1932phae.proj.1285M

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1932phae.proj.128SM

Cont. from Bk. 85, p 218

2 JP - RH 3874 - March 28, 1932

Strip.	Star	Y	X	Dep E	Dep S	Cl	Clk	Volts
	11	1941	874	712	—	1776	643	525
	1	1836	628	1150	—	1843	600	
	2	—	—	1272	—	1851	599	
	3	—	—	1329	—	1841	615	
	4	—	—	1390	—	1873	613	
	5	—	—	1448	—	1914	597	
	6	—	—	1566	—	1880	594	
	7	—	—	1641	—	1880	643	
	8	—	—	1770	—	1893	618	
19.6	✓44	1960	564	1233	1238	1901	632	
	✓45	1960	752	1661	1663	1950	638	
	✓46	1971	753	1717	1724	1942	638	
	✓47	1977	831	1772	1766	1933	628	
	✓48	1968	968	1738	1740	1900	630	
	✓49	1971	1057	1590	1598	1930	616	
	✓50	1970	1228	1297	1306	1932	613	
	✓51	1968	1259	1523	1534	1883	618	
19.8	✓52	1989	297	1570	1578	1878	623	
20.0	✓53	2010	743	1737	1751	1899	629	
	✓54	2001	1098	1662	1650	1929	624	
20.2	✓55	2024	203	1673	1670	1895	630	
	✓56	2030	764	1663	1652	1907	648	
	✓57	2030	918	1511	1515	1923	640	
20.4	✓58	2041	192	1720	1713	1893	642	
	✓59	2057	273	1613	1304	1894	646	
	✓60	2053	618	1590	1596	1887	607	
	✓61	2050	658	1669	1692	1883	639	
	✓62	2057	804	1421	1416	1924	663	
	✓63	2043	933	1527	1530	1927	653	
20.6	✓64	2068	1036	1662	1662	1893	656	

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Cl.-Cl.	Mean Cl-Dk	Red Diff	Mag	Remarks
1183	119	86	—	
1243	550	444	—	
1252	673	537	—	
1226	714	584	—	
1260	777	618	—	
1317	851	648	—	
1286	972	756	—	
1287	1048	815	—	
1275	1152	905	—	
1269	601	475	469 ✓	
1312	1024	780	734 ✓	
1304	1082	830	778 ✓	
1305	1141	875	817 ✓	
1276	1109	871	814 ✓	
1314	978	745	704 ✓	
1319	689	525	508 ✓	
1265	910	720	683 ✓	
1250	949	760	717 ✓	
1270	1115	880	823 ✓	
1305	1032	791	744 ✓	
1265	1042	825	774 ✓	
1259	1010	804	754 ✓	
1293	873	675	644 ✓	
1251	1074	859	803 ✓	
1248	662	530	513 ✓	
1237	943	763	719 ✓	
1244	1041	837	784 ✓	
1271	765	603	578 ✓	
1274	875	688	654 ✓	
1237	1006	815	765 ✓	

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Alg - R.A. 3874 - March 28, 1932

Strip	Star	y	x	Dyl	Dyl cc	Dx	Dx Volts
	65	2060	841	1342	1345	1923	641
20.8	66	2080	637	1148	1126	1883	643
	67	2090	653	1692	1688	1887	642
	68	2090	771	1169	1178	1888	641
	69	2079	1151	1411	1408	1937	642
	70	2082	1270	1342	1345	1907	651
21.0	71	2110	300	1073	1086	1867	640
	72	2113	1231	1754	1760	1939	642
	73	2112	1291	1660	1658	1928	637
21.2	74	2138	294	1410	1412	1843	637
	75	2120	409	1678	1694	1858	649
	76	2122	1180	1522	1538	1890	639
21.4	77	2143	536	1071	1088	1859	642
21.6	78	2171	297	1673	1679	1857	642
	79	2159	548	1636	1657	1857	639
	80	2141	843	1463	1457	1880	632
	81	2161	1154	1510	1487	1886	638
21.8	82	2182	561	1566	1590	1858	653
22.0	83	2203	973	1636	1629	1872	647
22.4	84	2249	953	1623	1619	1850	653
	85	2254	625	1594	1608	1870	658
	86	2242	699	1592	1609	1859	652
	87	2243	923	1457	1463	1871	662
	88	2239	1141	1404	1401	1882	653
	89	2255	1158	1593	1597	1901	657
	90	2251	1217	1628	1615	1912	661
22.6	91	2268	397	1557	1573	1873	663
22.8	92	2288	1104	1371	1410	1910	658
23.0	93	2307	1028	1483	1476	1883	648
	94	2300	1028	1648	1657	1872	640

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Cl.	Mean Diff-Ok	Red Diff	Mag.	Remarks
1282	703	547	527 ✓	
1240	494	398	414 ✓	
1245	1048	840	786 ✓	
1247	532	426	433 ✓	
1295	768	594	570 ✓	
1256	693	552	532 ✓	
1227	439	358	387 ✓	
1297	1115	860	804 ✓	
1291	1022	792	744 ✓	
1206	774	642	613 ✓	
1209	1037	858	802 ✓	
1251	891	714	677 ✓	
1219	937	770	725 ✓	
1208	1034	856	799 ✓	
1218	1007	825	775 ✓	
1248	828	665	635 ✓	
1248	860	690	655 ✓	
1205	925	768	724 ✓	
1225	985	805	756 ✓	
1197	968	810	761 ✓	
1212	943	777	733 ✓	
1207	949	786	740	
1209	798	660	630 ✓	
1229	749	610	586 ✓	
1244	938	755	713 ✓	
1251	961	770	725 ✓	
1210	902	745	704 ✓	
1252	732	585	563 ✓	
1235	831	675	644 ✓	
1232	1011	820	770 ✓	

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Kgp - R.H. 3874 - March 28, 1932

Strip	Star	y	x	Defy	Defx	Cc	Dk	Volts
23.2	✓95	2322	490	1626	1623	1866	653	
	✓96	2321	752	1583	1603	1838	640	
	✓97	2322	991	1682	1697	1883	652	
	✓98	2322	998	1693	1708	1889	662	
23.4	✓99	2340	1037	1712	1702	1890	662	
23.6	✓100	2360	711	1658	1670	1858	662	
24.0	✓101	2400	656	1630	1606	1860	653	
	✓102	2400	757	1627	1643	1854	638	
	103	2400	1048	1210	1151	1871	642	
24.2	✓104	2431	707	1583	1571	1854	661	
	✓105	2420	837	1520	1515	1843	642	
	✓106	2428	1147	1411	1416	1863	653	
24.6	✓107	2470	443	1147	1149	1822	653	
24.8	✓108	2480	516	1588	1602	1829	643	
	✓109	2470	980	1628	1610	1857	643	
25.0	✓110	2504	754	1440	1417	1774	642	
25.8	✓111	2580	649	1616	1632	1779	633	
26.2	✓112	2620	606	1623	1632	1797	652	
	✓113	2620	809	1503	1498	1783	643	
26.4	×114	2637	746	1404	1386	1774	644	
	1	1944	874	813	—	1690	648	
		1839	528	1123	—	1760	641	
	2	—	—	1267	—	1773	648	
	3	—	—	1368	—	1762	640	
	4	—	—	1342	—	1772	631	520
	5	—	—	1407	—	1810	643	
	6	—	—	1488	—	1800	632	
	7	—	—	1572	—	1770	633	
	8	—	—	1646	—	1787	600	

Plate Imaged

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1932phae.proj.12851

Cl.-Dk	Mean Defl.-Dk	Red Defl	Mag	Remarks
1213	971	801	752 ✓	
1198	878	734	694 ✓	
1231	1038	844	788 ✓	
1227	1038	845	789 ✓	
1228	1045	851	795 ✓	
1196	1002	838	785 ✓	
1209	965	800	752 ✓	
1216	997	820	770 ✓	
1229	548	446	446 ✓	
1193	916	770	725 ✓	
1201	680	566	546	
1210	761	630	603 ✓	
1169	495	578	556 ✓	
1186	952	804	754 ✓	
1214	976	805	755 ✓	
1132	786	695	659 ✓	
1146	991	865	808 ✓	
1145	976	855	799 ✓	
1140	857	754	712 ✓	
1130	751	665	635+	outside circle
1042	165	158	—	
1119	482	432	—	
1125	619	550	—	
1122	668	596	—	
1135	705	622	—	
1167	764	655	—	
1168	856	735	—	
1137	939	826	—	
1137	996	880	—	

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8 Windy m.m. RH 3869 - March 31, 1932

Strip	Star	y	x	Diff	Diff	Cl	Ck	Volts
	1s	2007	928	773	–	2250	598	5.65
	1	1698	731	1348	–	2220	604	
	2	–	–	1548	–	2212	596	
	3	–	–	1642	–	2241	579	
	4	–	–	1620	–	2221	578	
	5	–	–	1691	–	2218	581	
	6	–	–	1855	–	2235	582	
	7	–	–	1868	–	2252	586	
	8	–	–	2037	–	2234	593	
15.2	1	1535	733	1598	1572	2210	601	
15.6	2	1560	950	1792	1762	2188	585	
16.0	3	1609	530	1739	1698	2173	585	
	4	1610	602	1767	1732	2188	598	
	5	1609	620	1990	1982	2191	597	
16.2	6	1622	650	1851	1800	2201	610	
16.4	7	1648	547	1907	1868	2192	612	
16.6	8	1673	543	1957	1978	2201	593	
	9	1660	713	1910	1950	2189	596	
	10	1668	870	1900	1873	2183	589	
16.8	11	1689	410	1926	1924	2162	601	
	12	1697	1002	1470	1439	2181	600	
	13	1698	1138	1948	1940	2190	600	
	14	1698	468	2048	2029	2209	598	
17.2	15	1732	884	2008	1969	2192	598	
	16	1729	1252	1967	1948	2181	595	
17.8	17	1780	545	1729	1697	2201	600	
	18	1786	1266	2020	2018	2189	606	
18.0	19	1800	628	1848	1810	2172	601	
18.2	20	1836	389	2038	2009	2182	589	
	21	1825	152	1882	1889	2162	603	

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Cl - Dk	Mean Defl - Dk	Red Defl	Mag	Remarks
1652	175	106	—	
1616	744	461	—	
1616	952	589	—	
1662	1063	640	—	
1643	1042	635	—	
1637	1110	678	—	
1653	1273	771	—	
1666	1282	770	—	
1641	1444	880	—	
1609	984	612	550	
1603	1192	744	663	
1588	1133	714	636	
1590	1152	725	648	
1594	1389	870	819	
1591	1215	763	683	
1580	1276	806	731	
1608	1371	855	798	
1593	1334	836	767	
1594	1297	814	741	
1561	1324	848	787	
1581	854	540	491	
1590	1344	845	780	
1611	1440	894	856	
1594	1390	872	823	
1586	1363	860	801	
1601	1113	695	618	
1583	1413	893	855	
1571	1228	780	701	
1593	1435	900	off curve	
1559	1282	824	754	

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CH 3869 - March 31, 1932.

Strip	Star	Y	X	Dyff	Dyff	cc	Dk	Volts
	22	1821	992	1885	1878	2148	581	
KJP	23	1891	1098	2043	2019	2108	581	
	24	1819	1248	1973	1966	2101	602	
18.4	25	1842	506	1968	1958	2137	588	
	26	1858	996	1898	1877	2073	583	
	27	1850	1269	1977	1976	2088	593	
	28	1850	1272	2012	2023	2123	573	
18.6	29	1861	643	1944	1930	2043	593	
	30	1861	676	2014	2022	2132	585	
	31	1877	970	1871	1837	2037	593	
	32	1863	1257	1960	1956	2122	591	
18.8	33	1890	687	2023	2027	2141	578	
	34	1880	1314	2009	2026	2122	603	
19.0	35	1898	1098	2030	2032	2103	612	
	36	1907	1122	1568	1513	2132	608	
19.2	37	1930	547	1798	1787	2154	612	
	38	1927	628	1958	1968	2148	603	
	39	1920	833	2052	2038	2037	603	
19.4	40	1940	632	1993	1990	2048	598	
	41	1948	769	2008	2012	2163	601	
	42	1939	961	1643	1597	2132	616	
19.6	43	1959	1092	1877	1856	2154	603	
19.8	44	1981	443	2018	1957	2113	602	
	45	1989	587	1663	1596	2150	612	
	46	1998	842	1949	1932	2187	622	
	47	1988	1110	2006	1990	2143	602	
20.0	48	2003	208	1654	1586	2163	613	
	49	2003	330	2011	2018	2162	620	
	50	2003	648	1657	1612	2170	603	
20.2	51	2050	623	2011	1993	2057	627	

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1932phae.proj..12857

Q.-Dk.	Mean Dyf-Dk	Red Dyf	Mag.	Remarks
1567	1302	832	713	
1527	1450	950	off curve	
1499	1367	911	off curve	
1549	1375	889	830	
1490	1305	875	825	
1495	1383	925	off curve	
1550	1445	932	off curve	
1450	1344	926	off curve	
1547	1433	927	off curve	
1444	1261	874	826	
1531	1367	894	856	
1563	1447	925	off curve	
1529	1415	925	off curve	
1521	1419	931	off curve	
1524	932	612	549	
1542	1180	765	687	
1545	1360	880	831	
1434	1442	1005	off curve	?
1450	1394	960	off curve	
1512	1409	901	off curve	
1516	1004	662	592	
1554	1266	815	742	
1571	1386	882	832	
1538	1017	661	590	
1565	1318	841	776	
1541	1396	905	off curve	
1550	1007	649	579	
1542	1394	904	off curve	
1567	1031	658	588	
1430	1375	961	off curve	

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Ajp - C# 3869 - March 31, 1932

Strip	Star	y	x	Dell	Dep	Cl	Dk	Tells
20.6	52	2070	507	1992	1976	2166	632	
	53	2071	730	1991	1990	2197	630	
	54	2073	757	1892	1910	2180	631	
	55	2069	828	1938	1912	2143	618	
	56	2061	975	1730	1693	2160	619	
20.8	57	2090	532	1972	1923	2190	637	
	58	2090	793	1689	1653	2183	621	
	59	2083	1031	2013	2000	2173	629	
	60	2080	1127	1988	2000	2168	622	
	61	2079	1360	2006	1995	2133	617	
21.0	62	2107	804	1663	1607	2163	620	
	63	2109	1072	1847	1847	2162	603	
	64	2111	1197	1664	1620	2127	619	
	65	2100	1243	1923	1840	2136	609	
21.2	66	2121	270	2028	2037	2193	621	
	67	2132	779	1952	1903	2167	623	
	68	2124	949	1817	1775	2157	624	
	69	2120	1180	1929	1933	2160	622	
	70	2123	1354	1316	1202	2088	624	
	71	2160	730	1937	1942	2183	626	
	1a	2007	928	842	—	2103	640	525
	1	1698	731	1362	—	2107	630	
	2	—	—	1553	—	2133	640	
	3	—	—	1593	—	2157	632	
	4	—	—	1639	—	2128	632	
	5	—	—	1666	—	2200	633	
	6	—	—	1850	—	2145	643	
	7	—	—	1861	—	2119	629	
	8	—	—	1983	—	2158	641	

Saturn's motion due to undi- ness 216

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1932phae.proj.12857

Cl-Dk	Mean Dep't-Dk	Red Dep.	mag	Remarks
1534	1352	882	840	
1567	1360	868	811	
1549	1270	820	749	
1525	1303	855	792	
1541	1093	709	630	
1553	1325	853	792	
1562	1050	672	601	
1550	1383	893	853	
1546	1372	887	843	
1519	1386	914	off curve	
1543	1015	657	587	
1559	1244	798	720	
1508	1023	679	605	
1547	1273	824	755	
1573	1412	896	off curve	
1544	1329	860	801	
1533	1172	765	685	
1538	1309	850	789	
1464	635	434	417	
1559	1314	845	781	
1463	202	181	—	
1477	732	496	—	
1493	910	610	—	
1525	961	631	—	
1496	1007	673	—	
1567	973	622	—	
1502	1207	803	—	
1490	1232	827	—	
1517	1342	885	—	

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1932phae.proj.12850

P.S.R. - R.H. 3869 - April 1, 1932

Strip	Star	y	x	Diff	Diff.	Cl	Lib	Volts
	15	2007	918	753	—	1660	592	5.37
No use	1	1698	722	1178	—			
	2	—	—		—			
Gain constantly	3							
	4							
increasing	5							
over	6							
range of	7							
200	8							
Working								
overhead								

April Pool. 1

P-R-RH 3869 - April 2, 1932. 520

	15	2008	917	760	—	2097	588	
	1	1700	721	1258	—	2077	593	
	2	—	—	1458	—	2097	602	
	3	—	—	1552	—	2132	612	
	4	—	—	1572	—	2122	607	
	5	—	—	1610	—	2157	612	
	6	—	—	1773	—	2159	619	
	7	—	—	1808	—	2161	620	
	8	—	—	1960	—	2164	619	
21.8	72	2190	259	1510	1438	2182	612	
	73	2195	431	1886	1850	2167	600	
22.0	74	2207	1091	1963	1962	2159	614	
22.2	75	2222	791	1998	2010	2193	618	
	76	2220	1038	1862	1863	2157	619	
22.4	77	2244	337	1938	1932	2183	600	

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1932phae.proj.12870

C.-Db.	Mean Defl.-Dk.	Red. Defl.	Magn.	Remarks
1509	172	114	—	
1484	665	448	—	
1495	856	573	—	
1520	940	619	—	
1515	965	637	—	
1545	998	645	—	
1546	1160	752	—	
1541	1188	772	—	
1545	1341	867	—	
1570	862	550	541	
1567	1266	808	770	
1545	1348	872	830	
1575	1386	880	838	
1538	1243	809	770	
1583	1335	843	802	

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1932phae.proj.1285M

Agp - RK 3869 - April 2, 1932.

Strip	Star	y	x	Dfl	Dfl	Ce	Dk	Volts
	✓78	2241	341	1829	1816	2180	604	
	✓79	2247	489	1843	1816	2167	619	
	✓80	2241	1027	1782	1763	2141	618	
22.6	✓81	2268	638	1771	1741	2160	613	
	×82	2263	992	2022	2030	2153	613	
	×83	2270	1287	2011	2023	2128	624	
22.8	✓84	2280	304	1881	1853	2157	618	
	×85	2280	909	2033	2033	2163	614	
	✓86	2293	594	1956	1957	2180	612	
	✓87	2293	1110	1868	1827	2163	623	
23.0	✓88	2310	312	1844	1868	2174	621	
	✓89	2301	538	1963	1932	2162	623	
	✓90	2303	902	1690	1674	2175	622	
	✓91	2312	1107	1508	1482	2176	621	
	✓92	2297	1154	1315	1255	2174	617	
23.2	✓93	2320	800	2024	2016	2187	630	
	×94	2320	967	2047	2043	2177	612	
	✓95	2320	1023	1977	2002	2201	632	
	✓96	2331	1122	2012	2014	2183	621	
23.4	✓97	2350	596	1964	1950	2173	628	
	✓98	2341	711	1912	1838	2202	622	
	✓99	2341	732	1609	1606	2203	629	
	✓100	2348	799	1656	1658	2172	623	
	×101	2354	838	2000	2018	2187	631	
23.6	✓102	2369	947	1224	1167	2196	626	
	×103	2364	1014	2029	2023	2209	628	
	✓104	2358	1106	1873	1844	2205	643	
24.0	×105	2407	380	2010	2007	2157	641	
	✓106	2408	426	1824	1824	2218	644	
	✓107	2410	508	1938	1932	2212	642	

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1932phae.proj..1285M

Cl.-Dk.	Mean Diff-Dk	Red Diff	Mag	Remarks
1576	1218	773	741	
1548	1210	782	750	
1523	1154	756	723	
1547	1143	740	710	
1540	1413	918	off curve	+
1504	1293	926	off curve	+
1544	1254	812	773	
1549	1419	915	off curve	x
1568	1344	857	813	
1540	1224	795	758	
1553	1235	795	758	
1539	1324	860	817	
1553	1060	683	659	
1555	895	575	562	
1557	668	430	441	
1557	1390	893	852	
1565	1418	905	off curve	+
1569	1357	865	822	
1562	1392	890	848	
1545	1329	860	818	
1580	1253	793	759	
1574	979	624	605	
1549	1034	668	641	
1556	1378	885	841	
1570	570	364	392	
1581	1398	884	840	x
1562	1214	776	742	
1516	1367	901	off Curve	x
1574	1180	750	720	
1570	1293	824	738	

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1932phae.proj.1285M

Dec. -R.A. 3869 - April 2, 1932.

Strip	Star	Y	X	Diff	Diff	Ce	Dk Volts	
	108	2398	802	2000	2022	2192	650	
	109	2400	827	1443	1357	2221	643	
	110	2400	1110	1807	1771	2216	651	
	111	2400	1178	1800	1802	2203	643	
24.2	112	2421	575	1961	1913	2207	639	
	113	2432	1078	1998	2022	2232	647	
24.4	114	2440	523	1570	1557	2193	642	
	115	2450	752	1990	1983	2197	647	
24.6	116	2477	1089	1850	1848	2200	648	
24.8	117	2489	528	1989	1980	2197	642	
	118	2486	952	1850	1773	2192	647	
	119	2491	1013	1847	1800	2207	640	
	120	2483	1083	1928	1852	2191	649	
25.0	121	2570	1049	2009	2026	2202	646	
	122	2507	1092	1949	1970	2188	643	
25.4	123	2557	534	1871	1852	2203	642	
	124	2538	737	1908	1898	2202	642	
	125	2547	771	1907	1891	2181	643	
25	126	2542	922	2049	2022	2202	638	
25.6	127	2571	577	1907	1975	2201	642	
	128	2554	952	1852	1805	2202	657	
25.8	129	2589	799	1907	1960	2214	657	
26.2	130	2622	728	1892	1839	2200	642	
	131	2637	829	1968	1970	2200	645	
26.4	132	2641	719	1600	1470	2221	642	
	1	2008	927	850	—	2133	642	
Plate	2	1700	721	1290	—	2126	627	520
finished	3	—	—	1447	—	2139	636	
	4	—	—	1538	—	2170	642	
	5	—	—	1514	—	2162	631	
	6	—	—	1699	—	2219	637	
	7	—	—	1774	—	2213	634	
	8	—	—	1973	—	2197	631	

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1932phae.proj.1285M

Cl.-Dk.	Mean Dayl.-Dk.	Red Days	Mag.	Remarks
1542	1386	898	850	
1578	757	481	481	
1565	1138	726	698	
1560	1158	742	712	
1568	1298	826	787	
1585	1368	862	820	
1551	922	595	580	
1550	1339	864	821	
1552	1201	775	743	
1555	1342	864	821	
1545	1165	755	723	
1567	1184	755	723	
1542	1241	805	768	
1556	1372	882	840	
1545	1316	851	811	
1561	1220	780	748	
1560	1261	809	770	
1538	1256	816	778	
1564	1398	894	852	
1559	1324	850	809	
1552	1178	758	727	
1564	1308	835	797	
1558	1224	786	751	} outside circle
1555	1324	852	810	} outside circle
1559	993	636	615	} outside circle 2 67 1470
1491	208	139	—	
1499	663	443	—	
1509	817	542	—	
1528	851	558	—	
1531	907	592	—	
1582	877	555	—	
1579	1065	673	—	
1566	1143	730	—	
1530	1341	877	—	

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1932phae.proj.1285M

XJP-R.H 3870 - April 4, 1932.

Trip	Star	y	x	dyf	dyf	cc	dk	Volts	
	1s	2000	938	607	—	1707	562	520	
	1	1703	723	872	—	1811	566		
	2	—	—	1074	—	1803	568		
	3	—	—	1126	—	1812	569		
	4	—	—	1121	—	1851	588		
	5	—	—	1210	—	1852	592		
	6	—	—	1343	—	1848	591		
	7	—	—	1313	—	1843	601		
	8	—	—	1593	—	1866	590		
15.2	↓1	1530	757	1677	1684	1823	603		
	↓2	1528	892	1672	1698	1827	601		
15.4	↓3	1539	747	1193	1220	1820	602		
15.6	↓4	1562	962	1384	1391	1841	608		
15.8	↓5	1592	824	1673	1674	1841	579		
16.0	↓6	1611	542	1308	1296	1863	601		
	↓7	1611	613	1313	1322	1851	602		
	↓8	1611	632	1558	1567	1860	603		
16.2	↓9	1610	542	1224	1230	1854	573		
	↓10	1628	662	1397	1351	1866	577		
16.4	↓11	1649	479	1685	1642	1887	596		
	↓12	1650	668	1453	1422	1868	589		
	↓13	1650	622	1755	1800	1853	593		
16.6	↓14	1676	657	1470	1512	1877	613		
	↓15	1662	665	1653	1673	1911	611		
	↓16	1661	727	1462	1447	1878	613		
	↓17	1662	828	1684	1711	1888	609		
	↓18	1671	881	1432	1426	1791	573		
16.8	↓19	1690	821	1658	1499	1880	617		
	↓20	1680	1079	1723	1717	1882	618		
17.0	↓21	1700	480	1666	1712	1912	622		

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1932phae.proj.12857

Cl.-Dk.	Mean Defl.-Dk	Red. Defl.	Mag	Remarks
1145	45	39	—	
1245	306	246	—	
1235	506	411	—	
1243	557	449	—	
1263	633	423	—	
1260	618	492	—	
1259	752	600	—	
1242	712	574	—	
1276	1003	787	—	
1220	1077	883	off curve	
1226	1084	887	off curve	
1218	610	502	651	
1233	780	633	743	
1242	1075	867	off curve	
1262	701	556	696	
1249	716	575	709	
1257	959	763	823	
1261	634	503	651	
1266	777	614	734	
1291	1068	826	off curve	
1279	849	664	765	
1260	1184	940	off curve	
1264	878	694	781	
1300	1052	810	850	
1265	841	664	765	
1279	1089	850	off curve	
1198	836	698	782	
1263	911	723	801	
1264	1102	872	off curve	
1290	1067	829	off curve	

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1932phae.proj.128SM

LSP - R # 3870 — April 4, 1932.

strip	star	Y	X	Defl	Defl	Ce	Lk Volts.
	22	1700	492	1577	1607	1893	621
	23	1700	1014	1021	1022	1887	614
	24	1700	1149	1568	1603	1893	621
17.2	25	1728	639	1693	1788	1943	622
	26	1731	1264	1622	1607	1916	619
17.4	27	1737	896	1618	1606	1918	629
17.8	28	1781	558	1186	1170	1952	633
	29	1790	671	1662	1683	1937	648
	30	1776	1184	1688	1719	1947	642
	31	1789	1279	1692	1716	1950	652
18.0	32	1801	640	1390	1374	1882	633
	33	1798	1181	1741	1789	1958	643
18.2	34	1829	667	1412	1410	1962	630
	35	1823	1008	1432	1388	1941	640
	36	1820	1268	1637	1645	1932	643
18.4	37	1840	400	1733	1783	2093	630
	38	1847	518	1692	1702	2110	642
	39	1823	1112	1773	1780	2079	643
	40	1851	1270	1752	1820	2036	657
	41	1852	1284	1769	1857	2042	657
18.6	42	1863	655	1663	1612	2168	667
	43	1864	687	1818	1814	2082	663
	44	1860	1087	1553	1535	2063	671
	45	1867	1263	1647	1680	2076	667
18.8	46	1891	698	1761	1806	2052	663
	47	1879	981	1467	1500	2062	652
	48	1883	1326	1806	1822	2057	629
19.0	49	1900	1109	1722	1763	2050	653
	50	1909	1163	1021	976	2036	653
19.2	51	1930	658	1273	1313	2128	653

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1932phae.proj.1285M

Cl.–Dk.	Mean Defl–Dk	Red Defl	Mag.	Remarks
1272	971	764	825	
1273	408	321	504	
1272	965	758	820	
1321	1118	843	off curve	
1297	995	768	827	
1289	983	764	825	
1319	545	413	580	
1289	1024	795	840	
1305	1062	815	852	
1298	1052	811	851	
1349	749	555	694	
1315	1122	854	off curve	
1332	781	586	715	
1301	770	593	721	
1289	998	774	831	
1463	1103	755	817	
1468	1055	719	797	
1436	1133	790	837	
1379	1129	819	off curve	
1385	1156	835	off curve	
1401	971	693	781	
1419	1153	811	851	
1392	873	627	741	
1409	997	709	791	
1389	1121	808	847	
1410	832	590	720	
1428	1185	829	off curve	
1397	1089	778	830	
1383	345	248	438	
1470	640	436	596	

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1932phae.proj.1285M

XP- RH3870- April 5, 1932.

Strip	Star	Y	X	Defl	Defl	Ce	Dk	Volts
	52	1930	639	1632	1623	2109	651	
	53	1920	846	1796	1773	2093	653	
19.4	54	1942	644	1733	1781	2174	660	
	55	1950	782	1873	1816	2143	674	
	56	1940	973	1080	1063	2143	662	
19.6	57	1960	1104	1460	1481	2200	667	
19.8	58	1985	457	1810	1803	2293	673	
	59	1981	489	1820	1962	2253	670	
	60	1990	518	1078	1088	2243	670	
	61	1990	853	1671	1672	2218	677	
	62	1990	1123	1768	1814	2217	673	
20.0	63 M	2000	270	1007	1033	2279	175	
	64	2001	940	1870	1877	2299	692	Galvanometer unsteady
	65	2002	659	1079	1112	2292	681	
	66	2014	682	1628	1612	2288	688	
	67	1997	960	1909	1892	2295	683	
	68	2010	1260	1992	2020	2264	678	
20.4	69	2057	638	1865	1878	2333	711	
20.6	70	2069	519	1831	1847	2338	700	
	71	2074	743	1769	1819	2309	692	
	72	2076	769	1648	1609	2322	691	
	73	2069	840	1661	1706	2296	679	
	74	2062	988	1300	1330	2272	679	
20.8	75	2090	547	1722	1693	2318	667	
	76	2090	807	1192	1150	2294	678	
	77	2086	1045	1848	1863	2264	682	
	78	2080	1141	1872	1863	2289	673	
21.0	79	2107	819	1122	1128	2242	669	
	80	2110	1085	1483	1500	2270	672	
	81	2113	1210	1231	1242	2269	680	

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1932phae.proj..1285M

Cl.–Dk	Mean Dyl–Dk	Red Dyl	mag.	Remarks
1458	977	670	768	
1440	1131	786	834	
1514	1097	724	801	
1469	1170	797	840	
1481	410	273	461	
1533	803	523	669	
1620	1159	715	796	
1583	1271	805	846	
1573	413	263	451	
1541	995	646	751	
1544	1118	722	800	
1604	345	215	515	
1607	1182	736	846	
1611	415	257	553	
1600	932	583	771	
1612	1218	755	855	
1576	1328	841	off averie	
1622	1161	717	838	
1638	1139	695	828	
1617	1102	682	823	
1631	937	574	765	
1617	1005	622	791	
1593	636	398	660	
1651	1041	632	798	
1616	493	305	593	
1582	1173	742	850	
1616	1195	739	846	
1573	456	290	582	
1698	820	513	733	
1589	556	351	630	

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1932phae.proj.12857

m.m. — RH 3870 — April 4, 1932.

Strip	Star	y	x	Defl.	Defl.	Cl.	Dk.	wdh.
	82	2100	1258	1752	1773	2262	678	
	1s	1999	938	723	—	2265	683	
	1	1707	723	904	—	2264	683	
	2	—	—	1118	—	2252	699	
	3	—	—	1112	—	2248	700	
	4	—	—	1169	—	2248	680	
	5	—	—	1290	—	2289	692	
	6	—	—	1412	—	2264	701	
	7	—	—	1432	—	2282	707	
	8	—	—	1841	—	2291	703	

P. S. R. — R. H. 3870 — April 4, 1932

	1s	1998	922	911	—	2255	673	5.21
	1	1702	706	1383	—	2250	677	
	2	—	—	1580	—	2263	670	
	3	—	—	1689	—	2238	661	
	4	—	—	1689	—	2243	660	
	5	—	—	1782	—	2248	669	
	6	—	—	1897	—	2240	675	
	7	—	—	1913	—	2262	675	
	8	—	—	2052	—	2248	676	
21.2	83	2126	945	1849	1858	2234	679	
	84	2120	1174	1960	1973	2266	688	5.20
	85	2125	1349	1273	1276	2273	659	
	86	2136	774	1987	1967	2264	660	
21.6	87	2161	725	1978	1972	2250	671	
21.8	88	2191	268	1618	1609	2306	685	
	89	2196	440	1998	1980	2313	693	
22.0	90	2208	1098	2020	2035	2270	673	
22.2	91	2225	500	2103	2103	2337	703	5.19

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1932phae.proj.12857

α-Dk.	Mean Decl.-Dk.	Red. Decl.	Mag.	Remarks
1584	1084	685	824	
1582	40	25		
1581	221	140		
1553	419	270		
1548	412	278		
1568	489	312		
1597	598	376		
1463	711	486		
1575	725	460		
1588	1138	717		
1582	238	150		
1573	706	450		
1593	910	570		
1577	1028	652		
1583	1029	649		
1579	1113	706		
1565	1222	782		
1587	1238	780		
1572	1376	875		
1555	1173	755	695	
1578	1278	810	757	
1614	615	382	390	
1604	1317	821	771	
1579	1304	828	777	
1621	929	573	522	
1620	1296	800	831	
1597	1355	850	offcurve	
1634	1400	855	offcurve	

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1932phae.proj.12857

P.S.R. – R.A. 3870 – April 4, 1932

Strip	Star	q	x	Diff.	Diff.	Cl.	Cor.	Volts
22.2 (cont.)	92	2220	750	2093	2090	2310	720	5.19
	93	2220	1046	1936	1928	2303	717	
	94	2237	851	2132	2165	2316	728	
	15	1998	922	865	—	2313	732	
	1	1703	706	1263	—	2289	751	
	2	—	—	1398	—	2332	749	
	3	—	—	1419	—	2298	747	
	4	—	—	1534	—	2322	737	
	5	—	—	1648	—	2340	736	
	6	—	—	1808	—	2316	743	
	7	—	—	1814	—	2359	744	
	8	—	—	2027	—	2340	745	5.17

P.S.R. – R.A. 3870 – April 5, 1932

	15	1998	947	751	—	1712	622	5.14
	1	1702	730	1078	—	1732	636	
	2	—	—	1238	—	1736	628	
	3	—	—	1289	—	1728	642	
	4	—	—	1330	—	1722	636	
	5	—	—	1412	—	1744	636	
	6	—	—	1456	—	1670	637	
	7	—	—	1474	—	1667	630	
	8	—	—	1542	—	1668	634	5.14
22.4		2244	369	1527	1539	1682	633	
		2243	374	1470	1474	1704	642	
		2246	523	1497	1496	1685	638	

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1932phae.proj.12851

Cl-Dk	Mean Defl-Dk	Red Defl	Mag	Remarks
1590	1372	864	off curve	
1586	1215	767	805	
1588	1420	893	off curve	
1581	133	84		
1538	512	333		
1583	649	410		
1551	672	434		
1585	797	504		
1604	912	568		
1573	1065	676		
1615	1060	656		
1595	1282	805		

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1932phae.proj.1285M

λ Gp - BH 3870 - April 5, 1932.

Strip	Star	Y	X	dyff	dyff	cc	Dk	Volts
	1s	2000	850	924	—	2030	583	505
	1	1704	635	1203	—	2072	588	
	2	—	—	1358	—	2089	590	
	3	—	—	1433	—	2087	583	
	4	—	—	1498	—	2087	577	
	5	—	—	1628	—	2092	588	
	6	—	—	1701		2073	573	
	7	—	—	1680	—	2077	572	
	8	—	—	1871	—	2087	573	
22.4	95	2248	272	1877	1837	2139	610	
	96	2248	279	1738	1719	2178	603	
	97	2250	428	1832	1788	2100	608	
	98	2247	964	1670	1718	2097	592	
22.6	99	2270	574	1620	1634	2112	603	
	100	2272	1059	2015	1948	2101	600	
22.8	101	2280	242	1847	1822	2160	600	
23.0	102	2312	249	1743	1772	2161	610	
	103	2304	476	1873	1907	2161	612	
	104	2297	532	1952	1934	2172	618	
	105	2308	840	1537	1521	2132	610	
	106	2300	1092	1121	1152	2139	613	
23.2	107	2331	904	1908	1923	2161	608	
	108	2321	961	1877	1888	2133	620	
	109	2317	1045	1386	1326	2170	620	
23.4	110	2352	532	1903	1900	2142	613	
	111	2346	650	1817	1852	2133	617	
	112	2342	670	1592	1590	2138	613	
	113	2349	738	1513	1492	2147	613	
	114	2333	1062	1837	1840	2128	608	
23.6	115	2370	884	1133	1030	2142	622	

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1932phae.proj.12857

Cl.-Dk	Mean Defl.-Dk.	Red. Defl.	Mag	Remarks
1447	141	98	250	
1484	615	415	442	
1499	768	515	518	
1504	850	576	560	
1490	901	606	595	
1504	1040	692	673	
1500	1128	752	731	
1505	1108	736	715	
1514	1298	855	833	
1529	1247	816	796	
1575	1125	713	693	
1542	1202	780	760	
1505	1102	733	712	
1509	1024	678	660	
1501	1382	920	off curve	Large difference in defl. readings
1560	1234	793	771	
1551	1148	748	727	
1549	1278	825	801	
1554	1325	852	831	
1522	919	603	592	
1526	523	343	390	
1553	1298	836	814	
1513	1262	835	814	
1550	736	475	486	
1529	1289	840	820	
1516	1217	803	781	
1525	978	641	629	
1534	889	579	571	
1520	1230	810	789	
1520	460	303	364	

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1932phae.proj.1285M

XGP-BH 8870 – April 5, 1932.

Strip	Star	y	x	dyfl	dyfl	cl	dk	Volts
	116	2360	1045	1668	1683	2153	613	
24.0	117	2410	317	1977	1952	2180	623	
=	118	2410	360	1752	1692	2153	621	
	119	2400	740	1942	1973	2141	624	
	120	2400	763	1312	1311	2141	638	
	121	2400	1049	1674	1623	2133	632	
	122	2400	1117	1664	1636	2160	638	
24.2	123	2411	447	1892	1886	2200	640	
	124	2424	512	1823	1808	2172	637	
24.4	125	2440	461	1489	1511	2183	633	
	126	2451	689	1913	1937	2116	620	
24.6	127	2467	709	1956	1960	2102	628	
	128	2470	1089	1982	1983	2143	621	
24.8	129	2490	465	1890	1940	2152	628	
	130	2488	889	1701	1722	2123	617	
	131	2492	950	1768	1770	2130	632	
	132	2488	1020	1838	1832	2112	619	
	133	2479	1027	1777	1750	2117	618	
25.0	134	2509	1028	1898	1904	2127	611	
25.4	135	2540	683	1847	1863	2128	619	
	136	2547	849	1938	1980	2097	620	
25.6	137	2554	470	1834	1857	2150	622	
	138	2542	512	1928	1942	2140	627	
	139	2508	708	1893	1868	2123	617	
	140	2558	889	1752	1756	2083	618	
	141	2562	920	1964	1950	2101	613	
25.8	142	2590	737	1870	1897	2089	618	
	10	2000	850	761	—	2051	623	505
	1	1704	625	1149	—	2122	613	
	2	—	—	1280	—	2119	607	

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1932phae.proj.1285M

Cl.-Dk.	Mean Diff.-Dk.	Red. Diff.	Mag.	Remarks
1540	1063	691	673	
1557	1341	861	841	
1532	1101	720	701	
1516	1334	881	off curve	
1503	674	447	525	
1501	1016	675	713	
1522	1012	665	707	
1560	1249	800	812	
1535	1179	767	784	
1550	867	560	622	
1496	1305	873	off curve	
1474	1330	903	off curve	
1522	1361	895	off curve	
1524	1287	843	850	
1506	1099	730	753	
1498	1137	760	779	
1493	1216	814	826	
1499	1146	765	773	
1516	1290	851	854	
1509	1236	819	828	
1477	1339	905	off curve	
1528	1224	803	833	
1513	1308	864	off curve	
1506	1263	840	~~?~~ 845	
1465	1136	775	790	
1488	1344	904	off curve	
1471	1266	861	off curve	
1428	138	97	—	
1509	536	356	—	
1512	673	445	—	

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1932phae.proj.1285M

XJP - RY 3870 - April 5, 1932.

Strip	Star	y	x	dyff	dyff	cc	Dk	Volts
Plate finished	3	—	—	1372	—	2121	610	
	4	—	—	1403	—	2148	609	
	5	—	—	1496	—	2148	606	
	6	—	—	1684	—	2128	612	
	7	—	—	1662	—	2122	613	
	8	—	—	1873	—	2142	612	

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1932phae.proj.12857

Q.-Dk	Mean Defl.-Dk.	Red. Defl.	Mag	Remarks
1511	762	505	—	
1539	794	575	—	
1542	890	577	—	
1516	1072	707	—	
1509	1049	695	—	
1530	1261	825	—	

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1932phae.proj.1285M

Klp- R4 850- April 6, 1932.

Strip	Star	y	x	Diff	Diff	Cl	Dk	Volts
Note order	1	2030	849	760	—	2522	589	510
	14	2027	662	663	—	2463	601	
	2	—	—	1006	—	2452	602	
	3	—	—	1063	—	2460	610	
	4	—	—	1107	—	2507	603	
	5	—	—	1456	—	2467	614	
	6	—	—	1842	—	2520	617	
	7	—	—	1871	—	2543	613	
	8	—	—	2197	—	2472	613	
14.6	↓1	1465	668	2103	2139	2458	613	
	↓2	1461	849	2328	2280	2550	616	
14.8	↓3	1481	873	2256	2240	2532	630	
15.2	↓4	1530	607	2150	2170	2482	638	
	↓5	1534	668	2108	2137	2520	628	
15.4	↓6	1549	377	1918	1902	2488	620	
	↓7	1544	531	2080	2067	2519	627	
	↓8	1537	537	2161	2232	2526	638	
15.8	↓9	1580	1097	1800	1746	2587	633	
16.0	↓10	1597	1047	2251	2271	2571	638	
	↓11	1611	1198	2154	2160	2580	642	
16.2	↓12	1621	442	1912	1990	2467	641	
	↓13	1621	509	2004	1926	2461	642	
	↓14	1620	795	1430	1427	2472	637	
16.4	↓15	1651	675	1101	1032	2461	640	
16.6	↓16	1662	513	2030	1972	2450	640	
	↓17	1671	822	1744	1772	2502	632	
16.8	↓18	1690	654	2292	2264	2463	632	
	↓19	1678	889	1856	1842	2518	618	
	↓20	1677	918	2347	2296	2558	639	
17.0	↓21	1708	513	1277	1177	2372	650	

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1932phae.proj.12857

Cl-Dk	Mean Defl-Dk	Red Defl	Mag	Remark
1933	161	83	—	
1862	62	34	—	
1850	404	218	—	
1850	393	213	—	
1904	504	263	—	
1853	842	455	—	
1903	1225	643	—	
1930	1258	653	—	
1859	1584	853	—	
1845	1533	831	822 ✓	
1934	1688	873	850 ✓	
1902	1618	850	834 ✓	
1844	1522	826	818 ✓	
1892	1494	789	797 ✓	
1868	1290	690	747+ ✓	outside circle ✓
1892	1447	764	783 ✓	
1885	1558	825	818 ✓	
1954	1140	584	703 ✓	
1933	1623	840	827 ✓	
1938	1515	783	793 ✓	
1826	1310	717	760 ✓	
1819	1322	726	765 ✓	
1835	791	432	650 ✓	
1821	426	234	578 ✓	
1810	1381	764	783 ✓	
1870	1126	603	708 ✓	
1831	1646	898	off curve ✓	
1900	1229	646	727 ✓	
1919	1683	878	854 ✓	
1722	577	396	619 ✓	

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1932phae.proj.1285M

Mt. M — RH 850 — April 6, 1932

Strip	Star	y	x	Dcfl.	Dcfl	Cl.	Dk.	volt
	22	1713	720	1717	1724 scratch through	2568	648	
	23	1707	1309	2179	2060 image	2579	659	
17.2	24	1725	817	869	899	2532	653	
	25	1726	570	1992	1961	2501	661	
17.4	26	1750	982	1942	1922	2538	652	
	27	1738	1318	2179	2168	2588	658	
17.6	28	1760	206	1907	1919	2491	659	
	29	1777	593	1881	1920	2495	664	
	30	1771	1132	2189	2202	2549	662	
	31	1773	1281	2169	2147	2608	663	
18.0	32	1800	582	2082	2042	2522	672	
18.2	33	1821	1190	2248	2191	2599	666	
	34	1825	1363	1397	1336	2611	659	
18.8	35	1898	281	706	722	2538	659	
	36	1893	687	1683	1647	2528	653	
	37	1883	856	2142	2097	2548	658	
19.0	38	1909	439	1152	1109	2473	649	
	39	1901	458	2056	1981	2553	653	
	40	1910	563	1781	1800	2529	657	
	41	1911	831	1167	1182	2543	648	
19.2	42	1930	152	891	902	2488	641	
	43	1929	842	1343	1280	2547	638	
	44	1928	1102	2131	2133	2548	641	
19.4	45	1950	811	2053	2088	2522	640	
	46	1944	879	2009	1941	2551	643	
19.6	47	1960	229	852	881	2482	639	
	48	1958	660	1399	1402	2572	643	
20.0	49	2018	244	1833	1879	2489	650	
	50	2003	966	2152	2009	2562	662	
	51	2016	1378	1318	1290	2552	650	

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1932phae.proj.128CM

Cl.-Dk	Mean Depl-Dk	Red Depl	Mag.	Remarks
1920	1072	558	693	
1920	1460	760	782	
1879	231	123	483	
1840	1311	714	75-8	
1906	1280	672	738	
1930	1516	785	795-	
1832	1254	684	744+	outside circle
1831	1241	677	740	
1937	1533	791	798	
1945	1495	768	785-	
1850	1390	752	776	
1933	1553	804	805-	
1952	707	362	628	
1879	55	29	offcenter	too bright
1875	1012	540	686	
1890	1461	774	788-	
1824	481	264	5-93-	
1900	1365	718	762	
1872	1133	605	709	
1895	526	278	5-99	
1847	255	138	503+	outside circle
1909	674	353	624	
1907	1491	784	794	
1882	1430	760	782	
1908	1332	700	75-2	
1843	227	123	483*	outside circle
1929	757	393	636	
1839	1206	656	732+	outside circle
1900	1418	745	774	
1902	654	344	622	

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1932phae.proj.1285M

Mgt - RA 850 - April 6, 1932.

Strip	Star	y	x	Deff.	Deff.	Cl.	Db.	volt.
20.2	52	2031	526	2177	2178	2448	663	510
	53	2019	990	1363	1362	2554	663	
	54	2030	1130	1522	1498	2573	669	
	55	2018	1379	1558	1598	2593	661	
20.4	56	2031	796	2158	2187	2538	667	
20.6	57	2060	284	1251	1128	2473	658	
	58	2061	543	2068	1948	2467	668	
20.8	59	2087	257	2212	2232	2473	660	
	60	2081	674	1327	1324	2447	663	
	61	2091	1009	2273	2223	2553	671	
	62	2090	1090	1812	1792	2562	663	
21.0	63	2114	513	1077	1012	2487	678	
21.2	64	2127	292	2203	2143	2512	674	
21.4	65	2143	667	1920	1912	2470	669	
	66	2156	992	2019	2290	2538	672	
21.6	67	2171	378	2230	2183	2440	673	
	68	2157	686	2083	2111	2497	670	
	69	2162	640	2057	2020	2450	673	
21.8	70	2189	537	2260	2213	2476	667	
	71	2191	983	2013	2042	2543	673	
22.0	72	2201	389	2162	2131	2479	673	
	73	2199	639	1922	1880	2443	665	
22.2	74	2220	1008	1922	2000	2548	662	
22.4	75	2233	370	2290	2162	2462	663	
	76	2239	1093	1484	1450	2549	673	
22.6	77	2270	219	2035	2063	2487	671	
22.8	78	2288	763	2302	2209	2520	680	
23.2	79	2322	499	2038	2045	2477	683	
	80	2322	635	964	902	2492	672	
	81	2329	1229	2162	2152	2488	673	

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1932phae.proj.12857

Cl.-Db.	Mean Dist-ok	Red Dist	Mag.	Remarks
1785	1509	845	830 ✓	
1891	699	370	630 ✓	
1904	839	441	653 ✓	
1932	917	475	664 ✓	
1871	1505	804	805 ✓	
1815	529	292	603 *	outside circle
1799	1340	745	774 ✓	
1803	1562	866	845 *	outside circle
1784	663	372	631 ✓	
1882	1577	836	825 ✓	
1899	1139	599	706 ✓	
1809	366	203	559 ✓	
1838	1499	815	813 ✓	
1801	1247	691	747 ✓	
1866	1632	875	852	
1767	1533	868	847 ✓	
1827	1427	780	792 ✓	
1777	1365	768	785 ✓	
1809	1569	866	846 ✓	
1870	1355	725	765 ✓	
1806	1473	815	813 ✓	
1778	1236	695	749 ✓	
1886	1299	688	746 ✓	
1799	1563	870	848 ✓	
1876	794	424	647 ✓	
1816	1378	758	780 *	outside circle
1840	1575	855	837 ✓	
1794	1359	757	780 ✓	
1820	261	143	505 ✓	
1815	1484	818	814 ✓	

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1932phae.proj.1285M

XJP - RH 850 - April 6, 1932

Strip	Star	Ny	X	Dyf	Dyf	Ce	Dk	Volts
23.4	82	2350	768	1920	1894	2527	680	
	83	2348	1093	2087	2173	2559	672	
23.6	84	2360	926	1897	1906	2573	673	
	85	2370	1091	1873	2000	2547	667	
	86	2372	1171	2328	2290	2567	668	
24.0	87	2400	989	1660	1662	2538	672	
	88	2410	1018	2113	2113	2523	671	
	89	2410	1036	1450	1308	2514	668	
	90	2410	1109	1298	1296	2510	660	
24.6	91	2460	688	1520	1490	2443	666	
24.8	92	2483	904	977	900	2463	663	
25.2	93	2520	631	2200	2183	2447	672	
25.4	94	2550	962	2126	2170	2489	670	
Plate	1	2027	662	789	—	2465	660	
Trouble	2	2350	849	843	—	2513	661	
	3	—	—	938	—	2428	662	
	4	—	—	1102	—	2450	660	
	5	—	—	1103	—	2443	662	
	6	—	—	1390	—	2437	661	
	7	—	—	1802	—	2510	672	
	8	—	—	1920	—	2501	657	
		—	—	2158	—	2430	670	510

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1932phae.proj.1285M

Cl–Dk	Mean Defl-Dk	Red Defl	Mag	Remarks
1847	1227	664	734 ✓	
1887	1558	825	818 ✓	
1900	1229	646	727 ✓	
1880	1269	674	739 ✓	
1899	1641	865	845 ✓	
1866	989	530	683 ✓	
1852	1442	778	792 ✓	
1846	711	385	634 ✓	
1850	637	345	623 ✓	
1777	839	473	663 ✓	
1800	273	152	516 ✓	
1775	1520	856	839 +	outside circle
1819	1478	814	812 +	# #
1805	129	72	—	
1852	182	98	—	
1766	276	156	—	
1790	442	247	—	
1811	441	243	—	
1776	729	410	—	
1838	1130	614	—	
1844	1263	685	—	
1760	1488	844	—	

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1932phae.proj.12857

m. m. – RH 851 – april 7, 1932.

Stig	Stm	y	x	Defl.	Defl.	Cl.	Dk.	volt	
	1s	2021	649	1073	—	2552	580	5.42	
	1	2330	841	1322	—	2498	581		
	2	—	—	1467	—	2551	577		
	3	—	—	1700	—	2549	572		
	4	—	—	1652	—	2493	567		
	5	—	—	1822	—	2518	537		
	6	—	—	2091	—	2546	569		
	7	—	—	2129	—	2523	571		
	8	—	—	2352	—	2560	607		
14.8	✓1	1481	651	2358	2329	2538	598		
15.0	✓2	1001	848	2369	2328	2523	615		
15.4	✓3	1552	521	2363	2348	2540	612		
	✓4	1545	591	2368	2325	2567	608		
	✓5	1551	651	2231	2252	2548	618		
15.6	✓6	1561	360	2212	2223	2582	639		
	✓7	1559	573	2389	2343	2601	632		
16.0	✓8	1614	1080	2398	2373	2589	613		
	✓9	1601	1080	2118	2113	2581	623		
16.2	✓10	1636	426	2316	2329	2566	619		
	✓11	1638	492	2322	2339	2625	624	Occasional	
	✓12	1631	1181	2334	2328	2591	625	hammering	
16.4	✓13	1639	779	1989	1971	2608	621	overhead.	
16.6	✓14	1669	658	1732	1701	2588	623		
16.8	✓15	1679	496	2351	2348	2589	628		
	✓16	1691	803	2152	2162	2603	615		
	✓17	1696	871	2187	2209	2593	571		
17.2	✓18	1722	497	1878	1862	2618	622		
	✓19	1732	700	2133	2117	2628	622		
	✓20	1729	1292	2325	2342	2631	633		
17.4	21	1740	449	1623	1602	2639	637		

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1932phae.proj.12857

Cl-Dk	Mean Dep't.-Dk	Red Dep't	Mag	Remarks
1972	493	250	—	
1917	741	387	—	
1974	890	453	—	
1977	1128	571	—	
1926	1085	563	—	
1967	1271	647	—	
1977	1522	771	—	
1952	1558	797	—	
1953	1745	892	—	
1940	1746	900	843	
1908	1733	910	856	
1928	1743	905	851	
1959	1738	885	825	
1930	1624	841	775	
1943	1577	811	748	
1969	1734	880	818	
1976	1773	898	842	
1958	1792	763	712	
1947	1703	875	813	
2001	1706	851	786	
1966	1706	868	805	
1987	1359	684	661	
1965	1093	556	586	
1961	1722	878	817	
1988	1542	776	723	
2022	1627	805	744	
1996	1248	625	626	
2006	1503	749	703	
1998	1701	853	788	
2002	975	486	548	

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1932phae.proj.12857

M. M. — RH85 — April 7, 1932.

Strip	Star	y	x	Dcl.	Dcl.	α	Δt.	volt
	22	1743	491	2339	2320	2648	637	
17.6	23	1770	189	2311	2318	2611	633	
	24	1771	966	2287	2271	2640	635	
17.8	25	1794	577	2287	2251	2628	648	
	26	1793	1113	2427	2417	2628	656	
	27	1795	1263	2343	2379	2603	636	
18.0	28	1818	563	2413	2394	2712	647	
18.4	29	1843	1172	2469	2436	2678	652	
	30	1850	1344	1902	1918	2660	642	
18.6	31	1861	210	2400	2364	2678	649	
19.0	32	1910	761	1236	1242	2637	647	
	33	1911	668	2099	2081	2639	652	
	34	1902	838	2379	2368	2613	652	
	1s	2021	649	1107	—	2631	662	
	1	2330	841	1370	—	2593	653	
	2	—	—	1579	—	2672	659	
	3	—	—	1769	—	2649	660	
	4	—	—	1729	—	2601	667	
	5	—	—	1998	—	2642	670	
	6	—	—	2200	—	2664	666	
	7	—	—	2261	—	2668	670	
	8	—	—	2452	—	2687	669	5.38

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1932phea.proj..128SM

C-Dk	Mean Dif-Dk.	Red Dif	Mag	Remarks
2011	1693	843	777 ✓	
1978	1681	851	786 ✓	
2005	1644	820	756 ✓	
1980	1621	820	756 ✓	
1972	1766	895	838 ✓	
1967	1725	877	815 ✓	
2065	1757	850	785 ✓	
2026	1800	890	832 ✓	
2018	1268	628	628 ✓	
2029	1730	855	792 ✓	
1990	592	298	366 ✓	
1987	1438	724	685 ✓	
1961	1722	878	817 ✓	
1969	445	226	—	
1940	717	368	—	
2013	860	425	—	
1989	1109	558	—	
1934	1062	550	—	
1972	1328	672	—	
1998	1534	768	—	
1998	1591	800	—	
2018	1783	885	—	

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1932phae.proj.1285M

α Jp – R.A. 851 – April 7, 1932

Strip	Star	y	x	Dyll	Dyll	cl	Dk	Volts
	1s	2022	697	1152	–	2419	603	525
	1	2331	891	1458	–	2433	609	
	2	–	–	1588	–	2453	623	
	3	–	–	1741	–	2477	616	
	4	–	–	1740	–	2427	624	
	5	–	–	2003	–	2471	623	
	6	–	–	2152	–	2506	627	
	7	–	–	2171	–	2483	630	
	8	–	–	2323	–	2480	638	
19.2	✓35	1923	467	1907	1891	2488	648	
	✓36	1919	484	2321	2284	2493	652	
	✓37	1929	592	2200	2176	2501	653	
	✓38	1930	859	1956	1943	2504	663	
	✓39	1919	1394	2377	2380	2504	668	
19.4	✓40	1938	419	2304	2270	2503	670	
	✓41	1960	870	2010	1932	2520	675	
	✓42	1950	1132	2330	2330	2528	672	
19.6	✓43	1975	257	1610	1470	2488	670	
	✓44	1958	537	2288	2263	2450	672	
	✓45	1977	688	1932	1932	2450	669	
	✓46	1970	837	2218	2223	2440	670	
	✓47	1962	907	2207	2162	2427	672	
	✓48	1967	932	2308	2253	2463	673	
	✓49	1970	1157	2343	2340	2452	668	
	1s	2022	697	1042	–	2453	676	
	1	2331	891	1352	–	2450	668	
	2	–	–	1537	–	2378	667	
	3	–	–	1690	–	2423	664	
	4	–	–	1700	–	2380	672	
	5	–	–	1983	–	2450	668	

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1932phae.proj..128M

C–Ok	Mean Deff–Ok	Red Diff	Mag	Remarks
1816	549	303	—	
1824	849	466	—	
1850	985	533	—	
1861	1125	604	—	
1803	1116	618	—	
1848	1380	747	—	
1879	1525	812	—	
1853	1541	832	—	
1842	1685	913	—	
1845	1256	680	626 ✓	
1841	1650	895	825 ✓	
1848	1535	830	748 ✓	
1841	1287	699	639 ✓	
1836	1710	932	off curve +	
1833	1617	881	806 ✓	
1845	1296	702	641	
1856	1658	894	824 ✓	
1818	940 or 800	518 or 440	524 or 476	?
1778	1600	900	832 ✓	
1781	1263	709	646 ✓	
1770	1550	875	801 ✓	
1755	1512	862	783 ✓	
1740	1607	924	off curve ✓	
1784	1684	944	off curve ✓	
1777	366	206	—	
1732	684	395	—	
1711	870	508	—	
1759	1026	584	—	
1708	1028	602	—	
1782	1315	737	—	

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1932phae.proj.12851

NGP-R # 851- April 8, 1932.

	6	–	–	2068	–	2738	682	0-20
	7	–	–	2113	–	2750	682	
	8	–	–	2267	–	2772	681	
	1s	2122	638	1304	–	2814	670	520
	1	2331	832	1657	–	2800	682	
	2	–	–	1780	–	2867	693	
	3	–	–	1993	–	2880	698	
	4	–	–	1897	–	2828	701	
	5	–	–	2274	–	2902	703	
	6	–	–	2482	–	2916	713	
	7	–	–	2533	–	2891	703	
	8	–	–	2688	–	2887	703	
19.8	50	1990	980	2743	2730	2860	726	
20.2	51	2031	813	2602	2448	2922	719	
	52	2026	936	2643	2633	2911	727	
20.4	53	2050	493	2723	2672	2890	729	
	54	2050	762	2693	2680	2893	740	
	55	2039	958	2176	2220	2909	739	
	56	2051	1098	2293	2123	2961	737	
	57	2040	1347	2150	2038	2900	729	
20.6	58	2072	1052	2013	1951	2933	742	
	1s	2022	638	1347	–	2902	732	
	1	2331	832	1538	–	2863	728	520
	2	–	–	1723	–	2923	722	
	3	–	–	1968	–	2903	738	
	4	–	–	1892	–	2877	747	
	5	–	–	2246	–	2923	738	
	6	–	–	2453	–	2921	757	
	7	–	–	2053	–	2928	758	
	8	–	–	2677	–	2913	752	

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1932phae.proj.12851

α - Dk	Mean Dec - Dk	Red Dec	Mag.	Remarks
1756	1386	490	—	
1768	1431	811	—	
1791	1586	885	—	
2144	634	295	—	
2118	975	462	—	
2174	1037	477	—	
2187	1300	597	—	
2127	1196	562	—	
2199	1571	716	—	
2203	1769	802	—	
2188	1830	835	—	
2184	1985	907	—	
2137	2013	944	off curve ✓	
2203	1883 or 1729	855 or 784	774 or 713 ✓	?
2184	1911	875	795 ✓	
2161	1969	910	834 ✓	
2153	1946	904	825 ✓	
2170	1459	672	633 ✓	
2164	1441	666	629 ✓	
2171	1365	629	605 ✓	
2191	1240	566	571 ✓	
2170	615	283	—	
2135	810	380	—	
2201	1001	455	—	
2165	1230	567	—	
2130	1145	538	—	
2195	1508	686	—	
2177	1703	783	—	
2178	1763	810	—	
2161	1925	908	—	

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1932phae.proj.1285N

Kyp- RH851- April 9, 1932.

Strip	Star	Y	X	Dyff	dyff	Cc	Dk	Volts
	11	2021	665	993	—	2528	630	520
	1	2331	858	1292	—	2565	639	
	2	—	—	1452	—	2677	647	
	3	—	—	1728	—	2652	651	
	4	—	—	1540	—	2597	653	
	5	—	—	2014	—	2598	658	
	6	—	—	2143	—	2648	658	
	7	—	—	2217	—	2656	659	
	8	—	—	2350	—	2573	651	
20.8	59	2079	539	2178	2168	2572	667	
21.0	60	2100	251	2380	2374	2553	667	
	61	2100	670	1708	1720	2597	673	
	62	2100	1000	2408	2396	2567	687	
	63	2111	1003	2390	2362	2570	677	
	64	2110	1086	2083	2067	2533	683	
21.2	65	2130	510	1493	1423	2602	679	
21.4	66	2140	187	2416	2362	2587	682	
21.6	67	2170	381	2309	2319	2623	682	
	68	2161	661	2252	2180	2553	700	
21.8	69	2180	634	2310	2263	2592	682	
22.0	70	2211	978	2194	2178	2540	698	
22.2	71	2214	634	2253	2240	2580	703	
22.4	72	2251	972	2382	2370	2552	691	
	73	2240	1003	2128	2127	2547	702	
22.6	74	2260	1087	1844	1783	2533	683	
22.8	75	2280	212	2312	2347	2562	673	
23.0	76	2308	378	2292	2265	2592	699	
	77	2306	748	2382	2352	2576	708	
23.4	78	2340	492	2419	2403	2662	703	
	79	2340	628	1314	1387	2633	708	

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1932phae.proj.1285w

cl-Dk	mean Dyf-Dk	Red Dyf	Mag.	Remarks
1898	363	192	—	
1926	653	338	—	
2030	805	396	—	
2001	1077	536	—	
1944	887	457	—	
1940	1356	699	—	
1990	1485	747	—	
1997	1558	780	—	
1922	1699	884	—	
1905	1506	790	735 ✓	
1886	1710	906	842 ✓	
1924	1041	542	596 ✓	
1880	1695	900	834 ✓	
1893	1699	895	828 ✓	
1850	1392	753	705 ✓	
1923	779	405	515 ✓	
1905	1707	895	828 ✓	
1941	1632	842	775 ✓	
1853	1516	818	756 ✓	
1910	1604	840	774 ✓	
1842	1488	806	747 ✓	
1877	1543	824	762 ✓	
1861	1685	905	840 ✓	
1845	1426	774	723 ✓	
1850	1131	612	626 ✓	
1889	1657	876	808 ✓	
1893	1579	834	768 ✓	
1868	1659	888	820 ✓	
1959	1708	871	804 ✓	
1925	642	334	448 ✓	

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1932phae.proj.12851

KJP - RH 851 - April 9, 1932.

Strip	Star	y	x	xleft	xright	Ce	Dk	Volts
	80	2340	1100	2392	2372	2600	720	
	81	2351	1222	2200	2324	2588	713	
23.6	82	2370	761	2183	2177	2618	719	
	83	2368	1084	2292	2212	2558	718	
23.8	84	2380	917	2107	2082	2587	723	
"	85	2391	1084	2088	2097	2546	721	
24.2	86	2418	981	1981	1987	2517	732	
	87	2430	1010	2226	2218	2550	731	
	88	2430	1028	1775	1794	2507	716	
	89	2431	1101	1680	1703	2450	704	
24.6	90	2478	679	1960	1881	2497	726	
25.0	91	2502	894	1572	1570	2458	727	
25.6	92	2570	952	2343	2287	2576	718	
	1	2021	665	1099		2492	719	520
Plate	1	2331	858	1264	—	2458	731	
	2	—	—	1472	—	2622	737	
	3	—	—	1676	—	2630	737	
Funder	4	—	—	1582	—	2560	712	
	5	—	—	1993	—	2615	728	
	6	—	—	2106	—	2603	718	
	7	—	—	2189	—	2578	713	
	8	—	—	2402	—	2576	693	

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1932phae.proj.12851

Cl-Dk	Mean Dept-Dk	Red Dept	Mag.	Remarks
1880	1662	885	818 ✓	
1870	1574	842	775 ✓	
1894	1461	772	720	
1845	1539	834	768 ✓	
1864	1371	736	695 ✓	
1825	1369	750	704 ✓	
1785	1252	702	672 ✓	
1819	1489	818	756	
1791	1078	601	623 ✓	
1746	1012	580	614 ✓	
1774	1197	675	656 ✓	
1723	814	473	559 ✓	
1798	1597	887	820 ✓	
1773	380	214	—	
1722	533	310	—	
1885	735	390	—	
1893	939	496	—	
1848	870	472	—	
1892	1270	671	—	
1885	1438	761	—	
1865	1476	791	—	
1883	1709	907	—	

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1932phae.proj.1285M

WJP-RN 3825 - April 11, 1932.

Remeasured strips 20.4 - 21.4

Strip	Star	Y	X	Defl	Defl-Ce	Dk	Totals
	18	1930	872	787	—	1779	598	510
	1	2130	565	1123	—	1852	592	
	2	—	—	1273	—	1830	592	
	3	—	—	1322	—	1782	611	
	4	—	—	1404	—	1836	593	
	5	—	—	1438	—	1792	613	
	6	—	—	1483	—	1797	617	
	7	—	—	1518	—	1807	602	
	8	—	—	1603	—	1779	595	
20.4		2049	618	1623	1650	1823	592	
		2043	671	1706	1700	1782	602	
		2050	963	1319	1244	1770	593	
		2048	1171	1018	1017	1772	602	
		2047	1218	1492	1453	1789	593	
		2047	1301	1069	1020	1782	588	
		2054	1324	1520	1513	1773	581	
20.6		2068	218	1660	1652	1812	598	
		2071	313	1647	1643	1782	597	
		2070	324	1012	1442	1780	582	
		2078	462	1120	1007	1792	591	
		2070	688	1612	1593	1767	598	
		2067	800	1600	1627	1782	588	
		2063	847	1295	1278	1739	577	
		2074	869	1529	1474	1728	592	
		2070	923	1368	1306	1733	583	
		2064	963	1523	1056	1732	582	
		2071	1032	1390	1366	1721	580	
		2069	1039	1733	1422	1693	603	
		2068	1208	1610	1077	1738	573	
20.8		2078	463	1097	1013	1747	592	

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1932phae.proj.12850

Cl. -Db.	mean Dyf.-Dk	Red. Dyf.	Mag	Remarks
1181	189	160	—	
1260	531	423	—	
1238	681	555	—	
1171	711	607	—	
1240	811	655	—	
1179	825	703	—	
1180	866	735	—	
1205	916	762	—	
1184	1008	850	—	
1231	1044	846	814	
1180	1126	955	off curve	
1177	689	585	5-5-5	
1170	916	785	748	
1196	879	735	695	
1194	962	806	770	
1192	935	785	748	
1224	1057	863	834	
1185	1058	892	off curve	
1198	895	747	706	
1201	423	352	393	
1169	904	773	734	
1144	1026	896	off curve	
1162	707	608	574	
1136	908	800	764	
1150	779	678	638	
1150	958	832	798	
1141	798	699	656	
1090	825	756	717	
1165	1031	885	off curve	
1155	463	401	424	

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1932phae.proj.12850

KP - RH 3825 - April 11, 1932 ..

Strip	Star	y	x	Diff	Diff	cc	Volts
		2080	462	1932	1452	1760	590
		2088	627	1566	1572	1738	612
		2090	747	1578	1596	1684	602
		2090	877	1583	1582	1706	633
21.0		2101	422	1510	1498	1732	613
		2102	553	1554	1543	1728	600
		2111	647	1626	1617	1744	621
		2120	787	1658	1628	1732	620
		2100	883	1639	1633	1729	624
		2111	1000	1592	1603	1712	637
		2100	1026	1484	1476	1767	609
21.2		2138	254	1538	1510	1812	662
		2117	907	1522	1530	1843	676
		2130	934	1666	1667	1803	660
		2126	353	1640	1602	1787	648
		2121	366	1602	1607	1803	657
		2132	444	1646	1605	1758	643
		2117	497	1561	1514	1811	647
		2127	802	1647	1653	1758	650
		2129	1067	1632	1614	1800	663
21.4		2139	592	1502	1482	1827	662
		2148	649	1634	1633	1780	652
		2150	1123	1702	1673	1791	667
		2138	1167	1692	1674	1778	668
		2157	1170	1675	1650	1803	678
	1a	1930	872	902	—	1758	706
	1	2130	565	1172	—	1846	679
	2	—	—	1810	—	1802	667
	3	—	—	1870	—	1792	711
	4	—	—	1456	—	1839	700

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1932phae.proj.12859

Cl–Dk	Mean Defl–Dk	Red Defl	Mag.	Remarks
1170	802	686	645	
1126	955	850	820	
1082	985	911	off curve	
1070	949	886	off curve	
1119	891	796	758	
1128	948	842	810	
1120	1001	895	off curve	
1112	1023	920	off curve	
1105	1012	916	off curve	
1075	961	895	off curve	
1108	819	740	698	
1150	862	750	710	
1167	850	728	688	
1143	1006	880	855	
1139	973	855	826	
1146	947	827	795	
1115	982	882	856	
1164	891	766	727	
1108	1000	904	off curve	
1137	960	845	814	
1165	830	714	673	
1128	982	872	846	
1124	1021	910	off curve	
1110	1015	915	off curve	
1122	984	876	850	
1052	196	186	—	
1177	493	419	—	
1135	643	566	—	
1081	659	608	—	
1139	756	665	—	

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1932phae.proj.1285M

Strip	Star	y	x	Defl	Defl	Ce	Ck Volts	
	5	—	—	1498	—	1810	708	
	6	—	—	1518	—	1826	700	
	7	—	—	1532	—	1829	704	
	8	—	—	1688	—	1840	712	510
	R.S.R – R.H. 3518 – April 12, 1932							
	15	1959	764	1193	—	2255	647	5.31
	1	2061	416	1584	—	2246	653	
	2	—	—	1723	—	2234	658	
	3			1800	—	2218	653	
	4			1810	—	2218	666	
	5			1943	—	2246	662	Galvanometer rather erratic
	6			2014	—	2207	672	
	7			2052	—	2213	662	
	8			2133	—	2208	668	
14.4	1	1440	618	1888	1886	2222	652	
	2	1448	757	2145	2148	2228	648	
14.8	3	1483	644	2078	2081	2228	633	
	4	1496	958	2085	2120	2220	634	
	5	1490	736	1973	1958	2192	642	
15.4	6	1543	607	2050	2063	2196	635	
	7	1549	897	2098	2083	2189	626	
	8	1556	467	2092	2074	2159	625	
15.6	9	1570	775	2032	2009	2140	612	
15.8	10	1588	550	1840	1853	2163	618	"
	11	1589	909	2070	2073	2190	638	
	12	1585	1130	1947	1942	2200	612	
16.0	13	1612	364	1987	2022	2150	613	
	14	1618	518	2045	2050	2128	612	
	15	1611	722	1992	1982	2120	610	
16.2	16	1628	771	2023	2020	2122	616	5.28

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1932phae.proj..1285ll

C-Dk	Mean Defl. Dk	Red Defl	Mag	Remarks
1102	790	717	—	
1126	818	726	—	
1125	828	736	—	
1128	976	865	—	
1608	546	340	—	
1593	931	584	—	
1576	1065	675	—	
1565	1147	732	—	
1552	1144	737	—	
1584	1281	810	—	
1535	1342	875	—	
1551	1390	896	—	
1540	1465	952	—	
1570	1235	785	641 ✓	
1580	1498	946	848 ✓	
1590	1447	910	792 ✓	
1586	1474	930	823 ✓	
1550	1314	848	706 ✓	
1561	1421	911	792 ✓	
1563	1464	935	830 ✓	
1534	1458	950	855 ✓	
1528	1411	925	815 ✓	
1545	1228	794	648 ✓	
1552	1434	924	811 ✓	
1588	1332	840	698 ✓	
1537	1491	970	off curve ✓	
1516	1446	954	off curve ✓	
1510	1377	911	792 ✓	
1506	1406	934	828 ✓	

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1932phae.proj.1285M

P.S.R. - R.A. 3518 — april 12, 1932

Strip	Star	y	x	Dyff	Dyff.	Cl	Llk	Volts
16.2 (cont.)	17	1623	894	2022	2030	2136	613	5.28
	18	1621	998	1860	1867	2128	608	
	19	1635	490	2041	2039	2118	607	
	20	1639	1180	1909	1891	2170	611	
	15	1958	764	1085	—	2108	611	
	1	2060	416	1408	—	2088	613	
	2	—	—	1607	—	2123	625	
	3	—	—	1647	—	2087	630	
	4	—	—	1656	—	2116	630	
	5	—	—	1816	—	2158	638	
	6	—	—	1902	—	2150	642	
	7	—	—	1930	—	2162	657	
	8	—	—	2070	—	2172	673	5.27
		ZJP - R.A.		3518 - April 12, 1932				
	14	1960	812	1032	—	1987	562	515
	1	2061	467	1288	—	2017	572	
	2	—	—	1562	—	1997	584	
	3	—	—	1631	—	2037	602	
	4	—	—	1577	—	2037	592	
	5	—	—	1713	—	2032	599	
	6	—	—	1772	—	2027	592	
	7	—	—	1808	—	2036	582	
	8	—	—	1932	—	2009	587	
16.4	21	1600	644	1948	1957	2046	600	
	22	1600	852	1902	1909	2028	600	
	23	1640	1220	1822	1800	2100	589	
16.6	24	1658	512	1908	1954	2070	602	
	25	1676	577	1978	1990	2076	610	
	26	1673	943	2021	2014	2104	609	
16.8	27	1693	409	2024	2009	2077	603	

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19332phae.proj.1285

Cl-Obs	Mean Dept-Obs	Rel Dept		Remarks
1523	1413	929	819 ✓	
1520	1256	826	681 ✓	
1511	1433	949	851 ✓	
1559	1389	890	760 ✓	
1497	774	317	—	
1475	785	539	—	
1498	972	656	—	
1457	1017	698	—	
1486	1026	689	—	
1520	1178	775	—	
1508	1260	836	—	
1505	1273	845	—	
1499	1397	932	—	
1425	470	331	—	
1445	716	495	—	
1413	978	692	—	
1435	1029	716	—	
1445	985	682	—	
1433	1114	778	—	
1435	1180	822	—	
1454	1226	843	—	
1422	1345	945	—	
1446	1352	935	830 ✓	
1428	1306	915	807 ✓	
1511	1222	808	700 ✓	
1468	1354	924	818 ✓	
1466	1374	936	830 ✓	
1495	1409	942	840 ✓	
1474	1413	960	858 ✓	

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1932phae.proj.12850

Kap - R.A. 3518 - April 12, 1932.

Strip	Star	y	x	Diff	Diff	ce	Dk	Volts
	28	1680	607	1623	1683	2058	591	
	29	1674	945	1989	2002	2097	598	
17.0	30	1699	361	1927	1971	2067	590	
	31	1698	407	1912	1950	2043	599	
	32	1711	621	1850	1839	2012	598	
	33	1700	1011	1632	1622	2034	593	
	34	1713	1134	1932	1929	2032	601	
17.2	35	1730	619	1603	1633	1993	590	
	36	1723	696	1659	1673	2011	578	
	37	1731	699	1920	1928	2000	580	
	38	1731	699	1918	1920	2006	583	
	39	1722	888	1713	1696	2007	585	
	40	1721	946	1804	1816	2009	583	
	41	1736	1230	1960	1967	1992	587	
17.4	42	1741	357	1973	1973	2096	599	
	43	1750	1169	1843	1832	2112	594	
	44	1747	1254	1987	1990	2057	603	
	45	1733	1288	1999	2003	2103	603	
17.6	46	1766	450	1922	1920	2050	590	
	47	1768	952	1944	1963	2050	593	
17.8	48	1779	393	1902	1892	2011	598	
	49	1788	371	1863	1869	2013	597	
	50	1790	433	1893	1897	2038	603	
	51	1780	672	1843	1888	2052	597	
	52	1780	973	1873	1921	2081	588	
	53	1792	1203	1757	1750	2102	607	
18.0	54	1807	482	1433	1469	2047	590	
	55	1801	879	1844	1800	1991	603	
	56	1803	1101	1664	1686	2008	594	
	57	1800	1207	1930	1931	2032	593	

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1932phae.proj..1285M

ce-Dk	Mean Dupl-Dk	Red Dupl	Mag.	Remarks
1467	1092	745	646	
1499	1397	931	829	
1477	1359	920	810	
1444	1332	924	830	
1414	1246	881	771	
1441	1034	716	620	
1431	1329	927	820	
1403	1053	751	652	
1433	1088	759	658	
1420	1344	946	842	
1423	1341	944	841	
1422	1119	785	683	
1476	1227	830	723	
1405	1377	980	ggg curve	
1497	1374	919	810	
1518	1244	820	712	
1454	1385	952	850	
1500	1398	930	823	
1460	1331	913	802	
1457	1361	935	830	
1413	1299	919	810	
1416	1264	892	780	
1435	1292	900	790	
1455	1268	871	760	
1493	1309	875	762	
1495	1147	766	663	
1457	856	590	510	
1388	1219	879	766	
1464	1081	739	640	
1439	1337	930	823	

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1932phae.proj.1285m

2 Gp - RH 3518 - April 12, 1932.

Strip	Star	y	x	Defl	Defl	ce	Volts
18.2	58	1837	831	1588	1570	1988	591
	59	1819	689	1858	1854	1995	594
18.4	60	1838	838	1928	1927	2021	590
18.6	61	1871	677	1619	1610	1998	578
	62	1860	866	1673	1682	2001	582
	63	1870	1009	1910	1916	2022	581
	64	1867	1102	1870	1857	2028	577
	65	1870	1203	1693	1700	2052	589
	66	1871	1365	1871	1853	2071	593
18.8	67	1880	969	1876	1869	2023	590
	68	1881	1200	1912	1902	2022	589
	69	1890	1141	1464	1462	2014	591
19.0	70	1905	341	1682	1663	1992	588
	71	1911	728	1807	1803	1963	572
	72	1902	987	1891	1873	1997	593
	73	1905	1093	1788	1823	1983	572
	74	1911	1183	1677	1693	2037	578
19.2	75	1927	288	1663	1650	2030	586
	76	1917	518	1846	1846	2001	579
	77	1920	532	1442	1400	2013	579
	78	1931	862	1853	1890	2022	573
	79	1919	904	1723	1741	2022	576
	80	1934	1178	1916	1919	2023	581
	10	1960	812	1043	—	2007	588
	1	2061	467	1303	—	2054	584
	2	—	—	1520	—	2038	583
	3	—	—	1551	—	2052	591
	4	—	—	1563	—	2064	586
	5	—	—	1684	—	2043	581
	6	—	—	1767	—	2044	579
	7	—	—	1784	—	2058	582
	8	—	—	1923	—	2038	563

575

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1932phae.proj.1285

cl-Dk	Mean Dyl-Dk	Red Dyl	Mag	Remarks
1397	988	708	613	
1401	1262	901	789	
1431	1337	934	827	
1420	1036	730	632	
1419	1095	772	670	
1441	1332	925	819	
1451	1287	886	775	
1463	1107	756	656	
1478	1269	858	747	
1443	1282	889	777	
1433	1318	919	810	
1423	872	614	532	
1404	1074	765	666	
1391	1233	885	774	
1404	1289	918	810	
1411	1234	874	763	
1459	1107	758	657	
1464	1070	730	632	
1422	1267	890	778	
1434	827	577	500	
1449	1299	895	784	
1446	1181	817	710	
1482	1337	901	789	
1419	455	321	—	
1470	719	489	—	
1455	947	651	—	
1461	960	657	—	
1478	977	662	—	
1462	1103	754	—	
1465	1188	810	—	
1476	1202	814	—	
1475	1400	948	—	

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1932phae.proj.1285M

Kap Ryl 6518 - April 13, 1932.

Mag	Star	y.	x	Dyl	Dyl Ce	Dk	Volts
	1s	1960	831	1632	—	2191	653	540
	1	2061	484	1393	—	2180	652	
	2	—	—	1700	—	2207	683	
	3	—	—	1766	—	2212	691	
	4	—	—	1781	—	2246	691	
	5	—	—	1894	—	2221	691	
	6	—	—	1983	—	2261	669	
	7	—	—	1983	—	2217	672	
	8	—		2068		2219	670	
19.4	81	1945	622	1863	1881	2207	664	
	82	1951	1295	2032	2080	2263681		
	83	1951	1324	2032	2022	2253	687	
19.6	84	1968	955	1833	1773	2232	673	
	85	1970	828	1968	1950	2173	694	
	86	1962	1178	2091	2043	2214	683	
	87	1964	1218	2000	1988	2197	688	
19.8	88	1990	713	1727	1710	2132	688	
	89	1992	601	1770	1780	2131	685	
	90	1980	1012	1890	1877	2162	693	
20.0	91	2002	692	1732	1397	2137	683	
	92	2010	832	1907	1938	2187	682	
	93	2011	926	1765	1793	2187	684	
	94	2010	1155	1883	1873	2217	692	
20.2	95	2031	959	1833	1833	2128	692	
	96	2017	503	1957	1976	2128	706	
20.4	97	2041	962	2004	1994	2188	702	
	98	2041	641	2052	2022	2172	693	
	99	2057	695	1913	1907	2150	689	
	100	2049	818	1971	1992	2137	707	
	101	2054	893	1922	1923	2142	712	

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1932phae.proj.12851

Cl.-Dk.	Defl.-Dk.	Red Defl	Mag	Remarks
1538	379	246	—	
1528	741	486	—	
1524	1017	666	—	
1521	1075	707	—	
1555	1090	701	—	
1530	1203	786	—	
1592	1314	825	—	
1545	1311	847	—	
1549	1368	883	—	
1543	1208	782	676	
1572	1375	875	775	
1566	1340	855	750	
1559	1130	725	628	
1479	1265	855	750	
1531	1384	904	807	
1509	1306	865	763	
1444	1030	715	620	
1446	1090	755	652	
1469	1191	812	705	
1454	731	504	468	
1505	1240	825	720	
1503	1105	735	636	
1525	1186	776	672	
1436	1141	795	689	
1422	1260	885	786	
1486	1297	873	771	
1479	1344	910	816	
1461	1221	835	730	
1430	1275	890	792	
1430	1210	845	740	

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1932phae.proj.12853

SP-RX 3518- April 13, 1932.

Trip	Star	y	x	dep	Dep	Ce	Dk	Volts
20.6	102	2074	321	1822	1839	2157	696	
	103	2065	410	1686	1680	2139	709	
	104	2061	462	1964	1957	2143	709	
	105	2063	498	1907	1893	2137	713	
	106	2070	628	1938	1963	2252	723	
	107	2069	1356	2063	2063	2177	702	
20.8	108	2092	391	1862	1852	2142	706	
	109	2080	807	2022	2013	2143	693	
21.0	110	2112	621	1582	1587	2149	692	
	111	2102	743	1883	1892	2163	690	
21.2	112	2123	939	1963	1962	2158	693	
	113	2120	482	2038	2037	2157	701	
	114	2119	1079	1970	1964	2158	682	
	115	2130	1183	1997	1992	2122	693	
	116	2127	1252	1999	1983	2123	681	
	1A	1961	831	1123	—	2082	706	535
		2061	484	1903	—	2129	707	
	2	—	—	1609	—	2102	676	
	3	—	—	1683	—	2119	686	
	4	—	—	1623	—	2129	694	
	5	—	—	1780	—	2114	706	
	6	—	—	1866	—	2129	700	
	7	—	—	1849	—	2109	697	
	8	—	—	2010	—	2103	697	

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1932phae.proj.12850

Cl-Dk	Neg.-Dk	Red Dye	Mag	Remarks
1464	1137	775	670	
1430	974	682	593	
1434	1251	874	771	
1424	1187	834	728	
1529	1222	800	694	
1475	1361	925	835	
1439	1154	804	697	
1450	1325	915	824	
1457	892	614	547	
1473	1178	799	693	
1465	1269	865	763	
1456	1337	916	825	
1476	1285	870	768	
1429	1301	911	817	
1442	1310	907	813	
1376	417	303	—	
1422	646	454	—	
1426	933	655	—	
1433	947	660	—	
1435	929	646	—	
1413	1074	761	—	
1429	1166	818	—	
1412	1152	816	—	
1406	1313	932	—	

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1932phae.proj.12850

P.S.R. – R.A. 3518 – April 13, 1932

Strip	Star	y	x	Diff.	Diff.	Cl.	Clk.	Volts
	15	~~1959~~	~~830~~	1084.	—	~~2270~~	~~670~~	5.46
	1	2061	484	1398	—	2277	679	
	2	—	—	~~1661~~	—	~~2270~~	~~677~~	
	3	—	—	1738	—	2260	658	Galvanometer
15 min wait →	4	—	—	1687		2288	682	coil –
	15	1959	830	1048	—	2273	690	Shifting continuously over a range of 70
	1	2061	484	1385	—	2282	689	
	2	—	—	1693	—	2303	701	5.44
	3	—	—	1730	—	2244	681	
	4	—	—	1697	—	2267	671	
	5	—	—	1847	—	2247	680	
	6	—	—	1908	—	2250	679	Galvanometer
	7	—	—	1893	—	2194	691	erratic
	8	—	—	2140	—	2255	684	and very
21.4	117	2154	960	2082	2122	2373	705	slow.
	118	2156	1112	2192	2226	2363	706	Many
21.6	119	2176	435	2113	2121	2328	696	readjustments
	120	2170	669	2060	2055	2348	713	had to be
	121	2173	946	2111	2122	2348	697	repeated.
21.8	122	2182	1030	2222	2232	2353	715	
	123 X	2187	1360	2275	2272	2381	716	
	124	2190	388	2207	Dirt on image	2337	700	
	125	2198	459	2190	2193	2327	708	
	126	2190	682	1831	1830	2323	718	
	127	2199	1282	2182	2200	2360	685	
	15	1958	831	1036	—	2306	683	
	1	2061	484	1400	—	2294	679	
	2	—	—	1680	—	2330	704	
	3	—	—	1734	—	2278	698	
	4	—	—	1640	—	2299	688	
	5	—	—	1872	—	2269	684	
	6	—	—	1923	—	2252	692	
	7	—	—	1878	—	2183	688	
	8	—	—	2155	—	2278	681	5.42

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1932phae.proj.12850

Cl-Dk	Mean Dif.-Dk	Red Dye	Mag	Remarks
1583	358	226	—	
1593	696	437	—	
1602	992	620	—	
1563	1049	670	—	
1596	1026	643	—	
1567	1167	744	—	
1571	1229	780	—	
1503	1202	800	—	
1571	1456	926	—	
1668	1397	836	738	
1657	1403	846	747	
1632	1421	871	773	
1635	1325	810	714	
1651	1419	859	761	
1638	1512	925	833	
1665	1508	905	809 x	(outside circle)
1637	1507	920	826	
1619	1484	916	821	
1605	1112	694	611	
1675	1506	898	800	
1623	353	217	—	
1615	721	446	—	
1626	976	601	—	
1580	1036	655	—	
1411	1002	702	—	
1585	1188	750	—	
1560	1231	790	—	
1595	1190	797	—	
1584	1414	925	—	

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1932phae.proj.12857

2 JP - R.A. 3518 — April 14, 1932

Diff	Star	y	z	Dec.	Dec.	α	Hr.	Notes
	15	8960	768	1120	—	2150	650	0.25
	1	2060	421	1407	—	2204	672	
	2	—	—	1676	—	2177	672	
	3	—	—	1750	—	2233	683	
	4	—	—	1764	—	2257	682	
	5	—	—	1903	—	2260	682	
	6	—	—	2021	—	2269	683	
	7	—	—	1978	—	2241	692	
	8	—	—	2153	—	2253	677	
22.0	128	2199	1218	2073	2107	2203	673	
22.2	129	2221	402	1698	1780	2202	678	
	130	2231	402	1610	1606	2211	690	
	131	2230	459	1926	1928	2227	693	
	132	2220	599	1304	1220	2170	672	
	133	2290	686	2023	2014	2208	671	
	134	2220	857	1527	1532	2210	672	
	135	2231	978	1993	1973	2243	676	
	136	2220	1228	1753	1772	2212	679	
22.4	137	2240	984	1712	1750	2274	663	
	138	2251	1128	1769	1752	2283	683	
22.6	139	2260	637	1963	1958	2241	676	
	140	2212	764	2058	2068	2247	664	
	141	2261	889	1930	1913	2243	683	
	142	2273	977	1986	1989	2270	672	
22.8	143	2290	353	1643	1663	2207	678	
	144	2282	680	1903	1892	2262	677	
23.2	145	2337	092	1632	1604	2237	680	
	146	2230	842	1743	1688	2261	682	
	147	2236	949	1560	1500	2228	682	
23.4	148	2356	1124	1913	1938	2214	692	

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1932phae.proj.:1285:1

Cl.-Dk.	Defl.-Dk.	Red Diff	Mag	Remarks
1500	480	320	—	
1532	735	478	—	
1505	1004	668	—	
1550	1067	689	—	
1575	1082	687	—	
1567	1210	773	—	
1576	1328	842	—	
1579	1286	814	—	
1576	1476	938	—	
1530	1417	925	823	
1524	1021	671	585	
1521	918	604	533	
1534	1234	805	701	
1498	590	394	360	
1537	1341	875	767	
1538	858	558	498	
1570	1320	840	733	
1593	1083	680	593	
1611	1058	656	575	
1600	1077	674	588	
1565	1284	820	715	
1583	1399	884	776	
1560	1239	794	692	
1598	1316	824	719	
1529	965	632	554	
1575	1221	775	675	
1557	938	604	533	
1585	1034	654	572	
1556	818	526	475	
1512	1234	815	710	

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1932phae.proj.12857

Zg P - R.A. 3518 - April 14, 1932

Strip	Star		x	Dec.	Dec.	Ord.	Int.	Volts
23.6	149	2361	686	2696	2112	2222	712	
	150	2870	783	2047	2062	2242	716	
24.0	151	2397	557	2024	1983	2198	713	
	152	2702	678	2079	2044	2201	713	
	153	2703	817	1769	1782	2201	708	
24.2	154	2723	539	1688	1655	2193	717	
	155	2421	973	2062	2072	2227	720	
24.4	156	2444	627	1753	1777	2212	718	
	157	2441	1061	2023	2006	2237	722	
	158	2451	1098	1919	1921	2252	723	
24.6	159	2473	567	1830	1801	2204	721	
	160	2462	588	1877	1843	2117	724	
	161	2471	827	1952	1977	2206	723	
24.8	162	2480	532	2032	2063	2202	713	
	163	2494	695	1811	1852	2192	712	
25.0	164	2504	758	1953	1992	2212	720	
	165	2505	784	1783	1750	2197	710	
	166	2500	792	2020	2032	2208	690	
	167	2502	861	2032	2061	2212	704	
25.2	168	2527	692	1828	1790	2202	702	
	1	1960	768	1164	—	2178	704	
Plate	1	2060	421	1380	—	2177	693	
finished	2	—	—	1626	—	2153	703	525
	3	—	—	1683	—	2192	708	
	4	—	—	1670	—	2204	708	
	5	—	—	1849	—	2223	703	
	6	—	—	1916	—	2183	700	
	7	—	—	1883	—	2210	710	
	8	—	—	2090	—	2182	699	

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1932phee.proj.12951

Cl-Dk	mean Dif-Dk	Red Dif	mag	Remarks
1510	1390	920	815	
1526	1338	875	767	
1485	1291	870	763	
1488	1349	905	799	
1493	1068	715	622	
1476	955	647	566	
1507	1347	894	786	
1494	1047	700	608	
1515	1292	854	745	
1529	1197	783	681	
1483	1095	738	643	
1393	1136	815	710	
1480	1241	839	733	
1489	1329	893	785	
1480	1120	756	656	
1492	1252	840	733	
1487	1052	708	616	
1518	1336	880	772	
1508	1342	890	783	
1500	1107	737	640	
1474	460	311	—	
1484	687	463	—	
1450	923	636	—	
1484	985	663	—	
1496	962	644	—	
1520	1146	755	—	
1483	1213	818	—	
1500	1173	782	—	
1483	1391	939	—	

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1932phae.proj.1285m

P.S.R. – R.H. 3579 – April 15, 1932

Strip	Star	y	x	Diff.	Diff.	Cl.	Dk.	Volts
	15*	1965	721	1003	—	2103	653	5.26
	1	2088	380	1397	—	2108	645	
	2	—	—	1611	—	2108	651	
	3	—	—	1698	—	2130	649	
	4	—	—	1684	—	2150	657	
	5	—	—	1717	—	2122	652	
	6	—	—	1823	—	2100	656	
	7	—	—	1862	—	2087	655	
	8	—	—	1983	—	2102	652	
14.2		1436	581	1779	1780	2180	655	
14.4		1444	715	2017	2028	2130	656	
14.6		1479	607	1928	1942	2124	657	
14.8		1487	699	1860	1848	2183	647	
		1491	455	1966 → 2012 ←	1966 → 2022 ←	2260	632	

Up to here, galvanometer unusually well behaved. On this star, it suddenly began jumping around over a region of 100 divisions. Is still doing so after 5 attempts at a reading and a 20 minute wait. Dark reading [But dropped 207 much steadier, (steadier now)

1	—	—	1278	—	2100	632	

after ½ hour, readings became quite steady and the above reading on #1 was taken. A distinct change in Cl – Dk has occurred. ∴ Best to start over.

15	1965	721	899	—	2066	636	5.22
1	2088	380	1312	—	2133	646	
2	—	—	1564	—	2138	655	
3	—	—	1618	—	2143	673	
4	—	—	1646	—	2167	667	
5	—	—	1673 1670	—	2112 2086		
6	—	—		—			

Readings missing again. Set up new reading.

* Very close field star may affect reading. →

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1932phae.proj.1285N

P.S.R. - R. A. 3h 19 - April 18, 1932

Mich. (see foot-note, P. 78)	Star	y	x	Dyll.	Dyll.	Cl.	Lt.	Volts
*	14	1965	761	1003	/	1810	697	5.21
	1	2088	420	1331	-	1843	692	
	2	-	-	1500	-	1858	708	
	3	-	-	1553	-	1830	708	
	4	-	-	1532	-	1874	713	
	5	-	-	1590	-	1818	707	
	6	-	-	1635	-	1825	696	
	7	-	-	1652	-	1818	702	
	8	-	-	1744	-	1818	712	
14.2	1 ↙	1436	621	1588	1572	1867	704	
14.4	2 ↙	1443	755	1748	1760	1840	690	
14.6	3 ↙	1479	647	1726	1738	1900	690	
14.8	4 ↙	1487	739	1658	1651	1876	686	
	5 ↙	1492	492	1732	1732	1874	702	
	6 ↙	1492	961	1768	1748	1866	688	
	7 x	1488	1249	On Edge of Ink Line	‡ 1790 1787	1870	698	
15.0	8 x ↙	1510	755	1778	1787	1847	692	5.19
15.4	9	1540	610	1785	1770	1908	672	
	10 ↙	1546	900	1790	1782	1883	685	
	11 ↙	1551	470	1854	1850	1992	683	
	12 x ↙	1558	834	1872	1863	1933	677	
15.6	13	1566	780	1820	1812	1950	704	
15.8	14 ↙	1584	553	1719	1709	1997	703	
	15 ↙	1584	912	1853	1842	1953	696	
	16 ↙	1581	1133	1737	1723	1988	687	
16.0	17 ↙	1610	367	1900	1910	2072	680	← NOTE JUMP (Arthur Left Room)
	18 x	1606	623	1957	1953	2040	675	
	19 ↙	1607	726	1884	1880	2042	694	(Arthur returned - no effect)
	20 ↙	1613	520	1970	1978	2107	690	
	21 ↙	1618	1001	1783	1789	2078	695	5.17

‡ 2 settings on lower image

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1932phae.proj.12650

cl.–Dk	mean Defl.–Dk	Red Defl	Mag	Remarks
1113	306	275	—	
1151	639	555	—	
1150	792	689	—	
1122	845	753	—	
1161	819	705	—	
1111	883	795	—	
1129	939	830	—	
1116	950	850	—	
1106	1032	932	—	
1163	876	753	626	
1150	1064	926	827	
1210	1042	861	739	
1190	968	813	687	
1172	1030	878	760	
1178	1070	908	803	
1172	1090	930	833	(outside circle)
1155	1090	943	850	
1236	1105	895	784	
1198	1101	920	819	
1309	1169	894	780	
1256	1190	948	860	
1246	1112	893	779	
1294	1011	783	655	
1257	1151	916	813	
1301	1043	802	674	
1392	1225	878	762	
1365	1280	938	845	
1348	1188	880	764	
1417	1284	908	803	
1383	1091	790	663	

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1932phae.proj.1285N

P.S.R. – R.H. 3579 – April 18, 1932

(cont'd from Page 80)

Strip	Star	y	x	Diff	Diff	cc	dk	Volts
	15	1965	761	1020	—	2000	667	5.17
	1	2087	420	1345	—	2042	677	
	2	—	—	1595	—	2053	668	
	3	—	—	1645	—	2013	687	
	4	—	—	1646	—	2063	673	
	5	—	—	1668	—	2033	674	
	6	—	—	1765	—	2025	682	
	7	—	—	1767	—	2020	660	
	8	—	—	1912	—	2008	677	5.16
		N.P. – R.H. 3579 – April 18, 1932.						
	15	1966	755	903	—	1897	583	5.00
	1	2089	413	1352	—	2026	608	
	2	—	—	1578	—	2058	623	
	3	—	—	1693	—	2078	643	
	4	—	—	1696	—	2081	654	
	5	—	—	1708	—	2074	643	
	6	—	—	1810	—	2051	608	
	7	—	—	1814	—	2028	672	
	8	—	—	1928	—	2047	662	
16.2	22	1631	488	2012	1992	2083	673	
	23	1624	767	1944	1972	2060	668	
	24	1621	892	1930	1912	2041	667	
	25	1638	1177	1833	1819	2064	678	
16.4	26	1648	590	2010	1963	2058	683	
	27	1643	799	1951	1922	2060	680	
16.6	28	1653	448	2000	1992	2083	667	
	29	1671	622	1997	1982	2093	653	
	30	1677	553	1722	1713	2013	642	
	31	1662	674	1929	1926	2008	642	
	32	1670	891	1932	1943	2037	682	

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1932phae.proj.1285M

Cl.-Dk.	Mean Degl.-Dk.	Red. Degl.	Mag	Remarks
1333	353	264	—	
1366	668	489	—	
1385	927	669	—	
1326	958	722	—	
1390	973	701	—	
1359	994	732	—	
1343	1083	806	—	
1360	1107	813	—	
1331	1235	928	—	
1314	320	243	—	
1418	744	525	—	
1425	945	664	—	
1435	1050	732	—	
1427	1041	730	—	
1391	1055	758	—	
1393	1152	827	—	
1356	1142	843	—	
1385	1266	913	—	
1410	1329	940	845	
1392	1290	927	827	
1374	1254	911	804	
1386	1148	828	706	
1375	1299	945	851	
1380	1256	911	804	
1416	1329	939	844	
1440	1337	928	828	
1371	1076	785	663	
1366	1290	943	847	
1405	1306	926	825	

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1932phae.proj.1285N

Hyp - RA 3519 - April 18, 1932

Trip	Star	Y	X	Diff	Diff	Ce	Dk	Volts
16.8	33	1694	908	2010	1998	2113	643	
	34	1692	952	1987	1990	2132	638	
	35	1690	357	1977	1962	2072	633	
	36	1697	959	1710	1669	2033	641	
17.0	37	1710	568	1922	1912	2071	633	
	38	1710	1082	1986	1964	2042	640	
17.2	39	1728	567	1766	1757	2063	624	
	40	1720	643	1751	1732	2133	623	
	41	1729	648	1927	1943	2022	627	
	42	1720	837	1749	1732	2031	622	
	43	1720	896	1817	1806	1993	622	
	44	1731	1177	1913	1873	2023	640	
	45	1719	1191	1937	1947	2043	627	
	46	1720	1237	1916	1917	1988	632	
17.4	47	1739	203	1953	1916	2042	638	
	48	1730	351	2003	2013	2067	641	
	49	1748	1118	1823	1822	2033	609	
	50	1741	1203	2000	1944	2091	634	
17.6	51	1761	397	1962	1952	2133	681	
	52	1763	899	2017	1943	2023	663	
17.8	53	1770	280	1978	1959	2084	671	
	54	1761	397	1941	1913	2113	651	
	55	1778	540	1878	1892	2051	668	
	56	1778	921	1839	1949	2037	663	
	57	1790	1150	1762	1762	2037	709	
18.0	58	1801	429	1552	1534	2082	672	
	59	1814	637	1933	1928	2041	661	
	60	1800	827	1918	1874	2042	680	
	61	1800	1048	1783	1767	2103	682	
	62	1799	1254	1963	1954	2040	693	

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1932phae.proj.1285w

Cl-Dk	Mean Defl. Dk	Red Defl	Mag.	Remarks
1470	1361	924	822	
1494	1350	904	795	
1439	1337	930	830	
1392	1049	754	632	
1438	1284	895	785	
1402	1335	952	off curve	
1439	1138	791	667	
1410	1119	795	672	
1395	1318	945	851	
1409	1118	793	669	
1371	1189	865	747	
1383	1253	906	798	
1416	1315	929	829	
1356	1284	947	855	
1404	1296	900	790	
1426	1367	960	off curve	
1374	1163	845	725	
1437	1288	895	785	
1452	1276	878	763	
1360	1317	968	off curve	
1413	1297	916	812	
1462	1276	872	755	
1383	1217	879	764	
1374	1281	934	895	
1328	1053	794	670	
1410	871	619	521	
1380	1269	919	815	
1362	1216	892	780	
1381	1093	791	667	
1347	1265	940	845	

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1932phae.proj.1285M

HP - RH 3519 - April 18, 1932.

Strip	Star	Y	X	Diff	Diff	Ce	Dc	Date
~~18.2~~		~~1830~~	~~1467~~	~~1892~~	~~1790~~	~~2041~~	~~683~~	
18.2	63 ✓	1831	278	1703	1704	2067	688	
	64 ✓	1831	783	1943	1967	2067	699	
18.6	65 ✓	1869	623	1681	1674	2034	700	
	66 ✓	1869	813	1793	1786	2087	692	
	67 ✓	1877	917	1900	1889	2063	702	
	68 ✓	1867	957	1948	1937	2022	729	
	69 ✓	1861	1058	1892	1917	2007	710	
	70 ✓	1867	1161	1694	1730	2032	713	
	71 ✓	1870	1311	1894	1899	2038	700	
18.8	72 ✓	1880	948	1919	1908	2011	687	
	73 ✓	1886	1089	1563	1472	1987	660	
19.0	74 ✓	1901	288	1762	1731	2040	660	
	75 ✓	1912	467	1885	1854	2024	673	
	76 ✓	1909	676	1862	1845	2027	661	
	77 ✓	1902	1040	1808	1853	2021	652	
	78 ✓	1910	1130	1732	1692	2004	640	
19.2	79 ✓	1921	236	1726	1700	2042	638	
	80 ✓	1917	481	1413	1367	1986	646	
	81 ✓	1930	811	1833	1823	1944	643	
	82 ✓	1916	852	1708	1684	1966	642	
	83 ✓	1931	1127	1863	1837	1963	658	
	14	1966	755	963	—	1873	623	500
	1	2089	443	1244	—	1900	633	
	2	—	—	1547	—	1957	640	
	3	—	—	1618	—	1972	637	
	4	—	—	1563	—	1969	631	
	5	—	—	1575	—	1963	631	
	6	—	—	1603	—	1937	624	
	7	—	—	1700	—	1898	619	
	8	—	—	1817	—	1890	612	

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1932phae.proj..1285M

Cl − Dk	Mean Dep. Dk	Red Dep.	Mag.	Remarks
1379	1016	736	615	
1358	1256	925	825	
1334	977	734	613	
1395	1098	786	664	
1331	1192	895	785	
1293	1213	939	843	
1297	1194	920	818	
1319	999	757	635	
1338	1196	895	785	
1324	1227	926	825	
1327	832	627	527	
1380	1086	786	664	
1351	1197	885	773	
1366	1193	874	758	
1369	1200	876	761	
1364	1072	786	664	
1404	1075	765	644	
1340	744	555	474	
1301	1185	910	804	
1324	1054	795	672	
1305	1192	915	810	
1250	340	271	—	
1267	611	483	—	
1310	907	693	—	
1335	981	736	—	
1338	932	697	—	
1332	944	709	—	
1313	1069	815	—	
1279	1081	847	—	
1278	1205	942	—	

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1932phae.proj.1285M

Kap- Rt 3519 — April 20, 1932.

Strip	Star	y	x	dyf	dyf	ce	clk	Volts
	1*	1965	762	823	—	1517	581	530
	.	2088	421	1057	—	1538	579	
	2	—	—	1182	—	1582	581	
	3	—	—	1217	—	1572	573	
	4	—	—	1267	—	1562	601	
	5	—	—	1304	—	1568	602	
	6	—	—	1380	—	1559	612	
	7	—	—	1389	—	1568	616	
	8	—	—	1500	—	1582	612	
19.4	84 X	1940	487	1582	1556	1609	609	
	85 ✓	1941	558	1368	1332	1604	612	
	86	1941	866	1546	1528	1602	626	
	87 ✓	1939	1071	1503	1506	1592	623	
	88 ✓	1949	1171	1421	1442	1708	612	
	89 ✓	1949	1260	1424	1422	1734	619	
19.6	90 ✓	1966	292	1394	1398	1742	624	
	91 ✓	1973	978	1507	1513	1762	633	
	92 ✓	1960	1114	1642	1617	1783	651	
	93 ✓	1960	1153	1560	1519	1782	642	
19.8	94 ✓	1986	348	1442	1406	1813	640	
	95 ✓	1990	439	1463	1421	1744	624	
20.0	96 ✓	2011	438	1612	1567	1738	632	
	97 ✓	2000	629	1132	1127	1713	640	
	98 ✓	2005	767	1522	1475	1707	652	
	99 ✓	2008	871	1437	1419	1713	662	
	100 ✓	2013	902	1622	1622	1711	652	
	101 ✓	2008	1090	1460	1412	1707	632	
20.2	102 ✓	2027	295	1532	1521	1787	647	
	103 ✓	2031	1028	1683	1680	1768	643	
20.4	104	2040	298	1662	1641	1813	641	

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1932phae.proj.1285M

Cl.-Dk.	Mean Dyl.-Dk.	Rel. Dyl.	Mag	Remarks
936	252	269	—	
959	478	499	—	
1001	601	60	—	
999	644	645	—	
961	666	693	—	
966	702	727	—	
947	768	811	—	
952	723	760	—	
970	888	915	—	
1000	960	960	off curve	
992	738	745	659	
979	914	931	off curve	
969	881	909	833	
1096	820	748	660	
1115	804	720	637	
1118	772	690	606	
1129	877	778	691	
1132	979	865	781	
1140	898	788	700	
1173	784	669	589	
1120	818	730	646	
1106	958	867	785	
1073	490	456	408	
1055	846	804	720	
1051	766	730	645	
1059	975	921	849	
1075	804	748	660	
1140	879	771	690	
1125	1039	924	851	
1172	1011	865	782	

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1932phae.proj.12850

Ψ Jp - RH 3579 - April 20, 1932

Strip	Star	y	x	Δeff	Δefe	Ce	Ck	Volts
	105 ✓	2040	577	1718	1667	1793	641	
	106 ✓	2057	631	1552	1514	1763	653	
	107 ✓	2042	752	1642	1642	1748	647	
	108 ✓	2050	828	1521	1522	1692	634	
20.6	109 ✓	2070	257	1513	1528	1744	643	
	110 ✓	2060	347	1382	1380	1774	629	
	111 ✓	2059	399	1623	1596	1772	633	
	112 ✓	2060	433	1589	1572	1790	637	
	113	2066	563	1606	1611	1782	636	
	114 ✓	2063	1281	1669	1676	1789	651	
20.8	115 ✓	2090	327	1481	1477	1719	643	
	116 ✓	2078	743	1578	1592	1760	646	
21.0	117 ✓	2104	294	1576	1562	1862	643	
	118 ✓	2110	558	1336	1356	1783	642	
	119	2100	679	1543	1500	1774	647	
O.L.R.	120 ×	2100	914	1668	1667	1738	633	5.37
	121 ✓	2117	275	1732	Superposed on another star	1880	637	
	122 ✓	2117	428	1730	1723	1883	628	
	123 ✓	2114	1015	1727	1713	1920	627	
21.2	124 ✓	2120	274	Superposed on another star	1765	2002	636	
	125 ✓	2125	1120	1773	1768	1905	629	
	126 ✓	2121	1186	1640	1624	1769	627	
	127 ×	2131	899	1810	1813	1910	626	
21.4	128 ✓	2143	1269	1838	1818	1934	613	
	129 ✓	2150	895	1705	1704	1921	600	
	130 ✓	2153	1048	1714	1698	1882	615	
21.6	131 ×	2162	332	1897	1870	1986	630	
	132 ✓	2168	605	1690	1674	1970	623	
	133 ✓	2173	372	1767	1747	1987	632	
	134 ✓	2170	872	1712	1697	1950	623	5.36

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1932phae.proj.1285w

Cl-Dk	mean Defl-Dk	Rd Defl	Mag		Remarks
1152	1051	914	841	✓	
1110	880	794	710	✓	
1101	995	905	829	✓	
1058	888	840	755	✓	
1101	877	796	709	✓	
1145	727	635	556	✓	
1139	967	850	763	✓	
1153	943	819	731	✓	
1146	972	850	765	✓	
1138	1021	899	820	✓	
1076	836	777	690	✓	
1004	939	936	813	✓	
1219	926	761	679	✓	
1141	704	616	541	✓	
1127	875	776	691	×	
1105	1035	935	867	✓	
1243	1095	880	800	✓	one defl reading – second field star superposed on another
1255	1098	875	792	✓	
1293	1093	845	760	✓	
1366	1129	825	741	✓	one defl reading – second field star superposed on another star
1276	1141	895	817	✓	
1142	1005	880	800	✓	
1284	1186	924	850	×	
1321	1215	920	847	✓	
1321	1104	835	750	✓	
1267	1091	862	781	✓	
1356	1254	925	851	✓	
1347	1059	785	700	✓	
1355	1125	830	747	✓	
1327	1081	816	730	✓	

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1932phae.proj.12850

α Gp - B.D. 3519 - April 20, 1932

Stop	Star	y	x	Diff	Diff	Cl	Dk.	Volts
	15	1956	761	928	—	1927	642	5.36
Use same exposure for these as for the measures which follow	1	2088	421	1307	—	1982	651	
	2	—	—	1472	—	2032	653	
	3	—	—	1514	—	2028	643	
	4	—	—	1587	—	2000	658	
	5	—	—	1623	—	1977	661	
	6	—	—	1725	—	1958	653	
	7	—	—	1645	—	1953	653	
	8	—	—	1832	—	1943	639	
21.8	135 ✓	2189	3263	1843	1808	1992	642	
	136 ✓	2196	397	1847	1843	1982	637	
	137 ✓	2190	619	1483	1516	1940	627	
	138 ✓ x	2180	966	1818	1814	1929	622	
	139 ✓	2183	1294	1832	1820	1943	618	
22.0	140 ✓	2217	692	1062	1062	1993	623	
	141 ✓	2216	854	1283	299	1929	623	
	142 x ✓	2211	~~904~~ 908	1798	1792	1942	624	
	143 ✓	2193	1218	1778	1792	1928	627	
22.2	144 ✓	2210	401	1502	1494	1965	631	
	145 ✓	2230	401	1433	1397	1972	623	
	146 ✓	2229	458	1663	1673	1954	619	
	147 ✓	2228	684	1726	1718	1950	642	
	148 ✓	2232	978	1688	1718	1932	633	
	149 ✓	2237	982	1477	1472	1942	632	
	150 ✓	2218	1228	1412	1423	1928	642	
22.4	151 ✓	2200	1126	1467	1463	1942	647	
22.6	152 ✓	2259	636	1632	1612	1952	623	
	153	2270	703	1732	1708	1907	623	
	154 ✓	2260	887	1562	1537	1931	630	
	155	2271	974	1642	1603	1922	622	

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1932phae.proj.1285w

Cl.–Dk	mean Defl.–Dk.	Red. Defl.	mag	Remarks
1285	286	223	—	
1331	656	493	—	
1379	819	595	—	
1365	851	624	—	
1342	929	691	—	
1316	972	740	—	
1305	1072	821	—	
1300	992	763	—	
1304	1193	915	—	
1350	1184	876	792	✓
1345	1208	898	815	✓
1313	879	665	593	✓
1307	1194	915	839	✓
1325	1208	910	830	× (outside circle)
1370	439	321	330	✓
1306	665	510	462	✓
1318	1171	890	806	×
1301	1158	890	806	✓
1334	867	651	582	✓
1349	792	588	526	✓
1335	1049	785	704	✓
1308	1080	825	741	✓
1299	1070	825	740	✓
1310	842	644	576	✓
1286	776	605	542	✓
1295	818	633	566	✓
1329	989	745	666	✓
1284	1097	854	770	✓
1301	920	706	630	✓
1300	1000	770	689	

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1932phae.proj.1285M

ZJP-RH 3519 - April 20, 1932

Strip	Star	Y	X	Diff	Diff	Ce	Dk	Date
22.8	156	2288	353	1400	1423	1942	629	
	157	2281	679	1643	1562	1953	674	
23.2	158	2331	691	1468	1442	1967	659	
	159	2329	842	1468	1449	1997	668	
	160	2331	947	1280	1283	1988	662	
23.4	161	2352	1125	1610	1508	1950	660	
23.6	162	2360	685	1822	1820	1951	661	
ZJP	163	2365	748	1788	1793	1922	621	5.33
	164	2367	781	1730	1720	1972	639	
	165	2370	790	1816	1814	1980	653	
23.8	166	2392	555	1840	1818	2033	633	
	167	2399	678	1850	1830	2027	649	
	168	2399	815	1588	1603	2037	662	
24.0	169 *	2403	1152	1940	1919	2099	670	
24.2	170	2421	538	1538	1534	2157	676	
	171	2421	971	1850	1853	2120	684	
	172	2438	1061	1790	1768	2134	665	
24.4	173	2441	627	1569	1538	2108	664	
	174	2450	650	1955	1952	2118	661	
	175	2449	1097	1624	1605	2081	661	
	176 X	2455	579	1953	1960	2120	666	
24.6	177	2460	586	1676	1668	2116	648	
	178	2469	826	1765	1738	2108	659	
	179	2470	567	1609	1629	2153	658	
24.8	180	2490	694	1582	1590	2098	660	
	181	2495	791	1842	1796	2112	656	
25.0	182	2500	755	1783	1762	2109	669	
	183	2501	784	1516	1507	2098	672	
	184	2500	860	1915	1913	2112	677	5.34

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1932phae.proj.1285N

Cl-Dk	Mean Dep-Dk	Red Dep	Mag		Remarks
1313	783	596	532	✓	
1309	958	734	655	✓	
1308	796	610	548	✓	
1334	795	596	533	✓	
1326	620	468	430	✓	
1290	924	716	638	✓	
1290	1160	900	819	✓	
1301	1169	897	816	✓	
1333	1086	815	731	✓	
1327	1162	876	791	✓	
1400	1196	855	770	✓	
1378	1191	865	781	✓	
1375	934	680	606	✓	
1429	1260	882	800	+	
1481	860	580	520	✓	
1436	1168	813	730	✓	
1469	1114	758	678	✓	
1444	890	616	551	✓	
1457	1293	889	804	✓	
1420	953	673	603	✓	
1454	1290	887	802	✗	
1468	1024	697	621	✓	
1449	1093	756	678	✓	
1495	961	644	577	✓	
1438	926	645	577	✓	
1456	1163	799	711	✓	
1440	1103	766	683	✓	
1426	840	590	530	✓	
1435	1237	861	780		

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1932phae.proj.1285M

P.S.R. – R.A. 3519 – April 20, 1932

Dep.	Star	y	x	Diff.	Diff.	Cl	Lk.	Notes
25.2	185	2524	690	1660	1651	2077	658	5.34
	15	1956	761	970	—	2057	646	
	1	2088	420	1313	—	2103	661	
	2	—	—	1488	—	2080	640	
	3	—	—	1507	—	2033	637	
	4	—	—	1552	—	1984	647	
	5	—	—	1588	—	1957	653	
	6	—	—	1737	—	1978	652	
	7	—	—	1648	—	1972	658	
	8	—	—	1840	—	1950	657	5.33

Plate finished

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1932phae.proj.1285M

Cl.-Dk	mean Dif.-Dk	Red Dist	Mag	Remarks
1419	997	704	630	
1411	324	229	—	
1442	652	453	—	
1440	848	588	—	
1396	870	624	—	
1337	905	676	—	
1304	935	717	—	
1326	985	744	—	
1314	990	752	—	
1293	1183	915	—	

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1932phae.proj.12850

O.S.R. — R.A. 3532 — April 21, 1932

strip	Star	y	x	Deff	Diff	Cl	Hk	Volts
	15	1959	749	765	—	1556	573	5.28
	1	2148	440	1061	—	1593	573.	
	2	—	—	1218	—	1608	574	Galvanometer quite jumpy at start.
	3	—	—	1271	—	1578	568	
	4	—	—	1273	—	1578	558	After 15 minutes,
	5	—	—	1328	—	1566	554	the door and
	6	—	—	1404	—	1586	557	window which
	7	—	—	1370	—	1586	552	had both been
	8	—	—	1477	—	1560	552	open were closed,
14.4		1441	650	1261	1257	1527	579	a definite improvement
	*	1449	783	1407	1405	1478	547	in galvanometer
	*	1441	650	1217	1227	1472	547	behavior followed
14.6		1461	570	1344	1335	1527	539	almost at once. A
14.8	*	1484	674	1290	1303	1413	538	new star was
	*	1498	522	1297	1325	1498	534	made then.
	*	1491	767	1263	1259	1447	540	Galvanometer
		1496	990	1382	1376	1478	540	jumping again
15.0		1515	782	1403	1406	1470	550	after last
15.2		1523	983	1426	1428	1492	546	field star.
		1530	859	1391	1393	1455	540	Door & Window
10	*	1530	859	1402	1407	1466	557	still shut
9		1523	983	1410	1418	1471	564	
8	*	1515	782	1440	1433	1500	568	Galvanometer
7		1496	990	1396	1402	1473	559	well
6		1491	767	1278	1276	1479	559	behaved.
5		1498	522	1357	1343	1508	554	
4		1484	674	1354	1352	1487	553	
3	*	1461	570	1323	1310	1503	548	
2	*	1449	783	1379	1358	1478	550	5.26
1		1441	650	1233	1207	1497	552	

* = Galvanometer jumpy or changing slowly Ink Measurement repeated

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1932phae.proj.12851

d.-Dk	Mean Defl.-Dk.	Red. Defl.	Mag	Remarks
980	192	195	—	
1020	488	479	—	
1034	644	623	—	
1010	703	697	—	
1020	718	705	—	
1012	774	765	—	
1029	847	823	—	
1034	818	790	—	
1008	925	917	—	
978	710	728	633	
931	859	919	823	
925	675	731	639	
988	801	811	710	
875	758	868	765	
964	777	808	705	
907	721	793	692	
938	839	895	795	
920	854	928	838	
946	881	933	845	
915	852	932	843	
909	847	935	845	x
907	850	937	847	✓
932	868	930	840	x
914	840	920	829	✓
920	718	780	680	✓
954	796	832	730	✓
934	801	857	751	✓
955	768	807	704	x (inside circle)
928	834	899	799	x
945	668	708	617	✓

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1932phae.proj.1285N

— R.A. 3532 — April 21, 1932

Strip	Star	y	x	Diff.	Diff.	Cl.	Lb.	Volts
	15	1959	748	735	+	1455	546	5.26
	1	2148	440	977	—	1480	547	
	2	—	—	1132	—	1488	547	
	3	—	—	1157	—	1478	547	
	4	—	—	1172	—	1469	549	
	5	—	—	1230	—	1463	547	
	6	—	—	1292	—	1456	554	
	7	—	—	1253	—	1459	553	
	8	—	—	1380	—	1461	553	5.25
	Neg. R.A. 3532 — April 21, 1932							520
	10	1960	703	744	—	1527	563	
	1	2149	394	1012	—	1592	563	
	2	—	—	1213	—	1627	563	
	3	—	—	1243	—	1616	569	
	4	—	—	1252	—	1618	570	
	5	—	—	1298	—	1590	572	
	6	—	—	1423	—	1613	573	
	7	—	—	1388	—	1653	580	
	8	—	—	1580	—	1658	583	
15.4	11 ✓	1547	592	1577	1573	1720	583	
	12 ✓	1550	882	1600	1600	1702	575	
15.6	13 ✓	1559	463	1641	1643	1753	579	
	14 ✓	1571	762	1578	1578	1709	591	
	15 ✓	1561	818	1629	1633	1713	583	
15.8	16 ✓	1590	538	1482	1432	1739	582	
	17 ✓	1590	896	1573	1583	1708	588	
	18 ✓	1583	1117	1478	1490	1722	584	
16.0	19 ✓	1611	709	1563	1580	1743	583	
16.2	20 ✓	1618	351	1592	1553	1783	628	
	21 ✓	1620	505	1624	1622	1758	587	

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1932phae.proj.1285N

Cl.-Dk.	Defl.-Dk.	Red. Defl.	Mag	Remarks
909	189	208	—	
933	430	462	—	
941	585	622	—	
931	610	655	—	
910	629	683	—	
916	683	745	—	
902	738	780	—	
906	700	773	—	
908	827	910	—	
964	181	187	—	
1029	479	437	—	
1064	650	611	—	
1047	674	644	—	
1048	682	650	—	
1018	726	713	—	
1040	850	818	—	
1073	808	753	—	
1075	997	927	—	
1137	992	871	788	4
1127	1025	912	833	✓
1174	1063	910	830	✓
1118	987	886	802	✓
1130	1048	930	852	x
1157	850	735	653	✓
1120	990	884	802	✓
1138	900	790	704	✓
1160	989	855	771	✓
1155	944	820	732	✓
1171	1036	885	802	✓

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1932phae.proj.12850

Hyp-RH 3532 - April 21, 1932.

Strip	Star	Y	X	Diff	Diff	Ce	Dk	Bl+
16.2	22	1623	729	1668	1658	1742	582	
	23	1630	708	1602	1622	1737	582	
	24	1626	882	1576	1564	1693	577	
	25	1621	986	1452	1443	1703	573	
16.4	26	1640	478	1621	1628	1734	567	
	27	1652	582	1614	1603	1718	567	
	28	1650	790	1552	1557	1703	573	
	29	1640	1168	1482	1484	1753	568	
16.6	30	1660	451	1611	1637	1763	553	
	31	1669	665	1637	1642	1778	562	
	32	1643	882	1580	1593	1700	560	
16.8	33	1678	514	1603	1623	1719	563	
	34	1681	542	1564	1558	1731	552	
17.0	35	1701	299	1689	1627	1783	542	
	36	1698	348	1618	1620	1722	552	
	37	1700	344	1592	1573	1721	543	
	38	1715	559	1528	1500	1708	552	
	39	1700	950	1283	1258	1678	552	
	40	1712	1073	1542	1572	1688	553	
	10	1960	710	813	—	1627	552	520
	1	2149	394	1082	—	1723	543	
	2	—	—	1280	—	1718	550	
	3	—	—	1263	—	1743	538	
	4	—	—	1290	—	1698	532	
	5	—	—	1332	—	1672	532	
	6	—	—	1484	—	1628	532	
	7	—	—	1380	—	1656	533	
	8	—	—	1553	—	1653	540	

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1932phae.proj..12650

Q.-Dk.	Mean Dff.-Dk.	Red. Dff.	Mag.	Remarks
1160	1081	932	off curve	
1155	1030	896	812	
1116	983	882	801	
1130	875	773	690	
1167	1057	900	819	
1151	1041	903	822	
1130	981	870	785	
1185	915	770	685	
1210	1071	886	802	
1216	1078	890	809	
1140	1026	902	821	
1156	1050	912	832	
1179	809	686	607	
1241	1091	952	off curve	
1170	1067	918	840	
1178	1039	884	802	
1156	962	832	740	
1126	718	635	535	
1135	1004	889	804	
1075	261	243	—	
1160	539	465	—	
1168	730	625	—	
1205	725	602	—	
1166	758	651	—	
1140	800	702	—	
1096	902	823	—	
1123	847	754	—	
1113	1013	910	—	

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1932phae.proj.12857

Kap - RK 3532 - April 26, 1932.

Strip	Star	y	x	Diff	Diff	cc	dk	Volts.
	14	1960	763	933	—	1823	652	515
	1	2150	456	1268	—	1837	642	
	2	—	—	1417	—	1882	643	
	3	—	—	1516	—	1892	653	
	4	—	—	1484	—	1868	633	
	5	—	—	1537	—	1824	633	
	6	—	—	1602	—	1807	626	
	7	—	—	1593	—	1824	636	
	8	—	—	1772	—	1830	623	
17.2	41 ✓	1731	619	1497	1510	1860	627	
	42 ✓	1727	694	1502	1522	1827	652	
	43 LX	1762	698	1738	1736	1846	634	
	44 ✓	1724	887	1523	1520	1815	641	
	45 ✓	1721	944	1602	1601	1778	633	
	46	1733	1228	1680	1683	1818	632	
	47 *	1720	1242	1693	1702	1783	637	
	48 ✓	1732	1288	1713	1723	1820	637	
17.4	49 ✓	1746	957	1747	1737	1863	662	
	50 ✓	1750	1169	1560	1542	1780	642	
	51 ✓	1742	1254	1657	1633	1757	622	
17.6	52 ✓	1763	328	1697	1700	1797	629	
	53 ✓	1770	449	1646	1624	1813	628	
	54 ✓	1768	951	1686	1688	1797	603	
17.8	55 ✓	1781	339	1582	1566	1677	617	
	56 ✓	1790	371	1522	1506	1661	643	
	57 ✓	1792	433	1563	1592	1717	632	
	58 ✓	1782	691	1559	1563	1722	630	
	59 ✓	1780	973	1614	1632	1707	633	
	60 ✓	1791	1203	1439	1463	1702	616	
18.0	61	1810	482	1247	1253	1682	638	

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1932phae.proj.1285M

d-Dk	Mean. Diff. Dk	Red Diff	Mag	Remarks
1171	281	240	—	
1195	626	525	—	
1239	774	625	—	
1239	863	698	—	
1235	851	690	—	
1191	904	757	—	
1181	976	825	—	
1188	967	805	—	
1207	1049	870	—	
1233	877	714	606 ✓	
1175	860	733	623 ✓	
1212	1103	913	838 ✓	
1174	881	752	644 ✓	
1145	969	843	744 ✓	
1186	1050	898	810 ✓	
1146	1061	923	852 x	
1183	1081	930	off curve ✓	
1201	1080	897	810 ✓	
1138	909	798	690 ✓	
1135	1023	902	820 ✓	
1168	1069	913	839 ✓	
1185	992	840	741 ✓	
1194	1084	912	838 ✓	
1060	957	801	698 ✓	
1168	921	787	680 ✓	
1085	946	797	690 ✓	
1092	931	780	673 ✓	
1074	990	842	744 ✓	
1086	832	702	594 ✓	
1044	612	583	490 ✓	

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1932phae.proj.12857

Kapteyn - RA 0532 - April 26, 1932.

Strip	Star	y	x	diff	diff	cc.	dk	Volts
	62	1802	878	1558	1548	1716	652	
	63	1803	1101	1470	1493	1743	648	
	64	1800	1307	1648	1633	1722	637	
18.2	65	1820	689	1623	1628	1757	648	
18.4	66	1854	241	1690	1666	1752	652	
	67	1838	837	1608	1590	1704	633	
18.6	68	1871	675	1380	1383	1681	642	
	69	1862	865	1422	1419	1691	640	
	70	1870	1009	1582	1587	1687	623	
	71	1866	1103	1536	1522	1682	632	
	72	1870	1213	1482	1482	1692	623	
	73	1870	1365	1533	1559	1713	633	
18.8	74	1889	923	1573	1568	1657	627	
	75	1880	969	1513	1537	1647	628	
	76	1881	1001	1522	1508	1640	633	
	77	1890	1142	1222	1213	1632	633	
19.0	78	1919	341	1412	1402	1730	623	
	79	1903	987	1573	1566	1662	643	
	80	1905	1094	1514	1532	1677	642	
	81	1911	1183	1408	1416	1667	647	
19.2	82	1930	289	1429	1418	1705	633	
	83	1920	519	1540	1543	1688	633	
	84	1921	533	1187	1192	1672	633	
	85	1932	863	1538	1543	1638	633	
	86	1920	903	1444	1442	1663	620	
	87	1932	1178	1548	1535	1642	623	
19.4	88	1950	603	1400	1403	1657	627	
	89	1950	1217	1483	1468	1663	620	
	90	1950	326	1407	1457	1648	622	
19.6	91	1971	338	1363	1363	1704	624	

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1932phae.proj.12851

Cl-Dk	Mean Defl-Dk	Red Defl	Mag.	Remarks
1064	901	850	752	
1095	834	762	653	
1085	1003	922	850	
1109	978	880	790	
1100	1026	933	864	
1071	966	899	810	
1039	740	712	601	
1051	780	740	630	
1064	961	902	820	
1050	897	857	760	
1069	809	753	642	
1080	913	843	745	
1030	939	909	830	
1019	897	881	791	
1007	882	873	782	
999	579	580	488	
1097	774	708	599	
1019	927	910	831	
1035	881	851	752	
1020	765	750	641	
1072	791	739	629	
1055	909	866	771	
1039	557	538	457	
1005	907	901	819	
1043	823	785	680	
1019	919	903	821	
1030	775	753	644	
983	856	870	778	
1026	832	812	710	
1080	739	684	575	

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1932phae.proj.12850

Kap-RX 3532 - April 26, 1932.

Strip	Star	y	x	dify	difx	cc	dk	Volts
	92 X	1970	626	1564	1548	1637	621	
	93 ✓	1970	810	1466	1467	1620	618	
	94 ✓	1961	1160	1508	1500	1620	623	
	95 ✓	1963	1200	1437	1426	1607	603	
19.8	96 ✓	1991	395	1313	1317	1643	606	
	97 ✓	1997	483	1365	1362	1674	623	
	98 ✓	1980	994	1416	1414	1618	612	
20.0	99 ✓	2004	674	1094	1103	1603	619	
	100 ✓	2010	811	1441	1442	1617	623	
	101 ✓	2010	917	1353	1340	1611	619	
	102 ✓	2010	1137	1387	1370	1632	630	
20.2	103 ✓	2023	344	1416	1413	1672	603	
	104 ✓	2020	486	1493	1503	1637	622	
20.4	105 ✓	2047	343	1513	1517	1663	618	
	106 ✓	2045	612	1532	1521	1632	633	
	107 ✓	2050	799	1489	1487	1609	631	
	108 ✓	2035	1076	1503	1542	1619	632	
20.6	109 ✓	2070	393	1284	1283	1643	632	
	110 ✓	2067	446	1474	1482	1641	637	
	111 ✓	2067	479	1450	1442	1660	633	
	112 ✓	2071	610	1497	1498	1603	643	
	113 ✓	2059	678	1457	1460	1637	643	
	114 ✓	2053	874	1490	1486	1602	642	
	115 ✓	2068	1328	1520	1538	1608	633	
	1	1960	763	863	—	1563	638	
	1	2150	456	1132	—	1598	627	
	2	—	—	1266	—	1649	612	
	3	—	—	1309	—	1607	622	
	4	—	—	1318	—	1622	618	
	5	—	—	1363	—	1596	608	

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1932phee.proj.12850

Q.-Dk.	Mean Diff-Dk.	Red Diff	Mag.	Remarks
1016	935	923	851	
1002	848	845	747	
997	881	883	795	
1004	829	821	720	
1037	709	684	576	
1051	741	703	593	
1006	803	799	691	
984	479	485	421	
994	819	824	724	
992	727	732	622	
1002	748	745	636	
1069	811	760	657	
1015	876	864	771	
1045	897	858	760	
999	893	893	807	
978	857	878	788	
987	890	901	820	
1011	652	643	541	
1004	841	836	738	
1027	813	791	689	
1010	855	848	749	
994	815	819	716	
960	846	881	792	
975	896	918	840	
925	225	243	212	
971	505	521	444	
1037	654	630	529	
985	687	699	588	
1004	700	697	588	
990	755	763	655	

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1932phae.proj.1285M

M.M – RH 3532 – April 26, 1932

Strip	Star	y	x	Defl.	Defl.	Cl.	Dk.	Volt.
	6	—	—	1397	—	1583	596	
	7	—	—	1362	—	1560	597	
	8	—	—	1507	—	1587	599	520
	1s	1960	763	818	—	1600	658	5.20
	1	2150	456	1110		1652	663	
	2	—	—	1320	—	1651	652	
	3	—	—	1348	—	1647	662	
	4	—	—	1322	—	1642	658	
	5	—	—	1421	—	1645	662	
	6	—	—	1469	—	1638	668	
	7	—	—	1459	—	1645	678	
	8	—	—	1572	—	1652	677	
20.8	116 ✓	2078	3270	1478	1457	1701	673	
	117 ✓	2097	372	1433	1448	1678	672	
	118 ✓	2081	789	1509	1570	1642	662	
	119	2098	1260	1536	1547	1632	661	
21.0	120 ✓	2111	258	1582	1590	1695	667	
	121	2110	340	1449	1439	1700	678	
	122 ✓	2116	603	1252	1234	1641	672	
	123	2103	726	1437	1428	1652	687	
21.2	124 ✓	2125	258	1585	1508	1682	669	
	125 ✓	2128	322	1457	1472	1691	672	
	126 ✓	2125	322	1570	1538	1652	662	
	127	2126	451	1560	1576	1688	688	
	128 ✓	2118	1061	1491	1490	1648	695	
	129 ✓	2128	1165	1518	1532	1625	675	
	130 ✓	2125	1232	1521	1528	1662	688	
	131 ✓	2131	1345	1592	1602	1668	693	
21.4	132 ✓	2154	942	1461	1467	1628	653	
	133	2144	1315	1542	1552	1639	686	

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1932phae.proj.1285N

Cl.-Dk	Mean Dyf.-Dk	Red. Dyff.	Mag	Remarks
990	804	813	—	
963	765	794	—	
988	908	920	—	
942	210	223	—	
989	447	454	—	
999	668	670	—	
985	686	697	—	
994	664	667	—	
983	769	771	—	
970	801	826	—	
967	781	809	—	
975	895	918	—	
1028	791	769	661 ✓	
1006	768	760	651 ✓	
980	848	867	778 ✓	
971	881	904	828 ✓	
928	919	990	off curve ×	
1022	766	747	641 ✓	
969	571	590	579 ✓	
965	745	770	662 ✓	
1013	837	828	730 ✓	
1019	792	780	678 ✓	
990	862	872	785 ✓	
1000	880	880	796 ✓	
953	795	834	740 ✓	
950	850	895	812 ✓	
974	836	857	764 ✓	
975	904	927	854 +	
975	811	831	738 ✓	
953	861	903	825 ✓	

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1932phae.proj.12850

m m. — RH 3532 — April 26, 1932

Strip	Star	y	x	Dyl.	Dyl.	Cl.	Dk.	wolf n.
21.6	134	2171	651	1472	1488	1652	692	
	135	2175	919	1507	1500	1645	690	
21.8	136	2189	351	1635	1634	1727	688	
	137	2194	371	1544	1539	1679	686	
	138	2179	418	1493	1502	1662	682	
	139	2194	665	1331	1323	1628	673	
	140	2182	806	1543	1551	1608	672	
	141	2194	937	1533	1518	1598	668	
	142	2182	1012	1503	1503	1589	663	
	143	2196	1264	1491	1490	1606	672	
22.0	144	2201	442	1517	1538	1644	669	
	145	2215	790	1522	1525	1615	669	
	146	2213	952	1509	1528	1604	675	
22.2	147	2225	448	1295	1304	1640	674	
	148	2234	448	1263	1272	1638	671	
	149	2233	503	1429	1459	1639	680	
	150a	2221	644	1051	1092	1610	670	
	150b	2231	729	1481	1484	1605	671	
	151	2230	814	1541	1521	1592	663	
	152	2220	901	1207	1212	1570	667	
	153	2234	1022	1437	1419	1572	659	
	154	2239	1029	1301	1291	1588	667	
	155	2219	1275	1262	1279	1564	661	
22.4	156	2245	243	1556	1567	1599	659	
	157	2241	687	1492	1497	1592	660	
	158	2248	762	1501	1509	1589	659	
	159	2251	1172	1269	1258	1562	659	
22.6	160	2262	681	1364	1388	1579	658	
	161	2275	800	1434	1422	1565	658	
	162	2261	933	1381	1375	1601	652	

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1932phae.proj..1285N

cl – Ok	Mean Defl – Ok	Red Defl	Mag.	Remarks
960	788	821	722	
955	814	853	761	
1039	946	913	840	
993	856	860	768	
980	816	829	730	
955	654	687	588	
936	875	936	off curve	
930	858	920	844	
926	840	907	830	
934	818	870	781	
975	859	880	796	
946	855	903	822	
929	843	909	830	
966	626	648	557	
967	597	619	538	
959	764	798	695	
940	402	427	414	
934	811	867	778	
929	868	933	off curve	
903	533	591	521	
913	769	840	744	
921	629	680	583	
903	609	673	580	
940	903	960	off curve	(outside circle)
932	834	896	814	
930	846	909	829	
903	605	669	575	
921	720	781	680	
907	770	851	759	
949	726	769	660	

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1932phae.proj.1285N

m. m. – RH 3532 – April 26, 1932.

Strip	Star	y	y	Defl.	Defl.	Cl.	Dk.	Wolf
	163	2274	1021	1371	1358	1532	653	
	1s	1959	763	862	—	1538	648	
	1	2150	456	1091	—	1579	646	
	2	—	—	1242	—	1597	648	
	3	—	—	1281	—	1578	642	
	4	—	—	1278	—	1567	642	
	5	—	—	1349	—	1591	647	
	6	—	—	1397	—	1562	648	
	7	—	—	1388	—	1542	642	
	8	—	—	1478	—	1562	641	5.20

2 yp – RH 3532 – April 26, 1932.

	1b	1960	722	990	—	1832	696	530
	1	2150	423	1208	—	1873	716	
	2	—	—	1458	—	1948	702	
	3	—	—	1509	—	1892	703	
	4	—	—	1523	—	1903	703	
	5	—	—	1592	—	1877	708	
	6	—	—	1667	—	1859	698	
	7	—	—	1614	—	1858	723	
	8	—	—	1783	—	1867	699	
22.8	164	2291	358	1408	1428	1893	703	
	165	2226	683	1563	1582	1877	692	
23.2	166	2332	847	1453	1456	1862	697	
23.4	167	2340	597	1408	1407	1890	697	
	168	2337	903	1313	1332	1857	691	
	169	2307	1129	1577	1591	1862	692	
23.6	170	2362	689	1714	1747	1870	682	
	171	2370	553	1699	1686	1847	683	
	172	2370	788	1672	1652	1822	686	

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1932phae.proj.1285N

Q.-Dk.	Mean Deff.-Dk.	Red. Deff.	Mag.	Remarks
899	711	~~640~~ 792	~~552~~ 691 4	
910	214	235	—	
931	445	478	—	
949	594	626	—	
936	639	682	—	
925	636	688	—	
924	702	760	—	
914	749	819	—	
900	746	829	—	
921	837	908	—	
1136	294	258	—	
1157	592	512	—	
1246	756	608	—	
1189	806	679	—	
1200	820	682	—	
1169	884	756	—	
1161	969	834	—	
1155	914	790	—	
1168	1084	928	—	
1190	715	601	530 4	
1185	880	741	646 ✓	
1165	757	650	566 ✓	
1193	711	598	522 ✓	
1166	627	536	481 ✓	
1170	892	764	668 ✓	
1188	1048	880	797 ✓	
1164	1009	869	780 ✓	
1136	976	860	771 ✓	

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1932phae.proj.12850

Alpha RT 3532 - April 27, 1932

Strip	Star	y	x	Diff	Diff	Ce	Ob	Volts
	173	2376	797	1757	1748	1890	692	
24.0	174	2400	561	1712	1707	1893	688	
	175	2404	683	1683	1667	1863	693	
	176	2404	821	1482	1493	1833	701	
24.2	177	2427	543	1424	1378	1877	703	
	178	2428	978	1682	1643	1853	722	
24.4	179	2449	632	1460	1450	1870	704	
	180	2441	1067	1623	1627	1847	703	
	181	2451	1103	1543	1527	1878	692	
24.6	182	2467	592	1568	1456	1857	667	
	183	2457	656	1662	1673	1802	642	
	184	2472	830	1563	1513	1800	637	
24.8	185	2484	537	1602	1593	1850	623	
	186	2478	572	1383	1384	1796	619	
	187	2497	700	1433	1389	1803	642	
25.0	188	2507	762	1512	1522	1782	630	
	189	2507	789	1440	1348	1792	647	
	190	2500	798	1556	1553	1782	643	
	191	2503	867	1607	1596	1773	639	
25.2	192	2530	697	1432	1440	1783	658	
25.4	193	2540	873	1588	1613	1743	630	
	10	1960	722	880	—	1628	636	650
Plate	1	2100	423	1107	—	1692	643	
	2	—	—	1318	—	1708	618	
	3	—	—	1353	—	1706	623	
Limit	4	—	—	1343	—	1723	629	
	5	—	—	1420	—	1703	646	
	6	—	—	1428	—	1610	641	
	7	—	—	1423	—	1640	653	
	8	—	—	1523	—	1630	632	

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1932phae.proj.1285w

α. Dk.	Mean Defl.–Dk.	Red. Defl.	mag	Remarks
1198	1060	885	802	
1205	1022	850	756	
1170	982	840	746	
1132	787	698	604	
1174	698	595	522	
1131	939	830	738	
1166	751	642	560	
1144	922	806	709	
1186	843	710	618	
1190	845	712	621	Large difference in defl. reading
1160	1026	885	802	
1163	901	775	681	
1247	995	794	699	
1177	765	652	570	
1161	765	657	571	Large difference in defl. reading
1152	881	771	675	
1145	747	652	570	Large difference in defl. reading
1139	911	801	702	
1134	963	850	758	
1133	786	695	602	
1113	870	782	690	
995	247	248	—	
1049	464	443	—	
1140	700	614	—	
1083	730	673	—	
1094	714	652	—	
1057	774	732	—	
969	787	812	—	
1987	770	780	—	
998	891	893	—	

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1932phae.proj.12857

2 Gp - R.A. 0533 - April 27, 1932.

Strip	Star	y	x	Δy	Δx	cc	ck	Volts
	18	1964	748	748	—	1468	657	520
	1	2167	449	939	—	1507	653	
	2	—	—	1091	—	1597	662	
	3	—	—	1128	—	1600	658	
	4	—	—	1142	—	1553	627	
	5	—	—	1188	—	1553	653	
	6	—	—	1282	—	1573	641	
	7	—	—	1292	—	1610	640	
	8	—	—	1479	—	1637	643	
14.4	✓1	1447	656	1352	1357	1752	653	
14.8	✓2	1490	681	1546	1560	1703	652	
	✓3	×1497	773	1412	1420	1695	654	
15.0	✓4	1502	528	1519	1492	1752	650	
	✓5	×1497	773	1392	1375	1681	640	
	✓6	1501	997	1546	1529	1667	647	
15.2	✓7	1529	988	1618	1618	1680	641	
15.6	✓8	1561	503	1600	1563	1692	633	
	✓9	1558	718	1548	1583	1638	618	
	✓10	1555	935	1482	1477	1631	632	
15.8	✓11	1597	589	1327	1313	1652	632	
	✓12	1577	814	1503	1468	1652	617	
	✓13	1592	947	1480	1458	1612	617	
	✓14	1590	1168	1312	1310	1600	609	
16.2	✓15	1620	402	1443	1433	1080	608	
	✓16	1624	557	1438	1437	1553	620	
	✓17	1618	760	1392	1363	1532	622	
	✓18	1630	932	1443	1393	1563	612	
	✓19	1628	1027	1288	1270	1577	623	
16.4 R.	✓20	1641	528	1554	1532	1663	648	
	✓21	1647	1217	1317	1323	1666	652	5.37

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1932phae.proj.12851

Cl.-Dk.	Mean. Deff.-Dk.	Red. Defl.	mag.	Remarks
811	91	112	—	
854	286	334	—	
935	429	458	—	
942	460	488	—	
926	515	555	—	
900	535	595	—	
932	641	689	—	
970	652	673	—	
994	836	841	—	
1099	701	639	683 ✓	
1051	901	858	848 ✓	
1041	762	734	754 ✓	
1102	856	778	788 ✓	
1041	744	715	743 ✓	
1020	891	875	off curve ✓	
1039	977	944	off curve ✓	
1059	949	897	off curve ✓	
1020	948	930	off curve ✓	
999	847	849	842 ✓	
1020	688	676	713 ✓	
1035	869	840	834 ✓	
995	852	856	846 ✓	
991	702	710	738 ✓	
972	850	875	off curve ✓	
913	818	897	off curve ✓	
910	755	830	826 ✓	
951	791	832	827 ✓	
954	656	688	722 ✓	
1015	897	885	off curve ✓	
1014	668	660	743 ✓	

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1932phae.proj.12857

P. S. R. – R. A. 3533 – April 27, 1932

Trip	Star	y	x	dyfl	dxfl	ce	dk	Tot
16.4 (Cont.)	✓22	1657	631	1545	1548	1682	662	5.37
	✓23	1652	840	1475	1464	1683	661	
16.6	✓24	1663	500	1510	1518	1656	655	
	✓25	1671	715	1556	1559	1688	659	
	✓26	1679	932	1518	1497	1657	643	
16.8	✓27	1680	564	1533	1504	1654	633	
	✓28	1686	594	1200	1199	1628	620	
	×29	1699	598	1560	1557	1718	659	
17.0	✓30	1704	350	1558	1556	1689	681	
	✓31	1703	404	1502	1470	1692	676	
	✓32	1704	1000	1143	1133	1632	666	
	✓33	1718	610	1402	1406	1648	655	
	✓34	1718	1123	1475	1477	1608	657	
17.2	✓35	1729	684	1237	1232	1650	657	
	✓36	1729	876	1239	1218	1644	640	
	✓37	1728	934	1334	1327	1650	653	
	✓38	1736	609	1222	1208	1670	646	
	✓39	1739	1219	1441	1424	1643	647	
	✓40	1739	1278	1488	1500	1660	650	
	1s	1962	749	744	—	1664	656	
	1	2167	449	899	—	1640	668	
	2	—	—	1097	—	1686	659	
	3	—	—	1112	—	1653	656	
	4	—	—	1057	—	1633	651	
	5	—	—	1178	—	1595	647	
	6	—	—	1237	—	1596	661	
	7	—	—	1220	—	1560	643	
	8	—	—	1403	—	1552	639	5.35

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1932phae.proj.12851

Cl.-Dk	mean Defl.-Dk.	Red. Defl.	Mag.	Remarks
1020	884	866	857 ✓	
1022	808	791	816	
1001	859	859	854 ✓	
1029	899	875	✓ off curve	
1014	865	855	850 ✓	
1021	885	867	✓ off curve	
1008	580	576	690 ✓	
1059	899	850	847 ✓	
1008	876	872	✓ off curve	
1016	810	798	820 ✓	
966	472	486	626 ✓	
993	749	754	795 ✓	
951	819	861	off curve	
993	577	583	✓ 694 ✓	
1004	588	586	696 ✓	
997	677	679	753 ✓	
1024	569	557	677 ✓	
996	785	786	814	
1010	844	835	841 ✓	
1008	88	87	—	
972	231	237	—	
1027	438	425	—	
997	456	457	—	
982	406	414	—	
948	531	560	—	
935	576	616	—	
917	577	628	—	
913	764	835	—	

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1932phae.proj.12857

m, m. — RH 3533 — April 27, 1932.

Strip	Star	Y	X	dyll	dyll	Cc	Dc	Volts
	1s	4962	749	752	—	1550	640	5.35
	1	2167	449	899	—	1602	641	
	2	—	—	1095	—	1608	640	
	3	—	—	1150	—	1586	638	
	4	—	—	1108	—	1582	638	
	5	—	—	1222	—	1552	636	
	6	—	—	1248	—	1552	638	
	7	—	—	1288	—	1540	636	
	8	—	—	1406	—	1534	639	
17.4	✓41	1748	347	1500	1500	1592	641	
	✓42	1743	554	1488	1468	1589	638	
	✓43	1753	1160	1321	1292	1548	641	
	✓44	1749	1243	1439	1412	1569	635	
17.6	✓45	1765	822	1504	1482	1625	658	
	✓46	1772	439	1412	1399	1611	653	
	✓47	1771	940	1472	1452	1582	659	
17.8	✓48	1785	322	1489	1472	1598	663	
	✓49	1793	360	1438	1442	1588	662	
	✓50	1796	422	1482	1488	1600	669	
	✓51	1786	581	1418	1458	1602	673	
	✓52	1783	962	1462	1448	1603	680	
	✓53	1797	1192	1289	1258	1578	689	
18.0	✓54	1810	470	1102	1112	1632	692	
	✓55	1806	869	1400	1392	1618	692	
	✓56	1802	994	1510	1508	1609	710	
	✓57	1807	1090	1272	1259	1608	715	
	✓58	1802	1296	1498	1477	1632	720	
18.2	✓59	1825	679	1500	1472	1638	720	
18.4	✓60	1856	260	1572	1562	1662	718	
	✓61	1843	320	1302	1300	1672	618	

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1932phae.proj.12851

cl-Dk	mean Dep-Dk	Rd Dep	mag	Remarks
910	112	123	—	
961	258	268	—	
968	455	469	—	
948	512	540	—	
944	470	498	—	
916	586	640	—	
914	610	667	—	
904	652	720	—	
895	767	858	—	
951	859	903	off curve	
951	840	884	851	
907	665	733	737	
934	791	847	820	
967	835	864	833	
958	753	785	774	
923	803	870	840	
935	817	875	844	
926	778	840	814	
931	816	876	845	
929	765	824	803	
923	775	840	814	
889	585	657	684	
940	415	442	540	
926	704	758	756	
899	799	887	854	
893	551	616	655	
912	768	843	815	
918	766	835	809	
944	849	910	off curve	
1004	633	631	665	

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1932phae.proj.128M

m. m. — R.H. 3533 — April 27, 1932.

Strip	Star	y	x	dyll	dyll	ce	dk	Pts
18.6	✓64	1876	664	1222	1238	1628	693	
	✓65	1866	854	1272	1255	1622	712	
	✓66	1870	1090	1358	1409	1602	710	
18.4	✓62	1840	828	1570	1492	1627	698	
	✓63	1847	883	1528	1512	1622	702	
18.6 cont.	✓67	1873	1202	1310	1278	1628	733	
	✓68	1862	1302	1558	1539	1628	735	
	✓69	1875	1353	1419	1408	1638	748	
18.8	✓70	1892	912	1511	1504	1652	752	
	✓71	1883	958	1451	1476	1648	746	
	✓72	1887	989	1509	1488	1658	741	
	✓73	1892	1130	1139	1110	1623	738	
19.0	✓74	1910	330	1376	1342	1661	723	
	✓75	1917	718	1447	1422	1658	752	
	✓76	1907	973	1543	1508	1665	757	
	✓77	1909	1082	1426	1418	1650	758	
	✓78	1916	1172	1281	1298	1632	749	
19.2	✓79	1923	278	1260	1228	1662	718	
	✓80	1921	508	1422	1431	1647	742	
	✓81	1925	522	1058	1655	1647	760	
	✓82	1920	833	1509	1505	1649	751	
	✓83	1936	851	1496	1491	1650	752	
	✓84	1922	894	1356	1334	1661	742	
19.4	✓85	1950	592	1298	1268	1634	739	
	✓86	1957	900	1539	1526	1629	721	
	✓87	1947	1107	1481	1462	1612	726	
	✓88	1939	1168	1445	1447	1618	729	
	✓89	1955	1206	1375	1369	1647	737	
	✓90	1954	1296	1322	1318	1622	725	
P.S.R. 19.6	✓91	1967	1149	1456	1453	1657	728	5.31

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1932phae.proj.1285M

d-Dk.	Mean Defl-Dk	Rd Defl	mag	Remarks
935	537	585	631	
910	552	606	648	
892	674	755	754	
929	803	865	835	
920	818	890	856	
895	561	626	663	
893	813	910	off curve	
890	766	861	831	
900	756	840	814	
902	718	796	782	
917	757	825	803	
885	386	436	535	
938	636	678	698	
906	682	752	752	
898	769	855	827	
892	764	855	827	
883	540	612	652	
944	526	557	613	
905	684	755	754	
887	296	334	469	
898	756	842	814	
898	742	825	804	
919	603	655	683	
895	544	606	648	
908	811	893	858	
886	746	842	814	
899	717	797	783	
910	635	697	712	
897	595	663	715	
929	726	782	804	

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1932phae.proj.1285M

P.S.R. – R.A. 3533 – April 27, 1932

Strip	Star	y	x	Δeff	Δeff	Ce	Δk	Facts
19.6 (Cont.)	✓92	1969	1189	1358	1332	1660	732	5.31
	✓93	1974	326	1258	1223	1712	742	
	✓94	1974	798	1380	1370	1648	738	Jahnamometer
19.8	✓95	1986	250	1509	1552–1531	1697	730	Creeping a good deal.
	✓96	1983	983	1271	1253	1622	698	
	✓97	1997	384	1202	1200	1658	708	
	✓98	1999	473	1235	1216	1620	696	
20.0	✓99	2008	663	973	936	1627	688	
	✓100	2013	800	1327	1297	1591	683	
	✓101	2016	905	1190	1158	1598	675	
	✓102	2015	1125	1198	1218	1586	683	
	15	1962	749	775	—	1602	668	
	1	2167	479	904	—	1592	663	
	2	—	—	1088	—	1576	678	
	3	—	—	1128	—	1586	664	
	4	—	—	1082	—	1581	657	
	5	—	—	1214	—	1583	660	
	6	—	—	1262	—	1563	653	
	7	—	—	1250	—	1557	654	
	8	—	—	1392	—	1553	658	5.30

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1932phae.proj..1285M

Cl.–Dk.	Mean Defl–Dk	Red Defl	Mag.	Remarks
928	613	660	714 ✓	
970	498	514	607 ✓	
910	637	700	745 ✓	
967	790	816	830	2
924	564	610	676 ✓	
950	493	518	610 ✓	
924	530	574	650 ✓	
939	266	284	453 ✓	
908	629	691	737 ✓	
923	499	541	627 ✓	
903	525	582	654 ✓	
934	107	115	—	
929	241	359	—	
898	410	457	—	
922	464	503	—	
924	425	460	—	
923	554	600	—	
910	609	669	—	
903	596	657	—	
895	734	820	—	

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1932phae.proj.12857

P. S. R. - R. A. 3533 - april 28, 1932

Shift	Star	y	x	Hyll	Hyll	Q	Dc.	Volts
	15	4962	716	832	—	1637	690	5.21
	1	2166	417	1103	—	1637	689	
	2	—	—	1203	—	1638	684	
	3	—	—	1246	—	1610	681	
	4	—	—	1233	—	1613	683	
	5	—	—	1259	—	1603	682	
	6	—	—	1337	—	1580	673	
	7	—	—	1372	—	1553	672	
	8	—	—	1446	—	1570	672	5.20
20.2	✓103	2021	444	1449	1450	1610	652	
	✓104	2020	906	1424	1425	1558	654	
	✓105	2022	1314	1447	1424	1536	649	
	✓106	2036	289	1322	1327	1594	647	
	✓107	2039	1032	1373	1356	1479	630	
20.4	✓108	2048	290	1364	1345	1500	624	
	✓109	2048	581	1367	1350	1478	620	
	✓110	2049	301	1361	1339	1518	622	
	✓111	2052	756	1312	1324	1470	635	
	✓112	2058	833	1286	1256	1479	629	
	✓113	2056	1215	1383	1399	1484	639	
20.6	✓114	2069	403	1304	1323	1505	649	5.19
	✓115	2069	439	1308	1300	1522	646	
	116	2060	634	1294	1306	1528	647	
	✓117	2061	1161	1420	1406	1558	647	
	✓118	2070	350	1180	1127	1571	633	
	✓119	2075	567	1340	1340	1560	645	
	✓120	2070	1285	1392	1383	1548	648	
20.8	✓121	2080	260	1312	1303	1573	637	
	✓122	2085	746	1382	1356	1517	624	
	✓123	2099	331	1229	1219	1510	630	5.19

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1932phae.proj.1285M

cl-Dk	mean Def-Dk	Red Def	Mag	Remarks
947	142	150	—	
948	414	435	—	
954	519	545	—	
929	565	609	—	
930	550	592	—	
921	577	626	—	
907	664	731	—	
881	670	759	—	
898	774	861	—	
958	797	831	807	
904	770	852	832	
887	786	886	off curve	
947	677	715	693	
849	734	864	844	
876	730	834	810	
858	738	860	840	
896	728	812	790	
835	683	816	795	
850	642	754	733	
845	752	890	off curve	
856	665	775	755	
876	658	750	728	
881	653	740	718	
911	766	841	818	
938	521	555	548	
915	695	760	740	
900	740	822	800	
936	671	716	694	
893	745	835	813	
880	594	675	656	

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1932phae.proj.12853

D.S.A. – R.A. 35 33 – April 28, 1932

Strip	Star	y	x	Diff.	Diff.	Cl.	Obs.	Notes
21.0	124	2108	684	1223	1210	15 25	622	5.19
	125	2103	1217	1413	1397	15 45	643	
	126	2114	298	1318	1293	1590	648	
	127	2119	562	1082	1043	15 72	658	
21.2	128	2128	206	1412	1371	1623	652	
	129	2126	280	1447	overlap	1596	637	
	130	2130	279	Images	1348	15 72	653	
	131	2126	421	1440	1410	1573	648	
	132	2122	1019	1308	1296	1498	643	
	133	2133	1124	1383	1375	1567	616	
	134	2130	1190	1370	1366	1593	608	
21.4	135	2158	900	1341	1296	1572	617	
	136	2150	1272	1413	1402	1518	606	5.17
21.6	137	2160	1052	1339	1331	1460	603	
21.8	138	2198	339	1339	1341	1492	595	
	139	2183	378	1288	1235	1469	610	
	140	2178	610	1227	1209	1422	602	
	141	2197	622	1113	1101	1451	609	
	142	2178	878	1283	1262	1469	608	
	143	2188	970	1327	1312	1448	603	
22.0	144	2202	400	1362	1332	1470	608	
	145	2203	532	1371	1369	1478	592	
	146	2202	639	1400	1388	1483	607	
	147	2200	801	1386	1372	1472	592	
?	148	e200	1222	1298	1302	1462	598	
22.2	149	2228	403	1113	1055	1522	613	
	150	2238	407	1033	1038	1522	602	
	151	2225	602	843	832	1514	605	
	152	2234	688	1328	1292	1482	612	
	153	2222	858	978	1027	1472	608	

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1932phae.proj.1285w

Cl.-No.	mean Defl-Dk	Red Defl	Mag	Remarks
903	594	657	639	
902	762	845	824	
942	658	699	677	
914	404	442	448	
971	740	763	743	
959	810	845	824	only one field star measured
919	695	756	736	" " " " "
925	777	840	818	
855	659	770	750	
951	763	802	781	
985	760	770	750	
955	701	735	714	
912	802	880	off curve	
857	732	854	853	
897	745	830	829	
859	652	758	767	
820	616	752	762	
842	498	593	643	
861	664	770	776	
845	716	848	848	
862	739	857	856	
886	778	878	off curve	
876	787	899	off curve	
880	787	895	off curve	
864	702	814	813	
909	471	518	588	
920	433	470	554	
909	233	256	422	
870	698	802	803	
864	394	456	546	

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1932phae.proj.12850

m. m. – RH 3533 – April 28, 1932.

Strip	Star	y	x	Defl.	Defl.	Cl.	Db.	Volt.
	✓154	2224	1232	1015	1012	1487	605	
22.4	✓155	2245	644	1368	1359	1500	609	
	✓156	2239	981	1275	1259	1488	602	
	✓157	2242	986	1088	1045	1446	599	
	✓158	2255	1130	1038	1042	1458	608	
22.6	✓159	2267	640	1265	1202	1448	601	
	✓160	2268	878	1380	1355	1468	602	
	✓161	2268	891	1187	1190	1479	593	
22.8	✓162	2288	682	1227	1198	1531	595	
	✓163	2278	758	1310	1320	1522	608	
23.0	✓164	2306	910	1413	1442	1522	606	
	✓165	2309	920	1402	1406	1515	598	
	✓166	2310	1199	1412	1410	1540	608	
	1s	1962	716	692	—	1552	592	
	1	2166	417	869	—	1562	598	
	2	—	—	1082	—	1588	606	
	3	—	—	1117	—	1561	608	
	4	—	—	1091	—	1552	602	
	5	—	—	1158	—	1544	608	
	6	—	—	1237	—	1538	608	
	7	—	—	1262	—	1515	588	
	8	—	—	1358	—	1512	587	

2 Jp - R H 3533 - April 28, 1932

1s	1962	740	667	—	1468	600	510
1	2168	442	819	—	1492	603	
2	—	—	1093	—	1502	613	
3	—	—	1052	—	1533	620	
4	—	—	1017	—	1522	632	
5	—	—	1143	—	1499	619	
6	—	—	1199	—	1496	622	

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1932phae.proj..1285M

A.-Dk	mean Defl-Dk	Red Defl	Mag.	Remarks
882	409	464	550	
891	755	846	845	
886	660	745	756	
847	463	545	608	
850	432	506	580	
847	633	745	756	
866	766	885	offcurve	
886	595	671	699	
936	617	659	689	
914	707	775	780	
916	822	895	offcurve	
917	806	880	offcurve	
932	803	860	858	
960	100	104	—	
964	271	280	—	
982	476	485	—	
953	509	534	—	
950	489	515	—	
936	550	588	—	
930	629	676	—	
927	674	726	—	
925	771	832	—	
868	63	73	—	
889	216	243	—	
889	420	472	—	
913	432	473	—	
890	385	433	—	
880	524	595	—	
874	577	654	—	

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1932phae.proj.1285M

Hyp - RA 3533 - April 28, 1932.

Hour	Star	y	x	Diff	Diff	Ce	Clk	Volts
	7	—	—	1478	—	1498	622	
	8	—	—	1352	—	1353	613	
23.2	167	2338	869	1027	1013	1503	622	
23.4	168	2341	619	1032	1032	1533	623	
	169	2340	975	980	870	1503	648	
23.6	170	2370	524	1440	1423	1527	640	
	171	2368	712	1371	1360	1521	642	
	172	2374	777	1362	1308	1546	653	
	173	2360	1052	1203	1127	1532	643	
23.8	174	2378	810	1320	1297	1523	651	
	175	2380	820	1383	1360	1528	658	
24.0	176	2400	583	1353	1312	1543	642	
	177	2409	704	1349	1322	1523	660	
	178	2409	842	1123	1130	1532	649	
24.2	179	2420	557	1013	1013	1567	653	
	180	2430	1092	1292	1293	1532	658	
24.4	181	2451	653	1122	1043	1552	663	
	182	2449	1089	1256	1223	1548	660	
	183	2457	1127	1137	1123	1500	663	
24.6	184	2470	617	1147	1053	1500	653	
	185	2460	678	1412	1353	1547	650	
24.8	186	2489	559	1303	1287	1523	638	
	187	2480	576	1103	1153	1562	653	
	188	2478	853	1263	1192	1530	653	
25.0	189	2500	722	1108	1033	1537	653	
	190	2510	784	1222	1212	1492	603	
	191	2510	853	1038	1005	1523	652	
	192	2504	821	1307	1322	1517	637	
	193	2510	888	1343	1300	1518	640	
25.2	194	2531	719	1164	1139	1507	633	

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1932phae.proj.1265M

d.-Dk.	mean Deff-Dk	Red Deff	mag	Remarks
876	556	635	—	
900	739	821	—	
881	398	452	564	
910	409	479	562	
860	242	282	458	
887	792	892	off curve	
885	724	816	833	
893	707	793	813	
889	522	586	660	
872	657	755	784	
870	714	820	835	
901	690	765	792	
863	675	784	805	
883	477	540	628	
914	360	394	526	
874	634	725	762	
889	419	471	578	
888	579	651	724	
837	467	558	660	
897	497	555	658	
897	732	815	826	
865	637	736	778	
909	475	524	636	
877	575	655	728	
884	417	473	600	
839	569	677	743	
871	370	425	565	
880	677	770	800	
878	682	776	803	
874	519	595	686	

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1932phae.proj.12853

RH 3593

Strip	Star	y	x	Uncl	Uncl	Cl	Ck	Volts
195.4	195	2044	895	1014	1288	1487	610	505
	10	1962	740	706	—	1448	624	
Plate	1	2168	442	843	—	1522	620	
finished	2	—	—	1032	—	1540	623	
	3	—	—	1058	—	1532	619	
	4	—	—	991	—	1541	621	
	5	—	—	1118	—	1498	622	
	6	—	—	1183	—	1506	626	
	7	—	—	1172	—	1516	620	
	8	—	—	1369	—	1528	626	

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1932phae.proj.1285N

Cl.–Dk.	mean Defl–Dk	Red Defl	Mag.	Remarks
874	688	788	8.08	
824	82	99	—	
902	223	247	—	
917	409	447	—	
913	439	480	—	
920	370	402	—	
876	496	567	—	
880	557	632	—	
886	542	611	—	
902	743	825	—	

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1932phae.proj.12850

Set with R.A. to bottom.

Kap - R.A. 3594 - April 29, 1932

Strip	Star	y	x	Diff	Diff	Cc	Dk	Both
	1s	1988	627	633		1403	628	630
	1	2341	549	680	—	1452	622	
	2	—	—	743	—	1456	637	
	3	—	—	848	—	1493	652	
	4	—	—	953	—	1472	642	
	5	—	—	907	—	1484	643	
	6	—	—	993	—	1462	639	
	7	—	—	1008	—	1493	633	
	8	—	—	1222	—	1497	658	
14.6	x 1	1476	534	1413	1423	1527	663	
14.8	✓ 2	1490	535	1440	1410	1493	667	
15.0	✓ 3	1512	619	1074	1076	1492	667	
	✓ 4	1508	700	1400	1417	1503	683	
	✓ 5	1500	790	1280	1264	1490	677	
	✓ 6	1506	833	1363	1351	1511	687	
	✓ 7	1500	869	1402	1423	1524	697	
	✓ 8	1509	901	1404	1402	1513	693	
	✓ 9	1501	921	1431	1434	1527	688	
15.2	✓ 10	1521	734	1406	1398	1512	680	
15.4	✓ 11	1536	534	1302	1290	1511	683	
	✓ 12	1540	616	1193	1183	1520	694	
	✓ 13	1549	675	1383	1377	1518	683	
15.8	✓ 14	1580	723	1363	1392	1493	700	
	✓ 15	1581	798	1256	1262	1481	687	
16.0	16	1601	468	1258	1258	1487	673	
	✓ 17	1591	628	1024	1022	1498	670	
	✓ 18	1603	862	1360	1380	1487	693	
	✓ 19	1609	1022	1377	1397	1497	683	
16.4	✓ 20	1640	488	1323	1320	1457	682	
	21	1651	532	1217	1195	1506	673	

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1932phae.proj.1285W

cc-Dk	mean Defl-Dk	Red Defl	mag	Remarks
775	5	6	—	
830	58	70	—	
819	106	129	—	
841	196	233	—	
830	111	131	—	
841	264	314	—	
823	354	428	—	
860	375	436	—	
839	564	671	—	
864	755	875	off curve	
826	758	915	off curve	
825	408	495	727	
820	725	885	off curve	
813	595	732	835	
824	670	814	off curve	
827	715	865	off curve	
820	710	865	off curve	
839	744	885	off curve	
832	722	868	off curve	
828	613	740	839	
826	494	595	771	
835	697	835	off curve	
793	678	855	off curve	
794	572	720	828	
814	585	719	828	
828	353	426	696	
794	687	865	off curve	
814	704	865	off curve	
775	640	825	off curve	
839	533	639	790	

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1932phae.proj.12850

Hyp RW 3594 - April 29, 1932.

Strip	Star	Y	X	dy/dt	dy/dt	Cl	dk	Volts
	22	1652	676	1322	1323	1580	674	
	23	1655	743	1203	1210	1504	673	
	24	1640	980	1386	1412	1498	665	
16.6	25	1661	811	1338	1350	1507	673	
	26	1670	323	1266	1252	1513	660	
	27	1669	392	962	983	1511	652	
	28	1658	548	1363	1398	1497	670	
	29	1670	607	1233	1226	1492	680	
	30	1667	623	1142	1159	1487	672	
	31	1666	1008	1227	1223	1477	673	
	32	1660	1017	1390	1384	1492	673	
16.8	33	1690	632	983	972	1483	664	
	34	1682	1178	1203	1252	1497	663	
P.S.R. 17.0	35	1701	958	1239	1274	1506	667	5.41
	36	1711	382	1244	1252	1517	663	
	37	1711	389	1288	1311	1497	651	
17.2	38	1725	467	1070	1082	1490	649	
	39	1726	693	957	963	1500	656	
17.4	40	1745	507	867	865	1483	654	
	41	1740	1096	1262	1268	1497	643	
17.6	42	1765	233	1172	1165	1490	633	
	43	1766	454	870	883	1480	627	
	44	1770	1087	1055	1054	1470	641	
	45	1774	1170	1246	1266	1474	618	
17.8	46	1798	431	1207	1196	1464	628	
	47	1798	888	1254	1256	1453	629	
	48	1793	1173	1075	1070	1470	632	
18.0	49	1811	200	1070	1080	1481	630	
	50	1815	687	1062	1057	1481	622	
18.2	51	1823	418	899	918	1521	625	5.40

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1932phae.proj.1285M

Cl.-Dk.	Defl.-Dk	Red. Defl.	Magn.	Remarks
826	648	785	off curve	
831	533	640	791	
833	734	882	off curve	
834	671	805	off curve	
853	599	702	822	
859	320	374	669	
827	610	734	836	
812	550	678	808	
815	478	588	767	
804	557	690	814	
819	714	877	off curve	
819	314	384	673	
831	565	679	815	
839	589	700	820	
854	585	685	811	
846	649	768	off curve	
841	427	509	731	
844	304	360	661	
829	212	254	606	
854	622	730	832	
857	535	625	784	
853	249	293	630	
829	413	499	728	
856	638	742	841	
836	574	688	810	
824	626	758	848	
838	442	527	741	
851	445	522	741	
859	438	509	731	
896	283	315	641	

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1932phae.proj.1285m

D.S.R. – R.A. 3594 – April 29, 1932

Strip	Star	y	x	dy/dt	dy/dt	dx	dx	Volts
18.2 (Cont.)	52	1833	1220	1226	1230	1456	628	5.40
18.4	53	1847	768	1047	1067	1482	622	
	54	1848	776	1213	1235	1472	624	
	55	1854	916	833	829	1444	609	
	56	1858	1160	1243	1247	1448	607	5.39
18.6	57	1870	271	1311	1323	1443	618	
	58	1861	733	1298	1308	1448	638	530
	59	1861	765	1227	1251	1442	623	
	60	1860	1161	1252	1259	1457	610	
	61	1860	1178	933	958	1423	618	
18.8	62	1896	263	913	952	1443	623	
	63	1880	527	1060	1038	1448	627	
	64	1896	712	833	867	1462	620	
	65	1888	756	1023	1037	1448	624	
19.0	66	1903	633	1112	1083	1423	629	
	67	1910	1083	1092	1081	1437	616	
	68	1898	1318	1293	1308	1457	624	
19.2	69	1926	257	973	982	1473	628	
	70	1931	433	1280	1283	1476	632	
	71	1920	652	1153	1182	1457	632	
	72	1917	972	1203	1210	1472	632	
	73	1921	1088	1290	1288	1468	622	
19.4	74	1951	256	1297	1322	1467	622	
	75	1948	392	1088	1142	1442	617	
	76	1940	1228	1173	1178	1423	622	
	77	1954	1280	1330	1278	1420	602	
19.6	78	1968	477	1263	1261	1433	617	
	79	1960	1017	1318	1318	1438	623	
19.8	80	1980	333	1283	1283	1433	619	
	81	1981	869	1349	1318	1428	623	

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1932phae.proj.1285W

Cl-Dk	Mean Dyl-Dk	Red Dyl	mag.	Remarks
828	600	722	831	
860	435	506	731	
848	600	710	823	
835	222	264	613	
841	638	754	849	
830	704	848	off curve	
810	665	820	off curve	
819	616	753	845	
847	646	761	851	
815	328	403	685	
820	309	376	671	
821	422	512	735	
842	230	273	620	
824	411	497	728	
804	469	581	764	
821	470	572	761	
833	676	810	off curve	(outside circle)
845	350	414	690	
844	650	770	off curve	
825	536	650	798	
840	504	608	772	
846	713	842	off curve	
845	688	815	off curve	
825	498	604	775	
801	554	690	816	
818	602	735	836	
816	640	786	off curve	
815	695	852	off curve	
814	664	818	off curve	
805	711	883	off curve	

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1932phae.proj.12859

Alp - RL 3594 - April 29, 1932

Strip	Star	y	x	dyff	dyff	ce	dk	Volts
	82	1991	1018	928	984	1433	628	
	83	1975	1106	1193	1229	1448	611	
20.0	84	2011	440	1024	1022	1446	618	
	85	2014	575	1103	1106	1424	613	
	86	2011	926	1232	1300	1420	613	
	87	2010	1028	1143	1182	1441	603	
	88	2000	1297	1283	1293	1442	612	
20.2	89	2020	209	1238	1192	1458	613	
	90	2032	767	1190	1208	1442	604	
	91	2034	1245	1263	1293	1446	608	
20.4	92	2050	310	702	710	1473	597	
	93	2040	342	1323	1306	1483	610	
20.6	94	2060	1153	1342	1340	1497	618	
	95	2059	815	1293	1257	1483	603	
	96	2072	1023	1338	1343	1466	602	
20.8	97	2096	352	1152	1158	1498	607	
	98	2080	400	1068	1082	1493	598	
	99	2080	768	1307	1282	1482	613	
	100	2092	822	1312	1306	1489	611	
	101	2080	922	1110	1092	1493	620	
	102	2080	1146	1104	1114	1511	627	
	1a	1988	627	633	—	1462	621	
	1	2341	549	672	—	1472	604	
	2	—	—	766	—	1492	613	
	3	—	—	813	—	1493	616	
	4	—	—	752	—	1477	607	
	5	—	—	889	—	1480	601	
	6	—	—	1032	—	1464	617	
	7	—	—	1008	—	1492	623	530
	8	—	—	1277	—	1504	613	

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1932phae.proj.1285M

Cl-Dk	mean Defl-Dk	Red Defl	Mag	Remarks
810	333	412	696 ✓	
831	600	716	827 ✓	
828	405	489	722 ✓	
811	491	603	775 ✓	
801	653	810	off curve ✓	
838	559	666	804 ✓	
830	676	818	off curve ✓	
845	612	723	832 ✓	
838	595	710	822 ✓	
838	670	799	off curve ✓	
876	109	122	570 ✓	
873	704	808	off curve ✓	
879	723	821	off curve ✓	
880	672	761	850 × (outside circle) ✓	
864	738	855	off curve ✓	
891	548	614	780 ✓	
900	482	535	745 ✓	
869	681	782	off curve ✓	
878	698	790	off curve ✓	
873	501	572	761 ✓	
884	482	543	751 ✓	
841	12	14	—	
868	68	78	—	
879	153	174	—	
877	197	224	—	
870	145	163	—	
879	288	327	—	
847	415	490	—	
869	385	443	—	
891	664	745	—	

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1932phae.proj.12851

P.S.R. - R.H. 3594 - April 30, 1932

Steps	Star	y	x	Diff.	Diff.	Cl.	Dia.	Notes
	1s	1987	625	517	—	1433	507	5.35
	1	2341	548	568	—	1424	514	
	2	—	—	704	—	1436	511	
	3	—	—	793	—	1460	526	
	4	—	—	666	—	1482	512	
	5	—	—	976	—	1530	522	
	6	—	—	980	—	1463	521	
	7	—	—	973	—	1434	510	
	8	—	—	1213	—	1453	523	

Because of rise + fall in Cl of 100 divisions, repeat measures were made on #5, #1 & #3, showing complete changes in $\frac{\text{Diff} - \text{Dia}}{\text{Cl} - \text{Dia}}$. It seems not worthwhile to continue

m.m - RH 3594 - April 30, 1932

	1s	1988	626	512	—	1457	469	5.36
	1	2341	550	549	—	1459	478	
	2	—	—	649	—	1498	491	
	3	—	—	742	—	1498	500	
	4	—	—	713	—	1501	500	
	5	—	—	922	—	1503	500	
	6	—	—	1014	—	1500	501	
	7	—	—	1061	—	1492	501	
	8	—	—	1239	—	1496	500	
21.0	103	2104	211	1035	1032	1508	502	
	104	2099	672	742	710	1518	518	
	105	2106	808	1062	1040	1498	518	
	106	2107	1288	1279	1311	1518	526	
21.2	107	2129	200	1202	1235	1514	525	
	108	2139	269	1150	1153	1479	518	

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1932phae.proj.12851

Cl-Dk	Neg-Dk	Red Defl	Mag.	Remarks
988	43	44	—	
981	71	72	—	
1007	158	167	—	
998	242	242	—	
1001	213	213	—	
1003	422	422	—	
999	513	514	—	
991	560	564	—	
996	739	742	—	
1006	532	528	710 ✓	
1000	207	207	552 ✓	
980	533	542	717 ✓	
992	769	773	off curve ✓	
989	693	702	806 ✓	
961	634	658	781 ✓	

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1932phae.proj.1285m

m. m. — RH 3594 — April 30, 1932

Strip	Star	y	x	Dyff.	Dyff.	Cl.	Dk.	Volts
	109	2138	337	680	662	.1502	579	
	110	2139	410	1152	1112	1520	522	
	111	2137	581	783	788	1493	523	
21.4	112	2143	268	1182	1159	1509	532	
	113	2151	710	1261	1253	1500	528	
	114	2152	940	1038	1018	1488	531	
21.6	115	2167	330	1272	1320	1528	536	
	116	2169	382	1205	1172	1523	525	
	117	2168	306	1082	1091	1547	528	
	118	2168	382	1220	1260	1536	525	
	119	2177	398	1183	1200	1539	529	
	120	2169	743	1387	1380	1528	532	
	121	2158	1010	1340	1378	1538	539	
21.8	122	2191	542	1402	1358	1520	535	
	123	2187	702	1308	1319	1521	541	
	124	2194	1069	1350	1379	1526	541	
22.0	125	2209	500	1078	1022	1512	541	
	126	2200	1022	982	1002	1498	525	
	127	2201	1153	1182	1242	1500	529	
22.2	128	2229	400	1002	1038	1512	526	
	129	2223	460	1235	1228	1492	532	
	130	2220	608	1058	1089	1570	533	
22.4	131	2256	588	924	918	1600	548	
	132	2256	658	1118	1114	1518	542	
	133	2249	820	1331	1342	1508	532	
	134	2252	880	1352	1398	1500	538	
22.6	135	2260	291	1268	1308	1578	543	
	136	2270	524	1098	1080	1549	540	
	137	2265	752	1102	1093	1572	542	
	138	2272	894	1238	1250	1498	538	

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1932phae.proj..1285ll

cl-Dk	Mean Dyl-Dk	Red Dyl	Mag.	Remarks
983	152	154	523 ✓	
998	610	612	760 ✓	
970	263	271	585 ✓	
977	638	650	780 ✓	
972	729	750	833 ✓	
957	497	519	704 ✓	
992	760	765	843 ✓	
998	663	665	787 ✓	
1019	558	549	720 ✓	
1011	715	708	809 ✓	
1000	653	653	781 ✓	
996	852	856	off curve ✓	
999	820	821	off curve ✓	
985	845	857	off curve ✓	
980	773	788	off curve ✓	
985	823	836	off curve ✓	
971	509	523	707 ✓	
973	567	582	741 ✓	
971	683	702	805 ✓	
986	494	500	697 ✓	
960	700	729	820 ✓	
977	541	552	722 ✓	
1052	373	356	622 ✓	
976	574	589	741 ✓	
956	784	821	off curve ✓	
962	837	869	off curve ✓	
1035	745	719	811 ✓	
1009	549	544	720 ✓	
970	556	574	735 ✓	
960	706	735	824 ✓	

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1932phae.proj.12857

M. M. — RH 3594 — April 30, 1932.

Slip	Star	y	x	Defl.	Defl.	Cl.	Dk	Volt
	139	2269	1180	1213	1232	1508	536	
22.8	140	2280	739	938	900	1496	541	
	141	2290	753	1302	1329	1600	544	
	142	2288	906	1117	1162	1580	546	
23.0	143	2299	765	1178	1212	1582	543	
	144	2297	842	1338	1260	1587	542	
	145	2308	1064	1332	1330	1620	546	
	146	2316	1142	1377	1417	1600	546	
23.2	147	2335	678	1426	1420	1600	542	
23.6	148	2373	712	1190	1152	1597	535	
	149	2362	870	1342	1347	1592	547	
	150	2368	1110	1412	1399	1587	549	
	151	2367	1165	898	908	1564	533	
23.8	152	2395	480	1361	1312	1558	551	
	153	2381	815	1153	1120	1540	548	
24.0	154	2404	887	931	956	1509	542	
24.2	155	2436	565	925	921	1510	543	
	156	2432	944	1342	1387	1528	547	
24.4	157	2449	866	802	820	1522	543	
24.8	158	2482	592	1178	1260	1572	542	
	159	2478	998	976	1008	1528	542	
(25.0	160	2509	817	1325	1301	1532	548	
	160	2512	640	1323	1328	1529	549	
Last finished	1	1988	626	580	—	1540	545	
	1	2341	550	630	—	1522	547	
	2	—	—	713	—	1550	542	
	3	—	—	847	—	1565	538	
	4	—	—	728	—	1570	545	
	5	—	—	958	—	1553	545	
	6	—	—	1078	—	1552	549	

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1932phae.proj.12851

Cl-Ok	Mean Def-Ok	Red Def	Mag.	Remarks
972	686	706	807	
955	398	417	651	
1056	762	724	818	
1034	594	574	735	
939	652	693	802	
1045	857	818	off curve	
1074	785	732	822	
1054	851	810	off curve	
1058	881	832	off curve	
1042	616	590	743	
1045	797	760	842	
1038	857	823	off curve	
1011	350	345	620	(outside circle)
1007	835	828	off curve	
992	588	590	743	
967	402	414	650	
967	380	393	642	
981	817	830	off curve	
979	268	274	586	
970	685	707	808	
986	460	467	677	
984	765	778	851	
980	777	792	off curve	
995	35	35	—	
975	83	85	—	
1008	171	169	—	
1027	309	301	—	
1025	183	178	—	
1008	413	410	—	
1003	529	526	—	

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1932phae.proj.12857

Trip	Star	y	x	Deff	Deff.	Cl.	Dk.	Unf.
	7	—	—	1078	—	1562	558	
	8	—	—	1331	—	1578	558	530

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1932phae.proj.1285M

cl – Dk	Mean Diff – Dk	Red Dep	Mag	Remarks
1004	520	519	—	
1020	773	757	—	

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1932phae.proj.12857

Alg - R.A. 2595 - May 5 1932.

Strip	Star	y	x	Aberr.	Aberr.	Cc	Dk	Plate
	1A	1990	647	8220	—	1932	566	520
	1	2350	583	1126	—	2063	583	
	2	—	—	1402	—	2028	583	
	3	—	—	1542	—	2063	588	
	4	—	—	1323	—	2067	604	
	5	—	—	1657	—	2079	602	
	6	—	—	1723	—	2093	600	
	7	—	—	1742	—	2068	593	
	8	—	—	1914	—	2068	593	
14.6	1	1460	538	1943	1930	2083	608	
14.8	2	1477	538	2008	2001	2097	607	
	3	1483	794	1880	1870	2082	618	
	4	1491	837	1920	1922	2068	613	
	5	1487	872	1973	1973	2077	610	
	6	1497	903	1963	1933	2060	613	
	7	1488	924	1972	1978	2053	608	
15.0	8	1500	623	1667	1657	2059	612	
	9	1509	738	1972	1983	2073	602	
15.2	10	1521	538	1896	1861	2057	608	
	11	1527	618	1763	1772	2054	600	
	12	1532	678	1922	1953	2088	614	
15.6	13	1563	736	1976	1977	2073	618	
	14	1570	801	1877	1868	2083	617	
15.8	15	1586	472	1893	1882	2063	610	
	16	1580	632	1673	1662	2064	604	
16.2	17	1627	491	1963	1968	2047	614	
	18	1639	538	1823	1842	2080	613	
16.4	19	1648	313	2001	1988	2087	621	
	20	1668	327	1889	1897	2099	620	
	21	1653	396	1653	1658	2117	611	

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1932phae.proj..1285M

Cl. Dk.	Mean Left Dk.	Red Left	Mag.	Remarks
1369	257	188	—	
1450	543	375	—	
1445	819	566	—	
1475	954	646	—	
1463	719	492	—	
1477	1055	715	—	
1493	1123	752	—	
1475	1149	779	—	
1475	1321	896	—	
1475	1328	900	off curve	
1490	1397	935	off curve	
1464	1257	858	803	
1455	1308	898	848	
1467	1363	930	off curve	
1447	1335	921	off curve	
1445	1367	945	off curve	
1447	1050	725	664	
1471	1376	935	off curve	
1449	1270	876	820	
1454	1168	804	743	
1474	1324	898	848	
1455	1358	934	off curve	
1466	1255	855	7.99	
1453	1278	880	8.25	
1460	1062	728	6.66	
1433	1352	944	off curve	
1467	1225	835	7.75	
1466	1377	939	off curve	
1479	1263	855	7.99	
1506	1045	694	6.35	

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1932phae.proj.12850

Hyp - R.A. 3595 — May 1, 1932.

Strip	Star	y	x	dyff	dyf	Ce	Δk Volts
	22	1638	537	1851	1850	2097	612
	23	1642	551	2009	2005	2098	602
	24	1655	609	1916	1917	2111	607
	25	1651	628	1827	1822	2112	610
	26	1640	679	1943	1950	2113	612
	27	1640	747	1878	1863	2113	612
	28	1651	1011	1883	1882	2140	618
16.6	29	1677	637	1650	1652	2122	613
	30	1670	1181	1873	1838	2138	618
16.8	31	1696	347	2012	1990	2122	600
	32	1684	887	2003	1984	2127	612
	33	1689	961	1953	1963	2103	608
17.0	34	1700	388	1983	1964	2163	617
	35	1698	392	2042	2020	2162	610
	36	1701	397	2043	2054	2138	609
	37	1711	470	1863	1842	2149	612
	38	1705	495	1986	1968	2130	610
	39	1706	507	1911	1912	2117	607
	40	1713	697	1743	1732	2143	609
17.2	41	1731	510	1680	1627	2161	588
	42	1728	1099	2016	2009	2142	588
17.4	43	1751	2037	1968	1973	2138	592
	44	1752	458	1693	1689	2164	580
17.6	45	1759	1090	1814	1813	2158	584
	46	1761	1173	1993	2002	2173	586
	47	1763	1241	2053	2053	2170	583
17.8	48	1783	437	1943	1958	2150	583
	49	1784	890	1974	1968	2178	580
	50	1780	1178	1823	1802	2153	568
18.0	51	1799	913	1883	1843	2117	576

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1932phae.proj.1285M

Cl.-Dk.	Mean Dgl.-Dk.	Red. Dgl.	Mag.	Remarks
1485	1238	834	7.73	
1496	1405	939	off curve	
1504	1309	870	8.14	
1502	1214	808	7.47	
1501	1334	886	8.33	
1501	1258	836	7.76	
1522	1264	830	7.70	
1509	1038	688	6.30	
1520	1238	815	7.55	
1522	1401	921	off curve	
1515	1382	914	off curve	
1525	1350	885	8.30	
1546	1357	877	8.21	
1552	1421	915	off curve	
1529	1439	940	off curve	
1537	1240	807	7.46	
1520	1367	899	8.49	
1500	1205	804	7.42	
1534	1129	735	6.72	
1573	1066	676	6.20	
1554	1424	916	off curve	
1546	1368	885	8.30	
1584	1111	703	6.44	
1574	1230	782	7.18	
1587	1412	890	8.38	
1587	1470	925	off curve	
1567	1367	871	8.15	
1598	1391	872	8.16	
1585	1244	785	7.21	
1541	1287	834	7.73	

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1932phae.proj.1285M

XJP-RH 30595 — May 1, 1932.

Strip	Star	y	x	$\Delta\eta$ eff	$\Delta\xi$ eff	α	Δk	Volts
	52	1810	412	1763	1728	2158	581	
	53	1811	479	2017	1972	2160	573	
	54	1802	689	1845	1822	2137	570	
	55	1799	939	2017	2016	2163	574	
	10	1990	647	856	—	2062	581	
	1	2350	583	1238	—	2112	578	
	2	—	—	1447	—	2143	573	
	3	—	—	1582	—	2147	573	
	4	—	—	1732	—	2137	573	
	5	—	—	1693	—	2137	572	
	6	—	—	1763	—	2170	573	
	7	—	—	1823	—	2152	572	
	8	—	—	1968	—	2172	563	572

Cont in Book 84, p 178

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1932phae.proj..1285M

cc-Dk	Mean Dept-Dk	Red Dept	mag.	Remarks
1577	1165	739	675	
1587	1421	896	845	
1567	1264	807	745	
1589	1442	908	off curve	
1481	275	186	—	
1534	660	431	—	
1570	874	556	—	
1574	1009	640	—	
1564	859	547	—	
1565	1121	717	—	
1597	1190	745	—	
1580	1251	792	—	
1609	1405	872	—	

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1932phae.proj.1285M

Cont. from p. 148, Kk. 87

M. M. - RH 4143 — May 31, 1932

Strip	Star	y	x	dyff	dyff	cc	dk	Volts
	1_3	1925	792	778	—	1235	652	5.25
	1	2285	742	943	—	1248	658	
	2	—	—	1028	—	1302	662	
	3	—	—	1062	—	1311	662	
	4	—	—	1052	—	1305	671	
	5	—	—	1093	—	1288	667	
	6	—	—	1128	—	1283	667	
	7	—	—	1160	—	1311	672	
	8	—	—	1211	—	1286	677	
15.4	1 ✓	1553	680	1196	1200	1242	679	
	2 ✓	1552	742	1192	1199	1251	680	
	3 ✓	1538	872	1181	1191	1258	676	
15.8	4 ✓	1596	985	1172	1179	1279	682	
16.0	5 ✓	1600	778	1211	1229	1262	685	
	6 ✓	1615	1029	1244	1251	1279	682	
16.4	7 ✓	1641	848	1220	1238	1272	682	
	8 ✓	1650	942	1091	1097	1266	688	
	9 ✓	1648	1053	1208	1219	1289	682	
16.8	10 ✓	1689	1137	1222	1236	1291	687	
17.0	11 ✓	1712	646	1222	1242	1279	682	
	12 ✓	1712	763	1198	1227	1273	692	
17.2	13 ✓	1725	1102	1248	1252	1285	697	
17.4	14 ✓	1745	979	825	828	1288	689	
17.6	15 X	1769	1082	1269	1245	1321	685	
17.8	16 ✓	1796	1088	1259	1272	1342	689	
18.0	17 ✓	1808	361	1288	1282	1323	692	
	18 ✓	1804	635	1269	1278	1320	689	
18.2	19 ✓	1833	451	1278	1281	1328	692	
	20 X ✓	1829	616	1300	1300	1340	692	
	21	1834	1231	1129	1135	1332	696	

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1932phae.proj.12351

Cl.-Dk.	Defl.-Dk.	Red. Defl.	Magn.	Remarks
583	126	217		
590	285	484		
640	366	572		
649	400	617		
634	381	602		
621	426	685		
616	461	750		
639	488	761		
609	534	868		
563	519	920	8.72	
571	516	901	8.53	
582	510	876	8.27	
597	494	829	7.81	
577	535	928	8.80	
597	566	949	off curve	
590	547	930	8.83	
578	406	701	6.65	
607	531	873	8.23	
604	542	900	8.52	
597	550	918	8.69	
681	520	762	7.21	
588	553	940	off curve	
599	138	230	3.03	
636	572	900	off curve ~~8.52~~	X
653	576	880	8.32	
631	593	940	off curve	
631	584	921	8.73	
636	588	927	8.79	
648	608	938	off curve	
636	436	687	6.54	

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1932phae.proj.12850

M. M. — RH 4143 — May 31, 1932.

Strip	Star	y	y	Defl.	Defl.	Cl.	Dk.	Volt.
	22	1820	1308	1248	1254	1332	698	
18.4	23	1846	962	1288	1280	1336	698	
	24	1837	1172	1142	1151	1332	700	
18.6	25	1876	900	1282	1278	1326	706	
	26	1875	1038	1291	1299	1342	706	
18.8	27	1888	1070	1297	1291	1321	709	
19.0	28	1918	512	1239	1249	1328	707	
	29	1915	587	1302	1310	1341	702	
	30	1904	1016	1218	1234	1332	708	
19.2	31	1929	568	1309	1307	1351	711	
	32	1928	722	1249	1261	1328	707	
19.4	33	1939	682	1246	1252	1346	708	
	34	1942	902	1250	1277	1331	708	
19.6	35	1975	621	1258	1268	1341	708	
	36	1970	839	1291	1299	1342	708	
	37	1969	1315	1276	1282	1352	712	
20.0	38	2014	754	1218	1213	1338	714	
	39	1999	1244	1000	1026	1343	706	
	40	2004	1268	1263	1258	1341	708	
	41	2029	673	1267	1274	1352	712	
	42	2032	1248	805	809	1351	710	
20.4	43	2045	302	1269	1272	1362	713	
	44	2053	460	1258	1271	1372	717	
	45	2061	642	1312	1318	1368	711	
	46	2050	769	1287	1287	1344	712	
	47	2052	1078	1282	1297	1347	715	
20.6	48	2068	364	1161	1152	1372	712	
	49	2069	1018	1190	1207	1360	709	
20.8	50	2082	522	1289	1301	1362	714	
	51	2092	554	1241	1262	1360	712	

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1932phae.proj.1285M

Cl.-Dk.	Defl.-Dk.	Red. Defl.	Magn.	Remarks
634	553	872	8.23	✓
638	586	920	8.72	✓
632	446	707	6.70	✓
620	574	930	8.83	✓
636	589	926	8.78	✓
612	505	828	7.81	✓
621	537	864	8.15	✓
639	604	950	off curve	✓
624	518	830	7.83	✓
640	597	929	8.82	✓
621	548	881	8.33	✓
638	541	849	8.02	✓
623	558	880	8.32	✓
633	555	876	8.27	✓
634	587	928	~~8.80~~ off curve	X
640	559	869	8.21	✓
624	502	802	7.57	✓
637	301	482	4.82	✓
639	552	871	8.22	✓
640	558	872	8.23	✓
641	97	151	2.56	✓
649	551	860	8.11	✓
655	547	838	7.91	✓
657	604	921	~~8.73~~ off curve	X
632	575	905	8.56	✓
632	575	912	~~8.63~~ off curve	+
660	444	672	6.41	✓
651	489	749	7.09	✓
648	581	900	8.52	✓
648	540	832	7.85	✓

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1932phae.proj.12850

M. M. — RH4143 — May 31, 1932

Strip	Star	y	x	Defl.	Defl.	Cl.	Dk.	volt.
21.0	52	2109	594	1291	1303	1368	712	
	53	2108	751	1300	1289	1348	709	
	54	2103	1045	1189	1172	1341	712	
21.2	55	2125	777	1259	1271	1353	716	
	56	2128	1039	1233	1233	1372	717	
21.4	57	2151	373	1332	1314	1381	718	
	58	2145	601	1151	1138	1368	717	
	59	2150	1128	1111	1100	1358	721	
21.6	60	2158	807	1158	1178	1367	716	
	61	2150	1128	1119	1142	1348	717	
	ls	1925	792	800	—	1330	714	
	1	2285	742	948	—	1343	722	
	2	—	—	1078	—	1355	719	
	3	—	—	1092	—	1358	715	
	4	—	—	1099	—	1352	708	
	5	—	—	1158	—	1332	715	
	6	—	—	1202	—	1348	711	
	7	—	—	1212	—	1361	714	
	8	—	—	1268	—	1328	712	5.22

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1932phae.proj.1285W

Cl.-Dk.	Mean Defl.-Dk.	Red Defl.		Remarks
656	585	892	8.44	
639	585	918	8.69	
629	468	747	2.08	
637	549	860	8.11	
655	516	787	7.45	
663	605	914	8.65	
651	427	653	6.26	
637	385	604	5.85	
651	452	692	6.58	
691	413	653	6.26	
616	86	140		
621	226	364		
636	359	565		
643	377	588		
644	391	606		
617	443	718		
637	491	771		
647	498	768		
616	556	901		

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1932phae.proj.12850

P.S.R. – R.A. 4h43 – June 1, 1932

Strip	Star	y	x	Lgt.	Lgt.	Ω	Lk.	Volts
	15	1925	797	747	—	1249	607	5.42
	1	2284	746	947	—	1264	612	
	2	—	—	1037	—	1291	616	
	3	—	—	1039	—	1287	618	
	4	—	—	1037	—	1276	622	
	5	—	—	1093	—	1267	623	
	6	—	—	1126	—	1276	626	
	7	—	—	1152	—	1300	627	
	8	—	—	1212	—	1277	632	
21.8	62	2482	1157	1238	1238	1292	637	
22.0	63	2203	1016	1213	1198	1319	639	
	64	2216	881	983	980	1319	640	
22.2	65	2220	1182	1204	1196	1312	648	
	66	2231	1251	1260	1253	1333	663	
22.6	67	2276	585	1273	1264	1343	666	
22.8	68	2280	781	1249	1243	1332	667	
23.0	69	2305	1097	1268	1273	1338	668	
	70	2311	652	1248	1252	1320	669	
23.2	71	2320	334	1167	1166	1333	672	
	72	2320	369	1251	1252	1328	672	
	73	2335	316	1253	1242	1347	674	
	74	2329	1185	1087	1072	1328	673	
23.4	75	2345	444	1263	1263	1344	672	
	76	2358	510	1199	1193	1329	673	
	77	2359	1005	{1213 / 1212}	Image in offset pilot star	1338	673	
	78	2358	1171	819	803	1322	672	
	15	1925	796	799	—	1323	673	
	1	2283	745	979	—	1324	673	
	2	—	—	1107	—	1322	674	
	3	—	—	1108	—	1323	676	
	4	—	—	1103	—	1370	672	
	5	—	—	1149	—	1317	677	
	6	—	—	1182	—	1311	676	
	7	—	—	1190	—	1337	677	
	8	—	—	1253	—	1312	675	5.41

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1932phae.proj.1285W

α.-Dk.	Defl.-Dk.	Red. Defl.	Magn.	Remarks
642	140	174		
652	335	415		
675	421	623		
669	421	630		
654	415	633		
644	470	728		
650	500	770		
673	525	780		
645	580	899		
655	601	918	8.57	
680	569	833	7.65	
679	342	503	4.66	
664	552	891	7.63	
670	593	882	8.19	
677	602	890	8.27	
665	579	870	7.51	
670	602	900	8.38	
651	581	891	8.29	
661	494	747	6.72	
656	580	887	8.24	
673	574	853	7.88	
655	407	620	5.55	
672	591	1024	~~6.58~~ off curve	
656	523	796	7.26	
665	539	810	7.40	
650	139	198	~~2.68~~	
650	126	190	~~2.63~~	
651	306	469		
648	433	670		
647	432	665		
648	431	663		
630	472	748		
635	506	797		
660	513	773		
637	578	908		

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1932phae.proj.12853

P.S.R.-R.H. 443-June 2, 1932

Strip	Star	y	x	Diff.	Diff.	Cl.	Clk.	Notes
	15	1923	763	784	+	1287	646	5.37
	1	2184	712	969	—	1302	648	
	2	—	—	1075	—	1330	652	
	3	—	—	1078	—	1316	651	
	4	—	—	1068	—	1266	658	
	5	—	—	1104	—	1275	656	
	6	—	—	1133	—	1262	659	
	7	—	—	1148	—	1303	662	
	8	—	—	1209	—	1273	663	
23.6	79	2367	330	1208	1210	1804	666	
	80	2365	1135	1070	1065	1267	658	
	81	2371	522	1153	1151	1298	663	
23.8	82	2382	491	870	844	1310	665	
	83	2397	1010	1223	1221	1294	663	
24.0	84	2405	728	1247	1247	1290	673	
	85	2401	826	1237	1233	1303	672	
24.2	86	2435	966	1191	1192	1317	677	
24.4	87	2440	618	1023	998	1313	681	
	88	2478	1190	1229	1242	1312	680	
	89	2455	553	1185	1187	1321	680	
	90	2456	584	1152	1142	1323	687	
	91	2453	789	1244	1250	1309	689	
24.6	92	2461	687	1188	1178	1333	690	
	93	2479	1186	1172	1159	1326	688	
25.0	94	2516	1145	1240	1244	1317	676	
25.2	95	2531	1134	1225	1220	1307	681	
	96	2538	1135	1102	1108	1325	673	
25.4	97	2558	657	1209	1222	1313	685	
25.8	98	2584	639	1018	1008	1317	681	
	99	2588	709	1230	1232	1303	679	5.96

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1932phae.proj.1285M

Cl.–Dk.	Defl.–Dk	Red. Defl.	Magn.		Remarks
641	138	215			
654	321	490			
678	423	622			
665	427	642			
608	410	671			
619	444	718			
603	474	787			
641	486	758			
610	546	893			
638	543	850	7.84	✓	
609	400	658	5.89	✓	
635	489	770	6.99	✓	
645	192	298	3.28	✓	
631	559	884	8.21	✓	
617	574	930	8.71	✓	
631	563	890	8.27	✓	
630	515	818	7.49	✓	
632	329	520	4.68	✓	
632	556	880	8.17	✗	outside circle
641	506	788	7.18	✓	
636	460	722	6.50	✓	
610	558	918	8.57	✓	
643	493	768	6.97	✓	
638	478	750	6.77	✓	
641	566	871	8.07	✓	
626	541	865	8.01	✓	
652	432	662	5.92	✓	
628	531	843	7.78	✓	
636	332	521	4.80	✓	
624	552	880	8.17	✗	outside circle

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1932phae.proj.12850

P.S.R. – R.A. 4143 – June 2, 1932

Strip	Star	y	x	Ogll.	Ogll.	Cl.	Hs.	Volts
26.0	108	2608	1070	1170	1172	1318	673	5,36
26.6	181	2663	942	1242	1244	1307	678	
	15	1924	763	791	—	1313	675	
	1	2184	711	973	—	1303	678	
	2	—	—	1082	—	1340	683	
	3	—	—	1097	—	1325	677	
	4	—	—	1092	—	1302	681	
	5	—	—	1123	—	1298	688	
	6	—	—	1160	—	1303	673	
	7	—	—	1179	—	1323	681	
	8	—	—	1237	—	1299	680	5,35

Plate measured

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1932phae.proj.12951

Cl.-Dk.	Defl.-Dk.	Rel. Defl.	Magn.	Remarks
645	498	770	7.07 x	(outside circle)
629	564	898	8.34 x	(outside circle)
638	116	180		
625	295	473		
657	399	608		
648	420	649		
621	411	660		
610	435	713		
630	487	772		
642	498	777		
619	557	900		

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1932phae.proj.12850

m.m. — RH 4145 — June 3, 1932.

Strip	Star	y	x	Decl.	Decl.	Cl.	Δt.	Wolf
	b	2088	824	796	—	1322	632	535
	1	1752	682	1028	—	1318	638	
	2	—	—	1078	—	1339	645	
	3	—	—	1089	—	1363	648	
	4	—	—	1182	—	1342	648	
	5	—	—	1185	—	1340	662	
	6	—	—	1241	—	1358	662	
	7	—	—	1280	—	1408	659	
	8	—	—	1289	—	1362	662	
15.4	√1	1545	802	1297	1312	1340	668	
15.6	√2	1578	528	1318	1321	1362	671	
	√3	1564	678	1329	1329	1358	672	
	√4	1572	704	1313	1322	1358	670	
15.8	√5	1592	778	1321	1312	1349	672	
16.0	√6	1609	707	1329	1327	1371	689	
16.2	√7	1629	735	1351	1347	1377	687	
16.4	√8	1648	420	1208	1198	1408	690	
16.6	√9	1676	459	1320	1339	1399	683	
16.8	√10	1698	1142	1292	1340	1368	691	
17.0	√11	1710	515	1311	1303	1420	700	
17.2	√12	1729	357	1243	1222	1418	691	
	√13	1722	371	1388	1383	1438	699	
	√14	1722	637	1300	1301	1408	701	
17.4	√15	1740	328	1381	1384	1418	699	
	√16	1748	473	1349	1333	1382	708	
	√17	1751	531	1348	1348	1392	700	
	√18	1735	605	1303	1310	1402	703	
17.6	√19	1777	352	1389	1368	1424	691	
	√20	1775	523	1283	1291	1414	698	
	√21	1772	552	1322	1337	1407	698	

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1932phee.proj.12851

Ce.-Dk.	Defl.-Dk.	Red. Defl.	Magn.	Remarks
690	164	238		
680	390	572		
694	433	622		
715	441	620		
694	534	771		
678	523	772		
696	579	831		
741	621	835		
700	627	898		
672	636	947	off curve	
691	640	923	8.85	
686	657	960	off curve	
688	648	944	off curve	
677	644	952	off curve	
682	639	939	off curve	
690	662	960	off curve	
718	513	712	6.09	
716	647	908	8.56	
677	625	922	8.83	
720	607	845	7.57	
727	541	742	6.37	
739	687	930	off curve	
707	599	848	7.61	
719	683	950	off curve	
674	633	940	off curve	
692	648	935	off curve	
699	603	868	7.90	
733	689	938	off curve	
716	589	870	7.94	
709	632	891	8.25	

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1932phae.proj.1285M

m.m. – RH 4145 – June 3, 1932.

Strip	Star	y	x	Defl	Diff	cl.	Dk.	volt.
	22	1772	822	1332	1338	1400	698	
	23	1780	290	1412	1418	1450	692	
18.0	24	1809	398	1347	1348	1442	708	
	25	1810	1143	1238	1218	1402	708	
18.2	26	1835	302	1362	1368	1472	692	
	27	1828	482	1311	1321	1448	711	
	28	1836	849	1358	1357	1442	712	
	1s	2088	824	852	—	1409	712	
	1	1752	682	1058	—	1392	705	
	2	—	—	1138	—	1408	711	
	3	—	—	1142	—	1438	712	
	4	—	—	1220	—	1412	714	
	5	—	—	1242	—	1406	706	
	6	—	—	1268	—	1429	711	
	7	—	—	1312	—	1432	715	
	8	—	—	1329	—	1412	712	5.35

m.m – RH 4145 – June 4, 1932

	1s	2089	819	775	—	1362	668
	1	1752	678	1010	—	1348	671
	2	—	—	1052	—	1387	678
	3	—	—	1100	—	1418	681
	4	—	—	1169	—	1398	682
	5	—	—	1192	—	1382	682
	6	—	—	1258	—	1421	689
	7	—	—	1287	—	1429	692
	8	—	—	1311	—	1421	692
18.4	29	1854	705	1381	1402	1439	700
	30	1853	796	1378	1378	1440	708
	31	1850	1230	1308	1315	1411	702
	32	1854	1233	1391	1371	1411	708

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1932phae.proj..1285M

Cl.-Dk.	Mean Defl.-Dk.	R.O. Defl.	Remarks
702	637	908	8.80 ✓
758	723	952	off curve ✓
742	648	872	8.19 ✓
694	520	748	6.65 ✓
780	673	862	8.04 ✓
731	605	822	7.50 ✓
730	642	880	8.31
697	140	202	
687	353	512	
697	427	612	
726	430	592	
698	506	721	
700	536	765	
718	557	778	
717	597	839	
700	617	880	
694	107	154	
677	339	490	
709	374	529	
737	419	568	
716	487	682	
700	510	730	
732	569	777	
737	595	808	
729	619	850	
739	692	934	× off curve ✓
732	670	916	8.94 ✓
709	610	861	8.03 ✓
703	673	958	off curve ✓

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1932phae.proj.12857

m.m. – RH 4145 – June 4, 1932.

Strip	Star	y	x	Defl.	Defl.	Cl.	Dk. volt.
18.8	33	1889	298	1435	1429	1489	712
	34	1881	669	1151	1142	1468	712
	35	1886	1169	1172	1143	1419	722
19.0	36	1911	1125	1395	1382	1489	718
19.6	37	1970	158	1458	1467	1506	718
	38	1963	499	1215	1189	1462	718
	39	1969	999	1388	1369	1438	720
	40	1965	1296	1272	1281	1480	722
19.8	41	1978	881	1325	1302	1433	728
	42	1996	1017	1012	1035	1436	723
	43	1983	1057	1365	1370	1450	719
20.0	44	2002	139	1409	1400	1508	728
	45	2010	1029	1294	1291	1458	732
	46	2002	1223	1401	1372	1468	735
20.2	47	2024	1075	1368	1362	1457	738
20.6	48	2075	600	1418	1438	1468	741
	49	2068	758	1378	1388	1442	742
	50	2070	875	1365	1371	1442	738
	51	2059	1082	1371	1372	1438	743
20.8	52	2081	353	1412	1438	1500	737
	53	2079	1036	1358	1332	1451	739
21.0	54	2102	1202	1251	1252	1442	746
21.2	55	2125	672	1400	1400	1458	742
	56	2124	1000	1368	1348	1436	739
21.4	57	2153	369	1365	1368	1481	742
	58	2151	1267	1399	1392	1431	736
21.6	59	2118	747	1392	1382	1452	736
	60	2175	1136	1222	1228	1431	741
	1s	2088	819	847	—	1437	738
	1	1752	678	1091	—	1421	735

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1932phae.proj.12951

α.—Dk.	Means Defl.—Dk.	Red. Defl.	Remarks
777	720	928	off curve
756	434	573	5.13
697	436	627	5.56
721	670	930	off curve
788	744	948	off curve
744	484	648	5.75
718	658	918	8.99
708	554	785	7.06
705	586	830	7.61
713	301	422	4.02
731	649	887	8.43
780	676	865	8.08
726	560	770	6.90
733	651	890	8.49
719	627	871	8.19
727	687	940	off curve
700	641	919	9.00
704	630	897	8.60
695	629	904	8.71
763	688	902	8.68
712	606	854	7.94
696	506	728	6.45
716	658	921	9.04
697	629	900	8.64
739	624	897	8.60
695	660	948	off curve
716	651	910	8.83
690	484	700	6.20
699	109	156	2.60
686	356	520	4.74

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1932phae.proj.1285M

M.M. – RH4145 – June 4, 1932

Stuf	Stn	y	x	Defl.	Defl	Cl.	Dk.	volt
	2	—	—	1132	—	1438	738	
	3	—	—	1151	—	1462	738	
	4	—	—	1235	—	1431	732	
	5	—	—	1246	—	1426	738	
	6	—	—	1303	—	1451	735	
	7	—	—	1352	—	1439	738	
	8	—	—	1358	—	1441	743	5.22
		P.C.R. – R.H. 4145 – June 7, 1932						
	15	2088	827	873	—	1463	738	5.35
	1	1752	685	1104	—	1452	743	
	2	—	—	1132	—	1469	731	
	3	—	—	1156	—	1470	732	
	4	—	—	1229	—	1447	738	
	5	—	—	1243	—	1448	741	
	6	—	—	1293	—	1475	734	
	7	—	—	1333	—	1478	731	
	8	—	—	1363	—	1445	734	
21.8	61	2182	896	1339	1338	1448	724	
22.0	62	2200	169	1423	1412	1492	732	
	63	2209	1225	1357	1339	1427	732	
	64	2203	1300	1344	1347	1413	727	
	65	2209	318	1124	1118	1487	724	
	66	2216	348	1388	1380	1478	730	
22.4	67	2249	820	1218	1200	1437	729	
22.6	68	2262	651	1311	1308	1433	728	
22.8	69	2293	436	1346	1350	1493	740	
23.0	70	2305	288	1223	1207	1496	742	
	71	2300	336	1430	1418	1516	747	
	72	2305	540	1173	1167	1482	745	
23.2	73	2325	351	1332	1319	1495	737	5.31

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1932phae.proj.1285M

cl.-Dk.	Mean Defl.-Dk.	Red Defl	Magn.	Remarks
701	394	560		
724	413	567		
699	503	721		
688	508	739		
716	568	796		
701	614	878		
698	615	880		
725	135	186		
709	361	509		
738	401	542		
738	424	573		
709	491	692		
707	502	710		
741	559	753		
747	602	807		
711	629	881		
724	614	848	7.96	
760	686	902	8.54	
695	606	868	8.18	
686	619	901	8.53	
763	397	521	5.13	
748	654	872	8.21	
708	486	678	6.30	
705	592	810	7.54	
753	608	808	7.52	
754	473	622	5.82	
769	671	880	8.30	
737	425	576	5.51	
758	579	764	7.06	

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1932phae.proj.1285M

R.A.R. - R.A. 7145 - June 7, 1932

Strip	Star	y	x	Dyll.	Dyll.	Cl.	Dk.	Notes
23.4	74	2340	549	1349	1368	1457	738	5.31
	75	2357	669	1315	1310	1448	740	
	76	2350	1125	1333	1333	1412	745	
	77	2359	1005	1088	1086	1403	743	
23.6	78	2370	1012	1258	1262	1406	744	
23.8	79	2397	935	1318	13,28	1402	749	
24.0	80	2401	327	1422	1406	1505	755	
	81	2416	312	1308	1302	1506	760	
	82	2414	865	1020	1000	1443	760	
24.2	83	2432	930	1162	1159	1420	746	
24.4	84	2455	379	1298	1298	1489	760	
24.6	85	2479	427	990	988	1483	753	
	86	2472	1063	1329	1320	1439	748	
24.8	87	2488	566	1349	1350	1402	745	
25.0	88	2510	343	1344	1333	1510	756	
	89	2512	1014	788	778	1425	755	
25.4	90	2540	1024	1057	1053	1410	759	
	91	2540	1101	1233	1238	1411	754	
	92	2560	850	1316	1318	1423	750	
	93	2552	892	1303	1299	1420	757	
25.6	94	2564	909	1277	1269	1422	748	
26.4	95	2659	612	1218	1224	1424	753	
	96	2659	749	1356	1360	1427	749	
26.6	97	2676	706	1299	1272	1434	742	
	15	2084	826	833	—	1438	741	
	1	1752	685	1050	—	1420	739	
Date finished	2	—	—	1069	—	1433	732	
	3	—	—	1079	—	1465	746	
	4	—	—	1204	—	1432	747	
	5	—	—	1217	—	1439	750	
	6	—	—	1288	—	1460	742	
	7	—	—	1311	—	1477	749	
	8	—	—	1355	—	1434	741	5.28

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1932phae.proj.1285M

Cl.-Dk.	Means Defl.-Dk.	Red. Defl.	Magn.	Remarks
719	620	862	8.09	
708	572	809	7.53	
667	588	881	8.31	
660	344	520	5.12	
662	516	727	6.71	
653	574	878	8.27	
750	659	878	8.27	
746	545	732	6.75	
683	250	366	4.03	
674	414	611	5.78	
729	538	740	6.83	
730	236	323	3.74	
691	576	830	7.76	
657	605	918	off curve	
754	582	771	7.14	
670	28	42	off curve	
651	296	454	4.64	
657	482	733	6.76	
673	567	840	7.87	
663	544	822	7.66	
674	525	778	7.20	
671	468	697	6.42	
678	609	899	8.51	
692	544	784	7.28	
797	92	115		
681	311	454		
701	337	480		
719	333	465		
685	457	666		
689	467	678		
718	546	760		
728	562	772		
693	614	886		

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1932phae.proj.12850

O.S.R. – R.A. 4076 – June 8, 1932

strip	Star	y	x	Left.	Rt.	Cl.	Lk.	Volts
	15	1912	843	861	—	1227	709	5.20
	1	2155	574	1029	—	1230	712	
	2	—	—	1069	—	1241	710	
	3	—	—	1108	—	1246	710	
	4	—	—	1113	—	1226	709	
	5	—	—	1113	—	1213	704	
	6	—	—	1138	—	1216	706	
	7	—	—	1149	—	1206	706	
	8	—	—	1180	—	1205	707	
15.0	1	15.08	710	1175	1183	1215	704	
15.4	2	1551	574	1142	1159	1215	706	
	3	1559	646	1184	1185	1213	712	
15.6	4	1562	652	1197	1189	1223	716	
	5	1564	715	1198	1197	1218	716	
	6	1564	844	1143	1143	1211	716	
	7	1579	714	1197	1203	1228	719	
15.8	8	1585	937	1182	1183	1204	726	
16.0	9	1601	630	1183	1185	1228	722	
	10	1602	919	1153	1167	1204	723	
16.2	11	1631	509	1182	1183	1213	721	
	12	1630	789	1179	1196	1211	726	
16.4	13	1640	717	1131	1127	1203	725	
	14	1640	1185	1118	1116	1190	727	
	15	1650	454	1167	1177	1223	728	
16.6	16	1661	650	1137	1143	1223	721	
	17	1678	805	1167	1152	1211	721	
	18	1674	1113	1106	1112	1198	715	
16.8	19	1686	1038	1159	1163	1204	720	
	20	1680	1204	1086	1087	1177	717	
	21	1691	1223	1174	1170	1190	717	5.19

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1932phae.proj.12850

el.-Dk.	Mean Defl.-Dk.	Defl.-Dk.	Magn.	Remarks
518	152	292	~~off curve~~	
518	317	605		
531	359	677		
536	398	745		
517	404	779		
509	409	802		
500	432	857		
500	443	892		
498	473	950		
511	475	928	7.98	
509	444	870	7.09	(outside circle)
501	472	942	8.22	
507	477	948	8.34	
502	482	960	~~9.60~~ off curve	
495	427	861	6.97	
509	481	946	8.29	
478	456	957	off curve	
506	462	912	7.70	
481	447	930	8.00	
492	461	950	8.37	
485	462	952	off curve	
478	404	847	6.29	
463	390	835	6.62	
495	444	895	7.44	(outside circle)
502	419	894	6.61	
490	439	895	7.44	
483	384	794	6.15	
484	441	911	7.69	
460	369	790	6.10	
473	455	962	off curve	

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1932phae.proj.1285M

P.S.R. – R.H. 4076 – June 8, 1932

Stup	Star	y	x	Left	Left	Right	Right	Volts
17.0	22	1706	682	1181	1187	1207	712	5.19
	23	1708	751	1128	1136	1203	712	
	24	1702	817	1047	1049	1203	714	
	25	1719	490	1159	1171	1209	713	
	26	1713	1043	1143	1153	1203	713	
	27	1713	1068	1088	1088	1213	716	
17.2	28	1721	868	1193	1196	1222	732	
	29	1738	639	1202	1202	1227	727	
	30	1734	766	1167	1179	1232	724	
17.8	31	1780	800	1132	1130	1212	742	
	32	1782	1026	1142	1140	1198	737	
18.0	33	1816	996	1132	1126	1232	736	
18.2	34	1816	463	1192	1193	1237	740	
	35	1818	1048	1040	1043	1217	742	
	36	1820	1092	1113	1122	1213	738	
18.4	37	1852	729	1202	1204	1232	742	
18.6	38	1860	481	1214	1212	1237	703	
	39	1874	530	1176	1171	1221	738	
	40	1860	542	1197	1193	1237	743	
	41	1867	797	1179	1180	1228	743	
18.8	42	1890	482	1108	1112	1236	746	
	43	1889	1292	1099	1099	1213	739	
19.0	44	1900	447	1201	1203	1241	742	
19.2	45	1930	295	1152	1153	1242	733	
	46	1917	504	1193	1189	1223	743	
	47	1921	794	1140	1142	1219	742	
	48	1921	887	1102	1108	1222	742	
19.6	49	1970	571	1192	1192	1222	741	
	50	1962	609	1133	1138	1209	740	
	51	1959	968	1178	1174	1217	742	

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1932phae.proj.12850

Cl.–Dk.	Magn. Deff.–Dk.	Red. Deff.	Magn.	Remarks
495	472	962	off curve	
491	420	853	6.85	
489	334	682	5.02	
486	452	930	8.00	
490	445	908	7.62	
497	372	750	5.69	
490	462	948	8.34	
500	475	950	8.32	
508	449	886	7.30	
470	389	829	6.56	
461	404	879	7.20	
499	395	792	6.12	outside circle
497	452	910	7.67	
475	300	631	4.61	
465	380	818	6.41	
490	461	940	8.19	
484	460	950	8.37	
483	434	900	7.51	
494	452	915	7.75	
485	437	900	7.51	
487	354	727	5.47	
474	360	759	5.78	
499	460	933	8.05	
509	419	826	6.52	
480	448	935	8.08	
477	399	839	6.68	
480	363	759	5.72	
481	451	936	8.10	
469	396	842	~~off curve~~ 6.71	
475	434	917	7.77	

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1932phae.proj.12854

RJP-RH 4076 - June 8, 1932

Step	Star	y	x	dyll	dyll	cc	dk	Volts
19.8	52	1978	1368	1213	1206	1236	743	
20.0	53	2004	651	1211	1213	1232	743	
	54	2017	690	1058	1059	1215	740	
	55	2010	800	1147	1150	1217	733	
	56	2004	828	1147	1147	1212	741	
	57	2010	878	1170	1174	1210	734	
20.2	58	2011	943	1180	1177	1213	736	
20.4	59	2046	289	1193	1197	1236	736	
	60	2040	338	1171	1173	1249	743	
	61	2039	421	1182	1183	1232	742	
	62	2048	444	1174	1178	1223	727	
	63	2056	464	1106	1099	1212	722	
	64	2037	257	1182	1177	1210	724	
20.6	65	2060	866	1163	1163	1208	724	
21.0	66	2105	776	1174	1178	1208	722	
	67	2110	936	1173	1182	1205	722	
	68	2100	992	1120	1127	1198	727	
	69	2107	1218	1121	1127	1193	733	
21.2	70	2120	487	1155	1157	1217	721	
	71	2128	658	1182	1172	1198	728	
	72	2120	878	1147	1147	1207	736	
	73	2121	1204	1108	1155	1193	724	
	10	1912	843	900	—	1192	730	
	1	2105	574	1029	—	1203	718	
	2	—	—	1062	—	1210	718	
	3	—	—	1098	—	1213	720	570
	4	—	—	1093	—	1203	722	
	5	—	—	1117	—	1193	714	
	6	—	—	1136	—	1187	722	
	7	—	—	1128	—	1196	720	
	8	—	—	1178	—	1200	720	

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1932phae.proj.1285M

Cl.-Dk.	Degl.-Dk.	Red. Degl.	Magn.	Remarks
493	465	945	8.25	
489	469	963	off curve	
475	318	597	4.31	
484	415	854	6.89	
471	406	863	7.00	
476	438	919	7.80	
480	445	928	7.98	
503	462	921	7.84	outside circle
506	429	849	6.81	
490	440	896	7.45	
496	445	900	7.51	
490	381	776	5.96	
486	456	940	8.19	
484	439	907	7.61	
486	454	933	8.04	
483	456	942	8.21	
471	397	842	6.71	
460	391	851	6.83	
496	433	876	7.15	
475	454	953	off curve (?)	
474	414	875	7.15	
469	432	918	7.79	
462	170	363		
485	311	646		
492	344	700		
483	378	780		
481	391	772		
479	403	840		
465	414	889		
476	408	860		
480	458	955		

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1932phae.proj.12854

P.S.R. – R.H. 4076 – June 9, 1932

Step	Star	y	x	Eff.	Eff.	Co.	Lb.	Volts
	15	1912	843	880	—	1197	699	5.17
	1	2154	574	1027	—	1203	704	
	2	—	—	1053	—	1217	699	
	3	—	—	1083	—	1209	698	
	4	—	—	1093	—	1194	698	
	5	—	—	1103	—	1195	703	
	6	—	—	1127	—	1190	706	
	7	—	—	1137	—	1197	709	
	8	—	—	1167	—	1202	711	
21.4	74	2148	1140	1169	1170	1210	710	
	75	2143	1151	1187	1192	1209	711	
	76	2156	297	1206	1198	1240	717	
	77	2157	1197	1191	1187	1209	723	
	78	2157	1384	1166	1163	1217	718	
21.6	79	2173	948	1069	1074	1210	720	
	80	2172	1184	1184	1192	1199	716	
21.8	81	2187	867	1179	1176	1207	717	
	82	2191	377	1193	1203	1230	718	
22.0	83	2200	541	1175	1180	1227	722	
	84	2218	864	1166	1165	1214	722	
	85	2219	921	1183	1170	1207	721	
	86	2213	1239	1163	1171	1199	716	
22.2	87	2221	400	1162	1158	1216	716	
	88	2231	416	1144	1142	1206	717	
	89	2239	635	1165	1165	1198	718	
	90	2232	1123	1168	1162	1183	723	
22.4	91	2245	309	1162	1161	1217	710	
	92	2247	429	1127	1121	1216	708	
	93	2253	921	1133	1146	1186	712	
22.6	94	2260	704	1162	1163	1198	712	5.14

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1932phae.proj.1285M

Cl.–Dk.	Mean Dgl.–Dk.	Red. Dgl.	Magn.	Remarks
498	181	363		
499	323	648		
518	354	682		
511	385	750		
496	395	798		
492	400	828		
484	421	870		
488	428	878		
491	456	930		
500	460	920	7.95 ✓	
498	479	960	8.71	
523	485	930	8.13 ✓	
486	466	956	8.61	
499	446	897	7.57 ✓	
490	352	720	5.36	
483	472	978	off curve	
490	461	940	8.33 ✓	
512	480	945	8.41 ✓	
505	456	901	7.61 ✓	
492	444	901	7.61 ✓	
486	455	934	8.20 ✓	
483	451	937	8.25 ✓	
500	444	888	7.41 X	
489	426	872	7.19 ✓	
480	447	931	8.16 ✓	
460	442	960	8.71 ✓	
507	452	890	7.45 ✓	
508	416	820	6.46 ✓	
474	428	902	7.62 ✓	
486	450	925	8.05	

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1932phae.proj.12850

P. S. R. – R. H. 4076 – June 9, 1932

Hour	Star	y	x	Refl.	Refl.	Cl.	Elk.	Volts
22.6 (Cent)	95 ✓	2270	915	1113	1123	1182	718	5.14
22.8	96 ✓	2282	929	1156	1152	1191	718	
	97	2282	1093	1162	1163	1183	717	
	98 ✓	2296	404	1182	1180	1213	721	
	15	1922	843	906	—	1198	712	
	1	2154	573	1020	—	1193	711	
	2	—	—	1057	—	1204	711	
	3	—	—	1084	—	1203	707	
	4	—	—	1081	—	1187	706	
	5	—	—	1108	—	1182	708	
	6	—	—	1113	—	1185	709	
	7	—	—	1130	—	1184	710	
	8	—	—	1155	—	1183	710	5.13
	P. S. R. – R. H. 4076 – June 9, 1932.							
	10	1912	838	842	—	1140	696	6.05
	1	2154	569	976	—	1162	702	
	2	—	—	1013	—	1178	690	
	3	—	—	1052	—	1181	699	
	4	—	—	1067	—	1177	702	
	5	—	—	1073	—	1172	699	
	6	—	—	1106	—	1157	702	
	7	—	—	1107	—	1162	693	
	8	—	—	1137	—	1171	692	
23.0	99 ✓	2306	976	1122	1116	1193	700	
	100 ✓	2311	389	1141	1147	1192	710	
	101 ✓	2316	537	1092	1073	1188	708	
	102 ✓	2310	1268	1132	1133	1162	704	
23.2	103 ✓	2320	771	1126	1128	1186	707	
	104 ✓	2320	1067	1053	1052	1156	703	
23.4	105	2330	393	1147	1150	1193	708	

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1932phae.proj.1285w

Cl.–Dk.	Defl.–Dk.	Red. Dfl.	Magn.	Remarks
464	400	891	7.60 ✓	
473	496	921	8.15 ✓	
466	445	955 ✓	off curve	
492	460	958	8.57 ✓	
481	194	402		
482	309	643		
493	346	701		
496	377	760		
481	375	778		
474	400	846		
476	404	850		
474	420	885		
473	445	947		
447	149	335 ✓		
460	274	597		
588	423	720		
482	353	730		
474	364	769		
473	374	790		
455	404	890		
469	414	887		
479	445	934		
493	419	850	7.01 ✓	
472	434	920	8.12 ✓	
480	319	666	5.06 ✓	
458	428	937	8.56 ✓	
479	419	876	7.36 ✓	
453	349	770	6.07 ✓	
485	400	830	6.74 ✓	

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1932phae.proj.12850

XP - RH 4076 - June 9, 1932.

Strip	Star	Y	X	Diff	Diff	Cc	Ok	Volts
	106	2353	487	1116	1117	1186	712	
	107	2357	799	1108	1093	1174	704	
	108	2337	1357	1110	1112	1163	703	
23.6	109	2360	697	1070	1060	1182	710	
	110	2367	696	1112	1128	1177	708	
	111	2366	1274	1120	1120	1171	705	
23.8	112	2389	1199	1116	1109	1163	706	
24.0	113	2400	400	1159	1160	1198	718	
	114	2410	682	1112	1108	1192	717	
	115	2409	1208	1029	1021	1163	713	
	116	2405	1202	1109	1122	1177	713	
24.2	117	2419	342	1077	1087	1199	713	
	118	2419	441	1127	1126	1202	718	
	119	2431	453	974	969	1193	713	
	120	2420	1179	1124	1122	1172	713	
24.4	121	2440	655	1130	1128	1199	723	
24.6	122	2455	696	1156	1156	1200	718	
	123	2472	973	1143	1138	1182	719	
24.8	124	2490	787	1137	1123	1183	722	
	125	2497	813	1058	1082	1199	722	
25.2	126	2521	797	1107	1106	1192	726	
	127	2539	994	1078	1072	1187	728	
25.6	128	2570	989	1125	1132	1178	732	
26.0	129	2604	846	1138	1128	1187	726	
	130	2605	1039	1156	1153	1182	722	
	10	1912	838	907	—	1193	727	good
	1	2154	669	1107	—	1206	731	
	2	—	—	1062	—	1210	729	
	3	—	—	1088	—	1207	722	
	4	—	—	1092	—	1203	729	

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1932phae.proj.1285M

Cl.–Dk.	Mean Dgl.–Dk.	Red. Dgl.	Magn.	Remarks
474	403	850	7.01	
470	396	841	6.89	
460	408	881	7.44	
472	355	753	5.89	
469	412	880	7.43	
466	415	889	7.52	
457	406	891	7.60	
480	442	920	8.12	
475	393	830	6.74	
450	312	692	5.29	
464	403	870	7.28	
486	379	980	off curve	
~~494~~	407	840	6.82	
480	259	543	4.02	
459	410	892	7.61	
476	406	853	7.03	
482	438	910	7.94	
463	421	911	7.95	
461	418	898	7.71	
477	348	730	5.65	
469	383	818	6.60	
459	347	754	5.90	
441	396	900	7.75	
464	410	889	7.52	
460	432	937	8.03	
466	180	387		
475	276	577		
487	339	698		
485	366	756		
494	363	718		

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1932phae.proj.12850

Strip	Star	y	x	Diff	Diff	cc	Dk	Volts
Plate Invisible	5	—	—	1106	—	1200	724	
	6	—	—	1112	—	1183	726	
	7	—	—	1131	—	1193	727	
	8	—	—	1172	—	1208	732	

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1932phae.proj.1285W

Cl.–Dk	Mean Defl.–Dk	Rel. Defl.	No	Remarks
476	382	802		
460	389	846		
466	404	869		
476	440	925		

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1932phae.proj.12850

196 Plate slightly hazy. M. m. — RH 4144 — June 10, 1932.

Strip	Star	y	x	dlyf	dlyf	cc	dk	Volts
	1s	2094	824	924	—	1241	672	5.00
	1	1751	697	1098	—	1265	678	
	2	—	—	1152	—	1271	681	
	3	—	—	1158	—	1264	690	
	4	—	—	1181	—	1268	692	
	5	—	—	1200	—	1265	690	
	6	—	—	1213	—	1272	696	
	7	—	—	1231	—	1289	695	
	8	—	—	1242	—	1272	691	
15.4	1	1543	808	1258	1258	1273	698	
15.6	2	1573	533	1242	1242	1272	700	
	3	1560	682	1241	1237	1268	706	
	4	1569	710	1238	1228	1258	705	
15.8	5	1590	782	1248	1254	1272	704	
16.0	6	1604	711	1239	1241	1260	708	
16.2	7	1635	680	1249	1245	1262	708	
16.4	8	1642	428	1172	1163	1268	706	
16.6	9	1671	464	1232	1241	1271	708	
	10	1675	1040	1237	1240	1290	711	
16.8	11	1696	1149	1272	1272	1290	709	
17.0	12	1704	521	1225	1230	1272	710	
17.2	13	1725	362	1188	1182	1262	715	
	14	1731	610	1220	1223	1272	715	
	15	1718	642	1220	1230	1283	715	
17.4	16	1743	478	1248	1248	1272	718	
	17	1748	536	1242	1250	1271	718	
17.6	18	1775	308	1249	1242	1256	715	
	19	1772	528	1242	1232	1280	722	
	20	1768	558	1238	1241	1272	718	
	21	1771	825	1248	1261	1278	716	

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1932phae.proj.12850

Cl.-Dk.	mean Defl-Dk.	Rd. Defl.	Magn.	Remarks
569	252	471		
587	420	717		
590	471	798		
574	468	812		
576	489	850		
575	510	886		
576	517	899		
594	536	950		
581	551	1000		
575	560	975	8.283	
572	542	950	~~7.20~~ 7.75	
562	533	952	~~7.12~~	
553	528	956	7.83	
568	547	960	7.91	
552	532	962	7.97	
554	539	970	8.12	
562	462	821	5.59	
563	528	938	7.47	
579	527	910	6.94	
581	563	968	8.09	
562	518	921	7.12	
547	470	860	6.13	
557	507	909	6.91	
568	510	898	6.72	
554	530	955	7.80	
553	528	949	7.69	
541	531	982	8.40	
558	515	928	7.27	
554	522	940	7.50	
562	534	949	7.69	

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1932phae.proj.12850

m. m. — RH 4144 — June 10, 1932.

Stig	Star	y	x	Defl.	Defl.	d.	Dk. volt.	
18.0	22	1803	410	1247	1261	1285	720	
	23	1809	1148	1231	1228	1297	718	
18.2	24	1830	306	1216	1202	1252	722	
	25	1824	488	1236	1233	1285	718	
	26	1822	731	1222	1228	1281	718	
	27	1823	852	1249	1250	1288	725	
18.4	28	1851	1239	1268	1258	1300	726	
18.6	29	1879	678	1172	1180	1291	722	
18.8	30	1888	1178	1200	1200	1278	732	
19.6	31	1960	508	1178	1186	1282	728	
	32	1978	928	1228	1225	1278	728	
	33	1968	1305	1218	1220	1285	731	
	1s	2094	824	959		1272	732	
	1	1757	697	1122	—	1276	730	
	2	—	—	1161	—	1278	732	
	3	—	—	1171	—	1268	731	
	4	—	—	1205	—	1272	732	
	5	—	—	1201	—	1269	728	
	6	—	—	1220	—	1268	730	
	7	—	—	1232	—	1290	730	
	8	—	—	1245	—	1281	728	580

Repeat — RH 4144 — June 10, 1932 — 490

1s	2094	799	893	—	1170	668
1	1757	674	1052	—	1192	674
2	—	—	1103	—	1198	672
3	—	—	1163	—	1198	676
4	—	—	1203	—	1208	674
5	—	—	1163	—	1193	678
6	—	—				
7	—	—				
8	—	—				

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1932phae.proj.12851

Cl.-Dk.	Mean. Diff.-Dk.	Rel. Diff.	Magn.	Remarks
565	534	942	7.52	
579	512	882	6.79	
530	487	920	7.10	
567	516	910	6.94	
563	507	900	6.76	
563	505	898	6.71	
574	527	920	7.10	
569	454	800	5.34	
546	468	860	6.13	
554	454	817	5.55	
556	498	908	6.90	
554	488	880	6.60	
540	227	420		
546	392	718		
546	429	790		
537	440	820		
540	473	872		
541	473	871		
538	490	915		
560	502	899		
563	517	938		

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1932phae.proj.12850

M. M. – R.H. 4144 – June 1, 1932.

Trip	Star	y	x	Defl	Defl	ce	dk	Volts
	1s	2094	842	928		1278	671	5.38
	1	1751	714	1108	—	1285	675	
	2	—	—	1162	—	1292	678	
	3	—	—	1181	—	1288	686	
	4	—	—	1193	—	1292	682	
	5	—	—	1212	—	1292	680	
	6	—	—	1238	—	1305	679	
	7	—	—	1241	—	1318	688	
	8	—	—	1272	—	1292	688	
19.8	34	1995	1042	1129	1132	1312	700	
	35	1983	1082	1288	1295	1314	702	
20.0	36	1999	165	1210	1221	1265	708	
	37	2010	1055	1261	1259	1318	710	
	38	2002	1248	1307	1290	1326	708	
20.2	39	2018	838	1298	1292	1322	711	
	40	2024	1100	1281	1285	1318	712	
20.6	41	2068	782	1296	1285	1328	715	
	42	2059	1108	1296	1300	1318	712	
20.8	43	2081	380	1288	1292	1328	718	
21.0	44	2104	1227	1240	1235	1318	720	
21.2	45	2122	1026	1280	1286	1312	718	
21.4	46	2150	392	1272	1268	1320	720	
21.6	47	2165	770	1308	1299	1334	728	
	48	2175	1159	1258	1251	1324	728	
22.0	49	2206	332	1160	1158	1321	722	
	50	2212	362	1293	1300	1342	721	
	51	2005	1315	1298	1290	1330	730	
22.4	52	2247	832	1272	1262	1338	732	
22.6	53	2268	489	1308	1306	1330	732	
	54	2270	582	1318	1310	1349	732	

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1932phae.proj.12850

Cl.–Dk.	Mean Dyl–Dk.	Red. Dyl	Magn.	Remarks
607	251	428		
610	433	708		
614	484	790		
602	495	825		
610	511	840		
612	532	870		
626	569	893		
620	553	891		
604	584	966		
612	430	700	4.37	
612	590	962	8.49	
557	518	930	7.59	
608	550	912	7.18	
618	590	955	8.29	
611	584	955	8.29	
606	571	942	7.90	
613	575	938	7.51	
606	586	969	8.71	
610	572	940	7.84	
598	518	868	6.31	
594	565	952	8.19	
600	550	918	7.31	
606	576	954	8.23	
596	526	888	6.52	
599	433	722	4.55	
621	575	928	7.30	
600	564	947	8.01	
606	535	885	6.60	
598	575	961	8.47	
617	582	942	7.89	

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1932phae.proj.12850

m.m — RH 4144 — June 11, 1932.

Strip	Star	y	x	Defl.	Defl.	Cl	Dk.	Wlf
	55	2260	666	1278	1288	1338	733	
22.8	56	2290	450	1272	1262	1332	738	
23.0	57	2300	300	1218	1204	1330	732	
	58	2302	552	1206	1188	1328	732	
	59	2308	653	1310	1312	1340	735	
23.2	60	2320	364	1248	1258	1332	738	
	61	2325	779	1310	1312	1332	738	
23.4	62	2339	562	1292	1281	1332	738	
	63	2355	680	1272	1268	1324	735	
23.6	64	2360	1021	1191	1179	1312	742	
	65	2369	1026	1257	1262	1322	741	0 0 0
23.8 24.0	66	2411	325	1234	1224	1318	751	
	67	2398	341	1283	1279	1307	747	
	68	2413	879	1142	1139	1287	742	
	69	2401	1272	1308	1307	1314	748	
24.2	70	2433	943	1219	1200	1298	752	
24.6	71	2474	429	1100	1092	1312	752	
	72	2472	1077	1263	1258	1312	752	
24.8	73	2487	579	1258	1258	1302	747	
25.0	74	2504	357	1237	1238	1317	752	
	75	2513	1027	883	858	1269	748	
25.4	76	2550	863	1247	1238	1298	752	
	77	2540	1037	1147	1132	1292	756	
	78	2541	1114	1221	1222	1313	739	
25.6	79	2551	905	1258	1248	1298	752	
	80	2564	921	1242	1238	1307	749	
26.0	81	2609	614	1283	1272	1297	756	
26.2	82	2612	942	1267	1263	1302	753	
26.6	83	2658	623	1203	1197	1282	750	
	84	2673	719	1222	1218	1278	752	

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1932phae.proj.12851

Cl – Dk.	Mean Defl. – Dk	Red. Defl.	Magn.	Remarks.
605	550	909	7.11	
594	529	894	6.79	
598	479	800	5.32	
596	465	782	5.17	
605	576	950	8.11	
594	515	868	6.31	
594	573	962	8.49	
594	578	970	8.80	
589	535	912	7.18	
570	443	778	5.12	
581	515	882	6.55	
567	578	1010	off curve	
560	534	953	8.20	
545	398	730	4.63	
566	560	992	off curve	
546	448	821	5.64	
560	344	615	3.78	
560	508	908	7.09	
555	511	921	7.39	
565	486	824	5.69	
521	122	232	off curve	
546	490	898	6.87	
539	387	717	4.51	
594	483	817	5.60	
546	501	915	7.25	
558	491	880	6.51	
544	525	956	8.30	
549	512	932	7.62	
532	450	843	5.93	
521	468	898	6.87	

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1932phae.proj.1285M

KJP-RA #144 — June 11, 1932

Strip	Star	Y	X	Diff	Diff	Cc	Dk	Volts
Plate Finished	10	6097	842	942	+	1296	752	
	1	1753	712	1167	—	1327	763	
	2	—	—	1218	—	1324	752	
	3	—	—	1213	—	1317	752	
	4	—	—	1299	—	1327	752	
	5	—	—	1260	—	1313	763	
	6	—	—	1278	—	1328	752	
	7	—	—	1282	—	1343	763	
	8	—	—	1292	—	1323	751	520

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1932phae.proj.12851

Cl.-Dk	Mean Diff.-Dk.	Magn.	Remarks.
544	220	403	
574	414	720	
572	466	812	
565	461	868	
575	487	849	
560	509	908	
581	526	900	
580	519	895	
573	542	949	

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1932phae.proj.12850

M. M. — RH4107 — June 13, 1932.

Strip	Star	y	x	Defl.	Defl.	Cl.	Dk.	Volt.
	ls	1901	836	1053	—	1600	712	5.20
	1	2177	602	1311	—	1608	712	
	2	—	—	1392	—	1620	720	
	3	—	—	1443	—	1621	722	
	4	—	—	1462	—	1626	723	
	5	—	—	1478	—	1622	728	
	6	—	—	1529	—	1658	736	
	7	—	—	1546	—	1662	742	
	8	—	—	1599	—	1648	746	
15.0	1	1570	739	1540	1562	1610	745	
15.4	2	1555	602	1509	1522	1621	748	
15.6	3	1562	663	1578	1569	1625	751	
	4	1565	680	1572	1581	1622	759	
	5	1569	871	1529	1578	1628	752	
	6	1561	998	1571	1570	1632	748	
15.8	7	1580	584	1589	1589	1626	751	
	8	1583	742	1600	1591	1622	748	
16.0	9	1605	659	1558	1562	1629	755	
	10	1606	948	1578	1582	1631	752	
16.4	11	1653	481	1578	1581	1648	752	
	12	1644	746	1474	1485	1632	753	
16.6	13	1665	678	1578	1590	1622	752	
16.8	14	1689	1067	1600	1588	1642	756	
	15	1678	1141	1578	1572	1652	758	
	16	1685	1232	1483	1500	1664	754	
	ls	1901	836	1669	—	1652	755	
	1	2177	602	1358	—	1642	758	
	2	—	—	1412	—	1661	752	
	3	—	—	1468	—	1652	751	
	4	—	—	1492	—	1648	756	

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1932phae.proj..1285II

Co.-Dk.	Mean Defl.-Dk.	Red. Defl.	Magn.	Remarks
888	341	383		
896	599	669		
~~900~~	672	750		
899	721	803		
903	739	818		
894	740	828		
922	793	860		
920	804	878		
902	853	948		
865	806	930	8.08	
873	768	879	7.15	
874	823	941	8.34	
863	817	946	8.45	
876	797	911	7.72	
884	822	930	8.08	
875	888	960	8.80	
874	878	970	off curve	
874	805	918	7.85	
879	828	943	8.39	
896	828	922	7.92	
879	727	829	6.38	
870	767	880	7.12	
886	838	947	8.47	
894	757	836	6.47	
910	738	810	6.11	
897	314	848	off curve	
884	600	679	4.55	
909	660	728	5.06	
901	717	797	5.91	
892	736	825	6.33	

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1932phae.proj.12850

M.M. — RH 4107 — June 13, 1932

Strip	Star	y	x	Defl.	Defl.	a.	Dk.	Volt.
	5	—	—	1518	—	1652	748	
	6	—	—	1543	—	1681	756	
	7	—	—	1552	—	1662	758	
	8	—	—	1591	—	1651	750	5.20
		P.L.R. — R.H. 4107 — June 14, 1932						
	25	1901	840	1083	—	1700	713	5.28
	1	2176	606	1370	—	1693	719	
	2	—	—	1438	—	1700	720	
	3	—	—	1494	—	1691	720	
	4	—	—	1503	—	1693	717	
	5	—	—	1533	—	1690	718	
	6	—	—	1577	—	1707	717	
	7	—	—	1595	—	1723	718	
	8	—	—	1632	—	1687	713	
17.0	17 ✓	1709	714	1612	1616	1660	713	
	18 ✓	1717	849	1410	1414	1676	713	
	19 ✓	1711	783	1530	1536	1654	713	
	20 ✓	1718	1075	1567	1560	1687	711	
	21 ✓	1717	1100	1480	1495	1679	711	
17.2	22 ✓	1722	523	1547	1559	1652	706	
	23 ✓	1725	902	1620	1621	1670	710	
	24 ✓	1724	1139	1633	1622	1690	712	
	25 ✓	1739	800	1559	1566	1662	712	
17.4	26 ✗	1740	671	1589	1597	1658	713	
	27 ✓	1743	891	1618	1610	1664	713	
	28 ✓	1757	480	1598	1596	1658	717	
	29 ✓	1756	514	1617	1616	1665	717	
	30 ✓	1751	846	1626	1623	1674	717	
17.6	31 ✓	1761	1035	1637	1629	1672	1713	
17.8	32 ✓	1784	832	1493	1495	1670	1714	5.25

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1932phae.proj.12851

Cl-Dk	Mean Defl-Dk.	Red. Defl.	Mags	Remarks
904	770	851		
925	787	850		
904	794	875		
901	841	932		
987	370	375		
974	651	670		
980	718	731		
971	774	800		
976	786	805		
972	815	838		
990	860	868		
1015	877	959		
974	919	940		
947	901	951	off curve	
963	699	727	5.12	
941	820	872?	7.51	
976	859	872	7.12	
968	777	804	6.03	
946	847	895	7.59	
960	910	947	8.90	
978	916	937	8.60	
950	850	893	7.53	
945	880	932	8.48	
951	901	946	8.87	
941	880	932	8.48	
948	899	948	8.91	
957	907	950	9.00	
959	920	962	off curve	
956	780	821	6.29	

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P.S.R. – R.H. 4107 – June 14, 1932

Trip	Star	y	x	Lhelf.	Lhelf.	O.	Dk.	Notes
17.8(Cut)	33	1798	607	1579	1583	1663	716	5.25
18.0	34	1819	367	1499	1497	1676	714	
	35	1819	434	1581	1582	1674	713	
	36	1818	603	1612	1633	1659	716	
	37	1815	1156	1630	1642	?1889	717	?
18.2	38	1829	1082	1550	1550	1671	727	520
	39	1823	1124	1469	1487	1683	732	
18.6	40	1867	902	1601	1623	1682	737	
	41	1862	563	1612	1618	1662	733	
	42	1863	573	1588	1587	1668	742	
18.8	43	1892	563	1490	1476	1674	738	
	44	1868	562	1572	1552	1663	739	
	45	1891	1324	1442	1437	1683	738	
19.0	46	1901	479	1617	1612	1662	742	
19.2	47	1934	328	1530	1522	1663	750	
	48	1921	608	1632	1637	1668	732	
	49	1926	827	1531	1520	1678	740	
	50	1928	918	1424	1462	1663	728	
19.6	51	1977	603	1592	1591	1662	727	
	52	1969	642	1572	1529	1662	727	
	53	1960	705	1607	1614	1663	727	
	54	1971	725	1617	1610	1662	729	
	55	1961	991	1623	1597	1667	728	
20.0	57	~~2004~~	~~1501~~	~~1592~~	~~1588~~	~~1654~~	~~732~~	
	56	2019	584	1603	1597	1663	733	
	57	2013	832	1548	1522	1667	730	
	58	2008	859	1550	1567	?1677	731	
20.2	59	2019	721	1592	1563	1643	720	
	60	2028	1247	1622	1632	1682	732	
20.4	61	2049	322	1582	1582	1677	731	

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1932phae.proj.12851

α.-Dk.	Magn. Defl.-Dk.	Red. Defl.	Magn.	Remarks
947	865	918	8.10	
962	784	817	6.22	(outside circle)
961	819	905	7.82	
943	906	958	off curve	
1172?	919	947 801	8.1 5.99	
944	623	660	4.44	
951	746	784	5.78	
945	865	918	8.10	
929	882	950	9.00	
926	846	916	8.04	
936	745	795	5.93	
920	829	901	7.72	
945	702	742	5.29	
920	872	947	8.90	
913	776	850	6.71	
926	902	978	off curve	
933	786	841	6.57	
935	720	770	5.60	
925	865	932	8.48	
935	809	867	7.02	
936	873	930	8.42	
933	875	938	8.63	
949	872	920	8.17	
930	867	932	8.49	
937	805	859	6.89	(accepted)
?846	837	882 989	735 off curve	?
923	652	708	4.92	
950	895	942	8.78	
946	851	899	7.68	

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1932phae.proj.1285M

WP - R# 4107 - June 14, 1932.

trip	star	y	x	dlyfl	dlyfl	ce	dk	volts
	62 ✓	2047	970	1560	1560	1673	732	
	63 ✓	2040	452	1583	1588	1669	728	
	64 ✓	2050	477	1562	1581	1667	728	
	65 ✓	2040	1289	1630	1621	1680	731	
20.6	66 ✓	2060	494	1473	1459	1676	732	
	67 ✓	2062	892	1600	1598	1678	729	
	68 ✓	2064	1374	1623	1608	1672	737	
21.0	69 ✓	2110	1000	1592	1584	1662	732	
	70 ✓	2102	1123	1542	1523	1682	726	
	71 ✓	2110	1250	1570	1604	1672	729	
21.2	72 ✓	2131	518	1608	1603	1663	732	
	73 ✓	2118	1063	1583	1580	1667	732	
	74 ✓	2137	792	1598	1600	1662	731	
	75 ✓	2132	919	1602	1609	1663	728	
	76 ✓	2125	1237	1586	1582	1692	728	
21.4	77 ✓	2130	691	1600	1623	1641	732	
	78 ✓	2107	1133	1632	1602	1672	729	
21.6	79 ✓	2160	329	1633	1623	1673	726	
21.8	80	2180	979	1430	1432	1669	732	
22.2	81 ✓	2226	423	1553	1544	1663	732	
	82 ✓	2237	448	1538	1552	1656	723	
	83 ✓	2220	894	1590	1587	1662	732	
	84 ✓	2218	1270	1578	1573	1661	723	720
	10	1901	840	1053	—	1632	728	
	1	2176	606	1533	—	1651	731	
	2	—	—	1422	—	1662	723	
	3	—	—	1459	—	1643	724	
	4	—	—	1479	—	1653	732	
	5	—	—	1501	—	1650	728	
	6	—	—	1537	—	1677	728	
	7	—	—	1565	—	1682	733	
	8	—	—	1612	—	1660	730	

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1932phae.proj.12851

Cl.-Dk.	Cl.-Dk.	Red. Dgl.	Magn.	Remarks
941	828	880	7.30	
941	858	916	8.05	
939	844	899	7.68	
949	895	943	8.79	
944	737	778	5.71	
949	870	918	8.10	
935	869	928	8.37	
930	856	920	8.17	
949	805	846	6.65	
943	778	824	6.33	
931	824	888	7.42	
935	850	907	7.85	
931	868	930	8.41	
935	828	885	7.39	
964	856	888	7.42	
909	870	957	off curve	
943	888	940	8.70	
940	845	952	off curve	
937	699	748	5.36	
931	816	878	7.25	
923	812	881	7.30	
930	856	920	8.17	
944	853	902	7.24	
904	325	359	2.52	
920	602	654	4.39	
939	699	743	5.31	
919	735	802	6.00	
921	747	814	6.19	
922	773	837		
949	809	852		
949	820	865		
94	882	915		

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1932phae.proj.12850

P.S.R. – R. H. 4107 – June 15, 1932

Strip	Star	y	p	Hyd.	Hyd.	ce	ck	Volts
	15	1902	840	1046	—	1647	697	5, 21
	1	2176	607	1272	—	1666	696	
	2	—	—	1372	—	1665	696	
	3	—	—	1417	—	1653	697	
	4	—	—	1439	—	1652	697	
	5	—	—	1459	—	1649	698	
	6	—	—	1513	—	1684	698	
	7	—	—	1523	—	1677	702	
	8	—	—	1596	—	1662	700	
22.4	85	2248	340	1560	1570	1661	698	
	86	2242	677	1550	1547	1656	703	
	87	2242	1206	1599	1598	1663	702	
	88	2236	1155	1593	1597	1677	702	
	89	2250	463	1466	1473	1662	703	
	90	2258	953	1530	1536	1680	706	
22.6	91	2265	737	1579	1573	1661	707	
	92	2273	948	1497	1497	1667	708	
22.8	93	2287	960	1589	1593	1658	709	
	94	2289	980	1582	1583	1658	708	
23.0	95	2309	412	1513	1496	1660	711	
	96	2300	435	1602	1603	1665	711	
	97	2308	498	1581	1584	1662	710	
	98	2313	280	1557	1553	1670	712	
	99	2315	426	1567	1564	1663	713	
	100	2317	573	1447	1445	1652	712	
	101	2313	1275	1563	1568	1653	713	
	15	1902	840	987	—	1633	716	
	1	2176	606	1263	—	1652	717	
	2	—	—	1358	—	1644	721	
	3	—	—	1416	—	1642	727	
	4	—	—	1437	—	1640	727	
	5	—	—	1467	—	1646	729	
	6	—	—	1506	—	1660	735	
	7	—	—	1528	—	1678	737	
	8	—	—	1596	—	1648	741	5, 18

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Cl.-Dk.	Mean Deg.-Dk.	Red. Defl.	Magn.	Remarks
950	349	367		
970	576	593		
969	676	698		
956	720	753		
955	742	777		
951	761	800		
986	815	828		
975	821	843		
962	896	935		
963	867	900	7.81	✓
953	845	886	7.61	✓
961	896	932	8.28	✓
975	893	918	8.08	✓
959	767	802	6.49	✓
974	827	848	7.10	✓
954	869	910	7.96	✓
959	789	820	6.73	✓
949	882	930	8.26	✓
950	874	922	8.13	✓
949	793	838	6.98	✓
954	891	933	8.30	✓
952	872	918	8.08	✓
958	843	882	7.56	✓
950	853	898	7.78	✓
940	734	782	6.27	✓
940	859	910	7.96	✓
917	271	297		
935	546	584		
928	631	683		
916	689	751		
913	710	778		
917	738	801		
926	771	832		
941	791	842		
907	855	946		

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XJP - RZ Ψ 107 - June 15, 1932.

Strip	Star	y	x	dyy	dyy	cc	dx	Col V
	1A	1902	840	1030	~~1030~~	1573	682	670
	1	2176	607	1258	—	1612	683	
	2	—	—	1397	—	1607	692	
	3	—	—	1412	—	1603	689	
	4	—	—	1418	—	1609	692	
	5	—	—	1452	—	1617	691	
	6	—	—	1478	—	1648	697	
	7	—	—	1507	—	1667	697	
	8	—	—	1547	—	1632	698	
23.2	102	2330	409	1573	1581	1632	702	
	103	2320	808	1529	1529	1643	707	
	104	2324	1103	1480	1397	1641	712	
23.4	105	2333	481	1564	1569	1662	716	
	106	2338	523	1501	1520	1653	716	
23.6	107	2367	545	1589	1592	1655	714	
	108	2361	763	1443	1464	1662	718	
	109	2370	731	1557	1568	1664	717	
	110	2360	836	1489	1491	1649	718	
23.8	111	2390	847	1589	1583	1661	708	
	112	2391	1264	1527	1502	1663	726	
24.0	113	2404	437	1593	1602	1661	722	
	114	2411	619	1523	1498	1668	723	
	115	2411	708	1608	1619	1672	724	
	116	2411	1247	1323	1313	1667	729	
24.2	117	2434	359	1461	1461	1657	729	
	118	2420	579	1410	1408	1658	733	
	119	2421	479	1482	1491	1608	728	
	120	2436	488	1252	1267	1643	726	
	121	2430	721	1599	1582	1668	728	
	122	2423	1216	1536	1527	1649	723	

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Cl.–Dk.	Mean Dyl.–Dk.	Red. Dyl.	Magn.	Remarks
891	348	390		
929	575	618		
915	645	703		
914	723	792		
907	726	800		
926	761	822		
951	781	820		
970	810	892		
934	879	934		
930	875	943	8.59 ✓	
936	822	878	7.39 ✓	
929	686	738	5.49 ✓	
949	853	900	7.77 ✓	
940	797	850	6.95 ✓	
941	876	930	8.34 ✓	
944	750	794	6.13 ✓	
947	845	888	7.44 ✓	
931	772	830	6.62 ✓	
923	848	925?	8.12 ✓	
940	807	859	7.08 ✓	
939	876	937	8.47 ✓	
945	787	830	6.62 ✓	
948	890	938	8.48 ✓	
938	589	629	4.44 ✓	
928	732	790	6.09	
925	676	731	5.44 ✓	
930	758	812	6.39 ✓	
917	534	586	4.07 ✓	
940	862	920	8.13 ✓	
916	799	873	7.33 ✓	

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KLP-RH 4107 - June 15, 1932.

Temp	Star	Y	X	Diff	Diff	cc	Dk	Volts
24.4	123	2442	692	1529	1523	1643	733	
24.6	124	2459	732	1612	1613	1691	732	
24.8	125	2490	420	1557	1552	1682	733	
	126	2481	802	1602	1600	1668	738	
	127	2492	824	1540	1536	1667	742	
	128	2479	1010	1573	1570	1643	743	
	129	2483	1182	1583	1582	1671	743	
25.0	130	2000	851	148	1420	1658	742	
25.2	131	2527	823	1473	1472	1657	737	
25.4	132	2541	1032	1420	1413	1649	739	
25.6	133	2563	487	1482	1489	1664	742	
	134	2571	1026	1538	1528	1643	742	
26.0	135	2606	603	1573	1572	1653	738	
	136	2608	882	1576	1497	1657	742	
26.4	137	2631	686	1584	1572	1662	747	
	1A	1902	840	1100	—	1645	752	57.0
	1	2176	607	1314	—	1652	748	
	2	—	—	1400	—	1673	752	
	3	—	—	1463	—	1652	742	
	4	—	—	1462	—	1659	744	
	5	—	—	1508	—	1658	743	
	6	—	—	1548	—	1681	748	
	7	—	—	1540	—	1679	745	
	8	—	—	1607	—	1662	743	

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1932phae.proj.12851

α.-Dk.	Defl.-Dk.	Red. Defl.	Magn.	Remarks
910	793	872	7.32	
959	880	918	8.08	
949	821	865	7.20	
930	863	924	8.20	
925	806	865	7.20	
930	829	891	7.61	
928	839	900	7.78	
916	677	739	5.50	
920	735	798	6.20	
910	683	752	5.65	
922	744	808	6.30	
921	791	860	7.10	
915	834	918	8.08	
915	764	838	6.73	
915	831	910	7.94	× (outside circle)
893	342	383	2.55	
904	566	628	4.43	
921	648	700	5.11	
910	721	793	6.12	
915	718	785	6.03	
915	765	837	6.72	
933	806	858	7.08	
934	795	850	6.95	
919	864	939	8.33	

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1932phae.proj.1285N

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1932phae.proj.128SM

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