Parameter	Description	Format	Units/Default value	Example values
REQUEST	The request or operation name	string		REQUEST=queryData is mandatory for all queries.
POS	The centre of the region of interest specified as ra,dec in decimal degrees (ICRS 2000). Reference frame format modifier is not supported.	ra,dec	degrees	POS=52,-27.8
SIZE	The diameter of the circular region of interest in decimal degrees.	double	degrees	SIZE=0.1
BAND	A single wavelength or wavelength range of interest. Filter names are not supported (e.g. BAND=J), but see the FILTER parameter below (applicable to some spectra). Qualifiers of ;source or ;observer are not supported.	single value or range	metres	BAND in metres as either a single value (e.g. BAND=550e-9) or a range (e.g. BAND=1e-7/3e-6). The latter may also be specified as "/" (all wavelengths), "550e-9/" (wavelengths >= 550nm) or "/550e-9" (wavelengths <= 550 nm).
BANDREST	Same as BAND, but operates on the rest wavelength frame of the spectra. This only applies to spectra with defined redshifts.	single value or range	metres	BANDREST in metres as either a single value (e.g. BANDREST=550e-9) or a range (e.g. BANDREST=1e-7/3e-6). The latter may also be specified as "/" (all wavelengths), "550e-9/" (wavelengths >= 550nm) or "/550e-9" (wavelengths <= 550 nm).
TIME	A single time or time range of interest.	single value or range		A single time in format yyyy, yyyy-mm, yyyy-mm-dd or yyyy-mm-ddThh:mm:ss. May also be specified as a range, e.g. "/" (all time), "yyyy-mm-dd/yyyy-mm-dd (spectrum overlaps date range)", "yyyy-mm-dd/" (spectra taken >= yyyy-mm-dd) or "/yyyy-mm-dd" (spectra taken <= yyyy-mm-dd).
TIMEMJD	The Modified Julian Date (MJD) in days. Can be used to filter using only MJD, rather than the date formats of the TIME parameter.	string	d	Can be either a single number (e.g. TIMEMJD=55063), matching spectra that overlaps the date, or as a range (e.g. TIMEMJD=55062.1/55064.3). The latter may also be specified as "/" (all time), "55062.1/" (MJD >= 55062.1) or "/55064.3" (MJD <= 55064.3).
FORMAT	Desired format of the retrieved data in a comma separated list. Supported values include application/x-votable+xml, application/fits, application/xml, votable, fits and metadata.			FORMAT=fits; FORMAT=votable; FITS=metadata
SPECRP	The spectrum resolving power (Lambda/Delta Lambda).	double		Specified as a single number, e.g. SPECRP=12000, such that em_res_power >= 12000 or em_res_power_min >= 12000, where em_res_power and em_res_power_min are the relevant obscore parameters.

SNR	The minimum signal-to-noise ratio.	double		Specified as a single number, e.g. SNR=20, such that em_snr > 20, where em_snr is the relevant obscore parameter.
RV	The radial velocity.	double as a range		Specified as a range, e.g. "/" (all rvs), "100/" (rv >= 100 km/s) or "/50" (rv <= 50 km/s), where rv is the relevant custom obscore parameter.
REDSHIFT	The redshift.	double as a range		Specified as a range, e.g. "/" (all redshifts), "1.2/" (redshift >= 1.2) or "/2" (redshift <= 2), where redshift is the relevant custom obscore parameter.
TARGETNAME	The name of the target	string		Matches the obscore parameters target_name or alt_target_name.
FLUXCALIB	Specifies the minimum level of flux calibration.	string		FLUXCALIB=absolute; FLUXCALIB=relative; FLUXCALIB=normalized; FLUXCALIB=any
WAVECALIB	Specifies the minimum level of spectral coordinate calibration.	string		WAVECALIB=absolute; WAVECALIB=relative; WAVECALIB=any
PUBDID	The IVOA publisher dataset identifier, assigned by the publisher of a dataset.	string		
CREATORDID	The IVOA dataset identifier.	string		
COLLECTION	The collection the spectra belong to. The format is the survey name, followed by "_" and the data release identifier.	string		COLLECTION=gama_dr2; COLLECTION=ozdes_dr2; COLLECTION=6dfgs_fdr; COLLECTION=galah_dr3; COLLECTION=2dfgs_fdr; COLLECTION=wigglez_final
SUBCOLLECTION	The subcollection the spectra belong to. Added to allow differentiation between datasets belonging to an individual COLLECTION.	string		Mostly applicable if COLLECTION=gama_dr2, in which case: SUBCOLLECTION=2dfgrs; SUBCOLLECTION=2qz; SUBCOLLECTION=2slaq-lrg; SUBCOLLECTION=2slaq-qso; SUBCOLLECTION=6dfgs; SUBCOLLECTION=gama; SUBCOLLECTION=gama_lt; SUBCOLLECTION=mgc; SUBCOLLECTION=sdss; SUBCOLLECTION=wigglez
TOP	Limits the number of returned records in the query response table to the specified number of top ranking ones. Since we order the output results by those nearest to the query position, we treat this parameter exactly like MAXREC (see below).	integer		TOP=50

MAXREC	The maximum number of records to be returned.	integer		MAXREC=100
CALIB	Calibration level of the data. Integer value of 0, 1, 2, 3 or 4. Briefly the calibration levels specify: internal format (0), standard format (1), science ready (2), enhanced science product (3) and analysis product (4). Most spectra belong to 2, but some stacked from multiple exposures are 3 (see also DPSUBTYPE below).	integer		CALIB=3
DPSUBTYPE	The dataproduct subtype of the spectrum. Either "science" or "combined" for stacked spectra.	string		DPSUBTYPE=science; DPSUBTYPE=combined
EXPTIME	The minimum exposure time of the spectrum in seconds. Specified as a single number.	double		EXPTIME=1200, implies t_exptime >= 1200, where t_exptime is the relevant obscore parameter.
FACILITY	The facility name used to take the spectrum.	string		FACILITY=AAT
FILTER	Filter description for the spectrum. In some surveys this parameter denotes a shorthand to a filter that would describe the wavelength range of the spectrum (e.g. 6dfgs_fdr and galah_dr3).	string		For 6dfgs_fdr: FILTER=V; FILTER=R; FILTER=VR. For galah_dr3: FILTER=B; FILTER=V; FILTER=R; FILTER=I.
FOV	The field-of-view (aperture size) in degrees used to obtain the spectrum, e.g. fibre diameter for MOS spectra or longslit width for longslit spectra, specified as a range.	string	degrees	e.g. FOV=/ (all sizes), FOV=a/ (s_fov >= a), FOV=/b (s_fov <= b), FOV=a/b (a <= s_fov <= b). Here s_fov is the obscore parameter of interest.
INSTRUMENT	The instrument name used to take the spectrum.			
ISBEST	Boolean parameter whether the spectrum is the best available in a given COLLECTION. Acceptable values include 1, T, True or 0, F, False.	Boolean		ISBEST=T
NEPOCHS	The minimum number of observations (epochs) for a spectrum.	integer		NEPOCHS=5 implies that t_xel >= 5, where t_xel is the relevant obscore parameter.
PROPOSAL	Proposal code of the corresponding telescope proposal under which the spectra were taken.	string		
RESOLUTION	The maximum resolution (full-width at half-maximum) of the spectrum in metres.	double	metres	e.g. a maximum resolution of 2.0 Angstrom (FWHM) would be RESOLUTION=2.0E-10, such that em_resolution <= 2.0E-10, where em_resolution is the relevant obscore parameter.
TIMERES	The minimum time resolution in seconds.	double	seconds	e.g. TIMERES=60 implies that t_resolution >= 60, where t_resolution is the relevant obscore parameter.
SEEING	The maximum seeing at the time of observation in arcsec.	double	arcsec	e.g. SEEING=1.5, implies that s_seeing <= 1.5, where s_seeing is our custom obscore parameter.