

Bandpass Codes

During the evolution of the catalog construction process, a number of predefined codes were created to refer to the observation bandpass/filters from which magnitudes were derived.



Codes

Please note that not all possible codes are used in the catalog records. For example, there is no 40.

Code	Bandpass	Photographic Emulsion and/or Filter System	Notes	Info
0	Jpg	IIIaJ+GG395	SERC-J/EJ Blue survey (S plates)	AAO/GSC2.Bj
1	Vpg	IIaD+W12	Pal-QuickV survey (N plates)	
2	FGS	HST FGS		HST/FGS.PUPIL
3	B	Johnson		Generic/Johnson.B
4	V	Johnson		Generic/Johnson.V
5	Fpg	IIIaF+RG630	ESO-R	
6	Vpg	IIaD+GG495	SERC-QuickV survey (XV plates)	
7	Opg	103aO+no filter	POSS-I Blue survey (XO plates)	Palomar/POSS.Blue
8	Epg	103aE+red plexi	POSS-I Red survey (XE plates)	Palomar/POSS.Red
9	Fpg	IIIaF+RG630		
10	-	IIaD+GG495+yellow objective	GPO Astrograph	
11	-	103aO+blue objective	Black Birch Astrograph	
12	-	103aO+blue objective	Black Birch Astrograph (GSC cal)	
13	-	103aG+GG495+yellow objective	Black Birch Astrograph	
14	-	103aG+GG495+yellow objective	Black Birch Astrograph (GSC cal)	
16	Vpg	IIIaJ+GG495	Pal-V/SERC-V special plates (XX plates)	
18	Jpg	IIIaJ+GG385	POSS-II Blue survey (XJ plates)	Palomar/GSC2.Bj
19	U	Johnson		Generic/Johnson.U
20	R	Johnson		Generic/Johnson.R
21	I	Johnson		Generic/Johnson.I
22	U	Cape		GCPD/Cape.Uc
23	R	Kron		CTIO/SAMI.R
24	I	Kron		CTIO/SAMI.I
35	Fpg	IIIaF+RG610	POSS II Red survey (XP plates)	Palomar/GSC2.Rf
36	Fpg	IIIaF+OG590	AAO-SES Red survey (XS/ER/GR plates)	AAO/GSC2.Rf
37	Npg	IVN+RG9	POSS II Near-IR survey (XI plates)	Palomar/GSC2.In
38	Npg	IVN+RG715	SERC-I Near-IRsurvey (IS plates)	AAO/GSC2.In
39	Jpg	IIaO+GG385	ESO-B	
TYCHO catalog from ESA Astrometric satellite HIPPARCOS				Data Archive Documentation
41	Bt	TYCHO B	Vega mag system (based on Johnson system)	TYCHO/TYCHO.B
42	Vt	TYCHO V	Vega mag system (based on Johnson system)	TYCHO/TYCHO.V
Infra-Red Astronomical Satellite				Data Archive Documentation
43	IRAS12	IRAS 12 micron	Calibrated on alpha-Tau	IRAS/IRAS.12mu
44	IRAS25	IRAS 25 micron	Extrapolated from IRAS 12 micron	IRAS/IRAS.25mu
45	IRAS60	IRAS 60 micron	Extrapolated from IRAS 12 micron	IRAS/IRAS.60mu
46	IRAS100	IRAS 100 micron	Extrapolated from IRAS 12 micron	IRAS/IRAS.100mu
2 Micron All-Sky Survey				Data Archive Documentation
47	J	2MASS	Vega mag system	2MASS/2MASS.J
48	H	2MASS	Vega mag system	2MASS/2MASS.H

49	Ks	2MASS	Vega mag system	2MASS/2MASS.Ks
Sloan Digital Sky Survey				Data Archive Documentation
50	u	SDSS	AB mag system	SLOAN/SDSS.u
51	g	SDSS	AB mag system	SLOAN/SDSS.g
52	r	SDSS	AB mag system	SLOAN/SDSS.r
53	i	SDSS	AB mag system	SLOAN/SDSS.i
54	z	SDSS	AB mag system	SLOAN/SDSS.z
Wide-field Infrared Survey Explorer				Data Archive Documentation
55	w1	WISE	Vega mag system	WISE/WISE.W1
56	w2	WISE	Vega mag system	WISE/WISE.W2
57	w3	WISE	Vega mag system	WISE/WISE.W3
58	w4	WISE	Vega mag system	WISE/WISE.W4
Panoramic Survey Telescope & Rapid Response System				Data Archive Documentation
59	g	PanSTARRS	AB mag system	PAN-STARRS/PS1.g
60	r	PanSTARRS	AB mag system	PAN-STARRS/PS1.r
61	i	PanSTARRS	AB mag system	PAN-STARRS/PS1.i
62	z	PanSTARRS	AB mag system	PAN-STARRS/PS1.z
63	y	PanSTARRS	AB mag system	PAN-STARRS/PS1.y
64	w	PanSTARRS	AB mag system	PAN-STARRS/PS1.w
ESA Astrometric satellite GAIA				Data Archive Documentation
65	G	GAIA	Vega mag system	GAIA/GAIA3.G
66	Grp	GAIA (red)	Vega mag system	GAIA/GAIA3.Grp
67	Gbp	GAIA (blue)	Vega mag system	GAIA/GAIA3.Gbp
68	Grvs	GAIA (rv system)	Vega mag system	GAIA/GAIA3.Grvs
Visible and Infrared Survey Telescope for Astronomy				Data Archive Documentation
69	Z	VISTA	Tied to 2MASS system (Vega)	Paranal/VISTA.Z
70	Y	VISTA	Tied to 2MASS system (Vega)	Paranal/VISTA.Y
71	J	VISTA	Tied to 2MASS system (Vega)	Paranal/VISTA.J
72	H	VISTA	Tied to 2MASS system (Vega)	Paranal/VISTA.H
73	Ks	VISTA	Tied to 2MASS system (Vega)	Paranal/VISTA.Ks
SkyMapper Southern Sky survey				2019PASA...36...33O
74	u	SMSS	AB mag system	SkyMapper/SkyMapper.u
75	v	SMSS	AB mag system	SkyMapper/SkyMapper.v
76	g	SMSS	AB mag system	SkyMapper/SkyMapper.g
77	r	SMSS	AB mag system	SkyMapper/SkyMapper.r
78	i	SMSS	AB mag system	SkyMapper/SkyMapper.i
79	z	SMSS	AB mag system	SkyMapper/SkyMapper.z
Revised Catalog of GALEX (Galaxy Evolution Explorer) UV Sources I - The All-Sky Survey				2017ApJS..230...24B
80	fuv	GALEX	AB mag system	GALEX/GALEX.FUV
81	nuv	GALEX	AB mag system	GALEX/GALEX.NUV
NOIRlab Source Catalog				2021AJ....161..192N
82	u	NSC	AB mag system (tied to PanSTARRS, ATLASrefcat)	
83	g	NSC	AB mag system (tied to PanSTARRS, ATLASrefcat)	
84	r	NSC	AB mag system (tied to PanSTARRS, ATLASrefcat)	
85	i	NSC	AB mag system (tied to PanSTARRS, ATLASrefcat)	
86	z	NSC	AB mag system (tied to PanSTARRS, ATLASrefcat)	
87	Vr	NSC	AB mag system (tied to PanSTARRS, ATLASrefcat)	

88	Y	NSC	AB mag system (tied to PanSTARRS, ATLASrefcat)	
Asteroid Terrestrial-impact Last Alert System reference catalog				2018ApJ...867..105T
89	g	ATLASrefcat	AB mag system (tied to PanSTARRS)	
90	r	ATLASrefcat	AB mag system (tied to PanSTARRS)	
91	i	ATLASrefcat	AB mag system (tied to PanSTARRS)	
92	z	ATLASrefcat	AB mag system (tied to PanSTARRS)	