Table 2.1 A non-exhaustive list of (actual or proposed) space astrometry survey missions based on Hipparcos-type scanning or the step-stare observation mode. Several of the proposals evolved substantially over the years; the table generally gives the most recent known characteristics. An asterisk (*) indicates Fizeau-type interferometers (double-aperture telescopes). Note that the table does not include pointing space interferometers (Section 2.8). References: Hipparcos (Perryman *et al.* 1997); Tycho (Høg *et al.* 2000); AIST-Struve (Chubey *et al.* 1997); Roemer and Roemer+ (Høg 1993, 1995), GAIA (Lindegren and Perryman 1996), Gaia (Lindegren 2010a), DIVA (Bastian and Röser 2001), FAME (Johnston 2003), OBSS (Johnston *et al.* 2006), Nano-JASMINE (Kobayashi *et al.* 2008, Gouda 2010), JASMINE (Yano *et al.* 2008, Gouda 2010), JMAPS (Hennessy and Gaume 2010, Gaume 2010)

Project	Agency	Magnitude range	Number of stars	Typical accuracy (at mag.)	Observation mode (# FOV)	Status
Hipparcos	ESA	< 12	0.1 M	1000 μas (9)	Scanning (2)	1989–1993
Tycho		< 11.5	2.5 M	7000 μas (9)		
AIST-Struve	Russia	< 15	> 4 M	1000 μas (14)	Scanning (4)	Not developed
Roemer	ESA	< 18	400 M	140 μas (14)	Scanning (2)	Superseded
Roemer+		< 20	1000 M	35 μas (14)	Scanning (2)	Part of Gaia
GAIA (*)	ESA	< 15	50 M	6 μas (14)	Scanning (3)	Now Gaia
Gaia		6–20	1000 M	15 μas (14)	Scanning (2)	Launch 2013
DIVA (*)	Germany	< 15	35 M	900 μas (13)	Scanning (2)	Cancelled 2003
FAME	USA	5–15	40 M	50 μas (9)	Scanning (2)	Cancelled 2002
OBSS	USA	7–23	1000 M	10 μas (14)	Step-stare (1)	On hold
Nano-JASMINE	Japan	< 9	0.1 M	2000 μas (7.5)	Scanning (2)	Launch 2013
JASMINE	Japan	< 14	10 M	10 μas (14)	Step-stare (1)	Under study
JMAPS	USA	0–14	40 M	1000 μas (12)	Step-stare (1)	Launch 2014