

Camera/Imaging - ASI1600MM Cool/Broadband							
Gain/SQM21.5	f10	f8	f7	f6	f5	f4	ADU >Bias
0	14	9	7	5	3.7	2.4	420
50	6.5	4.2	3.2	2.3	1.7	1.1	340
75	5	3.2	2.5	1.8	1.3	50s	340
100	3.7	2.4	1.9	1.4	1	35s	340
139	3	1.9	1.5	1.1	45s	30s	450
200	2.2	1.4	1.1	50s	35s	20s	640
Gain/SQM21.0	f10	f8	f7	f6	f5	f4	ADU >Bias
0	9	5.7	4.5	3.3	2.3	1.5	420
50	4.1	2.7	2	1.5	1.1	40s	340
75	3.2	2	1.6	1.2	50s	30s	340
100	2.4	1.6	1.2	55s	35s	25s	340
139	1.9	1.3	55s	40s	30s	20s	450
200	1.4	55s	40s	30s	20s	15s	640
Gain/SQM20.0	f10	f8	f7	f6	f5	f4	ADU >Bias
0	3.6	2.3	1.8	1.3	55s	35s	420
50	1.7	1.1	50s	40s	25s	15s	340
75	1.3	50s	40s	25s	35s	12s	340
100	1	35s	30s	20s	15s	<10s	340
139	50s	30s	25s	15s	12s	<10s	450
200	35s	20s	15s	10s	<10s	<10s	640
Gain/SQM19.0	f10	f8	f7	f6	f5	f4	ADU >Bias
0	1.5	55s	45s	30s	20s	15s	420
50	40s	25s	20s	15s	10s	<10s	340
75	30s	20s	15s	10s	<10s	<10s	340
100	25s	15s	10s	<10s	<10s	<10s	340
139	15s	15s	<10s	<10s	<10s	<10s	450
200	12s	10s	<10s	<10s	<10s	<10s	640

Camera/Imaging - ASI183MM Pro/Broadband								
Gain/SQM21.6	f10	f8	f7	f6	f5	f4	f2	ADU >Bias
0	15	10	7.5	5.5	3.8	2.5	35s	400
50	11	7	5.5	4	2.8	1.8	30s	510
100	8	5	4	3	2	1.3	25s	640
150	7	4.5	3.5	2.5	1.8	1.2	20s	1030
200	6	4	3	2.2	1.5	1	15s	1280
300	4	2.5	2	1.5	1	40s	10s	3840
Gain/SQM21.0	f10	f8	f7	f6	f5	f4	f2	ADU >Bias
0	9	5.5	4.3	3.1	2.2	1.4	20s	400
50	6.5	4	3.2	2.4	1.6	1.1	15s	510
100	4.5	3	2.3	1.7	1.2	50s	10s	640
150	4	2.6	2	1.5	1	40s	<10s	1030
200	3.5	2.2	1.7	1.3	55s	30s	<10s	1280
300	2.3	1.5	1.1	50s	35s	25s	<10s	3840
Gain/SQM20.0	f10	f8	f7	f6	f5	f4	f2	ADU >Bias
0	3.5	2.2	1.7	1.3	55s	35s	<10s	400
50	2.6	1.7	1.3	1	40s	25s	<10s	510
100	1.9	1.2	55s	40s	30s	20s	<10s	640
150	1.7	1.1	50s	35s	25s	15s	<10s	1030
200	1.4	55s	40s	25s	20s	10s	<10s	1280
300	1	35s	25s	20s	15s	<10s	<10s	3840
Gain/SQM19.0	f10	f8	f7	f6	f5	f4	f2	ADU >Bias
0	1.4	55s	40s	30s	20s	15s	<10s	400
50	1	40s	30s	20s	15s	10s	<10s	510
100	45s	30s	25s	15s	10s	<10s	<10s	640
150	40s	25s	20s	15s	<10s	<10s	<10s	1030
200	35s	20s	15s	10s	<10s	<10s	<10s	1280
300	20s	15s	10s	<10s	<10s	<10s	<10s	3840

Camera/Imaging - ASI071MC Pro/Broadband								
Gain/SQM21.5	f10	f8	f7	f6	f5	f4	f2	ADU >Bias
0	22	14	11	8	5.5	3.6	55s	160
50	16	11	8	6	4.2	2.7	40s	200
90	14	9	7	5	3.6	2.3	35s	290
150	12	8	6	4.5	3.2	2	30s	450
200	11	7	5.5	4	2.8	1.8	25s	630
Gain/SQM21.0	f10	f8	f7	f6	f5	f4	f2	ADU >Bias
0	14	9	7	5	3.5	2.2	35s	160
50	10	6.5	5	3.7	2.6	1.7	25s	200
90	9	6	4.6	3.4	2.3	1.5	25s	290
150	7.5	5	3.8	2.8	2	1.3	20s	450
200	7	4.5	3.4	2.5	1.8	1.1	20s	630
Gain/SQM20.0	f10	f8	f7	f6	f5	f4	f2	ADU >Bias
0	5.5	3.6	2.7	2	1.4	55s	15s	160
50	4.1	2.7	2	1.5	1.1	40s	10s	200
90	3.5	2.3	1.8	1.3	55s	35s	<10s	290
150	3.1	2	1.6	1.2	50s	30s	<10s	450
200	2.8	1.8	1.4	1	40s	25s	<10s	630
Gain/SQM19.0	f10	f8	f7	f6	f5	f4	f2	ADU >Bias
0	2.2	1.4	1.1	50s	35s	25s	<10s	160
50	1.7	1.1	50s	35s	25s	15s	<10s	200
90	1.5	1	40s	35s	20s	15s	<10s	290
150	1.3	50s	35s	25s	20s	10s	<10s	450
200	1.1	40s	35s	25s	15s	10s	<10s	630

Camera/Imaging - ASI1600MM Cool/Narrowband							
Gain/SQM21.0	f10	f8	f7	f6	f5	f4	ADU >Bias
0	>1hr	>1hr	>1hr	>1hr	>1hr	>1hr	420
50	>1hr	>1hr	>1hr	>1hr	>1hr	50	340
75	>1hr	>1hr	>1hr	>1hr	52	38	340
100	>1hr	>1hr	60	48	39	28	340
139	60	52	47	39	31	23	450
200	45	38	33	28	22	16	640
Gain/SQM18.0	f10	f8	f7	f6	f5	f4	ADU >Bias
0	50	33	26	19	14	9	420
50	23	15	12	9	6	4	340
75	18	12	9	7	5	3.2	340
100	13	9	7	5	3.5	2.3	340
139	11	7	5.5	4.2	3	1.9	450
200	8	5	4	3	2.1	1.4	640

Camera/Imaging - ASI1183MM Pro/Narrowband								
Gain/SQM21.0	f10	f8	f7	f6	f5	f4	f2	ADU >Bias
0	>1hr	>1hr	>1hr	>1hr	>1hr	>1hr	34	400
50	>1hr	>1hr	>1hr	>1hr	>1hr	>1hr	25	510
100	>1hr	>1hr	>1hr	>1hr	>1hr	1hr	18	640
150	>1hr	>1hr	>1hr	>1hr	1hr	47	16	1030
200	>1hr	>1hr	>1hr	>1hr	53	40	13	1280
300	1hr	52	47	41	35	27	9	3840
Gain/SQM18.0	f10	f8	f7	f6	f5	f4	f2	ADU >Bias
0	50	34	26	20	14	10	2.5	400
50	38	25	20	15	11	7	1.8	510
100	26	18	15	11	8	5	1.3	640
150	23	16	13	10	7	4.5	1.1	1030
200	20	14	11	8	6	4	1	1280
300	13	9	7	5.5	4	2.5	35s	3840