

High Resolution Imaging Requirements - tables

Xiao-Lei Meng et al.

UCSB

xlmeng919@gmail.com

December 4, 2014

Received _____; accepted _____

keep working!

Table 1. Surface Brightness Profile Models

Lens Name	R_{eff} (arcsec)	q	pa (deg)	n	Δ_x (arcsec)	Δ_y (arcsec)	i band magnitude	k band magnitude	VIS magnitude	H band magnitude
Parameters for the Source										
SL2SJ135949+553550 ^a	0.23	0.92	54.0	4.0	0.0662	-0.1670	25.0	25.0	25.0	25.0
SLACS0330-0020 ^b	0.12	0.77	120.0	1.33	0.195	0.34	22.73	22.0	23.46	22.0
Parameters for the lens										
SL2SJ135949+553550 ^a	1.76	0.61	-9.6	4.0	—	—	20.69	19.7	21.1345	19.7
SLACS0330-0020 ^b	0.91	0.81	113.2	4.0	—	—	17.99	16.5	18.84	16.5

Note. — ^aThe fainter lens. ^bThe brighter lens.

Table 2. Lens Model Parameters

Lens Name	R_{Ein} (arcsec)	q	pa (deg)
SL2SJ135949+553550 ^a	1.14	0.60	14.70
SLACS0330-0020 ^b	1.1	0.81	113.2

Note. — ^aThe fainter lens. ^bThe brighter lens.

Table 3. Telescope Properties

Telescope	Filter	Zero Point (1s)	Readout (1s)	Background(1s)	Pixel Scale (arcsec)
HST	F814W	25.94	4.2	0.11	0.05
JWST	F200W	27.85	9.0	0.20	0.032
Keck	NIRC2/K	28.04	5.75	25.94	0.01
NGAO	K	28.04	5.75	25.94	0.01
TMT	IRIS	31.10	2.0	21.2	0.004
Euclid	VIS	25.58	4.5	0.43	0.1
WFIRST	F184	26.18	5.0	0.11	0.11
LSST	i	28.35	5.0	68.0	0.2