THORP & MARTIN
COMPANY

STATIONERS

66 FRANKLIN STREET
BOSTON

IN RENEWING THE ORDER FOR THIS BOOK IT IS ONLY NECESSARY TO QUOTE THE NUMBER BELOW, YOU CAN TELEPHONE THE ORDER

No. 15761 PR.

1931pnae.proj.2272C

R.F 9972

April 17, 1931
Cont. from Bk. 189, 216

F.C.

701	2	K5	
702	2	K7	
702a	4	Br.	
703	2	K0	
704	7	Br.	
705	1	K7	
706	2	K5	
707	7	Br.	A2
707a	1	K7	
708	5	F5	
708a	1	K7	
709	6	F8	
710	2	G5	
~~710a~~	~~3~~	~~B~~	~~See also a 1900~~ (should be 10a)
711	2	K7	
712	1	K7	
713	7	Br	
714	7	Br	
715	2	M0	
716	3	K0	
717	1	K2	
718	3	K0	
719	3	K7	
720	1	K7	
721	4	A5	
722	5	G0	
723	4	K0	
724	2	K7	
725	2	M0	

B 18383 May 14, 1931

701	-66°	316	4^h	41^m	57.5^s	-66°	$35.9'$	9.8		✓
702									Not in CPD	✓
702a	-66	318	4	43	14.0	-66	35.1	9.1		✓
703									Not in CPD	✓
704	-65	376	4	43	23.0	-65	44.0	8.7		✓
705									Not in CPD	✓
706									Not in CPD	✓
707	-66	322	4	46	41.5	-66	13.5	8.5		✓
707a									Not in CPD	✓
708	-66	325	4	46	59.0	-66	3.3	9.1		✓
708a									Not in CPD	✓
709	-65	380	4	46	1.0	-65	39.9	9.0		✓
710									Not in CPD	✓
711									Not in CPD	✓
712									Not in CPD	✓
713	-65	377	4	44	8.5	-65	12.0	8.9		✓
714	-65	378	4	44	37.0	-65	1.9	9.0		✓
715	-65	379	4	45	14.5	-65	7.0	9.9		✓
716	-65	381	4	46	23.0	-65	14.8	9.6		✓
717									Not in CPD	✓
718	-65	382	4	47	19.5	-65	47.8	9.5		✓
719	-65	383	4	47	33.0	-65	40.9	9.9		✓
720									Not in CPD	✓
721	-65	384	4	48	5.3	-65	57.7	9.5		✓
722	-65	385	4	48	46.0	-65	47.9	9.0		✓
723	-65	387	4	49	27.5	-65	49.8	9.3		✓
724									Not in CPD	✓
725									Not in CPD	✓

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F.C.

726	5	F8	
727	5	G0	
728	2	K7	
729	1	K7	
730	3	K2	
731	3	A5	
732	2	K7	
733	1	K5	
734	1	K7	
735	1	K0	
736	2	K2	
737	5	K2	
738	3	K5	
739	1	K7	
740	2	K0	
741	4	K0	
742	1	K0	
743	5	G0	
744	2	K7	
745	1	M0	
746	2	K5	
747	~~2~~ 1	K5 ~~G5~~	(wrong slit print)
748	1	K0	
749	1	K5	omit
750	4	F5	

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726	-65°	386	4^{h}	49^{m}	27.0^{s}	-65°	$17.'3$	9.0		✓
727	-65	388	4	49	52.0	-65	23.6	9.1		✓
728									Not in CPD	✓
729									Not in CPD	✓
730									Not in CPD	✓
731	-65	389	4	51	33.0	-65	13.9	9.8		✓
732									Not in CPD	✓
733									Not in CPD	✓
734									Not in CPD	✓
735									Not in CPD	✓
736									Not in CPD	✓
737	-65	390	4	51	52.5	-65	38.2	9.3		✓
738									Not in CPD	✓
739									Not in CPD	✓
740									Not in CPD	✓
741	-65	391	4	53	10.5	-65	16.1	9.9		✓
742									Not in CPD	✓
743	-65	392	4	53	43.0	-65	35.6	9.1		✓
744									Not in CPD	✓
745									Not in CPD	✓
746									Not in CPD	✓
747									Not in CPD	✓
748									Not in CPD	✓
749									Not in CPD	
750	-65	393	4	54	22.5	-65	9.5	9.2		✓

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M.F. 9972

F.C.

751	3	K5	
752	4	G0	
753	6	Br	G5
754	1	M0	
755	1	K7	
756	1	K5	
757	4	G5	
758	4	Br.	K0
759	5	Br.	K2
760	2	K7	
761	2	M0	
762	1	K7	
763	1	K0	
764	8	Br	K0
765	4	K5	
766	2	M0	
767	1	K7	
768	1	K7	
769	2	K0	
770	3	K5	
771	1	K5	
772	2	K0	
773	3	K0	
774	1	K0	
775	1	M0	

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751	-64°	387	4^{h}	54^{m}	44.0^{s}	-64°	$58'.4$	9.6		✓
752	-64	386	4	54	43.0	-64	55.8	9.3		✓
753	-64	389	4	55	22.0	-64	46.5	8.7		✓
754									Not in CPD	✓
755									Not in CPD	✓
756									Not in CPD	✓
757	-64	392	4	56	24.5	-64	32.8	9.5		✓
758	-64	393	4	56	47.0	-64	42.4	9.5		✓
759	-64	394	4	57	7.5	-64	47.1	9.2		✓
760									Not in CPD	✓
761									Not in CPD	✓
762									Not in CPD	✓
763									Not in CPD	✓
764	-64	397	4	59	45.8	-64	24.3	8.4		✓
765	-64	398	4	59	51.0	-64	37.3	9.4		✓
766	-65	400 ~~39~~	4	59	5.0	-65	9.7	10.0		✓
767									Not in CPD	✓
768									Not in CPD	✓
769									Not in CPD	✓
770	-65	396	4	57	9.0	-65	28.1	9.5		✓
771									Not in CPD	✓
772	-65	401	4	59	14.0	-65	19.1	10.0		✓
773	-65	403	4	59	32.0	-65	18.4	9.5		✓
774									Not in CPD	✓
775									Not in CPD	✓

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MF 9972

F.C.

776	4	F8		
777	4	Ko		
$77\overset{8}{7}$	7	Br.		F8
$77\overset{9}{8}$	1	Ko		
$7\overset{80}{79}$	4	K2		
$78\overset{1}{0}$	6	Br.		K5
782	1	K5		
$78\overset{3}{7}$	3	G5		
784	3	K5		
785	7	Mo		
786	1	G5		
787	1	Ko		
788	3	G5		
789	8	Br.		G5
790	3	K7		
791	2	K5	omit	
792	2	F8		
793	1	K5		
794	4	Ko		
795	5	Go		
796	2	cl.	Dark lines seen. Perhaps F5.	
797	1	K7		
798	1	K5		
799	1	Mo		
800	3	G5		

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776	-65°	408	5^h	0^m	40.7^s	-65°	15.1'	9.4		✓
777	-65	415	5	1	41.2	-65	11.9	9.3		✓
778	-65	417	5	1	47.0	-65	4.9	8.8		✓
779									not in CPD	✓
780	-65	419	5	2	26.5	-65	0.8	9.4		✓
781	-64	403	5	2	31.5	-64	42.5	9.2		✓
782									not in CPD	✓
783	-65	412	5	1	23.5	-65	30.9	10.0		✓
784	-65	420	5	2	44.0	-65	15.7	9.5		✓
785	-65	421	5	3	21.5	-65	11.0	8.9		✓
786									not in CPD	✓
787									not in CPD	✓
788	-65	424	5	4	43.0	-65	9.3	9.8		✓
789	-64	405	5	4	3.0	-64	42.8	8.4		✓
790	-64	408	5	4	51.5	-64	46.4	9.7		✓
~~791~~	~~-64~~	~~407~~	~~5~~	~~4~~	~~48.5~~	~~-64~~	~~37.0~~	~~9.8~~		
792	-64	410	5	5	17.5	-64	32.5	9.7		✓
793	-64	412	5	5	37.5	-64	35.5	10.0		✓
794	-64	414	5	6	58.5	-64	42.0	9.3		✓
795	-64	413	5	6	43.8	-64	59.5	9.1		✓
796									not in CPD	✓
797									not in CPD	✓
798									not in CPD	✓
799									not in CPD	✓
800									not in CPD	✓

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7. C.

801	1	K5		
802	1	K2	omit	
803	1	K7		
804	3	K0		
805	3	K5		
806	7	Bv.		K2
807	6	Bv.		A5
808	1	K5		
809	1	K2		
810	1	K5		
811	2	K2		
812	2	K7		
813	2	K2		
814	5	K0		
815	2	K5		
816	1	K7		
817	1	F8		
818	5	G5		
819	1	M0		
820	2	K7		
821	1	K7		
822	4	K5		
823	4	K2		
824	6	G5		
825	2	K0		

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801									Not in CPD	✓
~~802~~									~~Not in CPD~~	
803									Not in CPD	✓
804									Not in CPD	✓
805									Not in CPD	✓
806	-64°	418	5h	9m	0.5s	-64°	32'.2	9.1		✓
807	-64	419	5	9	20.5	-64	41.9	9.1		✓
808									Not in CPD	✓
809									Not in CPD	✓
810									Not in CPD	✓
811									Not in CPD	✓
812									Not in CPD	✓
813									Not in CPD	✓
814	-64	423	5	11	29.5	-64	47.0	9.5		✓
815									Not in CPD	✓
816									Not in CPD	✓
817									Not in CPD	✓
818	-65	442	5	12	43.5	-65	7.1	9.3		✓
819									Not in CPD	✓
820									Not in CPD	✓
821									Not in CPD	✓
822	-65	445	5	13	51.5	-65	0.9	9.8		✓
823	-64	430	5	13	5.5	-64	46.8	9.8		✓
824	-64	431	5	13	10.5	-64	36.5	8.9		✓
825									Not in CPD	✓

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7. c.

826	3	a	
827	2	K5	
828	4	G5	
829	1	K0	
830	1	K2	
831	3	F2	
832	1	K5	
833	1	K2	
834	5	K2	
835	5	K5	
836	2	K0	
837	2	M0	
838	2	K7	
839	1	K2	
840	1	K5	
841	1	K0	
842	2	K7	
843	5	F8	
844	4	M0	
845	2	K5	omit
846	2	K2	
847	3	K7	
848	2	K7	
849	2	F8	
850	2	K5	

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826	-64°	432	5^h	13^m	39.5^s	-64°	33.1	9.5		✓
827	-64	434	5	14	22.5	-64	39.8	10.0		✓
828	-64	433	5	14	10.5	-64	50.2	9.7		✓
829									Not in CPD	✓
830									Not in CPD	✓
831	-65	447	5	15	30.0	-65	4.5	10.0		✓
832									Not in CPD	✓
833									Not in CPD	✓
834	-65	449	5	17	1.0	-65	22.9	9.7		✓
835	-65	451	5	17	21.0	-65	14.1	9.5		✓
836	-65	450	5	17	5.0	-65	1.7	10.0		✓
837									Not in CPD	✓
838									Not in CPD	✓
839									Not in CPD	✓
840									Not in CPD	✓
841									Not in CPD	✓
842									Not in CPD	✓
843	-64	437	5	18	54.5	-64	47.2	9.5		✓
844	-64	438	5	19	33.5	-64	48.9	9.7		✓
~~845~~									~~Not in CPD~~	
846									Not in CPD	✓
847	-65	454	5	19	26.0	-65	16.1	10.0		✓
848									Not in CPD	✓
849									Not in CPD	✓
850									Not in CPD	✓

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MF 9972

F.C.

851	1	G5		
852	3	G0		
853	5	M0		
854	1	K0	omit	
855	4	A5		
856	3	K5		
857	1	K0		
858	2	K7		
859	3	F5		
860	8	Br.		A5
861	2	M0		
862	4	F8		
863	7	K0		
864	1	K5		
865	2	M0		
866	5	Cont.	B A2900	
867	4	Cont.	" " "	
868	5	G5		
869	2	K0		
870	3	F2		
871	3	G5		
872	1	K2		
873	2	G	omit	
874	5	G0		
875	2	F5		

B 18383

	°		h	m	s	°	'			
851									not in CPD	✓
852									not in CPD	✓
853	-65	452	5	17	52.5	-65	39.3	9.2		✓
~~854~~									~~not in CPD~~	
855	-65	453	5	18	33.5	-65	48.9	10.0		✓
856									not in CPD	✓
857									not in CPD	✓
858									not in CPD	✓
859									not in CPD	✓
860	-65	455	5	19	29.5	-65	42.8	8.7		✓
861									not in CPD	✓
862	-65	456	5	20	19.0	-65	52.7	9.5		✓
863	-65	457	5	20	44.5	-65	55.1	8.9		✓
864									not in CPD	✓
865	-66	404	5	21	18.2	-66	0.6	10.0		✓
866	-65	462	5	21	26.0	-65	59.0	9.4		✓
867	-65	461	5	21	25.0	-65	51.9	9.5		✓
868	-65	460	5	21	24.0	-65	45.3	9.3		✓
869									not in CPD	✓
870	-65	463	5	22	19.0	-65	50.9	10.0		✓
871	-65	464	5	22	52.5	-65	52.9	10.0		✓
872									not in CPD	✓
~~873~~									~~not in CPD~~	
874	-66	407	5	22	48.0	-66	7.9	9.8		✓
875	-66	405	5	22	1.0	-66	13.5	10.0		✓

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7.C.

876	3	Cont.	
877	1	K7	
877a	1	Fe	
878	2	K0	
879	3	K0	
880	6	G0	
881	3	K5	
882	1	A5	
883	1	G5	
884	1	M0	
885	1	Cont.	
886	7	A2	
886a	1	P	Hγ and 3727 seen
887	1	K2	
888	2	M0	
889	7	Br.	K2
890	2	F8	
891	2	F2	
892	3	G5	
893	4	Cont.	Probably B from A plates
894	3	A0	
895	2	K2	
896	4	K5	
897	2	Cont.	Probably B
898	2	G5	
899	5	F8	
900	2	Cl.	

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	°		h	m	s	°	'			
876									Not in CPD	✓
877									Not in CPD	✓
877a								not in CPD	cluster	✓
878									Not in CPD	✓
879									Not in CPD	✓
880	-66°	408	5	23	2.5	-66	31.9	9.1		✓
881	-66	410	5	23	51.0	-66	29.6	10.0		✓
882									Not in CPD	✓
883									Not in CPD	✓
884									Not in CPD	✓
885									Not in CPD	✓
886	-66	412	5	25	16.5	-66	12.5	8.4		✓
887									Not in CPD	✓
888									Not in CPD	✓
889	-65	469	5	25 ~~27~~	37.0 ~~28.5~~	-65	50.7 ~~46.7~~	8.5	~~Not in CPD~~	✓
890	-65	470	5	26	1.5	-65	52.2	10.0		✓
891	~~-65~~	~~469~~	~~5~~	~~25~~	~~37.0~~	~~-65~~	~~50.7~~	~~8.5~~	Not in CPD	✓
892									Not in CPD	✓
893	-65	473	5	27	28.5	-65	46.7	10.0		✓
894									Not in CPD	✓
895									Not in CPD	✓
896	-66	417	5	28	7.5	-66	13.5	10.0		✓
897									Not in CPD	✓
898									Not in CPD	✓
899	-66	422	5	29	36.5	-66	8.0	9.2		✓
900									Not in CPD	✓

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nt 9972

7. C.

901	4	F8		
902	3	G5		
903	4	G0		
904	1	K2		
905	3	K5		
906	10	Br.		Go
907	1	Cont.	Probably B. Long violet	
908	1	M0		
909	1	K0		
910	2	K0		
911	2	F8		
912	2	F0		
913	5	G0		
914	1	G5		
915	2	K0		
916	1	K2		
917	5	F0		
918	3	M0		
919	5	F8		
920	1	K7		
921	2	K5		
922	1	K7		
923	6	Br.		Go
924	3	M0		
925	2	M0		

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901	-65°	477	5^{h}	29^{m}	29.0^{s}	-65°	$55.8'$	9.8		✓
902									not in CPD	✓
903									not in CPD	✓
904									not in CPD	✓
905									not in CPD	✓
906	−65	475	5	28	22.0	−65	32.7	7.1		✓
907									not in CPD	✓
908									not in CPD	✓
909									not in CPD	✓
910									not in CPD	✓
911									not in CPD	✓
912									not in CPD	✓
913	−65	467	5	24	39.5	−65	37.5	9.3		✓
914									not in CPD	✓
915									not in CPD	✓
916									not in CPD	✓
917	−65	459	5	21	21.0	−65	00.5	9.7		✓
918									not in CPD	✓
919	−65	458	5	21	7.0	−65	13.4	9.7		✓
920									not in CPD	✓
921									not in CPD	✓
922									not in CPD	✓
923	−65	465	5	23	27.5	−65	16.7	8.9		✓
924	−65	466	5	23	44.0	−65	9.1	10.0		✓
925									not in CPD	✓

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M.F 9972

F.C.

926	1	K0	
927	1	G5	
928	2	K7	
929	3	F5	
930	8	Br.	F8
931	3	M0	
932	6	Br.	A0
933	1	K7	
934	2	G5	
935	4	F2	
936	5	G0	
937	1	M0	
938	1	K7	
939	2	K7	
940	1	K5	
941	4	K5	
942	4	F5	
943	4	F0	
944	7	Br.	A2
945	1	K2	
946	3	F8	
947	1	K5	
948	1	K7	
949	1	K5	
950	2	F5	

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926									Not in CPD	✓
927									Not in CPD	✓
928									Not in CPD	✓
929	−64°	444	5^{h}	25^{m}	22.0^{s}	−64°	$37'.5$	10.0		✓
930	−64	447	5	26	9.5	−64	42.2	8.4		✓
931									Not in CPD	✓
932	−65	468	5	25	20.0	−65	5.5	9.1		✓
933									Not in CPD	✓
934									Not in CPD	✓
935	−65	471	5	26	24.0	−65	15.6	10.0		✓
936	−65	472	5	26	30.5	−65	6.9	10.0		✓
937									Not in CPD	✓
938									Not in CPD	✓
939									Not in CPD	✓
940									Not in CPD	✓
941	−64	451	5	28	15.5	−64	33.9	10.0		✓
942	−64	450	5	27	54.5	−64	50.6	9.7		✓
943	−65	474	5	28	17.2	−65	0.5	9.5		✓
944	−65	476	5	28	42.5	−65	5.7	8.1		✓
945									Not in CPD	✓
946	−65	478	5	29	34.2	−65	0.1	10.0		✓
947									Not in CPD	✓
948									Not in CPD	✓
949									Not in CPD	✓
950									Not in CPD	✓

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MF 9972

F.C.

951	3	M0		
952	1	K7		
953	1	K2		
954	4	K0		
955	5	Br.		K
956	8	Br.		G0
956a	1	K0		
957	3	F5		
957a	?	K0		
958	6	Br.		K5
959	1	K0		
960	2	F8		
961	2	K0		
962	7	Br.		A2
963	3	K7		
964	1	F5	omit	
965	4	F5		
966	1	G5		
967	3	G5 ~~A7~~	Wrong star observed? Class certainly wrong. G5 on all plates.—	
968	5	M3		
969	8	Br.		F8
970	2	M0		
971	1	K5		
972	2	F8		
973	1	G5		
974	1	F0		
975	1	K7		

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951	-64°	453	5^h	30^m	29.0^s	-64°	39.5'	9.5		✓
952									Not in CPD	✓
953									Not in CPD	✓
954									Not in CPD	✓
955	-64	457	5	32	50.5	-64	45.0	10.0		✓
956	-65	483	5	32	44.5	-65	6.5	8.2		✓
956a									Not in CPD	✓
957									Not in CPD	✓
957a									Not in CPD	✓
958	-65	480	5	30	41.5	-65	12.9	9.5		✓
~~957a~~										
959									Not in CPD	✓
960									Not in CPD	✓
961									Not in CPD	✓
962	-65	479	5	30	38.5	-65	33.4	8.5		✓
963									Not in CPD	✓
~~964~~									~~Not in CPD~~	
965	-65	481	5	31	29.0	-65	55.5	10.0		✓
966									Not in CPD	✓
967									Not in CPD	✓
968	-65	482	5	32	18.5	-65	54.5	10.0		✓
969	-66	431	5	32	57.8	-66	1.6	8.2		✓
970									Not in CPD	✓
971									Not in CPD	✓
972									Not in CPD	✓
973									Not in CPD	✓
974									Not in CPD	✓
975									Not in CPD	✓

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MF 9972

7.C.

976	2	F5	
977	1	K0	
978	1	K7	
979	4	G0	
980	7	Br.	A0
981	5	G5	
982	5	K0	
983	4	K7	
984	1	F8	
985	1	K5	
986	3	F8	
987	3	A5	
988	4	G0	
989	2	F8	
990	2	Cont.	Class uncertain Long violet
991	1	Cont.	" " "
992	2	K7	
993	1	F8	
994	1	A7 ~~Cont.~~	See MF 9967
995	3	Cont.	Probably B
996	5	A5	
997	3	G0	
998	3	A3. ~~Cont.~~	See MF 9967
999	1	Cont.	B See "
999a	1	P	Gas neb. nearly or quite hiding 999 5007+Hβ seen on A 15031
1000	3	Cont.	B " "

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976									not in CPD ✓
977									not in CPD ✓
978									not in CPD ✓
979	-64°	460	5h	35m	44.0s	-64°	50.7'	10.0	✓
980	-64	461	5	35	54.5	-64	51.0	8.8	✓
981	-65	485	5	35	28.7	-65	2.2	9.5	✓
982	-65	487	5	36	9.0	-65	3.5	9.2	✓
983	-65	486	5	35	57.0	-65	14.9	9.8	✓
984									not in CPD ✓
985									not in CPD ✓
986									not in CPD ✓
987									not in CPD ✓
988	-65	484	5	34	27.0	-65	56.9	9.7	✓
989									not in CPD ✓
990									not in CPD ✓
991									not in CPD ✓
992									not in CPD ✓
993									not in CPD ✓
994									not in CPD ✓
995	-66	432	5	34	3.0	-66	56.0	10.0	~~not in CPD~~
996	-66	433	5	34	49.3	-66	58.8	8.9	✓
997	-66	434	5	35	2.0	-66	58.5	9.5	✓
998	-67	471	5	$3\overset{5}{6}$	$\overset{9}{8}.5$	-67	~~8.4~~ 6.0	~~10.0~~ 9.5	✓
999									not in CPD ✓
1000	-67	477	5	36	8.5	-67	8.4	10.0	✓

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MF 9972

F.C.

1001	4	A	Very hazy. Cluster. Strong Hydrogen.
1002	3	F8	
1003	4	F8	
1004	4	G0	
1005	2	G5	
1006	2	K0	
1007	3	K2	
1008	3	F8	
1009	2	F2	
1010	1	G5	
1011	3	G0	
1012	7	Br.	Ma
1013	2	Cont.	B Long violet end.
1014	x1	K0	
1015	1	P	Gas. Neb.
1016	x2	G5	
1017	4	A3	
1018	1	F0	
1019	1	K5	
1020	1	K7	
1021	2	K7	
1022	1	G0	
1023	3	K5	
1024	3	M0	
1025	1	F	

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1001	−67°	481	5^h	36^m	36.5^s	−67°	3.9	neb.		✓
1002									Not in CPD	✓
1003	−66	435	5^h	35	47.5	−66	52.2	10.0		✓
1004	−66	438	5	36	20.5	−66	45.0	9.8		✓
1005									Not in CPD	✓
1006									Not in CPD	✓
1007	−66	440	5	37	6.0	−66	52.0	10.0		✓
1008									Not in CPD	✓
1009									Not in CPD	✓
1010									Not in CPD	✓
1011									Not in CPD	✓
1012	−66	437	5	36	17.5	−66	21.8	9.3		✓
1013									Not in CPD	✓
1014									Not in CPD	✓
1015									Not in CPD	✓
1016									Not in CPD	✓
1017	−66	436	5	36	1.0	−66	2.0	10.0		✓
1018									Not in CPD	✓
1019									Not in CPD	✓
1020									Not in CPD	✓
1021									Not in CPD	✓
1022									Not in CPD	✓
1023									Not in CPD	✓
1024									Not in CPD	✓
1025									Not in CPD	✓

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F.C.

1026	1	Cont.	Very ft. Class uncertain.	
1027	1	K7		
1028	1	F5		
1029	2	G5		
1030	1	K7		
1031	2	G5		
1032	8	Br.		A2
1033	1	K7		
1034	2	K7		
1035	2	F5		
1036	3	F2		
1037	2	G0		
1038	7	Br.		A0
1039	2	F2		
1040	1	M0		
1041	3	K7		
1042	1	G0		
1043	1	K5		
1044	7	Br.		G0
1045	1	G0		
1046	6	Br.		A0
1047	5	F5		
1048	5	G0		
1049	1	K5		
1050	2	K0		

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1026									Not in CPD	✓
1027									Not in CPD	✓
1028									Not in CPD	✓
1029									Not in CPD	✓
1030									Not in CPD	✓
1031									Not in CPD	✓
			h	m	s		'			
1032	-66°	446	5	41	50.0	-66°	8.8	8.8		✓
1033									Not in CPD	✓
1034									Not in CPD	✓
1035									Not in CPD	✓
1036	-66	447	5	42	42.5	-66	8.1	10.1		✓
1037									Not in CPD	✓
1038	-65	493	5	43	7.0	-65	46.8	8.8		✓
1039									Not in CPD	✓
1040									Not in CPD	✓
1041									Not in CPD	✓
1042									Not in CPD	✓
1043									Not in CPD	✓
1044	-65	491	5	41	5.2	-65	30.2	9.0		✓
1045									Not in CPD	✓
1046	-65	490	5	39	19.5	-65	27.3	9.0		✓
1047	-65	489	5	38	47.8	-65	19.2	9.4		✓
1048	-65	488	5	38	15.5	-65	29.8	9.4		✓
1049									Not in CPD	✓
1050									Not in CPD	✓

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F. C.

1051	1	F8	
1052	1	F8	
1053	3	K7	
1054	7	Bu.	A2
1055	1	K5	
1056	3	G0.	
1057	2	F0	
1058	2	G0	
1059	4	K5	
1060	1	F5	
1061	5	G0	
1062	7	Bu.	K0
1063	1	K5	
1064	3	K2	
1065	1	G5	
1066	1	G0	
1067	4	K0	
1068	1	G	
1069	5	G0	
1070	1	K0	
1071	6	Bu.	G0
1072	2	G0	
1073	5	G0	
1074	4	G0	
1075	5	F5	

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1051									not in CPD	✓
1052									not in CPD	✓
1053	-64°	463	5h	37m	24.0s	-64°	55′.2	10.0		✓
1054	-64	464	5	37	33.0	-64	58.6	8.7		✓
1055									not in CPD	✓
1056									not in CPD	✓
1057									not in CPD	✓
1058									not in CPD	✓
1059	-64	467	5	38	47.2	-64	51.4	9.6		✓
1060									not in CPD	✓
1061	-64	470	5	40	3.0	-64	55.2	9.3		✓
1062	-65	492	5	42	11.5	-65	11.1	8.9		✓
1063									not in CPD	✓
1064									not in CPD	✓
1065									not in CPD	✓
1066									not in CPD	✓
1067	-64	474	5	42	52.0	-64	46.0	9.7		✓
1068									not in CPD	✓
1069	-64	476	5	44	7.0	-64	48.6	9.4		✓
1070									not in CPD	✓
1071	-65	495	5	43	44.5	-65	9.1	9.0		✓
1072	-65	499	5	45	10.5	-65	6.3	9.6		✓
1073	-65	500	5	45	15.5	-65	10.8	9.3		✓
1074	-65	497	5	44	41.0	-65	21.7	9.4		✓
1075	-65	498	5	44	43.5	-65	33.0	9.3		✓

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F.C.

1076	7	A3	
1077	1	K5	
1078	3	F8	
1079	3	G5	
1080	2	F5	
1081	2	G0	
1082	2	F8	
1083	2	K0	
1084	5	K0	
1085	5	F0	
1086	7	Br.	K0
1087	4	F0	
1088	2	K0	
1089	1	F8	
1090	1	K0	
1090a	1	0	See 189:56
1091	1	G0	
1091a	1	K2	
1092	1	G0	
1093	1	K7	
1094	2	Cont.	
1095	8	Br.	A0
1096	3	G0	
1097	5	G0	
1098	2	K0	
1099	2	K0	
1100	4	G0	

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1076	-65°	494	5h	43m	40.0s	-65°	32.3'	8.9		✓
1077									Not in CPD	✓
1078	-66	454	5	46	3.5	-66	0.0	9.6		✓
1079									Not in CPD	✓
1080	-66	450	5	43	28.5	-66	12.1	10.1		✓
1081	-66	452	5	45	5.0	-66	32.0	10.0		✓
1082	-66	453	5	46	2.5	-66	25.0	9.9		✓
1083									Not in CPD	✓
1084	-66	455	5	47	16.5	-66	44.1	9.3		✓
1085	-66	456	5	47	58.5	-66	42.1	8.9		✓
1086	-66	457	5	48	21.5	-66	39.9	8.7		✓
1087	-66	458	5	48	25.0	-66	35.5	9.4		✓
1088									Not in CPD	✓
1089									Not in CPD	✓
1090									Not in CPD	✓
~~1091a~~									~~Not~~	
1091									Not in CPD	✓
1091a									Not in CPD	✓
1092									Not in CPD	✓
1093									Not in CPD	✓
1094									Not in CPD	✓
1095	-67	516	5	50	31.0	-67	5.1	8.4		✓
1096	-66	464	5	50	14.0	-66	56.1	9.7		✓
1097	-67	5~~20~~19	5	51	50.0	-67	5.8	9.3		✓
1098									Not in CPD	✓
1099									Not in CPD	✓
1100	-67	520	5	52	17.5	-67	6.1	9.4		✓

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F.C.

1101	4	K7	
1102	1	K5	
1103	1	G5	
1104	4	G0	
1105	1	G0	
1106	1	K0	
1107	2	K7	
1108	1	F	
1109	4	G0	
1110	2	K0	
1111	4	G5	
1112	3	K0	
1113	7	A3	
1114	5	F8	
1115	2	M0	
1116	3	F8	
1117	5	A3	
1118	4	F2	
1119	1	G5	
1120	2	F2	
1121	1	F8	
1122	1	F5	
1123	7	Bu.	F8
1124	5	G5	
1125	1	K7	

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1101	-67°	525	5^h	53^m	13.0^s	-67°	$17.1'$	9.6	✓
1102									Not in CPD ✓
1103									Not in CPD ✓
1104	-67°	522	5	52	53.5	−67	1.0	9.6	✓
1105	~~−66~~	~~475~~	~~5~~	~~54~~	~~31.0~~	~~−66~~	~~57.2~~	~~10.1~~	Not in CPD
1106									Not in CPD ✓
1107									Not in CPD ✓
1108									Not in CPD ✓
1109	−66	469	5	51	7.5	−66	44.8	9.6	✓
1110	~~−6~~								Not in CPD ✓
1111	−66	466	5	50	29.0	−66	34.8	9.4	✓
1112	−66	465	5	50	22.0	−66	37.8	9.6	✓
1113	−66	461	5	49	58.5	−66	30.1	8.9	✓
1114	−66	462	5	50	0.5	−66	19.5	9.4	✓
1115	−66	467	5	50	39.0	−66	24.3	9.9	✓
1116	−66	468	5	50	59.0	−66	24.8	9.4	✓
1117	−66	4~~5~~ 60	5	49	43.5	−66	4.9	9.2	✓
1118	−66	459	5	48	53.5	−66	15.9	9.6	✓
1119									Not in CPD ✓
1120									Not in CPD ✓
1121									Not in CPD ✓
1122									Not in CPD ✓
1123	−65	501	5	46	21.5	−65	31.8	9.0	✓
1124	−65	502	5	46	43.0	−65	29.9	9.4	✓
1125									Not in CPD ✓

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F.C.

1126	4	F5	
1127	3.	G0	
1128	8	Bu	K0
1129	5	G5	
1130	2	K2	
1131	2	K0	
1132	1	K5	
1133	1.	M0	
1134	1	K7	
1135	8	Bu.	G0
1136	4	K7	
1137	2	G0	
1138	1	K5	
1139	2	G0	
1140	2	K0	
1141	1	K7	
1142	2	G5	
1143	1	M0	
1144	9	Bu.	A0
1145	2	F0	
1146	2	A7	
1147	5	G0	
1148	2	K2	
1149	3	F0	
1150	3	G0	

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1126	-65°	505	5^h	48^m	33.5^s	-65°	54'.0	9.6		✓
1127	-65	506	5	48	37.0	-65	54.5	10.0		✓
1128	-65	504	5	48	11.5	-65	12.2	8.6		✓
1129	-65	503	5	47	44.5	-65	4.5	9.4		✓
1130									Not in CPD	
1131									Not in CPD	✓
1132									Not in CPD	✓
1133									Not in CPD	✓
1134									Not in CPD	✓
1135	-64	477	5	46	33.5	-64	48.1	8.8		✓
1136	-64	479	5	46	52.0	-64	36.9	9.4		✓
1137	-64	480	5	47	22.0	-64	39.6	10.0		✓
1138									Not in CPD	✓
1139									Not in CPD	✓
1140									Not in CPD	✓
1141									Not in CPD	✓
1142									Not in CPD	✓
1143									Not in CPD	✓
1144	-65	507	5	50	17.0	-65	17.3	9.9		✓
1145	-65	510	5	50	45.5	-65	30.8	10.0		✓
1146	-65	513	5	51	32.5	-65	32.6	10.1		✓
1147	-65	514	5	51	51.0	-65	35.9	9.0		✓
1148									Not in CPD	✓
1149	-65	511	5	50	52.5	-65	52.3	9.6		✓
1150	-65	512	5	50	57.0	-65	57.0	9.6		✓

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F.C.

1151	1	F8
1152	1	F5
1153	1	F8
1154	3	G0
1155	3	G0
1156	1	K7
1157	4	G5
1158	2	K2
1159	6	G0
1160	3	F8
1161	1	K2
1162	2	G5
1163	2	K2
1164	2	F5
1165	2	F2
1166	5	G5
1167	5	K0
1168	1	K5
1169	3	G5
1170	4	K0
1171	3	F5
1172	2	K7
1173	1	K0
1174	2	G0
1175	2	G5

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1151									not in CPD ✓
1152									not in CPD ✓
1153									not in CPD ✓
1154	-66°	~~5~~470	5h	51m	29.5s	-66°	15.3'	9.7	
1155	-66	~~5~~471	5	51	54.5	-66	16.1	9.6	
1156									not in CPD ✓
1157	-66	~~5~~472	5	52	17.5	-66	39.1	9.4	
1158									not in CPD ✓
1159	-66	~~5~~473	5	53	21.0	-66	25.1	9.1	
1160	-66	~~5~~474	5	53	21.0	-66	16.9	10.0	✓
1161									not in CPD ✓
1162									not in CPD ✓
1163									not in CPD ✓
1164									not in CPD ✓
1165									not in CPD ✓
1166	-65	517	5	52	55.5	-65	35.2	9.3	✓
1167	-65	518	5	52	56.5	-65	24.6	9.4	✓
1168									not in CPD ✓
1169	-65	519	5	54	7.5	-65	19.7	9.7	✓
1170	-65	516	5	52	25.0	-65	12.7	9.3	✓
1171	-65	515	5	51	58.5	-65	16.9	9.9	✓
1172									not in CPD ✓
1173									not in CPD ✓
1174									not. in CPD ✓
1175	-65	509	5	50	34.5	-65	2.0	10.0	✓

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F.C.

1176	4	G5	
1177	2	F5	
1178	5	A0	
1179	4	G5	
1180	2	K2	
1181	3	K0	
1182	7	G0	
1183	2	K7	
1184	1	G5	
1185	1	K0	
1186	4	G5	
1187	1	K2	
1188	4	A7	
1189	1	K0	
1190	2	K0	
1191	7	G0	
1192	7	G5	
1193	1	K0	
1194	3	K0	
1195	2	K7	
1196	3	F2	
1197	3	F0	
1198	8	Br.	G0
1199	10	Br.	A0
1200	7	Br.	K0

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1176	-64°	485	5^{h}	50^{m}	30.2^{s}	-64°	$57.8'$	9.9		✓
1177	-65	508	5	50	29.5	-65	11.2	10.0		✓
1178	-64	487	5	51	3.0	-64	42.4	9.4		✓
1179	-64	489	5	51	35.0	-64	42.5	9.4		✓
1180	-64	490	5	51	46.5	-64	27.8	10.1		✓
1181	-64	492	5	52	8.0	-64	53.0	9.6		✓
1182	-64	493	5	52	54.0	-64	41.4	8.9		✓
1183	-64	497	5	53	57.0	-64	39.3	10.0		✓
1184									not in CPD	✓
1185									not in CPD	✓
1186	-65	520	5	54	28.0	-65	9.0	9.6		✓
1187									not in CPD	✓
1188	-65	525	5	55	47.0	-65	1.5	9.1		✓
1189									not in CPD	✓
1190									not in CPD	✓
1191	-65	526	5	57	0.5	-65	17.7	9.0		✓
1192	-65	528	5	57	32.5	-65	23.8	8.9		✓
1193									not in CPD	✓
1194	-65	527	5	57	0.5	-65	40.0	10.1		✓
1195									not in CPD	✓
1196	-6~~4~~5	~~485~~ 521	5	~~50~~ 54	~~30.2~~ 34.5	-6~~4~~5	~~57.8~~ 56.0	9.9^{6}		✓
1197	-65	522	5	54	43.0	-65	58.0	9.4		✓
1198	-65	524	5	54	48.5	-65	58.6	8.5		✓
1199	-65	523	5	54	46.0	-65	54.0	7.8		✓
1200	-66	~~5~~4 78	5	56	51.0	-66	18.9	8.9		✓

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MF 9972

F.C.

1201	6	Br.	G5
1202	1.	K7	
1203	1	K7	
1204	2	K0	
1205	3	G0	
1206	4	G0	
1207	2	G0	
1208	3.	G0	
1209	1	F8	
1210	3	F5	
1211	1	G5	
1212	7	Br.	G0
1213	5	F8	
1214	1	K5	
1215	3	K5	
1216	3	G5	
1217	2	G0	
1218	2	A0	
1219	1	K2	
1220	1	G0	
1221	4	A2	
1222	1	M0	
1223	8 1	F5	
1224	1	F8	
1225	6	G0	

B 15008 May 15, 1931

1201	-66°	476	5h	54m	42.0s	-66°	30.1'	9.1		✓
1202									Not in CPD	✓
1203									Not in CPD	✓
1204									Not in CPD	✓
1205	-66	477	5	56	21.0	-66	34.5	10.0		✓
1206	-66	479	5	56	51.0	-66	39.5	9.4		✓
1207									Not in CPD	✓
1208	-66	485	5	58	19.0	-66	41.1	9.9		✓
1209									Not in CPD	✓
1210	-66	48~~5~~6	5	59	44.5	-66	36.2	9.9		✓
1211									Not in CPD	✓
1212	-66	487	~~5~~ 6	0	13.0	-66	13.3	9.0		✓
1213	-66	484	5	58	10.5	-66	20.5	9.1		✓
1214	-66	482	5	57	50.5	-66	16.0	10.1		✓
1215	-66	481	5	57	44.0	-66	12.1	9.7		✓
1216	-66	480	5	57	37.5	-66	9.9	9.7		✓
1217	-66	483	5	58	0.0	-66	9.3	10.1		✓
1218									Not in CPD	✓
1219									Not in CPD	✓
1220									Not in CPD	✓
1221	-66	488	6	0	33.0	-66	3.1	9.4		✓
1222									Not in CPD	✓
1223									Not in CPD	✓
1224									Not in CPD	✓
1225	-65	539	6	2	28.0	-65	48.9	9.1		✓

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MF 9972

F.C.

1226	4	A3	
1227	4	G0	
1228	3	G5	
1229	2	M0	
1230	5	K0	
1231	3	F8	
1232	7	Br.	F0
1233	5	K5	
1234	3	K5	
1235	2	K2	
1236	2	K5	
1237	5	A3	
1238	1	K0	
1239	4	M0	
1240	2	F8	
1241	3	G0	
1242	1	A7	
1243	1	G5	
1244	1	G0	
1245	2	G0	
1246	2	F5	
1247	2	K2	
1248	3	G0	
1249	3	K5	
1250	4	G0	

B 15008 May 15, 1931

1226	-65°	540	6h	2m	38.5s	-65°	53.1'	9.4		✓
1227	-65	541	6	2	44.5	-65	46.1	9.4		✓
1228	-65	538	6	2	16.5	-65	39.6	9.7		✓
1229									Not in CPD	✓
1230	-65	544	6	3	52.0	-65	34.8	9.3		✓
1231	-65	545	6	4	40.0	-65	41.1	10.1		✓
1232	-65	546	6	4	58.0	-65	50.1	8.7		✓
1233	-65	547	6	5	11.0	-65	51.3	9.4		✓
1234	-65	548	6	5	16.0	-65	43.3	10.0		✓
1235									Not in CPD	✓
1236									Not in CPD	✓
1237	-65	551	6	5	58.0	-65	31.9	9.1		✓
1238	~~-65~~	~~553~~	~~6~~	~~7~~	~~29.5~~	~~-65~~	~~15.3~~	~~8.8~~	Not in CPD	✓
1239	-65	552	6	6	37.5	-65	47.2	9.7		✓
1240	-65	550	6	5	44.5	-65	53.2	10.1		✓
1241	-66	494	6	6	19.0	-66	4.0	9.7		✓
1242									Not in CPD	✓
1243									Not in CPD	✓
1244									Not in CPD	✓
1245									Not in CPD	✓
1246									Not in CPD	✓
1247									Not in CPD	✓
1248	-66	496	6	8	3.5	-66	42.5	9.9		✓
1249									Not in CPD	✓
1250	-66	497	6	8	21.0	-66	17.2	9.8		✓

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M.F. 9972

F.C.

1251	5	Go		
1252	4	Fo		
1253	2	K2		
1254	4	Fo		
1255	1	Go		
1256	3	G5		
1257	2	Mo		
1258	8	Ao		
1259	8	Br.		Fo
1260	1	K5		
1261	1	K5		
1262	2	G5	Omit. 2 stars on same R.A.	
1263	4	Ko		
1264	3	F2		
1265	7	G5		
1266	8	Br.		A3
1267	3	K7		
1268	3	K5		
1269	1	K5		
1270	1	F8		
1271	3	F8		
1272	1	K7		
1273	3	G5		
1274	3	K7		
1275	7	Br.		Ao

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1251	-66°	498	6^h	10^m	3.0^s	-66°	30.5′	9.1		✓
1252	-66	500 ~~4[illegible]~~	6	11	26.5	-66	55.0	9.1		✓
1253									Not in CPD	✓
1254	-65	554	6	7	51.0	-65	59.9	9.4		✓
1255									Not in CPD	✓
1256									Not in CPD	✓
1257	-65	556	6	9	7.0	-65	39.1	9.6		✓
1258	-65	553	6	7	29.5	-65	15.3	8.8		✓
1259	-65	549	6	5	38.0	-65	17.4	8.5		✓
1260									Not in CPD	✓
1261									Not in CPD	✓
~~1262~~										
1263	-64	514	6	2	39.0	-64	55.8	9.8		✓
1264	-65	543	6	3	29.5	-65	24.1	10.0		✓
1265	-65	542	6	2	48.0	-65	15.0	9.1		✓
1266	-65	536	6	1	47.0	-65	20.2	8.5		✓
1267	-65	537	6	1	47.0	-65	8.5	9.7		✓
1268	-65	53~~7~~5	6	1	41.5 ~~47.0~~	-65	9.1 ~~8.5~~	10.0 ~~9.7~~		✓
1269	~~-65~~	~~535~~	~~6~~	~~1~~	~~41.5~~	~~-65~~	~~9.1~~	~~10.0~~	Not in CPD	✓
1270									Not in CPD	✓
1271	-65	534	6 ~~5~~	1	19.0	-65	29.7	10.1		✓
1272									Not in CPD	✓
1273	-65	533	5	59	55.5	-65	15.0	10.1		✓
1274	-65	532	5	59	23.5	-65	25.1	9.6		✓
1275	-65	531	5	59	21.5	-65	26.9	8.5		✓

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M.F. 9972

F.C.

A2

1276	7		Br
1277	2		K5
1278	2		F8
1279	4		A7
1280	3		K0
1280a	2	F5	
1281	4		F2
1282	1		K7
1283	1		K7
1283a	2	K2	
1284	3		K2
1284a		F8	
1285	7		Br.
1285a		F2	
1286	1		K0
1286a		G5	
1287	5		K5
1288	1		K7
1289	3		K0.
1290	2		M0
1291	1		K7
1292	1		K7
1293	2		K5
1294	2		K0
1295	4		K0
1295a	2	F0	
1296	3		G5
1297	1		K0
1298	2		A2
1299	3		K5
1300	1		K2

Cont. on pg. 58

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1276	-65°	530	5h	59m	~~23.7~~ 0.02s	-65°	23.7'	9.0		
1277	-65	529	5h	58m	54.0s	-65°	16.2	10.0		✓
1278									not in CPD	✓
1279	-64	502	5	57	38.7	-64	57.9	9.4		✓
1280									not in CPD	✓
1280a	-64	499	5	56.2	~~-64~~	-64	14	10.1		
1281	-64	505	5	58	19.0	-64	44.0	9.6		✓
1282									not in CPD	✓
1283									not in CPD	✓
1283a	-64°	498	5	55.8		-64	13	10.0		
1284	-64	504	5	57	57.5	-64	33.6	10.0		✓
1284a	-64°	500	5	57.4		-64	18	9.6		
1285	-64	507	5	58	23.5	-64	23.0	9.1		✓
1285a	-64°	506	5	58.4		-64	13	9.3		
1286									not in CPD	✓
1286a	-64°	501	5	57.6		-64	7	9.9		
1287	-64	508	5	58	55.0	-64	28.3	9.4		✓
1288									not in CPD	✓
1289	-64	509	5	59	12.5	-64	27.3	9.9		✓
1290									not in CPD	✓
1291									not in CPD	✓
1292									not in CPD	✓
1293									not in CPD	✓
1294									not in CPD	✓
1295	-64	518	6	6	41.0	-64	32.3	9.6		✓
1295a	-64	517	6	6.7		-64	24	10.0		
1296									not in CPD	✓
1297									not in CPD	✓
1298									not in CPD	✓
1299	-64	515	6	6	20.5	-64	53.9	10.0		✓
1300									not in CPD	✓

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Cont. Bh 184, 216

F.C.

1201	5	A0
1202	2	K7
1203	1	K0
1204	4	B9
1205	3	A2
1206	1	A0
1207	3	F5
1208	5	A3
1209	1	A2
1210	2	G5
1211	6	K0
1212	1	A
1213	7	F0
1214	2	A5
1215	4	A0
1216	2	K0
1217	2	A2
1218	1	A
1219	3	A0
1220	3	A7
1221	1	G
1222	3	A0
1223	5	A2
1224	1	G
1225	6	B9

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1201	+29°	3864	19^h	56.5	+29°	44'	9.0	✓
1202	+29	3865	19	56.6	+29	40	9.1	✓
1203	+29	3868	19	56.8	+29	34	9.5	✓
1204								Not in ~~ct~~ Dm ✓
1205								Not in Dm. ✓
1206								Not in Dm. ✓
1207	+29	3869	19	57.2	+29	50	9.5	✓
1208	+29	3870	19	57.2	+29	37	9.2	✓
1209								Not in Dm. ✓
1210								Not in Dm. ✓
1211	+29	3871	19	57.6	+29	33	8.5	✓
1212								Not in Dm. ✓
1213	+29	3875	19	58.0	+29	38	8.3	✓
1214								Not in Dm. ✓
1215	+29	3876	19	58.3	+29	46	9.1	✓
1216								Not in Dm. ✓
1217								Not in Dm. ✓
1218								Not in Dm. ✓
1219								Not in Dm. ✓
1220								Not in Dm. ✓
1221								Not in Dm. ✓
1222	+29	3883	19	58.9	+29	35	9.5	✓
1223	+29	3884	19	58.9	+29	41	9.3	✓
1224								Not in Dm. ✓
1225	+29	3882	19	58.8	+29	51	9.0	✓

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F.C.

1226	3	K2
1227	2	K0
1228	2	F8
1229	5	G0
1230	1	F5
1231	3	A7
1232	1	G5
1233	2	K2
1234	2	G0
1235	3	A3
1236	4	K0
1237	3	A5
1238	3	G5
1239	2	A0
1240	4	G0
1241	5	B8
1242	4	K0
1243	3	A2
1244	1	A
1245	4	A5
1246	2	G5
1247	3	B9
1248	2	F8
1249	3	A5
1250	6	B8

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			h	m	°	'		
1226	+30°	3880	19	58.9	+30	0	9.2	✓
1227	~~+30~~	~~3881~~	~~19~~	~~59.0~~	~~+30~~	~~6~~	~~8.0~~	~~Not~~ [illegible] ✓
1228								Not in ~~CP~~ DM
1229	+30	3876	19	58.~~6~~ 7	+30	5	9.6	
1230	+30	3869	19	58.1	+30	6	9.5	✓
1231								Not in Dm. ✓
1232								Not in Dm. ✓
1233	+30	3866	19	57.8	+30	5	9.4	✓
1234								Not in Dm. ✓
1235								Not in Dm. ✓
1236	+30	3865	19	57.8	+30	14	9.4	✓
1237								Not in Dm. ✓
1238	+30	3868	19	58.0	+30	23	9.4	✓
1239								Not in Dm. ✓
1240								Not in Dm. ✓
1241	+30	3870	19	58.1	+30	48	9.1	✓
1242	+30	3872	19	58.4	+~~2~~ 30	45	9.3	✓
1243								Not in Dm. ✓
1244								Not in Dm. ✓
1245	+30	3873	19	58.4	+30	24	9.4	✓
1246								Not in Dm. ✓
1247								Not in Dm. ✓
1248	+30	3877	19	58.8	+30	20	9.4	✓
1249	+30	3879	19	58.9	+30	25	9.5	✓
1250	+30	3878	19	58.9	+30	19	8.4	✓

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F.C.

1251	3	A2	
1252	2	A2	
1253	2	B9	
1254	1	K5	
1255	3	K2	
1256			
1257	1	K5	
1258	4	B9	
1259	2	G0	
1260	4	B8	
1261	2	A0	
1262	3	A0	
1263	3	A3	
1264	3	K5	
1265	4	A0	
1266	5	A2	
1267	3	K0	
1268	3	K2	
1269	2	F8	
1270	2	F0	
1271	3	F2	
1272	3	B9	
1273	5	G0	
1274	2	G0	
1275	4	A0 ~~B5~~	Ms. changed

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1251								not in Dm. ✓
1252								not in Dm. ✓
1253								not in Dm. ✓
1254	+30°	3882	~~20~~ 19h	59.3m	+30°	16'	9.5	✓
1255	+30	3883	~~20~~ 19	59.4	+30	26	9.5	~~not~~ ✓
1256								not in Dm. ✓
1257								~~not~~ not in Dm. ✓
1258	+30	3884	19	59.8	+30	34	9.4	✓
1259								not in Dm. ✓
1260	+30	3890	20	0.2	+30	29	9.0	✓
1261								not in Dm. ✓
1262								not in Dm. ✓
1263								not in Dm. ✓
1264	+30	3889	20	0.2	+30	55	9.4	✓
1265	+30	3885	20	0.1	+30	58	9.5	✓
1266								not in Dm. ✓
1267	+31	3937	20	0.4	+31	5	9.5	✓
1268	+30	3892	20	0.6	+30	58	9.5	✓
1269								not in Dm. ✓
1270	+30	3893	20	0.8	+30	38	9.5	✓
1271	+30	389~~5~~6	20	0.9	+30	39	9.5	✓
1272	+30	3897	20	1.0	+30	41	9.5	✓
1273	+30	3900	20	1.1	+30	50	8.7	✓
1274								not in Dm. ✓
1275	+30	3898	20	1.0	+30	56	9.2	✓

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M7 8037

F.C.

wrong plate recorded

1276	4	G5
1277	2	A0
1278	1	G5
1279	3	A0
1280	5	A2
~~1280a~~	~~2~~	~~F5~~
1281	3	F5
1282	5	K0
1283	1	F8
~~1283a~~	~~2~~	~~K2~~
1284	2	F5
~~1284a~~		~~F8~~
1285	1	F0
~~1286a~~		~~F2~~
1286	2	A3
~~1286a~~		~~G5~~
1287	6	A2
1288	5	A0
1289	3	A0
1290	2	F8
1291	6	K0
1292	4	A0
1293	2	F5
1294	4	G0
1295	4	A3
~~1295a~~	~~2~~	~~F0~~
1296	2	G5
1297	2	A2
1298	4	A0
1299	1	K2
1300	2	K5

cont. ~~on p. 102~~ Book, 91, 2

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1276	+30°	3899	20h	1.1	+30°	34'	9.3	✓
1277								Not in Dm. ✓
1278								Not in Dm. ✓
1279	+30	3902	20	1.8	+30	51	9.5	✓
1280	+30	3903	20	1.9	+30	53	9.0	✓
1280a								
1281	+30	3905	20	2.1	+30	34	9.5	✓
1282	+30	3901	20	1.5	+30	35	8.9	✓
1283								Not in Dm. ✓
1283a								
1284								Not in Dm. ✓
1284a								
1285								Not in Dm. ✓
1285a								
1286								Not in Dm. ✓
1286a								
1287	+30	3894	20	0.8	+30	5	9.1	✓
1288	+30	3891	20	0.6	+30	12	9.2	✓
1289								Not in Dm. ✓
1290								Not in Dm. ✓
1291	+30	3888	20	0.2	+30	2	8.9	✓
1292	+30	3886	20	0.1	+30	8	9.5	✓
1293	+29	3886	19	59.3	+29	57	9.4	✓
1294	+29	3894	20	0.3	+29	32	9.5	✓
1295	+29	3895	20	0.7	+29	35	9.5	✓
1295a								
1296	+29	3896	20	1.1	+29	43	9.5	✓
1297								Not in Dm. ✓
1298	+29	3902	20	1.8	+29	44	9.4	✓
1299	+29	3903	20	2.0	+29	48	9.5	✓
1300								Not in Dm. ✓

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Cont. from pg. 48

F.C.

1301	2	K5
1302	1	K5
1303	3	K2
1304	1	K7
1305	1	K2
1306	3	K0
1307	3	K2
1308	4	K2
1309	1	K5
1310	2	K7
1311	3	K7
1312	1	K0
1313	2	K5
1314	3	K7
1315	5	Br.
1316	7	Br.

G5

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1301									Not in CPD	✓
1302									Not in CPD	✓
1303	-64	373	4	48	54.0	-64	54.1	9.6		✓
1304									Not in CPD	✓
1305									Not in CPD	✓
1306									Not in CPD	✓
1307									Not in CPD	✓
1308	-64	382	4	53	55.5	-64	54.3	9.8		✓
1309									Not in CPD	✓
1310									Not in CPD	✓
1311	-64	383	4	54	0.0	-64	41.1	9.9		✓
1312									Not in CPD	✓
1313									Not in CPD	✓
1314	-64	378	4	52	42.0	-64	24.0	9.9		✓
1315	-64	379	4	52	47.0	-64	21.1	9.3		✓
1316	-64	371	4	48	1.5	-64	36.1	8.7		✓

October 1, 1931

Search for sp. of clusters in the Large Cloud.
Nos. from Miss [illegible] chart in blue ink

N.G.C. — 5th star

1 — [17.0
2 — Too faint [17.0
3 — [17.0
✓ 4 Too ft. — N.G.C. 1697. Marked on A 3428
5
6. 1704 — Just able on A 4112 ~~+ MF plate~~ On 10064 a blurry image [illegible] in [illegible] field
✓ 7 1712 Open cluster. Stars too ft. — Too diffuse and ft. Star 1675 Class F2 but a foreground star probably outside star.
8 1727 Traces of dark lines in the large sp. of this cluster — Dark lines seen in 3 stars but too ft. to classify
9 — No trace
10 — " "
11 ~~K5~~ — This sp. from adjacent star. The cluster is too ft. a [illegible] n.s. on chart ~~K5 [illegible] on A 4112, [illegible] cluster [illegible]~~
1 on 9967 1124a ✓ 12 F? – F5 — Dark lines clearly seen on MF 9972, 10064
H + K well marked on 10064 + 9972 ✓
Sel. p. 97 13 1763 B, B, B, ? — Large cluster
1116a 14 ~~F?~~ A — Too ft. on second exam. Dark lines probably due to class A? ~~Only seen clearly on 10064, where they Hε, Hζ are seen~~ ~~Dark lines seen, whole sp. indistinct~~
1152a 15 1766 A – F? — Dark lines seen, Hγ + Hδ seen. Violet end confused by sp. of a star at North
1115a 16 ✓ Generally effect of class G? H G? — Wide cont. sp. seen! Lines not clearly seen
17 Star near cl. F5 but ~~probably~~ certainly no. 610 not in cluster. Cluster too diffuse ft
~~1242~~ 18 Too ft.
1247 19 1772 G? — class. Cont. An exam. of all the best plates shows only the vaguest dark lines. H + K n.s. distinctly. Another star at N.
20 1770 1128a B?, 1129a B?, 1131a P, 1130a O — An open cluster. One Class O and one Class P have been classified. The two brightest stars in this cluster appear to be of Class B, that is, the sp. are continuous and resemble others of Class B,
1130a = [illegible] O. for brightest of 2 stars

Galactic Clusters in Large Cl. (Cont.)

21. Too ft.

22 " "

23 " "

24 " "

25 " "

26 " "

27 A large globular mass on chart plates but
F15 ~~C-F.~~ nothing but a very ft. blur seen on any sp. plate
1246 a Probably a fl. cluster. On 9972 F8? second exam

28 Too ft.

29 " "

30 " "

31 a condensed image on chart plates
No sp. seen on A plates. On MF 10064, just
1267a a hazy blur.

Clusters in Large Cloud (cont.)

✓ 135am 9972 32 ~~A~~ Cluster-like on A 8864, from wh. Chart VI was made

9.9 1810 F (better 9967) Strongly dispers. $H\gamma$, $H\delta$, $H\epsilon$ seen on 9967

33 Too faint, chart plates show an existing ft. cluster near 2 stars

133m 9972 34 A Very hazy sp. Hyd. seen best on 10064.

35 — A blurry image seen corresponding to the central globular mass and a few dark lines seen, too violet but much too indefinite to classify.

The dark lines may belong to stars close by to [illegible].

36 Too faint.

37 — Too ft.

38 — " "

39 — " " & diffuse

Omit.

S these 2 are too much sup. others too ft. They look like B class

✓ 1198a 40 B – A? A wide indistinct sp. Dark lines seen especially a sharp line in violet on 10064, but very indef. They may come from

narrow hyd. lines

Galactic Clusters in Large Cloud.

41 Forget.

42. " "

43 ~~A?~~ Faint dark lines seen. bright ~~and (H + K region) obscured~~
1896a ~~by star at North.~~ ~~Forget.~~

44 A – F. MF 9972, 10064
1894a
* — this star perh. gives the lines. It may not
S be in Cluster.

45. No 1918 A5 – F
Bestm 10064

46. Forget.

47. Forget. n.s. on A 4114, very faintest blue on MF + ff plates

48. A round patch, on plates of shorter exposure, separated
1917a // B from the large nebulosity. Both may be included
1918a A in N.G.C. 1850

1917a = star on prec. side of the nebulous mass.
1918a = neb. mass.

Saturday, Oct. 3, 1931

Clusters in Large Cloud

49. Torpt. —

50. No. 1920a a

51. Marked in a 3348
"Torpt."

52 O, O, B?, P. 1410, $\overset{\text{class}}{\text{O}}$, preceding thick part of neb.
1410a, 1410, 1922a, 1923a
1410a, Class O. Apparently imbedded in neb. in northern edge
1922a south side of neb.
May not be a pair.
The brightest star in or very near the neb.
1923a gas. neb. ~~[illegible]~~ ~~the centre~~ densest portion being S. of 1410a

53 Torpt.

54 " "

Large Cloud

Galactic Clusters

55 Too flt.

56 " "

57 " "

58 ~~Is not found~~ On 33×8. Too flt.

59 Too flt.

60 1435 A F on 10064 both plates

61 Seems to be composed of N.G.C. ~~1872~~, 1874, 1876, 1877, 1880, 1881.

Nothing clearly distinguishable except 1430a Oa

1434 B

P Cyg in clus. 1434a

N.G.C
1872 too diffuse
1874 too flt.
1876 too involved
1877 " flt.
1880 " "
1881 = 1434 B?

1433 also in cluster also 1434 a P Cyg. class
1430a Class O. on outskirts not far from
N.G.C 1881 and probably assoc. with cluster

Large Cloud
Clusters

62 ✓ Too ft. | Masked on A3348

63 ? F? | Dark lines seen on 10064
? Edge of chart
see Chart VI

64 ✓ | A blur seen but no lines. A faint star to N. shows dark lines.
chart plate shows stars rather well separated

65 Too ft.

66 Too poor | A few dark lines seen but can not classify.
Star on prec. side a member?

67 Too ft.

68 " "

69 | A broad blurry sp. in wh. hydrogen lines are plainest
N.G.C. 1818
"F. pretty small, round"

70 Too ft.

Clusters (cont.) Large Cloud

9972 best. On A 15266 three stars in center. See card. Not in C.P.D.

no. 71 Round patch on chart plates (~~Globular?~~)
Seen on sp. plates best on Mf 9972
Some dark lines certainly seen and distribution of
light as in A or B spectra. Class uncertain
1446a H + K seen? However too faint in violet
~~B-A?~~ ~~F5?~~ Better plate dark lines seen, class not defined

72 A group of stars, one more distinct than the
N.G.C. 1913 others is towards S – is it a member?

Dark hydrogen lines seen and K. looks like
A-F1 A – F. Perhaps these lines are due to the
more distinct star noted above. Yet the lines
1443a extend over too wide an area to be due to
A_3 ✓ one star only.
Sep. 1 03 Examination of several plates checks the result, and makes it
seem pretty certain that the hyd. lines are due to integrated light of several stars

73 Too ft.

74 Too ft.
75 " "

76 A hydrogen lines Hγ, Hδ seen clearly on Mf 9972 ✓
1364a Open and ft. cluster on A 15266
77 Too ft. Compact mass on B

Large Cloud

Cluster

78 Large Group of stars & neb.; too ft.

79 Ft. and just N. of 80 On MF chart plate;
too ft. to affect the spectrum.

80 Seen on Ax112, on F9972
Dist. of light resembles G5–K.
Some narrow dark lines seen
~~G5~~? F? very much blurred by No. 79. Best on 10064 where it
looks more like F.

/ 1363a Lines indistinct. Best leave without ~~that~~ class and
state flt. dark lines visible. Compact mass in chart

81 Too ft.

82 Too ft.

83 Barely seen on 9972. Perhaps better on 10064
Looks like a spiral on Chart IV but seen to be very
large stars on A15266.

1462a,

~~marked on Chart IV~~ ~~F5~~? Dark lines barely seen
Can not classify.

Large Cloud

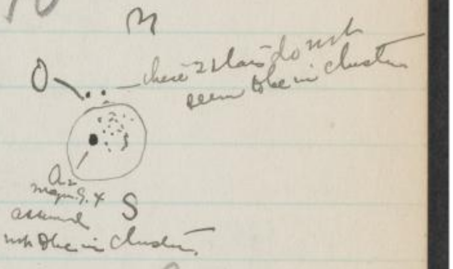
Galactic Clusters

84) Neb. giving P sp. overspreading ft. stars

1982a on foll. edge A2

1983a at N. Class O.

1985a " " " O?


N
O
these 2 stars do not seem to be in cluster
A2
mag 9.4
assumed not to be in cluster
S

Even tho A2 star does not belong as it is so much brighter than the others

85 Seen best on 10064. Hδ, Hε seen clearly

1355a sp. of star at ~~[illegible]~~ north blurs the end of greater λ.
n.s. on 4112

F? a ft. star at north probably too ft. to give the lines. Looks some more like F5.

86 Too ft.

87 too ft.

88 " "

89 " "

90 " "

91 " "

92 A large open cluster
Stars all too ft. for spectrum

New gas neb. following −66° 4.2

Large Cloud
Clusters

93 On MF9972 several dark lines seen. They look like hyd. lines of ~~second~~ more than one Class A star
A5?

94 Large group.
2202 = O; 2203 A7; 2204 B; 2205, O; 2206 B

95 Off chart? Mag. 5th star 17.0 so probably too ft.
marked on chart I - very ft.

96 Rather good-sized group.
On A4112 the brightest star seems to be F5 but probably too doubtful
Omit. On MF plates, all blurry and nothing classifiable

97 Two brightest stars already classified
on MF9972 271 O mag. 11.6
277 B mag. 11.5
others too ft.

98 Two stars near together are seen to be Class A or more likely B but as there are 3 in group, I cannot be sure which is which.

279 on 9972 Classified B and appears too ft. - blue
the superposed brightest star of 1968

Omit. Identified on chart as N.G.C. 1974 but MLM identifies as 1968 + 1974. Latter thickest part of whole.
The 1974 portion is all a jumble on ch. plates.

Large Cloud

Cluster

99 A group, too faint.

100 Ng. 2210. A puzzle. Dark lines clearly seen ~~on violet~~ on MF plates. Indistinct br. lines seen on A plates.
The br. lines are uncertain as they may be spaces.
Probably a star surrounded by nebula which gives br. lines.
~~Too vague~~
State numer dark lines seen, which resemble B sp.
A plates only a blur

101 Too faint.

• a hazy mass
102 Dark lines seen only a suspicion, but very indistinct. On 10064, it looks like Hγ and Hδ (scratch near Hγ) too poor to classify

103 1504 a, marked in Chart IV.
Best on MF9972, shows numerous narrow dark lines looks like F8. Probably safe to assume G.

104 Too faint. Sp seen on MF plates with faint dark lines but too poor to classify.

on 9972. H & K seen distinctly in the hazy mass and not belonging to the adjacent stars. So it seems safe to assume G

105 B? A–F? A puzzle. Numerous lines on 9972 but does not defined.

106 A group of well-separated stars, too faint
all a blur on 9972

Large Cloud

Clusters

107 N.G.C. 2001 (Cl. Star 13m)

Only 1 gt. star classified which seems to be in the cluster and perhaps 1518 G0 1518 looks to be part

2212 O? 2212 Class O? best seen on A15031
Others too faint and superposed.

108
337a Cont. Just a glimpses of a few dark lines.

109 Cont.
318 on 9972 Note says Probably B on 7577

On chart plate A 11586, the central portion looks like a single star, but it is probably composed of many
Any how, the general effect is of a B spectrum

October 8, 1931

Galactic Clusters in Large Cloud

110

338 a A — A, but this seems to be the sp. of a star

clust N. — N. of the cluster. See A11588.

P — Should 110 include both? ~~Probably not~~ Yes.

a blur or nebulous cluster

star nearby in neb. The sp. belongs to this object.

The northern obj is very neb. on A112 and is certainly a part of the cluster

111 Sp. quite well marked on MF plates.
B? Almost without lines.

1532 a — A faint group. Spectrum quite strong. Dark lines seen clearly in violet. Better omit class. State dark lines seen.

112 342 looks very nebulous and may be a part of the cluster

342 a P — P neb. around part of cluster

Other stars near 341, 343, 344 probably not in cluster

Large Cloud

Clusters

113 B

330 This star is very much brighter than the cluster stars and is perhaps not a member. A hazy widening on preceding side seems to be due to the cluster, and dark lines are seen but too indistinct to classify.

114 Too faint.

115	325 ~~Cont.~~ B		A decidedly open cluster.
	327	K5	brightest in cluster
N. G. C.	327a	P	5007, 4959, Hβ seen bright on A 15032.
2014	325a	Cont.	star attached in centre.
116	1493	O	Comp to 1493
	1493a	B?	
	1495	~~G~~ B	
	1496	[illegible]	
	1497	B	

117 Stars too faint & superposed

118 Stars much too faint & superposed

119 Stars too faint & superposed

Large Cloud

Clusters

120 Tuft.

121 Tuft. A faint trace seen on MF plates but can not classify.

122 ~~A0?~~ N.G.C. 2025
Hyd. lines seen on all good plates. A-F?

123 tuft.

124 tuft.

125 tuft.

126 A11586 shows a group of 3 stars, of which one, the preceding, is brightest. On MF 9972 this star has sp. A5, hydrogen well marked, also K line.
362a

127 .3574 cont. B B5?
354 .3574 precedes the cluster, which is too much sup. on the star at North. The portion vis. shows no lines

128 Tuft.

October 12, 1931

Galactic Clusters in Large Cloud

129. Faint A bare trace seen on 10064, no distinct lines.

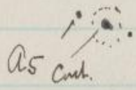
130 No chart

see chart VI

Looked up on all plates. MF 9967 best. Hγ & 3727 bright. Star s.f. spectrum bad not classifiable. Apparently B–A.

131 A5

372, 373 Cont



132 Lost.

133

2224 Oe

2225 B?

26 O

27 M?

134 Lost.

135 " "

Galactic Clusters in Large Cloud

136 A? N.G.C. 2058 On 4112, looks like solar type
F2? 1611 on 9967 Can not be A. Best on 9967 F2?

137 ~~B–A?~~ F? Best on 10066, on 9967 A3
H ζ seen and several other dark lines
1609a H & K seen
A3? N.G.C. 2065

138
2238 { B two stars much brighter than others in cluster
2239 { B Are they members
2240 P

139 Faint.

140 " "

141 A large group & open
2241 O
2242 O
2243 P Cyg type
2254 O

October 13, 1931

Galactic Clusters in Large Cloud

142 Too ft.

143 " "

144 " "

145 Too ft. A faint cluster with a nearly central bright star which is probably a foreground star. The sp. of this star is seen quite clearly on 10064, but not very well defined. It looks something like solar type. The cluster is too ft. to show any spectrum.

A chart plate shows that the brightest star probably does not belong to cluster

146 Too ft. ~~A~~ B? Ultra violet hydrogen lines seen distinctly and fine lines all through the spectrum but cannot classify. Bright lines suspected in A7577

A large hazy cluster surrounded by brighter stars. ~~[illegible]~~ a few br. lines certainly seen ~~[illegible]~~ ~~[illegible]~~ cluster stars.

147 Two stars on foll. side of cluster seen in A11586, which are so much brighter than cluster stars and which look like foreground stars. These stars give dark lines ~~and would completely mask the cluster stars even if bright enough to give sp.~~ but the same dark lines are seen covering the ~~extent of the~~ extent of the ft. stars in cluster

Too ft.

~~B–A~~

Apparently F or later

Large Cloud

Galactic Clusters

148 Sp. seen but not classifiable. A star at N. confuses it.
Impossible on acc. of star at N. and one preceding.

149 Too ft.

150 F? Hγ Hδ seen clearly on 10064,
H+K glimpsed. Also well seen on 9967

2070a A compact cluster, hazy.
Definition vague on 9972, but Hγ, Hδ distinct on 10064.

151 Just a blur seen on 10064
Too ft.

152 Too ft.

153 " "

154 Very open, if the brighter stars belong to cluster
I have classified the two brightest stars as
2108 & 2108a Cont. Cont.
mag. 11.8 mag. 11.8

155 N?
see chart I - very ft.

Large Cloud

Galactic Clusters

156 Too ft.

157 " "

158 N.G.C. 2133 " " Only a blur seen
"Large obj. n.f. Is it a cluster" N.G.C. 2134 = No. 1654 on 9967
Sup. 89 Perhaps globular.

159 No. 2163 on 9967. A large hazy mass.
A3 Strong hyd. lines. Best on 9967, next best 10084
K seems also present

160 A hazy compact mass.
1690a on 9967 A on other N.G.C. A-F Hydrogen lines seen clearly on 10064
but image is very ft. and K may be present!

161 Too ft.

162 Seen but too ft. to classify.

163 Too ft.

Galactic Clusters — Large Cloud

164 Forgt.

N.G.C. 2156

165 500 m MF 9972 —

@3

Large Cloud

Perhaps Globular Clusters in the Large Cloud

N.G.C. ~~1783~~

1872 Very ill-defined, except on

1419a I 10066, where it seems to be beyond F1,

F2

Assume F1

October 14, 1931

L.M.C.
Sp. of the clusters given as Globular in "Star Clusters" p. 187.

N.G.C.
1783 Already classified on MF 9972 $\frac{67}{\cancel{77}}$ a
Safer to say F1–G, as image is blurry.
F1 F1

1806 very vague. Perhaps best on 9972 –
A few dark lines glimpsed.
Not A. Certainly not Class A.
At times H + K rather narrow, appear blacker.
Perhaps Somewhat the appearance of F–G or of G–
F–G. but rather uncertain

1831 No. 796 on 9972
Record says,
F5! Dark lines seen. Perhaps F5

1835 No. 1279 on 9967

~~G~~ F5? Certainly near G–
On 10066, F8

Large Cloud

Gl. Cl. in L.M.C.

N.G.C.

1846 Best on 10066

F5? Too vague.
On 9967 looks like G5 in distribution of light.

1857 In line with No. 1408a on 9967
No lines seen clearly.
Very strong spectrum on A4112 but not defined.
Some dark lines seen on 9967.
G? On 10066, dark H & K seen at north of No. 1408a.
The spectrum appears to be from F5 – G.

1409a

1866 MF 9972 later obs. very much confused & very vague. Better
214 A5 much class & put it in uncertain, in doubt
Perhaps best on MF 10066. F. certainly not later.

1978 900 on 9972
Perhaps best on 10066, where it appears
G certainly to be G

October 19, 1931
Large Cloud

Search for spectra of clusters given as possibly globular in Star Clusters p. 186

N.G.C.
~~1700~~
1711 — No. 1065 on 9967
✓ G. Best on 10064

1789 ✓ — Soft. — Barest darkening of film on 9972
~~(Off any chart)~~

1852 ✓ — ✓ Soft — 59 – 68
not seen on 9972

1872 —
✓ F Best on 10066
$H\gamma$, $H\delta$, H + K seen

1419a on 9967

1903 — marked 1930 on chart.
1443 on 9967
A on 9972 + 10064 best
K perhaps glimpsed
Hydrogen well marked. Probably very near A –
K certainly not well developed

On 10066 K is seen quite easily. ✓ Class A3

Large Cloud

Possibly Globular Cluster

1916 ~~No. 1446 on 9967~~ 1448 on 9967
F ~~5 on MF 9972, 10064~~
A7? Hyd. Hγ, Hδ strong, also Hζ.

1926 Too faint.
Superposed on Sp. of a star No. 1455
~~not marked on Chart (this noted later ident. by MLM & A.J.C.~~

1939 See p. 68, No. 80
G5–?
F? on later exam.

1944 ~~Too faint S. for chart I have on hand~~
Marked on 10066
✓ G Best on 9972 — H & K seen, otherwise cont.,

1986 See p. 71 No. 103
F8?

2019 No. 1554 on 9967
F5

Large Cloud

Possibly Globular Clusters

2031 No. 1566 on 9967
F1 F1 on best MF plates

2056 Too poor Near another star

2058 Sep. 77 = 1611 on 9967
A best on 9967. Hδ Hε strong & sp.
A5? extends quite strongly in the violet. K is not well defined but sp. looks somewhat later than A. Assume A5?

2065 Sep. 77 = 1609a on 9967

F?
2107 F2 best on 10066
2108 ~~F~~ ft. Dark lines seen. G?

Large Cloud

Possibly Glob. clusters

N.G.C.

2133 Toft No. 158 on p. 80
Exam. of all plates shows dark lines. F5 –

2134 No. 1654 on 9967
A3 Best on 10064. Hyd. rather strong.

2157. No 2174 on 9967
On 9967 & 10064, the best plates, strong hyd. lines and no distinct K line. Certainly near A0.

2164 522 on 9972 ✓

A5 – hazy. Hydrogen lines not so strong or conspicuous as in N.G.C. 2157

December 15, 1931

Small Mag. Cloud

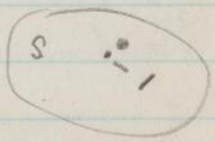
Peculiar objects

Marked first on A 15021 Nov. 13, 1930

0 39 50 − 73 35.3

1 Bright lines. Neb.?

Marked on chart pl. 12234



On A12239, hazy.

Other sp. plates

Lines not broad. Hβ = 5007, 4959 fainter.

A15026 too poor

A15028 confirms bright lines as 5007, 4959, & Hβ are seen on prec. sides of the brighter star.

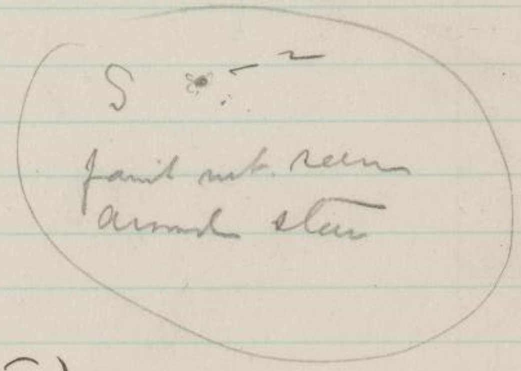
very ft A15029 br. lines seen

Star object hazy on A 12234

May be a planetary. A 6860 235m exp. shows no nebulosity around this star.

0 41 46 − 73 56.0

2. nebular lines



faint neb. seen around star

Might be band at 5007 + (4959) & Hβ seen

5007 & Hβ

Conf. on A15028

15029 (best) strong)

Small Cloud

A 15021

Diffuse bright lines 0 42 53 −73 39.0

3 A large neb. around a star
Bright nebular lines 5007, 4959, seen best
with naked eye.
A 15026
Conf. 15029

0 44 32 −73 47.9

3a Seen on A 15028 ~~Looks more like a red star, N m 50, and~~
neb. very ft. ~~can not make the bright lines fit 5007 anything~~
? Conf. on 15029 very ft.
Correct object seems to be marked
on A 15082

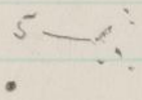
S ? this star has some neb. around it,
but the lines seem to agree
3a with the object S. of it, which moreover
looks very hazy.

On A 15029 (superposed on 15030 Large Cloud) shows
three very faint emission lines ~~but I am not sure~~
~~they are real~~ (certainly real)
Seen very faintly on A 15027

Small Cloud
A 15021

4 A bright neb.
Known
5007, 4959, Hβ, Hγ, Hδ seen

1 11 3 −73 50.0
5 5007, 4959 & Hβ seen,
Hβ = 3/4 N'
cmf. 15028 15029

5


2 or 3 stars in line surrounded by neb. The br. lines seem to correspond to p. s. portion
Marked on A 15234.

Best on 15029 5007 (4959) Hβ, Hγ

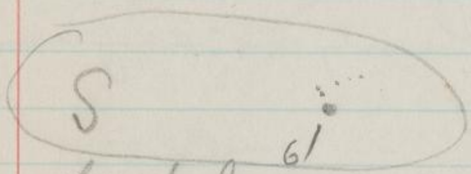
Small Cloud

a 15021

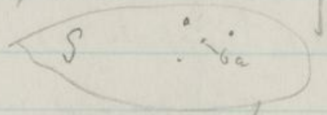
6. N₁ stronger ~~[illegible]~~ than Hβ.

1 11 53 − 73 50.2

Conf. 15028
15029
(marked on 15234 rather large, hazy



6a Two br. lines seen on a 15029-30 1 12 4 − 73 51.6
Also glimpsed on 15028, but certainly very fst.



7 Rather bright gas neb. Known

5007, 4959, Hβ bright.

Best on 15028 when γ. δ. ε also seen
5007 strongest.

1 28 52 − 73 56.1

8 Class O. Brightest of group
Best on 15028

S

Small Cloud

a 15021

9 M stars. Titan oxide bands very strong.

10 Class O known. The only one ~~so far~~ before this

11 Wide bright neb. bands
A very diffuse neb
C.P.D. -72° 74 0 54 50.0 -72 51.0 neb.
0 55 42 -72 42.8 (1900)

12 Very indistinct br. lines
Not yet confirmed.

Plates of Small Cloud too poor to be of any use

MF 9974✓ 9969 —
9981 9965

MF 11456✓

15032 —

Notes on Clusters

No. 12 Chart A 15266 shows two portions, one foll. & slightly S. more hazy, the northern more star-like

12? on J. Mitchell
evidently uncertain whether a cluster.
No. 12

S

A 4811 shows the prec. slightly N. portion the more hazy.
It therefore seems probably that both portions are a part of the cluster although I thought at first that one might be a star.

On MF 9972 the lines Hγ, Hδ, H & K are seen probably representing the integrated whole.

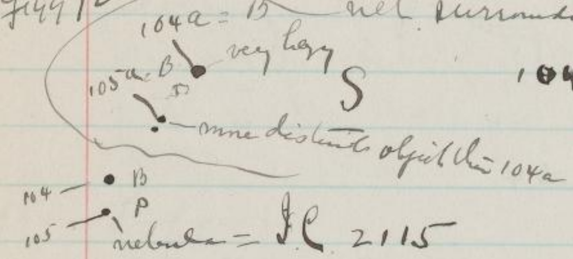
Fa (best)

November 1933

Notes on Clusters in Large Cloud

No. 13 (blue)

mf 9972 — neb. surrounding this group = N.G.C. 1763 = 103a Class P.



104a = B very hazy + nebulous, as it seems also immersed in nebulosity.
105a = B
104 = B
105 = P nebular lines clearly seen and object well defined, not very nebulous.

No. 13 in Galactic Clusters.
A large hazy mass, apparently composed of B stars and nebulosity.

103a = the large diffuse neb. covering the cluster,

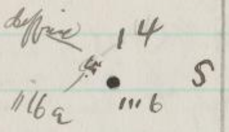
104a meas. mag. 11.5 B nebulous
105a " " ~~12.6~~ 11.8 B

104 " " 11.3
105 12.6 Planetary probably.

On B 20846, 326m Exp. the nebulous mass is sharply defined in edges and does not cover stars 104 and 105 which seem to stand out almost in a different plane.

Notes on Clusters in Large Cloud (contd.)

No. 14 (blue)



Lines very ft., but certainly looks more like F than A

Best on 10064

A-F Dark lines certainly seen, especially in violet and the group of stars at N. seems to be too faint to give distinct lines.
Spectrum probably A-F!

15
rather compact hazy mass.
Here again a star at N infringes on the violet end of spectrum. But spectrum looks as far along as F!

F

16 Certainly G or very close to it.
Best on 9972

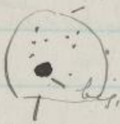
17 Cluster seen on long exp. plate as B 20846.

Certainly no pl. for No 610 is an adjacent star
many spectrum to be obtained.

18 Soft.

19.

The line includes whole group. but on B20846 it does not look



S

like a group, as there are
many stars all around.

N.G.C. 1772 seems to refer only to this mass only.

I find that the type is given as to compact, hence
probably only the large object was intended.

Go

The spectrum of this object appears to be certainly Go
although the region of H & K is blurred by sp. of a star
at north.

20 A large nebulous group.

Sep. 60

27. Best on 9967

N.G.C. 1800 Looks like a globular on B20846

F5

31 See p. 61 F8 appears 0.15.

~~Looks like a globular on B2084~~6.

A chart plate shows this to be a compact cluster, 4 stars seen distinctly, it looks something like the Pleiades.

32 Dark lines seen best on 9967

1810 Certainly not earlier than F. Hγ, Hδ quite narrow. H & K lost in faintness & perhaps also super. on another sp. at N.

I am inclined from all three plates to call sp F2.

34. A bright cont. sp. on which certain but not strong hydrogen lines Hγ, Hδ and perhaps others are seen

A-F?

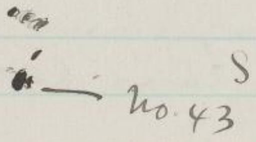
40. One largish gl. mass with a star at S, but this star seems too ft. to be the cause of dark lines seen, which moreover are too wide in extent to be due to star.

A? narrow lines.

Very distinct dark lines corresponding to HE of globular mass. K n.s.

43 Dark hydrogen lines seen distinctly in 10064.

A Adopt A. This refers to the globular mass with nebulous streamers.



44 Dark lines seen in a strong cont. sp. These lines are not due to the adjacent star referred to on p. 63.

Can not classify and series of lines not seen distinctly but rather narrow lines ~~two~~ in violet are clearly seen.

45. Only 10064, Hγ, Hδ, HE & K seen

K not quite equal to HE.

A?

A large globular mass in B20846, slightly nebulous.

Large Cloud

condensed hazy mass. = 1917a classified B

S

in a

48 diffuse hazy mass = 1918a classified G

On longer exposures, the nebulosity covers whole region

1917a No bright lines seen

1918a Dark lines are certainly seen in both of these objects, but on careful exam. even the approximate class seems very uncertain.

On 10064 1917a seems to have dark H+K.

On 9972 1918a " " " " "

Better plates dark lines seen, but classes uncertain

50 A hazy glob. mass.

1920a Hyd. lines seen best on 9972

A

Large Cloud

60 A Strong dark lines seen, somewhat confusing in the violet as a line near Hγ makes an appearance like H + K, but not in the proper place, perhaps S two of the brightest stars have class A spectra.

star
both too ft. to give spectrum

66. Dark lines seen, apparently hydrogen, narrow & ft. but surely seen.
star – pure – probably not belonging to cluster!
S

a hazy nebulosity covers cluster but no br. lines.

Dark lines seen best on 9972 and on wider spectrum and therefore not due only to star on preceding, but belonging to the whole.

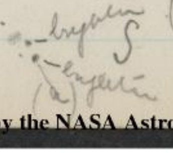
69 Faint and diffuse on chart plates

Wider spectrum seen, best on 10064.
Dark H K seen clearly, very well defined
Sp. looks something like F5 – G, but not certain

71. See page 67

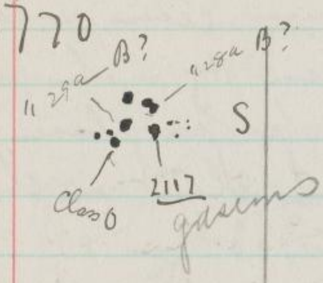
72. A hazy blurry spectrum over which hydrogen lines are surely seen.

on A15266 cluster is like this



these two stars may not belong to cluster and (a) may form the mid. lines

N. G. C. 1770



Feb. 3, 1934

Looking up clusters in LMC which are in N.G.C. and not in Galactic or globular list.

N.G.C.

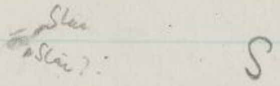
1695 - Not hitherto classified.

1050 a (9967) but seen on 9967, 9972, 10064 narrow but clearly cluster like

marked in cl. cat. best on 9972 where it looks like F5 - G.

G Gband with Hγ seen best other lines indistinct but seen faintly

On A chart plates, this object A 3428 30m



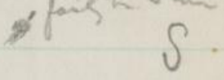
Probably a globular cluster In N.G.C. (F s, 2)

Looks like two stars on S. edge, and a hazy mass. The two stars may of course not be a part of the object, especially the preceding which is brighter. Stars near by as bright as this preceding star, do not show any spectrum, so the lines seen probably belong to the cluster.

1698 Best on 9967 where H & K are seen.

1081 a and the general look of the spectrum is of Class G wide spectrum. Object large

globular?



A 3428 shows a large object with several stars involved, but they are too faint to show individual spectra, and the wide hazy spectrum seen evidently belongs to the cluster

Clusters in N.G.C. just Galac. or Glob. (contd)

~~The condensed objects in LMC~~

at first incorrectly ident. as 1702 which is left.

1704 Best on 9972, H + K seen No. 6 in Galac. list

1067a - H > K wide sp

(9967) Partly superposed on sp. of 1067 at N..

Except that K looks wider than

F/G H the spectrum appears then like Class G

Globular? Assume F/G wide Hγ seen on 9967.

On A3428 a fuzzy mass with stars all around. Central not separated into stars on this plate.

1711 A cluster of stars on A3428

(In possibly Glob. list)

G The dark lines are clearly seen and the spectrum is best on 9967.

1718 Left.

1714 —— P

1715 Left.

1731

May 11, 1934

M7 9982

F.C.

1	3	G5	
2	2	K7	
3	3	F5	
4	4	K0	
5	5	K0	
6	4	G0	
7	4	G0	
8	5	K	Partly superposed on #9.
9	6	A0	
10	6	G0	
11	5	K0	
12	6	G0	
13	2	A5	Nebula
14	4	G0	
15	3	K0	
16	3	K2	
17	4	G0	
18	2	F5	
19	1	K5	
20	1	K7	
21	2	G0	
22	4	K0	
23	2	K7	
24	3	F8	
25	2	G0	

B 35050

1	-72°	477	6^h	24.8	-72°	31'	9.9	✓
2	-72	476	6	24.0	-72	32	10.0	✓
3	-72	475	6	23.5	-72	25	10.0	✓
4	-72°	474	6	23.3	-72	4	9.8	✓
5	-71°	427	6	20.6	-71	59	9.6	✓
6	-71	431	6	21.9	-71	32	9.8	✓
7	-70	505	6	18.5	-70	44	9.8	✓
8	-69	589	6	16.1	-69	13	9.7	✓
9	-69	588	6	15.9	-69	10	9.3	✓
10	-69	587	6	15.8	-69	5	9.0	✓
11	-69	586	6	15.4	-69	6	9.5	✓
12	-68	484	6	15.0	-68	59	9.1	✓
13								Not in C.P.D ✓
14	-68	482	6	13.4	-68	5	10.0	✓
B 2632W 15			4	39.9	-68	13		Not in CPD
			4	39.3	-68	3		
16	~~-67°~~	~~336~~	~~4~~	~~37.5~~	~~-67~~	~~57~~		.. .. ..
17	-67°	336	4	37.5	-67	57	9.4	
18	-67°	337	4	37.8	-67	33	9.5	
19			4	38.2	-67	22		Not in CPD
20			4	41.1	-67	0		.. .. ..
21			4	34.0	-69	28 ~~34~~		.. .. ..
22	-69°	280	4	33.8	-69	35	9.5	
23			4	33.4	-69	33		Not in CPD
24	-70°	308	4	31.1	-70	32	9.6	
25			4	31.4	-70	37		Not in CPD

MF 99$\overset{8}{7}$2

26	3	F5
27	2	F5
28	4	K0
29	3	K2

B26320

26	-71° 268	4	30.2	-71	3	9.6
27	-71° 267	4	29.6	-71	44	9.7
28	-72° 306	4	29.1	-72	16	9.4
29		4	27.8	-72	15'	Not in CPD

Thursday, Nov. 11, 1937

B 53276

MM

1	2	A2
2	2	A0
3	3	A2
4	6	A0
5	3	G5
6	8	F5
7	1	K2
8	2	K5
9	2	K2
10	1	K5
11	1	K7
12	2	K0
13	2	A2
14	4	G5
15	3	A3
16	5	A2
17	10	A
18	3	K2
19	3	A2
20	10	A
21	1	K7
22	6	A0
23	1	K7
24	2	A3
25	3	F2

Nov 11, 1937

B53276

26	1	F0
27	5	A0
28	5	A7
29	1	K7
30	1	K0
31	2	G5
32	3	A2
33	1	A
34	2	A0
35	1	A
36	3	A0
37	1	K0
38	1	A3
39	1	G5
40	2	G0
41	2	K7
42	2	A5
43	2	G5
44	4	G0
45	1	F8
46	1	K7
47	4	G0
48	4	A2
49	2	K7
50	3	A3

Nov 11, 1937

B 53276

51	5	A5
52	3	Mo
53	6	Ao
54	1	Mo
55	7	Mo
56	2	Go
57	2	Ko
58	2	K7
59	1	A
60	6	B5
61	2	Fo
62	1	A
63	2	Fo
64	2	F8
65	7	Ao
66	5	Ao
67	5	A5
68	3	A2
69	1	Go
70	2	K7
71	3	Ao
72	1	K7
73	4	B9
74	1	F8
75	2	Ao

Nov. 11, 1937

B53276

76	4	K2
77	2	F5
78	1	K7
79	4	K0
80	3	B9
81	4	F0
82	3	A0
83	1	A
84	3	F8
85	7	K0
86	2	A0
87	2	A0
88	7	G5
89	3	F5
90	3	A2
91	1	F
92	4	A7
93	1	A
94	1	A5
95	2	K7
96	2	A7
97	10	A
98	2	G5
99	1	A5
100	1	F5

Friday Nov 19, 1937

B53276

MM

101	2	G0	
102	1	K5	Two stars in same R.A. Probably the smaller.
103	2	K0	
104	2	K7	
105	5	A0	
106	6	A3	
107	2	F5	
108	1	K2	
109	3	K0	
110	2	G5	
111	7	K0	
112	2	A0	
113	1	K5	
114	4	A3	
115	4	A2	
116	2	A0	
117	8	A0	
118	1	G5	
119	5	A0	
120	1	K0	
121	1	K0	
122	2	M0	
123	4	F8	
124	9	A	
125	5	A0	

Nov. 19, 1937

B 53276

126	7	F0	
127	3	A5	
128	1	K5	
129	6	K0	
130	7	A2	
131	1	F5	pec. ? 2
132	3	G0	
133	3	K0	
134	1	A2	
135	1	A0	
136	3	G0	
137	2	A2	
138	3	A3	
139	4	A2	
140	4	B9	
141	2	G0	
142	5	K2	
143	1	K7	
144	1	K0	
145	2	F0	
146	3	K5	
147	8	A	
148	2	F0	
149	1	G0	
150	2	G0	

Nov. 19, 1937

B 53276

151	2	A2
152	3	K7
153	4	F8
154	2	K5
155	7	A0
156	1	A2
157	1	G5
158	3	B8
159	2	F8
160	1	K7
161	8	A2
16~~3~~2	2	A3
16~~4~~3	1	K0
16~~5~~4	8	A
16~~6~~5	2	A5
16~~7~~6	1	K5
16~~8~~7	7	A3
16~~9~~8	3	G0
1~~70~~69	2	A0
170	2	G0
17~~2~~1	3	G0
17~~3~~2	1	F5
17~~4~~3	5	F8
174	5	K0
175	2	A0

Nov. 19, 1937

B 53276

176	1	F5
177	2	F2
178	3	G0
179	4	F5
180	2	A0
181	2	F0
182	2	K2
183	4	A2
184	1	G0
185	5	K0
186	8	A
187	2	F8
188	2	F2
189	1	K0
190	3	K2
191	1	K2
192	9	B0
193	1	A
194	1	F8
195	2	K0
196	1	K0
197	1	K5
198	3	K5
199	3	K5
200	5	B8

Monday, Nov. 22, 1937

B 53276
MM

201	1	G5
202	2	B8
203	1	M0
204	2	A5
205	6	A0
206	3	A2
207	1	G5
208	7	A0
209	1	K7
210	2	K0
211	2	K5
212	3	A2
213	1	F0
214	2	A0
215	1	A0
216	4	F2
217	3	F0
218	1	A2
219	6	K0
220	5	A0
221	1	M0
222	4	F5
223	1	A0
224	4	B9
225	1	K7

Nov. 22. 1937

B53276

226	2	G0
227	1	M0
228	3	K0
229	5	A3
230	1	A2
231	5	F0
232	1	K2
233	2	G5
234	3	A0
235	4	F5
236	1	A3
237	4	A2
238	5	G0
239	7	B9
240	1	K0
241	3	A7
242	1	K7
243	4	A2
244	3	K2
245	3	A5
246	4	K2
247	1	K0
248	4	B9
249	1	K7
250	1	G5

Nov. 22, 1937

B53276

251	1	A5
252	1	G0
253	2	A7
254	1	K0
255	2	B9
256	1	K2
257	2	B9
258	3	A0
259	1	M0
260	1	A
261	2	F5
262	1	A
263	4	A0
264	3	G5
265	2	A0
266	1	K0
267		
268		
269		
270		
271		
272		
273		
274		
275		

Nov. 24, 1937
cont. from bk. 192, 220

MF 8114
MM

2101	2	A3	
2102	2	A3	
2103	5	A5	
2104	3	K7	
2105	1	K0	
2106	2	G5	
2107			Omit. Confused by a star to N.
2108	4	K0	
2109	2	F2	
2110	8	B2	
2111	1	F5	
2112	2	G0	
2113	3	G0	
2114	1	F8	
2115	2	F5	
2116	2	K7	
2117	6	A0	
2118	4	A2	
2119	2	G0	
2120	3	G5	
2121	1	A3	
2122	1	K2	
2123	3	F5	
2124	3	G5	
2125	3	G0	

Nov. 24, 1937

MF 8114

2126	2	A2	
2126a	1	F2	
2127	1	K0	
2128	2	F0	
2129	4	K0	
2130	7	F5	
2131	2	F5	
2132	1	G0	
2133	2	F0	
2134	3	F0	
2135	3	A7	
2136	2	A3	
2137	5	K0	
2138	1	K2	
2139	3	F0	
2140	1	F5	
2141	3	G5	
2142	1	K0	
2143	2	A	not marked on plate (ECP)
2144	2	K0	
2145	2	F0	
2146	1	G0	
2147	1	F8	
2148	1	F5	
2149	1	K2	
2150	2	K0	

Monday, Nov. 29, 1937

MF8114
MM

2151	6	G5
2152	1	K0
2153	4	a2
2154	3	A2
2155	4	F5
2156	1	A
2157	2	G0
2158	2	F8
2159	2	A5
2160		
2161		
2162		

Nov. 29, 1937

MF 8104

MM

1	~~1~~	F0	Omit. 2 stars in line
2	1	F2	
3	1	K5	
4	2	G0	
5	2	K5	
6	1	G5	
7	2	F2	
8	3	K2	
9	9	A	
10	3	F8	
11	4	A3	
12	1	G0	
13	2	F0	
14	1	K2	
15	2	F5	
16	4	K0 ~~G5~~	
17	4	G5	
18	1	G5	
19	1	K0	
20	2	A2	
21	1	K0	
22	4	A2	
23	1	G5	
24			Omit. Too f[a]t
25	1	K0	

Nov. 29, 1937

MF 8104

26	3	F5
27	2	A2
28	2	K5
29	3	A3
30	3	A7
31	1	G5
32	1	G0
33	2	K2
34	3	A5
35	3	G5
36	2	K0
37	1	G5
38	3	F5
39	1	F5
40	2	F8
41	3	A2
42	3	G5
43	1	G0
44	2	G0
45	2	G5
46	3	F5
47	1	G5
48	4	A3
49	2	K7
50	2	A5

Nov. 29, 1937

MF 8104

51	3	G5
52	4	A0
53	1	F5
54	1	K0
55	4	A3
56	4	A2
57	3	F8
58	4	F5
59	1	K0
60	1	F8
61	1	F5
62	1	G0
63	2	A0
64	3	F2
65	2	K0
66	4	F2
67	1	G8
68	1	G5
69	1	A0
70	1	G5
71	1	F8
72	1	K0
73	1	F5
74	4	G0
75	5	A2

Nov. 29, 1937

MF 8104

76	7	A5	
77	2	G0	
78	3	F5	
79	2	A3	
80	2	K0	
81	8	B8	
82	1	G5	
83	2	F2	
84			Omit Too vague
85	5	A2	
86	4	G5	
87	3	G0	
88	2	F8	
89			Omit.
90	1	F5	
91			Omit
92	1	K0	
93	2	G5	
94			Omit
95			"
96			"
97	4	F0	
98			Omit
99	1	K0	
100	2	A0	

Nov. 29, 1937

MF 8104
MM

101	7	M
102	2	F5
103	7	G
104	2	A0
105	4	A3
106	2	A0
107	1	A5
108	2	G0
109	2	F0
110	4	A0
111	1	K
112	1	G
113	3	A2
114	2	A5
115	2	G0
116	1	F5
117	2	F5
118	3	A5
119	2	G0
120	1	F8
121		Omit. Two superp. sp.
122	3	F2
123	2	F5
124	1	G5
125	3	G5

Nov. 29, 1937

MF 8104

126	2	F8	
127	1	A5	
128	3	G0	
129	3	F5	
130	3	G0	
131	1	F8	
132	1	K0	
133	2	K0	
134	4	K0	
135	3	K5	
136	4	F5	
137	4	G0	
138	1	F8	fol. of 2
139	1	F5	
140	3	G0	
141	2	F0	
142	3	K0	
143	1	F5	
144	1	G5	
145	3	G0	
146	~~2~~3	F0 ~~K2~~	
147	3	F~~0~~8	
148	3	G0	
149			
150	2	F8	

December 14, 1938

MF 7928

Carina region

MM

/	1	2	K5	chart 63
	2	1	K2	
	3	1	K7	
	4	1	K0	
	5	2	A0	
	6	4	A0	
	7	3	F0	
	8	1	M0	
/	9	3	A3	
	10	3	G5	chart 68
	11	2	K7	
	12	1	K7	
	12a	4	A2	
	13	2	M0	
	13a	2	A3	
	14	2	G0	
✓	15	1	A5	chart 63
	16	2	F5	
	17	2	G5	
	18	1	K7	
✓	19	3	A7	
	20	3	A0	chart 68
	21	1	F0	
	22	1	G5	
	23	2	M0	
	24	4	F2	
	25	2	K5	

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MF 7928

	26	1	Go	
	27	2	A7	
	28	2	A5	
	29	2	A5	
	30	1	Mo	
	31	1	F5	
	32	1	A3	
	33	2	Ao	
	34	3	G5	
	35	2	A2	
	36	4	B5	
	37	3	Ao	
	38	4	A2	
	39	3	Ao	
	40	1	F	
	41	1	Go	
✓	42	2	G5	Chat 63
	43	1	F8	
	44	4	F8	
	45	2	A3	
	46	2	G5	
	47	1	Ko	
	48	2	Go	
	49	2	Ao	
✓	50	3	A2	

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MF 7928

51	3	F0		chal 68
52	1	K0		
53	1	F5		
54	3	A5		
55	3	A2		
56	1	G0		chal 64 ✓
57	2	F5		
58	3	A5		
59	1	A0		
60	1	F2		
61	1	K2		
62	1	F8		
63	2	A2		
64	2	K0		
65	2	A5		
66	1	G5		
67			omit. a group	
68	2	K2		
69	2	G0		
70	4	A0		
71	4	F2		
72	3	A0		
73	3	A2		
74	2	A0		
75	1	F0		✓

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MF 7928

	76	2	A7		✓
-	77	3	G5		
	78	3	F0		
	79	1	A5		
	80	1	K7		
	81	2	K5		
✓	82	2	K7	chart 6~~4~~3 63 0.15	
	83	1	A		
✓	84	2	A3		✓
	85	3	F0	chart 64	
	86	1	K5		
	87	2	K7		
	88	4	F2		
	89	3	K5		
	90	2	A3		
	91	2	G0		
	92	1	K7		
	93	1	A		
	94	1	A3		
	95	1	G		
	96	1	A		
	97	2	G5		
	98	1	F5		
	99	1	A		
	100	2	A0		

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MF 7928

MM

— 101	1	A0	Foll. of 2	Chart 64
102	4	A2		
103	5	G0		
104	2	A0		
105	1	F0		
106	4	G0		
107	1	A7		
108	1	A0		
109a		A0		
109	1	M0	109a & b better on 1935	
109		A0		
110	1	A		
111	2	A5		
112	2	G5		
113	4	K0		
114	3	G0		
115	4	A2		
116	5	K0		
117	1	K2		
118	4	A3		
119	2	F2		
120	1	K2		
121	2	F0		
122	1	K0		
123	4	A2		
124	3	A3		
125	3	A2		

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MF 7928

126	1	K7
127	1	A7
128	3	F2
129	2	A5
130	1	F5
131	3	A3
132	4	K0
133	4	A7
134	1	G5
135	3	K0
136	1	F5
137	4	A0
138	5	F0
139	5	G5
140	3	K0
141	2	K7
142	1	K7
143	3	A5
144	1	F
145	2	A3
146	2	G0
147	4	A2
148	2	A3
149	2	B9
150	3	B9

(149 - ~~150~~ 153 not marked)
fol. chart 64, S. 7 97

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MF 7928

151	3	K2	
152	2	K7	
153	1	A3	
154	4	A0	Chart 97
155	3	A3	
156	1	A	
157	3	K0	
158	2	A0	
159	2	A2	
160	2	K0	Chart 64
161	2	F0	
162	1	A	
163	3	F0	
164	1	A	not marked. off chart 64
165	1	A	Chart 64
166	1	M0	
167	2	A2	
168	2	G0	
169	2	F2	
170	1	A	
171	1	M	
172	3	G0	
173	4	K0	
174	4	G0	
175	3	A3	

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MF 7928

176	2	A0	
177	3	F0	
178	1	K7	
179	1	M0	
180	2	A0	
181	2	M0	
182	4	G0	chart 36
183	1	K7	
184	2	F0	
185	2	F2	
186	2	F0	
187	2	A0	
188	1	A0	
189	2	G0	
190	2	A0	
191	2	K7	
192	2	K5	
193	2	G0	
194	3	F0	
195	2	A2	
196	1	G5	
197	1	A0	
198	2	A2	
199	1	A	
200	4	B9	

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MF 7928

MM

201	1	K5	chal 68
202	2	A0	
203	5	A3	
204	1	A7	
205	1	K0	
206	2	A5	chal 36
207	3	A2	
208	2	Ka	
209	2	M0	
210	1	A0	
211	3	A0	
212	2	A0	
213	3	K5	
214	4	B5	
215	2	F2	
216	1	K5	
217	1	G0	
218	1	K7	
219	2	K2	
220	2	K5	
221	2	K2	
222	3	K0	
223	2	F8	
224	3	A3	
225	1	A2	

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MF 7928

226	3	A0
227	4	K0
228	3	A2
229	2	M0
230	2	A2
231	2	G5
232	2	M0
233	2	F5
234	3	F0
235	4	A0
236	1	K5
237	2	K0
238	2	M0
239	1	K7
240	1	K0
241	2	A5
242	3	F2
243	1	F0
244	1	A3
245	2	F0
246	2	F8
247	3	A0
248	1	A3
249	2	F2
250	1	A

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MF 7928

251	1	F0	
252	2	A5	
253	2	G0	
254	1	M	Chart 97
255	1	A	
256	1	F5	
257	4	B8	
258	2	A0	
259	2	A0	
260	1	K0	
261	2	A0	
262	1	A	
263	1	A	
264	2	A2	
265	3	A0	
266	2	A2	
267	2	G0	
268	1	A	
269	2	A0	
270	3	A2	
271	4	F5	
272	2	A2	
273	2	A0	Chart 36
274	3	A3	
275	2	A0	

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MF 7928

276	2	G0	chart 97
277	2	A0	
278	1	K5	chart 41
279	2	F8	
280	1	K0	chart 97
281	3	K2	chart 41
282	3	A0	
283	4	B9	
284	4	A3	chart 97
285	1	A	
286	1	A	
287	4	A0	
288	3	B9	
289	3	A0	
290	3	B9	
291	4	A0	
292	3	K0	
293	1	K0	
294	4	A2	
295	1	F0	
296	4	B8	
297	1	G0	
298	1	K2	
299	4	B9	
300	4	A2	

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MF 7935

MM

1	1	F2	chart 64
2	1	M2	
3	1	F5	chart 97
4	1	F8	
5	1	A5	
6	1	G0	
7	2	A2	
8	1	M	
9	1	A0	
10	2	B9	
11	5	A0	chart 64
12	1	K0	
13	2	G5	(Nos 13-37 not marked)
14.	2	K0	
15	2	A7	
16	2	F0	
17	2	A2	
18	2	A5	
19	1	K7	
20	1	A3	
21	3	A2	
22	1	G5	
23	1	M0	
24	2	A0	
25	4	A0	

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MF 7935

26	1	F0	
27	1	A7	
28	2	A0	
29	4	B8	
30	3	K0	
31	1	K0	
32	2	F5	
33	2	F2	
34	4	G0	
35	1	A0	
36	5	K0	
37	3	K0	
38	3	A0	chart 97
39	1	A2	
40	2	A3	
41	4	B9	
42	1	K2	
43	2	B9	
44	5	B9	
45	1	A2	
46	1	A	
47	5	A3	
48	2	B9	
49	1	A	
50	2	B9	

Dec. 15, 1938

MF 7935

51	1	K0	
52	1	A	
53	3	F0	
54	2	B9	
55	1	G0	not marked
56	1	A0	chart 97
57	2	A0	
58	2	A3	
59	1	A	
60	1	A	
61	1	A	(nos 61-84 not marked)
62	1	A2	
63	3	F2	
64	2	A5	
65	1	M	
66	3	A5	
67	1	A	
68	1	A	
69	2	A3	
70			omit
71	1	F8	
72	2	A3	
73	2	A5	
74	1	F2	
75	2	A3	

Dec. 15, 1938

MF 7935

76	1	A	
77	1	G	
78	2	K7	
79	2	A2	
80	1	K0	
81	2	K2	
82	1	F	
83	2	A0	
84	3	F5	
85	3	A0	chart 97
86	3	A3	
87	1	K7	
88	2	F8	
89	3	A0	
90	1	K5	(no 90 not marked)
91	3	A0	chart 97
92	1	F	
93	3	G0	(No. 93 – 186 not marked) because they come in the region foll. chart 97, which is not included.
94	1	A	
95	5	A7	
96	6	A2	
97	2	~~A~~ B9	
98	2	G0	
99	3	A0	
100	1	A2	

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MF7935

MM

101	4	F2
102	1	F0
103	2	A2
104	1	F8
105	2	K7
106	2	A0
107	1	A3
108	1	K0
109	1	F5
110	1	F0
111	4	B9
112	3	A0
113	1	K0
114	1	A2
115	1	G5
116	1	A2
117	3	F0
118	1	G0
119	2	F5
120	2	K7
121	2	K2
122	3	A0
123	1	K5
124	2	A7
125	1	A

Dec 15, 1938

MF 7935

126	1	A
127	3	A5
128	2	A2
129	1	A0
130	2	A0
131	1	G5
132	2	F8
133	1	A
134	2	F5
135	2	B9
136	1	M0
137	4	K0
138	1	K2
139	2	A0
140	4	A0
141	1	F8
142	2	A2
143	2	A0
144	1	K0
145	1	G0
146	2	A3
147	2	A5
148	1	K5
149	1	F0
150	1	A3

Dec. 15, 1938

MF7935

151	1	A2
152	1	A
153	2	F8
154	3	F5
155	3	B9
156	3	A0
157	1	A3
158	1	A
159	1	B9
160	1	B9
161	3	A2
162	2	K0
163	1	A5
164	1	A
165	2	K0
166	1	K5
167	2	B9
168	2	K7
169	2	B9
170	2	B8
171	2	G0
172	2	A3
173	2	K7
174	2	M0
175	3	K0

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MF 7935

176	3	A0	
177	3	A7	
178	1	A	
179	3	F5	
180	2	A0	
181	1	A	
182	2	A0	
18~~2~~3	3	B9	
18~~3~~4	3	B8	
185 ~~184~~	3	B9	
186 ~~185~~	3	A2	
187 ~~186~~	4	F8	chal 97
188 ~~189~~	1	K2	
189 ~~188~~	3	B9	
190 ~~189~~	4	G0	
191 ~~190~~	3	A5	
192 ~~191~~	1	A2	
193 ~~192~~	2	A0	
194	2	A2	
195	1	K0	
196	4	G0	
197	2	B9	
198	2	A0	
199	1	K7	
200	2	A5	

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MF 7914

MM

1	2	A0	chart 8
2	2	K0	" 6
3	2	A0	
4	2	A3	
5	2	K7	
6	2	A3	
7	3	B9	
8	4	B5	
9	1	A2	
10	3	B9	
11	2	A0	
12	2	A3	
13	1	F8	
14	2	A2	
15	2	B9	
16	1	A0	
17	2	A3	
18	4	A3	
19	3	G0	
20	1	A2	
21	2	K0	
22	2	B8	
23	3	A0	
24	2	B8	
25	2	B8	

MF 7914

26	4	B9	
27	4	A3	dbl 8
28	2	A0	
29	3	A7	
30	2	K5	
31	3	F2	
32	1	A2	dbl 6
33	2	B9	
34	1	K5	dbl 8
35	2	F2	
36	3	A0	
37	4	B9	
38	4	B8	
39	1	A3	
40	2	K0	
41	2	A0	
42	1	K2	
43	1	F	
44	3	B5	
45	1	K7	
46	1	M0	
47	3	A0	
48	2	B9	
49	1	A	
50	2	B9	

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MF 7914

51	3	A0	chal 47
52	~~3~~ 4	B5	
53	5	A0	
54	1	A	
55	4	B9	chal 42
56	3	K5	
57	4	A2	
58	3	A3	
59	4	B8	
60	3	B9	
61	3	A0	
62	3	B8	
63	4	B9	
64	4	A0	chal 47
65	3	B5	
66	3	B5	
67	4	A0	
68	3	A0	
69	1	B9	
70	1	F0	
71	4	B3	
72	1	A	
73	1	K0	
74	4	B5	
75	2	A2	

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MF 7914

76	4	G5	
77	2	A0	
78	3	F8	
79	1	A	
80	1	K2	chart 6
81	1	B0	
82	3	B9	
83	3	A0	
84	4	F2	
85	4	A0	
86	2	A5	
87	3	A2	
88	3	K5	
89	2	A3	
90	4	B3	
91	3	A2	n. γ 2
92	3	B9	
93	3	B9	
94	4	A2	
95	2	A0	
96	3	B5	
97	1	A2	
98	3	F5	
99	5	B8	
100	1	A	

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MF 7914

MM

101	4	F0	chart 6
102	2	A0	
103	2	A3	
104	3	F8	
105	3	F0	
106	3	B8	
107	2	A5	
108	3	F0	
109	2	B9	
110	3	B8	
111	3	B9	
112	4	A0	
113	4	B9	
114	3	A2	
115	4	B8	
116	2	B9	
117	2	B9	
118	2	A0	
119	1	K5	
120	2	A0	
121	4	F0	
122	1	A5	
123	1	K7	
124	1	K5	
125	1	A3	

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MF 7914

126	1	A2	
127	1	K0	
128	2	A0	
129	3	K2	
130	4	A0	
131	1	A	
132	2	F5	
133	4	B9	
134	3	B9	
135	4	A2	Chart 52
136	3	A0	
137	1	A	
138	4	A0	
139	1	M	
140	1	A	
141	2	A0	
142	3	A2	
143	3	A0	
144	3	A3	
145	1	K5	
146	3	G5	
147	1	A5	
148	2	F2	
149.	2	A3	
150	4	G0	

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MF 7914

151	2	A0	chart 52
152	Omit.		2 stars not well separated.
153	2	A2	
154	4	F2	
155	1	K2	
156	1	F0	
157	3	F0	
158	1	A	
159	2	2 stars in line. Omit	
160	2	B9	
161	3	F2	
162	1	K5	
163	3	K0	
164	3	F8	
165	3	F8	
166	3	A2	
167	4	B9	
168	2	A7	chart 6
169	2	B9	
170	3	F5	
171	1	K0	
172	5	A2	
173	1	K5	
174	2	B9	
175	1	A2	checked on chart 4 a.j.c.

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MF 7914

176	2	B8	checked on Chart 4 a.j.c.
177	1	A	" " "
178	2	B9	" " "
179	4	B8	" " "
180	1	A	chart 5 2
181	3	A2	
182	a jump. ~~[illegible]~~ Central star of 3 = a		
183	2	A0	
184	3	G0	
185	1	A0	
186	3	A0	
187	1	K0	
188	1	A3	
189	4	F5	
190	1	A	
191	2	F0	
192	1	A3	
193	4	B8	
194	3	a3	the mixture of 2
195	4	B5	
196	2	B9	
197	2	A0	
198	3	A2	
199	4	B8	
200	4	B9	

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MF 7914

MM

Chart 52

201	4	K0
202	3.	B9
203	3	A7
204	3	B2
205	4	A2
206	1	A2
207	2	A0
208	1	F5
209	3	B9
210	3	B8
211	omit	
212	3	A0
213	2	A0
214	1	F2
215	2	B9
216	1	A5
217	2	A0
218	2	B8
219	2	B9
220	1	G0
221	1	B9
222	1	B8
223	1	A5
224	1	A2
225	2	A0

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MF 7914

226	1	A	
227	—		omit. too ft.
228	1	K0	
229	2	A2	
230	1	G	
231	3	A3	
232	3	A5	
233	4	A7	
234	1	K0	
235	1	A2	
236	3	B9	
237	—		omit
238	1	K5	
239	2	K2	
240	2	A0	
241	1	A2	
242	3	A2	
243	3	F5	
244	2	F2	
245	2	A0	
246	2	A2	
247	2	K2	
248	2	A5	
249	2	B8	Reject: Very hazy. Perhaps Comp. Omit.
250	3	B8	

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MF 7914

251	1	G5	chart 48
252	2	B9	
253	2	A0	
254	2	B9	
255	2	B8	
256	3	A0	
257	2	A0	
258	3	A2	
259	1	F8	
260	2	A0	
261	4	F2	
262	2	A0	
263	3	A2	
264	1	K7	
265	2	A2	
266	3	F0	chart 42
267	2	G0	
268	1	A0	
269	2	A0	
270	2	A2	
271	1	K5	
272	2	F8	
273	1	K7	
274	2	F0	
275	3	F0	

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MF 2914

276	2	K5	chart 48
277	2	A2	
278	2	B9	
279	2	A5	
280	1	K7	very fnt. Omit
281	1	M	very fnt. "
282	1	B9	
283	2	A0	
284	3	A0	
285	2	A5	
286	2	B8	
287	3	A7	
288	1	A	
289	2	K7	
290	2	A2	
291	3	M1	
292	1	G	
293	1	K0	
294	3	A2	
295	2	A0	
296	3	G0	
297	3	A7	
298	4	A0	? 2 stars
299	1	K5	
300	2	A3	

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MF7914

MM

301	1	A3	chart 48
302	3	A3	
303	4	A0	
304	2	K0	
305	2	A2	
306	2	K5	
307	2	B8	
308	1	A5	
309	1	A	
310	3	A2	
311	4	B5	
312	1	G	
313	2	A2	
314	4	G5	
315	3	A2	
316	3	F5	
317	2	A0	
318	3	B8	
319	2	A0	
320	2	B9	
321	3	K0	
322	2	K0	
323	2	A3	between 2 br. stars
324	1	B9	
325	4	A2	

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MF 7914

	326	2	A0	
	327	4	B8	
	328	3	A0	chal 49
	329	3	A2	
	330	2	A3	
	331	3	A3	
	~~334~~ 332	3	A0	
	~~335~~ 333	2	G0	
	~~336~~ 334	3	A7	
	~~337~~ 335	1	A	
	~~338~~ 336	1	A	
	~~339~~ 337	1	A	
	~~340~~ 338	2	A2	
	~~341~~ 339	3	F5	
	~~342~~ 340	1	a	look up Bright on [illegible]
341	~~343~~	1	A	
	~~343~~ 342	2	A2	
	343	!	a a	look up Two superposed
	344	2	A5	
	345	3	F5	
	346	1	A	
	347	2	B9	
	348	3	A5	
	349	2	A0	
	350	1	A0	

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351	3	B3	
352	3	A0	
353	4	A2	
354	4	B9	
355	1	A	chart 43
356	2	B9	
357	2	A0	
358	1	A	
359	~~2~~ 1	K0 ~~A0~~	
360	2	A0	
361	3	B9	
362	4	A0	
363	1	F0	K not very strong. Better A2
364	2	A0	
365	1	F0	
366	2	F5	chart 49
367	3	A0	
368	4	A2	
369	1	A	
370	2	B9	
371	2	A2	
372	2	A5	
373	2	K2	
374	3	F8	
375	1	A3	

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376	1	K0	
377	1	A	Omit too ft.
378	1	A3	" " "
379	2	A3	
380	2	F2	
381	3	A0	chal 48
382	3	A3	
38$\overset{3}{8}$	3	B8	
384	2	B9	
385	2	A3	
386	3	A	lines very wide. Double? Other star near but rather ft.
387	3	A0	
388	1	K7	
389	2	A5	
390	2	F5	
391	2	A2	
392	2	B9	
393	1	K5	
394	2	B9	
395	1	A2	
396	2	F0	
397	3	A0	
398	1	K5	
399	3	A2	
400	1	B9	

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MM

401	2	A2	Chal 48
402	2	B9	
403	1	A	lines wide
404	4	B8	
405	3	G0	
406	2	A0	
407	2	A2	
408	4	A2	
409	2	A0	
410	2	K5	
411	2	G0	
412	1	K5	
413	2	A0	
414	3	A3	
415	2	K0	
416	1	A	
417	2	B9	
418	2	A0	
419	2	B9	
420	1	G	
421	3	A3	
422	2	B9	
423	4	A2	
424	1	K5	
425	3	A2	

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426	3	K5	
427	3	G5	chart 52
428	3	A0	
429	4	F0	
430	2	A0	
431	2	A2	
432	4	A5	
433	4	A2	
434	3	A0	
435	4	A0	
436	2	F2	
437	2	A3	
438	3	B9	
439	4	A0	
440	3	A3	
441	1	A	
442	4	B8	
443	1	F8	
444	4	F5	
445	4	G5	
446	2	K0	chart 53
447	2	A5	
448	4	F0	
449	3	B9	
450	1	K0	

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M M

451	2	G5	
452	2	A	br. ? group Omit.
453	1	A2	
454	2	F2	
455	2	A5	
456		———	omit
457	2	K5	
458	2	B8	
459	3	F5	
460	3	A2	
461	2	F2	
462	2	K5	
463	2	A3	
464	2	F8	
465	2	K0	
466	2	F	
467	2	A7	
468	2	A0	
469	~~2~~ 1	F0 ~~K0~~	
470	2	B9	
471	3	F0	2 stars. which? Preceding of 2
472	1	A2	
473	3	B3	
474	1	K2	
475	4	B8	

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476	1	K2	
477	1	A2	
478	1	K0	
479	2	A0	
480	3	B8	
481	2	A2	
482	3	B9	
483	1	A0	
484	1	A3	
485	4	B5	3 stars. which ?
486	1	A2	
487	3	B8	
488	5	A0	
489	2	B9	
490	2	K0	
491	2	F0	
492	2	B9	
493	2	A5	
494	1	G	
495	1	F2	
496	2	G5	Chart 48
497	1	A5	
498	1	G0	
499	2	B9	
500	2	B8	

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MM

501	1	F8	chart 53
502	1	G0	
503	1	K5	
504	3	A0	
505	3	B9	
506	2	F0	
507	3	A0	
508	1	A	
509	2	A2	
510	2	A5	
511	3	K0	
512	2	A3	
513	3	K2	
514	3	B5	
515	4	A0	
516	3	F0	
517	2	F8	
518	3	B8	
519	1	K7	
520	1	G0	
521	2	B1	
522	3	A5	
523		—	omit
524	1	A2	
525	4	A0	

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526	2	A0
527	2	A0
528	3	B8
529	2	K5
530	3	B9
531	3	G0
532	3	A0
533	2	F0
534	3	A0
535	3	F8
536	2	A0
537	2	K0
538	2	K7
539	4	G0
540	2	A0
541	2	K0
542	2	A2
543	2	G0
544	2	B9
545	4	A2
546	2	G0
547	3	B9
548	3	A2
549	2	A
550	2	A3

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551	2	B5	2 stars. which?
552	1	A2	
553	2	A7	
554	5	F8	
555	5	A7	
556	4	G0	
557	—	G0	~~omit a group~~, cf. sup. at 7/.
558	1	A3	
559	1	A	
560	2	G0	
561	4	A2	
562	3	B8	
563	1	K0	
564	3	G0	
565	1	K7	
566	2	M0	
567	2	B9	
568	2	B8	
569	1	A2	
570	3	G5	
571	2	K2	
572	4	A0	
573	1	G0	
574	4	A2	
575	5	A0	

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576	2	A2	
577	1	B9	
578	3	F5	
579	3	B8	
580	1	A5	
581	2	A0	
582	3	B5	
583	2	A3	
584	2	A0	
585	2	A0	
586	3	B8	
587	3	B0	
588	2	A3	
589	2	A2	
590	1	A	
591	~~2~~3	A2	
592	2	A0	
593	3	G0	
594	2	K5	
595	2	A	Omit. Binary.
596	3	B3	
597	3	A0	
598	3	A0	
599	3	A0	
600	3	B8	

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MM

601	2	B9		chart 14
602	3	A2		
603	1	K0	Better K5	
604	3	A0		
605	2	K5		
606	2	F5		chart 52
607	1	A2		
608	3	A2		
609	1	A		
610	2	A2		
611	1	F2	prec. of group?	
612	3	A0		
613	1	G5		
614	1	A		
615	3	A0		
616	1	A		
617	1	K2		
618	1	A0		
619	1	B9		
620	2	F5	prec. of 2	
621	1	A		
622	1	A		
623	3	A2		chart 14
624	3	F5		
625	1	A0		

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626	3	B9	
627	2	A0	
628	1	K0	
629	3	A2	
630	3	K2	
631	3	G0	
632	2	B8	
633	1	K7	
634	2	B9	
635	3	K5	
636	2	F0	
637	3	A7	Chart 52
638	1	A	
639	1	A3	
640	3	B8	
641	3	G0	
642	2	A0	
643	2	M0	
644	1	K0	
645	2	B9	
646	2	G0	Chart 14
647	1	A5	
648	2	B9	
649	3	A3	
650	3	A0	

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Chart ~~52~~ 14

651	2	B9
652	2.	K5
653	3	B9
654	3	A0
655	3	A0
656	1	G
657	3	K7
658	3	A0
659	4	A5
660	3	A2
661	2	F8
662	2	B8
663	4	B9
664	3	A0
665	2	A2
666	1	M0
667	2	F8
668	1	A0
669	3	B5
670	1	K0
671	3	F8
672	2	G0
673	3	A3
674	2	A3
675	3	B8

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676	2	G5	
677	2	A0	
678	3	A0	northern
679	3	A2	
680	2	A3	
681	2	A0	
682	2	F0	
683	3	A2	
684	3	A5	
685	3	F2	
686	3	B3	
687	3	A5	
688	2	A2	
689	3	B8	
690		—	omit
691	1	F2	
692	2	A0	
693	2	A2	
694	3	B9	
695	3	B5	
696	4	A2	
697	4	A0	
698	3	B3	
699	2	G5	
700	1	G5	

15	3	K0	28	4	K0	64	14
16	3	K2	29	3	K2	64	13
17	4	G0	30			4	18
18	2	F5–	31			4	13
19	1	K5–	32			4	7
20	1	K7	33			4	24
21	2	G0	34				
22	4	K0					
23	2	K7					
24	3	F8					
25	2	G0					
26	3	F5–					
27	2	F5–					

entleford

1280 a	-64° 499	5	56.2	-64	14
83 a	-64° 498	5	55.8	-64	13
84 a	-64° 500	5	57.4	-64	18
85 a	-64° 506	5	58.4	-64	13
86 a	-64° 501	5	57.6	-64	7
95 a	-64° 517	6	6.7	-64	24

lentifard

15 – Not in CPD
16 – " " "
17 – 67° 336 4 37.5 – 67 57
18 – 67° 337 4 37.~~5~~8 – 67 33
19 – Not in CPD
20 – " " "
21 – " " "
22 – 69° 280 4 33.8 – 69 35
23 – Not in CPD
24 – 70° 308 4 31.1 – 70 32
25 – Not in CPD
26 – 71° 268 4 ~~29.5~~ 30.2 – 71 3
27 – 71° 267 4 29.~~5~~6 – 71 44
28 – 72° 306 4 29.1 – 72 16
29 – Not in CPD

lentiford

9972

	FC	MM	mean
1250a	11.3	11.6	11.4
83a	11.2	11.3	11.2
84a	10.3	10.5	10.4
85a	9.7	10.1	9.9
86a	10.9	11.2	11.0
95a	10.2	10.6	10.4

9982

15	11.1, 11.4	11.6, 11.3	11.4
16	10.9	11.2	11.0
17	9.8	9.7	9.8
18	10.5	10.6	10.6
19	11.3	11.7	11.5
20	11.7	12.0	11.8
21	10.9	11.1	11.0
22	10.8, 10.6	10.3, 10.4	10.5
23	11.0	11.0	11.0
24	10.6	10.2	10.4
25	10.9	10.7	10.8
26	10.4	10.1	10.2
27	10.6	10.8	10.7
28	10.1	10.1	10.1
29	10.9	10.7	10.8

entified

280a	-64° 499	5	56.2 -64	14	10.1
83a	-64° 498	5	55.8 -64	13	10.0
84a	-64° 500	x 5	57.4 -14	18	9.6
85a	-64° 506	5	58.4 -64	13	9.3
86a	-64° 501	5	57.6 -64	x7	9.9
95a	-64° 517	6	6.7 -64	24	10.0

1295a	(2)	F0
1283a	2	K2
1280a	2	F5
1284a		F8
1285a		F2
1286a		G5

Record
Have identified

MF 9982

15	Not in CPD	4	39.9		-68	13		✓
16	" " "	4	39.3		-68	3		✓
17	-67° 336	4	37	30.3	-67	57.3	9.4	✓
18	-67° 337	4	37	47.0	-67	33.0	9.5	? ✓
19	Not in CPD	4	38.2		-67	22		✓
20	" " "	4	41.1		-67	0		✓
21	" " "	4	34.0		-69	28		✓
22	-69° 280	4	33	48.5	-69	34.6	9.5	✓
23	Not in CPD	4	33.4		-69	33		✓
24	-70° 308	4	31	4.0	-70	31.8	9.6	✓
25	Not in CPD	4	31.4		-70	37		✓
26	-71° 268	4	30	12.0	-71	2.7	9.6	? ✓
27	-71° 267	4	29	34.0	-71	43.9	9.7	? ✓
28	-72° 306	4	29	8.0	-72	16.0	9.4	✓
29	Not in CPD	4	27.8		-72	15		✓