Mandatory items for the Observation data model -- Post telecon -- M.Louys - November 3rd, 2009

MANDATORY items	in the Obs Core Components Model			
Local short name	Utype	Units	Type	Description
dataproduct_type	obs:Observation.ProductType		enum	see proposal [1] below
obs_id	obs:Curation.PublisherDID			unique ivoa ID
obs_ivoa_id	obs:DataID.CreatorDID			unique ivoa ID
calib_level	obs:Char/Observation.calibLevel		enum integer	observable calibration status
target_name	obs:Target.name		string	
s_ra	obs:Char/SpatialAxis.Coverage.Location.coord.Position2D.Value2.C1	[deg]	float	central Spatial Position in ICRS
s_dec	obs:Char/SpatialAxis.Coverage.Location.coord.Position2D.Value2.C2	[deg]	float	
s_resolution	obs:Char/SpatialAxis.Resolution.RefVal	[arcsec]	float	Spatial resolution of data
s_bounding_box	obs:Char/SpatialAxis.Coverage.Bounds.Charbox		Char/CharBox	A bounding box
s_area	obs:Char/SpatialAxis.Coverage.Support..Extent	[deg**2]	float	Aperture angular area 's size
t_start	obs:Char/TimeAxis.Coverage.Bounds.Limits.TimeInterval.StartTime	[ISO8601?, MJD?]		Start time
t_stop	obs:Char/TimeAxis.Coverage.Bounds.Limits.TimeInterval.StopTime	[ISO8601?, MJD?]		Stop time
t_span	obs:Char/TimeAxis.Coverage.Bounds.Extent	day	float	Total observation time
t_exptime	obs:Char/TimeAxis.Coverage.Support.Extent	[s]	float	Total exposure time
t_resolution	obs:Char/TimeAxis.Resolution.refVal	[s]	float	Temporal resolution FWHM
em_min	obs:Char/SpectralAxis.Coverage.Bounds.limits.Interval.LoLim	Hz	float	start in spectral coordinates
em_max	obs:Char/SpectralAxis.Coverage.Bounds.limits.Interval.HiLim	Hz	float	stop in spectral coordinates
em_res_power	obs:Char/SpectralAxis.Resolution.ResolPower		unitless	Value of the resolution Power along the SpectralAxis
instrument	obs:Provenance/ObsConfig.instrument.name		string	in uppercase
em_domain	obs:Observation.waveband		enum string	vr:waveband in VODataservice RADIO MILLIMETER INFRARED OPTICAL UV EUV X-RAY GAMMA-RAY