normalized   
pixel value

R-G-B value

255

0

1

black point

white point

everything above white point  
gives 255

everything below black point  
gives 0

R-G-B value

255

0

1

0.2

0.4

0.6

0.8

66

100

166

255

/// <summary>

/// Gets the xy spacing - the distance between pixel in micro-meters.

/// </summary>

/// <returns>The distance between pixels in x- and y-direction in micro-meters.</returns>

public Tuple<double,double> GetXYSpacing()

{

DistanceUnitItem unitItemX = null;

DistanceUnitItem unitItemY = null;

double xSpacing, ySpacing;

xSpacing = ySpacing = double.NaN;

if (this.metaDataInfo.Document.Metadata.HasScaling == true)

{

Scaling scaling = this.metaDataInfo.Document.Metadata.Scaling;

unitItemX = scaling[ImageDimension.X] as DistanceUnitItem;

unitItemY = scaling[ImageDimension.Y] as DistanceUnitItem;

if (unitItemX != null)

{

xSpacing = unitItemX.TotalMicrometers;

}

if (unitItemY != null)

{

ySpacing = unitItemY.TotalMicrometers;

}

}

return new Tuple<double, double>(xSpacing, ySpacing);

}

Subblock 1

Subblock 2

Subblock 3

Subblock 4

x

y

bounding box

Subblock 1

Subblock 2

Subblock 3

Subblock 4

Z=0

Subblock   
5

Subblock 7

Subblock 8

Subblock   
6

Z=1

Subblock 9

Subblock 11

Subblock 12

Subblock 10

Z=2

Subblock   
13

Subblock 15

Subblock   
14

Z=3

Subblock   
S=0

Subblock S=0

Subblock   
S=0

Subblock   
S=0

Subblock   
S=1

Subblock S=1

Subblock   
S=1

Subblock   
S=1

bounding box (of document)

scene 1 (=bounding box of all sub-blocks with S=1)

scene 0 (=bounding box of all sub-blocks with S=0)