

Min Gray (for whole stack) = 566
 Max Gray (for whole stack) = 1592

ZSER8.STK

Image Parameter	Value	
Width	160	
Height	128	
Depth	8 bits per pixel	
Number of Planes	11	
Stage Label	<none> for all planes	
Stage Position	(0, 0) for all planes	
Camera Offset	(320, 256) for all planes	
Wavelength	490 for all planes	
Z Distance	2.5 microns (25/10) for all planes	
Z Position	Plane	Z Position
	1	125.0
	2	127.5
	3	130.0
	4	132.5
	5	135.0
	6	137.5
	7	140.0
	8	142.5
	9	145.0
	10	147.5
11	150.0	
Annotation	Acquired from MV-1500 Exposure: 2 ms Region: 640 x 512, offset at (320, 256) Binning: 4 x 4 Gain: 1 Bit Depth: 12	

(Note: the Annotation actually is incorrect here because the stack was converted to 8 bits after the acquisition was completed. So it is really Bit Depth 8).

Min Gray (for whole stack) = 0
 Max Gray (for whole stack) = 255

ZSER16.STK

Image Parameter	Value
Width	160

Height	128		
Depth	16 bits per pixel		
Number of Planes	11		
Stage Label	<none> for all planes		
Stage Position	(0, 0) for all planes		
Camera Offset	(320, 256) for all planes		
Wavelength	490 for all planes		
Z Distance	2.5 microns (25/10) for all planes		
Z Position	Plane	Z Position	
	1	125.0	
	2	127.5	
	3	130.0	
	4	132.5	
	5	135.0	
	6	137.5	
	7	140.0	
	8	142.5	
	9	145.0	
	10	147.5	
	11	150.0	
Annotation	Acquired from MV-1500 Exposure: 2 ms Region: 640 x 512, offset at (320, 256) Binning: 4 x 4 Gain: 1 Bit Depth: 12		

Min Gray (for whole stack) = 602

Max Gray (for whole stack) = 1397

ZSER24.STK

Image Parameter	Value
Width	160
Height	128
Depth	24 bits per pixel
Number of Planes	11
Stage Label	<none> for all planes
Stage Position	(0, 0) for all planes
Camera Offset	(320, 256) for all planes
Wavelength	510 for all planes

Z Distance	2.5 microns (25/10) for all planes		
Z Position	Plane	Z Position	
	1	125.0	
	2	127.5	
	3	130.0	
	4	132.5	
	5	135.0	
	6	137.5	
	7	140.0	
	8	142.5	
	9	145.0	
	10	147.5	
	11	150.0	
Annotation	<none>		

(Stack is simply a red-green combination of two z series. Blue channel is all zeros).

DIATOMS3D.STK

Image Parameter	Value	
Width	196	
Height	191	
Depth	8 bits per pixel	
Number of Planes	10	
Stage Label	<none> for all planes	
Stage Position	(0, 0) for all planes	
Camera Offset	(206, 148) for all planes	
Wavelength	440 for all planes	
Z Distance	3.54545 microns for all planes	
Z Position	Plane	Z Position
	1	12866.2
	2	12869.8
	3	12873.3
	4	12876.8
	5	12880.4
	6	12884
	7	12887.5
	8	12891
	9	12894.6
	10	12898.2
Annotation	Acquired from Flashbus. No averaging.Illumination:	

	Trans Multi Dimensional Experiment
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The spatial calibration for the DIATOMS3D Stack and the 10XCALIB Tiff are:

X: 1.25627 um/pixel

Y: 1.25627 um/pixel