

Space**Space**

- + ancillary_variables: Space [0..*]
- + comment: string [0..1]
- + history: string [0..1]
- + institution: string [0..1]
- + references: string [0..1]
- + source: string [0..1]
- + standard_error_multiplier: float [0..1]
- + title: string [0..1]

constraints

{The data array is a scalar or all dimension sizes are greater than 1}

Name: Proposed CF data model
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CellMethods

0..1

Grid**Grid****constraints**

{The dimensions of the grid are the unique set of the dimensions of all Dimension Coordinates and Auxiliary Coordinates.}
{In all the Coordinates associated with the grid, no value of the axis attribute may occur more than once.}
{There may be at most one Dimension Coordinate per dimension}

0..*

0..*

0..*

DimensionCoordinate

- + axis: char [0..1]
- + bounds: Variable [0..1]
- + calendar: string [0..1]
- + climatology: boolean [0..1]
- + compress: Coordinate [0..*]
- + leap_month: int [0..1]
- + leap_year: int [0..1]
- + month_lengths: Array [0..1]
- + positive: string [0..1]

constraints

{One dimensional or scalar}
{Numeric}
{Monotonic}

AuxiliaryCoordinate

- + axis: char [0..1]
- + bounds: Variable [0..1]
- + calendar: string [0..1]
- + climatology: boolean [0..1]
- + leap_month: int [0..1]
- + leap_year: int [0..1]
- + month_lengths: Array [0..1]

CellMeasures

- + measure: string

Transform

- + coordinate: Coordinate [0..*]
- + scalar: scalar [0..*]
- + space: Space [0..*]
- + transform_name: string

**«abstract»
Variable**

- + data: Array [0..1]
- + dimensions: string [0..*] {ordered}
- + long_name: string [0..1]
- + shape: int [0..*] {ordered}
- + standard_name: string [0..1]
- + units: string [0..1]