

Table 20.3 Wide-field optical and near-infrared surveys							
Survey name	Operation year	Sky area	Bandpass	Aperture (m)	<i>R</i> magnitude range	Scale ("/px)	Field (deg ²)
Current optical surveys							
SDSS	2005 . . .	1/4	u, g, r, i, z	2.5	15–22	0.40	1.50
CMC	~2000	North	r	0.2	9–17	0.70	Scan
CMASF	~1995	South	r	0.2	9–17	0.7	Scan
PM2000	~2000		r	0.2	9–17	0.70	Scan
UCAC	1998–2004	North	579–643 nm	0.2	8–16	0.90	1.0
Pan-STARRS	2008 . . .	70%	Optical	1.8	15–24	0.30	7.00
Future optical surveys							
URAT	2010 . . .	All	670–750 nm	0.2	7–18	0.90	28.00
LSST	2014 . . .	South	320–1080 nm	6.7	16–25	0.20	9.60
Near-infrared surveys							
2MASS	1997–2001	All	J, H, Ks	1.3	0–19	2.00	Scan