



82-78150

Jan 2, 1931
combs fin: 186, 214

D.C

701	4	G ₀
702	2	K ₅
703	4	K ₀
704	5	F ₈
705	2	G ₀
706	2	G ₅
707	2	G ₀
708	2	A ₅
709	1	F ₈
710	3	F ₈
711	3	G ₅
712	4	F ₅
713	6	A ₇
714	4	A ₂
715	3	A ₀
716	3	K ₀
717	1	G ₅
718	1	M ₀
719	2	F ₈
720	4	A ₀
721	2	G ₀
721a	1	G ₀
722	1	G ₇
723	3	A ₅
724	5	K ₀
725	1	K ₀

K looks faint. comp?

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701 +39°	777	3 ^h	15.2	+39°	2	9.2	Not
702 +39°	776	3	15.2	+39	10	9.3	Not in sm. ^{Assuming a very slight}
703 +39	779	3	15.5	+39	31	9.1	✓
704 +39	780	3	15.6	+39	38	8.8	✓
705 +40	785	3	15.5	+40	2	9.4	✓
706							Not in sm.
707 +40	742	3	16.2	+40	6	9.5	Not in sm.
708 +39	782	3	16.3	+39	57	8.8	✓
709							Not in sm.
710 +40	743	3	16.6	+40	14	9.2	✓
711 +40	745	3	16.9	+40	3	9.4	✓
712 +40	746	3	17.1	+40	19	9.1	✓
713 +40	747	3	17.2	+40	18	8.8	✓
714 +39	785	3	17.6	+39	58	9.3	✓
715 +39	787	3	18.1	+39	46	9.5	✓
716 +39	786	3	17.8	+39	37	9.0	✓
717 +40	753	3	18.3	+40	6	9.4	✓
718 +40	752	3	18.2	+40	15	9.5	✓
719 +40	749	3	17.4	+40	29	9.4	✓
720 +40	751	3	17.7	+40	33	9.3	✓
721							Not in sm.
722 +40	758	3	18.9	+40	32	9.5	✓
723 +40	759	3	19.1	+40	13	9.5	✓
724 +40	762	3	19.3	+40	8	8.3	✓
725 +40	761	3	19.2	+40	16	9.5	✓

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D.C.

726	2	F5
727	1	G5
728	1	F5
729	5	F2
730	3	A3
731	3	K0
732	2	A0
733	1	K5
734	1	F0
735	1	K2
736	1	F0
737	1	K0
738	1	A0
739	1	A5
740	4	F2
741	2	K5
742	3	A3
743	3	K7
744	2	A2
745	1	M0
746	2	G0
747	3	F8
748	2	K7
749	4	G0
750	2	F7

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726							Not in Sm.
727							Not in Sm.
728							Not in Sm.
729 +39 ⁰	795	3 ^h	20.7	+39 ⁰	36 ¹	8.6	✓
730 +39	798	3	21.1	+39	42	9.3	✓
731 +39	799	3	21.1	+39 ⁹	49	8.9	✓
732 +38	738	3	21.7	+38	0	9.5	✓
733 +39	803	3	22.2	+39	9	9.5	✓
734							Not in Sm.
735							Not in Sm.
736							Not in Sm.
737 +39	805	3	22.9	+39	18	9.5	✓
738							Not in Sm.
739							Not in Sm.
740 +39	808	3	23.4	+39	24	9.2	✓
741 +39	809	3	23.6	+39	23	9.3	✓
742 +39	804	3	22.6	+39	41	9.5	✓
743 +39	806	3	23.1	+39	51	9.1	✓
744							Not in Sm.
745 +39	807	3	23.4	+39 ⁴⁰	0	9.5	✓
746 +40	777	3	23.4	+40	8	9.4	✓
747							Not in Sm.
748 +39	810	3	24.0	+39	50	9.5	✓
749 +39	812	3	24.3	+39	45	8.9	✓
750 +40	785	3	24.4	+40	2	9.2	✓

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D.C.

751	2	λF_8
752	2	λK_2
753	1	F_5
754	4	F_5
755	3	A_0
756	1	A_7
757	1	F_5
758	5	A_2
759	3	A_3
760	2	K_0
761	4	A_0
762	3	F_2
763	3	H_5
764	2	K_2
765	1	K_7
766	3	K_5
767	5	F_2
768	1	K_5
769	1	K_7
770	2	H_0
771	5	K_2
772	1	H_5
773	2	A_2
774	2	H_5
775	1	K_2

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751	+39°	814	3	24.8	+39°	46'	9.4	
752	+39	815	3	25.0	+39	28	9.4	
753								Not in Sm.
754	+38	744	3	25.0	+38	42	8.9	
755	+38	746	3	25.2	+38	24	9.4	
756								Not in Sm.
757								Not in Sm.
758	+38	748	3	25.2 ⁴	+38	58	8.7	
759								Not in Sm.
760	+38	750	3	26.0	+38	54	9.2	
761	+38	752	3	26.1	+38	50	9.4	
762	+38	754	3	26.2	+38	46	9.3	
763								
764	+38	755	3	26.3	+38	22	9.3	
764								Not in Sm.
765								Not in Sm.
766	+38	757	3	26.6	+38	33	9.3	
767	+38	762	3	27.0	+38	42	9.0	
768								Not in Sm.
769	+39	821	3	26.2	+39	1	9.5	
770								Not in Sm.
771	+39	822	3	26.4	+39	6	8.7	
772								Not in Sm.
773								Not in Sm.
774	+39	817	3	25.8	+39	18	9.5	
775	+39	819	3	26.0	+39	18	9.5	

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D.C.

776 2 K7

777 1 K0

778 1 A0

779 2 K0

780 1 K5

781 2 Y5

782 1 M0

783 2 Y5

784 1 Y0

785 3 Y0

786 1 F8

787 1 Y0

788 1 A0

789 3 F8

790 1 Y5

791 3 Y5

792 5 F8

793 4 A2

794 1 M0

795 3 F5

796 1 K

797 3 F8

798 3 A0

799 1 F8

800 3 A3

Orion. 2 stars in line of dec.

Foll. of 2 stars

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776 +39°	820	3	26.1	+39°	25'	9.1	✓
777							Not in Dm.
778							Not in Dm.
779 +39	826	3	26.8	+39	4	9.5	Not
780							Not in Dm.
781 +39	827	3	27.6	+39	16	9.3	✓
782 +39	828	3	27.7	+39	17	9.4	✓
783 +38	764	3	27.7	+38	57	9.5	✓
784 +39	831	3	28.2	+39	2	9.5	✓
785 +39	830	3	28.1	+39	44	9.5	✓
786							Not in Dm.
787							Not in Dm.
788							Not in Dm.
789 +39	833	3	29.1	+39	13	8.9	✓
790 +39	834	3	29.2	+39	5	9.4	✓
791 +38	769	3	29.3	+38	58	9.3	✓
792 +38	772	3	29.6	+38	54	8.8	✓
793							Not in Dm.
794 +39	835	3	29.9	+39	10	9.3	✓
795							Not in Dm.
796 +38	775	3	30.7	+38	53	9.5	✓
797 +38	774	3	30.6	+38	59	9.0	✓
798 +39	837	3	30.3	+39	20	9.4	✓
799							Not in Dm.
800							Not in Dm.

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D.C.

801	4	A2
802	5	A0
803	2	K7
804	2	K7
805	1	K0
806	4	A2
807	1	G5
808	2	F8
809	1	K7
810	2	A0
811	1	K
812	3	G0
813	2	F8
814	1	A3
815	2	A2
816	3	F5
817	2	K0
818	1	G0
819	6	F8
820	5	F5
821	1	A
822	1	A5
823	1	G
824	1	M0
825	2	G5

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801 +39°	839	3 ^h	31.5	+39°	20'	9.3	✓
802 +39	840	3	31.6	+39	18	9.4	✓
803 +39	841	3	31.7	+39	22	9.3	✓
804 +39	842	3	31.8	+39	5	9.4	✓
805 +39	843	3	31.9	+39	18	9.4	✓
806 +39	838	3	31.4	+39	40	9.4	✓
807							Not in sm.
808							Not in sm.
809							Not in sm.
810							Not in sm.
811							Not in sm.
812 +40	814	3	31.3	+40	15	9.4	✓
813							Not in sm.
814							Not in sm.
815							Not in sm.
816							Not in sm.
817 +39	845	3	32.5	+39	46	9.4	✓
818							Not in sm.
819 +39	846	3	33.3	+39	26	8.8	✓
820 +38	790	3	32.8	+38	58	8.8	✓
821							Not in sm.
822							Not in sm.
823							Not in sm.
824							Not in sm.
825							Not in sm.

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D.C.

²⁶ 822	2	78
827	2	K0
828	2	K2
829	1	K7
830	1	K5
831	1	K5
832	1	K0
833	1	M5
834	1	M
835	2	M0
836	2	A0
837	2	K0
838	1	M
839	1	K
840	3	B8
841	1	M5
842	4	F5
843	1	K0
843 ²	2	S9
844	2	A2
845	2	F0
846	1	F8
847	1	F5
848	1	A5
849	5	M0
850	1	M5

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826 +38°	793	3	33.5	+38°	58'	9.5	✓	Not in Sm.
827								
828 +39	848	3	34.1	+39	10	9.4	✓	
829 +38	795	3	34.4	+38	56	9.3	✓	
830								Not in Sm.
831 +38	796	3	34.6	+38	51	9.4	✓	
832 +38	797	3	34.8	+38	48	9.4	✓	
833 +38	798	3	35.1	+38	58	9.4	✓	
834								Not in Sm.
835 +39	849	3	34.5	+39	28	9.5	✓	
836 +39	850	3	34.7	+39	27	9.5	✓	
837 +39	847	3	34.0	+39	55	9.5	✓	
838 +40	826	3	34.5	+40	11	9.5	✓	
839								Not in Sm.
840 +39	851	3	35.4	+39	58	9.3	✓	
841								Not in Sm.
842 +40	829	3	35.7	+40	3	8.8	✓	
843 +39	853	3	36.1	+39	33	9.4	✓	
844 +39	854	3	36.2	+39	43	9.5	✓	
845 +39	855	3	36.3	+39	38	9.4	✓	
846 +39	856	3	36.4	+39	35	9.5	✓	
847								Not in Sm.
848								Not in Sm.
849 +39	858	3	37.2	+39	8	9.0	✓	
850								Not in Sm.

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D.C.

851	2	K7
852	1	H5
853	4	F5
854	1	A2
855	6	K0
856	2	A3
857	6	F2
858	2	F2
859	1	A5
860	3	F8
861	3	A0
862	1	K0
863	1	F0
864	2	A0
865	1	H5
866	3	K0
867	3	F5
868	4	H5
869	5	F2
870	1	A
871	4	A0
872	1	H
873	3	A0
874	2	F8
875		

omit. 2 stars

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851 +39°	859	3 ^h	37.4	+39°	26'	9.3	✓
852							Not in Sm.
853 +39	861	3	38.0	+39	14	9.0	✓
854							Not in Sm.
855 +39	862	3	38.1	+39	23	8.5	✓
856 +39	866	3	38.9	+39	11	9.4	✓
857 +40	831	4	36.6	+40	2	8.5	✓
858							Not in Sm.
859							Not in Sm.
860 +39	860	3	37.6	+39	44	9.4	✓
861							Not in Sm.
862							Not in Sm.
863 +40	832	3	37.8	+40	4	9.5	✓
864 +39	863	3	38.2	+39	54	9.4	Not in Sm.
865 +39	863	3	38.2	+39	54	9.4	Not in Sm.
866 +39	865	3	38.8	+39	47	9.0	✓
867 +39	867	3	39.1	+39	44	9.4	✓
868 +39	868	3	39.7	+39	48	9.2	✓
869 +39	869	3	39.7	+39	58	9.1	✓
870 +39	870	3	40.1	+39	52	9.5	✓
871 +39	871	3	40.2	+39	57	9.4	✓
872							Not in Sm.
873 +39	872	3	40.5	+39	30	9.5	✓
874							Not in Sm.
875							

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M78150

D.C.

876	1	F
877	1	A5
878	4	K2
878a	1	K2
879	5	K0
879a	1	K0
880	3	A2
881	6	G0
882	1	M0
883	6	K0
884	2	G0
885	4	F5
886	6	A0
887	7	A2
888	6	K0
889	2	A5
890	1	G5
891	1	G
892	1	K0
893	3	F8
894	1	G
895	3	G0
896	2	G5
897	7	A5
898	7	A0
899	1	A F2
900	2	G0

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876 +38°	813	3	41.3	+38°	56'	9.4	✓
877							✓ not in Sm.
878 +39	876	3	42.3	+39	19	9.0	✓
879 +39	879	3	42.8	+39	24	9.0	✓
880 +39	882	3	43.1	+39	33	9.1	✓
881 +39	881	3	42.9	+39	40	8.5	✓
882 +39	874	3	42.1	+39	49	9.0	✓
883 +39	878	3	42.4	+39	49	8.3	✓
884 +40	845	3	^{42.0} 41.9	+40	10	9.3	✓
885 +40	849	3	42.7	+40	34	9.0	✓
886 +40	850	3	42.8	+40	36	8.8	✓
887 +40	851	3	43.2	+40	46	8.8	✓
888 +40	853	3	44.0	+40	54	8.7	✓
889 +39	883	3	43.7	+39	30	9.4	✓
890							✓ not in Sm.
891							✓ not in Sm.
892 +39	885	3	44.4	+39	10	9.5	✓
893 +38	818	3	44.3	+38	36	9.4	✓
894							✓ not in Sm.
895 +38	817	3	43.6	+38	30	9.0	✓
896							✓ not in Sm.
897 +38	819	3	44.5	+38	7	8.0	✓
898 +38	820	3	44.5	+38	6	8.3	✓
899 +37	839	3	44.7	+37 ⁸	0	9.3	✓
900							✓ not in Sm.

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177.8150

F.c.

901	1	K5
902	6	A2
903	1	G5
904	2	A3
905	3	K5
906	3	G5
907	1	K7
908	4	A2
909	4	K0
910	6	K0
911	3	A0
912	3	F2
913	2	F5
914	5	G0
915	2	F5
916	1	K7
917	1	A
918	1	G5
919	2	K5
920	4	A0
921	4	B9
922	1	F5
923	4	G5
924	2	K7
925	2	K0

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901 +35°	654	3	6.6	+35°	1	9.4	✓
902 +35	656	3	7.1	+35	14	8.8	✓
903							hot in Dm.
904							hot in Dm.
905 +35	650	3	5.4	+35	21	9.5	✓
906 +35	648	3	5.2	+35	30	9.5	✓
907							hot in Dm.
908 +35	649	3	5.2	+35	56	9.1	✓
909							hot in Dm.
910 +36	666	3	6.6	+36	9	7.5	✓
911 +36	671	3	7.7	+36	23	9.3	✓
912 +35	658	3	7.6	+35	50	9.2	✓
913 +35	657	3	7.6	+35	33	9.5	✓
914 +35	659	3	7.9	+35	25	9.0	✓
915							hot in Dm.
916 +35	661	3	8.8	+35	42	9.5	✓
917							hot in Dm.
918 +35	662	3	9.4	+35	22 24	9.5	✓
919 +35	665	3	10.1	+35	27	9.3	✓
920 +35	664	3	9.8	+35	36	9.5	✓
921 +35	666	3	10.2	+35	48	9.5	✓
922							hot in Dm.
923 +35	668	3	11.0	+35	38	8.8	✓
924 +36	672	3	9.0	+36	17	9.0	✓
925 +36	673	3	9.4	+36	18	9.1	hot in Dm.

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m 8150

F.C.

926	3	G5
927	4	G0
928	2	F8
929	4	K2
930	4	A0
931	3	A2
932	1	K7
933	4	K0
934	1	K0
935	1	G5
936	3	K0
937	1	G5
938	2	G0
939	3	A2
940	4	G0
941	4	A3
942	3	A3
943	7	K0
944	2	F8
945	3	G0
946	1	F2
947	7	F2
948	2	M0
949	1	F
950	3	F8

I 26520

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926 +36°	674	3 ^h	9.6	+36°	19'	9.3	✓
927							✓ not in sm.
928							✓ not in sm.
929 +36	678	3	11.1	+36	9	9.2	✓ not in sm.
930							✓ not in sm.
931 +36	680	3	11.6	+36	3	9.5	✓
932 +36	679	3	11.2	+36	18	9.3	✓
933 +36	681	3	11.6	+36	17	9.3	✓
934							✓ not in sm.
935							✓ not in sm.
936 +36	683	3	13.0	+36	31	9.5	✓
937							✓ not in sm.
938							✓ not in sm.
939 +36	682	3	12.1	+36	30	9.5	✓
940 +36	677	3	10.8	+36	44	9.3	✓
941 +36	675	3	10.1	+36	43	9.3	✓
942							✓ not in sm.
943 +37	752	3	9.2	+37	1	7.9	✓
944							✓ not in sm.
945 +37	750	3	9.2	+37	11	9.2	✓
946							✓ not in sm.
947 +37	756	3	9.9	+37	14	8.2	
948 +37	754	3	9.8	+37	3	9.2	✓
949							✓ not in sm.
950							✓ not in sm.

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m 78150

F. C.

951	1	m0
952	2	K7
953	5	A2
954	3	K5
955	8	F0
956	1	m
957	2	Fp
958	4	A5
959	1	K0
960	1	G5
961	4	F8
962	2	K
963	3	A3
964	4	G0
965	1	K
966	3	G5
967	4	K0
968	1	G0
969	5	A3
970	2	F5
971	6	F5
972	4	K0
973	2	F0
974	2	G0
975	1	F8

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I 26520

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951							Phot in Sm.
952 +37°	748	3 ^h	8.7	+37°	42'	9.3	✓
953 +37	749	3	9.1	+37	48	9.2	✓
954 +37	755	3	9.8	+37	59	9.1	✓
955 +37	757	3	11.0	+37	53	8.9	✓
956							Phot in Sm.
957							Phot in Sm.
958 +37	758	3	11.8	+37	2	9.2	✓
959							Phot in Sm.
960							Phot in Sm.
961							Phot in Sm.
962							Phot in Sm.
963							Phot in Sm.
964							Phot in Sm.
965							Phot in Sm.
966 +38	715	3	14.8	+38	6	9.5	✓
967 +38	716	3	14.8	+38	13	9.3	✓
968							Phot in Sm.
969 +38	714	3	14.6	+38	25	9.3	✓
970 +38	713	3	14.2	+38	11	9.5	✓
971 +38	712	3	14.0	+38	16	8.7	✓
972 +38	708	3	13.6	+38	14	9.0	✓
973 +38	705	3	12.6	+38	5	9.5	✓
974							Phot in Sm.
975							Phot in Sm.

24

Feb. 3, 1931

m J 8,50

F.C.

976	3	A ₀
977	1	G ₀
978	2	A ₇
979	2	G ₅
980	4	A ₅
981	5	A ₂
982	3	K ₀
983	4	G ₀
984	1	G
985	1	M ₀
986	2	A ₀
987	2	K ₇
988	3	K ₂
989	1	F ₅
990	1	K
991	2	K ₀
992	1	K ₅
993	3	A ₅
994	5	K ₂
995	4	K ₅
996	2	F ₀
997	7	A ₀
998	4	M ₀
999	1	K ₅
1000	5	A ₀

Cont. in bk. 128, 32

I 26580

Feb. 17, 1931

966							Not in dm.
977							Not in dm.
978 +38	695	3	^m 10.7	+38°	21	9.5	✓
979 +38	694	3	10.7	+38	14	9.2	✓
980 +38	69700	3	11.7	+38	31	9.1	✓
981 +38	703	4	12.2	+38	26	9.2	✓
982 +38	702	3	12.2	+38	52	9.4	✓
983 +38	704	3	12.5	+38	42	9.1	✓
984							Not in dm.
985 +38	706	3	12.9	+38	32	9.5	✓
986							Not in dm.
987 +38	709	3	13.6	+38	33	9.3	✓
988 +38	707	3	13.6	+38	46	9.2	✓
989 +38	711	3	13.9	+38	41	9.5	✓
990							Not in dm.
991							Not in dm.
992							Not in dm.
993							Not in dm.
994 +39	774	3	14.3	+39	0	8.9	✓
995 +38	710	3	13.7	+38	55	9.1	✓
986							Not in dm.
987 +39	767	3	13.0	+39	4	9.0	✓
988 +39	764	3	12.3	+39	3	9.0	✓
989 +39	761	3	11.9	+39	31	9.5	✓
1000 +39	759	3	11.2	+39	15	9.4	✓

M 7100-14

S.C.

Jan. 7, 1931
M 7100.4 cmh. from 185-56

701	3	A2
702	2	F5
703	4	F8
704	2	A0
705	2	A3
706	2	G0
707	3	F8
708	1	K7
709	2	K7
710	1	A0
711	4	G0
712	6	A0
713	1	G5
714	3	G5
715	1	G5
716	5	F5
717	2	K0
718	4	K2
719	3	G5
720	4	G0
721	4	F8
722	5	K0
723	6	G0
724	2	F5
725	4	A2

I 417A5

Feb. 7, 1931

701	+36°	847	4	3.2	+36°	50'	9.5	✓	
702									hot in sm.
703									hot in sm.
704									hot in sm.
705									hot in sm.
706									hot in sm.
707	+37	898	4	5.2	+37	13	9.3	✓	
708									hot in sm.
709									hot in sm.
710									hot in sm.
711	+37	901	4	5.4	+37	26	9.0	✓	
712	+37	900	4	5.3	+37	26	9.0	✓	
713									hot in sm.
714									hot in sm.
715									hot in sm.
716	+37	895	4	2.9	+37	37	9.0	✓	
717									hot in sm.
718	+38	855	4	2.9	+38	25	9.1	✓	
719	+38	856	4	3.1	+38	34	9.4	✓	
720	+38	857	4	3.2	+38	14	9.2	✓	
721	+38	858	4	3.5	+38	23 22	9.4	✓	
722	+38	859	4	3.8	+38	9	9.0	✓	
723	+38	860	4	4.3	+38	18	9.1	✓	
724									hot in sm.
725	+39	951	4	2.9	+39	5	8.7	✓	

Jan. 7, 1931

m 710014
L.C.

726	1	K ₀
727	7	A ₇
728	2	K ₀
729	1	H
730	4	F ₂
730	5	H ₀
732	3	H ₅
733	1	H ₅
734	1	H ₀
735	2	F ₀
736	3	H ₀
737	2	K ₅
738	2	F ₈
739	1	F ₀
740	1	A
741	2	F ₂
742	1	H ₅
743	5	A ₀
744	1	A ₃
745	1	H ₀
746	4	F ₈
747	2	A ₇
748	3	H ₅
749	1	F ₂
750	2	H ₀

I 41785

Feb. 7, 1931

726							Phot in Sm.
727 +39°	954	4	^h 3.7	+39°	42'	8.3	✓ Phot in Sm.
728							Phot in Sm.
729							Phot in Sm.
730 +38	³ 864	4	^u 5.4 4.9	+38	⁷ 20	9.0 8.9	✓
731 +38	862	4	4.9	+38	10	8.9	✓
732 +37	902	⁴ 4	5.7	+37	54	9.5	✓
733 +38	864	8	6.2	+38	10	9.5	✓
734							Phot in Sm.
735 +38	⁷ 866	4	7.0	+38	29	9.5	
736 +38	²¹ 869	4	6.0	+38	37	9.2	
737 +38	⁶ 865	4	6.2	+38	55	9.0	✓
738							Phot in Sm.
739							Phot in Sm.
740							Phot in Sm.
741							Phot in Sm.
742							Phot in Sm.
743 +37	904	4	8.5	+37	23	9.0	✓
744							Phot in Sm.
745							Phot in Sm.
746 +37	905	4	8.7	+37	8	9.2	✓
747							Phot in Sm.
748 +37	908	4	9.7	+37	10	9.4	✓
749							Phot in Sm.
750							Phot in Sm.

30

M710014

D.C.

Jan. 7, 1931

751	5	G ₀
752	1	G ₅
753	3	F ₈
754	2	G ₅
755	1	F ₅
756	1	F ₈
757	2	F ₂
758	3	A ₂
759	3	G ₀
760	2	G ₀
761	4	F ₀
762	1	A ₃ F
763	1	F ₈
764	2	F ₂
765	2	G ₅
766	6	G ₀
767	3	F ₅
768	1	K ₂
769	2	F ₈
770	1	A
771	1	A
772	3	A ₀
773	2	F ₂
774	1	F ₈
775	2	F ₅

Spectrum of 2

I 41785

Feb. 7, 1931

751 +37 ⁰	911	4	11.2	+37 ⁰	0'	8.9	✓
752							Phot in sm.
753 +37	910	4	10.8	+37	28	9.5	✓
754							Phot in sm.
755							Phot in sm.
756							Phot in sm.
757							Phot in sm.
758							Phot in sm.
759 +36	879	4	12.6	+36	59	9.5	✓
760 +37	915	4	13.6	+37	10	9.5	✓
761 +37	913	4	12.7	+37	27	9.3	✓
762							Phot in sm.
763							Phot in sm.
764							Phot in sm.
765							Phot in sm.
766 +37	907	4	9.4	+37	59	8.5	✓
767							Phot in sm.
768							Phot in sm.
769							Phot in sm.
770							Phot in sm.
771							Phot in sm.
772 +38	874	4	10.4	+38	48	9.5	✓
773							Phot in sm.
774							Phot in sm.
775 +38	871	4	9.4	+38	28	9.4	✓

mf10014
D.C.

Jan 7, 1931

776	2	A ₀
777	2	G ₀
778	2	G ₅
779	4	K ₀
780	3	A ₅
781	5	G ₅
782	2	K ₀
783	1	G
784	1	F ₅
785	1	K ₅
786	1	G ₀
787	3	G ₀
788	1	F
789	2	F ₅
790	1	G ₀
791	2	K ₂
792	5	F ₀
793	1	K ₂
794	3	F ₈
795	2	F ₅
796	1	G ₅
797	4	K ₀
798	4	G ₀
799	4	F ₈
800	6	G ₀

I 47P5

Feb. 7, 1931

776							Phot in Dm.
777	+38°	869	4 ^h	9.2	+38°	46	9.4 ✓
778	+38	870	4	9.2	+38	50	9.4 ✓
779	+38	872	4	9.7	+38	54	8.8 ✓
780							Phot in Dm.
781	+39	975	4	11.0	+39	45	9.3 ✓
782	+39	974	4	10.8	+39	54	9.5 ✓
783							Phot in Dm.
784							Phot in Dm.
785	+39	971	4	9.5	+39	37	9.5 ✓
786							Phot in Dm.
787	+39	969	4	9.4	+39	15	9.5 ✓
788							Phot in Dm.
789							Phot in Dm.
790							Phot in Dm.
791							Phot in Dm.
792	+39	967	4	8.6	+39	30	8.9 ✓
793	+39	966	4	8.6	+39	38	9.5 ✓
794	+39	964	4	7.2	+39	32	9.5 ✓
795	+39	963	4	6.9	+39	12	9.5 ✓
796							Phot in Dm.
797	+39	965	4	7.9	+39	53	8.9 ✓
798	+40	922	4	7.4	+40	2	9.4 ✓
799	+39	960	4	6.3	+39	55	9.5 ✓
800	+39	959	4	5.7	+39	48	8.9 ✓

34

Jan. 7, 1931

M710014

L.C.

801	3	B9
802	3	F8
803	1	F5
804	3	F5
805	4	F8
806	3	F5
807	3	F2
808	7	F5
808a	6	A2
809	4	A2
810	5	A2
811	1	F5
812	1	F8
813	1	H5
814	3	H5
815	3	A0
816	2	K7
817	3	F8
818	2	H5
819	5	H0
820	7	F8
821	1	A5
822	2	A3
823	2	K5
824	2	A
825	1	H5

H.D26498 ~~the~~ F2 certainly wrong.

Same as 13 04

I 41670

Feb. 10, 1935

801	+39°	958	4 ^h	5.3 ^m	+39°	52'	9.4	✓
802	+40	913	4	5.2	+40	12	9.1	✓
803								Not in Dm. ✓
804								Not in Dm. ✓
805	+39	957	4	4.4	+39	59	9.1	✓
806	+39	955	4	3.9	+39	59	9.3	✓
807	+39	953	4	3.6	+39 ⁴⁰	0	9.4	✓
808	+39	952	4	3.2	+39	59	8.1	✓
809	+39	950	4	2.3	+39	36	9.1	✓
810	+39	947	4	2.1	+39	38	9.1	✓
811								Not in Dm. ✓
812	+39	949	4	2.2	+39	18	9.4	✓
813								Not in Dm. ✓
814	+40	902	4	2.5	+40	45	9.5	
815	+40	901	4	2.4	+40	50	9.5	
816								Not in Dm. ✓
817	+40	905	4	3.0	+40	49	9.4	✓
818	+40	907	4	3.1	+40	38	9.5	✓
819	+40	906	4	3.1	+40	28	9.0	✓
820	+40	911	4	4.4	+40	41	8.3	✓
821	+40	910	4	3.6	+40	23	9.5	✓
822								Not in Dm. ✓
823	+40	915	4	6.0	+40	29	9.4	✓
824								Not in Dm. ✓
825	+40	916	4	6.2	+40	14	9.5	✓

Jan 7, 1931

m 10014
L.C.

826	1	K ₂
827	5	G ₀
828	2	A
829	1	K ₅
830	2	K ₅
831	4	K ₀
832	5	B ₈
833	1	K ₀
834	3	B ₈
835	3	G ₀
836	1	A
837	2	H
838	2	F ₈
839	2	G ₀
840	1	K ₇
841	2	F ₈
842	1	F ₀
843	4	A ₀
844	3	G ₀
845	3	F ₀
846	2	A ₃
847	4	G ₀
848	3	K ₂
849	2	A ₂
850	1	A ₃

I 41670

Feb. 10, 1931

826 +40°	918	4	6.4	+40°	19	9.3	✓
827 +40	919	4	6.6	+40	19	8.9	✓
828 +40	914	4	5.8	+40	50	9.5	✓
829							not in Sm. ✓
830 +41	835	4	5.0	+41	19	9.1	✓
831 +41	839	4	6.7	+41	19	8.9	✓
832 +41	840	4	6.9	+41	1	9.4	✓
833 +41	841	4	7.6	+41	21	9.5	✓
834 +41	842	4	7.7	+41	8	9.5	✓
835 +40	923	4	7.8	+40	59	9.5	✓
836							not in Sm. ✓
837 +40	921	4	7.3	+40	21	9.1	✓
838 +40	925	4	8.5	+40	20	9.4	✓
839 +39	968	4	8.7	+39	58	9.5	✓
840 +39	970	4	9.5	+39	52	9.4	✓
841 +40	920	4	9.5	+40	3	9.5	✓
842							not in Sm. ✓
843 +40	938	4	10.2	+40	9	8.8	✓
844 +40	931	4	9.9	+40	32	9.2	✓
845 +40	932	4	10.1	+40	48	9.2	✓
846 +40	935	4	10.8	+40	35	9.5	✓
847 +40	936	4	10.9	+40	29	8.9	✓
848 +40	937	4	10.9	+40	2	9.2	✓
849							not in Sm. ✓
850							not in Sm. ✓

mf10014
D.C.

Jan. 7, 1931

851	1	K5
852	1	K5
853	2	F2
854	1	K0
855	3	K2
856	3	K0
857	5	A2
858	3	B5
859	2	K2
860	3	F5
861	4	G0
862	1	K
863	1	K0
864	7 6	F8
865	1	K2
866	2	G5
867	1	A3
868	5	F8
869	1	K5
870	1	A
871	3	A3
872	1	F8
873	3	A3
874	1	F5
875	4	G5

I 41670

Feb. 10, 1931

851							Not in Sm. ✓
852 +40°	940	4	11.8	+40°	23	9.5	✓
853 +40	938	4	11.2	+40	39	9.5	✓
854							Not in Sm. ✓
855 +40	939	4	11.4	+40	49	9.0	✓
856 +40	941	4	12.0	+40	49	9.2	✓
857 +40	942	4	12.0	+40	55	9.1	✓
858							Not in Sm. ✓
859 +40	946	4	13.6	+40	28	9.2	✓
860 +40	948	4	13.9	+40	44	9.1	✓
861 +40	949	4	14.2	+40	37	9.0	✓
862							Not in Sm. ✓
863							Not in Sm. ✓
864 +41	859	4	12.5	+41	30	8.7	✓
865							Not in Sm. ✓
866							Not in Sm. ✓
867							Not in Sm. ✓
868 +41	857	4	11.3	+41	23	9.1	✓
869 +41	855	4	10.8	+41	22	9.3	✓
870							Not in Sm. ✓
871 +41	847	4	9.6	+41	28	9.5	✓
872							Not in Sm. ✓
873 +41	848	4	9.7	+41	8	9.5	✓
874 +40	927	4	9.0	+40	55	9.5	✓
875 +40	926	4	8.7	+40	55	9.0	✓

Mf10014
D.C.

Jan 7, 1931

876	1	K ₀
877	1	H ₅
878	1	A ₂
879	2	K ₀
880	1	K ₇
881	3	H ₅
882	1	K
883	2	F
884	3	F ₈
885	1	F ₅
886	3	F ₂
887	4	A ₂
888	3	H ₀
889	4	A ₀
890	2	A ₃
891	4	A ₀
892	1	K
893	2	H ₅
894	3	H ₅
895	1	F
896	2	K ₂
897	4	B₂-A₀
898	3	F ₈
899	2	H ₀
900	2	K ₅

Reprint A₀. B₅ in 10007

I 41670

Feb. 10, 1931

876 +40°	924	4	8.5	+40°	43	9.5	✓
877							hot in sm. ✓
878							hot in sm. ✓
879 +41	845	4	8.9	+41	15	9.3	✓
880 +41	845	4	7.8	+41	39	9.5	✓
881 +42	933	4	7.3	+42	1	9.5	✓
882							hot in sm. ✓
883							hot in sm. ✓
884 +41	849	4	9.7	+41	52	9.3	✓
885							hot in sm. ✓
886 +41	850	4	10.1	+41	47	9.4	✓
887 +41	851	4	10.2	+41	57	9.4	✓
888 +41	852	4	10.8	+41	50	9.1	✓
889 +41	856	4	11.2	+41	45	9.0	✓
890 +42	941	4	11.1	+42	6	9.5	✓
891 +42	942	4	12.1	+42	11	9.3	✓
892							hot in sm. ✓
893							hot in sm. ✓
894 +42	943	4	12.6	+42	1	9.0	✓
895							hot in sm. ✓
896 +42	944	4	12.8	+42	11	9.5	✓
897 +42	945	4	13.3	+42	18	9.4	✓
898							hot in sm. ✓
899							hot in sm. ✓
900 +41	860	4	13.2	+41	31	9.5	✓

Jan. 8, 1931

F 10014

F.C.

901	1	A5
902	1	A0
903	2	A2
904	1	K9
905	1	A5
906	2	K7
907	1	K5
908	2	G0
909	4	A5
910	4	G5
911	3	A2
912	3	A0
913	1	A7
914	4	K0
915	1	A
916	2	F8
917	1	F5
918	2	A0
919	1	A
920	3	A2
921	1	A5
922	1	F5
923	1	A3
924	1	A
925	4	A2

I 41670

Feb. 10, 1931

901							hot in dm. ✓
902							hot in dm. ✓
903							hot in dm. ✓
904							hot in dm. ✓
905							hot in dm. ✓
906 + 40°	954	4 ^h	15.2 ^m	+ 40°	36 ^s	9.0	✓
907							hot in dm. ✓
908 + 40	956	4	15.3	+ 40	58	9.5	✓
909 + 41	863	4	14.8	+ 41	21	9.5	✓
910 + 41	864	4	15.1	+ 41	28	9.2	✓
911 + 41	866	4	15.6	+ 41	6	9.5	✓
912 + 41	868	4	15.7	+ 41	11	9.5	✓
913							hot in dm. ✓
914 + 41	869	4	16.0	+ 41	22	9.4	✓
915							hot in dm. ✓
916							hot in dm. ✓
917							hot in dm. ✓
918							hot in dm. ✓
919							hot in dm. ✓
920 + 41	873	4	17.5	+ 41	12	9.5	✓
921							hot in dm. ✓
922							hot in dm. ✓
923							hot in dm. ✓
924							hot in dm. ✓
925 + 40	965	4	18.5	+ 40	59	9.5	✓

Jan. 8, 1931

77F 10014

F.C.

926	1	B9
927	5	A2
928	3	K0
929	5	A0
930	1	F2
931	4	A0
932	2	B8
933	2	A0
934	4	A0
935	3	B8
936	3	A5 B5
937	3	K0
938	1	A2
939	1	G5
940	2	F5
941	4	B8
942	5	A5
943	1	F0
944	3	F0
945	5	B9
946	1	F0
947	3	B5
948	4	K2
949	2	K5
950	5	B5

I 41670

Feb. 10, 1931

926							not in Dm. ✓
927 +41°	876	4	18.8	+41°	20	9.4	✓
928 +41	877	4	18.9	+41	24	8.9	✓
929 +41	882	4	19.9	+41	20	9.2	✓
930 +41	879	4	19.4	+41	37	9.5	✓
931 +41	883	4	20.3	+41	30	9.2	✓
932 +41	886	4	21.0	+41	28	9.5	✓
933 +41	885	4	20.9	+41	45	9.5	✓
934 +41	889	4	21.6	+41	32	9.4	✓
935 +41	891	4	21.7	+41	42	9.5	✓
936 +42	981	4	21.0	+42	7	9.5	✓
937 +42	983	4	21.3	+42	19	9.5	✓
938							not in Dm. ✓
939 +42	986	4	22.5	+42	10	9.3	✓
940 +42	988	4	22.8	+42	6	9.4	✓
941 +42	991	4	23.3	+42	13	9.5	✓
942 +41	895	4	23.1	+41	57	9.1	✓
943							not in Dm. ✓
944 +41	896	4	23.4	+41	52	9.2	✓
945 +41	899	4	24.0	+41	54	9.1	✓
946							not in Dm. ✓
947 +42	1001	4	25.3	+42	30	9.5	✓
948 +42	994	4	23.9	+42	29	9.0	✓
949 +42	999	4	25.0	+42	48	9.5	✓
950 +42	1000	4	25.1	+42	47	9.1	✓

Jan. 8, 1931

m F 10014

F.C.

951	1	A
952	6	F ₀
953	2	K ₇
954	4	G ₀
955	4	B ₈
956	3	A ₀
957	2	A ₀
958	1	K ₇
959	4	G ₅
960	2	A ₀
961	5	F ₅
962	5	B ₅
963	3	F ₀
964	1	K ₂
965	1	K
966	1	K ₀
967	4	A ₅
968	4	B ₅
969	3	G ₀
970	2	B ₉
971	2	G ₅
971a	1	A ₂
972	4	B ₈
973	4	A ₅
974	2	F ₅
975	3	A ₃

I 41670

Feb. 10, 1931

951								Not in Dm. ✓
952 +43	1006	4	23.3	+43	13	8.8	✓	
953 +43	1007	4	23.7	+43	30	9.5	✓	
954 +43	1002	4	22.2	+43	6	9.2	✓	
955 +43	1001	4	22.1	+43	8	9.2	✓	
956 +42	984	4	22.0	+42	42	9.5	✓	
957								Not in Dm. ✓
958 +43	996	4	21.3	+43	3	9.5	✓	
959 +42	982	4	21.0	+42	51	9.4	✓	
960 +42	980	4	20.9	+42	54	9.5	✓	
961 +43	990	4	20.8	+43	8	9.3	✓	
962 +42	977	4	20.3	+42	59	9.1	✓	
963 +42	975	4	20.1	+42	32	9.5	✓	
964 +42	978	4	20.5	+42	23	9.5	✓	
965								Not in Dm. ✓
966 +42	976	4	20.2	+42	15	9.5	✓	
967 +41	881	4	19.7	+41	56	9.4	✓	
968 +41	880	4	19.6	+41	57	9.5	✓	
969 +42	974	4	19.3	+42	15	9.3	✓	
970								Not in Dm. ✓
971								Not in Dm. ✓
972 +42	970	4	17.7	+42	3	9.4	✓	
973 +41	874	4	17.5	+41	55	9.4	✓	
974 +41	872	4	17.1	+41	50	9.5	✓	
975 +42	961	4	16.6	+42	0	9.5	✓	

Jan. 8, 1931

NF 10014

F.C.

976	1	B9
977	3	K2
978	2	A0
979	4	K0
980	1	K7
981	2	B9
982	2	A
983	2	A0
984	2	A0
985	3	A0
986	1	K0
987	3	A2
988	3	F8
989	5	G0
990	1	M0
991	2	A
992	2	B9
993	3	B8
994	2	K5
995	2	A2
996	1	G5
997	4	B9
998	2	F2
999	4	B8
1000	5	G0

Beckman M. J. 1/2

I 41670

Feb. 10, 1931

976							not in Sm. ✓
977 +41°	865	4	15.2	+41°	57	9.4	✓
978							not in Sm. ✓
979 +42	955	4	14.8	+42	2	8.9	✓
980 +41	862	4	14.5	+41	58	9.4	✓
981 +42	956	4	14.8	+42	11	9.5	✓
982 +42	950	4	13.8	+42	26	9.3	✓
983 +42	949	4	13.8	+42	31	9.5	✓
984 +42	951	4	13.9	+42	28	9.4	✓
985 +42	948	4	13.7	+42	46	9.4	✓
986 +42	957	4	14.9	+42	42	9.5	✓
987 +43	956	4	14.3	+43	0	9.5	✓
988 +42	959	4	15.9	+42	55	9.5	✓
989 +42	963	4	16.6	+42	48	8.5	✓
990							not in Sm. ✓
991 +42	967	4	17.4	+42	37	9.2	✓
992 +42	968	4	17.5	+42	39	9.5	✓
993 +42	971	4	18.2	+42	51	9.5	✓
994 +43	978	4	18.3	+43	3	9.3	✓
995 +43	973	4	17.1	+43	5	9.5	✓
996 +43	970	4	16.9	+43	2	9.5	✓
997 +43	971	4	16.9	+43	15	9.4	✓
998 +43	965	4	16.0	+43	9	9.4	✓
999 +43	964	4	15.9	+43	13	9.3	✓
1000 +43	962	4	15.8	+43	16	8.6	✓

Jan. 8, 1931

MF 10014

F.C.

1001	4	B ₈
1002	2	K ₀
1003	4	G ₀
1004	2	A
1005	1	K ₇
1006	1	K ₀
1007	2	K ₀
1008	1	K ₀
1009	3	B ₈
1010	3	K ₇
1011	2	A ₀
1012	2 ₆	A ₀
1013	4	B ₈
1014	1	A
1015	3	K ₀
1016	3	A ₂
1017	3	A ₀
1018	1	A
1019	B 1	B
1020	3	A ₂
1021	2	A ₅
1022	2	M ₀
1023	4	F ₀
1024	2	A ₀
1025	1	A

Best in MF 10007

I 41708

Feb. 10, 1931

1001 +43°	975	4	17.3	+43°	18	9.3	✓
1002 +43	980	4	18.9	+43	33	9.0	✓
1003 +43	982	4	19.2	+43	22	8.9	✓
1004							Not in Dm.
1005 +43	983	4	19.7	+43	7	9.4	✓
1006 +43	985	4	20.1	+43	15	9.5	✓
1007 +43	987	4	20.6	+43	22	9.5	✓
1008							Not in Dm.
1009 +43	988	4	20.7	+43	21	9.4	✓
1010 +43	991	4	20.8	+43	26	8.6	✓
1011 +43	994	4	21.1	+43	29	9.3	✓
1012 +43	995	4	21.1	+43	30	9.3	✓
1013 +43	997	4	21.4	+43	31	8.6	✓
1014							Not in Dm.
1015 +43	999	4	21.8	+43	24	8.8	✓
1016 +43	1000	4	22.1	+43	24	9.0	✓
1017 +43	1003	4	22.4	+43	28	9.3	✓
1018							Not in Dm.
1019							Not in Dm.
1020 +43	1004	4	22.8	+43	43	9.5	✓
1021 +43	1009	4	24.4	+43	17	9.5	✓
1022 +43	1015	4	25.0	+43	26	9.4	✓
1023 +42	1009	4	27.3	+42	58	8.9	✓
1024 +43	1022	4	27.7	+43	9	9.5	✓
1025 +43	1023	4	28.2	+43	13	9.5	✓

Jan. 8, 1931

MF 10014

F.C.

1026	1	K5
1027	3	B8
1028	3	G5
1029	3	B9
1030	5	B8
1031	3	A3
1032	3	F2
1033	5	B3
1034	5	F0
1035	1	K5
1036	2	G0
1037	2	B3
1038	3	K0
1039	5	Dm0
1040	1	A0
1040a	4	G0
1041	2	B9
1042	2	A0
1043	2	B9
1044	4	B8
1045	4	A0
1046	2	F8
1047	1	A
1048	2	A0
1049	2	G5
1050	2	A0

I 41708

Feb. 10, 1931

1026 +42°	1016	4 ^h	28.4	+42°	48'	9.5	✓
1027 +42	1018	4	28.6	+42	48	9.5	✓
1028 +42	1019	4	28.7	+42	45	9.3	✓
1029 +43	1025	4 ^h	28.7	+43	3	9.4	✓
1030 +43	1031	4	29.1	+43	0	9.1	✓
1031 +43	1032	4	29.1	+43	9	9.5	✓
1032 +43	1034	4	29.6	+43	5	9.4	✓
1033 +42	1022	4	29.8	+42	58	8.6	✓
1034 +43	1037	4	30.4	+43	4	8.5	✓
1035 +42	1027	4	30.6	+42	58	9.4	✓
1036 +42	1028	4	30.7	+42	45	9.5	✓
1037 +43	1038	4	30.8	+43	10	9.5	✓
1038 +43	1046	4	34.0	+43	22	8.3	✓
1039 +43	1047	4	35.0	+43	31	7.4	✓
1040							Not in Dm.
1041							Not in Dm.
1042							Not in Dm.
1043 +42	1042	4	35.8	+42	35	9.5	✓
1044 +42	1038	4	35.4	+42	52	9.1	✓
1045 +42	1039	4	35.6	+42	51	9.0	✓
1046 +42	1041	4	35.8	+42	51	9.3	✓
1047							Not in Dm.
1048 +43	1051	4	36.0	+43	17	9.5	✓
1049 +43	1052	4	36.1	+43	14	9.1	✓
1050 +42	1047	4	36.6	+42	58	9.5	✓

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F 10014

F. C.

1051	1	B ₉
1052	5	A ₂
1053	1	A
1054	1	G ₀
1055	1	G ₀
1056	1	G ₀
1057	2	B ₉
1058	2	K ₂
1059	2	B ₈
1060	6	A ₃
1061	1	G
1062	1	B ₉
1063	2	A ₂
1064	5	K ₀
1065	5	A ₂
1066	1	F ₈
1067	3	A ₂
1068	1	G ₅
1069	2	B ₉
1070	2	A ₀
1071	6	G ₀
1072	3	B ₈
1073	1	B ₈
1074	2	B ₉
1075	4	A ₃

I 41708

Feb. 10, 1931

1051							Phot in Sm.
1052 +42°	1044	4 ^h	36.0 ^m	+42°	15'	9.2	✓
1053							Phot in Sm.
1054 +42	1049	4	37.3	+42	48	9.5	✓
1055							Phot in Sm.
1056 +42	1052	4	37.4	+42	46	9.5	✓
1057							Phot in Sm.
1058 +42	1056	4	38.0	+42	32	8.6	✓
1059 +42	1054	4	37.7	+42	20	9.5	✓
1060 +42	1055	4	37.9	+42	12	8.5	
1061							Phot in Sm.
1062							Phot in Sm.
1063 +42	1057	4	38.2	+42	34	9.5	✓
1064 +42	1059	4	38.4	+42	20	8.4	✓
1065 +42	1058	4	38.4	+42	54	9.1	✓
1066							Phot in Sm.
1067							Phot in Sm.
1068 +42	1060	4	39.1	+42	21	9.5	✓
1069							Phot in Sm.
1070							Phot in Sm.
1071 +42	1063	4	39.6	+42	18	8.6	✓
1072 +41	959	4	37.5	+41	42	9.5	✓
1073							Phot in Sm.
1074							Phot in Sm.
1075 +41	963	4	38.1	+41	52	9.5	✓

Jan. 8, 1931

m F. 10014

F.C.

1076	4	22
1076a	2	22
1077	3	20
1078	2	25
1079	3	24
1080	1	Ko
1080a	6	B
1081	4	25
1082	5	35
1082a	6	B9
1083	7	A
1084	1	Ko
1085	1	25
1086	3	F8
1087	2	F5
1088	3	Ko
1089	4	B8
1090	7	Ko
1091	2	Ko
1092	4	A7
1093	5	Ko
1094	2	B8
1095	3	Ao
1096	3	B8
1097	2	Ko
1098	2	20
1099	2	A2
1100	2	A3

Quartz star at N. confuses sp. Absence of
confused by star at S.

Cont. in table 188, pg. 70

I 41708

Feb. 10, 1931

1076	¹ +4 ^x	964	4	38.9	¹ +4 ^x	513	9.5	✓
1076a	+41	964 965	4	37.2	+4 ^x	47	9.4	✓
1077				38.3	+4 ^x	56	9.4	✓
1078	+41	967	4	38.5	+41	50	9.5	✓
1079	+41 ^o	966	4	38.8	+41	23	9.2	✓
1080	+41	968	4	39.6	+41	22	9.4	✓
1081	+41	972	4	39.8	+41	33	9.2	✓
1082	+41	974	4	40.1	+41	25	9.2	✓
1083								Not in Dm.
1084								Not in Dm.
1085								Not in Dm.
1086	+41	977	4	40.7	+41	15	9.4	✓
1087								Not in Dm.
1088	+41	978	4	40.7	+41	22	9.5	✓
1089	+41	979	4	40.8	+41	25	9.4	✓
1090	+41	980	4	41.0	+41	19	8.1	✓
1091	+40	1063	4	41.0	+40	43	9.1	✓
1092	+40	1061	4	40.6	+40	36	9.2	✓
1093	+40	1062	4	40.7	+40	21	8.2	✓
1094								Not in Dm.
1095	+40	1060	4	39.8	+40	40	9.2	✓
1096								Not in Dm.
1097	+40	1058	4	39.3	+40	45	9.4	✓
1098	+40	1057	4	39.1	+40	32	9.5	✓
1099								Not in Dm.
1100								Not in Dm.

Jan. 13, 1931

F 8207

F.C.

1	5	F ₀
2	3	A ₃
3	3	B ₈
4	3	B ₉
5	6	G ₀
6	3	A ₀
7	5	B ₈
8	1	A ₂
9	4	A ₀
10	2	F ₀
11	4	B ₈
12	3	F ₀
13	4	B ₅
14	3	A ₀
15	5	K ₀
16	1	A
17	4	A
18	3	A ₂
19	3	B ₉
20	1	A
21	5	A B₂
22	5	A ₀
23	4	B ₉
24	4	A ₀
25	2	F ₅

the correction of 2 stars
~~Another star is suspected.~~

(Action upon at violet end gives appearance of helium lines)
 f. of two

I 39828

Feb. 11, 1931

1 +18°	690	4	35.6	+18°	12'	8.7	✓
2 +18	691	4	35.9	+18	32	9.4	✓
3 +18	693	4	36.0	+18	42	9.4	✓
4 +18	695	4	36.1	+18	35	9.5	✓
5 +18	696	4	36.1	+18	44	9.2	✓
6							Not in Dm. ✓
7 +18	692	4	36.0	+18	59	9.2	✓
8 +19	769	4	36.2	+19	1	9.5	✓
9 +19	770	4	36.2	+19	1	9.0	✓
10 +18	698	4	36.5	+18	47	9.5	✓
11 +18	699	4	36.7	+18	52	9.2	✓
12 +18	700	4	36.7	+18	45	9.5	✓
13 +18	701	4	36.8	+18	51	9.2	✓
14 +18	702	4	36.8	+18	56	9.4	✓
15 +19	773	4	36.9	+19	5	8.9	✓
16 +18	707	4	37.1	+18	58	9.5	✓
17 +18	709	4	37.2	+18	50	9.3	✓
18 +18	705	4	37.1	+18	45	9.1	✓
19 +18	706	4	37.1	+18	42	9.2	✓
20							Not in Dm. ✓
21 +18	712	4	37.4	+18	41	9.0	✓
22 +18	714	4	37.5	+18	54	8.9	✓
23 +18	715	4	37.5	+18	51	9.0	✓
24 +18	716	4	37.6	+18	46	9.4	✓
25 +18	718	4	37.8	+18	48	9.5	✓

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MF 8207

F. v.

26	4	B9
27	6	B8
28	3	B9
29	2	A0
30	2	B9
31	3	B9
32	1	A0
33	1	K2
34	3	G0
35	4	A0
36	4	B8
37	5	B9
38	6	F2
39	2	A0
40	1	A2
41	1	A
42	1	F15
43	2	A0
44	3	K7
45	1	A
46	1	A
47	5	A2
48	2	F8
49	1	K2
50	1	A

I 39828

Feb. 11, 1931

26 +19°	776	4	37.8	+19°	1'	9.4	✓
27 +18	720	4	37.9	+18	56	9.1	✓
28 +18	721	4	38.0	+18	46	9.4	✓
29							Not in dm. ✓
30 +18	722	4	38.1	+18	51	9.5	✓
31 +18	723	4	38.3	+18	40	9.5	✓
32							Not in dm. ✓
33 +18	704	4	37.0	+18	15	9.3	✓
34 +18	710	4	37.3	+18	14	9.2	✓
35 +17	784	4	38.9	+17	50	9.5	✓
36 +18	728	4	39.1	+18	14	9.4	✓
37 +18	730	4	39.7	+18	11	9.1	✓
38 +18	732	4	39.9	+18	18	9.1	✓
39							Not in dm. ✓
40							Not in dm. ✓
41							Not in dm. ✓
42 +19	778	4	38.3	+19	5	9.5	✓
43							Not in dm. ✓
44 +19	782	4	39.2	+19	3	8.7	✓
45							Not in dm. ✓
46							Not in dm. ✓
47 +18	733	4	39.9	+18	54	9.2	✓
48 +18	735	4	40.2	+18	43	9.2	✓
49							Not in dm. ✓
50							Not in dm. ✓

Jan. 13, 1931

mF 8207.

F.C.

51	4	B5-
52	1	K7
53	1	G
54	1	A5
55	5	K0
56	2	K2
57	6	F5
58	5	G0
59	3	F0
60	1	K0
61	2	G0
62	3	F5
63	1	A
64	2	G0
65	3	G0
66	3	A0
67	4	A0
68	1	A
69	1	A
70	2	F8
71	4	G5
72	1	G
73	1	F8
74	1	G5
75	4	A0

I 39828

Feb. 11, 1931

51 +19 ⁰	786	4	41.1	+19 ⁰	18'	9.0	✓
52 +19	788	4	41.5	+19	6	9.5	✓
53							Not in Dm. ✓
54							Not in Dm. ✓
55 +18	738	4	41.8	+18	56	8.8	✓
56 +18	739	4	41.8 ⁹	+18	35	9.4	
57 +17	790	4	41.8	+17	53	9.3	✓
58 +18	740	4	42.3	+18	4	9.1	✓
59 +17	794	4	43.0	+17	54	9.5	✓
60							Not in Dm. ✓
61							Not in Dm. ✓
62 +18	742	4	42.7	+18	37	9.5	Not in Dm. ✓
63							Not in Dm. ✓
64 +19	794	4	42.9	+19	6	9.5	✓
65 +18	744	4	43.5	+18	59	9.5	✓
66 +19	787	4	41.4	+19	53	9.5	✓
67 +20	829	4	41.7	+20	1	9.5	
68							Not in Dm. ✓
69							Not in Dm. ✓
70 +19	790	4	42.4	+19	58	9.4	✓
71 +19	793	4	42.7	+19	54	9.3	✓
72 +19	792	4	42.6	+19	58	9.5	✓
73 +20	831	4	42.7	+20	3	9.5	✓
74 +20	832	4	42.9	+20	5	9.5	✓
75 +19	795	4	43.1	+19	42	9.4	✓

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NF 8207

F.C.

76	2	A3
77	5	A3
78	3	G0
79	3	A5
80	1	G5
81	5	G5
82	2	A3
83	3	A5
84	3	F8
85	1	A3
86	2	A7
87	3	F2
88	4	G0
89	1	F0
90	1	A
91	1	A
92	3	A5
93	2	F5
94	2	F8
95	2	B8
95a	4	A0
96	4	A0
97	1	K5
98	1	K5
99	3	G5
100	5	G0

I 39828

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76							Not in Sm. ✓
77 +19°	796	4 ^h	43.3 ^m	+19°	34'	9.1	✓
78 +19	797	4	43.7	+19	43	9.5	✓
79 +19	798	4	43.8	+19	41	9.5	✓
80 +19	799	4	44.0	+19	43	9.5	✓
81 +19	801	4	44.1	+19	45	9.0	✓
82							Not in Sm. ✓
83 +20	834	4	43.7	+20	26	9.5	✓
84 +20	835	4	44.2	+20	36	9.5	✓
85							Not in Sm. ✓
86							Not in Sm. ✓
87 +20	837	4	45.0	+20	25	9.3	✓
88 +20	838	4	45.4	+20	4	9.0	✓
89 +19	803	4	45.1	+19	50	9.5	✓
90							Not in Sm. ✓
91							Not in Sm. ✓
92 +19	802	4	45.0 44.8	+19	38	9.3	✓
93 +19	806	4	45.6	+19	54	9.4	✓
94 +20	842	4	46.3	+20	16	9.3	✓
95							Not in Sm. ✓
950 +20	845	4	46.6	+20	10	9.2	✓
96 +19	810	4	46.4	+19	45	9.2	✓
97 +19	808	4	46.3	+19	32	9.2	✓
98 +19	814	4	47.1	+19	22	9.5	✓
99 +18	755	4	47.1	+18	59	9.5	✓
100 +19	812	4	46.9	+19	3	9.1	✓

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Jan. 14, 1931

NF 8207

F.C.

101	1	a
102	2	a ₇
103	3	a ₂
104	4	a ₇
105	4	K ₀
106	4	K ₂
107	1	a ₅
108	2	g ₀
109	1	a ₀
110	1	F ₀
111	2	K ₂
112	2	K ₇
113	4	g ₀
114	6	F ₅
115	1	K ₇
116	3	a ₀
117	2	F ₅
118	1	m
119	2	g ₅
120	5	g ₀
121	3	F ₀
122	5	K ₀
123	2	K ₂
124	3	K ₅
125	2	a ₂

I 41751

Feb. 11, 1931

101							Not in Dm.	✓
102							Not in Dm.	✓
103							Not in Dm.	✓
104 + 19°	766	4 ^h	35.3 ^m	+ 19°	32'	9.4		✓
105 + 19	768	4	36.0	+ 19	30	9.0		✓
106 + 19	767	4	35.4	+ 19	53	9.4		✓
107 + 20	810	4	35.3	+ 20	2	9.5		✓
108 + 20	811	4	35.6	+ 20	2	9.4		✓
109							Not in Dm.	✓
110							Not in Dm.	✓
111 + 20	816	4	36.8	+ 20	17	9.5		✓
112 + 20	815	4	36.6	+ 20	25	9.5		✓
113 + 20	814	4	36.3	+ 20	36	9.5		✓
114 + 20	813	4	35.8	+ 20	39	9.0		✓
115 + 21	688	4	34.2	+ 21	4	9.5		✓
116							Not in Dm.	✓
117							Not in Dm.	✓
118							Not in Dm.	✓
119							Not in Dm.	✓
120 + 21	693	4	37.0	+ 21	12	9.2		✓
121 + 21	695	4	37.4	+ 21	4	9.3		✓
122 + 20	817	4	37.7	+ 20	54	9.1		✓
123 + 21	698	4	38.2	+ 21	6	9.5		✓
124							Not in Dm.	✓
125							Not in Dm.	✓

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Jan. 14, 1931

mF 8207

F.C.

126	4	a3
127	4	F8
128	1	K0
129	2	F5
130	2	G5
131	5	K0
132	1	K
133	3	a3
134	7	a0
135	1	F0
136	1	G
137	2	a0
138	2	F5
139	1	K2
140	6	a2
141	3	K2
142	1	F
143	4	K2
144	5	a2
145	1	a
146	3	F8
147	2	K0
148	1	K
149	1	a
150	3	G5

I 41751

Feb. 11, 1931

126 +21°	796	4	37.5	+21°	19'	9.5	✓
127 +22	744	4	35.9	+22	11	9.4	✓
128						hot in sm.	✓
129 +22	742	4	34.7	+22	58	9.5	✓
130 +23	735	4	35.2	+23	5	9.5	✓
131 +23	736	4	35.4	+23	21	9.2	✓
132 +23	737	4	35.5	+23	40	9.5	✓
133						hot in sm.	✓
134 +23	740	4	37.2	+23	39	9.2	✓
135						hot in sm	✓
136						hot in sm	✓
137						hot in sm	✓
138						hot in sm	✓
139						hot in sm	✓
140 +21	700	4	38.8	+21	2	9.0	✓
141 +20	819	4	38.2	+20	50	9.5	✓
142						hot in sm	✓
143 +20	820	4	38.5	+20	38	9.3	✓
144 +20	822	4	38.6	+20	18	9.0	✓
145						hot in sm	✓
146 +20	821	4	38.6	+20	10	8.7	✓
147 +19	779	4	38.6	+19	00	9.3	✓
148						hot in sm	✓
149						hot in sm	✓
150 +20	818	4	37.7	+20	5	9.5	✓

Jan. 14, 1931

NF 8207

F.C.

151	1	K5
152	1	K5
153	1	F5
154	3	K0
155	2	K2
156	3	G5
157	1	K5
158	5	F5
159	2	K7
160	3	A0
161	1	K0
162	3	A5
163	1	F5
164	6	G5
165	2	F8
166	2	K5
167	3	G5
168	5	B9
169	2	F0
170	1	F
171	3	A0
172	1	G5
173	1	G
174	4	F8
175	6	A2

I 41751

Feb. 11, 1931

151							hot in sm. ✓
152							hot in sm. ✓
153							hot in sm. ✓
154 + 19	772	4	36.7	+19	31	9.4	✓
155 + 19	771	4	36.4	+19	36	9.5	✓
156 + 19	780	4	38.9	+19	41	9.4	✓
157							hot in sm. ✓
158 + 19	785	4	40.2	+19	28	9.0	✓
159 + 19	784	4	40.1	+19	58	9.4	✓
160 + 19	783	4	39.5	+19	00	9.5	✓
161							hot in sm. ✓
162							hot in sm. ✓
163							hot in sm. ✓
164 + 20	823	4	40.1	+20	51	9.0	✓
165							hot in sm. ✓
166 + 20	825	4	40.4	+20	30	9.5	✓
167							hot in sm. ✓
168 + 20	824	4	40.2	+20	6	9.3	✓
169 + 20	826	4	40.4	+20	6	9.5	✓
170							hot in sm. ✓
171 + 20	827	4	41.3	+20	16	9.5	✓
172							hot in sm. ✓
173							hot in sm. ✓
174 + 20	828	4	41.4	+20	29	9.3	✓
175 + 20	830	4	41.7	+20	50	9.1	✓

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Jan. 14, 1931

nF 8207

F.C.

176	2	F8
177	3	K2
178	2	K5
179	1	F8
180	6	K0
181	2	K0
182	4	G0
183	1	K5
184	3	B9
185	5	A0
186	2	G0
187	1	F
188	2	M0
189	1	K5
190	4	A2
191	1	F5
192	1	G5
193	1	F
194	2	A0
195	2	G5
196	1	A
197	2	A3
198	2	B9
199	5	A3
200	5	A0

I 41751

Feb. 11, 1931

176							hot in dm. ✓
177							hot in dm. ✓
178							hot in dm. ✓
179							hot in dm. ✓
180 +20°	841	4	46.3	+20°	43	8.8	✓
181							hot in dm. ✓
182 +20	843	4	46.5	+20	32	9.3	✓
183							hot in dm. ✓
184 +20	847	4	47.4	+20	4	9.0	✓
185 +20	849	4	47.8	+20	5	9.4	✓
186 +20	848	4	47.8	+20	30	9.5	✓
187							hot in dm. ✓
188 +20	850	4	48.1	+20	26	9.5	✓
189 +20	851	4	48.3	+20	22	9.5	✓
190 +19	816	4	47.6	+19	40	9.5	✓
191 +19	813	4	46.9	+19	31	9.5	✓
192							hot in dm. ✓
193							hot in dm. ✓
194							hot in dm. ✓
195 +19	821	4	49.1	+19	48	9.5	✓
196							hot in dm. ✓
197							hot in dm. ✓
198							hot in dm. ✓
199 +19	824	4	49.6	+19	50	9.5	✓
200 +19	826	4	49.8	+19	58	9.5	✓

Jan. 15, 1931

m F. 8207.

F.C.

201	6	K ₂
202	1	F
203	1	F ₅
204	1	K ₀
205	5	A ₀
206	5	F ₀
207	3	A ₀
208	4	F ₅
209	5	A ₀
210	8	K ₇
211	3	F ₀
212	4	K ₀
213	2	G ₅
214	1	M ₀
215	3	A ₃
216	3	K ₇
217	6	F ₅
218	2	G ₀
219	3	K ₇
220	1	A
221	2	K ₀
222	2	A ₀
223	3	A ₂
224	6	B ₉
225	3	K ₀

I 39828

Feb. 13, 1931

201 +20°	855	4 ^h	49.5 ^m	+20°	4 ⁱ	8.6		✓
202							Not in Dm.	✓
203							Not in Dm.	✓
204 +20°	857	4	50.8 ⁷	+20	50	9.5		✓
205 +19	827	4	50.2	+19	59	9.4		✓
206 +19	828	4	50.2	+19	43	9.2		✓
207							Not in Dm.	✓
208 +19	829	4	50.6	+19	24	9.2		✓
209 +19	823	4	49.6	+19	28	9.5		✓
210 +19	825	4	49.7	+19	29	9.2		✓
211							Not in Dm.	✓
212 +19	818	4	48.6	+19	8	9.2		✓
213 +19	822	4	49.5	+19	10	9.5		✓
214							Not in Dm.	✓
215 +18	761	4	49.2	+18	43	9.5		✓
216 +18	762	4	49.4	+18	43	9.3		✓
217 +18	765	4	49.9	+18	46	8.8		✓
218 +18	768	4	50.7	+18	44	9.5		✓
219 +18	769	4	51.2	+18	34	9.0		✓
220							Not in Dm.	✓
221 +18	770	4	51.8	+18	45	9.4		✓
222							Not in Dm.	✓
223							Not in Dm.	✓
224 +19	834	4	51.7	+19	33	9.1		✓
225 +19	833	4	51.4	+19	39	9.5		✓

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Jan. 15, 1931

NF 8207

F.C.

226	5	G ₀
227	4	K ₀
228	1	A
229	1	K
230	4	B ₈
231	5	F ₈
232	4	B ₅ ⁻
233	2	F ₂
234	1	K
235	2	K ₀
236	3	A ₂
237	7	A ₇
238	2	A ₅
239	5	G ₀
240	6	A ₀
241	2	K ₀
242	2	F ₈
243	2	A
244	3	A ₀
245	1	F
246	1	K ₅
247	1	A
248	2	K ₅
249	2	A ₂
250	4	F ₅

I 39828

Feb. 13, 1931

226 +19°	832	4	51.2	+19°	45'	9.3	✓
227 +20	858	4	51.2	+20	12	9.2	✓
228						hot in sm.	✓
229 +20	861	4	52.2	+20	3	9.4	✓
230 +19	835	4	52.6	+19	59	9.5	✓
231 +19	836	4	52.8	+19	43	9.0	✓
232						hot in sm.	✓
233						hot in sm.	✓
234						hot in sm.	✓
235 +19	838	4	53.3	+19	38	9.5	✓
236 +19	840	4	53.3	+19	35	9.5	✓
237 +19	839	4	53.3	+19	44	8.8	✓
238 +19	841	4	53.6	+19	30	9.5	✓
239 +19	842	4	54.1	+19	10	9.2	✓
240 +19	843	4	54.5	+19	18	8.8	✓
241 +18	773	4	54.6	+18	48	9.5	✓
242 +20	871	4	55.0	+20	0	9.5	✓
243						hot in sm.	✓
244						hot in sm.	✓
245 +20	867	4	54.3	+20	4	9.5	✓
246 +20	866	4	53.7	+20	10	9.4	✓
247						hot in sm.	✓
248 +20	865	4	53.5	+20	27	9.5	✓
249						hot in sm.	✓
250 +18	771	4	53.3	+18	33	9.1	✓

Jan. 15, 1931.

F 8207

F.C.

251	2	K ₀
252	3	A ₀
253	1	F ₂
254	2	G ₀
255	5	A ₂
256	5	G ₀
257	7	F ₅
258	2	G ₀
259	2	F ₈
260	2	A ₅
261	1	G ₅
262	2	G ₀
263	2	F ₈
264	2	A ₀
265	3	F ₂
266	1	A
267	3	G ₀
268	2	G ₀
269	1	G ₀
270	2	G ₅
271	2	M ₀
272	3	B ₉
273	2	F ₅
274	2	G ₀
275	2	K ₇

I 39828

Feb. 13, 1931

251							Not in Dm. ✓
252	+17°	823	4	52.8 ⁶	+17°	19' 9.5	
253	+17	823	4	52.9	+17	19 9.5	Not in Dm. ✓
254							Not in Dm. ✓
255	+17	822	4	51.4	+17	58 9.5	✓
256	+18	767	4	50.6	+18	26 9.4	✓
257	+18	766	4	50.2	+18	25 9.3	✓
258	+18	764	4	49.8	+18	29 9.5	✓
259							Not in Dm. ✓
260							Not in Dm. ✓
261	+17	819	4	50.3	+18	56 9.5	✓
262							Not in Dm. ✓
263	+17	818	4	50.0	+17	34 9.5	✓
264							Not in Dm. ✓
265	+17	817	4	49.4	+17	36 9.5	✓
266							Not in Dm. ✓
267	+18	760	4	48.4	+18	10 9.4	comb. in Dm ✓
268							Not in Dm. ✓
269							Not in Dm. ✓
270	+17	812	4	47.8	+17	32 9.5	✓
271	+17	811	4	47.3	+17	31 9.5	✓
272	+17	809	4	47.2	+17	23 9.5	✓
273							Not in Dm. ✓
274							Not in Dm. ✓
275	+17	810	4	47.3	+17	52 9.5	✓

Jan. 15, 1931

OF 8207

F.C.

276	1	K ₀
277	4	m ₀
278	1	F ₅
279	1	K ₇
280	6	G ₀
281	2	K ₀
282	4	m ₀
283	4	K ₂
284	4	a ₀
285	1	G ₅
286	2	K ₀
287	1	K ₀
288	2	K ₀
289	1	K ₇
290	2	F ₈
291	1	a
292	2	F ₅
293	1	a
294	1	K ₅
295	5	a ₃
296	4	K ₀
297	2	K _p
298	1	K ₅
299	4	F ₂
300	1	K

H. lines bright. $\sqrt{}$ Tau.

I 39828

Feb. 13, 1931

276							not in dm. ✓
277	+17 ⁰	808	4	46.8	+17 ⁰	57	9.0 ✓
278							not in dm. ✓
279	+18	756	4	47.3	+18	21	9.5 ✓
280	+18	753	4	46.6	+18	26	9.4 ✓
281	+18	752	4	46.4	+18	29	9.5 ✓
282	+18	751	4	46.1	+18	31	9.2 ✓
283	+18	749	4	45.9	+18	32	9.2 ✓
284	+18	748	4	45.8	+18	44	9.5 ✓
285	+19	807	4	45.8	+19	20	9.5 ✓
286	+19	804	4	45.4	+19	10	9.5 ✓
287							not in dm. ✓
288	+18	746	4	43.9	+18	46	9.4 ✓
289							not in dm. ✓
290							not in dm. ✓
291							not in dm. ✓
292	+17	806	4	45.8	+17	59	9.5 ✓
293							not in dm. ✓
294	+17	803	4	44.5	+17	29	9.5 ✓
295	+17	801	4	43.9	+17	26	9.5 ✓
296	+17	799	4	43.6	+17	23	9.5 ✓
297	+17	800	4	43.6	+17	16	var. ✓
298	+17	798	4	43.5	+17	47	9.5 ✓
299	+17	795	4	43.3	+17	40	9.4 ✓
300							not in dm. ✓

Jan. 15, 1931

MF 8212

F.C.

1 2 A2

2 4 A0

3 4 A5

4 3 F2

5 4 A4⁷

6 1 K7

7 1 ~~K5~~ (Orig. 7 is double)

8 2 A2

9 3 G0

10 6 A

11 1 A

12 4 A2

13 3 G5

14 1 K5

15 2 A0

16 1 A

17 1 K7

I 33527

Feb. 13, 1931

1							not in sm.	✓
2	+19°	846	4	57.0	+19°	14'	9.5	✓
3	+19	848	4	57.3	+19	52	9.3	✓
4	+20	880	4	58.2	+20	15	9.5	✓
5	+20	879	4	58.2	+20	48	9.5	✓
6	+20	887	5	0.2	+20	33	9.5	✓
7	+20	888	5	0.3	+20	27	9.5	✓
8							not in sm.	✓
9	+20	876	4	57.1	+20	45	9.5	✓
10	+20	877	4	57.3	+20	30	9.3	✓
11							not in sm.	✓
12	+20	875	4	56.7	+20	40	9.3	✓
13	+20	872	4	55.3	+20	37	9.5	✓
14							not in sm.	✓
15	+20	873	4	55.8	+20	8	9.5	✓
16							not in sm.	✓
17	+19	845	4	55.8	+19	50	9.5	✓

Jan. 16, 1931

F 8176

F.C.

F
m 9985

1	3	G ₀	F ₅
2	3	K ₀	K ₀
3	4	G ₀	G ₀
4	3	A ₂	A ₃
5	2	K ₀	K ₀
6	3	F ₈	F ₈
7	2	G ₀	F ₅
8	3	G ₀	F ₂
9	1	K ₂	G ₅
10	2	K ₀	G ₅
11	3	F ₅	F ₅
12	1	G ₅	F ₈
13	5	A ₅	A ₃
14	4	A ₀	A ₅
15	1	F ₈	F ₂
16	1	K ₂	K ₂
17	2	K ₅	K ₅
18	2	G ₀	G ₀
19	1	A	A ₅
20	1	M ₀	M ₀
21	2	G ₅	F ₈
22	4	K ₀	K ₀
23	4	F ₅	F ₅
24	1	G ₅	F ₈
25	2	M ₂	K ₇

I 28005

Feb. 13, 1931

1 $+10^{\circ}$	574	4	17.9	$+10^{\circ}$	52'	9.5	✓
2 $+10$	576	4	18.8	$+10$	33	9.5	✓
3 $+11$	608	4	17.8	$+11$	35	9.5	✓
4 $+11$	609	4	18.0	$+11$	35	9.5	✓
5 $+11$	605	4	16.9	$+11$	55	9.5	✓
6 $+11$	607	4	17.5	$+11$	50	9.5	✓
7							not in 2m.
8 $+12$	588	4	17.1	$+12$	16	9.5	✓
9 $+12$	587	4	16.9	$+12$	23	9.5	✓
10 $+12$	586	4	16.8	$+12$	36	9.4	✓
11 $+12$	589	4	17.5	$+12$	28	9.5	✓
12 $+12$	590	4	17.5	$+12$	39	9.5	✓
13 $+12$	591	4	18.0	$+12$	12	9.3	✓
14 $+12$	592	4	18.1	$+12$	13	9.5	✓
15 $+12$	593	4	18.2	$+12$	25	9.5	✓
16							not in 2m.
17 $+11$	612	4	19.1	$+12$	0	9.2	✓
18 $+11$	610	4	18.3	$+11$	43	9.4	✓
19							not in 2m.
20 $+11$	611	4	18.5	$+11$	42	9.4	✓
21							not in 2m.
22 $+11$	613	4	19.3	$+11$	16	9.2	✓
23 $+11$	615	4	19.9	$+11$	44	9.0	✓
24							not in 2m.
25 $+10^{\circ}$	580 620	4	20.6	$+10$	54	9.5	✓

Jan. 16, 1931

MF 8176

F.C.

			on fr 1385
26	2	G ₀	G ₀
27	2	G ₀	F ₁₈
28	2	F ₈	G ₀
29	1	F ₀	A ₃
30	1	F ₂	F ₁₂
31	3	K ₀	K ₀
32	1	K	K ₀
33	6	A ₅	F ₀
34	4	G ₀	F ₁₅
35	2	F ₈	F ₁₈
36	7	G ₀	G ₁₅
37	3	F ₀	A ₇
38	2	K ₂	K ₂
39	5	K ₀	K ₀
40	3	F ₈	G ₀
41	3	A ₀	A ₅
42	1	G	F ₁₅
43	2	G ₁₅	G ₀
44	2	G ₀	G ₁₅
45	1	F ₁₅	F ₁
46	1	G	G
47	1	G ₁₅	G ₀
48	3	M ₀	K ₂
49	1	F ₈	F ₁₂
50	1	K ₀	K

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26 $+10^{\circ}$	578	4	^m 20.5 $+10^{\circ}$	42'	9.4	✓
27 $+11$	617	4	20.9 $+11$	2	9.5	✓
28 $+10$	581	4	20.9 $+10$	59	9.5	✓
29						hot in sm.
30 $+10$	582	4	21.0 $+10$	8	9.5	✓
31 $+10$	584	4	22.4 $+10$	9	9.4	✓
32 $+10$	585	4	22.4 $+10$	27	9.5	✓
33 $+10$	586	4	22.7 $+10$	17	9.0	✓
34 $+10$	589	4	23.1 $+10$	6	9.2	✓
35 $+10$	587	4	⁹ 22.8 $+10$	46	9.5	✓
36 $+10$	590	4	23.2 $+10$	56	8.6	✓
37 $+11$	600	4	22.2 $+11$	16	9.5	✓
38 $+10$	591	4	23.5 $+10$	30	9.2	✓
39 $+10$	593	4	24.4 $+10$	18	9.2	✓
40 $+10$	594	4	24.7 $+10$	36	9.4	✓
41 $+11$	621	4	24.1 $+11$	16	9.5	✓
42						hot in sm.
43 $+12$	⁵⁹⁹ 58	4	21.5 $+12$	15	9.5	✓
44						hot in sm.
45 $+12$	601	4	22.5 $+12$	13	9.5	✓
46 $+12$	602	4	23.2 $+12$	5	9.5	✓
47						hot in sm.
48 $+12$	604	4	23.4 $+12$	38	8.9	✓
49						hot in sm.
50						hot in sm.

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F 8176

F.C.		m # 2985	
51	2	G ₅	G ₀
52	7	G ₀	F ₅
53	2	G ₅	G
54	1	G ₅	G
55	2	F ₅	F ₀
56	1	K ₂	K ₀
57	1	K ₀	G Omit.
58	2	M ₀	K ₂
59	6	G ₅	G ₀
60	1	F ₅	F ₅ ?
61	7	G ₀	G ₀
62	3	F ₈	F ₈
63	2	K ₇	M ₀
64	1	F ₈	F ₅
65	3	G ₀	F ₈
66	2	G ₀	F ₈
67	3	F₅	G₅ ^{Right} thin
68	6	F ₅	F ₅
69	2	F ₅	F ₅
70	3	F ₈	-
71	8	F ₅	-
72	1	A	A ₇
73	1	K ₀	G ₅ ?
74	2	G ₀	G ₀
75	3	A ₂	A ₂

One of those puzzling cases when K₀ and G₀ are difficult to distinguish. Calling it B

I 28005

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51 +12 ⁰	605	4	24.8	+12 ⁰	26	9.5	✓
52 +12	606	4	24.8 ⁹	+12	15	8.8	✓
53 +11	622	4	24.6	+11	54	9.4	✓
54 +11	624	4	25.0	+11	34	9.5	✓
55 +11	626	4	25.6	+11	22	9.5	✓
56 +11	628	4	26.8	+11	45	9.5	✓
57 +12	607	4	25.1	+12	32	9.5	✓
58 +12	609	4	26.2	+12	17	9.4	✓
59 +12	610	4	26.3	+12	27	9.2	✓
60							Not in Dm.
61 +11	629	4	27.5	+11	47	8.9	✓
62 +11	630	4	27.8	+11	45	9.5	✓
63 +11	631	4	28.0	+11	53	9.2	✓
64							Not in Dm.
65							Not in Dm.
66							Not in Dm.
67							Not in Dm.
68 +10	596	4	25.9	+10	3	9.1	✓
69							Not in Dm.
70 +9	605	4	27.5	+9	56	9.5	✓
71 +9	606	4	27.6	+9	54	8.5	✓
72							Not in Dm.
73							Not in Dm.
74							Not in Dm.
75							Not in Dm.

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NF 8176

F.C.

mfr
9285

76	5	G5	Ko
77	3	Ko	Ko
78	4	Ao	Ao
79	3	A5	Fo
80	1	Fo	-
81	1	F8	
82	2	F5	
83	3	G0	
84	1	G	
85	7	B9	
86	1	Ko	
87	5	G0	
88	5	G0	
89	6	G5	
90	3	A5	
91	2	A7	
92	4	Ko	
93	6	A5	
94	1	F2	
95	2	Fo	
96	4	F2	
97	5	Ao	
98	3	F8	
99	2	G0	
100	4	F5	

I 28005

Feb. 13, 1931

76 +11 ⁰	633	4 ^L	28.6	+11 ⁰	36'	9.5	✓
77 +11	634	4 ^h	29.2	+11	55	9.5	✓
78 +12	616	4	29.3	+12	12	9.5	✓
79							Not in Dm.
80							Not in Dm.
81							Not in Dm.
82							Not in Dm.
83 +11	635	4	30.7	+11	55	9.5	✓
84							Not in Dm.
85 +11	636	4	30.9	+11	42	8.5	✓
86 +11	637	4	31.0	+11	56	9.5	✓
87 +10	604	4	31.2	+10	39	9.2	✓
88 +10	603	4	31.2	+10	45	9.3	✓
89 +10	605	4	31.2	+10	58	9.2	✓
90 +11	638	4	31.6	+11	18	9.5	✓
91	6						Not in Dm.
92 +10	602	4	31.1	+10	14	9.2	✓
93 +10	601	4	31.1	+10	6	9.2	✓
94	6						Not in Dm.
95 +10	607	4	32.8	+10	22	9.5	✓
96 +9	625	4	32.7	+9	54	9.3	✓
97 +9	627	4	33.4	+9	57	9.3	✓
98 +10	612	4	33.9	+10	6	9.3	✓
99 +10	613	4	34.0	+10	13	9.5	✓
100 +10	615	4	34.4	+10	10	9.5	✓

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NF 8176

F.C.

101	3	K ₀
102	4	K ₀
103	3	F ₈
104	2	K ₀
105	2	G ₀
106	2	F ₈
107	1	K ₇
108	1	G ₅
109	3	A ₂
110	3	G ₀
111	1	G ₅
112	3	F ₀
113	4	F ₂
114	1	K ₀
115	3	K ₀
116	3	K ₂
117	7	G ₅
118	3	F ₅
119	1	F ₈
120	2	F ₅
121	1	K ₀
122	2	G ₀
123	2	F ₈
124	5	G ₀
125	5	G ₅

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101 +10°	616	4	34.5	+10°	4	9.5	✓
102 +10	617	4	34.7	+10	0	9.3	✓
103 +9	629	4	34.6	+9	50	9.5	✓
104 +9	634	4	35.4	+9	54	9.4	✓
105 +10	606	4	32.2	+10	45	9.5	✓
106 +10	608	4	33.2	+10	44	9.5	✓
107 +10	609	4	33.3	+10	47	9.5	✓
108 +10	610	4	33.5	+10	33	9.5	✓
109 +10	611	4	33.7	+10	41	9.5	✓
110 +10	614	4	34.3	+10	50	9.4	✓
111 +11	642	4	34.4	+11	7	9.5	✓
112 +11	641	4	34.0	+11	34	9.5	✓
113 +11	640	4	33.7	+11	48	9.5	✓
114							Not in Dm.
115 +12	626	4	32.8	+12	20	9.3	✓
116 +12	627	4	32.8	+12	18	9.3	✓
117 +12	628	4	33.0	+12	18	9.0	✓
118 +12	629	4	33.2	+12	27	9.5	✓
119							Not in Dm.
120							Not in Dm.
121							Not in Dm.
122							Not in Dm.
123 +12	632	4	35.0	+12	34	9.5	✓
124 +12	633	4	35.3	+12	9	9.2	✓
125 +12	636	4	35.4	+12	4	8.8	✓

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MF 8176

F.C.

126	9.	A2
127	5	G5
128	9	F8
129	6	B9
130	3	A2
131	1	G
132	1	K2
133	1	G5
134	1	G5
135	3	A7
136	1	K0
137	2	F5
138	1	G5
139	2	K0
140	4	K2
141	3	K2
142	1	G5
143	6	F8
144	2	F0
145	4	A0
146	6	A2
147	5	A0
148	2	K0
149	2	F8
150	4	K7

I 41528

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126 +12 ⁰	639	4 ^h	36.0	+12 ⁰	8'	9.5	✓
127 +12 ⁰	637	4 ^h	35.8	+12	25	9.3	✓
128 +11	644	4	37.4	+11	48	9.5	✓
129 +11	645	4	37.8	+11	34	9.4	✓
130							Not in Sm.
131							Not in Sm.
132 +10	618	4	35.5	+10	52	9.5	✓
133 +10	619	4	35.5	+10	25	9.5	✓
134							Not in Sm.
135 +10	622	4	36.7	+10	47	9.5	✓
136							Not in Sm.
137							Not in Sm.
138							Not in Sm.
139 +10	623	4	37.2	+10	15	9.5	✓
140 +10	624	4	37.3	+10	26	9.0	✓
141 +10	626	4	37.6	+10	24	9.4	✓
142							Not in Sm.
143 +9	648	4	37.8	+9 ¹⁰	00	9.2	✓
144							Not in Sm.
145 +10	628	4	39.3	+10	27	9.5	✓
146 +10	629	4	39.5	+10	26	9.1	✓
147 +10	631	4	39.8	+10	4	9.2	✓
148 +10	635	4	40.3	+10	17	9.5	✓
149 +10	636	4	40.4	+10	22	9.5	✓
150 +10	644	4	40.7	+10	8	9.0	✓

Jan. 16, 1931

n F. 8176

F.C.

151	5	A2
152	1	F5
153	1	G
154	4	A0
155	2	A
156	5	A2
157	3	A2
158	1	A
159	5	A2
160	4	A3
161	2	A0
162	3	G5
163	4	G5
164	4	A
165	2	A2
166	4	A0
167	2	A3
168	2	K0
169	4	A2
170	3	A5
171	1	K5
172	4	A2
173	4	G5
174	4	K7
175	3	G0

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151 +10°	⁶ 245	4	[~] 40.9	+10°	7	9.4	✓
152							not in Dm.
153							not in Dm.
154 +10	⁶ 250	4	41.8	+10	29	9.5	✓
155 +10	⁶ 247	4	41.3	+10	24	9.5	✓
156 +10	⁶ 246	4	41.3	+10	28	9.3	✓
157 +10	⁶ 248	4	⁴ 41.5	+10	36	9.5	✓
158							not in Dm.
159 +10	643	4	40.7	+10	37	9.1	✓
160 +10	642	4	40.7	+10	36	9.2	✓
161							not in Dm.
162 +10	640	4	40.5	+10	42	9.0	✓
163 +10	639	4	40.5	+10	40	8.8	✓
164 +10	638	4	40.5	+10	40	9.5	✓
165							not in Dm.
166 +10	637	4	40.4	+10	40	9.5	✓
167							not in Dm.
168 +11	³ 656	4	41.3	+11	15	9.5	slight error about 2 in the catalogue on this chart.
169 +10	³ 634	4	^{40.0} 39.7	+10	⁴¹ 36	9.5	✓
170 +10	630	4	39.7	+10	36	9.5	✓
171 +10	632	4	39.8	+10	57	9.5	✓
172 +11	652	4	40.0	+11	11	9.5	✓
173 +10	627	4	38.9	+10	53	9.5	✓
174 +11	649	4	38.9	+11	1	9.0	✓
175							not in Dm.

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MF 8176

F.C.

176	2	A5
177	4	F8
178	1	F8
179	4	A5
180	7	G0
181	1	F5
182	3	G5
183	1	K5
184	1	K7
185	4	G5
186	3	F2
187	1	K5
188	2	A5
189	5	F2
190	1	F8
191	6	B9
192	5	B9
193	3	F8
194	1	G
195	3	F5
196	5	A2
197	2	G0
198	7	G5
199	2	A5
200	1	G

Reprint fig. 8202 shows hyd. as in F8.

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176							Not in Sm.
177	+10°	648	4	38.3	+11°	42	9.5 ✓
178							Not in Sm.
179	+11	650	4	39.0	+11	48	9.5 ✓
180	+11	651	4	39.6	+11	31	9.0 ✓
181							Not in Sm.
182	+12	650	4	39.5	+12	1	9.5 ✓
183							Not in Sm.
184	+11	653	4	40.6	+11	59	9.5 ✓
185							Not in Sm.
186	+12	657	4	41.0	+12	6	9.5 ✓
187							Not in Sm.
188	+11	654	4	41.0	+11	25	9.5 ✓
189	+11	657	4	41.4	+11	14	9.3 ✓
190	+11	659	4	42.0	+11	16	9.5 ✓
191	+10	652	4	42.5	+10	44	9.4 ✓
192	+10	653	4	43.1	+10	54	9.4 ✓
193	+10	657	4	43.4	+10	47	9.5 ✓
194							Not in Sm.
195	+10	655	4	43.2	+10	26	9.5 ✓
196	+10	658	4	43.7	+10	36	9.3 ✓
197	+10	660	4	43.8	+10	20	9.5 ✓
198	+10	661	4	44.0	+10	33	9.0 ✓
199	+10	662	4	44.1	+10	24	9.5 ✓
200							Not in Sm.

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MF 8176

F.C.

201	5	A0
202	4	G0
203	1	K2
204	3	G0
205	5	A2
206	5	F5
207	3	G0
208	4	K2
209	5	A0
210	2	K2
211	1	G5
212	4	A0
213	3	F2
214	2	F8
215	1	K7
216	2	K7
217	2	K0
218	3	A3
219	3	K5
220	1	K5
221	1	F5
222	1	G
223	1	K
224	2	F8
225	5	A7

Comp? H lines rather faint

I 38350

Feb. 14, 1931

201	+13	676	4	16.5	+13 ⁰	26'	9.3	✓
202	+13	675	4	16.2	+13	40	9.5	✓
203								Not in Dm.
204	+14	695	4	16.4	+14	6	9.3	✓
205	+14	694	4	16.1	+14	23	9.2	✓
206	+14	696	4	17.1	+14	16	8.9	✓
207	+13	677	4	17.6	+13	50	9.5	✓
208	+13	679	4	18.0	+13	45	8.9	✓
209	+13	680	4	18.1	+13	38	9.0	✓
210	+13	684	4	19.2	+13	55	9.4	✓
211								Not in Dm.
212	+13	686	4	19.9	+13	52	9.2	✓
213	+13	683	4	19.1	+13	24	9.5	✓
214								Not in Dm.
215	+13	678	4	17.8	+13	0	9.5	✓
216								Not in Dm.
217								Not in Dm.
218	+12	596	4	19.4	+12	49	9.5	✓
219	+12	594	4	19.2	+12	30	9.2	✓
220	+13	687	4	20.4	+13	0	9.5	✓
221								Not in Dm.
222								Not in Dm.
223	+13	683	4	19.1	+13	24	9.5	Not in Dm.
224								Not in Dm.
225	+12	600	4	21.8	+12	51	9.3	✓
	+13	693	4	23.5	+13	49	9.3	✓

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mF 8176

F.C.

226	1	G
227	1	G ₀
228	4	K ₀
229	1	F
230	3	F ₀
231	2	F ₅
232	2	G ₀
233	2	A ₅
234	1	F ₀
235	3	F ₈
236	1	G ₅
237	1	A ₇
238	2	K ₀
239	1	F ₅
240	1	G ₅
241	1	F ₂
242	1	K ₂
243	1	G ₅
244	2	F ₂
245	3	K ₂
246	2	F ₈
247	1	K
248	1	K ₇
249	2	F ₀
250	2	F ₈

Omit. Inft.

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226							Phot in Dm.
227							Phot in Dm.
228 +14°	699	4	^h	19.5	+14°	5	9.3
229							Phot in Dm.
230 +14	706	4		22.1	+14	4	9.5
231							Phot in Dm.
232 +14	709	4		22.6	+14	2	9.5
233							Phot in Dm.
234							Phot in Dm.
235 +13	693	4		23.5	+13	49	9.3
236 +12	⁶ 703	4		23.4	+12	53	9.5
237							Phot in Dm.
238 +13	694	4		24.2	+13	5	9.5
239							Phot in Dm.
240							Phot in Dm.
241							Phot in Dm.
242 +13	695	4		25.1	+13	29	9.5
243							Phot in Dm.
244 +14	714	4		23.4	+14	17	9.4
245 +14	713	4		23.3	+14	24	9.0
246 +14	716	4		23.7	+14	22	9.5
247							Phot in Dm.
248							Phot in Dm.
249							Phot in Dm.
250							Phot in Dm.

Jan. 21, 1931

NF 8176

F.C.

251	4	K5
252	1	K7
253	2	K2
254	2	K0
255	1	F8
256	1	G5
257	1	K
258	1	K5
259	2	G5
260	2	F2
261	3	G5
262	3	F5
263	2	A5
264	2	F8
265	3	K2
266	4	A0
267	2	G0
268	5	F2
269	2	K7
270	1	K0
271	1	G0
272	6	G5
273	2	F5
274	5	G0
275	4	G5

G0 on re-exam. Hyd. looking for F15

I 38350

Feb. 14, 1931

251 +14°	722	4 ^h	26.1	+14°	40'	8.7	✓
252 +14	723	4	26.4	+14	44	9.4	✓
253 +13	696	4	26.7	+13	11	9.5	✓
254 +13	697	4	27.2	+13	2	9.5	✓
255							Not in Dm.
256 +12	711	4	27.5	+12	24	9.4	✓
257							Not in Dm.
258							Not in Dm.
259							Not in Dm.
260 +12	712	4	27.5	+12	55	9.5	✓
261 +13	698	4	27.7	+13	18	9.5	✓
262 +12	713	4	28.3	+12	49	9.5	✓
263							Not in Dm.
264 +12	714	4	28.6	+12	52	9.5	✓
265 +12	715	4	28.8	+12	25	9.3	✓
266 +12	717	4	29.8	+12	55	9.4	✓
267							Not in Dm.
268 +12	719	4	31.0	+12	13	8.8	✓
269 +12	723	4	31.7	+12	27	9.3	✓
270							Not in Dm.
271							Not in Dm.
272 +12	722	4	31.5	+12	51	8.9	✓
273 +12	721	4	31.2	+12	58	9.3	✓
274 +13	705	4	31.8	+13	12	8.9	✓
275 +13	704	4	31.5	+13	23	9.0	✓

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F 8176

F.C.

276	3	G5
277	2	G0
278	4	M0
279	2	G0
280	1	K0
281	1	G5
282	1	G5
283	2	M0
284	1	K7
285	2	M0
286	1	G5
287	2	K2
288	2	A2
289	3	F5
290	1	F
291	1	G5
292	1	A5
293	1	K0
294	2	G5
295	2	K0
296	1	F0
297	2	K2
298	1	K7
299	2	G0
300	6	G0

Ornith. Torp.
Ornith. " "

Ornith. Torp.

I 38350

Feb. 14, 1931

276 +13°	701	4	30.3	+13°	33'	9.5	✓
277							Phot in Dm.
278 +13	699	4	29.2	+13	38	8.7	✓
279							Phot in Dm.
280							Phot in Dm.
281							Phot in Dm.
282							Phot in Dm.
283 +14	727	4	29.0	+14	6	9.3	✓
284							Phot in Dm.
285 +14	730	4	29.5	+14	12	9.3	✓
286							Phot in Dm.
287 +14	725	4	28.6	+14	42	9.5	✓
288							Phot in Dm.
289 +14	731	4	30.7	+14	23	9.4	✓
290							Phot in Dm.
291							Phot in Dm.
292							Phot in Dm.
293 +15	658	4	29.1	+15	33	9.5	✓
294							Phot in Dm.
295							Phot in Dm.
296							Phot in Dm.
297							Phot in Dm.
298 +15°	652	4	26.8	+15	0	9.4	✓
299							Phot in Dm.
300 +14	721	4	25.7	+14	51	8.5	✓

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m78176

Jan 22, 1931

D.C

301	4	K ⁰ ₃₀₁	
302	2	H ₅	Refract. G ₀ . Hyd. too strong. Very heavy and indistinct.
303	2	A ₇	
304	3	A	
305	3	G ₀	
306	5	F ₈	
307	2	F ₅	
308	2	A ₃	
309	6	H ₅	
310	6	A ₀	
311	2	F ₅	
312	1	F ₈	
313	2	G ₀	
314	4	G ₀	
315	1	H ₅	
316	3	F ₅	
317	2	H ₅	
318	1	H	
319	1	K ₇	Soft - Omicron
320	1	K ₇	" " "
321	2	F ₂	
322	4	A ₂	
323	1	K ₅	Soft - Omicron
324	2	G ₀	
325	2	K ₂	

I 40830

Feb. 14, 1931

301	+15°	650	4 ^h	26.2 ² +15°	31'	9.1	✓
302							✓ not in dm.
303							✓ not in dm.
304							✓ not in dm.
305	+16	619	4	25.2 +16	9	9.2	✓
306	+16	618	4	25.2 +16	12	9.2	✓
307							✓ not in dm.
308							✓ not in dm.
309	+16	620	4	25.3 +16	26	9.0	✓
310	+16	622	4	25.7 +16	26	9.0	✓
311	+16	623	4	26.2 +16	12	9.5	✓
312							✓ not in dm.
313							✓ not in dm.
314	+16	626	4	27.2 +16	40	9.4	✓
315	+16	628	4	27.5 +16	6	9.3	✓
316	+15	655	4	28.2 +15	52	9.5	✓
317							✓ not in dm.
318							✓ not in dm.
319							✓ not in dm.
320							✓ not in dm.
321							✓ not in dm.
322							✓ not in dm.
323							✓ not in dm.
324							✓ not in dm.
325							✓ not in dm.

Jan 22, 1931

m7 8176

N.C.

326	1	H	
327	5	A ₀	
328	2	F8	
329	1	F5	Large. Omit
330	2	H5	
331	2	K2	
332	1	H	Large. Omit.
333	2	H ₀	
334	3	K5	
335	1	F8	
336	2	K7	
337	2	K5	
338	1	K5	
339	2	K7	
340	1	K ₀	
341	1	F8	
342	1	A7	
343	3	H ₀	
344	6	H5	
345	3	A2	
346	2	H5	
347	6	H5	
348	1	F5	
349	1	H5	
350	2	H ₀	

I 40830

Feb. 14, 1931

326								Not in Dm.
327	+15°	664	4	30.7	+15°	15'	8.9	✓
328								Not in Dm.
329								Not in Dm.
330	+14	733	4	32.0	+14	15	9.5	✓
331	+14	734	4	32.1	+14	16	9.5	✓
332								Not in Dm.
333								Not in Dm.
334	+13	706	4	34.1	+13	41	9.3	✓
335								Not in Dm.
336	+12	630	4	33.3	+12	50	9.5	✓
337	+12	625	4	32.7	+12	37	9.5	✓
338								Not in Dm.
339	+12	624	4	32.4	+12	55	9.5	✓
340								Not in Dm.
341								Not in Dm.
342								Not in Dm.
343	+13	707	4	34.5	+13	2	9.5	✓
344	+13	708	4	34.9	+13	11	9.0	✓
345	+13	709	4	36.1	+13	7	9.5	✓
346	+12	7640	4	36.1	+12	49	9.5	✓
347	+12	641	4	36.2	+12	53	8.7	✓
348								Not in Dm.
349								Not in Dm.
350								Not in Dm.

m78176

Jan 22, 1931

D.C.

351	4	G ₀	
352	1	K ₇	Omit. F ₁ t.
353	2	F ₂	" "
354	1	G ₅	" "
355	1	F ₂	
356	3	G ₀	
357	2	F ₅	
358	1	F ₈	
359	4	F ₈	
360	1	G ₅	
361	1	G	
362	1	K ₅	
363	2	K ₀	
364	4	B ₉	
365	3	A ₀	
366	6	A ₀	
367	3	M ₀	Red end deficient. K ₂ um 8202. Adph.
368	4	G ₀	
369	3	A ₀	
370	1	K ₀	Low pt. Omit.
371	3	G ₀	
372	2	F ₅	
373	2	G ₀	
374	1	G ₅	
375	2	F ₀	

I 40830

Feb. 14, 1931

351 +13°	710	4 ^h	36.4	+13°	33'	9.5	✓
352							✓ not in 2m.
353							✓ not in 2m.
354							✓ not in 2m.
355							✓ not in 2m.
356 +13	715	4	38.2	+13	35	9.5	✓
357 +12	643	4	37.7	+12	46	9.5	✓
358							✓ not in 2m.
359 +12	645	4	38.2	+12	29	9.4	✓
360 +12	642	4	37.4	+12	12	9.5	✓
361 +12	644	4	37.8	+12	9	9.5	✓
362 +11	647	4	38.1	+11	58	9.5	✓
363							✓ not in 2m.
364 +12	647	4	39.0	+12	24	9.4	✓
365							✓ not in 2m.
366 +13	716	4	39.6	+13	35	9.2	✓
367 +14	758	4	39.5	+14	15	9.2	✓
368 +14	756	4	39.4	+14	21	9.0	✓
369 +14	755	4	38.9	+14	40	9.5	✓
370 +14	750	4	38.0	+14	52	9.5	✓
371 +14	749	4	37.6	+14	53	9.4	✓
372 +14	748	4	37.0	+14	57	9.5	✓
373 +15	674	4	37.4	+15	13	9.5	✓
374 +14	747	4	37.0	+14	33	9.5	✓
375							✓ not in 2m.

Jan 22, 1931

M 78126

D.C

376	3	A0	
377	4	K0	
378	2	K5	
379	1	K	Large Omic
380	3	A5	
381	1	G5	Sup. in 280. Uncertain. Not Confirmed in 19653
382	1	A3	
383	1	A5	
384	1	A5	Large Omic
385	4	F5	
386	1	A	
387	1	K	
388	2	G0	
389	1	G5	
390	1	G	Large Omic.
391	3	K0	
392	4	A0	
393	4	K0	
394	4	A0	
395	3	K0	
396	2	K7	
397	3	A0	
398	1	F8	Large Omic.
399	2	F2	
400	4	G0	

I 40830

Feb. 14, 1931

376 +14°	744	4	36.2	+14°	27	9.5	✓
377 +14	743	4	35.9	+14	16	9.2	✓
378 +14	742	4	35.5	+14	24	9.4	✓
379 +14	740	4	35.2	+14	33	9.5	✓
380 +14	741	4	35.2	+14	10	9.5	✓
381 +14	739	4	35.2	+14	5	9.5	✓
382							not in Dm.
383							not in Dm.
384							not in Dm.
385 +15	667	4	33.1	+15	14	9.3	✓
386							not in Dm.
387 +15	668	4	33.7	+15	51	9.4	✓
388 +15	671	4	35.5	+15	33	9.5	✓
389 +15	673	4	36.6	+15	44	9.5	✓
390							not in Dm.
391 +15	676	4	37.7	+15	59	9.5	✓
392 +15	677	4	38.1	+15	44	9.4	✓
393 +15	679	4	38.7 ⁸	+15	28	9.3	✓
394							not in Dm.
395 +16	650	4	38.7	+16	27	9.4	✓
396 +17	781	4	38.0	+17	6	9.3	✓
397							not in Dm.
398							not in Dm.
399							not in Dm.
400 +16	647	4	35.7	+16	49	9.5	✓

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m78176

Jan 22, 1931

D.C

401	1	K ₀
402	1	F ₅
403	3	K ₀
404	2	A ₀
405	3	D ₀
406	1	K ₀
407	2	D ₅
408	3	K ₀
409	2	F ₅
410	2	K ₇
411	4	K ₀
412		
413	3	D ₅
414	3	K ₂
415	4	K ₇
416	2	D ₅
417	1	F ₈
418	1	D ₀
419	4	D ₀
420	5	F ₈
421	4	A ₃
422	3	A ₀
423	2	D ₀
424	4	F ₈
425	1	K ₅

I 40830

Feb. 24, 1931

401					Not in Dm.
402					Not in Dm.
403 +15°	620	4 ^h	17.3 +15°	11	9.4
404 +15°	622	4	17.5 +15	18	9.5
405					Not in Dm.
406					Not in Dm.
407					Not in Dm.
408 +15	628	4	19.5 +15	6	9.4
409					Not in Dm.
410 +14	698	4	19.3 +14	28	9.0
411 +14	705	4	20.8 +14	17	9.3
412					Not in Dm.
413					Not in Dm.
414 +15	634	4	21.2 +15	55	9.5
415 +16	607	4	21.2 +16	9	9.5
416					Not in Dm.
417					Not in Dm.
418					Not in Dm.
419 +16	604	4	19.4 +16	24	9.5
420 +16	603	4	19.0 +16	11	9.5
421 +16	599	4	18.2 +16	11	9.5
422					Not in Dm.
423 +16	596	4	17.5 +16	14	9.4
424 +16	594	4	17.4 +16	19	9.4
425					Not in Dm.

m78176

D. C

426	3	A0	Regist. Co. Trans very poor. See 9985
427	2	H5	
428	1	H5	
429	1	H0	
430	2	H5	
431			
432			
433			
434			
435			
436			
437			
438			
439			
440			
441			
442			
443			
444			
445			
446			

I 40830

Feb. 24, 1931

426	+15°	623	4 ^h	17.8	+15°	41'	9.5	✓
427								✓ not in sm.
428								✓ not in sm.
429								✓ not in sm.
430	+16	593	4	16.7	+16	38	9.4	✓

120

m78176

D.C.

451

122

m78176

D.C

476

Jan. 23, 1931

MF 8202

F.C.

1	5	G0
2	4	A0
3	2	F5
4	6	K2
5	5	A0
6	2	F5
7	8	A0
8	3	A7
9	2	G5
10	5	G0
11	4	K2
12	7	A2
13	8	A0
14	2	G0
15	5	A0
16	3	G0
17	4	G0
18	4	A7
19	4	A2
20	2	F5
21	4	A0
22	3	A3
23	1	K5
24	1	G5
25	6	A2

Repeat F5 Edge. 830898176 shows it Ar

I 28491

Feb. 17, 1931

1 +9°	672	4	44.6	+9°	59	9.4	✓
2 +10	666	4	44.8	+10	8	9.5	✓
3							Not in sm. ✓
4 +10	668	4	45.9	+10	6	9.0	✓
5 +9	679	4	46.2	+9	46	9.5	✓
6 +9	680	4	46.4	+9	40	9.5	✓
7 +9	682	4	46.7	+9	54	9.0	✓
8 +10	669	4	45.9	+10	21	9.5	✓
9							Not in sm. ✓
10 +10	663	4	44.3	+10	38	9.5	✓
11 +10	664	4	44.5	+10	34	9.4	✓
12 +10	665	4	44.6	+10	36	9.4	✓
13 +10	659	4	43.8	+10	54	9.1	✓
14							Not in sm. ✓
15 +11	665	4	44.4	+11	8	9.3	✓
16 +11	668	4	45.0	+11	1	9.2	✓
17 +11	669	4	45.0	+11	2	9.1	✓
18 +10	667	4	45.6	+10	47	9.5	✓
19 +11	660	4	43.2	+11	16	9.5	✓
20 +11	661	4	43.4	+11	26	9.5	✓
21 +11	662	4	43.6	+11	35	9.3	✓
22 +11	663	4	43.9	+11	28	9.5	✓
23 +11	664	4	44.0	+11	26	9.5	✓
24 +11	666	4	44.4	+11	37	9.5	✓
25 +11	667	4	44.7	+11	29	9.3	✓

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Jan. 23, 1931

MF 8202

F.C.

26	2	A7
27	3	G0
28	1	A
29	1	K0
30	4	K0
31	3	K0
32	7	A3
33	8	G0
34	4	G0
35	1	K
36	7	A0
37	1	G 3
38	7	A2
39	2	K7
40	1	G5
41	2	G0
42	1	F8
43	2	F5
44	6	A0
45	4	A2
46	2	F2
47	1	F5
48	3	K7
49	5	K0
50	1	F5

Double star. Omicron

Omicron very ft. mark

I 28491

Feb. 17, 1931

26							hot in dm. ✓
27							hot in dm. ✓
28							hot in dm. ✓
29							hot in dm. ✓
30	+10°	671	4	46.4	+10°	56' 9.4	✓
31							hot in dm. ✓
32	+9	684	4	47.1	+9	49 9.5	✓
33	+9	686	4	47.5	+9	58 9.0	✓
34	+9	687	4	47.6	+9	57 9.2	✓
35	+10	672	4	47.4	+10	8 9.5	✓
36	+9	689	4	48.2	+9	59 9.1	✓
37							hot in dm. ✓
38	+9	690	4	48.7	+9	59 9.3	✓
39	+10	673	4	48.8	+10	22 9.5	✓
40							hot in dm. ✓
41							hot in dm. ✓
42							hot in dm. ✓
43							hot in dm. ✓
44	+10	674	4	48.8	+10	46 9.5	✓
45							hot in dm. ✓
46	+11	681	4	48.4	+11	2 9.5	✓
47							hot in dm. ✓
48	+11	683	4	48.8	+11	4 9.3	✓
49	+10	687	4	49.4	+10	36 9.5	✓
50	+10	688	4	49.5	+10	11 9.5	✓

Jan. 23, 1931

F 8202

F.C.

51	6	G ₀
52	7	A ₂
53	3	A ₄
54	5	K ₀
55	1	K ₂
56	3	G ₀
57	3	K ₇
58	5	G ₀
59	4	K ₅
60	1	G ₅
61	1	F ₅
62	2	F
63	2	K ₂
64	8	K ₀
65	7	G ₀
66	5	F ₈
67	2	K ₂
68	2	A ₀
69	3	A ₃
70	7	A ₀
71	1	K ₀
72	4	G ₅
73	2	F ₈
74	2	A ₃
75	2	F ₅

Better focus on 8308

Onish. Ft. on all plates.

~~Comp? K looks fainter than 817~~ ⁶

I 28491

Feb. 17, 1931

51	+9°	693	4	49.2	+9°	49'	9.3	✓
52	+9	697	4	50.3	+9	46	9.0	✓
53								not in Dm. ✓
54	+10	679	4	50.0	+10	14	9.2	✓
55								not in Dm. ✓
56								not in Dm. ✓
57	+11	688	4	49.9	+11	4	9.5	✓
58	+11	685	4	49.3	+11	17	9.4	✓
59	+11	684	4	49.3	+11	26	9.3	✓
60	+11	686	4	49.4	+11	29	9.5	✓
61								not in Dm. ✓
62								not in Dm. ✓
63								not in Dm. ✓
64	+11	677	4	47.2	+11	33	8.8	✓
65	+11	676	4	46.9	+11	42	9.3	✓
66	+11	679	4	47.5	+11	56	9.3	✓
67	+12	679	4	47.9	+12	1	9.4	✓
68								not in Dm. ✓
69	+11	682	4	48.8	+11	53	9.5	✓
70	+12	682	4	49.2	+12	2	9.1	✓
71								not in Dm. ✓
72	+11	687	4	49.4	+11	55	9.5	✓
73								not in Dm. ✓
74								not in Dm. ✓
75	+12	681	4	49.0	+12	30	9.4	✓

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Jan 23, 1931

NF 8202

F.C.

76	5	A2
77	3	A0
78	1	G
79	3	A2
80	3	G0
81	7	G5
82	2	K2
83	1	K5
84	4	F A7
85	3	K F5
86	1	A7
87	4	F0
88	1	F2
89	4	A5
90	2	F8
91	2	G
92	3	G0
93	2	F8
94	2	F2
95	4	K5
96	3	A0
97	4	A0
98	4	F8
99	7	K0
100	3	A2

very much supersaturated. Difficult. On 8197, 8308,
 8174 (best) classed as *emitted*.
 Doubt. Indistinct. Can not confirm

Uncertain. Another star supersaturated?

I 28491

Feb. 17, 1931

76	+12°	683	4	49.4	+12°	21	9.5	✓
77							hot in sm.	✓
78							hot in sm.	✓
79							hot in sm.	✓
80	+12	684	4	49.9	+12	49	9.5	✓
81	+12	685	4	50.3	+12	33	8.8	✓
82	+11	689	4	50.8	+11	58	9.5	✓
83							hot in sm.	✓
84	+11	691	4	50.8	+11	41	9.5	✓
85	+11	690	4	50.8	+11	44	9.0	✓
86							hot in sm.	✓
87	+11	693	4	51.4	+11	22	9.3	✓
88							hot in sm.	✓
89	+11	692	4	51.1	+11	11	9.3	✓
90	+11	694	4	51.6	+11	7	9.3	✓
91							hot in sm.	✓
92	+10	681	4	51.1	+10	38	9.5	✓
93							hot in sm.	✓
94							hot in sm.	✓
95	+10	680	4	51.1	+10	0	9.3	✓
96							hot in sm.	✓
97	+9	698	4	51.5	+9	41	9.5	✓
98	+9	700	4	51.6	+9	58	9.5	✓
99	+10	682	4	51.6	+10	6	9.0	✓
100	+9	703	4	51.3	+9	45	9.5	✓

Jan. 26, 1931

MF 8202

F.C.

101	4	G ₅
102	7	G ₀
103	3	F ₀
104	10	F
105	1	F ₂
106	2	F ₅
107	4	K ₀
108	2	F ₈
109	3	G ₅
110	6	K ₀
111	7	F ₈
112	1	F
113	2	K ₅
114	7	A ₀
115	7	G ₅
116	2	F ₂
117	2	F ₈
118	3	G ₅
119	1	G ₅
120	2	F ₈
121	1	F ₀
122	5	K ₀
122a	1	A
123	2	G ₀
124	2	K ₅
125	5	G ₀

fall. a very bright star

I 28491

Feb. 17, 1931

101 +9°	704	4 ^h	52.3	+9°	50'	9.5	✓
102 +10	686	4	52.4	+10	3	9.1	✓
103						hot in sm.	✓
104 +10	685	4	52.0	+10	10	8.0	✓
105						hot in sm.	✓
106						hot in sm.	✓
107 +10	683	4	51.8	+10	44	9.3	✓
108						hot in sm.	✓
109						hot in sm.	✓
110 +11	697	4	52.5	+11	7	9.3	✓
111 +11	699	4	53.1	+11	11	9.2	✓
112						hot in sm.	✓
113						hot in sm.	✓
114 +10	690	4	53.2	+10	18	9.5	✓
115 +10	689	4	53.1	+10	28	9.5	✓
116						hot in sm.	✓
117						hot in sm.	✓
118 +10	691	4	53.2	+10	52	9.5	✓
119						hot in sm.	✓
120						hot in sm.	✓
121						hot in sm.	✓
122 +10	692	4	53.8	+10	59	9.2	✓
122a						hot in sm.	✓
123						hot in sm.	✓
124 +10	693	4	54.0	+10	26	9.5	✓
125 +9	707 ⁸	4	53.6	+10	0	9.2	✓

Jan. 26, 1931

MF 8202

F.C.

126	3	G ₀
127	6	A ₂
128	5	G ₅
129	2	F ₂
130	4	K ₂
131	2	F ₀
132	1	G ₅ ⁻
133	3	K ₀
134	8	A
135	3	F ₈
136	1	A ₇
137	2	G ₅ ⁻
138	2	F ₂
139	7	K ₀
140	4	F ₅ ⁻
141	4	A ₃
142	2	K ₂
143	1	G ₅ ⁻
144	2	F ₅ ⁻
145	3	F ₂
146	1	K ₂
147	1	K ₀
148	2	F ₅ ⁻
149	3	G ₀
150	2	K ₂

I 28491

Feb. 17, 1931

126	+9°	704 ⁹	4 ^h	53.8	+9°	00	9.3	
127	+10°	694	4 ^L	54.0	+10	2	9.1	✓
128	+10	695	4	54.0	+10	11	9.3	✓
129								Not in Sm. ✓
130	+10	696	4	54.3	+10	24	9.4	✓
131								Not in Sm. ✓
132								Not in Sm. ✓
133	+10	699	4	55.1	+10	3	9.5	✓
134	+9	718	4	55.3	+9	49	9.0	✓
135								Not in Sm. ✓
136								Not in Sm. ✓
137								Not in Sm. ✓
138								Not in Sm. ✓
139	+10	697	4	54.9	+10	44	8.9	✓
140	+10	698	4	55.0	+10	59	9.3	✓
141	+11	706	4	55.4	+11	6	9.5	✓
142	+11	707	4	55.5	+11	14	9.4	✓
143								Not in Sm. ✓
144	+11	705	4	55.2	+11	24	9.5	✓
145								Not in Sm. ✓
146	+11	703	4	54.6	+11	24	9.5	✓
147								Not in Sm. ✓
148								Not in Sm. ✓
149								Not in Sm. ✓
150								Not in Sm. ✓

Jan. 26, 1931

MF. 8202

F.C.

151	2	A5
152	1	A
153	4	K0
154	2	F8
155	2	G0
156	1	G0
157	4	A0
158	1	A
159	4	A0
160	4	K2
161	3	G0
162	3	K0
163	7	A2
164	3	F2
165	1	F0
166	2	K5
167	1	F5
168	2	K5
169	7	G0
170	2	K7
171	5	M0
172	3	G0
173	4	G0
174	1	F5
175	6	A5

I 28491

Feb. 17, 1931

151							hot in sm. ✓
152							hot in sm. ✓
153 +12°	712	4 ^h	54.7	+12°	14	9.3	✓
154							hot in sm. ✓
155 +12	711	4	54.7	+12	4	9.5	✓
156							hot in sm. ✓
157 +11	701	4	53.5	+11	56	9.5	✓
158							hot in sm. ✓
159							hot in sm. ✓
160 +11	700	4	53.1	+11	56	9.0	✓
161 +11	698	4	52.7	+11	44	9.5	✓
162 +12	702	4	52.9	+12	3	9.5	✓
163 +12	698	4	52.6	+12	6	9.2	✓
164							hot in sm. ✓
165							hot in sm. ✓
166 +11	696	4	51.8	+11	37	9.5	✓
167							hot in sm. ✓
168 +11	695	4	51.7	+11	55	9.5	✓
169 +12	696	4	52.1	+12	12	9.0	✓
170 +12	692	4	51.1	+12	28	9.3	✓
171 +12	695	4	51.4	+12	36	8.4	✓
172 +12	693	4	51.2	+12	49	9.3	✓
173 +12	691	4	51.1	+12	49	9.1	✓
174 +12	690	4	51.0	+12	54	9.5	✓
175 +12	689	4	51.0	+12	42	9.1	✓

assuming error?
2' in Dec.

Jan. 26, 1931

MF 8202

F.C.

176	7	F ₂
177	3	K ₇
178	1	F ₅
179	2	F
180	2	G ₀
181	4	G ₀
182	3	K ₀
183	1	A ₅
184	4	F ₈
185	3	K ₀
186	1	G ₅
187	6	F ₂
188	2	F ₈
189	1	G
190	4	F ₅
191	8	A ₂
192	3	F ₅
193	6	A ₂
194	3	G ₀
195	1	K ₀
196	2	G ₅
197	4	F ₅
198	1	G
199	4	K ₀
200	4	A ₂

Smith. Inst.

I 28491

Feb. 17, 1931

176 +12°	687	4	50.8	+12°	44	8.8	✓
177 +12	686	4	50.8	+12	46	8.8	✓
178						Not in dm.	✓
179 +13	754	4	50.2	+13	16	9.5	✓
180						Not in dm.	✓
181 +13	757	4	50.8	+13	28	9.5	✓
182 +13	758	4	50.9	+13	25	9.5	✓
183						Not in dm.	✓
184 +13	760	4	51.5	+13	17	9.5	✓
185 +13	763	4	52.5	+13	5	9.5	✓
186						Not in dm.	✓
187 +12	701	4	52.6	+12	49	9.0	✓
188						Not in dm.	✓
189						Not in dm.	✓
190						Not in dm.	✓
191 +12	703	4	53.1	+12	52	8.5	✓
192						Not in dm.	✓
193 +12	706	4	53.8	+12	42	9.3	✓
194						Not in dm.	✓
195						Not in dm.	✓
196						Not in dm.	✓
197 +12	708	4	54.2	+12	28	9.3	✓
198						Not in dm.	✓
199 +12	707	4	54.0	+12	53	9.4	✓
200 +12	713	4	54.1	+12	43	9.4	✓

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Jan. 26, 1931

MF 8202

F. C.

201	2	A0
202	2	F8
203	1	G5
204	2	F5
205	1	K7
206	2	G0
207	2	A2
208	1	G5
209	1	G0
210	1	G5
211	4	K0
212	3	A5
213	3	K0
214	4	G0
215	3	A7
216	1	F8
217	1	G5
218	3	F5
219	4	A3
220	2	F2
221	1	K0
222	2	K0
223	2	G0
224	1	F5
225	6	F5

Omit very ft.

28 226

Feb. 17, 1931

201							Not in Sm. ✓
202							Not in Sm. ✓
203							Not in Sm. ✓
204							Not in Sm. ✓
205	+12°	717	4 ^{h.}	55.9	+12°	44 ¹	9.5 ✓
206							Not in Sm. ✓
207							Not in Sm. ✓
208	+13	780	4	54.4	+13	13	9.5 ✓
209							either may be ident. ✓
210							as +13 780 ✓
211	+13	774	4	53.5	+13	7	9.5 ✓
212	+13	775	4	53.6	+13	15	9.5 ✓
213	+13	772	4	53.5	+13	13	9.5 ✓
214	+13	773	4	53.5	+13	19	9.5 ✓
215	+13	770	4	53.3	+13	24	9.5 ✓
216	+13	771	4	53.3	+13	28	9.5 ✓
217	+13	776	4	53.6	+13	50	9.5 ✓
218	+13	767	4	53.0	+13	52	9.5 ✓
219							Not in Sm. ✓
220	+13	762	4	52.5	+13	45	9.5 ✓
221	+13	766	4	52.9	+13	17	9.5 ✓
222	+13	764	4	52.8	+13	15	9.5 ✓
223							Not in Sm. ✓
224							Not in Sm. ✓
225	+13	759	4	51.5	+13	57	9.5 ✓

Jan. 26, 1931

MF 8202

F.C.

226	2	G
227	3	F8
228	4	G5
229	2	F0
230	3	F5
231	2	F5
232	2	A7
233	3	F5
234	4	G5
235	3	F2
236	1	M0
237	2	G5
238	3	A5
239	3	A2
240	2	A5
241	1	F5
242	4	G0
243	4	F0
244	1	G5
245	1	F8
246	1	K5
247	1	K2
248	1	K2
249	2	K0
250	2	K0

I 28226

Feb. 17, 1931

226							hot in dm.	✓
227							hot in dm.	✓
228	+14°	806	4 ^h	52.7	+14°	11'	9.4	✓
229							hot in dm.	✓
230							hot in dm.	✓
231							hot in dm.	✓
232							hot in dm.	✓
233	+14	814	4	53.6	+14	54	9.5	✓
234	+15	722	4	53.3	+15	3	9.5	✓
235							hot in dm.	✓
236	+15	726	4	54.5	+15	7	9.4	✓
237							hot in dm.	✓
238							hot in dm.	✓
239							hot in dm.	✓
240							hot in dm.	✓
241							hot in dm.	✓
242	+16	687	4	54.9	+16	5	9.5	✓
243	+15	727	4	54.8	+15	58	9.5	✓
244							hot in dm.	✓
245							hot in dm.	✓
246							hot in dm.	✓
247							hot in dm.	✓
248							hot in dm.	✓
249							hot in dm.	✓
250							hot in dm.	✓

Jan. 26, 1931

MF 8202

F.C.

251	3	A3
252	6	K0
253	1	G5
254	1	G0
255	3	A2
256	4	A0
257	3	G0
258	2	F5
259	1	F8
260	1	G0
261	4	A2
262	2	G5
263	1	G0
264	3	G0
265	1	A
266	1	F5
267	1	F2
268	1	K2
269	4	A0
270	3	G5
270a	4	A2
271	4	A7
272	3	M0
273	2	F0
274	3	A0
275	3	K0

I 28226

Feb. 17, 1931

251							Not in Sm. ✓
252 +14	809	4	52.7	+14°	59	9.0	✓
253 +14	807	4	52.7	+14	37	9.3	✓
254							Not in Sm. ✓
255 +14	805	4	52.6	+14	26	9.5	✓
256 +14	802	4	51.9	+14	41	9.5	✓
257 +14	801	4	51.4	+14	42	9.5	✓
258							Not in Sm. ✓
259							Not in Sm. ✓
260							Not in Sm. ✓
261 +13	756	4	50.6	+13	43	9.5	✓
262 +13	755	4	50.5	+13	55	9.5	✓
263							Not in Sm. ✓
264 +14	790	4	49.9	+14	10	9.5	✓
265							Not in Sm. ✓
266							Not in Sm. ✓
267							Not in Sm. ✓
268							Not in Sm. ✓
269 +14	791	4	50.2	+14	35	9.5	✓
270 +14	792	4	50.5	+14	43	9.5	✓
270a +14	797	4	50.9	+14	20	9.3	✓
271 +14	793	4	50.6	+14	51	9.5	✓
272							Not in Sm. ✓
273							Not in Sm. ✓
274							Not in Sm. ✓
275							Not in Sm. ✓

Jan. 26, 1931

F 8202

F.C.

276	1	G
277	1	K ₇
278	1	G ₅
279	4	K ₅
280	1	F
281	1	K
282	1	F ₈
283	2	G ₅
284	3	F ₀
285	4	F ₅
286	2	G ₀
287	2	A ₃
288	4	F ₅
289	4	A ₅
290	2	K ₂
291	2	K ₅
292	3	F ₅
293	2	F ₂
294	3	A ₂
295	2	G ₀
296	5	G ₀
297	2	G ₅
298	4	F ₅
299	5	A ₇
300	2	F ₀

I 28226

February 17, 1931

276							Not in Sm. ✓
277							Not in Sm. ✓
278							Not in Sm. ✓
279 +15°	716	4 ^h	52.6	+15°	38'	9.3	✓
280							Not in Sm. ✓
281							Not in Sm. ✓
282							Not in Sm. ✓
283							Not in Sm. ✓
284 +15	720	4	53.1	+15	54	9.5	✓
285 +15	718	4	52.8	+15	56	9.5	✓
286 +15	717	4	52.7	+15	57	9.5	✓
287							Not in Sm. ✓
288 +16	681	4	52.6	+16	7	9.5	✓
289 +16	682	4	52.7	+16	12	9.5	✓
290							Not in Sm. ✓
291 +16	684	4	53.3	+16	23	9.5	✓
292 +16	686	4	53.7	+16	22	9.5	✓
293							Not in Sm. ✓
294							Not in Sm. ✓
295							Not in Sm. ✓
296							Not in Sm. ✓
297							Not in Sm. ✓
298 +17	826	4	55.0	+17	5	9.5	slight error. ^{in Dec.} ✓
299 +17	825	4	54.9	+17	5	9.2	✓
300							Not in Sm. ✓

Jan. 27, 1931

ME 8202

F.C.

301	1	G ₅
302	2	F ₈
303	1	K
304	6	K ₀
305	5	A ₂
306	2	G ₀
307	2	K ₀
308	5	G ₅
309	2	G ₅
310	6	G ₅
311	2	F ₅
312	7	F ₂
313	6	F ₅
314	1	A
315	1	G
316	1	G ₅
317	2	G ₀
318	1	G ₀
319	2	F ₈
320	1	G
321	3	F ₂
322	3	F ₀
323	1	G
324	6	A ₂
325	3	K ₀

Omit. Toft.

I 41528

Feb. 17, 1931

301							Not in Dm. ✓
302							Not in Dm. ✓
303							Not in Dm. ✓
304 +17°	827	4 ^h	55.6	+17°	17'	9.1	✓
305							Not in Dm. ✓
306							Not in Dm. ✓
307							Not in Dm. ✓
308 +17	830	4	56.2	+17	30	9.5	✓
309							Not in Dm. ✓
310 +17	829	4	55.9	+17	41	9.4	✓
311 +17	831	4	56.3	+17	47	9.5	✓
312 +17	832	4	56.4	+17	34	8.8	✓
313 +17	836	4	57.0	+17	39	9.3	✓
314							Not in Dm. ✓
315							Not in Dm. ✓
316							Not in Dm. ✓
317 +18	778	3 ^h	57.0	+18°	00	9.5	✓
318 1							Not in Dm. ✓
319							Not in Dm. ✓
320							Not in Dm. ✓
321 +18	775	4	55.7	+18	53	9.5	✓
322							either may be ✓ ident as +18° 775
323							Not in Dm. ✓
324 +18	774	4	55.3	+18	29	9.3	✓
325							Not in Dm. ✓

Jan. 27, 1931

MF 8202

F.C.

326	3	F5
327	4	G0
328	1	F5
329	2	K7
330	3	G5
331	2	A0
332	2	A2
333	2	K7
334	3	F5
335	1	K
336	6	F5
337	2	G0
338	1	G5
339	4	F5
340	1	K5
341	2	A3
342	2	F2
343	1	K7
344	2	G5
345	2	M0
346	3	F5
347	3	G5
348	3	A2
349	2	F8
350	3	F5

Rejick F5. Certain earlier. As-

Frank. Better with numbers compared

I 41528

Feb. 17, 1931

326			^h					Not in dm. ✓
327	+16°	683	4	^m	+16°	58'	9.5	✓
328								Not in dm. ✓
329								Not in dm. ✓
330								Not in dm. ✓
331								Not in dm. ✓
332			^h	^m				Not in dm. ✓
333	+17°	821	3		+17°	15'	9.4	✓
334								Not in dm. ✓
335								Not in dm. ✓
336	+16	674	4		+16	47	9.5	✓
337	+16	673	4		+16	38	9.5	✓
338								Not in dm. ✓
339	+16	675	4		+16	6	9.5	✓
340	+16	678	4		+16	4	9.5	✓
341								Not in dm. ✓
342								Not in dm. ✓
343	+15	712	4		+15	36	9.5	✓
344								Not in dm. ✓
345	+15	710	4		+15	30	9.4	✓
346	+15	708	4		+15	35	9.5	✓
347								Not in dm. ✓
348								Not in dm. ✓
349								Not in dm. ✓
350								Not in dm. ✓

152

Jan. 27, 1931

nF8202

F.C.

351	4	G ₅	[Orig 354 is double]
352	4	G ₀	
353	1	G ₅	
354	23	F8	
355	4	A3	
356	6	A3	
357	3	M ₀	
358	7	F8	
359	3	F8	
360	1	F5	
361	2	F8	
362	4	A ₀	
363	4	K ₀	
364	5	A ₂	
365	1	F ₂	
366	1	F8	
367	1	G	
368	2	G ₀	
369	2	G ₀	
370	2	G ₅	
371	7	F8	
372	3	F5	
373	3	K ₀	
374	1	F	
375	2	G ₅	

I 41528

February 17, 1931

351	+15°	706	4 ^h	49.0	+15°	11	9.4	✓
352	+15	705	4	48.7	+15	4	9.5	✓
353							hot in sm	✓
354	+14	781	4	46.4	+14	51	9.5	✓
355							hot in sm	✓
356	+15	702	4	47.8	+15	18	9.5	✓
357	+15	704	4	48.4	+15	28	9.5	✓
358	+15	703	4	48.2	+15	35	9.3	✓
359							hot in sm	✓
360							hot in sm.	✓
361							hot in sm.	✓
362							hot in sm.	✓
363	+16	669	4	47.9	+16	20	9.4	✓
364	+16	670	4	48.2	+16	20	9.5	✓
365							hot in sm.	✓
366							hot in sm.	✓
367							hot in sm.	✓
368							hot in sm.	✓
369							hot in sm.	✓
370							hot in sm.	✓
371	+17	816	4	49.2	+17	10	9.0	✓
372							hot in sm.	✓
373	+17	813	4	48.0	+17	15	9.5	✓
374							hot in sm	✓
375							hot in sm.	✓

Jan. 27, 1931

AF 8202

F.C.

376	1	G5
377	2	F0
378	2	K0
379	1	K2
380	5	G5
381	5	K0
382	1	K0
383	3	G0
384	3	G5
385	2	K0
386	4	K2
387	6	F8
388	2	G0
389	1	K2
390	3	G0
391	1	G5
392	5	A0
393	1	K7
394	6	A0
395	5	K0
396	4	K2
397	2	G5
398	5	A3
399	4	G5
400	5	A2

Omih. Very indistinct

I 41528

Feb. 17, 1931

376							not in Sm. ✓
377							not in Sm. ✓
378							not in Sm. ✓
379							not in Sm. ✓
380	+15°	700	4	46.4	+15°	52' 9.5	✓
381	+14	786	4	47.1	+14	54 9.5	✓
382							not in Sm. ✓
383	+14	788	4	49.2	+14	2 9.5	✓
384	+13	744	4	48.9	+13	52 9.5	✓
385	+13	743	4	48.9	+13	58 9.4	✓
386	+13	739	4	48.2	+13	52 9.2	✓
387	+13	742	4	48.9	+13	35 9.5	✓
388							not in Sm. ✓
389	+13	745	4	49.1	+13	17 9.5	✓
390							not in Sm. ✓
391							not in Sm. ✓
392	+13	746	4	49.2	+13	25 9.5	✓
393	+13	740	4	49.8	+13	35 9.5	✓
394	+12	680	4	47.9	+12	41 9.3	✓
395	+12	678	4	47.8	+12	17 9.3	✓
396	+12	675	4	47.1	+12	29 9.3	✓
397	+12	677	4	47.3	+12	48 9.5	✓
398	+13	735	4	47.2	+13	13 9.5	✓
399	+13	734	4	46.9	+13	10 9.5	✓
400	+12	732	4	46.4	+13	4 9.5	✓

Feb. 12, 1931

7.4 8202

F.C.

401	3	A5
402	5	G0
403	3	A0
404	1	M0
405	5	K0
406	4	G0
407	6	K0
408	6	G0
409	1	K0
410	2	F5
411	2	G0
412	5	G0
413	3	G5
414	1	K2
415	1	G5
416	6	K2
417	1	K2
418	1	G5
419	1	G
420	2	F5
421	5	A2
422	2	A7
423	4	A0
424	6	A0
425	6	F2

Omit. very ft.

I 28491

Feb. 19, 1931

401 +11°	658	4	42.4 +11°	58'	9.5	✓
402 +12	660	4	42.0 +12	15	9.4	✓
403 +12	661	4	42.0 +12	20	9.4	✓
404 +12	655	4	40.8 +12	26	9.4	✓
405 +12	652	4	39.8 +12	21	9.5	✓
406					not in dm.	✓
407 +12	651	4	39.8 +12	44	9.2	✓
408 +12	648	4	39.4 +12	46	9.3	✓
409					not in dm.	✓
410					not in dm.	✓
411					not in dm.	✓
412					not in dm.	✓
413 +12	656	4	41.0 +12	51	9.5	✓
414 +12	657 ⁸	4	41.1 +12	48	9.5	✓
415					not in dm.	✓
416 +13	707 ¹	4	40.5 +13	12	9.4	✓
417					not in dm.	✓
418 +13	708 ¹	4	40.7 +13	5	9.5	✓
419					not in dm.	✓
420					not in dm.	✓
421 +13	711 ²	4	41.9 +13	13	9.5	✓
422					not in dm.	✓
423 +13	714 ²	4	42.0 +13	6 ⁴	9.3	assuming an error of 2' in decl.
424 +13	713 ²	4	42.0 +13	18	9.3	
425 +12	659	4	41.8 +12	26	9.3	✓

Feb. 12, 1931

m7 8202

F.C.

426	4	F5	
427	1	F8	
428	3	G5	
429	3	G0	
430	2	F8	
431	1	F5	
432	6	G0	
433	1	G	Imp.
434	1	G0	
435	1	K	Imp.
436	1	K2	" "
437	2	K0	
438	2	G0	
439	2	A2	
440	2	K7	
441	4	F8	
442	1	G5	
443	3	K0	
444	1	G0	
445	1	K2	
446	2	G0	
447	3	A0	
448	3	G0	
449	6	G0	
450	5	G0	

I 28491

Feb. 19, 1931

426 +12 ⁰	662	4	42.2	+12 ⁰	36'	9.5	✓
427							not in sm. ✓
428 +12	663	4	42.9	+12	55	9.4	✓
429 +12	664	4	43.0	+12	54 56	9.3 9.4	✓
430							not in sm. ✓
431							not in sm. ✓
432 +12	665	4	43.4	+12	34	9.3	✓
433							not in sm. ✓
434							not in sm. ✓
435							not in sm. ✓
436							not in sm. ✓
437							not in sm. ✓
438							not in sm. ✓
439							not in sm. ✓
440 +12	676	4	47.2	+12	3	9.5	✓
441							not in sm. ✓
442							not in sm. ✓
443 +12	674	4	46.8	+12	26	9.5	✓
444							not in sm. ✓
445							not in sm. ✓
446							not in sm. ✓
447							not in sm. ✓
448							not in sm. ✓
449 +12	670	4	45.5	+12	39	9.4	✓
450 +12	669	4	45.5	+12	53	9.5	✓

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Feb. 12, 1931

7502

7.C.

451	1	F0
452	3	G0
453	1	G0
454	2	G5
455	6	A2
456	3	G0
457	2	G0
458	4	A3
459	3	K0
460	4	A7
461	5	A2
461a	1	A ₂ G0
462	1	G0
463	1	G5
464	2	F8
465	2	A0
466	6	A0
467	2	G5
468	1	K0
469	4	F5
470	3	K0
471	1	G0
472	7	G0
473	5	A5
474	2	F5
475	2	G5

double }

I 28491

Feb. 19, 1931

451							not in Sm. ✓
452 +12°	666	4 ^h	44.2	+12°	45'	9.5	✓
453							not in Sm. ✓
454							not in Sm. ✓
455 +13	² 719	4	44.3	+13	15	9.4	
456 +13	³ 710	4	44.9	+13	20	9.5	
457							not in Sm. ✓
458 +13	³ 711	4	46.2	+13	27	9.5	
459 +13	³ 713	4	46.8	+13	54	9.5	
460 +13	³ 716	4	47.4	+14	00	9.5	
461 +14	784	4	47.0	+14	36	9.0	✓
461a +14	783	4	47.0	+14	36	9.4	
462							not in Sm. ✓
463							not in Sm. ✓
464							not in Sm. ✓
465							not in Sm. ✓
466 +14	776	4	43.8	+14	9	9.4	✓
467							not in Sm. ✓
468							not in Sm. ✓
469 +14	774	4	43.3	+14	8	9.5	✓
470 +14	772	4	43.0	+14	6	9.5	✓
471							not in Sm. ✓
472 +13	² 717	4	42.8	+13	31	9.5	
473 +13	² 716	4	42.5	+13	35	9.5	
474							not in Sm. ✓
475 +13	² 712	4	41.9	+13	32	9.5	

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Feb. 12, 1931

MF 8202

F.C.

476	3	K ₀
477	3	G ₀
478	3	F ₈
479	3	G ₀
480	4	G ₅
481	1	F ₂
482	6	F ₈
483	2	K ₂
484	1	G ₀
485	2	K ₇
486	5	F ₅
487	2	A ₂
488	2	K ₅
489	1	G ₀
490	3	F ₂
491	2	G ₅
492	1	K
493	3	B ₉
494	2	F ₈
495	1	G
496	1	G
497	1	F ₈
498	5	G ₅
499	3	A ₂
500	7	B ₉

ft. Karpel G
Fo ~ 8176

Cont. 188, 48

I 28491

Feb. 19, 1931

476 $+13^{\circ}$	759	4	41.0	$+13^{\circ}$	42	9.5	Not in Dm. ✓
477							Not in Dm. ✓
478							Not in Dm. ✓
479 $+14$	759	4	39.8	$+14$	23	9.5	✓
480 $+14$	761	4	40.2	$+14$	32	9.3	✓
481							Not in Dm. ✓
482 $+14$	762	4	40.4	$+14$	39	9.3	✓
483 $+14$	763	4	40.7	$+14$	33	9.3	✓
484							Not in Dm. ✓
485 $+14$	764	4	41.0	$+14$	20	9.5	✓
486 $+14$	766	4	41.2	$+14$	5	9.3	✓
487							Not in Dm. ✓
488 $+14$	769	4	41.9	$+14$	43	9.2	✓
489							Not in Dm. ✓
490							Not in Dm. ✓
491							Not in Dm. ✓
492							Not in Dm. ✓
493 $+14$	773	4	43.2	$+14$	23	9.5	✓
494							Not in Dm. ✓
495							Not in Dm. ✓
496							Not in Dm. ✓
497							Not in Dm. ✓
498 $+14$	779	4	44.8	$+14$	38	9.5	✓
499							Not in Dm. ✓
500 $+15$	698	4	45.5	$+15$	30	9.0	✓

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Jan. 28, 1931

MF 9985

F.C.

1	3	K ₂
2	3	G ₀
3	4	G ₀
4	2	A ₅
5	3	G ₀
6	6	F ₅
7	2	F ₈
8	5	K ₅
9	1	K ₅
10	2	K ₀
11	5	G ₅
12	6	K ₀
13	3	A ₃
14	4	K ₀
15	1	K ₀
16	1	G ₅
17	2	G ₀
18	1	K ₅
19	1	F ₈
20	6	F ₀
21	2	K ₀
22	2	K ₂
23	4	G ₅
24	4	K ₅
25	4	G ₀

I 40225

Feb. 17, 1931

1 +10°	529	3 ^h	54.1 ^m	+10°	54 ^l	9.2	✓
2						Not in dm.	✓
3						Not in dm.	✓
4						Not in dm.	✓
5 +11	563	3	54.7 ⁰	+11	5 ⁵⁸	9.5	✓
6 +10	530	3	55.2	+10	10	9.4	✓
7						Not in dm.	✓
8 +11	565	3	55.5	+11	6	8.8	✓
9						Not in dm.	✓
10						Not in dm.	✓
11 +10	532	3	56.0	+10	30	9.5	✓
12 +10	531	3	55.2	+10	10	9.3	✓
13						Not in dm.	✓
14 +10	533	3	56.8	+10	13	9.5	✓
15						Not in dm.	✓
16						Not in dm.	✓
17						Not in dm.	✓
18						Not in dm.	✓
19						Not in dm.	✓
20 +11	567	3	56.1	+11	0	9.1	✓
21 +11	566	3	56.1	+11	11	9.5	✓
22						Not in dm.	✓
23 +11	569	3	57.1	+11	27	9.5	✓
24 +10	535	3	57.8	+10	53	9.5	✓
25 +10	534	3	57.7	+10 ^l	0	9.5	✓

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Jan. 28, 1931

MF 9985

F. C.

26	1	G5
27	3	K5
28	1	G0
29	1	G5
30	4	K0
31	1	F8
32	1	G5
33	4	F8
34	2	K2
35	1	G0
36	31	G5
37	2	G0
38	3	K2
39	1	K2
40	2	K7
41	1	G
42	7	G0
43	1	G0
44	1	K5
45	7	F5
46	5	K0
47	1	A5
48	3	G0
49	1	A
50	1	K5

[Orig 36 consists of 2 stars in same P.A. can not separate]

I 40225

Feb. 17, 1931

26							hot in dm. ✓
27	+10°	536	3 ^h	57.8	+10°	41' 9.5	✓
28							hot in dm. ✓
29							hot in dm. ✓
30	+11	570	3	57.9	+11	34 9.3	✓
31							hot in dm. ✓
32							hot in dm. ✓
33	+11	572	3	59.5	+11	28 9.5	✓
34							hot in dm. ✓
35							hot in dm. ✓
36							hot in dm. ✓
37	+11	574	4	0.3	+11	38 9.5	Not in DM
38	+11	575	4	0.4	+11	38 9.5	✓
39							hot in dm. ✓
40	+11	577	4	0.9	+11	49 9.5	✓
41							hot in dm. ✓
42	+11	579	4	1.6	¹¹ H	5 9.0	✓
43							hot in dm. ✓
44	+10	543	4	2.0	+10	51 9.5	✓
45	+10	545	4	2.2	+10	34 9.2	✓
46	+10	546	4	2.4	+10	29 9.9	✓
47							hot in dm. ✓
48	+11	582	4	3.0	+11	3 9.5	✓
49							hot in dm. ✓
50							hot in dm. ✓

Jan. 28, 1931

F. 9985.

F.C.

51	5	K ₀
52	2	G ₀
53	2	G ₀
54	6	G ₀
55	2	G ₅
56	5	A ₃
57	2	A ₂
58	2	G ₅
59	1	G
60	2	G ₀
61	2	F ₈
62	2	G ₅
63	1	F ₅
64	1	K ₀
65	3	G ₀
66	3	G ₅
67	3	G ₀
68	2	F ₅
69	1	G ₅
70	1	F ₅
71	1	G ₀
72	1	A ₇
73	1	G ₀
74	1	K ₂
75	1	K ₀

I 40225

Feb. 17, 1931

51	+10°	547	4 ^h	4.3	+10°	56	9.0	✓
52							Not in Dm.	✓
53							Not in Dm.	✓
54	+10	549	4	4.8	+10	14	9.0	✓
55							Not in Dm.	✓
56							Not in Dm.	✓
57							Not in Dm.	✓
58							Not in Dm.	✓
59							Not in Dm.	✓
60							Not in Dm.	✓
61	+11	584	4	6.5	+11	23	9.5	✓
62							Not in Dm.	✓
63							Not in Dm.	✓
64							Not in Dm.	✓
65	+11	585	4	7.4	+11	50	9.5	✓
66	+11	587	4	7.9	+11	44	9.5	Not in Dm. ✓
67	+11	586	4	7.9	+11	27	9.5	Not in Dm. ✓
68							Not in Dm.	✓
69							Not in Dm.	✓
70							Not in Dm.	✓
71							Not in Dm.	✓
72							Not in Dm.	✓
73							Not in Dm.	✓
74							Not in Dm.	✓
75							Not in Dm.	✓

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F 9985

F.C.

76	6	A ₇
77	3	F ₀
78	1	F ₈
79	1	F ₅
80	7	G ₀
81	2	A ₃
82	1	A ₇
83	1	K ₅
84	5	F ₀
85	1	K
86	5	K ₀
87	2	F ₈
88	2	G ₀
89	1	G ₅
90	7	K ₀
91	1	K ₀
92	3	F ₈
93	1	F ₈
94	2	G ₅
95	1	K ₀
96	1	F ₅
97	3	A ₅
98	7	K ₀
99	2	K ₂
100	5	F ₈

I 40225

Feb. 17, 1931

76	+11°	589	4	8.9	+11°	7	8.9	✓
77	+10	553	4	9.0	+10	50	9.5	✓
78							Not in Dm.	✓
79							Not in Dm.	✓
80	+10	554	4	9.1	+10	18	9.3	✓
81							Not in Dm.	✓
82							Not in Dm.	✓
83	+11	582	4	8.6	+11	59	9.5	✓
84	+12	571	4	9.5	+12	19	9.4	✓
85							Not in Dm.	✓
86	+12	572	4	10.3	+12	13	8.9	✓
87							Not in Dm.	✓
88							Not in Dm.	✓
89							Not in Dm.	✓
90	+11	591	4	11.0	+11	55	8.9	✓
91							Not in Dm.	✓
92	+11	590	4	9.9	+11	26	9.5	✓
93							Not in Dm.	✓
94							Not in Dm.	✓
95	+10	556	4	10.8	+10	51	9.5	✓
96							Not in Dm.	✓
97	+11	593	4	12.0	+11	1	9.5	✓
98	+11	594	4	12.3	+11	0	9.1	✓
99							Not in Dm.	✓
100							Not in Dm.	✓

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MF 9985

F.C.

101	1	G ₀
102	1	G ₅
103	6	F ₅
104	4	G ₀
105	1	F ₅
106	1	F ₂
107	5	G ₅
108	4	G ₀
109	7	A ₀
110	7	G ₀
111	4	A ₂
112	1	G ₅
113	3	F ₈
114	1	K
115	4	K ₂
116	5	F ₈
117	1	G ₅
118	4	G ₀
119	2	F ₈
120	6	F ₅
121	4	K ₂
122	2	K ₀
123	2	F ₈
124	2	G ₀
125	1	K ₂

I 27773

Feb. 18, 1931

101							hot in Dm.	✓
102							hot in Dm.	✓
103	+10°	558	4 ^h	11.9	+10°	15'	9.2	✓
104	+10	559	4	12.0	+10	21	9.5	hot in Dm. ✓
105							hot in Dm.	✓
106							hot in Dm.	✓
107	+10	561	4	12.7	+10	23	9.5	✓
108	+10	562	4	13.1	+10	22	9.5	✓
109	+10	564	4	13.3	+10	18	8.9	✓
110	+10	565	4	13.7	+10	25	9.0	✓
111	+10	567	4	14.2	+10	18	9.4	✓
112							hot in Dm.	✓
113	+10	566	4	14.0	+10	36	9.5	✓
114							hot in Dm.	✓
115	+10	568	4	14.4	+10	58	9.3	✓
116	+11	599	4	14.0	+11	13	9.3	✓
117							hot in Dm.	✓
118	+11	595	4	12.4	+11	30	9.4	✓
119	+11	596	4	12.7	+11	5	9.5	✓
120	+12	578	4	12.4	+12	2	9.1	✓
121	+12	576	4	11.5	+12	15	9.3	✓
122							hot in Dm.	✓
123	+12	574	4	10.7	+12	27	9.3	✓
124							hot in Dm.	✓
125							hot in Dm.	✓

Jan. 29, 1931

F 9985

F.C.

126	4	A ₃
127	4	F ₂
128	3	A ₃
129	3	F ₅
130	6	G ₅
131	1	F ₈
132	1	G
133	2	G ₅
134	2	G ₀
135	2	F ₈
136	4	G ₅
137	1	K ₀
138	5	F ₀
139	1	F ₅
140	1	F ₂
141	3	F ₀
142	2	A ₀
143	3	G ₅
144	2	K ₇
145	1	K ₀
146	1	F ₈
147	1	F ₅
148	1	G ₀
149	1	G ₅
150	1	F ₈

I 27773

Feb. 18, 1931

126 +12°	579	4	12.6	+12°	25	9.5	✓
127 +11	597	4	12.9	+11	57	9.5	✓
128 +11	598	4	12.1	+11	48	9.5	✓
129 +12	581	4	13.9	+12	17	9.4	✓
130 +12	582	4	13.9	+12	9	9.2	✓
131						Not in dm.	✓
132						Not in dm.	✓
133						Not in dm.	✓
134						Not in dm.	✓
135						Not in dm.	✓
136 +11	600	4	15.2	+11	55	9.5	✓
137						Not in dm.	✓
138 +11	603	4	16.1	+11	10	9.3	✓
139						Not in dm.	✓
140						Not in dm.	✓
141 +10	569	4	15.4	+10	29	9.3	✓
142						Not in dm.	✓
143 +10	570	4	16.6	+10	27	9.5	✓
144 +10	571	4	16.7	+10	40	9.5	✓
145 +10	572	4	16.9	+10	58	9.5	✓
146 +10	573	4	17.6	+10	19	9.5	✓
147						Not in dm.	✓
148 +10	574	4	17.9	+10	52	9.5	✓
149						Not in dm.	✓
150						Not in dm.	✓

Jan. 29, 1931

NF 9985

F.C.

151	2	G ₀
152	1	F ₅
153	2	G ₅
154	1	F ₅
155	3	A ₂
156	3	F ₅
157	1	F ₅
158	3	A ₀
159	1	G ₀
160	2	F ₅
161	1	G ₀
162	3	K ₅
163	1	G
164	2	F ₈
165	2	K ₇
166	1	A
167	3	G ₅
168	1	G ₀
169	4	G ₀
170	5	G ₀
171	1	G ₀
172	1	F ₅
173	1	K ₅
174	1	F ₈
175	6	A ₀

Omit Inpt.

I 27773

Feb. 18, 1931

151							Not in Dm.	
152							Not in Dm. ✓	
153							Not in Dm. ✓	
154							Not in Dm. ✓	
155	+13°	673	4 ^h	15.4	+13°	9'	9.5	Not in Dm. ✓
156							Not in Dm. ✓	
157							Not in Dm. ✓	
158	+12	583	4	14.9	+12	41	9.5	Not in Dm. ✓
159							Not in Dm. ✓	
160							Not in Dm. ✓	
161							Not in Dm. ✓	
162	+13	672	4 ^h	14.7	+13	2	9.2	Not in Dm. ✓
163							Not in Dm. ✓	
164							Not in Dm. ✓	
165	+12	580	4	12.8	+12	46	9.5	Not in Dm. ✓
166							Not in Dm. ✓	
167							Not in Dm. ✓	
168							Not in Dm. ✓	
169	+14 ³	666	4	13.1	+14 ³	19	9.5	✓
170	+14 ³	664	4	12.4	+14 ³	14	9.3	✓
171							Not in Dm. ✓	
172							Not in Dm. ✓	
173							Not in Dm. ✓	
174							Not in Dm. ✓	
175	+14 ³	660	4	10.7	+14 ³	50	9.0	✓

Jan. 29, 1931

NF 9985

F.C.

176	6	K5
177	6	K0
178	1	F5
179	2	G0
180	1	G5
181	3	G0
182	1	A
183	2	F8
184	4	G5
185	5	G0
186	6	G5
187	1	K5
188	4	G0
189	1	K5
190	1	F8
191	5	K0
192	1	G0
193	1	A
194	1	F5
195	5	K0
196	2	A7
197	1	F8
198	2	F5
199	2	F2
200	2	F8

Pres. a bright star

I 27 773

Feb. 18, 1931

176 +14 ⁰	678	4	^h	10.2 +14 ⁰	11	9.0	✓
177 +14	677	4		10.1 +14	39	9.3	not ✓
178							not in dm. ✓
179 +14	681	4		11.8 +14	40	9.3	✓
180							not in dm. ✓
181 +14	683	4		12.6 +14	17	9.5	✓
182							not in dm. ✓
183							not in dm. ✓
184 +14	685	4		13.3 +14	30	9.5	✓
185 +14	686	4		13.4 +14	25	9.3	✓
186 +13	669	4		14.4 +13	35	9.3	✓
187 +13	670	4		14.5 +13	36	9.5	✓
188 +13	671	4		14.5 +13	54	9.3	✓
189							not in dm. ✓
190							not in dm. ✓
191 +14	692	4		15.7 +14	4	9.0	✓
192							not in dm. ✓
193							not in dm. ✓
194							not in dm. ✓
195 +14	691	4		15.4 +14	19	8.8	✓
196							not in dm. ✓
197							not in dm. ✓
198							not in dm. ✓
199 +14	688	4		14.2 +14	54	9.5	✓
200							not in dm. ✓

Jan. 29, 1931

m F. 9.985

F.C.

201	3	A0
202	5	F2
203	1	F8
204	6	G0
205	4	K0
206	8	M0
207	1	G5
208	3	F8
209	3	A7
210	4	M0
211	4	G0
212	1	G5
213	1	F8
214	3	K0
215	1	G
216	1	K0
217	1	K0
218	1	K5
219	1	F8
220	2	K2
221	1	K0
222	2	G5
223	1	F5
224	5	K0
225	4	A5

Omit unless confirmed

Omit.

I 22466

Feb. 18, 1931

201 +11°	560	3	53.5	+11°	20'	9.5	✓
202 +11	562	3	54.1	+11	25	9.1	✓
203 +11	561	3	53.9	+11	46	9.5	✓
204 +11	564	3	55.0	+12	00	9.2	✓
205 +12	541	3	54.1	+12	24	9.1	✓
206 +12	542	3	54.3	+12	26	9.0	✓
207						Not in Dm.	✓
208						Not in Dm.	✓
209 +12	544	3	55.0	+12	31	9.3	✓
210 +12	546	3	55.5	+12	30	9.0	✓
211						Not in Dm.	✓
212						Not in Dm.	✓
213						Not in Dm.	✓
214 +11	568	3	56.7	+11	39	9.5	✓
215						Not in Dm.	✓
216 +12	549	3	57.2	+12	0	9.5	✓
217						Not in Dm.	✓
218						Not in Dm.	✓
219						Not in Dm.	✓
220 +12	552	3	57.8	+12	2	9.4	✓
221						Not in Dm.	✓
222						Not in Dm.	✓
223						Not in Dm.	✓
224 +12	553	3	58.6	+12	46	8.9	✓
225 +12	554	3	58.8	+12	44	9.4	✓

Jan. 29, 1931

MF 9985

F.C.

226	1	G ₀
227	1	G ₀
228	3	G ₅
229	6	A ₂
230	1	K ₀
231	1	F ₂
232	1	G ₀
233	1	G ₀
234	2	K ₀
235	3	K ₀
236	1	G ₀
237	3	A ₂
238	1	G ₅
239	7	K ₀
240	5	G ₀
241	2	G ₅
242	1	K ₅
243	1	F ₈
244	1	G ₅
245	1	K ₀
246	3	G ₀
247	6	G ₅
248	3	F ₅
249	5	G ₀
250	2	K ₀

Dmit. Ioffe

I 22466

Feb. 18, 1931

226							Not in dm. ✓
227							Not in dm. ✓
228 +12°	551	3 ^h	57.3 ⁷ 57.3 +12°	30	0'	9.1	
229 +12	550	3	57.3 +12		44	9.1	✓
230							Not in dm. ✓
231							Not in dm. ✓
232							Not in dm. ✓
233							Not in dm. ✓
234 +13	639	3	57.1 +13		17	9.2	✓
235							Not in dm. ✓
236							Not in dm. ✓
237 +13	641	3	57.9 +13		16	9.5	✓
238							Not in dm. ✓
239 +13	647	4	0.2 +13		9	8.8	✓
240 +12	555	4	0.7 +12		38	9.2	✓
241							Not in dm. ✓
242 +11	578	4	1.3 +11		58	9.5	✓
243							Not in dm. ✓
244							Not in dm. ✓
245							Not in dm. ✓
246							Not in dm. ✓
247 +13	649	4	1.3 +13		1	9.1	✓
248							Not in dm. ✓
249 +12	556	4	2.4 +12		21	9.3	✓
250 +12	557	4	2.9 +12		26	9.3	✓

Jan. 29, 1931

m F 9985

F.C.

251	3	K ₀
252	2	K ₅
253	3	K ₇
254	4	K ₀
255	1	K
256	1	F
257	4	K ₀
258	1	G ₅
259	1	K ₀
260	5	K ₀
261	4	A ₂
262	1	G
263	4	K ₅
264	2	G ₀
265	3	G ₀
266	2	A ₃
267	5	F ₈
268	1	K
269	2	A ₅
270	1	G ₅
271	2	G ₀
272	5	A ₀
273	1	G ₅
274	1	K ₀
275	2	K ₅

I 22466

Feb. 18, 1931

251 +12°	558	4 ^h	2.9	+12°	16'	9.3	✓
252						Not in Dm.	✓
253 +12	559	4	3.4	+12	15	9.2	✓
254 +12	560	4	3.5	+12	12	9.3	✓
255						Not in Dm.	✓
256						Not in Dm.	✓
257 +12	562	4	4.0	+12	24	9.2	✓
258						Not in Dm.	✓
259						Not in Dm.	✓
260 +13	652	4	3.1	+13	5	9.2	✓
261						Not in Dm.	✓
262						Not in Dm.	✓
263 +12	561	4	3.7	+12	56	9.3	✓
264						Not in Dm.	✓
265						Not in Dm.	✓
266 +12	563a	4	4.9	+12	59	9.5	Not in Dm. ✓
267 +13	654	4	5.2	+13	13	9.3	✓
268						Not in Dm.	✓
269						Not in Dm.	✓
270						Not in Dm.	✓
271						Not in Dm.	✓
272 +12	565	4	6.3	+12	33	9.3	✓
273						Not in Dm.	✓
274						Not in Dm.	✓
275						Not in Dm.	✓

Jan. 29, 1931

NF 9985

F.C.

276	2	G5
277	4	K2
278	5	K2
279	1	G5
280	4	A2
281	1	K0
282	1	K2
283	3	G0
284	2	F0
285	2	M0
286	3	F0
287	4	A2
288	3	F2
289	2	G0
290	2	K0
291	6	A0
292	4	F5
293	4	M0
294	2	F5
295	1	G0
296	1	F8
297	4	F0
298	1	F
299	6	K0
300	1	F5

I 22466

Feb. 18, 1931

276							not in Dm.	✓
277 +12°	567	4	7.8	+12°	48	9.3		✓
278 +12	568	4	8.7	+12	36	9.1		✓
279 +12	569	4	9.2	+12	56	9.5		✓
280 +13	657	4	9.2	+13	2	9.4		✓
281 +12	570	4	9.4	+12	58	9.4		✓
282							not in Dm.	✓
283 +13	655	4	7.6	+13	18	9.5		✓
284							not in Dm.	✓
285 +14°	674	4	6.3	+14	46	9.3	assumed error 2 in Dec. not in Dm.	✓
286							not in Dm.	✓
287 +14	669	4	5.8	+14	8	9.5		✓
288 +14	668	4	5.4	+14	16	9.5		✓
289							not in Dm.	✓
290 +13	653	4	4.8	+13	49	9.5		✓
291 +14	666	4	4.9	+14	11	9.2		✓
292 +14	665	4	4.8	+14	22	9.5		✓
293 +14	664	4	4.5	+14	16	8.9		✓
294							not in Dm.	✓
295							not in Dm.	✓
296							not in Dm.	✓
297 +14	662	4	3.2	+14	11	9.5		✓
298							not in Dm.	✓
299 +13	651	4	2.8	+13	54	8.6		✓
300							not in Dm.	✓

Jan. 30, 1931

NF 9985

F.C.

301	3	G ₅
302	6	K ₀
303	1	K ₀
304	3	F ₅
305	5	G ₀
306	7	G ₀
307	1	G ₅
308	2	G ₀
309	4	K ₀
310	7	F ₀
311	1	K ₀
312	5	G ₀
313	1	K ₂
314	1	K ₂ ⁰
315	4	G ₀
316	3	M ₀
317	3	G ₀
318	2	F ₈
319	3	G ₀
320	2	K ₅
321	3	G ₀
322	2	F ₅
323	5	G ₃
324	7	G ₅
325	1	K ₂

Omick. Soft. Can not confirm

In 307.5. Hainter me omitted

[Orig. 314 consists of 2 stars]

I 27773

Feb. 18, 1931

301	+13°	633	3	54.8	+13°	5'	9.5	✓
302	+12	643	3	55.0	+12	50	9.0	✓
303								
304								Not in Dm. ✓
305								Not in Dm. ✓
306	+12	645	3	55.4	+12	50	9.4	✓
307	+13	637	3	55.4	+13	1	9.3	Not in Dm. ✓
308								Not in Dm. ✓
309	+12	634	3	55.1	+12	28	9.3	Not in Dm. ✓
310	+13	636	3	55.3	+13	32	8.9	Not in Dm. ✓
311	+13	635	3	55.3	+13	48	9.5	Not in Dm. ✓
312	+13	635	3	55.3	+13	48	9.5	Not in Dm. ✓
313								Not in Dm. ✓
314	+13	629	3	53.3	+13	47	9.2	Not in Dm. ✓
315	+14	629	4	53.8	+14	47	9.5	✓
316	+14	639	3	53.8	+14	17	9.5	Not in Dm. ✓
317								Not in Dm. ✓
318								Not in Dm. ✓
319								Not in Dm. ✓
320	+14	644	3	55.0	+14	41	9.5	Not in Dm. ✓
321	+14	644	3	55.0	+14	41	9.5	Not in Dm. ✓
322	+14	645	3	55.3	+14	56	9.5	Not in Dm. ✓
323	+14	645	4	54.3	+14	44	8.9	✓
324	+14	641	3	54.3	+14	44	8.9	✓
325								Not in Dm. ✓

MF 9985

Jan. 30, 1931

F.C.

326	1	K
327	1	K ₀
328	5	A ₂
329	7	F ₀
330	4	G ₀
331	6	K ₅
332	1	K ₅
333	1	K ₀
334	2	F ₈
335	2	G ₅
336	2	G ₀
337	4	F ₅
338	2	G ₅
339	1	G ₀
340	1	G₅ F ₈
341	1	G ₀
342	4	F ₈
343	1	K ₀
344	1	F
345	1	F ₅
346	2	F ₈
347	3	G ₀
348	4	G ₅
349	3	G ₅
350	1	G ₅

Very ft. Uncertain. Doubt

I 27773

Feb. 18, 1931

326	+14°	⁶ 740	3 ^h	^m 53.9	+14°	32'	9.5	Not in Dm.	
327								Not in Dm.	✓
328	+14°	638	3 ^h	^m 53.5	+14°	48'	9.5		✓
329	+15°	571	3	54.0	+15°	7'	9.1		✓
330	+15°	569	3	^m 53.9	+15°	24'	9.4		✓
331	+15°	574	3	54.9	+15°	15'	9.0		✓
332								Not in Dm.	✓
333								Not in Dm.	✓
334								Not in Dm.	✓
335								Not in Dm.	✓
336								Not in Dm.	✓
337	+15°	575	3	56.7	+15°	11'	9.5		✓
338								Not in Dm.	✓
339								Not in Dm.	✓
340								Not in Dm.	✓
341								Not in Dm.	✓
342	+14°	647	3	56.2	+14°	23'	9.5		✓
343								Not in Dm.	✓
344								Not in Dm.	✓
345								Not in Dm.	✓
346								Not in Dm.	✓
347								Not in Dm.	✓
348	+13°	638	3	57.0	+13°	45'	9.1	Not in	✓
349								Not in Dm.	✓
350								Not in Dm.	✓

Jan. 30, 1931

7995

F.C.

351	3	G ₀
352	4	G ₅
353	7	F ₅
354	6	F ₀
355	2	F ₈
356	2	K ₀
357	2	F ₅
358	5	G ₀
359	4	K ₀
360	5	F ₅
361	1	F ₀
362	4	K ₀
363	1	G
364	1	F ₂
365	1	G
366	3	G ₀
367	1	A ₅
368	7	A ₀
369	3	K ₂
370	5	K ₅
371	1	K ₇
372	3	A ₅
373	8	K ₀
374	1	G ₅
375	1	K ₂

I 27773

Feb. 18, 1931

351								Not in dm. ✓
352	+14	649	3 ^h	57.9	+14°	10'	9.1	Not ✓
353	+13	642	3	58.4	+13	58	8.6	✓
354	+13	643	3	58.5	+13	58	9.1	✓
355	+14	651	3	58.5	+14	4	9.5	✓
356								Not in dm. ✓
357								Not in dm. ✓
358	+14	654	3	58.8	+14	14	9.5	✓
359	+14	655	3	59.1	+14	20	9.0	✓
360	+14	652	3	58.6	+14	28	9.4	✓
361								Not in dm. ✓
362	+14	648	3	57.2	+14	32	9.5	✓
363								Not in dm. ✓
364								Not in dm. ✓
365								Not in dm. ✓
366								Not in dm. ✓
367								Not in dm. ✓
368	+15	577	* ³	57.2	+15	4	9.3	✓
369	+15	578	* ³	57.4	+15	7	9.4	✓
370	+15	576	* ³	57.2	+15	18	9.0	✓
371								Not in dm. ✓
372								Not in dm. ✓
373	+15	579	* ³	57.5	+15	20	8.7	✓
374								Not in dm. ✓
375								Not in dm. ✓

Jan. 30, 1931

1931phae.proj. 22690

Z. C.

376	3	K5
377	5	G0
378	3	K2
379	4	A0
380	1	F8
381	1	G0
382	3	K2
383	1	F8
384	2	F5
385	2	K5
386	1	K5
387	4	G0
388	1	F5
389	3	F0
390	1	K2
391	3	F8
392	1	G
393	2	G0
394	2	F8
395	1	G0
396	1	F8
397	2	F8
398	6	F5
399	4	K0
400	1	K7

Omit. Can not confirm. Ft.

I 27773

Feb. 18, 1931

376	+14°	653	3 ^h	58.8	+14°	56'	9.5	✓
377	+15	584	3	591	+15	3	9.5	✓
378							hot in dm.	✓
379							hot in dm.	✓
380							hot in dm.	✓
381							hot in dm.	✓
382							hot in dm.	✓
383							hot in dm.	✓
384							hot in dm.	✓
385							hot in dm.	✓
386							hot in dm.	✓
387							hot in dm.	✓
388							hot in dm.	✓
389	+13	650	3 ⁴	1.7	+13	19	9.5	✓
390							hot in dm.	✓
391							hot in dm.	✓
392							hot in dm.	✓
393							hot in dm.	✓
394							hot in dm.	✓
395							hot in dm.	✓
396							hot in dm.	✓
397							hot in dm.	✓
398	+14	659	4 ⁴	0.7	+14	10	9.5	✓
399	+14	658	3	0.2	+14	5	9.5	✓
400							hot in dm.	✓

Jan. 30, 1931

m 7.9985

F.C.

401	2	K ₀
402	1	K ₀
403	2	G ₀
404	2	G ₀
405	7	G ₅
406	1	K ₀
407	3	F ₂
408	1	G ₀
409	2	M ₀
410	1	F ₈
411	2	G ₀
412	1	K ₇
413	1	G ₅
414	2	G ₅
415	7	G ₀
416	1	F ₅
417	1	G ₅
418	2	G ₀
419	7	G ₅
420	2	K ₂
421	1	G ₀
422	1	G ₅
423	1	K ₇
424	1	G ₅
425	2	F ₅

197

I 41775

Feb. 18, 1934

401							Not in Dm.	✓
402							Not in Dm.	✓
403	+14°	660	4 ^h	1.6	+14°	50'	9.5	✓
404							Not in Dm.	✓
405	+14	661	4	2.5	+14	52	8.8	✓
406							Not in Dm.	✓
407							Not in Dm.	✓
408							Not in Dm.	✓
409	+14	661a	4	3.1	+14	41	9.5	✓
410							Not in Dm.	✓
411							Not in Dm.	✓
412	+15	597	4	3.8	+15	13	9.5	✓
413							Not in Dm.	✓
414							Not in Dm.	✓
415	+15	600	4	4.8	+15	9	9.5	✓
416							Not in Dm.	✓
417							Not in Dm.	✓
418							Not in Dm.	✓
419	+14	660 ⁷	4	5.9	+14	32	9.1	✓
420	+14	671	4	6.0	+14	34	9.5	✓
421							Not in Dm.	✓
422							Not in Dm.	✓
423							Not in Dm.	✓
424							Not in Dm.	✓
425							Not in Dm.	✓

Jan. 30, 1931

n 9985

4.C.

426	1	G ₀
427	1	K ₅
428	1	F ₈
429	1	K ₂
430	1	M ₀
431	1	F
432	4	G ₅
433	1	F ₈
434	4	G ₀
435	1	G ₅
436	1	F ₈
437	1	K ₀
438	4	G ₅
439	3	K ₅
440	6	K ₀
441	1	G ₀
442	3	G ₀
443	2	F ₈
444	4	G ₀
445	1	F ₈
446	4	A ₂
447	1	F ₅
448	24	F ₈ K ₀
449	1	G ₅
450	2	G ₀

Omit. Loft.

Omit. Loft. mall

Omit. Loft.

dwarf ~~2 stars~~? [Orig 448 = a blend of two stars]

I 41775

Feb. 18, 1931

426								hot in Dm.	✓
427								hot in Dm.	✓
428								hot in Dm.	✓
429								hot in Dm.	✓
430								hot in Dm.	✓
431								hot in Dm.	✓
432	+13°	656	4	h	m	140	01	9.4	
433						13	50		hot in Dm. ✓
434	+13	658	4		9.3	+13	54	9.5	✓
435									hot in Dm. ✓
436									hot in Dm. ✓
437									hot in Dm. ✓
438	+14	676	4		8.8	+14	45	9.4	✓
439	+14	675	4		8.8	+14	33	9.3	✓
440	+15	604	4		7.7	+15	27	9.2	✓
441									hot in Dm. ✓
442	+15	606	4		8.3	+15	29	9.5	✓
443									hot in Dm. ✓
444	+15	608	4		8.6	+15	16	9.5	✓
445									hot in Dm. ✓
446	+15	611	4		10.1	+15	22	9.5	✓
447									hot in Dm. ✓
448	+15	609	4		10.0	+15	44	9.0	✓
449									hot in Dm. ✓
450									hot in Dm. ✓

200

Jan. 30, 1930

M. 9985

f.c.

451	1	F ₈
452	4	K ₁
453	6	F ₅
454	5	K ₂
455	1	A ₅
456	2	K ₀
457	3	G ₀
458	7	F ₈
458a	6	G ₅
459	3	F ₅
460	2	G ₀
461	3	K ₂
462	4	F ₅
463	2	F ₂
464	1	G ₀
465	2	K ₅
466	1	F ₈
467	3	G ₀
468	1	G ₅
469	3	F ₈
470	3	F ₅
471	2	G ₅
472	1	F ₈
473	1	G ₅
474	2	F ₀
475	1	K ₀

Omik. Type

I 41775

Feb. 18, 1931

451							Not in Dm. ✓
452	+14 ⁰	684	4 ^h	12.6	+14 ⁰	48'	9.3 ✓
453	+15	614	4	12.7	+15	35	9.1 ✓
454	+15	615	4	13.7	+15	26	8.9 ✓
455							Not in Dm. ✓
456							Not in Dm. ✓
457	+16	580	4	12.2	+16	34	9.5 ✓
458	+16	581	4	13.2	+16	27	9.0 ✓
459							Not in Dm. ✓
460							Not in Dm. ✓
461	+16	583	4	14.1	+16	54	9.4 ✓
462							Not in Dm. ✓
463							Not in Dm. ✓
464							Not in Dm. ✓
465	+15	616	4	15.2	+15	25	9.5 ✓
466							Not in Dm. ✓
467	+15	617	4	15.5	+15	35	9.5 ✓
468							Not in Dm. ✓
469	+15	618	4	15.7	+15	25	9.5 ✓
470	+15	619	4	15.8	+15	13	9.5 ✓
471	+15	619	4	15.8	+15	13	9.5 ✓
472							Not in Dm. ✓
473							Not in Dm. ✓
474							Not in Dm. ✓
475							Not in Dm. ✓

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m 9985

f.c.

476	2	K5
477	2	F8
478	4	K0
479	3	A2
480	1	G0
481	1	F8
482	1	F5
483	2	G0
484	2	K2
485	3	G0
486	2	K2
487	2	F8
488	3	K0
489	1	G0
490	1	A5
491	3	G5
492	1	G0
493	1	F5
494	1	K0
495	4	F2
496	2	G5
497	6	G0
498	4	G0
499	1	F8
500	4	F2

Voy. Omik

Jorge

I 41775

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476								Not in dm. ✓
477								Not in dm. ✓
478	+15°	620	4 ^h	17.3 ^m	+15°	11'	9.4	✓
479	+15	622	4	17.5	+15	18	9.5	✓
480								Not in dm. ✓
481								Not in dm. ✓
482								Not in dm. ✓
483								Not in dm. ✓
484	+14	698	4	19.3	+14	28	9.3	✓
485								Not in dm. ✓
486								Not in dm. ✓
487								Not in dm. ✓
488	+15	628	4	19.5	+15	6	9.4	✓
489								Not in dm. ✓
490								Not in dm. ✓
491	+15	626	4	19.3	+15	42	9.3	✓
492								Not in dm. ✓
493								Not in dm. ✓
494								Not in dm. ✓
495	+15	623	4	17.8	+15	41	9.5	✓
496								Not in dm. ✓
497	+16	594	4	17.4	+16	19	9.4	✓
498	+16	596	4	17.5	+16	14	9.4	✓
499								Not in dm. ✓
500	+16	599	4	18.2	+16	11	9.5	✓

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F. 9985

F.C.

501	1	K2
502	2	G0
503	2	A2
504	3	G5
505	2	G5
506	2	G0
507	3	K0
508	1	K2
509	1	F5
510	1	K0
511	1	K5
512	1	G5
513	2	G0
514	1	F8
515	2	G0
516	2	F5
517	3	K5
518	3	G0
519	1	G5
520	2	G0
521	2	F0
522	3	A2
523	2	G0
524	4	G0
525	1	F8

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501	+16°	597	4	17.7	+16°	27'	9.5	Not in dm.	✓
502								Not in dm.	✓
503								Not in dm.	✓
504	+16	593	4	16.6 ⁷	+16	38	9.4	Not in dm.	✓
505								Not in dm.	✓
506								Not in dm.	✓
507								Not in dm.	✓
508								Not in dm.	✓
509								Not in dm.	✓
510								Not in dm.	✓
511								Not in dm.	✓
512								Not in dm.	✓
513								Not in dm.	✓
514								Not in dm.	✓
515	+17	713	4	15.7	+17	13	9.4	Not in dm.	✓
516								Not in dm.	✓
517	+17	716	4	16.0	+17	7	9.3	Not in dm.	✓
518	+17	717	4	16.3	+17	19	9.4	Not in dm.	✓
519								Not in dm.	✓
520								Not in dm.	✓
521								Not in dm.	✓
522								Not in dm.	✓
523								Not in dm.	✓
524	+16	604	4	19.4	+16	24	9.5	Not in dm.	✓
525								Not in dm.	✓

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F. 9985.

F.C.

526	4	F2
527	1	G5
528	1	K5
529	2	K7
530	2	F8
531	2	K5 ²
532	3	K5 ⁵
533	3	K5
534	2	F8
535	1	K0
536	1	G0
537	2	G0
538	4	G5
539	2	F5
540	2	K0
541	2	F8
542	1	F8
543	4	K0
544	3	F5
545	2	A3
546	1	K
547	1	F2
548	2	G0
549	1	K5
550	4	G5.

Frank Butler F. Sec 8176

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526	+16°	603	4 ^h	19.0 ^m	+16°	11'	9.5	✓
527								Not in Dm. ✓
528								Not in Dm. ✓
529								Not in Dm. ✓
530								Not in Dm. ✓
531								Not in Dm. ✓
532	+16	607	4	21.2	+16	9	9.5	Not ✓
533	+15	634	4	21.2	+15	55	9.5	Not ✓
534								Not in Dm. ✓
535								Not in Dm. ✓
536								Not in Dm. ✓
537								Not in Dm. ✓
538	+17	733	4	21.1	+17	10	9.5	✓
539								Not in Dm. ✓
540								Not in Dm. ✓
541								Not in Dm. ✓
542								Not in Dm. ✓
543	+17	740	4	22.4	+17	2	9.5	✓
544								Not in Dm. ✓
545								Not in Dm. ✓
546								Not in Dm. ✓
547								Not in Dm. ✓
548								Not in Dm. ✓
549	+16	610	4	22.8	+16	27	9.5	✓
550	+16	611	4	22.8 ⁹	+16	32	9.4	✓

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F 9985

FC.

551	4	G ₀	
552	5	F ₂	
553	1	F ₂	Omik. Torpl.
554	2	G ₀	
555	3	G ₀	
556	1	F ₂	
557	1	G	Harish Omik
558	2	G ₀	" "
559	5	G ₀	
560	1	F ₅	Omik. Torpl.
561	3	A ₅	
562	1	G ₅	
563	1	F	
564	1	F	
565	3	K ₀	
566	4	G ₀	
567	1	K ₀	
568	1	A ₇	
569	1	K ₀	
570	2	G ₅	
571	1	K ₅	
572	7	K ₀	
573	1	F ₈	
574	4	G ₅	
575	3	F ₀	

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551							Not in Sm. ✓
552	+16°	613	4 ^h	23.4	+16°	38' 9.5	✓
553							Not in Sm. ✓
554							Not in Sm. ✓
555	+16	616 ⁵	4	24.0	+16	57 9.5	✓
556							Not in Sm. ✓
557							Not in Sm. ✓
558							Not in Sm. ✓
559	+16	616	4	24.0	+16	16 9.3	✓
560							Not in Sm. ✓
561	+15	644	4	23.1	+15	48 9.5	✓
562							Not in Sm. ✓
563	+16	617	4	24.4	+16	2 9.5	✓
564							Not in Sm. ✓
565							Not in Sm. ✓
566							Not in Sm. ✓
567							Not in Sm. ✓
568							Not in Sm. ✓
569							Not in Sm. ✓
570	+14	717	4	25.1	+14	53 9.5	✓
571	+14	718 ⁹	4	25.2 ⁴	+14	56 9.5 ⁵	See note on card.
572	+14	721	4	25.7	+14	51 8.5	✓
573							Not in Sm. ✓
574	+18 ⁵	620 ⁵	4	26.2	+18 ⁵	31 9.1	✓
575							Not in Sm. ✓

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F.C.

576	4	G ₀
577	4	F ₂
578	2	A ₂
579	5	G ₅
580	6	A ₀
581	2	A ₀
582	3	F ₅
583	1	F ₈
584	1	K ₀
585	2	A ₇
586	1	F ₈
587	1	F ₂
588	1	G
589	1	A ₅
590	4	F ₈
591	2	F ₂
592	2	F ₀
593	1	G
594	2	F ₅
595	2	A ₇
596	2	A ₀
597	4	G ₀
598	4	K ₀
599	2	G ₀
600	2	A ₀

Too fr. faint

I 41775

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576	+16°	619	4 ^h	25.2	+16°	9'	9.2	✓
577	+16°	618	4 ^h	25.2	+16°	12'	9.2	✓
578							Not in Dm.	✓
579	+16	620	4	25.3	+16	26	9.0	✓
580	+16	622	4	25.7	+16	26	9.0	✓
581							Not in Dm.	✓
582							Not in Dm.	✓
583							Not in Dm.	✓
584							Not in Dm.	✓
585							Not in Dm.	✓
586							Not in Dm.	✓
587							Not in Dm.	✓
588							Not in Dm.	✓
589							Not in Dm.	✓
590	+16	626	4	27.2	+16	40	9.4	✓
591							Not in Dm.	✓
592	+16	623	4	26.2	+16	12	9.5	✓
593							Not in Dm.	✓
594							Not in Dm.	✓
595							Not in Dm.	✓
596							Not in Dm.	✓
597	+15	655	4	28.2	+15	52	9.5	✓
598	+16	631	4	28.2	+16	0	9.1	✓
599							Not in Dm.	✓
600							Not in Dm.	✓

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7. 99.55

F. C.

601	3	K ₀
602	3	F ₅
603	4	G ₀
604	3	K ₅
605	1	G ₅
606	3	K ₀
607	4	K ₀
608	5	F ₅
609	3	K ₂
610	2	G ₅
611	5	K ₀
612	4	K ₀
613	1	K ₀
614	7	K ₀
615	5	K ₀
616	6	F ₈
617	1	K
618	2	K ₀
619	1	G
620	2	F ₅
621	1	K ₂
622	1	F ₈
623	1	K ₀
624	2	G ₀
625	1	F ₈

I 26252

~~not in sm.~~

Feb. 19, 1931

601	+15°	567	3 ^h	53.2	+15°	43'	9.3	✓
602	+15	566	3	53.0	+15	55	9.5	✓
603	+15	568	3	53.5	+15	54	9.5	✓
604	+15	570	3	53.7	+15	55	9.5	✓
605								not in sm. ✓
606								not in sm. ✓
607	+15	572	3	54.8	+15	49	9.5	✓
608	+15	573	3	54.9	+15	48	9.5	✓
609	+16	552	3	54.5	+16	14	9.3	✓
610								not in sm. ✓
611	+16	550	3	54.3	+16	28	9.0	✓
612	+16	547	3	53.3	+16	52	9.4	✓
613	+16	548	3	53.6	+16	56	9.5	✓
614	+16	549	3	53.8	+16	54	9.1	✓
615	+16	551	3	54.3	+16	55	9.3	✓
616	+16	553	3	55.1	+16	51	9.3	✓
617								not in sm. ✓
618								not in sm. ✓
619								not in sm. ✓
620								not in sm. ✓
621								not in sm. ✓
622								not in sm. ✓
623								not in sm. ✓
624								not in sm. ✓
625								not in sm. ✓

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F.C.

626	1	F5
627	1	G5
628	7	F0
629	1	F5
630	1	F8
631	1	K
632	1	F8
633	5	K0
634	3	G5
635	2	K5
636	6	G0
637	1	K5
638	5	K2
639	1	K5
640	2	K5
641	1	K
642	3	G0
643	7	A7
644	4	F0
645	1	F8
646	1	K2
647	5	K0
648	5	F5
649	1	F8
650	1	G

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626								Not in dm.	✓
627								Not in dm.	✓
628	+16°	554	3 ^h	56.3	+16°	13'	9.0		✓
629								Not in dm.	✓
630								Not in dm.	✓
631								Not in dm.	✓
632								Not in dm.	✓
633	+16	555	3	56.7	+16	39	9.5		✓
634								Not in dm.	✓
635								Not in dm.	✓
636	+17	678	3	57.0	+17	16	9.2		✓
637								Not in dm.	✓
638	+16	556	3	57.4	+16	48	9.3		✓
639								Not in dm.	✓
640								Not in dm.	✓
641								Not in dm.	✓
642	+15	581	3	58.0	+15	47	9.5		✓
643	+15	583	3	58.3	+15	58	9.0		✓
644	+16	557	3	58.3	+16	4	9.3		✓
645								Not in dm.	✓
646								Not in dm.	✓
647	+16	558	3	59.5	+16	8	9.4		✓
648								Not in dm.	✓
649								Not in dm.	✓
650								Not in dm.	✓

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M⁺ 9985

F.C.

651	1	G ₀
652	3	M ₀
653	1	G ₅
654	3	K ₇
655	2	K ₂
656	3	K ₀
657	2	F ₈
658	1	G ₀
659	2	G ₀
660	1	G ₅
661	1	K ₂
662	2	F ₅
663	3	G ₅
664	1	G ₅
665	2	G ₀
666	2	M ₀
667	2	K ₇
67a	5	G ₀
668	8	F ₅
669	3	F ₈
670	2	G ₅
671	1	K ₅
672	8	F ₈
673	6	K ₂
674	2	F ₅
675	2	K ₂

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651							hot in sm.	✓
652	+15°	586	3	59.9	+15°	37'	9.2	✓
653							hot in sm.	✓
654	+15	588	4	0.5	+15	45	9.4	✓
655	+15	587	4	0.3	+15	50	9.5	✓
656	+15	589	4	0.8	+15	35	9.5	✓
657							hot in sm.	✓
658							hot in sm.	✓
659							hot in sm.	✓
660							hot in sm.	✓
661							hot in sm.	✓
662							hot in sm.	✓
663							hot in sm.	✓
664							hot in sm.	✓
665							hot in sm.	✓
666							hot in sm.	✓
667	+17	685	4	0.4	+17	3	9.5	✓
668	+16	563	4	1.1	+16	47	9.0	✓
669							hot in sm.	✓
670							hot in sm.	✓
671							hot in sm.	✓
672	+17	686	4	1.2	+17	6	9.1	✓
673	+16	564	4	1.9	+16	58	9.2	✓
674							hot in sm.	✓
675	+17	690	4	2.3	+17	4	9.5	✓

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F.C.

676	4	A2
677	5	K0
678	2	K7
679	3	K7
680	1	G5
681	6	F8
682	2	G5
683	1	K5
684	2	G0
685	1	F8
686	3	K0
687	1	F5
688	2	K5
689	5	G0
690	7	F5
691	3	F5
692	3	F2
693	2	G0
694	3	G0
695	3	G0
696	7	G0
697	1	G5
698	2	G0
699	1	F5
700	7	K0

} asteroid Psyche

Cont. in bk. 188, 2

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676 +17°	691	4 ^h	2.4	+17°	4'	9.4	✓
677 +16	566	4	2.8	+16	47	9.0	✓
678 +16	565	4	2.3	+16	23	9.5	✓
679 +15	591	4	2.0	+15	56	9.4	✓
680						Not in Dm.	✓
681 +15	590	4	1.7 1.7	+15	28	9.2	✓
682						Not in Dm.	✓
683						Not in Dm.	✓
684						Not in Dm.	✓
685						Not in Dm.	✓
686 +15	593	4	2.9	+15	28	9.4	✓
687						Not in Dm.	✓
688						Not in Dm.	✓
689 +15	595	4	3.4	+15	49	9.5	✓
690 +15	596	4	3.5	+15	50	9.4	✓
691 +15	598	4	4.0	+15	56	9.5	✓
692 +15	599	4	4.4	+15	54	9.5	✓
693						Not in Dm.	✓
694						asteroid Psyche	
695							
696 +16	570 557	4	4.9	+16	24	9.0	✓
697						Not in Dm.	✓
698						Not in Dm.	✓
699						Not in Dm.	✓
700 +16	568	4	3.3	+16	53	9.0	✓

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1911phae.proj.2269C