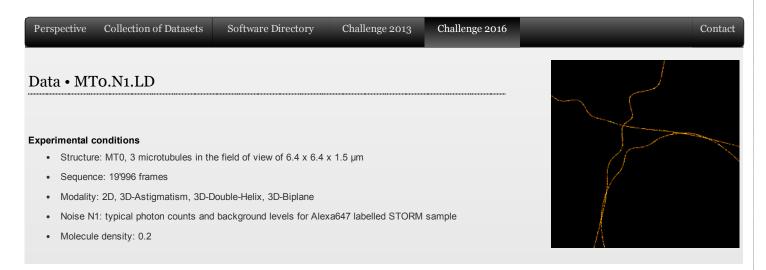




Single-Molecule Localization Microscopy • Software Benchmarking



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Туре	Modality	Link to Download	Format	Size
Sequence	2D	MT0.N1.LD-2D-Exp-as-list	ZIP, n TIFF images	121 Mb
Sequence	2D	MT0.N1.LD-2D-Exp-as-stack	ZIP, 1 TIFF stack of n images	115 Mb
Sequence	3D-Astigmatism	MT0.N1.LD-AS-Exp-as-list	ZIP, n TIFF images	121 Mb
Sequence	3D-Astigmatism	MT0.N1.LD-AS-Exp-as-stack	ZIP, 1 TIFF stack of n images	115 Mb
Sequence	3D-Biplane (1 plane)	MT0.N1.LD-BP+250-as-list	ZIP, n TIFF images	121 Mb
Sequence	3D-Biplane (1 plane)	MT0.N1.LD-BP+250-as-stack	ZIP, 1 TIFF stack of n images	114 Mb
Sequence	3D-Biplane (1 plane)	MT0.N1.LD-BP-250-as-list	ZIP, n TIFF images	121 Mb
Sequence	3D-Biplane (1 plane)	MT0.N1.LD-BP-250-as-stack	ZIP, 1 TIFF stack of n images	114 Mb
Sequence	3D-Biplane	MT0.N1.LD-BP-Exp-as-list	ZIP, n TIFF images	235 Mb
Sequence	3D-Biplane	MT0.N1.LD-BP-Exp-as-stack	ZIP, 1 TIFF stack of n images	229 Mb
Sequence	3D-Double-Helix	MT0.N1.LD-DH-Exp-as-list	ZIP, n TIFF images	122 Mb
Sequence	3D-Double-Helix	MT0.N1.LD-DH-Exp-as-stack	ZIP, 1 TIFF stack of n images	116 Mb

Parameters

Camera					
Photon converter factor or Quantum efficiency (QE)	0.90	e ⁻ /Ph.			
Resolution	64	pixels			
Pixelsize	100.00	nm			
Field of view	6400.00	nm			
Optics					
Wavelength	660.00	nm			
Numerical aperture (NA)					
Autofluorescence					

	J			
Poisson Distribution				
Camera Noise				
Read-out: Gaussian distribution	74.4			
EMGain: Gamma	300.0			
Spurious noise: Poisson distribution	0.0020			
Analog Digital Conversion				
Total gain: QE*EM_gain/e_per_ADU	6.00			
Electron conversion e⁻ per ADU	45.00	e ⁻ /DN		
Baseline	100.00	DN		
Saturation	65535.00	DN		
Quantization	16-bit			
Computational Parameters				
Thickness	1500.00	nm		
Frames	20000			
Multithreading	Off-1 Thread			
Pixelsize to PSF convolution	10.0	nm		
Pixelsize for autofluorescence	100.0	nm		
Pixelsize of the camera	100.0	nm		
File format	TIFF 16-bits			

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