Metadata extension radio visibility data	**M.Louys, 2020 Oct 22**						
Obscore Radio extension keyword	**Definition TD**	**Utype**	**ucd**	**rec. units**	**Mandatory**	**default**	
extension keywords		datamodelpath			/optional		
% position on sky in ICRS							
s_ra	Position (within a certain area)	Char.SpatialAxis.Coverage.RefVal.	pos.eq.ra	deg	man	ICRS	Field ref position
s_dec	Position (within a certain area.	Char.SpatialAxis.Coverage.RefVal	pos.eq.dec	deg	man		
s_resolution	Angular resolution interval (distance)	Char.SpatialAxis.Resolution.RefVal	pos.AngResol	arcsec	man		upper value evaluated from longest baseline
s_xel	Nb of visibility points	Char.spatialAxis.Coverage.numbins???	meta.number	null	opt	1	not always available
s_maxscale	max scale in dataset/shortest baseline dependent		instr.baseline;stat.min	deg	opt		
s_minscale	min scale in dataset/longest baseline dependent		instr.baseline;stat.max	deg	opt		
%target							
target_name	Name of Target	Target.name	meta.id;src	null	opt		Field name or Source
%Observable							
% nb of observables per point							
o_xel	Nb of observables	TS.NDpoint.nbMeas	meta.number	null	man	1	pas necessaire si on code une ligne de données par observable et qu'on relie au même dataset.
% Physical nature of observable							
o_ucd	Physical nature attached to observable	Char.ObservableAxis.ucd	meta.ucd	null	man	stat.Fourier	
%introduce visibility on Observable axis	Fourier coeff in visibilty as amplitude , phase depending on u,v						
%Limits along observable axis							
% spectral coverage							
em_min	spectral interval (min)	Char.SpectralAxis.Coverage.Bounds.Limits.LoLim	em.interval;stat.min	'em_unit'	man	nm	
em_max	spectral interval	Char.SpectralAxis.Coverage.Bounds.Limits.HiLim	em.interval;stat.max	'em_unit'	man	nm	
% Must be qualified by a ucd em.freq if spectral axis is in Frequency							
em_ucd	Wavelength/ Frequency/ Energy	Char.SpectralAxis.ucd	meta.ucd	null	opt		obscore :query in meters
em_unit	Unit along the spectral axis	Char.SpectralAxis.unit	meta.unit	null	opt		if mentionned then it means em_min and max are given in these units otherwise in m
f_min	spectral coverage (min) in frequency	Char.SpectralAxis.Coverage.Bounds.Limits.LoLim	em.freq;stat.min	f_unit'	man	MHz	choose appropriate unit
f_max	spectral coverage (max) in frequency	Char.SpectralAxis.Coverage.Bounds.Limits.HiLim	em.freq;stat.max	f_unit'	man	MHz	
f_unit	Unit along frequency intervals	Char.SpectralAxis.unit	meta.unit	null	opt	MHz	may be adjusted depending high or low freq domain
% Polarisation states							
pol_states	Polarization state list	Char.Polarization.List	meta.class	null	opt		
%time features							
t_min	Time start of the sequence(min)	Char.TimeAxis.Coverage.Bounds.Limits.LoLim	time.start;obs.sequence	s	man		in recommended TimeCoordsys
t_max	Time end of the sequence	Char.TimeAxis.Coverage.Bounds.Limits.HiLim	time.end;obs.sequence	s	man		obscore
% NB: the time span , or elapsed time for the sequence is then t_max -t_min							
t_exptime	Exposure time (sum of multiple exposures)	Char.TimeAxis.Support.Extent	time.duration;obs.exposure	s	man		in obscore
t_exp_min	Exposure time of samples (min integration time)	Char.TimeAxis.Sampling.Extent.loLim	time.duration;obs.exposure;stat.min	s	man		min integration time on sample
t_exp_max	Exposure time of samples (max)	Char.TimeAxis.Sampling.Extent.hiLim	time.duration;obs.exposure;stat.max	s	man		max integration time on sample
t_resolution	minimal interpretable time difference	Char.TimeAxis.Resolution.Refval					project dependent
%nb of sample along the time axis							
t_xel	nb of time intervals in dataset	Char.TimeAxis.numBins	meta.number	null	man		

in red existing ObsTAP columns
in blue proposed addition for radio data