editsetting.ini

Setting	Description
[Version]	**CDF Header**
sLab = bouma	Data lab origin
sVersion = bouma_unknown	Version of data (metadata namely, .xml, .dat, .ini, etc.)
sState = struct+angio+ps	Processing state (N/A 2021/01/07) *See End
[CplxTomSetting]	**CDF Header**
nSamples = 1688	Number of samples acquired per a-line
nLines = 2048	Number of lines in the struct dataset
nFrames = 28	Number of b-scans/frames
nZscans = 2048	Number of z points in the output
nZoomLevel = 2	Post-processing zoom level
nZoomLevelRT = 2	Real-time zoom level
nIndexLow = 0	Cropping index low (for projections and hsv output)
nIndexHigh = 0	Cropping index high (for projections and hsv output)
nFrameInterval = 1	Process every X frames, this interval
bFlipaline = 1	Flip Aline at after tomogram reconstruction
sMappingfilename =	Mapping filename (N/A 2021/01/07)
sDispersionfilename =	Dispersion filename (N/A 2021/01/07)
sConfigfilename =	Config filename (N/A 2021/01/07)
sScanpatternfilename =	Scan pattern filename (N/A 2021/01/07)
afDemodulation = 0.5,0,1,0,0,0,	Demodulation ratio
fClockRateMHz = 85	Clock rate of the acquisition card
[StructTomSetting]	**CDF Header**
fReflow = -40	Lower limit of log struct frame before uint8
fRefhigh = 130	Upper limit of log struct frame before uint8
bInvertgray = 0	Invert angio greyscale
[AngioTomSetting]	**CDF Header**
fReflow = -40	Lower limit of log weight frame before uint8
fRefhigh = 130	Upper limit of log weight frame before uint8
bInvertgray = 0	Invert angio greyscale
[PsTomSetting]	**CDF Header**
nMaxRet = 100	Maximum retardance, used to normalization over image volumes
nBinFract = 3	Fraction of spectrum for spectral bin (3=5bins,4=9bins etc.)
nZOffset = 10	Delta Z for local birefringence
fZResolution = 5	Resolution of system in Z

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nXFilter = 11	Across Aline (X) filter
nZFilter = 1	Along Aline (Z) filter
nOopFilter = 1	Out of plane frames to average (if OOP option is True)
fDopThresh = 0.7	dop threshold for PS contrast
nThetaOffset = 0	Theta offset (N/A 2021/01/07)
[HSVSetting]	**CDF Header**
nThetaRef = 0	Theta offset (rotates colormap)
bHueCCW = 0	(N/A 2021/01/07)
fOpacity = 0.01	Opacity of HSV projection
nHsvCropLow = 0	(N/A 2021/01/07) -> Use [CplxTomSetting] nIndexLow/
nHsvCropHigh = 0	(N/A 2021/01/07) -> Use [CplxTomSetting] nIndexHigh
nDopWeightLow = 20	Contrast weight from dop
nDopWeightHigh = 130	Contrast weight from dop
nStructWeightLow = 30	Contrast weight from struct
nStructWeightHigh = 100	Contrast weight from struct
nRetWeightLow = 10	Contrast weight from ret
nRetWeightHigh = 100	Contrast weight from ret
nMaskThresholdsDOP = 30	Lower threshold for dop Mask
nMaskThresholdsRet = 30	Lower threshold for ret Mask
nMaskThresholdsStruct = 30	Lower threshold for struct Mask
[ProcOptions]	**CDF Header**
bOOPAveraging = 0	Perform out of plane averaging
bFastProcessing = 0	Perform fast downsampling for bi-seg scans
bSpectralBinning = 1	Perform spectral binning in PS reconstruction
bCorrectSystemOA = 0	Correct the system's optic axis, create "symmetric" conditions
bCorrectSystemDiat = 0	Correct system diattenuation (N/A 2021/01/07)
nNFramesOACorr = 10	Number of equally spaced frames within volume to do correction **Input can be integer or a list: ie. 110,121,133,150
bComputeBackground = 0	Compute median based background from dataset
nNFramesBGCorr = 10	Number of equally spaced frames within volume to do correction **Input can be integer or a list: ie. 110,121,133,150
bRotCartesianOutput = 0	Output circular image volumes for endoscopy (N/A 2021/01/07)
bMaskOutput = 0	Mask ps output using dop/struct/ret
bGenerateProjections = 0	Generate projections
sProjState ='struct+angio'	Frame types to be projected
sProjType = 'max+mean+std+sum'	Type of projection to be performed

*sState options include: 'tomo+kspace+stokes+struct+angio+ps+hsv+oa+'
____ Signifies datatypes that are *processed but not written* , including these states in the string will cause the processer to write them to the Processed directory.