

MS257™ ¼ m Monochromator/Spectrograph Naming Configuration

MS257 - M - MC - A
- S - MT - D - (1- 67)

M – monochromator

MC – micrometer driven
slits

A – axial/single output port
access

grating index
number

S – spectrograph

MT – motorized slits

D – dual output port access

Gratings Used in MS257 ¼ m Monochromators/Spectrographs

Model	Wavelength Transmittance Range [nm]	Blaze Wavelength [nm]	Line Density [line/mm]
77740	200 to 700	250	2400
77741	200 to 600	250	1200
77742	200 to 1400	350	1200
77743	200 to 400	200	600
77744	270 to 1000	400	600
77745	650 to 2200	1000	600
77746	675 to 2500	1200	400
77747	300 to 1000	500	300
77748	1100 to 2400	2000	300
77749	580 to 1900	1000	200
77750	2500 to 11000	3500	150
77751	4500 to 20000	7000	75
77752	475 to 1400	750	1200
77753	320 to 925	500	1800
77754	260 to 550	413	121.6
77767	800 to 1900	1250	600
77768	875 to 2200	1600	600
77769	925 to 2600	1600	400
77770	625 to 2000	1000	300

Model	Wavelength Transmittance Range [nm]	Blaze Wavelength [nm]	Line Density [line/mm]
77772	200 to 650	300	150
77773	425 to 1750	800	150
77774	725 to 3250	1300	150

MS257 ¼ m Monochromator and Spectrograph Models

Model	Grating 1	Grating 2	Grating 3	Grating 4
Monochromators without Gratings				
MS257-M-MC-A	N/A			
MS257-M-MC-D				
MS257-M-MT-A				
MS257-M-MT-D				
Spectrographs without Gratings				
MS257-S-MC-A	N/A			
MS257-S-MC-D				
MS257-S-MT-A				
MS257-S-MT-D				
Monochromators with Micrometer Driven Slits, Axial Output Port Access Only				
MS257-M-MC-A-1	77740	77742	77747	77752
MS257-M-MC-A-2	77740	77742	77753	77752
MS257-M-MC-A-3	77740	77745	77748	77750
MS257-M-MC-A-4	77741	77742	77747	77752
MS257-M-MC-A-5	77741	77742	77753	77752
MS257-M-MC-A-6	77741	77749	77769	77750
MS257-M-MC-A-7	77742	77747	77752	77745
MS257-M-MC-A-8	77742	77747	77752	77749
MS257-M-MC-A-9	77742	77747	77752	77770
MS257-M-MC-A-10	77742	77753	77752	77745
MS257-M-MC-A-11	77742	77753	77752	77749
MS257-M-MC-A-12	77742	77753	77752	77770
MS257-M-MC-A-13	77742	77769	77750	77751
MS257-M-MC-A-14	77743	77744	77745	77767
MS257-M-MC-A-15	77743	77747	77769	77750
MS257-M-MC-A-16	77743	77772	77744	77747
MS257-M-MC-A-17	77743	77772	77744	77753
MS257-M-MC-A-18	77744	77745	77767	77768
MS257-M-MC-A-19	77744	77747	77752	77745
MS257-M-MC-A-20	77744	77747	77752	77749

Model	Grating 1	Grating 2	Grating 3	Grating 4
MS257-M-MC-A-21	77744	77747	77752	77770
MS257-M-MC-A-22	77744	77753	77752	77745
MS257-M-MC-A-23	77744	77753	77752	77749
MS257-M-MC-A-24	77744	77753	77752	77770
MS257-M-MC-A-25	77744	77769	77750	77751
MS257-M-MC-A-26	77745	77746	77768	77748
MS257-M-MC-A-27	77745	77746	77769	77748
MS257-M-MC-A-28	77746	77768	77748	77750
MS257-M-MC-A-29	77746	77769	77748	77750
MS257-M-MC-A-30	77746	77769	77750	77751
MS257-M-MC-A-31	77747	77752	77745	77746
MS257-M-MC-A-32	77747	77752	77749	77746
MS257-M-MC-A-33	77747	77752	77770	77746
MS257-M-MC-A-34	77747	77769	77750	77751
MS257-M-MC-A-35	77749	77746	77768	77748
MS257-M-MC-A-36	77749	77746	77769	77748
MS257-M-MC-A-37	77749	77769	77750	77751
MS257-M-MC-A-38	77752	77745	77746	77767
MS257-M-MC-A-39	77752	77745	77746	77774
MS257-M-MC-A-40	77752	77749	77746	77767
MS257-M-MC-A-41	77752	77749	77746	77774
MS257-M-MC-A-42	77752	77769	77750	77751
MS257-M-MC-A-43	77752	77770	77746	77767
MS257-M-MC-A-44	77752	77770	77746	77774
MS257-M-MC-A-45	77753	77752	77745	77746
MS257-M-MC-A-46	77753	77752	77749	77746
MS257-M-MC-A-47	77753	77752	77770	77746
MS257-M-MC-A-48	77753	77768	77769	77750
MS257-M-MC-A-49	77754	77773	77769	77750
MS257-M-MC-A-50	77767	77769	77750	77751
MS257-M-MC-A-51	77768	77748	77750	77751
MS257-M-MC-A-52	77768	77769	77750	77751
MS257-M-MC-A-53	77769	77748	77750	77751
MS257-M-MC-A-54	77770	77746	77768	77748
MS257-M-MC-A-55	77770	77746	77769	77748
MS257-M-MC-A-56	77770	77769	77750	77751
MS257-M-MC-A-57	77772	77744	77747	77752
MS257-M-MC-A-58	77772	77744	77753	77752
MS257-M-MC-A-59	77772	77770	77769	77750

Model	Grating 1	Grating 2	Grating 3	Grating 4
MS257-M-MC-A-60	77772	77773	77774	77750
MS257-M-MC-A-61	77773	77745	77746	77768
MS257-M-MC-A-62	77773	77745	77746	77769
MS257-M-MC-A-63	77773	77749	77746	77768
MS257-M-MC-A-64	77773	77749	77746	77769
MS257-M-MC-A-65	77773	77769	77750	77751
MS257-M-MC-A-66	77773	77770	77746	77768
MS257-M-MC-A-67	77773	77770	77746	77769
Monochromators with Micrometer Driven Slits, Dual Output Port Access				
MS257-M-MC-D-1	77740	77742	77747	77752
MS257-M-MC-D-2	77740	77742	77753	77752
MS257-M-MC-D-3	77740	77745	77748	77750
MS257-M-MC-D-4	77741	77742	77747	77752
MS257-M-MC-D-5	77741	77742	77753	77752
MS257-M-MC-D-6	77741	77749	77769	77750
MS257-M-MC-D-7	77742	77747	77752	77745
MS257-M-MC-D-8	77742	77747	77752	77749
MS257-M-MC-D-9	77742	77747	77752	77770
MS257-M-MC-D-10	77742	77753	77752	77745
MS257-M-MC-D-11	77742	77753	77752	77749
MS257-M-MC-D-12	77742	77753	77752	77770
MS257-M-MC-D-13	77742	77769	77750	77751
MS257-M-MC-D-14	77743	77744	77745	77767
MS257-M-MC-D-15	77743	77747	77769	77750
MS257-M-MC-D-16	77743	77772	77744	77747
MS257-M-MC-D-17	77743	77772	77744	77753
MS257-M-MC-D-18	77744	77745	77767	77768
MS257-M-MC-D-19	77744	77747	77752	77745
MS257-M-MC-D-20	77744	77747	77752	77749
MS257-M-MC-D-21	77744	77747	77752	77770
MS257-M-MC-D-22	77744	77753	77752	77745
MS257-M-MC-D-23	77744	77753	77752	77749
MS257-M-MC-D-24	77744	77753	77752	77770
MS257-M-MC-D-25	77744	77769	77750	77751
MS257-M-MC-D-26	77745	77746	77768	77748
MS257-M-MC-D-27	77745	77746	77769	77748
MS257-M-MC-D-28	77746	77768	77748	77750
MS257-M-MC-D-29	77746	77769	77748	77750
MS257-M-MC-D-30	77746	77769	77750	77751

Model	Grating 1	Grating 2	Grating 3	Grating 4
MS257-M-MC-D-31	77747	77752	77745	77746
MS257-M-MC-D-32	77747	77752	77749	77746
MS257-M-MC-D-33	77747	77752	77770	77746
MS257-M-MC-D-34	77747	77769	77750	77751
MS257-M-MC-D-35	77749	77746	77768	77748
MS257-M-MC-D-36	77749	77746	77769	77748
MS257-M-MC-D-37	77749	77769	77750	77751
MS257-M-MC-D-38	77752	77745	77746	77767
MS257-M-MC-D-39	77752	77745	77746	77774
MS257-M-MC-D-40	77752	77749	77746	77767
MS257-M-MC-D-41	77752	77749	77746	77774
MS257-M-MC-D-42	77752	77769	77750	77751
MS257-M-MC-D-43	77752	77770	77746	77767
MS257-M-MC-D-44	77752	77770	77746	77774
MS257-M-MC-D-45	77753	77752	77745	77746
MS257-M-MC-D-46	77753	77752	77749	77746
MS257-M-MC-D-47	77753	77752	77770	77746
MS257-M-MC-D-48	77753	77768	77769	77750
MS257-M-MC-D-49	77754	77773	77769	77750
MS257-M-MC-D-50	77767	77769	77750	77751
MS257-M-MC-D-51	77768	77748	77750	77751
MS257-M-MC-D-52	77768	77769	77750	77751
MS257-M-MC-D-53	77769	77748	77750	77751
MS257-M-MC-D-54	77770	77746	77768	77748
MS257-M-MC-D-55	77770	77746	77769	77748
MS257-M-MC-D-56	77770	77769	77750	77751
MS257-M-MC-D-57	77772	77744	77747	77752
MS257-M-MC-D-58	77772	77744	77753	77752
MS257-M-MC-D-59	77772	77770	77769	77750
MS257-M-MC-D-60	77772	77773	77774	77750
MS257-M-MC-D-61	77773	77745	77746	77768
MS257-M-MC-D-62	77773	77745	77746	77769
MS257-M-MC-D-63	77773	77749	77746	77768
MS257-M-MC-D-64	77773	77749	77746	77769
MS257-M-MC-D-65	77773	77769	77750	77751
MS257-M-MC-D-66	77773	77770	77746	77768
MS257-M-MC-D-67	77773	77770	77746	77769
Monochromators with Motorized Slits, Axial Output Port Access Only				
MS257-M-MT-A-1	77740	77742	77747	77752

Model	Grating 1	Grating 2	Grating 3	Grating 4
MS257-M-MT-A-2	77740	77742	77753	77752
MS257-M-MT-A-3	77740	77745	77748	77750
MS257-M-MT-A-4	77741	77742	77747	77752
MS257-M-MT-A-5	77741	77742	77753	77752
MS257-M-MT-A-6	77741	77749	77769	77750
MS257-M-MT-A-7	77742	77747	77752	77745
MS257-M-MT-A-8	77742	77747	77752	77749
MS257-M-MT-A-9	77742	77747	77752	77770
MS257-M-MT-A-10	77742	77753	77752	77745
MS257-M-MT-A-11	77742	77753	77752	77749
MS257-M-MT-A-12	77742	77753	77752	77770
MS257-M-MT-A-13	77742	77769	77750	77751
MS257-M-MT-A-14	77743	77744	77745	77767
MS257-M-MT-A-15	77743	77747	77769	77750
MS257-M-MT-A-16	77743	77772	77744	77747
MS257-M-MT-A-17	77743	77772	77744	77753
MS257-M-MT-A-18	77744	77745	77767	77768
MS257-M-MT-A-19	77744	77747	77752	77745
MS257-M-MT-A-20	77744	77747	77752	77749
MS257-M-MT-A-21	77744	77747	77752	77770
MS257-M-MT-A-22	77744	77753	77752	77745
MS257-M-MT-A-23	77744	77753	77752	77749
MS257-M-MT-A-24	77744	77753	77752	77770
MS257-M-MT-A-25	77744	77769	77750	77751
MS257-M-MT-A-26	77745	77746	77768	77748
MS257-M-MT-A-27	77745	77746	77769	77748
MS257-M-MT-A-28	77746	77768	77748	77750
MS257-M-MT-A-29	77746	77769	77748	77750
MS257-M-MT-A-30	77746	77769	77750	77751
MS257-M-MT-A-31	77747	77752	77745	77746
MS257-M-MT-A-32	77747	77752	77749	77746
MS257-M-MT-A-33	77747	77752	77770	77746
MS257-M-MT-A-34	77747	77769	77750	77751
MS257-M-MT-A-35	77749	77746	77768	77748
MS257-M-MT-A-36	77749	77746	77769	77748
MS257-M-MT-A-37	77749	77769	77750	77751
MS257-M-MT-A-38	77752	77745	77746	77767
MS257-M-MT-A-39	77752	77745	77746	77774
MS257-M-MT-A-40	77752	77749	77746	77767

Model	Grating 1	Grating 2	Grating 3	Grating 4
MS257-M-MT-A-41	77752	77749	77746	77774
MS257-M-MT-A-42	77752	77769	77750	77751
MS257-M-MT-A-43	77752	77770	77746	77767
MS257-M-MT-A-44	77752	77770	77746	77774
MS257-M-MT-A-45	77753	77752	77745	77746
MS257-M-MT-A-46	77753	77752	77749	77746
MS257-M-MT-A-47	77753	77752	77770	77746
MS257-M-MT-A-48	77753	77768	77769	77750
MS257-M-MT-A-49	77754	77773	77769	77750
MS257-M-MT-A-50	77767	77769	77750	77751
MS257-M-MT-A-51	77768	77748	77750	77751
MS257-M-MT-A-52	77768	77769	77750	77751
MS257-M-MT-A-53	77769	77748	77750	77751
MS257-M-MT-A-54	77770	77746	77768	77748
MS257-M-MT-A-55	77770	77746	77769	77748
MS257-M-MT-A-56	77770	77769	77750	77751
MS257-M-MT-A-57	77772	77744	77747	77752
MS257-M-MT-A-58	77772	77744	77753	77752
MS257-M-MT-A-59	77772	77770	77769	77750
MS257-M-MT-A-60	77772	77773	77774	77750
MS257-M-MT-A-61	77773	77745	77746	77768
MS257-M-MT-A-62	77773	77745	77746	77769
MS257-M-MT-A-63	77773	77749	77746	77768
MS257-M-MT-A-64	77773	77749	77746	77769
MS257-M-MT-A-65	77773	77769	77750	77751
MS257-M-MT-A-66	77773	77770	77746	77768
MS257-M-MT-A-67	77773	77770	77746	77769
Monochromators with Motorized Slits, Dual Output Port Access				
MS257-M-MT-D-1	77740	77742	77747	77752
MS257-M-MT-D-2	77740	77742	77753	77752
MS257-M-MT-D-3	77740	77745	77748	77750
MS257-M-MT-D-4	77741	77742	77747	77752
MS257-M-MT-D-5	77741	77742	77753	77752
MS257-M-MT-D-6	77741	77749	77769	77750
MS257-M-MT-D-7	77742	77747	77752	77745
MS257-M-MT-D-8	77742	77747	77752	77749
MS257-M-MT-D-9	77742	77747	77752	77770
MS257-M-MT-D-10	77742	77753	77752	77745
MS257-M-MT-D-11	77742	77753	77752	77749

Model	Grating 1	Grating 2	Grating 3	Grating 4
MS257-M-MT-D-12	77742	77753	77752	77770
MS257-M-MT-D-13	77742	77769	77750	77751
MS257-M-MT-D-14	77743	77744	77745	77767
MS257-M-MT-D-15	77743	77747	77769	77750
MS257-M-MT-D-16	77743	77772	77744	77747
MS257-M-MT-D-17	77743	77772	77744	77753
MS257-M-MT-D-18	77744	77745	77767	77768
MS257-M-MT-D-19	77744	77747	77752	77745
MS257-M-MT-D-20	77744	77747	77752	77749
MS257-M-MT-D-21	77744	77747	77752	77770
MS257-M-MT-D-22	77744	77753	77752	77745
MS257-M-MT-D-23	77744	77753	77752	77749
MS257-M-MT-D-24	77744	77753	77752	77770
MS257-M-MT-D-25	77744	77769	77750	77751
MS257-M-MT-D-26	77745	77746	77768	77748
MS257-M-MT-D-27	77745	77746	77769	77748
MS257-M-MT-D-28	77746	77768	77748	77750
MS257-M-MT-D-29	77746	77769	77748	77750
MS257-M-MT-D-30	77746	77769	77750	77751
MS257-M-MT-D-31	77747	77752	77745	77746
MS257-M-MT-D-32	77747	77752	77749	77746
MS257-M-MT-D-33	77747	77752	77770	77746
MS257-M-MT-D-34	77747	77769	77750	77751
MS257-M-MT-D-35	77749	77746	77768	77748
MS257-M-MT-D-36	77749	77746	77769	77748
MS257-M-MT-D-37	77749	77769	77750	77751
MS257-M-MT-D-38	77752	77745	77746	77767
MS257-M-MT-D-39	77752	77745	77746	77774
MS257-M-MT-D-40	77752	77749	77746	77767
MS257-M-MT-D-41	77752	77749	77746	77774
MS257-M-MT-D-42	77752	77769	77750	77751
MS257-M-MT-D-43	77752	77770	77746	77767
MS257-M-MT-D-44	77752	77770	77746	77774
MS257-M-MT-D-45	77753	77752	77745	77746
MS257-M-MT-D-46	77753	77752	77749	77746
MS257-M-MT-D-47	77753	77752	77770	77746
MS257-M-MT-D-48	77753	77768	77769	77750
MS257-M-MT-D-49	77754	77773	77769	77750
MS257-M-MT-D-50	77767	77769	77750	77751

Model	Grating 1	Grating 2	Grating 3	Grating 4
MS257-M-MT-D-51	77768	77748	77750	77751
MS257-M-MT-D-52	77768	77769	77750	77751
MS257-M-MT-D-53	77769	77748	77750	77751
MS257-M-MT-D-54	77770	77746	77768	77748
MS257-M-MT-D-55	77770	77746	77769	77748
MS257-M-MT-D-56	77770	77769	77750	77751
MS257-M-MT-D-57	77772	77744	77747	77752
MS257-M-MT-D-58	77772	77744	77753	77752
MS257-M-MT-D-59	77772	77770	77769	77750
MS257-M-MT-D-60	77772	77773	77774	77750
MS257-M-MT-D-61	77773	77745	77746	77768
MS257-M-MT-D-62	77773	77745	77746	77769
MS257-M-MT-D-63	77773	77749	77746	77768
MS257-M-MT-D-64	77773	77749	77746	77769
MS257-M-MT-D-65	77773	77769	77750	77751
MS257-M-MT-D-66	77773	77770	77746	77768
MS257-M-MT-D-67	77773	77770	77746	77769
Spectrographs with Micrometer Driven Slits, Axial Output Port Access Only				
MS257-S-MC-A-1	77740	77742	77747	77752
MS257-S-MC-A-2	77740	77742	77753	77752
MS257-S-MC-A-3	77740	77745	77748	77750
MS257-S-MC-A-4	77741	77742	77747	77752
MS257-S-MC-A-5	77741	77742	77753	77752
MS257-S-MC-A-6	77741	77749	77769	77750
MS257-S-MC-A-7	77742	77747	77752	77745
MS257-S-MC-A-8	77742	77747	77752	77749
MS257-S-MC-A-9	77742	77747	77752	77770
MS257-S-MC-A-10	77742	77753	77752	77745
MS257-S-MC-A-11	77742	77753	77752	77749
MS257-S-MC-A-12	77742	77753	77752	77770
MS257-S-MC-A-13	77742	77769	77750	77751
MS257-S-MC-A-14	77743	77744	77745	77767
MS257-S-MC-A-15	77743	77747	77769	77750
MS257-S-MC-A-16	77743	77772	77744	77747
MS257-S-MC-A-17	77743	77772	77744	77753
MS257-S-MC-A-18	77744	77745	77767	77768
MS257-S-MC-A-19	77744	77747	77752	77745
MS257-S-MC-A-20	77744	77747	77752	77749
MS257-S-MC-A-21	77744	77747	77752	77770

Model	Grating 1	Grating 2	Grating 3	Grating 4
MS257-S-MC-A-22	77744	77753	77752	77745
MS257-S-MC-A-23	77744	77753	77752	77749
MS257-S-MC-A-24	77744	77753	77752	77770
MS257-S-MC-A-25	77744	77769	77750	77751
MS257-S-MC-A-26	77745	77746	77768	77748
MS257-S-MC-A-27	77745	77746	77769	77748
MS257-S-MC-A-28	77746	77768	77748	77750
MS257-S-MC-A-29	77746	77769	77748	77750
MS257-S-MC-A-30	77746	77769	77750	77751
MS257-S-MC-A-31	77747	77752	77745	77746
MS257-S-MC-A-32	77747	77752	77749	77746
MS257-S-MC-A-33	77747	77752	77770	77746
MS257-S-MC-A-34	77747	77769	77750	77751
MS257-S-MC-A-35	77749	77746	77768	77748
MS257-S-MC-A-36	77749	77746	77769	77748
MS257-S-MC-A-37	77749	77769	77750	77751
MS257-S-MC-A-38	77752	77745	77746	77767
MS257-S-MC-A-39	77752	77745	77746	77774
MS257-S-MC-A-40	77752	77749	77746	77767
MS257-S-MC-A-41	77752	77749	77746	77774
MS257-S-MC-A-42	77752	77769	77750	77751
MS257-S-MC-A-43	77752	77770	77746	77767
MS257-S-MC-A-44	77752	77770	77746	77774
MS257-S-MC-A-45	77753	77752	77745	77746
MS257-S-MC-A-46	77753	77752	77749	77746
MS257-S-MC-A-47	77753	77752	77770	77746
MS257-S-MC-A-48	77753	77768	77769	77750
MS257-S-MC-A-49	77754	77773	77769	77750
MS257-S-MC-A-50	77767	77769	77750	77751
MS257-S-MC-A-51	77768	77748	77750	77751
MS257-S-MC-A-52	77768	77769	77750	77751
MS257-S-MC-A-53	77769	77748	77750	77751
MS257-S-MC-A-54	77770	77746	77768	77748
MS257-S-MC-A-55	77770	77746	77769	77748
MS257-S-MC-A-56	77770	77769	77750	77751
MS257-S-MC-A-57	77772	77744	77747	77752
MS257-S-MC-A-58	77772	77744	77753	77752
MS257-S-MC-A-59	77772	77770	77769	77750
MS257-S-MC-A-60	77772	77773	77774	77750

Model	Grating 1	Grating 2	Grating 3	Grating 4
MS257-S-MC-A-61	77773	77745	77746	77768
MS257-S-MC-A-62	77773	77745	77746	77769
MS257-S-MC-A-63	77773	77749	77746	77768
MS257-S-MC-A-64	77773	77749	77746	77769
MS257-S-MC-A-65	77773	77769	77750	77751
MS257-S-MC-A-66	77773	77770	77746	77768
MS257-S-MC-A-67	77773	77770	77746	77769
Spectrographs with Micrometer Driven Slits, Dual Output Port Access				
MS257-S-MC-D-1	77740	77742	77747	77752
MS257-S-MC-D-2	77740	77742	77753	77752
MS257-S-MC-D-3	77740	77745	77748	77750
MS257-S-MC-D-4	77741	77742	77747	77752
MS257-S-MC-D-5	77741	77742	77753	77752
MS257-S-MC-D-6	77741	77749	77769	77750
MS257-S-MC-D-7	77742	77747	77752	77745
MS257-S-MC-D-8	77742	77747	77752	77749
MS257-S-MC-D-9	77742	77747	77752	77770
MS257-S-MC-D-10	77742	77753	77752	77745
MS257-S-MC-D-11	77742	77753	77752	77749
MS257-S-MC-D-12	77742	77753	77752	77770
MS257-S-MC-D-13	77742	77769	77750	77751
MS257-S-MC-D-14	77743	77744	77745	77767
MS257-S-MC-D-15	77743	77747	77769	77750
MS257-S-MC-D-16	77743	77772	77744	77747
MS257-S-MC-D-17	77743	77772	77744	77753
MS257-S-MC-D-18	77744	77745	77767	77768
MS257-S-MC-D-19	77744	77747	77752	77745
MS257-S-MC-D-20	77744	77747	77752	77749
MS257-S-MC-D-21	77744	77747	77752	77770
MS257-S-MC-D-22	77744	77753	77752	77745
MS257-S-MC-D-23	77744	77753	77752	77749
MS257-S-MC-D-24	77744	77753	77752	77770
MS257-S-MC-D-25	77744	77769	77750	77751
MS257-S-MC-D-26	77745	77746	77768	77748
MS257-S-MC-D-27	77745	77746	77769	77748
MS257-S-MC-D-28	77746	77768	77748	77750
MS257-S-MC-D-29	77746	77769	77748	77750
MS257-S-MC-D-30	77746	77769	77750	77751
MS257-S-MC-D-31	77747	77752	77745	77746

Model	Grating 1	Grating 2	Grating 3	Grating 4
MS257-S-MC-D-32	77747	77752	77749	77746
MS257-S-MC-D-33	77747	77752	77770	77746
MS257-S-MC-D-34	77747	77769	77750	77751
MS257-S-MC-D-35	77749	77746	77768	77748
MS257-S-MC-D-36	77749	77746	77769	77748
MS257-S-MC-D-37	77749	77769	77750	77751
MS257-S-MC-D-38	77752	77745	77746	77767
MS257-S-MC-D-39	77752	77745	77746	77774
MS257-S-MC-D-40	77752	77749	77746	77767
MS257-S-MC-D-41	77752	77749	77746	77774
MS257-S-MC-D-42	77752	77769	77750	77751
MS257-S-MC-D-43	77752	77770	77746	77767
MS257-S-MC-D-44	77752	77770	77746	77774
MS257-S-MC-D-45	77753	77752	77745	77746
MS257-S-MC-D-46	77753	77752	77749	77746
MS257-S-MC-D-47	77753	77752	77770	77746
MS257-S-MC-D-48	77753	77768	77769	77750
MS257-S-MC-D-49	77754	77773	77769	77750
MS257-S-MC-D-50	77767	77769	77750	77751
MS257-S-MC-D-51	77768	77748	77750	77751
MS257-S-MC-D-52	77768	77769	77750	77751
MS257-S-MC-D-53	77769	77748	77750	77751
MS257-S-MC-D-54	77770	77746	77768	77748
MS257-S-MC-D-55	77770	77746	77769	77748
MS257-S-MC-D-56	77770	77769	77750	77751
MS257-S-MC-D-57	77772	77744	77747	77752
MS257-S-MC-D-58	77772	77744	77753	77752
MS257-S-MC-D-59	77772	77770	77769	77750
MS257-S-MC-D-60	77772	77773	77774	77750
MS257-S-MC-D-61	77773	77745	77746	77768
MS257-S-MC-D-62	77773	77745	77746	77769
MS257-S-MC-D-63	77773	77749	77746	77768
MS257-S-MC-D-64	77773	77749	77746	77769
MS257-S-MC-D-65	77773	77769	77750	77751
MS257-S-MC-D-66	77773	77770	77746	77768
MS257-S-MC-D-67	77773	77770	77746	77769
Spectrographs with Motorized Slits, Axial Output Port Access Only				
MS257-S-MT-A-1	77740	77742	77747	77752
MS257-S-MT-A-2	77740	77742	77753	77752

Model	Grating 1	Grating 2	Grating 3	Grating 4
MS257-S-MT-A-3	77740	77745	77748	77750
MS257-S-MT-A-4	77741	77742	77747	77752
MS257-S-MT-A-5	77741	77742	77753	77752
MS257-S-MT-A-6	77741	77749	77769	77750
MS257-S-MT-A-7	77742	77747	77752	77745
MS257-S-MT-A-8	77742	77747	77752	77749
MS257-S-MT-A-9	77742	77747	77752	77770
MS257-S-MT-A-10	77742	77753	77752	77745
MS257-S-MT-A-11	77742	77753	77752	77749
MS257-S-MT-A-12	77742	77753	77752	77770
MS257-S-MT-A-13	77742	77769	77750	77751
MS257-S-MT-A-14	77743	77744	77745	77767
MS257-S-MT-A-15	77743	77747	77769	77750
MS257-S-MT-A-16	77743	77772	77744	77747
MS257-S-MT-A-17	77743	77772	77744	77753
MS257-S-MT-A-18	77744	77745	77767	77768
MS257-S-MT-A-19	77744	77747	77752	77745
MS257-S-MT-A-20	77744	77747	77752	77749
MS257-S-MT-A-21	77744	77747	77752	77770
MS257-S-MT-A-22	77744	77753	77752	77745
MS257-S-MT-A-23	77744	77753	77752	77749
MS257-S-MT-A-24	77744	77753	77752	77770
MS257-S-MT-A-25	77744	77769	77750	77751
MS257-S-MT-A-26	77745	77746	77768	77748
MS257-S-MT-A-27	77745	77746	77769	77748
MS257-S-MT-A-28	77746	77768	77748	77750
MS257-S-MT-A-29	77746	77769	77748	77750
MS257-S-MT-A-30	77746	77769	77750	77751
MS257-S-MT-A-31	77747	77752	77745	77746
MS257-S-MT-A-32	77747	77752	77749	77746
MS257-S-MT-A-33	77747	77752	77770	77746
MS257-S-MT-A-34	77747	77769	77750	77751
MS257-S-MT-A-35	77749	77746	77768	77748
MS257-S-MT-A-36	77749	77746	77769	77748
MS257-S-MT-A-37	77749	77769	77750	77751
MS257-S-MT-A-38	77752	77745	77746	77767
MS257-S-MT-A-39	77752	77745	77746	77774
MS257-S-MT-A-40	77752	77749	77746	77767
MS257-S-MT-A-41	77752	77749	77746	77774

Model	Grating 1	Grating 2	Grating 3	Grating 4
MS257-S-MT-A-42	77752	77769	77750	77751
MS257-S-MT-A-43	77752	77770	77746	77767
MS257-S-MT-A-44	77752	77770	77746	77774
MS257-S-MT-A-45	77753	77752	77745	77746
MS257-S-MT-A-46	77753	77752	77749	77746
MS257-S-MT-A-47	77753	77752	77770	77746
MS257-S-MT-A-48	77753	77768	77769	77750
MS257-S-MT-A-49	77754	77773	77769	77750
MS257-S-MT-A-50	77767	77769	77750	77751
MS257-S-MT-A-51	77768	77748	77750	77751
MS257-S-MT-A-52	77768	77769	77750	77751
MS257-S-MT-A-53	77769	77748	77750	77751
MS257-S-MT-A-54	77770	77746	77768	77748
MS257-S-MT-A-55	77770	77746	77769	77748
MS257-S-MT-A-56	77770	77769	77750	77751
MS257-S-MT-A-57	77772	77744	77747	77752
MS257-S-MT-A-58	77772	77744	77753	77752
MS257-S-MT-A-59	77772	77770	77769	77750
MS257-S-MT-A-60	77772	77773	77774	77750
MS257-S-MT-A-61	77773	77745	77746	77768
MS257-S-MT-A-62	77773	77745	77746	77769
MS257-S-MT-A-63	77773	77749	77746	77768
MS257-S-MT-A-64	77773	77749	77746	77769
MS257-S-MT-A-65	77773	77769	77750	77751
MS257-S-MT-A-66	77773	77770	77746	77768
MS257-S-MT-A-67	77773	77770	77746	77769
Spectrographs with Motorized Slits, Dual Output Port Access				
MS257-S-MT-D-1	77740	77742	77747	77752
MS257-S-MT-D-2	77740	77742	77753	77752
MS257-S-MT-D-3	77740	77745	77748	77750
MS257-S-MT-D-4	77741	77742	77747	77752
MS257-S-MT-D-5	77741	77742	77753	77752
MS257-S-MT-D-6	77741	77749	77769	77750
MS257-S-MT-D-7	77742	77747	77752	77745
MS257-S-MT-D-8	77742	77747	77752	77749
MS257-S-MT-D-9	77742	77747	77752	77770
MS257-S-MT-D-10	77742	77753	77752	77745
MS257-S-MT-D-11	77742	77753	77752	77749
MS257-S-MT-D-12	77742	77753	77752	77770

Model	Grating 1	Grating 2	Grating 3	Grating 4
MS257-S-MT-D-13	77742	77769	77750	77751
MS257-S-MT-D-14	77743	77744	77745	77767
MS257-S-MT-D-15	77743	77747	77769	77750
MS257-S-MT-D-16	77743	77772	77744	77747
MS257-S-MT-D-17	77743	77772	77744	77753
MS257-S-MT-D-18	77744	77745	77767	77768
MS257-S-MT-D-19	77744	77747	77752	77745
MS257-S-MT-D-20	77744	77747	77752	77749
MS257-S-MT-D-21	77744	77747	77752	77770
MS257-S-MT-D-22	77744	77753	77752	77745
MS257-S-MT-D-23	77744	77753	77752	77749
MS257-S-MT-D-24	77744	77753	77752	77770
MS257-S-MT-D-25	77744	77769	77750	77751
MS257-S-MT-D-26	77745	77746	77768	77748
MS257-S-MT-D-27	77745	77746	77769	77748
MS257-S-MT-D-28	77746	77768	77748	77750
MS257-S-MT-D-29	77746	77769	77748	77750
MS257-S-MT-D-30	77746	77769	77750	77751
MS257-S-MT-D-31	77747	77752	77745	77746
MS257-S-MT-D-32	77747	77752	77749	77746
MS257-S-MT-D-33	77747	77752	77770	77746
MS257-S-MT-D-34	77747	77769	77750	77751
MS257-S-MT-D-35	77749	77746	77768	77748
MS257-S-MT-D-36	77749	77746	77769	77748
MS257-S-MT-D-37	77749	77769	77750	77751
MS257-S-MT-D-38	77752	77745	77746	77767
MS257-S-MT-D-39	77752	77745	77746	77774
MS257-S-MT-D-40	77752	77749	77746	77767
MS257-S-MT-D-41	77752	77749	77746	77774
MS257-S-MT-D-42	77752	77769	77750	77751
MS257-S-MT-D-43	77752	77770	77746	77767
MS257-S-MT-D-44	77752	77770	77746	77774
MS257-S-MT-D-45	77753	77752	77745	77746
MS257-S-MT-D-46	77753	77752	77749	77746
MS257-S-MT-D-47	77753	77752	77770	77746
MS257-S-MT-D-48	77753	77768	77769	77750
MS257-S-MT-D-49	77754	77773	77769	77750
MS257-S-MT-D-50	77767	77769	77750	77751
MS257-S-MT-D-51	77768	77748	77750	77751

Model	Grating 1	Grating 2	Grating 3	Grating 4
MS257-S-MT-D-52	77768	77769	77750	77751
MS257-S-MT-D-53	77769	77748	77750	77751
MS257-S-MT-D-54	77770	77746	77768	77748
MS257-S-MT-D-55	77770	77746	77769	77748
MS257-S-MT-D-56	77770	77769	77750	77751
MS257-S-MT-D-57	77772	77744	77747	77752
MS257-S-MT-D-58	77772	77744	77753	77752
MS257-S-MT-D-59	77772	77770	77769	77750
MS257-S-MT-D-60	77772	77773	77774	77750
MS257-S-MT-D-61	77773	77745	77746	77768
MS257-S-MT-D-62	77773	77745	77746	77769
MS257-S-MT-D-63	77773	77749	77746	77768
MS257-S-MT-D-64	77773	77749	77746	77769
MS257-S-MT-D-65	77773	77769	77750	77751
MS257-S-MT-D-66	77773	77770	77746	77768
MS257-S-MT-D-67	77773	77770	77746	77769