

Table of Targeting Magnitudes (TARG_PM_SRC) for DR17

TARG_PM Value	Alternate Spellings	Description of Proper Motion Source	Reference with link to ADS
AJW		Proper motions of Upper Sco provided by AJ Weinberger.	Donaldson et al. 2017
ALLWISE	WISE	Proper motions included in the AllWise Catalog.	IPAC AllWise Holding
BASS		Banyan All Sky Survey Catalog (BASS) for nearby moving groups.	Gagne et al. 2015
Bouy		Pleiades cluster measurements from DANCe.	Bouy et al. 2015
BUD		BOSS Ultracool Dwarfs: late-type stars identified from BOSS spectra.	Schmidt et al. 2015 Schmidt et al. 2016
CPS		Targets are from the California Planet Survey (CPS), but the proper motions were taken from the new Hipparcos reductions.	van Leeuwen 2007
CRD, JNKS, LUCY, MRTH, VSINI		These all indicate the source of a target. The proper motions are from the SUPERBLINK survey.	Leipine & Gaidos 2011
epic		The K2 Ecliptic Plane Input Catalog (EPIC). This is a compilation and the source for an individual target needs to be determined individually.	Catalog (MAST) Huber et al. 2016
Faherty_2009		Brown dwarf kinematics project.	Faherty et al. 2009
GagneWebList2014	Gagne	Proper motion from supplementary information associated with the Banyan II paper.	Project Website Gagne et al. 2014
Gaia	GAIADR2, gaiadr2, GAIA, Gaia2, GaiaDR2, GAIA_DR2, GAIA-DR2, gaiaDR2, gaia2	Proper motions retrieved from the <i>Gaia</i> DR2 release.	Gaia Collaboration et al. 2018 CDS Catalog Entry
HIP	Hipparcos	Proper motions from the Hipparcos catalog.	Perryman et al. 1997 Catalog Website CDS Catalog Entry
HSOY	hsoy	The Hot Stuff for One Year (HSOY) catalog that combined <i>Gaia</i> DR1 positions with PPMXL to produce a revised proper motion catalog.	Altmann et al. 2017 CDS Catalog Entry
IGSL		The Initial <i>Gaia</i> Source List (IGSL)	OGLE Project

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Jameson_2008		Proper motions of L and T dwarfs.	Jameson et al. 2008
KIC	KEPLER	Proper motion taken from the <i>Kepler</i> Input Catalog, which is a compilation. The origin for individual sources would need to be queried individually.	Brown et al. 2011 CDS Catalog Entry
Kraus07		A study focused on Coma Berenices and Praesepe that utilized a number of surveys.	Kraus & Hillenbrand 2007 CDS Catalog Entry
LATEMOVERS		LaTE MoVeRS – a proper motion study to identify low mass stars.	Theissen et al. 2017
Leeuwen2007		Hipparcos new reduction.	van Leeuwen 2007
Lepine&Gaidos2011	LSPM, LG11, Lepine_&Gaidos_, Lepine&Gaidos201	SUPERBLINK proper motion program.	Lépine & Gaidos 2011
Lick-NPM2		Lick Northern Proper Motion Survey	Hanson et al. 2004
MTLS			Bonfils et al. 2005
NOMAD		The Naval Observatory Merged Astrometric Dataset	Zacharias et al. 2004 CDS Catalog Entry
NONE	None, none, nosource	No proper motion was used for targeting. Equivalent to setting the proper motion to (0,0).	
Pan-STARRS1		The Gaia-PanSTARRS1(PS1)-SDSS (GPS1) proper motion catalog.	Tian et al. 2017 Link to Catalog
Platais2003		WIYN Open Cluster study of NGC188.	Platais et al. 2003
PPMXL	PPMX	A proper motion catalog combining 2MASS and USNOB1.	Roeser, Demleitner, & Schilbach 2010 CDS Catalog Entry
prelim_PS1-2MASS		Preliminary version of motions derived from PanSTARRs and 2MASS.	
sblink	SBLINK, Lepine&Shara2005, LSPM, LSPM-N, LSPMd, LSPM/LG11	SUPERBLINK	Lépine & Shara 2005

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TGAS	tgas	Tycho- <i>Gaia</i> Astrometric Solution	Lindegren et al. 2016
TIC		TESS Input Catalog; this is a compilation and the origin of an individual source should be queried.	TESS at MIT TIC Website Stassun et al. 2018 (v8)
tic7		Proper motions adopted from the TIC v7.	TESS at MIT TIC Website Stassun et al. 2018 (v8)
TYCHO2	Tycho, Tycho-2, tycho2, TYC	The Tycho2 Catalog.	Høg et al. 2000 CDS Catalog Entry
UCAC		The 1 st Naval Observatory CCD Astrograph Catalog.	Zacharias et al. 2000
UCAC2		The 2 nd Naval Observatory CCD Astrograph Catalog.	Zacharias et al. 2004
UCAC3		The 3 rd Naval Observatory CCD Astrograph Catalog.	Zacharias et al. 2010
UCAC4		The 4 th Naval Observatory CCD Astrograph Catalog.	Zacharias et al. 2013
UCAC5		The 5 th Naval Observatory CCD Astrograph Catalog.	Zacharias et al. 2017
UKIDSS		UKIRT Infrared Deep Sky Surveys.	
URAT	URAT-1, URAT1	USNO Robotic Astrometric Telescope	
UScoMean		Mean proper motion for the Upper Sco Association (pmra = -11.6 mas/yr, pmdec = -23.6 mas/yr)	
USNOB1	USNO-B1.0	United States Naval Observatory B-1 catalog.	Monet et al. 2003 CDS Catalog Entry
vanL2000		A proper motion study of ω Centauri.	van Leeuwen et al. 2000
VVV		VISTA Variables in Via Lactea.	Project Website.
Weinberger2016		The Carnegie Astrometric Planet Search Program.	Weinberger et al. 2016
Zuckerma		Focused study of α Per.	Zuckerman et al. 2012