Extended Block Model Metadata

When submitting files for a new Block Model raw dataset (file_type RAWBM), the system expects an additional file named:

- **process.meta**

This is a text file in INI format that contains additional information on how the block model dataset must be constructed out of the accompanying files.

The file must contain a single section, named [Configuration]

Column_Count	Specifies how may attribute columns will be read from the block model.
Column<N>_ID	Specifies the name for the attribute as listed in the block model headers. The <N> placeholder is replaced by the attribute index, which is zero-based.
Column<N>_Class	Specifies the class for the attribute. The <N> placeholder is replaced by the attribute index, which is zero-based. The possible values are: XL – X coordinate of the block's origin XC – X coordinate of the block's centroid XR – X coordinate of the block's end XS – Block's dimension along the X axis YL – Y coordinate of the block's origin YC – Y coordinate of the block's centroid YR – Y coordinate of the block's end YS – Block's dimension along the Y axis ZL – Z coordinate of the block's origin ZC – Z coordinate of the block's centroid ZR – Z coordinate of the block's end ZS – Block's dimension along the Z axis Value – The values in this column will be interpreted as numbers. This setting should be used for grades and any other numeric quantity. Enum – The values in this column belong to a set with a limited number of elements that appear many times over in the block model.

Column<N>_Aggregator	Specifies the aggregator for the attribute. The <N> placeholder is replaced by the attribute index, which is zero-based. The possible values are: AVG – Average the values. WAVG - Performs weighted average. SUM – Will add values. MIN – Preserve the smallest absolute values MAX – Preserve the largest absolute values MINORITY – Will preserve the least occurring value MAJORITY – Will preserve the most occurring value MULTIPLY – Will multiply values
Column<N>_DefaultValue	Specifies the default value for the attribute. The <N> placeholder is replaced by the attribute index, which is zero-based.
Column<N>_Unit	Specifies the unit of measure for the attribute. The <N> placeholder is replaced by the attribute index, which is zero-based.
Column<N>_Label	Specifies a readable label for the attribute name. The <N> placeholder is replaced by the attribute index, which is zero-based.

Example process.meta file:

[Configuration]

Column_Count=35

Column0_ID=xlength

Column0_Class=XS

Column0_Aggregator=Avg

Column0_DefaultValue=0

Column1_ID=xworld

Column1_Class=XC

Column1_Aggregator=Avg

Column1_DefaultValue=0

Column2_ID=ylength

Column2_Class=YS

Column2_Aggregator=Avg

Column2_DefaultValue=0

Column3_ID=yworld

Column3_Class=YC

Column3_Aggregator=Avg

Column3_DefaultValue=0

Column4_ID=zlength

Column4_Class=ZS

Column4_Aggregator=Avg

Column4_DefaultValue=0

Column5_ID=zworld

Column5_Class=ZC

Column5_Aggregator=Avg

Column5_DefaultValue=0

Column6_ID=volume

Column6_Class=Value

Column6_Aggregator=Avg

Column6_DefaultValue=0

Column7_ID=flag_block_count

Column7_Class=Value

Column7_Aggregator=Avg

Column7_DefaultValue=0

Column8_ID=metreg_cyclone_feed_al2o3

Column8_Class=Value

Column8_Aggregator=Avg

Column8_DefaultValue=0

Column9_ID=metreg_cyclone_feed_fe

Column9_Class=Value

Column9_Aggregator=Avg

Column9_DefaultValue=0

Column10_ID=metreg_cyclone_feed_sio2

Column10_Class=Value

Column10_Aggregator=Avg

Column10_DefaultValue=0

Column11_ID=metreg_cyclone_feed_tonnes

Column11_Class=Value

Column11_Aggregator=Avg

Column11_DefaultValue=0

Column12_ID=mine_fines_al2o3

Column12_Class=Value

Column12_Aggregator=Avg

Column12_DefaultValue=0

Column13_ID=mine_fines_fe

Column13_Class=Value

Column13_Aggregator=Avg

Column13_DefaultValue=0

Column14_ID=mine_fines_sio2

Column14_Class=Value

Column14_Aggregator=Avg

Column14_DefaultValue=0

Column15_ID=mine_fines_tonnes

Column15_Class=Value

Column15_Aggregator=Avg

Column15_DefaultValue=0

Column16_ID=mine_lump_al2o3

Column16_Class=Value

Column16_Aggregator=Avg

Column16_DefaultValue=0

Column17_ID=mine_lump_fe

Column17_Class=Value

Column17_Aggregator=Avg

Column17_DefaultValue=0

Column18_ID=mine_lump_sio2

Column18_Class=Value

Column18_Aggregator=Avg

Column18_DefaultValue=0

Column19_ID=mine_lump_tonnes

Column19_Class=Value

Column19_Aggregator=Avg

Column19_DefaultValue=0

Column20_ID=mine_tails_al2o3

Column20_Class=Value

Column20_Aggregator=Avg

Column20_DefaultValue=0

Column21_ID=mine_tails_fe

Column21_Class=Value

Column21_Aggregator=Avg

Column21_DefaultValue=0

Column22_ID=mine_tails_sio2

Column22_Class=Value

Column22_Aggregator=Avg

Column22_DefaultValue=0

Column23_ID=mine_tails_tonnes

Column23_Class=Value

Column23_Aggregator=Avg

Column23_DefaultValue=0

Column24_ID=pit_al2o3

Column24_Class=Value

Column24_Aggregator=Avg

Column24_DefaultValue=0

Column25_ID=pit_density_dry_gp

Column25_Class=Value

Column25_Aggregator=Avg

Column25_DefaultValue=0

Column26_ID=pit_fe

Column26_Class=Value

Column26_Aggregator=Avg

Column26_DefaultValue=0

Column27_ID=pit_sio2

Column27_Class=Value

Column27_Aggregator=Avg

Column27_DefaultValue=0

Column28_ID=pit_tonnes_gp

Column28_Class=Value

Column28_Aggregator=Avg

Column28_DefaultValue=0

Column29_ID=pit_volume

Column29_Class=Value

Column29_Aggregator=Avg

Column29_DefaultValue=0

Column30_ID=flag_water_table_status

Column30_Class=Enum

Column30_Aggregator=Set

Column30_DefaultValue="-"

Column31_ID=geo_domain

Column31_Class=Enum

Column31_Aggregator=Set

Column31_DefaultValue="-"

Column32_ID=id_product

Column32_Class=Enum

Column32_Aggregator=Set

Column32_DefaultValue="-"

Column33_ID=id_product_3

Column33_Class=Enum

Column33_Aggregator=Set

Column33_DefaultValue="-"

Column34_ID=id_product_4

Column34_Class=Enum

Column34_Aggregator=Set

Column34_DefaultValue="-"

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