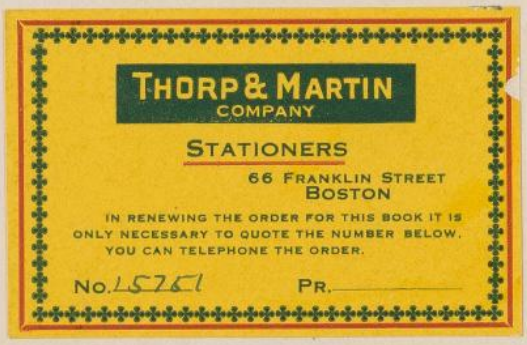
1931phae.proj.2273C

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1931phae.proj.2273C



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1931phae.proj.22780

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1931phae.proj.227dc

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1931phae.proj.227..

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1931phae.proj.227MC

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1931phae.proj.2273C

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1931phae.proj.22730

M7. 8037.

Nov. 4, 1931
Cont from 190, 56

F.C.	~~1301~~	
1301	2	a_0
1302	1	78
1303	4	K_2
1304	5	a_2
1305	6	a_0
1306	1	K_0
1307	3	K_2
1308	2	a_3 ~~3~~
1309	6	K_0
1310	4	K_0
1311	5	a_2
1312	2	a_3
1313	4	75
1314	4	a_3
1315	7	a_0
1316	6	a_0
1317	5	G_0
1318	3	a_3
1319	2	a_5
1320	3	G_5
1321	6	K_0
1322	4	a_0
1323	1	K_5
1324	3	a_2
1325	5	7_0

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1931phae.proj.2278c

T 18928 Dec. 15, 1931

1301	+29°	3898	20h	1.6	+29°	21	9.4	
1302								Hot in Dm.
1303	+30	3907	20	2.1	+30	4	8.8	✓
1304	+30	3909	20	2.2	+30	2	9.1	✓
1305	+30	3908	20	2.2	+30	16	9.2	✓
1306	+30	3910	20	2.5	+30	22	9.5	✓
1307								Hot in Dm.
1308								Hot in Dm.
1309	+30	3911	20	2.6	+30	6	8.7	✓
1310	+30	3913	20	2.8	+30	11	9.1	✓
1311	+30	3912	20	2.7	+30	16	9.1	✓
1312								Hot in Dm.
1313								Hot in Dm.
1314								Hot in Dm.
1315	+30	3915	20	3.3	+30	8	9.1	✓
1316	+30	3918	20	3.4	+30	5	9.4	✓
1317	+30	3916	20	3.3	+30	18	9.5	✓
1318								Hot in Dm.
1319								Hot in Dm.
1320								Hot in Dm.
1321	+30	3920	20	3.8	+30	18	8.8	✓
1322	+30	3921	20	3.9	+30	15	9.5	✓
1323								Hot in Dm.
1324								Hot in Dm.
1325	+30	3923	20	4.4	+30	8	9.5	✓

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1931phae.proj.22730

Nov. 4, 1931

n7-8037

7.c.

1326	2	a3
1327	3	m0
1328	2	78
1329	2	K7
1330	6	a3
1331	3	a3
1332	3	a2
1333	6	a2
1334	2	a0
1335	5	78
1336	1	75
1337	2	Y0
1338	5	a0
1339	1	a7
1340	2	Y0
1341	2	F8
1342	5	75
1343	3	a7
1344	4	K7
1345	6	K2
1346	2	a7
1347	4	70
1348	1	a2
1349	2	Y5
1350	3	a5

Partly esp. on 1342

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1931phae.proj.22750

I 18928 Dec. 15 1931

1326								Not in Dm. ✓
1327	+30°	3925	20h	4.7m	+30°	24'	9.3	✓
1328								Not in Dm. ✓
1329								Not in Dm. ✓
1330	+30	3926	20	4.8	+30	16	9.0	✓
1331								Not in Dm. ✓
1332								Not in Dm. ✓
1333	+30	3930	20	5.2	+30	28	9.2	✓
1334								Not in Dm. ✓
1335								Not in Dm. ✓
1336								Not in Dm. ✓
1337								Not in Dm. ✓
1338	+30	3931	20	5.3	+30	45	9.3	✓
1339								Not in Dm. ✓
1340	+30	3932	20	5.9	+30	47	9.5	✓
1341	+30	3934	20	6.0	+30	39	9.3	✓
1342	+30	3936	20	6.0	+30	42	9.2	✓
1343								Not in Dm. ✓
1344								Not in Dm. ✓
1345	+30	3933	20	6.0	+30	57	8.7	✓
1346								Not in Dm. ✓
1347								Not in Dm. ✓
1348								Not in Dm. ✓
1349	30	3942a	20	6.7	+30	55	9.5	~~Not in Dm.~~ ✓
1350								Not in Dm. ✓

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1931phae.proj.22730

Nov. 4, 1931

gn7 8037

7.c.

1351	7	a_3
1352	6	G_0
1353	2	F_5
1354	2	a_2
1355	3	a_3
1356	1	F8
1357	4	a_2
1358	2	G_0
1359	7	a_7
1360	4	K_0
1361	4	a_2
1362	3	F_5
1363	3	K_0
1364	4	a_5
1365	1	K_2
1366	4	G_5
1367	2	F8
1368	3	a_3
1369	4	a_0
1370	2	G_0
1371	5	K_0
1372	2	a_7
1373	3	G_0
1374	2	G_5
1375	2	a_5

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1931phae.proj.227dc

I 18928 Dec. 15, 1931

1351	+30°	3944	20h	7.0m	+30°	54′	9.2	✓
1352	+30	3943	20	6.8	+30	50	9.2	✓
1353								Not in Dm. ✓
1354								Not in Dm. ✓
1355								Not in Dm. ✓
1356								Not in Dm. ✓
1357	+30	3945	20	7.1	+30	27	9.5	✓
1358								Not in Dm. ✓
1359	+30	3947	20	7.4	+30	40	8.5	✓
1360	+30	3948	20	7.4	+30	18	9.3	✓
1361								Not in Dm. ✓
1362	+30	3949	20	7.7	+30	2	9.5	✓
1363	+30	3952	20	8.2	+30	0	9.3	✓
1364	+30	3951	20	8.2	+30	5	9.3	✓
1365								Not in Dm. ✓
1366	+29	3945	20	8.2	+29	55	9.1	✓
1367								Not in Dm. ✓
1368								Not in Dm. ✓
1369	+29	3948	20	7.9	+29	48	9.5	✓
1370								Not in Dm. ✓
1371	+29	3949	20	8.8	+29	00	8.7	✓
1372								Not in Dm. ✓
1373								Not in Dm. ✓
1374								Not in Dm. ✓
1375	+30	3956	20	8.5	+30	16	9.4	✓

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1931phae.proj.22768

8

Nov. 4, 1931

7 8037

7.C.

1376	6	a2
1377	4	.70
1378	4	G5
1379	4	a0
1380	3	a
1381	3	a2
1382	1	a0
1383	3	a5
1384	2	a7
1385	2	G0
1386	3	G0
1387	1	G5
1388	7	78
1389	1	K5
1390	6	75
1391	4	78
1392	1	a
1393	1	72
1394	1	M4 br. Hydro. lines. Known Var.
1395	6	70
1396	3	a3
1397	2	G0
1398	3	a2
1399	3	K0
1400	2	K0

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1934phae.proj.22738

I 18928 Dec. 15, 1931

1376	+30	3955	20	8.5	+30	28	8.9	
1377	+30	3957	20	8.6 9.1	+30	32	9.1	✓
1378	+30	3953	20	8.4	+30	22	9.0	✓
1379	+30	3954	20	8.4	+30	26	9.2	✓
1380								Not in Dm. ✓
1381								Not in Dm. ✓
1382								Not in Dm. ✓
1383	+30	3950	20	8.1	+30	46	9.5	✓
1384								Not in Dm. ✓
1385								Not in Dm.
1386	+31	3997	20	8.0	+31	1	9.5	✓
1387								Not in Dm. ✓
1388	+31	3999	20	8.4	+31	8	8.7	✓
1389	+31	4000	20	8.4	+31	17	9.5	✓
1390	+31	4006	20	9.1	+31	6	8.5	✓
1391	+30	3960	20	9.4	+30	56	9.1	✓
1392								Not in Dm. ✓
1393								Not in Dm. ✓
1394	+30	3960w 5 ~~3961~~ 4	20	8.8 9.8	+30	38	var. ~~9.4~~	
1395	+30	3961	20	9.8	+30	33	9.1	
1396	+30	3967 5	20	9.8 9.4	+30	38	9.4	
1397	+30	3963	20	9.8	+30	42	9.3	✓
1398								Not in Dm. ✓
1399	+30	3971	20	10.2	+30	26	9.3	✓
1400								Not in Dm. ✓

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1931phae.proj.22740

Nov. 4, 1931

M7. 8037

7.c.

1401	2	A0
1402	4	A2
1403	1	F2
1404	3	F8
1405	5	A3
1406	5	G0
1407	3	K0
1408	3	A2
1409	1	G5
1410	1	A5
1411	1	A3
1412	4	A3
1413	4	F0
1414	4	F2
1415	1	F8
1416	2	A2
1417	2	G5
1418	2	F5
1419	2	F8
1420	3	A3
1421	6	F2
1422	6	K0
1423	2	K2
1424	4	M0
1425	2	A2

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1931phae.proj.22730

I 18928 Feb. 12, 1932

1401								Not in Dm.
1402	+30°	3966	20	9.9	+30	18	8.8	Not in DM
1403								Not in Dm.
1404								Not in Dm.
1405	+30	3969 (70)	20	10.1	+30	3	9.2	✓
1406	+30°	3968	20	10.0	+30	4	9.4	✓
1407	+30	3961	20	9.8	+30	12	9.5	✓
1408								Not in Dm.
1409								Not in Dm.
1410								Not in Dm.
1411	+29	3956	20	9.3	+29	52	9.3	✓
1412	+29	3955	20	9.2	+29	44	9.3	✓
1413	+29	3958	20	9.4	+29	44	9.4	✓
1414								Not in Dm.
1415								Not in Dm.
1416								Not in Dm.
1417								Not in Dm.
1418	+29	3961	20	9.9	+29	9	9.5	✓
1419								Not in Dm.
1420	+29	3962	20	10.2	+29	4	9.4	✓
1421	+28	3680 / ~~3956~~	19 / ~~20~~	9.7 / ~~10.1~~	+28	44 / ~~52~~	8.9 / ~~9.3~~	✓
1422	+28	3682 / ~~3959~~	20 / ~~19~~	10.2 / ~~10.4~~	+28	36 / ~~49~~	8.8 / ~~9.0~~	✓
1423	+29	3963	20	10.5	+29	12	9.4	✓
1424	+29	3964	20	10.5	+29	20	8.6	✓
1425								Not in Dm.

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1931phae.proj.22748

Nov. 4, 1931

M 7 = 8 P 37.

7.C.

1426	3	75
1427	5	a2
1428	1	a
1429	1	K0
1430	5	75
1431	5	a2
1432	7	78
1433	2	72
1434	1	G
1435	4	78
1436	1	a2
1437	2	G5
1438	7	a0
1439	1	a0
1440	1	G5
1441	2	72
1442	1	G5
1443	2	B9
1444	1	G5
1445	2	78
1446	2	a0
1447	4	B8
1448	4	a2
1449	1	75
1450	1	a2

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1931phae.proj.22708

I 18928 Feb. 12, 1932

1426	+29°	3967	20	10.9	+29°	8'	9.4	✓
1427	+29	3966	20	10.6	+29	29	9.3	✓
1428								Not in Dm. ✓
1429								Not in Dm. ✓
1430	+29	3965	20	10.6	+29	49	9.2	✓
1431	+30	3973	20	10.5	+30	2	9.4	✓
1432	+30	3972	20	10.6	+30	15	9.2	✓
1433								Not in Dm. ✓
1434								Not in Dm. ✓
1435	+30	3974	20	10.9	+30	30	9.4	✓
1436								Not in Dm. ✓
1437								Not in Dm. ✓
1438	+30	3975	20	11.4	+30	32	9.0	✓
1439								Not in Dm. ✓
1440								Not in Dm. ✓
1441								Not in Dm. ✓
1442								Not in Dm. ✓
1443								Not in Dm. ✓
1444								Not in Dm. ✓
1445								Not in Dm. ✓
1446								Not in Dm. ✓
1447	+30	3977	20	12.0	+30	30	9.5	✓
1448	+30	3979	20	12.5	+30	38	9.4	✓
1449								Not in Dm. ✓
1450								Not in Dm. ✓

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1931phae.proj.22748

Nov. 4, 1931

n 7. 8037 :

7.c.

1451	2	a3
1452	2	78
1453	6	B8
1454	1	G
1455	1	a2
1456	1	G5
1457	2	K0
1458	2	78
1459	2	G0
1460	1	75
1461	1	G
1462	1	78
1463	4	a2
1464	5	a3
1465	2	78
1466	2	a5
1467	1	G
1468	1	G5
1469	1	G5
1470	5	K0
1471	1	a3
1472	3	G0
1473	4	K7
1474	5	G5
1475	3	70

K line strong

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1931phae.proj.22758

I 18928 Feb. 12, 1932

1451								Not in Dm.
1452								Not in Dm.
1453	+3.80	3980	20	12.6	+30	22	8.2	
1454								Not in Dm.
1455								Not in Dm.
1456								Not in Dm.
1457	+30	3983	20	13.1	+30	47	9.0	
1458								Not in Dm.
1459								Not in Dm.
1460								Not in Dm.
1461								Not in Dm.
1462								Not in Dm.
1463	+30	3985	20	13.4	+30	20	9.4	
1464	+30	3986	20	13.5	+30	32	9.0	
1465								Not in Dm.
1466								Not in Dm.
1467								Not in Dm.
1468								Not in Dm.
1469								Not in Dm.
1470	+30	3981	20	13.8	+30	8	8.8	
1471								Not in Dm.
1472								Not in Dm.
1473	+30	3984	20	13.4	+30	10	8.8	
1474	+30	3982	20	13.1	+30	5	9.2	
1475	+3.80	3981	20	13.0	+30	1	9.4	

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1931phae.proj.22748

Nov. 4, 1931

M 78037

7.C.

1476	4	a2
1477	2	78
1478	2	Go
1479	3	G5
1480	6	75
1481	2	70
1482	2	75
1483	5	a0
1484	1	a=
1485	1	K2
1486	2	a7
1487	5	a0
1488	3	a2
1489	7	72
1490	3	a2
1491	7	m0
1492	2	a0
1493	2	78
1494	6	a3
1495	4	a0
1496	5	Go
1497	1	G5
1498	1	K0
1499	3	K0
1500	1	75

N. of 2

Vsiehrand lost by sup. m s Lau at Mount See 8608

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1931phae.proj.22758

I 1928 Feb. 12, 1932

1476	+29°	3986	20h	12.9m	+29°	58'	9.5	✓
1477								Not in Dm. ✓
1478								Not in Dm. ✓
1479	+29	3993	20	13.9	+29	59	9.3	✓
1480	+29	3994	20	14.2	+29	59	9.0	✓
1481								Not in Dm. ✓
1482								Not in Dm. ✓
1483	+30	3989	20	14.7	+30	9	9.4	✓
1484								Not in Dm. ✓
1485								Not in Dm. ✓
1486	+30	3988	20	14.3	+30	26	9.5	✓
1487	+30	3990	20	14.8	+30	41	9.3	✓
1488								Not in Dm. ✓
1489	+30	3991	20	14.9	+30	19	8.5	✓
1490	+30	3992	20	15.1	+30	25	9.5	✓
1491	+30	3995	20	15.6	+30	24	7.6	✓
1492								Not in Dm. ✓
1493								Not in Dm. ✓
1494	+30	3994	20	15.4	+30	8	8.9	✓
1495	+30	3997	20	15.6	+30	0	9.5	✓
1496	+29	4003	20	15.5	+29	54	8.9	✓
1497	+29	4000	20	15.4	+29	55	9.5	✓
1498								Not in Dm. ✓
1499	+29	4002	20	15.5	+29	39	9.4	✓
1500								Not in Dm. ✓

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1931phae.proj.22736

Nov. 5, 1931

Ant 8037

F.C.

1501	3	A2
1502	7	A0
1503	8	A3
1504	3	K5
1505	3	A0
1506	7	M0
1507	3	A2
1508	4	F5
1509	5	F8
1510	7	G5
1511	3	F8
1512	2	F0
1513	2	A0
1514	2	K5
1515	5	F5
1516	2	G0
1517	4	K2
1518	5	A2
1519	6	A2
1520	2	G5
1521	7	F2
1522	3	A5
1523	5	G0
1524	6	G5
1525	2	A0

lines very narrow.

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1931phae.proj.22736

I 2763g

Feb. 18, 1932

1501	+30°	3693	19h	35.6	+30°	0'	9.5	✓
1502	+30°	3690	19	35.6	+30	19	8.8	✓
1503	+30	3962	19	35.6	+30	23	7.5	✓
1504	+30	3691	19	35.6	+30	30	9.3	✓
1505								Not in Dm ✓
1506	+30	3697	19	36.0	+30	28	6.5	✓
1507								Not in Dm ✓
1508								Not in Dm ✓
1509	+30	3700	19	36.7	+30	37	9.2	✓
1510	+30	3698	19	36.1	+30	43	8.9	✓
1511								Not in Dm ✓
1512								Not in Dm ✓
1513								Not in Dm ✓
1514								Not in Dm ✓
1515	+30	3702	19	36.7	+30	57	9.2	✓
1516								Not in Dm ✓
1517	+30	3705	19	36.9	+30	52	9.5	✓
1518	+30	3704	19	36.8	+30	59	9.4	✓
1519	+31	3728	19	37.1	+31	1	9.5	✓
1520								Not in Dm ✓
1521	+31	3723	19	36.5	+31	12	8.1	✓
1522	+31	3725	19	36.7	+31	14	9.4	✓
1523	+31	3724	19	36.6	+31	30	8.9	✓
1524	+31	3727	19	36.8	+31	25	8.3	✓
1525								Not in Dm ✓

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1931phae.proj.22730

Nov. 5, 1931

M.7. 8037

7.C.

1526	1	K5
1527	1	K5
1528	5	a3
1529	2	a2
1530	2	a
1531	1	K5
1532	1	G5 ~~F8~~
1533	5	G5
1534	6	a2
1535	1	a
1536	2	F5
1537	2	a0
1538	4	K0
1539	2	a0
1540	5	G5
1541	2	F5
1542	2	K7
1543	4	F8
1544	2	G0
1545	1	K5
1546	1	a
1547	3	K0
1548	2	G5
1549	5	a3
1550	7	F5

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1931phae.proj.22736

I 27639 Feb. 18, 1932

1526								Not in Dm ✓
1527	+31°	3729	19h	37.1m	+31°	34′	9.5	✓
1528	+31	3730	19	37.3	+31	35	9.4	✓
1529								Not in Dm ✓
1530								Not in Dm ✓
1531								Not in Dm ✓
1532								Not in Dm ✓
1533	+31	3732	19	37.5	+31	43	9.3	✓
1534	+31	3734	19	37.8	+31	22	9.4	
1535								Not in Dm ✓
1536								Not in Dm ✓
1537								Not in Dm ✓
1538	+31	3736	19	38.0	+31	6	9.4	✓
1539								Not in Dm ✓
1540	+30	3712	19	37.9	+30	57	9.2	✓
1541								Not in Dm ✓
1542	+30	3714	19	38.1	+30	51	9.5	✓
1543	+31	3741	19	38.5	+31	3	9.4	✓
1544								Not in Dm ✓
1545								Not in Dm ✓
1546								Not in Dm ✓
1547	+31	3747	19	39.1	+31	3	9.4	
1548								Not in Dm ✓
1549	+31	3742	19	38.6	+31	18	9.3	✓
1550	+31	3740	19	38.3	+31	32	8.8	✓

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1931phae.proj.22780

Nov. 5, 1931

17 8037 1

7.C.

1551	3	72
1552	2	75
1553	4	a2
1554	3	a7
1555	3	K5
1556	2	70
1557	3	75
1558	5	a0
1559	1	K5
1560	4	a3
1561	2	Y5
1562	3	K2
1563	1	78
1564	2	Y0
1565	4	75
1566	6	a3
1567	5	a2
1568	2	a5
1569	2	a0
1570	3	a2
1571	6	78
1572	6	a0
1573	2	78
1574	2	72
1575	5	75

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1931phae.proj.22780

I 27639 Feb. 18, 1932

1551								Not in Dm ✓
1552								Not in Dm ✓
1553	+31°	3731	19h	37.5m	+32°	0′	9.4	✓
1554	+32	3532	19	37.2	+32	8	9.3	✓
1555	+32	3535	19	37.3	+32	14	9.4	
1556								Not in Dm ✓
1557	+31	3733	19	37.8	+31	58	9.5	✓
1558	+31	3737	19	38.0	+31	58	9.0	✓
1559								Not in Dm ✓
1560	+32	3537	19	38.0	+32	8	9.3	✓
1561								Not in Dm ✓
1562	+31	3739	19	38.1	+31	52	9.5	✓
1563								Not in Dm ✓
1564								Not in Dm ✓
1565	+31	3743	19	38.7	+31	34	9.4	✓
1566	+31	3745	19	39.0	+31	36	9.0	✓
1567	+31	3744	19	38.9	+31	47	9.4	✓
1568								Not in Dm ✓
1569								Not in Dm ✓
1570	+32	3544	19	39.0	+32	15	9.5	✓
1571	+32	3543	19	38.9	+32	28	9.1	✓
1572	+32	3542	19	38.9	+32	33	9.3	✓
1573								Not in Dm. ✓
1574								Not in Dm. ✓
1575	+32	3550	19	39.7	+32	12	9.5	✓

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1931phae.proj.22736

Nov. 5, 1931

M7 8037

7.C.

1576	1	K5	
1577	4	a7	
1578	3	B9	
1579	4	a0	
1580	2	a	
1581	3	a0	
1582	3	a5	
1583	3	G5	
1584	2	a3	var. Syczz partly superposed on star N. Lu 8608
1585	6	B9	
1586	8	K	probably been done.
1587	5	B9	
1588	2	K5	
1589	1	F8	
1590	1	F	
1591	3	G0	
1592	5	a3	
1593	4	B9	
1594	6	B8	
1595	3	a	
1596	6	G0	
1597	2	B9	
1598	2	a0	
1599	1	F8	
1600	2	K2	Lu 8608

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1931phae.proj.22736

I 27639 Feb. 18, 1932

1576	+32°	3548	19h	39.7m	+32°	24'	9.5	✓
1577	+32	3551	19	39.8	+32	23	9.4	✓
1578								Not in Dm ✓
1579								Not in Dm ✓
1580								Not in Dm ✓
1581	+32	3555	19	40.6	+32	19	9.5	✓
1582								Not in Dm ✓
1583								Not in Dm ✓
1584	+32	3556a	19	41.0	+32	21	var.	~~Not in Dm~~ ✓
1585	+32	3556	19	41.0	+32	28	9.0	✓
1586	+32	3558	19	41.0	+32	32	6.5	✓
1587	+32	3559	19	41.1	+32	18	9.2	✓
1588								Not in Dm ✓
1589								Not in Dm ✓
1590								Not in Dm ✓
1591								Not in Dm ✓
1592								Not in Dm ✓
1593	+31	3773	19	41.8	+31	58	9.5	✓
1594	+32	3564	19	42.0	+32	9	9.1	✓
1595								Not in Dm ✓
1596	+32	3565	19	42.1	+32	12	8.3	✓
1597								Not in Dm ✓
1598								Not in Dm ✓
1599								Not in Dm ✓
1600	+32	3566	19	42.1	+32	29	9.5	✓

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1931phae.proj.22730

Nov. 10, 1931

M7, 8037

7.C.

1601	2	A7
1602	2	K0
1603	2	K2
1604	6	78
1605	4	72
1606	3	A5
1607	1	G5
1608	1	K7
1609	1	G5
1610	2	78
1611	1	A5
1612	1	K0
1613	6	A2
1614	7	K0
1615	7	F5
1616	2	75
1617	5	A5
1618	1	K0
1619	4	A0
1620	2	A
1621	2	72
1622	2	A2
1623	3	A0
1624	1	K2
1625	2	G0

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1931phae.proj.22732

I 25197 Feb. 20, 1931

1601								not in Dm ✓
1602	+32°	3568	19h	+2.6m	+32°	23'	9.5	✓
1603								not in Dm ✓
1604	+32	3571	19	+2.8	+32	15	9.3	✓
1605								not in Dm ✓
1606	+32	3570	19	+2.8	+32	5	9.5	not in DM
1607								not in Dm ✓
1608								not in Dm ✓
1609								not in Dm ✓
1610								not in Dm ✓
1611								not in Dm ✓
1612	+32	3570	19	42.8	+32	5	9.5	not in Dm
1613	+31	3782	19	+2.5	+31	+6	9.1	✓
1614	+31	3781	19	+2.4	+31	+5	8.8	✓
1615	+31	3777	19	+2.3	+31	+6	9.1	✓
1616								not in Dm ✓
1617	+31	3774	19	41.9	+31	+8	9.0	✓
1618	+31	3771	19	41.3	+31	+9	9.5	✓
1619	+31	3770	19	41.3	+31	44	9.4	
1620								not in Dm ✓
1621								not in Dm ✓
1622	+31	3770	19	41.3	+31	44	9.4	not in Dm
1623								not in Dm ✓
1624								not in Dm ✓
1625								not in Dm ✓

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1931phae.proj.2279C

Nov. 10, 1931

M 7 8037

7.C.

1626	2	A2
1627	4	K2
1628	3	A0
1629	1	A3
1630	4	G5
1631	3	B9
1632	2	K2
1633	6	A2
1634	2	K0
1635	2	78
1636	3	A2
1637	7	A2
1638	1	G5
1639	1	A
1640	1	K5
1641	1	G0
1642	3	A
1643	5	A0
1644	5	B9
1645	6	A0
1646	1	78
1647	2	K5
1648	4	A0
1649	6	A3
1650	1	K5

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1931phae.proj.22746

I 25197 Feb. 20, 1932

1626								Not in Dm ✓
1627	+31°	3766	19h	40.7m	+32°	0′	9.3	✓
1628								Not in Dm ✓
1629								Not in Dm ✓
1630	+31	3760	19	40.4	+31	56	9.3	✓
1631								Not in Dm ✓
1632	+31	3758	19	40.1	+31	54	9.5−	✓
1633	+31	3757	19	40.0	+31	59	9.4	✓
1634	+31	3755	19	39.8	+31	57	9.5−	✓
1635								Not in Dm ✓
1636	+31	3753	19	39.8	+31	46	9.5−	✓
1637	+31	3751	19	39.6	+31	54	9.4	✓
1638								Not in Dm ✓
1639								Not in Dm ✓
1640	+31	3746	19	39.1	+31	46	9.5−	✓
1641								Not in Dm ✓
1642								Not in Dm ✓
1643								Not in Dm ✓
1644	+31	3748	19	39.3	+31	32	9.3	✓
1645	+31	3749	19	39.4	+31	30	9.0	
1646								Not in Dm ✓
1647								Not in Dm ✓
1648	+31	3750	19	39.5	+31	40	9.5−	✓
1649	+31	3754	19	39.8	+31	29	9.4	✓
1650								Not in Dm ✓

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1931phae.proj.22730

Nov. 10, 1931

M 7 80 37

7.C.

1651	2	F0
1652	2	G0
1653	2	G5
1654	2	K5
1655	4	G0
1656	1	F8
1657	1	G5
1658	1	F8
1659	3	B9
1660	4	A2
1661	3	A0
1662	3	K7
1663	4	K2
1664	3	K5
1665	2	F8
1666	2	A2
1667	8	G0
1668	3	A0
1669	3	A2
1670	4	A2
1671	2	A
1672	4	B8
1673	3	K7
1674	4	M0
1675	7	F0

free of 2.

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1931phae.proj.22746

I 25197 Feb. 20, 1932

1651								Not in Dm ✓
1652	+31°	3747	19h	39.1m	+31°	3'	9.4	Not in DM
1653								Not in Dm ✓
1654								Not in Dm ✓
1655	+31	3756	19	39.9	+31	11	9.5	~~Not~~ ✓
1656								Not in Dm ✓
1657								Not in Dm ✓
1658								Not in Dm ✓
1659								Not in Dm ✓
1660								Not in Dm ✓
1661								Not in Dm ✓
1662	+31	3759	19	40.2	+31	40	9.5	✓
1663	+31	3764	19	40.6	+31	36	9.4	✓
1664	+31	3767	19	40.7	+31	41	9.2	✓
1665	+31	3761	19	40.5	+31	23	9.5	✓
1666								Not in Dm ✓
1667	+31	3775	19	42.0	+31	26	8.1	✓
1668								Not in Dm ✓
1669								Not in Dm ✓
1670								Not in Dm ✓
1671								Not in Dm ✓
1672	+31	3784	19	42.6	+31	23	9.5	✓
1673	+31	3785	19	42.7	+31	22	8.8	✓
1674	+31	3786	19	42.9	+31	17	8.5	✓
1675	+31	3787	19	43.0	+31	13	8.7	✓

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1931phae.proj.22780

Nov. 9, 1931

M7 8037

7.C.

1676	1	G
1677	7	G5
1678	1	a
1679	2	a2
1680	2	a3
1681	1	G
1682	1	G5
1683	7	G5
1684	1	K5
1685	1	78
1686	1	G5
1687	5	a2
1688	6	a2
1689	7	a2
1689a	5	a
1690	7	K0
1691	3	a0
1692	5	G5
1693	3	G0
1694	4	a2
1695	2	K0
1696	6	89
1697	4	a0
1698	2	78
1699	7	a0
1700	4	a2

S. of 2

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1931phae.proj.22787

I 25197 Feb. 20, 1932

1676								Not in Dm ✓
1677	+30°	3758	19h	+3.3	+30°	56'	8.3	✓
1678								Not in Dm ✓
1679								Not in Dm ✓
1680	+30	3760	19	43.5	+30	51	9.5	✓
1681								Not in Dm ✓
1682								Not in Dm ✓
1683	+30	3764	19	44.2	+30	51	8.7	✓
1684								Not in Dm ✓
1685								Not in Dm ✓
1686								Not in Dm ✓
1687								Not in Dm ✓
1688	+31	3801	19	44.6	+31	5	9.0	~~Not~~ ✓
1689	+31	3802	19	44.6	+31	8	9.2	Not in Dm ✓
1689a								
1690	+31	3804	19	44.8	+31	12	8.4	✓
1691								Not in Dm ✓
1692	+31	3805	19	45.3	+31	9	9.2	✓
1693								Not in Dm ✓
1694								Not in Dm ✓
1695								Not in Dm ✓
1696	+31	3799	19	44.2	+31	31	9.2	✓
1697	+31	3798	19	44.2	+31	35	9.4	✓
1698	+31	3800	19	44.4	+31	36	9.5	✓
1699	+31	3796	19	43.7	+31	25	8.9	✓
1700								Not in Dm ✓

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1931phae.proj.22730

Nov. 18, 1931

Mt 8037

7.C.

1701	2	A0
1702	1	A2
1703	1	G0
1704	5	F8
1705	1	A5
1706	3	A0
1707	2	F0
1708	7	A2
1709	2	F0
1710	6	B9
1711	4	F0
1712	7	G0
1713	6	A0
1714	3	A5
1715	7	B8
1716	4	A0
1717	2	A2
1718	2	K5
1719	3	A7
1720	7	B9
1721	3	A2
1722	6	B3
1723	9	K2
1724	3	G0
1725	2	F5

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1931phae.proj.22730

I 27639 Feb. 19, 1932

1701								Not in Dm ✓
1702								Not in Dm ✓
1703	+30°	3765	19h	44.2m	+30°	54′	9.2	✓
1704	+31	3796	19	43.8	+31	6	9.1	
1705								Not in Dm ✓
1706								Not in Dm ✓
1707								Not in Dm ✓
1708	+31	3781	19	43.3	+31	28	9.3	✓
1709								Not in Dm ✓
1710	+31	3788	19	43.0	+31	26	9.5	~~Not in Dm~~ ✓
1711	+31	3789	19	43.0	+31	43	9.5	✓
1712	+31	3780	19	43.3	+31	40	9.1	✓
1713								Not in Dm ✓
1714								Not in Dm ✓
1715	+31	3795	19	43.5	+31	50	9.0	
1716	+31	3793	19	43.3	+31	53	9.0	✓
1717								Not in Dm ✓
1718	+32	3577	19	43.4	+32	3	9.3	✓
1719								Not in Dm ✓
1720	+32	3575	19	43.3	+32	21	9.1	✓
1721								Not in Dm ✓
1722	+32	3579	19	43.5	+32	16	9.0	✓
1723	+32	3578	19	43.5	+32	26	8.2	✓
1724	+32	3580	19	43.6	+32	21	9.2	✓
1725								Not in Dm ✓

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1931phae.proj.22730

Nov. 18, 1931

mt 8037

T.C.

1726	1	A5
1727	2	A2
1728	8	B5
1729	2	A2
1730	6	K0
1731	2	A2
1732	4	F2
1733	7	A0
1734	1	F0
1735	2	A2
1736	2	A3
1737	5	G0
1738	5	F0
1739	4	A2
1740	4	F2
1741	1	A
1742	3	F5
1743	4	K2
1744	4	A5
1745	3	K5
1746	3	G5
1747	8	A0
1748	7	B5
1749	3	A0
1750	4	A2

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1931phae.proj.22736

I 27639 Feb. 19, 1932

1726								Not in Dm ✓
1727								Not in Dm ✓
1728	+32°	35-89	19h	44.5m	+32°	17'	8.0	✓
1729								Not in Dm ✓
1730	+32	3585	19	44.0	+32	4	8.9	✓
1731								Not in Dm ✓
1732								Not in Dm ✓
1733	+31	3803	19	44.7	+31	52	8.8	✓
1734								Not in Dm ✓
1735								Not in Dm ✓
1736								Not in Dm ✓
1737	+31	3806	19	45.4	+31	28	9.5	✓
1738								Not in Dm ✓
1739								Not in Dm ✓
1740	+31	3808	19	45.6	+31	18	9.5	✓
1741								Not in Dm ✓
1742								Not in Dm ✓
1743	+31	3810	19	46.1	+31	8	9.2	✓
1744								Not in Dm ✓
1745	+31	3812	19	46.3	+31	4	9.4	✓
1746								Not in Dm ✓
1747	+31	3814	19	46.3	+31	20	7.5	✓
1748	+31	3815	19	46.5	+31	25	8.4	✓
1749	+31	3818	19	46.8	+31	26	9.5	✓
1750	+31	3819	19	46.8	+31	27	9.5	✓

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1931phae.proj.22734

Nov. 18, 1931

M7 8037

F.C.

1751	6	B9
1752	2	A3
1753	2	A7
1754	6	B8
1755	4	B9
1756	5	K0
1757	2	A5
1758	2	G0
1759	1	B9
1760	3	F8
1761	2	K5
1762	4	K0
1763	6	A3
1764	4	F5
1765	2	A3
1766	1	K7
1767	2	A0
1768	3	A3
1769	5	B9
1770	3	A3
1771	1	A
1772	3	A7
1773	1	A
1774	2	F2
1775	1	M0

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1931phae.proj.22736

I 27639 Feb. 19, 1932

1751	+31°	3816	19h	46.6m	+31°	17'	9.3	✓
1752								Not in Dm ✓
1753								Not in Dm ✓
1754	+31	3820	19	47.0	+31°	17	9.5-	✓
1755								Not in Dm ✓
1756	+30	3790	19	46.7	+30	58	8.9	✓
1757								Not in Dm ✓
1758	+30	3791	19	46.9	+30	45-	9.5-	✓
1759								Not in Dm ✓
1760								Not in Dm ✓
1761								Not in Dm ✓
1762	+30	3797	19	47.4	+30	51	9.4	✓
1763	+30	3798	19	47.7	+30	38	9.3	✓
1764	+30	3799	19	47.9	+30	32	9.5-	✓
1765								Not in Dm ✓
1766	+30	3802	19	48.4	+30	40	9.5-	✓
1767								Not in Dm ✓
1768								Not in Dm ✓
1769	+30	3805	19	49.3	+30	17	8.6	✓
1770								Not in Dm ✓
1771								Not in Dm ✓
1772	+30	3807	19	49.6	+30	29	9.5-	✓
1773								Not in Dm ✓
1774								Not in Dm ✓
1775								Not in Dm ✓

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1931phae.proj.22736

Nov. 19, 1931

M 7 8037

7. C.

1776	7	A0
1777	4	F0
1778	1	G5
1779	4	A2
1780	2	A0
1781	5	G0
1782	5	K0
1783	2	A0
1784	3	A0
1785	1	A
1786	2	G0
1787	2	F0
1788	2	F8
1789	2	K7
1790	6	F0
1791	1	K0
1792	3	K5
1793	3	B9
1794	1	G5
1795	2	F0
1796	7	A0
1797	6	K0
1798	4	G5
1799	2	F8
1800	4	A0

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1931phae.proj.22739

I 27639 Feb. 19, 1932

1776	+30°	3808	19h	49.8	+30°	8'	8.9	✓
1777	+29	3806	19	49.6	+29	58	9.3	✓
1778								Not in Dm ✓
1779	+30	3809	19	50.1	+30	18	9.5	✓
1780								Not in Dm ✓
1781								Not in Dm ✓
1782	+30	3810	19	50.3	+30	30	9.0	✓
1783								Not in Dm ✓
1784								Not in Dm ✓
1785								Not in Dm ✓
1786								Not in Dm ✓
1787								Not in Dm ✓
1788								Not in Dm ✓
1789	+30	3823	19	51.4	+30	4	9.3	✓
1790	+30	3816	19	51.0	+30	24	9.2	✓
1791								Not in Dm ✓
1792	+30	3814	19	50.8	+30	35	9.3	✓
1793								Not in Dm ✓
1794								Not in Dm ✓
1795								Not in Dm ✓
1796	+30	3819	19	51.4	+30	41	9.1	✓
1797	+30	3824	19	51.4	+30	41	8.9	✓
1798	+30	3825	19	51.4	+30	34	8.9	✓
1799	+30	3827	19	51.5	+30	20	9.5	✓
1800	+30	3830	19	51.9	+30	24	9.0	✓

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1931phae.proj.22736

Nov. 24, 1931

17 8037

T.C.

1801	5	B9
1802	5	G5
1803	1	G0
1804	2	A2
1805	3	B (omit - double star - MLM)
1806	1	K5
1807	2	75
1808	2	A0
1809	3	78
1810	4	A3
1811	2	75
1812	6	M0
1813	3	B9
1814	3	78
1815	1	K2
1816	7	A5
1817	1	K0
1818	1	72
1819	4	G0
1820	6	G5
1821	4	G5
1822	3	G0
1823	1	K0
1824	3	G0
1825	4	A3

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1931phae.proj.22736

I 25197 Feb. 20, 1932

1801	+30°	3829	19h	51.7m	+30°	81'	9.3	✓
1802	+30	3828	19	51.7	+30	+2	9.0	✓
1803								Not in Dm ✓
1804								Not in Dm ✓
1805								Not in Dm ✓
1806	+30	3832	19	52.2	+30	27	9.5	✓
1807								Not in Dm ✓
1808								Not in Dm ✓
1809	+30	3833	19	52.3	+30	+9	9.5	✓
1810								Not in Dm ✓
1811								Not in Dm ✓
1812	+31	3864	19	52.7	+31	5	9.4	✓
1813								Not in Dm ✓
1814	+30	3885	19	52.8	+30	43	9.2	✓
1815								Not in Dm ✓
1816	+30	3838	19	52.9	+30	29	9.0	✓
1817								Not in Dm ✓
1818								Not in Dm ✓
1819								Not in Dm ✓
1820	+30	3840	19	53.2	+30	55	9.2	✓
1821	+31	3872	19	53.4	+31	4	9.5	✓
1822	+31	3873	19	53.4	+31	10	9.5	✓
1823	+31	3874	19	53.4	+31	10	9.4	✓
1824								Not in Dm ✓
1825								Not in Dm ✓

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1931phae.proj.22736

Nov. 24, 1931

D 7 8037

7.C.

1826	4	K0
1827	6	G0
1828	2	A2
1829	1	G5
1830	6	A2
1831	2	A0
1832	1	A0
1833	1	B8
1834	4	G0
1835	1	A0
1836	3	A5
1837	1	A7
1838	4	G5
1839	2	A3
1840	3	F8
1841	1	K0
1842	2	K2
1843	7	A2
1844	4	A3
1845	2	B9
1846	4	G0
1847	2	G5
1848	1	B9
1849	7	B8
1850	2	F8

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1931phae.proj.22736

I 25197 Feb. 20, 1928

1826	+30°	3846	19h	54.2m	+30°	43′	9.5	✓
1827	+30	3847	19	54.3	+30	46	9.2	✓
1828								Not in Dm ✓
1829								Not in Dm ✓
1830	+30	3849	19	54.5	+30	57	9.5	✓
1831								Not in Dm ✓
1832								Not in Dm ✓
1833								Not in Dm ✓
1834								Not in Dm ✓
1835								Not in Dm ✓
1836								Not in Dm ✓
1837								Not in Dm ✓
1838	+30	3858	19	55.8	+30	10	9.4	✓
1839								Not in Dm ✓
1840								Not in Dm ✓
1841								Not in Dm ✓
1842								Not in Dm ✓
1843	+30	3863	19	56.8	+30	33	9.0	
1844	+30	3861	19	56.0	+30	33	9.5	
1845	+30	3859	19	55.8	+30	33	9.5	
1846	+30	3856	19	55.6	+30	36	9.4	
1847	+30	3855	19	55.5	+30	34	9.5	
1848								Not in Dm ✓
1849	+30	3854	19	55.5	+30	28	9.2	
1850								Not in Dm ✓

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1931phae.proj.22736

Nov. 24, 1931

m 7 80 37

7.C.

1851	2	m0
1852	2	G5
1853	2	75
1854	1	a
1855	3	B8
1856	4	B8
1857	4	K7
1858	1	a
1859	3	B9
1860	4	75
1861	2	a2
1862	2	78
1863	2	a3
1864	2	a7
1865	2	75
1866	1	G5
1867	1	72
1868	2	a7
1869	5	B5
1870	4	70
1871	5	a7
1872	1	78
1873	4	B8
1874	3	G0
1875	4	75

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1931phae.proj.2273c

I 25197 Feb. 20, 1932

1851	+31°	3884	19h	55.0m	+31	6	9.3	✓
1852	+31	3883	19	55.0	+31	17	9.5	✓
1853								Not in Dm ✓
1854								Not in Dm ✓
1855								Not in Dm ✓
1856	+31	3880	19	54.2	+31	29	9.2	✓
1857	+31	3879	19	54.2	+31	27	8.1	✓
1858								Not in Dm ✓
1859								Not in Dm ✓
1860	+31	3877	19	53.8	+31	17	9.3	✓
1861								Not in Dm ✓
1862								Not in Dm ✓
1863								Not in Dm ✓
1864								Not in Dm ✓
1865								Not in Dm ✓
1866								Not in Dm ✓
1867								Not in Dm ✓
1868								Not in Dm ✓
1869	+31	3870	19	53.2	+31	14	9.0	✓
1870								Not in Dm ✓
1871	+31	3866	19	53.0	+31	10	9.4	✓
1872								Not in Dm ✓
1873								Not in Dm ✓
1874								Not in Dm ✓
1875								Not in Dm ✓

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1931phae.proj.22746

Nov. 24, 1931

M 7 8037

7.C.

1876	5	K5
1877	6	a3
1878	2	K7
1879	3	G5
1880	4	a2
1881	3	a3
1882	4	G0
1883	2	B8
1884	7	78
1885	2	70
1886	5	a0
1887	6	a5
1888	4	78
1889	5	K0
1890	2	K0
1891	3	K2
1892	2	a2
1893	4	B9
1894	5	a0
1895	4	B8
1896	6	a0
1897	3	a0
1898	7	K0
[illegible]	5	a2
1900	3	a3

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1931phae.proj.22736

I 25197 Feb. 20, 1931

1876	+31°	3868	19h	53.2m	+31°	27′	9.1	✓
1877	+31	3869	19	53.2	+31	34	9.3	✓
1878	+31	3867	19	53.1	+31	45	9.3	✓
1879	+31	3865	19	52.9	+31	41	9.5	✓
1880								Not in Dm ✓
1881								Not in Dm ✓
1882	+31	3861	19	52.6	+31	50	9.4	✓
1883								Not in Dm ✓
1884	+31	3857	19	52.4	+31	45	9.2	✓
1885								Not in Dm ✓
1886	+31	3859	19	52.5	+31	30	9.4	✓
1887	+31	3863	19	52.6	+31	25	9.3	✓
1888	+31	3862	19	52.6	+31	24	9.1	✓
1889	+31	3858	19	52.4	+31	16	9.1	✓
1890								Not in Dm ✓
1891	+31	3856	19	51.8	+31	2	9.5	✓
1892								Not in Dm ✓
1893								Not in Dm ✓
1894	+30	3818	19	51.3	+30	54	9.3	✓
1895	+31	3855	19	51.4	+31	12	9.4	✓
1896	+31	3854	19	51.4	+31	31	9.4	✓
1897								Not in Dm ✓
1898	+31	3852	19	51.0	+31	39	8.0	✓
1899	+31	3851	19	50.9	+31	33	9.5	✓
1900	+31	3849	19	50.6	+31	25	9.5	✓

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1931phae.proj.22740

Nov. 25, 1931

D7 8037

7.C.

1901	1	K5
1902	2	75
1903	3	G0
1904	1	G5
1905	1	A7
1906	2	G0
1907	1	70
1908	4	A7
1909	2	A3
1910	2	A0
1911	1	K0
1912	3	A3
1913	4	A2
1914	5	K0
1915	1	A7
1916	6	G0
1917	5	75
1918	4	G5
1919	3	72
1920	2	K0
1921	2	A0
1922	2	K7
1923	5	B8
1924	2	A0
1925	2	70

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1931phae.proj.22710

I 30164 Feb. 20, 1932

1901								Not in Dm ✓
1902	+32°	3591	19h	44.8m	+32°	28′	9.5	✓
1903								Not in Dm ✓
1904								Not in Dm ✓
1905								Not in Dm ✓
1906								Not in Dm ✓
1907								Not in Dm ✓
1908	+32	3597	19	45.5	+32	52	9.5	✓
1909								Not in Dm ✓
1910								Not in Dm ✓
1911								Not in Dm ✓
1912								Not in Dm ✓
1913								Not in Dm ✓
1914	+32	3596	19	45.2	+32	11	9.1	✓
1915								Not in Dm ✓
1916	+32	3598	19	45.6	+32	14	9.1	✓
1917	+32	3592	19	44.9	+32	5	9.5	✓
1918								Not in Dm ✓
1919								Not in Dm ✓
1920	+31	3807	19	45.5	+31	38	9.5	✓
1921								Not in Dm ✓
1922	+31	3809	19	46.0	+31	29	9.3	✓
1923	+31	3811	19	46.2	+31	38	9.3	✓
1924								Not in Dm ✓
1925								Not in Dm ✓

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1931phae.proj.22740

Nov. 25, 1931

m.7 8037

7.c.

1926	4	a2
1927	3	a0
1928	2	a5
1929	5	a3
1930	3	78
1931	5	a2
1932	4	a0
1933	2	K7
1934	4	K2
1935	2	a3
1936	6	72
1937	2	a2
1938	4	a0
1939	2	B8
1940	2	a0
1941	3	70
1942	2	a7
1943	7	B9
1944	1	K5
1945	1	78
1946	7	75
1947	2	B9
1948	6	78
1949	3	75
1950	3	K5

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1931phae.proj.22758

I 30164 Feb. 20, 1932

1926	+32°	3501	19h	46.1m	+32°	3'	9.5	✓
1927								Not in Dm ✓
1928								Not in Dm ✓
1929	+32	3606	19	46.5	+32	3	9.4	✓
1930								Not in Dm ✓
1931								Not in Dm ✓
1932								Not in Dm ✓
1933	+31	3821	19	47.0	+31	48	9.4	✓
1934								Not in Dm ✓
1935								Not in Dm ✓
1936	+32	3608	19	46.9	+32	2	9.3	✓
1937								Not in Dm ✓
1938								Not in Dm ✓
1939								Not in Dm ✓
1940								Not in Dm ✓
1941	+31	3826	19	47.6	+31	41	9.5	✓
1942								Not in Dm ✓
1943	+31	3827	19	47.6	+31	29	9.2	✓
1944								Not in Dm ✓
1945								Not in Dm ✓
1946	+31	3822	19	47.0	+31	35	8.8	✓
1947								Not in Dm ✓
1948	+31	3824	19	47.3	+31	16	9.1	✓
1949								Not in Dm ✓
1950	+31	3823	19	47.2	+31	20	9.2	✓

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1931phae.proj.22740

Nov. 05, 1931

n7 8037

7.C.

1951	3	a2
1952	2	a
1953	3	a5
1954	3	72
1955	4	G0
1956	3	G5
1957	3	K7
1958	4	K5
1959	4	a5
1960	7	a2
1961	1	7
1962	1	K0
1963	4	a2
1964	1	7
1965	1	a0
1966	4	a0
1967	4	75
1968	2	G0
1969	3	a5
1970	4	75
1971	3	a7
1972	2	b9
1973	5	a2
1974	5	G0
1975	1	K2

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1931phae.proj.227dr

I 30164 Feb. 20, 1932

1951								Not in Dm ✓
1952								Not in Dm ✓
1953								Not in Dm ✓
1954								Not in Dm ✓
1955	+31°	3825	19h	47.5m	+31°	3'	9.5	✓
1956								Not in Dm ✓
1957	+31	3828	19	47.7	+31	14	9.4	✓
1958								Not in Dm ✓
1959								Not in Dm ✓
1960	+31	3830	19	48.4	+31	6	8.9	✓
1961								Not in Dm ✓
1962								Not in Dm ✓
1963								Not in Dm ✓
1964								Not in Dm ✓
1965								Not in Dm ✓
1966								Not in Dm ✓
1967								Not in Dm ✓
1968								Not in Dm ✓
1969	+31	3833	19	48.6	+31	23	9.5	✓
1970								Not in Dm ✓
1971								Not in Dm ✓
1972	+31	3838	19	49.1	+31	4	9.5	✓
1973	+31	3840	19	49.4	+31	11	9.5	✓
1974	+31	3842	19	49.6	+31	8	9.2	✓
1975	+31	3845	19	49.9	+31	5	9.4	✓

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1931phae.proj.22760

Nov. 25, 1931

Dm 7 80.37 ·

7.C.

1976	3	a3
1977	2	75
1978	4	a2
1979	2	B9
1980	5	B8
1981	1	a5
1982	3	a2
1983	2	G0
1984	1	K2
1985	2	a3
1986	6	G0
1987	2	K5
1988	2	78
1989	4	a2
1990	4	K0
1991	7	a7
1992	1	G5
1993	5	K0
1994	2	K5
1995	3	K5
1996	6	a0
1997	1	a2
1998	2	a0
1999	5	B9
2000	2	78

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1931phae.proj.22736

I 30164 Feb. 20, 1932

			h	m	°	′		
1976	+30°	3811	19	50.4	+30°	58′	9.5	✓
1977								Not in Dm ✓
1978	+30	3812	19	50.5	+30	51	9.5	✓
1979								Not in Dm ✓
1980	+30	3813	19	50.7	+30	59	9.0	✓
1981								Not in Dm ✓
1982								Not in Dm ✓
1983								Not in Dm ✓
1984								Not in Dm ✓
1985								Not in Dm ✓
1986	+31	3847	19	50.2	+31	20	8.6	✓
1987	+31	3846	19	50.0	+31	12	9.3	✓
1988								Not in Dm ✓
1989								Not in Dm ✓
1990	+31	3843	19	49.7	+31	15	8.8	✓
1991	+31	3841	19	49.6	+31	23	8.5	✓
1992								Not in Dm ✓
1993	+31	3837	19	49.0	+31	28	8.8	✓
1994	+31	3836	19	49.0	+31	32	9.4	✓
1995	+31	3834	19	48.7	+31	43	9.3	✓
1996	+31	3832	19	48.6	+31	48	9.3	✓
1997								Not in Dm ✓
1998								Not in Dm ✓
1999	+31	3829	19	48.1	+31	55	9.4	✓
2000								Not in Dm ✓

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1931phae.proj.22740

Nov. 27, 1931

m 7 8037

7. C.

2001	1	78
2002	1	K5
2003	7	A2
2004	4	G0
2005	2	K0
2006	8	78
2007	4	K5
2008	1	78
2009	1	G5
2010	2	72
2011	3	A5
2012	1	K2
2013	5	A2
2014	1	A
2015	2	A3
2016	2	A5
2017	1	K
2018	1	G0
2019	1	75
2020	1	78
2021	2	A2
2022	3	70
2023	2	A3
2024	2	A5 78
2025	2	F0

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1931phae.proj.22738

I 27639 Feb. 10, 1932

2001								Not in Dm ✓
2002								Not in Dm ✓
2003	+32°	3609	19h	47.0m	+32°	25'	9.5	✓
2004	+32	3607	19	46.9	+32	16	9.5	✓
2005								Not in Dm ✓
2006	+32	3605	19	46.5	+32	35	9.0	✓
2007	+32	3602	19	46.2	+32	23	9.3	✓
2008								Not in Dm ✓
2009								Not in Dm ✓
2010								Not in Dm ✓
2011								Not in Dm ✓
2012								Not in Dm ✓
2013								Not in Dm ✓
2014								Not in Dm ✓
2015								Not in Dm ✓
2016								Not in Dm ✓
2017								Not in Dm ✓
2018								Not in Dm ✓
2019								Not in Dm ✓
2020								Not in Dm ✓
2021								Not in Dm ✓
2022	+32	3615	19	48.3	+32	30	9.4	✓
2023								Not in Dm ✓
2024								Not in Dm ✓
2024a								Not in Dm
2025								Not in Dm ✓

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1931phae.proj.22760

Nov. 27, 1931

α 8037

7.c.

2026	1	a5 ~~F2~~	See 8130. The s.f. f2. (All a jumbles on 8037)
2027	3	G0	
2028	3	F2	
2029	2	G5	Hydrogen lines strong.
2030	1	K2	
2031	2	a2	
2032	3	G5	
2033	8	a3	
2034	1	G5	
2035	3	F2 G0	a jumble on 8037. See 8125
2036	2	a2	
2037	2	a3	
2038	3	a0	
2039	3	a3	
2040	4	a0	
2041	2	a2	
2042	1	a	
2043	2	a5	
2044	2	a2	
2045	1	G	
2046	5	F8	
2047	4	M0	
2048	1	G5	
2049	3	F5	
2050	5	a5	

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1931phae.proj.22736

I 27639 Feb. 19, 1932

2026								Not in Dm ✓
2027								Not in Dm ✓
2028								Not in Dm ✓
2029	+32°	3623	19h	49.4m	+32°	50'	9.2	✓
2030								Not in Dm ✓
2031	+32	3624	19	49.5	+32	46	9.0	Not in Dm ✓
2032								Not in Dm ✓
2033	+32	3626	19	49.7	+32	22	8.3	✓
2034								Not in Dm ✓
2035	+31	3839	19	49.2	+31	38	9.5	✓
2036								Not in Dm ✓
2037								Not in Dm ✓
2038								Not in Dm ✓
2039								Not in Dm ✓
2040								Not in Dm ✓
2041								Not in Dm ✓
2042								Not in Dm ✓
2043								Not in Dm ✓
2044	+32	3627	19	49.8	+32	3	9.0	✓
2045	+32	3628	19	49.9	+32	4	9.4	✓
2046	+32	3629	19	50.1	+32	6	9.2	✓
2047	+32	3632	19	50.4	+32	1	9.3	✓
2048								Not in Dm ✓
2049								Not in Dm ✓
2050	+31	3848	19	50.5	+31	46	9.4	✓

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1931phae.proj.2279C

Nov. 27, 1931

m7 8037

7.C.

2051	1	G0
2052	5	a0
2053	4	F2
2054	3	a2
2055	2	K0
2056	2	a2
2057	3	a5 ~~F8~~
2058	2	a0
2059	2	a3
2060	5	B8
2061	1	a5
2062	6	G0
2063	8	a7
2064	8	B8
2065	~~4~~ 3	B8 ~~B0~~
2066	2	a3
2067	2	a0
2068	5	a5
2069	2	a5
2070	3	a3
2071	2	a3
2072	4	a2
2073	5	B5
2074	2	a
2075	1	a2

Two stars in line. 8125 chains N. one blue a5

Prec. a br. star

a star sup. at N

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1931phae.proj.22739

I 27639 Feb. 19, 1932

2051								Not in Dm ✓
2052	+31°	3853	19h	51.4m	+31°	46′	9.5	✓
2053								Not in Dm ✓
2054								Not in Dm ✓
2055	+32	3636	19	50.8	+32	11	9.5	✓
2056								Not in Dm ✓
2057								Not in Dm ✓
2058								Not in Dm ✓
2059								Not in Dm ✓
2060	+32	3635	19	50.6	+32	25	9.4	✓
2061								Not in Dm ✓
2062	+32	3640	19	51.1	+32	18	9.2	✓
2063	+32	3639	19	51.0	+32	27	8.4	✓
2064	+32	3641	19	51.1	+32	24	8.3	✓
2065								Not in Dm ✓
2066								Not in Dm ✓
2067								Not in Dm ✓
2068	+32	3643	19	51.4	+32	4	9.5	✓
2069								Not in Dm ✓
2070								Not in Dm ✓
2071								Not in Dm ✓
2072								Not in Dm ✓
2073	+32	3647	19	52.8	+32	17	9.4	~~Not in Dm~~ ✓
2074								Not in Dm ✓
2075								Not in Dm. ✓

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1931phae.proj.2279C

Nov. 27, 1931

M 7 8037

7.C.

2076	6	a_0
2077	4	K_0
2078	2	7_0
2079	7	a_0
2080	8	k_9
2081	4	7_8
2082	4	a_2
2083	2	a_0
2084	3	a_0
2085	1	9
2086	5	7_5
2087	3	a_5
2088	1	K_2
2089	6	K_0
2090	2	m_0
2091	7	K_0
2092	3	a_2
2093	4	7_0
2094	2	7_5
2095	6	a_0
2096	2	a_3
2097	5	a_2
2098	4	K_5
2099	2	K_5
2100	7	a_2

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1931phae.proj.22738

I 27639 Feb. 19, 1932

2076								not in Dm ✓
2077	+32°	3652	19	53.0	+32°	8'	9.3	✓
2078								not in Dm ✓
2079	+31	3871	19	53.3	+31	58	9.4	✓
2080	+32	3653	19	53.4	+32	4	9.2	
2081								not in Dm. ✓
2082								not in Dm ✓
2083								not in Dm ✓
2084								not in Dm ✓
2085								not in Dm ✓
2086	+32	3657	19	53.8	+32	20	9.5	✓
2087								not in Dm ✓
2088								not in Dm ✓
2089	+32	3661	19	54.4	+32	27	8.5	✓
2090	+32	3664	19	54.6	+32	13	9.3	✓
2091	+32	3660	19	54.3	+32	3	8.5	✓
2092								not in Dm ✓
2093	+31	3875	19	53.7	+31	56	9.5	✓
2094								not in Dm ✓
2095	+31	3881	19	54.5	+31	44	9.4	
2096								not in Dm ✓
2097	+32	3666	19	54.7	+32	0	9.5	~~not~~ ✓
2098	+31	3882	19	54.9	+31	58	9.4	✓
2099								not in Dm ✓
2100	+31	3885	19	55.2	+31	57	9.5	✓

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1931phae.proj.22710

Dec. 1, 1931

M7.8037

T.C.

2101	2	A2	N. of 2 stars
2102	6	B9	
2103	4	K2	
2104	6	G0	
2105	6	K0	
2106	5	A3	
2107	2	A2	
2108	1	K2	
2109	2	A0	
2110	2	78	
2111	1	A2	
2112	1	78	
2113	2	75	
2114	2	78	
2115	5	G0	
2116	4	K0	
2117	4	75	
2118	3	72	
2119	1	70	
2120	1	G0	
2121	1	G5	S. of 2
2122	1	A7	
2123	2	G0	
2124	7	A2	
2125	7	B8	

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1931phae.proj.22750

I 18928 Feb. 18, 1932

2101								Not in Dm ✓
2102	+32°	3668	19h	50m.1	+32°	8′	9.3	✓
2103	+32	3675	19	55.5	+32	2	9.2	✓
2104	+32	3674	19	55.4	+32	10	9.0	✓
2105	+32	3676	19	55.5	+32	9	8.8	✓
2106								Not in Dm ✓
2107								Not in Dm ✓
2108								Not in Dm ✓
2109								Not in Dm ✓
2110								Not in Dm ✓
2111								Not in Dm ✓
2112								Not in Dm ✓
2113								Not in Dm ✓
2114								Not in Dm ✓
2115	+32	3677	19	55.9	+32	5	9.3	✓
2116	+31	3892	19	55.9	+31	56	9.3	✓
2117	+31	3887	19	55.6	+31	55	9.2	✓
2118								Not in Dm ✓
2119								Not in Dm ✓
2120								Not in Dm ✓
2121	+31	3886	19	55.3	+31	27	9.4	~~Not~~ ✓
2122								Not in Dm ✓
2123								Not in Dm ✓
2124	+31	3888	19	55.7	+31	8	8.8	✓
2125	+31	3889	19	55.7	+31	22	8.9	✓

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1931phae.proj.227.tif

Dec. 1, 1931

M 7 8037

F.C.

2126	3	A_5^-
2127	8	7_5^-
2128	1	A_0
2129	5^-	B_9
2130	4	A_0
2131	5^-	B_8
2132	2	K_0
2133	3	K_5^-
2134	1	A_3
2134a	1	K_2
2135	2	7_0
2136	1	A_7
2137	3	K_0
2138	2	K_2
2139	2	K_5^-
2140	4	F_0 H
2141	1	K_0
2142	7	7_0
2143	2	A_2
2144	1	A_0
2145	2	K_7
2146	3	7_0
2147	6	K_2
2148	4	K_0
2149	3	B_9
2150	7	7_0

See 8125. (a faint star confuses spectr. on 8037)

S. 7 2

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1931phae.proj.22748

I 18928 Feb. 18, 1932

2126								not in Dm
2127	+31	3895	19	56.2	+31	15	8.4	✓
2128								not in Dm. ✓
2129	+31	3898	19	56.5	+31	4	9.0	✓
2130	+31	3900	19	56.6	+31	1	9.3	✓
2131	+31	3901	19	56.6	+31	13	8.7	✓
2132	+31	3902	19	56.8	+31	4	9.5	✓
2133	+31	3903	19	56.9	+31	3	9.1	✓
2134								✓ not in Dm.
2134a								not in Dm. ✓
2135								not in Dm. ✓
2136								not in Dm. ✓
2137								not in Dm. ✓
2138								not in Dm. ✓
2139	+30	3864	19	57.4	+30	48	9.5	✓
2140								not in Dm. ✓
2141								not in Dm. ✓
2142	+31	3904	19	57.1	+31	18	8.8	✓
2143								not in Dm. ✓
2144								not in Dm. ✓
2145	+31	3906	19	57.4	+31	39	9.3	✓
2146								not in Dm. ✓
2147	+31	3907	19	57.5	+31	31	8.0	✓
2148	+31	3909	19	57.6	+31	33	9.1	✓
2149	+31	3908	19	57.5	+31	37	9.3	✓
2150	+31	8913	19	57.9	+31	55	8.9	✓

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1931phae.proj.227dc

Dec. 1, 1931

m 7 8037

7.C.

2151	5	G5	
2152	2	B9	
2153	6	A0	
2154	6	B	
2155	5	G0	
2156	1	A7	
2157	5	K0	
2158	1	F2	
2159	5	G5	
2160	3	F5	
2161	1	G0	
2162	2	A2	
2163	2	A3 F0	(8037 peculiar at K line) Lee 8125
2164	3	A2	
2165	2	K5	
2166	2	B9	
2167	2	A0	
2168	2	G5	
2169	4	G0	
2170	2	A3	
2171	7	A0	
2172	3	A7	
2173	7	F0	
2174	4	A2	
2175	1	G5	

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1931phae.proj.22748

I 18928 Feb. 18, 1932

2151	+31	3916a	19	58.0	+31	45	9.5	~~not in Dm.~~ not in Dm
2152								not in Dm
2153	+31°	3918	19	58.3	+31°	56	9.4	
2154	+31	3921	19	58.5	+31	45	8.6	
2155	+31	3922	19	58.6	+31	43	9.3	
2156								not in Dm
2157	+31	3916	19	58.0	+31	27	9.0	
2158								not in Dm
2159	+31	3914	19	58.0 ~~57.9~~	+31	25	9.0	
2160								not in Dm
2161								not in Dm
2162								not in Dm
2163								not in Dm
2164	+31	3912	19	57.9	+31	8	9.5	
2165	+30	3867	19	57.9	+30	59	9.5	
2166								not in Dm
2167								not in Dm
2168								not in Dm
2169	+31	3917	19	58.1	+31	12	9.5	
2170								not in Dm
2171	+31	19 ~~3920~~ 3923	19	58.5	+31	16	8.8	
2172								not in Dm
2173	+31	3924	19	58.8	+31	22	8.3	
2174								not in Dm
2175								not in Dm

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1931phae.proj.227dc

72

Dec. 1, 1931

Dm.7 8037

7.C.

2176	1	a	
2177	2	a5	
2178	2	a3	
2179	2	a	
2180	3	72	
2181	7.	G0	
2182	6	K2	
2183	7	G5	
2184	4	K5	
2185	8	a2	
2186	1	a	
2187	5	K5	
2188	1	K0	
2189	3	a2	
2190	2	72	
2191	3	a0	
2192	1	K	fall. 72
2193	1	a7	
2194	2	72	
2195	7	a2	
2196	2	F2 G	See 8125
2197	5	a2	
2198	4	a0	
2199	6	72	
2200	2	78	

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1931phae.proj.22736

I 18928 Feb. 18, 1932

								No
2176								Not in Dm ✓
2177								Not in Dm ✓
2178								Not in Dm ✓
2179								Not in Dm ✓
2180								Not in Dm ✓
2181	+31°	3926	19h	59.0m	+31°	38′	9.0	✓
2182	+31	3930 29	19	59.2	+31	35	9.1	✓
2183	+31	3930	19	59.2	+31	46	8.8	✓
2184	+31	3931	19	59.4	+31	51	9.3	✓
2185	+31	3932	19	59.8	+31	34	8.6	✓
2186								Not in Dm ✓
2187	+31	3933	19	59.9	+31	22	9.5	✓
2188	+31	3935	20 19	0.1	+31	22	9.5	✓
2189								Not in Dm ✓
2190	+31	3934	19	59.9	+31	50	9.5	✓
2191								Not in Dm ✓
2192								Not in Dm ✓
2193								Not in Dm. ✓
2194	+31	3941	20	0.7	+31	13	9.5	✓
2195	+31	3939	20	0.6	+31	23	8.7	✓
2196								Not in Dm ✓
2197	+31	3942	20	0.9	+31	32	9.2	✓
2198	+31	3943	20	1.0	+31	40	9.1	✓
2199	+31	3944	20	1.0	+31	39	9.0	✓
2200								Not in Dm ✓

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1931phae.proj.2276C

Wed. Dec 2, 1931

MF 8037

MM

2201	2	a_5
2202	2	a_3
2203	1	g_5
2204	2	F_8
2205	1	g_0
2206	3	a_2
2207	4	g_5
2208	5	a_0
2209	2	a_2
2210	6	a_2
2211	3	K_0
2212	2	F_2
2213	4	B_9
2214	2	F_8
2215	3	a_0
2216	2	K_5
2217	4	g_0
2218	5	g_0
2219	x2	a_5 (Wrong star first looked at)
2220	1	g_0
2221	1	A_5 fol. of 2
2222	3	K_2
2223	1	a
2224	2	a_3
2225	2	K_0

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1934phae.proj.22739

I 27639 Feb. 20, 1932

2201								Not in Dm ✓
2202								Not in Dm ✓
2203								Not in Dm ✓
2204								Not in Dm ✓
2205								Not in Dm ✓
2206								Not in Dm ✓
2207	+32°	3684	19h	57.0m	+32°	18'	9.5	✓
2208								Not in Dm ✓
2209								Not in Dm ✓
2210	+31	3897	19	56.4	+31	46	9.1	✓
2211	+31	3896	19	56.4	+31	49	9.2	✓
2212								Not in Dm ✓
2213	+31	3893	19	56.0	+31	45	9.5	✓
2214	+31	3894	19	56.0	+31	48	9.5	✓
2215								Not in Dm ✓
2216	+31	3891	19	55.8	+31	43	8.8	✓
2217	+31	3890	19	55.8	+31	42	9.1	✓
2218	+32	3677	19	55.9	+32	5	9.3	
2219								Not in Dm. ✓
2220								Not in Dm ✓
2221								Not in Dm ✓
2222	+31	3899	19	56.5	+31	29	9.5	✓
2223								Not in Dm ✓
2224								Not in Dm ✓
2225								Not in Dm ✓

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1931phae.proj.2276c

Dec. 2, 1931

MF8037.

MM

2226	1	F8
2227	3	a_2
2228	3	K7
2229	3	a_3
2230	2	a_0
2231	2	F8
2232	1	K7
2233	1	F_2
2234	5	F_0
2235	7	B8
2236	2	F0
2237	4	a_0
2238	3	F_2
2239	1	K7
2240	3	a_2
2241	1	F_5
2242	1	F_2
2243	1	g_0
2244	1	g_5
2245	3	a_5
2246	4	B8
2247	4	a_0
2248	5	F_5
2249	1	F_0
2250	2	a_2

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1931phae.proj.22739

I 27639 Feb. 20, 1931

2226								Not in Dm ✓
2227								Not in Dm ✓
2228	+32°	3686	19h	57.4m	+32°	9.4' ~~9.4~~	9.4	
2229								Not in Dm ✓
2230								Not in Dm ✓
2231								Not in Dm ✓
2232								Not in Dm ✓
2233								Not in Dm ✓
2234								Not in Dm ✓
2235	+32	3687	19	57.7	+32	30	9.2	✓
2236								Not in Dm ✓
2237								Not in Dm ✓
2238								Not in Dm ✓
2239								Not in Dm ✓
2240								Not in Dm ✓
2241								Not in Dm ✓
2242								Not in Dm ✓
2243								Not in Dm ✓
2244								Not in Dm ✓
2245								Not in Dm ✓
2246								Not in Dm ✓
2247								Not in Dm ✓
2248	+32	3694	19	58.9	+32	4	9.2	✓
2249								Not in Dm ✓
~~2250~~	~~+32~~	~~3695~~	~~19~~	~~59.3~~	~~+32~~	~~16~~	~~9.4~~	Not in DM
~~2251~~								

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1931phae.proj.2278C

Dec. 2. 1931

MF8037

MM

2251	1	K
2252	2	a0
2253	1	K0
2254	1	K0
2255	1	F8
2256	4	F8
2257	4	a0
2258	2	F5
2259	6	B8
2260	1	K7
2261	1	K5
2262	3	a2
2263	5	B9
2264	3,	g0
2265	3	B8
2266	4	a0
2267	4	K5
2268	2	a2
2269	1	a
2270	1	a7
2271	2	F0
2272	4	a0
2273	3	B8
2274	1	a
2275	6	g5

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1931phae..proj..2273E

I 27639 Feb. 20, 1932

2251	+32	3695	19	59.3	+32	15	9.4	~~not in Dm~~
2252								not in Dm ✓
2253								not in Dm ✓
2254	+31°	3928	19h	59.1m	+31°	57′	9.3	✓
2255	+31	3927	19	59.1	+31	52	9.5	✓
2256	+32	3697	19	59.6	+32	23	9.5	✓
2257								not in Dm ✓
2258								not in Dm ✓
2259	+32	3700	20	0.3	+32	22	9.1	✓
2260	+32	3703	20	0.4	+32	24	9.5	✓
2261								not in Dm ✓
2262								not in Dm ✓
2263	+32	3705	20	0.7	+32	4	9.1	✓
2264	+31	3940	20	0.6	+31	56	9.5	✓
2265	+31	3938	20	0.5	+31	59	9.5	✓
2266	+31	3936	~~19~~ 20	0.3	+32	0	9.2	✓
2267	+32	3701	20	0.3	+32	4	8.6	✓
2268								not in Dm ✓
2269								not in Dm ✓
2270								not in Dm ✓
2271								not in Dm ✓
2272	+32	3708	20	1.3	+32	22	9.5	✓
2273	+32	3713	20	1.9	+32	22	9.5	✓
2274								not in Dm ✓
2275	+32	3714	20	2.2	+32	15	8.9	✓

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1931phae.proj.22780

Dec. 2. 1931

1F8037

MM

2276	2	a_0
2277	2	g_0
2278	5	a_3
2279	2	F_5
2280	1	a_5
2281	2	a_3
2282	3	M_0
2283	5	a_3
2284	4	g_0
2285	3	a_0
2286	4	a_2
2287	5	a_0
2288	3	g_0
2289	3	B_8
2290	6	a_2
2291	4	F_5
2292	2	a_3
2293	1	K_0
2294	2	a_0
2295	4	F_0
2296	3	a_0
2297	4	g_5
2298	1	F_8
2299	3	g_5
2300	1	F_2

n g 2

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1934phae..proj..227I

I 27639 Feb. 20, 1932

2276								Not in Dm ✓
2277								Not in Dm ✓
2278	+31°	3957	20h	2.3	+31°	5-5	9.4	✓
2279								Not in Dm ✓
2280								Not in Dm ✓
2281	+31	3948	20	1.6	+31	55	9.5	✓
2282	+31	3947	20	1.4	+31	44	9.0	✓
2283	+31	3945	20 +9	1.3	+31	37	9.5	✓
2284								Not in Dm ✓
2285								Not in Dm ✓
2286	+31	3949	20	1.7	+31	27	9.5	✓
2287	+31	3952	20	1.8	+31	35	9.3	✓
2288	+31	3951	20	1.8	+31	42	9.5	✓
2289								Not in Dm ✓
2290	+31	3955	20	2.1	+31	43	9.3	✓
2291								Not in Dm ✓
2292	~~+31~~	~~3954~~	~~20~~	~~2.1~~	~~+31~~	~~19~~	~~9.5~~	Not in DM
2293	+31	3956	20	2.2	+31	2	9.3	✓
2294	+31	3960	20	2.6	+31	27	9.5	✓
2295	+31	3959	20	2.6	+31	26	9.2	✓
2296								Not in Dm ✓
2297	+31	3958	20	2.5	+31	42	9.3	✓
2298								Not in Dm ✓
2299	+31	3961	20	2.7	+31	50	9.5	✓
2300								Not in Dm ✓

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1931phae.proj.22734

Dec. 3, 1931

917.8037

7.C.

2301	1	F2
2302	1	F0
2303	1	F2
2304	6	G0
2305	5	K7
2306	1	K2
2307	1	F8
2308	1	G5
2309	6	G5
2310	2	F0
2311	3	A5
2312	5	K2
2313	7	A2
2314	3	K7
2315	2	F0
2316	3	A0
2317	2	G0
2318	2	A5
2319	6	A2
2320	6	G5
2321	2	A5
2322	4	A2
2323	2	A2
2324	1	G5
2325	2	K0

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1931phae..proj..227J

I 14984 Feb. 20, 1932

2301								Not in Dm ✓
2302								Not in Dm ✓
2303								Not in Dm ✓
2304	+31°	3971	20 L	3.9 m	+31°	36	9.0	✓
2305	+31	3972	20	4.2	+31	43	8.6	✓
2306								Not in Dm ✓
2307								Not in Dm ✓
2308								Not in Dm ✓
2309	+31	3969	20	3.8	+31	5	9.3	✓
2310								Not in Dm ✓
2311								Not in Dm ✓
2312	+31	3965	20	3.0	+31	3	9.0	✓
2313	+30	3914	20 19	3.0	+30	53	9.0	✓
2314								Not in Dm ✓
2315								Not in Dm ✓
2316								Not in Dm ✓
2317								Not in Dm ✓
2318								Not in Dm ✓
2319								Not in Dm ✓
2320	+30	3919	20 19	3.5	+30	46	9.3	✓
2321								Not in Dm ✓
2322								Not in Dm ✓
2323								Not in Dm ✓
2324								Not in Dm ✓
2325								Not in Dm ✓

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1931phae.proj.22736

Dec. 3, 1931

m 37, 8037a

7.C.

2326	5	75
2327	7	a2
2328	1	78
2329	2	70
2330	3	G0
2331	2	a5
2332	3	a2
2333	4	70
2334	4	a2
2335	3	K7
2336	3	G5
2337	1	K0
2338	1	K5
2339	3	75
2340	1	K2
2341	7	a3
2342	1	72
2343	3	G0
2344	2	G5
2345	2	78
2346	1	G
2347	1	a2
2348	5	72
2349	1	a7
2350	6	a3

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1931phae.proj.22760

I 14984 Feb. 20, 1932

			h	m		'		
2326	+30°	3924	20 ~~19~~	4.6	+30°	43	9.3	✓
2327	+30	3927	20	4.8	+30	32	9.0	✓
2328								Not in Dm ✓
2329								Not in Dm ✓
2330	+30	3928	20	4.9	+30	53	9.5	✓
2331								Not in Dm ✓
2332								Not in Dm ✓
2333	+31	3978	20	5.1	+31	4	9.3	✓
2334	+31	3977	20	5.1	+31	8	9.4	✓
2335	+31	3973	20	4.6	+31	16	9.4	✓
2336								Not in Dm ✓
2337	+31	3979	20	5.3	+31	23	9.5	✓
2338								Not in Dm ✓
2339								Not in Dm ✓
2340								Not in Dm ✓
2341	+31	3982	20	5.5	+31	6	8.5	✓
2342	+31	3983	20	5.6	+31	9	9.5	✓
2343								Not in Dm ✓
2344								Not in Dm ✓
2345								Not in Dm ✓
2346								Not in Dm ✓
2347								Not in Dm ✓
2348	+31	3981	20	5.4	+31	33	9.3	✓
2349								Not in Dm. ✓
2350	+31	3976	20	5.0	+31	54	9.3	✓

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1931phae.proj.22734

Dec. 3, 1931

M7 8037

7. c.

2351	2	Y0
2352	1	Y0
2353	1	A5
2354	4	78
2355	2	70
2356	6	A5
2357	4	75
2358	1	78
2359	3	75
2360	6	A2
2361	2	Y5
2362	5	70
2363	4	A3
2364	2	75
2365	3	K5
2366	2	Y0
2367	2	75
2368	3	A5
2369	2	Y0
2370	4	A0
2371	1	Y
2372	1	Y5
2373	5	Y5
2374	1	Y
2375	1	K5

lines narrow.

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1931phae.proj.227.tc

I 14984 Feb. 20, 1932

2351								Not in Dm ✓
2352								Not in Dm ✓
2353								Not in Dm ✓
2354	+31°	3984	20h	6.0m	+31°	30′	9.5	✓
2355								Not in Dm ✓
2356	+31	3986	20	6.5	+31	25	9.2	✓
2357								Not in Dm ✓
2358								Not in Dm ✓
2359	+31	3987	20	6.6	+31	27	9.4	✓
2360	+31	3985	20	6.3	+31	45	9.4	✓
2361	+31	3980	20	6.6	+31	51	9.5	✓
2362	+32	3741	20	6.5	+32	3	9.3	✓
2363								Not in Dm ✓
2364								Not in Dm ✓
2365	+31	3992	20	7.1	+31	47 59	9.5	✓
2366	+31	3993	20	7.3	+31	42	9.5	✓ comb. in DM
2367								~~Not in Dm~~
2368								Not in Dm ✓
2369								Not in Dm ✓
2370	+31	3994	20	7.4	+31	13	9.5	✓
2371								Not in Dm ✓
2372								Not in Dm ✓
2373	+31	3998	20	7.2	+31	18	9.1	✓
2374								Not in Dm ✓
2375								Not in Dm ✓

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1931phae.proj.22780

Dec. 3, 1931

m.t. 8037

7.c.

2376	4	75
2377	7	a2
2378	5	a2
2379	4	m0
2380	1	a5
2381	7	B9
2382	1	a
2383	4	a0
2384	3	90
2385	1	78
2386	4	78
2387	1	a
2388	3	K2
2389	7	B5
2390	7	a3
2391	1	a
2392	1	78
2393	1	K2
2394	1	75
2395	2	a2
2396	2	a3
2397	1	a7
2398	2	95
2399	7	a0
2400	2	K2

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1931phae.proj.227dc

I 1490+

Feb. 20, 1932

2376	+31°	3996	20	7.9	+31°	39'	9.5	✓
2377	+31	3995	20	7.6	+31	58	8.9	✓
2378								Not in Dm ✓
2379	+31	4002	20	8.5	+31	54	8.8	
2380								Not in Dm ✓
2381	+31	4004	20	8.8	+31	41	8.7	✓
2382								Not in Dm ✓
2383	+31	4007	20	9.6	+31	48	9.5	✓
2384								Not in Dm ✓
2385								Not in Dm ✓
2386	+31	4011	20	10.2	+31	26	9.5	✓
2387								Not in Dm ✓
2388	+31	4010	20	10.2	+31	34	9.0	✓
2389	+31	4012	20	10.2	+31	29	8.6	✓
2390	+31	4014	20	10.4	+31	29	8.7	✓
2391								Not in Dm ✓
2392								Not in Dm ✓
2393	+30	3969	20	10.0	+30	55	9.5	✓
2394								Not in Dm ✓
2395								Not in Dm ✓
2396								Not in Dm ✓
2397								Not in Dm ✓
2398								Not in Dm ✓
2399	+31	4017	20	11.0	+31	4	9.2	✓
2400	+31	4024	20	11.4	+31	6	9.2	✓

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1931phae.proj.22740

Dec. 4, 1931

M7 8037

7.C.

2401	1	G
2402	3	A2
2403	2	F5
2404	5	A2
2405	3	A0
2406	3	A0
2407	6	A2
2408	4	B9
2409	3	A7
2410	2	A3
2411	3	F8
2412	2	G
2413	4	A2
2414	1	F5
2415	4	G0
2416	1	F2
2417	2	F5
2418	2	G5
2419	5	A5
2420	3	F8
2421	4	A0
2422	1	K5
2423	2	A3
2424	2	K5
2425	2	A7

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1931phae.proj.227cc

I 11393 Feb. 20, 1932

2401								Not in Dm ✓
2402								Not in Dm ✓
2403								Not in Dm ✓
2404	+31°	+0.26	20h	11.8m	+31°	8′	9.4	✓
2405	+31	+0.26	20	11.8	+31	6	9.5	✓
2406								Not in Dm ✓
2407	+31	+0.28	20	12.0	+31	4	9.1	✓
2408								Not in Dm ✓
2409								Not in Dm ✓
2410								Not in Dm ✓
2411								Not in Dm ✓
2412								Not in Dm ✓
2413								Not in Dm ✓
2414								Not in Dm ✓
2415								Not in Dm ✓
2416								Not in Dm ✓
2417								Not in Dm ✓
2418								Not in Dm ✓
2419								Not in Dm ✓
2420								Not in Dm ✓
2421								Not in Dm ✓
2422								Not in Dm ✓
2423								Not in Dm ✓
2424								Not in Dm ✓
2425								Not in Dm ✓
~~2426~~								

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1931phae.proj.22780

Dec. 4, 1931

M7 8837

7.c.

2426	2	78
2427	4	a2
2428	2	72
2429	5	K2
2430	1	K5
2431	3	a3
2432	5	K7
2433	5	70
2434	4	a2
2435	1	72
2436	4	a3
2437	3	a0
2438	2	75
2439	4	G0
2440	4	G5
2441	3	78
2442	4	72
2443	4	G5
2444	1	78
2445	4	K0
2446	2	[illegible]
2447	4	K2
2448	4	B9
2449	2	a3
2450	3	G5

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1931phae.proj.227dc

I 11393 Feb. 20, 1932

2426								Not in Dm ✓
2427								Not in Dm ✓
2428								Not in Dm ✓
2429	+31°	4036	20h	14.1m	+31°	14'	9.0	✓
2430								Not in Dm ✓
2431								Not in Dm ✓
2432	+31	4044	20	15.5	+31	6	8.5	✓
2433	+31	4045	20	15.5	+31	4	9.4	✓
2434	+31	4049	20	16.0	+31	7	9.5	✓
2435								Not in Dm ✓
2436								Not in Dm ✓
2437	+30	4007	20	17.2	~~+30~~ +30	48	9.5	~~Not in Dm~~ ✓
2438								Not in Dm ✓
2439								Not in Dm ✓
2440	+30	4004	20	16.4	+30	37	9.5	✓
2441								Not in Dm ✓
2442	+30	4000	20	15.7	+30	23	9.5	✓
2443								Not in Dm ✓
2444								Not in Dm ✓
2445	+30	3996	20	15.6	+30	33	9.3	✓
2446								Not in Dm ✓
2447								Not in Dm ✓
2448								Not in Dm ✓
2449								Not in Dm ✓
2450	+30	4002	20	16.1	+30	55	9.5	✓

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1931phae.proj.227dc

Dec. 4, 1931

n.7 80.37

7.c.

2451	1	K
2452	5	K0
2453	4	B8
2454	7	78
2455	4	75
2456	6	a2
2457	3	g0
2458	4	a3
2459	6	K0
2460	6	78
2461	4	75
2462	2	K0
2463	2	78
2464	7	g5
2465	2	K0
2466	3	72
2467	6	K0
2468	2	a2
2469	1	75
2470	1	K7
2471	4	K5
2472	2	72
2473	1	a
2474	3	B9
2475	4	70

n. of two

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1931phae.proj.227dc

I 11393 Feb. 20, 1932

2451								Not in Dm ✓
2452	+31°	4059	20h	17.6	+31°	36′	8.7	✓
2453								Not in Dm ✓
2454	+32	3806	20	17.4	+32	8	8.8	✓
2455	+32	3804	20	17.1	+32	6	9.4	✓
2456	+32	3803	20	17.0	+32	1	8.5	✓
2457	+31	4055	20	16.9	+31	45	9.5	✓
2458								Not in Dm ✓
2459	+31	4054	20	16.6	+31	51	8.5	✓
2460	+31	4053	20	16.5	+31	51	8.6	✓
2461	+31	4051	20	16.4	+31	56	8.9	✓
2462	+31	4050	20	16.2	+31	54	9.5	✓
2463								Not in Dm ✓
2464	+31	4046	20	15.8	+31	51	7.9	✓
2465	+31	4047	20	15.8	+31	29	9.3	✓
2466								Not in Dm ✓
2467	+31	4043	20	15.2	+31	35	8.8	✓
2468								Not in Dm ✓
2469								Not in Dm ✓
2470								Not in Dm ✓
2471	+31	4040	20	14.6	+31	38	9.2	✓
2472								Not in Dm ✓
2473								Not in Dm ✓
2474	+31	4038	20	14.2	+31	33	9.4	✓
2475	+31	4037	20	14.1	+31	36	9.4	✓

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1931phae.proj.22730

Dec. 4, 1931

m 7 8037

7.C.

2476	3	G_0
2477	4	a_2
2478	2	7_8
2479	7	G_0
2480	3	a_5
2481	2	G_0
2482	5	7_0
2483	6	a_2
2484	1	a_7
2485	5	a_0
2486	2	K_5
2487	4	a_0
2488	2	a_5
2489	2	7_2
2490	1	K_0
2491	1	K_5
2492	1	7_5
2493	1	7_8
2494	1	a_5
2495	1	a_3
2496	2	b_9
2497	1	K_0
2498	3	K_0
2499	5	a_2
2500	3	a_0

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1934phae.proj.227ec

I 1139-1 Feb. 20, 1932

				h m				
2476	+31°	4035	20	14.0	+31	36	9.5	✓
2477	+31	4034	20	14.0	+31	37	9.5	✓
2478								Not in Dm ✓
2479	+32	3789	20	14.2	+32	1	9.0	✓
2480								Not in Dm ✓
2481								Not in Dm ✓
2482	+31	4041	20	14.7	+31	58	8.9	✓
2483	+32	3795	20	15.0	+32	1	8.9	✓
2484								Not in Dm ✓
2485	+32	3799	20	15.8	+32	8	9.1	✓
2486	+32	3797	20	15.5	+32	19	9.4	✓
2487								Not in Dm ✓
2488								Not in Dm ✓
2489								Not in Dm ✓
2490								Not in Dm ✓
2491	+32	3794	20	14.9	+32	48	9.5	✓
2492								Not in Dm ✓
2493	+32	3792	20	14.7	+32	32	9.5	✓
2494								Not in Dm ✓
2495								Not in Dm ✓
2496								Not in Dm ✓
2497								Not in Dm ✓
2498								Not in Dm ✓
2499	+32	3786	20	13.6	+32	9	9.5	✓
2500								Not in Dm ✓

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1931phae.proj.22730

Dec. 5, 1931

M7 80 37

7.C.

2501	1	G_0
2502	1	a_5
2503	5	a_2
2504	1	78
2505	1	K_5
2506	2	a_5
2507	1	K_2
2508	3	G_5
2509	4	a_0
2510	1	F_0 75 Mag. changed. Orig 2510 = 2 Mags
2511	2	K7
2512	1	G_0
2513	3	78
2514	5	K_0
2515	1	G_0
2516	2	75
2517	4	a_3
2518	1	G_0
2519	3	a_0
2520	1	78
2521	1	72
2522	1	70
2523	1	78
2524	4	a_2
2525	5	B9

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1934phae..proj..227S

I 18928 Feb. 18, 1932

2501								Not in Dm. ✓
2502								Not in Dm ✓
2503								Not in Dm ✓
2504								Not in Dm ✓
2505	+32°	3723	20h	3.9m	+32°	23'	9.5	✓
2506								Not in Dm ✓
2507								Not in Dm ✓
2508	+31	3966	20	3.4	+31	59	9.5	✓
2509	+31	3967	20	3.5	+31	55	9.5	✓
2510								Not in Dm ✓
2511	+31	3968	20	3.5	+31	48	9.2	✓
2512								Not in Dm ✓
2513	+31	3970	20	3.9	+31	53	9.5	✓
2514	+32	3725	20	4.1	+32	0	9.1	✓
2515								Not in Dm ✓
2516								Not in Dm ✓
2517	+32	3729	20	4.7	+32	6	9.4	✓
2518								Not in Dm ✓
2519								Not in Dm ✓
2520								Not in Dm ✓
2521								Not in Dm ✓
2522								Not in Dm ✓
2523								Not in Dm ✓
2524								Not in Dm ✓
2525	+32	3733	20	5.2	+32	11	9.5	✓

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1931phae.proj.22780

Dec. 5, 1931

M 78037

7.C.

2526	3	A2
2527	4	A2
2528	4	K5
2529	4	K0
2530	3	75
2531	1	K
2532	2	75
2533	1	K
2534	2	75
2535	3	K2
2536	3	G0
2537	4	G0
2538	1	K0
2539	1	A5
2540	2	K0
2541	2	75
2542	2	A2
2543	2	B8
2544	2	G0
2545	2	M0
2546	3	A7
2547	2	78
2548	1	G5
2549	1	70
2550	2	78

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1934phae..proj..227E

I 18928 Feb. 18, 1932

2526								Not in Dm ✓
2527								Not in Dm ✓
2528	+32°	3736	20h	6.1m	+32°	8'	9.4	✓
2529								Not in Dm ✓
2530								Not in Dm ✓
2531								Not in Dm ✓
2532								Not in DM
2533								Not in Dm ✓
2534								Not in Dm ✓
2535	+32	3743	20	6.7	+32	26	9.4	✓
2536								Not in Dm ✓
2537								Not in Dm ✓
2538								Not in Dm ✓
2539								Not in Dm ✓
2540								Not in Dm ✓
2541								Not in Dm ✓
2542								Not in Dm ✓
2543	+32	3746	20	7.5	+32	43	9.5	✓
2544	+32	3747	20	7.6	+32	34	9.5	✓
2545								Not in Dm ✓
2546								Not in Dm ✓
2547	+32	3751	20	8.3	+32	42	9.5	Not in DM
2548	+32	3751	20	8.3	+32	42	9.5	Not in Dm
2549								Not in Dm ✓
2550								Not in Dm ✓

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1931phae.proj.22758

Dec. 5, 1931

M78037

7.C.

2551	3	G
2552	1	B9
2553	1	A3
2554	2	B3
2555	1	A5-
2556	2	F5-
2557	1	G
2558	2	A3
2559	2	K0
2560	1	B9
2561	6	F2
2562	2	A2
2563	1	G0
2564	2	A3
2565	4	F5	K faint. Comp.?
2566	4	G5-
2567	2	K2
2568	6	K0
2569	7	A2
2570	1	G
2571	4	A0
2572	1	F2
2573	1	A3
2574	2	G0
2575	1	G5-

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1931phae.proj.22756

I 18928 Feb. 18, 1932

2551								Not in Dm
2552								Not in Dm
2553								Not in Dm
2554	+32°	3749	20h	8.0	+32°	7	9.5	
2555								Not in Dm
2556								Not in Dm
2557								Not in Dm
2558								Not in Dm
2559	+32	3754	20	8.8	+32	7	9.3	
2560								Not in Dm
2561	+32	3756	20	9.0	+32	10	9.2	
2562								Not in Dm
2563								Not in Dm
2564								Not in Dm
2565	+32	3761	20	10.5	+32	14	9.3	
2566	+32	3760	20	10.2	+32	7	9.5	
2567	+32	3762	20	10.5	+32	1	9.5	
2568	+31	4009	20	10.1	+31	54	8.8	
2569	+31	4013	20	10.3	+31	54	8.9	
2570								Not in Dm
2571	+31	4015	20	10.4	+31	45	9.4	
2572								Not in Dm
2573								Not in Dm
2574								Not in Dm
2575								Not in Dm

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1931phae.proj.22780

Dec. 5, 1931

M7 8037

7.C.

2576	5	A3
2577	1	G0
2578	1	A
2579	2	F5
2580	3	K0
2581	2	F2
2582	3	A2
2583	5	F0
2584	1	G
2585	1	G
2586	1	A3
2587	5	B9
2588	1	A5
2589	7	A2
2590	2	K7
2591	4	K0
2592	1	K
2593	2	F8
2594	3	A0
2595	2	G0
2596	1	F8
2597	2	K0
2598	1	K5
2599	4	A7
2600	2	K0

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1931phae.proj.22736

I 18928 Feb. 18, 1932

2576	+31°	4019	20h 3+	11.1m	+31°	50′	9.1	✓
2577	+31	4022	20	11.2	+31	44	9.5	✓
2578								Not in Dm ✓
2579								Not in Dm ✓
2580	+31	4023	20	11.2	+31	22	9.3	✓
2581								Not in Dm ✓
2582								Not in Dm ✓
2583	+31	4031	20	12.9	+31	59	9.4	✓
2584								Not in Dm ✓
2585								Not in Dm ✓
2586								Not in Dm ✓
2587	+31	4032	20	13.0	+31	48	9.3	✓
2588								Not in Dm ✓
2589	+32	3781	20	13.1	+32	3	8.9	✓
2590	+32	3783	20	13.3	+32	15	9.5	✓
2591	+32	3780	20	13.1	+32	15	9.4	✓
2592								Not in Dm ✓
2593								Not in Dm ✓
2594								Not in Dm ✓
2595								Not in Dm ✓
2596								Not in Dm ✓
2597	+32	3774	20	12.4	+32	24	9.5	✓
2598								Not in Dm
2599	+32	3770	20	12.0	+32	17	9.5	✓
2600								Not in Dm

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1931phae.proj.22765

Dec. 12, 1931

M7 8037

7.C.

2601	5	A5
2602	1	A3
2603	1	A	omit – a blend of 3 stars
2604	1	F2
2605	1	F0
2606	3	A7
2607	1	A5
2608	3	G0
2609	1	K2
2610	1	F8
2611	2	F5
2612	2	K5
2613	2	F0
2614	1	A3
2615	1	F5
2616	1	A5
2617	1	F8
2618	2	K2
2619	1	A0
2620	2	K7
2621	2	K2
2622	X'	F
2623	1	K5
2624	2	A5
2625	2	F0

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1931phae.proj.227

I 18928
+
I 25197

Feb. 18, 1932

2601	+32°	3766	20h	11.2m	+32°	8'	9.0	✓
2602								Not in Dm ✓
2603								
2604								Not in Dm ✓
2605								Not in Dm ✓
2606								Not in Dm ✓
2607								Not in Dm ✓
2608								Not in Dm ✓
2609	+33	3848	20	13.1	+33	21	9.5	✓
2610								Not in Dm ✓
2611								Not in Dm ✓
2612								Not in Dm ✓
2613								Not in Dm ✓
2614								Not in Dm ✓
2615								Not in Dm ✓
2616								Not in Dm ✓
2617								Not in Dm ✓
2618								Not in Dm ✓
2619								Not in Dm ✓
2620	+33°	3691	19	55.8	+33	29	9.5	✓
2621								Not in Dm. ✓
2622								Not in Dm. ✓
2623								Not in Dm ✓
2624								Not in Dm ✓
2625								Not in Dm ✓

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1931phae.proj.22740

Dec. 12, 1931

~~α 7 8037~~

7.c.

2626	1	A3
2627	1	A0
2628	2	G0
2629	2	G0 ~~A2~~
2630	1	A
2631	2	F5
2632	1	F
2633	2	A7
2634	1	F8
2635	2	A0
2636	3	G0
2637	2	A0
2638	2	A2
2639	1	A
2640	1	G5
2641	2	K0
2642	4	A
2643	2	A2
2644	1	K5
2645	2	A0
2646	1	K5
2647	2	A0
2648	2	K5

look upon 8608.

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1931phae.proj.227

I 25197 Feb. 20, 1932

2626								Not in Dm ✓
2627								Not in Dm ✓
2628								Not in Dm ✓
2629								Not in Dm ✓
2630								Not in Dm ✓
2631								Not in Dm ✓
2632								Not in Dm ✓
2633								Not in Dm ✓
2634								Not in Dm ✓
2635								Not in Dm ✓
2636								Not in Dm ✓
2637	+33	3596	19	41.9	+33	8	9.4 fol.	Not in Dm ✓ 2nd position ? which may be DM star
2638								Not in Dm ✓
2639								Not in Dm ✓
2640								Not in Dm ✓
2641	+33°	3591	19h	41.0	+33°	21'	9.2	✓
2642	+33°	3588	19h	40.9	+33°	16'	9.3	✓
2643								Not in Dm ✓
2644								Not in Dm ✓
2645								Not in Dm ✓
2646								Not in Dm ✓
2647								Not in Dm ✓
2648								Not in Dm ✓

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1931phae.proj.22730

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1931phae.proj.227

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1931phae.proj.22780

Dec. 19, 1931

M7 8151

F.C.

1	5	a_2
2	1	a
3	3	a_7
4	1	7_0
5	3	a_0
6	7	7_5
7	4	a_5
8	7	K_0
9	3	7_5
10	2	K_0
11	4	K_0
12	4	m_0
13	2	7_2
14	1	K_5
15	1	B8
16	3	K_0
17	7	a_2
18	5	a_3
19	4	a_0
20	3	a_5
21	2	a_0
22	5	g_0
23	5	K_5
24	1	a
25	4	78

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1931phae.proj.227dc

I 27642 Feb. 22, 1932

1	+22°	4036	20h	16.2m	+22°	57′	9.3	
2								Not in Dm
3	+22	4037	20	16.5	+22	59	9.5—	
4								Not in Dm
5								Not in Dm
6	+22	4039	20	16.9	+22	46	8.9	
7	+22	4041	20	17.3	+22	31	9.5—	
8	+22	4042	20	17.7	+22	31	8.5—	
9	+22	4040	20	17.3	+22	17	9.5—	
10	+22	4043	20	18.0	+22	12	9.3	
11	+22	4044	20	18.6	+22	34	9.3	
12	+22	4048	20	19.1	+22	34	9.0	
13								Not in Dm
14								Not in Dm
15								Not in Dm
16	+22	4051	20	19.8	+22	20	9.5—	
17	+22	4050	20	19.7	+22	29	9.1	
18	+22	4049	20	19.7	+22	46	9.5—	
19	+23	4015	20	19.1	+23	0	9.5—	
20								Not in Dm
21								Not in Dm
22	+23	4008	20	18.5	+23	5	9.5—	
23	+23	4006	20	18.3	+23	4	9.1	
24								Not in Dm
25	+23	4003	20	17.9	+23	9	9.5—	

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1931phae.proj.22746

Dec. 19, 1931

2m 7. 8151

7. C.

26	6	a_0
27	5	B_8
28	2	a_5
29	2	7_2
30	1	a_5
31	6	a_0
32	2	a_0
33	6	a_5
34	3	K_5
35	3	G_5
36	4	M_2
37	2	7_8
38	4	G_5
39	1	a
40	2	a_2
41	6	B_9
42	3	K_5
43	3	K
44	4	K Violet end super. in a dr. star.
45	2	K_2
46	1	K_2
47	5	7_5
48	4	7_8
49	2	a_3
50	3	7_5

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1931phae.proj.227.0115

I 27642 Feb. 22, 1932

26								Not in Dm
27	+23°	4002	20	17.8	+23°	19	9.5	
28								Not in Dm
29								Not in Dm
30								Not in Dm
31	+23	3995	20	16.5	+23	8	9.5	
32								Not in Dm
33								Not in Dm
34	+23	3996	20	16.5	+23	35	9.1	
35								Not in Dm
36	+23	4000 ~~399~~	20	17.2	+23	32	9.5	
37								Not in Dm
38								Not in Dm
39								Not in Dm
40								Not in Dm
41	+23	3993	20	16.4	+23	56	9.5	
42	+23	3990	20	16.2	+23	52	9.3	
43	+23	3991	20	16.2	+23	54	9.3	
44	+23	3985	20	15.8	+23	54	9.0	
45	+24	4104	20	16.1	+24	5	9.5	
46	+24	4105	20	16.4	+24	7	9.5	
47	+24	4108	20	16.5	+24	11	9.4	
48								Not in Dm
49								Not in Dm
50	+24	4113	20	17.8	+24	37	9.5	

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1931phae.proj.22758

Dec. 19, 1931

M 7 8151

7.C.

51	3	a_7
52	2	a_2
53	1	K_0
54	3	78
55	4	78
56	2	a_0
57	2	K_0
58	5	g_5
59	7	a_0
60	6	m_0
61	5	a_2
62	2	a_2
63	2	a_0
64	2	B_8 K very shiny
65	2	a_5
66	5	K_0
67	2	m_0
68	4	a_2
69	5	g_5
70	4	a_0
71	4	A_0
72	3	g_0 ~~K faint comp?~~ B.K m 8146
73	3	a_2
74	2	K_5
75	2	K_7

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1931phae.proj.22742

I 27642 Feb. 24, 1932

51	+24°	4114	20	18.1	+24°	30'	9.5	
52								Not in Dm
53								Not in Dm
54								Not in Dm
55								Not in Dm
56								Not in Dm
57								Not in Dm
58	+24	4120	20	19.1	+24	14	9.2	
59	+24	4118	20	18.8	+24	24	9.5	
60	+24	4122	20	19.3	+24	20	8.8	
61	+24	4124	20	19.5	+24	13	9.5	
62								Not in Dm
63	+24	4121	20	19.3	+24	2	9.5	
64								Not in Dm
65								Not in Dm
66	+23	4014	20	19.1	+23	51	9.0	
67	+23	4007	20	18.4	+23	34	9.5	
68								Not in Dm
69	+23	4005	20	18.2	+23	35	9.5	
70								Not in Dm
71								
72	+23	4001	20	17.8	+23	29	9.5	
73								Not in Dm
74	+23	4009	20	18.7	+23	20	9.5	
75	+23	4012	20	19.0	+23	16	9.5	

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1931phae.proj.22740

N7. 8151

Dec. 19, 1931

7.C.

76	7	a_3
77	3	a_7
78	7	g_0
79	2	a_3
80	3	a_0
81	1	a
82	3	a_2
83	3	g_5
84	2	g_0
85	4	a_2
86	2	7_0
87	4	7_2
88	7	g_5
89	2	K_5
90	2	7_8
91	1	7_0
92	2	K_5
93	2	g_0
94	1	g_5
95	7	a_2
96	6	7_8
97	2	K_0
98	5	g_0
99	2	g_5
100	3	K_2

Cont. in Bk. 193, 22

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1931phae.proj.22742

I 27642 Feb. 22, 1932

76	+23°	4011	20h	18.9m	+23°	36'	9.2	
77								Not in Dm
78	+23	4013	20	19.0	+23	27	9.2	
79								Not in Dm
80								Not in Dm
81								Not in Dm
82								Not in Dm
83	+23	4021	20	20.1	+23	6	9.4	
84								Not in Dm
85	+23	4020	20	20.1	+23	15	9.2	
86								Not in Dm
87	+23	4016	20	19.6	+23	34	9.2	
88	+23	4018	20	19.9	+23	58	8.8	
89	+24	4026	20	19.8	+24	2	9.3	
90								Not in Dm
91								Not in Dm
92	+24	4029	20	20.2	+24	20	9.2	
93	+24	4028	20	20.2	+24	27	9.2	
94								Not in Dm
95	+24	4123	20	19.4	+24	35	9.2	
96	+24	4119	20	19.0	+24	39	9.2	
97								Not in Dm
98	+24	4117	20	18.8	+24	57	9.4	
99	+25	4229	20	19.0	+25	4	9.5	
100	+25	4230	20	19.0	+25	8	9.4	

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1931phae.proj.22780

Saturday, Feb. 6, 1932

27 8146

7.C.

1	4	a_0
2	1	78
3	3	K_7
4	1	K_5^-
5	2	7_5^-
6	2	a_0
7	2	K_0
8	4	a_3
9	2	K_5
10	7	a_2
11	5^-	7_5^-
12	1	a_5^-
13	6	a_2
14	1	K_7
15	3	K_5^-
16	4	K_5
17	1	K_7
18	1	78
19	1	4_0
20	2	m_2
21	1	g
22	2	K_2
23	5^-	m_0
24	3	K_0
25	1	K_0

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1931phae.proj.22748

M7 955

May 12, 1932

1								Not in Dm
2								Not in Dm
3	+17°	4293	20h	13.7m	+17°	18'	9.0	
4								Not in Dm
5								Not in Dm
6								Not in Dm
7								Not in Dm
8								Not in Dm
9								Not in Dm
10	+17	4298	20	14.8	+17	50	8.8	
11	+17	4299	20	14.9	+17	56	8.8	
12								Not in Dm
13	+18	4466	20	14.8	+18	2	9.2	
14	+18	4468	20	14.8	+18	6	9.4	
15								
16	+18	4472	20	15.2	+18	22	9.5	
17								Not in Dm
18								Not in Dm
19								Not in Dm
20	+17°	4295	20	14.4	+17	27	9.5	
21								Not in Dm
22								Not in Dm
23	+17	4297	20	14.7	+17	20	8.9	
24	+17	4300	20	15.1	+17	26	9.5	
25	+17	4301	20	15.2	+17	32	9.5	

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1931phae.proj.22710

Feb. 6, 1932

m 7 8146

7.C.

26	3	G_0
27	1	K_5^-
28	1	M_0
29	2	K_7
30	6	M_5^-
31	3	A_0
32	2	A_0
33	3	F_5
34	3	F_8
35	3	G_0
36	2	M_0
37	2	G
38	5	K_5^-
39	2	G_0
40	3	F_2
41	1	G_5
42	7	A_3
43	3	A_5
44	1	K_5^-
45	4	F_2
46	6	F_8
47	5	A_5^-
48	1	K_5^-
49	1	F_2
50	2	K_0

marks of 3 in hair

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1931phae.proj.22746

M7 955 May 12, 1932

26	+17°	4302	20	15.5	+17°	14	9.1	
27								Not in Dm
28								Not in Dm
29	+17	4306	20	16.2	+17	43	9.5	
30	+17	4310	20	16.7	+17	54	8.6	
31								Not in Dm
32								Not in Dm
33	+17	4311	20	16.9	+17	52	9.5	
34								Not in Dm
35								Not in Dm
36	+17	4313	20	17.0	+17	27	9.5	
37								Not in Dm
38	+17	4316	20	17.6	+17	17.6	9.2	
39								Not in Dm
40								Not in Dm
41								Not in Dm
42	+18	4486	20	17.8	+18	1	8.7	
43								Not in Dm
44								Not in Dm
45	+17	4320	20	18.7	+17	51	9.5	
46	+18	4481	20	17.2	+18	14	9.2	
47	+18	4487	20	17.8	+18	15	9.1	
48								Not in Dm
49								Not in Dm
50								Not in Dm

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1931phae.proj.22734

Feb. 6, 1932

M 7 - 8 146 .

7. C.

51	4	a7
52	5	a2
53	3	K2
54	1	G0
55	2	K5
56	1	K5
57	4	78
58	2	75
59	4	78
60	1	a
61	1	K0
62	3	K0
63	1	K5
64	2	78
65	1	G5
66	4	G0
67	3	K7
68	4	a0
69	5	72
70	4	78
71	5	a0
72	6	G0
73	2	M0
74	5	K0
75	2	K2

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1931phae.proj.22758

M7 955 May 12, 1932

			h	m				
51	+17°	+323	20	19.4	+17°	43′	9.5	
52	+17	+324	20	19.6	+17	40	9.5	
53	+17	+319	20	18.7	+17	26	9.5	
54								Not in Dm
55	+17	+325	20	20.2	+17	20	9.5	
56								Not in Dm
57	+17	+327	20	20.7	+17	33	9.5	
58								Not in Dm
59	+17	+326	20	20.4	+17	58	9.5	
60								Not in Dm
61								Not in Dm
62								Not in Dm
63								Not in Dm
64								Not in Dm
65								Not in Dm
66	+18	4495	20	19.7	+18	26	9.5	
67								Not in Dm
68								Not in Dm
69	+18	4490	20	18.4	+18	51	9.3	
70	+18	4491	20	18.6	+18	50	9.4	
71								Not in Dm
72	+18	4492	20	18.6	+18	53	9.3	
73								Not in Dm
74	+18	4493	20	19.0	+18	44	9.0	
75								Not in Dm

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1931phae.proj.22730

Feb. 6, 1932

M7 P146

7.C.

76	2	G_0
77	3	F_5
78	2	F8
79	4	G_0
80	2	K_5
81	1	a
82	3	K_0
83	2	K7
84	2	a_2
85	1	F8
86	1	K_2
87	2	F8
88	7	F8
89	5	F_0
90	1	G_0
91	1	a_2
92	3	K7
93	7	G_0
94	5	G_0
95	3	K_5
96	1	K_2
97	1	F_2
98	3	F8
99	1	G_5
100	1	G_0

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1931phae.proj.22736

M 7 955 May 12, 1932

76							Not in Dm
77							Not in Dm
78							Not in Dm
79							Not in Dm
80							Not in Dm
81							Not in Dm
82	+18°	4498	20h	20.4m	+18°	43′	9.4
83							Not in Dm
84							not in Dm
85							Not in Dm
86							Not in Dm
87							Not in Dm
88	+18°	4492 50	20	21.0	+18	33	8.9
89	+18	4503	20	21.2	+18	28	9.4
90							Not in Dm
91							Not in Dm
92	+17	4329	20	20.9	+17	49	9.4
93	+17	4331	20	21.2	+17	36	8.9
94	+17	4332	20	21.3	+17	36	9.2
95	+17	4328	20	20.8	+17	17	9.5
96	+17	4333	20	21.5	+17	46	9.5
97							Not in Dm
98							Not in Dm
99							Not in Dm
100							Not in Dm

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1931phae.proj.227

Feb. 6, 1932

m7 8146

7.C.

101	1	72
102	1	78
103	1	75
104	7	a3
105	4	K0
106	1	78
107	3	a7
108	2	K2
109	3	K0
110	4	a2
111	4	K0
112	2	B9
113	3	m0
114	2	G0
115	3	G0
116	3	K0
117	3	G5
118	4	K2
119	2	78
120	1	K0
121	6	a7
122	1	K0
123	6	K0
124	1	K5
125	4	G0

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1931phae.proj.227dc

I 4476 Feb. 22, 1932

101								Not in Dm
102								Not in Dm
103								Not in Dm
104	+17°	4334	20h	22.1m	+17°	54'	9.0	
105	+18	4508	20	22.0	+18	2	9.2	
106								Not in Dm
107	+18	4509	20	22.2	+18	11	9.5	
108								Not in Dm
109	+18	4506	20	21.8	+18	30	9.3	
110								Not in Dm
111	+18	4511	20	22.4	+18	30	9.5	
112								Not in Dm
113	+18	4512	20	22.5	+18	46	9.3	
114								Not in Dm
115								Not in Dm
116	+19	4416	20	21.6	+19	3	9.4	
117								Not in Dm
118	+18	4510	20	22.3	+18	54	9.5	
119								Not in Dm
120								Not in Dm
121	+19	4421	20	22.7	+19	10	9.2	
122								Not in Dm
123	+18	4514	20	23.1	+18	51	8.8	
124								Not in Dm
125								Not in Dm

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1931phae.proj.22740

Feb. 6, 1932

m7 8146

7.C.

126	3	G_0
127	4	K_7
128	7	a_0
129	3	7_0
130	1	G_0
131	1	a_3
132	1	78
133	2	78
134	6	G_5
135	2	G_5
136	3	78
137	1	K_7
138	2	G_0
139	3	7_2
140	2	a_5
141	2	a_7
142	1	G_0
143	1	a_3
144	3	G_0
145	2	K_2
146	3	G_0
147	1	K_0
148	2	K_0
149	4	7_0
150	3	K_7

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1931phae.proj.227dr

I 41476 Feb. 22, 1932

126								Not in Dm
127	+18°	4518	20h	23.7m	+18°	50'	9.2	
128	+19	4427	20	23.7	+19	4	9.4	
129								Not in Dm
130								Not in Dm
131								Not in Dm
132								Not in Dm
133								Not in Dm
134	+18	4516	20	23.7	+18	25	9.2	
135								Not in Dm
136								Not in Dm
137	+18	4513	20	23.1	+18	21	9.3	
138								Not in Dm
139								Not in Dm
140								Not in Dm
141								Not in Dm
142								Not in Dm
143								Not in Dm
144	+17	4338	20	23.6	+17	16	9.5	
145								Not in Dm
146	+17	4339	20	23.8	+17	34	9.5	
147	+17	4341	20	24.1	+17	34	9.5	
148								Not in Dm
149	+18	4521	20	24.6	+18	16	9.4	
150	+18	4520	20	24.6	+18	11	9.5	

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1931phae.proj..2274c

Feb. 6, 1932

N7 8,146

7.C.

151	2	G_0
152	4	a_0
153	1	F_5
154	1	m
155	1	G
156	1	K_5
157	4	K_5
158	4	G_5
159	3	K_2
160	3	F_5
161	6	a_7
162	3	G_0
163	1	G_0
164	3	K_0
165	3	m_0
166	3	F8
167	4	G_0
168	4	K_2
169	2	a
170	6	G_0
171	5	F_2
172	1	a_2
173	2	F_0
174	5	a_0
175	2	K_5

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1931tphae.proj.227

I 4476 Feb. 22, 1932

151	+18°	4522	20h	24.8	+18°	6'	9.5	
152								Not in Dm
153								Not in Dm
154	+18	4524	20	25.0	+18	14	9.5	
155								Not in Dm
156								Not in Dm
157	+18	4523	20	24.8	+18	36	9.5	
158	+17	4344	20	25.0	+17	53	9.5	
159	+17	4345	20	25.2	+17	59	9.5	
160								Not in Dm
161	+18	4526	20	25.7	+18	3	9.3	
162	+17	4346	20	25.4	+17	24	9.5	
163								Not in Dm
164	+17	4348	20	26.3	+17	21	9.5	
165	+17	4347	20	26.3	+17	32	9.0	
166								Not in Dm
~~167~~	~~+17~~							
167	+17	4352	20	26.9	+17	51	9.3	
168	+18	4532	20	26.9	+18	2	9.0	
169								Not in Dm
170	+17	4351	20	26.9	+17	24	9.3	
171	+17	4354	20	27.3	+17	20	9.0	
172								Not in Dm
173	+17	4358	20	27.9	+17	46	9.5	
174	+17	4356	20	27.5	+17	52	9.1	
175	+18	4534	20	27.5	+18	9	9.5	

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1931phae.proj.22780

Feb. 6, 1932

M7 8146

7. C.

176	5	K0
177	2	a5
178	2	78
179	5	G5
180	3	a0
181	1	75
182	1	G5
183	2	K2
184	2	K5
185	1	G0
186	2	G0
187	1	a5
188	3	a3
189	4	G0
190	1	K7
191	1	a
192	4	K5
193	2	K7
194	4	a3
195	4	G0
196	5	G0
197	2	K2
198	6	70
199	1	78
200	3	72

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1931phae.proj.22736

I 41476 Feb. 22, 1932

176	+18°	4536	20h	28.6	+18°	1,	9.3	
177								
178								Not in Dm
179	+18	4533	20	27.2	+18	19	9.4	
180								Not in Dm
181								Not in Dm
182								Not in Dm
183								Not in Dm
184	+18	4535	20	28.0	+18	39	9.5	~~Not in Dm~~
185								Not in Dm
186								Not in Dm
187								Not in Dm
188								Not in Dm
189								Not in Dm
190								Not in Dm
191								Not in Dm
192	+18	4530	20	26.4	+18	37	9.5	~~20~~
193								Not in Dm
194								Not in Dm
195	+18	4529	20	26.2	+18	43	9.5	~~Not~~
196	+18	4527	20	26.1	+18	53	9.5	
197								Not in Dm
198								Not in Dm
199								Not in Dm
200								Not in Dm

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1931phae.proj.22736

Feb. 9, 1932

M7. 8146

7.C.

201	2	K0	
202	2	70	
203	1	78	
204	2	K2	
205	1	K7	
206	3	75	
207	3	78	
208	3	75	
209	4	~~B9~~	Partly superposed to 210
210	4	a2	
211	2	a3	
212	4	B9	
213	2	K5	
214	4	K5	
215	8	a3	
216	3	78	
217	6	a5	
218	3	a2	
219	4	78	
220	2	K5	
221	4	78	
222	1	K5	
223	5	a0	
224	6	70	
225	2	K5	

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1931phae.proj.22765

I 41476 May 12, 1932

201								Not in Dm
202								Not in Dm
203								Not in Dm
204								Not in Dm
205								Not in Dm
206								Not in Dm
207								Not in Dm
208								Not in Dm
209	+19°	4431	20	h m 24.3	+19°	22'	9.4	
210	+19	4430	20	24.2	+19	24	9.5	
211								Not in Dm
212								Not in Dm
213								Not in Dm
214	+19	4432	20	24.4	+19	38	9.2	
215	+19	4434	20	25.1	+19	41	9.3	
216								Not in Dm
217	+19	4435	20	25.6	+19	28	9.4	
218								Not in Dm
219	+19	4437	20	25.8	+19	22	9.5	
220	+19	4436	20	25.7	+19	17	9.5	
221								Not in Dm
222								Not in Dm
223	+19	4438	20	25.8	+19	7	9.5	
224	+19	4441	20	26.3	+19	7	9.3	
225								Not in Dm

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1931phae.proj.22736

Feb. 9, 1932

m 7 8.146

7. C.

226	2	a_5^-
227	3	K_0
228	2	a_5
229	4	K_0
230	4	K_2
231	1	G_5^-
232	1	K_5^-
233	1	K_7
234	1	K_7
235	2	M_0
236	3	K_5^-
237	6	a_0
238	6	F_5^-
239	2	G_5^-
240	1	G_0
241	1	G_0
242	2	F_2
243	1	K_7
244	2	K_5^-
245	4	G_0^-
246	1	F_5^-
247	2	F_8
248	2	a_7
249	1	K_0
250	2	F_0

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1931phae..proj..227..139

I 41476 May 12, 1932

226								Not in Dm
227	+19°	4439	20h	26.0m	+19°	30′	9.4	
228								Not in Dm
229	+19°	4440	20	26.2	+19	36	9.5	
230	+19	4442	20	26.3	+19	31	9.5	
231								Not in Dm
232								Not in Dm
233								Not in Dm
234								Not in Dm
235	+19	4444	20	26.8	+19	34	9.5	~~Not in Dm~~
236								Not in Dm
237	+19	4445	20	27.1	+19	37	9.5	
238	+19	4447	20	27.4	+19	39	9.5	
239								Not in Dm
240								Not in Dm
241								Not in Dm
242								Not in Dm
243								Not in Dm
244								Not in Dm
245	+19	4449	20	27.7	+19	18	9.5	
246								Not in Dm
247								Not in Dm
248								Not in Dm
249								Not in Dm
250								Not in Dm

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1931phae.proj.22730

Feb. 9, 1932

m7 8146

7.C.

251	8	K0
252	2	75
253	2	72
254	1	K5
255	4	K5
256	2	m0
257	1	75
258	8	a
259	2	K7
260	3	70
261	1	a5
262	1	K2
263	2	K7
264	1	K0
265	4	K2
266	2	78
267	1	a0
268	1	g5
269	1	g5
270	1	78
271	7	K0
272	7	g0
273	2	g5
274	4	K7
275	5 ...	K0

Put 2 lines mid. sp. between sp
Double star. Separate 1 if possible

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1931phae.proj.22736

I 4h 7m 6 — May 12, 1932

251	+19°	4402	20	28.7	+19°	1'	8.9	
252								Not in Dm
253								Not in Dm
254								Not in Dm
255	+18°	4537	20	28.6	+18	9	9.5	
256								Not in Dm
257								Not in Dm
258	+18	4540	20	29.2	+18	15	8.7	
259	+18	4539	20	29.2	+18	26	9.3	
260	+18	4541	20	29.5	+18	12	9.5	
261								Not in Dm
262								Not in Dm
263	+17	4361	20	28.6	+17	36	9.5	
264								Not in Dm
265	+17	4360	20	28.5	+17	20	9.4	
266	+17	4362	20	29.2	+17	18	9.5	
267								Not in Dm
268								Not in Dm
269								Not in Dm
270								Not in Dm
271	+17	4365	20	30.1	+17	46	8.8	
272	+17	4364	20	30.1	+17	57	9.3	
273								Not in Dm
274	+18	4543	20	29.8	+18	26	9.3	
275	+18	4545	20	30.1	+18	18	9.3	

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1931phae.proj.22730

February 9, 1932

27 Eri 46

7.C.

276	6	75
277	2	~~G~~0
278	4	72
279	3	K5
280	6	K0
281	6	a2
282	4	K0
283	3	72
284	1	78
285	3	K0
286	1	~~G~~0
287	3	a0
288	2	K7
289	5	78
290	2	K7
291	4	a0
292	4	~~G~~0
293	5	~~G~~
294	2	K2
295	2	K5
296	1	78
297	3	K2
298	1	K7
299	3	K5
300	2	a0

Nearly all superposed on Br. star at South.

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1931phae.proj.22736

I 41476 May 12, 1932

276	+18°	4548	20h	30.5m	+18°	20'	9.3	
277								Not in Dm
278	+18	4550	20	30.8	+18	36	9.5	
279	+18	4551	20	30.9	+18	9	9.5	
280	+18	4552	20	31.0	+18	4	9.3	
281	+18	4553	20	31.0	+18	10	9.5	
282	+18	4555	20	31.2	+18	6	9.3	
283								Not in Dm
284								Not in Dm
285	+18	4557	20	31.3	+18	20	9.3	
286								Not in Dm
287								Not in Dm
288	+18	4560	20	31.8	+18	5	9.5	
289	+18	4562	20	31.9	+18	22	9.1	
290								Not in Dm
291	+17°	4367	20	31.1	+17°	47	Var.	
292	+17	4368	20	31.2	+17	35	9.1	
293	~~+17~~	~~4370~~	~~20~~	~~31.3~~	+17	~~46~~		Not in Dm
294	+17	4371	20	31.4	+17	46	9.3	
295								Not in Dm
296								Not in Dm
297								Not in Dm
298								Not in Dm
299	+17	3469	20	31.2	+17	17	9.4	
300								Not in Dm

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1931phae.proj.22730

Feb. 10, 1932

M7. 8146.

7.C.

301	3	72	Lines narrow
302	1	G5	
303	3	G0	
304	3	72	
305	3	K7	
306	6	K0	
307	4	75	
308	3	K7	
309	1	K7	
310	2	G5	
311	3	72	
312	5	A2	
313	4	G0	
314	3	G5	
315	1	K5	
316	2	K7	
317	1	K5	
318	2	70	
319	7	K0	
320	3	A2	
321	6	A0	
322	5	78	
323	4	K0	
324	1	K5	
325	3	78	

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1931phae.proj.22746

I 33466

May 13, 1932

				h m				
301								Not in Dm
302								Not in Dm
303								Not in Dm
304	+18°	4471	20	15.2	+18°	48'	9.4	
305	+18	4473	20	15.6	+18	40	9.4	
306	+18	4475	20	15.8	+18	43	9.0	
307	+18	4476	20	15.8	+18	39	9.5	
308	+18	4477	20	16.0	+18	23	9.5	
309								Not in Dm
310	+18	4479	20	16.5	+18	32	9.5	
311								Not in Dm
312	+18	4480	20	16.7 ~~17.1~~	+18	28	9.5	
313								Not in Dm
314								Not in Dm
315								Not in Dm
316								Not in Dm
317								Not in Dm
318								Not in Dm
319	+19	4386	20	15.8	+19	19	8.4	
320								Not in Dm
321	+19	4388	20	16.0 ~~15.9~~	+19	9	9.3	
322								Not in Dm
323	+19	4390	20	16.4	+19	9	9.5	
324								Not in Dm
325								Not in Dm

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1931phae.proj.22730

Feb. 10, 1932

m 7 8146

7.C.

326	2	K7
327	1	75
328	4	a5
329	4	a0
330	3	g5
331	3	g0
332	4	a7
333	1	g0
334	5	K0
335	1	K2
336	2	g5
337	7	72
338	1	g
339	1	K2
340	2	K5
341	2	K1
342	4	75
343	3	70
344	1	75
345	2	a3
346	5	K2
347	3	78
348	4	72
349	2	a3
350	3	g0

f. a very br. star

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1931rphae.proj.22736

I 33466

May 13, 1932

			h	m		'		
326	+19°	4392	20	16.8	+19°	16	9.4	
327								Not in Dm
328	+19	4393	20	17.0	+19	3	9.5	
329	+18	4482	20	17.1	+18	58	9.5	
330								Not in Dm
331	+18°	4484	20	17.6	+18	51	9.5	
332								Not in Dm
333								Not in Dm
334	+18	4483	20	17.3	+18	36	9.3	
335								Not in Dm
336								Not in Dm
337	+18	4485	20	17.7	+18	40	8.8	
338								Not in Dm
339								Not in Dm
340								Not in Dm
341								
342	+19	4397	20	17.8	+19	2	9.5	
343	+19	4396	20	17.9	+19	7	7.7	
344								Not in Dm
345								Not in Dm
346	+19	4399	20	18.2	+19	16	9.1	Not in Dm
347	+19	4398	20	18.2	+19	23	9.5	
348								Not in Dm
349								Not in Dm
350								Not in Dm

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1931phae.proj.22730

Feb. 10, 1932

M 7 8146

7. C.

351	5	A0
352	2	F2
353	4	A0
354	5	F0
355	3	F8
356	1	A2
357	2	G5
358	5	K2
359	2	F0
360	5	K0
361	4	F0
362	2	K7
363	3	K0
364	4	F8
365	4	K7
366	3	G5
367	4	A7
368	1	K2
369	3	F0
370	2	F5
371	3	G0
372	7	G5
373	4	F8
374	2	K7
375	2	M0

K. faint. Comp?

S. of 2

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1931phae.proj.22736

I 33466

May 13, 1932

			h	m		'	
351	+19° 4404	20		18.9	+19°	8'	9.3	
352								Not in Dm
353								Not in Dm
354	+19° 4400	20		18.7	+19	38	9.5-	
355								Not in Dm
356								Not in Dm
357								Not in Dm
358	+19 4402	20		18.9	+19	36	9.4	
359								Not in Dm
360	+19 4403	20		18.9	+19	46	9.4	
361	+19 4405	20		19.1	+19	42	9.5-	
362								Not in Dm
363								Not in Dm
364	+19 4409	20		19.8	+19	36	9.5-	
365								Not in Dm
366								Not in Dm
367	+20 4563	20		20.0	+20	9	9.0-	
368								Not in Dm
369								Not in Dm
370								Not in Dm
371	+19 4401	20		18.7	+19	59	9.5-	~~Not in Dm~~
372	+20 4556	20		19.0	+20	11	8.7	
373	+20 4552	20		18.1	+20	16	9.5-	
374	+20 4550	20		17.9	+20	20	9.5-	
375	+20 4551	20		18.0	+20	6	9.4	

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1931phae.proj.22734

February 10, 1932

M7 8146

7.C.

376	6	A0
377	3	K7
378	1	G5
379	6	A2
380	2	A7
381	4	K0
382	3	A7
383	2	G0
384	4	G5
385	1	K7
386	3	A5
387	4	F0
388	1	P
389	6	K2
390	1	K5
391	4	B9
392	6	A3
393	3	F2
394	1	F8
395	2	G5
396	6	K0
397	1	K5
398	2	B9
399	3	F0
400	3	K5

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1934phae.proj.22736

I 33466

May 13, 1932

				h m	°	′		
376	+20°	4549	20	17.8	+20°	3′	9.5	
377	+20	4548	20	17.6	+20	4	9.3	
378								Not in Dm
379	+19	4395	20	17.4	+19	48	9.5	
380	+19	4394	20	17.1	+19	57	9.5	
381	+20	4542	20	16.7	+20	11	9.1	
382	+20	4530	20	16.5	+20	3	9.5	
383								Not in Dm
384								Not in Dm
385								Not in Dm
386								Not in Dm
387	+19	4387	20	15.9	+19	39	9.5	
388								Not in Dm
389	+19	4385	20	15.6	+19	54	8.8	
390								Not in Dm
391								Not in Dm
392	+19	4382	20	15.5	+19	40	9.3	
393	+19	4383	20	15.5	+19	56	9.5	
394								Not in Dm
395								Not in Dm
396	+20	4534	20	15.8	+20	17	8.9	
397								Not in Dm
398								Not in Dm
399	+20	4535	20	15.8	+20	40	9.5	
400	+21	4538	20	16.1	+20	23	9.5	

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1931phae.proj.22730

May 31, 1932

M7 8146

7. C.

401	1	K5-
402	1	K0
403	6	A0
404	5	78
405	5	A2
406	4	72
407	3	75
408	2	K5-
409	2	G0
410	1	K5-
411	2	78
412	2	75-
413	4	A3
414	7	G5-
415	4	K2
416	6	75-
417	8	A2
418	1	K5-
419	2	K0
420	2	K5-
421	6	K0
422	2	78
423	2	G0
424	1	78
425	2	G0

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1934phae.proj.22736

I 27642 June 1, 1932

401								Not in Dm
402								Not in Dm
403	+20°	4544	20h	16.8m	+20°	32′	9.4	
404	+20	4545	20	17.4	+20	8	9.4	
405	+20	4547	20	17.6	+20	16	9.5	
406	+20	4546	20	17.5	+20	39	9.5	
407								Not in Dm
408								Not in Dm
409	+21	4173	20	15.6	+21	3	9.5	
410								Not in Dm
411								Not in Dm
412								Not in Dm
413	+21	4172	20	15.6	+21	24	9.5	
414	+21	4178	20	16.1	+21	36	9.1	
415	+21	4175	20	15.8	+21	53	9.3	
416	+21	4177	20	16.0	+21	49	9.4	
417	+21	4179	20	16.1	+21	53	8.7	
418	+21	4181	20	16.6	+21	50	9.5	
419	+21	4182	20	16.9	+21	41	9.4	
420	+21	4183	20	16.8	+21	34	9.1	~~Not in Dm~~
421	+21	4180	20	16.2	+21	21	8.3	
422								Not in Dm
423								Not in Dm
424								Not in Dm.
425	+21	4186	20	17.2	+21	3	9.5	

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1931phae.proj.22730

May 31, 1932

M7 8146

7.C.

426	3	K0
427	2	G
428	1	K
429	6	F8
430	3	A7
431	3	F2
432	1	G0
433	2	K7
434	2	A0
435	2	F0
436	2	K7
437	1	A
438	1	G5-
439	4	G5-
440	3	F5
441	3	A2
442	1	A5-
443	4	A2
444	6	F0
445	2	G5-
446	1	K2
447	3	F0
448	4	F2
449	2	K0
450	8	A0

Nearly all recip. m 426

N. of m. 416

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1934phae.proj.22742

I 27642 June 1, 1932

426	+21°	4188	20h	17.3m	+21°	22'	9.3	
427	+21	4189	20	17.3	+21	23	9.5-	
428	+21	4185-	20	17.0	+21	30	9.5-	
429	+21	4184	20	17.0	+21	36	9.3	
430								Not in Dm.
431	+21	4187	20	17.2	+21	+8	9.5-	~~Not in Dm.~~
432								Not in Dm
433	+22	4038	20	16.9	+22	6	9.5-	
434								Not in Dm.
435								Not in Dm.
436	+22°	4035-	20h	16.1m	+22°	13'	9.5-	
437								Not in Dm.
438								Not in Dm.
439								Not in Dm.
440	+21	4176	20	15.9	+22	0	9.5-	
441	+21	4194	20	17.9	+21	5-3	9.5-	
442								Not in Dm.
443	+21	4190	20	17.5	+21	35-	9.5-	
444	+21	4191	20	17.7	+21	28	9.0	
445-	+21	4190-	20	18.0	+21	36	9.5-	
446	+21	4196	20	18.0	+21	30	9.4	
447	+21	4197	20	18.1	+21	29	9.5	
448	+21	4198	20	18.1	+21	23	9.5-	
449	+21	4199	20	18.2	+21	32	9.5-	
450	+21	4200	20	18.3	+21	28	8.7	

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1931phae.proj.22736

May 31, 1932

17 8146

7. C.

451	1	a
452	4	a7
453	2	K7
454	3	a0
455	2	K5
456	1	a5
457	1	K2
458	7	K2
459	4	78
460	2	75
461	1	a2
462	6	g0
463	3	g0
464	2	m0
465	6	a7
466	6	g5
467	2	K0
468	4	K0
469	4	K7
470	4	a5
471	3	a3
472	8	a0
473	3	78
474	5	g5
475	4	K0

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I 27642 June 1, 1932

451								Not in Dm
452	+21°	4206	20h	19.3m	+21°	46'	9.5	
453								Not in Dm
454	+21	4193	20	17.8	+21	13	9.5	
455								Not in Dm
456								Not in Dm
457								Not in Dm
458	+20	4554	20	18.2	+20	38	9.0	
459	+20	4553	20	18.1	+20	49	9.5	
460								Not in Dm
461								Not in Dm
462	+21	4201	20	18.5	+21	2	9.2	
463								Not in Dm
464	+20	4555	20	18.9	+20	32	9.1	
465	+20	4557	20	19.1	+20	34	9.2	
466	+20	4558	20	19.2	+20	41	9.1	
467								Not in Dm
468	+21	4202	20	18.5	+21	22	9.2	
469	+21	4204	20	18.9	+21	29	9.2	
470	+21	4205	20	19.0	+21	29	9.4	
471								Not in Dm
472	+21	4207	20	19.4	+21	16	8.8	
473								Not in Dm
474	+21	4208	20	19.5	+21	1	9.4	
475	+20	4562	20	19.6	+20	55	9.1	

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1931phae.proj.22730

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May 31, 1932

M7 8146

7. C.

476	5	a_5
477	1	K_7
478	2	M_0
479	8	a_0
480	6	78
481	1	a
482	1	g
483	3	g_0
484	2	a_0
485	1	a_5
486	7	a_5
487	2	K_7
488	3	7_0
489	1	a_2
490	1	K_0
491	2	g_0
492	7	F_0
493	2	a_2
494	5	g_5
495	3	7_0
496	2	78
497	4	G_0
498	8	a_0
499	3	7_2
500	3	M_0

fore. Hy 2

Too much susp. on 498. Look up.

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1931phae.proj.22742

I 27642

476	+21°	4210	20h	20.0	+21°	3'	9.4	
477	+20°	4560	20	19.5	+20	42	9.5	
478	+20	4565	20	20.3	+20	52	9.4	
479	+21	4212	20	20.7	+21	13	8.7	
480	+21	4213	20	21.0	+21	18	9.1	
481								Not in Dm
482								Not in Dm
483	+20	4563	20	20.0	+20	9	9.5	
484								Not in Dm
485								Not in Dm
486								
487								~~Not~~
488								Not in Dm
489								Not in Dm
490								Not in Dm
491								Not in Dm
492								
493								Not in Dm
494	+20	4570	20	20.7	+20	5	8.9	
495	+20	4566	20	20.4	+20	26	9.5	
496								Not in Dm
497	+20	4568	20	20.6	+20	27	9.5	
498	+20	4569	20	20.6	+20	32	8.6	
499	+20	4567	20	20.6	+20	35	9.5	
500	+20	4572	20	20.8	+20	40	9.4	

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1931phae.proj.22730

Mon. Oct. 10, 1932

317 .8146

F.C.

501	4	K0
502	2	K7
503	1	M0
504	3	K2
505	1	K0
506	3	g5
507	3	K0
508	2	g5
509	2	a2
510	2	K7
511	3	g5
512	3	F2
513	3	K5
514	4	a0
515	2	F2
516	7	K0
517	5	F8
518	2	F8
519	3	g0
520	3	g5
521	2	F2
522	3	g5
523	3	g0
524	2	F2
525	6	a0

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1931phae.proj.22730

I 23645 Nov. 12, 1932

501	+20°	4573	20h	20.9m	+20	31	9.5	
502	+20	4575	20	21.1	+20	29	9.5	
503	+20	4578	20	21.5	+20	21	9.5	
504	+20	4581	20	21.7	+20	13	9.4	
505								Not in Dm
506								Not in Dm
507								Not in Dm
508								Not in Dm.
509								Not in Dm.
510	+19	4412	20	20.8	+19	1	9.5	~~Not in Dm.~~
511								Not in Dm.
512								Not in Dm.
513	+18	4497	20	20.2	+18	56	9.5	
514	+19.8	4496	20	19.9	+19.8	59	9.5	
515								Not in Dm.
516	+19.8	4407	20	19.4	+19.8	4	9.0	
517	+19.8	4494	20	19.1	+19.8	59	9.0	
518								Not in Dm.
519								Not in Dm.
520								Not in Dm.
521								Not in Dm.
522	+19	4422	20	22.8	+19	33	9.2	
523								Not in Dm.
524								Not in Dm.
525	+20	4588	20	22.5	+20	1	9.3	

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1931phae.proj.22730

Oct. 10, 1932

M7 8146

F.C.

526	1	F5
527	1	K5
528	2	a0
529	2	g5
530	3	a7
531	3	a2
532	2	g0
533	4	a0
534	4	F0
535	3	F2
536	5	m0
537	4	a2
538	4	g5
539	3	F0
540	2	K5
541	2	a5
542	2	m0
543	6	K2
544	7	F5
545	6	a2
546	1	K
547	2	a2
548	2	F0
549	2	a3
550	2	K7

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1931phae.proj.22745

I 23645 Oct. 20, 1932

526								Not in Dm.
527								Not in Dm.
528								Not in Dm.
529								Not in Dm.
530								Not in Dm.
531								Not in Dm.
532	+20°	4586	20h	22.4m	+20°	25′	9.5	
533	+20	4587	20	22.5	+20	30	9.5	
534	+20	4589	20	22.7	+20	30	9.4	
535								Not in Dm.
536	+20	4583	20	21.9	+20	48	8.7	
537	+20	4582	20	21.9	+20	34	9.0	
538	+20	4577	20	21.4	+20	45	9.0	
539								Not in Dm.
540								Not in Dm.
541								Not in Dm.
542	+20°	4574	20h	21.0m	+20′	0	9.4	
543	+20	4576	20	21.3	+2X′	0	8.9	
544	+20	4579	20	21.6	+20	55	9.0	
545	+21	4216	20	21.6	+21	9	9.2	?
546	+21	4223	20	21.9	+21	5	9.0	?
547								Not in Dm.
548								Not in Dm.
549								Not in Dm.
550	+21°	4231	20	22.8	+21	11	9.0	

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1931phae.proj.22730

Oct. 10, 1932

M7 8146

F.C.

551	2	F_2
552	1	$a3$
553	7	$B8$
554	8	$B9$
555	3	$F5-$
556	7	$K0$
557	6	$F0$
558	5	$a3$
559	1	$g0$
560	2	$K7$
561	1	$g5-$
562	3	$K0$
563	1	$K0$
564	5	$K0$
565	3	$g5-$
566	2	$F0$
567	1	$a0$
568	1	$F8$
569	4	$F5-$
570	4	$K2$
571	3	$M0$
572	1	$K5-$
573	2	$F8$
574	1	$K5-$
575	4	$F2$

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1931phae.proj.22745

I 23645 Oct. 20, 1932

				h m				
551								Not in Dm.
552								Not in Dm.
553	+21°	4224	20	22.2	+21°	33	8.7	
554	+21	4225	20	22.4	+21	39	8.0	
555	+21	4226	20	22.6	+21	32	9.0	~~Not in Dm.~~
556	+21	4227	20	22.6	+21	34	8.1	
557	+21	4229	20	22.7	+21	28	8.7	
558	+21	4230	20	22.8	+21	22	8.9	
559								Not in Dm.
560	+21	4232	20	23.2	+21	44	9.0	
561								Not in Dm.
562	+21	4237	20	23.9	+21	35	9.0	
563								Not in Dm.
564	+21	4239	20	24.3	+21	45	9.0	
565								Not in Dm.
566								Not in Dm.
567								Not in Dm.
568								Not in Dm.
569	+21	4240	20	24.4	+21	21	9.4	
570	+21	4236	20	23.9	+21	4	9.3	
571	+21	4238	20	24.1	+21	3	9.0	
572								Not in Dm.
573								Not in Dm.
574	+20	4590	20	22.7	+20	46	9.0	
575	+20	4591	20	23.0	+20	38	9.0	

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1931phae.proj.22730

Oct. 10, 1932

M7 81 46

F.C.

576	2	a0
577	1	g
578	3	F5
579	2	g0
580	3	g5
581	1	a5
582	4	F8
583	3	a7
584	1	g5
585	4	F2
586	1	m0
587	3	K0
588	5	F2
589	2	g0
590	3	F8
591	2	g0
592	5	g5
593	1	g5
594	3	a3
595	2	g5
596	2	K0
597	4	B9
598	6	a3
599	2	g5
600	5	a5
600c	3	A5

hinfluence

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1931phae.proj.22744c

I 23645 Nov. 12, 1932

576								Not in Dm
577								Not in Dm
578	+20°	4592	20h	23.3m	+20°	21′	9.3	
579								Not in Dm
580	+19	4424	20	23.2	+19	58	9.3	
581								Not in Dm
582	+20	4594	20	23.8	+20	24	8.9	
583	+20	4598	20	24.2	+20	40	9.5-	
584	+20	4596	20	24.2	+20	45-	9.5-	
585	+20	4597	20	24.2	+20	47	9.4	
586	+20	4599	20	24.4	+20	56	9.5-	
587	+20	4600	20	24.4	+20	55	9.4	
588	+20	4603	20	24.8	+20	45-	9.2	
589								Not in Dm.
590	+20	4605	20	25.2	+20	45-	9.5-	
591								Not in Dm.
592	+20	4606	20	25.3	+20	48	8.9	
593								Not in Dm.
594								Not in Dm.
595								Not in Dm.
596								Not in Dm.
597	+20	4604	20	25.1	+20	12	9.4	
598	+20	4608	20	25.5-	+20	8	9.4	
599	+20	4607	20	25.5	+20	19	9.5-	
600	+20	4609	20	25.6	+20	27	9.3	
600a								Not in Dm

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1931phae.proj.22730

Oct. 10, 1932

M78146

F. C.

601	3	F0
602	3	F8
603	4	F8
604	4	K0
605	1	a5
606	3	a3
607	6	g0
608	2	g0
609	1	K5
610	1	K2
611	2	K0
612	1	K7
613	2	F5
614	3	F0
615	1	g5
616	1	g0
617	1	F5
618	2	K0
619	4	K0
620	&7	F0
621	1	F8
622	3	K7
623	4	a2
624	1	a2
625	1	K2

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1934phae.proj.22746

I 23645 Nov. 12, 1932

601								Not in Dm.
602								Not in Dm.
603								Not in Dm.
604	+20°	4601	20h	24.5m	+20°	20'	9.3	
605								Not in Dm.
606	+20°	4595	20	24.0	+20	6	9.5	
607	+19	4429	20	24.2	+19	59	9.4	
608								Not in Dm.
609	+19	4428	20	23.9	+19	50	9.4	
610								Not in Dm.
611								Not in Dm.
612	+19	4425	20	23.5	+19	32	9.5	
613								Not in Dm.
614	+19	4433	20	25.0	+19	54	9.4	
615								Not in Dm.
616								Not in Dm.
617								Not in Dm.
618								Not in Dm.
619	+20	4617	20	26.4	+20	16	9.1	
620	+20	4613	20	26.0	+20	36	9.1	
621								Not in Dm.
622	+20	4616	20	26.2	+20	44	9.1	
623	+20°	4612	20	25.8	+20	45	9.5	
624								Not in Dm.
625								Not in Dm.

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1931phae.proj.22730

Oct. 10, 1922

M7 8146

F.C.

626	4	M2
627	2	g0
628	1	g5-
629	2	a2
630	2	g5
631	3	g5-
632	2	g5-
633	2	a7
634	2	g0
635	1	a0
636	2	K0
637	2	g0
638	4	K5-
639	4	a3
640	1	g0
641	1	a3
642	3	K5-
643	2	g5-
644	5-	K0
645	1	K7
646	6	a2
647	5-	g5-
648	1	g0
649	3	a7
650	1	F8

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I 23645 Nov. 12, 1932

626	+21°	4243	20h	24.6m	+21°	12′	8.8	
627	+21	4244	20	24.6	+21	18	9.5	
628								Not in Dm.
629								Not in Dm.
630								Not in Dm.
631	+21°	4248	20	25.6	+21	30	9.1	
632								Not in Dm.
633								Not in Dm.
634								Not in Dm.
635								Not in Dm.
636	+20°	4615	20	26.2	+20	57	9.5	
637	+20	4618	20	26.6	+20	50	9.5	
638	+20	4619	20	26.8	+20	52	9.1	
639								Not in Dm.
640								Not in Dm.
641								Not in Dm.
642	+20	4620	20	27.1	+20	26	9.5	
643								Not in Dm.
644	+20	4625	20	27.2	+20	37	9.2	
645	+20	4621	20	27.1	+20	17	9.5	
646	+20	4622	20	27.1	+20	8	9.2	
647	+19	4446	20	27.2	+19	56	9.4	
648								Not in Dm.
649								Not in Dm.
650								Not in Dm.

1931phae.proj.22732

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1931phae.proj.22730

Oct. 10, 1932

M 7 8146

F.C.

651	1	g0
652	2	g0
653	2	g0
654	8	F0
655	1	K7
656	1	F0
657	3	K5
658	1	F8
659	4	g0
660	4	F8
661	1	K7
662	1	K5
663	2	F8
664	3	F5
665	6	a0
666	1	K7
667	6	K5
668	1	K7
669	1	K7
670	3	F8
671	4	F5
672	1	g0
673	1	K7
674	2	m0
675	2	K0

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1931phae.proj.22736

I 23645 Nov. 12, 1932

651								Not in Dm.
652								Not in Dm.
653								Not in Dm.
654	+20°	4632	20h	28.8m	+20°	10′	8.5	
655	+20	4634	20	28.9	+20	6	9.5	
656								Not in Dm.
657								Not in Dm.
658								Not in Dm.
659	+19	4454	20	29.1	+19	27	9.5	
660	+19	4453	20	28.9	+19	14	9.5	
661								Not in Dm.
662								Not in Dm.
663	+18	4538	20	29.2	+18	46	9.5	
664								Not in Dm.
665	+19	4455	20	29.6	+19	7	9.0	
666								Not in Dm.
667	+18	4542	20	29.8	+18	41	9.0	
668	+18	4546	20	30.1	+18	32	9.5	either may be ident. as +18° 4546 ?
669								
670								Not in Dm.
671	+18	4547	20	30.3	+18	44	9.4	
672								Not in Dm.
673								Not in Dm.
674	+18	4544	20	30.0	+18.9	0	9.5	
675	+19	4460	20	30.2	+19	5	9.5	

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1931phae.proj.22730

Oct. 10, 1932

nF 8146

F.C.

676	5	a3
677	4	F5
678	2	g5
679	4	K7
680	2	K7
681	1	g5
682	1	K0
683	3	g0
684	8	F5
685	1	K7
686	1	K5
687	1	g0
688	3	F8
689	1	K0 ~~a3~~
690	4	a7
691	3	F0
692	4	a3
693	2	g0
694	3	K2
695	4	K0
696	4	K5
697	1	K5
698	1	K5
699	4	F2
700	2	K7

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1934phae.proj.22735

I 23645 — Nov. 12, 1932

				h	m		'		
676	+18°	4549	20		30.7	+18°	50'	9.4	
677									Not in Dm
678	+19	4470	20		31.4	+19	5	9.5	
679	+18	4558	20		31.4	+18	57	8.7	
680	+19	4468	20		31.3	+19	17	9.5	
681									Not in Dm
682									Not in Dm
683	+18	4561	20		31.9	+18	40	9.5	
684	+18	4562	20		31.9	+18	22	9.1	
685									Not in Dm
686	+18	4565	20		32.3	+18	39	9.5	
687	+18	4564	20		32.3	+18	56	9.5	
688	+19	4474	20		32.4	+19	11	9.5	
689									Not in Dm
690	+19	4472	20		32.0	+19	36	9.0	
691									Not in Dm
692	+19	4471	20		31.5	+19	44	9.5	
693	+19	4469	20		31.4	+19	47	9.5	
694	+19	4467	20		31.2	+19	46	9.3	
695	+19	4466	20		31.0	+19	44	9.1	
696	+19	4461	20		30.3	+19	25	9.1	
697	+19	4457	20		29.7	+19	22	9.5	
698									Not in Dm.
699	+19	4456	20		29.7	+19	43	9.5	
700									Not in Dm.

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1931phae.proj.22736

Tues. Oct. 11, 1932

N7 8146

F.C.

701	5	a_5
702	5	g_0
703	3	a_2
704	3	g_0
705	3	a_3
706	3	a_0
707	2	F_5
708	2	F_2
709	4	a_3
710	1	K_7
711	3	g_0
712	2	K_0
713	3	F_8
714	2	F_0
715	4	F_0
716	3	a_3
717	2	K_7
718	2	K_0
719	1	K_2
720	1	g_0
721	1	F_8
722	2	g_0
723	4	g_0
724	1	K_5
725	4	a_0

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1931phae.proj.22736

I 18885 Nov. 12, 1932

			h	m		'		
701	+22°	4046	20	18.8	+22°	15	9.0	
702	+22	4045	20	18.8	+22	17	8.5	
703								Not in Dm.
704	+21	4206	20	19.3	+21	46	9.5	
705								Not in Dm.
706	+21	4209	20	19.6	+21	20	9.5	
707								Not in Dm.
708								Not in Dm.
709								Not in Dm.
710								Not in Dm.
711								Not in Dm.
712								Not in Dm.
713								Not in Dm.
714								Not in Dm.
715								Not in Dm.
716								Not in Dm.
717	+21	4215	20	21.5	+21	29	9.5	
718	+21	4217	20	21.6	+21	24	9.4	
719	+21	4220	20	21.8	+21	24	9.4	
720								Not in Dm.
721								Not in Dm.
722	+21	4219	20	21.8	+21	50	9.5	
723	+21	4222	20	21.9	+21	51	9.4	
724								Not in Dm.
725	+21	4211	20	20.1	+21	59	9.5	

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1931phae.proj.22730

Oct. 11, 1932

M7. 8146.

F.C.

726	3	K7
727	2	K2
728	3	g0
729	3	K2
730	1	K0
731	7	a5
732	4	F2
733	5	a7
734	2	m0
735	3	g0
736	3	a0
737	2	K5
738	1	K7
739	1	K5
740	5	K0
741	1	g
742	1	K2
743	1	K5
744	1	a3
745	1	K7
746	1	K7
747	2	a5
748	2	K7
749	2	K5
750	1	F2

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I 18885 — Nov. 12, 1932

726	+22°	4052	20h	20.0	+22°	10′	9.2	
727								Not in Dm.
728	+22	4053	20	20.4	+22	3	9.5	
729	+22	4056	20	20.8	+22	4	9.5	
730								Not in Dm.
731	+22	4059	20	21.0	+22	10	8.9	
732	+22	4060	20	21.1	+22	5	9.5	
733	+22	4061	20	21.2	+22	7	9.4	
734	+22	4062	20	21.3	+22	5	9.4	
735	+22	4065	20	21.5	+22	7	9.5	
736								Not in Dm.
737	+22	4066	20	21.6	+22	16	9.5	
738	+22	4068	20	22.0	+22	19	9.5	
739	+22°	4054	20	20.6	+22	35	9.5	
740	+22	4055	20	20.7	+22	37	9.4	
741								Not in Dm.
742								Not in Dm.
743								Not in Dm.
744								Not in Dm.
745	+22	4057	20	20.8	+22	58	9.5	
746	+22	4058	20	20.9	+22	51	9.5	
747								Not in Dm.
748	+22	4063	20	21.5	+22	57	9.3	
749	+22	4064	20	21.5	+22	52	9.4	
750								Not in Dm.

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1931phae.proj.22730

Oct. 11, 1932

M.F. 8146.

F.C.

751	2	M0
752	3	g0
753	3	K0
754	2	K7
755	3	a5
756	1	K5
757	2	K5
758	2	F5
759	5	a3
760	1	F5
761	5	a7
762	6	g0
763	2	F8
764	2	K5
765	2	K5
766	4	K0
767	5	g0
768	7	g5
769	1	a5
770	3	a2
771	6	a0
772	3	K0
773	5	K0
774	3	F8
775	1	g0

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I 18885 Nov. 12, 1932

751								Not in Dm.
752	+22°	4067	20h	21.9	+22°	57′	9.5	
753	+23	4029	20	22.1	+23	2	9.3	
754	+22	4069	20	22.2	+22	59	9.5	
755	+22	4071	20	22.5	+22	45	9.5	
756								Not in Dm.
757	+22	4070	20	22.4	+22	35	9.5	
758								Not in Dm.
759	+22	4072	20	22.5	+22	26	9.4	
760								Not in Dm.
761	+22	4073	20	22.7	+22	30	9.5	
762	+22	4074	20	22.9	+22	54	9.3	
763								Not in Dm.
764								Not in Dm.
765	+22	4075	20	23.2	+22	45	9.5	
766	+22	4076	20	23.4	+22	40	9.3	
767	+22	4077	20	23.5	+22	44	9.5	
768	+22	4078	20	23.6	+22	37	8.6	
769								Not in Dm.
770								Not in Dm.
771	+22°	4080	20	23.7	+22	30	9.0	
772	+22	4081	20	23.9	+22	38	9.3	
773	+22	4082	20	24.1	+22	46	8.9	
774	+23	4037	20	23.5	+23	2	9.5	
775								Not in Dm.
776								

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1931phae.proj.22780

Oct. 11, 1932

N 7 8146

F.C.

776	3	g0
777	1	g5
778	3	g0
779	2	F8
780	5	K0
781	5	F8
782	3	a3
783	1	K0
784	2	K0
785	3	g0
786	4	a0
787	6	F2
788	5	a7
789	3	F0
790	2	K0
791	3	g0
792	1	K7
793	4	g0
794	3	K5
795	3	a2
796	4	K0
797	3	g0
798	1	a5
799	1	g5
800	4	F2

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1931phae.proj.227ec

I 18885 — Nov. 12, 1932

776								Not in Dm.
777	+22°	4083	20h	24.1m	+22°	54	9.5	
778								Not in Dm.
779								Not in Dm.
780	+23	4045	20	25.3	+23	4	8.8	
781	+23	4046	20	25.4	+23	9	9.0	
782								Not in Dm.
783	+22	4091	20	25.5	+22	50	9.5	
784	+22	4085	20	24.6	+22	45	9.5	
785	+22	4086	20	24.8	+22	41	9.5	
786								Not in Dm.
787	+22	4088	20	25.1	+22	35	9.3	
788	+22	4089	20	25.3	+22	33	9.4	
789								Not in Dm.
790								Not in Dm.
791	+22	4084	20	24.3	+22	18	9.5	
792								Not in Dm.
793	+22	4087	20	24.9	+22	20	9.5	
794	+22	4090	20	25.5	+22	23	9.4	
795								Not in Dm.
796	+22	4092	20	25.7	+22	30	9.3	
797								Not in Dm.
798								Not in Dm.
799								Not in Dm.
800								Not in Dm.

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1931phae.proj.22736

Wed. Oct. 12, 1932

M7 8146

7.C.

801	8	B9
802	1	g
803	1	g5
804	1	K5
805	1	K2
806	2'	K0
807	1	g5
808	1	F2
809	1	F0
810	1	a2
811	6	a7
812	1	a7
813	2	g5
814	2	K7
815	5	K0
816	6	a3
817	3	70
818	2	F2
819	5	a0
820	5	K0
821	5	F8
822	2	g0
823	1	F2
824	1	F8
825	2	g5

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1931phae.proj.227.tc

I 18885 Nov. 12, 1932

801	+21°	42B9	20h	22.7m	+21°	28'	8.7	
802								Not in Dm.
803								Not in Dm.
804								Not in Dm.
805								Not in Dm.
806								Not in Dm.
807								Not in Dm.
808								Not in Dm.
809								Not in Dm.
810								Not in Dm.
811	+21	4233	20	23.6	+21	54	9.0	
812								Not in Dm.
813								Not in Dm.
814	+21	4241	20	24.5	+21	50	9.4	
815	+21	4242	20	24.6	+22	0	9.0	
816	+21	4245	20	24.8	+21	57	9.2	
817								Not in Dm.
818								Not in Dm.
819	+21	4250	20	25.8	+21	50	9.5	
820	+21	4251	20	25.9	+21	43	9.0	
821	+21	4252	20	26.0	+21	57	9.1	
822								Not in Dm.
823								Not in Dm.
824								Not in Dm.
825								Not in Dm.

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1931phae.proj.22736

Oct. 12, 1932

M7 8146

T.C.

826	2	K0
827	7	g0
828	4	g5-
829	1	K5-
830	5-	M0
831	1	F8
832	4	g0
833	3	K5-
834	1	F8
835	2	F2
836	7	a2
837	5-	F0
838	7	K0
839	1	K7
840	3	g5-
841	2	g0
842	2	K7
843	3	a7
844	2	g0
845	5-	F0
846	7	F0
847	1	K5-
848	2	K5-
849	7	F5
850	7	F0

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1931phae.proj.22736

I 18885 Nov. 12, 1932

				h	m		'	
826	+21°	4254	20		26.8	+21°	52	9.5
827	+22	4098	20		26.6	+22	17	8.9
828	+22	4097	20		26.6	+22	21	8.8
829	+22	4100	20		27.0	+22	20	9.5
830	+22	4102	20		27.1	+22	21	8.6
831	+22	4094	20		26.2	+22	36	9.5
832	+22	4095	20		26.3	+22	43	9.3
833	+22	4096	20		26.4	+22	50	9.5
834	+23	4050	20		26.0	+23	4	9.5
835								Not in Dm.
836	+22	4099	20		26.8	+22	54	8.9
837	+23	4051	20		27.0	+23	12	9.4
838	+22	4103	20		27.3	+22	49	8.6
839								Not in Dm.
840	+22	4105	20		27.5	+22	59	9.3
841								Not in Dm.
842	+22	4106	20		27.6	+22	48	9.5
843								Not in Dm.
844								Not in Dm.
845	+22	4104	20		27.5	+22	35	9.3
846	+22	4107	20		27.8	+22	24	8.8
847	+22	4108	20		28.0	+22	45	9.5
848	+22	4109	20		28.1	+22	46	9.5
849	+22	4110	20		28.5	+22	26	8.9
850	+22	4113	20		28.8	+22	25	9.1

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1931phae.proj.22736

Oct. 12, 1932

M 7 8146

7.C.

851	5	K5
852	6	K0
853	7	a0
854	1	a3
855	1	K0
856	1	a2
857	5	g0
858	6	a0
859	3	g0
860	1	a
861	3	a3
862	3	g5
863	2	g0
864	3	F8
865	2	g0
866	1	K0
867	4	F2
868	4	F5
869	1	K0
870	3	K0
871	4	F8
872	2	F8
873	2	a5
874	1	g5
875	3	K2

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1931phae.proj.22736

I 18885 Nov. 12, 1932

851	+22°	4112	20h	28.8m	+22°	37′	9.1	
852	+22	4115	20	28.9	+22	34	8.9	
853	+22	4111	20	28.6	+22	57	9.0	
854								Not in Dm.
855								Not in Dm.
856								Not in Dm.
857	+23	4062	20	28.5	+23	12	9.2	
858	+22	4116	20	29.0	+22	52	9.3	
859	+23	4068	20	29.0	+22	3	9.4	
860								Not in Dm.
861								Not in Dm.
862	+23	4067	20	29.0	+23	26	9.5	
863	+23	4069	20	29.2	+23	30	9.5	
864	+23	4070	20	29.7	+23	29	9.5	
865								Not in Dm.
866								Not in Dm.
867	+22	4118	20	29.3	+22	23	9.4	
868	+22	4119	20	29.4	+22	30	9.3	
869	~~870~~							Not in Dm.
870	+22	4121	20	29.9[7]	+22	13	9.4	
871	+22	4122	20	29.9	+22	28	9.4	
872	+22	4123	20	30.0	+22	25	9.5	
873	+22	4124	20	30.1	+22	40	9.5	
874								Not in Dm.
875	+22	4125	20	30.2	+22	57	9.3	

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1931phae.proj.22730

Oct 12, 1932

M7 8146

F. C.

876	5	F0
877	1	g0
878	6	F8
879	4	a3
880	5	m0
881	4	a0
882	4	F2
883	3	a2
884	4	K5
885	1	F5
886	1	g
887	2	g5
888	1	g
889	2	g5
890	1	F8
891	2	F8
892	6	B8
893	1	F8
894	3	g5
895	1	a5
896	6	K0
897	3	g0
898	2	a0
899	3	g0
900	5	K0

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1931phae.proj.22746

I 18880 Nov. 12, 1932

			h	m				
876	+23°	4072	20	30.1	+23°	0	9.1	
877	+23	4073	20	30.1	+23	4	9.5	
878	+23	4074	20	30.2	+23	12	9.0	
879	+23	4075	20	30.2	+23	18	9.5	
880	+23	4076	20	30.5	+23	2	9.0	
881	+23	4077	20	30.7	+23	2	9.5	
882	+23	4078	20	30.8	+23	5	9.4	
883								Not in Dm.
884	+23	4080	20	31.2	+23	8	9.1	
885								Not in Dm.
886								Not in Dm.
887	+22	4130	20	30.9	+22	35	9.5	
888								Not in Dm.
889	+22	4131	20	30.9	+22	24	9.4	
890								Not in Dm.
891								Not in Dm.
892	+22	4133	20	31.9	+22	51	9.0	
893								Not in Dm.
894	+23	4082	20	31.8	+23	6	9.5	
895								Not in Dm.
896	+23	4083	20	32.1	+23	16	8.8	
897	+23	4087	20	32.6	+23	4	9.5	
898								Not in Dm.
899	+22	4138	20	32.5	+22	29	9.5	
900	+22	4134	20	32.1	+22	34	8.8	

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1931phae.proj.22730

Oct. 12, 1932

M.7. 8146.

F.C.

901	1	a_5
902	4	K_0
903	5	a_3
904	2	F_5
905	1	g_5
906	3	g_0
907	4	F_8
908	6	F_8
909	1	K_0
910	2	M_0
911	2	g_0
912	3	K_2
913	4	K_2
914	2	F_8
915	1	g_5
916	3	g_0
917	4	a_2
918	1	g_5
919	4	F_8
920	1	a
921	1	K_5
922	2	K_0
923	3	K_0
924	3	g_5
925	1	g_0

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1931phae.proj.22736

I 40620 Nov. 14, 1932

901								Not in Dm.
902	+22°	4132	20	h m 31.0	+22°	9′	9.2	
903	+22	4129	20	30.8	+22	3	9.2	
904								Not in Dm.
905								Not in Dm.
906	+22	4128	20	30.6	+22	3	9.5	
907	+22	4127	20	30.4	+22	8	9.4	
908	+22	4126	20	30.3	+22	4	9.2	
909	+21	4287	20	30.8	+21	57	9.5	
910	+21	4284	20	30.4	+21	55	9.0	
911	+21	4282	20	30.0	+21	42	9.3	
912	+22	4120	20	29.6	+22	2	9.3	
913	+22	4117	20	29.2	+22	0	9.3	
914								Not in Dm.
915								Not in Dm.
916	+22	4114	20	28.8	+22	6	9.5	
917	+21	4270	20	28.2	+21	55	9.5	
918								Not in Dm.
919	+21	4262	20	27.5	+21	52	9.3	
920								Not in Dm.
921	21	4259	20	27.2	+21	54	9.5	
922								Not in Dm.
923	+21	4257	20	27.1	+21	41	9.4	
924	+21	4260	20	27.4	+21	42	9.5	
925								Not in Dm.

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1931phae.proj.22730

Oct. 12, 1932

M7 8146

F.C.

926	1	K0
927	1	K5
928	2	K5
929	1	a3
930	1	m0
931	5	a0
932	2	F8
933	5	g5
934	x ✓	g0
935	1	F8
936	3	K0
937	6	a0
938	1	g
939	3	a0
940	4	F2
941	2.	K2
942	1	g
943	5	g0
944	6	F0
945	4	g0
946	1	F8
947	1	g5
948	4...	g5
949	3	F2
950	1	K2

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1934phae.proj.22.3c

I 40620 Nov. 14, 1932

926	+21°	4255	20h	27.0m	+21°	35'	9.5	
927								Not in Dm.
928								Not in Dm.
929								Not in Dm.
930								Not in Dm.
931	+21	4256	20	27.1	+21	27	9.0	
932								Not in Dm.
933	+21	4265	20	27.6	+21	17	9.3	
934								Not in Dm.
935								Not in Dm.
936	+21	4263	20	27.5	+21	4	9.5	
937	+20	4628	20	27.4	+20	55	9.1	
938	+20	4624	20	27.2	+20	41	9.5	~~Not in Dm.~~
939								Not in Dm.
940	+20	4630	20	27.8	+20	35	9.3	
941	+20	4631	20	28.3	+20	57	9.5	
942								Not in Dm.
943	+21	4267	20	27.8	+21	25	8.9	
944	+21	4269	20	28.0	+21	24	9.0	
945	+21	4268	20	28.0	+21	28	9.2	
946								Not in Dm.
947								Not in Dm.
948	+21	4273	20	28.5	+21	24	9.5	
949								Not in Dm.
950								Not in Dm.

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1931phae.proj.22736

Oct. 12, 1932

M 7 8146.

F.C.

951	6	a_2
952	3	g_5
953	3	a_3
954	4	F_0
955	1	a_7
956	5	F_0
957	1	F_0
958	1	K_1
959	4	a_2
960	1	g
961	3	K_7
962	6	g_5
963	1	K_7
964	1	F_5
965	2	g_0
966	1	a_2
967	4	K_0
968	6	a_2
969	2	g_5
970	4	g_0
971	4	F_2
972	1	K_0
973	3	g_0
974	2	K_2
975	3	F_2

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1931phae.proj.22736

I 40620 Nov. 14, 1932

				h m				
951	+21°	4271	20	28.3	+21°	43'	9.0	
952	+21	4274	20	28.5	+21	35	9.5	
953	+21	4277	20	28.9	+21	39	9.5	
954	+21	4278	20	29.0	+21	36	9.1	
955								Not in Dm.
956	+21	4276	20	28.6	+21	4	9.2	
957								Not in Dm.
958								Not in Dm.
959	+20	4631	20	28.8	+20	34	9.3	
960								Not in Dm.
961	+20	4635	20	29.1	+20	28	9.2	
962	+20	4636	20	29.1	+20	50	9.1	
963	+20	4637	20	29.3	+20	46	9.5	
964								Not in Dm.
965	+20	4639	20	29.9	+20	17	9.5	
966								Not in Dm.
967	+19	4458	20	30.0	+19	52	9.2	
968	+19	4459	20	30.0	+19	56	9.1	
969								Not in Dm.
970	+19	4462	20	30.5	+19	46	9.3	
971	+19	4463	20	30.5	+19	48	9.4	
972								Not in Dm.
973	+20	4645	20	30.9	+20	14	9.3	
974	+20	4647	20	31.1	+20	17	9.4	
975	+20	4650	20	31.5	+20	13	9.4	

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1931phae.proj.22730

Oct. 12, 1932

M7 -8146

7.C.

976	1	K_0
977	1	K_0
978	1	g_0
979	3	F_5
980	1	K
981	3	a_7
982	1	K_7
983	1	F_8
984	2	F_0
985	2	a_5
986	2	K_0
987	2	F_5
988	1	F_8
989	3	a_0
990	2	K_2
991	4	F_2
992	2	a
993	1	K_5
994	3	K_2
995	4	F_5
996	3	K_7
997	6	F_0
998	5	g_5
999	5	F_0
1000	3	K_2

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I 40620 Nov. 14, 1932

976								Not in Dm.
977								Not in Dm.
978								Not in Dm.
979	+20°	4643	20	30.6	+20°	53	9.5	
980	+20	4642	20	30.3	+20	57	9.5	
981								Not in Dm.
982	+20	4638	20	29.8	+20	57	9.5	
983								Not in Dm.
984								Not in Dm.
985								Not in Dm.
986	+21	4280	20	29.8	+21	28	9.5	
987	+21	4279	20	29.7	+21	35	9.5	
988								Not in Dm.
989								Not in Dm.
990	+21	4283	20	30.4	+21	33	9.5	
991	+21	4281	20	29.8	+21	24	9.5	
992	+21	4286	20	30.6	+21	4	9.4	
993								Not in Dm.
994	+21	4289	20	31.1	+21	33	9.4	
995	+21	4290	20	31.2	+21	18	9.4	
996	+21	4293	20	31.3	+21	20	8.8	
997	+21	4294	20	31.5	+21	10	8.8	
998	+20	4646	20	31.0	+20	56	9.0	
999	+20	4648	20	31.3	+20	56	9.4	
1000	+21	4296	20	31.5	+21	5	9.4	

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1931phae.proj.22730

Thurs. Oct. 13, 1932

27 8114

F.C.

1	4	F8
2	7	K0
3	1	F2
4	1	K2
5	2	g0
6	2	F8
7	2	g5
8	3	F2
9	3	F5
10	X 7	K0 ~~G7~~
11	1	K7
12	4	K0
13	1	F8
14	3	g5
15	3	K2
16	3	K0
17	1	K7
18	3	a2
19	1	K7
20	3	g5
21	2	m0
22	1	K0
23	4	K0
24	5	a7
25	1	g0

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I 40620 Nov. 14, 1932

				h	m		°	′		
1	+17°	4373	20		32.4	+17	°	23′	9.3	✓
2	+17	4374	20		32.5	+17		21	8.5	✓
3										Not in Dm. ✓
4										Not in Dm. ✓
5										Not in Dm. ✓
6										Not in Dm. ✓
7										Not in Dm. ✓
8										Not in Dm. ✓
9	+18	4566	20		32.5	+18		58	9.5	✓
10	+18	4569	20		32.9	+18		27	8.8	✓
11	+18	4567	20		32.9	+18		39	9.5	✓
12	+18	4570	20		32.9	+18		37	9.2	✓
13	+18	4568	20		32.9	+18		54	9.5	✓
14	+18	4571	20		33.0	+18		45	9.2	✓
15										Not in Dm. ✓
16										Not in Dm. ✓
17	+18	4572	20		33.3	+18		42	9.5	✓
18										Not in Dm. ✓
19										Not in Dm. ✓
20										Not in Dm. ✓
21	+17	4376	20		33.8	+17		32	9.5	✓
22										Not in Dm. ✓
23	+17	4377	20		34.1	+17		25	9.5	✓
24	+17	4381	20		34.6	+17		31	9.1	✓
25										Not in Dm. ✓

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1931phae.proj.2278C

202

Oct. 13, 1932

N7 8114

7.C.

26	4	K_0
27	2	K_5
28	2	K_7
29	3	K_2
30	7	K_0
31	1	g
32	1	K_5
33	2	F_0
34	1	g_5
35	4	F_8
36	4	F_5
37	7	a_2
38	1	g
39	1	g_0
40	1	g_2
41	3	K_0
42	3	F_0
43	1	g_5
44	3	F_8
45	1	a_7
46	1	K_2
47	1	a_5
48	1	K_7
49	4	a_2
50	4	K_5

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1931phae.proj.22730

I 40420 Nov. 14, 1932

26	+18°	4579	20h	35m.0	+18°	12′	9.4	
27								Not in Dm.
28	+18	4582	20	35.2	+18	0	9.5	
29	+18	4584	20	35.3	+18	3	9.5	
30	+17	4383	20	35.4	+17	50	9.0	
31								Not in Dm.
32								Not in Dm.
33								Not in Dm.
34								Not in Dm.
35	+18	4587	20	35.8	+18	13	9.5	
36								Not in Dm.
37	+17	4385	20	36.0	+17	52	8.8	
38								Not in Dm.
39								Not in Dm.
40								Not in Dm.
41								Not in Dm.
42								Not in Dm.
43								Not in Dm.
44								Not in Dm.
45								Not in Dm.
46	+17	4387	20	36.7	+17	44	9.5	
47								Not in Dm.
48								Not in Dm.
49	+18	4588	20	36.0	+18	16	9.5	
50	+18	4589	20	36.0	+18	27	9.1	

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1931phae.proj.22730

Oct. 13, 1932

m+ 8114

F.C.

51	3	K0
52	1	K7
53	1	K7
54	1	g0
55	3	K7
56	3	m0
57	4	g0
58	3	F8
59	7	B9
60	1	F5
61	1	K7
62	3	K2
63	2	F5
64	1	K2
65	1	a
66	1	K5
67	1	m
68	4	g0
69	4	F8
70	1	a7
71	2	K5
72	1	K7
73	5	m0
74	4	a7
75	2	F8

lines narrow 4077 plus. A grain clear

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1951phae.proj.22736

I 40620 Nov. 14, 1932

			h	m				
51								Not in Dm. ✓
52								Not in Dm. ✓
53								Not in Dm. ✓
54	+18°	4583	20	35.3	+18°	42′	9.5	✓
55	+18	4580	20	35.0	+18	36	9.5	✓
56	+18	4581	20	35.2	+18	55	9.5	✓
57	+18	4578	20	34.8 ?	+18	49	9.5	
58	+18	4577	20	34.5	+18	42	9.5	✓
59	+18	4576	20	34.4	+18	38	9.1	✓
60	+18	4574	20	34.4	+18	52	9.5	~~Not in Dm.~~
61								Not in Dm. ✓
62	~~+18~~	~~4574~~	~~20~~	~~34.4~~	~~+18~~	~~52~~	~~9.5~~	Not in DM
63								Not in Dm. ✓
64	+18	4575	20	34.4	+18	42	9.5	✓
65								Not in Dm. ✓
66								Not in Dm. ✓
67								Not in Dm. ✓
68								Not in Dm. ✓
69	+19	4478	20	33.0	+19	4	9.5	✓
70								Not in Dm. ✓
71								Not in Dm. ✓
72								Not in Dm. ✓
73	+19	4473	20	32.2	+19	54	8.8	✓
74	+19	4475	20	32.5	+19	44	9.3	✓
75								Not in Dm. ✓

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1931phae.proj.22730

206

Oct. 13, 1932

M7 8114.

7.C.

76	3	F_5^-
77	1	K_7
78	2	g_0
79	2	K_2
80	3	K_0
81	2	g_0
82	1	a_5
83	2	g_5^-
84	1	g
85	1	F_0
86	4	K_0
87	2	K_7
88	3	F_0
89	3	a_3
90	3	g_0
91	2	a_2
92	2	F_5^-
93	4	K_0
94	7	a_3
95	2	g_5
96	4	a_0
97	4	g_5^-
98	3	F_8
99	3	K_0
100	3	F_8

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1931phae.proj.227sc

I 40620 Nov. 14, 1932

76	+20°	4661	20h	32.7m	+20°	2'	9.5	~~Not in Dm.~~ ✓
77								Not in Dm. ✓
78								Not in Dm. ✓
79								Not in Dm. ✓
80								Not in Dm. ✓
81								Not in Dm. ✓
82								Not in Dm. ✓
83								Not in Dm. ✓
84								Not in Dm. ✓
85								Not in Dm. ✓
86	+19°	4481	20h	23.6m	+19°	9'	9.3	✓
87								Not in Dm. ✓
88								Not in Dm. ✓
89								Not in Dm. ✓
90								Not in Dm. ✓
91								Not in Dm. ✓
92								Not in Dm. ✓
93	+19	4482	20	33.8	+19	46	9.5	✓
94								Not in Dm. ✓
95								Not in Dm. ✓
96	~~+19~~	~~4477~~	~~20~~	~~33.0~~	~~+19~~	~~50~~	~~9.5~~	~~Not in Dm.~~ ✓
97	~~+19~~	~~4480~~	~~20~~	~~33.5~~	~~+19~~	~~56~~	~~9.5~~	Not in Dm ✓
98								Not in Dm. ✓
99	+20	4668	20	33.4	+20	8	9.4	✓
100	+20	4667	20	33.4	+20	12	9.4	✓

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1931phae.proj.22730

Oct. 13, 1932

7 811.4.

7.C.

101	2	g5
102	4	K0
103	4	g0
104	3	g0
105	2	g5
106	2	g0
107	5	a2
108	4	a3
109	1	K0
110	2	K0
111	2	F8
112	2	K2
113	3	K2
114	2	a3
115	6	F5
116	2	g0
117	5	F8
118	5	g5
119	3	F2
120	5	F8
121	7	B9
122	5	a2
123	2	a2
124	1	K2
125	1	K5

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1931phae.proj.22795

I 18164 Nov. 14, 1932

101								Not in Dm. ✓
102	+20°	4665	20h	33.2m	+20°	24′	9.4	✓
103	+20	4662	20	32.9	+20	29	9.2	✓
104								Not in Dm. ✓
105								Not in Dm. ✓
106								Not in Dm. ✓
107								Not in Dm. ✓
108								Not in Dm. ✓
109								Not in Dm. ✓
110								Not in Dm. ✓
111								Not in Dm. ✓
112								Not in Dm. ✓
113								Not in Dm. ✓
114								Not in Dm. ✓
115	+20	4654	20	31.9	+20	23	9.2	✓
116								Not in Dm. ✓
117								Not in Dm. ✓
118	+20	4655	20	31.9	+20	33	9.3	✓
119								Not in Dm. ✓
120	+20	4652	20	31.5	+20	46	9.0	✓
121	+20	4657	20	32.0	+20	50	8.8	✓
122	+21	4298	20	31.8	+21	3	9.4	✓
123								Not in Dm. ✓
124	+21	4295	20	31.5	+21	26	9.5	✓
125	+21	4297	20	31.5	+21	22	9.4	✓

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1931phae.proj.22730

Oct. 13, 1932

M7. 8114

7. C.

126	1	A3	
127	7	A3	
128	1	F5	
129	3	F2	
130	5	K0	
131	7	F5	
132	2	K0	
133	1	G0	
134	1	F5	
135	3	A0	
136	2	F5	
137	2	F8	
138	5	A5	
139	2	G0	
140	1	F5	
141	3	K1	
142	4	F2	
143	1	A3	
144	3	K2	
145	4	A3	Comp.? G bands seen.
146	3	A2	
147	4	F8	
148	1	A	
149	1	F0	
150	1	A	S. & triplet of 3.

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1931phae.proj.227cc

I 18164

Nov. 14, 1932

126								Not in Dm. ✓
127	+21°	4300	20h	31.9m	+21°	28′	8.9	✓
128								Not in Dm. ✓
129	+21	4303	20	32.6	+21	3	9.5−	✓
130	+20	4663	20	32.9	+20	44	9.0	✓
131	+20	4664	20	33.1	+20	41	8.9	✓
132								Not in Dm. ✓
133								Not in Dm. ✓
134								Not in Dm. ✓
135								Not in Dm. ✓
136								Not in Dm. ✓
137								Not in Dm. ✓
138								Not in Dm. ✓
139								Not in Dm. ✓
140								Not in Dm. ✓
141	+20	4672	20	33.9	+20	15	9.4	✓
142	+20	4670	20	33.8	+20	8	9.4	✓
143								Not in Dm. ✓
144	+20	4673	20	34.1	+20	15	9.5−	✓
145	+19	4483	20	34.1	+19	52	9.5−	✓
146								Not in Dm. ✓
147								Not in Dm. ✓
148								Not in Dm. ✓
149								Not in Dm. ✓
150								Not in Dm. ✓

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Oct. 13, 1932

27 Z. 8114.

F.C.

151	1	K5
152	1	K2
153	2	F0
154	2	g5
155	4	g5
156	1	F0
157	1	F2
158	1	a3
159	1	a2
160	1	K7
161	1	K0
162	2	K0
163	5	F2
164	2	K2
165	2	F0
166	5	F0
167	4	a3
168	3	g0
169	2	g5
170	5	K0
171	2	F8
172	2	K5
173	3	M0
174	1	F
175	1	g5

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1931phae.proj.227cc

I 18164 Nov. 14, 1932

151								Not in Dm. ✓
152								Not in Dm. ✓
153								Not in Dm. ✓
154								Not in Dm. ✓
155	+19	4486	20	34.8	+19	38	9.5	✓
156								Not in Dm. ✓
157								Not in Dm. ✓
158								Not in Dm. ✓
159								Not in Dm. ✓
160								Not in Dm. ✓
161								Not in Dm. ✓
162								Not in Dm. ✓
163	+19	4485	20	34.7	+19	52	9.5	✓
164								Not in Dm. ✓
165								Not in Dm. ✓
166								Not in Dm. ✓
167	+19	4488	20	35.5	+19	43	9.5	~~Not~~ ✓
168								Not in Dm. ✓
169								Not in Dm. ✓
170	+18	4592	20	36.4	+18	56	8.8	✓
171								Not in Dm. ✓
172	+19	4492	20	36.6	+19	1	9.5	✓
173	+18	4590	20	36.2	+18	41	8.6	✓
174								Not in Dm. ✓
175								Not in Dm. ✓

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N 7 8114

F.C.

176	4	K0
177	6	F2
178	7	a2
179	2	g0
180	3	K2
181	1	g5
182	1	a7
183	1	K0
184	5	a0
185	2	g5
186	1	K7
187	3	M0
188	6	F5
189	6	B8
190	1	g0
191	1	g0
192	5	g0
193	1	K5
194	6	g5
195	5	a5
196	1	g0
197	2	F5
198	2	K7
199	3	K2
200	3	K0

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176	+18°	4594	20h	36.7m	+18°	25'	9.4	
177								Not in Dm
178	+18	4595	20	37.2	+18	27	9.0	
179								Not in Dm.
180								Not in Dm.
181								Not in Dm.
182								Not in Dm.
183								Not in Dm.
184	+17	4390	20	37.6	+17	27	9.4	
185	+17	4392	20	37.8	+17	31	9.5	
186								Not in Dm.
187	+17	4395	20	38.1	+17	46	9.5	
188	+17	4393	20	37.8	+17	52	9.1	
189	+18	4603	20	38.2	+18	4	9.3	
190								Not in Dm.
191								Not in Dm.
192	+18	4599	20	37.5	+18	18	9.4	
193								Not in Dm.
194	+18	4596	20	37.3	+18	43	8.8	
195	+18	4597	20	37.4	+18	42	9.2	
196								Not in Dm.
197								Not in Dm.
198								Not in Dm.
199	+18	4605	20	38.5	+18	54	9.4	
200								Not in Dm.

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1931phae.proj.22730

Fri. Oct. 14, 1932

m.7 8114.

7.C.

201	5	F8
202	1	K5
203	1	F5
204	2	K0
205	2	K2
206	1	g0
207	1	g5
208	4	g0
209	7	g5
210	1	g5
211	2	g0
212	2	F0
213	1	K2
214	2	K7
215	2	g0
216	6	F0
217	2	F0
218	1	F5
219	1	F0
220	3	F2
221	5	F0
222	5	K2
223	4	A3
224	5	g5
225	3	F5

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1931phae.proj.22730

I 4620 Nov. 14, 1932

201								Not in Dm. ✓
202	+19°	4499	20h	37.8	+19°	15'	9.5	✓
203								Not in Dm. ✓
204								Not in Dm. ✓
205								Not in Dm. ✓
206								Not in Dm. ✓
207								Not in Dm. ✓
208	+19	4493	20	36.9	+19	31	9.5	✓
209	+19	4497	20	37.2	+19	41	8.7	✓
210								Not in Dm. ✓
211								Not in Dm. ✓
212								Not in Dm. ✓
213								Not in Dm. ✓
214	+19	4502	20	38.7	+19	25	9.5	✓
215								Not in Dm. ✓
216	+19	4504	20	39.1	+19	29	9.2	✓
217								Not in Dm. ✓
218								Not in Dm. ✓
219								Not in Dm. ✓
220								Not in Dm. ✓
221	+19	4505	20	39.4	+19	9	9.3	✓
222	+18	4610	20	39.6	+18	57	9.0	✓
223								Not in Dm. ✓
224	+18	4608	20	39.1	+18	36	9.1	✓
225								Not in Dm. ✓

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Oct. 14, 1932

α 7. 8114.

F.C.

226	5	F2
227	2	F8
228	5	a5
229	2	F5
230	5	g5
231	1	F5
232	6	M1
233	2	F0
234	5	K0
235	7	a5
236	2	F0
237	2	K5
238	1	g0
239	3	K0
240	2	F8
241	1	K5
242	3	K5
243	1	F5
244	1	F8
245	4	M2
246	2	F5
247	3	g0
248	2	a5
249	3	F2
250	4	F2

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226								Not in Dm. ✓
227								Not in Dm. ✓
228	+18°	4606	20h	39.0m	+18°	18'	9.5	✓
229								Not in Dm. ✓
230	+18	4604	20	38.4	+18	9	9.0	✓
231								Not in Dm. ✓
232	+17	4397	20	38.5	+17	46	8.3	✓
233	+17	4398	20	38.5	+17	33	9.4	✓
234	+17	4399	20	38.6	+17	30	8.8	✓
235	+17	4400	20	38.7	+17	38	9.2	✓
236								Not in Dm. ✓
237								Not in Dm. ✓
238								Not in Dm. ✓
239	+17	4403	20	39.3	+17	40	9.1	✓
240	+17	4402	20	39.3	+17	50	9.5	✓
241								Not in Dm. ✓
242	+18	4609	20	39.2 4	+18	1	9.3	✓
243	+17	4404	20	39.1	+17	36 ~~23~~	9.5	✓
244								Not in Dm. ✓
245	+17	4405	20	39.7	+17	23	9.1	✓
246								Not in Dm. ✓
247	+17	4406	20	40.0	+17	43	9.5	✓
248								Not in Dm. ✓
249								Not in Dm. ✓
250								Not in Dm. ✓

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Oct. 14, 1932

m 7 8114

F.C.

251	3	a3
252	1	F8
253	3	F5
254	4	g5
255	6	K5
256	2	g0
257	2	K7
258	2	g5
259	1	K7
260	1	K5
261	3	F2
262	4	a2
263	1	a7
264	4	a0
265	6	g5
266	1	a2
267	5	F2
268	6	g5
269	5	F2
270	7	a2
271	8	F5
272	5	F2
273	8	a3
274	3	a0
275	2	F8

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251								Not in Dm. ✓
252								Not in Dm. ✓
253	+17°	4411	20h	40.7m	+17°	43′	9.5	✓
254								Not in Dm. ✓
255	+17	4409	20	40.6	+17	26	9.2	✓
256	+17	4413	20	41.1	+17	22	9.4	✓
257	+17	4415	20	41.2	+17	15	9.3	✓
258	+17	4416	20	41.2	+17	10	9.3	✓
259	+17	4417	20	41.2	+17	21	9.5	✓
260								Not in Dm. ✓
261								Not in Dm. ✓
262								Not in Dm. ✓
263								Not in Dm. ✓
264	+17	4420	20	41.8	+17	55	9.5	✓
265	+17	4419	20	41.6	+17	50	9.1	✓
266								Not in Dm. ✓
267	+17	4412	20	41.0	+17	52	9.2	✓
268	+18	4616	20	40.3	+18	5	8.9	✓
269	+18	4615	20	40.3	+18	12	9.5	✓
270	+18	4613	20	40.2	+18	27	8.9	✓
271	+18	4611	20	40.0	+18	44	8.8	✓
272	+18	4617	20	40.4	+18	40	9.2	✓
273	+18	4619	20	40.5	+18	46	8.9	✓
274								Not in Dm.. ✓
275								Not in Dm. ✓

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Oct. 14, 1932

M.Z 8,114

7.C.

276	2	K0
277	4	F2
278	4	F0
279	3	F5
280	5	g5
281	1	a
282	2	F5
283	1	K7
284	2	K0
285	2	F8
286	2	F5
287	3	g0
288	3	F0
289	5	a3
290	5	g0
291	3	K0
292	1	K7
293	2	F0
294	6	g5
295	1	K7
296	4	F2
297	5	F2
298	1	g
299	3	M1
300	7	g5

Br. lines ? Var. ? not a known var., 1/14/35

Cont. Bk. 192, 2

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276	+18°	4620	20h	40.8m	+18°	22′	9.5		✓
277	+18	4614	20	40.2	+18	56	9.1		✓
278								Not in Dm.	✓
279	+19	4513	20	40.7	+19	2	9.4	~~Not in Dm~~	✓
280	+19	4511	20	40.5	+19	17	9.4		✓
281								Not in Dm.	✓
282	+19	4506	20	40.0	+19	28	9.5		✓
283	+19	4508	20	40.3	+19	36	9.4	Not in DM	
284								Not in Dm.	✓
285	+19	4510	20	40.5	+19	26	9.5		✓
286								Not in Dm.	✓
287								Not in Dm.	✓
288	+20	4715	20	40.2	+20	0	9.5		
289	+19	4509	20	40.3	+19	52	9.4		✓
290	+19	4514	20	40.8	+19	48	9.2		✓
291	+19	4515	20	41.3	+19	53	9.3		✓
292	+20	4717	20	41.1	+20	0	9.5		✓
293	+19	4517	20	41.4	+19	39	9.5	Not in DM	
294	+19	4516	20	41.3	+19	29	9.2		
295	+19	4519	20	41.7	+19	45	9.5		✓
296	+19	4520	20	42.1	+19	47	9.5		✓
297	+19	4522	20	42.4	+19	43	9.5		✓
298								Not in Dm.	✓
299	+19	4524	20	42.6	+19	48	9.1		✓
300	+19	4525	20	42.7	+19	54	8.3		✓

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