

SAMP MTypes

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This page lists MTypes currently in use by applications which implement SAMP (beyond that small number of administrative MTypes currently defined in the SAMP document). It may at some point be formalised into an IVOA Note.

The items listed here are a work in progress, and may be revised, replaced or removed in the future. Discussion of the content on this page is best done on the `apps-samp` mailing list.

Application domain MTypes

The following MTypes are ones which application authors are using, or are considering using.

table.load.votable

Loads a table in VOTable format.

- Arguments:
 - » `url` (string): URL of the VOTable document to load
 - » `table-id` (string) *optional*: identifier which may be used to refer to the loaded table in subsequent messages
 - » `name` (string) *optional*: name which may be used to label the loaded table in the application GUI
- Return Values: *none*

table.load.fits

Loads a table in FITS format.

- Arguments:
 - » `url` (string): URL of the FITS file to load
 - » `table-id` (string) *optional*: identifier which may be used to refer to the loaded table in subsequent messages
 - » `name` (string) *optional*: name which may be used to label the loaded table in the application GUI
- Return Values: *none*

table.highlight.row

Highlights a single row of an identified table by row index. The table to operate on is identified by one or both of the `table-id` or `url` arguments. At least one of these must be supplied; if

both are given they should refer to the same thing. Exactly what highlighting means is left to the receiving application.

- Arguments:
 - » `table-id` (string): identifier associated with a table by a previous message (e.g. `table.load.*`)
 - » `url` (string): URL of a table
 - » `row` (SAMP int): Row index (zero-based) of the row to highlight.
- Return Values: *none*

table.select.rowList

Selects a list of rows of an identified table by row index. The table to operate on is identified by one or both of the `table-id` or `url` arguments. At least one of these must be supplied; if both are given they should refer to the same thing. Exactly what selection means is left to the receiving application.

- Arguments:
 - » `table-id` (string): identifier associated with a table by a previous message (e.g. `table.load.*`)
 - » `url` (string): URL of a table
 - » `row-list` (list of SAMP int): list of row indices (zero-based) defining which table rows are to form the selection
- Return Values: *none*

image.load.fits

Loads a 2-dimensional FITS image.

- Arguments:
 - » `url` (string): URL of the FITS image to load
 - » `image-id` (string) *optional*: Identifier which may be used to refer to the loaded image in subsequent messages
 - » `name` (string) *optional*: name which may be used to label the loaded image in the application GUI
- Return Values: *none*

coord.pointAt.sky

Directs attention (e.g. by moving a cursor or shifting the field of view) to a given point on the celestial sphere.

- Arguments:
 - » `ra` (SAMP float): right ascension in degrees
 - » `dec` (SAMP float): declination in degrees
- Return Values: *none*

Administrative MTypes

The following MTypes are ones which have been proposed for addition to the SAMP standard as administrative MTypes. If people agree, they will be added to the next version of the SAMP draft.

- *currently none*