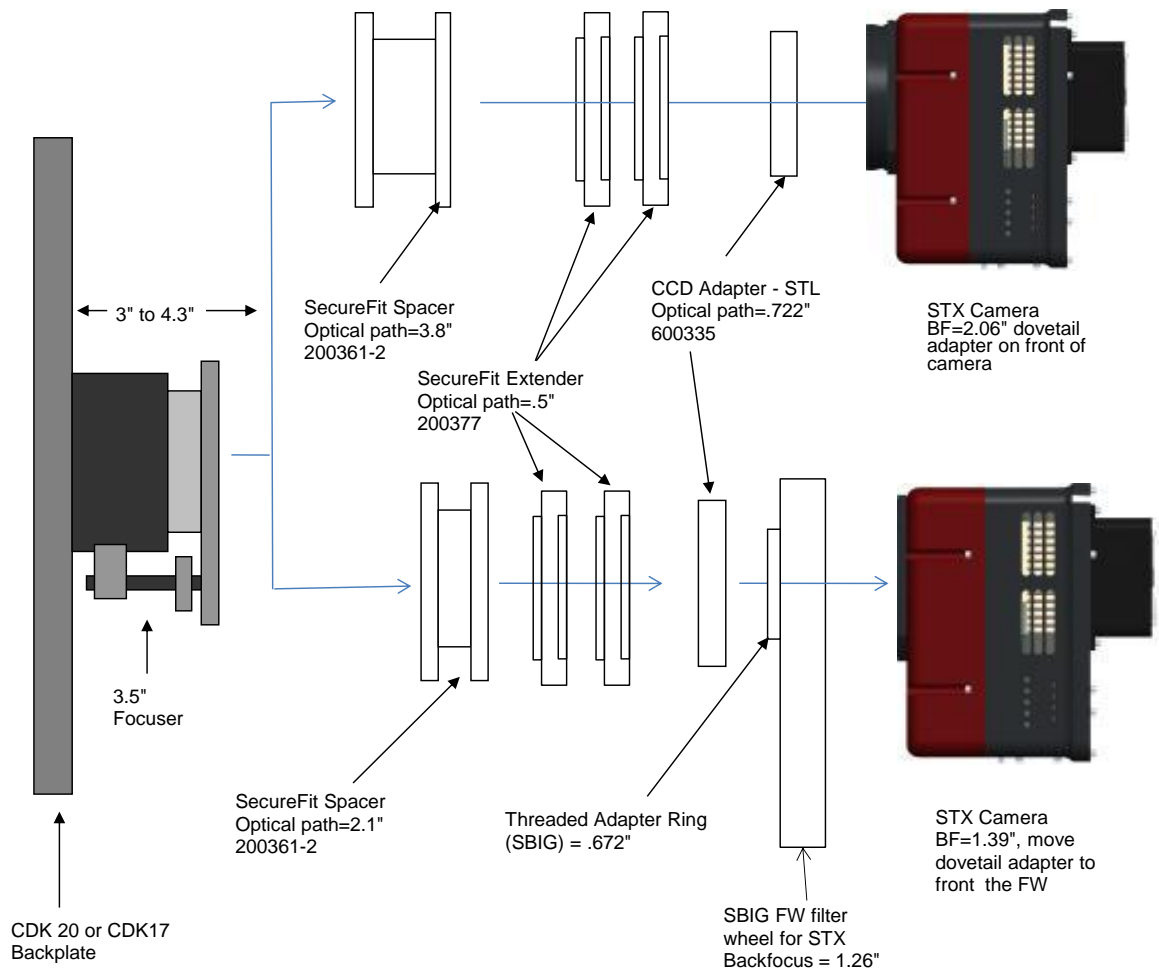


PLANEWAVE INSTRUMENTS
CDK17 SPACERS FOR STX CAMERAS

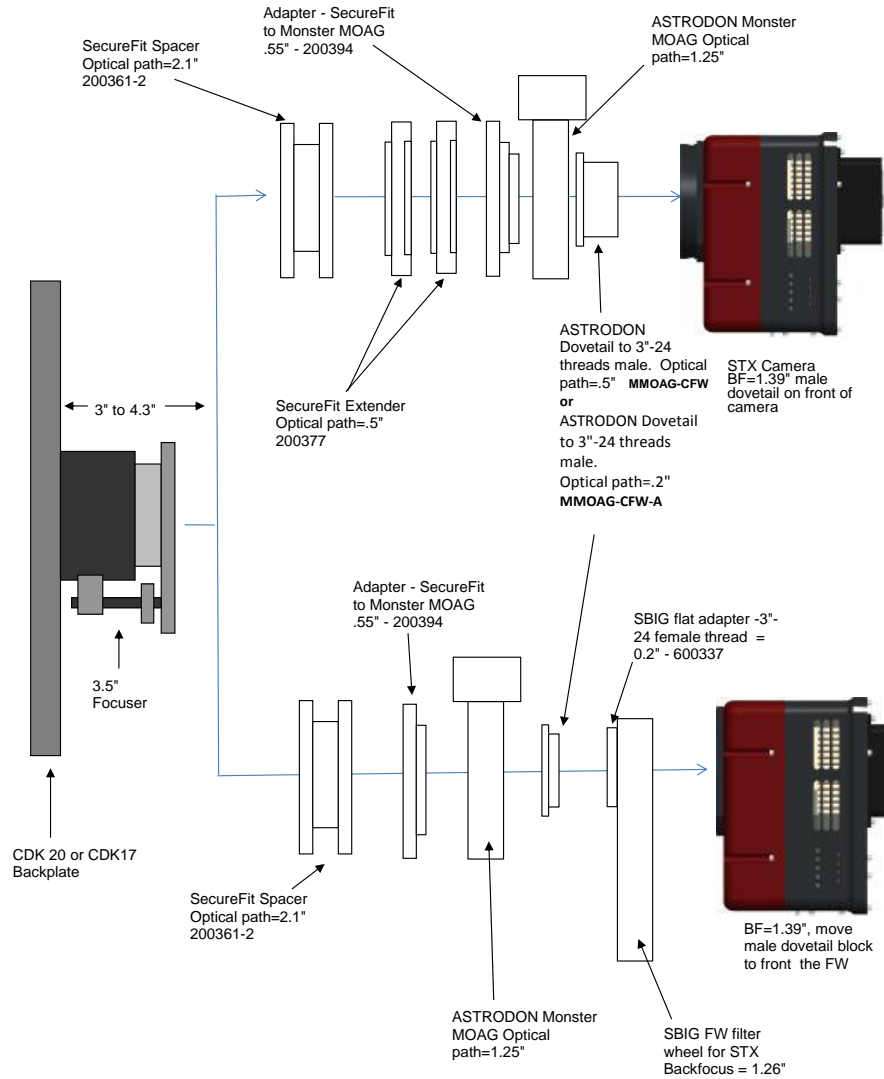


STX	10.24	remaining BF
Focuser racked in	3	7.24
Focuser position (0-1.3") 200340	0.328	6.912
CCD Spacer 3.8" - 200361-1	3.8	3.112
CCD SecureFit Extender - 200377	0.5	2.612
CCD SecureFit Extender - 200377	0.5	2.112
CCD Adapter STX - 600335	0.722	1.39
ring attached	1.39	0

STX w/ IRF90	10.24	remaining BF
IR90 (raked in) 600180	3.5	6.74
Focus Position (0-1.3")	0.328	6.412
SecureFit 3.8" Adapter - 200361-1	3.8	2.612
SecureFit CCD Extender - 200377	0.5	2.112
CCD Adapter STX - 600335	0.722	1.39
SBIG STX 16803	1.39	0

STX w/ FW	10.24	remaining BF
Focuser racked in	3	7.24
Focuser position (0-1.3")	0.768	6.472
CCD Spacer 2.1 - 200361-2	2.1	4.372
SecureFit Extender - 200377	0.5	3.872
SecureFit Extender - 200377	0.5	3.372
CCD Adapter STX - 600335	0.722	2.65
Filter Wheel w/threaded adapter ring attached	1.26	1.39
STX Back Focus	1.39	0

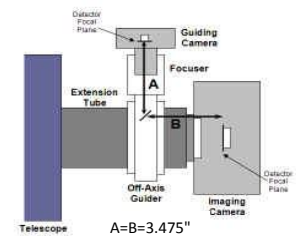
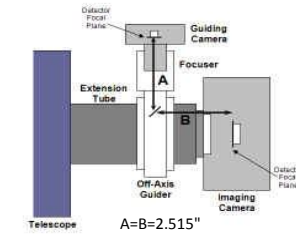
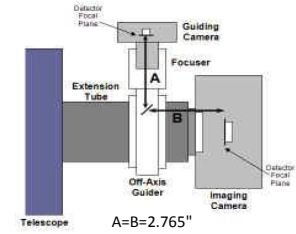
PLANEWAVE INSTRUMENTS
CDK17 SPACERS FOR STX CAMERAS



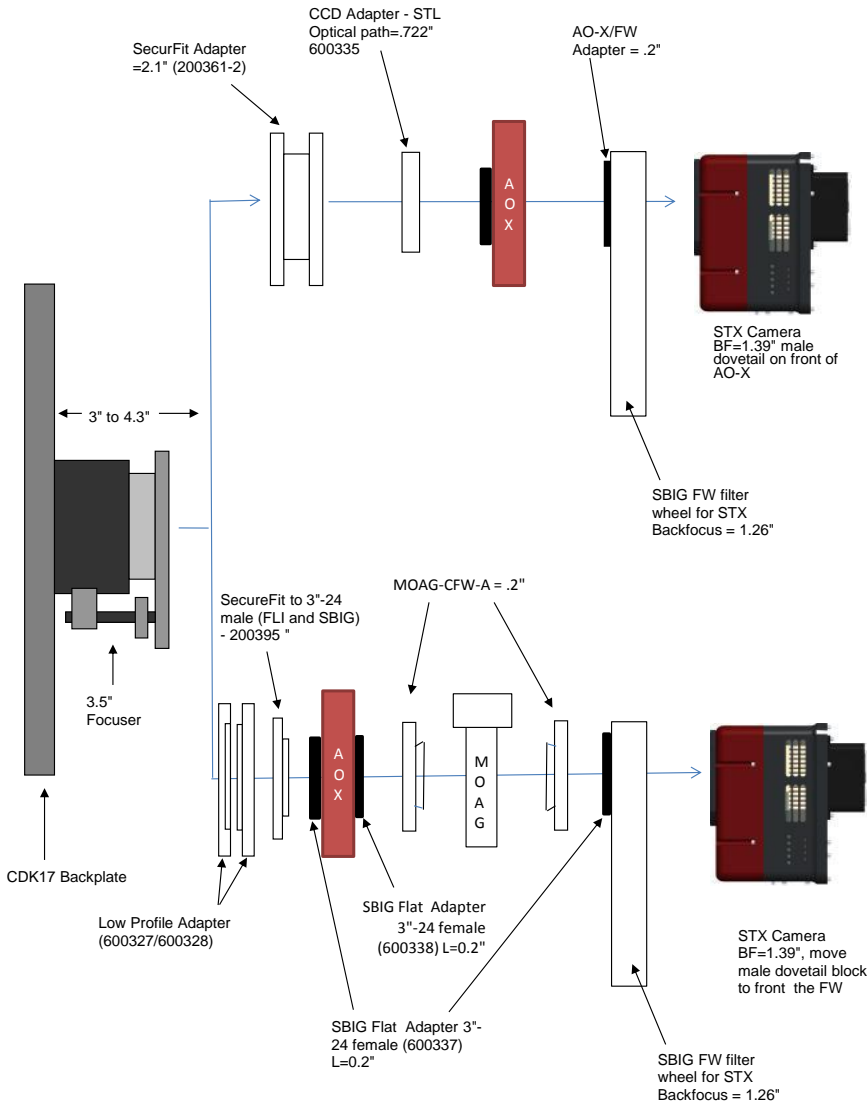
STX camera and MMOAG		10.24	remaining BF
Focuser racked in	3	7.24	
Focuser position (0-1.3")	0.7	6.54	
CCD Spacer 2.1 - 200361-2	2.1	4.44	
SecureFit 1/2" Spacer - 200377	0.5	3.94	
CCD SecureFit to MMOAG - 200394	0.55	3.39	
Monster MOAG	1.25	2.14	
MMOAG-STL-L	0.75	1.39	
STX Back Focus	1.39	0	

STX camera and MMOAG		10.24	remaining BF
Focuser racked in	3	7.24	
Focuser position (0-1.3")	0.45	6.79	
CCD Spacer 2.1 - 200361-2	2.1	4.69	
SecureFit 1/2" Spacer - 200377	0.5	4.19	
SecureFit 1/2" Spacer - 200377	0.5	3.69	
CCD SecureFit to MMOAG - 200394	0.55	3.14	
Monster MMOAG	1.25	1.89	
MMOAG-CFW	0.5	1.39	
SLT Back Focus	1.39	0	

STX camera and MMOAG		10.24	remaining BF
Focuser racked in	3	7.24	
Focuser position (0-1.3")	0.29	6.95	
CCD Spacer 2.1 - 200361-2	2.1	4.85	
CCD SecureFit to MMOAG - 200394	0.55	4.3	
AstroDon part - MMOAG	1.25	3.05	
AstroDon part - MMOAG-CFW-A	0.2	2.85	
SBIG Flat Adapter - 600337	0.2	2.65	
Filter Wheel, FW8	1.26	1.39	
SLX Back Focus	1.39	0	

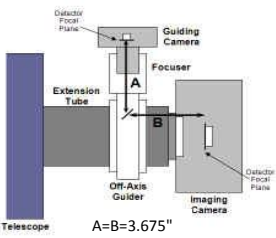


PLANEWAVE INSTRUMENTS
CDK17 SPACERS FOR STX CAMERAS

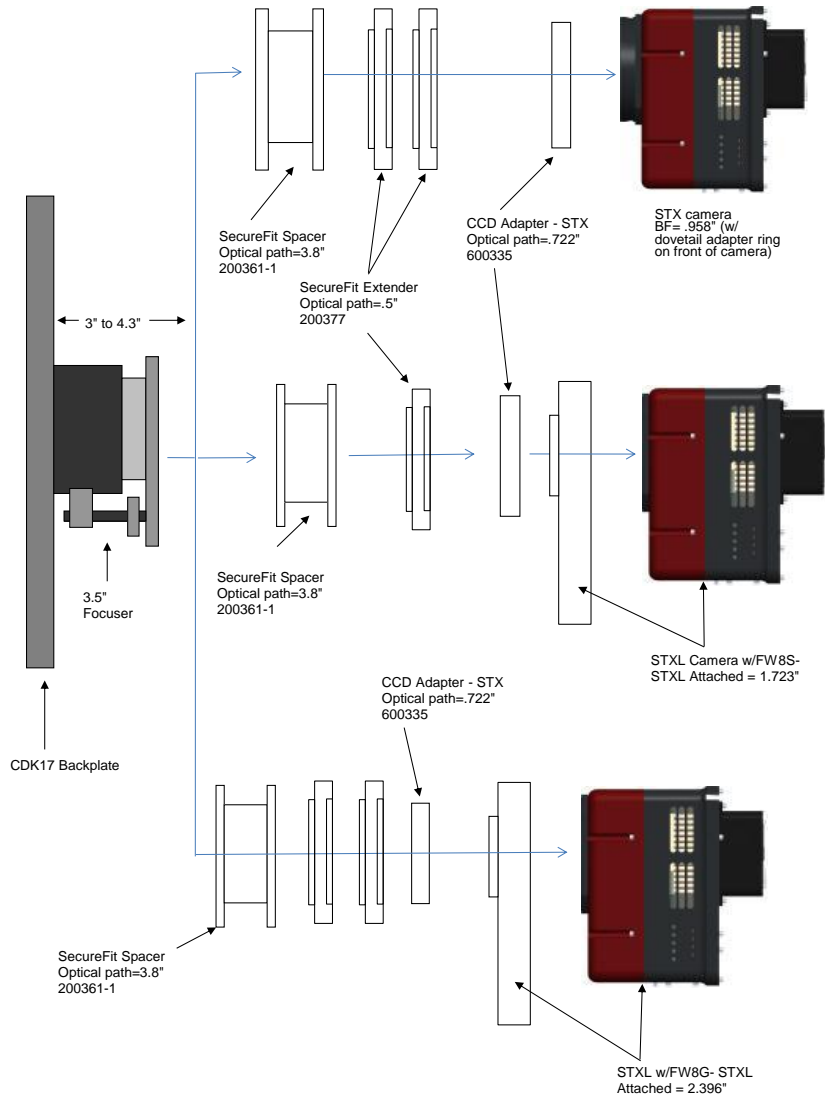


STX camera, AO-X, CFW	10.24 remaining BF	
Focuser racked in	3	7.24
Focuser position (0-1.3")	0.188	7.052
SecureFit adapter (200361-2)	2.1	4.952
CCD SecureFit to STL - 600335	0.722	4.23
AO-X (w/ threaded adapter attached)	1.38	2.85
AO-X to FW adapter (SBIG)	0.2	2.65
SBIG Filter Wheel (w/.2" adapter)	1.26	1.39
STX Back Focus	1.39	0

STX camera and MMOAG	10.24 remaining BF	
Focuser racked in	3	7.24
Focuser position (0-1.3")	0.41	6.83
Low profile adapters- 600327/328	0.5	6.33
SecureFit to 3"-24 male (FLI and SBIG) - 200395-3	0.25	6.08
SBIG Flat Adapter (3"-24 female) - 600337	0.2	5.88
AO-X	1.18	4.7
SBIG Flat Adapter (3"-24 female) - 600338	0.2	4.5
MOAG-CWF-A	0.2	4.3
AstroDon part - MMOAG	1.25	3.05
MOAG-CWF-A	0.2	2.85
SBIG Flat Adapter (3"-24 female) - 600337	0.2	2.65
Filter Wheel, FW8	1.26	1.39
STX Back Focus	1.39	0



PLANEWAVE INSTRUMENTS
CDK17 SPACERS FOR STXL CAMERAS



STXL		10.24 remaining BF
Focuser (200340) racked in	3	7.24
Focuser position (0-1.3")	0.76	6.48
CCD Spacer 3.5" - 200361-1	3.8	2.68
CCD SecureFit Extender - 200377	0.5	2.18
CCD SecureFit Extender - 200377	0.5	1.68
CCD Adapter STX - 600335	0.722	0.958
STXL Back Focus w/threaded adapter ring attached	0.958	0

STXL & IRF90		10.24 remaining BF
IRF90 - 600180	3.5	6.74
Focuser position (0-1.3")	0.26	6.48
CCD Spacer 3.5" - 200361-1	3.8	2.68
CCD SecureFit Extender - 200377	0.5	2.18
CCD SecureFit Extender - 200377	0.5	1.68
CCD Adapter STX - 600335	0.722	0.958
STXL Back Focus w/threaded adapter ring attached	0.958	0

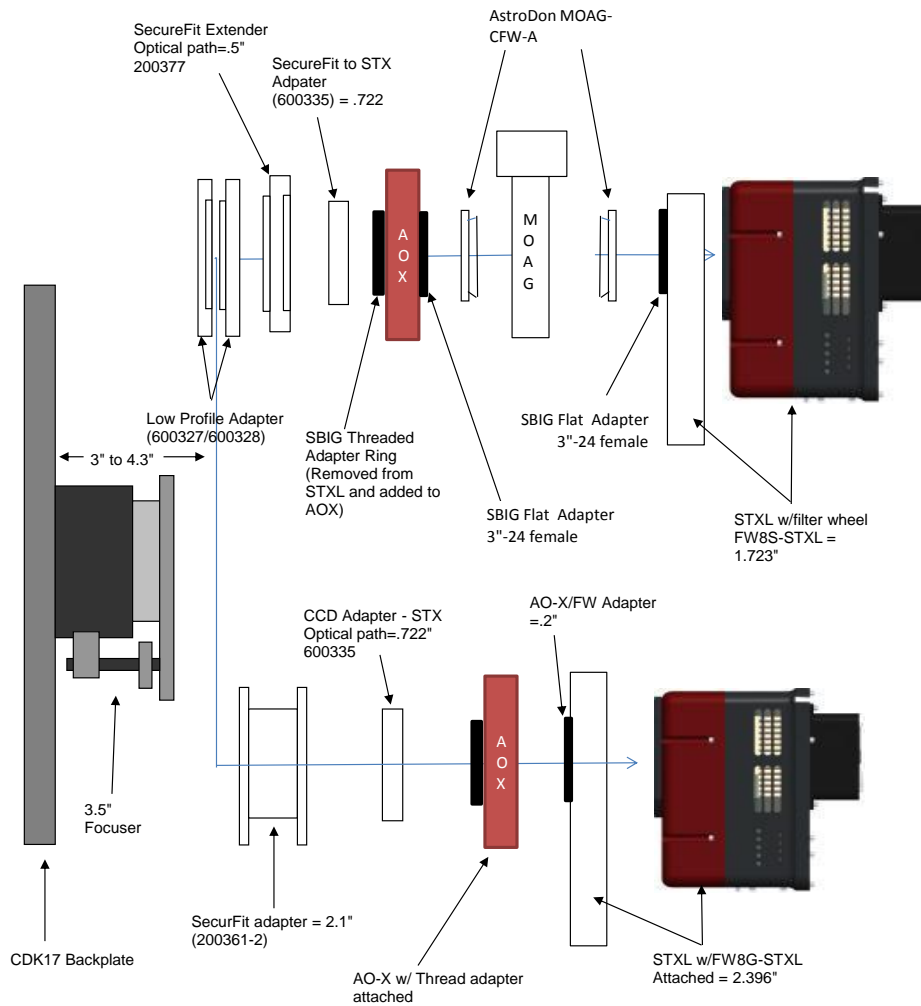
STXL w/ Standard FW		10.24 remaining BF
Focuser (200340) racked in	3	7.24
Focuser position (0-1.3")	0.495	6.745
SecureFit CCD Spacer - 200361-1	3.8	2.945
SecureFit Extender - 200377	0.5	2.445
CCD Adapter STX - 600335	0.722	1.723
STXL Camera w/FW8S-STXL Attached	1.723	0

STXL w/ Standard FW & IRF90		10.24 remaining BF
Focuser (600180) racked in	3.5	6.74
Focuser position (0-1.3")	0.495	6.245
SecureFit CCD Spacer - 200361-1	3.8	2.445
CCD Adapter STX - 600335	0.722	1.723
STXL Camera w/FW8S-STXL Attached	1.723	0

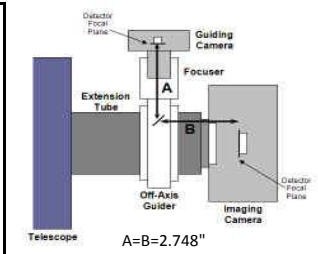
STXL w/ Self Guiding FW		10.24 remaining BF
Focuser (200340) racked in	3	7.24
Focuser position (0-1.3")	0.322	6.918
SecureFit CCD Spacer - 200361-1	3.8	3.118
CCD Adapter STX - 600335	0.722	2.396
STXL w/FW8G-STXL Attached	2.396	0

STXL w/ Self Guiding FW & IRF90		10.24 remaining BF
Focuser (600180) racked in	3.5	6.74
Focuser position (0-1.3")	0.522	6.218
SecureFit CCD Spacer - 200361-2	2.1	4.118
SecureFit Extender - 200377	0.5	3.618
SecureFit Extender - 200377	0.5	3.118
CCD Adapter STX - 600335	0.722	2.396
STXL w/FW8G-STXL Attached	2.396	0

PLANEWAVE INSTRUMENTS
CDK17 SPACERS FOR STXL CAMERAS

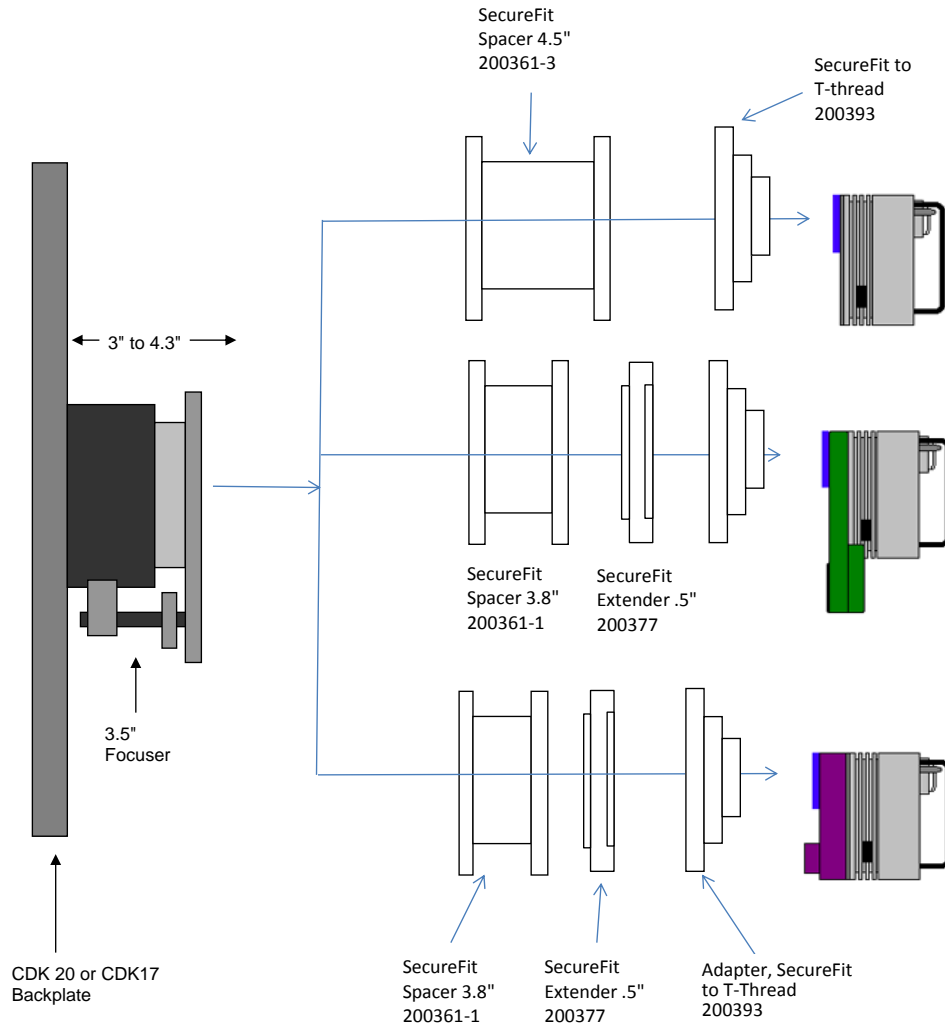


STXL camera w standard FW and MMOAG	10.24	remaining BF
Focuser racked in	3	7.24
Focuser position (0-1.3")	0.565	6.675
Low profile adapters- 600327/600328	0.5	6.175
SecureFit Extender - 200377	0.5	5.675
CCD Adapter STX - 600335	0.722	4.953
AO-X	1.18	3.773
SBIG Flat Adapter (3"-24 female) - 600338	0.2	3.573
AstroDon MOAG-CFW-A	0.2	3.373
AstroDon - MMOAG	1.25	2.123
AstroDon MOAG-CFW-A	0.2	1.923
SBIG Flat Adapter (3"-24 female) - 600337	0.2	1.723
STXL w/filter wheel FW8S-STXL	1.723	0



STXL w/ Self Guiding FW	10.24	remaining BF
Focuser racked in	3	7.24
Focuser position (0-1.3")	0.442	6.798
SecureFit CCD Spacer - 200361-2	2.1	4.698
CCD Adapter STX - 600335	0.722	3.976
AO-X (w/ threaded adapter attached)	1.38	2.596
AO-X to FW adapter (SBIG)	0.2	2.396
STXL w/FW8G-STXL Attached	2.396	0

PLANEWAVE INSTRUMENTS
CDK17 SECUREFIT CCD SPACERS FOR ST CAMERAS



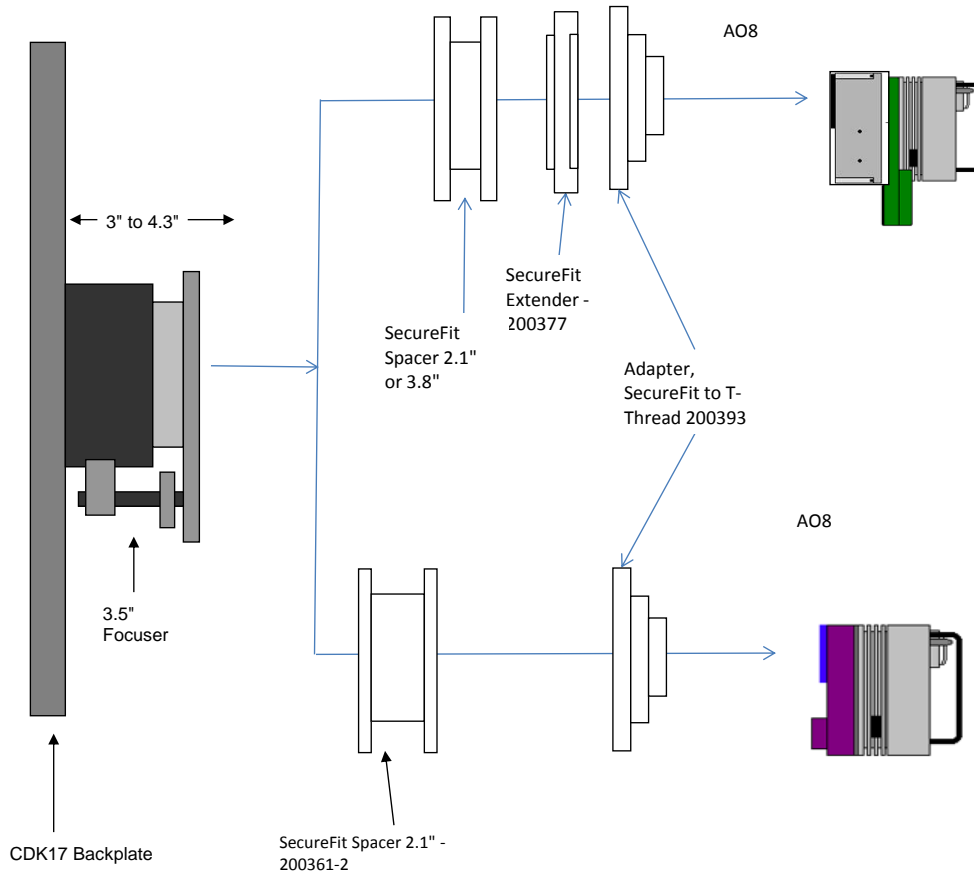
SecureFit w/ ST		10.24 remaining BF
Focuser racked in	3	7.24
Focuser Position (0 - 1.3")	0.678	6.562
SecureFit 4.5 - 200361-3	4.5	2.062
CCD SecureFit Extender - 200377	0.5	1.562
Adapter, SecureFit to T thread - 200393	0.55	1.012
ST Back Focus (with D-block)	1.012	0

SecureFit with ST and CFW10		10.24 remaining BF
Focuser racked in	3	7.24
Focuser Position (0 - 1.3")	0.798	6.442
SecureFit Spacer 3.8- 200361-1	3.8	2.642
SecureFit Extender - 200377	0.5	2.142
Adapter, SecureFit to T thread - 200393	0.55	1.592
ST w/ CFW10 Back Focus (with D-block)	1.592	0

SecureFit with ST and CFW10SA		10.24 remaining BF
Focuser racked in	3	7.24
Focuser Position (0 - 1.3")	0.58	6.66
SecureFit Spacer 3.8 - 200361-1	3.8	2.86
SecureFit Extender - 200377	0.5	2.36
Adapter, SecureFit to T thread - 200393	0.55	1.81
ST w/ CFW10 Back Focus, (w/ D-block)	1.81	0

SecureFit with ST and CFW8		10.24 remaining BF
Focuser racked in	3	7.24
Focuser Position (0 - 1.3")	0.378	6.862
SecureFit Spacer 3.8 - 200361-1	3.8	3.062
SecureFit Extender - 200377	0.5	2.562
Adapter, SecureFit to T thread - 200393	0.55	2.012
ST w/ CFW8 Back Focus, (w/ D-block)	2.012	0

PLANEWAVE INSTRUMENTS
CDK17 SECUREFIT CCD SPACERS FOR ST CAMERAS

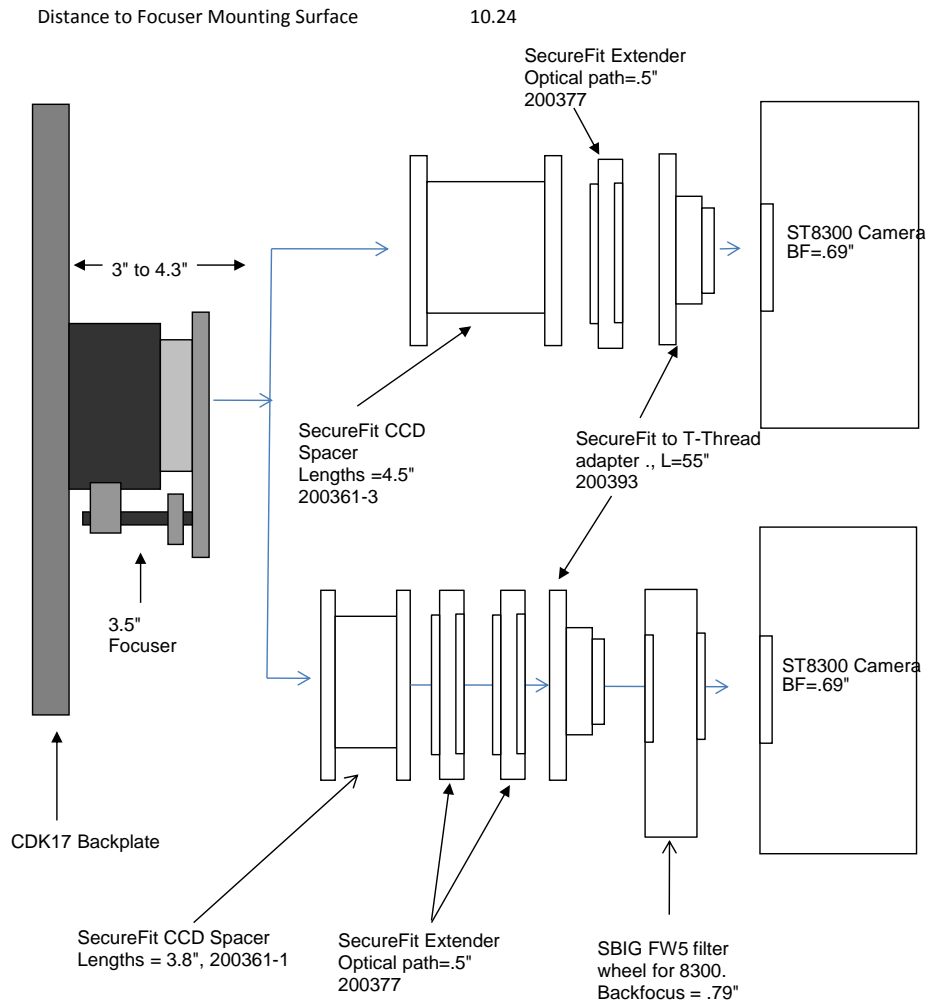


SecureFit with ST, CFW10, & AO-8		10.24 remaining BF
Focuser racked in	3	7.24
Focuser Position (0 - 1.3")	0.598	6.642
SecureFit Spacer 2.1 - 200361-2	2.1	4.542
SecureFit Extender - 200377	0.5	4.042
Adapter, SecureFit to T thread - 200393	0.55	3.492
AO-8, 1.9" of backfocus + .27 for D-block	2.17	1.322
ST w/ CFW10 Back Focus (w/o D-block)	1.322	0

SecureFit with ST and CFW10SA		10.24 remaining BF
Focuser racked in	3	7.24
Focuser Position (0 - 1.3")	0.58	6.66
SecureFit Spacer 3.8 - 200361-1	3.8	2.86
SecureFit Extender - 200377	0.5	2.36
Adapter, SecureFit to T thread - 200393	0.55	1.81
ST w/ CFW10 Back Focus, (w/ D-block)	1.81	0

SecureFit with ST, CFW8, & AO-8		10.24 remaining BF
Focuser racked in	3	7.24
Focuser Position (0 - 1.3")	0.408	6.832
SecureFit Spacer 2.1 - 200361-2	2.1	4.732
Adapter, SecureFit to T thread - 200393	0.55	4.182
AO-8, 1.9" of backfocus + .27 for D-block	2.17	2.012
ST w/ CFW8 Back Focus, (w/ D-block)	2.012	0

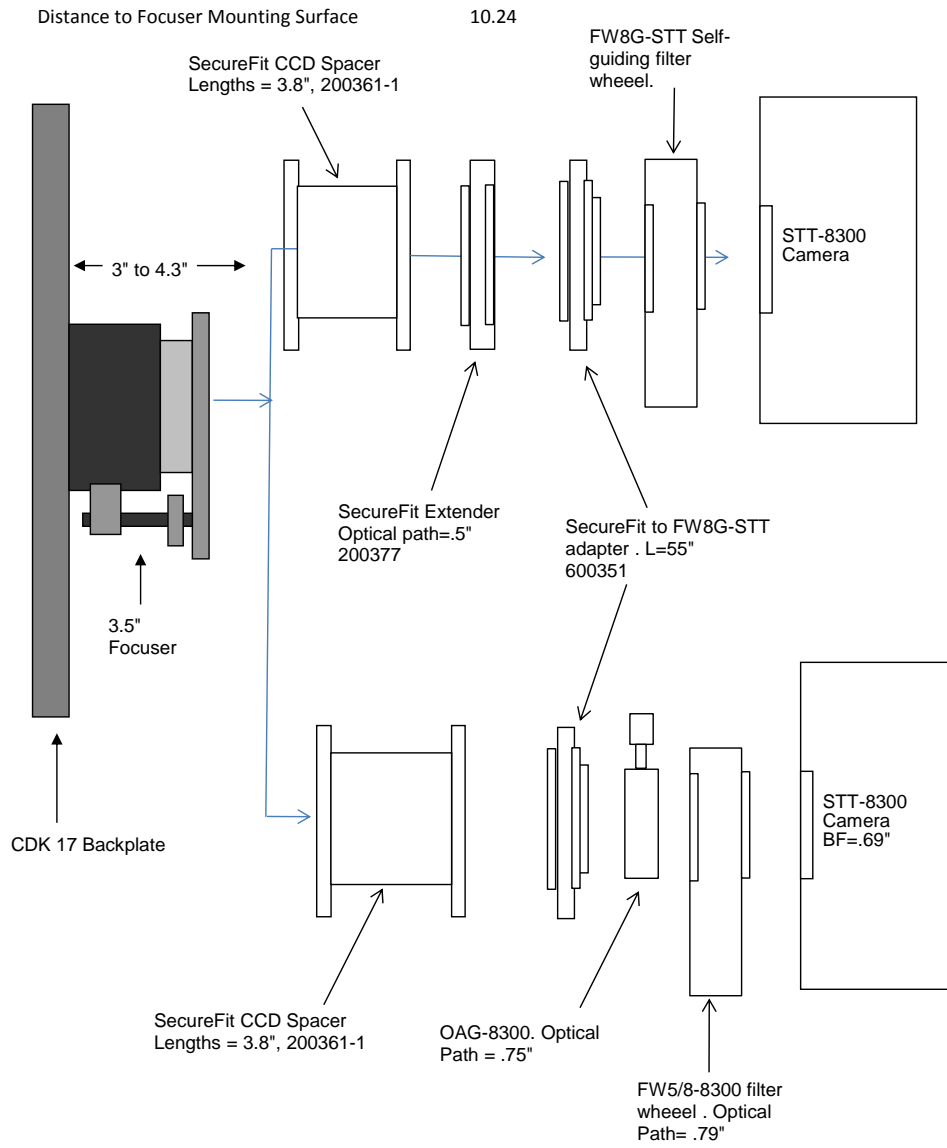
PLANEWAVE INSTRUMENTS
CDK17 SECUREFIT SPACERS FOR ST8300 CAMERAS



ST8300 Camera Alone		10.24 remaining BF
Focuser racked in	3	7.24
Focuser position (0-1.3")	1	6.24
CCD Spacer 4.5- 200361-3	4.5	1.74
CCD SecureFit Extender - 200377	0.5	1.24
SecureFit to T-Thread - 200393	0.55	0.69
SLT Back Focus	0.69	0

ST8300 Camera FW8 or FW5 for 8300		10.24 remaining BF
Focuser racked in	3	7.24
Focuser position (0-1.3")	0.41	6.83
CCD Spacer 3.8 - 200361-1	3.8	3.03
CCD SecureFit Extender - 200377	0.5	2.53
CCD SecureFit Extender - 200377	0.5	2.03
SecureFit to T-Thread - 200393	0.55	1.48
FW5 or 8 for 8300, Back Focus = .79"	0.79	0.69
SLT Back Focus	0.69	0

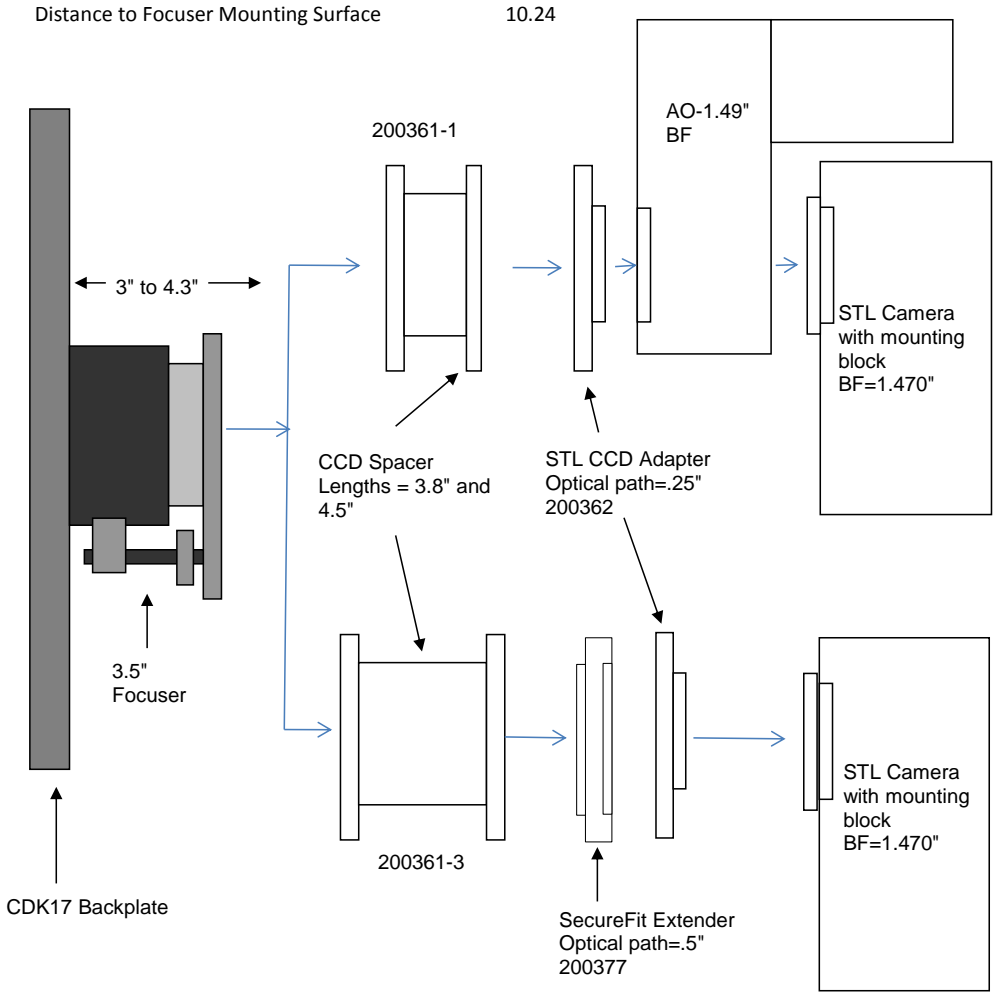
PLANEWAVE INSTRUMENTS
CDK17 SECUREFIT SPACERS FOR STT CAMERAS



STT8300 Camera w/ Self Guiding Filter Wheel	10.24	remaining BF
Focuser racked in	3	7.24
Focuser position (0-1.3")	0.262	6.978
SecureFit Spacer 3.8- 200361-1	3.8	3.178
CCD SecureFit Extender - 200377	0.5	2.678
SecureFit to FW8G-STT - 600351	0.55	2.128
FW8G-SST attached to STT-8300 Camera	2.128	0

STT8300 Camera w/Filter Wheel, OAG8300	10.24	remaining BF
Focuser racked in	3	7.24
Focuser position (0-1.3")	0.64	6.6
SecureFit Spacer 3.8- 200361-1	3.8	2.8
SecureFit to FW8G-STT - 600351	0.55	2.25
OAG-8300	0.75	1.5
STT-8300 w/ FW5-8300 attached	1.5	0

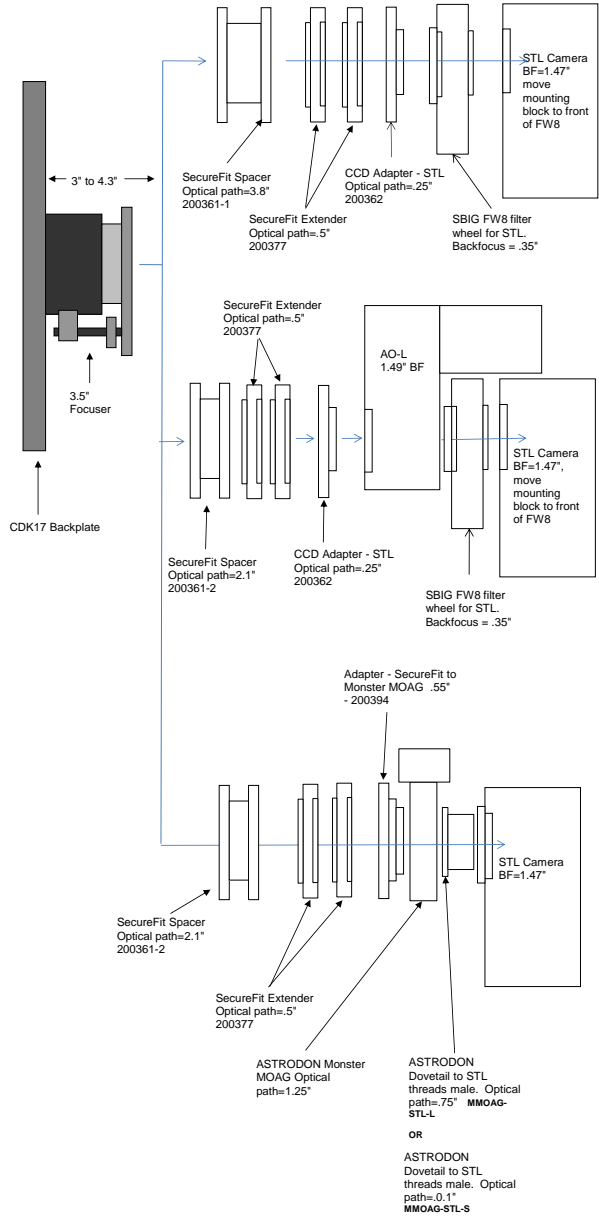
PLANEWAVE INSTRUMENTS
CDK17 SECUREFIT SPACERS FOR STL CAMERAS



STL and AO-L		10.24 remaining BF
Focuser racked in	3	7.24
Focuser position (0-1.3")	0.23	7.01
CCD Spacer 3.8 - 200361-1	3.8	3.21
CCD Adapter STL - 200362	0.25	2.96
AO-L	1.49	1.47
STL Back Focus	1.47	0

STL Camera Alone		10.24 remaining BF
Focuser racked in	3	7.24
Focuser position (0-1.3")	0.52	6.72
CCD Spacer 4.5" - 200361-3	4.5	2.22
CCD SecureFit Extender - 200377	0.5	1.72
CCD Adapter STL - 200362	0.25	1.47
SLT Back Focus	1.47	0

PLANEWAVE INSTRUMENTS
CDK 17 SPACERS FOR STL CAMERAS



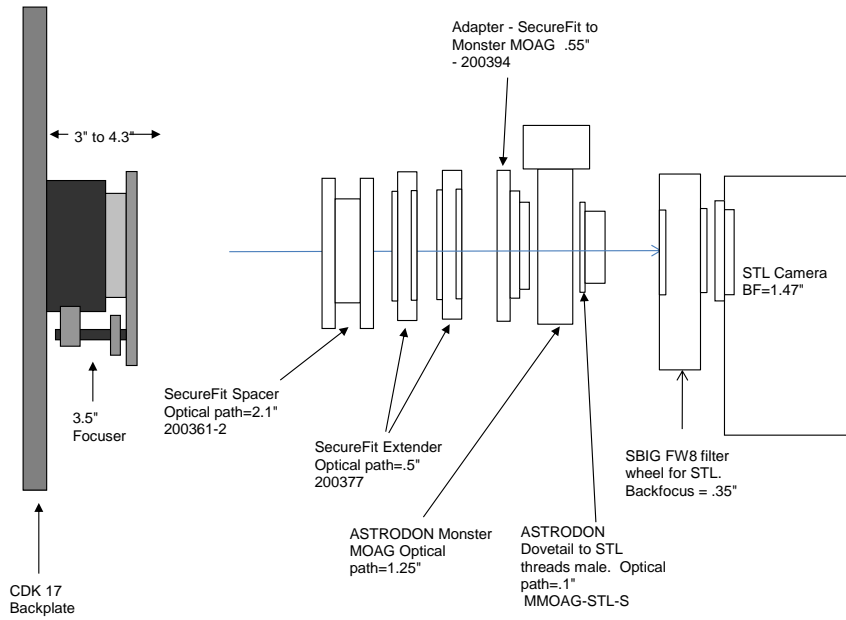
STL w/ FW8	10.24	remaining BF
Focuser racked in	3	7.24
Focuser position (0-1.3")	0.37	6.87
CCD Spacer 3.8" - 200361-1	3.8	3.07
CCD SecureFit Extender - 200377	0.5	2.57
CCD SecureFit Extender - 200377	0.5	2.07
CCD Adapter STL - 200362	0.25	1.82
FW8	0.35	1.47
SLT Back Focus	1.47	0

STL w/ FW8 and AO-L	10.24	remaining BF
Focuser racked in	3	7.24
Focuser position (0-1.3")	0.58	6.66
CCD Spacer 2.1 - 200361-2	2.1	4.56
CCD SecureFit Extender - 200377	0.5	4.06
CCD SecureFit Extender - 200377	0.5	3.56
CCD Adapter STL - 200362	0.25	3.31
AO-L	1.49	1.82
FW8	0.35	1.47
SLT Back Focus	1.47	0

STL camera and MMOAG	10.24	remaining BF
Focuser racked in	3	7.24
Focuser position (0-1.3")	0.62	6.62
CCD Spacer 2.1 - 200361-2	2.1	4.52
SecureFit 1/2" Spacer - 200377	0.5	4.02
CCD SecureFit to MMOAG - 200394	0.55	3.47
Monster MOAG	1.25	2.22
MMOAG-STL-L	0.75	1.47
SLT Back Focus	1.47	0

STL camera and MMOAG	10.24	remaining BF
Focuser racked in	3	7.24
Focuser position (0-1.3")	0.77	6.47
CCD Spacer 2.1 - 200361-2	2.1	4.37
SecureFit 1/2" Spacer - 200377	0.5	3.87
SecureFit 1/2" Spacer - 200377	0.5	3.37
CCD SecureFit to MMOAG - 200394	0.55	2.82
AstroDon part - MMOAG	1.25	1.57
AstroDon part - MMOAG-STL-S	0.1	1.47
SLT Back Focus	1.47	0

PLANEWAVE INSTRUMENTS
CDK 17 SPACERS FOR STL CAMERAS



STL camera and MMOAG		10.24 remaining BF
Focuser racked in	3	7.24
Focuser position (0-1.3")	0.42	6.82
CCD Spacer 2.1 - 200361-2	2.1	4.72
SecureFit 1/2" Spacer - 200377	0.5	4.22
SecureFit 1/2" Spacer - 200377	0.5	3.72
CCD SecureFit to MMOAG - 200394	0.55	3.17
AstroDon part - MMOAG	1.25	1.92
AstroDon part - MMOAG-STL-S	0.1	1.82
Filter Wheel, FW8	0.35	1.47
SLT Back Focus	1.47	0

STL camera and MMOAG, IRF90		10.24 remaining BF
IRF 90 Focuser (600180)	3.5	6.74
Focuser position (0-1.3")	0.42	6.32
CCD Spacer 2.1 - 200361-2	2.1	4.22
SecureFit 1/2" Spacer - 200377	0.5	3.72
CCD SecureFit to MMOAG - 200394	0.55	3.17
AstroDon part - MMOAG	1.25	1.92
AstroDon part - MMOAG-STL-S	0.1	1.82
Filter Wheel, FW8	0.35	1.47
SLT Back Focus	1.47	0

