Observable name	ucd for the observable (ucd1+)	description	unit
counts	phot.count	nb of photons counts	unitless
ADU	phot.ADU	nb of recorded units on the detector	unitless
Flux/Luminosity			
flux	phot.flux	Photon flux	W/m2
flux density	phot.flux.density	Flux density (per wl/freq/energy interval)	Jy/Hz
flux surface brightness	phot.flux.sb	Flux surface brightness	Jy/arcs2 or Jy/str
flux magnitude	phot.mag	Photometric magnitude	mag
magnitude surface brightness	phot.mag.sb	Surface brightness in magnitude units	mag/arcs2
optical density	phys.density	optical density through glass plates	unitless
line ratio	phot.flux.density;arith.ratio	for line ratio maps	unitless
equivalent width	spect.line.eqWidth	for line intensities relative to continuum	nm, MHz
Polarization (Flux)			
Stokes parameters I	phot.flux.density;phys.polarization.stokes.I		Jy.arcsec−2
Stokes parameters Q	phot.flux.density;phys.polarization.stokes.Q		
Stokes parameters U	phot.flux.density;phys.polarization.stokes.U		
Stokes parameters V	phot.flux.density;phys.polarization.stokes.V		
circular parameters RR	phot.flux.density;phys.polarization.circular.RR		
circular parameters LL	phot.flux.density;phys.polarization.circular.LL		
other params: XX YY XY YX			
Polarization Intensity	phot.flux.density;phys.polarization.linear.POLI		
Polarisation angle	phot.flux.density;phys.polarization.linear.POLA		
Velocity			
spectral index	spect.index	Spectral index	unitless
line width	spect.line.width	Spectral line fwhm	nm
radial velocity	spect.dopplerVeloc	Radial velocity, derived from the shift of some spectral feature	km/s
velocity dispersion	phys.veloc.dispersion	Velocity dispersion from spectral line width	