

GSC 2.3.3 / GSC 2.4.0 Record Structure

DB Table name : catalogRecord

DB View : PhotoPrimary for compatibility with previous version of catalogue

DB View : GSC240publicVOView or use with outward facing services such as VO webservice

FieldName	DataType	UCD	unit	FieldDescription	id	ucd1+	catalogRecord	PhotoPrimary	GSC23publicVOView/ GSC240publicVOView
hstID	char	ID_MAIN		GSC2 Public ID	hstID	meta.id;meta.main	x	x	x
ra	double	POS_EQ_RA_MAIN	degree	Right Ascension (ICRS)	ra	pos.eq.ra;meta.main	x	x	x
dec	double	POS_EQ_DEC_MAIN	degree	Declination (ICRS)	dec	pos.eq.dec;meta.main	x	x	x
objID	long	ID_DATABASE		Database ID	objID	meta.record	x	x	
gsc2ID	char	ID_IDENTIFIER		GSC2 Internal ID	gsc2ID	meta.id	x		
compassGSC2id	long	ID_IDENTIFIER		GSC2 Internal ID	compassGSC2id	meta.id	x		
GSC1ID	char	ID_CROSSID		GSC1 ID	GSC1ID	meta.id.cross	x	x	x
GAIAsourceID	long	ID_CROSSID		GAIA ID	GAIAsourceID	meta.id	x		
epoch	float	TIME_EPOCH	year	Epoch of coordinate	epoch	time.epoch;obs	x	x	x
raEpsilon	float	ERROR	arcsec	RA error	raEpsilon	stat.error	x	x	x
decEpsilon	float	ERROR	arcsec	Dec error	decEpsilon	stat.error	x	x	x
rapm	float	POS_EQ_PM_RA	mas/year	RA proper motion	rapm	pos.pm;pos.eq.ra	x	x	x
decpm	float	POS_EQ_PM_DEC	mas/year	Dec proper motion	decpm	pos.pm;pos.eq.dec	x	x	x
rapmErr	float	ERROR	mas/year	RA pm error	rapmErr	stat.error	x	x	x
decpmErr	float	ERROR	mas/year	Dec pm error	decpmErr	stat.error	x	x	x
deltaEpoch	float	TIME_INTERVAL	year	Time interval used for PM computation	deltaEpoch	time.interval	x	x	x
FpgMag	float	PHOT_PHG_R	mag	Photographic Red magnitude	FpgMag	phot.mag;em.opt.R	x	x	x
FpgMagErr	float	ERROR	mag	Photographic Red magnitude error	FpgMagErr	stat.error	x	x	x
FpgMagCode	int	PHOT_SYS-ID		Photographic Red bandpass code	FpgMagCode	meta.code	x	x	x
JpgMag	float	PHOT_PHG_BJ	mag	Photographic Blue magnitude	JpgMag	phot.mag;em.opt.B	x	x	x
JpgMagErr	float	ERROR	mag	Photographic Blue magnitude error	JpgMagErr	stat.error	x	x	x
JpgMagCode	int	PHOT_SYS-ID		Photographic Blue bandpass code	JpgMagCode	meta.code	x	x	x
VMag	float	PHOT_MAG_V	mag	V band magnitude	VMag	phot.mag;em.opt.V	x	x	x
VMagErr	float	ERROR	mag	V band magnitude error	VMagErr	stat.error	x	x	x
VMagCode	int	PHOT_SYS-ID		V band bandpass code	VMagCode	meta.code	x	x	x
NpgMag	float	PHOT_PHG_I	mag	Photographic Near-IR magnitude	NpgMag	phot.mag;em.opt.I	x		x
NMag	float	PHOT_PHG_I	mag	Photographic Near-IR magnitude (alias)	NpgMag	phot.mag;em.opt.I		x	
NpgMagErr	float	ERROR	mag	Photographic Near-IR magnitude error	NpgMagErr	stat.error	x		x
NMagErr	float	ERROR	mag	Photographic Near-IR magnitude error (alias)	NpgMagErr	stat.error		x	
NpgMagCode	int	PHOT_SYS-ID		Photographic Near-IR bandpass code	NpgMagCode	meta.code	x		x

NMagCode	int	PHOT_SYS-ID		Photographic Near-IR bandpass code (alias)	NpgMagCode	meta.code		x	
UMag	float	PHOT_MAG_U	mag	U band magnitude	UMag	phot.mag;em.opt.U	x	x	x
UMagErr	float	ERROR	mag	U band magnitude error	UMagErr	stat.error	x	x	x
UMagCode	int	PHOT_SYS-ID		U band bandpass code	UMagCode	meta.code	x	x	x
BMag	float	PHOT_MAG_B	mag	B band magnitude	BMag	phot.mag;em.opt.B	x	x	x
BMagErr	float	ERROR	mag	B band magnitude error	BMagErr	stat.error	x	x	x
BMagCode	int	PHOT_SYS-ID		B band bandpass code	BMagCode	meta.code	x	x	x
RMag	float	PHOT_MAG_R	mag	R band magnitude	RMag	phot.mag;em.opt.R	x	x	x
RMagErr	float	ERROR	mag	R band magnitude error	RMagErr	stat.error	x	x	x
RMagCode	int	PHOT_SYS-ID		R band bandpass code	RMagCode	meta.code	x	x	x
IMag	float	PHOT_MAG_I	mag	I band magnitude	IMag	phot.mag;em.opt.I	x	x	x
IMagErr	float	ERROR	mag	I band magnitude error	IMagErr	stat.error	x	x	x
IMagCode	int	PHOT_SYS-ID		I band bandpass code	IMagCode	meta.code	x	x	x
JMag	float	PHOT_MAG_J	mag	2MASS J band magnitude	JMag	phot.mag;em.IR.J	x	x	x
JMagErr	float	ERROR	mag	2MASS J band magnitude error	JMagErr	stat.error	x	x	x
JMagCode	int	PHOT_SYS-ID		2MASS J band bandpass code	JMagCode	meta.code	x	x	x
HMag	float	PHOT_MAG_H	mag	2MASS H band magnitude	HMag	phot.mag;em.IR.H	x	x	x
HMagErr	float	ERROR	mag	2MASS H band magnitude error	HMagErr	stat.error	x	x	x
HMagCode	int	PHOT_SYS-ID		2MASS H band bandpass code	HMagCode	meta.code	x	x	x
KMag	float	PHOT_MAG_K	mag	2MASS K band magnitude	KMag	phot.mag;em.IR.K	x	x	x
KMagErr	float	ERROR	mag	2MASS K band magnitude error	KMagErr	stat.error	x	x	x
KMagCode	int	PHOT_SYS-ID		2MASS K band bandpass code	KMagCode	meta.code	x	x	x
class	int	CLASS_OBJECT		Object classification code	class	meta.code.class	x	x	x
semiMajorAxis	float	OBS_PARAM	pixels	SemiMajor diameter of object	semiMajorAxis	phys.angSize.smajAxis	x	x	x
eccentricity	float	OBS_PARAM		Eccentricity of object	eccentricity	phys.size.axisRatio	x	x	x
positionangle	float	OBS_PARAM	degree	Position Angle (North thru East)	positionangle	pos.posAng	x	x	x
sourceStatus	long	CODE_MISC		Object status codes	sourceStatus	meta.code.status	x	x	x
variableFlag	char	CODE_VARIAB		Flag for known variable	variableFlag	meta.code.status	x	x	x
multipleFlag	char	CODE_MULT_FLAG		Flag for known multiple	multipleFlag	meta.code.class	x	x	x
usageFlag	int	CODE_MISC		Previous GS +1 good -1 bad	usageFlag	meta.code	x		
mag	float	PHOT_MAG	mag	'best' available mag	mag	phot.mag			x