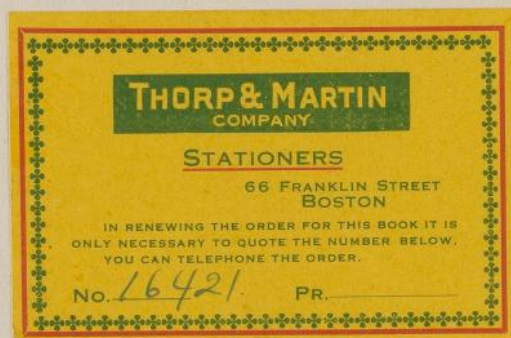


KG  
11366  
v. 285

P'TM B'K 88























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 P.S.R. - R. H. 4197 - June 29, 1932

Strip	Star	y	x	Defl.	Defl.	Cl.	Lk.	Volts
	15	2122	818	979	—	1409	756	5.30
	1	1760	806	1196	—	1443	763	
	2	—	—	1205	—	1462	768	
	3	—	—	1273	—	1458	772	
	4	—	—	1326	—	1448	777	
	5	—	—	1323	—	1450	779	
	6	—	—	1361	—	1457	780	
	7	—	—	1376	—	1452	781	
	8	—	—	1417	—	1457	781	
21.2	<del>24</del> 25	2121	654	1310	1303	1448	780	
	<del>25</del> 26	2122	1046	1418	1416	1464	782	
21.4	<del>26</del> 27	2147	874	1397	1395	1448	784	
21.6	27	2169	729	1383	1398	1460	788	
	28	2175	709	1377	1374	1443	787	
21.8	29	2183	446	1389	1389	1447	792	
	30	2183	736	1409	1400	1459	790	
	31	2199	792	1400	1392	1451	792	
22.0	32	2208	965	1409	1407	1454	792	
	33	2212	209	1376	1379	1447	796	
	34	2211	376	1410	1396	1438	792	
22.2	35	2226	1312	1314	1310	1448	792	
	36	2231	1252	1302	1296	1443	791	
22.4	37	2250	1175	1385	1383	1445	792	
22.6	38	2271	840	1377	1381	1440	792	
	39	2278	1078	1355	1362	1430	791	
22.8	40	2288	1039	1352	1352	1408	797	520
	41	2280	1079	1350	1352	1417	793	
23.0	42	2310	767	1390	1370	1437	803	
23.8	43	2379	817	1318	1317	1447	798	
24.0	44	2462	402	1386	1357	1417	796	



U. Stk.	Mean Depl. - 12	Red. Depl.	Magn.	Remark.
653	223	347	—	
680	433	652	—	
694	437	624	—	
686	501	731	—	
671	549	819	—	
671	544	812	—	
677	581	860	—	
671	595	887	—	
676	636	941	—	
668	526	788	600 ✓	
682	635	931	768 ✓	
664	612	924	760 ✓	
672	602	896	719 ✓	
656	589	897	720 ✓	
655	597	915	743 ✓	
669	614	918	749 ✓	
659	604	917	749 ✓	
662	616	931	769 ✓	
651	582	895	719 ✓	
646	611	946	792 ✓	
656	620	945	792 ✓	
652	508	780	589 ✓	
653	592	907	732 ✓	
648	587	906	732 ✓	
639	567	889	709 ✓	
611	555	908	732 ✓	
624	558	895	718 ✓	
634	577	911	740 ✓	
649	520	803	613 ✓	
623	572	920	750 ✓	



ALGP - R H 4197 - June 29, 1932

Strip	Star	$\gamma$	$\chi$	Diff	Diff	ce	pk	Bolts
24.2	45 ✓	2443	1047	1372	1365	1447	788	
24.4	46 ✓	2450	1174	1372	1362	1437	792	
24.8	47 ✓	2483	782	1382	1379	1430	783	
25.4	48 ✗	2500	612	1411	1392	1440	793	
	49 ✓	2553	600	1257	1238	1439	793	
	50 ✓	2543	1040	1358	1350	1423	794	
25.6	51 ✓	2562	967	1306	1305	1413	794	
25.8	52 ✓	2591	876	1369	1356	1429	793	
26.8	53 ✓	2689	600	1347	1334	1423	798	
	10	2122	818	1038	—	1421	796	520
	1	1760	860	1258	—	1442	803	
	2	—	—	1278	—	1437	802	
	3	—	—	1289	—	1458	803	
	4	—	—	1348	—	1432	801	
	5	—	—	1332	—	1438	797	
	6	—	—	1353	—	1433	798	
	7	—	—	1367	—	1422	798	
	8	—	—	1397	—	1416	803	

Plates  
finished



$\alpha$ - $\delta$	Mean Day- $\delta$	Red. Day- $\delta$	Magn.	Remarks
659	580	882	703 ✓	
645	575	891	713 ✓	
647	597	923	754 ✓	
647	609	940	786 x	
646	453	705	515 ✓	
629	560	891	715 ✓	
619	572	829	640 ✓	
636	569	895	720 ✓	
625	542	868	681 ✓	
625	242	388	<del>272</del>	
639	453	712	<del>522</del>	
635	476	750	<del>558</del>	
655	486	742	<del>558</del>	
631	547	866	<del>681</del>	
641	535	835	<del>655</del>	
635	535	875	<del>697</del>	
624	569	912	<del>711</del>	
613	594	970	<del>830</del>	



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m.m. - RH 3075 - June 29, 1932.

trip	Star	y	X	Slit	Slit	ce	alk	Volts
	1s	2023	753	895	—	1732	769	5.30
	1	2252	1138	1162	—	1721	772	
	2	—	—	1218	—	1710	781	
	3	—	—	1352	—	1722	782	
	4	—	—	1272	—	1729	779	
	5	—	—	1389	—	1732	788	
	6	—	—	1529	—	1751	788	
	7	—	—	1540	—	1753	792	
	8	—	—	1659	—	1764	790	
13.6	✓ 1	1375	652	1549	1540	1742	800	
	✓ 2	1375	890	1612	scratch on image	1732	798	
14.0	✓ 3	1400	570	1528	1508	1735	803	
	✓ 4	1417	578	1485	1488	1728	802	
	✓ 5	1410	828	1653	1665	1726	798	
14.2	✓ 6	1430	537	1680	1678	1734	800	
14.6	✓ 7	1478	670	1608	1623	1711	809	
	✓ 8	1469	832	1596	1609	1708	804	
14.8	✓ 9	1496	625	1662	1687	1728	808	
	✓ 10	1498	710	1460	1435	1732	810	
	✓ 11	1495	1129	1569	1600	1738	812	
15.0	✓ 12	1508	1009	1682	1662	1732	814	
15.2	✓ 13	1528	440	1662	1571	1710	812	
15.4	✓ 14	1550	773	1527	1522	1722	818	
	✓ 15	1544	778	1630	1628	1712	814	
15.6	✓ 16	1575	581	1662	1660	1718	812	
15.8	✓ 17	1584	869	1582	1572	1715	812	
16.0	✓ 18	1600	418	1622	1653	1711	814	
	✓ 19	1615	1041	1638	1622	1718	812	
	✓ 20	1608	1043	1668	1670	1712	818	
	x 21	1600	1052	1672	1642	1732	810	



Cl.-Dk.	Mean Degr.-Dk.	Red. Degr.	Magn.	Remarks
963	126	131	—	
949	390	411	—	
929	437	471	—	
940	570	607	—	
950	493	529	—	
944	601	637	—	
963	741	770	—	
961	748	778	—	
974	869	893	—	
942	744	790	738 ✓	
934	814	872	812 ✓	
932	715	768	715 ✓	
926	684	738	696 ✓	
928	861	928	811 ✓	
934	879	941	off curve ✓	
902	807	895	830	
904	798	883	821 ✓	
920	866	942	off curve ✓	
922	638	692	661 ✓	
926	772	833	775 ✓	
918	858	935	off curve ✓	
898	754	840	780 ✓	
904	706	782	731 ✓	
898	815	918	852 ✓	
906	849	936	off curve ✓	
903	765	848	786 ✓	
897	824	919	852 ✓	
906	818	904	841 ✓	
894	851	853	792 ✓	
922	849	920	off curve *	



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m.m. - R.H. 3075 - June 29, 1932

Strip	Star	y	z	Defl.	Defl.	cl.	dk.	rech.
	✓ 22	1614	1191	1540	1538	1758	812	
16.2	✓ 23	1635	782	1589	1610	1701	815	
16.4	✓ 24	1645	1018	1520	1488	1702	812	
	✓ 25	1651	1084	1688	1692	1732	815	
	✓ 26	1659	572	1308	1309	1709	815	
	✓ 27	1655	1017	1482	1501	1710	812	
16.6	✓ 28	1659	572	1310	1262	1708	818	
	✓ 29	1665	729	1539	1540	1708	819	
	✓ 30	1670	1090	1659	1652	1718	815	
16.8	✓ 31	1696	758	1508	1512	1728	812	
17.0	✓ 32	1712	762	1489	1543	1703	816	
	✓ 33	1712	1239	1406	1369	1755	818	
	✓ 34	1712	1338	1568	1545	1758	816	
17.4	✓ 35	1744	641	1629	1619	1739	819	
17.4	✓ 36	1747	840	1552	1572	1736	822	
18.0	✓ 37	1811	528	1182	1149	1742	818	
	✓ 38	1809	1216	1682	1668	1777	823	
18.2	✓ 39	1830	840	1502	1482	1748	823	
	✓ 40	1830	996	1658	1656	1752	821	
	✓ 41	1820	1137	1682	1662	1759	823	
18.4	✓ 42	1854	658	1406	1381	1743	820	
18.6	✓ 43	1873	1115	1619	1642	1707	822	
18.8	✓ 44	1890	350	1567	1523	1742	820	
	✓ 45	1899	482	1582	1577	1732	819	
	✓ 46	1883	1653	1628	1632	1738	822	
19.0	✓ 47	1905	243	1688	1643	1713	818	
	✓ 48	1899	690	1013	983	1722	821	
19.2	✓ 49	1920	591	1457	1413	1742	819	
19.4	✓ 50	1900	1154	1312	1311	1757	822	
19.6	✓ 51	1970	904	1590	1557	1728	817	



Cl.-Dr.	<sup>Mean</sup> Degl.-Dr.	Red.-Degl.	Mag.	Remarks
946	727	769	718 ✓	
886	725	886	822 ✓	
890	692	778	728 ✓	
917	875	944	off curve ✓	
894	493	552	552 ✓	
898	680	766	716 ✓	
890	462	515	527 ✓	
889	721	812	756 ✓	
903	841	933	off curve ✓	
916	698	762	712 ✓	
887	700	789	736 ✓	
937	570	618	605 ✓	
942	740	786	732 ✓	
920	805	875	813 ✓	
914	740	809	751 ✓	
924	348	375	426 ✓	
954	852	894	830 ✓	
925	669	723	682 ✓	
931	836	898	831 ✓	
936	849	906	841 ✓	
918	569	620	608 ✓	
935	808	865	802 ✓	
922	725	786	733 ✓	
913	761	835	777 ✓	
916	808	882	821 ✓	
955	862	893	830 ✓	
901	177	196	306 ✓	
923	616	669	692 ✓	
935	490	524	533 ✓	
911	757	831	772 ✓	



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2 JP-RH 3075 - June 29, 1932

Step	Star	$\gamma$	$\Delta$	Diff	Diff	Ce	dh	Volts
	✓ 52	1965	1218	1082	1568	1768	818	
	53	1972	888	1609	1600	1732	821	
	✓ 54	1970	904	1609	1082	1736	823	
	✓ 55	1966	1219	1089	1549	1771	823	
19.8	✓ 56	1978	1147	842	848	1647	822	
	✓ 57	1978	1263	1672	1652	1780	818	
	✓ 58	1986	1379	1318	1319	1757	817	
20.2	✓ 59	2028	1260	1603	1068	1767	822	
20.4	✓ 60	2043	391	1287	1212	1747	813	
	✓ 61	2040	1130	1077	1043	1752	813	
20.6	✓ 62	2060	1162	1423	1423	1761	818	
20.8	✓ 63	2080	977	1661	1663	1741	812	
	✓ 64	2090	1011	1043	1573	1739	813	
	10	2023	753	928	—	1742	810	
	1	2252	1038	1194	—	1711	811	
	2	—	—	1269	—	1703	812	
	3	—	—	1320	—	1732	821	
	4	—	—	1354	—	1713	813	
	5	—	—	1428	—	1732	813	
	6	—	—	1532	—	1732	813	
	7	—	—	1552	—	1728	810	
	8	—	—	1653	—	1740	811	520



$\alpha$ -Dr.	Mean Defl.-Dr.	Red. Defl.	Magn.	Remarks
950	757	797	741 ✓	
911	783	858	798 ✓	
913	773	847	787 ✓	
948	746	787	732 ✓	
825	23	028	off curve (too bright) * (double star)	
970	852	899	817 ✓	
940	501	533	541 ✓	
945	764	797	741 ✓	
934	437	469	568 ✓	
939	717	764	714 ✓	
943	605	643	624 ✓	
929	850	915	850 ✓	
926	715	773	721 ✓	
932	118	126	<del>657</del> ✓	
900	383	426	<del>463</del>	
891	447	502	<del>520</del>	
911	499	548	<del>550</del>	
900	541	602		
919	615	670		
919	719	783		
918	742	809		
929	842	909		



P.D.R. - R.H. 3075 - June 30, 1932

Thrup	Star	y	x	Defl.	Defl.	Cl.	10k.	Volts
	15	2021	755	896	—	1737	756	5.23
	1	2257	1038	1137	—	1735	759	
	2	—	—	1212	—	1702	762	
	3	—	—	1299	—	1733	766	
	4	—	—	1283	—	1740	762	
	5	—	—	1402	—	1736	763	
	6	—	—	1496	—	1741	766	
	7	—	—	1516	—	1740	772	
	8	—	—	1627	—	1763	773	
20.8 (cont.)	✓ 65	2089	439	1628	1634	1738	776	
21.0	✓ 66	2101	688	1589	1591	1745	782	
	✓ 67	2105	1068	1495	1511	1763	781	
	✓ 68	2111	264	1623	1632	1764	782	
	✓ 69	2110	1354	1537	1524	1763	785	
21.2	✓ 70	2122	274	1630	1631	1749	783	
	✓ 71	2124	857	1571 <sup>scratched</sup>	1606	1725	786	
	✓ 72	2130	745	1562	1558	1729	783	
21.4	✓ 73	2159	600	1536	1528	1736	784	
	✓ 74	2154	983	1556	1532	1733	786	
21.6	✓ 75	2160	587	1302	1272	1722	786	
	✓ 76	2160	602	1486	1473	1724	787	
	✓ 77	2161	1152	1540	1542	1760	778	
	✓ 78	2170	904	1582	1587	1714	791	
	✓ 79	2169	1199	1578	1569	1769	790	
21.8	✓ 80	2186	850	1563	1556	1710	788	
	✓ 81	2199	779	1275	1258	1716	790	
	15	2021	754	911	—	1732	791	
	1	2252	1038	1091	—	1725	793	
	2	—	—	1232	—	1695	793	
	3	—	—	1310	—	1727	796	
	4	—	—	1323	—	1739	797	
	5	—	—	1410	—	1731	797	
	6	—	—	1520	—	1735	798	
	7	—	—	1510	—	1733	799	
	8	—	—	1614	—	1740	802	

Rate directly variable over very short distances - Cl. readings vary 10 or 20 mm. much of time.



ce- <del>st</del>	<sup>mean</sup> Defl. <del>st</del>	Red. Defl.	Magn.	Remarks
981	170	143	—	
976	378	487	—	
940	450	479	—	
967	533	551	—	
978	521	533	—	
973	639	657	—	
975	730	749	—	
968	744	768	—	
990	857	862	—	
962	853	889	830 ✓	<u>Ave. Defl.</u> 1631
963	808	840	787 ✓	1590
982	722	735	705 ✓	1503
982	846	862	809 ✓	1627
978	745	745	712 ✓	1530
966	847	771	736 ✓	1630
939	806	859	801 ✓	1606
946	777	822	772 ✓	1560
952	748	785	746 ✓	1532
947	758	800	754 ✓	1544
936	501	535	568 ✓	1287
937	693	739	709 ✓	1479
982	763	784	746 ✓	1541
923	793	859	801 ✓	1584
979	784	801	840 ✓	1573
922	772	837	782 ✓	1559
926	476	514	505 ✓	1266
941	120	127		
932	298	320		
902	439	489		
931	514	561		
942	526	559		
934	613	656		
937	722	770		
934	711	762		
938	816	891		



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m.m. - RH 3075 - June 30, 1932.

Strip	Star	y	x	Defl	Defl	Q	Dk	volt.
	1s	2023	755	900	—	1689	748	5.18
	1	2252	1038	1121	—	1667	751	
	2	—	—	1301	—	1672	756	
	3	—	—	1339	—	1691	758	
	4	—	—	1332	—	1688	761	
	5	—	—	1401	—	1705	782	
	6	—	—	1509	—	1722	762	
	7	—	—	1569	—	1710	769	
	8	—	—	1625	—	1728	770	
22.0	✓ 82	2201	779	1295	1230	1704	773	
	83	2206	1046	1656	1662	1719	780	
22.2	x 84	2230	557	1625	1621	1701	778	
	✓ 85	2224	829	1511	1506	1702	773	
	✓ 86	2220	1119	1363	1399	1737	783	
22.4	✓ 87	2243	941	1606	1605	1738	784	
22.6	✓ 88	2212	879	1390	1419	1697	788	
	✓ 89	2264	1076	1573	1576	1712	792	
22.8	✓ 90	2281	342	1519	1518	1737	792	
	✓ 91	2278	407	1329	1322	1712	789	
	✓ 92	2295	464	1457	1442	1698	792	
	✓ 93	2277	528	1603	1615	1711	791	
	✓ 94	2292	1047	1618	1629	1713	792	
23.0	✓ 95	2297	928	1640	1637	1712	798	
23.4	✓ 96	2351	441	1651	1643	1713	793	
23.8	✓ 97	2388	1123	1433	1412	1742	795	
24.4	✓ 98	2441	982	1532	1526	1723	793	
	✓ 99	2439	798	1566	1572	1706	803	
24.6	✓ 100	2472	787	1562	1562	1710	798	
	✓ 101	2462	868	1594	1584	1692	802	
24.6	102	2475	628	1602	1592	1700	803	



Cl. - Dk.	Mean Dg. - Dk.	Red. Dg.	Magn.	Remarks
941	152	162	—	
916	370	404	—	
916	545	595	—	
933	581	624	—	
927	571	616	—	
943	639	677	—	
960	747	779	—	
941	800	850	—	
958	853	898	—	
931	489	525	527 ✓	
939	879	936	off curve	
923	845	916	850 X	
929	735	792	720 ✓	
954	598	627	602 ✓	
954	822	862	789 ✓	
909	616	678	642	
920	772	850	772 ✓	
945	726	769	701 ✓	
923	537	583	572 ✓	
906	657	726	671 ✓	
920	818	889	818 ✓	
921	832	904	832 ✓	
914	840	919	851 ✓	
920	854	929	off curve	
947	629	664	634 ✓	
930	736	792	720 ✓	
903	763	834	759 ✓	
912	764	837	759 ✓	
890	787	884	812 ✓	
897	794	884	811 ✓	



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2LP - RH 3075 - June 30, 1932.

Star	$\gamma$	$\delta$	Diff	Diff	Ce	Sk	Volts
25.0 ✓ 103	2505	641	1573	1577	1697	803	
✓ 104	2500	708	1613	1629	1710	802	
10	2023	755	960	—	1713	802	
1	2252	1038	1187	—	1703	801	
2	—	—	1240	—	1693	802	
3	—	—	1328	—	1693	803	
4	—	—	1323	—	1718	811	
5	—	—	1430	—	1722	809	
6	—	—	1531	—	1727	805	
7	—	—	1544	—	1717	803	
8	—	—	1602	—	1735	808	510



Cl. DR.	<del>Mean</del> Dig. DR.	Red. Digl.	Mag.	Remarks
894	772	865	790 ✓	
908	819	902	832 ✓	
911	158	175	—	
902	386	428	—	
891	438	492	—	
890	525	590	—	
907	512	564	—	
913	621	682	—	
922	726	788	—	
914	741	811	—	
927	794	856	—	



28P-RH 3076 June 30, 1932.

Strip	Star	y	X	Defl	Defl	cc	rk	Notes
	10	2020	733	1026	-	1708	802	515
	1	2240	1025	1287	-	1704	807	
	2	-	-	1322	-	1708	808	
	3	-	-	1432	-	1728	805	
	4	-	-	1408	-	1717	812	
	5	-	-	1477	-	1713	804	
	6	-	-	1582	-	1731	806	
	7	-	-	1550	-	1708	808	
	8	-	-	1638	-	1722	807	
14.6	✓ 1	1470	630	1613	1617	1708	813	
	✓ 2	1460	792	1603	1611	1692	818	
14.8	✓ 3	1490	671	1503	1482	1690	818	
	✓ 4	1488	1088	1600	1592	1693	813	
15.2	✓ 5	1520	399	1578	1563	1687	821	
15.4	✓ 6	1547	732	1572	1564	1683	813	
	✓ 7	1539	737	1622	1628	1693	819	
15.8	✓ 8	1577	829	1597	1597	1702	812	
	x 9	1580	1270	1571	1602	1714	816	
16.0	✓ 10	1609	1000	1632	1639	1701	817	
	✓ 11	1608	1150	1558	1564	1713	813	
16.2	✓ 12	1630	742	1628	1642	1695	822	
	✓ 13	1638	977	1542	1547	1707	809	
16.4	✓ 14	1651	532	1388	1412	1698	817	
16.6	✓ 15	1660	689	1603	1573	1702	822	
16.8	✓ 16	1690	717	1592	1579	1692	818	
17.0	✓ 17	1708	722	1584	1594	1714	819	
	✓ 18	1704	1199	1438	1458	1728	817	
	✓ 19	1704	1297	1570	1567	1727	812	515
17.2	x 20	1718	1352	1682	1692	1740	816	
17.4	✓ 21	1738	600	1622	1649	1712	818	



Cl.-Dr.	Mean Depl.-Dr.	Red. Depl.	Mean	Remarks
906	224	247	—	
897	480	535	—	
900	574	572	—	
923	627	680	—	
905	596	659	—	
909	673	740	—	
925	776	839	—	
900	742	826	—	
915	831	909	—	
895	802	897	818 ✓	
874	789	904	830 ✓	
872	674	773	672 ✓	
880	783	889	807 ✓	
866	749	865	779 ✓	
870	753	868	780 ✓	
884	806	912	841 ✓	
890	785	882	800 ✓	
898	770	857	768	(outside circle of 8075)
884	819	927	off curve	
900	748	832	740 ✓	
873	813	931	off curve	
898	735	818	719 ✓	
881	583	661	580 ✓	
880	766	871	789 ✓	
874	768	870	799 ✓	
895	770	861	773 ✓	
911	631	692	603 ✓	
915	756	822	729 ✓	
924	871	943	off curve	(outside circle of 8075)
894	818	915	850 ✓	



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m. m. - R H 3076 - June 30, 1932.

Strip	Star	y	x	Defl.	Defl.	Cl.	Dk.	volt
	✓ 22	1739	800	1589	1638	1712	812	
	x 23	1759	907	1618	1640	1722	818	
18.0	✓ 24	1804	488	1268	1312	1712	821	
18.2	✓ 25	1823	800	1568	1573	1736	820	
18.4	✓ 26	1848	618	1490	1503	1722	817	
18.6	✓ 27	1877	712	1675	1662	1739	821	
	✓ 28	1864	1074	1662	1685	1740	819	
18.8	✓ 29	1882	310	1580	1582	1732	812	
	✓ 30	1889	442	1629	1653	1741	817	
	✓ 31	1892	650	1662	1114	1737	815	
19.0	✓ 32	1910	551	1506	1558	1726	818	
19.4	✓ 33	1941	1113	1410	1425	1724	824	
	✓ 34	1955	1179	1582	1591	1731	825	
19.6	✓ 35	1966	349	1621	1647	1755	819	
	✓ 36	1960	865	1615	1636	1742	822	
	x 37	1969	1106	855	849	1733	819	
	✓ 38	1958	1223	1666	1672	1738	822	
	✓ 39	1975	1338	1363	1359	1745	817	
20.2	✓ 40	2036	350	1365	<i>image in contact with another star</i>	1752	820	
	✓ 41	2030	1090	1562	1558	1732	818	
	✓ 42	2018	1219	1646	1590	1739	822	
20.4	✓ 43	2051	1122	1510	1484	1743	824	
20.6	✓ 44	2079	971	1577	1590	1723	821	
20.8	✓ 45	2096	650	1663	1672	1758	822	
	46	2098	1029	1570	1574	1757	821	
	13	2020	733	1032	—	1728	818	
	1	2240	1025	1225	—	1738	822	
	2	—	—	1421	—	1701	823	
	3	—	—	1461	—	1740	826	
	4	—	—	1441	—	1738	822	



Q-Dr.	Mean Dagb-Dr.	Red. Jgl.	Mean	Remarks
900	802	893	812 ✓	
904	811	898	819 ✓	
891	469	527	496 ✓	
916	750	819	718 ✓	
905	679	750	650 ✓	
918	847	923	off curve ✓	
921	855	928	off curve ✓	
926	769	837	740 ✓	
924	824	892	812 ✓	
922	273	296	315 ✓	
908	714	789	688 ✓	
900	594	660	579 ✓	
906	761	840	738 ✓	
936	815	871	788 ✓	
930	804	874	789 ✓	
914	33	136	off curve (too bright) x	
916	847	935	off curve ✓	
928	544	587	530 ✓	
932	545	585	529 ✓	
914	742	813	715 ✓	
917	796	868	780 ✓	
919	873	942	635 ✓	
902	763	846	741 ✓	
938	846	904	830 ✓	
936	751	803	702 ✓	
910	214	235	255	
916	403	440	—	
878	598	681	—	
914	635	695	—	
916	619	677	—	



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m.m. - R H 3076 - June 30, 1932.

Strip	Star	y	x	Defl.	Defl.	Cl.	Dk.	net.
	5	—	—	1508	—	1738	818	
	6	—	—	1584	—	1732	823	
	7	—	—	1539	—	1712	818	
	8	—	—	1656	—	1742	823	5.10

P.S.R. - R.H. 3076 - July 1, 1932

	15	2021	756	966	—	1682	743	5.06
	1	2240	1047	1202	—	1677	745	
	2	—	—	1318	—	1680	747	
	3	—	—	1387	—	1698	752	
	4	—	—	1348	—	1703	752	
	5	—	—	1440	—	1713	755	
	6	—	—	1544	—	1702	756	
	7	—	—	1535	—	1693	759	
	8	—	—	1623	—	1718	759	
21.0	✓ 47	2101	1336	1547	1549	1730	765	
	✗ 48	2117	840	1639	1647	1727	765	
21.2	✗ 49	2121	768	1597	1615	1722	766	
21.4	✓ 50	2146	966	1569	1592	1710	767	
	✓ 51	2152	570	1398	1418	1706	771	
	✓ 52	2150	584	1597	1601	1727	773	
	✓ 53	2152	585	1559	1542	1722	777	
	✓ 54	2153	1135	1572	1570	1732	773	
21.6	✓ 55	2163	888	1620	1632	1720	780	
	✓ 56	2160	1182	1572	1587	1722	777	
	✓ 57	2178	832	1610	1611	1708	780	
	✗ 58	2176	1185	1659	1650	1720	784	
	✗ 59	2170	1320	1627	1619	1732	782	
21.8	✓ 60	2190	761	1333	1341	1698	776	
	✓ 61	2198	1028	1634	1627	1688	777	
22.0	✓ 62	2216	813	1563	1561	1703	780	5.06

Never  
Background  
Intensity



Cl.-Dr.	Mean Def.-Dr.	Red. Def.	Magn.	Remarks
920	690	750	—	
909	761	839	—	
894	721	808	—	
919	833	908	—	
939	223	238	—	
932	457	491	—	
933	571	614	—	
946	635	691	—	
951	596	627	—	
958	685	715	—	
946	728	834	—	
934	776	832	—	
959	864	902	—	
965	783	813	730 ✓	1548
962	828	912	848 ✓	1643
956	840	898	800 ×	1606
943	813	863	782 ✓	1580
935	637	682	610 ✓	1408
954	826	856	772 ✓	1599
945	793	818	732 ✓	1550
959	798	833	752 ✓	1571
940	846	900	830 ✓	1626
945	810	857	774 ✓	1579
928	830	894	821 ✓	1610
936	870	929	off curve ×	1654
950	841	886	810 ×	1623
922	561	609	542 ✓	1337
911	803	936	off curve ✓	1630
923	782	848	762 ✓	1562



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P.S.R. - R.H. 3076 - July 1, 1932

Thrup	Star	y	x	L <sub>ph</sub>	L <sub>ph</sub>	Q	L <sub>ph</sub>	Notes
22.0 (cont)	✓ 63	2211	1102	1397	1390	1707	776	5.06
22.2	x 64	2223	440	1633	1643	1693	777	
	x 65	2222	854	1638	1643	1697	777	
	✓ 66	2234	922	1578	1597	1690	777	
22.4	✓ 67	2257	1058	1567	1567	1684	780	
	x 68	2252	1286	1646	1656	1713	777	
22.6	✓ 69	2269	389	1430	1428	1677	779	
	✓ 70	2269	511	1612	1617	1692	779	
	✓ 71	2264	862	1457	1442	1693	774	
22.8	✓ 72	2287	448	1498	1518	1685	777	
	✓ 73	2287	912	1612	1617	1692	777	
23.4	x 74	2344	425	1618	1624	1689	773	
	x 75	2348	924	1602	1590	1680	774	
23.6	x 76	2360	739	1620	1600	1682	773	
	✓ 77	2378	1108	1396	1402	1678	774	
24.2	✓ 78	2430	781	1548	1548	1671	775	
	✓ 79	2432	965	1503	1513	1670	779	
24.4	✓ 80	2453	852	1592	1586	1668	779	
24.6	✓ 81	2468	610	1582	1600	1682	780	
	✓ 82	2465	770	1572	1590	1686	779	
	x 83	2478	1078	1504	1513	1676	780	
24.8	✓ 84	2498	625	1579	1584	1671	778	
25.0	x 85	2505	1009	1200	1217	1671	772	
	15	2021	755	977	—	1682	777	
	1	2240	1146	1199	—	1666	775	
	2	—	—	1298	—	1669	777	
	3	—	—	1390	—	1674	779	
	4	—	—	1349	—	1676	773	
	5	—	—	1432	—	1668	773	
	6	—	—	1500	—	1654	772	
	7	—	—	1498	—	1643	783	
	8	—	—	1583	—	1680	776	5.02

Plate  
finished



Cl. <del>22</del>	<sup>mean</sup> Diff. <del>22</del>	Rel. Diff.	Magn.	Remarks	<u>ave. diff.</u>
931	618	663	591 ✓		1393
916	861	940	off curve <sup>x</sup>		1638
920	863	932	off curve <sup>x</sup>		1640
913	811	889	812 ✓		1587
904	787	872	797 ✓		1567
936	874	934	off curve <sup>x</sup>		1651
898	650	724	645 ✓		1429
913	835	915	850 ✓		1614
919	676	732	653 ✓		1449
908	731	805	720 ✓		1508
915	832	915	850 ✓		1614
916	848	925	off curve <sup>x</sup>		1621
906	822	908	839 <sup>x</sup>		1596
909	837	921	off curve <sup>x</sup>		1610
904	625	692	618 ✓		1399
896	773	862	783 ✓		1548
891	729	818	731 ✓		1508
889	810	911	846 ✓		1589
902	811	899	825 ✓		1591
907	802	884	810 ✓		1581
896	728	812	730 (outside circle of 3075)		1508
893	804	901	832 ✓		1581
899	436	436	400 (outside circle)		1208
905	200	221	250		
891	424	477	480		
892	521	585	525		
895	611	684	611		
903	576	639	569		
895	659	737	655		
882	827	939	off curve		
860	215	331	150		
904	807	893	820		



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m.m. - RH 3160 - July 2, 1932

Stuf	Star	u	x	Defl	Defl	Cl.	Dr.	wolf
	1s	2007	742	958	—	2142	728	5.20
	1	2253	1010	1268	—	2169	731	
	2	—	—	1363	—	2115	730	
	3	—	—	1529	—	2138	733	
	4	—	—	1531	—	2182	738	
	5	—	—	1659	—	2133	738	
	6	—	—	1875	—	2155	741	
	7	—	—	2014	—	2188	749	
	8	—	—	2091	—	2162	752	
13.6	✓ 1	1376	653	2082	2061	2171	753	
14.0	✓ 2	1418	579	1998	1971	2182	752	
15.0	✓ 3	1499	712	1888	1878	2168	763	
15.2	✓ 4	1530	441	2078	2082	2190	771	
15.4	✓ 5	1552	773 823	1992	1978	2172	772	
15.8	✓ 6	1581	872	2058	2062	2172	779	
16.0	✓ 7	1610	1196	2059	2100	2231	782	
16.4	✓ 8	1659	578	1650	1624	2192	786	
16.6	✓ 9	1668	732	2080	2059	2188	788	
16.8	✓ 10	1696	761	2000	2023	2192	792	
17.0	✓ 11	1713	768	2032	2008	2191	789	
	✓ 12	1708	1243	1732	1710	2242	791	
17.4	✓ 13	1745	845	2051	2059	2188	788	
18.0	✓ 14	1812	532	1400	1402	2185	797	
18.4	✓ 15	1856	663	1668	1689	2168	792	
18.8	✓ 16	1898	695	1028	1018	2171	803	
19.0	✓ 17	1918	598	1854	1850	2182	802	
19.2	✓ 18	1921	598	1861	1837	2178	800	
19.4	✓ 19	1945	1160	1602	1658	2225	802	
19.6	✓ 20	1973	1152	849	842	2210	800	
	✓ 21	1960	1222	2048	2089	2232	802	



Cr-Dr.	<sup>Mean</sup> Deg. - Dr.	Red. Deg.	Magn.	Remarks
1414	230	165		
1438	537	374		
1385	633	457		
1405	796	567		
1444	793	558		
1395	921	661		
1414	1134	803		
1439	1265	878		
1410	1339	949		
1418	1319	930	809 ✓	
1430	1232	863	761 ✓	
1405	1120	797	718 ✓	
1419	1309	923	805 ✓	
1400	1213	862	762 ✓	
1393	1281	921	803 ✓	
1449	1298	896	782 ✓	
1406	857	607	609 ✓	
1400	1292	924	806 ✓	
1400	1220	872	770 ✓	
1402	1231	879	770 ✓	
1451	930	640	630 ✓	
1400	1267	904	791 ✓	
1388	604	435	480 ✓	
1376	876	644	633 ✓ 265	
1368	220	161	119 ✓	
1386	1050	762	700 ✓	
1378	1049	762	702 ✓	
1423	828	581	592 ✓	
1410	46	032	off curve x	
1430	1266	881	772 ✓	



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m. m. - RH 3160 - July 2, 1932.

Stump	Star	y	x	Defl	Defl.	Cl.	Dist.	volt.
19.8	✓ 22	1980	1382	1430	1479	2268	804	
20.2	✓ 23	2033	1138	2030	2010	2232	808	
20.4	✓ 24	2048	408	1438	1392	2180	806	
.	✓ 25	2056	1169	1748	1795	2239	808	
20.8	✓ 26	2085	1019	2081	2092	2224	797	
21.0	✓ 27	2102	1073	2021	2019	2238	808	
	18	2009	742	1000	—	2192	808	
	1	2255	1010	1352	—	2120	808	
	2	—	—	1488	—	2175	810	
	3	—	—	1542	—	2184	812	
	4	—	—	1558	—	2212	810	
	5	—	—	1623	—	2171	812	
	6	—	—	1888	—	2179	816	
	7	—	—	2012	—	2183	808	
	8	—	—	2098	—	2171	810	518

XJP - RH 3160 - July 2, 1932

19	2007	768	1022	1	2120	752	510
1	2255	1037	1283	-	2173	751	
2	-	-	1363	-	2132	758	
3	-	-	1430	-	2148	763	
4	-	-	1502	-	2182	767	
5	-	-	1736	-	2140	766	
6	-	-	1877	-	2152	773	
7	-	-	1902	-	2157	768	
8	-	-	2068	-	2130	769	
21.6	✓ 28	2160	622	1573	1572	2162	781
	✓ 29	2160	637	1929	1952	2142	777
	✓ 30	2160	1177	2023	2069	2222	780
	✓ 31	2166	1233	2079	2103	2230	782
22.0	✓ 32	2200	813	1342	1388	2190	784



Q-Drk	Mean Depth-Drk	Red. Drk	Magn.	Remarks
1464	650	444	486 ✓	
1424	1212	853	752 ✓	
1374	659	480	518 ✓	
1431	964	672	651 ✓	
1427	1289	904	790 ✓	
1430	1212	848	750 ✓	
1384	192	139	—	
1312	544	414	—	
1365	678	497	—	
1372	730	532	—	
1402	748	533	—	
1359	811	598	—	
1363	1092	788	—	
1375	1204	877	—	
1361	1288	946	—	
1368	270	197	—	
1422	532	372	—	
1374	605	440	—	
1385	667	482	—	
1415	735	520	—	
1374	970	706	—	
1379	1104	803	—	
1389	1142	822	—	
1361	1299	954	—	
1381	812	586	610 ✓	
1365	1152	846	740 ✓	
1442	1243	864	753 ✓	
1448	1297	872	760 ✓	
1406	558	399	490 ✓	



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2JP-RH 3160- July 2, 1932.

Strip	Star	y	X	Slit	Slit	Ce	Wk	Notes
22.2	✓ 33	2223	864	1992	2012	2188	787	
	✓ 34	2227	1153	1562	1576	2212	788	
22.6	✓ 35	2240	914	1764	1782	2186	788	
22.8	✓ 36	2284	378	2019	1999	2149	786	
	✓ 37	2279	441	1737	1749	2142	794	
	✓ 38	2297	500	1937	1908	2117	792	
23.8	✓ 39	2381	1159	1752	1852	2219	799	
24.4	✓ 40	2440	1017	2033	2050	2204	812	
	10	2007	468	953	—	1982	803	520
	1	2255	1037	1283	—	2210	799	
	2	—	—	1403	—	2162	792	
	3	—	—	1522	—	2157	794	
	4	—	—	1549	—	2196	800	
	5	—	—	1654	—	2153	802	
	6	—	—	1863	—	2158	809	
	7	—	—	1982	—	2107	806	
	8	—	—	2103	—	2148	802	

Plates  
Lunched



$\alpha$ -Dk.	Mean Dekl.-Dk.	Red. Dekl.	Magn.	Remarks
1401	1215	867	755 ✓	
1424	781	548	591 ✓	
1398	985	705	663 ✓	
1363	1223	897	774 ✓	
1348	949	704	663 ✓	
1325	1130	853	746 ✓	
1420	1003	707	663 ✓	
1392	1230	783	706 ✓	
1179	150	127	—	
1411	484	341	—	
1370	611	446	—	
1363	728	564	—	
1396	749	537	—	
1351	852	630	—	
1349	1054	783	—	
1345	1176	875	—	
1346	1301	968	—	



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288P- R4 3060 - July 5, 1932.

Strip	Star	y	X	Diff	Diff	cc	Wk	Volts
	10	2040	764	878	—	1567	742	505
	1	2214	1086	1237	—	1622	748	
	2	—	—	1311	—	1640	744	
	3	—	—	1252	—	1593	741	
	4	—	—	1404	—	1652	743	
	5	—	—	1415	—	1587	752	
	6	—	—	1462	—	1600	753	
	7	—	—	1488	—	1606	752	
	8	—	—	1538	—	1608	752	
14.0	✓1	1400	693	1458	1470	1563	754	
14.4	✓2	1440	819	1400	1378	1568	753	
14.6	✓3	1459	831	1179	1168	1552	757	
14.8	✓4	1490	644	1492	1458	1577	753	
15.4	✓5	1500	864	1458	1438	1583	763	
15.6	✓6	1543	425	1486	1465	1552	758	
15.8	✓7	1590	940	1474	1463	1598	772	
	✓8	1590	1092	1470	1461	1620	772	
	✓9	1578	1138	1517	1498	1606	766	
	✓10	1585	1200	1550	1543	1617	767	
16.0	✓11	1610	1134	1503	1489	1607	772	
16.4	✓12	1642	1102	1468	1462	1608	773	
16.8	✓13	1681	548	1509	1492	1583	773	
	✓14	1680	1304	1542	1522	1658	772	
17.0	✓15	1701	361	1329	1312	1572	775	
	✓16	1698	458	1442	1443	1572	773	
	✓17	1709	543	1527	1512	1573	776	
	✓18	1708	822	1210	1207	1562	782	
	✓19	1709	1186	1442	1428	1627	775	
17.2	✓20	1720	643	1536	1528	1584	773	
17.4	✓21	1741	937	1549	1551	1607	790	



Cl.-Sk.	Mean Defl.-Sk.	Red. Defl.	Magn.	Remarks
825	136	165	—	
874	489	559	—	
916	567	696	—	
852	611	718	—	
909	661	839	—	
835	663	794	—	
867	709	818	—	
854	736	862	—	
856	786	918	—	
809	704	871	757 ✓	
815	647	794	663 ✓	
795	422	532	433 ✓	
824	739	897	788 ✓	
820	695	848	728 ✓	
794	728	919	915 ✓	
826	702	850	728 ✓	
848	698	824	700 ✓	
840	737	894	790 ✓	
850	779	917	805 ✓	
835	724	868	750 ✓	
835	692	830	706 ✓	
810	727	897	790 ✓	
886	760	858	738 ✓	
797	545	684	555 ✓	
799	669	838	710 ✓	
797	744	934	840 ✓	
780	426	546	442 ✓	
852	660	775	643 ✓	
811	760	937	840 ✓	
817	760	930	832 ✓	



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348P-RW 3060- July 5, 1932.

Strip	Star	$\gamma$	$\chi$	Left	Right	ce	sk	Notes
17.6	✓ <sub>22</sub>	1758	921	1372	1339	1601	778	
	✓ <sub>23</sub>	1771	1169	1566	1558	1618	776	
18.0	✓ <sub>24</sub>	1795	1223	1582	1572	1652	782	
18.2	✓ <sub>25</sub>	1820	623	1503	1477	1668	777	
	✓ <sub>26</sub>	1828	1137	1590	1571	1626	783	
18.6	✓ <sub>27</sub>	1870	1000	1562	1548	1627	782	
	✓ <sub>28</sub>	1858	1313	1582	1568	1657	779	
18.8	✓ <sub>29</sub>	1880	769	1462	1428	1597	783	
19.0	✓ <sub>30</sub>	1895	899	1548	1532	1609	788	
	✓ <sub>31</sub>	1903	1413	1420	1425	1679	779	510
	10	2040	764	1033	—	1562	788	
	1	2214	1086	1266	—	1633	788	
	2	—	—	1322	—	1663	783	
	3	—	—	1372	—	1621	781	
	4	—	—	1418	—	1640	779	
	5	—	—	1422	—	1583	783	
	6	—	—	1479	—	1608	783	
	7	—	—	1482	—	1602	782	
	8	—	—	1541	—	1597	783	



$\alpha$ -Dk.	<sup>mean</sup> Dek-Dk.	Red. Dek.	Magn.	Remarks
823	578	704	575 ✓	
832	786	945	off curve ✓	
870	795	914	813 ✓	
791	713	902	800 ✓	
843	797	946	854 ✓	
845	773	915	810 ✓	
878	796	907	805 ✓	
814	662	738	604 ✓	
821	752	917	812 ✓	
900	643	715	582 ✓	
774	245	317	—	
845	478	566	—	
880	539	613	—	
840	591	704	—	
861	639	742	—	
800	639	798	—	
825	696	844	—	
820	700	854	—	
814	758	932	—	



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P.S.R. - R.H. 3060 - July 6, 1932

trip	Star	y	x	Defl.	Defl.	CO.	Lk.	Volts
	15	2040	765	976	—	1613	746	5.14
	1	2213	1084	1232	—	1657	749	
	2	—	—	1292	—	1643	749	
	3	—	—	1322	—	1623	750	
	4	—	—	1380	—	1648	753	
	5	—	—	1379	—	1598	756	
	6	—	—	1443	—	1596	756	
	7	—	—	1460	—	1593	757	
	8	—	—	1523	—	1592	758	
19.2	✓32	1920	635	1523	1507	1601	759	
	✓33	1926	638	<sup>Speck on image</sup> 1485	1492	1600	765	
	✓34	1930	923	1414	1400	1599	767	
19.4	✓35	1941	280	1290	1291	1571	765	
	✓36	1948	972	1488	1483	1623	766	
	✓37	1945	1193	1486	1460	1645	768	
	✓38	1955	356	1462	1466	1589	770	
	✓39	1953	1054	1278	1278	1632	773	
	✓40	1958	1099	1420	1396	1645	773	
19.6	✓41	1963	401	1525	1520	1599	770	
	✓42	1965	516	1267	1253	1588	771	
	✓43	1961	706	1543	1533	1596	770	
	✓44	1970	284	845	848	1573	770	
19.8	✓45	1998	1014	1407	1392	1613	772	
20.0	✓46	2007	1006	1583	1553	1622	775	
	✓47	2015	400	1460	1450	1590	775	
	✓48	2019	755	1510	1528	1598	771	
	✓49	2015	959	1534	1536	1600	770	
	15	2040	765	994	—	1605	771	
	1	2213	1085	1212	—	1643	770	
	2	—	—	1282	—	1630	772	5.13



Cl. - Dk.	mean Deg. - Dk.	Red. Deg.	magn.	Remarks
867	230	265	—	
908	483	532	—	
894	543	607	—	
873	572	656	—	
895	627	701	—	
842	623	740	—	
840	677	818	—	
836	703	840	—	
834	765	918	—	
842	756	898	810 ✓	
835	723	866	771 ✓	
832	640	769	672 ✓	
806	625	652	563 ✓	
857	720	840	743 ✓	
877	705	804	707 ✓	
819	694	847	750 ✓	
859	505	588	509 ✓	
870	635	728	631 ✓	
829	752	<del>667</del> 908	579 ✓	
817	489	598	579 ✓	
826	768	931	off curve ✓	
803	76	095	off curve ✓	(too bright)
841	620	747	653 ✓	
847	783	924	850 ✓	
815	680	835	740 ✓	
827	748	904	822 ✓	
830	765	922	843 ✓	
834	223	268	245 ✓	
873	442	507	441 ✓	
858	510	595	518 ✓	



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P.S.R. - R.H. 3060 - July 6, 1932

Star	$\gamma$	$\pi$	Defl.	Defl.	Cl.	Defl.	Volts
3	—	—	1323	—	1600	772	5.13
4	—	—	1364	—	1639	777	
5	—	—	1376	—	1591	776	
6	—	—	1426	—	1598	774	
7	—	—	1456	—	1583	776	
8	—	—	1518	—	1592	778	5.12

N.P. - R.H. 3060 - July 6, 1932

	15	2040	765	910	—	1518	738	5.00
	1	2213	1084	1215	—	1592	742	
	2	—	—	1292	—	1612	739	
	3	—	—	1395	—	1579	742	
	4	—	—	1383	—	1600	742	
	5	—	—	1393	—	1553	739	
	6	—	—	1453	—	1562	748	
	7	—	—	1458	—	1566	746	
	8	—	—	1507	—	1568	744	
20.2	✓50	2037	272	1434	1407	1559	752	
	✓51	2020	756	1489	1510	1567	753	
	✓52	2021	777	1522	1509	1575	756	
	✓53	2028	1100	1530	1578	1609	753	
	✓54	2029	1338	1576	1583	1631	754	
20.4	✓55	2055	305	1394	1367	1572	763	
20.6	✓56	2062	1069	1453	1439	1618	763	
20.8	✓57	2092	499	1462	1454	1577	762	
	✓58	2080	1362	1610	1595	1658	762	
21.0	✓59	2107	573	1549	1540	1573	768	
21.4	✓60	2138	852	1460	1438	1597	772	
	✓61	2152	862	1503	1477	1601	766	
21.6	✓62	2159	302	1482	1498	1583	768	
	✓63	2161	349	1513	1476	1589	768	



Cl.-Dr.	mean Defl.-Dr.	Red. Defl.	Magn.	Remarks
828	551	666	—	
862	587	682	—	
815	600	736	—	
824	652	792	—	
807	680	843	—	
814	740	910	—	
780	232	297	—	
850	473	557	—	
873	553	634	—	
837	593	708	—	
858	641	747	—	
814	654	804	—	
814	705	866	—	
820	712	868	—	
824	763	926	—	
807	668	841	702 ✓	
814	747	919	829 ✓	
819	760	928	849 ✓	
856	771	903	801 ✓	
897	826	911	819 ✓	
809	617	763	619 ✓	
855	683	799	649 ✓	
815	696	855	720 ✓	
896	840	937	off curve ✓	
805	776	964	off curve ✓	
825	677	821	680 ✓	
835	724	867	738 ✓	
815	722	887	770	
821	726	884	768	



LGP-RH3060 - July 6, 1932

trip	Star	y	x	diff	diff	ce	alt	note
	✓64	2161	488	1512	1519	1572	773	
	✓65	2157	988	1527	1520	1608	773	
21.8	✓66	2191	982	1523	1528	1613	773	
	✓67	2180	1175	1394	1389	1638	782	
22.0	✓68	2216	819	1406	1403	1589	774	
22.2	✓69	2230	1254	1498	1491	1652	778	
22.4	✓70	2241	654	1378	1375	1600	778	
23.0	✓71	2313	1018	1498	1472	1652	792	
	✓72	2302	1038	1553	1537	1637	778	
23.2	✓73	2331	731	1477	1467	1618	788	
23.8	✓74	2396	1028	1430	1432	1642	792	
	✓75	2387	1074	1578	1570	1657	787	
24.4	✓76	2439	697	1580	1554	1635	787	
	✓77	2443	749	1492	1484	1652	789	
	✓78	2450	857	1538	1542	1638	792	
	✓79	2437	989	1430	1420	1658	792	
24.6	✓80	2470	1022	1441	1348	1667	785	
24.8	81	2489	729	1566	1522	1648	787	
	12	2040	765	1015	—	1542	784	500
	1	2213	1084	1258	—	1604	792	
	2	—	—	1322	—	1637	792	
	3	—	—	1363	—	1600	792	
	4	—	—	1382	—	1618	800	
	5	—	—	1420	—	1569	792	
	6	—	—	1473	—	1571	789	
	7	—	—	1468	—	1579	792	
	8	—	—	1519	—	1582	792	

Plate  
transcribed



Q.-Dk.	<sup>mean</sup> D <sub>eff</sub> -Dk.	Red. D <sub>eff</sub>	Magn.	Remarks
799	743	930	851✓	
835	751	900	792✓	
840	757	901	793✓	
856	610	713	572✓	
815	630	774	629✓	
874	716	819	670✓	
832	598	718	576✓	
860	673	783	638✓	
859	767	893	781✓	
830	684	825	683✓	
850	639	753	608✓	
870	787	905	806✓	
848	780	920	831✓	
863	699	811	670✓	
846	748	884	770✓	
866	633	731	590✓	
882	659	747	600✓	
861	737	857	720✓	
758	231	306	—	
812	466	574	—	
845	530	627	—	
808	571	656	—	
818	582	712	—	
777	628	809	—	
782	684	862	—	
787	676	859	—	
790	727,	920	—	



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m.m. - RH 3208 - July 7, 1932.

Strip	Star	y	z	Defl.	Defl.	Cl.	Dk.	Volt.
	15	2049	772	998		1922	717	5.40
	1	2219	1097	1188	—	1938	725	
	2	—	—	1318	—	1978	728	
	3	—	—	1558	—	1965	728	
	4	—	—	1412	—	1961	728	
	5	—	—	1642	—	1950	731	
	6	—	—	1708	—	1939	732	
	7	—	—	1737	—	1921	729	
	8	—	—	1880	—	1948	736	
14.0	X 1	1408	942	1815	1809	1887	742	
14.4	✓ 2	1446	829	1542	1553	1887	747	
14.6	✓ 3	1464	839	1154	on image	1885	742	
14.8	✓ 4	1496	653	1758	1749	1902	748	
15.2	X 5	1535	1173	1460	1400	1870	758	
15.4	✓ 6	1536	873	1655	1628	1891	756	
15.8	✓ 7	1579	432	1869	1849	1910	757	
	✓ 8	1595	948	1632	1628	1891	762	
	✓ 9	1598	1100	1675	1638	1888	758	
	✓ 10	1583	1148	1772	1732	1872	762	
16.0	✓ 11	1615	1143	1662	1679	1885	768	
16.4	✓ 12	1650	1110	1622	1628	1878	761	
	15	2049	772	929	—	1948	765	
	1	2219	1097	1196	—	1968	768	
	2	—	—	1372	—	1965	772	
	3	—	—	1555	—	1962	773	
	4	—	—	1432	—	1958	778	
	5	—	—	1589	—	1954	772	
	6	—	—	1728	—	1950	776	
	7	—	—	1741	—	1922	768	
	8	—	—	1878	—	1940	769	5.34



Cl. <del>Dr.</del>	<sup>mean</sup> Degl. <del>Dr.</del>	Red. Degl.	Magn.	Remarks
1205	281	232	—	
1213	463	381	—	
1250	590	472	—	
1237	830	671	—	
1233	684	554	—	
1219	911	747	—	
1207	976	809	—	
1192	1008	844	—	
1212	1144	944	—	
1145	1070	934	830 <sup>x</sup>	
1140	801	705	636 <sup>✓</sup>	
1143	410	358	432 <sup>✓</sup>	
1154	1006	878	770 <sup>✓</sup>	
1112	672	604	578 <sup>✓</sup>	(outside circle)
1135	886	780	688 <sup>✓</sup>	
1153	1102	956	off curve	
1129	868	769	679 <sup>✓</sup>	
1130	898	795	700 <sup>✓</sup>	
1110	990	892	789 <sup>✓</sup>	
1117	902	807	707 <sup>✓</sup>	
1117	864	754	670 <sup>✓</sup>	
1183	164	138	—	
1200	428	357	—	
1193	600	502	—	
1189	782	658	—	
1180	654	554	—	
1182	817	690	—	
1174	952	810	—	
1154	993	842	—	
1174	1109	944	—	



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m.m. - RH 3208 - July 8, 1932.

Step	Star	y	x	Defl.	Defl.	cl.	sk.	volt
	1s	2049	778	972	—	1860	709	5.35
	1	2219	1102	1265	—	1890	719	
	2	—	—	1402	—	1907	721	
	3	—	—	1501	—	1916	724	
	4	—	—	1458	—	1912	726	
	5	—	—	1418	—	1904	726	
	6	—	—	1718	—	1898	734	
	7	—	—	1728	—	1872	731	
	8	—	—	1850	—	1910	735	
16.8	✓13	1687	562	1835	1832	1898	738	
	✓14	1686	1318	1688	1694	1848	737	
17.0	✓15	1706	375	1528	1502	1902	741	
	✓16	1701	472	1725	1700	1865	740	
	✓17	1712	837	1362	1302	1871	746	
	✓18	1714	1200	1521	1516	1852	749	
17.6	✓19	1763	936	1379	1378	1858	748	
18.2	✓20	1826	638	1778	1774	1929	750	
18.8	✓21	1885	783	1651	1618	1880	742	1541
19.0	✓22	1900	912	1774	1770	1888	746	1771
	✓23	1910	1418	1342	1321	1842	749	
19.4	✓24	1948	303	1391	1422	1863	742	
	✓25	1954	986	1738	1702	1860	747	
	✓26	1952	1208	1608	1671	1855	749	
19.6	✓27	1977	289	779	792	1848	747	
	✓28	1960	369	1758	1679	1878	751	
	✓29	1971	531	1335	1325	1873	759	
	✓30	1960	1068	1270	1278	1866	762	
	✓31	1967	1113	1523	1511	1872	757	
20.0	✓32	1998	1028	1562	1595	1871	759	
20.2	✓33	2021	414	1756	1718	1885	758	



Q. - Sk.	<sup>mean</sup> Depl. - Dk.	Red. Depl.	magn.	Remarks
1151	263	228	—	
1171	546	466	—	
1186	631	574	—	
1192	797	651	—	
1186	732	616	—	
1178	892	757	—	
1164	984	844	—	
1141	997	872	—	
1175	1115	950	—	
1160	1096	945	825 ✓	
1111	954	857	729 ✓	
1161	774	<del>752</del> 667	<del>650</del> 590 ✓	
1225	972	792	179 ✓	
1225	586	<del>566</del> 470	<del>512</del> 450 ✓	
1108	769	696	606 ✓	
1110	630	567	518 ✓	
1179	1026	870	740 ✓	
1138	892	784	672 ✓	
1142	1026	897	768 ✓	
1093	583	532	493 ✓	
1121	664	591	535 ✓	
1113	973	872	745 ✓	
1106	891	806	688 ✓	
1101	39	035	off curve (too bright)	
1127	957	850	722 ✓	
1114	571	512	478 ✓	
1104	572	463	441 ✓	
1115	760	681	599 ✓	
1112	819	735	635 ✓	
1127	<del>871</del> 76	<del>702</del> 861	<del>732</del> 788 ✓	



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m. m. - RH 3208 - July 8, 1932.

Step	Star	y	x	Defl.	Defl.	Cl.	Alt.	volt
	34	2033	1113	1802	1768	1883	759	
	15	2049	778	1000	—	1888	752	
	1	2219	1102	1270	—	1900	754	
	2	—	—	1390	—	1904	755	
	3	—	—	1512	—	1892	761	
	4	—	—	1472	—	1888	757	
	5	—	—	1578	—	1875	758	
	6	—	—	1711	—	1872	762	
	7	—	—	1705	—	1845	758	
	8	—	—	1807	—	1861	751	532
<hr/>								520
R/S - RH 3208 - July 12, 1932.								520
	15	2057	730	857	—	1788	698	
	1	2220	1053	1148	—	1818	702	
	2	—	—	1292	—	1713	707	
	3	—	—	1382	—	1830	708	
	4	—	—	1310	—	1839	712	
	5	—	—	1458	—	1809	718	
	6	—	—	1603	—	1824	722	
	7	—	—	1623	—	1817	722	
	8	—	—	1778	—	1832	721	
20.4	✓ 35	2040	234	1666	1617	1820	724	
20.6	✓ 36	2060	269	1424	1378	1836	724	
	✓ 37	2070	1033	1403	1402	1830	723	
21.0	✓ 38	2100	462	1679	1623	1858	728	
21.4	✓ 39	2140	814	1582	1537	1842	738	
21.6	✓ 40	2161	267	1720	1721	1859	733	
	✓ 41	2160	827	1652	1690	1842	741	
	✓ 42	2162	952	1704	1792	1840	743	
21.8	✓ 43	2190	1138	1372	1324	1833	742	
22.0	✓ 44	2200	943	1778	1743	1847	742	



cl. - dr.	mean Defl. - Dr.	Red. Defl.	mag.	Remarks
1124	1026	913	792	
1136	248	218	—	
1146	516	450	—	
1149	635	563	—	
1131	757	663	—	
1131	715	631	—	
1117	820	735	—	
1110	949	854	—	
1087	947	871	—	
1110	1056	952	—	
	15			
1090	1079	146	—	
1116	446	399	—	
1006	585	582	—	
1122	674	605	—	
1127	598	532	—	
1141	740	648	—	
1102	821	798	—	
1095	901	822	—	
1111	1057	950	—	
1096	918	838	748 ✓	
1112	677	600	588 ✓	
1107	709	641	612 ✓	
1130	923	816	732 ✓	
1104	822	737	670 ✓	
1126	987	877	716 ✓	
1101	930	843	752 ✓	
1097	1005	917	808 ✓	
1091	606	556	562 ✓	
1105	1018	921	813 ✓	



318P-R 413208 - July 12, 1932.

Strip	Star	y	x	Diff	Diff	Ce	Ok	Notes
22.2	✓ 45	2221	782	1402	1406	1860	752	
	✓ 46	2237	1218	1493	1573	1818	752	
22.4	✓ 47	2250	618	1382	1347	1861	748	
22.6	x 48	2273	1300	1692	1656	1829	746	
23.0	✓ 49	2310	1002	1700	1682	1867	708	1811
23.2	✓ 50	2320	980	1582	1580	1877	752	1811
23.4	✓ 51	2340	694	1582	1559	1863	766	
24.0	58	2401	990	1417	1363	1877	754	
	✓ 53	2392	1039	1728	1747	1878	757	
24.2	x 54	2430	1170	1542	1497	1841	708	
24.4	✓ 55	2450	712	1658	1592	1867	759	
	✓ 56	2442	952	1353	1348	1869	762	1811
	x 57	2450	1111	1652	1623	1839	762	1811
24.8	✓ 58	2477	983	1425	1508	1872	761	1811
25.2	✓ 59	2516	x 869	1713	1689	1864	708	1811
	10	2051	730	974	—	1838	754	528
	1	2220	1053	1112	—	1848	756	
	2	—	—	1292	—	1773	758	
	3	—	—	1422	—	1808	706	
	4	—	—	1348	—	1850	754	1811
	5	—	—	1512	—	1847	758	1811
	6	—	—	1643	—	1842	762	1811
	7	—	—	1600	—	1832	762	
	8	—	—	1798	—	1853	758	

Plate  
Linnell



<i>Q-DE</i>	<i>Defl-DE</i>	<i>Red. Defl</i>	<i>Magn.</i>	<i>Remarks</i>
1108	652	<del>578</del> 588	<del>558</del> 580	
1066	781	733	672 ✓	
1113	616	553	561 ✓	
1083	928	856	761	(outside circle)
1109	933	834	746 ✓	
1125	829	736	672 ✓	
1097	804	733	671 ✓	
1123	636	566	568 ✓	
1121	981	874	775 ✓	
1083	862	796	714	(outside circle)
1108	866	782	706 ✓	
1107	578	532	550 ✓	
1071	876	814	731	(outside circle)
1111	705	634	609 ✓	
1106	943	853	760 ✓	
1084	220	203		
1092	356	324		
1015	534	526		
1102	666	603		
1096	594	542		
1089	754	693		
1080	881	812		
1070	888	829		
1095	1040	950		



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h. m. - R.H 3209 - July 12, 1932

Strip	Star	y	x	Defl.	Defl.	cl.	Sk.	volt.
	1s	2050	753	768		1832	758	5.18
	1	2204	1082	835		1828	758	
	2			875		1800	759	
	3			962		1781	758	
	4			990		1840	761	
	5			1148		1778	755	
	6			1332		1849	761	
	7			1428		1818	758	
	8			1662		1822	763	
13.8	x 1	1389	721	1478	1488	1840	768	
14.0	✓ 2	1411	682	1562	1567	1828	777	
	x 3	1410	926	1653	1649	1812	763	
14.4	✓ 4	1451	810	1337	1269	1861	761	
14.6	✓ 5	1468	820	920	958	1831	764	
15.0	✓ 6	1499	636	1522	1551	1820	771	
15.2	x 7	1538	1157	1160	1108	1828	772	
15.6	✓ 8	1559	855	1302	1328	1822	763	
15.8	✓ 9	1588	1129	1629	1615	1835	762	
16.0	✓ 10	1599	931	1342	1358	1831	765	
	✓ 11	1600	1082	1422	1412	1838	764	
16.2	✓ 12	1620	1125	1462	1438	1843	772	
16.4	✓ 13	1655	1092	1295	1332	1818	768	
16.8	✓ 14	1696	1294	1589	1538	1821	769	
17.0	✓ 15	1710	351	1076	1068	1826	763	
	✓ 16	1707	450	1491	1483	1792	769	
	✓ 17	1716	812	879	922	1819	764	
17.2	✓ 18	1718	1175	1219	1225	1852	772	
17.6	✓ 19	1768	912	1048	1015	1825	770	
18.2	✓ 20	1830	613	1510	1512	1818	770	
18.8	✓ 21	1889	760	1260	1278	1836	768	



Cl. - Dr.	<sup>mean</sup> Diff. Dr.	Red. Diff.	Magn.	Remarks
1074	10	009	—	
1070	77	072	—	
1041	116	111	—	
1023	204	198	—	
1079	229	212	—	
1023	393	384	—	
1088	571	525	—	
1060	670	632	—	
1059	899	848	—	
1072	715	666	757 <sup>*</sup>	
1051	787	748	789 <sup>✓</sup>	
1049	888	846	831 <sup>✓</sup>	
1100	542	492	696 <sup>✓</sup>	
1067	<del>214</del> 175	<del>201</del> 164	558 <sup>✓</sup> 527	
1049	765	729	780 <sup>✓</sup>	
1056	362	343	634	(outside circle)
1059	567	536	709 <sup>✓</sup>	
1073	860	801	811 <sup>✓</sup>	
1066	585	548	713 <sup>✓</sup>	
1074	653	607	735 <sup>✓</sup>	
1171	678	578	724 <sup>✓</sup>	
1050	546	519	703 <sup>✓</sup>	
1052	795	754	782 <sup>✓</sup>	
1063	309	290	609 <sup>✓</sup>	
1023	718	702	769 <sup>✓</sup>	
1055	136	129	491 <sup>✓</sup>	
1080	450	416	662 <sup>✓</sup>	
1055	262	248	589 <sup>✓</sup>	
1048	741	707	771 <sup>✓</sup>	
1068	501	470	686 <sup>✓</sup>	



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m.m. - RH 3209 - July 12, 1932.

Strip	Star	y	z	Defl.	Defl.	Cl.	rk	valt.
19.0	✓ 22	1912	1392	1073	1071	1858	762	
19.4	✓ 23	1952	280	1072	1041	1821	768	
	✓ 24	1943	913	1264	1248	1832	765	
19.6	✓ 25	1964	348	1591	1578	1798	762	
	✓ 26	1977	508	932	928	1776	765	
	✓ 27	1964	1045	908	924	1829	768	
	✓ 28	1970	1090	1188	1191	1832	771	
	15	2050	752	808	—	1800	760	
	1	2204	1082	891	—	1826	762	
	2	—	—	992	—	1788	764	
	3	—	—	1040	—	1792	762	
	4	—	—	1058	—	1768	763	
	5	—	—	1168	—	1762	764	
	6	—	—	1362	—	1828	761	
	7	—	—	1422	—	1800	762	
	8	—	—	1690	—	1791	759	5.16

VJP - RH 3209 - July 14, 1932

19.0	✓ 29	2050	753	708	—	1733	683	5.15
	✓ 30	2204	1083	823	—	1771	683	
	✓ 31	—	—	1012	—	1728	689	
	✓ 32	—	—	998	—	1722	681	
	✓ 33	—	—	1032	—	1762	692	
	✓ 34	—	—	1182	—	1718	695	
	✓ 35	—	—	1352	—	1790	692	
	✓ 36	—	—	1408	—	1743	699	
	✓ 37	—	—	1644	—	1778	700	
19.8	✓ 38	1980	277	908	703	1638	703	
20.0	✓ 39	2001	1007	1178	1195	1797	708	
20.2	✓ 40	2026	393	1532	1566	1743	711	
20.4	✓ 41	2047	263	1458	1502	1767	713	



on graph 52-52

Q. - R.	Mean Diff. - R.	Red. Diff.	Mean	Remarks
1096	310	283	(607) 582	
1053	278	273	(603) 575	
1067	491	460	(681) 661	
1036	822	793	(808) 802	
1011	165	163	(526) 490	
1061	148	139	(501) 467	
1061	419	395	(656) 634	
1040	48	046		
1064	129	121		
1024	228	222		
1030	278	270		
1005	295	293		
998	404	405		
1067	601	563		
1038	660	636		
1032	931	902		
1050	25	024		
1088	140	129		
1039	323	311		
1041	317	302		
1070	340	317		
1023	487	475		
1098	660	602		
1044	609	583		
1078	944	875		
935	3	003	off curve	
1089	480	441	(869) 654	52-54
1032	838	810	(815) 801	
1054	967	927	(780) 787	



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LSP- R 43209 - July 14, 1932

Strip	Star	y	X	Diff	Diff	Ce	Dk	Notes
	✓ 33	2038	1091	1552	1587	1791	712	
20.6	✓ 34	2065	298	1121	1169	1748	702	
	✓ 35	2072	1061	1242	1232	1783	713	
21.0	✓ 36	2103	491	1457	1473	1793	720	
21.4	✓ 37	2149	843	1308	1333	1752	717	
21.6	✓ 38	2168	292	1565	1613	1732	719	
	✓ 39	2162	853	1488	1537	1765	722	
	✓ 40	2168	979	1564	1569	1793	718	
21.8	✓ 41	2191	1167	1072	1071	1800	718	
22.2	✓ 42	2227	811	1048	1088	1771	721	
22.4	✓ 43	2252	647	1030	1102	1733	722	
	✓ 44	2240	1247	1342	1357	1777	723	
23.0	✓ 45	2313	1029	1542	1517	1762	720	
23.2	✓ 46	2324	1009	1341	1367	1761	723	
23.4	✓ 47	2342	722	1417	1310	1730	724	
24.0	✓ 48	2406	1019	1093	1087	1788	732	
24.4	✓ 49	2448	980	1132	1173	1772	727	
	✓ 50	2453	741	1374	1375	1727	729	
24.8	✓ 51	2480	1012	1205	1127	1773	724	
	12	2050	753	754	—	1762	727	515
	1	2204	1083	819	—	1788	723	
	2	—	—	950	—	1753	723	
	3	—	—	993	—	1722	727	
	4	—	—	1030	—	1767	733	
	5	—	—	1162	—	1752	724	
	6	—	—	1353	—	1773	723	
	7	—	—	1416	—	1761	722	
	8	—	—	1623	—	1738	728	

Plate  
unmarked



Q. - Dr.	<sup>mean</sup> Defl. - Dr.	Red. Defl.	Magn.	Remarks
1079	808	796	794 ✓	
1046	443	424	642 ✓	
1070	524	490	669 ✓	
1013	745	734	768 ✓	
1035	603	582	708 ✓	
1013	870	858	820 ✓	
1043	790	757	777 ✓	
1075	848	789	791 ✓	
1082	354	336	610 ✓	
1050	347	331	608 ✓	
1011	294	291	587 ✓	
1054	627	594	713 ✓	
1042	810	776	785 ✓	
1038	631	608	718 ✓	
1006	640	637	730 ✓	
1056	358	339	611 ✓	
1045	425	406	640 ✓	
998	645	647	733 ✓	
1049	442	418	645 ✓	
1035	27	026	—	
1065	86	091	—	
1030	227	221	—	
995	266	267	—	
1034	297	287	—	
1028	438	426	—	
1050	630	600	—	
1039	694	667	—	
1010	895	875	—	



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m.m. - RH 800 - July 14, 1932,

Temp	Star	y.	x.	dyl.	dyl.	cl.	dk.	Volts
	1s	2103	902	933		1900	682	5.20
	1	1743	949	1151	—	1882	691	
	2	—	—	1179	—	1987	695	
	3	—	—	1242	—	1902	702	
	4	—	—	1473	—	1922	703	
	5	—	—	1501	—	1919	712	
	6	—	—	1642	—	1952	715	
	7	—	—	1720	—	1958	718	
	8	—	—	1791	—	1958	718	
15.0	✓ 1	1510	1000	1689	1710	1930	728	
15.2	✓ 2	1528	882	1748	1757	1928	733	
15.4	✓ 3	1549	1052	1781	1792	1933	731	
15.6	✓ 4	1565	657	1778	1791	1943	731	
	✗ 5	1570	738	1858	1871	1942	738	
	✓ 6	1566	790	1808	1842	1950	742	
15.8	✗ 7	1592	1120	1849	1810	1927	746	
16.0	✓ 8	1612	457	1889	1882	1969	742	
	✓ 9	1612	533	1740	1798	1958	744	
	✓ 10	1612	552	1892	1810	1958	742	
	✓ 11	1604	758	1780	1783	1931	742	
	✓ 12	1615	832	1715	1670	1930	748	
	✓ 13	1612	1010	1824	1791	1943	752	
16.2	✓ 14	1629	614	1822	1788	1949	752	
	✓ 15	1635	829	1529	1479	1942	761	
	✓ 16	1622	871	1758	1748	1922	750	
16.4	✓ 17	1643	1030	1559	1539	1915	758	
	✓ 18	1659	864	1782	1771	1920	760	
16.6	✓ 19	1665	1187	1539	1522	1900	762	
	✓ 20	1659	1202	1787	1772	1921	758	
	✓ 21	1660	865	1796	1789	1947	757	



Q.-Dk.	mean Dell-Dk.	Rel. Dk.	mean	Remarks
1212	251	248	—	
1191	460	386	—	
1212	484	399	—	
1200	542	451	—	
1219	770	632	—	
1207	789	654	—	
1237	927	750	—	
1240	1002	809	—	
1140	1023	942	—	
1202	972	808	770 ✓	
1195	1017	851	792 ✓	
1202	1055	808	770 ✓	
1212	1053	868	800 ✓	
1204	1126	934	828 x	
1208	1083	891	813 ✓	
1181	1088	920	825 x	
1227	1144	934	828 ✓	
1214	1025	844	787 ✓	
1216	1109	912	821 ✓	
1189	1040	875	803 ✓	
1182	944	798	766 ✓	
1191	1056	886	807 ✓	
1197	1053	883	806 ✓	
1181	743	628	669 ✓	
1172	1053	856	794 ✓	
1157	791	685	703 ✓	
1260	1016	807	770 ✓	
1138	768	675	697 ✓	
1163	1022	878	803 ✓	
1190	1035	870	801 ✓	



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m.m. - RH 800 - July 14, 1932

Strip	Star	y	γ	Defl.	Defl.	Cl.	St.	valt.
	✓ 22	1667	1187	1498	1529	1910	758	
	23	1660	1203	1736	1722	1921	762	
	✓ 24	1678	1168	1769	1752	1932	763	
17.0	✓ 25	1707	917	1762	1777	1931	761	
	✓ 26	1704	1000	1702	1688	1922	762	
17.2	✓ 27	1733	428	1786	1812	1958	764	
	✓ 28	1719	452	1842	1819	1951	762	
17.4	✓ 29	1747	487	1539	1465	1972	762	
	✓ 30	1753	553	1312	1332	1948	762	
	✓ 31	1752	1082	1687	1662	1941	760	
17.6	✓ 32	1760	430	1303	1312	1962	761	
	✓ 33	1777	891	1691	1703	1941	762	
17.8	✓ 34	1792	704	1842	1818	1951	764	
	✓ 35	1780	949	1562	1578	1936	768	5.20
18.0	✓ 36	1800	1283	1791	1812	1912	772	
	✓ 37	1810	1312	1802	1782	1914	770	
18.2	✓ 38	1820	328	1819	1810	1956	771	
	✓ 39	1820	665	1833	1891	1962	768	
	✓ 40	1822	932	1642	1688	1935	774	
	✓ 41	1825	1235	1632	1652	1912	772	
18.4	✓ 42	1856	320	1807	1798	1958	769	
	✓ 43	1854	642	1792	1800	1958	772	
	✓ 44	1850	1058	1689	1648	1938	770	
18.6	✓ 45	1874	1328	1658	1648	1912	772	
18.8	✓ 46	1880	1105	1710	1691	1938	771	
	✓ 47	1888	1183	1812	1782	1893	775	
19.0	✓ 48	1910	225	1814	1795	1962	775	
	✓ 49	1912	239	1831	1840	1952	772	
	✓ 50	1912	308	1782	1771	1951	765	
	✓ 51	1908	380	1818	1836	1956	772	



Q.-Dr.	mean Dgl.-Dr.	Red. Dgl.	magn.	Remarks
115 <sup>a</sup>	756	655	685 ✓	
1159	967	834	784 ✓	
1169	997	853	792 ✓	
1170	1009	862	797 ✓	
1160	933	803	769 ✓	
1194	1035	867	800 ✓	
1189	1068	907	818 ✓	
1210	740	611	660 ✓	
1186	560	472	563 ✓	
1181	914	773	754 ✓	
1201	547	456	551 ✓	
1179	935	793	715 ✓	
1187	1066	907	817 ✓	
1168	<del>772</del> 772	<del>661</del> 661	<del>824</del> 829 ✓	
1140	1032	907	817 ✓	
1144	1022	895	813 ✓	
1185	1043	882	807 ✓	
1194	1094	917	823 ✓	
1161	891	767	749 ✓	
1140	870	762	747 ✓	
1189	1033	871	802 ✗	
1186	1024	864	798 ✓	
1168	898	751	740 ✓	
1140	881	772	772 ✓	
1167	929	796	765 ✓	
1118	1022	916	822 ✓	
1187	1029	867	800 ✓	
1180	1064	903	815 ✓	
1186	1011	<del>852</del> 828	<del>827</del> 791 ✓	
1184	1055	892	811 ✓	



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m.m. - RH 800 - July 14, 1932.

Step	Star	y	γ	Defl.	Defl.	Cl.	Ab. volt
✓ 52	1912	393	1811	1829	1953	760	
✓ 53	1912	750	1594	1578	1931	762	
✓ 54	1902	840	1712	1722	1942	768	
✓ 55	1899	996	1742	1712	1914	763	
✓ 56	1907	1066	1722	1728	1918	773	
✓ 57	1916	1307	1698	1691	1898	762	
18	2103	902	900	—	1912	765	
1	1743	949	1215	—	1891	768	
2	—	—	1218	—	1892	765	
3	—	—	1299	—	1902	769	
4	—	—	1482	—	1918	760	
5	—	—	1448	—	1910	762	
6	—	—	1615	—	1901	764	
7	—	—	1639	—	1921	768	
8	—	—	1782	—	1924	765	5.16

2103 - RH 800 - July 16, 1932

1.2	2103	877	862	—	1852	703	505
1	1741	920	1103	—	1872	702	
2	—	—	1141	—	1898	702	
3	—	—	1222	—	1899	707	
4	—	—	1435	—	1897	708	
5	—	—	1382	—	1902	704	
6	—	—	1618	—	1916	708	
7	—	—	1622	—	1918	708	
8	—	—	1752	—	1924	707	
19.2	✓ 58	1921	1131	1782	1768	1900	716
	✓ 59	1926	1239	1753	1742	1901	714
19.4	✓ 60	1945	187	1733	1809	1947	714
	✓ 61	1945	261	1274	1282	1938	713
	✓ 62	1938	328	1783	1737	1951	718



Co-Dr.	mean Diff-Dr.	Red. Diff.	Magn.	Remarks
1193	1060	888	809 ✓	
1169	824	705	713 ✓	
1174	949	807	770 ✓	
1151	964	837	785 ✓	
1145	952	832	783 ✓	
1136	932	821	779 ✓	
1147	135	118	—	
1123	447	397	—	
1127	453	402	—	
1143	540	472	—	
1158	722	623	—	
1148	686	597	—	
1137	857	649	—	
1153	871	754	—	
1159	1017	878	—	
1149	139	138	—	
1170	457	385	—	
1196	439	367	—	
1192	515	431	—	
1189	727	612	—	
1198	678	566	—	
1208	910	754	—	
1210	914	755	—	
1217	1045	860	—	
1184	1059	894	<del>812</del> <sup>off</sup> <del>time</del> ✓	
1187	1034	873	<del>801</del> <sup>758</sup> 835 ✓	
1233	1057	864	<del>814</del> <sup>755</sup> 825 ✓	
1225	565	457	<del>852</del> <sup>535</sup> ✓	
1233	1042	845	<del>824</del> <sup>807</sup> ✓	



2 JP. B H 800 - July 16, 1932.

Strip	Star	$\gamma$	$\lambda$	Diff	Diff	cc	ok	Volts
	✓ 63	1946	397	1478	1703	1931	719	
	✓ 64	1907	407	1682	1672	1918	719	
	✓ 65	1950	531	1592	1592	1893	731	
	✓ 66	1940	562	1531	1532	1907	722	
	✓ 67	1958	903	1260	1292	1907	723	
19.6	✓ 68	1970	387	1660	1648	1923	723	
	✓ 69	1971	606	1203	1192	1907	722	
	✓ 70	1977	621	1422	1477	1923	724	
	✓ 71	1970	964	1453	1425	1890	728	
	✓ 72	1970	969	1644	1666	1882	727	
19.8	✓ 73	1988	248	1767	1761	1922	727	
	✓ 74	1988	561	1214	1192	1923	726	
	✓ 75	1990	694	1668	1602	1904	732	
	✓ 76	1994	747	1706	1707	1897	730	
20.0	✓ 77	2004	198	1692	1710	1917	732	
	✓ 78	2009	1148	1632	1672	1868	730	
20.2	✓ 79	2030	291	1326	1316	1922	727	
	✓ 80	2030	692	1514	1488	1897	732	
20.4	✓ 81	2045	507	1342	1290	1897	732	
20.8	✓ 82	2080	644	1577	1594	1898	736	
	✓ 83	2078	872	1578	1568	1873	734	
	✓ 84	2097	968	1290	1353	1868	732	
	✓ 85	2090	1249	1329	1323	1870	731	
	10	2103	877	952	—	1862	733	570
	1	1741	920	1257	—	1858	732	
	2	—	—	1200	—	1853	723	
	3	—	—	1239	—	1858	733	
	4	—	—	1405	—	1878	732	
	5	—	—	1362	—	1884	731	
	6	—	—	1610	—	1881	734	
	7	—	—	1678	—	1892	734	
	8	—	—	1751	—	1894	740	



Q. - Dr.	mean Defl. Dr.	Red. Defl.	mean	Remarks
1212	1041	859	818 <del>705</del> ✓	
1199	958	799	755 <del>761</del> ✓	
1162	861	740	707 <del>733</del> ✓	
1185	810	683	665 <del>703</del> ✓	
1184	553	467	541 <del>560</del> ✓	
1200	931	776	735 <del>755</del> ✓	
1185	476	402	500 <del>510</del> ✓	
1199	726	606	619 <del>657</del> ✓	
1162	711	611	623 <del>661</del> ✓	
1155	928	803	760 <del>767</del> ✓	
1195	1037	868	830 <del>808</del> ✓	
1197	477	399	497 <del>508</del> ✓	
1172	903	769	730 <del>750</del> ✓	
1167	976	836	792 <del>705</del> ✓	
1185	969	824	780 <del>760</del> ✓	
1138	922	811	768 <del>772</del> ✓	
1195	594	497	559 <del>581</del> ✓	
1165	709	608	620 <del>668</del> ✓	
1165	584	502	562 <del>595</del> ✓	
1162	860	739	707 <del>733</del> ✓	
1139	839	737	705 <del>731</del> ✓	
1136	590	519	569 <del>598</del> ✓	
1139	595	522	574 <del>608</del> ✓	outside circle
1129	219	194	—	
1126	525	466	—	
1130	477	422	—	
1125	506	449	—	
1146	693	587	—	
1153	631	547	—	
1149	896	764	—	
1158	944	816	—	
1154	1011	877	—	



XSP-RH 800 - July 18, 1932.

Strip	Star	$\lambda$	$\chi$	$\Delta\lambda$	$\Delta\lambda$	Ce	$\Delta k$	Volts
	10	2103	877	929	—	1808	673	600
	1	1741	920	1161	—	1811	674	
	2	—	—	1141	—	1827	677	
	3	—	—	1212	—	1839	683	
	4	—	—	1441	—	1846	683	
	5	—	—	1444	—	1852	688	
	6	—	—	1553	—	1793	683	
	7	—	—	1598	—	1878	688	
	8	—	—	1707	—	1858	682	
21.0	✓ 86	2109	670	1637	1628	1868	681	
	✓ 87	2116	667	1689	1653	1873	688	
	✓ 88	2102	1035	1630	1612	1839	690	
	✓ 89	2109	1203	1573	1557	1839	693	
21.2	✓ 90	2120	579	1660	1632	1809	692	
21.4	✓ 91	2139	212	1686	1633	1902	693	
	✓ 92	2151	352	1562	1557	1880	691	
	✓ 93	2149	1367	1653	1632	1832	696	
21.6	✓ 94	2174	508	1722	1723	1892	697	
	✓ 95	2167	669	1676	1677	1868	701	
	✓ 96	2160	909	1151	1229	1859	697	
21.8	✓ 97	2182	347	1508	1488	1880	702	
	✓ 98	2190	471	1598	1592	1862	700	
	✓ 99	2180	542	1702	1682	1855	697	
	✓ 100	2190	748	1745	1728	1847	697	
	✓ 101	2178	1173	1702	1683	1834	702	
22.0	✓ 102	2202	406	1541	1508	1857	703	
	✓ 103	2201	930	1572	1576	1838	704	
	✓ 104	2210	948	1669	1703	1847	701	
22.2	✓ 105	2227	505	1532	1498	1869	699	
	✓ 106	2229	1107	1529	1537	1798	707	



Cl. <del>Dr.</del>	<sup>Magn</sup> Degl. <del>Dr.</del>	Red. Degl.	Magn	Remarks
1135	256	225		
1137	487	428		
1150	464	403		
1156	529	457		
1163	758	651		
1164	756	648		
1110	870	782		
1190	910	965		
1176	1025	873		
1181	951	805	748 ✓	
1185	983	829	772 ✓	
1149	931	810	753 ✓	
1146	872	762	709 ✓	
1167	954	818	760 ✓	
1209	967	800	743 ✓	
1189	869	731	684 ✓	
1136	946	833	775 ✓	
1195	1025	858	801 ✓	
1167	975	832	774 ✓	
1162	493	424	486 ✓	
1178	796	677	647 ✓	
1162	895	768	712 ✓	
1158	995	860	805 ✓	
1150	1039	904	821 ✓	off curve X
1132	990	873	821 ✓	
1154	821	711	670 ✓	
1134	880	775	720 ✓	
1146	985	860	805 ✓	
1170	816	697	660 ✓	
1091	826	756	704 ✓	



JGP-RH 500 - July 18, 1932

Strip	Star	y	x	Left	Left	Ce	rk	Notes
22.4	✓ 107	2247	849	1542	1531	1843	705	
	✓ 108	2239	940	1727	1710	1842	706	
	✓ 109	2240	1057	1527	1510	1846	711	
	✓ 110	2251	1283	1583	1563	1828	707	
22.6	✓ 111	2262	403	1657	1632	1878	712	
	✓ 112	2273	449	1403	1419	1852	713	
	✓ 113	2272	453	1628	1632	1857	708	
	✓ 114	2276	1096	1436	1404	1762	714	
22.8	✓ 115	2291	954	1548	1537	1832	717	
	✓ 116	2277	1309	1633	1640	1817	711	
23.0	✓ 117	2310	382	1670	1689	1867	721	
23.2	✓ 118	2331	689	1723	1723	1848	721	
	✓ 119	2329	692	1707	1702	1847	722	
	✗ 120	2329	711	1767	1757	1868	717	
	✓ 121	2330	782	1718	1702	1822	718	
	✓ 122	2330	797	1506	1529	1842	719	
23.4	✓ 123	2341	1049	1603	1576	1819	721	
23.6	✓ 124	2370	583	1622	1568	1868	721	
	✓ 125	2363	740	1612	1627	1823	720	
	126	2378	1027	1601	1582	1827	723	
	10	2103	877	1622	-	1813	721	
	✓	1741	920	1239	-	1802	724	575
	2	-	-	1202	-	1808	721	
	3	-	-	1318	-	1810	722	
	4	-	-	1413	-	1832	728	
	5	-	-	1434	-	1835	723	
	6	-	-	1588	-	1838	724	
	7	-	-	1680	-	1847	725	
	8	-	-	1716	-	1857	730	



Q. - Dr.	<sup>mean</sup> Defl. - Dr.	Red. Defl.	Magn.	Remarks
1138	631	555	577 ✓	
1136	1012	893	845 ✓	
1135	807	711	670 ✓	
1119	866	774	720 ✓	
1166	932	800	743 ✓	
1139	698	612	610 ✓	
1149	922	803	745 ✓	
1048	706	674	<del>645</del> 720 ✓	
1115	825	740	691 ✓	
1106	925	837	780 ✓	
1146	909	837	780 ✓	
1127	1002	879	827 ✓	
1125	982	892	820 ✓	
1151	1045	907	off curve X	
1104	992	898	855 ✓	
1123	799	711	670 ✓	
1098	869	792	735 ✓	
1147	874	763	709 ✓	
1103	900	815	757 ✓	
1104	869	786	729 ✓	
1092	801	205	—	
1078	515	478	—	
1087	481	442	—	
1088	596	547	—	
1104	685	620	—	
1112	711	638	—	
1114	864	775	—	
1122	955	858	—	
1127	986	875	—	



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m.m. — RH 800 — July 18, 1932.

Strp	Star	y	z	Defl.	Defl.	Cl.	Dk.	volt.
	1s	2103	877	848	—	1808	687	5.00
	1	1741	920	1167	—	1808	692	
	2	—	—	1151	—	1812	698	
	3	—	—	1168	—	1832	698	
	4	—	—	1389	—	1833	700	
	5	—	—	1420	—	1841	706	
	6	—	—	1588	—	1781	705	
	7	—	—	1642	—	1848	708	
	8	—	—	1738	—	1858	712	
23.8	✓ 127	2385	918	1478	1518	1831	718	
	✓ 128	2387	1196	1655	1638	1838	723	
24.0	✓ 129	2400	662	1572	1602	1882	718	
	✓ 130	2405	1052	1433	1448	1857	722	
24.2	✓ 131	2420	312	1955	1772	1898	718	
	✓ 132	2438	700	1657	1632	1865	719	
24.4	✓ 133	2459	998	1457	1452	1858	732	
24.8	✓ 134	2480	413	1656	1702	1900	734	
	✓ 135	2477	878	1392	1361	1842	741	
	✓ 136	2497	890	865	852	1862	732	
	✓ 137	2498	962	1615	1568	1829	741	
25.0	✓ 138	2512	395	1598	1677	1896	738	
	✓ 139	2515	462	1598	1638	1882	738	
	✓ 140	2518	541	1558	1552	1882	738	
	141	2512	918	1178	1170	1858	741	
25.2	✓ 142	2524	428	1041	1072	1882	742	
	✓ 143	2519	452	1283	1321	1873	738	
	✓ 144	2528	575	1718	1660	1889	742	
	✓ 145	2523	839	1458	1452	1861	732	
25.4	✓ 145a	2547	618	1130	1055	1858	740	
	✓ 146	2542	1132	1542	1533	1812	738	



Cl. Dr.	Mean Defl. Dr.	Red. Defl.	Mag.	Remarks
1121	161	144	—	
1116	475	408	—	
1114	453	406	—	
1134	470	414	—	
1133	689	607	—	
1135	714	628	—	
1096	883	751	—	
1140	934	820	—	
1146	1026	894	—	
1113	780	698	680 ✓	
1115	923	826	781 ✓	
1164	869	746	716 ✓	
1129	718	636	640 ✓	
1180	1046	887	841 ✓	
1146	925	807	815 ✓	
1126	720	639	641 ✓	
1166	945	811	769 ✓	
1101	635	576	604 ✓	
1130	126	111	(too bright!) off curve ✓	
1188	851	717	696 ✓	
1158	900	798	740 ✓	
1144	880	768	732 ✓	
1144	817	713	691 ✓	
1117	433	388	500 ✓	
1140	314	275	407 ✓	
1135	564	497	561 ✓	
1147	947	827	833 ✓	
1129	723	640	642 ✓	
1118	402	349	472 ✓	
1024	800	744	714 ✓	



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m.m. - RH 500 - July 18, 1932

Step	Star	y	x	Defl.	Defl.	Q.	Dk.	Vol.
	✓ 147	2561	992	1532	1590	1838	738	
25.8	✓ 148	2589	780	1538	1528	1855	748	
26.0	✓ 149	2618	850	1392	1381	1851	728	
	✓ 150	2612	889	1658	1656	1835	737	
26.2	✓ 151	2630	769	1452	1458	1852	738	
Plate Finished	1s	2103	877	938	—	1819	740	
	1	1741	920	1250	—	1810	738	
	2	—	—	1172	—	1810	738	
	3	—	—	1238	—	1812	748	
	4	—	—	1440	—	1810	741	
	5	—	—	1452	—	1818	740	
	6	—	—	1570	—	1818	740	
	7	—	—	1602	—	1832	738	
	8	—	—	1690	—	1834	741	5.00



Cl.-Dk.	mean Dypl.-Dk.	Red. Dypl.	Magn.	Remarks
1100	823	747	717 ✓	
1107	785	710	689 ✓	
1123	658	586	608 ✓	
1098	920	837	790 ✓	
1114	517	464	546 ✓	
1079	198	184	—	
1072	512	476	—	
1072	434	405	—	
1064	490	460	—	
1069	699	653	—	
1078	712	660	—	
1078	830	769	—	
1094	864	789	—	
1093	949	867	—	



28P- R H 2488 - July 20, 1932.

Strip	Star	y	x	Defl	Defl	ce	rk	alts
	1	2080	908	885	—	2032	688	520
	1	1721	959	1431	—	2043	692	
	2	—	—	1538	—	2054	688	
	3	—	—	1512	—	2053	688	
	4	—	—	1720	—	2032	692	
	5	—	—	1653	—	2048	723	
	6	—	—	1772	—	2079	692	
	7	—	—	1793	—	2088	692	
	8	—	—	1943	—	2051	694	
14.2	x 1	1431	758	1888	1896	2043	690	
14.8	✓ 2	1490	1023	1812	1813	2052	700	
15.0	✓ 3	1507	906	1913	1906	2058	702	
	x 4	1502	449	1600	1588	2057	699	
15.2	✓ 5	1528	1077	1938	1941	2052	698	
15.4	✓ 6	1542	680	1864	1882	2060	700	
	✓ 7	1549	812	1952	1963	2057	701	
15.8	✓ 8	1572	558	1827	1798	2064	699	
	✓ 9	1591	577	1911	1898	2048	698	
	✓ 10	1583	782	1878	1893	2049	702	
	✓ 11	1597	858	1773	1808	2058	703	
16.0	✓ 12	1610	638	1877	1919	2077	703	
	✓ 13	1615	852	1657	1650	2058	700	
	✓ 14	1603	892	1947	1942	2057	702	
16.2	✓ 15	1631	1055	1683	1722	2060	708	
16.4	✓ 16	1648	<del>1209</del>	1783	1741	2056	712	
	x 17	1639	1228	1899	1937	2050	711	
16.6	✓ 18	1659	1191	1953	1963	2068	710	
16.8	✓ 19	1687	940	1887	1863	2059	712	
	✓ 20	1682	1023	1832	1842	2051	712	
17.0	21	1711	407	1862	1853	2053	713	



Q. Sk.	Mean Degl. Sk.	Red. Degl.	Mean	Remarks
1344	197	146	—	
1351	739	547	—	
1366	850	622	—	
1365	824	603	—	
1340	1038	774	—	
1345	950	706	—	
1389	1080	785	—	
1396	1101	790	—	
1357	1249	921	—	
1353	1202	898	820 <sup>x</sup>	(outside circle of 800)
1352	1112	823	753 <sup>✓</sup>	
1356	1208	890	821 <sup>✓</sup>	
1358	895	658	590 <sup>x</sup>	(outside circle of 800)
1354	1242	918	854 <sup>✓</sup>	
1360	1173	863	792 <sup>✓</sup>	
1356	1257	927	864 <sup>✓</sup>	
1365	1113	809	739 <sup>✓</sup>	
1350	1206	893	824 <sup>✓</sup>	
1347	1184	879	810 <sup>✓</sup>	
1355	1087	802	732 <sup>✓</sup>	
1374	1195	869	800 <sup>✓</sup>	
1358	950	699	629 <sup>✓</sup>	
1355	1242	917	855 <sup>✓</sup>	
1352	1000	739	668 <sup>✓</sup>	
1344	1000	782	712 <sup>✓</sup>	
1339	1207	901	835 <sup>x</sup>	
1358	1248	920	858 <sup>✓</sup>	
1347	1166	866	797 <sup>✓</sup>	
1339	1125	840	770 <sup>✓</sup>	
1340	1145	855	785 <sup>✓</sup>	



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SP-RA 2488-July 20, 1932

trip	Star	y	X	Left	Right	Ce	Sk	Notes
17.2	✓ 22	1400	477	1958	1911	2058	711	
	✓ 23	1727	510	1532	1483	2043	713	
	✓ 24	1732	578	1383	1358	2058	713	
	✓ 25	1730	1107	1793	1838	2060	713	
17.4	✓ 26	1740	454	1320	1366	2061	716	
17.6	✓ 27	1760	971	1722	1683	2047	718	
17.8	x 28	1778	1039	1908	1913	2063	703	
	✓ 28a	1790	1338	1962	1982	2062	710	
	10	2080	908	922	—	2033	723	5.30
	1	1721	959	1360	—	2062	719	
	2	—	—	1543	—	2067	722	
	3	—	—	1564	—	2076	722	
	4	—	—	1712	—	2053	717	
	5	—	—	1698	—	2058	713	
	6	—	—	1789	—	2078	731	
	7	—	—	1793	—	2092	720	
	8	—	—	1897	—	2070	719	
m.m. - 12/H 24.88 - July 21, 1932								
	15	2080	908	852	—	2041	682	5.30
	1	1721	959	1418	—	2032	681	
	2	—	—	1518	—	2058	692	
	3	—	—	1608	—	2078	697	
	4	—	—	1712	—	2072	691	
	5	—	—	1738	—	2054	692	
	6	—	—	1806	—	2088	700	
	7	—	—	1852	—	2096	699	
	✓ 8	—	—	1966	—	2102	702	
18.0	✓ 29	1800	956	1972	1942	2089	700	
	✓ 30	1804	1255	1882	1891	2082	710	
18.2	x 31	1833	243	1835	1831	2108	712	
	✓ 32	1834	667	1978	1932	2110	716	



Co. Dr.	<sup>mean</sup> Deg. - Dr.	Red. Deg.	magn.	Remarks
1347	1223	910	846	✓
1330	795	598	536	✓
1340	657	490	447	✓
1347	1103	821	751	✓
1345	637	474	435	✓
1329	984	741	670	✓
1360	1207	887	819	✗
1352	1262	934	872	✗
1310	199	152	—	
1343	641	477	—	
1345	821	610	—	
1354	842	621	—	
1336	995	745	—	
1345	985	732	—	
1339	1058	791	—	
1372	1073	782	—	
1351	1178	871	—	
1359	170	125	—	
1351	737	545	—	
1366	826	605	—	
1381	911	667	—	
1321	1021	740	—	
1362	1046	768	—	
1388	1106	796	—	
1397	1153	827	—	
1400	1264	904	—	
1389	1257	904	841	✓
1392	1176	857	771	✓
1396	1121	804	700	✗
1394	1239	889	818	✓



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m.m. - RH 2488 - July 21, 1932,

Strip	Star	y	+	Defl.	Defl.	Cl.	Dr.	Vel.
	✓ 33	1835	671	1936	1922	2120	721	
	✓ 34	1828	1081	1879	1882	2085	720	
18.4	✓ 35	1852	1352	1882	1842	2088	722	
18.6	✓ 36	1876	847	1975	1938	2082	719	
	✓ 37	1875	1021	1892	1911	2061	735	
18.8	✓ 38	1889	250	1932	1878	2098	738	
	✓ 39	1892	332	1852	1812	2089	742	
	✓ 40	1887	405	1861	1852	2082	740	
	✓ 41	1894	418	1991	2001	2092	748	
	✓ 42	1892	772	1738	1772	2099	738	
	✓ 43	1880	862	1855	1914	2079	747	
	✓ 44	1885	1090	1922	1900	2072	742	
	✓ 45	1890	1332	1922	1918	2081	748	
19.0	✓ 46	1917	615	1698	1672	2100	742	
19.2	✓ 47	1926	241	1806	1832	2092	745	
	✓ 48	1925	312	1418	1352	2086	742	
	✓ 49	1924	450	1889	1918	2088	748	
	✓ 50	1934	498	1858	1792	2090	757	
	✓ 51	1929	582	1682	1691	2071	731	
	✓ 52	1934	945	1555	1562	2053	746	
19.4	✓ 53	1950	440	1739	1728	2052	749	
	✓ 54	1950	658	1410	1408	2061	750	
	✓ 55	1954	672	1728	1682	2062	743	
	✓ 56	1950	1018	1688	1708	2051	749	
	✓ 57	1949	1021	1891	1928	2065	748	
19.6	✓ 58	1968	290	1871	1852	2086	742	
	✓ 59	1966	614	1398	1432	2062	740	
	✓ 60	1969	749	1766	1769	2057	749	
	✓ 61	1971	800	1920	1895	2048	743	
19.8	✓ 62	1983	252	1818	1859	2081	749	



Q. - Dr.	Mean Defl. <del>Dr.</del>	Red. Defl.	Magn.	Remarks
1399	1208	864	782	✓
1365	1160	850	762	✓
1366	1140	836	744	✓
1363	1237	907	843	X
1326	1161	878	801	✓
1360	1167	858	772	✓
1347	1090	810	708	✓
1342	1116	757	637	✓
1344	1248	928	880	✓
1361	1017	747	623	✓
1332	1137	853	765	✓
1330	1169	878	801	✓
1343	1172	873	795	✓
1358	943	694	563	✓
1347	1074	798	691	✓
1344	643	478	393	✓
1330	1156	868	790	✓
1339	1074	878	803	✓
1340	955	712	583	✓
1307	812	622	492	✓
1303	985	756	634	✓
1311	659	503	407	✓
1319	962	730	604	✓
1302	949	722	602	✓
1317	1162	884	811	✓
1344	1120	884	740	✓
1322	675	511	412	✓
1308	1019	780	658	✓
1305	1165	894	825	✓
1332	1089	817	718	✓



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m.m. - R H 2488 - July 21, 1932

Strip	Star	y	x	Defl.	Defl	Cl.	Dk.	volt
20.0	✓ 63	2009	343	1466	1389	2055	752	
	✓ 64	2010	746	1728	1753	2062	750	
	15	2080	908	991	—	2069	758	
	1	1721	959	1565	—	2042	761	
	2	—	—	1599	—	2078	762	
	3	—	—	1758	—	2079	758	
	4	—	—	1781	—	2069	767	
	5	—	—	1782	—	2058	758	
	6	—	—	1810	—	2112	752	
	7	—	—	1819	—	2093	759	
	8	—	—	1158	—	2086	751	5.25

m.m. - R H 2488 - July 23, 1932.

5.20

	15	2080	908	1012	—	1952	662	
	1	1721	959	1484	—	1958	673	
	2	—	—	1515	—	1991	676	
	3	—	—	1601	—	1988	672	
	4	—	—	1699	—	2009	682	
	5	—	—	1707	—	2008	688	
	6	—	—	1801	—	2018	681	
	7	—	—	1810	—	2010	686	
	✓ 8	—	—	1908	—	2008	682	
20.2	✓ 65	2025	569	1502	1518	2039	688	
	✓ 66	2024	675	1932	1904	2014	686	
20.4	✓ 67	2055	216	1760	1779	2052	692	
	✓ 68	2055	922	1867	1821	2051	689	
20.6	✓ 69	2072	1019	1720	1724	2042	702	
	✓ 70	2070	1301	1689	1708	2032	708	
20.8	✓ 71	2095	719	1858	1849	2032	705	
	✓ 72	2088	722	1812	1856	2028	702	
	✓ 73	2081	1088	1902	1922	2053	709	



Q.-Dk.	mean Dof.-Dk.	Red. Dof.	Magn.	Remarks
1303	676	518	416	✓
1312	990	754	611	✓
1311	233	177	—	
1281	804	627	—	
1346	837	636	—	
1321	1000	756	—	
1302	1014	780	—	
1300	1024	789	—	
1360	1058	777	—	
1334	1060	794	—	
1335	1207	904	—	
1290	350	272	—	
1285	811	631	—	
1315	939	714	—	
1316	1039	790	—	
1327	1017	767	—	
1320	1019	773	—	
1339	1120	837	—	
1324	1124	850	—	
1326	1226	925	—	
1351	822	611	448	✓
1328	1232	930	818	x
1360	1078	793	632	x
1362	1155	947	701	✓ (outside circle of 800)
1340	1020	762	599	✓
1324	990	748	580	✓
1327	1149	866	729	✓
1326	1132	853	712	✓
1344	1203	895	768	✓



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m.m. - RH 2488 - July 23, 1932.

Strip	Str	y	x	Defl.	Defl.	Cl.	Dr.	Vol.
	✓ 74	2087	1253	1838	1809	2032	700	
21.0	✓ 75	2118	267	1709	1790	2015	715	
	✓ 76	2099	631	1829	1810	2021	710	
21.2	✓ 77	2118	268	1718	1747	2020	712	
	✓ 78	2133	405	1689	1708	2034	712	
21.4	✓ 79	2154	562	1832	1869	2008	708	
	✓ 80	2145	722	1872	1875	2028	712	
	✓ 81	2151	817	1909	1934	2021	718	
	✓ 82	2139	961	1612	1582	2008	708	
21.6	✓ 83	2161	400	1632	1628	2038	710	
	✓ 84	2168	523	1782	1761	2033	702	
	✓ 85	2160	593	1878	1872	2031	714	
21.8	✓ 86	2182	509	1693	1711	2021	718	
	✓ 87	2179	982	1862	1872	2023	712	
	✓ 88	2189	1000	1891	1928	1998	715	
22.0	✓ 89	2203	558	1658	1701	2009	712	
	✓ 90	2207	1161	1778	1821	2022	718	
22.2	✓ 91	2225	900	1810	1812	2019	721	
	✓ 92	2218	1110	1789	1812	2038	718	
22.4	✓ 93	2242	458	1800	1732	2008	722	
	✓ 94	2250	482	1849	1868	2028	712	
	✓ 95	2251	482	1902	1899	2028	718	
	✓ 96	2252	502	1598	1582	2002	715	
	✓ 97	2253	508	1800	1788	2018	722	
	✓ 98	2250	518	1891	1933	1998	715	
	✓ 99	2252	1148	1688	1702	2032	728	
22.6	✓ 100	2270	1008	1782	1789	2000	721	
22.8	✓ 101	2290	438	1820	1838	2010	718	
23.0	✓ 102	2310	850	1792	1751	2014	725	
23.4	✓ 103	2350	638	1802	1821	2012	718	



Cl. Dk.	Mean Dagl.-Dk.	Red. Dagl.	Magn.	Remarks
1332	1124	845	705	✓
1300	1035	797	637	✓
1311	1110	852	717	✓
1308	1020	767	603	✓
1322	1086	821	670	✓
1300	1142	890	748	✓
1316	1162	874	753	✓
1303	1204	924	811	x
1300	989	684	524	✓
1328	920	702	532	✓
1331	1090	804	647	✓
1317	1161	874	754	✓
1303	994	760	595	✓
1311	1155	881	750	✓
1283	1195	931	820	✓
1297	968	746	578	✓
1304	1082	830	680	✓
1298	1090	841	695	✓
1320	1082	820	667	✓
1286	1044	814	660	✓
1316	1146	871	739	x
1310	1182	904	781	x
1287	875	688	518	✓
1296	1072	829	679	✓
1283	1197	933	825	x
1304	962	741	575	✓
1269	1065	847	702	✓
1292	1111	860	720	✓
1289	1047	813	660	✓
1294	1094	846	700	✓

~~some stars. Not seen  
on 800.~~

Not seen on 800



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m. m. - RH 2488 - July 23, 1932,

Ship	Star	y	x	Defl.	Defl.	Cl.	DR.	volb
	✓ 104	2365	970	1788	1757	2010	712	
	✗ 105	2372	1139	1965	1952	2030	722	
	✓ 106	2379	715	1802	1781	1999	722	
	✓ 107	2364	971	1781	1749	2010	723	
	✗ 108	2372	1140	1900	1925	2029	722	
23.8	✓ 109	2379	715	1769	1759	2005	736	
24.4	✗ 110	2445	643	1922	1920	2005	723	
	✓ 111	2455	930	1702	1693	2002	722	
24.6	✓ 112	2460	469	1808	1772	2002	726	
	✓ 113	2472	942	1189	1212	2010	722	
	✓ 114	2475	1012	1841	1818	1995	725	
24.8	✓ 115	2496	502	1535	1531	2010	732	
	✓ 116	2495	505	1735	1705	2001	726	
	✓ 117	2493	969	1581	1539	1998	725	
25.0	✓ 118	2505	568	1843	1830	2000	728	
	✓ 119	2500	891	1712	1700	2010	725	
	✗ 120	2500	952	1882	1849	2000	722	
25.2	✓ 121	2525	658	1350	1362	1998	723	
25.4	✓ 122	2567	832	1761	1812	2012	729	
Plate finished	13	2080	908	981	—	1991	723	
	1	1721	959	1480	—	1982	712	
	2	—	—	1581	—	1998	721	
	3	—	—	1612	—	2005	722	
	4	—	—	1732	—	1992	722	
	5	—	—	1735	—	1990	720	
	6	—	—	1788	—	2008	722	
	7	—	—	1802	—	1992	732	
	8	—	—	1930	—	1982	722	5.20



Cl.-Dk.	Mean Dggl.-Dk.	Red. Dggl.	Magn.	Remarks
1298	1060	817	663 ✓	
1308	1236	946	842 x	
1277	1070	839	690 ✓	
1287	1042	812	658 ✓	
1307	1190	912	793 x	
1269	1028	810	654 ✓	
1282	1198	933	825 x	
1280	976	762	608 ✓	
1276	1064	835	685 ✓	
1288	478	372	309 ✓	
1270	1105	870	735 ✓	
1278	811	634	465 ✓	
1275	994	779	617 ✓	
1273	845	663	493 ✓	
1272	1108	870	735 ✓	
1285	981	763	605 ✓	
1278	1144	897	770 x	
1275	633	497	371 ✓	
1283	1057	823	671 ✓	
1268	258	204	—	
1270	768	605	—	
1277	860	673	—	
1283	890	693	—	
1270	1010	796	—	
1270	1015	801	—	
1286	1066	829	—	
1260	1070	850	—	
1260	1208	963	—	



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m.m. - RH2489 - July 25, 1932,

Staif	Star	y	x	Defl.	Defl.	cl.	Dr.	Volb
	1s	2081	899	1040	—	1965	667	5.18
	1	1720	928	1418	—	1971	671	
	2	—	—	1518	—	2008	682	
	3	—	—	1588	—	2001	681	
	4	—	—	1688	—	2000	688	
	5	—	—	1721	—	2022	688	
	6	—	—	1769	—	1978	692	
	7	—	—	1750	—	2001	700	
	8	—	—	1858	—	1971	692	
14.2	x 1	1432	750	1858	1882	2002	710	
14.8	✓ 2	1492	1014	1808	1749	1993	707	
15.0	x 3	1505	641	1691	1678	2008	705	
15.2	✓ 4	1528	1068	1891	1912	2002	711	
15.4	✓ 5	1545	672	1873	1897	1992	708	
15.8	✓ 6	1595	550	1863	1867	1990	715	
16.0	✓ 7	1610	630	1905	1878	2001	711	
	✓ 8	1615	843	1725	1742	1992	708	
	✓ 9	1598	850	1829	1801	1991	718	
	✓ 10	1604	885	1918	1902	1982	714	
16.2	✓ 11	1632	1048	1710	1697	2012	716	
16.4	✓ 12	1645	1200	1752	1760	1992	712	
	x 13	1638	1219	1902	1858	1990	715	
16.6	✓ 14	1658	1183	1910	1891	2001	721	
16.8	✓ 15	1687	932	1852	1869	1978	728	
	✓ 16	1683	1015	1805	1782	2000	728	
17.2	✓ 17	1728	492	1692	1643	2008	722	
	✓ 18	1736	570	1578	1542	2008	720	
	✓ 19	1730	1100	1792	1799	1988	718	
17.4	✓ 20	1743	448	1522	1491	2012	721	
17.6	✓ 21	1760	963	1689	1703	1983	720	



Co. Dk.	Diff. Dk.	Rel. Dk.	Magn.	Remarks
1298	373	287	—	
1300	747	574	—	
1326	986	555	—	
1320	907	688	—	
1312	1000	757	—	
1334	1033	776	—	
1286	1077	838	—	
1301	1050	807	—	
1279	1166	912	—	
1292	1160	898	819 <sup>x</sup>	
1286	1071	834	730	
1303	979	751	620 <sup>x</sup>	(not on 800)
1291	1191	924	860 <sup>✓</sup>	
1284	1177	916	846 <sup>✓</sup>	
1275	1150	903	828 <sup>✓</sup>	
1290	1181	918	850 <sup>✓</sup>	
1284	1026	798	679 <sup>✓</sup>	
1273	1097	861	769 <sup>✓</sup>	
1268	1196	944	off curve <sup>✓</sup>	
1296	988	762	633 <sup>✓</sup>	
1280	1044	817	705 <sup>✓</sup>	
1275	1165	914	845 <sup>x</sup>	
1280	1179	921	857 <sup>✓</sup>	
1250	1132	907	831 <sup>✓</sup>	
1272	1066	913	841 <sup>✓</sup>	
1286	946	736	601 <sup>✓</sup>	
1288	840	652	512 <sup>✓</sup>	
1270	1078	849	750 <sup>✓</sup>	
1291	785	607	472 <sup>✓</sup>	
1263	985	775	650 <sup>✓</sup>	



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m.m. - RH 2489 - July 25, 1932.

Strip	Star	y	y	Defl.	Defl.	Ce.	Dk.	volt
	x 22	1779	1032	1891	1868	1993	721	
18.0	✓ 23	1805	1249	1825	1832	2004	725	
18.2	✓ 24	1838	238	1879	1840	2022	719	
18.4	✓ 25	1853	1846	1758	1767	2002	727	
18.6	✓ 26	1876	1012	1802	1869	1996	728	
18.8	✓ 27	1892	242	1858	1922	1982	727	
	✓ 28	1897	325	1852	1847	2025	735	
	✓ 29	1889	398	1921	1910	2018	720	
	✓ 30	1895	420	1910	1905	2015	726	
	✓ 31	1894	766	1713	1701	2001	722	
	✓ 32	1882	858	1822	1848	1981	732	
	✓ 33	1886	1082	1835	1841	1998	733	
	✓ 34	1891	1322	1841	1862	2002	732	
	15	2081	899	1015	—	2000	731	
	1	1720	928	1535	—	1992	730	
	2	—	—	1618	—	1998	732	
	3	—	—	1632	—	1995	728	
	4	—	—	1678	—	2002	729	
	5	—	—	1685	—	1991	728	
	6	—	—	1766	—	1988	736	
	7	—	—	1771	—	1999	734	
	8	—	—	1872	—	1992	740	5.18

m.m. - RH 2489 - July 25 1932

5.18

15	2081	901	921	—	1908	667
1	1720	930	1348	—	1912	678
2	—	—	1415	—	1951	665
3	—	—	1528	—	1949	662
4	—	—	1631	—	1968	662
5	—	—	1641	—	1972	672



Ce. Dk.	Mean Diff. Dk.	Red. Diff.	Magn.	Remarks
1272	1109	910	838 <sup>x</sup>	
1279	1103	864	773 ✓	
1303	1141	876	789 ✓	
1275	1035	812	705 ✓	
1268	1108	874	785 ✓	
1255	1163	928	865 ✓	
1290	1115	864	712 ✓	
1298	1196	922	857 ✓	
1289	1182	919	851 ✓	
1279	985	770	644 ✓	
1249	1103	885	802 ✓	
1265	1105	874	785 ✓	
1270	1120	882	805 ✓	
1269	284	224	—	
1262	805	637	—	
1266	886	701	—	
1267	904	714	—	
1273	949	744	—	
1263	957	757	—	
1252	1030	822	—	
1265	1037	820	—	
1252	1132	905	—	
1241	254	202	—	
1239	675	545	—	
1286	750	583	—	
1287	866	673	—	
1306	969	742	—	
1300	969	745	—	



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m.m. - RH 2489 - July 26, 1952.

Stup	Star	y	x	Defl.	Defl.	Cl.	Dk.	Volh
	1	—	—	1691	—	1966	672	
	7	—	—	1748	—	1978	666	
	8	—	—	1857	—	1973	662	
19.0	✓ 35	1905	1288	1849	1848	1971	672	
19.2	✓ 36	1928	236	1740	1801	1981	675	
	✓ 37	1928	310	1369	1411	2001	682	
	✓ 38	1928	378	1826	1818	2000	681	
	✓ 39	1927	445	1892	1849	1975	673	
	✓ 40	1920	578	1878	1605	1968	682	
	✓ 41	1921	610	1648	1652	1958	691	
	✓ 42	1935	951	1448	1452	1957	690	
19.4	✓ 43	1952	433	1738	1767	1972	681	
	✓ 44	1938	502	1768	1759	1975	690	
	✓ 45	1952	653	1332	1404	1946	685	
	✓ 46	1956	668	1627	1592	1953	700	
	✓ 47	1951	1012	1588	1599	1938	698	
	✓ 48	1949	1018	1782	1765	1961	691	
19.6	✓ 49	1968	610	1389	1342	1959	698	
	✓ 50	1975	794	1765	1752	1941	690	
19.8	✓ 51	1985	248	1758	1775	1948	692	
	✓ 52	1988	1196	1792	1778	1958	695	
20.0	✓ 53	2012	340	1431	1424	1989	692	
	✓ 54	2010	740	1532	1588	1942	693	
20.2	✓ 55	2026	565	1408	1388	1968	691	
	x 56	2021	655	1815	1828	1951	710	
20.4	x 57	2043	341	1832	1850	1968	696	
20.6	✓ 58	2058	918	1709	1718	1941	705	
	✓ 59	2075	1015	1615	1629	1936	702	
	✓ 60	2071	1298	1532	1541	1953	698	
20.8	✓ 61	2098	713	1752	1712	1918	706	



Cl. Dk.	Main Defl.-Dk.	Red. Defl.	Magn.	Remarks
1294	1019	987	—	
1312	1082	825	—	
1311	1195	912	—	
1299	1176	907	820	✓
1306	1095	840	737	✓
1319	708	532	458	✓
1319	1141	863	762	✓
1302	1197	917	830	✓
1286	960	747	630	✓
1267	959	758	641	✓
1261	760	602	509	✓
1291	1071	829	720	✓
1285	1074	837	730	✓
1261	683	541	460	✓
1253	910	725	610	✓
1240	896	723	609	✓
1270	1083	854	755	✓
1261	668	529	450	✓
1257	1068	853	751	✓
1256	1074	856	752	✓
1263	1095	868	768	✓
1277	736	577	488	✓
1249	867	694	583	✓
1277	707	554	470	✓
1241	1112	897	801	x
1272	1145	899	803	x
1233	1006	815	708	✓
1234	920	745	630	✓
1255	838	668	557	✓
1212	1026	846	741	✓



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m.m. - RH2489 - July 25, 1932

Step	Star	y	Y	Defl.	Defl.	Cl.	Dk.	volt
	✓ 62	2083	1082	1752	1771	1922	708	
	✓ 63	2088	1250	1692	1716	1943	708	
21.0	✓ 64	2104	1110	1889	1861	1948	710	
21.2	✓ 65	2120	262	1675	1686	1942	712	
	✓ 66	2133	409	1629	1672	1943	716	
21.4	✓ 67	2155	558	1812	1793	1942	721	
	✓ 68	2140	958	1416	1358	1952	715	
21.6	✓ 69	2165	398	1569	1548	1942	717	
	✓ 70	2170	521	1638	1728	1940	712	
21.8	✓ 71	2184	503	1610	1598	1943	716	
22.0	✓ 72	2208	555	1610	1598	1942	721	
	✓ 73	2208	1153	1690	1692	1943	722	
22.2	✓ 74	2225	898	1728	1702	1948	722	
	✓ 75	2220	1104	1712	1678	1944	720	
22.4	✓ 76	2245	452	1652	1672	1952	726	
	✓ 77	2250	479	1782	1796	1947	731	
	✓ 78	2252	478	1869	1855	1949	732	
	✓ 79	2254	499	1459	1542	1925	722	
	✓ 80	2255	502	1708	1686	1918	738	
	✓ 81	2254	1143	1561	1608	1932	721	
22.6	✓ 82	2272	1002	1652	1702	1929	725	
23.0	✓ 83	2308	742	1768	1841	1918	715	
	✓ 84	2310	832	1815	1772	1920	728	
	✓ 85	2310	846	1588	1610	1911	716	
23.2	✓ 86	2321	1098	1789	1710	1929	732	
23.4	✓ 87	2350	634	1659	1663	1931	736	
23.6	✓ 88	2364	967	1628	1575	1915	738	
23.8	✓ 89	2381	710	1710	1688	1910	722	
	✓ 90	2383	1100	1600	1595	1932	736	
24.4	✓ 91	2440	1048	1575	1572	1928	730	



Cl.-Dr.	Mean Diff.-Dr.	Red. Diff.	Magn.	Remarks
1214	1054	868	768 ✓	
1235	996	807	708 ✓	
1238	1165	862	762 x	
1230	968	787	674 ✓	
1227	934	762	652 ✓	
1201	1081	886	790 ✓	
1237	672	543	462 ✓	
1225	841	686	575 ✓	
1228	971	792	681 ✓	
1227	888	724	610 ✓	
1221	883	723	610 ✓	
1221	969	793	682 ✓	
1226	993	810	702 ✓	
1224	905	738	620 ✓	
1226	936	763	651 ✓	
1216	1068	868	768 x	
1217	1130	929	841 x	
1203	778	646	538 ✓	
1180	959	813	703 ✓	
1211	863	712	605 ✓	
1204	952	791	585 ✓	
1203	1089	905	816 ✓	
1192	1066	894	801 ✓	
1195	883	739	622 ✓	
1197	1018	851	750 ✓	
1190	925	774	662 ✓	
1177	864	735	620 ✓	
1188	977	823	716 ✓	
1196	862	721	609 ✓	
1192	844	705	592 ✓	



92

M. M. - RH 2489 - July 26, 1932.

Strip	Star	y	z	Decl.	Decl.	Cl.	Ik.	volt
24.6	✓ 92	2454	927	1550	1522	1899	741	
	✓ 93	2475	939	1115	1122	1897	730	
	✓ 94	2474	1008	1722	1751	1928	728	
24.8	✓ 95	2495	570	1675	1623	1936	738	
	✓ 96	2502	889	1488	1488	1911	733	
	✓ 97	2495	966	1338	1321	1922	746	
25.0	✓ 98	2498	502	1576	1506	1932	736	
	✓ 99	2502	889	1503	1502	1908	741	
	x 100	2501	950	1718	1714	1916	732	
25.2	✓ 101	2528	651	1212	1153	1901	731	
	10	2081	901	932	—	1910	722	
	1	1720	930	1375	—	1902	742	
Plate finished	2	—	—	1412	—	1909	733	
	3	—	—	1528	—	1907	736	
	4	—	—	1661	—	1916	732	
	5	—	—	1648	—	1911	729	
	6	—	—	1705	—	1899	741	
	7	—	—	1721	—	1918	735	
	8	—	—	1802	—	1891	738	5.15



Cl.-Dr.	Mean Defl.-Dr.	Red. Defl.	Magn.	Remarks
1108	795	687	577 ✓	
1167	388	333	332 ✓	
1200	1008	840	738 ✓	
1198	911	762	650 ✓	
1178	798	641	534 ✓	
1176	584	497	429 ✓	
1196	775	648	540 ✓	
1167	761	652	545 ✓	
1184	984	830	722 ✗	
1170	457	385	362 ✓	
1188	210	177	—	
1160	633	546	—	
1176	679	577	—	
1171	792	676	—	
1184	929	784	—	
1182	919	777	—	
1158	964	833	—	
1183	986	832	—	
1153	1064	923	—	



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Plate very <sup>hazy</sup> m.m. RH 4269 - July 27, 1932.

Strip	Star	y	x	Defl.	Defl.	Cl.	Dk.	volt
	ls	2040	774	765		1002	638	5.02
	1	2202	1082	851		996	639	
	2	—	—	875		1017	638	
	3	—	—	901		1010	642	
	4	—	—	928		1012	651	
	5	—	—	952		1010	648	
	6	—	—	968		1012	651	
	7	—	—	962		991	651	
	8	—	—	1001		1019	652	
14.0	✓ 1	1401	689	932	941	962	653	
14.4	✓ 2	1442	816	892	897	968	652	
14.6	✓ 3	1461	827	829	815	958	655	
15.2	✓ 4	1530	1162	881	890	978	658	
15.6	✓ 5	1576	421	958	961	991	656	
15.8	✓ 6	1594	1088	930	931	972	661	
16.4	✓ 7	1647	1097	938	932	981	664	
17.0	✓ 8	1702	357	902	893	973	660	
	✓ 9	1700	453	938	936	982	668	
	✓ 10	1710	818	842	843	962	664	
	✓ 11	1711	1180	910	902	964	668	
17.6	✓ 12	1760	917	884	873	977	669	
18.8	✓ 13	1880	965	942	943	1000	671	
19.0	✓ 14	1908	1398	893	897	984	672	
19.4	✓ 15	1936	919	940	937	1003	672	
19.6	✓ 16	1970	511	901	891	1008	673	
	✓ 17	1951	967	961	963	1000	672	
	✓ 18	1958	1049	893	872	993	667	
	✓ 19	1961	1093	938	940	997	670	
19.8	✓ 20	1971	279	699	692	962	670	
	21	1970	511	899	874	1012	671	



Cl. Dk.	Magn. Defl.-Dk.	Red. Defl.	Magn.	Remarks
364	127	349	—	
357	212	594	—	
379	237	626	—	
368	259	702	—	
361	277	768	—	
362	304	840	—	
361	317	878	—	
340	311	914	—	
367	349	952	—	
309	283	916	781 ✓	
316	242	766	611 ✓	
303	167	552	431 ✓	
320	228	713	565 ✓	(outside circle)
335	304	908	767 ✓	
311	264	786	631 ✓	
317	271	856	704 ✓	
313	238	760	606 ✓	
314	269	825	671 ✓	
298	178	597	464 ✓	
296	238	804	650 ✓	
308	209	679	535 ✓	
329	271	825	670 ✓	
312	223	715	568 ✓	
331	266	804	650 ✓	
335	223	666	525 ✓	
328	290	884	744 ✓	
325	214	658	518 ✓	
327	269	823	670 ✓	
292	26	089	off curve	



248P-RH 4269 - July 27, 1932:

Strip	Star	$\gamma$	$\chi$	Diff	Diff	Ce	Wk	Volts
	✓ 22	1994	1008	950	937	1002	673	
20.2	✓ 23	2036	267	969	966	1012	670	
20.4	✓ 24	2055	291	934	928	1007	669	
	✓ 25	2060	1063	948	923	999	673	
21.0	✓ 26	2094	493	972	984	1024	673	
21.4	✓ 27	2140	846	950	953	1012	674	
	✓ 28	2155	855	976	970	1010	673	
21.6	✓ 29	2159	296	1002	993	1029	674	
	✓ 30	2162	342	1000	994	1028	678	
21.8	✓ 31	2184	1168	938	928	1007	678	
22.2	✓ 32	2219	813	928	932	1009	676	
	✓ 33	2231	1249	964	965	1017	683	
22.4	✓ 34	2243	648	918	916	997	682	
23.2	✓ 35	2318	1011	963	969	1007	682	
23.4	✓ 36	2323	725	943	966	1022	683	
24.0	✓ 37	2398	1022	922	913	997	690	505
m.m. 24.2	* 38	2425	1200	952	957	992	678	
24.6	✓ 39	2471	1015	910	918	971	680	
h 25.0	40	2516	999	961	962	992	686	
	15	2040	774	771	—	1018	678	
	1	2202	1082	861	—	1002	675	
	2	—	—	879	—	1001	681	
	3	—	—	969	—	1002	682	
	4	—	—	918	—	1002	680	
	5	—	—	963	—	1000	672	
	6	—	—	952	—	1003	668	
	7	—	—	962	—	982	678	
	8	—	—	991	—	1012	672	5.04

Plate finished



Cl.-Dk.	Magn. Defl.-Dk.	Red. Defl.	Magn.	Remarks
329	271	824	671	
342	298	872	725	
338	261	773	621	
326	267	820	665	
351	305	869	720	
338	278	823	671	
337	300	891	750	
355	324	913	781	
350	319	912	778	
329	255	776	621	
333	254	764	611	
334	281	842	690	
315	235	747	597	
325	284	874	730	
339	287	847	708	
307	228	743	591	
314	276	880	736	outside circle
291	234	<sup>805</sup> <del>592</del>	<sup>651</sup> <del>468</del>	
306	276	903	769	outside circle
340	93	301		
327	186	568		
320	198	619		
320	227	710		
322	237	739		
328	291	882		
335	284	848		
304	284	934		
340	319	939		

971  
630  
291



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Images for report

M.M. - RH 3066 - July 28, 1932,

Step	Star	y	x	Defl.	Defl.	Cl.	Dr.	volt.
	1s	2000	744	819	—	1578	606	
	1	2329	907	982	—	1600	612	
	2	—	—	1110	—	1598	614	
	3	—	—	1231	—	1613	615	
	4	—	—	1298	—	1681	625	
	5	—	—	1449	—	1639	624	
	6	—	—	1433	—	1633	626	
	7	—	—	1501	—	1649	633	
	8	—	—	1552	—	1642	632	
15.0	✓ 1	1503	989	1398	1350	1625	639	
15.2	✓ 2	1526	910	1418	1418	1640	643	
15.6	✗ 3	1572	755	1540	1563	1631	647	
16.2	✓ 4	1635	368	1490	1493	1635	655	
16.4	✓ 5	1641	949	1510	1578	1650	660	
16.6	6	1665	482	1500	1497	1628	662	
16.8	✓ 7	1690	1066	1398	1410	1639	665	
17.0	✓ 8	1700	800	1568	1531	1636	666	
17.2	✓ 9	1730	936	1391	1421	1635	670	
17.4	✓ 10	1748	398	1352	1368	1636	671	
17.6	✓ 11	1775	725	1455	1436	1643	670	
	✓ 12	1778	1058	1529	1562	1644	676	
17.8	✓ 13	1788	1253	1482	1465	1651	681	
18.0	✓ 14	1798	538	1467	1512	1650	680	
18.2	✓ 15	1811	1202	1432	1434	1651	681	
18.4	✓ 16	1843	370	1232	1236	1635	679	
	✗ 17	1844	521	1588	1551	1642	683	
18.8	✓ 18	1893	688	1228	1222	1661	682	
19.0	✓ 19	1904	315	1532	1508	1635	682	
	✓ 20	1901	1242	1422	1451	1648	681	
19.4	21	1953	960	1545	1511	1650	688	



Cl.-Dt.	Mean Deg.-Dt.	Red. Deg.	Magn.	Remarks
972	213	219	—	
988	370	375	—	
984	496	504	—	
998	616	617	—	
1006	673	670	—	
1015	825	813	—	
1007	807	803	—	
1016	868	854	—	
1010	920	910	—	
986	735	746	642 ✓	
997	775	778	668 ✓	
984	905	919	820 *	
980	837	854	740 ✓	
990	854	863	750 ✓	
966	836	866	751	
974	739	759	650 ✓	
970	884	912	815 ✓	
965	736	763	656 ✓	
965	689	714	623 ✓	
973	776	798	681 ✓	
968	770	795	680 ✓	
970	793	818	703 ✓	
970	810	836	720 ✓	
970	752	<del>777</del> 777	<del>766</del> 666 ✓	
956	655	581	552 ✓	
959	887	925	830 *	
979	543	555	538 ✓	
953	838	880	770	
967	755	781	670 ✓	
962	840	873	762 ✓	



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m.m. - R H 3066 - July 28, 1932.

and H.S.P.

Step	Stn	y	x	Defl.	Defl. on image	Ce.	Dk.	volt.
19.6	22	1968	1034	1510		1639	1025	500
20.0	23	1960	1090	1547	1522	1636	692	
	24	2010	1074	1518	1498	1631	694	
	25	2000	1084	1430	1400	1612	691	
	26	2011	1110	1479	1466	1632	691	
20.4	27	2039	551	1488	1472	1641	692	
21.2	28	2126	572	1247	1231	1632	692	
21.4	29	2151	733	1474	1467	1622	693	
	30	2140	773	1368	1284	1641	693	
	31	2150	878	1518	1484	1633	701	
21.6	32	2160	1077	1283	1275	1642	700	
	33	2161	1356	1352	1326	1632	702	
21.8	34	2192	1224	1512	1504	1647	702	
22.0	35	2214	690	1343	1373	1637	699	
22.2	36	2219	406	1458	1419	1613	707	
	37	2228	888	1473	1482	1652	702	
22.4	38	2240	1104	1459	1432	1653	701	
	39	2239	1190	1473	1452	1653	700	
22.8	40	2281	685	1150	1028	1627	692	
	41	2288	773	1389	1313	1619	692	
	42	2297	1281	1368	1389	1631	701	
23.0	43	2309	1011	1423	1405	1648	698	
	10	2050	744	909	—	1632	700	
	1	2329	907	1108	—	1643	702	
	2	—	—	1203	—	1611	702	
	3	—	—	1317	—	1622	694	
	4	—	—	1313	—	1649	700	
	5	—	—	1421	—	1641	702	
	6	—	—	1490	—	1632	693	
	7	—	—	1483	—	1637	700	
	8	—	—	1564	—	1633	706	505



ce.-Dk.	<sup>mean</sup> Defl.-Dk.	Red. Defl.	Mean	Remarks
614	485	790	679 ✓	
944	842 ✓	893	790	
937	814	868	754 ✓	
921	724	786	672 ✓	
941	781	836	714 ✓	
949	788	831	715 ✓	
940	547	583	552 ✓	
929	777	837	720	
948	633	668	596 ✓	
932	800	858	741 ✓	
942	579	615	569 ✓	
930	637	687	606 <sup>x</sup> (outside circle)	
945	806	854	741 <sup>x</sup>	
938	684	730	632 ✓	
906	731	807	692	
950	776	818	701 ✓	
902	745	783	672 ✓	
953	762	800	687 ✓	
935	397	425	459 ✓	
927	694	749	643 ✓	
930	677	729	630 ✓	
950	716	754	650 ✓	
932	209	224	—	
941	406	432	—	
909	501	552	—	
928	623	672	—	
949	613	647	—	
939	719	766	—	
939	797	849	—	
937	793	847	—	
927	858	927	—	



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M.M.-RH 3066-July 29, 1932.

Strip	Star	y	x	Defl.	Defl.	Cl.	Dk.	Wkt.
	Is	2000	744	812		1639	618	5.04
	1	2329	908	1048	—	1614	620	
	2	—	—	1100	—	1593	623	
	3	—	—	1291	—	1612	636	
	4	—	—	1282	—	1624	626	
	5	—	—	1411	—	1631	632	
	6	—	—	1468	—	1630	635	
	7	—	—	1472	—	1642	637	
	8	—	—	1555	—	1633	635	
23.4	✓44	2355	642	1391	1318	1621	639	
24.6	✓45	2405	485	1200	1299	1605	640	
24.2	✓46	2419	573	1119	1062	1609	643	
	✓47	2433	661	1126	1118	1625	641	
	✓48	2422	931	1333	1352	1622	646	
	✓49	2419	960	1487	1448	1627	643	
24.6	✓50	2471	533	1451	1459	1609	650	
	✓51	2459	608	1103	1042	1602	647	
24.8	✓52	2489	978	1296	1311	1579	642	
	6	2000	744	839	—	1644	648	
	1	2329	908	1038	—	1625	647	
	2	—	—	1162	—	1588	651	
	3	—	—	1286	—	1609	648	
	4	—	—	1281	—	1622	651	
	5	—	—	1376	—	1620	648	
	6	—	—	1475	—	1611	642	
	7	—	—	1482	—	1615	648	
	8	—	—	1554	—	1612	651	5.00

Plate finished



Co.-Dr.	Magn. Diff.-Dr.	Red. Diff.	Magn.	Remarks
1021	194	190	—	
994	428	431	—	
970	477	492	—	
976	655	672	—	
998	656	658	—	
999	779	780	—	
995	833	838	—	
1005	835	830	—	
998	920	925	—	
982	715	728	625 ✓	
965	610	632	572 ✓	
966	447	463	481 ✓	
984	481	488	499 ✓	
976	696	713	619 ✓	
984	825	838	709 ✓	
959	805	839	710 ✓	
955	425	445	465 ✓	
937	662	707	612 ✓	
996	191	192	—	
978	396	400	—	
937	511	545	—	
961	638	664	—	
971	630	648	—	
972	728	748	—	
969	833	860	—	
967	834	862	—	
961	903	940	—	



28P. Q2 3067 - July 31, 1932

Step	Star	y	x	Defl.	Defl.	cl.	Ik.	volt.
	10	2002	761	868	—	1742	649	520
	1	2320	939	1174	—	1739	652	
	2	—	—	1323	—	1770	653	
	3	—	—	1398	—	1762	653	
	4	—	—	1382	—	1734	662	
	5	—	—	1489	—	1751	650	
	6	—	—	1529	—	1748	658	
	7	—	—	1532	—	1742	656	
	8	—	—	1644	—	1793	657	
14.6	1✓	1460	989	1453	1462	1713	662	
15.0	2✓	1516	1004	1369	1369	1739	662	
15.2	3✓	1538	928	1461	1427	1741	671	
16.4	4✓	1650	966	1533	1550	1741	673	
16.6	5✗	1674	499	1606	1588	1747	682	
17.0	6✓	1700	1081	1464	1353	1758	673	
17.2	7✓	1730	789	1626	1630	1763	682	
	8✓	1710	818	1657	1640	1759	682	
17.4	9✓	1740	347	1573	1562	1743	690	
	10✓	1758	413	1442	1445	1733	691	
	11✓	1740	953	1463	1418	1741	680	
17.8	12✓	1787	1074	1617	1599	1758	683	
	13✓	1790	1079	1553	1579	1752	680	
	14✓	1798	1272	1453	1462	1754	699	
18.2	15✓	1820	1222	1430	1392	1742	683	
18.4	16✓	1851	398	1343	1333	1764	682	
19.0	17✗	1913	332	1609	1608	1762	687	
	18✓	1902	703	1270	1252	1754	690	
	19✓	1910	1257	1398	1394	1763	680	
19.6	20✗	1970	1107	1639	1616	1738	687	
19.8	21✓	1978	1051	1558	1550	1757	688	



Cl.-Dk.	Mean Dk.-Dk.	Red. Dk.	Magn.	Remarks
1093	219	200	—	
1087	522	480	—	
1117	670	601	—	
1109	745	672	—	
1072	720	671	—	
1101	839	761	—	
1090	871	799	—	
1086	876	809	—	
1076	987	918	—	
1051	796	757	650 ✓	
1077	707	657	560 ✓	
1070	773	722	620 ✓	
1068	869	814	711 ✓	
1065	915	859	760 x	
1085	735	683	582 ✓	
1081	946	875	780 ✓	
1077	966	898	808 ✓	
1053	878	833	732 ✓	
1042	753	722	620 ✓	
1061	760	716	609 ✓	
1075	925	851	<sup>50</sup> 715 ✓	
1072	856	797	690 ✓	
1053	759	719	610 ✓	
1059	728	688	588 ✓	
1082	656	606	521 ✓	
1075	921	857	758 x	
1064	571	536	472 ✓	
1083	716	661	565 ✓	
1051	941	894	805 x	
1069	866	810	708 ✓	



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2600- R/H 3067 - July 31, 1932

Strip	Star	y	x	Defl.	Defl.	Cl.	Dk.	volt.
	22✓	1979	1067	1514	1462	1760	682	
20.0	23✓	20109	1101	1527	1506	1769	681	
20.2	24✓	2020	1090	1589	1602	1727	687	
	25✓	2020	1134	1634	1600	1773	690	
20.6	26✓	2072	741	1616	1597	1772	682	
	1s	2002	761	933	—	1754	701	530
	1	2320	939	1203	—	1772	692	
	2	—	—	1395	—	1772	700	
	3	—	—	1438	—	1762	710	
	4	—	—	1447	—	1773	702	
	5	—	—	1522	—	1762	702	
	6	—	—	1588	—	1762	693	
	7	—	—	1549	—	1743	693	
	8	—	—	1663	—	1742	693	

m m - R/H 3067 - July 31, 1932

	1s	2002	761	932	—	1741	682	5.30
	1	2320	939	1171	—	1765	688	
	2	—	—	1292	—	1762	682	
	3	—	—	1457	—	1772	689	
	4	—	—	1472	—	1788	693	
	5	—	—	1519	—	1791	691	
	6	—	—	1589	—	1782	686	
	7	—	—	1608	—	1779	691	
21.2	8	—	—	1691	—	1773	695	
21.2	27✓	2134	589	1353	1372	1791	691	
21.4	28✓	2148	790	1391	1428	1778	692	
21.6	29✓	2160	749	1634	1652	1790	690	
21.8	30✓	2168	1092	1386	1361	1794	695	
21.8	31x	2197	631	1659	1670	1783	691	
22.0	32✓	2200	1242	1610	1621	1805	695	



Cl.-Dk.	Mean Dekl.-Dk.	Red. Depl.	Magn.	Remarks
1077	806	748	640 $\leftarrow$	
1088	835	768	660 $\leftarrow$	
1050	909	866	770 $\leftarrow$	
1083	927	855	754 $\leftarrow$	
1090	924	847	745 $\leftarrow$	
1053	232	220	—	
1080	571	473	—	
1022	695	679	—	
1062	728	691	—	
1071	745	696	—	
1060	820	773	—	
1069	895	737	—	
1050	856	815	—	
1049	970	924	—	
1059	250	236	—	
1077	483	448	—	
1080	610	564	—	
1083	768	708	—	
1095	779	711	—	
1100	828	753	—	
1096	903	824	—	
1082	917	843	—	
1078	996	925	—	
1100	671	610	540 $\leftarrow$	
1086	712	661	574 $\leftarrow$	
1100	953	866	762 $\times$	
1099	679	618	545 $\leftarrow$	
1092	870	796	684 $\times$	
1110	921	829	719 $\leftarrow$	



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m.m. - RH 3067 - July 31, 1932.

Strip	Star	y	z	Defl.	Defl.	Cl.	Dk.	volt
22.2	33 ✓	2223	708	1532	1472	1801	691	
	34 ✓	2233	902	1589	1609	1795	693	
22.4	35 ✓	2245	1206	1598	1573	1782	699	
22.8	36 ✓	2293	701	1219	1192	1788	693	
	37 ✓	2294	791	1545	1581	1776	692	
23.2	38 ✓	2335	374	1429	1469	1758	700	
	39 ✓	2318	1028	1532	1545	1780	700	
23.6	40 ✓	2361	659	1578	1570	1752	691	
24.0	41 ✓	2411	502	1458	1461	1757	698	
24.2	42 ✓	2428	590	1382	1378	1766	700	
24.4	43 ✓	2442	678	1382	1412	1772	701	
24.6	44 ✓	2471	624	1269	1282	1769	698	
24.8	45 ✓	2498	994	1478	1418	1781	702	
Plate Finished	13	2002	761	968	—	1773	704	
	1	2320	939	1188	—	1786	700	
	2	—	—	1349	—	1792	702	
	3	—	—	1439	—	1758	700	
	4	—	—	1421	—	1789	698	
	5	—	—	1552	—	1779	699	
	6	—	—	1587	—	1768	702	
	7	—	—	1585	—	1759	700	
	8	—	—	1678	—	1772	703	5.28



Co. Dr.	Mean Defl. - Dr.	Red. Defl.	Magn.	Remarks
1110	811	730	625 ✓	
1102	906	821	711 ✓	
1093	887	818	707 ✓	
1095	513	468	450 ✓	
1084	871	804	692 ✓	
1058	749	708	608 ✓	
1080	838	796	665 ✓	
1061	883	832	723 ✓	
1059	762	720	617 ✓	
1066	680	638	558 ✓	
1071	696	650	566 ✓	
1071	578	540	495 ✓	
1079	746	691	596 ✓	
1069	264	247	—	
1086	488	449	—	
1090	647	593	—	
1058	739	698	—	
1091	723	662	—	
1080	853	790	—	
1066	885	830	—	
1059	885	836	—	
1069	975	912	—	



JGP-RH #266. Aug 4, 1932.

Strip	Star	y	z	Defl.	Defl.	cl.	Ik.	volt.
	10	2000	779	647	—	874	607	520
	1	2272	1018	711	—	911	612	
	2	—	—	758	—	877	611	
	3	—	—	763	—	892	612	
	4	—	—	812	—	910	608	
	5	—	—	813	—	883	613	
	6	—	—	850	—	908	616	
	7	—	—	850	—	899	616	
	8	—	—	891	—	908	621	
14.4	✓1	1400	1022	805	814	898	618	
15.0	✓2	1504	1037	773	768	902	622	
15.2	✓3	1528	959	803	821	888	622	
16.2	✓4	1631	422	832	825	868	620	
16.8	✓5	1690	1112	814	803	913	622	
17.0	✓6	1700	849	861	864	892	621	
17.2	✓7	1728	378	853	850	884	623	
	✓8	1719	821	852	862	902	623	
	✓9	1730	984	811	810	917	620	
17.4	✓10	1742	444	803	808	898	622	
17.6	✓11	1760	293	873	870	902	620	
	✓12	1771	772	822	826	900	627	
17.8	✓13	1778	1104	892	884	922	625	
	✓14	1780	1109	858	872	933	626	
	✓15	1788	1302	878	872	969	627	
18.0	✓16	1794	607	862	858	897	626	
	✓17	1811	1252	842	841	952	632	
18.4	✓18	1840	419	759	768	914	632	
18.8	✓19	1890	732	762	764	906	642	
19.0	✓20	1901	1288	858	863	954	628	
19.4	✓21	1937	1012	875	890	930	633	



cc. Dr.	Mean Defl. - Dr.	Red. Defl.	Magn.	Remarks
262	40	149	—	
299	99	334	—	
266	147	553	—	
280	151	559	—	
302	204	676	—	
270	200	742	—	
292	234	802	—	
283	234	828	—	
287	250	872	—	
280	192	687	636	
280	148	529	560	
266	190	715	653	
248	208	839	750	
291	186	639	608	
271	241	890	812	
261	229	878	798	
279	234	839	750	
297	190	640	609	
276	184	667	624	
272	252	894	817	
273	197	722	657	
297	263	886	806	
307	239	779	697	
342	248	726	659	
271	234	864	780	
320	210	656	618	
282	132	468	579	
264	121	458	572	
326	232	712	650	
297	249	839	750	



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XJP- R# 4266 - Aug 4, 1932.

Strip	Star	y	x	Defl.	Defl	cl	dt	wet.
	✓22	1953	1008	893	903	928	633	
19.6	✓23	1968	1080	884	883	938	637	
	✓24	1970	1096	868	866	949	639	
20.0	✓25	2010	1120	914	913	942	639	
	✓26	2000	1131	868	879	950	642	
	✓27	2010	1164	896	910	952	641	
	1.5	2000	779	688	—	912	637	
	1	2272	1018	748	—	937	641	
	2	—	—	766	—	917	636	
	3	—	—	797	—	920	638	
	4	—	—	810	—	932	632	
	5	—	—	830	—	906	642	
	6	—	—	858	—	928	641	
	7	—	—	877	—	919	640	
	8	—	—	887	—	914	650	525

XJP- R# 4266 - Aug 8, 1932

	1.5	1999	757	658	—	853	610	
	1	2271	993	728	—	882	612	
	2	—	—	754	—	877	613	
	3	—	—	778	—	872	613	
	4	—	—	801	—	888	614	
	5	—	—	804	—	861	621	
	6	—	—	843	—	882	622	
	7	—	—	857	—	883	623	
	8	—	—	856	—	873	628	
20.4	✓28	2037	575	841	853	890	633	
20.6	✓29	2060	748	843	858	893	628	
21.0	✓30	2098	218	823	817	907	641	
21.2	✓31	2120	597	772	770	898	628	
21.4	✓32	2138	797	797	800	880	632	



Cl.-Dr.	Mean Defl.-Dr.	Red. Defl.	Magn.	Remarks
295	265	899	800	
301	247	823	729	
310	228	736	655	
303	275	908	811	
308	232	754	670	
311	262	844	746	
275	51	186	—	
296	107	361	—	
281	130	463	—	
282	159	564	—	
300	178	593	—	
264	188	713	—	
287	217	756	—	
279	237	850	—	
264	237	898	—	
243	48	197	—	
270	116	430	—	
264	141	534	—	
259	165	638	—	
274	187	683	—	
240	183	763	—	
260	221	851	—	
260	234	902	—	
245	228	932	—	
257	214	833	739	
265	222	838	741	
266	179	673	609	
270	143	524	543	
248	166	669	606	



2 JP-RH 4266 - Aug 8, 1932

Temp	Star	$\mu$	$\gamma$	Defl.	Defl.	Cl.	Dk.	volt
	✓33	2149	901	861	872	896	633	
21.6	✓34	2160	1100	800	802	903	644	
21.8	✓35	2192	1248	887	894	904	648	
22.0	✓36	2211	713	832	832	897	647	
22.2	✓37	2223	920	877	881	904	649	
22.4	✓38	2240	1128	903	883	943	608	
	✓39	2237	1212	892	898	941	647	
22.8	✓40	2280	708	743	741	899	652	
	✓41	2282	797	858	838	906	647	
	✓42	2292	1304	862	858	937	654	
23.0	✓43	2306	1033	862	848	909	650	
23.2	✓44	2322	380	807	813	918	646	
24.0	✓45	2402	509	817	818	891	647	
24.2	✓46	2417	597	767	762	877	643	
	✓47	2430	682	772	781	870	649	
	✓48	2421	953	828	839	888	643	
	✓49	2418	984	852	863	903	644	
24.4	✓50	2440	607	850	857	880	647	
24.6	✓51	2460	629	758	762	871	642	
24.8	✓52	2489	1001	828	823	893	653	
	10	1999	757	709	—	888	647	510
	1	2271	993	754	—	916	643	
	2	—	—	781	—	896	647	
	3	—	—	792	—	892	646	
	4	—	—	822	—	910	647	
	5	—	—	829	—	887	649	
	6	—	—	844	—	911	645	
	7	—	—	853	—	899	652	
	8	—	—	868	—	889	650	



Cl. - Dk.	Mean Defl. - Dk.	Red. Defl.	Magn.	Remarks
263	233	887	787	
259	157	607	566	
286	242	846	748	
250	185	741	659	
255	230	903	804	
287	237	827	732	
294	248	844	747	
247	090	364	<del>682</del> 400	
269	201	777	689	
283	206	728	650	
259	205	792	702	
272	164	604	564	
244	171	702	630	
234	121	517	507	
221	127	575	545	
245	191	780	692	
259	214	827	732	
233	203	873	774	
229	118	516	507	
240	173	722	645	
241	62	257	—	
273	111	407	—	
249	134	538	—	
246	146	594	—	
263	175	666	—	
238	180	757	—	
266	199	748	—	
247	201	814	—	
239	212	913	—	



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Plate very hazy m.m - RH 4265 - Aug 9, 1932.

trip	Star	y	x	Defl.	Defl.	Cl.	Dk.	volt.
	15	1995	736	658	—	796	611	5.10
	1	2291	950	707	—	802	613	
	2	—	—	731	—	792	615	
	3	—	—	758	—	794	622	
	4	—	—	749	—	808	618	
	5	—	—	768	—	802	621	
	6	—	—	785	—	886	622	
	7	—	—	790	—	816	620	
	8	—	—	800	—	816	628	
14.4	1	1452	978	752	768	800	682	
15.0	2	1508	990	747	748	810	630	
15.2	3	1529	922	765	782	813	632	
16.6	4	1665	<del>987</del> <sup>36</sup>	782	780	801	635	
16.8	5	1693	1068	774	772	821	638	
17.2	6	1730	335	782	788	818	636	
	7	1732	939	772	782	828	652	
17.4	8	1748	410	782	786	808	643	
17.6	9	1763	258	791	801	810	642	
17.8	10	1791	1258	791	801	832	646	
18.0	11	1814	1207	782	782	828	652	
18.4	12	1843	972	761	762	822	648	
18.8	13	1886	688	760	752	825	648	
19.0	14	1905	1243	797	801	831	653	
20.0	15	2001	1083	811	792	841	656	
	16	2002	1078	820	826	847	652	
	17	2013	1118	818	825	835	653	
	18	1995	736	709	—	824	650	
	1	2291	950	736	—	836	652	
	2	—	—	770	—	814	653	
	3	—	—	782	—	833	652	



Q.-Dr.	Mean Diff.-Dr.	Red. Diff.	Magn.	Remarks
185	47	254	—	
189	94	497	—	
177	116	656	—	
172	136	792	—	
190	131	690	—	
181	147	812	—	
184	163	886	—	
196	170	868	—	
188	172	915	—	
168	128	762	613 ✓	
180	118	655	534 ✓	
181	142	785	635 ✓	
166	146	880	729 ✓	
183	135	738	594 ✓	
182	149	819	657 ✓	
176	125	711	573 ✓	
165	141	855	704 ✓	
168	154	917	769 ✓	
186	150	807	656 ✓	
176	130	739	595 ✓	
174	114	656	535 ✓	
177	108	611	507 ✓	
178	146	821	670 ✓	
185	146	790	640 ✓	
195	171	878	727 ✓	
182	169	929	783 ✓	
174	59	339	—	
184	84	456	—	
161	117	727	—	
181	130	719	—	



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m.m. - RH 4265 - Aug. 9, 1932.

Strap	Star	y	4	Defl.	Defl	cl.	sk.	volt.
	4	—	—	800	—	841	653	
	5	—	—	792	—	832	658	
	6	—	—	812	—	832	660	
	7	—	—	818	—	842	658	
	8	—	—	829	—	829	658	

31 SP. - RH 4265 - Aug 9, 1932. 570

	1	1995	736	682	—	791	628	
	1	2291	950	723	—	807	633	
	2	—	—	737	—	799	634	
	3	—	—	758	—	808	632	
	4	—	—	766	—	812	638	
	5	—	—	776	—	803	633	
	6	—	—	791	—	810	634	
	7	—	—	797	—	821	642	
	8	—	—	808	—	815	635	
20.4	18	✓ 2040	553	801	803	818	638	
20.6	19	✓ 2067	727	812	808	832	648	
21.0	20	✓ 2103	197	778	772	823	649	
21.2	21	✓ 2127	575	763	768	824	649	
21.4	22	✓ 2140	777	784	782	837	654	
	23	✓ 2152	880	818	821	841	654	
21.6	24	✓ 2163	1078	778	777	841	654	
	25	outside circle 2166	1358	793	792	847	659	
22.0	26	✓ 2198	1226	832	836	852	659	
22.4	27	✓ 2242	1104	787	814	846	660	
	28	✓ 2240	1192	823	834	852	661	
22.8	29	✓ 2285	688	742	749	839	664	
	30	✓ 2289	475	811	816	838	661	
23.0	31	✓ 2310	1012	822	823	847	667	
23.2	32	✓ 2328	358	794	794	846	666	



Co.-Dr.	Mean Defl.-Dr.	Rel. Defl.	Magn.	Remarks
188	147	783	—	
174	134	771	—	
172	152	884	—	
184	160	890	—	
171	171	1000	—	
163	54	331	—	
174	90	517	—	
165	103	625	—	
176	126	716	—	
174	128	736	—	
170	143	842	—	
176	157	893	—	
179	155	866	—	
180	173	962	—	
180	164	912	773 L	
184	162	881	734 L	
174	126	724	587 L	
175	117	669	545 L	
183	129	705	572 L	
187	166	888	742 L	
187	124	664	542 L	
188	133	708	575	
193	175	907	767 L	
186	140	754	611 L	
191	167	875	726 L	
175	82	468	397 L	
177	153	865	715 L	
180	155	862	710 L	
180	128	712	578 L	



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2280- RY 4265 - Aug. 9, 1932.

Step	Star	y	x	Defl.	Defl.	Cl.	Dk.	vol.
23.4	33 ✓	2343	625	811	812	834	667	
23.6	34 ✓	2359	642	813	822	833	656	
23.8	35	2396	608	813	814	833	670	
24.0	36 ✓	2407	485	817	806	833	673	
24.2	37 ✓	2420	573	773	780	832	673	
	38 ✓	2428	932	812	812	841	673	
	39 ✓	2421	962	823	832	843	672	
24.4	40 ✓	2438	660	792	784	830	673	
24.6	41 ✓	2453	608	773	772	832	673	
	10	1995	736	743	—	843	672	570
	1	2291	958	772	—	859	677	
	2	—	—	791	—	841	679	
	3	—	—	801	—	849	673	
	4	—	—	804	—	858	682	
	5	—	—	816	—	848	678	
	6	—	—	832	—	856	681	
	7	—	—	833	—	859	683	
	8	—	—	843	—	853	680	

Plate  
Snatched



Q.-Dr.	Mean Degl.-Dr.	Red. Defl.	Magn.	Remarks
167	145	868	718 ✓	
177	162	916	779 ✓	
163	144	884	738 ✓	
160	139	890	720 ✓	
159	103	648	529 ✓	
168	139	828	675 ✓	
171	156	913	774 ✓	
157	115	734	594 ✓	
159	99	623	513 ✓	
171	71	415	—	
182	95	522	—	
162	112	692	—	
176	127	728	—	
176	122	694	—	
170	138	812	—	
195	151	864	—	
176	150	854	—	
193	163	943	—	



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m.m. - RH 3210 - Aug. 10, 1932.

Step	Star	y	x	Defl.	Defl.	Cl.	Dr.	volt.
	1s	2084	778	668	—	1548	652	5.04
	1	2135	1138	690	—	1572	648	
	2	—	—	742	—	1563	653	
	3	—	—	768	—	1562	657	
	4	—	—	832	—	1600	652	
	5	—	—	962	—	1586	661	
	6	—	—	1162	—	1598	662	
	7	—	—	1228	—	1589	662	
	8	—	—	1492	—	1613	680	
14.0	✓ 1	1400	658	1176	1183	1596	671	
	✓ 2	1408	831	1361	1418	1609	678	
	✓ 3	1414	978	1422	1399	1608	672	
14.2	✓ 4	1426	852	1421	1408	1584	675	
14.4	✓ 5	1455	548	1305	1282	1578	672	
14.8	✓ 6	1486	528	941	871	1563	681	
	✓ 7	1482	585	1428	1450	1575	680	
15.0	✓ 8	1512	750	1092	1083	1589	682	
15.8	✓ 9	1589	635	1391	1382	1558	691	
16.0	✓ 10	1608	507	704	710	1564	688	
	✓ 11	1618	570	1122	1111	1578	691	
	✓ 12	1631	732	748	722	1579	689	
	✓ 13	1628	821	1497	1505	1597	697	
16.6	✓ 14	1666	392	1138	1110	1582	690	
	✓ 15	1667	671	1008	1021	1552	701	
	✓ 16	1692	365	1257	1272	1598	697	
17.2	✓ 17	1729	479	1442	1463	1592	698	
	✓ 18	1723	1065	967	910	1597	699	
17.4	✓ 19	1755	989	928	879	1599	701	
17.6	✓ 20	1771	1005	932	918	1621	700	
17.8	✓ 21	1788	658	1306	1261	1579	701	



Co. - Dk.	Mean Dagl. - Dk.	Red. Dgl.	Magn.	Remarks
896	6	7	—	
924	42	45	—	
910	89	98	—	
911	117	129	—	
948	180	190	—	
925	301	325	—	
936	500	535	—	
927	566	611	—	
933	812	871	—	
925	483	523	712 ✓	
931	712	765	786 ✓	
936	738	789	797 ✓	
909	739	813	807	
906	622	687	758 ✓	
882	225	255	627 ✓	
895	709	848	821 ✓	
907	406	454	693 ✓	
867	695	802	803 ✓	
876	19	22	352 ✓	
887	425	479	699 ✓	
890	46	52	441 ✓	
900	804	894	849 ✓	
892	434	486	702 ✓	
801	313	369	667 ✓	
901	567	630	740 ✓	
894	754	844	820	
897	209	233	615 ✓	
898	203	226	612 ✓	
921	225	244	622 ✓	
898	583	664	751 ✓	



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m.m. - RH 3210 - Aug. 10, 1932

Step	Star	y	x	Defl.	Defl.	Cl.	Dk.	Volt.
	<del>22</del>	1785	1012	1402	1462	1602	700	
18.0	<del>23</del>	1819	279	1205	1208	1601	702	
18.2	<del>24</del>	1826	841	1863	872	1589	701	
	<del>25</del>	1824	897	1398	1332	1573	707	
18.4	<del>26</del>	1855	568	852	801	1593	701	
	<del>27</del>	1853	871	1322	1289	1598	702	
18.6	<del>28</del>	1873	792	1422	1425	1578	712	
18.8	<del>29</del>	1889	421	1857	898	1588	702	
19.0	30	1910	389	1369	1364	1583	708	
	<del>31</del>	1900	722	901	892	1568	710	
19.2	<del>32</del>	1921	1150	1032	1051	1621	708	
19.4	<del>33</del>	1955	1288	782	761	1609	708	
	1s	2084	778	712	—	1581	705	
	1	2135	1138	763	—	1608	708	
	2	—	—	815	—	1598	710	
	3	—	—	829	—	1582	708	
	4	—	—	909	—	1601	712	
	5	—	—	953	—	1585	713	
	6	—	—	1165	—	1593	712	
	7	—	—	1287	—	1589	711	
	8	—	—	1497	—	1618	709	5.00



Cl.-Dk.	Mean Defl.-Dk.	Red. Defl.	Magn.	Remarks
902	732	812	807	
899	504	561	722 ✓	
887	167	188	589 ✓	
866	658	761	789 ✓	
892	125	141	555 ✓	
896	604	675	755 ✓	
866	712	823	812 ✓	
886	176	199	597 ✓	
875	658	752	783 ✓	
858	186	217	607 ✓	
913	334	366	666 ✓	
901	64	71	479 ✓	
876	7	8	—	
900	55	61	—	
888	105	118	—	
874	121	139	—	
889	217	244	—	
872	240	275	—	
881	453	514	—	
878	576	607	—	
909	788	868	—	



NGP- R 443210 - Aug 11, 1932

Stup	Star	y	x	Diff.	Diff.	Cl.	Dk.	Walt.
	15	2084	763	652	—	1516	643	570
	1	2137	1122	685	—	1551	655	
	2	—	—	730	—	1546	657	
	3	—	—	762	—	1538	653	
	4	—	—	813	—	1577	652	
	5	—	—	903	—	1548	654	
	6	—	—	1162	—	1553	652	
	7	—	—	1218	—	1563	662	
	8	—	—	1452	—	1558	658	
19.6	✓ 34	1957	1273	722	723	1578	663	
19.8	✓ 35	1988	1152	1403	1432	1587	667	
	✓ 36	1990	1200	1213	1228	1588	668	
20.0	✓ 37	2000	403	703	712	1563	673	
20.2	✓ 38	2020	499	1418	1427	1566	673	
20.4	✓ 39	2054	687	1027	1038	1547	672	
21.0	✓ 40	2110	480	1312	1409	1566	673	
21.2	✓ 41	2118	617	863	872	1564	672	
	✓ 42	2138	1231	1038	1032	1608	684	
21.6	✓ 43	2160	482	1343	1313	1578	690	
	✓ 44	2171	1082	1000	989	1569	683	
21.8	✓ 45	2194	959	1199	1184	1573	687	
22.0	✓ 46	2205	922	1294	1261	1569	684	
	✓ 47	2200	1268	1419	1432	1573	684	
22.2	✓ 48	2230	861	1152	1076	1559	680	
22.4	✓ 49	2250	560	1338	1417	1562	683	
	✓ 50	2239	604	1404	1380	1548	686	
	✓ 51	2240	1252	1382	1386	1569	688	
	✓ 52	2255	1329	1243	1367	1590	688	
22.8	✓ 53	2281	851	782	743	1558	700	
	✓ 54	2281	861	1303	1372	1558	692	



Co. - Dr.	Mean Diff. - Dr.	Red. Diff.	Magn.	Remarks
893	10	11	—	
896	30	33	—	
895	79	88	—	
885	109	123	—	
925	161	174	—	
894	249	279	—	
901	510	567	—	
901	556	617	—	
900	794	883	—	
915	59	65	477 ✓	
920	757	817	804 ✓	
920	552	601	712 ✓	
890	35	39	423 ✓	
893	749	839	817 ✓	
875	360	412	655 ✓	
893	687	770	781 ✓	
892	196	219	588 ✓	
924	351	381	646 ✓	
788	638	719	757 ✓	
886	311	351	638 ✓	
886	505	570	703 ✓	
885	594	672	732 ✓	
889	742	835	814 x	
879	434	494	680 ✓	
879	695	791	791	
862	706	819	805 ✓	
881	696	791	791 ✓	
902	617	684	744	(outside circle)
858	62	72	487 ✓	
866	680	785	788 ✓	



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2 J.P. RN 3210 - Aug. 11, 1902

Step	Star	y	z	Diff.	Diff.	cl.	De.	volt.
23.0	✓ 55	2300	458	1268	1272	1563	693	
	✓ 56	2300	803	1293	1313	1560	691	
	✗ 57	2309	1253	1418	1461	1572	693	
23.2	✓ 58	2318	1147	1252	1203	1573	702	
23.4	✓ 59	2358	1050	1160	1168	1562	700	
	10	2084	763	710	—	1567	700	
	11	2137	1122	768	—	1571	702	
	12	—	—	825	—	1564	702	
	13	—	—	884	—	1577	703	
	14	—	—	938	—	1570	701	
	15	—	—	1017	—	1572	702	700
	16	—	—	1017	—	1566	702	
	17	—	—	1310	—	1568	698	
	18	—	—	1438	—	1558	703	505
	19	—	—	✓	—	—	—	



Cl. - Dk.	Mean Dekl. - Dk.	Red. Dekl.	Magn.	Remarks
870	577	663	735 ✓	
869	612	705	751 ✓	
879	747	851	825 *	
871	526	604	713 ✓	
862	464	537	693 ✓	
867	10	12	—	
869	66	76	—	
862	123	143	—	
874	181	238	—	
869	237	273	—	
872	317	363	—	
864	531	614	—	
870	612	704	—	
855	735	860	—	



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N. J. P. R. N 3211 - Aug. 12, 1932

Step	Star	y	x	Defl.	Defl.	cc	Dk.	volt.
	10	2088	187	672	—	1620	672	520
	1	2121	1148	704	—	1653	672	
	2	—	—	790	—	1632	672	
	3	—	—	799	—	1638	672	
	4	—	—	830	—	1693	672	
	5	—	—	943	—	1672	678	
	6	—	—	1177	—	1671	672	
	7	—	—	1220	—	1643	670	
	8	—	—	1534	—	1648	681	
14.0	✓1	1403	667	1110	1308	1652	693	
	✓2	1410	839	1423	1498	1650	698	
14.4	✓3	1459	556	1364	1440	1657	706	
	✓4	1429	861	1483	1517	1689	707	
	✓5	1416	553	1418	1502	1660	708	
14.8	✓6	1490	537	892	993	1667	708	
15.0	✓7	1517	758	1072	1292	1662	710	
16.0	✓8	1610	514	733	742	1672	712	
16.2	✓9	1620	519	1179	1322	1652	710	
	✓10	1631	741	763	743	1647	722	
16.6	✓11	1668	401	1162	1320	1658	720	
	✓12	1669	679	1128	1140	1692	738	
16.8	✓13	1680	301	1012	1213	1688	743	
	✓14	1695	372	1360	1548	1681	741	
17.2	✓15	1727	1072	941	959	1683	742	
17.6	✓16	1760	998	881	917	1690	754	
	✓17	1774	1012	972	981	1689	742	
17.8	✓18	1780	487	960	1049	1680	752	
	✓19	1790	667	1358	1425	1678	746	
18.2	✓20	1820	288	1282	1433	1697	752	
	✓21	1829	848	947	958	1649	751	



Note: The field star measurement 131  
 nests which are 200 apart  
 are just so as

	are	just	so as	re measurement
948	1	2		
981	32	33		
960	118	123		
966	127	132		
1021	158	155		
994	265	266		
999	505	506		
973	550	566		
967	853	883		
959	606	632	757 ✓	
952	762	802	801 ✓	
951	696	732	783 ✓	
982	793	808	806 ✓	
952	752	791	792 ✓	
959	234	244	632 ✓	
952	472	497	713 ✓	
960	26	27	412 ✓	
942	540	574	740 ✓	
925	26	28	414 ✓	
938	521	556	733 ✓	
954	396	416	691 ✓	
945	369	380	681 ✓	
940	713	759	790 ✓	
941	207	221	620 ✓	
936	145	155	581 ✓	
947	234	247	633 ✓	
923	252	272	645 ✓	
932	646	694	773 ✓	
945	606	642	760 ✓	
898	201	224	622 ✓	

Due to diff. in size



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32P-RH 3211 - Aug 12, 1932.

Strip	Star	y	x	Diff.	Defl.	cl.	sk.	ult.
	1 <sup>st</sup>	2088	787	748	—	1711	742	525
	1	2121	1148	783	—	1681	747	
	2	—	—	851	—	1634	747	
	3	—	—	882	—	1652	740	
	4	—	—	902	—	1701	748	
	5	—	—	1002	—	1692	747	
	6	—	—	1212	—	1678	747	
	7	—	—	1261	—	1673	742	
	8	—	—	Not seen				

m.m. - RH 3211 - Aug. 12, 1932.

	ls	2088	790	692	—	1612	689	5.18
	1	2121	1152	749	—	1648	688	
	2	—	—	825	—	1662	693	
	3	—	—	888	—	1644	700	
	4	—	—	898	—	1651	705	
	5	—	—	1022	—	1681	702	
	6	—	—	1242	—	1672	706	
	7	—	—	1263	—	1671	711	
	8	—	—	—	—	—	—	
18.4	✓22	1859	581	903	915	1675	719	
18.6	✓23	1875	804	1582	1569	1689	725	
18.8	✓24	1892	432	998	1039	1702	725	
19.0	✓25	1902	732	1012	1029	1700	734	
19.2	✓26	1922	1162	1172	1178	1704	736	
19.6	✓27	1959	1301	768	772	1712	732	
19.8	✓28	1992	1325	1335	1398	1741	741	
20.0	✓29	2002	429	838	832	1698	732	
20.4	✓30	2053	710	1256	1238	1672	739	
21.0	✓31	2118	640	10320	1035	1688	741	
21.4	✓32	2139	1266	1158	1222	1672	734	



Cl. - Dr.	Mean Deff. - Dr.	Red. Deff.	Magn.	Remarks
969	6	6	—	
934	36	39	—	
887	104	117	—	
912	142	156	—	
953	154	162	—	
945	255	270	—	
931	465	499	—	
931	519	558	—	
923	3	3	—	
960	61	64	—	
969	132	133	—	
944	188	199	—	
946	193	204	—	
979	320	327	—	
966	536	555	—	
960	552	575	—	
956	190	199	585 ✓	
964	847	879	ff curve ✓	
977	293	300	638 ✓	
966	286	296	636 ✓	
968	439	454	696 ✓	
980	38	39	409 ✓	
1000	625	625	755 ✓	
966	103	107	512 ✓	
933	508	545	730 x	
947	283	310	642 ✓	
938	456	486	708 ✓	



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m.m. - RH 3211 - Aug. 12, 1932.

Step	Star	y	x	Diff.	Diff.	Cl.	Dk	uolt
21.6	✓ 33	2162	507	1493	1555	1682	735	
	34	2175	1108	1128	1200	1662	738	
21.8	✓ 35	2195	985	1368	1378	1649	741	
22.2	✓ 36	2232	888	1318	1253	1648	743	
22.4	✓ 37	2242	1278	1472	1525	1678	745	
22.8	38	2285	878	892	873	1631	748	
	✓ 39	2285	888	1428	1461	1625	742	
23.0	✓ 40	2300	481	1482	1510	1692	748	
	✓ 41	2301	832	1432	1481	1658	752	
23.2	✓ 42	2318	1172	1361	1432	1689	754	
23.4	✓ 43	2357	1072	1322	1351	1678	748	
	<del>44</del>	<del>2350</del>	<del>1073</del>	<del>1328</del>	<del>1372</del>	<del>1672</del>	<del>752</del>	
24.4	✓ 44	2441	498	1378	1406	1728	753	
24.6	✓ 45	2462	575	1472	1450	1688	758	
25.0	✓ 46	2509	914	1439	1448	1678	748	
Plate finished	15	2088	790	753	—	1652	750	
	1	2121	1152	792	—	1675	758	
	2	—	—	869	—	1662	748	
	3	—	—	902	—	1622	745	
	4	—	—	932	—	1654	732	
	5	—	—	1028	—	1662	745	
	6	—	—	1210	—	1666	742	
	7	—	—	1257	—	1661	740	
	8	—	—	—	—	—	—	5.16



cl. - Dk.	Mean Diff. - Dk.	Rad. Diff.	Magn.	Remarks
947	789	833	off curve ✓	
924	426	461	699 ✓	
908	632	696	779 ✓	
905	543	601	749 ✓	
933	753	807	826 ✓	
883	134	152	552 ✓	
883	702	795	820 ✓	
944	748	792	819 ✓	
906	704 ✓	777	812 ✓	
935	642	687	777 ✓	
930	588	632	759 ✓	
912	67			
975	639	656	766 ✓	
1036	703	682	774 ✓	
1030	696	675	772 ✓	
902	3	3	—	
917	34	37	—	
914	121	123	—	
877	157	179	—	
922	200	217	—	
917	283	309	—	
924	468	507	—	
921	517	562	—	



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m. m. - RH 3292 - Aug. 13, 1932.

Step	Star	y	x	Defl.	Defl.	Cl.	Sk.	volt
	k	2065	781	761	—	1598	665	5.10
	1	2152	1135	792	—	1642	672	
	2	—	—	832	—	1635	681	
	3	—	—	978	—	1642	678	
	4	—	—	1020	—	1679	681	
	5	—	—	1135	—	1648	697	
	6	—	—	1348	—	1678	682	
	7	—	—	1445	—	1681	688	
	8	—	—	1542	—	1669	691	
14.0	✓ 1	1408	671	1390	1338	1698	693	
	✓ 2	1412	842	1503	1489	1715	692	
14.2	✓ 3	1432	864	1453	1508	1719	693	
	✓ 4	1421	952	1512	1535	1705	696	
	✓ 5	1420	989	1488	1491	1721	701	
14.6	✓ 6	1460	539	1462	1459	1705	704	
14.8	✓ 7	1493	540	1128	1110	1704	705	
	✓ 8	1489	598	1588	1582	1708	712	
	✓ 9	1481	891	1600	1621	1712	712	
	✓ 10	1492	540	1152	1202	1721	715	
	✓ 11	1482	598	1572	1592	1702	721	
	✓ 12	1480	890	1612	1651	1702	722	
15.2	✓ 13	1519	762	1275	1309	1691	720	
16.0	✓ 14	1612	578	941	935	1692	721	
16.2	✓ 15	1624	523	1302	1278	1705	722	
	✓ 16	1636	745	898	892	1702	733	
16.6	✓ 17	1670	405	1275	1271	1688	730	
	✓ 18	1674	682	1193	1265	1695	732	
16.8	✓ 19	1683	307	1212	1205	1672	723	
17.0	✓ 20	1700	378	1406	1446	1681	741	
17.2	✓ 21	1728	1078	1132	1119	1702	738	



Cl.-Dk.	Mean Dsp.-Dk.	Red. Dsp.	Magn.	Remarks
933	96	103	—	
970	120	124	—	
954	151	158	—	
964	300	311	—	
998	339	340	—	
951	438	461	—	
996	666	669	—	
993	757	763	—	
978	851	871	—	
1005	671	667	700 ✓	
1023	804	785	761 ✓	
1026	787	767	748 ✓	
1009	828	820	787 ✓	
1020	789	773	753 ✓	
1001	756	755	741 ✓	
999	414	414	620 ✓	
996	373	376	840 ✓	
1000	898	898	861 ✓	
1006	462	459	638 ✓	
981	861	879	842 ✓	
980	910	929	off curve + (removed)	
971	572	584	676 ✓	
971	217	222	515 ✓	
983	568	578	672 ✓	
969	162	167	462 ✓	
958	543	567	669 ✓	
963	497	517	655 ✓	
949	485	511	653 ✓	
940	684	728	727 ✓	
964	388	403	615 ✓	



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M.M. - RH 3292 - Aug. 13, 1932

Strip	Star	y	+	Defl.	Defl	Cl.	Dk.	volt
17.6	✓ 22	1778	252	1265	1345	1682	732	
	✓ 23	1761	1000	1168	1078	1712	738	
	✓ 24	1777	1018	1208	1182	1698	728	
17.8	✓ 25	1783	490	1130	1072	1678	745	
	x 26	1792	1023	1548	1482	1691	742	
	x 27	1793	1025	1492	1541	1692	748	
	✓ 28	1825	292	1339	1315	1673	741	
	29	1831	852	1108	1032	1698	738	
	✓ 30	1830	910	1438	1482	1712	743	
18.6	31	1871	444	1518	1532	1678	740	
	✓ 32	1861	580	1072	1092	1675	742	
	✓ 33	1859	882	1466	1452	1678	746	
18.8	✓ 34	1895	433	1072	1048	1655	745	
19.0	✓ 35	1905	732	1082	1068	1666	748	
19.2	✓ 36	1928	1162	1212	1194	1699	743	
19.6	✓ 37	1962	1301	915	902	1690	752	
20.0	✓ 38	2007	430	861	868	1668	753	
20.2	✓ 39	2025	532	1492	1472	1661	747	
21.2	✓ 40	2122	642	1071	1094	1642	751	
21.4	✓ 41	2142	1258	1222	1208	1692	742	
21.6	✓ 42	2165	508	1402	1418	1648	741	
22.0	✓ 43	2204	949	1347	1378	1642	752	
	✓ 44	2199	985	1432	1352	1652	747	
22.4	x 45	2245	541	1457	1462	1658	745	
	✓ 46	2237	889	1272	1242	1636	742	
22.8	✓ 47	2289	878	869	862	1649	740	
	✓ 48	2289	888	1378	1390	1640	758	
23.0	✓ 49	2302	482	1398	1408	1632	749	
	✓ 50	2305	830	1392	1361	1632	746	
23.2	x 51	2331	598	1475	1495	1615	761	



Cl. Dr.	Mean Diff. Dr.	Red. Diff.	Magn.	Remarks
950	573	603	680 ✓	
974	385	396	<del>494</del> 612 ✓	
970	467	482	645 ✓	
933	356	382	605 ✓	
949	773	815	783 faint	
944	768	814	7842	
932	586	629	689 ✓	
960	332	346	591 ✓	
969	717	741	732 ✓	
<del>938</del>	785	<del>838</del> 857	<del>742</del> 800 ✓	
933	340	364	582 ✓	
932	713	765	747 ✓	
910	315	347	591 ✓	
918	327	356	596 ✓	
966	460	481	645 ✓	
938	156	166	461 ✓	
913	109	119	376 ✓	
914	735	805	775 ✓	
891	331	372	602 ✓	
950	473	498	649 ✓	
907	669	738	731 ✓	
890	610	685	707 ✓	
905	645	713	720 ✓	
913	715	783	760 ✓	
894	515	576	672 ✓	
909	126	139	421 ✓	
882	626	751	739 ✓	
883	654	741	733 ✓	
886	630	712	720 ✓	
854	724	848	811*	



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m.m. - RH 3292 - Aug. 13, 1932

Stuf	Star	y	r	Defl.	Defl.	cl.	Dk.	volt
	✓ 52	2322	1172	1303	1362	1641	747	
25.0	✓ 53	2512	918	1391	1428	1633	749	
	15	2065	781	818	—	1628	752	
	1	2152	1135	908	—	1662	742	
	2	—	—	991	—	1635	748	
	3	—	—	1032	—	1632	747	
	4	—	—	1142	—	1655	748	
	5	—	—	1172	—	1635	748	
	6	—	—	1398	—	1658	742	
	7	—	—	1448	—	1659	747	
	8	—	—	1570	—	1642	742	5.02

Plate finished



ce.-dk.	Mean Defl.-dk.	Red. Defl.	Magn.	Remarks
894	585	654	697 ✓	
884	661	748	737 ✓	
876	66	76	—	
920	166	181	—	
887	243	274	—	
885	285	322	—	
907	394	434	—	
887	424	478	—	
916	656	716	—	
912	701	768	—	
900	768	854	—	



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m.m. - 12143293 - Aug. 15, 1932.

Step	Star	y	x	Def.	Def.	Cl.	Sk.	volt.
	13	2058	764	905	—	1692	712	5.02
	1	2129	1120	1052	—	1712	708	
	2	—	—	1161	—	1693	710	
	3	—	—	1212	—	1706	712	
	4	—	—	1238	—	1758	718	
	5	—	—	1375	—	1728	722	
	6	—	—	1515	—	1735	725	
	7	—	—	1565	—	1742	728	
	8	—	—	1621	—	1723	725	
13.8	1✓	1397	632	1511	1522	1759	722	
14.0	2✓	1402	803	1628	1578	1748	735	
	3✓	1409	920	1562	1578	1752	738	
	4✓	1410	952	1601	1643	1769	731	
14.2	5✓	1422	828	1648	1632	1762	738	
14.4	6✓	1451	521	1589	1575	1758	732	
14.6	7✓	1471	852	1641	1688 <small>slight amount across image</small>	1752	737	
14.8	8✓	1481	502	1432	1397	1750	738	
	9✓	1479	560	1652	1682	1750	742	
15.0	10✓	1510	723	1458	1482	1745	740	
15.8	11✓	1585	610	1637	1625	1748	742	
16.0	12✓	1603	481	1082	1092	1735	743	
	13✓	1613	485	1461	1462	1728	742	
16.2	14✓	1627	708	1172	1203	1725	745	
	15✓	1626	794	1643	1666	1731	743	
16.6	16✓	1672	268	1400	1400	1714	747	
	17✓	1661	368	1478	1482	1722	745	
	18✓	1662	644	1432	1375	1739	751	
16.8	19✓	1689	338	1572	1582	1725	752	
17.2	20✓	1720	1039	1349	1325	1752	758	
17.4	21✓	1753	963	1219	1208	1748	749	



cl.-Dk.	Mean Dgl.-Dk.	Red. Dgl.	Mag.	Remarks
980	193	197	—	
1004	344	342	—	
983	451	459	—	
994	500	503	—	
1040	520	500	—	
1006	653	649	—	
1010	790	782	—	
1014	837	825	—	
998	896	899	—	
1037	794	766	701 ✓	
1013	867	855	766 ✓	
1014	832	820	736 ✓	
1038	891	859	770 ✓	
1074	902	880	791 ✓	
1026	850	822	741 ✓	
1015	927	913	831 ✓	
1012	676	667	654 ✓	
1008	925	918	839 ✓	
1005	730	726	683 ✓	
1006	889	883	794 ✓	
992	344	347	444 ✓	
986	720	731	686 ✓	
980	443	452	543 ✓	
988	911	923	847 ✓	
967	653	676	658 ✓	
977	735	753	697 ✓	
987	653	662	651 ✓	
973	780	802	723 ✓	
994	579	583	617 ✓	
999	465	456	546 ✓	



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m.m. - RH3293 - Aug. 15, 1932.

Strip	Star	y	x	Defl.	Defl.	Cl.	Dk.	note
17.6	22 ✓	1768	202	1258	1482	1709	753	
	23 ✓	1775	452	1352	1358	1728	758	
	24 ✓	1767	979	1306	1289	1741	752	
	25 ✓	1782	632	1512	1638	1710	755	
18.0	26 ✓	1803	748	1610	1628	1725	758	
	26 ✓	1812	252	1510	1548	1722	761	
18.2	28 ✓	1820	815	1562	1301	1708	762	
	29 ✓	1820	870	1572	1572	1742	761	
18.4	30 ✓	1853	543	1289	1298	1722	753	
	31 ✓	1850	843	1621	1542	1703	766	
18.6	32 ✓	1868	767	1642	1651	1710	762	
	33 ✓	1862	1110	1600	1604	1732	760	
18.8	34 ✓	1885	405	1328	1326	1722	768	
	35 ✓	1895	693	1342	1318	1715	762	
19.0	36 ✓	1904	365	1599	1562	1710	768	
	37 ✓	1917	1122	1353	1391	1702	760	
19.4	38 ✓	1953	1260	930	923	1732	769	
19.8	39 ✓	1982	1149	1569	1572	1721	775	
	40 ✓	1985	1289	1468	1447	1724	765	
	1s	2058	764	968	—	1699	764	
	1	2129	1120	1097	—	1710	766	
	2	—	—	1145	—	1684	768	
	3	—	—	1195	—	1692	771	
	4	—	—	1251	—	1715	762	
	5	—	—	1408	—	1682	765	
	6	—	—	1518	—	1700	769	
	7	—	—	1554	—	1702	772	
	8	—	—	1606	—	1686	767	4.98



Cl.-Dk.	mean Dopl.-Dk.	Red. Dopl.	Magn.	Remarks
956	617	646	645 ✓	
970	597	616	631 ✓	
989	546	552	603 ✓	
955	770	806	726 ✓	
967	861	891	803 ✓	
961	768	798	720 ✓	
946	570	603	625 ✓	
981	811	827	741 ✓	
961	541	563	608 ✓	
937	826	882	793 ✓	
948	884	933	862 ✓	
972	842	866	777 ✓	
954	559	586	617 ✓	
953	568	597	621 ✓	
942	812	862	773 ✓	
942	612	649	646 ✓	
963	157	163	off curve	
946	795	841	752 ✓	
959	693	723	682 ✓	
935	202	216	—	
944	331	351	—	
916	377	412	—	
921	424	460	—	
953	489	513	—	
917	632	689	—	
931	749	804	—	
930	782	841	—	
919	839	913	—	



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Step	Star	y	x	Defl.	Defl.	ce	Dr	vert.
	10	2058	764	861		1723	667	520
	1	2129	1120	1025	-	1763	673	
	2	-	-	1128	-	1736	672	
	3	-	-	1203	-	1738	673	
	4	-	-	1207	-	1778	681	
	5	-	-	1398	-	1757	678	
	6	-	-	1534	-	1752	682	
	7	-	-	1562	-	1773	685	
	8	-	-	1658	-	1762	684	
20.0	41✓	1998	391	1042	1022	1767	670	
20.2	42✓	2017	498	1610	1633	1792	690	
21.0	43✓	2105	467	1609	1582	1768	700	
	44✓	2111	603	1310	1264	1773	700	
21.2	45✓	2131	1218	1373	1357	1812	697	
21.6	46✓	2157	469	1543	1563	1782	702	
	47✓	2170	1069	1347	1328	1788	703	
21.8	48✓	2190	948	1443	1467	1793	704	
22.2	49✓	2234	603	1586	1609	1812	709	
	50✓	2228	850	1412	1420	1792	704	
	51✓	2237	1240	1631	1603	1788	706	
22.8	52✓	2294	443	1567	1539	1783	702	
	53✓	2280	839	1060	1052	1754	707	
	54✓	2280	849	1553	1520	1772	712	
23.0	55✓	2298	792	1520	1542	1762	703	
	56✓	2312	1123	1452	1464	1783	712	
	57✓	2303	1240	1611	1623	1792	710	
23.4	58✓	2344	1036	1460	1472	1794	713	
24.4	59✓	2436	461	1509	1522	1758	710	
24.6	60	2458	478	1527	1532	1779	713	
25.0	61	2502	878	1492	1514	1760	712	



$\alpha$ - DR	Mean Depl-DR	Red. Depl.	Magn.	Remarks
1056	194	183	—	
1090	352	322	—	
1064	556	521	—	
1065	530	497	—	
1097	526	479	—	
1079	720	667	—	
1090	852	796	—	
1088	877	807	—	
1078	974	904	—	
1097	362	330	447 ✓	
1102	932	845	771 ✓	
1068	896	840	765 ✓	
1073	587	547	590 ✓	
1115	660	591	614 ✓	
1080	851	788	723 ✓	
1085	635	584	611 ✓	
1089	751	690	667 ✓	
1103	889	805	737 ✓	
1088	712	655	648 ✓	
1082	911	841	767 ✓	
1081	861	796	729 ✓	
1047	349	333	450 ✓	
1060	824	777	717 ✓	
1059	828	782	728 ✓	
1071	846	790	725 ✓	
1082	907	932	882 (Just off curve) ✓	
1081	753	696	669 ✓	
1048	806	769	710 ✓	
1066	817	766	708 ✓	(edge of circle)
1038	791	762	706 ✓	



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SPP-RH 3293 - Aug. 16, 1932

Step	Star	y	z	Defl.	Defl.	cl.	dk.	volt.
Plate finished	15	2058	764	909	—	1767	720	525
	1	2129	1120	1054	—	1788	730	
	2	—	—	1158	—	1768	720	
	3	—	—	1232	—	1772	722	
	4	—	—	1282	—	1788	730	
	5	—	—	1402	—	1782	725	
	6	—	—	1542	—	1782	720	
	7	—	—	1570	—	1779	723	
	8	—	—	1667	—	1763	720	

SPP-RH 3301 - Aug. 17, 1932.

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	15	2115	887	693	—	1802	682	
	1	1830	1112	793	—	1807	673	
	2	—	—	813	—	1816	682	
	3	—	—	862	—	1817	683	
	4	—	—	922	—	1832	683	
	5	—	—	1071	—	1848	680	
	6	—	—	1256	—	1865	686	
	7	—	—	1418	—	1862	690	
	8	—	—	1632	—	1882	698	
14.2	1	1423	856	1293	1273	1863	698	
14.6	2	1470	863	1602	1626	1864	701	
14.8	3	1490	548	1464	1526	1852	692	
	4	1490	837	1533	1523	1853	700	
15.0	5	1507	717	838	852	1843	701	
	6	1500	766	770	770	1847	703	
	7	1498	849	1318	1273	1858	697	
	8	1510	978	1620	1590	1848	702	
	9	1499	1027	1222	1238	1847	703	
15.2	10	1534	551	1584	1528	1833	706	
15.4	11	1553	407	1202	1248	1880	703	



$\alpha$ -Dr.	Mean Diff.-Dr.	Red. Diff.	Magn.	Remarks
1047	189	181	—	
1058	324	307	—	
1048	438	418	—	
1050	610	582	—	
1058	552	523	—	
1057	677	642	—	
1062	822	773	—	
1056	847	803	—	
1043	947	907	—	
1120	11	1	—	
1134	120	90	—	
1134	131	91	—	
1134	179	158	—	
1149	239	208	—	
1167	391	335	—	
1179	570	483	—	
1172	728	620	—	
1184	934	788	—	
1165	585	502	701	
1163	913	785	827	
1160	803	692	782	
1153	828	717	792	
1142	139	121	523	
1144	67	58	423	
1161	599	515	706	
1146	903	788	828	
1144	527	461	681	
1127	850	754	809	
1177	522	444	678	



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2/20-04 3301- Aug. 17, 1933

Strip	Star	y	x	Depl.	Depl.	Cl.	Dr.	volt
	12	1555	648	1632	1642	1857	708	
	13	1540	908	877	834	1832	706	
15.6	14	1570	1177	1569	1552	1873	711	
15.8	15	1597	369	1640	1620	1887	716	
(14a)	16	1597	387	1362	1384	1894	716	
	17	1577	452	1322	1342	1852	718	
	18	1592	837	1283	1288	1852	713	
	19	1588	1249	1664	1584	1866	720	
16.0	20	1611	628	1210	1232	1856	722	
	21	1612	802	1020	967	1823	720	
16.2	22	1630	673	1577	1613	1866	722	
	23	1610	678	1746	1703	1858	725	
	24	1611	692	1692	1656	1853	723	
	25	1620	815	763	758	1862	722	
	26	1618	960	1448	1472	1848	727	
16.4	27	1640	398	1643	1658	1887	733	
	28	1640	469	1172	1177	1867	733	
	29	1655	583	1382	1364	1853	730	
	30	1630	680	1622	1598	1865	730	
	31	1640	970	833	807	1853	730	
	32	1650	992	1487	1503	1822	724	
	10	2115	887	753	—	1818	723	525
	1	1830	1112	833	—	1792	729	
	2	—	—	882	—	1779	732	
	3	—	—	942	—	1780	730	
	4	—	—	1012	—	1763	734	
	5	—	—	1162	—	1786	732	
	6	—	—	1287	—	1804	743	
	7	—	—	1342	—	1783	732	
	8	—	—	1565	—	1782	734	



Co.-Dr.	Mean Defl.-Dr.	Red. Defl.	Magn.	Remarks
1149	929	808	841	
1126	150	133	534	
1162	849	729	798	
1171	914	780	823	
1178	651	553	722	
1194	614	541	718	
1139	573	504	702	
1146	904	789	829	
1134	499	439	675	
1103	274	248	602	
1144	873	762	813	
1133	999	880	off curve	
1130	901	796	832	
1140	38	33	344	
1121	733	653	763	
1154	917	794	831	
1124	441	392	656	
1103	643	581	732	
1135	880	774	820	
1105	86	78	463	
1098	771	703	787	
1085	20	18	—	
1063	104	97	—	
1047	150	143	—	
1050	212	202	—	
1029	278	270	—	
1054	430	407	—	
1061	544	512	—	
1051	610	580	—	
1048	831	794	—	



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Notes:

14.2-16.4 repeated by mistake.

m.m. - RH 3301 - Aug. 18, 1932.

Strip	Star	y	z	Defl.	Defl.	Cl.	Sh.	net
	1s	2115	887	572	—	1645	552	5.24
	1	1830	1112	665	—	1642	548	
	2	—	—	688	—	1648	542	
	3	—	—	718	—	1646	548	
	4	—	—	832	—	1672	547	
	5	—	—	972	—	1672	549	
	6	—	—	1175	—	1695	531	
	7	—	—	1323	—	1682	535	
	8	—	—	1472	—	1689	562	
14.2	✓ 1	1425	855	1148	1130	1678	578	
14.8	✓ 2	1489	548	1348	1325	1658	575	
	✓ 3	1491	836	1365	1421	1675	558	
	✓ 4	1496	849	1232	1245	1697	561	
15.0	✓ 5	1505	716	732	725	1658	560	
	✓ 6	1510	750	1421	1432	1695	562	
	✓ 7	1498	766	650	718	1672	561	
	✓ 8	1508	978	1448	1475	1689	562	
	✓ 9	1497	1026	1142	1108	1672	561	
15.2	✓ 10	1533	551	1308	1401	1665	562	
15.4	✓ 11	1553	486	1051	1071	1701	565	
	✓ 12	1541	899	711	732	1701	568	
15.6	✓ 13	1575	452	1192	1215	1705	582	
15.8	✓ 14	1595	372	1452	1502	1708	578	
16.0	✓ 15	1611	628	1052	1055	1682	572	
	✓ 16	1610	802	818	832	1682	581	
	✓ 17	1618	816	622	631	1678	579	
	✓ 18	1617	960	1361	1331	1644	581	
16.2	✓ 19	1619	817	632	640	1648	583	
16.4	✓ 20	1638	468	1002	982	1658	581	
	✓ 21	1653	582	1251	1222	1669	578	



ce.-dk	Mean Diff.-dk.	Red. Diff.	magn.	Remarks
1093	20	18	—	
1094	117	107	—	
1106	146	132	—	
1098	170	142	—	
1125	285	252	—	
1123	423	376	—	
1144	624	545	—	
1127	768	683	—	
1127	910	807	—	
1110	571	514	691 <sup>✓</sup>	
1093	771	705	766 <sup>✓</sup>	
1119	835	748	789 <sup>✓</sup>	
1136	667	587	716 <sup>✓</sup>	
1098	168	153	548 <sup>✓</sup>	
1133	864	762	800 <sup>✓</sup>	
1111	123	111	505 <sup>✓</sup>	
1127	900	799	823 <sup>✓</sup>	
1111	564	507	690 <sup>✓</sup>	
1103	792	717	771 <sup>✓</sup>	
1136	496	437	662 <sup>✓</sup>	
1233	154	125	522 <sup>✓</sup>	
1123	622	553	705 <sup>✓</sup>	
1130	899	795	820 <sup>✓</sup>	
1110	482	434	(722) 661 <sup>✓</sup>	see page 150 — star 16
1101	244	221	580 <sup>✓</sup>	
1099	47	43	348 <sup>✓</sup>	
1063	765	719	773 <sup>✓</sup>	
1065	53	50	370 <sup>✓</sup>	
1077	411	382	644 <sup>✓</sup>	
1091	658	602	722 <sup>✓</sup>	



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m.m. - RH 3301 - Aug. 18, 1932,

Strip	Star	y	x	Diff	Diff	Cl.	Dr.	vol.
	✓ 22	1638	970	682	695	1632	581	
	✓ 23	1648	991	1359	1342	1661	583	
16.6	✓ 24	1656	1113	1352	1263	1631	589	
	✓ 25	1666	1233	1075	1138	1628	585	
	✓ 26	1663	1238	1406	1448	1639	586	
	15	2115	887	602	—	1618	572	
	1	1830	1112	658	—	1665	581	
	2	—	—	692	—	1615	580	
	3	—	—	799	—	1592	582	
	4	—	—	879	—	1596	581	
	5	—	—	963	—	1589	591	
	6	—	—	1158	—	1622	583	
	7	—	—	1248	—	1611	588	
	8	—	—	1398	—	1610	602	5.18

m.m. - RH 3301 - Aug 23 1932

	15	2115	850	548	—	1710	610	5.10
	1	1830	1073	702	—	1728	619	
	2	—	—	714	—	1712	622	
	3	—	—	805	—	1710	631	
	4	—	—	891	—	1721	632	
	5	—	—	975	—	1743	635	
	6	—	—	1202	—	1736	633	
	7	—	—	1310	—	1748	631	
	8	—	—	1531	—	1751	632	
17.0	✓ 27	1715	447	1468	1449	1738	642	
	✓ 28	1697	509	1361	1352	1722	634	
	✓ 29	1700	629	1071	1031	1719	638	
	✓ 30	1702	707	1332	1389	1715	640	
	✓ 31	1702	1222	1098	1071	1712	649	
17.2	✓ 32	1729	578	1551	1505	1698	652	



Cl. - Dr.	Mean Depl. - Dr.	Red. Depl.	Magn.	Remarks
1051	107	93	529	
1078	767	652	759 ✓	
1042	769	737	804 ✓	
1043	521	498	709 ✓	
1053	841	797	842 ✓	
946	30	32	—	
1024	77	75	—	
1035	112	108	—	
1010	217	215	—	
1015	298	293	—	
998	372	373	—	
1039	575	534	—	
1023	660	644	—	
1008	796	791	—	
1100	-62	?	—	
1109	83	75	—	
1090	92	84	—	
1079	174	161	—	
1089	259	238	—	
1103	340	307	—	
1103	569	515	—	
1117	679	607	—	
1119	899	805	—	
1096	816	744	809 ✓	
1088	722	664	764 ✓	
1081	413	382	670 ✓	
1075	720	670	768 ✓	
1063	435	408	679 ✓	
1046	876	837	875 (off curve)	



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m.m. - RH 3301 - Aug. 23, 1932

Strip	Star	y	x	Defl.	Defl.	el.	Dist.	vert.
	✓33	1720	611	1065	1129	1712	654	
	✓34	1725	1160	1128	1151	1708	658	
17.4	✓35	1752	491	1110	1158	1731	662	
	✓36	1740	1118	1302	1331	1722	661	
	✓37	1742	1134	1594	1521	1711	669	
17.6	✓38	1770	810	1031	1018	1732	668	
	✓39	1765	832	1088	1131	1729	672	
18.0	✓40	1800	362	1171	1181	1748	675	
	✓41	1812	1021	938	948	1708	671	
	✓42	1810	1061	1192	1202	1708	669	
18.2	✓43	1833	745	1142	1169	1742	671	
18.4	✓44	1855	281	1441	1491	1761	672	
	✓45	1857	310	1532	1485	1763	672	
18.6	✓46	1868	252	1581	1534	1762	678	
	✓47	1868	258	1788	1524	1753	674	
	✓48	1868	1225	1442	1451	1735	672	
18.8	✓49	1886	539	1253	1225	1726	675	
19.0	✓50	1909	742	1295	1329	1731	682	
	✓51	1905	853	1531	1524	1721	682	
19.2	✓52	1932	1236	1165	1139	1715	681	
19.4	✓53	1943	408	1461	1470	1732	687	
	✓54	1946	581	1101	1221	1704	681	
	✓55	1945	582	1021	1001	1725	682	
	✓56	1952	775	1329	1258	1702	686	
	✓57	1950	834	1491	1532	1732	689	
	✓58	1954	1089	1425	1429	1702	688	
19.6	✓59	1972	398	1523	1598	1732	695	
	✓60	1960	458	1341	1329	1721	691	
	✓61	1977	539	1421	1471	1705	688	
	✓62	1965	580	962	1002	1689	685	



Cl.-Dr.	Mean Diff.-Dr.	Red. Diff.	Mean.	Remarks
1058	443	419	682 <sup>✓</sup>	
1050	482	459	697 <sup>✓</sup>	
1069	472	442	691 <sup>✓</sup>	
1061	655	612	743 <sup>✓</sup>	
1042	889	852	off curve <sup>✓</sup>	
1064	356	334	650 <sup>✓</sup>	
1057	437	414	681 <sup>✓</sup>	
1073	501	466	698 <sup>✓</sup>	
1037	272	262	623 <sup>✓</sup>	
1039	528	507	711 <sup>✓</sup>	
1071	485	452	695 <sup>✓</sup>	
1089	794	729	800 <sup>✓</sup>	
1091	836	766	822 <sup>✓</sup>	
1084	880	811	853 <sup>✓</sup>	
1079	832	772	827 <sup>✓</sup>	
1063	774	727	799 <sup>✓</sup>	
1057	564	537	719 <sup>✓</sup>	
1049	630	601	737 <sup>✓</sup>	
1039	846	814	854 <sup>✓</sup>	
1034	471	456	695 <sup>✓</sup>	
1045	779	745	809 <sup>✓</sup>	
1023	480	468	699 <sup>✓</sup>	
1043	329	315	644 <sup>✓</sup>	
1016	608	598	737 <sup>✓</sup>	
1043	823	788	837 <sup>✓</sup>	
1014	739	728	799 <sup>✓</sup>	
1037	865	833	871 <sup>✓</sup>	
1030	644	625	745 <sup>✓</sup>	
1017	758	746	810 <sup>✓</sup>	
1004	259	296	637 <sup>✓</sup>	



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Strip	Star	y	x	Defl.	Defl.	ce.	dk.	vel.
	✓63	1959	842	1482	1472	1705	682	
	✓64	1968	872	1422	1491	1693	681	
	✓65	1970	1100	1391	1428	1705	690	
19.8	✓66	1989	422	1305	1369	1721	691	
	✓67	1989	492	1231	1297	1710	695	
	✓68	1985	811	1078	1081	1688	690	
	✓69	1981	84	1432	1451	1712	695	
	✓70	1991	1229	1248	1321	1691	688	
20.0	✓71	2005	526	1665	1428	1711	694	
	✓72	2009	535	1021	1077	1722	691	
	✓73	2005	568	992	1010	1696	691	
	✓74	2010	1048	1485	1565	1690	698	
	✓75	2002	1060	1381	1432	1690	690	
	ls	2115	850	695		1701	691	
	1	1830	1073	742		1712	688	
	2			772		1682	692	
	3			831		1668	690	
	4			959		1690	688	
	5			999		1705	688	
	6			1162		1718	695	
	7			1322		1711	694	5.02
	8			1472		1701	697	

Strip	Star	y	x	Defl.	Defl.	ce.	dk.	vel.
	10	2115	850	672		1490	603	
	1	1830	1073	706		1482	643	
	2			739		1463	652	
	3			764		1472	652	
	4			868		1468	658	
	5			896		1482	660	
	6			1063		1482	657	
	7			1108		1487	662	



Cl.-Dr.	Mean Defl.-Dr.	Red. Defl.	Magn.	Remarks
1028	795	774	831 <sup>✓</sup>	
1012	775	765	826 <sup>✓</sup>	
1015	720	709	799 <sup>✓</sup>	
1030	646	627	767 <sup>✓</sup>	
1015	569	560	741 <sup>✓</sup>	
998	390	391	675 <sup>✓</sup>	
1017	747	735	811 <sup>✓</sup>	
1003	596	593	755 <sup>✓</sup>	
1017	352	346	659 <sup>✓</sup>	
1031	358	347	660 <sup>✓</sup>	
1005	310	308	647 <sup>✓</sup>	
992	827	835	off curve <sup>✓</sup>	
1000	716	716	802 <sup>✓</sup>	
1010	4	4	—	
1024	54	50	—	
990	80	81	—	
978	141	144	—	
1002	271	270	—	
1017	311	306	—	
1023	467	457	—	
1017	628	617	—	
1004	775	771	—	
837	19	23	—	
839	63	75	—	
811	87	107	—	
820	112	137	—	
810	210	259	—	
822	236	287	—	
825	406	492	—	
825	446	541	—	



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Step	Star	y	x	Diff. <sup>1223</sup> 2123	Diff.	cl.	dk.	vol.
	8					1470	657	
20.2	✓ 76	2031	430	1308	1239	1492	662	
	✓ 77	2020	642	1238	1253	1488	663	
20.4	✓ 78	2049	348	1062	1063	1490	659	
	✓ 79	2052	497	1188	1245	1492	662	
	✓ 80	2041	522	1037	1074	1472	662	
	✓ 81	2044	547	1252	1252	1463	667	
	✓ 82	2052	578	1308	1314	1477	663	
	✓ 83	2051	602	841	840	1458	664	
	✓ 84	2038	898	1003	973	1457	662	
20.6	✓ 85	2060	288	1278	1264	1490	662	
	✓ 86	2074	631	992	1003	1447	664	
	✓ 87	2072	804	1222	1208	1452	663	
	✓ 88	2059	837	1092	1087	1448	670	
	✓ 89	2064	921	1210	1200	1456	671	
	✓ 90	2071	1011	1213	1192	1444	671	
	✓ 91	2062	1343	1238	1248	1448	672	
20.8	✓ 92	2080	437	1242	1317	1451	672	
	✓ 93	2084	672	858	862	1449	673	
	✓ 94	2083	1352	949	903	1447	673	
21.0	✓ 95	2103	766	710	713	1450	668	
	✓ 96	2104	977	1193	1203	1448	673	
	✓ 97	2109	1089	1278	1307	1438	669	
	✓ 98	2097	1263	1232	1228	1456	674	
21.2	✓ 99	2138	299	1034	1022	1477	677	
	✓ 100	2118	347	1044	988	1472	672	
	✓ 101	2130	411	1172	1211	1439	676	
	✓ 102	2137	482	938	947	1453	678	
	✓ 103	2130	492	878	868	1442	673	
	✓ 104	2120	882	1014	1043	1438	677	



Ce. - DR.	mean Depth - DR.	Red. Dep.	Mag.	Remarks
813	566	697		
830	662	798	843 ✓	
825	583	707	798 ✓	
831	403	485	711 ✓	
830	554	668	782 ✓	
812	394	486	711 ✓	
796	585	735	811 ✓	
814	648	796	842 ✓	
794	176	221	608 ✓	
795	326	410	682 ✓	
828	609	736	811 ✓	
783	334	427	688 ✓	
789	552	700	795 ✓	
778	420	541	734 ✓	
785	634	681	788 ✓	
773	531	687	790 ✓	
776	571	736	811 ✓	
779	708	909	off curve ✓	
776	187	241	619 ✓	
774	253	327	652 ✓	
782	44	56	456 ✓	
775	525	678	787 ✓	
769	623	811	off curve <sup>+</sup> ✓	
782	556	711	801 ✓	
800	351	439	692 ✓	
800	344	430	689 ✓	
783	516	659	779 ✓	
775	264	328	653 ✓	
769	200	260	629 ✓	
764	354	460	703 ✓	



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25P - BN 3301 - Aug. 24, 1932.

Step	Sta	y	X	Diff	Diff	cc	De	voet
21.4	✓ 105	2124	1140	1222	1220	1404	680	
	✓ 106	2154	283	1022	1013	1457	683	
	✓ 107	2150	312	1133	1182	1468	683	
21.6	✓ 108	2147	342	1203	1132	1408	673	
	m. m. ✓ 109	2148	619	981	988	1442	678	
	✓ 110	2158	740	1257	1299	1439	688	
	✓ 111	2160	781	799	801	1459	685	
	✓ 112	2169	811	988	1001	1448	675	
	✓ 113	2161	1282	1031	1092	1442	678	
21.8	✓ 114	2160	1275	1040	1032	1431	681	
	✓ 115	2192	550	1095	1159	1458	682	
	X. 116	2186	618	1304	1299	1458	685	
	✓ 117	2180	631	1141	1092	1443	678	
	✓ 118	2192	653	1179	1199	1418	680	
	✓ 119	2212	390	979	948	1445	672	
22.0	✓ 120	2209	1187	914	885	1432	678	
	✓ 121	2210	1202	1228	1248	1429	681	
	✓ 122	2219	289	1178	1212	1458	678	
22.2	✓ 123	2229	291	1124	1094	1455	681	
	✓ 124	2231	1142	1229	1218	1432	678	
	✓ 125	2255	633	989	1028	1418	682	
22.4	✓ 126	2239	962	1158	1199	1441	679	
	✓ 127	2242	1026	1110	1121	1432	678	
	✓ 128	2275	352	1275	1360	1449	681	
22.6	✓ 129	2262	411	1206	1202	1462	681	
	✓ 130	2268	661	1160	1155	1431	679	
	✓ 131	2258	920	1282	1253	1415	675	
	✓ 132	2260	921	1081	1108	1428	679	
	✓ 133	2268	980	1025	1050	1421	674	
	✓ 134	2265	989	1262	1261	1423	682	



Co. - Dk.	Mean Diff. - Dk.	Red. Dk.	Magn.	Remarks
724	541	747	817 ✓	
774	335	433	690 ✓	
785	475	606	759 ✓	
785	495	631	769 ✓	
764	306	401	679 ✓	
751	590	786	836 ✓	
774	115	148	568 ✓	
773	325	421	686 ✓	
764	384	503	719 ✓	
750	355	473	706 ✓	
776	445	574	746 ✓	
773	617	799	843 ✓	
765	438	573	747 ✓	
738	509	690	791 ✓	
773	292	378	671 ✓	
754	222	295	643 ✓	
748	557	745	816 ✓	
780	517	664	782 ✓	
774	428	554	739 ✓	
754	546	724	806 ✓	
736	326	443	694 ✓	
762	499	655	778 ✓	
754	438	572	750 ✓	
768	637	830	off curve ✓	
781	523	670	783 ✓	
752	479	637	771 ✓	
746	593	802	off curve ✓	
749	415	554	739 ✓	
747	364	477	711 ✓	
741	588	773	835 ✓	



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m.m. - RH 3801 - Aug. 24, 1932.

Strip	Star	y	x	Defl.	Defl.	Cl.	Dr.	volt.
	✓ 135	2272	1187	1022	1028	1412	680	
22.8	✓ 136	2281	369	1162	1155	1442	675	
	✓ 137	2292	1199	1232	1255	1431	682	
23.2	✓ 138	2331	772	932	935	1422	678	
	✓ 139	2326	874	1098	1110	1412	688	
	✓ 140	2315	878	1190	1175	1432	682	
	✓ 141	2325	899	1175	1149	1431	685	
23.4	✓ 142	2348	538	962	963	1445	683	
	✓ 143	2340	882	962	942	1424	682	
	✓ 144	2348	899	1239	1151	1431	688	
23.6	✓ 145	2370	771	735	729	1430	685	
	✓ 146	2375	840	919	936	1418	688	
	✓ 147	2359	853	1222	1225	1415	685	
23.8	✓ 148	2395	479	1125	1152	1438	690	
24.0	✓ 149	2410	430	762	782	1432	691	
	✓ 150	2400	945	1059	1068	1418	695	
24.2	✓ 151	2432	779	1036	1012	1438	700	
24.4	✓ 152	2442	1072	1332	1284	1432	700	
24.6	✓ 153	2478	490	1110	1032	1428	704	
	✓ 154	2478	908	832	822	1421	708	
	✓ 155	2468	914	1292	1249	1436	701	
24.8	✓ 156	2488	642	1216	1221	1431	702	
	✓ 157	2498	721	1142	1147	1428	705	
25.0	✓ 158	2502	780	1142	1155	1445	705	
25.2	✓ 159	2529	640	959	925	1449	701	
	✓ 160	2533	735	1230	1172	1442	700	
	✓ 161	2535	728	950	938	1428	708	
	✓ 162	2528	878	1026	1072	1452	700	
25.4	✓ 163	2550	792	1238	1265	1432	712	
	✓ 164	2551	821	1020	955	1438	707	



Cl. - St.	Mean Diff. - St.	Red. Diff.	Magn.	Remarks
732	345	471	705 ✓	
767	483	630	769 ✓	
749	662	884	off curve ✓	
744	256	345	659 ✓	
724	416	575	747 ✓	
735	500	666	782 ✓	
746	477	640	772 ✓	
762	279	366	656 ✓	
742	270	364	665 ✓	
743	507	684	789 ✓	
745	47	63	473 ✓	
730	240	329	653 ✓	
730	539	739	812 ✓	
748	448	599	757 ✓	
741	81	109	539 ✓	
723	369	511	722 ✓	
738	324	439	692 ✓	
732	608	831	off curve ✓	
724	367	507	720 ✓	
713	19	27	370 ✓	
735	569	774	831 ✓	
729	516	709	799 ✓	
723	439	607	760 ✓	
740	443	599	757 ✓	
748	241	322	651 ✓	
742	501	676	786 ✗	
720	236	328	652 ✓	
752	349	464	702 ✓	
720	540	751	820 ✓	
731	281	385	673 ✓	



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m.m. - RH 3801 - Aug. 24, 1932.

Step	Star	y	x	Defl.	Defl.	Cl.	Dr.	Wet.
Plate finished	ls	2115	850	710	—	1448	708	
	1	1830	1073	742	—	1438	712	
	2	—	—	782	—	1428	715	
	3	—	—	832	—	1430	712	
	4	—	—	879	—	1432	708	
	5	—	—	929	—	1439	712	
	6	—	—	1085	—	1452	709	
	7	—	—	1122	—	1449	715	
	8	—	—	1269	—	1472	712	5.00



Cl. - Dk.	Mean Defl. - Dk.	Red. Defl.	Magn.	Remarks
732	2	3	—	
726	30	41	—	
713	67	94	—	
718	120	167	—	
724	171	236	—	
727	217	299	—	
743	376	506	—	
734	407	555	—	
760	557	733	—	



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m.m. - RH 3302 - Aug. 25, 1932.

Step	Star	Y	X	Defl.	Defl.	Cl.	Dr.	uvel
	13	2107	850	658	—	1592	632	5.10
	1	1816	1064	778	—	1618	634	
	2	—	—	785	—	1642	647	
	3	—	—	857	—	1631	642	
	4	—	—	992	—	1638	645	
	5	—	—	1088	—	1648	651	
	6	—	—	1122	—	1618	652	
	7	—	—	1178	—	1639	655	
	8	—	—	1409	—	1623	658	
14.6	✓ 1	1478	508	1436	1361	1601	662	
	x 2	1462	821	1472	1475	1621	667	
14.8	✓ 3	1497	675	791	832	1602	668	
	✓ 4	1490	724	808	791	1589	662	
	✓ 5	1488	808	1232	1203	1600	668	
	✓ 6	1492	985	1178	1175	1618	673	
15.2	✓ 7	1522	570	1350	1402	1606	675	
	✓ 8	1533	858	815	821	1625	682	
	✓ 9	1540	366	1069	1101	1601	672	
15.6	✓ 10	1561	411	1185	1218	1602	670	
15.8	✓ 11	1582	318	1482	1458	1591	673	
	✓ 12	1581	342	1265	1271	1608	671	
	✓ 13	1585	792	1171	1225	1606	673	
16.0	✓ 14	1607	585	1150	1112	1588	672	
	✓ 15	1604	761	938	930	1569	672	
	✓ 16	1610	772	732	740	1552	674	
16.2	✓ 17	1628	428	1112	1058	1538	672	
	✓ 18	1631	928	895	802	1589	675	
16.4	✓ 19	1642	950	1422	1431	1582	677	
	✓ 20	1651	1072	1281	1339	1601	679	
	21	2107	850	728	—	1597	678	



cc. dk.	Mean Dg. dk.	Red Dg.	Magn.	Remarks
960	26	27	—	
984	144	147	—	
996	138	139	—	
989	215	218	—	
993	347	350	—	
997	357	358	—	
966	470	477	—	
984	523	532	—	
965	751	778	—	
939	736	784	825 ✓	
954	807	847	853 × ✓	
954	144	151	471 ✓	
927	138	149	469 ✓	
932	550	591	741 ✓	
945	503	532	718 ✓	
931	701	753	812 ✓	
943	136	144	461 ✓	
929	413	445	672 ✓	
(942) 932	532	(566) 571	(433) 736 ✓	
918	797	869	off curve	
937	597	638	768 ✓	
933	525	563	732 ✓	
916	459	501	702 ✓	
897	262	292	581 ✓	
878	62	71	341 ✓	
876	413	467	684 ✓	
914	173	189	503 ✓	
905	749	828	845 ✓	
922	631	684	787 ✓	
919	50	54	—	



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m.m. - R H 3302 - Aug. 26, 1932.

Strip	Star	y	x	Defl	Defl	Cl.	Dk.	vel.
	1	1816	1064	840	—	1582	678	
	2	—	—	832	—	1583	681	
	3	—	—	925	—	1609	680	
	4	—	—	975	—	1598	678	
	5	—	—	1102	—	1621	678	
	6	—	—	1121	—	1568	681	
	7	—	—	1200	—	1589	678	
	8	—	—	1429	—	1596	675	5.00

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5.00

	1s	2107	850	651	—	1559	622	
	1	1816	1064	768	—	1588	620	
	2	—	—	852	—	1591	622	
	3	—	—	879	—	1581	618	
	4	—	—	938	—	1569	625	
	5	—	—	1002	—	1598	625	
	6	—	—	1108	—	1562	623	
	7	—	—	1206	—	1568	625	
	8	—	—	1361	—	1558	631	
16.6	✓ 22	1661	1211	1201	1209	1581	635	
16.8	✓ 23	1687	502	1331	1337	1548	642	
	✓ 24	1691	622	1123	1202	1552	640	
17.0	✓ 25	1702	439	1390	1399	1551	650	
	✓ 26	1710	603	1102	1108	1568	648	
	✓ 27	1700	1218	1159	1183	1559	650	
17.2	✓ 28	1723	1155	1182	1213	1560	650	
17.4	✓ 29	1742	485	1088	1118	1548	658	
17.6	✓ 30	1762	801	1022	1068	1571	657	
	✓ 31	1758	827	1102	1142	1552	661	
17.8	✓ 32	1790	353	1142	1205	1531	660	
18.0	✓ 33	1811	902	1349	1331	1559	655	



Cl.-Dk.	Mean Segl.-Dk.	Red. Segl.	Magn.	Remarks
904	162	179		
902	151	167		
929	245	264		
920	297	323		
943	424	450		
887	440	496		
911	522	573		
921	754	819		
937	29	31		
938	147	158		
969	230	238		
963	261	271		
944	313	332		
973	377	388		
929	485	522		
943	581	616		
927	730	788		
946	570	603	727	
906	692	764	823 ✓	
912	522	572	711 ✓	
901	744	825	off curve ✓	
920	457	497	676 ✓	
909	521	573	712 ✓	
910	548	602	727 ✓	
890	445	501	679 ✓	
914	358	392	615 ✓	
791	461	518	686 ✓	
871	514	590	720 ✓	
904	685	758	823 ✓	



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m.m. - R143302 - Aug. 26, 1932.

Strip	Star	y	x	Defl.	Defl.	cl.	Dr.	volt.
	✓ 34	1809	1015	1018	1068	1568	665	
	✓ 35	1808	1054	1218	1238	1551	666	
18.2	✓ 36	1827	739	1172	1193	1533	657	
18.4	✓ 37	1845	272	1332	1348	1532	663	
18.6	✓ 38	1878	530	1222	1201	1552	659	
	X 39	1872	1329	1378	1267	1562	665	
18.8	X 40	1885	335	1405	1372	1528	662	
19.0	✓ 41	1900	735	1245	1262	1521	660	
19.2	✓ 42	1935	572	1072	1081	1538	662	
	✓ 43	1931	1228	1110	1202	1536	656	
19.4	✓ 44	1941	449	1232	1265	1531	659	
	✓ 45	1956	571	932	969	1522	657	
	✓ 46	1954	767	1278	1332	1512	657	
	✓ 47	1953	832	1229	1198	1538	654	
	✓ 48	1950	1079	1335	1378	1543	658	
19.6	✓ 49	1965	531	1318	1319	1531	662	
	✓ 50	1966	1090	1338	1325	1539	659	
19.8	✓ 51	1977	484	1128	1112	1509	661	
	✓ 52	1996	558	975	982	1522	158	
	✓ 53	1981	800	977	1058	1512	661	
20.2	✓ 54	2035	336	1132	1092	1529	659	
	✓ 55	2032	572	1076	1099	1512	657	
20.4	✓ 56	2047	278	1308	1298	1516	651	
	✓ 57	2042	592	882	880	1500	662	
20.6	✓ 58	2064	621	1112	1099	1491	665	
	✓ 59	2078	662	833	855	1511	662	
	✓ 60	2068	1000	1275	1348	1519	664	
	✓ 61	2061	1332	1341	1412	1528	663	
20.8	✓ 62	2097	756	738	727	1572	612	
	✓ 63	2082	1341	1072	1042	1531	659	



ce.-dk.	Mean Diff.-dk.	Red. Diff.	Magn.	Remarks
903	378	419	631 ✓	
885	562	636	744 ✓	
876	525	599	724 ✓	
869	677	779	839 ✓	
893	553	619	735 ✓	
897	657	783	805 <sup>+</sup>	(outside circle)
866	726	839	off curve <sup>x</sup>	
861	594	690	777 ✓	
876	414	473	662 ✓	
880	500	568	709 ✓	
872	584	663	760 ✓	
865	293	339	581 ✓	
855	648	758	823 ✓	
884	560	634	744 ✓	
885	698	789	845 ✓	
869	656	756	824 ✓	
880	673	765	829 ✓	
848	458	540	698 ✓	
864	320	370	601 ✓	
851	357	419	631 ✓	
870	453	521	689 ✓	
855	431	504	680 ✓	
865	652	754	821 ✓	
838	219	261	525 ✓	
826	441	534	694 ✓	
849	182	214	487 ✓	
835	648	758	824 ✓	
865	713	825	off curve ✓	
910	70	77	328 ✓	
872	398	456	652 ✓	



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m.m. - RH 3302 - Aug. 26, 1932.

Step	Star	y	x	Defl.	Defl.	Cl.	Dk	mag
	1s	2107	850	689	—	1528	657	
	1	1816	1064	831	—	1518	663	
	2	—	—	898	—	1542	652	
	3	—	—	918	—	1516	656	
	4	—	—	1028	—	1508	668	
	5	—	—	1048	—	1528	659	
	6	—	—	1121	—	1501	668	
	7	—	—	1242	—	1528	656	
	8	—	—	1332	—	1535	660	4.98

m.m. - RH 3302 - Aug. 27, 1932.

5.25

	1s	2107	852	659	—	1639	605	
	1	1816	1066	788	—	1642	601	
	2	—	—	852	—	1668	599	
	3	—	—	902	—	1658	605	
	4	—	—	1081	—	1652	608	
	5	—	—	1142	—	1649	608	
	6	—	—	1245	—	1602	612	
	7	—	—	1291	—	1641	602	
	8	—	—	1508	—	1635	605	
21.0	X 64	2102	303	1450	1538	1659	607	
	✓ 65	2105	338	1202	1192	1655	608	
	✓ 66	2115	875	1148	1195	1638	602	
21.2	✓ 67	2125	279	1198	1192	1632	607	
	✓ 68	2133	332	1310	1378	1631	609	
	✓ 69	2125	473	1162	1178	1620	605	
	✓ 70	2119	483	1065	1042	1601	605	
21.4	✓ 71	2142	275	1169	1225	1618	608	
	✓ 72	2151	771	1032	981	1615	608	
21.6	✓ 73	2160	610	1149	1209	1608	606	
	✓ 74	2171	622	1299	1311	1614	611	



Q. - Dr.	Magn Depl. - Dr.	Red. Depl.	Magn.	Remarks
871	32	37	—	
855	168	196	—	
890	246	277	—	
860	262	305	—	
840	360	428	—	
869	389	521	—	
833	453	544	—	
872	566	672	—	
875	672	768	—	
1034	54	52	—	
1041	187	179	—	
1069	253	237	—	
1053	297	282	—	
1044	473	453	—	
1041	534	512	—	
990	633	639	—	
1039	689	663	—	
1030	903	876	—	
1052	887	842	807 <sup>x</sup>	
1047	584	562	677 <sup>✓</sup>	
1036	570	550	670 <sup>✓</sup>	
1025	588	573	683 <sup>✓</sup>	
1022	735	718	753 <sup>✓</sup>	
1015	568	559	675 <sup>✓</sup>	
996	449	451	612 <sup>✓</sup>	
1010	589	583	679 <sup>✓</sup>	
1007	398	395	578 <sup>✓</sup>	
1002	573	571	682 <sup>✓</sup>	
1003	694	691	744 <sup>✓</sup>	



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M.M. - RH3002 - Aug. 27, 1932.

Strip	Star	y	x	Defl.	Defl	Q.	Sk.	volt.
	✓ 75	2160	800	1182	1208	1605	612	
	✓ 76	2159	1273	1252	1278	1643	609	
22.0	✓ 77	2205	278	1433	1409	1648	614	
	✓ 78	2215	280	1278	1238	1643	617	
	✓ 79	2200	381	1127	1111	1598	618	
	✗ 80	2204	981	1446	1482	1142	621	
	✓ 81	2203	1177	1098	1148	1638	618	
	✓ 82	2205	1192	1499	1458	1639	614	
22.2	✓ 83	2232	951	1399	1352	1631	615	
22.4	✓ 84	2250	400	1361	1422	1621	618	
	✓ 85	2245	625	1175	1232	1612	615	
	✓ 86	2257	910	1295	1302	1641	621	
	✓ 87	2235	1014	1272	1305	1636	618	
22.6	✓ 88	2263	343	1421	1509	1628	622	
	✓ 89	2268	359	1388	1382	1621	620	
	✓ 90	2261	970	1206	1215	1623	618	
	✓ 91	2269	1176	1198	1281	1627	622	
22.8	✓ 92	2289	1179	1449	1445	1618	621	
23.0	✓ 93	2309	868	1369	1402	1609	623	
23.2	✓ 94	2328	442	1292	1368	1641	621	
	✓ 95	2335	526	1092	1128	1612	625	
	✗ 96	2325	688	1371	1432	1619	622	
	✓ 97	2322	761	1112	1152	1635	632	
	✓ 98	2320	862	1292	1306	1642	618	
	✓ 99	2333	871	1058	1112	1612	621	
	✓ 100	2319	888	1329	1372	1605	628	
	✗ 101	2330	1012	1412	1408	1618	622	
	5	2107	852	663	—	1572	618	
	1	1815	1066	868	—	1579	622	
	2	—	—	928	—	1608	626	



Cl. - Dk.	Mean Dekl. - Dk.	Red. Dekl.	Magn.	Remarks
993	583	587	690 <sup>✓</sup>	
1034	656	633	714 <sup>✓</sup>	
1034	807	780	781 <sup>✓</sup>	
1026	641	625	709 <sup>✓</sup>	
980	501	511	647 <sup>✓</sup>	
1021	843	825	800 <sup>x</sup>	
1020	505	495	639 <sup>✓</sup>	
1025	864	842	807 <sup>✓</sup>	
1016	761	749	767 <sup>✓</sup>	
1003	774	771	777 <sup>✓</sup>	
997	589	593	693 <sup>✓</sup>	
1000	677	664	730 <sup>✓</sup>	
1018	670	657	727 <sup>✓</sup>	
1006	843	839	805 <sup>✓</sup>	
1001	765	763	773 <sup>✓</sup>	
1005	592	588	691 <sup>✓</sup>	
1005	618	614	704 <sup>✓</sup>	
997	826	829	801 <sup>✓</sup>	
986	763	774	778 <sup>✓</sup>	
1020	709	694	744 <sup>✓</sup>	
987	485	492	636 <sup>✓</sup>	
997	770	773	778 <sup>x</sup>	
1003	500	498	639 <sup>✓</sup>	
1024	681	664	730 <sup>✓</sup>	
999	464	465	620 <sup>✓</sup>	
977	722	739	762 <sup>✓</sup>	
996	787	792	785 <sup>x</sup>	
954	45	47	—	
957	246	257	—	
982	302	308	—	



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m. m. - R H 3302 - Aug. 27, 1932.

Step	Star	y	x	Defl	Defl	Cl	Dk.	volt
	3	—	—	918	—	1594	628	
	4	—	—	1052	—	1591	631	
	5	—	—	1091	—	1596	623	
	6	—	—	1225	—	1573	628	
	7	—	—	1298	—	1568	623	
	8	—	—	1482	—	1581	619	5.22

m. m. - R H 3302 - Aug. 29, 1932.

5.22

	1s	2107	852	671	—	1628	612
	1	1815	1066	882	—	1648	615
	2	—	—	885	—	1695	622
	3	—	—	942	—	1672	628
	4	—	—	1098	—	1702	638
	5	—	—	1143	—	1672	643
	6	—	—	1252	—	1648	648
	7	—	—	1328	—	1665	643
	8	—	—	1476	—	1687	648
23.4	X 102	2355	826	1572	1585	1732	642
	✓ 103	2351	842	1510	1515	1702	647
	✓ 104	2340	884	1526	1448	1711	647
23.6	✓ 105	2362	760	818	803	1704	651
	✓ 106	2369	828	1142	1161	1708	649
23.8	✓ 107	2382	446	1368	1419	1648	648
	✓ 108	2395	932	1282	1279	1729	648
24.0	✓ 109	2399	418	934	936	1691	646
24.2	✓ 110	2423	765	1248	1253	1688	648
24.6	✓ 111	2466	476	1338	1325	1697	651
	✓ 112	2470	903	952	478	1679	650
	✓ 113	2475	900	1582	1528	1701	658
24.8	✓ 114	2478	629	1402	1392	1682	665
	✓ 115	2489	709	1305	1368	1672	653



Cl. - Stk.	Mean Diff. - Stk.	Red. Diff.	Magn.	Remarks
966	290	300	—	311
960	421	439	—	54
973	468	482	—	121
945	567	600	—	137
945	675	714	—	141
962	863	897	—	152
1016	59	58	—	321
1033	217	210	—	231
1073	263	245	—	142
1044	314	300	—	242
1064	460	432	—	252
1029	500	486	—	122
1000	604	604	—	221
1022	685	669	—	132
1039	828	796	—	152
1090	936	858	841 *	
1055	865	820	825 ✓	
1064	840	788	809 ✓	
1053	159	151	412 ✓	
1059	503	475	649 ✓	
1070	746	746	787 ✓	
1081	632	584	708 ✓	
1045	289	276	530 ✓	
1040	602	578	705 ✓	
1046	681	651	739 ✓	
1029	315	306	550 ✓	
1043	927	887	855 ✓	
1017	732	720	773 ✓	
1019	683	670	748 ✓	



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M. M. - RH 3302 - Aug. 29, 1932.

Strip	Star	y	x	Left	Right	Cl.	DR	note
	✓ 116	2495	768	1432	1385	1698	662	
250	x 117	2518	800	1472	1438	1698	659	
252	✓ 118	2520	628	1101	1129	1692	661	
	x 119	2525	661	1427	1431	1672	668	
	✓ 120	2525	722	1129	1115	1678	661	
	✓ 121	2520	861	1339	1341	1691	658	
254	x 122	2542	780	1482	1525	1678	668	
	x 123	2543	808	1155	1178	1691	669	
	15	2107	852	788	—	1645	658	
	1	1815	1066	841	—	1658	665	
	2	—	—	912	—	1668	667	
	3	—	—	923	—	1657	669	
	4	—	—	1017	—	1659	671	
	5	—	—	1142	—	1651	670	
	6	—	—	1232	—	1632	678	
	7	—	—	1332	—	1638	675	
	8	—	—	1498	—	1637	668	5.18

Plate finished



CE - IK	<sup>mean</sup> Defl. - Dk	Red. Defl.	Magn.	Remarks
1036	746	720	773 ✓	
1039	796	766	798 X	
1031	454	440	628 ✓	
1004	761	757	793 X	
1017	461	453	636 ✓	
1033	682	650	739 ✓	
1010	836	827	828 X	outside circle
1022	497	485	654 ✓	
987	130	132	—	
993	176	178	—	
1001	245	244	—	
988	254	258	—	
988	346	351	—	
981	472	482	—	
954	554	582	—	
963	657	683	—	
969	830	857	—	



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m.m. - RH 4371 - Aug. 29, 1932.

Step	Star	y	z	Defl.	Defl.	Cl.	Dr.	voet.
	1s	2092	853	842	—	1538	628	5.18
	1	1768	1015	1252	—	1543	635	
	2	—	—	1339	—	1563	632	
	3	—	—	1349	—	1568	623	
	4	—	—	1422	—	1552	629	
	5	—	—	1445	—	1550	632	
	6	—	—	1458	—	1545	629	
	7	—	—	1471	—	1559	631	
	8	—	—	1508	—	1557	632	
13.8	✓ 1	1388	639	1459	1445	1532	638	
14.2	✓ 2	1421	790	1400	1411	1511	642	
14.8	✓ 3	1480	482	1443	1451	1506	638	
	✓ 4	1493	701	1189	1193	1512	635	
	✓ 5	1493	782	1403	1389	1532	639	
15.0	✓ 6	1500	656	1251	1257	1533	642	
15.2	✓ 7	1525	485	1482	1463	1532	637	
15.4	✓ 8	1542	330	1378	1359	1512	631	
	✓ 9	1538	832	1258	1263	1518	637	
15.6	✓ 10	1565	388	1428	1402	1521	643	
15.8	✓ 11	1582	318	1421	1411	1525	638	
	✓ 12	1591	770	1402	1408	1508	636	
16.0	✓ 13	1603	561	1381	1375	1511	634	
	✓ 14	1608	735	1339	1348	1518	638	
	✓ 15	1614	749	1138	1129	1508	635	
16.2	✓ 16	1629	400	1363	1388	1523	638	
	✓ 17	1634	901	1223	1232	1521	636	
16.4	✓ 18	1646	515	1429	1421	1508	638	
16.6	✓ 19	1668	1162	1431	1418	1528	641	
16.8	✓ 20	1692	588	1391	1393	1529	638	
	✓ 21	1698	673	1469	1448	1516	635	



Cl. - Dh.	mean Defl. - Dh.	Red Defl.	Magn	Remarks
910	214	236	—	
908	617	680	—	
931	707	758	—	
945	726	769	—	
923	793	860	—	
918	813	886	—	
916	829	915	—	
929	840	905	—	
919	876	954	—	
894	814	911	742 <sup>x</sup>	(under circle)
869	764	879	679 <sup>✓</sup>	
868	809	932	782 <sup>✓</sup>	
877	556	634	435 <sup>✓</sup>	
893	767	848	630 <sup>✓</sup>	
891	612	688	470 <sup>✓</sup>	
895	835	933	792 <sup>✓</sup>	
881	737	837	620 <sup>x</sup>	(outside circle)
881	623	708	488 <sup>✓</sup>	
878	772	870	680 <sup>✓</sup>	
887	778	868	658 <sup>✓</sup>	
872	769	882	683 <sup>✓</sup>	
877	744	848	630 <sup>✓</sup>	
890	706	803	580 <sup>✓</sup>	
873	499	572	396 <sup>✓</sup>	
885	738	835	615 <sup>✓</sup>	
885	592	669	457 <sup>✓</sup>	
870	787	905	730 <sup>✓</sup>	
887	783	883	670 <sup>✓</sup>	
891	754	846	630 <sup>✓</sup>	
881	831	944	840 <sup>✓</sup>	



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m.m. - RH 4371 - Aug. 29, 1932.

Step	Star	y	x	Defl.	Defl.	Cl.	Ik	note
17.0	✓ 22	1712	579	1401	1399	1511	635	
	✓ 23	1704	1191	1403	1432	1535	639	
17.2	✓ 24	1729	1130	1439	1446	1528	641	
17.4	✓ 25	1751	289	1472	1474	1512	646	
	✓ 26	1745	460	1429	1427	1532	645	
17.6	✓ 27	1768	777	1402	1388	1522	642	
	✓ 28	1761	800	1411	1421	1511	640	
17.8	✓ 29	1793	318	1438	1409	1521	637	
18.0	✓ 30	1815	877	1472	1478	1522	642	
	✓ 31	1812	982	1421	1389	1525	649	
	✓ 32	1812	1029	1429	1448	1528	639	
18.2	✓ 33	1830	711	1421	1411	1533	648	
18.6	✓ 34	1878	1302	1462	1464	1558	647	
18.8	✓ 35	1878	502	1432	1427	1518	656	
19.0	✓ 36	1902	709	1468	1459	1517	655	
19.4	✓ 37	1959	420	1449	1451	1522	652	
	✓ 38	1938	545	1416	1398	1518	659	
	✓ 39	1938	549	1348	1342	1501	649	
	✓ 40	1955	804	1435	1449	1539	661	
19.6	✓ 41	1971	502	1469	1462	1533	657	
	✓ 42	1961	544	1392	1385	1540	661	
19.8	✓ 43	1980	459	1415	1422	1547	649	
20.0	✓ 44	2000	489	1468	1462	1534	654	
	✓ 45	2000	509	1372	1391	1532	655	
	✓ 46	2000	530	1338	1390	1543	659	
20.2	✓ 47	2038	310	1409	1378	1529	652	
20.4	✓ 48	2045	568	1347	1350	1538	658	
	✓ 49	2055	800	1425	1458	1521	661	
20.6	✓ 50	2070	409	1458	1478	1544	668	
	✓ 51	2069	592	1400	1398	1533	659	



Cl. No.	Mean Sept. - Dec.	Red Sept.	Magn.	Remarks
876	765	872	670 <sup>✓</sup>	
896	779	870	661 <sup>✓</sup>	
887	701	902	723 <sup>✓</sup>	
866	827	956	840 <sup>x</sup>	
889	783	882	690 <sup>✓</sup>	
880	753	850	642 <sup>✓</sup>	
871	776	891	702 <sup>✓</sup>	
894	787	889	698 <sup>✓</sup>	
880	833	949	820 <sup>x</sup>	
876	766	863	652 <sup>✓</sup>	
889	799	900	716 <sup>✓</sup>	
885	768	867	660 <sup>✓</sup>	
911	816	894	708 <sup>x</sup>	
862	774	898	710 <sup>✓</sup>	
862	809	938	798 <sup>✓</sup>	
870	798	919	751 <sup>✓</sup>	
869	748	870	662 <sup>✓</sup>	
872	696	800	572 <sup>✓</sup>	
878	781	890	700 <sup>✓</sup>	
876	809	920	757 <sup>✓</sup>	
879	727	830	610 <sup>✓</sup>	
898	769	854	642 <sup>✓</sup>	
886	811	920	762 <sup>✓</sup>	
877	727	828	608 <sup>x</sup>	
884	705	796	568 <sup>✓</sup>	
877	742	856	644 <sup>✓</sup>	
880	690	788	559 <sup>✓</sup> <del>710</del>	
860	781	910	738 <sup>✓</sup>	
876	800	914	758 <sup>✓</sup>	
874	740	848	630 <sup>✓</sup>	



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m.m. - RH 4371 - Aug. 29, 1932.

Strip	Star	y	x	Defl.	Defl.	Cl.	Dk.	welt.
20.8	✓ 52	2081	633	1355	1343	1533	662	5.18
	✓ 53	2087	1312	1402	1411	1538	660	
21.0	✓ 54	2105	308	1367	1359	1528	662	
	✓ 55	2100	728	1221	1210	1531	659	
21.2	✓ 56	2125	250	1361	1366	1508	661	
	✓ 57	2135	302	1467	1471	1518	663	
	✓ 58	2128	442	1399	1342	1528	661	
	✓ 59	2121	453	1328	1334	1533	671	
21.4	✓ 60	2142	257	1398	1372	1555	667	
	✓ 61	2139	262	1449	1440	1552	677	
	✓ 62	2155	741	1347	1359	1561	668	
21.6	✓ 63	2165	580	1400	1421	1552	673	
	✓ 64	2173	592	1439	1451	1548	660	
	✓ 65	2163	1243	1471	1458	1542	665	
22.0	✓ 66	2207	250	1440	1471	1539	672	
	✓ 67	2215	350	1399	1402	1550	678	
	✓ 68	2202	350	1398	1395	1561	681	
	✓ 69	2209	1148	1427	1441	1565	678	
22.4	✓ 70	2248	593	1435	1427	1535	681	
	✓ 71	2241	982	1461	1456	1565	678	
22.6	✓ 72	2265	312	1469	1473	1547	681	
	✓ 73	2270	329	1431	1449	1542	679	
	✓ 74	2266	940	1457	1451	1538	682	
	✓ 75	2275	1156	1489	1462	1548	688	
22.8	15	2092	853	918	—	1552	681	
22.8	1	1768	1015	1292	—	1551	678	
	2	—	—	1321	—	1578	675	
	3	—	—	1381	—	1572	683	
	4	—	—	1435	—	1552	688	
	5	—	—	1443	—	1554	691	



Cl-DK	Mean Sept-DK	Red. Sept.	Magn.	Remarks
871	682	789	560 <sup>✓</sup>	
878	746	850	137 <sup>✓</sup>	
866	701	810	584 <sup>✓</sup>	
892	557	639	437 <sup>✓</sup>	
847	703	830	610 <sup>✓</sup>	
855	806	943	810 <sup>✓</sup>	
867	709	818	592 <sup>✓</sup>	
862	660	766	536 <sup>✓</sup>	
888	718	808	581 <sup>✓</sup>	
885	<del>717</del> <del>718</del>	<del>817</del> <del>818</del>	<del>581</del> <del>659</del> <sup>✓</sup>	
893	685	768	539 <sup>✓</sup>	
879	737	839	620 <sup>✓</sup>	
888	785	884	690 <sup>✓</sup>	
877	799	901	722 <sup>✓</sup>	
867	784	904	730 <sup>✓</sup>	
880	722	821	600 <sup>✓</sup>	
880	715	812	590 <sup>✓</sup>	
887	756	853	641 <sup>✓</sup>	
854	750	878	678 <sup>✓</sup>	
887	780	879	711 <sup>✓</sup>	
866	790	912	742 <sup>✓</sup>	
863	761	882	690 <sup>✓</sup>	
856	772	903	730 <sup>✓</sup>	
860	788	916	750 <sup>✓</sup>	
871	237	272	—	
873	614	704	—	
913	646	716	—	
889	698	786	—	
864	747	865	—	
863	752	872	—	



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Strip	Star	y	x	Defl.	Defl.	Cl.	DB.	url
	6	—	—	1451	—	1548	686	
	7	—	—	1492	—	1573	681	
	8	—	—	1522	—	1579	688	5.16

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5.10

	15	2092	853	889	—	1489	615	
	1	1768	1015	1245	—	1501	612	
	2	—	—	1288	—	1531	611	
	3	—	—	1318	—	1548	613	
	4	—	—	1391	—	1539	618	
	5	—	—	1408	—	1541	621	
	6	—	—	1418	—	1532	618	
	7	—	—	1457	—	1538	628	
	8	—	—	1502	—	1541	622	
22.8	x 76	2281	308	1462	1468	1521	626	
23.0	✓ 77	2312	835	1448	1439	1518	621	
23.2	✓ 78	2329	411	1405	1391	1496	623	
	✓ 79	2327	831	1289	1312	1505	622	
	✓ 80	2337	841	1343	1338	1501	621	
	✓ 81	2321	858	1441	1438	1518	623	
	x 82	2334	982	1441	1438	1504	621	
23.4	✓ 83	2340	496	1342	1308	1498	623	
23.6	✓ 84	2365	730	1138	1158	1496	622	
	✓ 85	2372	798	1325	1338	1501	627	
23.8	✓ 86	2385	436	1342	1365	1491	622	
24.0	✓ 87	2400	388	1182	1122	1488	628	
	✓ 88	2400	901	1381	1388	1489	628	
24.2	✓ 89	2428	735	1364	1369	1501	602	
24.4	✓ 90	2442	1080	1451	1432	1493	619	
24.6	✓ 91	2475	863	1242	1238	1482	627	
	✓ 92	2465	871	1412	1436	1490	621	



RL - Dr	Mean Defl - Dr	Red. Defl.	Magn.	Remarks
862	765	887	—	
892	811	910	—	
881	834	946	—	
874	274	314	—	
889	633	712	—	
920	677	736	—	
935	705	754	—	
921	773	839	—	
920	787	856	—	
914	800	875	—	
910	829	911	—	
919	880	958	—	
895	839	937	780 <sup>x</sup>	
897	823	917	742 <sup>✓</sup>	
873	775	888	697 <sup>✓</sup>	
883	678	768	542 <sup>✓</sup>	
880	719	817	598 <sup>✓</sup>	
895	817	913	740 <sup>✓</sup>	
883	819	927	760 <sup>x</sup>	
975	702	803	582 <sup>✓</sup>	
874	526	602	413 <sup>✓</sup>	
974	705	807	588 <sup>✓</sup>	
969	732	842	630 <sup>✓</sup>	
860	524	609	414 <sup>✓</sup>	
961	756	878	678 <sup>✓</sup>	
899	764	851	642 <sup>✓</sup>	
874	823	942	798 <sup>✓</sup>	
855	613	718	498 <sup>✓</sup>	
869	803	924	760 <sup>✓</sup>	



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Strip	Star	y	x	Defl	Defl	Cl	Db	Wet
24.8	✓ 93	2481	599	1382	1369	1472	629	
	✓ 94	2493	677	1390	1342	1458	623	
25.0	✓ 95	2499	735	1375	1389	1461	627	
	x 96	2511	949	1389	1382	1488	622	
	x 97	2510	950	1302	1298	1491	629	
25.2	✓ 98	2522	598	1278	1263	1478	622	
	x 99	2529	630	1318	1378	1488	625	
	✓ 100	2529	182	1280	1289	1475	636	
	x 101	2521	769	1391	1396	1468	622	
	✓ 102	2524	831	1329	1338	1471	628	
25.4	✓ 103	2549	778	1300	1263	1463	631	
	15	2092	853	885	—	1472	628	
	1	1768	1015	1189	—	1478	622	
	2	—	—	1252	—	1495	632	
	3	—	—	1288	—	1501	623	
	4	—	—	1358	—	1489	628	
	5	—	—	1389	—	1484	632	
	6	—	—	1401	—	1473	629	
	7	—	—	1412	—	1491	633	
	8	—	—	1441	—	1497	628	5.10

Plate finished.



Cl-Dk	mean Defl.-Dk.	Red. Defl.	Magn.	Remarks
843	747	899	698 <sup>✓</sup>	
835	743	890	700 <sup>✓</sup>	
834	705	906	727 <sup>✓</sup>	
766	764	893	703 <sup>x</sup>	{ underneath circle on 8301)
862	671	779	554 <sup>x</sup>	
856	648	758	538 <sup>✓</sup>	
863	723	827	608 <sup>x</sup>	
839	648	773	551 <sup>✓</sup>	
846	772	913	740 <sup>x</sup>	
843	706	838	620 <sup>✓</sup>	
832	651	783	562 <sup>✓</sup>	
844	257	305	—	
756	567	663	—	
863	620	719	—	
878	665	757	—	
861	730	848	—	
852	757	889	—	
844	772	915	—	
858	779	908	—	
869	813	935	—	



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Step	Star	y	x	Defl.	Defl.	Cl.	Dk	volt.
	5	2090	882	757	—	1439	628	5.06
	1	1762	1034	1008	—	1472	632	
	2	—	—	1057	—	1501	629	
	3	—	—	1105	—	1506	633	
	4	—	—	1273	—	1478	632	
	5	—	—	1202	—	1523	638	
	6	—	—	1332	—	1498	642	
	7	—	—	1352	—	1500	639	
	8	—	—	1419	—	1508	642	
14.0	✓ 1	1415	805	1321	1313	1483	639	
14.6	✓ 2	1478	1498	1382	1362	1488	645	
14.8	✓ 3	1495	735	1061	1069	1473	652	
	✓ 4	1482	785	1378	1381	1489	661	
	✓ 5	1487	798	1361	1348	1483	650	
	✓ 6	1491	973	1299	1278	1482	647	
15.2	✓ 7	1522	500	1408	1389	1462	649	
	✓ 8	1533	847	1052	1069	1483	652	
15.6	✓ 9	1560	400	1332	1337	1478	658	
15.8	✓ 10	1583	782	1331	1328	1481	656	
16.0	✓ 11	1600	572	1289	1300	1475	649	
	✓ 12	1602	750	1168	1172	1481	651	
	✓ 13	1609	761	928	938	1479	650	
16.2	✓ 14	1625	416	1287	1258	1468	663	
	✓ 15	1631	918	981	993	1475	653	
16.6	✓ 16	1662	1178	1361	1322	1489	658	
16.8	✓ 17	1685	491	1329	1362	1482	655	
	✓ 18	1689	611	1268	1277	1471	658	
	✓ 19	1692	689	1368	1389	1468	657	
17.0	✓ 20	1709	592	1282	1300	1468	662	
	✓ 21	1700	1206	1278	1306	1492	668	



Cl-Dr	Mean Defl-Dr	Red. Defl.	Magn.	Remarks
811	129	159	—	
840	376	448	—	
872	428	491	—	
873	472	541	—	
846	641	758	—	
865	664	653	—	
856	690	806	—	
861	713	828	—	
866	777	898	—	
844	678	804	722 ✓	
843	727	863	789 ✓	
821	413	504	488 ✓	
728	719	868	790 ✓	
833	705	847	765 ✓	
835	641	768	689 ✓	
813	749	922	off curve ✓	
831	408	491	486 ✓	
820	676	825	740 ✓	
825	674	817	731 ✓	
826	645	781	700 ✓	
830	519	625	586 ✓	
829	283	342	374 ✓	
805	609	756	680 ✓	
822	334	406	420 ✓	
831	654	787	705 ✓	
827	691	836	750 ✓	
813	614	755	679 ✓	
811	721	889	820 ✓	
806	629	781	off curve ✓	
824	624	758	680 ✓	



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Step	Star	y	x	Defl.	Deffo	Cl.	Dk	volt
17.2	✓ 22	1723	1143	1355	1318	1487	656	
17.4	✗ 23	1751	302	1400	1412	1459	658	
17.6	✓ 24	1712	790	1238	1281	1471	655	
	✓ 25	1758	815	1295	1262	1479	659	
17.8	✓ 26	1789	331	1332	1337	1471	662	
18.0	✗ 27	1811	891	1412	1408	1475	659	
	✓ 28	1808	1001	1238	1223	1489	653	
	✓ 29	1806	1043	1351	1308	1493	655	
18.2	✓ 30	1828	728	1293	1282	1481	651	
18.6	✓ 31	1872	518	1338	1326	1487	659	
19.2	✓ 32	1930	388	1429	1401	1577	662	
	✗ 33	1927	442	1421	1412	1491	651	
	✓ 34	1933	560	1202	1262	1478	668	
	✓ 35	1932	562	1197	1193	1465	661	
	✓ 36	1929	1214	1318	1275	1473	662	
19.4	✓ 37	1949	438	1349	1378	1462	658	
	✗ 38	1951	506	1402	1422	1459	651	
	✓ 39	1955	560	1237	1249	1463	662	
	✓ 40	1943	755	1329	1321	1461	659	
	✓ 41	1951	820	1318	1305	1468	655	
19.6	✓ 42	1975	472	1305	1318	1475	662	
	✓ 43	1966	519	1358	1364	1489	661	
19.8	✓ 44	1995	521	1229	1257	1462	663	
	✓ 45	1995	546	1222	1198	1482	670	
	✓ 46	1989	1208	1359	1378	1505	673	
20.0	✓ 47	2010	620	1418	1376	1492	671	
20.2	✓ 48	2035	312	1342	1288	1481	673	
	✓ 49	2030	500	1305	1286	1492	671	
20.4	✓ 50	2043	258	1389	1411	1501	673	
	✓ 51	2041	580	1139	1127	1472	671	



Ce. - Dr.	Mean Diff. - Dr.	Red. Diff.	Magn.	Remarks
831	680	819	734 ✓	
801	748	934	off curve ✕	
816	605	742	670 ✓	
820	619	755	680 ✓	
804	672	831	750 ✓	
816	751	921	off curve ✕	
806	599	692	632 ✓	
838	675	806	721 ✓	
830	637	769	690 ✓	
828	673	813	732 ✓	
855	753	881	811 ✓	
840	765	911	off curve ✕	
810	564	696	631 ✓	
804	534	665	610 ✓	
811	634	782	702 ✓	
804	706	879	802 ✓	
808	761	942	off curve ✕	
801	581	725	604 ✓	
802	666	831	750 ✓	
813	657	809	722 ✓	
813	650	800	715 ✓	
828	700	846	765 ✓	
801	580	724	654 ✓	
812	540	665	611 ✓	
832	695	835	752 ✓	
821	726	884	818 ✓	
808	642	795	710 ✓	
821	625	762	689 ✓	
827	727	878	805 ✓	
801	462	577	550 ✓	



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Strip	Star	y	Y	Deg	Deg	Cl.	Db.	volt
20.6	✓ 52	2068	412	1407	1373	1482	671	
	✓ 53	2063	610	1268	1272	1472	668	
	✓ 54	2075	650	1142	1165	1493	664	
	✓ 55	2063	782	1418	1408	1491	672	
20.8	✓ 56	2094	743	1078	1048	1484	668	
21.0	✓ 57	2102	312	1281	1252	1490	670	
	✓ 57a	2117	389	1381	1374	1486	668	
	✓ 57b	2115	470	1192	1151	1478	673	
	✓ 57c	2112	860	1288	1258	1489	671	
	15	2092	882	792	—	1498	667	
	1	1762	1034	1052	—	1472	672	
	2	—	—	1128	—	1502	672	
	3	—	—	1158	—	1496	674	
	4	—	—	1248	—	1478	671	
	5	—	—	1258	—	1500	673	
	6	—	—	1315	—	1482	672	
	7	—	—	1372	—	1498	678	
	8	—	—	1419	—	1508	682	5.04

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5.22

	15	2092	882	742	—	1475	645	
	1	1762	1034	1079	—	1458	632	
	2	—	—	1118	—	1506	636	
	3	—	—	1135	—	1514	639	
	4	—	—	1252	—	1482	640	
	5	—	—	1261	—	1498	642	
	6	—	—	1319	—	1498	639	
	7	—	—	1332	—	1508	643	
	8	—	—	1402	—	1512	645	
21.2	✓ 58	2121	255	1272	1269	1505	649	
	✓ 59	2137	290	1331	1371	1495	653	



El. Sk.	Mean Defl. Sk.	Red Defl.	Magn.	Remarks
811	719	886	818 ✓	
804	602	750	673 ✓	
829	490	592	560 ✓	
819	741	905	847 ✓	
816	395	484	480 ✓	
820	596	727	660 ✓	
818	710	868	792 ✓	
805	499	620	580 ✓	
818	602	737	661 ✓	
831	125	151	—	
800	380	475	—	
830	456	549	—	
822	484	588	—	
807	577	716	—	
827	585	708	—	
810	643	794	—	
820	694	847	—	
826	737	893	—	
830	97	117	—	
826	447	542	—	
870	482	554	—	
875	496	567	—	
842	612	728	—	
856	619	723	—	
869	680	792	—	
865	689	796	—	
867	757	874	—	
856	621	726	645 ✓	
842	698	829	742 ✓	



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Strip	Star	y	z	Diff.	Diff.	cc.	Dk.	volt.
	✓ 60	2130	349	1301	1331	1478	657	
	✓ 61	2124	459	1228	1232	1499	655	
	✓ 62	2117	470	1211	1225	1501	659	
21.4	✓ 63	2139	350	1328	1311	1509	675	
	✓ 64	2150	768	1131	1142	1492	666	
21.6	✓ 65	2160	788	1305	1302	1509	658	
	✓ 66	2158	597	1296	1279	1498	661	
	✓ 67	2169	609	1349	1371	1493	663	
	✓ 68	2160	788	1300	1308	1501	659	
21.8	✓ 69	2181	527	1292	1319	1493	662	
	✓ 70	2181	630	1398	1422	1501	667	
22.0	✓ 71	2203	252	1378	1389	1492	659	
	✓ 72	2212	258	1328	1301	1518	662	
	✓ 73	2200	368	1252	1212	1498	660	
	✓ 74	2202	1162	1265	1278	1528	657	
22.2	✓ 75	2235	1000	1333	1369	1514	662	
22.4	✓ 76	2245	610	1348	1318	1492	665	
22.6	✓ 77	2265	342	1382	1399	1502	662	
	✓ 78	2260	958	1298	1298	1508	668	
	✓ 79	2269	1162	1328	1324	1511	672	
23.0	✓ 80	2308	850	1409	1375	1499	668	
23.2	✓ 81	2325	430	1355	1368	1482	662	
	✓ 82	2335	511	1269	1258	1493	665	
	✓ 83	2320	748	1289	1228	1496	668	
	✓ 84	2318	849	1353	1348	1492	660	
	✓ 85	2332	958	1229	1200	1487	666	
23.4	✓ 86	2340	870	1378	1389	1500	657	
23.6	✓ 87	2360	746	981	984	1472	661	
	✓ 88	2368	812	1222	1228	1481	658	
23.8	✓ 89	2382	450	1337	1302	1478	663	



Cl- Sk	<sup>mean</sup> Defl- Sk	Red Defl.	Magn.	Remarks
827	665	804	721 ✓	
844	575	682	610 ✓	
842	559	664	596 ✓	
834	645	774	694 ✓	
826	470	569	522 ✓	
851	646	759	670 ✓	
837	627	749	662 ✓	
830	697	840	758 ✓	
842	645	766	688 ✓	
831	644	775	692 ✓	
834	743	891	823 ✓	
833	725	871	795 ✓	* <del>outside circle of 3301</del> " " " "
856	652	762	680 ✓	
838	572	683	610 ✓	
871	615	706	630 ✓	
852	689	799	710 ✓	
887	668	808	721 ✓	
840	728	867	790 ✓	
840	630	751	670 ✓	
839	654	780	698 ✓	
831	724	872	800 ✓	
820	700	853	772 ✓	
827	599	724	646 ✓	
827	590	713	637 ✓	
832	690	830	749 ✓	
821	549	669	598 ✓	
843	727	863	785 ✓	
811	321	396	400 ✓	
823	567	690	616 ✓	
815	657	807	720 ✓	



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Strip	Star	y	x	Diff.	Diff.	Cl	Dk.	volt.
	X 90	2391	759	1449	1439	1499	668	
24.0	✓ 91	2399	402	1122	1075	1482	671	
24.2	✓ 92	2421	750	1298	1322	1492	667	
	✓ 93	2422	750	1272	1288	1488	662	
24.4	X 94	2452	536	1408	1386	1481	659	
24.6	✓ 95	2462	460	1282	1285	1482	665	
	✓ 96	2469	880	1205	1148	1508	656	
24.8	✓ 97	2476	612	1371	1369	1482	668	
25.0	X 98	2515	784	1400	1397	1489	662	
	X 99	2506	965	1311	1323	1508	665	
	X 100	2506	1033	1258	1272	1478	671	
25.2	✓ 101	2525	700	1198	1248	1473	666	
	✓ 101	2518	612	1219	1248	1491	659	
	X 103	2525	648	1358	1368	1481	662	
	✓ 104	2523	700	1182	1202	1472	656	
	✓ 105	2519	849	1282	1253	1488	652	
25.4	✓ 106	2542	792	1249	1232	1482	657	
Plate finished.	15	2091	882	818	—	1488	658	
	1	—	—	1028	—	1481	665	
	2	—	—	1110	—	1499	662	
	3	—	—	1158	—	1495	657	
	4	—	—	1248	—	1485	668	
	5	—	—	1250	—	1489	671	
	6	—	—	1325	—	1482	668	
	7	—	—	1358	—	1478	662	
	8	—	—	1404	—	1478	648	5.18



Cl-De	Mean Defl-De	Red. Defl.	Magn.	Remarks
831	771	928	off curve <sup>x</sup>	
811	427	527	490 ✓	
825	643	780	697 ✓	
826	618	749	666 ✓	
822	738	897	830 <sup>x</sup>	
817	619	758	671 ✓	
852	520	611	553 ✓	
814	702	863	782 ✓	
827	736	890	870 <sup>x</sup>	
843	652	774	690 <sup>x</sup>	outside
807	594	737	656 <sup>x</sup>	outside circle of 3301
807	557	691	620 ✓	
832	575	691	618 ✓	
819	701	856	778 <sup>x</sup>	
816	536	658	588 ✓	
836	616	737	656 ✓	
825	583	707	620 ✓	
830	160	198		
816	363	445		
837	448	536		
838	501	598		
817	580	710		
818	579	708		
814	657	808		
816	696	853		
830	756	911		



202

Plate very hazy. Difficult to measure.  
 m.m. - KH 4267 - Sept. 8, 1932.

Step	Star	y	x	Defl.	Defl	Cl	Dr	volt.
	1s	2018	722	778	—	965	678	500
	1	2258	1000	819	—	958	692	
	2	—	—	872	—	961	682	
	3	—	—	908	—	978	688	
	4	—	—	898	—	959	688	
	5	—	—	922	—	979	687	
	6	—	—	941	—	971	688	
	7	—	—	951	—	980	694	
	8	—	—	971	—	988	699	
14.0	1	1408	562	902	890	941	697	
14.6	2	1459	820	922	920	940	696	
14.8	3	1489	700	891	902	938	699	
15.0	4	1518	428	933	922	955	700	
15.4	5	1542	712	921	913	949	700	
16.0	6	1605	1178	925	922	958	698	
16.4	7	1648	559	885	895	956	702	
17.0	8	1702	1225	899	909	972	700	
18.0	9	1802	512	861	867	972	701	
18.4	10	1845	642	921	915	978	705	
18.8	11	1879	674	796	785	971	701	
19.0	12	1909	577	932	925	978	698	
19.6	13	1969	1120	722	718	971	696	
20.2	14	2031	375	898	890	989	701	
	15	2037	378	941	952	988	708	
	16	2032	1113	965	968	998	700	
21.4	17	2150	572	928	926	978	709	
	18	2150	589	942	953	1001	712	
21.8	19	2188	762	895	887	981	710	
22.0	20	2215	390	918	917	972	698	
	21	2265	862	932	941	973	712	



Cl-Dr	Mean Defl-Dr	Red. Defl.	Magn.	Remarks
287	100	348	—	
266	127	477	—	
279	190	682	—	
290	220	758	—	
271	210	775	—	
292	235	805	—	
283	253	894	—	
286	257	899	—	
279	272	942	—	
244	199	819	633	
244	225	924	762	
239	187	783	603	
255	227	894	720	
249	217	872	692	
280	226	807	622	
254	188	741	570	
272	204	750	575	
271	163	602	463	
273	213	780	600	
270	89	330	off curve	
280	230	822	640	
275	24	87	594	
278	193	671	515	
280	238	850	668	
298	266	994	720	
269	218	811	630	
289	236	817	630	
271	181	668	510	
274	220	804	622	
261	224	858	675	



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m.m. - RH 4267 - Sept. 8, 1932.

Step	Star	y	x	Defl.	Defl.	Cl.	DR.	volt.
Plate finished	1 <sub>s</sub>	2018	722	815	—	982	715	
	1	2258	1000	872	—	980	719	
	2	—	—	902	—	989	716	
	3	—	—	917	—	1000	712	
	4	—	—	925	—	985	718	
	5	—	—	938	—	981	709	
	6	—	—	967	—	987	714	
	7	—	—	965	—	990	718	
	8	—	—	993	—	1002	721	5.00



Cl. - Sh	<sup>mean</sup> Depl. - Sh	Red. Depl.	Magn.	Remarks
267	100	374	—	
261	153	587	—	
273	186	682	—	
288	205	712	—	
267	207	776	—	
272	229	843	—	
273	253	927	—	
272	247	920	—	
281	272	968	—	



206 Plate hazy m.m. - RH 4268 - Sept. 29, 1932.

Step	Star	y	x	Dogg.	Dogg.	el.	Dk.	net
	k	2020	737	1142		1379	1118	5.20
	1	2248	1023	1165		1400	1125	
	2	—	—	1225		1401	1121	
	3	—	—	1250		1392	1125	
	4	—	—	1228		1390	1118	
	5	—	—	1286		1387	1125	
	6	—	—	1328		1385	1128	
	7	—	—	1298		1393	1126	
	8	—	—	1358		1391	1122	
14.0	✓ 1	1410	581	1306	1302	1358	1127	
14.6	✓ 2	1468	675	1340	1333	1356	1131	
14.8	✓ 3	1489	718	1300	1293	1362	1132	
15.2	✓ 4	1522	444	1338	1342	1381	1142	
15.4	✓ 5	1543	780	1328	1328	1371	1138	
16.0	✓ 6	1604	1197	1338	1342	1387	1136	
16.2	✓ 7	1634	1022	1322	1328	1383	1141	
16.4	✓ 8	1652	578	1273	1278	1390	1148	
17.0	✓ 9	1700	1255	1291	1282	1401	1144	
18.0	✓ 10	1805	533	1252	1255	1411	1139	
18.2	✓ 11	1823	849	1350	1353	1402	1142	
18.4	✓ 12	1845	664	1312	1308	1399	1147	
18.8	✓ 13	1882	357	1358	1369	1409	1146	
	✓ 14	1896	699	1182	1191	1399	1142	
19.0	✓ 15	1910	600	1339	1342	1406	1142	
19.6	✓ 16	1960	912	1357	1363	1400	1148	
	x 17	1968	1153	1149	1138	1381	1148	
	✓ 18	1975	1397	1262	1259	1400	1143	
20.0	✓ 19	2015	1268	1358	1365	1418	1147	
20.2	✓ 20	2028	1139	1358	1366	1421	1150	
20.4	✓ 21	2138	400	1290	1292	1412	1148	



Cl. - Sk	Mean Defl. - Sk	Red. Defl.	Magn	Remarks
261	24	92	—	
275	40	145	—	
280	104	372	—	
267	125	468	—	
272	110	405	—	
262	161	614	—	
257	200	779	—	
267	172	642	—	
269	236	878	—	
231	177	766	738 ✓	
225	205	911	off curve ✓	
230	164	714	702 ✓	
239	198	829	787 ✓	
233	190	816	775 ✓	
251	204	813	778 ✓	
242	184	761	740 ✓	
242	188	529	595 ✓	
257	142	552	610 ✓	
272	115	423	542 ✓	
260	210	808	770 ✓	
252	163	647	660 ✓	
263	218	829	787 ✓	
257	44	171	362 ✓	
264	198	750	726 ✓	
252	212	842	800 ✓	
233	-4		X	
257	117	456	559 ✓	
271	215	794	760 ✓	
271	212	783	750 ✓	
264	143	542	605 ✓	



h.m. - RH 4268 - Sept. 29, 1932

Step	Star	y	x	Defl.	Defl.	Cl.	Dk.	volt.
X	22	2043	400	1349	1365	1412	1148	
	18	2020	737	1182	—	1392	1141	
	1	2248	1023	1209	—	1402	1146	
	2	—	—	1264	—	1399	1148	
	3	—	—	1286	—	1408	1151	
	4	—	—	1268	—	1404	1142	
	5	—	—	1323	—	1392	1146	
	6	—	—	1343	—	1393	1151	
	7	—	—	1328	—	1405	1152	
	8	—	—	1368	—	1401	1149	518

continued in Book 89, page 2.



Cl. Sh	Mean Depth Sh	Red Dpth	Magn.	Remarks
264	209	793	759 <sup>x</sup>	
251	41	163	—	
256	63	246	—	
251	116	462	—	
257	135	526	—	
262	126	481	—	
246	177	720	—	
242	192	794	—	
253	176	696	—	
252	219	870	—	



26JP-R # 3507- Nov. 26, 1932.

Strip	Star	y	x	Defl	Defl	cl.	2k	volt.
	1	2030	932	567	—	1462	503	
	1	1703	770	803	—	1463	509	
	2	—	—	952	—	1462	512	
	3	—	—	1047	—	1457	503	
	4	—	—	1111	—	1447	523	
	5	—	—	1202	—	1442	507	525
	6	—	—	1248	—	1442	508	
	7	—	—	1217	—	1418	513	
	8	—	—	1357	—	1432	516	
14.4	x <sub>1</sub>	1452	897	1258	1273	1417	513	
15.0	x <sub>2</sub>	1497	722	1352	1363	1409	513	
	x <sub>3</sub>	1510	913	1249	1257	1397	512	
15.2	v <sub>4</sub>	1531	719	1242	1263	1393	512	
	v <sub>5</sub>	1530	1102	609	592	1398	507	
15.6	x <sub>6</sub>	1570	527	1308	1327	1383	509	
15.8	x <sub>7</sub>	1591	680	1327	1340	1403	506	
16.2	v <sub>8</sub>	1637	429	1189	1217	1391	497	
	v <sub>9</sub>	1627	866	1213	1178	1398	493	
	v <sub>10</sub>	1632	1200	1261	1258	1417	484	
16.4	v <sub>11</sub>	1640	1203	1243	1222	1419	502	
16.6	x <sub>12</sub>	1667	1128	1368	1372	1452	507	
16.8	v <sub>13</sub>	1690	537	1337	1303	1394	513	
	v <sub>14</sub>	1690	1099	1278	1283	1427	499	
	v <sub>15</sub>	1691	1293	1304	1300	1418	508	
17.4	v <sub>16</sub>	1743	<del>540</del> 540	1263	1262	1394	507	
	v <sub>17</sub>	1753	598	1312	1282	1393	493	
	v <sub>18</sub>	1750	603	1222	1193	1378	490	
	v <sub>19</sub>	1748	880	1243	1176	1423	492	
	v <sub>20</sub>	1748	1013	1218	1194	1415	489	
17.6	v <sub>21</sub>	1771	936	1272	1249	1397	512	



Cl-dk	Mean Defl-dk	Red Defl.	Magn	Remarks
959	64	67	—	
954	294	308	—	
950	440	463	—	
954	544	570	—	
924	588	637	—	
935	695	744	—	
934	740	793	—	
905	704	778	—	
916	841	918	—	
904	753	833	<del>743</del> 743	} outside circle on 4+5 due to seq. variation
896	845	944	off curve	
885	741	838	748	
981	740	754	674 ✓	
891	93	104	278 ✓	
874	809	926	849 ✗	
897	828	923	844 ✗	
894	706	790	705 ✓	
905	703	777	695 ✓	
933	776	832	742 ✓	
917	730	796	710 ✓	
945	863	913	833 ✗	
881	807	916	836 ✓	
928	781	842	751 ✓	
910	794	872	782 ✓	
887	755	852	762 ✓	
900	804	893	807 ✓	
888	718	809	722 ✓	
971	718	739	662 ✓	
929	717	772	691 ✓	
895	758	847	756 ✓	



XJP-R 2507- Nov. 26, 1932

Strip	Star	y	x	Defl.	Defl.	Cl	Dr.	volt.
17.8	✓22	1778	658	1263	1262	1364	488	
	✓23	1788	678	1316	1294	1397	483	
18.0	✓24	1810	381	1272	1282	1359	493	
	✓25	1809	1007	1073	1087	1433	502	
18.2	✓26	1830	331	897	961	1378	492	
	✓27	1810	939	1237	1278	1420	492	
18.4	✓28	1850	432	1292	1320	1380	493	
	✓29	1852	698	1343	1288	1386	493	
18.8	✓30	1890	649	1119	1113	1397	503	
	✓31	1891	1016	1292	1300	1412	493	
19.2	x32	1931	1018	1352	1353	1428	493	
19.4	x33	1940	1418	1208	1172	1422	493	
19.6	✓34	1966	1007	1177	1188	1408	502	
19.8	✓35	1992	1126	1017	1000	1441	498	
20.0	✓36	2000	427	1262	1288	1373	498	
	✓37	2010	499	1157	1193	1400	503	
	✓38	2008	800	1237	1213	1412	503	
	✓39	1999	1197	1333	1328	1428	488	
	✓40	1998	1373	982	1013	1403	492	
	10	2030	932	572	—	1388	493	
	1	1703	770	842	—	1413	489	525
	2	—	—	943	—	1413	497	
	3	—	—	1028	—	1417	487	
	4	—	—	1062	—	1409	489	
	5	—	—	1098	—	1356	483	
	6	—	—	1217	—	1403	487	
	7	—	—	1167	—	1384	482	
	8	—	—	1303	—	1387	489	



Cl-Dr.	Defl-Dr.	Red Defl.	Magn.	Remarks
876	780	891	805 ✓	
914	822	899	813 ✓	
866	784	906	821 ✓	
931	578	622	591 ✓	
886	437	494	522 ✓	
928	766	826	737 ✓	
887	813	917	837 ✓	
893	823	922	843 ✓	
894	613	686	625 ✓	
919	803	894	784 ✓	
935	859	919	840 *	
929	697	752	672 ✓	(outside circle, 4445)
906	680	751	671 ✓	
943	510	541	547 ✓	
875	777	888	801 ✓	
897	672	749	670 ✓	
909	722	794	708 ✓	
940	842	896	809 ✓	
911	506	555	554 ✓	
895	79	88	—	
924	353	382	—	
916	446	487	—	
930	541	583	—	
920	573	623	—	
870	615	708	—	
916	730	797	—	
902	685	760	—	
898	814	907	—	



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32P-RH 3507-

Nov. 27, 1932

Step	Star	y	x	Defl	Defl	Q	Sk.	vol.
	1	2030	933	573	—	1513	532	526
	1	1703	771	863	—	1492	542	
	2	—	—	998	—	1488	527	
	3	—	—	1017	—	1488	523	
	4	—	—	1032	—	1463	551	
	5	—	—	1060	—	1422	558	
	6	—	—	1218	—	1473	532	
	7	—	—	1222	—	1452	537	
	8	—	—	1352	—	1458	532	
20.2	V <sub>41</sub>	2028	343	1209	1232	1428	520	
	V <sub>42</sub>	2030	887	1287	1312	1463	532	
20.4	V <sub>43</sub>	2038	308	1318	1238	1432	532	
20.8	V <sub>44</sub>	2077	727	1113	1113	1438	542	
	V <sub>45</sub>	2089	808	1249	1242	1442	548	
	X <sub>46</sub>	2078	1369	1272	1352	1452	546	
21.0	V <sub>47</sub>	2100	497	1409	1319	1432	543	
	V <sub>48</sub>	2116	1131	1376	1339	1470	552	
	V <sub>49</sub>	2100	1396	1308	1342	1453	547	
21.2	V <sub>50</sub>	2121	652	1243	1269	1437	542	
	V <sub>51</sub>	2130	658	1217	1219	1447	540	
21.8	V <sub>52</sub>	2188	757	1257	1309	1428	532	
	V <sub>53</sub>	2180	895	1302	1318	1467	532	
	V <sub>54</sub>	2182	1129	970	939	1462	523	
22.0	V <sub>55</sub>	2206	333	1296	1392	1423	528	
	V <sub>56</sub>	2197	703	1208	1162	1442	527	
	V <sub>57</sub>	2211	743	1180	1197	1437	523	
	V <sub>58</sub>	2207	906	1213	1323	1429	521	
	V <sub>59</sub>	2200	1301	1283	1283	1453	519	
22.2	V <sub>60</sub>	2231	588	1048	1058	1396	512	
	V <sub>61</sub>	2231	962	1347	1328	1450	522	



Q-DA	Defl.-DA	Red. Defl.	Magn.	Remarks
981	41	43	—	
950	321	337	—	
961	471	488	—	
965	494	510	—	
912	481	527	—	
864	502	581	—	
941	686	726	—	
915	685	737	—	
926	820	884	—	
898	690	769	736 ✓	
931	768	824	778 ✓	
900	746	829	782 ✓	
896	571	638	647 ✓	
894	698	780	745 ✓	
906	766	845	795 ✗	
889	821	923	off curve ✓	
918	806	877	822 ✓	
906	778	860	807 ✓	
895	714	797	755 ✓	
907	678	750	722 ✓	
896	751	837	788 ✓	
935	778	833	785 ✓	
939	431	459	517 ✓	
895	816	912	856 ✓	
915	658	719	705 ✓	
914	665	728	707 ✓	
908	792	822	819 ✓	
934	764	811	768 ✓	
884	541	619	634 ✓	
928	816	879	825 ✓	



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J.P.-R. 43507 - Nov. 27, 1932.

Step	Star	y	x	Defl.	Defl.	Q.	Dk.	volt.
22.4	62	✓ 2240	1208	1252	1247	1427	509	
	63	✓ 2240	1203	1340	1243	1417	508	
	64	✓ 2253	1357	1250	1268	1432	502	
22.6	65	✓ 2270	917	1253	1337	1407	501	
	66	✓ 2273	1170	1298	1208	1460	522	
22.8	67	✓ 2280	368	1128	1211	1407	522	
	68	✓ 2293	830	1277	1243	1422	523	
	69	✓ 2291	1067	1148	1183	1449	522	
23.0	70	✓ 2308	1177	1212	1182	1439	520	
23.2	71	✓ 2327	591	1312	1327	1402	522	
23.6	72	✓ 2361	429	1168	1212	1373	507	
	73	✓ 2369	773	1192	1082	1257	* 503	
	74	✓ 2366	850	1093	1153	1370	502	
23.8	75	✓ 2390	939	1258	1239	1393	513	
24.0	76	✓ 2405	409	1283	1238	1351	504	
	77	✓ 2410	1280	1213	1143	1417	512	
24.2	78	✓ 2417	610	1182	1177	1382	513	
	79	✓ 2421	940	1266	1282	1383	510	
24.4	80	✓ 2440	473	1249	1259	1354	520	
	81	✓ 2441	698	1207	1253	1398	517	
	82	✓ 2441	768	903	888	1377	510	
24.6	83	✓ 2473	999	992	1078	1397	517	
	84	✓ 2458	1007	1269	1212	1400	517	
24.8	85	✓ 2482	557	1200	1147	1362	522	
	86	✓ 2490	579	1087	1103	1410	518	
25.2	87	✓ 2520	673	1203	1258	1357	522	
	88	✓ 2517	720	1232	1222	1373	518	
25.4	89	✓ 2530	1108	1060	1100	1378	522	
	90	✓ 2541	1198	1003	1162	1378	521	
25.6	91	✓ 2563	968	1237	1273	1352	523	



Cl.-Dk.	Defl.-Dk.	Red Defl.	Magn.	Remarks
918	741	810	767 ✓	
909	792	876	822 ✓	
930	757	812	769 *	(outside circle)
906	794	875	821 ✓	
938	731	779	742 ✓	
885	648	733	712 ✓	
899	737	820	775 ✓	
927	644	694	685 ✓	
919	677	737	713 ✓	
880	798	908	853 ✓	
866	682	787	749 ✓	
754	634	841	791 ✓	
868	621	715	698 ✓	
880	735	836	786 *	
847	756	893	838 *	
905	666	736	712 *	(outside circle)
869	667	768	735 ✓	
873	764	875	822 ✓	
834	734	880	826 ✓	
871	713	818	772 ✓	
867	386	440	504 ✓	
880	518	588	611 ✓	
883	723	819	773 ✓	
840	651	775	741 ✓	
892	577	647	653 ✓	
835	708	848	798 ✓	
855	709	820	783 ✓	
852	568	664	666 *	(outside circle on 4445)
857	561	655	658 *	" " " "
829	732	884	828 *	" " " "

\* Deflection  
plate at the  
point of  
for reading



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XGP-RH 3507 - Nov. 27, 1932

Strip	Star	y	x	Defl.	Defl.	Cl	Dk.	volt
25.8	92 <sup>y</sup>	2581	917	1182	1092	1372	523	
26.0	93 <sup>7</sup>	2607	823	970	1012	1358	528	
26.2	94 <sup>7</sup>	2621	858	972	903	1370	522	
	95 <sup>7</sup>	2618	1090	1049	1098	1398	528	
	1 <sup>x</sup>	2630	933	582	—	1367	523	
	1	1703	771	952	—	1376	528	
	2	—	—	923	—	1418	531	
	3	—	—	998	—	1413	532	
	4	—	—	1082	—	1383	537	
	5	—	—	1132	—	1393	528	
	6	—	—	1113	—	1392	532	
	7	—	—	1173	—	1388	538	
	8	—	—	1292	—	1392	532	520



Cl.-Dt.	Diff.-Dt.	Red. Diff.	Magn.		Remarks
849	614	723	705	x	(outside circle on 4445)
830	463	558	589	x	" " " "
848	416	491	542	x	" " " "
870	546	628	640	x	" " " "
844	59	70	—		
848	424	500	—		
887	392	492	—		
881	466	529	—		
846	545	644	—		
865	604	701	—		
860	581	676	—		
850	635	747	—		
860	760	888			



Strip	Star	y	x	Defl.	Defl.	Cl.	Defl.	volt.
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