	—	848	—		

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1928phae.proj.12630

FMC RH 1005 April 3, 1929

Strip	class	star	y	x	Defl	Defl	cl	Db	Volt
		18	2025	787	640	—	1560	353	496
		1	1701	950	880	—	1670	361	
		2	—		1050	—	1670	370	
		3	—	—	1140	—	1650	380	
		4	—	—	1180	—	1700	387	
		5	—	—	1289	—	1672	388	
		6	—	—	1400	—	1650	387	
		7	—	—	1420	—	1680	390	
		8	—	—	1630	—	1730	400	
13.6	f		1355	679	1510	1510	1650	410	
13.8	f		1398	785	1555	—	1755	400	
	f		1383	820	1540	1540	1714	399	
	f		1380	831	1500	1500	1692	399	
	f		1380	863	1412	—	1765	400	
14.0	f		1418	412	1530	—	1720	400	
	f		1410	491	1510	—	1777	405	
	f		1406	720	1580	—	1710	415	
	f		1409	827	1360	1360	1751	413	
	f		1401	861	990	990	1708	408	
	f		1405	940	1355	—	1729	400	
		18	2026	787	695	—	1628	388	
		1	1701	950	940	—	1680	390	
		2	—	—	1068	—	1680	396	
		3	—	—	1150	—	1665	391	
		4	—	—	1180	—	1680	393	
		5	—	—	1270	—	1620	391	
		6	—	—	1390	—	1620	390	
		7	—	—	1420	—	1660	390	
		8	—	—	1560	—	1650	390	

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1926plate.proj.12030

O.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1207	287	—	238	—		
1309	519	—	397	—		
1300	680	—	623	—		
1270	760	—	598	—		
1313	793	—	603	—		
1284	901	—	702	—		
1263	1018	—	803	—		
1290	1030	—	798	—		
1330	1230	—	925	—		
1240	1100	1100	888	888		
1355	1155	—	852	—		
1315	1141	1141	868	868		
1293	1101	1101	852	852		
1365	1012	—	742	—		
1320	1130	—	857	—		
1372	1105	—	805	—		
1295	1065	—	823	—		
1338	847	847	633	633		
1300	582	582	447	447		
1329	955	—	719	—		
1240	207	—	167	—		
1290	550	—	427	—		
1284	672	—	523	—		
1274	759	—	595	—		
1287	787	—	612	—		
1229	879	—	715	—		
1230	1000	—	813	—		
1270	1030	—	811	—		
1260	1170	—	928	—		

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1928phae.proj.12630

JMC R# 1005 April 4. 1929

Strips	class	star	y	x	Dfl	Dfl	d	Dh	Vol
		15	2025	828	660	—	1770	402	5.10
		1	1701	991	900	—	1810	392	
		2	—	—	1000	—	1788	390	
		3	—	—	1095	—	1761	389	
		4	—	—	1151	—	1785	390	
		5	—	—	1251	—	1710	390	
		6	—	—	1411	—	1741	390	
		7	—	—	1440	—	1729	385	
		8	—	—	1580	—	1755	385	
14.4			1458	409	1520	1518	1805	381	
			1439	840	1230	1235	1794	380	
			1441	949	1460	1462	1801	390	
14.6			1475	360	1580	1580	1809	390	
			1470	459	750	—	1750	390	
			1469	545	1530	—	1785	389	
			1468	881	1560	—	1790	385	
			1474	1050	1200	1201	1700	381	
14.8			1491	653	1560	1550	1700	380	
			1488	842	1430	—	1700	372	
15.0			1501	450	1435	—	1725	379	
			1513	780	1561	—	1726	380	
			1510	840	1320	1323	1729	379	
			1510	1000	1370	1351	1730	375	
15.2			1520	361	1520	1570	1705	370	
			1529	562	1350	1352	1670	370	
			1524	836	1430	1435	1689	360	
			1533	841	882	882	1690	360	
			1530	861	1270	—	1680	361	
			1525	1019	1452	—	1690	370	
			1529	1055	1486	—	1687	371	

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Cl.-Dk	Defl.-Dk	Defl.-Dk	Reduced	Reduced	Nbgw.	D. No.
1368	258	—	187	—		
1418	508	—	359	—		
1398.	610	—	437	—		
1372	706	—	514	—		
1395	761	—	546	—		
1320	861	—	653	—		
1351	1021	—	755	—		
1344	1055	—	785	—		
1370	1195	—	872	—		
1424	1139	1137	799	797		
1414	850	855	602	605		
1411	1070	1072	758	760		
1419	1190	1190	839	839		
1360	360	—	265	—		
1398	1141	—	818	—		
1405	1176	—	836	—		
1319	819	820	621	622		
1320	1180	1170	894	886		
1328	1058	—	796	—		
1346	1056	—	783	—		
1346	1181	—	879	—		
1350	941	944	696	698		
1355	995	976	734	720		
1335	1150	1148	861	854		
1300	980	982	754	756		
1329	1070	1076	806	810		
1330	523	522	393	393		
1319	909	—	690	—		
1320	1082	—	820	—		
1316	1115	—	847	—		

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FMC RH 1005 April 4, 1929

MRD

Strip	Class	Star	y	x	Defl	Defl	cl	Dk	Voh
15.2	f		1530	1173	1490	—	1728	980	
15.4	f		1540	579	1392	—	1745	980	
	f		1550	772	1510	—	1670	980	
MRD	f		1555	985	1502	1502	1662	980	4.9
15.6	f		1572	274	1460	1460	1725	389	
	f		1557	412	1580	1580	1718	385	
	fp		1570	620	1530	—	1720	385	
15.8	f		1580	590	1420	1420	1720	386	
	fp		1595	674	1425	—	1715	382	
	fp		1590	750	1490	—	1725	383	
	fp		1580	1117	1520	—	1726	381	
	fp		1592	1190	1555	—	1730	383	
16.0	f		1600	540	1030	1030	1700	381	
	f		1601	799	1340	1340	1705	389	
	f		1600	889	1450	1450	1700	390	
	f		1600	1090	1245	1245	1690	388	
	fp		1601	1150	1390	—	1715	387	
	f		1600	1230	1525	1525	1725	390	
16.2	f		1632	350	1400	1400	1740	390	
	f		1630	513	1380	1380	1745	390	
	f		1618	1037	1535	1535	1720	388	
	f		1618	1240	1540	1540	1725	390	
		15	2025	828	620	—	1625	388	
		1	1701	991	860	—	1690	390	
		2			970	—	1701	390	
		3	—	—	1055	—	1660	390	
		4	—	—	1110	—	1680	387	
		5	—	—	1210	—	1670	380	
		6	—	—	1350	—	1630	380	
		7	—	—	1400	—	1665	383	
		8	—	—	1530	—	1650	380	

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d.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	D. No.
1348	1110	—	824	—		—
1365	1012	—	741	—		—
1290	1130	—	876	—		—
1282	1122	1122	875	875		
1336	1071	1071	802	802		
1333	1195	1195	897	897		
1335	1145	—	858	—		
1334	1034	1034	775	775		
1333	1043	—	782	—		
1342	1107	—	825	—		
1345	1139	—	847	—		
1347	1172	—	871	—		
1319	649	649	493	493		
1316	951	951	724	724		
1310	1060	1060	808	808		
1302	869	857	658	658		
1328	1003	—	757	—		
1335	1135	1135	850	850		
1350	1010	1010	748	748		
1355	990	990	730	730		
1332	1147	1147	860	860		
1335	1150	1160	861	861		
1237	10 232	—	188	—		
1300	1 470	—	362	—		
1311	2 580	—	443	—		
1270	3 665	—	524	—		
1293	4 723	—	560	—		
1290	5 830	—	644	—		
1250	6 970	—	777	—		
1282	7 1017	—	793	—		
1270	8 1150	—	906	—		

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1928phae.proj.1263C

N. J. P — R.A. 1005 — April 4, 1929

Strip	Class	Star	y	x	Dyfl	Dyfl	Cl.	Dk.	Volts
		11	2028	827	640	—	1640	421	5.20
		1	1705	992	878	—	1723	413	
		2	—	—	980	—	1715	411	
		3	—	—	1081	—	1669	410	
		4	—	—	1103	—	1662	415	
		5	—	—	1199	—	1650	430	
		6	—	—	1370	—	1678	419	
		7	—	—	1383	—	1680	424	
		8	—	—	1440	—	1560	420	
16.4	f		1649	412	1351	1350	1610	413	
	p		1648	1055	1408	—	1658	413	
16.6	f		1672	361	1230	1232	1630	420	
	p		1660	563	1285	—	1641	420	
	f		1670	1205	1400	1400	1670	421	
16.8	p		1680	415	1460	—	1650	419	
	f		1682	433	1380	1380	1615	420	
	p		1684	517	1196	—	1612	420	
	f		1680	672	1150	1150	1660	429	
	f		1692	1069	1390	1390	1664	421	
17.0	f		1712	430	1362	1340	1661	427	
17.2	p		1722	484	1390	—	1678	430	
	f		1720	543	1390	1380	1672	430	
	p		1728	586	1193	—	1660	421	
	f		1725	1041	1340	1342	1668	424	
17.4	f		1749	209	1360	1354	1670	426	
	f		1740	640	1418	1408	1699	430	
17.6	p		1755	469	1350	—	1724	439	
	f		1761	890	1220	1270	1730	432	
17.8	p		1788	316	1106	—	1729	432	
	f		1782	772	1164	1168	1638	438	

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1928phae.proj.12630

O.-Dk.	Diff.-Dk.	Diff.-Dk.	Reduced	Reduced	Magn.	No. Ks.
1219	219	—	180	—		
1310	465	—	355	—		
1304	569	—	437	—		
1259	671	—	534	—		
1247	688	—	552	—		
1220	769	—	631	—		
1259	951	—	756	—		
1256	959	—	764	—		
1140	1020	—	894	—		
1197	938	937	783	782		
1245	995	—	799	—		
1210	810	812	670	672		
1221	865	—	708	—		
1249	979	979	784	784		
1231	1041	—	845	—		
1195	960	960	803	803		
1192	776	—	652	—		
1231	721	721	586	586		
1243	969	969	780	780		
1234	935	913	757	740		
1248	960	—	770	—		
1242	930	950	750	766		
1239	772	—	624	—		
1244	916	918	736	738		
1244	934	928	751	746		
1269	988	978	780	772		
1285	911	—	710	—		
1298	788	788	608	608		
1297	664	—	510	—		
1200	726	731	605	609		

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1928phae.proj.1263

α Ori. – RH 1000 – April 4, 1929

Mag.	Class	Star	y	x	Dyf	Dyf.	Cy	Dx	Notes
	f		1789	967	411?	415?	1755	440	
	f		1784	1022	1320	1321	1651	440	
18.0	p		1810	667	1240	—	1628	440	
	p		1808	1279	1290	—	1752	441	
18.2	f		1816	640	1320	1320	1678	437	
	f		1829	833	1282	1282	1670	432	
	p		1829	1298	1414	—	1770	457	
18.8	p		1890	167	1410	—	1729	449	
19.0		11	2028	827	681	—	1630	437	
		1	1705	992	900	—	1732	432	
		2	—	—	1030	—	1727	436	
		3	—	—	1112	—	1706	431	
		4	—	—	1161	—	1739	438	
		5	—	—	1253	—	1670	442	
		6	—	—	1390	—	1699	440	
		7	—	—	1410	—	1706	420	
		8	—	—	1552	—	1680	430	485
Fmc. April 5, 1929		15	2025	855	690	—	1851	451	5.30
		1	1701	1020	920	—	1960	450	
		2	—	—	1071	—	1952	440	
		3	—	—	1178	—	1921	430	5.28
		4	—	—	1228	—	1951	430	
		5	—	—	1359	—	1875	420	
		6	—	—	1520	—	1905	420	
		7	—	—	1550	—	1920	420	
		8	—	—	1750	—	1907	421	
19.2	f		1925	823	1290	1290	1912	420	
	f		1930	859	1712	1712	1929	420	
	f		1932	876	1500	1500	1902	420	

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1928phae.proj.12696

O.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	D. No.
1315	?	?				
1241	880	881	727	728		
1188	800	—	674	—		
1311	749	—	572	—		
1241	883	883	712	712		
1238	850	850	687	687		
1313	957	—	729	—		
1280	961	—	752	—		
1193	244	—	204	—		
1300	468	—	461	—		
1291	594	—	460	—		
1275	681	—	534	—		
1301	723	—	556	—		
1228	811	—	661	—		
1259	950	—	756	—		
1246	980	—	769	—		
1250	1122	—	897	—		
1400	239	—	171	—		
1510	470	—	311	—		
1512	631	—	411	—		
1491	748	—	502	—		
1521	798	—	524	—		
1455	939	—	646	—		
1475	1098	—	738	—		
1500	1130	—	754	—		
1486	1329	—	895	—		
1492	870	870	583	583		
1509	1292	1292	858	858		
1482	1080	1080	729	729		

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1928phae.proj.12631

FMC RH 1005 April 5, 1929

Mag	Class	Star	y	x	Dyf.	Dyf.	cl.	Ak	Volts
19.4	p		1951	209	1370	—	1903	421	
			1940	1015	1650	1651	1950	430	
			1939	1075	1169	1164	1938	428	
			1941	1113	1590	—	1959	429	
19.6			1978	491	1440	1440	1925	430	
			1968	608	1540	1540	1910	435	
			1975	740	1664	1660	1901	430	
			1963	1279	1430	1425	1920	432	
20.0			2000	280	1710	—	1932	440	
			2001	390	1640	—	1920	433	
			2015	910	1560	1560	1932	435	
			1999	1015	1600	—	1939	435	
20.2			2020	450	1660	1658	1930	450	
			2029	637	1475	1471	1923	432	
			2021	840	1560	1561	1929	440	
20.4			2040	690	1239	1240	1890	439	
			2051	1000	1740	1740	1940	440	
			2043	1079	1741	—	1940	440	
			2050	1178	1655	—	1955	440	
20.6			2065	590	1431	—	1929	441	
			2061	666	1731	1727	1919	450	
			2060	1145	1790	1770	1950	442	
			2063	1358	1690	1685	1979	450	
20.8			2088	210	1660	1635	1920	450	
			2082	220	1680	1675	1935	451	
			2090	312	1382	—	1920	451	
			2095	346	1630	—	1939	450	
			2087	778	1430	1430	1930	457	
M.R.D			2089	860	1690	1690	1945	460	
21.0			2115	695	1530	1530	1958	480	

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1928phae.proj.12090

Obs.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	D. No.
1482	949	—	641	—		
1520	1220	1221	803	804		
1510	741	736	492	488		
1530	1161	—	760	—		
1495	1010	1010	676	676		
1465	1105	1105	755	755		
1471	1234	1230	839	836		
1488	998	993	672	668		
1492	1270	—	851	—		
1487	1207	—	813	—		
1497	1125	1125	752	752		
1504	1125	—	748	—		
1480	1210	1208	818	816		
1491	1043	1039	700	696		
1489	1120	1121	754	755		
1451	800	801	552	553		
1500	1300	1360	866	866		
1500	1301	—	867	—		
1515	1215	—	803	—		
1488	990	—	667	—		
1469	1281	1277	873	870		
1508	1248	1228	827	814		
1529	1240	1235	811	807		
1470	1210	1185	823	806		
1484	1229	1224	826	824		
1869	931	—	498	—		
1489	1180	—	794	—		
1473	973	973	661	661		
1485	1230	1230	828	828		
1478	1050	1050	710	710		

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1928phae.proj.12630

MRD April 5, '29, RH 1005

Strip	class	star	y	x	Defl	Defl	d	Dh	Volt
21.0	f		2115	1076	1730	1735	1985	470	
	f		2102	1214	1750	1750	1990	475	
	f		2098	1278	1740	—	2020	475	
	fp		2100	1330	1620	—	2010	472	
21.2	fp		2135	596	1687	—	1960	480	
	f		2129	824	1525	1525	1950	481	
	f		2120	850	1260	1270	1968	480	
	f		2137	923	1680	1680	1978	485	
	fp		2135	1100	1660	—	2000	482	
	fp		2139	1119	1470	—	2004	490	
	f		2120	1233	1350	1340	2030	490	
21.4	f		2144	437	1390	1398	1983	485	
	f		2157	572	1590	1590	1960	478	
	f		2150	700	1740	1740	1930	475	
	fp		2160	1069	1520		1980	480	
	f		2155	1071	1620	1620	1990	480	
	fp		2138	1230	1570	—	2020	485	
21.6	f		2160	673	1620	1617	1950	480	
	fp		2160	1132	1555	—	1990	475	
	f		2164	1300	1680	1680	2020	478	
	f	18	2025	855	710	—	1920	475	
		1	1701	1020	950	—	2000	480	
		2	—	—	1100	—	1998	480	
		3	—	—	1207	—	1980	480	
		4	—	—	1260	—	2025	490	
		5	—	—	1390	—	1930	470	
		6	—	—	1560	—	1960	475	
		7	—	—	1590	—	1950	473	
		8	—	—	1790	—	1975	470	

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1926phae.proj.12096

R.-Dk.	Defl.-Dk.	Defl.-Dk	Reduced	Reduced	Magn	L. No.
15 15	1260	1265	832	835		
15 15	1275	1275	842	842		
15 45	1265	—	818	—		
15 38	1148	—	746	—		
1480	1207	—	815	—		
1469	1044	1044	712	712		
1488	780	790	524	532		
1493	1195	1195	801	801		
15 18	1178	—	776	—		
15 14	980	—	647	—		
1540	860	850	558	552		
1498	905	913	605	610		
1482	1112	1112	751	751		
1455	1265	1265	869	869		
1500	1040	—	694	—		
1510	1140	1140	756	756		
1535	1085	—	707	—		
1470	1140	1137	775	773		
15 15	1080	—	713	—		
15 42	1202	1202	780	780		
1445	235	—	163	—		
1520	470	—	309	—		
15 18	620	—	409	—		
1500	727	—	485	—		
1535	770	—	502	—		
1460	920	—	630	—		
1485	1086	—	730	—		
1477	1117	—	754	—		
1505	1320	—	874	—		
		—		—		

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1928phae.proj.12630

2JP — April 5, 1929 — RH 10 00

Strip	Class	Star	y	x	Dyf	Dyf	a	Dk	Volts
		1s	2028	854	698	—	1778	385	520
		1	1705	1021	982	—	1918	391	
		2	—	—	1150	—	1924	410	
		3	—	—	1232	—	1895	403	
		4	—	—	1302	—	1928	397	
		5	—	—	1391	—	1840	388	
		6	—	—	1550	—	1888	400	
		7	—	—	1589	—	1926	412	
		8	—	—	1776	—	1914	420	
21.8	f		2180	548	1710	1710	1902	420	
	p		2190	971	1550	—	1917	412	
	p		2184	1313	1263	—	1970	421	
22.0	f		2210	394	1540	1540	1912	438	
	f		2204	452	1712	1710	1919	442	
	f		2210	879	1691	1690	1918	440	
	f		2200	1289	1721	1720	1997	455	
22.2	f		2222	342	1481	1482	1950	450	
	f		2230	468	1688	1688	1942	450	
	f		2230	900	1742	1740	1960	450	
	f		2228	1051	1742	1742	1931	431	
	p		2230	1301	1650	—	1975	430	
22.4	f		2252	579	1589	1570	1934	450	
	f		2250	590	1430	1422	1922	447	
	f		2252	632	1572	1572	1929	452	
	f		2240	795	1512	1530	1951	467	
	f		2248	874	1580	1560	1957	462	
	p		2257	1022	1180	—	1979	460	
22.6	f		2262	510	1580	1579	1950	462	
	p		2273	600	1401	—	1960	470	
	p		2269	632	1460	—	1948	470	

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1926phac.proj.12696

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1393	313	—	225	—		
1527	591	—	388	—		
1514	740	—	488	—		
1492	829	—	556	—		
1531	905	—	591	—		
1452	1003	—	691	—		
1488	1150	—	773	—		
1514	1177	—	777	—		
1494	1356	—	908	—		
1482	1290	1290	870	870		
1505	1138	—	755	—		
1549	842	—	544	—		
1474	1102	1102	747	747		
1477	1270	1268	858	856		
1478	1251	1250	847	846		
1542	1266	1265	819	818		
1500	1031	1032	687	688		
1492	1238	1238	829	829		
1510	1292	1290	855	853		
1500	1311	1311	874	874		
1545	1220	—	789	—		
1484	1139	1120	767	754		
1475	983	975	666	661		
1477	1120	1120	758	758		
1484	1045	1063	703	716		
1495	1118	1098	747	733		
1519	720	—	474	—		
1488	1118	1117	751	750		
1491	931	—	625	—		
1478	990	—	671	—		

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1928phae.proj.12630

DJP - RH 1005 — Apr. 5, 1929

Step	Class	Star	γ	δ	Dyl.	Dyl.	Cl	Dk	Galts
	p		2260	779	1321	—	1962	457	
22.8	p		2290	549	1680	—	1948	470	
	l		2286	592	1678	1680	1960	465	
23.0	l		2301	870	1278	1261	1962	453	
	l		2304	905	1610	1600	1940	460	
23.2	l		2323	783	1580	1579	1950	450	
	l		2331	795	1584	1584	1962	460	
	l		2330	878	1424	1424	1960	449	
23.4	p		2348	700	1467	—	1935	450	
	p		2344	889	1694	—	1980	460	
	p		2341	937	1686	—	1962	460	
	p		2343	1150	1641	—	1983	452	
23.6	l		2372	848	1640	1620	1948	441	
23.8	l		2395	440	1718	1728	1948	440	
	p		2380	630	1649	—	1930	441	
	l		2392	878	525	522	1654	444	
	p		2380	1110	1430	—	1988	441	
	l		2396	1147	1640	1632	1988	450	
24.0	p		2418	512	1467	—	1940	451	
	l		2404	1094	1712	1728	1940	450	
		1A	2028	855	750	—	1860	450	
		1	1705	1021	1017	—	2000	443	
		2	—	—	1170	—	1990	441	
		3	—	—	1272	—	1968	441	
		4	—	—	1332	—	1996	435	
		5	—	—	1450	—	1911	438	
		6	—	—	1604	—	1940	440	
		7	—	—	1630	—	1970	440	
		8	—	—	1816	—	1950	440	520

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1926phac.proj.12036

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	D. No.
1505	864	—	574	—		
1478	1210	—	819	—		
1495	1213	1215	810	812		
1509	825	808	547	537		
1480	1150	1140	778	770		
1500	1130	1129	753	752		
1502	1124	1124	748	748		
1511	975	975	644	647		
1485	1017	—	681	—		
1520	1234	—	805	—		
1502	1226	—	818	—		
1531	1189	—	778	—		
1507	1199	1179	794	780		
1508	1278	1288	845	853		
1489	1208	—	809	—		
1210	81	78	67	64		
1547	989	—	637	—		
1538	1190	1182	776	769		
1489	1016	—	685	—		
1540	1262	1298	819	829		
1410	300	—	243	—		
1559	574	—	370	—		
1549	729	—	491	—		
1527	831	—	543	—		
1561	897	—	573	—		
1473	1012	—	695	—		
1500	1164	—	747			
1530	1190	—	776			
1510	1376	—	910			

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1928phae.proj.12630

160 FMC RH 1005 April 6, 1929

Strip	Class	Star	y	x	Diff	Diff	cl	Db	Vol	
		1S	2023	942	623	—	1789	378	5.18	
		1	1701	1110	880	—	1869	379		
		2	—	—	1020	—	1869	380		
		3	—	—	1120	—	1839	380		
		4	—	—	1190	—	1872	380		
		5	—	—	1319	—	1800	380		
		6	—	—	1480	—	1825	380		
		7	—	—	1492	—	1835	381		
		8	—	—	1690	—	1824	382		
24.2	f		2429	590	1560	1555	1825	384		
	f		2425	898	1180	—	1836	387		
	f		2423	952	1375	1365	1814	387		
24.4	f		2452	885	1380	1370	1830	389		
24.6	f		2460	595	1552	1540	1840	388		
	f		2462	719	1650	—	1830	390		
	f		2461	770	1512	1520	1825	390		
	f		2477	1114	1495	1491	1850	390		
25.0	f		2500	750	860	—	1830	390		
	f		2499	900	1562	1564	1830	391		
25.2	f		2520	650	1481	—	1844	394		
	f		2520	1022	1632	—	1859	397		
	f		2535	1080	1360	—	1860	395		
25.4	f		2549	732	1095	—	1860	401		
	f		2544	828	1459	—	1821	400		
25.6	f		2557	795	1305	1250	1851	405		
	f		2565	853	1665	—	1848	409		
	f		2570	872	1000	955	1840	400		
		1S	2025	942	655	—	1780	391		
		1	1701	1110	901	—	1875	390		
		2	—	—	1059	—	1868	390		

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1929phao.proj.12930

d.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	D. No.
1411	245	—	174	—		
1490	501	—	336	—		
1489	640	—	429	—		
1459	740	—	508	—		
1492	810	—	543	—		
1420	939	—	659	—		
1445	1100	—	760	—		
1454	1111	—	765	—		
1442	1308	—	906	—		
1441	1176	1161	817	806		
1449	793	—	548	—		
1427	988	978	692	684		
1441	991	981	687	679		
1452	1164	1152	803	793		
1440	1260	—	874	—		
1435	1122	1130	790	782		
1460	1105	1101	760	756		
1440	470	—	327	—		
1439	1171	1173	816	817		
1450	1087	—	740	—		
1462	1235	—	842	—		
1465	965	—	658	—		
1459	694	—	480	—		
1421	1059		742			
1446	900	845	624	583		
1439	1256	—	872	—		
1440	600	555	417	386		
1389	264	—	192	—		
1485	511	—	374	—		
1478	669	—	486	—		

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1928phae.proj.1263C

FMC RH 1005 April 6, 1929

Strip	Class	Star	y	x	Defl	Defl	cl	Rh	Volt
		3	—	—	1158	—	1849	391	
		4	—	—	1216	—	1880	399	
		5	—	—	1360	—	1808	391	
		6	—	—	1480	—	1808	392	
		7	—	—	1500	—	1830	393	
		8	—	—	1690	—	1820	395	

– Plate finished –

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1928phae.proj.12636

th-Dk.	Deff.-Dk.	Deff.-Dk.	Reduced	Reduced	Magn.	L. No.
1458	767	—	525	—		
1481	817	—	560	—		
1417	969	—	684	—		
1416	1088	—	770	—		
1437	1107	—	773	—		
1425	1295	—	905	—		

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1928phae.proj.12630

XP RH 644 – April 18, 1929

Strip	Class	Star	y	x	Diff	Diff	Cl.	Dk	Dk
		10	1882	959	340	—	1768	333	520
		1	1710	640	422	—	1552	332	
		2	—	—	440	—	1570	332	
		3	—	—	504	—	1592	331	
		4	—	—	600	—	1579	339	
		5	—	—	690	—	1600	339	
		6	—	—	900	—	1609	340	
		7	—	—	971	—	1608	342	
		8	—	—	1222	—	1627	342	
13.6	p		1368	905	1201	—	1615	350	
14.0	p		1409	770	990	—	1588	348	
	f		1400	900	431	430	1605	380	
	p		1411	1042	1083	—	1658	390	
14.2	p		1423	750	876	—	1647	391	
	f		1424	781	1170	1170	1650	403	
	f		1420	1053	1135	1135	1687	420	
	p		1430	1128	671	—	1740	423	
14.4	p		1445	1170	1148	—	1700	411	
14.6	p		1460	780	1110	—	1622	410	
	f		1462	820	603	603	1669	404	
	f		1460	1124	570	570	1681	395	
14.8	p		1490	833	1065	1090	1685	412	
15.0	f		1504	785	830	830	1660	420	
	f		1500	820	1030	1030	1690	420	
	p		1511	1079	951	—	1722	429	
	f		1500	1275	820	825	1730	433	
15.2	f		1530	839	940	940	1690	420	
	f		1530	890	896	896	1700	432	
15.4	p		1549	542	1202	—	1678	424	
	f		1540	839	741	741	1675	420	

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1928phae..proj..1269C

Cl-Dk	Defl.-Dk.	Defl.-Dk	Reduced	Reduced	Magn	L. Ko
1135	7	—	6	—		
1220	90	—	74	—		
1238	108	—	87	—		
1261	173	—	137	—		
1240	261	—	210	—		
1261	351	—	279	—		
1269	560	—	442	—		
1256	629	—	501	—		
1285	880	—	683	—		
1265	851	—	672	—		
1240	642	—	519	—		
1226	51	50	42	41		
1268	693	—	546	—		
1256	485	—	387	—		
1247	767	767	613	613		
1267	715	715	564	564		
1317	248	—	187	—		
1289	737	—	572	—		
1242	700	—	577	—		
1265	199	199	869	869		
1286	175	175	136	136		
1273	653	678	512	532		
1240	410	410	331	331		
1270	610	610	481	481		
1293	522	—	404	—		
1297	387	392	298	302		
1270	520	520	410	410		
1268	464	464	367	367		
1254	778	—	621	—		
1255	321	321	249	249		

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1928phae.proj.12630

Dg P. R H 644 — April 18, 1929

Strip	Class	Star	Y	X	Diff	Diff	Cl	Dk	Wt
	f		1540	1025	984	984	1702	435	
15.6	p		1560	990	1154	—	1710	432	
	f		1562	1218	1042	1044	1720	432	
15.8	f		1589	1321	485	485	1705	428	
16.0	f		1600	765	918	922	1691	432	
	f		1600	1061	1002	1007	1740	441	
	p		1610	1100	994	—	1749	439	
	p		1600	1281	1111	—	1772	435	
16.2	f		1620	574	634	636	1689	432	
	p		1620	880	1081	—	1692	431	
	p		1621	1078	910	—	1701	422	
	f		1620	1314	910	910	1740	431	
16.4	f		1640	591	952	982	1645	421	
	p		1640	1319	891	—	1670	430	
16.6	p		1672	1100	845	—	1710	420	
16.8	f		1689	820	1020	—	1696	430	
17.0	f		1705	1427	785	785	1769	431	
17.2	f		1720	935	1109	—	1730	430	
	p		1725	1190	571	—	1735	432	
17.4	f		1751	618	982	1005	1691	421	
	f		1740	658	795	805	1660	410	
		18	1882	959	440	—	1616	430	
		1	1710	640	530	—	1656	421	
		2	—	—	530	—	1681	416	
		3	—	—	610	—	1695	420	
		4	—	—	720	—	1678	422	
		5	—	—	790	—	1692	421	
		6	—	—	1000	—	1700	423	
		7	—	—	1078	—	1704	419	
		8	—	—	1490	—	1721	430	580

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1928phae..proj..1269C

Co.-Dk	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1267	549	549	433	433		
1278	722	—	566	—		
1288	610	612	474	476		
1271	157	57	45	45		
1269	486	490	386	389		
1299	561	566	433	437		
1310	555	—	424	—		
1337	676	—	506	—		
1257	202	204	161	163		
1261	650	—	515	—		
1279	488	—	383	—		
1309	479	479	366	366		
1224	531	561	433	457		
1240	461	—	372	—		
1290	425	—	329	—		
1266	590	—	466	—		
1338	364	354	265	265		
1300	679	—	622	—		
1303	139	—	106	—		
1270	561	584	442	459		
1250	385	395	308	316		
1186	10	—	8	—		
1235	109	—	88	—		
1265	114	—	90	—		
1275	180	—	141	—		
1256	298	—	245	—		
1271	369	—	290	—		
1277	577	—	452	—		
1285	659	—	513	—		
1291	1060	—	821	—		

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1928phae.proj.1263

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FMC April 20, 1929 RH 644

Strip	class	Star	y	x	Defl	Defl	cl	Dk	Volt
		1S	1882	1000	970	—	1518	359	5.10
		1	1710	680	430	—	1529	355	
		2	—	—	445	—	1548	350	
		3	—	—	538	—	1555	350	
		4	—	—	629	—	1529	350	
		5	—	—	682	—	1570	350	
		6	—	—	883	—	1570	350	
		7	—	—	950	—	1559	351	
		8	—	—	1390	—	1580	341	
17.6	f		1761	512	1332	1356	1560	350	
	f/2		1778	535	1220	1240	1580	350	
	f/4		1770	1166	895	—	1620	358	
	f/8		1770	1188	1095	1105	1615	350	
	f/16		1759	1398	1352	—	1613	352	
	f/32		1761	1420	1140	1170	1640	366	
		1S	1882	1000	398	—	1548	374	
		1	1710	680	450	—	1573	368	
		2	—	—	459	—	1570	370	
		3	—	—	590	—	1598	360	
		4	—	—	602	—	1535	369	
		5	—	—	705	—	1582	371	
		6	—	—	921	—	1610	370	
		7	—	—	1010	—	1615	370	
		8	—	—	1410	—	1600	369	
		1S	1882	1000	359	/	1332	350	5.20
		1	1710	680	482	/	1480	350	
		2	—	—	450	/	1491	352	
		3	—	—	510	/	1490	357	
		4	—	—	581	/	1454	360	
		5	—	—	650	/	1472	360	

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1928phae.proj.12636

Cl.-Dk.	Defl-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1159	11	—	10	—		
1174	75	—	64	—		
1198	95	—	79	—		
1205	188	—	156	—		
1179	279	—	234	—		
1220	332	—	272	—		
1221	533	—	437	—		
1208	599	—	496	—		
1239	949	—	766	—		
1210	982	1016	811	831		
1230	870	890	706	723		
1262	537	—	426	—		
1265	745	755	588	596		
1261	1000	—	792	—		
1274	774	804	607	631		
1174	24	—	20	—		
1205	82	—	68	—		
1200	89	—	74	—		
1238	230	—	186	—		
1166	233	—	200	—		
1211	334	—	276	—		
1240	551	—	445	—		
1245	640	—	514	—		
1231	1041	—	846	—		
982	9	—	9	—		
1130	82	—	73	—		
1139	98	—	86	—		
1133	153	—	135	—		
1094	221	—	185	—		
1112	290	—	261	—		

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1928phae.proj.12631

DP - R 7644 - April 20, 1929

Hour	Class	Star	γ	h	Dfl	Dfl	Cl	Dk	Wts	C
		6	—	—	861	—	1544	362		
		7	—	—	930	—	1552	362		
		8	—	—	1410	—	1570	363		
17.8	p		1786	358	1070	—	1504	371		
	l		1788	412	1085	1085	1501	370		
	l		1781	468	908	908	1520	375		
	l		1780	535	1206	1210	1528	380		
	l		1782	1380	1160	1165	1591	375		
	p		1790	1507	1231	—	1590	392		
18.0	l		1800	489	962	963	1542	398		
	l		1800	1015	955	955	1609	391		
	l		1800	1318	738	738	1640	395		
	p		1814	1318	1160	—	1630	400		
	l		1800	1392	1281	1281	1658	401		
18.2	p		1831	505	930	—	1581	401		
	p		1820	781	1315	—	1611	408		
	l		1814	1122	983	990	1620	410		
	l		1815	1370	1320	1320	1660	412		
	p		1821	1498	1257	—	1665	415		
18.4	p		1850	460	1172	—	1590	411		
	p		1847	860	1118	—	1604	420		
	l		1840	1075	1210	1210	1620	420		
	l		1840	1210	1059	1059	1660	420		
	l		1847	1488	1250	1252	1660	421		
18.6	p		1865	370	1212	—	1570	428		
	l		1872	620	892	895	1602	421		
	l		1871	760	1140	1140	1586	421		
	l		1866	855	1030	1030	1588	420		
	p		1860	1319	1130	—	1601	422		
18.8	l		1880	591	1169	1189	1560	430		

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1928phae.proj.12636

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	D. No.
1082	499	—	422	—		
1190	568	—	478	—		
1207	1047	—	868	—		
1133	699	—	617	—		
1131	715	715	632	632		
1145	533	533	466	466		
1148	826	830	720	724		
1216	785	790	647	651		
1198	839	—	702	—		
1144	564	565	493	494		
1218	564	564	463	463		
1245	343	343	276	276		
1230	760	—	619	—		
1257	880	880	700	700		
1180	529	—	448	—		
1203	907	—	763	—		
1210	573	580	473	479		
1248	908	908	727	727		
1250	842	—	674	—		
1179	761	—	645	—		
1184	698	—	589	—		
1200	790	790	658	658		
1240	639	639	515	515		
1239	829	831	669	671		
1142	784	—	685	—		
1181	471	474	398	401		
1165	719	719	617	617		
1168	610	610	523	523		
1179	708	—	602	—		
1135	739	759	651	668		

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RgP - RH 644 - April 20, 1929

Strip	Class	Star	y	x	Dyff	Dyff.	Cc	Dc	Volts
	P		1890	1207	1170	—	1603	429	
19.0			1912	631	1122	1142	1574	430	
			1910	810	745	745	1575	422	
			1905	991	590	592	1549	421	
			1900	1170	697	699	1582	420	
19.2	P		1920	521	1229	—	1568	425	
			1930	550	1077	1090	1560	423	
	P		1920	680	1211	—	1541	422	
			1921	1079	1153	1165	1570	428	
			1920	1142	858	858	1363	420	
			1931	1187	1221	1222	1555	424	
19.4			1900	349	1079	1079	1526	422	
	P		1949	566	1194	—	1540	422	
			1942	1138	955	960	1575	428	
			1941	1167	661	669	1550	424	
	P		1949	1400	760	—	1588	428	
19.6			1971	541	1210	1210	1530	430	
			1959	645	1120	1120	1540	427	
			1960	671	450	448	1460	422	
			1958	965	912	920	1552	430	
			1970	1108	779	779	1589	430	
			1963	1336	1060	1080	1601	430	
		1s	1882	1000	440	/	1432	428	
		1	1770	680	489	/	1578	429	
		2	—	—	512	/	1559	424	
		3	—	—	612	/	1561	427	
		4	—	—	632	/	1570	430	
		5	—	—	432	/	1611	429	
		6	—	—	912	/	1580	430	
		7	—	—	975	/	1569	427	
		8	—	—	1460	/	1606	424	505

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Obs.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	Lib. No.
1174	741	—	631	—		
1144	693	712	604	621		
1163	323	323	280	280		
1128	169	171	150	152		
1162	277	279	238	240		
1143	804	—	702	—		
1137	649	667	570	585		
1119	789	—	705	—		
1142	725	737	635	646		
943	433	438	460	466		
1131	797	798	704	705		
1104	657	657	595	595		
1118	772	—	691	—		
1147	527	532	460	464		
1126	237	245	210	217		
1160	332	—	281	—		
1100	780	780	709	709		
1113	693	693	623	623		
1038	28	26	27	25		
1122	482	490	429	437		
1159	349	349	301	301		
1171	630	650	537	555		
1004	12	—	12	—		
1149	60	—	57	—		
1135	88	—	78	—		
1134	185	—	166	—		
1140	202	—	177	—		
1182	303	—	256	—		
1156	482	—	420	—		
1142	548	—	480	—		
1182	1036	—	877	—		

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ymc april 22, 1929 RH 644

strip	class	star	y	x	Defl	Defl	dc	Dk	Volts
		15	1882	974	333	—	1540	319	5.22
		1	1709	653	380	—	1523	300	
		2	—	—	415	—	1540	300	
		3	—	—	481	—	1550	300	
		4	—	—	540	—	1520	300	
		5	—	—	600	—	1490	295	
		6	—	—	855	—	1560	291	
		7	—	—	923	—	1551	290	
		8	—	—	1350	—	1530	294	
19.8	f		1980	667	890	920	1520	291	
	f		1980	969	1101	1110	1548	291	
	f		1997	965	1090	1115	1557	290	
	f		1995	1068	936	940	1560	289	
	f		1990	1510	1172	—	1578	290	
20.0	f		2007	520	1112	1119	1528	290	
	f		1999	668	1180	1200	1539	290	
	f		2018	751	570	568	1470	290	5.10
	f		2010	1329	1190	1220	1502	290	
	f		2018	1490	940	—	1506	290	
20.2	f		2020	540	1000	—	1450	290	
	f		2019	731	930	930	1480	290	
	f		2029	738	1190	1190	1500	290	
	f		2036	751	701	—	1463	290	
	f		2021	900	830	—	1490	290	
	f		2019	1062	950	957	1480	290	
	f		2020	1390	1170	1180	1500	290	
20.4	f		2040	436	1190	1192	1460	291	
	f		2039	630	1275	—	1472	297	
	f		2053	815	1200	1200	1490	293	
	f		2040	830	1132	1130	1490	295	

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Cl.-Dk.	Defl.-Dk	Defl.-Dk.	Reduced	Reduced	Magn.	D. Ns.
1221	14	—	11			
1223	80	—	65	—		
1240	85	—	69	—		
1250	181	—	145	—		
1220	240	—	197	—		
1195	305	—	255	—		
1269	564	—	445	—		
1261	633	—	512	—		
1236	1056	—	855	—		
1229	599	629	487	512		
1257	810	819	645	652		
1267	800	825	632	651		
1271	647	651	509	512		
1288	882	—	686	—		
1238	822	829	664	669		
1249	890	910	713	728		
1180	280	278	237	235		
1212	900	930	742	767		
1216	650	—	535	—		
1160	710	—	612	—		
1190	640	640	538	538		
1210	900	900	744	744		
1173	411	—	350	—		
1200	540	—	451	—		
1190	660	667	554	561		
1210	880	890	727	736		
1169	899	901	770	772		
1175	978	—	832	—		
1197	907	907	758	758		
1195	837	835	701	699		

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FMC RH 644 April 22, 1929

Strip	class	star	y	x	Dyp	Dyp	cl	Dk	Volts
20.4	f		2050	1033	1215	1215	1530	320	
	fp		2050	1390	760	—	1532	325	
	f		2058	1445	540	541	1550	322	
20.6	f		2062	477	1090	1129	1504	328	
	f		2069	499	725	730	1510	323	
	f		2076	516	1218	—	1520	329	
	f		2060	672	1290	1290	1540	330	
	f		2074	838	798	800	1530	330	
	f		2064	1228	1310	1320	1557	332	
20.8	f		2090	510	1270	1275	1525	339	
	fp		2095	590	1198	—	1520	339	
	f		2096	687	1160	1170	1528	340	
	f		2091	720	1092	—	1526	340	
	f		2092	784	1050	1050	1560	340	
	f		2097	932	1240	1241	1557	340	
	f		2086	959	626	630	1540	340	
	f		2088	1062	1255	1260	1510	341	
	fp		2085	1190	1093	—	1580	341	
	fp		2090	1442	480	—	1550	340	
21.0	fp		2118	482	1100	—	1510	342	
	f		2102	620	1140	1142	1542	340	
	fp		2111	669	780	—	1515	340	
	f		2109	769	675	675	1538	340	
	f		2110	937	824	830	1560	339	
	f		2108	954	550	560	1553	340	
	fp		2111	1210	740	—	1562	340	
	fp		2110	1481	652	—	1597	340	
		13	1882	974	359	—	1490	340	
		1	1709	653	410	—	1510	340	
		2			430		1520	340	

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1928phae.proj.1263c

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1210	895	895	740	740		
1209	335	—	277	—		
1228	218	219	178	179		
1176	762	801	649	683		
1187	402	407	340	344		
1191	889	—	746	—		
1210	960	960	794	794		
1200	468	470	391	393		
1225	978	988	797	806		
1186	931	936	785	789		
1181	859	—	726	—		
1188	820	830	690	698		
1186	752	—	634	—		
1220	710	710	682	682		
1217	900	901	739	740		
1200	286	290	238	242		
1169	914	919	782	786		
1239	752	—	607	—		
1210	140	—	115	—		
1168	758	—	648	—		
1202	800	802	664	666		
1175	440	—	374	—		
1198	335	335	279	279		
1221	485	491	397	402		
1213	210	220	173	181		
1222	400	—	328	—		
1257	312	—	248	—		
1150	19	—	16	—		
1170	70	—	60	—		
1180	90	—	76	—		

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1928phae.proj.12630

178 FMC April 22, 1929 RH644

Strip	class	star	y	x	Diff	Diff	α	Dec	Volts
		3	—	—	504	—	1530	340	
		4	—	—	580	—	1521	340	
		5	—	—	670	—	1540	340	
		6	—	—	870	—	1560	340	
		7	—	—	960	—	1550	340	
		8	—	—	1395	—	1549	340	5.08
	NP		RH644	- April 22, 1929					
		10	1882	973	360	—	1500	350	520
		1	1709	657	428	—	1580	351	
		2	—	—	449	—	1615	352	
		3	—	—	522	—	1620	356	
		4	—	—	620	—	1620	362	
		5	—	—	720	—	1650	360	
		6	—	—	930	—	1630	361	
		7	—	—	1000	—	1647	361	
		8	—	—	1470	—	1662	368	
21.2	p		2120	782	1179	—	1639	370	
	p		2193	600	1078	—	1658	369	
	f		2120	833	953	970	1670	371	
	p		2110	1321	1100	—	1680	373	
	p		2126	1408	1280	—	1705	376	
21.4	p		2100	410	1282	—	1651	370	
	p		2150	1010	769	—	1690	367	
	p		2148	1079	1112	—	1680	368	
	p		2148	1218	740	—	1703	365	
21.6	p		2160	353	1261	—	1645	368	
	f		2162	465	1371	1398	1649	370	
	f		2162	1230	1340	1375	1669	371	
	f		2170	1264	1320	1320	1680	369	
21.8	p		2180	628	877	—	1651	370	

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1926phae.proj.1269c

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1190	164		138	—		
1181	240	—	203	—		
1200	330	—	275	—		
1220	530	—	434	—		
1210	620	—	513	—		
1209	1055	—	873	—		
1150	10	—	9	—		
1223	71	—	58	—		
1263	97	—	77	—		
1264	166	—	131	—		
1258	258	—	205	—		
1290	360	—	279	—		
1269	569	—	449	—		
1286	639	—	497	—		
1294	1102	—	851	—		
1269	809	—	638	—		
1289	709	—	551	—		
1299	582	599	449	462		
1307	727	—	557	—		
1329	904	—	682	—		
1281	912	—	712	—		
1323	402	—	304	—		
1312	744	—	568	—		
1338	375	—	381	—		
1287	893	—	694	—		
1279	1001	1028	784	804		
1298	969	1004	756	774		
1311	951	951	726	926		
1281	507	—	396	—		

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1928phae.proj.12630

HgP - RH644 - April 22, 1929

Strip	Class	Star	y	x	dyf	dyf.	cc	dc	Plate
	f		2183	881	541	540	1682	370	
	f		2194	1261	1210	1210	1668	370	
	f		2189	1290	1270	1280	1700	374	
	f		2195	1308	1198	1230	1680	370	
	p		2190	1761	1109	—	1700	373	
22.0	f		2213	577	1161	1180	1671	382	
	p		2211	663	1104	—	1671	378	
	f		2200	971	845	875	1670	380	
	f		2211	1160	1061	1060	1705	380	
	p		2200	1230	1061	—	1661	379	
22.2	p		2233	410	529	—	1640	380	
	p		2231	698	1052	—	1668	380	
	p		2228	470	1352	—	1669	385	
	f		2230	840	810	810	1680	382	
	f		2239	1060	1120	1120	1710	385	
	f		2221	1270	1164	1070	1709	388	
22.4	p		2242	441	1240	—	1661	390	
	p		2249	1076	1358	—	1695	389	
	f		2240	1119	520	529	1670	380	
	p		2240	1356	895	—	1692	385	
		1d	1882	973	392	—	1731	389	
		1c	1709	657	481	—	1610	388	
		2	—	—	490	—	1632	387	
		3	—	—	558	—	1641	385	
		4	—	—	660	—	1616	384	
		5	—	—	741	—	1644	388	
		6	—	—	900	—	1625	380	
		7	—	—	1029	—	1644	381	
		8	—	—	1480	—	1669	380	520.

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1926phae.proj.12656

O.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	D. No.
1312	171.	170	130	129		
1298	840	840	647	647		
1326	896	906	676	683		
1310	828	860	632	657		
1327	736	—	555	—		
1289	779	798	605	620		
1293	726	—	562	—		
1290	465	495	357	384		
1325	681	680	514	513		
1282	682	—	533	—		
1260	149	—	118	—		
1288	672	—	522	—		
1284	967	—	763	—		
1298	428	428	331	331		
1325	745	745	563	563		
1311	676	682	516	520		
1271	850	—	668	—		
1306	969	—	742	—		
1287	147	146	814	813		
1307	510	—	391	—		
1142	03	—	3	—		
1222	93	—	76	—		
1245	103	—	83	—		
1256	173	—	138	—		
1232	276	—	224	—		
1256	353	—	281	—		
1255	570	—	454	—		
1263	648	—	513	—		
1289	1100	—	854	—		

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FMC April 23, 1929 RH 644

Trip	class	star	y	x	Defl	Defl	cl	Dk	Volt
		15	1882	947	910	—	1490	300	5.18
		1	1709	628	410	—	1501	296	
		2	—	—	424	—	1518	292	
		3	—	—	501	—	1500	296	
		4	—	—	603	—	1522	300	
		5	—	—	658	—	1530	300	
		6	—	—	870	—	1550	300	
		7	—	—	950	—	1540	302	
		8	—	—	1370	—	1550	300	
22.6	f		2270	689	1257	—	1535	300	
	f		2258	762	1235	—	1580	300	
22.8	f		2281	591	1190	—	1552	300	
	f		2280	955	1152	—	1540	300	
	f		2279	1068	1210	1220	1600	300	
23.0	f		2301	449	1325	—	1537	300	
	f		2310	1123	1160	1160	1570	300	
	f		2311	1132	1150	—	1578	300	
	f		2310	1353	1180	1182	1595	302	
23.2	f		2320	1096	1270	1280	1600	312	
	f		2331	1360	1040	1050	1593	310	
23.4	f		2340	591	1320	1315	1475	315	
	f		2350	850	1020	1020	1478	300	
	f		2348	911	970	—	1480	300	
	f		2358	998	1200	1210	1498	300	
	f		2349	1152	1192	1208	1510	305	
	f		2350	1190	1010	1010	1509	309	
	f		2351	1250	1200	1210	1502	310	
	f		2340	1300	1230	1230	1500	310	
	f		2350	1320	510	510	1558	322	
23.6	f		2360	589	1320	1330	1497	320	

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1920phlae.proj.12090

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1190	10	—	8	—		
1205	114	—	95	—		
1226	132	—	108	—		
1204	205	—	170	—		
1222	303	—	248	—		
1230	358	—	291	—		
1250	570	—	456	—		
1238	648	—	522	—		
1250	1070	—	853	—		
1235	957	—	775	—		
1280	935	—	722	—		
1252	890	—	711	—		
1240	852	—	688	—		
1300	910	920	700	707		
1237	1025	—	827	—		
1270	860	860	678	678		
1278	850	—	677	—		
1293	878	880	680	682		
1288	958	968	742	751		
1283	730	720	569	577		
1170	1015	1010	869	866		
1178	720	720	613	613		
1180	670	—	588	—		
1198	900	910	754	754		
1205	887	903	735	750		
1200	701	701	586	586		
1192	890	900	748	757		
1190	920	920	773	773		
1236	188	188	152	152		
1177	1000	1010	849	858		

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1928phae.proj.12630

184 FMc April 23, 1929 R# 644

Strip	class	star	y	x	Defl	Defl	cl	Pk	Volts
23.6	p		2370	689	1160	—	1540	920	5.03
23.8	f		2380	450	990	980	1498	910	
	f		2390	452	1220	1230	1460	910	
	p		2388	693	535	—	1470	908	
	f		2379	730	1090	1100	1483	910	
	f		2390	780	1220	—	1471	911	
	p		2380	871	1230	—	1498	910	
	f		2381	874	1190	1190	1490	920	
	f		2391	900	1290	1300	1520	920	
	p		2390	1004	960	—	1490	910	
	f		2394	1152	960	960	1510	911	
24.0	f		2405	568	970	970	1480	910	
	p		2400	941	1270	—	1486	912	
	f		2400	1078	890	900	1520	912	
24.2	p		2430	732	1031	—	1460	915	
	p		2429	861	640	—	1470	912	
	p		2432	980	1200	—	1490	912	
	p		2425	1000	620	—	1476	910	
	f		2430	1087	1055	1065	1510	910	
24.4	f		2441	540	1250	1260	1480	911	
	f		2458	665	1180	1180	1460	938	
	p		2454	908	1106	—	1530	949	
	f		2448	969	950	960	1520	932	
	f		2446	1229	1100	1010	1500	925	
24.6	p		2470	544	1299	—	1557	920	
	p		2473	1040	510	510	1535	920	
		18	1880	947	330	—	1420	917	
		1	1708	628	421	—	1430	915	
		2			420	—	1450	915	
		3	—	—	500	—	1445	913	

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1920phae.proj.12090

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	D. No.
1220	840	—	689	—		
1188	680	673	578	572		
1150	910	926	791	798		
1162	227	—	195	—		
1173	780	790	666	674		
1160	909	—	783	—		
1188	920	—	781	—		
1170	870	870	743	743		
1200	970	980	808	817		
1180	650	—	552	—		
1199	649	649	541	541		
1170	660	660	563	563		
1174	958	—	816	—		
1208	578	588	495	483		
1145	716	—	623			
1158	328	—	283	—		
1178	888	—	754	—		
1162	310	—	266	—		
1200	745	755	621	629		
1169	939	949	801	810		
1122	842	842	749	749		
1181	757	—	638	—		
1198	618	628	515	524		
1175	675	685	574	584		
1237	979	—	861	—		
1215	190	190	157	157		
1103	13	—	12	—		
1116	106	—	92	—		
1135	105	—	90	—		
1132	189	—	165	—		

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1928phae.proj.12630

FMC April 23, 1929 RH644

Strip	class	star	y	x	Dapl	Dapl	cl	dk	Volt
		4	—	—	615	—	1450	318	
		5	—	—	660	—	1450	311	
		6	—	—	890	—	1460	320	
		7	—	—	940	—	1490	320	
		8	—	—	1372	—	1510	320	5.01
Hg P		10	1882	945	309	—	1398	288	500
RH644		1	1708	628	402	—	1437	290	
April 23, 1929		2	—	—	408	—	1470	290	
		3	—	—	472	—	1462	289	
		4	—	—	589	—	1460	288	
		5	—	—	640	—	1480	289	
		6	—	—	850	—	1480	289	
		7	—	—	902	—	1484	288	
		8	—	—	1332	—	1506	289	
24.8	f		2495	692	1072	1100	1561	328	
	f		2480	859	1239	—	1564	330	
	f		2492	960	692	672	1580	330	
	f		2479	1040	503	503	1541	330	
25.0	f		2500	601	840	842	1568	337	
	f		2511	662	987	990	1580	340	
	f		2499	770	1188	—	1580	340	
25.2	p		2520	660	1120	—	1600	350	
	p		2520	999	1115	—	1558	345	
25.4	p		2540	797	932	—	1585	340	
25.6	p		2561	893	835	—	1542	340	
		10	1882	945	352	—	1430	332	
		1	1708	628	471	—	1489	342	
Plate Invaded		2	—	—	480	—	1522	350	
		3	—	—	541	—	1525	345	
		4	—	—	660	—	1520	350	

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1929phae.proj.12090

Cl.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Magn.	L. No.
1132	297		263	—		
1139	349	—	307	—		
1140	570	—	500	—		
1170	620	—	528	—		
1190	1052	—	884	—		
1910	21	—	19	—		
1147	112	—	99	—		
1180	118	—	100	—		
1163	183	—	156	—		
1172	301	—	248	—		
1191	351	—	295	—		
1191	561	—	472	—		
1196	614	—	515	—		
1247	1043	—	891	—		
1233	744	772	603	626		
1234	909	—	737	—		
1250	342	342	273	273		
1211	173	173	143	143		
1231	503	505	408	410		
1240	647	650	522	524		
1240	848	—	684	—		
1250	770	—	615	—		
1213	770	—	635	—		
1245	592	—	475	—		
1202	495	—	411	—		
1098	20	—	18	—		
1147	129	—	112	—		
1172	130	—	111	—		
1180	196	—	166	—		
1170	310	—	264	—		

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1928phae.proj.12630

Strip	Class	Star	y	x	Dyl	Dyl,	Cl	Dk	Notes
		5	—	—	720	—	1539	340	
		6	—	—	908	—	1522	341	
		7	—	—	975	—	1540	343	
		8	—	—	1381	—	1556	338	5.10

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Cl.-Dk	Defl.-Dk.	Defe.-Dk.	Reduced	Reduced	Magn.	L. No.
1199	380	—	317	—		
1181	567	—	480	—		
1197	632	—	529	—		
1218	1043	—	859	—		

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1928phae.proj.12630

New Series

FMC 8 May 3, 1929 RH 648

Strip	Class	star	y	x	Diff	Diff	cl	Dk	Volt	a
		18	1875	748	310	—	790	310	537	
		1	2239	792	312	—	819	310		
		2			330	—	840	310		
		3	—	—	350	—	811	310		
		4	—	—	360	—	810	310		
		5	—	—	410	—	810	310		
		6	—	—	490	—	811	310		
		7	—	—	572	—	790	310		
		8	—	—	675	—	800	310		
13.0	f	1	1301	707	600	—	828	310		
	f	✓1	1311	780	621	631	830	311		
13.2	f	2	1330	630	415	—	815	312		
	f	✓2	1320	840	330	330	800	315		
13.6	f	3	1373	639	341	—	820	320		
	f	4	1360	808	510	—	800	319		
	f	✓3	1361	1052	510	490	791	319		
13.8	f	5	1380	550	535	—	810	320		
	f	✓4	1385	563	565	570	835	320		
	f	✓5	1382	1098	580	600	800	320		
14.0	f	✓6	1405	830	570	575	800	320		
14.2	f	✓7	1430	530	510	520	810	319		
	f	✓8	1430	559	470	470	825	320		
14.4	f	✓9	1444	603	640	645	819	325		
	f	✓10	1440	1170	618	620	791	325		
14.6	f	✓11	1471	449	400	400	810	323		
	f	✓12	1470	940	600	600	790	323		
	f	6	1470	983	640	—	790	323		
14.8	f	✓13	1495	829	635	635	792	328		
	f	7	1485	850	560	—	798	329		
	f	✓14	1492	909	640	640	810	329		

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1926phac.proj.12036

cl-Obs	Defn-Obs	Defn-Obs	Red Defn	Reduced	Mag	L.No
480	0	—	0	—		
509	2	—	4	—		
530	20	—	38	—		
501	40	—	77	—		
500	50	—	101	—		
500	100	—	200	—		
501	160	—	359	—		
480	262	—	644	—		
490	365	—	744	—		
518	290	—	561	—	7.84	
519	310	320	597	616	7.95, 8.02	
503	103	—	205	—	6.45	242*
485	15	15	31	31	5.00 5.00	
500	21	—	42	—	5.22	239*
481	191	—	397	—	7.27	297*
472	191	171	405	363	7.30, 7.16	
490	215	—	438	—	7.42	206*
515	245	250	477	487	7.53, 7.57	
480	260	280	542	584	7.77 7.87	
480	250	255	521	531	7.70 7.74	
491	191	201	390	409	7.25 7.30	
506	150	150	297	297	6.88 6.88	
494	315	320	637	648	8.09 8.12	
466	288	295	620	632	8.04 8.07	
487	77	77	158	158	6.22 6.22	
467	277	277	691	691	7.94 7.94	
467	317	—	675	—	8.24	
464	307	307	655	655	8.20 8.20	
469	231	—	491	—	7.59	
481	311	311	646	646	8.11 8.11	

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1928phae.proj.12630

192 New Series

FMC May 3rd 29. R#648

MRD

Mag	Class	Star	y	x	Dyll	Dyll	cl	Dk	Volt.
14.8	f	✓15	1479	1310	415	415	790	330	
15.0	fp	8	1510	402	620	—	810	330	
	f	✓16	1510	431	549	552	804	329	
	f	✓17	1500	789	550	550	781	330	
	f	✓18	1502	1120	540	550	780	330	
	fp	9	1515	1153	430	—	782	330	
15.2	fp	10	1519	560	410	—	810	329	
	fp	11	1524	693	500	—	787	330	
	fp	12	1529	813	440	—	800	330	
	f	✓19	1535	1049	530	530	781	330	
	f	✓20	1538	1103	618	618	785	330	
	fp	13	1530	1121	565	—	780	330	
	fp	14	1520	1326	570	—	804	330	
M.R.D 15.4	f*	✓21	1544	421	660	660	830	340	
*	f	✓22	1554	682	460	460	810	340	
	fp	15	1550	794	459	—	808	339	
	f	✓23	1549	1165	575	575	810	342	
15.6	f	to faint	1540	465	701	700	826	340	
	f	✓24	1577	610	424	424	800	340	
	f	✓25	1569	820	610	611	800	342	
	f	to faint	1569	1159	680	680	800	342	
	fp	16	1574	1230	630	—	825	340	
	f	✓26	1577	1234	530	530	800	340	
15.8	f	✓27	1580	400	550	550	845	340	
	fp	17	1584	782	620	—	800	337	
	f	to faint	1589	785	710	710	802	340	
	f	✓28	1579	910	670	670	815	340	
	f	✓29	1591	1270	660	660	800	340	
	fp	to faint	1580	1370	710	—	798	341	
	IS		1875	448	340	—	770	340	

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1928phae.proj.12636

Q.-Dk.	Defl.-Dk.	Defl.-Dk.	Reduced	Reduced	Mag.	L.No
460	86	85	185	185	6.37, 6.37	
480	290	—	605	—	7.99	195
475	220	223	465	470	7.50, 7.54	
451	220	220	488	488	7.58, 7.58	
450	210	220	465	490	7.50, 7.59	
452	100	—	220	—	6.53	426
481	81	—	168	—	6.28	183
457	170	—	372	—	7.19	240
470	110	—	234	—	6.59	294
451	200	200	445	445	7.43, 7.43	
466	288	288	634	634	8.08, 8.08	
460	235	—	523	—	7.71	420
474	240	—	505	—	7.64	
490	320	320	655	655	8.15, 8.15	
470	120	120	256	256	6.70, 6.70	
469	120	—	256	—	6.70	279
468	233	233	497	497	7.60, 7.60	
~~486~~					too faint	
460	84	84	183	183	6.35, 6.35	
468	268	268	585	585	7.92, 7.92	
					too faint	
485	290	—	597	—	7.96	459
461	190	190	413	413	7.33, 7.33	
505	210	210	415	415	7.33, 7.33	
463	283	—	612	—	8.01	274
					too faint	
475	330	330	695	695	8.30, 8.30	
460	320	320	695	695	8.30, 8.30	
					too faint	
430	0	—	0	—		

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1928phae.proj.12630

194 New Series MRD, May 3rd RH648

Ships	class	Star	y	x	Diff	Diff	cl	Pk	Volt
		1	2239	792	350	—	810	349	
		2	—		370	—	840	345	
		3	—	—	385	—	830	340	
		4	—	—	395	—	870	338	
		5	—	—	440	—	822	340	
		6	—	—	510	—	820	340	
		7	—	—	572	—	820	340	
		8	—	—	650	—	800	340	
FMC May 4, 1929		1S	1875	695	298	—	780	298	5.21
		1	2239	740	300	—	791	298	
		2	—	—	316	—	800	299	
		3	—	—	335	—	790	300	
		4	—	—	341	—	789	300	
		5	—	—	399	—	780	300	
		6	—	—	459	—	780	300	
		7	—	—	509	—	768	300	
		8	—	—	620	—	782	300	
16.0	f	✓30	1614	375	561	561	819	302	
	f	✓31	1614	690	590	590	789	307	
	f	✓32	1611	860	570	570	778	305	
	f	✓33	1618	1053	565	565	771	306	
	f	18	1612	1312	520	—	779	311	
16.2	f	✓34	1637	278	390	390	762	311	
	p	19	1631	489	550	—	778	310	
	p	20	1631	635	373	—	770	310	
	f	✓35	1630	686	370	370	779	310	
	p	21	1630	1090	545	—	770	311	
	p	22	1628	1186	420	—	771	310	
16.4	f	✓36	1639	280	510	510	782	310	

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1928phae.proj.1263c

Cl.-Dk.	Diff.-Dk.	Diff.-Dk.	Reduced	Reduced	Mag.	L.No
461	1	—	2	—		
495	25	—	50	—		
490	46	—	92	—		
472	69	—	121	—		
482	100	—	208	—		
480	170	—	354	—		
480	232	—	484	—		
460	310	—	675	—		
482	0	—	0	—		
493	2	—	4	—		
501	17	—	34	—		
490	35	—	72	—		
489	41	—	84	—		
480	99	—	206	—		
480	159	—	332	—		
468	209	—	445	—		
482	320	—	665	—		
517	259	259	500	500	7.62, 7.62	
482	283	283	587	587	7.94, 7.94	
473	265	265	560	560	7.84, 7.84	
465	259	259	556	556	7.83, 7.83	
468	209	—	445	—	7.48	498*
467	79	79	175	175	6.40, 6.40	
468	240	—	512	—	7.74	2*
460	63	—	137	—	6.19	205✓
469	60	60	128	128	6.14, 6.14	
459	254	—	510	—	7.73	451✓
461	110	—	238	—	6.70	474*
472	200	200	425	425	7.39, 7.39	

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1928phae.proj.1263c

New Series

196 FMC May 4, 1929 R# 648

Strip	class	star	y	x	Defx	Defy	cl	Wh	Volt
16.4	f	✓37	1658	721	465	465	773	310	
	p	23	1640	848	571	—	761	310	
16.6	p	24	1660	450	570	—	785	310	
	f	✓38	1659	578	560	560	782	310	
	f	✓39	1669	875	595	595	765	311	
16.8	f	✓40	1698	400	610	611	790	313	
	f	✓41	1690	589	420	420	785	310	
	p	25	1598	890	408	—	778	312	
	f	✓42	1689	1267	580	580	760	310	
17.0	f	✓43	1710	515	590	590	780	311	
	p	26	1704	580	600	—	790	313	
	f	✓44	1703	981	330	330	770	313	
	f	✓45	1712	1252	580	580	768	312	
	f	✓46	1710	1288	470	470	760	315	
		18	1875	695	312	—	760	312	
		1	2239	740	318	—	779	311	
		2	—	—	330	—	770	310	
		3	—	—	351	—	765	312	
		4	—	—	358	—	765	311	
		5	—	—	412	—	792	311	
		6	—	—	452	—	759	311	
		7	—	—	512	—	740	312	
		8	—	—	610	—	755	311	5.20
MRD May 8, 1929		15	1965	660	280	—	730	280	
		1	2329	707	285	—	729	280	
		2	—	—	300	—	777	280	
		3	—	—	323	—	770	282	
		4	—	—	330	—	750	283	
		5	—	—	383	—	770	283	
		6	—	—	430	—	740	281	
		7	—	—	477	—	735	280	
		8	—	—	600	—	770	283	

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1928phae.proj.12630

α. Dk.	Defl. Dk.	Defl. Dk.	Reduced	Reduced	Mag.	L. No.
463	155	155	335	335	7.10, 7.10	
451	261	—	580	—	7.99	338
475	260	—	547	—	7.87	118
472	258	258	530	530	7.73, 7.73	
455	284	284	625	625	8.11, 8.11	
477	297	298	622	624	8.11, 8.11	
475	110	110	232	232	6.67, 6.67	
466	96	—	206	—	6.55	376
450	270	270	600	600	8.00, 8.00	
479	279	279	583	583	7.93, 7.93	
477	287	—	601	—	8.05	
459	17	17	37	37	5.20, 5.20	
456	268	268	587	587	7.94, 7.94	
446	155	155	348	348	7.14, 7.14	
448	0	—	0	—		
468	7	—	14	—		
460	20	—	44	—		
453	39	—	86	—		
464	47	—	104	—		
481	101	—	210	—		
448	141	—	314	—		
428	200	—	466	—		
444	299	—	675	—		
450	0	—	0	—		
449	5	—	11	—		
497	20	—	40	—		
488	41	—	84	—		
467	47	—	100	—		
487	100	—	205	—		
459	149	—	324	—		
465	197	—	433	—		
484	317	—	650	—		

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1928phae.proj.12630

198 New Series MRD May 8, 1929 RH 648

Strip	Class	Star	y	x	Diff	Diff	d	Dh	Volt
17.2	f	✓47	1725	240	370	370	730	285	
	f	✓48	1729	247	490	490	760	285	
	p	27	1722	451	530	—	755	286	
	p	28	1724	600	355	—	770	289	
	f	✓49	1720	650	340	345	750	285	
	p	29	1730	810	510	—	748	290	
	p	30	1723	1054	532	—	737	290	
	p	31	1718	1150	400	—	750	290	
17.4	p	32	1750	416	530	—	775	290	
	f	✓50	1749	540	540	540	760	290	
	f	✓51	1748	689	430	440	730	290	
	f	✓52	1750	1050	575	579	765	293	
	p	33	1750	1260	600	—	743	293	
17.6	f	✓53	1758	840	590	590	755	294	
17.8	f	✓54	1787	365	570	573	751	292	
	p	34	1797	544	675	—	767	293	
	f	✓55	1780	551	395	395	735	290	
	p	35	1784	851	380	—	732	290	
	f	✓56	1795	947	306	309	725	292	
	f	✓57	1779	1230	550	550	740	294	
		15	1965	660	290	—	705	290	
		1	2329	707	296	—	725	290	
		2	—	—	311	—	750	292	
		3	—	—	330	—	725	290	
		4	—	—	387	—	730	292	
		5	—	—	378	—	745	294	
		6	—	—	430	—	725	292	
		7	—	—	470	—	720	290	
		8	—	—	600	—	740	291	

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1928phae.proj.1263c

a.-Dk.	Refl-Dk.	Defl-Dk.	Reduced	Reduced	Magl.	L.NO
445	85	85	191	191	6.45, 6.45	
476	205	205	432	432	7.51, 7.51	
469	244	—	520	—	7.82	d
481	66	—	137	—	6.15	205
465	55	60	118	129	5.98, 6.08	
458	220	—	480	—	7.69	338
447	242	—	540	—	7.89	451
460	116	—	239	—	6.72	474
485	240	—	495	—	7.74	118
470	250	250	530	530	7.85, 7.85	
440	140	150	318	340	7.10, 7.20	
472	282	286	600	605	8.09, 8.10	
450	307	—	683	—	8.38	509
461	296	296	643	643	8.21, 8.21	
459	278	281	605	613	8.10, 8.13	
474	382	—	805	—	8.64	
445	105	105	236	236	6.70, 6.70	
442	90	—	204	—	6.54	376
433	14	17	32	39	5.00, 5.18	
446	256	256	573	573	8.00, 8.00	
414	0	—	0	—		
435	6	—	14	—		
458	19	—	42	—		
435	40	—	92	—		
438	45	—	103	—		
451	84	—	186	—		
433	138	—	320	—		
430	180	—	420	—		
449	309	—	689	—		

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1928phae.proj.12630

200 New Series

HgP - BH648 - May 8, 1929

Slitmap	Class	Star	Yj	36	Dyff	Dyfl	Cl	Dk	Volts
		10	1965	659	243	—	688	273	520
		1	2329	706	280	—	692	275	
		2	—	—	290	—	721	275	
		3	—	—	311	—	720	275	
		4	—	—	325	—	720	279	
		5	—	—	364	—	720	282	
		6	—	—	420	—	705	280	
		7	—	—	460	—	684	280	
		8	—	—	580	—	720	280	
18.0	f	58	1800	479	539	541	715	279	
	f	59	1800	1179	558	558	710	283	
	f	60	1808	1219	510	515	709	287	
	f	61	1802	1250	426	430	719	289	
18.2	f	62	1822	293	395	395	752	290	
	f	63	1831	239	535	535	743	290	
	p	36	1820	250	412	—	748	290	
	f	64	1826	470	570	568	710	296	
	f	65	1828	1150	569	570	711	295	
	p	37	1820	1230	556	—	709	293	
	p	38	1830	1340	541	—	708	293	

Continued in Bk 66 p 132

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1920phae.proj.1209c

Cl.-Dk.	Defl.-Dk	Defl Dk.	Reduced	Reduced	mag.	L.No
415	0	—	0	—		
417	5	—	12	—		
446	15	—	34	—		
445	36	—	81	—		
441	46	—	104	—		
438	82	—	187	—		
425	140	—	330	—		
404	180	—	445	—		
440	300	—	680	—		
436	266	262	595	600	8.06, 8.08	
427	275	275	643	643	8.23, 8.23	
422	223	228	528	540	7.81, 7.86	
430	137	141	318	328	7.10, 7.14	
462	105	105	228	228	6.78, 6.78	
453	245	245	541	541	7.88, 7.88	
458	122	—	266	—	6.90	51?
404	274	272	660	655	8.29, 8.27	
416	274	275	657	660	8.27, 8.29	
416	263	—	632	—	8.19	523?
415	248	—	597	—	8.07	534?

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1928phae.proj.12630

Zone Series 7mc RH 963 May 16, 1929 Rejected for pole on large residual

Sup	class	star	y	x	Dyfe	Dyfe	cl	Dh	Var
		18	2111	763	320	—	838	307	
		1	2070	1124	339	—	871	304	
		2	—	—	342	—	800	302	
		3	—	—	391	—	815	302	
		4	—	—	411	—	858	305	
		5	—	—	487	—	829	305	
		6	—	—	579	—	835	308	
		7	—	—	603	—	870	309	
		8	—	—	690	—	810	308	
13.8	f	1	1387	740	500	500	860	308	
14.0	f	2	1410	820	650	650	870	308	
14.2	fp	1	1430	621	620	—	852	308	
14.4	f	3	1440	825	450	450	860	305	
	f	4	1451	869	560	560	836	302	
	f	5	1450	980	570	570	865	305	
14.6	f	6	1460	600	592	592	849	300	
	f	7	1469	722	359	359	848	301	
	f	8	1465	876	455	455	850	302	
	f	9	1460	985	340	340	854	304	
14.8	fp	2	1490	500	540	—	830	302	
	f	10	1489	869	500	500	840	302	
	fp	3	1498	1015	322	—	870	301	
15.0	fp	4	1510	549	622	—	830	302	
	f	11	1505	761	680	680	840	302	
	f	12	1502	878	660	660	851	302	
	fp	5	1509	982	599	—	850	301	
15.2	fp	13	1530	621	650	650	825	302	
	fp	6	1528	1104	610	—	870	302	
15.4	fp	7	1540	614	596	—	839	300	
	fp	8	1557	671	380	—	828	300	

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1928phae.proj.12630

Cl-Ok	Defl.-Ok	Defl-Ok	Rel.Defl	Rel Defl	Mag.	L.No
531	13	—	24	—		
567	35	—	62	—		
498	40	—	80	—		
513	89	—	174	—		
553	106	—	192	—		
524	182	—	348	—		
527	271	—	514	—		
561	294	—	525	—		
502	382	—	760	—		
552	192	192	348	348		
562	342	342	610	610		
544	312	—	575	—	7.34	534
555	145	145	261	261		
534	258	258	485	485		
560	265	265	473	473		
549	292	292	532	532		
547	58	58	106	106		
548	153	153	279	279		
550	36	36	166	66		
528	238	—	450	—	6.94	498
538	198	198	368	368		
569	21	—	37	—	3.90	660
528	320	—	605	—	7.43	509
538	378	378	702	702		
549	358	358	653	653		
549	298	—	544	—	7.25	647
523	348	348	665	665		
568	308	—	542	—	7.24	683
539	296	—	550	—	7.26	523
528	80	—	151	—	5.71	536

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1928phae.proj.12630

204 New Series

FMC MRD

RH963, May 16th 29

Strip	Class	Star	y	x	Defc	Defl	cl	Dh	Volt
15.4	f	14	1543	722	650	650	830	300	
		15	1549	950	498	500	840	300	
		16	1553	1010	620	620	852	300	
15.6		9	1568	689	628	—	825	299	
		17	1561	811	650	650	835	298	
		10	1569	1065	600	—	851	299	
		18	1570	1129	665	665	835	300	
15.8		19	1579	465	600	600	810	300	
		11	1580	489	685	—	812	300	
		12	1580	816	611	—	822	300	
		20	1591	850	680	680	820	298	
		21	1581	870	679	680	829	295	
		22	1598	1045	532	542	834	300	
		23	1598	1130	488	490	850	295	
		24	1589	1159	640	640	832	297	
16.0		25	1608	480	660	660	800	295	
		26	1618	690	465	465	820	294	
		27	1601	790	580	580	820	295	
		28	1599	972	620	620	839	293	
16.2		13	1629	350	640	—	790	298	
		14	1627	460	580	—	800	295	
		29	1630	492	530	530	788	293	
		15	1620	511	435	—	798	291	
		30	1621	742	540	540	812	290	
		30a 16	1633	1022	560	560	835	290	
MRD 16.4		31	1641	339	680	680	790	291	
		17	1645	745	655	—	810	292	
		32	1640	970	380	380	820	290	
		33	1640	1234	610	610	800	290	
16.6		18	1666	532	690	—	790	288	

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1928phae.proj.1263

Cl-Dk	Defl Dk	Defl-Dk	Red. Defl	Red. Defl	Mag	L.No
530	350	350	660	660		
540	198	200	366	370		
552	320	320	580	580		
526	329	—	625	—	7.47	541 ✓
537	352	352	655	655		
552	301	—	545	—	7.25	681 ✓
535	365	365	683	683		
510	300	300	587	587		
512	385	—	753	—	7.82	
522	311	—	595	—	7.39	583 ✓
522	382	382	733	733		
534	384	385	733	735		
534	232	242	443	462		
555	193	195	348	351		
535	343	343	640	640		
505	365	365	723	723		
526	171	171	324	324		
525	285	285	543	543		
546	327	327	598	598		
492	342	—	695	—	7.65	1a ✓
505	285	—	565	—	7.31	457 ✓
495	237	237	478	478		
507	144	—	284	—	6.32	474 ✓
522	250	250	480	480		
545	270	270	495	495		
499	389	389	780	780		
518	363	—	700	—	7.68	
530	90	90	170	170		
510	320	320	627	627		
502	402	—	800	—	7.95	

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1928phae.proj.12630

206 New Series

MRD RH963, May 16, 1929

Temp	class	star	y	x	Defl	Defl	cl	Dh	Volt
	f	19	1660	773	650	—	800	290	
	f	20	1668	780	515	—	807	290	
	f	21	1663	822	540	—	800	290	
	f	22	1665	870	445	—	800	288	
	f	34	1660	930	560	560	825	290	
	f	35	1658	1130	590	590	838	291	
	f	36	1665	1271	620	620	842	290	
16.8	f	23	1685	413	655	—	790	290	
	f	24	1690	465	680	—	790	290	
	f	37	1679	800	685	685	820	290	
	f	25	1690	920	500	—	800	290	
	f	38	1690	1003	625	625	810	290	
	f	26	1689	1020	630	—	830	290	
17.0	f	27	1761	400	420	—	790	289	
	f	39	1700	689	370	370	810	290	
	f	28	1700	692	650	—	800	290	
	f	29	1712	729	660	—	800	290	
	f	40	1719	735	590	590	815	291	
	f	41	1709	1155	450	450	830	292	
	f	30	1710	1240	685	—	835	290	
17.2	f	42	1720	300	475	475	800	289	
	f	31	1732	419	530	—	790	288	
	f	32	1718	530	565	—	790	288	
	f	43	1725	1030	510	510	810	290	
17.4	f	44	1750	662	635	635	800	288	
	f	33	1747	877	430	—	810	289	
	f	45	1740	1020	370	370	820	292	
	f	34	1746	1031	540	—	830	290	
	f	46	1735	1145	600	600	820	288	
	1s		2111	763	300	—	765	290	

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1928phae.proj.12632

Cl-Dk	Defl-Dk	Defl-Dk	Red. Defl	Red. Defl	Mag	L. No
510	360	—	705	—	7.69	
517	225	—	435	—	6.88	570
510	250	—	490	—	7.07	587
512	157	—	306	—	6.41	606
535	270	270	505	505		
547	299	299	545	545		
552	330	330	597	597		
500	365	—	730	—	7.76	
500	390	—	780	—	7.89	442
530	395	395	745	745		
510	210	—	412	—	6.81	642
520	335	335	645	645		
540	340	—	630	—	7.49	688
501	131	—	261	—	6.23	426
520	80	80	154	154		
510	360	—	705	—	7.69	
510	370	—	725	—	7.75	
524	299	299	570	570		
538	158	158	294	294		
545	395	—	725	—	7.75	758
511	186	186	364	364		
502	242	—	483	—	7.04	420
502	277	—	553	—	7.27	451
520	220	220	424	424		
512	347	347	679	679		
521	141	—	270		6.26	625
528	78	78	148	148		
540	250	—	463	—	6.98	713
532	312	312	586	586		
475	10	—	21	—		

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1928phae.proj.12630

208 New series MRD May 16, 1929 RH 96-3

Group	Class	Star	ϑ	π	Δα fk4	Δδ fk4	α	Obs
		1	2070	1124	3 10	—	795	287
		2	—	—	3 20	—	765	284
		3	—	—	360	—	750	288
		4	—	—	380	—	794	289
		5	—	—	445	—	770	287
		6	—	—	5 10	—	780	286
		7	—	—	530	—	790	288
		8	—	—	630	—	745	288

Continued in BK64

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1928phae.proj.12631

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl
508	23	—	45	—
481	36	—	76	—
462	72	—	156	—
505	91	—	180	—
483	158	—	328	—
494	224	—	454	—
502	242	—	483	—
457	342	—	447	—

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1928phae.proj.12630

FMC May 25, 1929 RH 1008

Strip	class	star	y	x	Dyf	Dyf	d	Dh	Volh
		18	2082	830	220	—	781	219	
		1	1721	782	236	—	810	220	
		2	—	—	257	—	790	220	
		3	—	—	284	—	785	220	
		4	—	—	299	—	805	220	
		5	—	—	360	—	789	220	
		6	—	—	450	—	777	220	
		7	—	—	473	—	791	220	
		8	—	—	630	—	780	220	
14.6	p	1	1459	746	579	—	809	220	
14.8	p	2	1483	605	445	—	799	220	
	f	1	1482	831	980	380	800	220	
	p	3	1480	835	560	—	793	220	
15.0	p	4	1509	530	461	—	791	221	
	f	2	1510	813	369	369	791	221	
	f	3	1499	933	392	399	772	221	
15.2	p	5	1521	832	620	—	795	224	
15.4	f	4	1549	509	480	480	778	224	
	p	6	1541	739	589	—	772	225	
	f	5	1549	773	630	630	773	225	
	p	7	1550	817	591	—	780	224	
	p	8	1551	858	481	—	770	223	
15.6	p	9	1563	472	554	—	770	225	
	f	6	1568	480	332	332	769	226	
	p	10	1564	615	630	—	772	228	
	p	11	1561	703	555	—	772	228	
	f	7	1570	905	500	500	753	225	
15.8	p	12	1590	560	600	—	760	227	
	f	8	1588	652	580	580	768	228	
16.0	p	13	1609	424	579	—	752	229	

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1928phae.proj.12631

Cl-Dk	Dupl-Dk	Dupl-Dk	Rec Dupl	Rec Dupl	Mag	L.No
562	1	—	2	—		
590	16	—	27	—		
570	37	—	65	—		
565	64	—	113	—		
585	79	—	135	—		
569	140	—	246	—		
557	230	—	413	—		
571	253	—	443	—		
560	410	—	730	—		
589	359	—	610	—	7.88	
579	225	—	388	—	7.13	844
580	160	160	276	276	6.66, 6.66	
573	340	—	595	—	7.84	3a
570	240	—	420	—	7.24	809
570	148	148	260	260	6.59, 6.59	
551	171	178	310	323	6.81, 6.86	
571	396	—	694	—	8.16	
554	256	256	463	463	7.40, 7.40	
547	364	—	665	—	8.06	892 ?
548	405	405	740	740	8.32, 8.32	
506	367	—	725	—	8.27	
547	258	—	470	—	7.42	926
545	329	—	604	—	7.86	k ?
543	106	106	195	195	6.24, 6.24	
544	402	—	738	—	8.32	840
544	327	—	601	—	7.85	880
528	275	275	520	520	7.58, 7.58	
533	373	—	700	—	8.19	
540	352	352	652	652	8.02, 8.02	
523	350	—	670	—	8.08	758

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1928phae.proj.12630

212

FMC May 25, 1929 RH 1008

Strip	class	Star	y	x	Diff	Diff	cl	Dk	Volt
2	f	9	1629	412	550	550	750	229	
	f	14	1630	539	510	—	761	228	
	f	10	1635	960	575	573	729	230	
	f	15	1630	1033	630	—	754	230	
	f	11	1621	1095	489	488	760	230	
	f	12	1620	1129	591	591	760	230	
16.4	f	13	1650	313	358	360	740	225	
	f	16	1653	580	410	—	752	227	
	f	17	1640	801	510	—	750	229	
	f	14	1639	1009	270	270	749	228	
	f	18	1649	1078	420	—	760	228	
	f	19	1651	1105	490	—	760	229	
		15	2082	830	235	—	735	229	
		1	1721	782	245	—	760	229	
		2	—	—	261	—	732	230	
		3	—	—	290	—	745	229	
		4	—	—	305	—	750	230	
		5	—	—	351	—	739	229	
		6	—	—	460	—	730	228	
		7	—	—	452	—	740	228	
		8	—	—	622	—	749	230	
FMC May 25 1929		15	2082	830	219	—	712	217	
		1	1721	782	230	—	751	218	
		2	—	—	251	—	730	218	
		3	—	—	280	—	730	218	
		4	—	—	299	—	740	218	
		5	—	—	344	—	730	219	
		6	—	—	432	—	720	220	
		7	—	—	458	—	725	220	
		8	—	—	600	—	730	220	

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1928phae.proj.1263c

Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag.	L.No
521	321	321	615	615	7.90, 7.90	
533	282	—	530	—	7.61	790 ✓✓
499	345	343	693	687	8.15, 8.14	
524	400	—	765	—	8.41	
530	259	258	488	486	7.47, 7.46	
530	361	361	680	680	8.12, 8.12	
515	133	135	258	262	6.57, 6.58	
525	183	—	348	—	6.97	805 ✓✓
521	281	—	538	—	7.64	907 ✓
521	42	42	81	81	5.45, 5.45	
532	192	—	361	—	7.01	1030 ✓
531	261	—	491 ✓	—	7.47	1043 ✓
506	6	—	12	—		
531	16	—	30	—		
502	31	—	62	—		
516	61	—	118	—		
520	75	—	144	—		
510	122	—	240	—		
502	232	—	463	—		
512	224	—	437	—		
519	392	—	755	—		
495	2	—	4	—		
533	12	—	23	—		
512	33	—	65	—		
512	62	—	121	—		
522	81	—	155	—		
511	125	—	244	—		
500	212	—	425	—		
505	238	—	470	—		
510	380	—	745	—		

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1928phae.proj.12631

7mc RH 1008 May 25, 1929

Strip	class	star	y	x	Diff	Diff	cl	Dh	Volt
16.6	f	15	1679	379	310	310	750	220	
	f	16	1677	841	415	412	760	220	
16.8	f	20	1690	500	580	—	742	221	
	f	17	1680	1020	330	329	760	223	
	f	21	1690	1067	492	—	750	223	
17.2	f	22	1720	517	581	—	755	225	
	f	23	1738	841	561	—	741	227	
	f	18	1719	950	470	470	739	228	
17.4	f	24	1740	240	532	—	740	230	
	f	25	1750	740	590	—	750	231	
17.6									
	f	19	1760	518	540	538	742	241	
	p	26	1770	521	520	—	734	230	
	f	20	1770	1149	569	564	758	230	
17.8	p	27	1790	180	561	—	739	230	
	p	28	1782	282	513	—	748	230	
	f	21	1780	779	530	530	761	230	
	f	22	1785	1094	458	456	739	230	
	f	23	1791	1162	532	533	748	232	
	p	29	1792	1271	440	—	738	231	
18.0	f	24	1810	400	581	588	732	231	
	f	25	1800	445	487	487	732	231	
	f	26	1817	1104	486	481	744	231	
18.2	p	30	1832	211	242	—	740	231	
	p	31	1825	350	481	—	743	231	
	p	32	1829	401	565	—	727	231	
	f	27	1828	648	353	356	725	231	
	f	28	1830	1115	569	566	739	234	
18.4	p	33	1850	610	580	—	729	232	
? too faint	f	29	1850	1177	1151 ?	1159 ?	752	232	

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1928phae.proj.12630

Q-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl	Mag	L.No
530	90	90	170	170	6.12, 6.12	
540	195	192	360	356	7.03, 6.99	
521	359	—	689	—	8.20	7.64
537	107	106	199	197	6.27, 6.26	
527	269	—	510	—	7.50	1044
530	356	—	670	—	8.13	
514	334	—	650	—	8.04	948
511	242	242	474	474	7.50, 7.50	
510	302	—	592	—	7.83	683
519	359	—	693	—	8.22	893 ?
501	99	97	198	194	6.27, 6.25	
504	290	—	576	—	7.76	748
528	339	334	642	633	8.07, 8.05	
509	331	—	650	—	8.04	
518	283	—	545	—	7.64	681
531	300	300	565	565	7.84, 7.84	
509	228	226	448	445	7.41, 7.39	
516	300	301	580	583	7.87, 7.87	
507	209	—	413	—	7.14	1141
501	350	357	700	713	8.26, 8.29	
501	256	256	510	510	7.63, 7.63	
513	255	250	497	489	7.57, 7.55	
509	11	—	22	—	3.90	660
512	250	—	490	—	7.44	679
496	334	—	673	—	8.14	688
494	122	125	247	253	6.49, 6.53	
505	335	332	664	659	8.14, 8.13	
497	348	—	700	—	8.24	765
520	919	921	—	—	too faint ?	

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Dyp - RH 1008 — May 25, 1929

Hour	class	star	y	x	Dept	Dept	d	Dh	Volt
18.6	p	34	1865	222	514	—	722	231	
	l	30	1865	497	508	506	719	231	
	p	35	1870	996	459	—	719	231	
	l	31	1886	1180	280	279	731	231	
	p	36	1880	1260	480	—	735	231	
	l	32	1869	1260	580	579	744	232	
18.8	l	33	1881	443	460	461	722	231	
	l	34	1887	1106	419	415	728	231	
	l	35	1891	1118	343	343	730	231	
19.0	l	36	1900	354	423	422	700	232	
	p	37	1900	430	539	—	720	232	
	l	37	1900	993	332	332	730	231	
	l	38	1900	1082	470	465	723	231	
	l	39	1901	1161	431	430	729	231	
	p	38	1908	1217	540	—	728	232	
19.2	p	39	1930	408	431	—	718	231	
	l	40	1920	481	551	552	719	231	
	p	40	1922	1109	485	—	713	233	
19.4	l	41	1943	290	260	260	720	231	
	p	41	1950	778	508	—	712	231	
	l	42	1940	1232	512	514	722	232	
	p	42	1950	1253	540	—	722	232	
	p	43	1958	1296	319	—	720	231	
19.6	p	44	1971	462	360	—	719	231	
	p	45	1971	948	460	—	710	232	
	p	46	1968	1201	421	—	720	231	
19.8	l	43	1977	675	521	517	711	231	
	p	47	1979	381	361	—	712	231	
	l	44	1980	818	579	579	721	231	
	l	45	1990	1152	541	541	709	231	

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C-Dk	Defl-Dk	Defl-Dk	Res Defl	Res Defl	Mag	L.No
491	283	—	576	—	7.77	647
488	77	75	158	154	6.05, 6.03	
488	228	—	466	—	7.35	1109
500	49	48	98	96	5.60, 5.58	
504	249	—	495	—	7.45	1104
512	348	347	680	678	8.20, 8.20	
491	229	230	466	468	7.47, 7.48	
492	178	184	362	374	7.04, 7.08	
499	112	112	224	224	6.39, 6.39	
468	191	190	407	405	7.25, 7.24	
488	307	—	629	—	7.97	664
499	101	101	202	202	6.28, 6.28	
492	239	234	485	475	7.54, 7.50	
498	200	199	400	399	7.21, 7.20	
496	308	—	620	—	7.94	1176
487	200	—	410	—	7.14	642
488	320	321	655	656	8.14, 8.14	
480	252	—	525	—	7.56	1166
489	29	29	60	60	5.15, 5.15	
481	277	—	575	—	7.76	
490	280	282	571	575	7.85, 7.86	
490	308	—	630	—	7.97	1201?
489	88	—	180	—	6.18	1214
488	129	—	264	—	6.57	625
478	228	—	475	—	7.38	1171
489	190	—	388	—	7.05	1208
480	290	286	605	595	7.95, 7.90	
481	130	—	270	—	6.60	606
490	348	348	710	710	8.29, 8.29	
478	310	310	645	645	8.08, 8.08	

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Diff-R.A. 1008 — May. 25, 1929

Strip	Class	Star	y	x	Dife	Dife	cl	Db	Wth
		18	2082	830	234	—	688	231	
		1	1721	782	248	—	731	232	
		2	—	—	261	—	713	231	
		3	—	—	290	—	702	231	
		4	—	—	298	—	719	232	
		5	—	—	344	—	714	231	
		6	—	—	422	—	711	231	
		7	—	—	450	—	703	232	
		8	—	—	569	—	710	232	525

Continued in BK65

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Cl-Dk	Defl-Dk	Defl-Dk	Red Defl	Red Defl
457	3	—	7	—
499	16	—	32	—
482	30	—	62	—
471	59	—	125	—
487	66	—	135	—
483	118	—	234	—
480	191	—	398	—
471	218	—	463	—
478	337	—	705	—

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