| Local short name | Utype | Units | Type | Description | Status |
|---|---|---|---|---|---|
| **OBSERVATION** | | | | | |
| **dataproduct_type** | Observation.DataProductType | unitless | enum | see proposal section 4.1 | M |
| **calib_level** | Observation.calibLevel | unitless | enum integer | Calibration status of the observation: in {0, 1, 2, 3} | M |
| **target_name** | Observation.Target.name | unitless | string | Object of interest | M |
| **target_class** | obs:Target.Class | unitless | string | Class of the Target object as in SSA | O |
| **DATAID** | | | | | O |
| **obs_creator_did** | Observation.DataID.CreatorDID | unitless | string | Ivoa ID given by the creator | M |
| **obs_collection_name** | obs:DataID.Collection | unitless | string | Or archive name | M |
| **creation_date** | obs:DataID.Date | unitless | date | Format ISO8601 or MJD ? | O |
| **obs_creator_name** | obs:DataID.Creator | unitless | string | Name of the creator of the data | O |
| **CURATION** | | | | | |
| **obs_publisher_did** | Observation.Curation.PublisherDID | unitless | string | Data set ID given by the publisher. | M |
| **publisher_id** | obs:Curation.PublisherID | unitless | string | ivoaID for the Publisher | O |
| **bib_reference** | obs:Curation.Reference | unitless | string | Service bibliographic reference | O |
| **data_rights** | obs:Curation.Rights | unitless | enum | Public/Reserved/Proprietary/ | O |
| **ACCESS** | | | | | |
| **access_url** | obs:Acces.Reference | unitless | uri string | URL used to access dataset | M |
| **mime_type** | obs:Access.Format | unitless | string | MIME type of dataset: in {VOTable, FITS, FITS-EXT} | M |
| **CHARACTERISATION** | | | | | |
| **nb_members** | Characterisation.numsegm | unitless | integer | Nb of obs. elements in an association | O |
| **space** | | | | | |
| **s_ra** | Characterisation.SpatialAxis.Coverage.Location.coord.Position2D.Value2.C1 | [deg] | double | Central Spatial Position in ICRS | M |
| **s_dec** | Characterisation.SpatialAxis.Coverage.Location.coord.Position2D.Value2.C2 | [deg] | double | | M |
| **s_ra _min** | Characterisation.SpatialAxis.Coverage.Bounds.limits.Interval.LoLimit2Vec.C1 | [deg] | double | Min ra coordinates of spatial bounding box in ICRS | M |
| **s_ra _max** | Characterisation.SpatialAxis.Coverage.Bounds.limits.Interval.HiLimit2Vec.C1 | [deg] | double | Max RA coordinates of spatial bounding box in ICRS | M |
| **s_dec_min** | Characterisation.SpatialAxis.Coverage.Bounds.limits.Interval.LoLimit2Vec.C2 | [deg] | double | Min DEC limit in spatial Position in ICRS | M |
| **s_dec_max** | Characterisation.SpatialAxis.Coverage.Location.limits.Interval.HiLimit2Vec.C2 | [deg] | double | Max DEC limit in spatial Position in ICRS | M |
| **s_resolution** | Characterisation.SpatialAxis.Resolution.refVal.Cresolution | [arcsec] | float | Spatial resolution of data as FWHM | M |
| **s_ucd** | Characterisation.SpatialAxis.ucd | unitless | ucd string | (pos or u,v data) | O |

| Local short name | Utype | Units | Type | Description | Status |
|---|---|---|---|---|---|
| s_region (s_footprint) | Characterisation.SpatialAxis.Coverage.Support.Area | | stc:AstroCoordArea | Region covered in STC or ADQL | O |
| s_resolution_bound_min | Characterisation.Spatial.Resolution.bounds. Limits.Interval.LoLim | arcsec | double | Resolution min value on spectral axis (FHWM of PSF) | O |
| s_resolution_bound_max | Characterisation.Spatial.Resolution.bounds. Limits.Interval.LoLim | arcsec | double | Resolution max value on spectral axis | O |
| astrometric_cal_status | Characterisation.SpatialAxis.calibStatus | unitless | enum | NOT CALIBRATED, FINE, COARSE | O |
| astrom_precision_stat | Characterisation.SpatialAxis.Accuracy.StatError.errorRefVal.value | arcsec | double | Astrometric precision along the spatial axis | O |
| s_pixel_scale | Characterisation.SpatialAxis.Sampling.refVal.period | arcsec | double | Pixel spacing in spatial units | O |
| time | | | | | |
| t_min | Characterisation.TimeAxis.Coverage.Bounds.Limits.Interval.StartTime | MJD | double | Start time in MJD | M |
| t_max | Characterisation.TimeAxis.Coverage.Bounds.Limits.Interval.StopTime | MJD | double | Stop time in MJD | M |
| t_span | Characterisation.TimeAxis.Coverage.Bounds.Extent | day | float | Total observation elapsed time | M |
| t_exptime | Characterisation.TimeAxis.Coverage.Support.Extent | day | float | Total exposure time | M |
| t_resolution | Characterisation.TimeAxis.Resolution.refVal | [s] | float | Temporal resolution FWHM | M |
| t_cal_status | Characterisation.TimeAxis.calibStatus | unitless | enum | Type of coord calibration | O |
| t_staterr | Characterisation.TimeAxis.Accuracy.StatError.errorRefVal.value | s | double | Time coord statistical error | O |
| spectral | | | | | |
| em_min | Characterisation.SpectralAxis.Coverage.Bounds.limits.Interval.LoLim | [m] | double | start in spectral coordinates | M |
| em_max | Characterisation.SpectralAxis.Coverage.Bounds.limits.Interval.HiLim | [m] | double | stop in spectral coordinates | M |
| em_res_power | Characterisation.SpectralAxis.Resolution.ResolPower .refval | unitless | double | Value of the resolution power along the SpectralAxis. | M |
| em_resolPower_min | Characterisation.Spectral.Resolution.ResolPower.bounds. Limits.Interval.LoLim | m | double | Resolution power min value on spectral axis | O |
| em_resolPower_max | Characterisation.Spectral.Resolution.ResolPower.bounds. Limits.Interval.LoLim | m | double | Resolution power max value on spectral axis | O |
| em_resol | Characterisation.SpectralAxis.Resolution.refVal.value | m | double | Value of Resolution along the SpectralAxis | O |
| em_stat_err | Characterisation.SpectralAxis.Accuracy.StatError.errorRefVal.value | m | double | Spectral coord statistical error | O |
| observable | | | | | O |
| o_ucd | Characterisation.ObservableAxis.ucd | unitless | string | Nature of the observable axis; necessary for polarision data or any kind of flux. Values in { phot.flux, phot.flux.density, phot.count, phot.mag ,...} | M |
| o_cal_status | Characterisation.ObservableAxis.calibStatus | unitless | enum | Level of calibration for the observable coord | O |

| Local short name | Utype | Units | Type | Description | Status |
|---|---|---|---|---|---|
| **o_detection_limit** | Characterisation.ObservableAxis.Resolution.refval | ? | double | Average resolution along observable | O |
| **o_stat_err** | Characterisation.ObservableAxis.Accuracy.StatError.errorRefVal.value | | double | Observable statistical error | O |
| **PROVENANCE** | | | | | O |
| **PI_name** | Provenance.PI.name | unitless | string | Name of Principal Investigator | O |
| **filter_band** | Provenance.ObsConfig.Filter.bandName | unitless | string | For instance : U, B u, g i, k | O |
| **filter_name** | Provenance.ObsConfig.Filter.name | unitless | string | Filter name as stated into the archive: e.g FW66 | O |
| **camera_name** | Provenance.ObsConfig.camera.name | unitless | string | Name of camera | O |
| **optical_element_name** | Provenance.ObsConfig.opticalElem.name | unitless | string | Name of optical element | O |
| **telescope_name** | Provenance.ObsConfig.telescope.name | unitless | string | Name of telescope | O |
| **instrument** | Provenance.ObsConfig..instrument.name | unitless | string | In uppercase ? | O |