Table 1: DES-SN sample photometry.

SN nama	MJD	α	14	i	7
SN name	MDD	$rac{g}{ ext{mag}}$	$r \\ ext{mag}$	l mag	$\frac{z}{ ext{mag}}$
DES13C2jtx	56536.2	$(25.221) \pm (0.692)$	$(28.77) \pm (3.814)$		
DES13C2jtx	56543.2		$(26.941) \pm (1.42)$	$(26.738) \pm (1.595)$	
DES13C2jtx	56547.3	• • •	$(25.638) \pm (0.806)$	$(27.438) \pm (2.187)$	
DES13C2jtx	56551.2	$(26.517) \pm (2.441)$	•••	•••	
DES13C2jtx	56558.2	•••		$(24.188) \pm (0.362)$	
DES13C2jtx	56563.2	21.775 ± 0.023	22.155 ± 0.043	22.445 ± 0.066	22.653 ± 0.111
DES13C2jtx	56567.2	21.406 ± 0.016	21.554 ± 0.023	21.747 ± 0.034	21.786 ± 0.041
DES13C2jtx	56575.2	21.484 ± 0.015	21.488 ± 0.018	21.517 ± 0.023	21.674 ± 0.032
DES13C2jtx	56579.2	21.683 ± 0.039	21.641 ± 0.037	21.505 ± 0.034	21.774 ± 0.048
DES13C2jtx	56590.3	22.194 ± 0.077	21.733 ± 0.07	21.505 ± 0.061	21.729 ± 0.075
DES13C2jtx	56594.1	22.406 ± 0.066	21.834 ± 0.057	21.544 ± 0.057	21.781 ± 0.092
DES13C2jtx	56602.1	22.829 ± 0.042	21.968 ± 0.027	21.679 ± 0.028	21.944 ± 0.045
DES13C2jtx	56606.1	$(23.407) \pm (0.36)$	22.262 ± 0.146	22.115 ± 0.155	22.136 ± 0.192
DES13C2jtx	56609.1	23.173 ± 0.184	22.004 ± 0.057	21.699 ± 0.042	21.878 ± 0.057
DES13C2jtx	56615.0	$(23.332) \pm (0.478)$	22.436 ± 0.124	22.072 ± 0.116	22.228 ± 0.257
DES13C2jtx	56625.2	• • •	22.442 ± 0.038	• • •	
DES13C2jtx	56628.1	23.98 ± 0.151	22.437 ± 0.051	21.994 ± 0.045	22.117 ± 0.064
${ m DES13C2jtx}$	56635.1	24.069 ± 0.193	22.654 ± 0.066	22.103 ± 0.055	22.219 ± 0.089
DES13C2jtx	56645.1	$(24.638) \pm (0.472)$	22.648 ± 0.09	22.198 ± 0.063	22.368 ± 0.076
DES13C2jtx	56649.1	$(25.097) \pm (0.479)$	22.832 ± 0.082	• • •	• • •
DES13C2jtx	56649.2	•••	• • •	22.377 ± 0.072	22.448 ± 0.105
DES13C2jtx	56653.2	$(25.929) \pm (0.86)$	23.333 ± 0.168	22.692 ± 0.144	22.534 ± 0.181
DES13C2jtx	56660.1	24.986 ± 0.273	23.579 ± 0.111	22.84 ± 0.08	23.235 ± 0.166
DES13C2jtx	56667.1	$(25.224) \pm (0.671)$	$(24.73) \pm (0.489)$	23.28 ± 0.171	23.376 ± 0.209
DES13C2jtx	56675.1	···	$(24.455) \pm (0.493)$	23.268 ± 0.197	23.392 ± 0.221
DES13C2jtx	56681.1	$(27.449) \pm (1.551)$	$(24.685) \pm (0.323)$	23.513 ± 0.169	$(24.278) \pm (0.415)$
DES13C2jtx	56685.2	$(24.908) \pm (0.455)$	$(24.514) \pm (0.456)$	$(23.854) \pm (0.388)$	• • • •
DES13C2jtx	56692.0	$(25.527) \pm (0.481)$	24.342 ± 0.236		(2.4.22=) (2.22=)
DES13C2jtx	56692.1	(25 212) (1 242)	• • •	23.934 ± 0.217	$(24.227) \pm (0.335)$
DES13C2jtx	56698.0	$(25.619) \pm (1.049)$	(00,001) . (1,010)	00 500 . 0 015	(0.4.700) . (0.000)
DES13C2jtx	56698.1	•••	$(26.001) \pm (1.213)$	23.538 ± 0.215	$(24.763) \pm (0.636)$
DES13C3ui	56538.3	10 440 . 0 000	•••	19.423 ± 0.003	19.545 ± 0.004
DES13C3ui	56543.2	19.448 ± 0.003	•••	•••	10 550 . 0 000
DES13C3ui	56544.3	• • •	19.488 ± 0.002	10 545 + 0 002	19.572 ± 0.006
DES13C3ui	56545.2	10.655 . 0.000		19.545 ± 0.003	
DES13C3ui	56547.3	19.655 ± 0.003	• • •	•••	19.708 ± 0.003
DES13C3ui DES13C3ui	56548.3	•••	• • •	19.747 ± 0.007	19.708 ± 0.003
DES13C3ui	56552.4	• • •	10.602 + 0.002	19.747 ± 0.007	
	56558.2 56558.4	•••	19.692 ± 0.003	19.766 ± 0.004	19.838 ± 0.004
DES13C3ui DES13C3ui	56559.2	20.184 ± 0.009	• • •	19.700 ± 0.004	• • •
DES13C3ui	56559.2	20.104 ± 0.009		19.783 ± 0.003	
DES13C3ui	56563.3	20.367 ± 0.006		19.705 ± 0.005	19.924 ± 0.004
DES13C3ui	56564.2	20.507 ± 0.000	•••	19.85 ± 0.003	13.324 ± 0.004
DES13C3ui	56564.3		19.835 ± 0.003	13.00 ± 0.003	•••
DES13C3ui	56567.2	20.503 ± 0.006	13.030 ± 0.003	•••	
DES13C3ui	56567.3	20.505 ± 0.000			19.972 ± 0.004
DES13C3ui	56568.2			19.913 ± 0.003	
DES13C3ui	56568.3		19.873 ± 0.003	13.313 ± 0.003	
DES13C3ui	56575.2	20.689 ± 0.006			20.052 ± 0.003
DES13C3ui	56575.4	20.003 ± 0.000		19.972 ± 0.005	20.002 ± 0.000
DES13C3ui	56576.1			19.972 ± 0.000 19.973 ± 0.003	
DES13C3ui	56576.2		19.955 ± 0.003		
DES13C3ui	56579.2	20.75 ± 0.011			20.065 ± 0.004
DES13C3ui	56579.3		19.957 ± 0.003	19.988 ± 0.003	
DES13C3ui	56590.4	21.004 ± 0.092			
DES13C3ui	56591.2				20.139 ± 0.005
DES13C3ui	56591.3		20.036 ± 0.003	20.051 ± 0.004	•••
DES13C3ui	56591.3	• • •	20.036 ± 0.003	20.051 ± 0.004	• • •

C'NT	MID			:	
SN name	MJD	g mag	r mag	i mag	Z mag
DES13C3ui	56595.1	$\frac{\text{mag}}{21.048 \pm 0.011}$	mag	mag	$\frac{\text{mag}}{20.114 \pm 0.018}$
DES13C3ui DES13C3ui	56595.1	21.048 ± 0.011	20.142 ± 0.032	20.064 ± 0.04	20.114 ± 0.018
DES13C3ui	56602.1	21.368 ± 0.008	20.142 ± 0.032	20.004 ± 0.04	•••
DES13C3ui	56602.2	21.300 ± 0.000	•••	•••	20.288 ± 0.005
DES13C3ui	56602.3	• • •	20.261 ± 0.004	20.21 ± 0.004	20.200 ± 0.000
DES13C3ui	56607.1	21.908 ± 0.052	20.201 ± 0.004	20.21 ± 0.004	•••
DES13C3ui	56607.1	21.300 ± 0.002			20.45 ± 0.009
DES13C3ui	56607.3		20.51 ± 0.005	20.415 ± 0.005	20.10 ± 0.000
DES13C3ui	56611.2		20.01 ± 0.000	20.410 ± 0.000	20.682 ± 0.009
DES13C3ui	56611.3		20.75 ± 0.01	20.66 ± 0.01	20.002 ± 0.003
DES13C3ui	56615.2		20.10 ± 0.01	20.925 ± 0.012	20.935 ± 0.015
DES13C3ui	56615.3		20.996 ± 0.014		20.000 ± 0.010
DES13C3ui	56617.0	22.614 ± 0.028	20.000 ± 0.011		•••
DES13C3ui	56625.2	22.927 ± 0.031			21.188 ± 0.01
DES13C3ui	56625.3			21.243 ± 0.01	
DES13C3ui	56627.1		21.332 ± 0.007		
DES13C3ui	56629.1	22.942 ± 0.047		21.353 ± 0.024	21.28 ± 0.017
DES13C3ui	56635.2		21.409 ± 0.009		
DES13C3ui	56635.3	22.91 ± 0.058	•••		
DES13C3ui	56636.1			21.38 ± 0.011	21.317 ± 0.011
DES13C3ui	56641.1				21.371 ± 0.015
DES13C3ui	56645.1			21.501 ± 0.014	• • •
DES13C3ui	56646.1	23.085 ± 0.053			
DES13C3ui	56648.1				21.501 ± 0.013
DES13C3ui	56648.2		21.498 ± 0.012		
DES13C3ui	56649.2			21.575 ± 0.014	
DES13C3ui	56653.1	23.346 ± 0.08	• • •	• • •	
DES13C3ui	56653.2	• • •	• • •	•••	21.597 ± 0.025
DES13C3ui	56655.1	• • •	21.557 ± 0.008	• • •	
DES13C3ui	56656.1	• • •	• • •	21.637 ± 0.009	•••
DES13C3ui	56660.1	23.203 ± 0.037	• • •	•••	21.614 ± 0.016
DES13C3ui	56661.2	• • •	• • • •	21.732 ± 0.018	• • •
DES13C3ui	56662.1	• • •	21.612 ± 0.008	• • •	• • •
DES13C3ui	56667.1	23.156 ± 0.104	•••	•••	• • •
DES13C3ui	56667.2	• • •	•••	•••	21.664 ± 0.026
DES13C3ui	56668.0	• • •	• • •	•••	21.665 ± 0.014
DES13C3ui	56668.1	• • •	• • •	21.862 ± 0.02	• • •
DES13C3ui	56668.2	• • •	21.621 ± 0.02	•••	•••
DES13C3ui	56675.1	• • •	•••		21.863 ± 0.031
DES13C3ui	56675.2	•••	21.753 ± 0.042	21.916 ± 0.033	• • •
DES13C3ui	56676.1	23.495 ± 0.159	•••	•••	
DES13C3ui	56682.1	•••	•••		21.959 ± 0.025
DES13C3ui	56682.2	00 501 . 0 000	• • •	22.007 ± 0.021	•••
DES13C3ui	56683.1	23.501 ± 0.062	• • •	•••	• • •
DES13C3ui	56687.1	23.606 ± 0.125	• • •	• • •	21 007 + 0 020
DES13C3ui	56688.1	•••	•••	00 110 + 0 015	21.907 ± 0.029
DES13C3ui	56690.1 56694.0	22 62 + 0 002	•••	22.112 ± 0.015	•••
DES13C3ui DES13C3ui	56695.0	23.68 ± 0.093	•••		22.042 ± 0.023
DES13C3ui	56697.1			22.279 ± 0.029	22.042 ± 0.023
DES13C3ui DES13X3fca	56536.2	$(26.769) \pm (0.966)$	•••	22.219 ± 0.029	•••
DES13X3fca	56537.3	$(20.709) \pm (0.900)$	•••	•••	$(30.626) \pm (4.497)$
DES13X3fca	56538.3	•••	$(27.322) \pm (1.368)$		(30.020) ± (4.491)
DES13X3fca	56545.2		$(27.322) \pm (1.308)$ 24.409 ± 0.144		
DES13X3fca	56545.2 56547.3	21.601 ± 0.015	24.409 ± 0.144		22.302 ± 0.032
DES13X3fca	56547.4	21.001 ± 0.015	•••	21.994 ± 0.02	22.302 ± 0.032
DES13X3fca	56552.2		•••	21.994 ± 0.02	21.824 ± 0.042
DES13X3fca	56558.3	•••	•••		21.718 ± 0.042
DES13X3fca	56559.2			21.489 ± 0.019	21.710 ± 0.020
DES13X3fca	56559.3		21.527 ± 0.015		
	55555.0		_1.02, _ 0.010		

SN name	MJD	g mag	r mag	i mag	z mag
DES13X3fca	56563.2	21.621 ± 0.013			ınag
DES13X3fca	56563.3	21.021 ± 0.010			21.709 ± 0.02
DES13X3fca	56564.3		21.532 ± 0.011	21.425 ± 0.009	
DES13X3fca	56567.2	21.732 ± 0.012	21.002 ± 0.011	21.420 ± 0.003	
DES13X3fca	56568.1	21.702 ± 0.012			21.609 ± 0.017
DES13X3fca	56568.2			21.401 ± 0.009	21.003 ± 0.011
DES13X3fca	56568.3		21.526 ± 0.009	21.101 ± 0.005	
DES13X3fca	56575.2	21.999 ± 0.013			
DES13X3fca	56575.3	21.000 ± 0.010			21.574 ± 0.016
DES13X3fca	56576.1			21.362 ± 0.009	21.074 ± 0.010
DES13X3fca	56576.2		21.534 ± 0.01	21.502 ± 0.005	
DES13X3fca	56579.2	22.114 ± 0.032	21.004 ± 0.01		
DES13X3fca	56579.3	22.114 ± 0.032			21.514 ± 0.016
DES13X3fca	56580.1	•••		21.361 ± 0.013	21.514 ± 0.010
DES13X3fca	56580.1 56580.2	•••		21.301 ± 0.013	
			21.558 ± 0.018		
DES13X3fca	56591.2	22.316 ± 0.023	•••	•••	01 474 . 0 015
DES13X3fca	56591.3	• • •	01.004 . 0.015	01.000 . 0.014	21.474 ± 0.017
DES13X3fca	56592.1		21.634 ± 0.015	21.292 ± 0.014	• • •
DES13X3fca	56595.1	22.364 ± 0.039	•••	•••	
DES13X3fca	56595.2	•••	•••	•••	21.515 ± 0.072
DES13X3fca	56602.1	22.494 ± 0.021	• • •	•••	• • •
DES13X3fca	56602.2	• • •	• • •	•••	21.417 ± 0.013
DES13X3fca	56602.3	• • •	• • •	21.247 ± 0.01	• • •
DES13X3fca	56603.1	• • •	21.613 ± 0.012	• • •	
DES13X3fca	56607.2	22.513 ± 0.066	• • • •	• • •	
DES13X3fca	56608.1	• • •	• • •	•••	21.42 ± 0.015
DES13X3fca	56608.2	• • •	• • •	21.278 ± 0.012	• • •
DES13X3fca	56615.1		• • •	• • •	21.465 ± 0.026
DES13X3fca	56615.2			21.332 ± 0.02	
DES13X3fca	56616.1		21.586 ± 0.052		
DES13X3fca	56617.0	22.622 ± 0.028			
DES13X3fca	56627.1	22.725 ± 0.025		21.325 ± 0.008	21.451 ± 0.01
DES13X3fca	56627.2		21.664 ± 0.009		
DES13X3fca	56635.1	22.747 ± 0.052			
DES13X3fca	56635.2				21.514 ± 0.021
DES13X3fca	56636.1			21.386 ± 0.011	
DES13X3fca	56636.2	• • •	21.755 ± 0.014		
DES13X3fca	56640.1	•••			21.545 ± 0.02
DES13X3fca	56646.1	23.09 ± 0.053	21.874 ± 0.021	21.537 ± 0.01	21.010 ± 0.02
DES13X3fca	56647.0	29.00 ± 0.000	21.074 ± 0.021	21.007 ± 0.01	21.664 ± 0.013
DES13X3fca	56653.1	23.333 ± 0.06	•••	21.71 ± 0.017	21.004 ± 0.01
DES13X3fca	56654.0	23.333 ± 0.00	•••	21.71 ± 0.017	21.781 ± 0.010
DES13X3fca	56654.1	•••	22.099 ± 0.012		21.701 ± 0.010
			22.099 ± 0.012	•••	
DES13X3fca	56661.0	23.809 ± 0.113			
DES13X3fca	56661.1	•••	00.516 . 0.00	21.991 ± 0.021	22.039 ± 0.03
DES13X3fca	56662.0	• • •	22.516 ± 0.02	•••	00 570 . 0 044
DES13X3fca	56668.1	• • •	20.100 . 0.055		22.573 ± 0.043
DES13X3fca	56669.1	(0.4.5.45) (0.000)	23.192 ± 0.077	22.608 ± 0.038	• • •
DES13X3fca	56676.1	$(24.547) \pm (0.389)$	23.83 ± 0.189	•••	
DES13X3fca	56677.1		• • •	•••	22.98 ± 0.07
DES13X3fca	56683.1	$(25.603) \pm (0.425)$	•••	23.252 ± 0.094	
DES13X3fca	56684.0	• • •	• • •	• • •	23.125 ± 0.152
DES13X3fca	56685.0	• • •	• • •	23.352 ± 0.063	• • •
DES13X3fca	56685.1	• • •	23.953 ± 0.085	•••	• • •
DES13X3fca	56690.1	24.84 ± 0.225	• • •	•••	• • •
DES13X3fca	56692.1	•••	• • •	23.218 ± 0.057	• • •
DES13X3fca	56693.1	• • •	24.128 ± 0.148	•••	• • •
DES13X3fca	56696.0				23.367 ± 0.105
		(05 071) . (0 701)			
DES13X3fca	56697.1	$(25.071) \pm (0.701)$	• • •	• • •	• • •

SN name	MJD	g	r	i	z
		mag	mag	mag	mag
DES14C3aol	56903.2	•••	21.707 ± 0.02	• • •	•••
DES14C3aol	56903.3	•••	•••	21.794 ± 0.031	•••
DES14C3aol	56912.3	•••	21.571 ± 0.018	21.622 ± 0.021	21.747 ± 0.024
DES14C3aol	56915.2	21.828 ± 0.032	•••	•••	•••
DES14C3aol	56916.2	21.922 ± 0.051			
DES14C3aol	56920.2	22.06 ± 0.022	21.545 ± 0.011	21.496 ± 0.013	21.615 ± 0.015
DES14C3aol	56925.2	22.207 ± 0.024	•••	•••	•••
DES14C3aol	56925.3	• • •	21.545 ± 0.012	21.439 ± 0.011	•••
DES14C3aol	56927.2	•••	•••		21.575 ± 0.02
DES14C3aol	56932.2	22.398 ± 0.066	21.51 ± 0.019	21.407 ± 0.013	•••
DES14C3aol	56933.2	•••	•••	•••	21.407 ± 0.062
DES14C3aol	56935.3	• • •		•••	21.692 ± 0.059
DES14C3aol	56936.2		21.567 ± 0.021		•••
DES14C3aol	56936.3	22.446 ± 0.069	• • •	21.445 ± 0.019	
DES14C3aol	56943.1		•••	•••	21.473 ± 0.018
DES14C3aol	56943.3	22.642 ± 0.057		•••	•••
DES14C3aol	56943.4	• • •	21.549 ± 0.014		• • • •
DES14C3aol	56944.1	• • • •	• • •	21.419 ± 0.015	• • • •
DES14C3aol	56949.4			21.38 ± 0.009	• • •
DES14C3aol	56950.1	22.756 ± 0.053	21.606 ± 0.015	•••	
DES14C3aol	56956.2	•••	• • •		21.522 ± 0.015
DES14C3aol	56956.3			21.39 ± 0.016	•••
DES14C3aol	56957.1	22.87 ± 0.069	21.58 ± 0.015		•••
DES14C3aol	56960.3	• • •	•••	21.444 ± 0.023	
DES14C3aol	56961.3			•••	21.523 ± 0.025
DES14C3aol	56963.3	22.919 ± 0.136	21.754 ± 0.058		•••
DES14C3aol	56966.1	•••	•••	21.459 ± 0.023	01 50 . 0 004
DES14C3aol	56966.2		•••	•••	21.56 ± 0.024
DES14C3aol	56973.1	23.108 ± 0.042	01.74 . 0.010	01 551 . 0 010	•••
DES14C3aol	56973.2	• • •	21.74 ± 0.012	21.551 ± 0.012	01.015 . 0.015
DES14C3aol	56973.3	00.00 . 0.000	01 019 . 0 010	01 000 . 0 011	21.615 ± 0.015
DES14C3aol	56980.2	23.32 ± 0.038	21.913 ± 0.012	21.663 ± 0.011	01 707 . 0 016
DES14C3aol	56980.3		•••	01 000 . 0 014	21.727 ± 0.016
DES14C3aol	56987.2	23.556 ± 0.058	• • •	21.882 ± 0.014	01.050 . 0.004
DES14C3aol	56987.3	00.66 . 0.000			21.952 ± 0.024
DES14C3aol	56990.2	23.66 ± 0.088	22.253 ± 0.024	22.006 ± 0.044	01 000 . 0 07
DES14C3aol	56990.3	•••	• • •	•••	21.839 ± 0.07
DES14C3aol	56992.1	04.994 . 0.900			22.157 ± 0.034
DES14C3aol	57001.2	24.334 ± 0.209	22.723 ± 0.049	22.898 ± 0.042	22.872 ± 0.086
DES14C3aol	57005.2	$(25.288) \pm (0.488)$	23.604 ± 0.081		• • •
DES14C3aol	57008.0	• • •	•••	23.422 ± 0.07	
DES14C3aol	57008.1		02 055 + 0.10	22.07 + 0.021	23.218 ± 0.083 23.357 ± 0.161
DES14C3aol	57012.2	$(26.935) \pm (1.548)$	23.855 ± 0.18	22.97 ± 0.081	23.337 ± 0.101
DES14C3aol DES14C3aol	57018.2 57010.1	24.78 ± 0.295	23.951 ± 0.128	23.215 ± 0.084	23.221 ± 0.095
DES14C3aol	57019.1 57025.1	•••	23.65 ± 0.128		23.221 ± 0.095
DES14C3aol	57025.1 57025.2	•••	25.05 ± 0.126	23.631 ± 0.119	
DES14C3aol	57025.2	•••	•••	25.051 ± 0.119	23.45 ± 0.113
DES14C3aol		24.371 ± 0.311			23.45 ± 0.115
DES14C3aol	57029.1 57032.1	24.571 ± 0.511	23.923 ± 0.108	23.482 ± 0.084	•••
DES14C3aol	57032.1 57033.1	•••	23.923 ± 0.106	23.462 ± 0.064	23.479 ± 0.098
DES14C3aol	57033.1	$(25.517) \pm (0.495)$	•••	•••	25.479 ± 0.098
DES14C3aol	57034.2	$(25.517) \pm (0.495)$	23.803 ± 0.073	23.412 ± 0.074	•••
DES14C3aol	57039.1	•••	23.603 ± 0.073	23.412 ± 0.074	23.43 ± 0.07
DES14C3aol	57040.1	25.244 ± 0.219	•••	•••	25.45 ± 0.07
DES14C3aol	57041.1 57044.1	25.244 ± 0.219	23.623 ± 0.075	23.503 ± 0.093	•••
DES14C3aol	57044.1	•••	23.023 ± 0.073	25.505 ± 0.095	23.381 ± 0.079
DES14C3aol	57047.0	$(25.124) \pm (0.398)$			23.301 ± 0.079
DES14C3aol	57048.0	$(20.124) \pm (0.398)$	23.964 ± 0.108	23.602 ± 0.092	
DES14C3aol	57053.0	•••	20.304 ± 0.100	25.002 ± 0.032	23.779 ± 0.154
PEDITORUI	91009.0				20.110 ± 0.104

CN	MJD	~			
SN name	MJD	g	r	i maa m	Z maa m
DES14C3aol	57061.0	mag	mag	mag	mag
DES14C3aol	57061.0	•••	$(23.568) \pm (0.376)$	23.517 ± 0.136	23.708 ± 0.149
DES14C3aol	57061.1	25.178 ± 0.275	•••	25.517 ± 0.150	25.700 ± 0.149
		25.178 ± 0.275			•••
DES14C3aol	57066.1	•••	24.264 ± 0.172	• • •	24.134 ± 0.244
DES14C3aol	57067.0		•••		
DES14C3nm	56885.3	23.07 ± 0.11		22.229 ± 0.019	22.15 ± 0.023
DES14C3nm	56885.4		22.606 ± 0.03		
DES14C3nm	56888.3	23.066 ± 0.045	00.00 . 0.00	•••	•••
DES14C3nm	56903.2		23.62 ± 0.095		•••
DES14C3nm	56903.3	• • •		22.716 ± 0.064	99 905 + 0 005
DES14C3nm	56912.3	(04.017) . (0.404)	23.663 ± 0.113	22.981 ± 0.052	22.895 ± 0.065
DES14C3nm	56915.2	$(24.817) \pm (0.404)$		•••	
DES14C3nm	56916.2	23.875 ± 0.275			
DES14C3nm	56920.2	24.552 ± 0.162	24.291 ± 0.096	23.294 ± 0.045	23.04 ± 0.046
DES14C3nm	56925.2	24.588 ± 0.155	07.017 . 0.004	00.455 . 0.050	•••
DES14C3nm	56925.3	•••	25.217 ± 0.234	23.455 ± 0.053	00.004
DES14C3nm	56927.2	(00.7) . (1.504)	(07,000) . (0,07)		23.326 ± 0.091
DES14C3nm	56932.2	$(26.7) \pm (1.584)$	$(25.008) \pm (0.35)$	23.771 ± 0.088	(00.400) . (0.054)
DES14C3nm	56933.2	• • •	•••	• • •	$(23.426) \pm (0.354)$
DES14C3nm	56935.3	•••	(05 001) . (0 554)	•••	23.402 ± 0.238
DES14C3nm	56936.2	• • •	$(25.981) \pm (0.774)$	00.004 . 0.16	•••
DES14C3nm	56936.3	• • •	•••	23.994 ± 0.16	00 505 . 0 100
DES14C3nm	56943.1	(24 = 12) (2.222)	• • •	•••	23.795 ± 0.132
DES14C3nm	56943.3	$(24.716) \pm (0.338)$	(0, 001) (1, 1, 1)	•••	•••
DES14C3nm	56943.4	• • •	$(27.021) \pm (1.14)$		•••
DES14C3nm	56944.1	•••	•••	24.388 ± 0.19	•••
DES14C3nm	56949.4	(25, 624) (25, 65)	•••	24.168 ± 0.096	•••
DES14C3nm	56950.1	$(25.684) \pm (0.535)$	• • •	•••	
DES14C3nm	56956.2	•••	• • •	04.074 . 0.105	23.905 ± 0.11
DES14C3nm	56956.3	(00.051) . (1.000)	• • •	24.074 ± 0.135	•••
DES14C3nm	56957.1	$(26.851) \pm (1.229)$	• • •	(05.050) . (0.401)	•••
DES14C3nm	56960.3	•••	•••	$(25.056) \pm (0.421)$	04.016 - 0.100
DES14C3nm	56961.3	(00.005) . (1.015)	• • •	•••	24.016 ± 0.192
DES14C3nm	56963.3	$(26.395) \pm (1.615)$	• • •	(25,000) . (0,000)	•••
DES14C3nm	56966.1	•••	• • •	$(25.388) \pm (0.636)$	
DES14C3nm	56966.2	(27 000) (0.001)	• • •	•••	23.773 ± 0.17
DES14C3nm	56973.1	$(25.896) \pm (0.391)$	•••		•••
DES14C3nm	56973.2	• • •	• • •	24.653 ± 0.161	
DES14C3nm	56973.3	(20.150) (0.050)	• • •		24.302 ± 0.153
DES14C3nm	56980.2	$(26.178) \pm (0.359)$	• • •	24.853 ± 0.169	
DES14C3nm	56980.3	(07 000) (0 010)	• • •		24.526 ± 0.178
DES14C3nm	56987.2	$(25.699) \pm (0.313)$	• • •	24.836 ± 0.161	
DES14C3nm	56987.3	(27 660) (0.006)	•••	(24 822) (2.412)	24.394 ± 0.181
DES14C3nm	56990.2	$(25.669) \pm (0.396)$	•••	$(24.568) \pm (0.419)$	(24.00) (2.042)
DES14C3nm	56990.3	• • •	•••	•••	$(24.99) \pm (0.843)$
DES14C3nm	56992.1	•••	•••		23.993 ± 0.159
DES14C3nm	57001.2	(2-2-) (2-22)	• • •	25.087 ± 0.26	$(24.568) \pm (0.315)$
DES14C3nm	57005.2	$(27.857) \pm (2.023)$	•••	0, 100 . 0.000	•••
DES14C3nm	57008.0	• • •	•••	25.126 ± 0.262	
DES14C3nm	57008.1	(07 400) (0 770)	•••	(27 721) (1 227)	24.714 ± 0.255
DES14C3nm	57012.2	$(25.466) \pm (0.559)$	•••	$(27.731) \pm (1.807)$	$(25.417) \pm (0.686)$
DES14C3nm	57018.2	$(26.839) \pm (1.071)$	•••	24.894 ± 0.311	(27 100) (0.000)
DES14C3nm	57019.1	•••	•••	(27.04) (2.002)	$(25.108) \pm (0.369)$
DES14C3nm	57025.2	• • •	• • •	$(25.04) \pm (0.382)$	•••
DES14C3nm	57026.0		•••	• • •	24.489 ± 0.246
DES14C3nm	57029.1	$(25.064) \pm (0.538)$	•••		•••
DES14C3nm	57032.1	•••	•••	$(25.706) \pm (0.464)$	•••
DES14C3nm	57033.1		• • •	• • •	24.465 ± 0.214
DES14C3nm	57034.2	$(26.555) \pm (0.943)$	•••	(27 222) (2 422)	•••
DES14C3nm	57039.1	•••	•••	$(25.832) \pm (0.486)$	•••

CN nama	MJD			2	
SN name	MJD	g	r	i mag	Z mag
DES14C3nm	57040.1	mag	mag	mag	$\frac{\text{mag}}{24.537 \pm 0.167}$
DES14C3nm	57040.1	$(28.298) \pm (1.469)$		•••	24.001 ± 0.101
DES14C3nm	57044.1	(20.200) ± (1.100)		$(25.252) \pm (0.338)$	
DES14C3nm	57047.0			(20.202) ± (0.000)	$(25.859) \pm (0.571)$
DES14C3nm	57048.0	$(25.842) \pm (0.702)$			(20.000) = (0.011)
DES14C3nm	57051.1			$(25.312) \pm (0.371)$	
DES14C3nm	57053.0			•••	$(24.767) \pm (0.326)$
DES14C3nm	57061.1			$(24.938) \pm (0.452)$	$(25.873) \pm (0.759)$
DES14C3nm	57067.0	• • •	•••	•••	$(26.157) \pm (0.986)$
DES14C3rhw	56933.2				$(24.862) \pm (1.006)$
DES14C3rhw	56935.3	• • •	• • •	• • •	$(25.193) \pm (0.901)$
DES14C3rhw	56936.3	$(26.86) \pm (1.719)$	• • •	$(26.172) \pm (0.856)$	
DES14C3rhw	56943.1	• • •	• • •	• • •	$(25.69) \pm (0.611)$
DES14C3rhw	56943.3	$(27.405) \pm (1.795)$	•••	• • •	• • •
DES14C3rhw	56943.4	• • •	$(28.347) \pm (2.155)$	• • •	• • •
DES14C3rhw	56949.4	• • •	• • •	$(26.274) \pm (0.547)$	• • •
DES14C3rhw	56950.1	• • •	$(26.316) \pm (0.652)$		• • •
DES14C3rhw	56956.2	• • •	•••	• • •	$(28.498) \pm (2.318)$
DES14C3rhw	56961.3	• • •	• • •	• • •	$(26.125) \pm (0.942)$
DES14C3rhw	56963.3	$(25.02) \pm (0.708)$	• • •	• • •	
DES14C3rhw	56966.2	•••	•••	•••	$(26.554) \pm (1.25)$
DES14C3rhw	56973.1	$(26.075) \pm (0.433)$	(2= 22) (4 422)	(22.222) (2.722)	• • •
DES14C3rhw	56973.2	(27.22) (2.241)	$(27.88) \pm (1.403)$	$(29.086) \pm (2.568)$	• • •
DES14C3rhw	56980.2	$(27.32) \pm (0.811)$	• • •	• • •	• • •
DES14C3rhw	56987.2	$(26.904) \pm (0.745)$	•••	• • •	(05 050) . (0 505)
DES14C3rhw	56987.3	•••	• • •	• • •	$(25.852) \pm (0.585)$
DES14C3rhw	56990.3	•••	(20 404) + (2 060)	•••	$(26.362) \pm (1.798)$
DES14C3rhw DES14C3rhw	57001.2	24 707 + 0 202	$(28.484) \pm (2.068)$	• • • •	•••
DES14C3rhw	57005.2 57008.0	24.707 ± 0.282	24.555 ± 0.157	24.662 ± 0.185	•••
DES14C3rhw	57008.0	•••	•••	24.002 ± 0.160	24.535 ± 0.227
DES14C3rhw	57012.2	24.474 ± 0.266	24.152 ± 0.204	24.156 ± 0.161	$(24.586) \pm (0.384)$
DES14C3rhw	57018.2	23.764 ± 0.099	23.71 ± 0.08	23.928 ± 0.141	(24.900) ± (0.904)
DES14C3rhw	57019.1	20.104 ± 0.000	25.71 ± 0.00	20.020 ± 0.141	23.645 ± 0.112
DES14C3rhw	57025.1		23.601 ± 0.125		20.010 ± 0.112
DES14C3rhw	57025.2			23.621 ± 0.118	
DES14C3rhw	57026.0				23.553 ± 0.115
DES14C3rhw	57029.1	23.613 ± 0.166			
DES14C3rhw	57032.1		23.526 ± 0.063	23.492 ± 0.076	
DES14C3rhw	57033.1	• • •	•••		23.254 ± 0.079
DES14C3rhw	57034.2	23.594 ± 0.1	•••		• • •
DES14C3rhw	57039.1		23.329 ± 0.04	23.387 ± 0.064	
DES14C3rhw	57040.1	• • •	• • •	• • •	23.356 ± 0.062
DES14C3rhw	57041.1	23.48 ± 0.04	• • •	• • •	
DES14C3rhw	57044.1	•••	23.325 ± 0.043	23.386 ± 0.072	• • •
DES14C3rhw	57047.0	•••	•••		23.336 ± 0.073
DES14C3rhw	57048.0	23.435 ± 0.098	• • •		• • •
DES14C3rhw	57051.1	• • •	23.236 ± 0.058	23.459 ± 0.08	• • •
DES14C3rhw	57053.0	• • •	• • •	• • •	23.366 ± 0.101
DES14C3rhw	57061.0	• • •	23.936 ± 0.272	• • •	• • •
DES14C3rhw	57061.1	•••	• • •	23.511 ± 0.136	23.256 ± 0.101
DES14C3rhw	57063.0	24.179 ± 0.106		•••	•••
DES14C3rhw	57066.1	• • •	23.842 ± 0.102	•••	
DES14C3rhw	57067.0	• • •	• • •	•••	23.218 ± 0.105
DES14C3tsg	56956.2	• • •	(96 499) + (0 719)	•••	$(25.268) \pm (0.523)$
DES14C3tsg	56957.1	• • •	$(26.438) \pm (0.713)$	•••	(26.075) + (0.000)
DES14C3tsg	56961.3			•••	$(26.075) \pm (0.909)$
DES14C3tsg DES14C3tsg	56963.3 56066.1	$(28.18) \pm (3.12)$	•••		• • •
DES14C3tsg DES14C3tsg	56966.1 56966.2	•••	•••	$(25.613) \pm (0.719)$	$(26.701) \pm (1.419)$
PEDIACORS	00000.4				(20.101) ± (1.419)

DESI4C3tsg 66978.2	CN mare	MID	~		2	
DESI4C3tsg 5698.2	SN name	MJD	g mag	r mag	l mag	Z mag
DES14C3sg	DES14C3tsg	56973.2				
DESI4C3teg 56980.3					, , , ,	
DESI4C3seg 56998.7 2 (28.132) ± (1.477) (26.683) ± (0.741)	_			, , , ,		(26.414) + (0.843)
DESI4C3tsg 56990.2 (26.945) ± (0.971) (28.662) ± (2.212) (25.217) ± (0.663)	_					, , ,
DESI4C3tsg 57001.2 (26.168) ± (0.836) (25.039) ± (0.4 (26.179) ± (0.829) (25.039) ± (0.4 (26.1797) ± (0.829) (25.319) ± (0.829) (25.179) ± (0.829) (25.319) ± (0.829) (25.183) ± (0.875) ± (0.87	_					
DESI4C3tsg 57008.0				, , , ,	, , , ,	
DESI4C3tsg 57008.0						, , ,
DES14C31sg 57008.1	_		, , , ,	(20.707) ± (0.020)		
DESI4C3tsg 57012.2	_				, , ,	
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DESI4C3tsg 57019.1				, , ,		
DESI4C3tsg 57025.1	_			, , ,	, , , ,	
DESI4C3tsg 57026.2	_					, , ,
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DESI4C3tsg						
DESI4C3tsg 57033.1 23.16 ± 0.044 22.943 ± 0.044 22.996 ± 0.06 DESI4C3tsg 57033.1 <t< td=""><td>_</td><td></td><td></td><td></td><td></td><td></td></t<>	_					
DESI4C3tsg 57034.1	_					
DES14C3tsg 57034.2 23.932 ± 0.121 22.73 ± 0.022 22.524 ± 0.029 DES14C3tsg 57040.1 22.702 ± 0.03 DES14C3tsg 57041.1 22.686 ± 0.024 22.424 ± 0.029 DES14C3tsg 57041.0						
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DES14C3tsg 57040.1	_					
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DES14C3tsg 57048.0 23.823 ± 0.136 22.697 ± 0.033 22.392 ± 0.028 DES14C3tsg 57051.1 22.697 ± 0.033 22.392 ± 0.028 DES14C3tsg 57061.0 23.147 ± 0.13 DES14C3tsg 57061.1 23.034 ± 0.096 22.907 ± 0.0° DES14C3tsg 57066.1 23.584 ± 0.079 DES14C3tsg 57067.0 23.584 ± 0.079 DES14E2ar 56887.2 23.776 ± 0.12 22.417 ± 0.044 22.141 ± 0.041 22.183 ± 0.0 DES14E2ar 56891.4 23.497 ± 0.106 22.395 ± 0.055 22.124 ± 0.11 DES14E2ar 56903.1 23.133 ± 0.181 22.002 ± 0.079 21.93 ± 0.095 21.867 ± 0.1 DES14E2ar 56916.1 23.093 ± 0.188 22.141 ± 0.169 22.054 ± 0.277 21.744 ± 0.1 DES14E2ar 56992.1 23.123 ± 0.071 22.083 ± 0.039 21.796 ± 0.0 DES14E2ar 56934.3 (23.834) ± 0.351 22.385 ± 0.123 22.254 ± 0.						
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$\begin{array}{cccccccccccccccccccccccccccccccccccc$						21.767 ± 0.036
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$\begin{array}{cccccccccccccccccccccccccccccccccccc$						21.87 ± 0.056
$\begin{array}{cccccccccccccccccccccccccccccccccccc$						21.998 ± 0.089
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		56956.0	24.218 ± 0.201	23.038 ± 0.084	22.535 ± 0.071	22.492 ± 0.08
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	DES14E2ar	56960.2		23.216 ± 0.103	22.713 ± 0.082	22.454 ± 0.083
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	DES14E2ar	56973.0		23.419 ± 0.111	22.813 ± 0.082	22.787 ± 0.095
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	DES14E2ar	56980.0		23.524 ± 0.122	22.917 ± 0.088	22.759 ± 0.088
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	DES14E2ar	56987.0	$(25.437) \pm (0.495)$	23.544 ± 0.122	22.874 ± 0.088	• • • •
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	DES14E2ar	56987.1	• • • •	• • • •	•••	22.948 ± 0.151
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	DES14E2ar	56990.0	$(25.126) \pm (1.796)$	• • •	•••	• • •
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	DES14E2ar	56990.1	• • •	•••	• • •	$(23.172) \pm (0.597)$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	DES14E2ar	56991.1	$(24.872) \pm (0.884)$	$(24.108) \pm (0.543)$	23.143 ± 0.31	22.728 ± 0.251
$\begin{array}{cccccccccccccccccccccccccccccccccccc$						
$\begin{array}{cccccccccccccccccccccccccccccccccccc$, , ,	23.661 ± 0.214	22.878 ± 0.123	22.899 ± 0.141
$\begin{array}{llllllllllllllllllllllllllllllllllll$			24.858 ± 0.303			23.118 ± 0.128
DES14E2ar 57017.1 \cdots 24.155 ± 0.244 23.315 ± 0.169 23.43 ± 0.22 DES14E2ar 57025.1 \cdots (23.711) ± (0.315) 23.416 ± 0.241 \cdots DES14E2ar 57030.1 (24.643) ± (0.607) 23.677 ± 0.243 23.073 ± 0.155 23.196 ± 0.16						23.185 ± 0.119
DES14E2ar 57025.1 \cdots (23.711) \pm (0.315) 23.416 \pm 0.241 \cdots DES14E2ar 57030.1 (24.643) \pm (0.607) 23.677 \pm 0.243 23.073 \pm 0.155 23.196 \pm 0.16			, , ,			23.43 ± 0.225
DES14E2ar 57030.1 (24.643) \pm (0.607) 23.677 \pm 0.243 23.073 \pm 0.155 23.196 \pm 0.16						
						23.196 ± 0.168
DESI4EZAL 3(05)(.1 (25.15) \pm (0.405) 24.120 \pm 0.210 25.201 \pm 0.147 23.578 \pm 0.23	DES14E2ar	57037.1	$(25.15) \pm (0.405)$	24.126 ± 0.216	23.261 ± 0.147	23.678 ± 0.255

SN name	MJD	g	r	i	z
SI, Hallie	1,1015	$_{ m mag}^{ m g}$	mag	$^{\iota}$	mag
DES14E2ar	57042.1	$(24.702) \pm (0.375)$	$(24.158) \pm (0.313)$	23.563 ± 0.238	23.285 ± 0.208
DES14E2ar	57049.0	$(24.139) \pm (0.358)$	$(24.612) \pm (0.493)$	23.697 ± 0.281	23.654 ± 0.291
DES14X1qt	56890.3	21.643 ± 0.031	•••	21.552 ± 0.043	21.695 ± 0.07
DES14X1qt	56894.3		22.264 ± 0.137	• • •	
DES14X1qt	56903.2	22.028 ± 0.059	21.65 ± 0.041	21.482 ± 0.041	21.668 ± 0.075
DES14X1qt	56915.2	22.627 ± 0.081	21.763 ± 0.048	21.557 ± 0.049	21.629 ± 0.062
DES14X1qt	56923.3	22.895 ± 0.121	22.019 ± 0.079	21.694 ± 0.062	21.785 ± 0.081
DES14X1qt	56924.2	22.818 ± 0.069	21.818 ± 0.039	21.538 ± 0.034	21.62 ± 0.04
DES14X1qt	56931.1	•••	21.965 ± 0.05	•••	• • •
DES14X1qt	56931.2	• • •	• • •	21.546 ± 0.041	21.619 ± 0.059
DES14X1qt	56934.4	• • •	22.507 ± 0.165	21.975 ± 0.123	22.15 ± 0.188
DES14X1qt	56936.3	23.118 ± 0.261	• • •	• • •	• • •
DES14X1qt	56936.4	•••	21.963 ± 0.092	21.835 ± 0.074	21.582 ± 0.07
DES14X1qt	56943.1	23.154 ± 0.089	21.96 ± 0.041	21.62 ± 0.041	21.701 ± 0.053
DES14X1qt	56949.1	23.208 ± 0.132	22.054 ± 0.062	21.604 ± 0.048	21.745 ± 0.071
DES14X1qt	56956.1	23.496 ± 0.112	22.024 ± 0.037	21.64 ± 0.033	21.605 ± 0.045
DES14X1qt	56960.2	23.526 ± 0.123	22.09 ± 0.043	21.708 ± 0.036	21.772 ± 0.049
DES14X1qt	56973.0	04.000 + 0.100	22.309 ± 0.064	21.786 ± 0.047	21.845 ± 0.057
DES14X1qt	56980.1	24.082 ± 0.169	22.449 ± 0.051	21.931 ± 0.045 $(22.556) \pm (0.345)$	21.837 ± 0.051
$\begin{array}{c} { m DES14X1qt} \\ { m DES14X1qt} \end{array}$	56986.2 56987.1	24.028 ± 0.194	$(22.452) \pm (0.535)$ 22.596 ± 0.071	$(22.030) \pm (0.545)$ 22.037 ± 0.054	22.094 ± 0.072
DES14X1qt DES14X1qt	56990.1	$(23.679) \pm (0.792)$	21.945 ± 0.225	22.037 ± 0.034 22.129 ± 0.117	$(22.271) \pm (0.553)$
DES14X1qt	57001.0	24.174 ± 0.226	21.340 ± 0.220	22.417 ± 0.067	22.373 ± 0.083
DES14X1qt	57005.0	$(24.655) \pm (0.489)$	23.244 ± 0.133	22.569 ± 0.086	22.692 ± 0.13
DES14X1qt	57012.0	$(24.695) \pm (0.465)$ $(26.432) \pm (1.696)$	$(23.777) \pm (0.408)$	$(23.424) \pm (0.377)$	$(23.672) \pm (0.474)$
DES14X1qt	57014.0	$(24.299) \pm (0.333)$	24.04 ± 0.301	23.06 ± 0.137	(20.012) ± (0.111)
DES14X1qt	57014.1				23.508 ± 0.236
DES14X1qt	57018.1	$(24.445) \pm (0.396)$	23.841 ± 0.247	23.398 ± 0.202	23.328 ± 0.221
DES14X1qt	57025.1	$(25.785) \pm (1.66)$		$(23.904) \pm (0.432)$	$(23.611) \pm (0.371)$
DES14X1qt	57030.1	•••	$(24.528) \pm (0.483)$	23.648 ± 0.246	23.101 ± 0.175
DES14X1qt	57037.1	$(24.92) \pm (0.361)$	$(24.894) \pm (0.428)$	23.21 ± 0.144	23.188 ± 0.181
DES14X1qt	57044.1	$(25.177) \pm (0.572)$	$(25.249) \pm (0.726)$	23.311 ± 0.212	23.595 ± 0.312
DES14X1qt	57051.1	• • •	$(24.357) \pm (0.448)$	23.317 ± 0.191	23.653 ± 0.278
DES14X2cy	56887.3	22.725 ± 0.092	22.031 ± 0.052	21.298 ± 0.034	21.622 ± 0.05
DES14X2cy	56891.4	22.777 ± 0.063	21.935 ± 0.037	21.266 ± 0.028	21.729 ± 0.055
DES14X2cy	56904.2	22.588 ± 0.145	22.031 ± 0.067	21.327 ± 0.036	21.685 ± 0.054
DES14X2cy	56915.3	22.776 ± 0.114	22.097 ± 0.065	21.305 ± 0.031	21.794 ± 0.054
DES14X2cy	56923.3	22.895 ± 0.104	22.079 ± 0.065	21.336 ± 0.039	22.003 ± 0.082
DES14X2cy	56924.2	22.885 ± 0.074	22.052 ± 0.048	21.347 ± 0.026	21.778 ± 0.042
DES14X2cy DES14X2cy	56931.2 56934.4	22.996 ± 0.133 23.234 ± 0.233	22.053 ± 0.062 22.202 ± 0.117	$21.347 \pm 0.035 21.592 \pm 0.088$	22.039 ± 0.074 22.562 ± 0.274
DES14X2cy DES14X2cy	56936.4	23.234 ± 0.233 23.072 ± 0.167	22.202 ± 0.117 22.159 ± 0.074	21.392 ± 0.008 21.398 ± 0.039	21.894 ± 0.062
DES14X2cy	56943.2	22.998 ± 0.142	22.134 ± 0.053	21.468 ± 0.029	21.034 ± 0.002
DESTIN2cy DES14X2cy	56943.3				22.002 ± 0.048
DES14X2cy	56949.1	23.073 ± 0.145	22.303 ± 0.13	21.71 ± 0.239	21.877 ± 0.116
DES14X2cv	56956.2	23.252 ± 0.11	22.209 ± 0.05	21.424 ± 0.033	22.023 ± 0.062
DES14X2cv	56960.2	23.139 ± 0.111	22.314 ± 0.073	21.459 ± 0.038	21.935 ± 0.082
DES14X2cy	56973.1	23.27 ± 0.095	22.386 ± 0.052	21.473 ± 0.029	22.214 ± 0.069
DES14X2cy	56980.1	23.468 ± 0.116	22.418 ± 0.053	21.541 ± 0.038	22.183 ± 0.075
DES14X2cy	56987.1	23.364 ± 0.11	22.517 ± 0.06	21.578 ± 0.033	22.386 ± 0.082
DES14X2cy	56990.1	$(24.074) \pm (0.752)$	21.988 ± 0.199	20.979 ± 0.235	22.303 ± 0.225
DES14X2cy	56991.1		23.055 ± 0.276	21.886 ± 0.118	22.534 ± 0.235
DES14X2cy	56992.1	23.315 ± 0.223	22.411 ± 0.088	21.618 ± 0.045	22.335 ± 0.089
DES14X2cy	57001.2	$(24.209) \pm (0.59)$	22.635 ± 0.132	21.653 ± 0.051	22.21 ± 0.102
DES14X2cy	57005.1	23.558 ± 0.173	22.714 ± 0.087	21.752 ± 0.059	22.375 ± 0.122
DES14X2cy	57012.1	$(24.015) \pm (0.371)$	22.767 ± 0.141	21.68 ± 0.064	22.405 ± 0.137
DES14X2cy	57014.1	24.139 ± 0.226	22.755 ± 0.077	21.749 ± 0.04	22.781 ± 0.16
DES14X2cy	57019.1 57026.1	$(24.176) \pm (0.413)$ $(23.425) \pm (0.367)$	22.613 ± 0.114 22.505 ± 0.136	21.739 ± 0.05	22.588 ± 0.119
DES14X2cy DES14X2cy	57026.1 57033.0	$(23.425) \pm (0.367)$ 23.615 ± 0.223	22.505 ± 0.136 22.699 ± 0.09	21.668 ± 0.056 21.778 ± 0.048	$22.53 \pm 0.112 22.584 \pm 0.111$
DED14A2Cy	91099.0	40.010 ± 0.440	44.033 ± 0.03	41.110 ± 0.040	44.004 I U.111

SN name	MJD	g	r	i	Z
DEGI IVO	** **********************************	mag	mag	mag	mag
DES14X2cy	57040.0	$(24.173) \pm (0.354)$			
DES14X2cy	57040.1	•••	22.852 ± 0.09	21.932 ± 0.049	22.697 ± 0.12
DES14X2cy	57045.0	24.032 ± 0.286	23.212 ± 0.159	•••	•••
DES14X2cy	57045.1	• • •	• • •	21.799 ± 0.071	22.693 ± 0.192
DES14X2cy	57052.0	$(24.154) \pm (0.521)$	23.029 ± 0.188	21.971 ± 0.064	22.717 ± 0.121
DES14X3ili	56890.3	$(27.334) \pm (2.011)$	•••	22.976 ± 0.052	• • •
DES14X3ili	56904.2	• • •	•••	•••	24.789 ± 0.288
DES14X3ili	56912.2		• • •		24.533 ± 0.294
DES14X3ili	56916.2	$(27.887) \pm (2.631)$	• • •		• • •
DES14X3ili	56916.3	•••			$(25.173) \pm (0.432)$
DES14X3ili	56924.2			$(26.275) \pm (0.587)$	25.159 ± 0.311
DES14X3ili	56925.2	$(26.126) \pm (0.562)$			
DES14X3ili	56931.2			$(27.63) \pm (1.379)$	
DES14X3ili	56931.3			(21.00) ± (1.010)	$(27.268) \pm (1.267)$
DES14X3ili	56943.2	$(25.514) \pm (0.598)$			(21.200) ± (1.201
DES14X3ili	56949.1	$(23.514) \pm (0.598)$ 22.265 ± 0.052	22.992 ± 0.082	•••	•••
		22.203 ± 0.032	22.992 ± 0.062		
DES14X3ili	56949.2			22.748 ± 0.036	22.538 ± 0.096
DES14X3ili	56956.2	22.43 ± 0.025	22.645 ± 0.029	22.879 ± 0.052	
DES14X3ili	56956.3		•••	•••	22.518 ± 0.043
DES14X3ili	56960.2	22.64 ± 0.049	•••	•••	•••
DES14X3ili	56960.3	• • •	22.913 ± 0.066	• • •	• • •
DES14X3ili	56961.2	•••	• • •	• • •	22.25 ± 0.06
DES14X3ili	56966.2	• • •	•••	• • •	22.491 ± 0.055
DES14X3ili	56973.1	22.991 ± 0.038	22.55 ± 0.022	22.205 ± 0.021	
DES14X3ili	56973.2				22.429 ± 0.03
DES14X3ili	56980.1	23.115 ± 0.041	22.477 ± 0.02	22.292 ± 0.021	22.381 ± 0.028
DES14X3ili	56987.1	23.356 ± 0.051	22.438 ± 0.02	22.252 ± 0.02	22.316 ± 0.027
DES14X3ili	56990.1	23.231 ± 0.103	22.454 ± 0.035	22.352 ± 0.062	22.31 ± 0.031
DES14X3ili	57001.1	23.47 ± 0.06	22.609 ± 0.022	22.254 ± 0.021	22.333 ± 0.031
DES14X3ili	57005.1	23.47 ± 0.00 23.686 ± 0.1	22.914 ± 0.042	22.227 ± 0.021 22.227 ± 0.027	22.333 ± 0.031 22.313 ± 0.042
DES14X3ili	57003.1 57012.1	23.721 ± 0.094	22.785 ± 0.042	22.451 ± 0.027 22.451 ± 0.033	22.425 ± 0.042 22.425 ± 0.064
				22.451 ± 0.055	22.425 ± 0.004
DES14X3ili	57018.1	23.881 ± 0.116	23.047 ± 0.053		
DES14X3ili	57018.2	• • •	•••	22.326 ± 0.04	
DES14X3ili	57019.1	• • •			22.349 ± 0.04
DES14X3ili	57025.1	• • •	22.664 ± 0.069	22.354 ± 0.047	• • •
DES14X3ili	57032.1	• • •	22.741 ± 0.035	22.503 ± 0.038	• • •
DES14X3ili	57036.0	23.933 ± 0.103	• • •	• • •	• • •
DES14X3ili	57038.1	• • •	22.627 ± 0.028	•••	•••
DES14X3ili	57039.0	•••	• • •	22.173 ± 0.026	
DES14X3ili	57040.1				22.247 ± 0.032
DES14X3ili	57042.1	23.786 ± 0.108			
DES14X3ili	57044.1		22.867 ± 0.048		
DES14X3ili	57045.1				22.15 ± 0.046
DES14X3ili	57049.1	23.686 ± 0.233			
DES14X3ili	57052.0	25.000 ± 0.255			22.311 ± 0.033
					22.311 ± 0.033
DES15C1okz	57311.4	$(26.824) \pm (1.133)$	•••		
DES15C1okz	57315.2	$(26.955) \pm (1.495)$	•••	$(28.497) \pm (3.356)$	
DES15C1okz	57319.1	$(23.615) \pm (0.601)$	•••	(0.4.0=4)	(2.4.4.1) (2.70.0)
DES15C1okz	57319.2	•••	•••	$(24.074) \pm (0.571)$	
DES15C1okz	57325.1	$(25.529) \pm (1.244)$	$(25.59) \pm (1.126)$	• • •	• • •
DES15C1okz	57329.2	$(26.509) \pm (1.126)$	• • •	$(25.545) \pm (0.924)$	• • •
DES15C1okz	57339.3	• • •	•••	• • •	$(25.547) \pm (1.194)$
DES15C1okz	57345.3	$(27.849) \pm (2.311)$		$(24.97) \pm (0.684)$	$(24.784) \pm (0.77)$
DES15C1okz	57355.2	$(26.242) \pm (1.51)$		$(24.605) \pm (0.486)$	•••
DES15C1okz	57365.2	$(26.574) \pm (0.957)$	$(27.435) \pm (1.687)$		
DES15C1okz	57372.2	(2010) 1) = (01001)	$(29.249) \pm (4.21)$	$(26.981) \pm (2.184)$	
	57375.0	$(26.548) \pm (1.611)$		(20.001) ± (2.101)	
DESTACTORS	5.5.5.0		(=0.000) = (1.404)		
DES15C1okz DES15C1okz	57375 1			(26.05) + (1.241)	(25.316) + (0.02)
DES15C10kz DES15C10kz DES15C10kz	57375.1 57385.1	21.239 ± 0.023		$(26.05) \pm (1.241)$	$(25.316) \pm (0.924)$

CINT	3.535				
SN name	MJD	g	r	i	Z maam
DES15C1okz	57389.1	$\frac{\text{mag}}{21.193 \pm 0.018}$	mag	mag	mag
DES15C10kz	57389.2	21.133 ± 0.010	21.224 ± 0.02	21.342 ± 0.031	21.492 ± 0.049
DES15C1okz	57394.2	21.256 ± 0.019	21.136 ± 0.02	21.238 ± 0.033	21.308 ± 0.047
DES15C1okz	57401.1	21.367 ± 0.015	21.091 ± 0.014	21.138 ± 0.017	21.283 ± 0.025
DES15C1okz	57408.1	21.465 ± 0.048	21.113 ± 0.03	21.025 ± 0.026	21.198 ± 0.031
DES15C1okz	57425.1	21.685 ± 0.034	21.097 ± 0.023		
DES15C1okz	57425.2			21.081 ± 0.032	21.095 ± 0.064
DES15C1pkx	57332.1	$(27.491) \pm (2.04)$		$(26.15) \pm (1.294)$	
DES15C1pkx	57339.3	$(26.123) \pm (0.869)$			
DES15C1pkx	57345.3	$(27.219) \pm (1.782)$			
DES15C1pkx	57355.2	$(26.826) \pm (1.97)$	$(25.284) \pm (0.793)$		$(25.697) \pm (1.061)$
DES15C1pkx	57365.2	•••	$(27.921) \pm (7.382)$		•••
DES15C1pkx	57375.0		$(24.83) \pm (0.603)$		
DES15C1pkx	57385.1	$(27.682) \pm (2.339)$	•••	• • •	
DES15C1pkx	57385.2	• • •	$(27.582) \pm (2.152)$	• • •	• • •
DES15C1pkx	57389.1	$(27.28) \pm (1.777)$	• • •	• • •	• • •
DES15C1pkx	57389.2	•••	$(26.941) \pm (1.608)$	•••	$(23.874) \pm (0.37)$
DES15C1pkx	57394.2	•••	$(27.404) \pm (2.049)$	•••	$(25.472) \pm (1.189)$
DES15C1pkx	57408.1	20.779 ± 0.026	21.003 ± 0.027	21.093 ± 0.027	21.277 ± 0.032
DES15C1pkx	57425.1	20.882 ± 0.017	20.769 ± 0.018	• • •	• • •
DES15C1pkx	57425.2	•••	• • •	20.734 ± 0.024	20.937 ± 0.04
DES15C2eaz	57250.4		• • •	$(22.618) \pm (0.817)$	$(21.523) \pm (0.575)$
DES15C2eaz	57252.3	$(26.281) \pm (1.128)$	•••		
DES15C2eaz	57256.3	(07.700) (0.770)	•••	$(24.561) \pm (0.703)$	$(25.254) \pm (1.2)$
DES15C2eaz	57257.3	$(25.529) \pm (0.756)$	(00.101) . (1.500)	$(26.783) \pm (1.863)$	(27.024) . (2.022)
DES15C2eaz	57266.3	10.010 . 0.000	$(26.101) \pm (1.792)$	$(28.013) \pm (3.234)$	$(27.024) \pm (2.023)$
DES15C2eaz	57276.4	19.919 ± 0.009	10.000 + 0.000	00 159 + 0 011	20.511 ± 0.018
DES15C2eaz	57277.4	10.007 + 0.011	19.968 ± 0.008	20.153 ± 0.011	20.437 ± 0.023
DES15C2eaz DES15C2eaz	57284.3 57288.2	19.807 ± 0.011 19.953 ± 0.018	19.883 ± 0.012 19.961 ± 0.017	$20.033 \pm 0.02 20.074 \pm 0.017$	20.19 ± 0.045
DES15C2eaz DES15C2eaz	57297.2	19.955 ± 0.018 20.076 ± 0.024	19.961 ± 0.017 19.958 ± 0.037	20.074 ± 0.017 20.034 ± 0.027	$20.188 \pm 0.02 \\ 20.118 \pm 0.02$
DES15C2eaz DES15C2eaz	57302.3	20.070 ± 0.024 20.161 ± 0.008	19.950 ± 0.057	20.034 ± 0.027 20.033 ± 0.01	20.118 ± 0.02 20.131 ± 0.014
DES15C2eaz	57311.3	20.551 ± 0.005	•••	20.207 ± 0.009	20.101 ± 0.014
DES15C2eaz	57315.3	20.673 ± 0.01 20.673 ± 0.12	20.346 ± 0.094	20.249 ± 0.172	
DES15C2eaz	57317.2	20.769 ± 0.021	20.232 ± 0.013	20.274 ± 0.014	20.339 ± 0.014
DES15C2eaz	57325.2	20.893 ± 0.026	20.349 ± 0.015	$(19.666) \pm (0.502)$	20.427 ± 0.014
DES15C2eaz	57329.2	21.109 ± 0.024	20.432 ± 0.014	20.441 ± 0.017	20.504 ± 0.022
DES15C2eaz	57331.1	21.118 ± 0.016	20.483 ± 0.013	20.498 ± 0.016	20.53 ± 0.02
DES15C2eaz	57339.3	21.374 ± 0.022	20.596 ± 0.014	20.622 ± 0.02	20.625 ± 0.024
DES15C2eaz	57345.3		20.71 ± 0.017	20.707 ± 0.021	20.708 ± 0.024
DES15C2eaz	57349.3	21.732 ± 0.079	20.828 ± 0.04	20.768 ± 0.033	20.802 ± 0.036
DES15C2eaz	57356.2	22.031 ± 0.041	21.009 ± 0.018	20.982 ± 0.017	20.991 ± 0.018
DES15C2eaz	57365.2	22.964 ± 0.054	• • •	• • •	
DES15C2eaz	57365.3	• • •	• • •	• • •	21.817 ± 0.029
DES15C2eaz	57372.2	23.363 ± 0.086	• • •	22.126 ± 0.079	22.081 ± 0.098
DES15C2eaz	57376.1	$(23.468) \pm (0.473)$	22.973 ± 0.309	22.297 ± 0.172	21.924 ± 0.179
DES15C2eaz	57379.1	22.993 ± 0.192	22.08 ± 0.074	22.132 ± 0.069	22.031 ± 0.059
DES15C2eaz	57387.2	23.544 ± 0.167	22.28 ± 0.055	22.294 ± 0.063	22.221 ± 0.064
DES15C2eaz	57394.1	23.684 ± 0.159	22.554 ± 0.085	22.612 ± 0.144	• • •
DES15C2eaz	57394.2	• • •	• • •	• • •	22.59 ± 0.146
DES15C2eaz	57401.1	23.618 ± 0.096	•••	22.922 ± 0.082	22.826 ± 0.09
DES15C2eaz	57408.1	$(23.863) \pm (0.373)$	22.625 ± 0.117	22.641 ± 0.109	22.778 ± 0.118
DES15C2eaz	57426.1	23.822 ± 0.226	22.698 ± 0.114	23.367 ± 0.262	22.726 ± 0.213
DES15C2lna	57250.4	(24.070) (0.071)	•••	$(23.177) \pm (1.121)$	(24.66=) (2.451)
DES15C2lna	57252.3	$(26.079) \pm (0.971)$	•••	•••	$(24.667) \pm (0.751)$
DES15C2lna	57256.3	• • •	(90.047) . (9.760)	(07 122) . (0 120)	$(25.329) \pm (1.281)$
DES15C2lna	57257.3	(95 474) . (1 497)	$(28.047) \pm (2.768)$	$(27.133) \pm (2.129)$	$(25.221) \pm (0.853)$
DES15C2lna	57266.3	$(25.474) \pm (1.437)$	(25 250) + (0.971)	$(25.42) \pm (1.05)$	•••
DES15C2lna DES15C2lna	57276.4 57277.4	$(25.483) \pm (0.893)$ $(28.835) \pm (2.94)$	$(25.259) \pm (0.871)$	$(24.716) \pm (0.583)$	•••
DESTOCZIIIa	57277.4	(40.000) ± (4.94)	•••	$(25.545) \pm (0.869)$	• • •

SN name	MJD	g	r	i maa m	Z maa m
DES15C2lna	57284.3	mag	$\frac{\text{mag}}{(24.602) \pm (0.571)}$	mag	mag
DES15C2lna	57288.2		$(24.695) \pm (0.843)$		$(26.892) \pm (2.488)$
DES15C2lna	57297.2		(21.000) ± (0.010)	$(26.978) \pm (2.972)$	$(24.602) \pm (2.168)$ $(24.602) \pm (0.844)$
DES15C2lna	57302.3	$(24.993) \pm (0.398)$	$(24.338) \pm (0.33)$	$(24.584) \pm (0.482)$	(21.002) ± (0.011)
DES15C2lna	57311.3	20.971 ± 0.014	20.84 ± 0.015	20.779 ± 0.013	20.766 ± 0.014
DES15C2lna	57315.3	21.043 ± 0.157	20.947 ± 0.154	20.304 ± 0.171	
DES15C2lna	57317.2	21.114 ± 0.026	20.833 ± 0.02	20.791 ± 0.02	20.819 ± 0.03
DES15C2lna	57325.2	21.266 ± 0.033	20.822 ± 0.021	$(19.728) \pm (0.667)$	20.796 ± 0.019
DES15C2lna	57329.2	21.557 ± 0.035	20.924 ± 0.02	$(25.732) \pm (5.011)$	20.863 ± 0.031
DES15C2lna	57331.1	21.608 ± 0.023	20.899 ± 0.017	20.792 ± 0.021	20.799 ± 0.025
DES15C2lna	57339.3	21.946 ± 0.033	21.051 ± 0.019	20.928 ± 0.025	20.894 ± 0.031
DES15C2lna	57345.3	22.078 ± 0.039		20.962 ± 0.026	20.946 ± 0.031
DES15C2lna	57349.3	22.087 ± 0.104	21.105 ± 0.049	20.963 ± 0.038	20.916 ± 0.056
DES15C2lna	57356.2	22.348 ± 0.049	21.196 ± 0.018	20.966 ± 0.016	20.932 ± 0.017
DES15C2lna	57365.2	22.424 ± 0.032	21.228 ± 0.015	21.021 ± 0.014	
DES15C2lna	57365.3	• • •	• • •	• • •	20.959 ± 0.014
DES15C2lna	57372.2	22.588 ± 0.042	21.255 ± 0.02	21.073 ± 0.031	21.006 ± 0.039
DES15C2lna	57376.1	22.95 ± 0.306	21.541 ± 0.089	21.133 ± 0.062	21.027 ± 0.064
DES15C2lna	57379.1	22.813 ± 0.153	21.293 ± 0.034	21.079 ± 0.026	20.996 ± 0.024
DES15C2lna	57387.2	22.898 ± 0.091	21.361 ± 0.023	21.104 ± 0.021	21.081 ± 0.024
DES15C2lna	57394.1	22.938 ± 0.081	21.426 ± 0.031	• • •	•••
DES15C2lna	57394.2	•••			21.132 ± 0.041
DES15C2lna	57401.1	23.032 ± 0.054	21.515 ± 0.019	21.243 ± 0.019	21.149 ± 0.021
DES15C2lna	57408.1	23.328 ± 0.229	21.591 ± 0.043	21.307 ± 0.032	21.219 ± 0.03
DES15C2lna	57426.1	$(24.384) \pm (0.343)$	22.942 ± 0.138	22.502 ± 0.126	21.825 ± 0.102
DES15C2lpp	57250.4	(0.4 = 61) . (0.800)	(04 744) . (0 410)	$(22.725) \pm (0.853)$	(0.4.40.4) . (0.600)
DES15C2lpp	57252.3	$(24.761) \pm (0.389)$	$(24.544) \pm (0.413)$	$(26.529) \pm (1.739)$	$(24.434) \pm (0.639)$
DES15C2lpp	57256.3		(24,006) + (0,555)	$(24.311) \pm (0.571)$	$(23.557) \pm (0.392)$
DES15C2lpp DES15C2lpp	57257.3 57266.2	24.207 ± 0.278 $(24.69) \pm (0.907)$	$(24.906) \pm (0.555)$		$(25.707) \pm (1.151)$ $(24.78) \pm (0.583)$
DES15C2lpp	57266.3 57276.4	$(24.802) \pm (0.547)$ $(24.802) \pm (0.547)$	$(25.131) \pm (0.999)$ $(25.308) \pm (0.887)$	$(25.135) \pm (0.864)$ $(24.536) \pm (0.509)$	$(24.426) \pm (0.533)$ $(24.426) \pm (0.533)$
DES15C2lpp	57270.4 57277.4	$(24.802) \pm (0.347)$ $(26.829) \pm (1.266)$	(25.506) ± (0.661)	$(24.530) \pm (0.509)$ 23.9 ± 0.254	$(23.998) \pm (0.377)$
DES15C2lpp	57284.3	$(24.823) \pm (1.200)$ $(24.823) \pm (0.602)$	$(24.701) \pm (0.601)$	20.9 ± 0.204	$(24.425) \pm (1.174)$
DES15C2lpp	57288.2	$(24.976) \pm (0.002)$ $(24.976) \pm (1.022)$	(24.701) ± (0.001)	$(26.057) \pm (1.698)$	(24.420) ± (1.114)
DES15C2lpp	57297.2	$(24.871) \pm (1.022)$ $(24.871) \pm (1.036)$	$(24.739) \pm (1.386)$	$(23.768) \pm (0.592)$	$(24.845) \pm (0.984)$
DES15C2lpp	57302.3	$(25.335) \pm (0.514)$	$(27.161) \pm (5.115)$	$(26.403) \pm (0.502)$ $(26.403) \pm (1.505)$	$(25.986) \pm (1.463)$
DES15C2lpp	57311.3	23.286 ± 0.092	22.902 ± 0.085	22.897 ± 0.081	23.04 ± 0.136
DES15C2lpp	57315.3	$(23.522) \pm (0.987)$	$(22.973) \pm (0.732)$	$(22.454) \pm (0.863)$	
DES15C2lpp	57317.2	22.839 ± 0.118	22.777 ± 0.107	22.234 ± 0.072	22.491 ± 0.097
DES15C2lpp	57325.2	23.257 ± 0.18	22.68 ± 0.099	22.585 ± 0.083	22.497 ± 0.082
DES15C2lpp	57329.2	23.152 ± 0.138	22.828 ± 0.104	22.379 ± 0.091	22.547 ± 0.139
DES15C2lpp	57331.1	23.494 ± 0.114	22.91 ± 0.095	22.684 ± 0.108	22.386 ± 0.105
DES15C2lpp	57339.3	23.898 ± 0.168	22.862 ± 0.089	22.542 ± 0.1	22.527 ± 0.13
DES15C2lpp	57345.3	24.182 ± 0.235	23.205 ± 0.147	22.807 ± 0.129	22.558 ± 0.179
DES15C2lpp	57349.3	$(24.827) \pm (0.862)$	23.251 ± 0.31	22.475 ± 0.144	22.922 ± 0.242
DES15C2lpp	57356.2	$(25.094) \pm (0.478)$	23.231 ± 0.103	22.794 ± 0.074	22.721 ± 0.082
DES15C2lpp	57365.2	24.601 ± 0.203	23.311 ± 0.083	22.858 ± 0.063	• • •
DES15C2lpp	57365.3	•••	•••	•••	22.703 ± 0.083
DES15C2lpp	57372.2	24.759 ± 0.262	23.335 ± 0.116	22.574 ± 0.112	22.655 ± 0.162
DES15C2lpp	57376.1	$(23.564) \pm (0.475)$	$(23.287) \pm (0.367)$	22.771 ± 0.247	22.442 ± 0.212
DES15C2lpp	57379.1	$(24.531) \pm (0.586)$	23.132 ± 0.164	22.542 ± 0.09	22.663 ± 0.102
DES15C2lpp	57387.2	$(25.128) \pm (0.543)$	23.326 ± 0.123	22.639 ± 0.079	22.522 ± 0.085
DES15C2lpp	57394.1	24.543 ± 0.311	23.258 ± 0.149	22.594 ± 0.137	00 514 . 0 141
DES15C2lpp	57394.2	(26.025) + (0.627)	22 220 + 0 027	22 70 + 0.069	22.514 ± 0.141
DES15C2lpp	57401.1	$(26.035) \pm (0.627)$	23.329 ± 0.087	22.79 ± 0.068	22.699 ± 0.082
DES15C2lpp	57408.1 57426.1	$(25.696) \pm (1.196)$ $(28.368) \pm (2.06)$	23.265 ± 0.181 23.447 ± 0.207	22.827 ± 0.118 (24.506) \pm (3.455)	22.739 ± 0.116 22.76 ± 0.226
DES15C2lpp DES15C2npz	57426.1 57297.2	$(28.368) \pm (2.96)$ $(27.357) \pm (3.084)$	23.447 ± 0.207 $(23.799) \pm (0.788)$	$(24.596) \pm (3.455)$	22.76 ± 0.226 $(25.385) \pm (1.303)$
DES15C2npz	57302.3	$(27.337) \pm (3.084)$ $(28.251) \pm (2.489)$	(23.199) ± (0.188)	$(25.256) \pm (0.769)$	$(23.363) \pm (1.303)$
DES15C2npz	57302.3	$(25.698) \pm (0.636)$		$(20.250) \pm (0.709)$	$(25.896) \pm (0.913)$
D100211p2	0.011.0	(20.000) ± (0.000)			(20.000) ± (0.010)

CN nome	MID	~	<u></u>		
SN name	MJD	$rac{g}{ ext{mag}}$	$r \\ ext{mag}$	$i \\ ext{mag}$	$rac{z}{ ext{mag}}$
DES15C2npz	57315.3		$(22.322) \pm (0.454)$		
DES15C2npz	57317.2	$(27.007) \pm (1.983)$	$(25.037) \pm (0.656)$	$(25.792) \pm (1.121)$	
DES15C2npz	57325.2	$(29.725) \pm (4.646)$		$(28.196) \pm (2.976)$	$(26.107) \pm (1.251)$
DES15C2npz	57329.2	•••			$(24.894) \pm (0.817)$
DES15C2npz	57331.1		$(27.635) \pm (2.26)$		$(24.711) \pm (0.659)$
DES15C2npz	57339.3	$(26.148) \pm (0.925)$	$(25.523) \pm (0.741)$	$(26.221) \pm (1.463)$	•••
DES15C2npz	57345.3	•••	$(26.776) \pm (1.676)$	•••	$(24.186) \pm (0.482)$
DES15C2npz	57349.3		•••	$(28.343) \pm (3.779)$	$(23.568) \pm (0.403)$
DES15C2npz	57356.2			$(26.134) \pm (1.037)$	•••
DES15C2npz	57365.2	21.569 ± 0.016	21.452 ± 0.018	21.408 ± 0.02	
DES15C2npz	57365.3	• • •	• • •	• • •	21.433 ± 0.022
DES15C2npz	57372.2	21.698 ± 0.021	21.447 ± 0.025	21.276 ± 0.036	21.341 ± 0.051
DES15C2npz	57376.1	21.931 ± 0.121	21.719 ± 0.099	21.556 ± 0.086	21.558 ± 0.099
DES15C2npz	57379.1	21.932 ± 0.071	21.81 ± 0.054	21.547 ± 0.039	21.443 ± 0.035
DES15C2npz	57387.2	22.264 ± 0.051	21.805 ± 0.034	21.541 ± 0.031	21.606 ± 0.037
DES15C2npz	57394.1	22.494 ± 0.054	22.014 ± 0.05	21.613 ± 0.058	• • •
DES15C2npz	57394.2	•••	•••	• • •	21.598 ± 0.063
DES15C2npz	57401.1	22.74 ± 0.044	22.056 ± 0.031	21.717 ± 0.029	21.719 ± 0.035
DES15C2npz	57408.1	22.98 ± 0.167	22.124 ± 0.07	21.773 ± 0.049	21.65 ± 0.044
DES15C2npz	57426.1	23.79 ± 0.21	22.239 ± 0.074	21.869 ± 0.073	21.915 ± 0.109
DES15C3bj	57249.4	22.875 ± 0.042	22.029 ± 0.018	• • •	• • •
DES15C3bj	57250.3	• • •	21.979 ± 0.032	21.691 ± 0.04	• • •
DES15C3bj	57253.3	• • •	• • •	• • •	21.606 ± 0.021
DES15C3bj	57255.3	22.901 ± 0.064	•••	• • •	• • •
DES15C3bj	57255.4	• • •	22.08 ± 0.03	• • •	• • •
DES15C3bj	57257.3	•••	•••	21.747 ± 0.02	
DES15C3bj	57265.3	• • •	22.168 ± 0.041		21.824 ± 0.022
DES15C3bj	57266.2		• • •	21.809 ± 0.026	•••
DES15C3bj	57268.3	23.214 ± 0.197		•••	•••
DES15C3bj	57276.3	• • •	22.27 ± 0.026	•••	
DES15C3bj	57277.3	• • •	• • •	01.046 . 0.015	21.95 ± 0.018
DES15C3bj	57277.4		• • •	21.846 ± 0.015	• • •
DES15C3bj	57278.2	23.063 ± 0.049	00.000 . 0.001	•••	•••
DES15C3bj	57283.3	• • •	22.322 ± 0.021	21.898 ± 0.023	•••
DES15C3bj	57284.4 57287.2	• • •		21.898 ± 0.023	99 102 + 0 042
DES15C3bj DES15C3bj	57287.3	23.35 ± 0.088	•••	•••	22.183 ± 0.043
				•••	•••
DES15C3bj DES15C3bj	57287.4 57288.3	• • •	22.313 ± 0.031 22.426 ± 0.038	22.063 ± 0.03	
DES15C3bj	57291.2	•••	22.288 ± 0.066	22.003 ± 0.03	•••
DES15C3bj	57292.2			22.048 ± 0.046	22.212 ± 0.063
DES15C3bj	57297.2	23.082 ± 0.161		22.040 ± 0.040	22.212 ± 0.000
DES15C3bj	57297.3	20.002 1 0.101	22.51 ± 0.056		
DES15C3bj	57297.4			21.925 ± 0.031	
DES15C3bj	57299.2				22.159 ± 0.08
DES15C3bj	57302.2	23.332 ± 0.057	22.474 ± 0.028		
DES15C3bj	57302.3			22.025 ± 0.023	
DES15C3bj	57304.3				22.145 ± 0.052
DES15C3bj	57311.2	23.471 ± 0.063	22.5 ± 0.022	22.04 ± 0.015	
DES15C3bj	57311.3				22.262 ± 0.028
DES15C3bj	57317.2	23.508 ± 0.131	22.594 ± 0.033		
DES15C3bj	57318.1			21.966 ± 0.037	22.302 ± 0.047
DES15C3bj	57325.2		22.584 ± 0.042		
DES15C3bj	57327.1	23.561 ± 0.095		22.118 ± 0.025	22.265 ± 0.029
DES15C3bj	57329.2		22.853 ± 0.041		•••
DES15C3bj	57331.2	23.652 ± 0.076		22.13 ± 0.026	22.438 ± 0.036
DES15C3bj	57339.1		22.976 ± 0.048		
DES15C3bj	57339.2	23.573 ± 0.083		22.237 ± 0.024	22.434 ± 0.051
DES15C3bj	57345.3	23.345 ± 0.067	22.9 ± 0.037	22.173 ± 0.029	
DES15C3bj	57346.0	•••	•••	•••	22.558 ± 0.039
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CINT	MID				
SN name	MJD	g mag	r mag	i mag	Z mag
DES15C3bj	57349.2	mag	mag	$\frac{\text{mag}}{22.475 \pm 0.053}$	mag
DES15C3bj	57349.2 57355.2			22.475 ± 0.055	22.476 ± 0.038
DES15C3bj	57356.1	23.686 ± 0.092	22.789 ± 0.024	22.235 ± 0.02	22.470 ± 0.030
DES15C3bj	57359.2	25.000 ± 0.092	22.709 ± 0.024	22.255 ± 0.02	22.919 ± 0.239
DES15C3bj	57365.1	• • •	• • •		22.53 ± 0.235 22.53 ± 0.027
DES15C3bj	57365.2	23.751 ± 0.058	22.798 ± 0.021	22.256 ± 0.015	22.00 ± 0.021
DES15C3bj	57372.1	23.749 ± 0.075	23.003 ± 0.04		
DES15C3bj	57372.2			22.28 ± 0.028	22.656 ± 0.048
DES15C3bj	57376.2	23.746 ± 0.248			
DES15C3bj	57378.0		22.99 ± 0.065		
DES15C3bj	57378.1				22.624 ± 0.043
DES15C3bj	57385.2	24.075 ± 0.166	23.007 ± 0.043		
DES15C3bj	57387.1			22.349 ± 0.019	22.729 ± 0.04
DES15C3bj	57389.1	23.608 ± 0.098			
DES15C3bj	57389.2		23.095 ± 0.047		
DES15C3bj	57391.2			22.245 ± 0.066	
DES15C3bj	57394.1				22.66 ± 0.059
DES15C3bj	57394.2	23.59 ± 0.095			
DES15C3bj	57395.2		23.272 ± 0.083		
DES15C3bj	57397.1			22.406 ± 0.03	
DES15C3bj	57399.2	24.016 ± 0.139	• • •	• • •	
DES15C3bj	57401.1	• • •	• • •	• • •	22.735 ± 0.034
DES15C3bj	57402.1	• • •	23.029 ± 0.032	• • •	• • •
DES15C3bj	57404.0	• • •	• • •	22.434 ± 0.028	• • •
DES15C3bj	57406.0	23.684 ± 0.168	• • •	• • •	• • •
DES15C3bj	57406.1	•••	• • •	• • •	22.832 ± 0.058
DES15C3bj	57408.1	• • •	23.011 ± 0.077	• • •	• • •
DES15C3bj	57425.1	24.271 ± 0.169	• • •	22.419 ± 0.039	• • •
DES15C3bj	57426.1	• • •	23.638 ± 0.099	• • •	22.868 ± 0.07
DES15E1iuh	57235.2	•••	$(24.071) \pm (0.771)$	$(24.598) \pm (0.986)$	
DES15E1iuh	57248.4	$(24.71) \pm (0.443)$	$(26.047) \pm (1.33)$	$(24.816) \pm (0.8)$	$(25.686) \pm (1.595)$
DES15E1iuh	57252.2	$(26.009) \pm (0.786)$		$(25.13) \pm (0.692)$	$(25.426) \pm (0.965)$
DES15E1iuh	57256.2		$(25.34) \pm (0.842)$	•••	$(24.368) \pm (0.749)$
DES15E1iuh	57257.2	$(25.896) \pm (0.872)$	$(26.26) \pm (1.256)$	(0.4.0) (0.40.0)	(24.210) (2.426)
DES15E1iuh	57265.2	$(24.547) \pm (0.797)$	(05 500) . (1.005)	$(24.8) \pm (0.696)$	$(24.319) \pm (0.436)$
DES15E1iuh	57273.1	• • •	$(25.729) \pm (1.037)$	$(25.141) \pm (0.973)$	$(24.88) \pm (1.044)$
DES15E1iuh	57277.1	(00.646) . (0.971)	$(25.516) \pm (0.755)$	$(26.061) \pm (1.303)$	$(30.462) \pm (5.623)$
DES15E1iuh	57281.1	$(22.646) \pm (0.371)$	$(26.543) \pm (3.326)$	•••	(96 494) . (9 905)
DES15E1iuh DES15E1iuh	57283.1	$(26.632) \pm (2.132)$	$(24.145) \pm (0.631)$	22 022 + 0 126	$(26.424) \pm (2.305)$ 22.166 ± 0.149
	57287.1	21.768 ± 0.099 21.518 ± 0.099	22.034 ± 0.116	22.023 ± 0.136	
DES15E1iuh DES15E1iuh	57288.1		21.789 ± 0.104	22.148 ± 0.157	22.369 ± 0.208
DES15E1iuh	57290.1 57297.0	$21.382 \pm 0.109 21.192 \pm 0.023$	21.363 ± 0.087 21.269 ± 0.039	21.265 ± 0.054	$21.746 \pm 0.1 21.431 \pm 0.083$
DES15E1iuh	57301.0	21.192 ± 0.023 21.339 ± 0.044	21.209 ± 0.039 21.213 ± 0.055	21.205 ± 0.034 21.015 ± 0.081	21.431 ± 0.063 21.364 ± 0.056
DES15E1iuh	57305.1	21.339 ± 0.044 21.46 ± 0.026	21.213 ± 0.033 21.252 ± 0.031	21.013 ± 0.031 21.102 ± 0.036	21.304 ± 0.050 21.281 ± 0.058
DES15E1iuh	57311.0	21.40 ± 0.020 21.781 ± 0.032	21.305 ± 0.031 21.305 ± 0.026	21.102 ± 0.030 21.101 ± 0.029	21.231 ± 0.036 21.31 ± 0.046
DES15E1iuh	57315.1	21.761 ± 0.032 21.917 ± 0.049	21.505 ± 0.020	21.101 ± 0.029	21.51 ± 0.040
DES15E1iuh	57315.1	21.317 ± 0.043	21.369 ± 0.036	21.147 ± 0.033	21.393 ± 0.055
DES15E1iuh	57316.0	22.064 ± 0.086	21.429 ± 0.046	21.151 ± 0.005 21.151 ± 0.04	21.284 ± 0.055
DES15E1iuh	57325.0	22.338 ± 0.038	21.559 ± 0.025	21.23 ± 0.024	21.361 ± 0.039 21.361 ± 0.039
DES15E1iuh	57329.0	22.493 ± 0.053	21.632 ± 0.036	21.308 ± 0.031	21.48 ± 0.051
DES15E1iuh	57334.2	22.577 ± 0.044	21.684 ± 0.024	21.286 ± 0.019	21.438 ± 0.026
DES15E1iuh	57339.0	22.623 ± 0.072	21.746 ± 0.04	21.366 ± 0.036	21.428 ± 0.048
DES15E1iuh	57344.0	$(23.094) \pm (0.339)$	21.811 ± 0.042	21.323 ± 0.023	21.555 ± 0.034
DES15E1iuh	57355.1	23.044 ± 0.139	21.914 ± 0.047	21.388 ± 0.028	21.581 ± 0.049
DES15E1iuh	57365.0	23.092 ± 0.083	22.021 ± 0.036	21.523 ± 0.028	21.633 ± 0.034
DES15E1iuh	57372.0	$(22.946) \pm (0.415)$	22.103 ± 0.092	21.504 ± 0.033	21.723 ± 0.038
DES15E1iuh	57376.0	23.013 ± 0.294	22.059 ± 0.106	21.712 ± 0.088	21.739 ± 0.096
${ m DES15E1iuh}$	57379.0	23.168 ± 0.225	22.022 ± 0.07	21.496 ± 0.04	
${ m DES15E1iuh}$	57379.1	• • •	• • •	•••	21.714 ± 0.052

SN name	MJD	g	r	i	Z
		$_{ m mag}$	$_{ m mag}$	$_{ m mag}$	$_{ m mag}$
DES15E1iuh	57386.0	23.308 ± 0.118	22.156 ± 0.044	21.617 ± 0.036	• • •
DES15E1iuh	57386.1	• • •	• • •	• • •	21.731 ± 0.051
DES15E1iuh	57394.1	23.702 ± 0.143	22.249 ± 0.049	21.696 ± 0.043	21.83 ± 0.055
DES15E1iuh	57400.1	23.907 ± 0.273	22.493 ± 0.094	21.793 ± 0.063	22.154 ± 0.104
DES15E1iuh	57407.0	$(23.949) \pm (0.408)$	22.608 ± 0.115	22.135 ± 0.069	
DES15E1iuh	57407.1	•••			22.092 ± 0.066
DES15E2ni	57235.2	$(22.675) \pm (0.318)$	22.814 ± 0.289	22.617 ± 0.202	$(23.323) \pm (0.316)$
DES15E2ni	57248.4	23.824 ± 0.223	23.182 ± 0.188	22.941 ± 0.223	$(23.256) \pm (0.328)$
DES15E2ni	57252.2	24.281 ± 0.167	23.207 ± 0.092	23.169 ± 0.131	23.579 ± 0.226
DES15E2ni	57256.2	24.137 ± 0.27	23.4 ± 0.243	$(23.513) \pm (0.332)$	23.11 ± 0.259
DES15E2ni	57257.2	$(24.72) \pm (0.415)$	23.414 ± 0.231	$(23.535) \pm (0.544)$	23.046 ± 0.188
DES15E2ni	57265.2	$(24.015) \pm (0.573)$	23.377 ± 0.284	23.173 ± 0.207	22.999 ± 0.142
DES15E2ni	57273.3	24.318 ± 0.173	23.324 ± 0.101	23.043 ± 0.085	23.254 ± 0.118
DES15E2ni	57278.2	24.437 ± 0.195	23.259 ± 0.094	23.193 ± 0.113	23.212 ± 0.134
DES15E2ni	57283.1	$(24.639) \pm (0.439)$	23.433 ± 0.236	22.938 ± 0.209	$(23.506) \pm (0.375)$
DES15E2ni	57287.1	$(24.271) \pm (0.655)$	$(24.334) \pm (0.658)$	22.91 ± 0.212	23.182 ± 0.279
DES15E2ni	57288.1	$(29.068) \pm (4.975)$	$(23.275) \pm (0.41)$	22.79 ± 0.262	$(23.152) \pm (0.339)$
DES15E2ni	57290.1	$(24.161) \pm (0.986)$	$(23.012) \pm (0.424)$	$(25.658) \pm (1.924)$	22.993 ± 0.288
DES15E2ni	57291.1	•••	$(23.264) \pm (0.323)$	$(23.72) \pm (0.758)$	23.084 ± 0.177
DES15E2ni	57297.0	$(24.35) \pm (0.353)$	23.565 ± 0.266	$(23.515) \pm (0.361)$	
DES15E2ni	57297.1	•••		•••	$(23.543) \pm (0.458)$
DES15E2ni	57301.0	$(25.032) \pm (0.558)$			
DES15E2ni	57301.1	•••	23.346 ± 0.29	$(23.795) \pm (0.643)$	
DES15E2ni	57305.1	$(24.357) \pm (0.361)$	$(24.74) \pm (0.705)$	23.088 ± 0.28	$(23.275) \pm (0.431)$
DES15E2ni	57311.0	$(24.806) \pm (0.361)$	23.611 ± 0.195	23.125 ± 0.181	23.465 ± 0.279
DES15E2ni	57315.2	$(26.117) \pm (1.19)$	23.587 ± 0.301	$(23.492) \pm (0.371)$	23.155 ± 0.266
DES15E2ni	57325.0	$(24.534) \pm (0.676)$	23.432 ± 0.146	22.962 ± 0.128	22.915 ± 0.153
DES15E2ni	57329.0	$(25.824) \pm (0.637)$	23.569 ± 0.171	23.174 ± 0.16	23.319 ± 0.248
DES15E2ni	57334.2	$(25.51) \pm (0.591)$	24.248 ± 0.264	23.419 ± 0.148	23.517 ± 0.201
DES15E2ni	57340.1	$(25.512) \pm (0.488)$	23.728 ± 0.151	23.6 ± 0.175	23.105 ± 0.141
DES15E2ni	57342.0	$(25.142) \pm (0.352)$	23.915 ± 0.177	$(23.042) \pm (0.492)$	23.071 ± 0.159
DES15E2ni	57347.1	•••	$(23.909) \pm (0.341)$	23.533 ± 0.208	23.354 ± 0.185
DES15E2ni	57356.1		$(24.852) \pm (0.341)$	23.686 ± 0.165	24.037 ± 0.231
DES15E2ni	57366.0	$(27.317) \pm (1.509)$	$(26.719) \pm (1.254)$	$(24.737) \pm (0.423)$	$(24.424) \pm (0.398)$
DES15E2ni	57373.0	• • •	• • •	$(24.411) \pm (0.553)$	$(23.694) \pm (0.329)$
DES15E2ni	57385.1	$(26.397) \pm (1.11)$	• • •	$(29.092) \pm (3.723)$	$(24.41) \pm (0.423)$
DES15E2ni	57389.1	• • •	• • •	$(25.387) \pm (0.825)$	• • •
DES15E2ni	57396.0	$(25.85) \pm (0.873)$	• • •	• • •	•••
DES15E2ni	57396.1	• • •	• • •	$(25.423) \pm (0.852)$	•••
DES15E2ni	57403.1	• • •	• • •	$(24.398) \pm (0.368)$	$(24.318) \pm (0.406)$
DES15S1by	57249.4	23.376 ± 0.136	22.076 ± 0.051	21.734 ± 0.043	21.85 ± 0.06
DES15S1by	57253.4	23.346 ± 0.107	22.072 ± 0.048	21.788 ± 0.044	21.84 ± 0.055
DES15S1by	57258.4	23.22 ± 0.084	22.147 ± 0.043	21.788 ± 0.04	21.702 ± 0.043
DES15S1by	57269.3	$(23.539) \pm (0.353)$	22.384 ± 0.152	21.793 ± 0.093	21.813 ± 0.083
DES15S1by	57276.4	23.404 ± 0.133	22.336 ± 0.083	21.969 ± 0.075	21.871 ± 0.08
DES15S1by	57283.3	23.652 ± 0.145	22.295 ± 0.054	21.885 ± 0.044	21.901 ± 0.052
DES15S1by	57287.3	23.565 ± 0.17	22.364 ± 0.075	21.946 ± 0.07	22.013 ± 0.096
DES15S1by	57297.2	$(23.406) \pm (0.56)$	• • •	$(22.735) \pm (0.402)$	22.476 ± 0.281
DES15S1by	57299.2	23.612 ± 0.287	22.906 ± 0.215	22.314 ± 0.16	22.145 ± 0.206
DES15S1by	57303.2	$(25.09) \pm (0.619)$	23.177 ± 0.171	22.609 ± 0.14	22.388 ± 0.16
DES15S1by	57304.3	$(25.736) \pm (1.298)$	22.826 ± 0.22	22.424 ± 0.154	$(22.798) \pm (0.545)$
DES15S1by	57305.3	$(24.077) \pm (0.356)$	22.907 ± 0.126	$(25.463) \pm (3.375)$	22.573 ± 0.104
DES15S1by	57312.1	$(25.374) \pm (0.692)$	23.827 ± 0.287	$(23.964) \pm (0.482)$	22.611 ± 0.176
DES15S1by	57318.2	•••	$(24.366) \pm (0.627)$	$(26.723) \pm (2.229)$	22.624 ± 0.188
DES15S1by	57325.2	•••	23.556 ± 0.295	23.28 ± 0.217	$(23.411) \pm (0.334)$
DES15S1by	57327.1	$(25.043) \pm (0.408)$	23.898 ± 0.194	23.446 ± 0.174	23.469 ± 0.221
DES15S1by	57331.2	$(25.043) \pm (0.432)$	$(24.516) \pm (0.363)$	23.394 ± 0.194	23.042 ± 0.173
DES15S1by	57339.2	$(26.908) \pm (1.518)$	24.015 ± 0.261	$(24.128) \pm (0.364)$	$(24.079) \pm (0.395)$
DES15S1by	57345.2	$(30.595) \pm (5.109)$	24.031 ± 0.273	23.279 ± 0.214	23.329 ± 0.237
DES15S1by	57355.2	•••	$(25.807) \pm (1.163)$	23.612 ± 0.25	23.52 ± 0.275

CINT	MID				
SN name	MJD	g	r	i mag	Z mag
DES15S1by	57365.1	mag	$\frac{\text{mag}}{24.21 \pm 0.216}$	$mag = 23.469 \pm 0.135$	$\frac{\text{mag}}{23.701 \pm 0.187}$
DES15S1by DES15S1by	57372.1	$(25.944) \pm (0.799)$	$(25.052) \pm (0.484)$	23.469 ± 0.135 23.968 ± 0.271	23.701 ± 0.187 23.673 ± 0.248
DES15S1by	57385.1	(20.944) ± (0.199)	$(23.032) \pm (0.404)$ 24.497 ± 0.272	23.664 ± 0.171	23.922 ± 0.246
DES15S1by	57394.0	•••	$(24.73) \pm (0.421)$	23.672 ± 0.234	23.322 ± 0.240
DES15S1by	57394.0		(24.75) ± (0.421)	25.072 ± 0.254	23.672 ± 0.286
DES15S1by	57401.1	$(25.069) \pm (0.433)$	24.309 ± 0.271	24.029 ± 0.257	$(24.256) \pm (0.348)$
DES15S1by	57408.1	$(24.031) \pm (0.557)$		$(24.85) \pm (0.884)$	$(23.473) \pm (0.332)$
DES15S1cj	57249.4	21.513 ± 0.027	21.476 ± 0.032	21.463 ± 0.033	21.525 ± 0.045
DES15S1cj	57253.4	21.386 ± 0.02	21.334 ± 0.026	21.353 ± 0.028	21.298 ± 0.033
DES15S1cj	57258.4	21.356 ± 0.018	21.263 ± 0.02	21.214 ± 0.023	21.247 ± 0.028
DES15S1cj	57269.3	21.416 ± 0.057	21.304 ± 0.055	21.26 ± 0.058	21.362 ± 0.049
DES15S1cj	57276.4	21.864 ± 0.036	21.63 ± 0.044	21.414 ± 0.044	21.32 ± 0.05
DES15S1cj	57283.3	22.257 ± 0.045	21.709 ± 0.032	21.545 ± 0.031	21.581 ± 0.039
DES15S1cj	57287.3	22.377 ± 0.062	21.829 ± 0.048	21.663 ± 0.052	21.762 ± 0.078
DES15S1cj	57297.2	$(22.608) \pm (0.315)$		22.037 ± 0.212	22.39 ± 0.244
DES15S1cj	57299.2	23.451 ± 0.265	22.274 ± 0.124	21.927 ± 0.113	22.292 ± 0.241
DES15S1cj	57303.2	23.356 ± 0.165	22.372 ± 0.086	22.197 ± 0.095	22.252 ± 0.147
DES15S1cj	57304.3	23.137 ± 0.207	22.333 ± 0.142	22.016 ± 0.11	$(22.208) \pm (0.344)$
DES15S1cj	57305.3	23.215 ± 0.174	22.465 ± 0.088	22.016 ± 0.06	22.07 ± 0.067
DES15S1cj	57312.1	23.806 ± 0.212	22.633 ± 0.104	22.368 ± 0.128	22.32 ± 0.14
DES15S1cj	57318.2	$(24.571) \pm (0.782)$	22.846 ± 0.189	22.504 ± 0.136	22.649 ± 0.193
DES15S1cj	57325.2	• • •	22.819 ± 0.155	22.599 ± 0.112	22.62 ± 0.167
DES15S1cj	57327.1	24.219 ± 0.216	22.932 ± 0.086	22.716 ± 0.09	22.599 ± 0.109
DES15S1cj	57331.2	$(24.938) \pm (0.4)$	23.153 ± 0.118	22.738 ± 0.107	22.586 ± 0.114
DES15S1cj	57339.2	$(25.069) \pm (0.487)$	23.308 ± 0.144	22.903 ± 0.125	22.968 ± 0.156
DES15S1cj	57345.2	$(24.932) \pm (0.495)$	23.691 ± 0.229	23.099 ± 0.192	22.797 ± 0.151
DES15S1cj	57355.2	$(26.281) \pm (1.722)$	$(25.181) \pm (0.803)$	$(28.095) \pm (3.024)$	$(24.397) \pm (0.538)$
DES15S1cj	57365.1	(26.207) . (2.202)	$(25.777) \pm (0.729)$	$(24.921) \pm (0.412)$	23.879 ± 0.217
DES15S1cj	57372.1	$(26.297) \pm (0.993)$	$(24.987) \pm (0.461)$	$(24.936) \pm (0.542)$	$(24.546) \pm (0.481)$
DES15S1cj DES15S1cj	57385.1 57394.0	• • •	•••	$(26.059) \pm (0.964)$ $(26.075) \pm (1.232)$	$(24.805) \pm (0.486)$
DES15S1cj DES15S1cj	57401.1	•••	$(25.46) \pm (0.643)$	$(20.073) \pm (1.232)$ $(24.734) \pm (0.429)$	$(24.701) \pm (0.477)$
DES15S1cj	57401.1	•••	$(24.17) \pm (0.583)$	$(24.734) \pm (0.429)$ $(26.631) \pm (2.148)$	$(25.187) \pm (0.477)$ $(25.187) \pm (1.1)$
DES15S1cj DES15S1lrp	57249.4	•••	(24.17) ± (0.969)	$(24.384) \pm (0.375)$	$(24.917) \pm (0.701)$
DES15S1lrp	57253.4			$(24.954) \pm (0.552)$	$(29.128) \pm (4.026)$
DES15S1lrp	57258.4			$(27.905) \pm (2.497)$	$(26.91) \pm (1.853)$
DES15S1lrp	57269.3	$(24.941) \pm (0.926)$	$(27.014) \pm (2.548)$		
DES15S1lrp	57276.4			$(25.792) \pm (1.254)$	
DES15S1lrp	57283.3	$(27.247) \pm (1.638)$		$(28.476) \pm (3.032)$	
DES15S1lrp	57287.3	•••			$(25.95) \pm (1.599)$
DES15S1lrp	57297.2			$(26.31) \pm (2.702)$	$(23.995) \pm (0.828)$
DES15S1lrp	57299.2	•••	•••	$(24.052) \pm (0.596)$	•••
DES15S1lrp	57303.2	• • •	•••	$(33.511) \pm (8.651)$	$(24.034) \pm (0.594)$
DES15S1lrp	57304.3	$(26.839) \pm (2.105)$		$(24.799) \pm (0.893)$	$(22.49) \pm (0.426)$
DES15S1lrp	57305.3	$(26.594) \pm (1.681)$	$(24.719) \pm (0.51)$	•••	$(24.301) \pm (0.417)$
DES15S1lrp	57312.1	22.353 ± 0.056	22.856 ± 0.118	23.171 ± 0.241	23.166 ± 0.275
DES15S1lrp	57318.2	21.597 ± 0.071	21.707 ± 0.066	21.839 ± 0.074	22.073 ± 0.113
DES15S1lrp	57325.2	21.705 ± 0.061	21.585 ± 0.05	21.676 ± 0.048	21.726 ± 0.075
DES15S1lrp	57327.1	21.853 ± 0.026	21.747 ± 0.028	21.703 ± 0.035	21.776 ± 0.05
DES15S1lrp	57331.2	22.096 ± 0.033	21.935 ± 0.037	21.844 ± 0.046	21.771 ± 0.054
DES15S1lrp	57339.2	22.612 ± 0.058	22.263 ± 0.053	22.136 ± 0.061	22.128 ± 0.073
DES15S1lrp	57345.2	23.115 ± 0.106 23.547 ± 0.281	22.483 ± 0.071	22.238 ± 0.082	22.182 ± 0.087
DES15S1lrp DES15S1lrp	57355.2 57365.1	23.547 ± 0.281 23.868 ± 0.119	22.721 ± 0.108 22.662 ± 0.052	22.289 ± 0.074 22.305 ± 0.046	22.231 ± 0.087
DES15S1lrp	57365.1 57372.1	$(28.441) \pm (5.064)$	22.002 ± 0.052 22.905 ± 0.074	$22.395 \pm 0.046 22.408 \pm 0.064$	22.486 ± 0.06 22.531 ± 0.088
DES15S1lrp	57385.1	$(28.441) \pm (3.004)$ 24.452 ± 0.189	22.903 ± 0.074 22.924 ± 0.063	22.408 ± 0.004 22.409 ± 0.05	22.581 ± 0.088 22.588 ± 0.073
DES15S1lrp DES15S1lrp	57394.0	$(24.747) \pm (0.407)$	22.924 ± 0.003 22.99 ± 0.09	22.409 ± 0.03 22.575 ± 0.084	22.300 ± 0.073
DES15S1lrp	57394.0	(24.141) ± (0.401)	22.33 ± 0.03	22.979 ± 0.004	22.798 ± 0.132
DES15S1lrp	57401.1	24.067 ± 0.172	23.181 ± 0.093	22.393 ± 0.056	22.555 ± 0.077
DES15S1lrp	57408.1	$(23.855) \pm (0.468)$	22.96 ± 0.218	22.548 ± 0.143	22.561 ± 0.152
P		() = (0.100)	- v = v. - +v		

Section						
DESISS2eaq 57243.4 (24.485) ± (0.487) (26.337) ± (1.764) (1.764) ± (0.655) ± (0.187) DESISS2eaq 57256.3 (22.494) ± (0.948) (24.743) ± (0.655) ± (1.009) (24.743) ± (0.655) ± (1.009) (24.84) ± (0.755) ± (1.009) (24.855) ± (0.755	SN name	MJD	g	r	i	z
DESISS2eaq 57254.3 (24.606) ± (0.411) (24.743) ± (0.658) (23.778) ± (0.398) DESISS2eaq 57256.3 (23.675) ± (0.588) DESISS2eaq 57277.3 2(2.45.1) ± (0.38) 22.109 ± (0.096) 22.219 ± (0.033) 22.1575 ± (0.059) DESISS2eaq 57284.3 21.414 ± 0.033 21.673 ± 0.088 21.327 ± 0.038 21.362 ± 0.044 21.398 ± 0.059 DESISS2eaq 57289.2 2.318 ± 0.073 21.685 ± 0.057 21.886 ± 0.033 21.575 ± 0.059 DESISS2eaq 57299.2 21.699 ± 0.068 21.219 ± 0.067 21.098 ± 0.068 21.219 ± 0.067 21.098 ± 0.067 21.085 ± 0.067 21.085 ± 0.067 21.085 ± 0.067 21.085 ± 0.067 21.085 ± 0.067 21.085 ± 0.068 21.219 ± 0.059 21.085 ± 0.067 21.085 ± 0.085 20.995 ± 0.030 20.995 ± 0.030 20.995 ± 0.035 20.995 ± 0.036 20.995						
DESISS2eaq 5726.3 (25.404) ± (0.948)				$(26.337) \pm (1.764)$		
DESISS2eaq 57276.3 (22.454) ± (0.754) DESISS2eaq 57277.3 (21.698 ± 0.034) (26.692) ± (5.007) (21.866 ± 0.053) (21.755 ± 0.059) DESISS2eaq 57281.3 (21.411 ± 0.033) (21.273 ± 0.038) (21.362 ± 0.044) (21.398 ± 0.036) DESISS2eaq 57291.2 (21.318 ± 0.073) (21.168 ± 0.054) (21.193 ± 0.048) (21.324 ± 0.068) DESISS2eaq 57291.2 (21.318 ± 0.073) (21.168 ± 0.054) (21.193 ± 0.048) (21.324 ± 0.068) DESISS2eaq 57303.2 (22.075 ± 0.082) (21.225 ± 0.043) (21.174 ± 0.097) DESISS2eaq 57303.2 (22.075 ± 0.082) (21.225 ± 0.043) (21.174 ± 0.047) (21.148 ± 0.097) DESISS2eaq 57311.3 (21.897 ± 0.035) (21.229 ± 0.025) (21.149 ± 0.067) (21.148 ± 0.097) DESISS2eaq 57311.3 (21.897 ± 0.035) (21.229 ± 0.025) (21.105 ± 0.021) (21.033 ± 0.024) DESISS2eaq 57313.1 (21.897 ± 0.035) (21.229 ± 0.025) (21.105 ± 0.021) (21.033 ± 0.024) DESISS2eaq 57313.2 (21.962 ± 0.054) (21.244 ± 0.037) (21.03 ± 0.032) (20.593 ± 0.038) DESISS2eaq 57319.1 (21.228 ± 0.048) (21.228 ± 0.046) (20.948 ± 0.041) DESISS2eaq 57339.1 (22.228 ± 0.145) (21.196 ± 0.058) (20.98 ± 0.046) (20.948 ± 0.041) DESISS2eaq 57339.1 (22.228 ± 0.145) (21.196 ± 0.058) (20.98 ± 0.046) (20.948 ± 0.041) DESISS2eaq 57355.2 (22.223 ± 0.088) (21.23 ± 0.032) (21.017 ± 0.025) (20.893 ± 0.031) DESISS2eaq 57355.2 (22.223 ± 0.088) (21.23 ± 0.032) (21.017 ± 0.025) (20.989 ± 0.039) DESISS2eaq 57356.2 (22.223 ± 0.068) (21.234 ± 0.032) (21.047 ± 0.025) (20.948 ± 0.041) DESISS2eaq 57356.2 (22.2276 ± 0.056) (21.311 ± 0.029) (21.017 ± 0.025) (20.948 ± 0.041) DESISS2eaq 57356.2 (22.2276 ± 0.068) (21.324 ± 0.032) (21.017 ± 0.025) (20.948 ± 0.041) DESISS2eaq 57356.2 (22.2276 ± 0.068) (21.324 ± 0.032) (21.017 ± 0.025) (20.948 ± 0.041) DESISS2eaq 57356.2 (22.276 ± 0.068) (21.324 ± 0.032) (21.017 ± 0.025) (20.948 ± 0.031) DESISS2eaq 57356.2 (22.276 ± 0.068) (21.324 ± 0.032) (21.017 ± 0.025) (20.948 ± 0.031) DESISS2eaq 57356.2 (22.276 ± 0.068) (21.324 ± 0.032) (21.017 ± 0.025) (20.948 ± 0.031) DESISS2eaq 57356.2 (22.234 ± 0.032) (21.324 ± 0.032) (21.034 ± 0.032) DESISS2eaq	_			•••		. , , , , , , , , , , , , , , , , , , ,
DESISS2eaq 57276.3 (22.44) ± (0.38)			, , ,	•••	$(25.135) \pm (0.945)$	
DESISS2eaq 5728.2 21.401 ± 0.033	_					
DESISSZeeq 57284.3			, , ,			
DESISS2eaq 57291.2 21.318 ± 0.073 21.168 ± 0.054 21.193 ± 0.048 21.324 ± 0.058 21.529 ± 0.057 21.033 ± 0.048 21.188 ± 0.042 21.558 ± 0.045 21.035 ± 0.045 21.035 ± 0.045 21.035 ± 0.045 21.035 ± 0.045 21.035 ± 0.045 21.035 ± 0.045 21.035 ± 0.045 21.035 ± 0.045 21.035 ± 0.045 21.035 ± 0.045 21.035 ± 0.045 21.035 ± 0.056 21.035 ± 0.056 21.035 ± 0.056 21.035 ± 0.056 21.035 ± 0.056 21.035 ± 0.035 21.113 ± 0.032 21.215 ± 0.056 21.056 ± 0.021 21.033 ± 0.024 21.035 ± 0.035	_					
DESISS2eaq 57291.2 21.818 ± 0.073 21.168 ± 0.064 21.193 ± 0.048 21.188 ± 0.042 DESISS2eaq 57303.2 22.075 ± 0.082 21.225 ± 0.043 21.17 ± 0.044 21.229 ± 0.059 DESISS2eaq 57304.2 21.841 ± 0.043 21.251 ± 0.03 21.113 ± 0.032 21.21 ± 0.050 DESISS2eaq 57315.2 21.962 ± 0.054 21.229 ± 0.025 21.105 ± 0.021 21.033 ± 0.024 DESISS2eaq 57315.2 21.962 ± 0.054 21.244 ± 0.037 21.033 ± 0.032 20.953 ± 0.038 DESISS2eaq 57325.1 22.238 ± 0.145 21.196 ± 0.058 20.98 ± 0.042 20.948 ± 0.041 DESISS2eaq 57335.1 22.2288 ± 0.057 21.313 ± 0.037 21.017 ± 0.025 20.982 ± 0.031 DESISS2eaq 57355.2 22.228 ± 0.067 21.211 ± 0.029 21.081 ± 0.035 20.999 ± 0.039 DESISS2eaq 57355.1 22.2694 ± 0.082 21.248 ± 0.077 21.017 ± 0.025 20.982 ± 0.031 DESISS2eaq 57385.1 22.664 ± 0.03 21.148 ± 0.037 21.001 ± 0.031 20.939 ± 0.032 DESISS2eaq <	_					
DESISS2eaq 57299.2 21.09 ± 0.068 21.219 ± 0.057 21.093 ± 0.067 21.148 ± 0.095 DESI5S2eaq 57304.2 21.841 ± 0.043 21.225 ± 0.043 21.113 ± 0.032 21.21 ± 0.056 DESI5S2eaq 57311.3 21.897 ± 0.035 21.229 ± 0.025 21.105 ± 0.032 20.595 ± 0.038 DESISS2eaq 57315.1 21.897 ± 0.054 21.229 ± 0.025 21.105 ± 0.032 20.953 ± 0.038 DESISS2eaq 57325.1 22.284 ± 0.047 21.079 ± 0.042 20.969 ± 0.039 20.984 ± 0.031 DESISS2eaq 5733.1 22.284 ± 0.057 21.313 ± 0.037 21.001 ± 0.031 20.982 ± 0.031 DESISS2eaq 5735.2 22.223 ± 0.055 21.211 ± 0.029 21.081 ± 0.035 20.999 ± 0.039 20.399 ± 0.032 DESISS2eaq 5735.2 22.233 ± 0.088 21.23 ± 0.032 21.047 ± 0.026 20.94 ± 0.026 20.94 ± 0.026 20.99 ± 0.039 20.039 20.031 20.552 ± 0.024 20.99 ± 0.039 20.032 21.047 ± 0.026 20.94 ± 0.026 20.94 ± 0.026 20.94 ± 0.026 20.94 ± 0.026 20.94 ± 0.026 20.94 ± 0.026 2						
DESISS2eaq						
DESISS2eaq 57304.2 21.841 ± 0.043 21.29 ± 0.025 21.105 ± 0.021 21.035 ± 0.024 DESISS2eaq 57315.2 21.962 ± 0.054 21.224 ± 0.037 21.03 ± 0.032 20.953 ± 0.038 DESISS2eaq 57315.1 21.258 ± 0.047 21.072 ± 0.042 20.953 ± 0.038 DESISS2eaq 57325.1 21.258 ± 0.047 21.072 ± 0.042 20.969 ± 0.038 DESISS2eaq 57329.2 22.238 ± 0.145 21.109 ± 0.058 20.98 ± 0.046 20.948 ± 0.041 DESISS2eaq 57352.2 22.218 ± 0.057 21.313 ± 0.037 21.0017 ± 0.025 20.982 ± 0.033 DESISS2eaq 57355.2 22.276 ± 0.055 21.211 ± 0.029 21.081 ± 0.035 20.909 ± 0.029 DESISS2eaq 57375.1 22.684 ± 0.08 21.26 ± 0.026 21.052 ± 0.024 21.047 ± 0.025 20.94 ± 0.017 20.53 ± 0.034 21.244 ± 0.019 21.046 ± 0.018 20.946 ± 0.017 20.55 ± 0.024 21.054 ± 0.035 20.909 ± 0.039 0.032 20.94 ± 0.025 20.946 ± 0.017 20	_					
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DESI5S2eaq 57315.2 21.962 ± 0.054 21.244 ± 0.037 21.03 ± 0.032 20.953 ± 0.039 DESI5S2eaq 57325.1 22.238 ± 0.145 21.196 ± 0.058 20.98 ± 0.046 20.948 ± 0.041 DESI5S2eaq 57329.2 22.284 ± 0.039 21.248 ± 0.027 21.017 ± 0.025 20.982 ± 0.031 DESI5S2eaq 57329.2 22.218 ± 0.057 21.313 ± 0.037 21.001 ± 0.031 20.993 ± 0.032 DESI5S2eaq 57355.2 22.228 ± 0.088 21.23 ± 0.032 21.081 ± 0.035 20.994 ± 0.025 DESI5S2eaq 57355.2 22.239 ± 0.088 21.23 ± 0.032 21.047 ± 0.026 20.94 ± 0.025 DESI5S2eaq 57355.1 22.684 ± 0.08 21.26 ± 0.026 21.047 ± 0.026 20.946 ± 0.036 DESI5S2eaq 5735.1 22.684 ± 0.08 21.26 ± 0.026 21.052 ± 0.024 21.054 ± 0.036 DESI5S2eaq 57395.1 22.684 ± 0.08 21.45 ± 0.024 21.179 ± 0.023 21.035 ± 0.022 DESI5S2eaq 57396.1 22.77 ± 0.077 21.434 ± 0.029 21.195 ± 0.031 21.098 ± 0.034 DESI5S2eaq 57428.1	•					
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DESI5S2eaq 57345.2 22.276 ± 0.055 21.211 ± 0.029 21.081 ± 0.035 20.909 ± 0.039 DESI5S2eaq 57355.2 22.223 ± 0.088 21.23 ± 0.032 21.047 ± 0.026 20.94 ± 0.025 DESI5S2eaq 57355.1 22.684 ± 0.08 21.26 ± 0.026 21.052 ± 0.024 21.054 ± 0.036 DESI5S2eaq 57372.1 22.684 ± 0.08 21.26 ± 0.026 21.052 ± 0.024 21.054 ± 0.036 DESI5S2eaq 57385.1 22.664 ± 0.063 21.415 ± 0.024 21.179 ± 0.023 21.035 ± 0.022 DESI5S2eaq 57385.1 22.664 ± 0.063 21.415 ± 0.024 21.179 ± 0.023 21.035 ± 0.022 DESI5S2eaq 57396.1 22.927 ± 0.089 21.607 ± 0.035 21.295 ± 0.033 21.087 ± 0.047 DESI5S2eaq 57428.1 (28.346) ± (2.998) 21.715 ± 0.039 21.517 ± 0.036 21.297 ± 0.049 DESI5S2Eaq 57428.1 (28.346) ± (2.998) (24.835) ± (0.695) (24.308) ± (0.675) DESI5X11zp 57268.2 (24.905) ± (0.599) (24.901) ± (0.757) (27.634) ± (3.017) DESI5X11zp 57268.2 (24.905) ± (0.433) (28.552) ± (3.252) (24.098) ± (0.694) DESI5X11zp 5728.2 (24.80) ± (0.433) (28.552) ± (3.252) (23.323) ± (0.429) DESI5X11zp 57278.2 (24.603) ± (0.477) (25.124) ± (1.35) (26.633) ± (2.08) DESI5X11zp 57278.2 (23.649) ± (0.587) (25.124) ± (1.35) (26.503) ± (2.08) DESI5X11zp 57305.3 (24.603) ± (0.477) (25.124) ± (1.35) (26.503) ± (2.08) DESI5X11zp 57315.2 (24.603) ± (0.477) (26.503) ± (2.08) DESI5X11zp 57351.2 21.81 ± 0.051 22.171 ± 0.079 22.476 ± 0.116 22.47 ± 0.144 DESI5X11zp 57352.1 21.81 ± 0.051 22.171 ± 0.079 22.476 ± 0.116 22.47 ± 0.144 DESI5X11zp 57351.2 21.81 ± 0.051 22.171 ± 0.079 22.476 ± 0.116 22.47 ± 0.048 DESI5X11zp 57351.2 21.81 ± 0.051 22.171 ± 0.079 22.476 ± 0.116 22.47 ± 0.048 DESI5X11zp 57355.1 21.81 ± 0.051 22.171 ± 0.079 22.476 ± 0.116 22.47 ± 0.048 DESI5X11zp 57355.1 21.85 ± 0.028 21.075 ± 0.028 21.075 ± 0.028 21.095 ± 0.018 21.095 ± 0.033 21.237 ± 0.0	_					
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DES15S2eaq 57365.1 22.399 ± 0.044 21.243 ± 0.019 21.046 ± 0.018 20.946 ± 0.017 DES15S2eaq 57385.1 22.664 ± 0.063 21.26 ± 0.024 21.179 ± 0.023 21.035 ± 0.022 DES15S2eaq 57389.1 22.977 ± 0.077 21.434 ± 0.029 21.195 ± 0.031 21.098 ± 0.032 DES15S2eaq 57396.1 22.972 ± 0.089 21.607 ± 0.035 21.295 ± 0.033 21.098 ± 0.047 DES15S2eaq 57403.1 23.093 ± 0.127 21.715 ± 0.039 21.517 ± 0.036 21.297 ± 0.049 DES15S2eaq 57428.1 (28.346) ± (2.998) (24.308) ± (0.675) DES15X1lzp 57252.3 (25.534) ± (0.666) (24.308) ± (0.675) DES15X1lzp 57256.3 (24.905) ± (0.599) (24.901) ± (0.757) (27.634) ± (3.017) DES15X1lzp 57276.4 (25.111) ± (0.559) (24.402) ± (0.694) DES15X1lzp 57286.2 (24.805) ± (0.493) DES15X1lzp 57286.2 (24.804) ± (0.490) ± (0.588) DES15X1lzp 57286.2 (24.402) ± (0.694) DES15X1lzp 57286.2 (24.402) ± (0.599) (24.402) ± (1.351) DES15X1lzp 57286.2 (24.805) ± (0.490) ± (0.587) DES15X1lzp 57286.2 (24.805) ± (0.490) ± (0.587) DES15X1lzp 57301.3 (26.45) ± (1.683) (25.124) ± (1.33) (26.45) ± (1.683) (25.124) ± (1.33) (26.45) ± (1.683) (26.503) ± (2.08) DES15X1lzp 57315.2 (26.503) ± (2.08) DES15X1lzp 5739.3	_					
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	_		$(26.540) \pm (2.996)$			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_		(25 524) + (0 666)			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	•		$(25.554) \pm (0.000)$	•••		$(24.01) \pm (0.713)$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	-			(24 005) + (0 500)		$(27.634) \pm (3.017)$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$, , , , ,	, , , ,	
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$\begin{array}{cccccccccccccccccccccccccccccccccccc$			(20.111) ± (0.000)			(24.003) ± (0.034)
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$					(20.002) ± (0.202)	$(23\ 323) + (0\ 429)$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	_					
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	_		(23.649) + (0.587)		(25.124) + (1.35)	(211112) = (0.001)
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	•				, , , ,	$(23.791) \pm (0.808)$
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-		, , , , ,		, , , ,	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$				$(24.603) \pm (0.477)$		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_			, , , ,		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-				$(27.539) \pm (3.159)$, , , ,
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_		21.81 ± 0.051	22.171 ± 0.079		22.47 ± 0.144
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_		21.211 ± 0.018			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	DES15X1lzp	57339.0	21.258 ± 0.023	21.175 ± 0.028	21.174 ± 0.035	21.327 ± 0.048
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	DES15X1lzp	57344.2	21.305 ± 0.017	21.096 ± 0.017	21.006 ± 0.022	21.206 ± 0.033
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	DES15X1lzp	57355.2	21.491 ± 0.037	21.091 ± 0.023	20.935 ± 0.019	21.099 ± 0.027
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	DES15X1lzp	57365.1	21.645 ± 0.028	21.093 ± 0.019	20.881 ± 0.016	21.034 ± 0.022
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	DES15X1lzp	57372.0	21.682 ± 0.028	21.059 ± 0.018	• • •	• • •
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		57372.1	• • •	•••	$(25.199) \pm (2.99)$	21.007 ± 0.024
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	DES15X1lzp	57379.1	21.685 ± 0.089		20.816 ± 0.032	20.99 ± 0.032
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	DES15X1lzp	57388.0	21.76 ± 0.032	21.018 ± 0.022	20.838 ± 0.018	•••
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	DES15X1lzp		•••	•••	•••	20.96 ± 0.029
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	_	57395.1	21.778 ± 0.036	21.032 ± 0.022	20.883 ± 0.034	20.915 ± 0.053
DES15X1lzp 57427.1 22.209 \pm 0.072 21.25 \pm 0.035 20.951 \pm 0.037 21.21 \pm 0.06 DES15X2mku 57265.4 (25.547) \pm (1.3) (25.127) \pm (0.895) DES15X2mku 57273.3 (27.498) \pm (1.931)	•		21.797 ± 0.031			
DES15X2mku 57265.4 \cdots (25.547) ± (1.3) (25.127) ± (0.895) \cdots DES15X2mku 57273.3 \cdots (27.498) ± (1.931) \cdots \cdots	_					
DES15X2mku 57273.3 \cdots (27.498) ± (1.931) \cdots \cdots	_		22.209 ± 0.072			
			• • •		, , ,	• • •
DES15X2mku 57278.3 \cdots (26.84) ± (1.513) (25.251) ± (0.686) \cdots						
	DES15X2mku	57278.3	• • •	$(26.84) \pm (1.513)$	$(25.251) \pm (0.686)$	• • •

SN name	MJD	g	r	i	Z
		mag	mag	mag	mag
DES15X2mku	57286.2	$(25.799) \pm (1.093)$	• • •	• • •	• • •
DES15X2mku	57297.2	• • •	• • •	•••	$(23.283) \pm (0.817)$
DES15X2mku	57298.3	• • •	•••	$(23.863) \pm (0.879)$	•••
${ m DES15X2mku}$	57299.1	• • •	•••	• • •	$(24.932) \pm (1.331)$
DES15X2mku	57303.1	• • •	• • •	$(23.906) \pm (1.0)$	$(21.922) \pm (0.329)$
DES15X2mku	57304.2	• • •	$(27.194) \pm (2.52)$	•••	• • • •
DES15X2mku	57311.3	• • •	$(25.578) \pm (0.802)$	$(26.951) \pm (1.599)$	$(24.827) \pm (0.502)$
DES15X2mku	57315.2	$(26.626) \pm (1.637)$	$(24.843) \pm (0.585)$	$(29.286) \pm (4.284)$	•••
DES15X2mku	57319.3	• • •	• • •		$(31.17) \pm (6.751)$
DES15X2mku	57327.1	• • •	$(25.024) \pm (0.565)$	$(26.213) \pm (1.412)$	$(24.222) \pm (0.523)$
DES15X2mku	57331.1	21.739 ± 0.029	21.983 ± 0.045	22.201 ± 0.068	22.305 ± 0.1
DES15X2mku	57339.1	21.673 ± 0.029	• • •		• • • •
DES15X2mku	57339.2	• • •	21.633 ± 0.035	21.691 ± 0.046	21.893 ± 0.062
DES15X2mku	57345.1	21.579 ± 0.133	21.48 ± 0.115	21.391 ± 0.122	21.347 ± 0.228
DES15X2mku	57346.0	21.707 ± 0.047	21.556 ± 0.037	21.525 ± 0.036	21.712 ± 0.059
DES15X2mku	57356.1	21.992 ± 0.026	21.504 ± 0.023	21.419 ± 0.024	21.578 ± 0.032
DES15X2mku	57366.1	22.166 ± 0.032	21.538 ± 0.024	21.43 ± 0.027	21.563 ± 0.037
DES15X2mku	57373.1	22.265 ± 0.058	21.507 ± 0.028	21.35 ± 0.028	21.458 ± 0.035
DES15X2mku	57385.1	22.271 ± 0.051	21.5 ± 0.028	21.368 ± 0.026	21.468 ± 0.033
DES15X2mku	57389.1	22.25 ± 0.046	21.515 ± 0.027	21.384 ± 0.032	21.488 ± 0.057
DES15X2mku	57396.1	22.329 ± 0.045	21.527 ± 0.028	21.389 ± 0.032	21.421 ± 0.037
DES15X2mku	57403.1	22.486 ± 0.066	21.55 ± 0.032	21.433 ± 0.031	21.503 ± 0.036
DES15X2mku	57427.1	23.015 ± 0.122	22.042 ± 0.07	21.821 ± 0.075	21.784 ± 0.089
DES15X3mpq	57269.2	$(25.909) \pm (1.237)$	•••	• • •	• • •
DES15X3mpq	57287.2	$(25.521) \pm (1.063)$	• • •	• • •	• • •
DES15X3mpq	57291.2	•••	$(25.918) \pm (1.012)$	• • •	• • •
DES15X3mpq	57302.1	•••	• • •	• • •	$(26.058) \pm (0.819)$
DES15X3mpq	57311.3	$(26.496) \pm (0.931)$	• • •	• • •	• • •
DES15X3mpq	57315.2	$(26.616) \pm (1.165)$	• • •	• • •	• • •
DES15X3mpq	57325.1	•••	•••	• • •	$(25.569) \pm (0.657)$
DES15X3mpq	57339.0	• • •	• • •	22.611 ± 0.054	• • •
DES15X3mpq	57339.1	• • •	• • •	• • •	23.081 ± 0.089
DES15X3mpq	57339.2	22.101 ± 0.027	22.373 ± 0.026	• • •	• • •
DES15X3mpq	57345.1	22.139 ± 0.304	• • •	22.199 ± 0.032	• • •
DES15X3mpq	57345.2	• • •	• • •	• • •	22.348 ± 0.034
DES15X3mpq	57346.0	22.088 ± 0.042	• • •	• • •	• • •
DES15X3mpq	57355.2	•••	22.287 ± 0.032	22.172 ± 0.027	• • •
DES15X3mpq	57356.0	•••	• • •	• • •	22.423 ± 0.033
DES15X3mpq	57356.1	22.279 ± 0.023	• • •	• • •	• • •
DES15X3mpq	57365.1	• • •	22.352 ± 0.019	22.138 ± 0.018	• • •
DES15X3mpq	57366.1	22.799 ± 0.039	• • •	• • •	22.403 ± 0.036
DES15X3mpq	57372.1	•••	22.391 ± 0.034	22.292 ± 0.028	• • •
DES15X3mpq	57373.1	23.307 ± 0.077	• • •	• • •	22.418 ± 0.037
DES15X3mpq	57376.1	• • •	22.548 ± 0.064	• • •	• • •
DES15X3mpq	57385.0	• • •	• • •	22.323 ± 0.028	• • •
DES15X3mpq	57386.1	23.754 ± 0.094	• • •	• • •	• • •
DES15X3mpq	57387.0	• • •	• • •	• • •	22.515 ± 0.038
DES15X3mpq	57387.1	• • •	22.52 ± 0.022	• • •	• • •
DES15X3mpq	57389.1	•••	• • •	22.443 ± 0.045	• • •
DES15X3mpq	57394.1	23.836 ± 0.115	22.614 ± 0.032	• • •	• • •
DES15X3mpq	57395.0	• • •	• • •	• • •	22.534 ± 0.054
DES15X3mpq	57396.1	• • •	• • • •	22.346 ± 0.031	• • •
DES15X3mpq	57400.1	23.914 ± 0.167	• • •	• • •	• • •
DES15X3mpq	57401.0	• • •	22.561 ± 0.028	• • •	
DES15X3mpq	57402.1	•••	•••	•••	22.354 ± 0.029
DES15X3mpq	57403.1	• • •	• • • •	22.236 ± 0.029	
DES15X3mpq	57406.1	•••	22.608 ± 0.077	•••	• • •
DES15X3mpq	57408.0	$(26.588) \pm (1.832)$	• • • •		
DES15X3nad	57283.2			$(26.651) \pm (0.922)$	$(26.213) \pm (0.692)$
DES15X3nad DES15X3nad	57287.3			$(26.247) \pm (0.86)$	$(27.428) \pm (1.804)$

SN name	MJD	g	r	i	Z
		mag	mag	mag	mag
DES15X3nad	57291.2	•••	$(25.252) \pm (0.624)$	$(24.713) \pm (0.452)$	•••
DES15X3nad	57291.3	• • •	• • •		$(26.873) \pm (1.248)$
DES15X3nad	57297.3	• • •	•••	$(26.425) \pm (1.1)$	$(33.252) \pm (7.659)$
DES15X3nad	57311.1	• • •	• • •	$(25.93) \pm (0.465)$	
DES15X3nad	57311.2	(27 222)	• • •	•••	$(25.906) \pm (0.573)$
DES15X3nad	57311.3	$(27.299) \pm (1.285)$	• • •	•••	(20, 404) (2, 200)
DES15X3nad	57317.1	• • •		• • •	$(26.401) \pm (0.989)$
DES15X3nad	57319.1	• • •	$(25.311) \pm (0.756)$	•••	• • •
DES15X3nad	57327.2	• • •	$(28.585) \pm (2.191)$		···
DES15X3nad	57329.1	(27 (24) (4 222)	• • •	$(27.267) \pm (1.449)$	$(25.471) \pm (0.562)$
DES15X3nad	57331.1	$(27.124) \pm (1.232)$	•••	(07) (0 070)	•••
DES15X3nad	57339.0	• • •	• • •	$(25.773) \pm (0.656)$	
DES15X3nad	57339.1	•••	(00 = 01) (0 = 05)	•••	24.571 ± 0.306
DES15X3nad	57339.2	• • •	$(26.761) \pm (0.795)$	(00.000) . (0.000)	• • •
DES15X3nad	57345.1	• • •	• • •	$(26.237) \pm (0.754)$	(07 001) (0 001)
DES15X3nad	57345.2	• • •			$(25.221) \pm (0.381)$
DES15X3nad	57355.2	•••	24.167 ± 0.147	24.227 ± 0.142	
DES15X3nad	57356.0		• • •	•••	22.69 ± 0.039
DES15X3nad	57356.1	22.145 ± 0.017			•••
DES15X3nad	57365.1		20.609 ± 0.004	20.785 ± 0.005	
DES15X3nad	57366.1	20.284 ± 0.005			20.879 ± 0.009
DES15X3nad	57372.1		19.991 ± 0.005	20.164 ± 0.004	
DES15X3nad	57373.1	19.717 ± 0.004		•••	20.259 ± 0.005
DES15X3nad	57376.1	• • •	19.781 ± 0.005		• • •
DES15X3nad	57385.0		• • •	19.833 ± 0.003	• • •
DES15X3nad	57386.1	19.67 ± 0.004	• • •	•••	
DES15X3nad	57387.0	• • •		• • •	19.955 ± 0.004
DES15X3nad	57387.1	• • •	19.729 ± 0.003		•••
DES15X3nad	57389.1	10.00% . 0.004	10.000 . 0.000	19.866 ± 0.004	•••
DES15X3nad	57394.1	19.825 ± 0.004	19.809 ± 0.003	• • •	10.00 . 0.00
DES15X3nad	57395.0	• • •	• • • •	10.000 . 0.000	19.98 ± 0.005
DES15X3nad	57396.1		• • •	19.898 ± 0.003	•••
DES15X3nad	57400.1	20.039 ± 0.006	10.000 . 0.000	• • •	• • •
DES15X3nad	57401.0	• • • •	19.926 ± 0.003	• • •	00.050 . 0.004
DES15X3nad	57402.1	•••	•••	10.001 . 0.004	20.058 ± 0.004
DES15X3nad	57403.1	• • •	00.019 . 0.007	19.981 ± 0.004	• • •
DES15X3nad	57406.1	00 000 . 0 014	20.013 ± 0.007	•••	•••
DES15X3nad	57408.0	20.302 ± 0.014	(05 5) . (0.044)	(00.094) . (1.759)	•••
DES16C2cbv	57623.4	(05 514) . (1 000)	$(25.5) \pm (0.944)$	$(26.634) \pm (1.753)$	•••
DES16C2cbv	57627.4	$(25.514) \pm (1.002)$	• • • •	(20, 242) . (1, 227)	•••
DES16C2cbv	57633.3	(00,400) . (0,001)	•••	$(26.342) \pm (1.325)$	•••
DES16C2cbv	57637.3	$(26.462) \pm (0.931)$	•••	$(26.131) \pm (1.217)$	•••
DES16C2cbv	57643.2	$(25.13) \pm (1.184)$	•••	$(23.904) \pm (0.636)$	• • •
DES16C2cbv	57644.2 57652.4	$(25.147) \pm (1.876)$	• • •	(26 529) + (1 229)	
DES16C2cbv	57653.4	$(24.69) \pm (0.388)$	21.046 + 0.029	$(26.538) \pm (1.228)$	$(26.37) \pm (1.205)$
DES16C2cbv	57660.3	21.591 ± 0.016	21.946 ± 0.028	22.247 ± 0.045	22.359 ± 0.064
DES16C2cbv	57667.2	21.045 ± 0.012	21.173 ± 0.016	21.196 ± 0.021	21.323 ± 0.03
DES16C2cbv	57680.1		21.427 ± 0.112	21.297 ± 0.091	21.304 ± 0.097
DES16C2cbv	57681.1	21.195 ± 0.123			
DES16C2cbv	57681.2		21.116 ± 0.071	21.072 + 0.020	21.375 ± 0.071
DES16C2cby	57683.1 57686.1	21.602 ± 0.035	21.264 ± 0.033	21.072 ± 0.039	21.334 ± 0.064
DES16C2cby	57686.1	21.523 ± 0.024	21.28 ± 0.028	21.047 ± 0.034	21.409 ± 0.058
DES16C2cby	57694.2 57701.2	21.682 ± 0.018	21.346 ± 0.018	$21.041 \pm 0.021 21.042 \pm 0.017$	21.305 ± 0.033
DES16C2cbv DES16C2cbv	57701.2 57708.2	21.896 ± 0.03	21.418 ± 0.02		21.268 ± 0.024
DES16C2cbv	57708.2 57700.1		21.434 ± 0.045	21.081 ± 0.027	21.29 ± 0.031
	57709.1 57714.3	22.153 ± 0.087	21.501 ± 0.041 21.503 ± 0.031	21.022 ± 0.025 21.118 ± 0.026	21.332 ± 0.03 21.302 ± 0.045
DES16C2cby	57714.3	22.029 ± 0.042	21.503 ± 0.031	21.118 ± 0.026	21.392 ± 0.045
DES16C2cbv DES16C2cbv	57718.2 57720.0	$22.151 \pm 0.041 \\ 22.107 \pm 0.031$	21.537 ± 0.025	21.096 ± 0.022	21.386 ± 0.039
	57720.0 57720.1	22.107 ± 0.051			21.375 ± 0.029
DES16C2cbv	57720.1	•••	21.529 ± 0.024	21.15 ± 0.021	41.979 ± 0.029

SN name	MJD	g	r	i	z
DEGLACO I	F = 5 1	mag	mag	mag	mag
DES16C2cbv	57725.1	22.119 ± 0.029	21.52 ± 0.023	21.15 ± 0.023	21.24 ± 0.034
DES16C2cbv	57730.2	22.225 ± 0.063	21.555 ± 0.036	21.232 ± 0.036	21.392 ± 0.047
DES16C2cbv	57740.1	22.267 ± 0.027	21.579 ± 0.019	21.175 ± 0.016	21.383 ± 0.022
DES16C2cbv	57747.1	22.413 ± 0.03	21.66 ± 0.02	21.241 ± 0.019	21.379 ± 0.027
DES16C2cbv	57751.1	22.464 ± 0.04	21.752 ± 0.027	21.333 ± 0.027	21.403 ± 0.036
DES16C2cbv	57756.2	22.532 ± 0.044	21.824 ± 0.031	21.338 ± 0.027	21.507 ± 0.041
DES16C2cbv	57761.1	22.635 ± 0.217	22.09 ± 0.092	21.484 ± 0.053	21.533 ± 0.05
DES16C2cbv	57770.1	23.395 ± 0.149	22.165 ± 0.044	• • •	• • •
DES16C2cbv	57770.2		• • •	21.704 ± 0.033	21.8 ± 0.046
DES16C2cbv	57778.1	23.961 ± 0.166	22.661 ± 0.065	22.085 ± 0.053	22.05 ± 0.07
DES16C2cbv	57784.0	$(25.489) \pm (0.75)$	23.035 ± 0.094	22.283 ± 0.059	22.35 ± 0.077
DES16C2cbv	57791.1	$(24.757) \pm (0.698)$	23.367 ± 0.188	22.739 ± 0.1	22.63 ± 0.108
DES16C2cbv	57800.1	$(25.063) \pm (0.442)$	23.795 ± 0.23	22.885 ± 0.125	22.873 ± 0.148
DES16C3at	57615.4	21.961 ± 0.081	22.009 ± 0.023	22.221 ± 0.083	
DES16C3at	57616.3				22.148 ± 0.027
DES16C3at	57623.3	21.989 ± 0.084	21.836 ± 0.023	21.842 ± 0.02	22.017 ± 0.02
DES16C3at	57624.3	21.987 ± 0.05			
DES16C3at	57627.4		21.913 ± 0.021		
DES16C3at	57629.3			21.863 ± 0.014	
DES16C3at	57629.4	21.982 ± 0.015			
DES16C3at	57630.3	21.902 ± 0.010	•••	•••	22.082 ± 0.02
DES16C3at	57633.3		22.059 ± 0.016	•••	22.002 ± 0.02
DES16C3at	57633.4	22.135 ± 0.023	22.039 ± 0.010	21.889 ± 0.023	
		22.133 ± 0.023			
DES16C3at	57634.3			21.945 ± 0.02	22.102 ± 0.026
DES16C3at	57637.3	22.282 ± 0.026	22.13 ± 0.019		•••
DES16C3at	57638.2	• • •	• • •	22.012 ± 0.02	
DES16C3at	57638.3		00.010 . 0.004		22.186 ± 0.027
DES16C3at	57643.3	22.659 ± 0.072	22.218 ± 0.024	22.187 ± 0.034	• • •
DES16C3at	57644.2	•••	•••	22.036 ± 0.052	•••
DES16C3at	57644.3	• • •	• • •	•••	22.167 ± 0.055
DES16C3at	57645.4	22.607 ± 0.031	22.276 ± 0.017	•••	• • •
DES16C3at	57653.3	22.975 ± 0.06	22.401 ± 0.021	•••	• • •
DES16C3at	57653.4	• • •	• • •	22.142 ± 0.017	• • •
DES16C3at	57654.2	• • •	• • •	• • •	22.311 ± 0.027
DES16C3at	57660.2	23.165 ± 0.05	22.514 ± 0.018	22.237 ± 0.017	
DES16C3at	57660.3	• • •	• • •	• • •	22.463 ± 0.032
DES16C3at	57666.2	23.386 ± 0.052	• • •	• • •	• • •
DES16C3at	57666.3		22.788 ± 0.054	22.321 ± 0.024	
DES16C3at	57668.1			• • •	22.441 ± 0.053
DES16C3at	57673.3			• • •	22.565 ± 0.04
DES16C3at	57680.3		23.239 ± 0.19		
DES16C3at	57681.1	23.459 ± 0.228		22.612 ± 0.183	
DES16C3at	57681.3				22.689 ± 0.05
DES16C3at	57682.1		22.971 ± 0.065		
DES16C3at	57683.2			22.523 ± 0.031	
DES16C3at	57686.3	23.992 ± 0.132			22.739 ± 0.064
DES16C3at	57686.4		22.919 ± 0.045		
DES16C3at	57687.2	24.073 ± 0.133		22.569 ± 0.047	
DES16C3at	57694.1		23.108 ± 0.041		22.896 ± 0.07
DES16C3at	57694.3	24.267 ± 0.146	20.100 ± 0.011	22.659 ± 0.049	
DES16C3at	57701.1	24.74 ± 0.259	23.208 ± 0.042	22.009 ± 0.049	•••
DES16C3at	57701.1 57701.2	24.74 ± 0.259 	23.200 ± 0.042	22.739 ± 0.031	22.927 ± 0.044
		•••			
DES16C3at	57708.2		22 422 + 0.027	23.001 ± 0.06	23.102 ± 0.073
DES16C3at	57709.1	$(25.909) \pm (0.714)$	23.483 ± 0.087	02.051 + 0.052	02 004 + 0 075
		• • •		23.051 ± 0.053	23.224 ± 0.075
DES16C3at	57714.1	(04 000) . (0 010)			
DES16C3at DES16C3at	57714.3	$(24.669) \pm (0.316)$	23.625 ± 0.099		
DES16C3at DES16C3at DES16C3at	57714.3 57715.1	$(24.796) \pm (0.344)$	•••	•••	• • •
DES16C3at DES16C3at DES16C3at DES16C3at	57714.3 57715.1 57716.2	$(24.796) \pm (0.344)$ $(25.948) \pm (0.6)$			
DES16C3at DES16C3at DES16C3at	57714.3 57715.1	$(24.796) \pm (0.344)$	•••	•••	

CIAT) (TT)				
SN name	MJD	g	<i>r</i>	i	<i>z</i>
DEG14G9	F = 10.1	mag	mag	mag	mag
DES16C3at	57719.1	(20.144) . (0.001)	•••	•••	23.282 ± 0.063
DES16C3at	57720.2	$(26.144) \pm (0.601)$	04.111 . 0.001	•••	•••
DES16C3at	57722.3	• • •	24.111 ± 0.091		00.717 . 0.104
DES16C3at	57723.1	(00,000) . (0,50)	•••	23.278 ± 0.085	23.717 ± 0.104
DES16C3at	57725.1	$(26.096) \pm (0.58)$	04.997 . 0.100	•••	•••
DES16C3at	57729.0	• • •	24.337 ± 0.128	00.040 . 0.001	23.593 ± 0.121
DES16C3at	57730.1	(05,000) . (0,546)		23.643 ± 0.091	23.393 ± 0.121
DES16C3at	57730.2	$(25.023) \pm (0.546)$	04.010 + 0.004		•••
DES16C3at	57739.1		24.918 ± 0.224		
DES16C3at	57739.2	$(25.361) \pm (0.606)$		24.124 ± 0.122	24.09 ± 0.169
DES16C3at	57746.1	$(26.638) \pm (0.564)$	25.355 ± 0.181	24.234 ± 0.092	24.402 ± 0.161
DES16C3at	57750.2	$(27.21) \pm (1.162)$	24.635 ± 0.193	24.366 ± 0.242	
DES16C3at	57751.1	•••	 25 600 + 0.200	24.206 ± 0.136	24.585 ± 0.237
DES16C3at DES16C3at	57756.1 57756.2	•••	25.608 ± 0.308	24.136 ± 0.124	•••
				24.130 ± 0.124	
DES16C3at	57757.1 57763.1	• • •	(94 997) + (0 919)		$(25.028) \pm (0.383)$
DES16C3at	57770.1	• • •	$(24.887) \pm (0.313)$	24.068 ± 0.126	24.972 + 0.266
DES16C3at		• • •	05 000 + 0 101		24.873 ± 0.266
DES16C3at	57771.1	• • •	25.293 ± 0.181	24.273 ± 0.108	(05 100) . (0 450)
DES16C3at	57778.1	(96,020) + (1,000)	25.346 ± 0.304	24.365 ± 0.141	$(25.189) \pm (0.452)$
DES16C3at	57779.1	$(26.939) \pm (1.092)$		24.300 ± 0.141	04.741 + 0.007
DES16C3at	57782.1		25.069 ± 0.26		24.741 ± 0.287
DES16C3at	57784.1	$(25.444) \pm (0.348)$		24.502 ± 0.173	
DES16C3at	57789.1	(94.794) . (0.977)	$(25.889) \pm (1.11)$	04.096 + 0.10	$(25.532) \pm (0.627)$
DES16C3at	57791.1	$(24.784) \pm (0.877)$	(97.146) . (1.949)	24.036 ± 0.18	•••
DES16C3at	57800.1	$(27.251) \pm (1.445)$	$(27.146) \pm (1.348)$		•••
DES16C3at DES16E1ah	57803.0 57614.2	21.01 ± 0.028	20.95 ± 0.021	24.579 ± 0.166 21.011 ± 0.023	21.145 ± 0.026
DES16E1ah	57614.2 57623.2	21.01 ± 0.028 21.327 ± 0.034			21.145 ± 0.026 21.151 ± 0.024
DES16E1ah	57623.2	$(22.357) \pm (0.601)$	21.137 ± 0.023 21.3 ± 0.18	$21.027 \pm 0.02 20.99 \pm 0.102$	21.131 ± 0.024 21.136 ± 0.073
DES16E1ah	57627.4 57629.2	$(22.337) \pm (0.001)$ 21.622 ± 0.019	21.3 ± 0.18 21.225 ± 0.016	20.99 ± 0.102 21.031 ± 0.017	21.130 ± 0.073 21.208 ± 0.023
DES16E1ah	57633.2	21.899 ± 0.031	21.272 ± 0.010 21.272 ± 0.02	21.051 ± 0.017 21.058 ± 0.019	21.208 ± 0.023 21.208 ± 0.023
DES16E1ah	57637.2	21.899 ± 0.031 22.078 ± 0.043	21.272 ± 0.02 21.363 ± 0.03	21.038 ± 0.019 21.134 ± 0.028	21.208 ± 0.023 21.305 ± 0.041
DES16E1ah	57638.1	22.078 ± 0.043 22.219 ± 0.099	21.303 ± 0.03 21.381 ± 0.064	21.134 ± 0.028 21.304 ± 0.065	21.305 ± 0.041 21.235 ± 0.064
DES16E1ah	57638.1 57642.1	22.219 ± 0.099 22.112 ± 0.112	21.531 ± 0.004 21.534 ± 0.055	21.354 ± 0.003 21.155 ± 0.04	21.293 ± 0.004 21.293 ± 0.036
DES16E1ah	57645.1	22.112 ± 0.112	21.334 ± 0.033 21.419 ± 0.083	21.133 ± 0.04 21.11 ± 0.056	21.293 ± 0.030 21.247 ± 0.065
DES16E1ah	57653.1	22.976 ± 0.066	21.419 ± 0.003 21.715 ± 0.028	21.11 ± 0.030 21.327 ± 0.024	21.247 ± 0.003 21.48 ± 0.034
DES16E1ah	57653.1 57657.2	23.009 ± 0.000	21.713 ± 0.028 21.758 ± 0.032	21.327 ± 0.024 21.471 ± 0.029	21.48 ± 0.034 21.575 ± 0.039
		23.009 ± 0.07 23.121 ± 0.073			
DES16E1ah DES16E1ah	57661.1 57666.0	23.421 ± 0.073 23.421 ± 0.137	21.937 ± 0.032	$21.566 \pm 0.029 \\ 21.527 \pm 0.04$	$21.527 \pm 0.036 21.684 \pm 0.056$
DES16E1ah	57671.0	$(24.227) \pm (0.513)$	22.02 ± 0.052 22.283 ± 0.069	21.527 ± 0.04 21.684 ± 0.054	
DES16E1ah	57671.0	$(24.227) \pm (0.313)$ 23.796 ± 0.273	22.283 ± 0.009 22.477 ± 0.135		21.83 ± 0.057 21.907 ± 0.123
		$(23.764) \pm (0.496)$		21.901 ± 0.105	
DES16E1ah DES16E1ah	57681.0 57682.0	$(23.764) \pm (0.496)$ 23.826 ± 0.241	$22.182 \pm 0.2 22.495 \pm 0.087$	21.831 ± 0.18 21.992 ± 0.081	$(22.417) \pm (0.342)$ 22.301 ± 0.158
DES16E1ah DES16E1ah	57686.0 57694.0	$(24.461) \pm (0.412)$ $(25.608) \pm (0.632)$	$22.815 \pm 0.119 23.055 \pm 0.094$	22.0 ± 0.078	22.161 ± 0.123 22.363 ± 0.084
DES16E1ah	57694.0 57701.0	$(25.008) \pm (0.032)$ $(24.095) \pm (0.391)$	23.364 ± 0.182	22.28 ± 0.066 22.021 ± 0.127	22.363 ± 0.084 23.006 ± 0.166
	57701.0 57708.1	$(24.095) \pm (0.391)$	$(24.192) \pm (0.339)$	22.921 ± 0.127 22.935 ± 0.124	23.096 ± 0.166 23.244 ± 0.188
DES16E1ah DES16E1ah	57708.1 57714.0	$(25.581) \pm (0.727)$	$(24.192) \pm (0.339)$ 23.661 ± 0.207	$22.935 \pm 0.124 23.411 \pm 0.191$	23.244 ± 0.188
DES16E1ah	57714.0	$(25.561) \pm (0.721)$	23.001 ± 0.207	25.411 ± 0.191	
DES16E1ah		$(24.687) \pm (0.539)$		$(24.274) \pm (0.541)$	23.528 ± 0.254
DES16E1ah	57718.0 57710.0	$(24.087) \pm (0.539)$ $(26.416) \pm (1.177)$	23.577 ± 0.247 24.324 ± 0.204		23.2 ± 0.252
	57719.0 57723.1	$(26.416) \pm (1.177)$ $(27.5) \pm (1.936)$	24.324 ± 0.294 24.189 ± 0.286	23.628 ± 0.207 23.275 ± 0.175	23.807 ± 0.257 (23.806) \pm (0.438)
DES16E1ah	57723.1 57730.0		24.189 ± 0.286	23.275 ± 0.175	$(23.896) \pm (0.438)$
DES16E1ah	57730.0 57730.1	$(25.289) \pm (0.78)$	$(24.627) \pm (0.424)$	23.556 ± 0.169	
DES16E1ah DES16E1ah	57730.1 57740.0	24.552 ± 0.217	24.483 ± 0.212	23.542 ± 0.108	23.851 ± 0.234
DES16E1ah	57740.0 57740.1	24.552 ± 0.217	24.465 ± 0.212	25.542 ± 0.108	24.04 ± 0.199
DES16E1ah	57740.1	• • • •	24.248 ± 0.242	23.581 ± 0.151	24.04 ± 0.199
DES16E1ah	57747.0		24.246 ± 0.242	25.581 ± 0.151	23.805 ± 0.217
			•••		
DES16E1ah	57751.1	•••	•••	23.48 ± 0.223	$(24.114) \pm (0.428)$

SN name	MJD	g	r	i	z
DES16E1ah	57759.1	mag	mag	mag	mag (24.112) + (0.240)
DES16E1ah	57759.1	•••	$(24.758) \pm (0.524)$	23.559 ± 0.2 (24.113) \pm (0.322)	$(24.112) \pm (0.349)$
DES16E1ah	57772.0 57772.1		$(25.015) \pm (0.591)$	$(24.113) \pm (0.322)$	$(24.258) \pm (0.449)$
DES16E1ah	57780.0	•••	$(27.263) \pm (2.514)$	$(25.707) \pm (1.294)$	$(24.215) \pm (0.449)$ $(24.215) \pm (0.551)$
DES16E1bkh	57614.2	$(27.25) \pm (2.402)$	$(27.203) \pm (2.314)$	$(23.707) \pm (1.294)$ $(24.436) \pm (0.457)$	$(24.213) \pm (0.331)$ $(26.127) \pm (1.341)$
DES16E1bkh	57623.2	$(21.20) \pm (2.402)$	•••	$(24.430) \pm (0.437)$ $(29.535) \pm (4.27)$	$(20.127) \pm (1.341)$
DES16E1bkh	57625.2 57627.4		$(25.118) \pm (2.079)$	$(29.555) \pm (4.21)$	
DES16E1bkh	57627.4 57629.2	$(26.238) \pm (0.871)$	$(26.532) \pm (1.225)$	$(25.531) \pm (0.813)$	•••
DES16E1bkh	57633.2	(20.230) ± (0.011)	(20.002) ± (1.220)	(25.551) ± (0.515)	$(26.261) \pm (1.344)$
DES16E1bkh	57637.2	$(24.904) \pm (0.491)$	•••		(20.201) ± (1.944)
DES16E1bkh	57638.1	$(24.31) \pm (0.556)$			
DES16E1bkh	57642.1	$(25.179) \pm (0.030)$ $(25.179) \pm (1.139)$			$(23.94) \pm (0.459)$
DES16E1bkh	57645.1	(20.170) ± (1.100)	$(24.358) \pm (0.868)$	$(24.2) \pm (0.717)$	$(24.334) \pm (0.784)$
DES16E1bkh	57653.1	22.41 ± 0.046	21.752 ± 0.033	21.424 ± 0.03	21.317 ± 0.031
DES16E1bkh	57657.2	22.575 ± 0.054	21.756 ± 0.036	21.331 ± 0.029	21.219 ± 0.031
DES16E1bkh	57661.1	22.704 ± 0.058	21.788 ± 0.032	21.383 ± 0.028	21.192 ± 0.028
DES16E1bkh	57666.0	22.863 ± 0.093	22.152 ± 0.064	21.529 ± 0.044	21.303 ± 0.042
DES16E1bkh	57671.0	22.979 ± 0.198	22.041 ± 0.06	21.687 ± 0.058	21.439 ± 0.042
DES16E1bkh	57680.0	23.548 ± 0.233	22.808 ± 0.186	22.115 ± 0.132	21.794 ± 0.113
DES16E1bkh	57681.0	$(24.522) \pm (0.852)$	$(23.11) \pm (0.449)$	21.958 ± 0.212	$(22.573) \pm (0.391)$
DES16E1bkh	57682.0	23.318 ± 0.166	22.5 ± 0.095	21.829 ± 0.074	21.728 ± 0.098
DES16E1bkh	57686.0	23.783 ± 0.253	23.038 ± 0.157	21.893 ± 0.076	21.743 ± 0.087
DES16E1bkh	57694.0	24.345 ± 0.267	22.812 ± 0.086	22.003 ± 0.057	21.879 ± 0.057
DES16E1bkh	57701.0	$(24.001) \pm (0.373)$	22.703 ± 0.113	22.038 ± 0.065	21.885 ± 0.061
DES16E1bkh	57708.1	23.805 ± 0.27	23.203 ± 0.159	22.113 ± 0.065	21.993 ± 0.065
DES16E1bkh	57714.0	$(24.406) \pm (0.329)$	23.228 ± 0.159	22.159 ± 0.072	• • •
DES16E1bkh	57714.1	•••	• • •	• • •	22.097 ± 0.078
DES16E1bkh	57718.0	• • •	23.425 ± 0.234	22.244 ± 0.114	22.232 ± 0.115
DES16E1bkh	57719.0	$(24.977) \pm (0.484)$	23.36 ± 0.149	22.317 ± 0.075	22.081 ± 0.063
DES16E1bkh	57723.1	$(24.97) \pm (0.462)$	23.503 ± 0.18	22.426 ± 0.091	22.088 ± 0.1
DES16E1bkh	57730.0	$(25.503) \pm (0.91)$	23.449 ± 0.173	22.412 ± 0.068	• • •
DES16E1bkh	57730.1	•••	•••	•••	22.382 ± 0.069
DES16E1bkh	57740.0	•••	24.681 ± 0.295	23.173 ± 0.094	
DES16E1bkh	57740.1	(2.4.702) (2.422)	(20,222) (4,422)		23.219 ± 0.11
DES16E1bkh	57747.0	$(24.793) \pm (0.428)$	$(26.382) \pm (1.183)$	23.581 ± 0.168	
DES16E1bkh	57747.1	(05 400) (0 550)	• • •	(22.222) (2.222)	23.563 ± 0.187
DES16E1bkh	57751.1	$(25.469) \pm (0.773)$	• • •	$(23.892) \pm (0.338)$	23.193 ± 0.217
DES16E1bkh	57759.1	$(24.096) \pm (0.499)$	(94 FCF) . (0 457)	23.354 ± 0.18	23.369 ± 0.194
DES16E1bkh DES16E1bkh	57772.0	$(24.708) \pm (0.613)$	$(24.565) \pm (0.457)$	23.515 ± 0.212	22 620 + 0 227
DES16E1bkh	57772.1 57780.0		$(25.097) \pm (0.899)$	23.376 ± 0.268	23.629 ± 0.287 $(23.608) \pm (0.361)$
DES16S1gn	57615.3	• • •	$(25.762) \pm (0.899)$ $(25.762) \pm (1.304)$	$(25.568) \pm (1.31)$	$(25.66) \pm (0.301)$ $(25.66) \pm (1.8)$
DES16S1gn	57625.3	22.274 ± 0.153	$(23.016) \pm (0.352)$	$(23.308) \pm (1.31)$ 23.28 ± 0.297	$(25.00) \pm (1.8)$ 22.915 ± 0.153
DES16S1gn	57626.3	22.436 ± 0.065	$(23.010) \pm (0.332)$ 22.378 ± 0.068	23.28 ± 0.297 22.646 ± 0.107	22.769 ± 0.148
DES16S1gn	57633.3	22.536 ± 0.06	22.459 ± 0.008	22.659 ± 0.101	22.703 ± 0.148 22.512 ± 0.108
DES16S1gn	57637.3	22.573 ± 0.068	22.526 ± 0.087	22.439 ± 0.098	22.629 ± 0.15
DES16S1gn	57643.3	22.4 ± 0.143	22.377 ± 0.113	22.443 ± 0.118	22.311 ± 0.115
DES16S1gn	57645.2		22.481 ± 0.18	22.636 ± 0.18	22.467 ± 0.156
DES16S1gn	57653.3	23.315 ± 0.179	22.563 ± 0.097	22.498 ± 0.082	22.545 ± 0.079
DES16S1gn	57660.2	23.687 ± 0.149	22.536 ± 0.07	22.62 ± 0.101	22.371 ± 0.089
DES16S1gn	57666.2	24.165 ± 0.244	22.747 ± 0.094	22.362 ± 0.086	22.156 ± 0.089
DES16S1gn	57671.2	24.208 ± 0.281	22.697 ± 0.07	22.575 ± 0.061	22.442 ± 0.064
DES16S1gn	57681.3	$(27.323) \pm (2.815)$	23.054 ± 0.183	22.729 ± 0.129	22.351 ± 0.101
DES16S1gn	57686.1	$(24.351) \pm (0.363)$	22.848 ± 0.154		
DES16S1gn	57686.2	•••		22.787 ± 0.207	22.313 ± 0.196
DES16S1gn	57687.2	$(24.327) \pm (0.44)$	22.836 ± 0.176	22.418 ± 0.155	22.389 ± 0.204
DES16S1gn	57688.1	$(26.436) \pm (1.141)$	23.008 ± 0.108	22.654 ± 0.109	22.192 ± 0.09
DES16S1gn	57695.1	$(24.709) \pm (0.406)$	22.951 ± 0.124	22.427 ± 0.096	22.239 ± 0.098
DES16S1gn	57702.1	$(24.833) \pm (0.729)$	23.316 ± 0.176	22.44 ± 0.084	22.201 ± 0.075
DES16S1gn	57709.2	•••	22.697 ± 0.167	22.53 ± 0.12	22.473 ± 0.1

SN name	MJD	g	r	i	z
		mag	mag	mag	mag
DES16S1gn	57710.1	$(25.229) \pm (0.46)$	22.8 ± 0.081	22.51 ± 0.085	22.192 ± 0.078
DES16S1gn	57715.1	•••	23.184 ± 0.191	22.556 ± 0.147	22.34 ± 0.161
DES16S1gn	57716.0		23.123 ± 0.226	22.524 ± 0.186	
DES16S1gn	57716.1				22.252 ± 0.175
DES16S1gn	57717.0	$(27.415) \pm (1.702)$	22.774 ± 0.066	22.545 ± 0.072	
DES16S1gn	57717.1	•••			22.433 ± 0.078
DES16S1gn	57721.0	$(25.607) \pm (0.877)$	22.863 ± 0.121	22.953 ± 0.215	22.091 ± 0.118
DES16S1gn	57725.1	$(25.058) \pm (0.413)$	23.196 ± 0.103		
DES16S1gn	57725.2	•••		22.581 ± 0.074	22.236 ± 0.074
DES16S1gn	57739.1	$(26.578) \pm (1.059)$	23.091 ± 0.093	22.536 ± 0.076	22.391 ± 0.089
DES16S1gn	57746.1	$(25.921) \pm (0.533)$	23.134 ± 0.069	22.625 ± 0.053	22.501 ± 0.066
DES16S1gn	57750.1	24.416 ± 0.312	23.189 ± 0.148	22.667 ± 0.119	22.495 ± 0.127
DES16S1gn	57756.1	$(26.619) \pm (1.41)$	23.992 ± 0.292	22.732 ± 0.117	22.5 ± 0.107
DES16S1gn	57770.1	$(27.994) \pm (2.103)$	23.546 ± 0.126	22.924 ± 0.096	22.782 ± 0.112
DES16S1gn	57778.1	(21.001) ± (2.100)	23.602 ± 0.253	23.224 ± 0.036 23.224 ± 0.245	23.125 ± 0.273
DES16S1gn	57782.1	$(24.697) \pm (0.454)$	$(24.897) \pm (0.6)$	$(23.966) \pm (0.323)$	23.293 ± 0.228 23.293 ± 0.228
DES16X1ev	57615.4	$(24.037) \pm (0.434)$ 21.863 ± 0.026	21.383 ± 0.025	$(25.500) \pm (0.525)$ 21.516 ± 0.035	23.233 ± 0.223 21.543 ± 0.04
DES16X1ey	57624.3	22.122 ± 0.099	21.505 ± 0.025	21.010 ± 0.000	21.549 ± 0.04 21.582 ± 0.076
DES16X1ey DES16X1ey	57624.3 57625.3	22.122 ± 0.099 22.076 ± 0.067	21.488 ± 0.05	•••	21.532 ± 0.070 21.531 ± 0.013
DES16X1ey DES16X1ey	57625.4	22.076 ± 0.007 22.036 ± 0.045	21.481 ± 0.024	21.385 ± 0.023	21.49 ± 0.026
		22.030 ± 0.045	21.401 ± 0.024	21.363 ± 0.023 21.433 ± 0.012	21.49 ± 0.020
DES16X1ey	57626.3				
DES16X1ey	57629.2	22.127 ± 0.048	21.561 ± 0.036	21.401 ± 0.035	21.53 ± 0.041
DES16X1ey	57631.3	22.138 ± 0.027	21.463 ± 0.01	•••	
DES16X1ey	57631.4	• • •	•••		21.525 ± 0.013
DES16X1ey	57633.2			21.484 ± 0.016	• • •
DES16X1ey	57633.3	22.137 ± 0.044	21.548 ± 0.035	21.446 ± 0.039	
DES16X1ey	57633.4		•••	•••	21.564 ± 0.054
DES16X1ey	57636.2	22.219 ± 0.031		•••	
DES16X1ey	57636.3	•••	21.513 ± 0.014		21.544 ± 0.023
DES16X1ey	57637.2	22.253 ± 0.055	21.519 ± 0.036	21.388 ± 0.035	21.534 ± 0.047
DES16X1ey	57637.3	• • •	• • •	21.383 ± 0.016	• • •
DES16X1ey	57642.3	22.271 ± 0.029	21.424 ± 0.013	• • •	• • •
DES16X1ey	57642.4	• • •	• • •	• • •	21.462 ± 0.016
DES16X1ey	57643.2	• • •	21.991 ± 0.15	21.434 ± 0.073	21.534 ± 0.087
DES16X1ey	57644.2	• • •	21.619 ± 0.099	21.469 ± 0.082	21.656 ± 0.154
DES16X1ey	57645.2	• • •	21.451 ± 0.076	21.402 ± 0.059	21.693 ± 0.092
DES16X1ey	57645.3	22.51 ± 0.115	21.441 ± 0.023	• • •	21.45 ± 0.019
DES16X1ey	57645.4	• • •	• • •	21.491 ± 0.019	• • •
DES16X1ey	57646.2		• • •	21.327 ± 0.068	
DES16X1ey	57653.2	22.407 ± 0.05	21.458 ± 0.024	21.344 ± 0.026	21.366 ± 0.031
DES16X1ey	57653.3				21.45 ± 0.015
DES16X1ey	57655.2		21.472 ± 0.013	21.454 ± 0.013	
DES16X1ey	57657.2	22.358 ± 0.067	21.464 ± 0.04	21.349 ± 0.044	21.438 ± 0.047
DES16X1ey	57657.3	22.371 ± 0.033			
DES16X1ey	57660.2				21.453 ± 0.015
DES16X1ey	57660.4		21.477 ± 0.015		
DES16X1ey	57662.2			21.331 ± 0.012	
DES16X1ey	57662.3	22.44 ± 0.044	21.505 ± 0.024	21.314 ± 0.024	21.411 ± 0.032
DES16X1ey	57663.2	22.447 ± 0.033			
DES16X1ey	57664.1		21.54 ± 0.014		
DES16X1ey	57664.2	•••	21.01 ± 0.011		21.426 ± 0.016
DES16X1ey	57669.1	22.96 ± 0.191	21.472 ± 0.042	21.332 ± 0.047	21.420 ± 0.010 21.491 ± 0.057
DES16X1ey	57670.1	22.679 ± 0.191 22.679 ± 0.079	21.472 ± 0.042	21.332 ± 0.047	21.491 ± 0.057
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DES16X1ey	57671.1	22.475 ± 0.193	21.545 ± 0.127	21.385 ± 0.075	21.475 ± 0.056
DES16X1ey	57673.3	•••	•••	21.464 ± 0.025	
DES16X1ey	57680.1	00.00 + 0.070	• • •	•••	21.48 ± 0.136
DES16X1ey	57681.1	22.89 ± 0.072	01.004 . 0.054	01.40 . 0.046	01.00% . 0.0%0
DECLOSES	5768T 1	22.633 ± 0.165	21.684 ± 0.054	21.49 ± 0.046	21.605 ± 0.052
DES16X1ey	57681.2			04 400 5:	01 210
DES16X1ey DES16X1ey DES16X1ey	57681.3 57686.1	23.261 ± 0.174	21.923 ± 0.078	21.499 ± 0.021 21.651 ± 0.09	21.543 ± 0.022 21.733 ± 0.112

SN name	MJD	g	r	i	z
DES16X1ey	57686.3	mag	mag	mag	mag
				21.613 ± 0.024 21.726 ± 0.084	
DES16X1ey DES16X1ey	57687.1 57694.1	22.789 ± 0.115 23.211 ± 0.099	21.707 ± 0.056 21.915 ± 0.038	21.720 ± 0.084 21.645 ± 0.039	21.74 ± 0.114 21.738 ± 0.054
DES16X1ey DES16X1ey	57694.1	25.211 ± 0.099	21.910 ± 0.056	21.045 ± 0.059	21.738 ± 0.034 21.911 ± 0.027
DES16X1ey	57701.1	23.045 ± 0.202	22.083 ± 0.078	22.015 ± 0.081	21.861 ± 0.027 21.861 ± 0.069
DES16X1ey DES16X1ey	57701.1 57702.1	23.045 ± 0.202	22.003 ± 0.070	22.015 ± 0.061	21.801 ± 0.009 22.062 ± 0.028
DES16X1ey	57702.1	•••	21.943 ± 0.231	22.303 ± 0.043	22.002 ± 0.028 22.178 ± 0.143
DES16X1ey	57709.0	$(26.3) \pm (1.305)$	21.943 ± 0.231 22.523 ± 0.085	22.303 ± 0.043 22.282 ± 0.089	22.178 ± 0.143 22.286 ± 0.103
DES16X1ey	57709.0	24.095 ± 0.15	22.585 ± 0.03	22.202 ± 0.009	22.347 ± 0.039
DES16X1ey	57714.1	24.030 ± 0.13	22.000 ± 0.00	23.2 ± 0.083	22.047 ± 0.009
DES16X1ey	57714.2	24.126 ± 0.219	23.454 ± 0.152	22.83 ± 0.118	22.678 ± 0.133
DES16X1ey	57715.0		$(22.331) \pm (0.34)$		
DES16X1ey	57718.1		23.58 ± 0.175	23.156 ± 0.15	23.165 ± 0.188
DES16X1ey	57718.2		20.00 ± 0.110	23.789 ± 0.105	
DES16X1ey	57720.2		23.727 ± 0.11		
DES16X1ey	57722.1		23.649 ± 0.159	23.113 ± 0.159	$(23.959) \pm (0.437)$
DES16X1ey	57725.0		23.786 ± 0.099		
DES16X1ey	57725.1				23.96 ± 0.182
DES16X1ey	57728.0		$(24.79) \pm (0.612)$	23.586 ± 0.232	23.311 ± 0.187
DES16X1ey	57730.1			23.606 ± 0.094	
DES16X1ey	57730.2		$(25.28) \pm (0.762)$		
DES16X1ey	57739.1	$(25.438) \pm (0.74)$	$(24.229) \pm (0.343)$	23.104 ± 0.136	23.585 ± 0.096
DES16X1ey	57739.2	$(25.317) \pm (0.782)$	•••		
DES16X1ey	57740.1	•••	23.596 ± 0.079	23.751 ± 0.089	
DES16X1ey	57744.1	$(24.694) \pm (0.34)$	23.571 ± 0.174	23.477 ± 0.179	23.451 ± 0.206
DES16X1ey	57747.1	•••	23.903 ± 0.078	23.868 ± 0.109	
DES16X1ey	57750.0	$(24.26) \pm (0.389)$	$(24.108) \pm (0.318)$	23.372 ± 0.188	• • •
DES16X1ey	57750.1	$(24.709) \pm (0.524)$	• • •	• • •	23.431 ± 0.222
DES16X1ey	57752.1	• • •	24.138 ± 0.127	24.015 ± 0.149	• • •
DES16X1ey	57756.1	$(25.614) \pm (0.891)$	$(24.926) \pm (0.597)$	$(24.017) \pm (0.353)$	$(24.034) \pm (0.415)$
DES16X1ey	57762.1	•••	• • •	24.14 ± 0.244	• • •
DES16X1ey	57763.1	• • •	23.847 ± 0.216	$(24.117) \pm (0.436)$	23.348 ± 0.221
DES16X1ey	57770.0	$(25.794) \pm (0.634)$	• • •	• • •	• • •
DES16X1ey	57771.0	• • •	• • •	• • •	24.139 ± 0.148
DES16X1ey	57772.1	•••	•••	24.512 ± 0.231	•••
DES16X1ey	57773.1	24.053 ± 0.162	24.032 ± 0.193	23.451 ± 0.135	23.411 ± 0.153
DES16X1ey	57778.0	$(25.992) \pm (0.945)$	•••	•••	
DES16X1ey	57779.1	• • •	• • •	(20,222) (2,222)	24.201 ± 0.302
DES16X1ey	57780.1	• • •	(0.4.1 =) (0.0.40)	$(26.388) \pm (0.999)$	(24.452) (2.625)
DES16X1ey	57781.1	•••	$(24.17) \pm (0.342)$	$(24.43) \pm (0.519)$	$(24.473) \pm (0.627)$
DES16X1ey	57791.0	(00.001) . (0.057)	•••	$(25.235) \pm (0.819)$	•••
DES16X2bkr	57625.2	$(23.981) \pm (0.357)$	•••	(24 408) + (0 572)	(27 706) + (2 700)
DES16X2bkr	57625.3 57631.2	•••	• • • • • • • • • • • • • • • • • • • •	$(24.498) \pm (0.573)$	$(27.706) \pm (2.799)$
DES16X2bkr	57631.2 57635.2	$(25.321) \pm (0.916)$		$(26.549) \pm (1.53)$ $(23.79) \pm (0.702)$	$(25.059) \pm (1.318)$
DES16X2bkr DES16X2bkr	57635.2 57636.2	$(25.321) \pm (0.916)$ $(25.096) \pm (0.578)$	$(25.95) \pm (1.044)$	$(23.79) \pm (0.702)$	$(25.059) \pm (1.318)$ $(26.186) \pm (1.423)$
DES16X2bkr	57642.3	$(25.090) \pm (0.578)$	$(26.985) \pm (1.044)$ $(26.985) \pm (1.81)$		$(25.594) \pm (0.934)$
DES16X2bkr	57642.3 57645.2		(20.965) ± (1.61)	$(24.987) \pm (1.467)$	$(23.394) \pm (0.934)$ $(24.327) \pm (0.842)$
DES16X2bkr	57653.3	21.981 ± 0.05	22.285 ± 0.05	$(24.987) \pm (1.407)$ 22.377 ± 0.058	22.569 ± 0.072
DES16X2bkr	57657.2	21.831 ± 0.03 21.831 ± 0.03	21.948 ± 0.037	22.129 ± 0.051	22.309 ± 0.072 22.322 ± 0.072
DES16X2bkr	57662.4	21.849 ± 0.034	21.948 ± 0.037 21.923 ± 0.046	21.869 ± 0.056	22.322 ± 0.072 22.23 ± 0.094
DES16X2bkr	57669.1	22.013 ± 0.055	21.917 ± 0.049	21.898 ± 0.064	21.962 ± 0.078
DES16X2bkr	57673.3			21.809 ± 0.001 21.809 ± 0.155	$(22.712) \pm (0.401)$
DES16X2bkr	57680.1				22.045 ± 0.186
DES16X2bkr	57681.1	22.474 ± 0.061	22.018 ± 0.067	21.864 ± 0.099	22.082 ± 0.14
DES16X2bkr	57686.1	22.975 ± 0.122	22.111 ± 0.085	21.831 ± 0.09	22.112 ± 0.133
DES16X2bkr	57687.1	23.032 ± 0.102	22.244 ± 0.076	21.867 ± 0.07	21.885 ± 0.088
DES16X2bkr	57694.2	23.171 ± 0.085	22.257 ± 0.056	21.875 ± 0.062	22.068 ± 0.08
DES16X2bkr	57701.1	23.071 ± 0.199	22.394 ± 0.091	22.007 ± 0.074	22.251 ± 0.096
$\mathrm{DES16X2bkr}$	57708.1		$(22.398) \pm (0.367)$		22.256 ± 0.148
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SN name	MJD	g	r	i	z
		mag	mag	mag	mag
DES16X2bkr	57709.0	23.511 ± 0.128	22.417 ± 0.063	21.989 ± 0.05	22.195 ± 0.07
DES16X2bkr	57714.2	23.813 ± 0.15	22.444 ± 0.054	22.055 ± 0.054	22.254 ± 0.084
DES16X2bkr	57718.1	23.722 ± 0.154	22.599 ± 0.072	22.196 ± 0.055	22.376 ± 0.064
DES16X2bkr	57722.1	23.938 ± 0.137	22.574 ± 0.053	22.15 ± 0.051	22.416 ± 0.084
DES16X2bkr	57728.0	23.531 ± 0.171	22.81 ± 0.082	• • •	
DES16X2bkr	57728.1	• • •	• • •	22.17 ± 0.055	22.507 ± 0.085
DES16X2bkr	57739.1	23.904 ± 0.289	22.778 ± 0.092	22.304 ± 0.069	22.781 ± 0.118
DES16X2bkr	57744.1	24.325 ± 0.237	22.942 ± 0.094	22.374 ± 0.068	22.675 ± 0.108
DES16X2bkr	57750.1	$(25.539) \pm (0.601)$	23.022 ± 0.092	22.316 ± 0.068	22.611 ± 0.106
DES16X2bkr	57756.1	$(24.346) \pm (0.368)$	23.313 ± 0.149	22.649 ± 0.104	22.785 ± 0.135
DES16X2bkr	57763.1	$(24.497) \pm (0.815)$	23.41 ± 0.238	22.657 ± 0.114	23.154 ± 0.164
DES16X2bkr	57772.1	• • •	24.035 ± 0.262	22.973 ± 0.147	23.292 ± 0.248
DES16X2bkr	57780.1	$(25.411) \pm (0.698)$	•••	$(23.87) \pm (0.318)$	23.415 ± 0.269
DES16X2bkr	57789.1	•••	$(23.447) \pm (0.547)$	$(24.347) \pm (0.785)$	$(23.515) \pm (0.386)$
DES16X3cpl	57614.3	• • •	• • •	$(25.655) \pm (0.605)$	
DES16X3cpl	57614.4	$(26.157) \pm (0.567)$	$(25.759) \pm (0.437)$		
DES16X3cpl	57624.3	$(27.337) \pm (2.838)$	•••		
DES16X3cpl	57625.3	$(25.205) \pm (0.811)$			$(25.602) \pm (0.415)$
DES16X3cpl	57626.3	•••		$(25.437) \pm (0.383)$	
DES16X3cpl	57631.3	$(25.747) \pm (0.471)$	$(26.044) \pm (0.43)$	•••	
DES16X3cpl	57633.2	•••	•••	$(25.975) \pm (0.65)$	
DES16X3cpl	57636.2	$(26.327) \pm (0.771)$			
DES16X3cpl	57636.3	•••	25.07 ± 0.28		$(25.889) \pm (0.808)$
DES16X3cpl	57637.3			24.757 ± 0.279	•••
DES16X3cpl	57642.3	$(28.034) \pm (1.759)$	$(26.308) \pm (0.686)$		
DES16X3cpl	57642.4	•••	•••		$(27.632) \pm (1.779)$
DES16X3cpl	57643.2			24.402 ± 0.232	
DES16X3cpl	57645.3	$(23.963) \pm (0.374)$	$(26.32) \pm (1.1)$		$(26.06) \pm (0.848)$
DES16X3cpl	57645.4			$(25.01) \pm (0.363)$	
DES16X3cpl	57655.2	• • •	24.728 ± 0.206	$(26.375) \pm (0.715)$	
DES16X3cpl	57657.3	$(26.114) \pm (0.601)$	• • •	• • •	
DES16X3cpl	57660.4	• • •	$(25.288) \pm (0.362)$	• • •	
DES16X3cpl	57662.2	• • •	•••	25.003 ± 0.264	
DES16X3cpl	57663.2	$(26.557) \pm (0.775)$	• • •	• • •	
DES16X3cpl	57664.1	•••	$(26.175) \pm (0.624)$	• • •	• • •
DES16X3cpl	57669.1	•••	•••	$(25.114) \pm (0.378)$	• • •
DES16X3cpl	57671.1	• • •	$(25.95) \pm (0.687)$	• • •	• • •
DES16X3cpl	57673.3	•••	•••	$(25.136) \pm (0.529)$	• • •
DES16X3cpl	57681.1	23.882 ± 0.153	•••	• • •	• • •
DES16X3cpl	57681.2	• • •	23.298 ± 0.096		
DES16X3cpl	57681.3	•••	•••	23.283 ± 0.094	23.435 ± 0.115
DES16X3cpl	57686.1	23.516 ± 0.106	23.256 ± 0.074	•••	• • •
DES16X3cpl	57686.3	• • •	•••	22.987 ± 0.077	•••
DES16X3cpl	57687.1	• • •	• • • •	• • •	23.222 ± 0.141
DES16X3cpl	57694.1	23.582 ± 0.078	23.172 ± 0.045	22.772 ± 0.047	•••
DES16X3cpl	57695.1	•••	•••	•••	22.86 ± 0.061
DES16X3cpl	57701.1	23.683 ± 0.191	23.09 ± 0.05	22.845 ± 0.041	•••
DES16X3cpl	57702.1	• • •	• • • •	• • •	22.851 ± 0.053
DES16X3cpl	57708.1	• • •	• • •	22.723 ± 0.058	• • •
DES16X3cpl	57709.1	24.008 ± 0.115	23.095 ± 0.039	• • •	22.745 ± 0.053
DES16X3cpl	57714.1	• • •	• • • •	22.54 ± 0.043	•••
DES16X3cpl	57714.2	24.235 ± 0.137	• • • •	• • •	•••
DES16X3cpl	57715.0	•••	23.118 ± 0.063	•••	• • •
DES16X3cpl	57715.1	• • •	• • • •	• • •	22.845 ± 0.075
DES16X3cpl	57718.1	24.007 ± 0.081	• • • •	• • •	•••
DES16X3cpl	57718.2	• • •	• • •	22.737 ± 0.037	• • •
DES16X3cpl	57720.2	• • •	23.218 ± 0.061	• • •	• • •
DES16X3cpl	57721.1	•••	• • •	•••	22.806 ± 0.075
DES16X3cpl	57723.0	24.096 ± 0.178	•••	22.617 ± 0.041	•••
DES16X3cpl	57725.0	•••	23.202 ± 0.051	•••	•••

SN name	MJD	g	r	i magam	Z
DEC16V21	E770F 1	mag	mag	mag	mag
DES16X3cpl	57725.1			22.761 ± 0.039	22.761 ± 0.061
DES16X3cpl	57730.1	$(25.301) \pm (0.533)$			•••
DES16X3cpl	57730.2	• • • •	22.819 ± 0.108	•••	
DES16X3cpl	57739.1	(0.4 7.40) (0.400)	•••	•••	22.828 ± 0.044
DES16X3cpl	57739.2	$(24.549) \pm (0.406)$			• • •
DES16X3cpl	57740.1		23.284 ± 0.039	22.667 ± 0.028	
DES16X3cpl	57744.1	24.568 ± 0.193	•••		22.795 ± 0.037
DES16X3cpl	57747.1		23.291 ± 0.036	22.692 ± 0.034	•••
DES16X3cpl	57750.1	24.767 ± 0.26	• • •	•••	22.767 ± 0.059
DES16X3cpl	57752.1		23.29 ± 0.053	22.665 ± 0.039	• • •
DES16X3cpl	57756.1	$(25.29) \pm (0.417)$	• • •	•••	• • •
DES16X3cpl	57757.1	• • •	•••	•••	22.687 ± 0.052
DES16X3cpl	57762.1	• • • •	• • • •	22.67 ± 0.064	• • •
DES16X3cpl	57763.1	• • •	23.38 ± 0.127		
DES16X3cpl	57770.0	$(25.462) \pm (0.407)$	•••	•••	• • •
DES16X3cpl	57771.0				22.802 ± 0.041
DES16X3cpl	57772.1			22.71 ± 0.045	
DES16X3cpl	57773.1		23.47 ± 0.044		
DES16X3cpl	57778.0	$(24.824) \pm (0.366)$			
DES16X3cpl	57779.1		• • •		22.713 ± 0.067
DES16X3cpl	57780.1			22.677 ± 0.048	
DES16X3cpl	57781.1		23.19 ± 0.072		
DES16X3cpl	57782.0	$(25.218) \pm (0.521)$			
DES16X3cpl	57791.0	(20.210) = (0.021)		22.817 ± 0.124	
DES16X3dvb	57642.3	$(29.576) \pm (2.983)$	$(27.05) \pm (1.059)$		
DES16X3dvb	57642.4	(23.510) ± (2.505)	(21.05) ± (1.055)		$(25.848) \pm (0.604)$
DES16X3dvb	57645.3	$(25.607) \pm (1.085)$	$(25.752) \pm (0.756)$	•••	$(24.985) \pm (0.376)$
DES16X3dvb	57655.2	(20.001) ± (1.000)	$(26.708) \pm (0.875)$ $(26.708) \pm (0.875)$		(24.300) ± (0.310
DES16X3dvb	57657.3	$(28.301) \pm (1.902)$	(20.700) ± (0.070)	•••	
	57660.2	$(26.301) \pm (1.902)$	•••	•••	
DES16X3dvb					$(25.192) \pm (0.372)$
DES16X3dvb	57660.4	(96,699) . (9,764)	$(26.015) \pm (0.594)$	•••	• • •
DES16X3dvb	57663.2	$(26.682) \pm (0.764)$	•••	•••	(05 51) . (0.400)
DES16X3dvb	57664.2	•••	•••	(20.10=) (4.020)	$(25.51) \pm (0.483)$
DES16X3dvb	57669.1	(20.000) (1.120)	•••	$(30.107) \pm (4.028)$	•••
DES16X3dvb	57670.1	$(26.276) \pm (1.126)$	(20 = 11) (1 10=)	•••	(07.44.) (0.004
DES16X3dvb	57671.1	• • •	$(26.741) \pm (1.107)$	•••	$(25.414) \pm (0.331)$
DES16X3dvb	57681.2	•••	$(25.077) \pm (0.41)$	•••	•••
DES16X3dvb	57681.3	• • •	• • •	$(25.721) \pm (0.651)$	$(28.631) \pm (2.848)$
DES16X3dvb	57686.1	• • • •	$(27.198) \pm (1.37)$	• • • •	• • •
DES16X3dvb	57686.3	• • • •	• • • •	$(29.542) \pm (3.695)$	• • •
DES16X3dvb	57687.1	• • •	•••	• • •	$(26.26) \pm (1.247)$
DES16X3dvb	57694.1	$(26.707) \pm (0.834)$	•••	$(26.222) \pm (0.764)$	•••
${ m DES16X3dvb}$	57695.1	•••	•••	•••	$(25.477) \pm (0.518)$
DES16X3dvb	57701.1	$(25.42) \pm (0.651)$	$(26.292) \pm (0.679)$	$(26.227) \pm (0.661)$	•••
DES16X3dvb	57702.1	•••		•••	$(26.699) \pm (1.063)$
DES16X3dvb	57708.1			$(24.819) \pm (0.339)$	•••
DES16X3dvb	57709.1	$(25.588) \pm (0.373)$	25.223 ± 0.241	•••	$(25.396) \pm (0.473)$
DES16X3dvb	57714.1	•••	•••	24.168 ± 0.171	•••
DES16X3dvb	57714.2	24.649 ± 0.169			
DES16X3dvb	57715.0		24.14 ± 0.156		
DES16X3dvb	57715.1		21.11 ± 0.100		23.899 ± 0.178
DES16X3dvb	57718.1	23.918 ± 0.064		•••	29.033 ± 0.170
DES16X3dvb	57718.2	25.510 ± 0.004		23.746 ± 0.087	
DES16X3dvb	57720.2		23.447 ± 0.071	23.740 ± 0.007	
		•••	25.447 ± 0.071	•••	
DES16X3dvb	57721.1				23.214 ± 0.102
DES16X3dvb	57723.0	23.336 ± 0.082	22 004 + 0.04	23.156 ± 0.065	• • •
DES16X3dvb	57725.0	•••	22.994 ± 0.04	• • •	00.000 + 0.001
DES16X3dvb	57725.1		•••		22.809 ± 0.061
DES16X3dvb	57730.1	22.776 ± 0.06	• • •	22.715 ± 0.035	• • •
DES16X3dvb	57730.2		22.905 ± 0.108		

CINI	MID			•	
SN name	MJD	g	r	i	Z maga m
DES16X3dvb	57739.1	mag	mag	mag	$\frac{\text{mag}}{22.46 \pm 0.03}$
DES16X3dvb	57739.1	22.297 ± 0.056	•••	•••	22.40 ± 0.03
DES16X3dvb	57740.1	22.297 ± 0.000	22.313 ± 0.016	22.451 ± 0.022	
DES16X3dvb	57744.1	22.288 ± 0.024	22.313 ± 0.010	22.401 ± 0.022	22.386 ± 0.024
DES16X3dvb	57747.1	22.200 ± 0.024	22.201 ± 0.013	22.328 ± 0.023	22.300 ± 0.024
DES16X3dvb	57750.1	22.277 ± 0.025	22.201 ± 0.010	22.920 ± 0.029	22.3 ± 0.036
DES16X3dvb	57752.1	22.211 ± 0.020	22.194 ± 0.019	22.327 ± 0.028	22.0 ± 0.000
DES16X3dvb	57756.1	22.295 ± 0.029			
DES16X3dvb	57757.1		•••		22.242 ± 0.033
DES16X3dvb	57762.1			22.156 ± 0.04	
DES16X3dvb	57763.1		22.165 ± 0.041		
DES16X3dvb	57770.0	22.449 ± 0.029			
DES16X3dvb	57771.0				22.32 ± 0.025
DES16X3dvb	57772.1			22.253 ± 0.028	
DES16X3dvb	57773.1		22.281 ± 0.015		
DES16X3dvb	57778.0	22.736 ± 0.056		• • •	
DES16X3dvb	57779.1				22.283 ± 0.043
DES16X3dvb	57780.1			22.447 ± 0.037	
DES16X3dvb	57781.1		22.438 ± 0.035		
DES16X3dvb	57782.0	22.818 ± 0.063			
DES16X3dvb	57791.0	• • •	• • •	22.308 ± 0.076	• • •
DES16X3jj	57614.3	• • •	• • •	21.748 ± 0.021	21.849 ± 0.029
DES16X3jj	57614.4	21.651 ± 0.012	21.679 ± 0.013	• • •	•••
DES16X3jj	57624.3	22.116 ± 0.086	•••	• • •	• • •
DES16X3jj	57625.3	22.285 ± 0.07	21.989 ± 0.074		22.16 ± 0.02
DES16X3jj	57626.3	• • •	• • •	22.021 ± 0.019	• • •
DES16X3jj	57631.3	22.491 ± 0.027	22.202 ± 0.016	• • •	• • •
DES16X3jj	57631.4	•••	•••	• • •	22.32 ± 0.024
DES16X3jj	57633.2	•••	•••	22.256 ± 0.028	•••
DES16X3jj	57636.2	22.945 ± 0.042	•••	• • •	
DES16X3jj	57636.3	•••	22.713 ± 0.034		22.671 ± 0.055
DES16X3jj	57637.3			22.538 ± 0.039	•••
DES16X3jj	57642.3	23.734 ± 0.071	23.231 ± 0.053	•••	
DES16X3jj	57642.4	•••	•••	00.00	22.955 ± 0.054
DES16X3jj	57643.2	(94 441) . (0 401)	23.267 ± 0.106	23.33 ± 0.086	02.000 + 0.000
DES16X3jj	57645.3	$(24.441) \pm (0.491)$	25.207 ± 0.100	23.409 ± 0.092	23.206 ± 0.082
DES16X3jj DES16X3jj	57645.4 57653.2	24.486 ± 0.203	•••	23.409 ± 0.092	•••
			•••	• • • •	23.644 ± 0.097
DES16X3jj DES16X3jj	57653.3 57655.2	• • •	23.986 ± 0.102	23.644 ± 0.076	23.044 ± 0.097
DES16X3jj	57657.3	24.697 ± 0.17	25.960 ± 0.102	23.044 ± 0.070	
DES16X3jj	57660.2	24.037 ± 0.17	•••	•••	23.385 ± 0.077
DES16X3jj	57660.4		23.942 ± 0.109		20.000 ± 0.011
DES16X3jj	57662.2			23.642 ± 0.078	
DES16X3jj	57663.2	24.781 ± 0.176			
DES16X3jj	57664.1		24.13 ± 0.117		
DES16X3jj	57664.2				23.588 ± 0.097
DES16X3jj	57669.1			23.412 ± 0.086	
DES16X3jj	57670.1	24.319 ± 0.275		• • •	
DES16X3jj	57671.1		23.887 ± 0.132	• • •	23.417 ± 0.059
DES16X3jj	57673.3			23.66 ± 0.156	
DES16X3jj	57681.1	$(25.619) \pm (0.522)$			•••
DES16X3jj	57681.2	•••	24.353 ± 0.23		• • •
DES16X3jj	57681.3	• • •	• • •	23.631 ± 0.129	23.955 ± 0.167
DES16X3jj	57686.1	$(25.908) \pm (0.601)$	$(25.277) \pm (0.381)$	•••	•••
DES16X3jj	57686.3	•••	•••	24.015 ± 0.178	•••
DES16X3jj	57687.1	•••	•••		24.103 ± 0.272
DES16X3jj	57694.1	$(25.58) \pm (0.385)$	25.257 ± 0.268	24.704 ± 0.244	
DES16X3jj	57695.1			•••	24.347 ± 0.206
DES16X3jj	57701.1	$(24.776) \pm (0.402)$	$(26.362) \pm (0.721)$	24.764 ± 0.221	•••

SN name	MJD	g	r	i	z
		mag	mag	mag	mag
DES16X3jj	57702.1	• • •	• • •	•••	$(25.392) \pm (0.436)$
DES16X3jj	57708.1	•••	•••	$(24.757) \pm (0.33)$	•••
DES16X3jj	57709.1	$(25.434) \pm (0.322)$	$(26.389) \pm (0.601)$	•••	$(25.289) \pm (0.424)$
DES16X3jj	57714.1	•••	• • •	$(25.149) \pm (0.375)$	• • •
DES16X3jj	57714.2	$(26.748) \pm (0.829)$	•••	•••	•••
DES16X3jj	57715.0	• • •	$(28.076) \pm (1.981)$	•••	•••
DES16X3jj	57715.1	•••	•••	•••	$(25.91) \pm (0.794)$
DES16X3jj	57718.1	25.527 ± 0.259	•••	•••	•••
DES16X3jj	57718.2	• • •	•••	24.814 ± 0.216	•••
DES16X3jj	57721.1	• • •	•••	•••	$(27.255) \pm (1.754)$
DES16X3jj	57723.0	• • •	•••	$(26.023) \pm (0.667)$	•••
DES16X3jj	57725.1	• • •	•••	•••	$(26.264) \pm (0.914)$
DES16X3jj	57730.1	• • •	···	$(25.335) \pm (0.347)$	• • •
DES16X3jj	57730.2	···	$(25.181) \pm (0.68)$	•••	•••
DES16X3jj	57739.2	$(24.818) \pm (0.475)$	•••	•••	•••
DES16X3jj	57740.1	• • •	$(26.405) \pm (0.523)$	$(28.081) \pm (1.691)$	
DES16X3jj	57744.1	• • •			$(28.655) \pm (2.246)$
DES16X3jj	57747.1	• • •	$(26.927) \pm (0.693)$	$(30.96) \pm (4.475)$	• • •
DES16X3jj	57752.1		•••	$(25.953) \pm (0.595)$	•••
DES16X3jj	57756.1	$(26.459) \pm (0.849)$	•••	•••	
DES16X3jj	57771.0	• • •	•••		$(26.824) \pm (0.984)$
DES16X3jj	57772.1	···	•••	$(26.369) \pm (0.824)$	• • •
DES16X3jj	57778.0	$(28.392) \pm (2.574)$	•••	•••	•••
DES16X3jj	57779.1	•••	•••	•••	$(25.105) \pm (0.462)$
DES16X3jj	57782.0	$(27.802) \pm (2.062)$	•••	•••	• • •
DES16X3jj	57791.0	• • •	•••	$(24.787) \pm (0.577)$	•••
DES16X3km	57614.3	•••	•••	20.189 ± 0.005	20.221 ± 0.007
DES16X3km	57614.4	20.775 ± 0.007	20.182 ± 0.004	•••	• • •
DES16X3km	57624.3	20.787 ± 0.029		•••	
DES16X3km	57625.3	20.82 ± 0.021	20.154 ± 0.014	•••	20.157 ± 0.004
DES16X3km	57626.3			20.108 ± 0.004	• • •
DES16X3km	57631.3	20.846 ± 0.008	20.138 ± 0.003	•••	
DES16X3km	57631.4	• • •	•••	•••	20.142 ± 0.004
DES16X3km	57633.2	•••	•••	20.117 ± 0.004	• • •
DES16X3km	57636.2	20.876 ± 0.008		•••	
DES16X3km	57636.3	• • •	20.129 ± 0.004	•••	20.127 ± 0.006
DES16X3km	57637.3	•••	•••	20.101 ± 0.005	• • •
DES16X3km	57642.3	20.912 ± 0.008	20.13 ± 0.004	•••	
DES16X3km	57642.4	• • •	•••		20.125 ± 0.005
DES16X3km	57643.2		•••	20.118 ± 0.005	
DES16X3km	57645.3	21.045 ± 0.03	20.159 ± 0.007		20.13 ± 0.006
DES16X3km	57645.4	•••	•••	20.108 ± 0.005	• • •
DES16X3km	57653.2	21.021 ± 0.011	•••	•••	
DES16X3km	57653.3	• • •	•••	•••	20.155 ± 0.005
DES16X3km	57655.2	• • •	20.21 ± 0.004	20.152 ± 0.004	• • •
DES16X3km	57657.3	21.102 ± 0.009	•••	•••	• • •
DES16X3km	57660.2	• • •	•••	•••	20.23 ± 0.005
DES16X3km	57660.4	• • •	20.283 ± 0.005	•••	• • •
DES16X3km	57662.2	• • •	•••	20.233 ± 0.004	• • • •
DES16X3km	57663.2	21.241 ± 0.01	•••	• • •	• • •
DES16X3km	57664.1	• • •	20.334 ± 0.005	•••	• • •
DES16X3km	57664.2	• • •	•••		20.281 ± 0.005
DES16X3km	57669.1	•••	•••	20.344 ± 0.006	• • •
DES16X3km	57670.1	21.457 ± 0.024	•••	• • •	•••
DES16X3km	57671.1	• • •	20.478 ± 0.007	• • • •	20.375 ± 0.004
DES16X3km	57673.3	• • •	• • •	20.452 ± 0.009	
	57681.1	22.071 ± 0.029	• • •	•••	• • •
DES16X3km DES16X3km	57681.2	• • •	20.889 ± 0.011	• • •	• • •
	57681.2 57681.3 57686.1	 22.48 ± 0.038	20.889 ± 0.011 21.251 ± 0.012	20.75 ± 0.009	20.73 ± 0.01

CM	MID	~		<u> </u>	
SN name	MJD	g	r	i mag	Z mag
DES16X3km	57686.3	mag	mag	$\frac{\text{mag}}{21.089 \pm 0.013}$	mag
DES16X3km	57687.1	•••	•••	21.009 ± 0.013	21.108 ± 0.021
DES16X3km	57694.1	23.348 ± 0.059	21.906 ± 0.014	21.87 ± 0.02	21.100 ± 0.021
DES16X3km	57695.1	25.540 ± 0.005	21.900 ± 0.014	21.07 ± 0.02	21.643 ± 0.02
DES16X3km	57701.1	23.645 ± 0.167	22.038 ± 0.019	21.966 ± 0.018	21.045 ± 0.02
DES16X3km	57702.1	20.010 ± 0.101	22.000 ± 0.013	21.000 ± 0.010	21.75 ± 0.019
DES16X3km	57708.1	• • •		22.065 ± 0.032	
DES16X3km	57709.1	23.563 ± 0.072	22.115 ± 0.016		21.795 ± 0.022
DES16X3km	57714.1			22.211 ± 0.03	
DES16X3km	57714.2	23.592 ± 0.073			
DES16X3km	57715.0	• • •	22.217 ± 0.026		• • •
DES16X3km	57715.1	• • •	•••		21.906 ± 0.031
DES16X3km	57718.1	23.555 ± 0.05			
DES16X3km	57718.2		• • •	22.213 ± 0.022	
DES16X3km	57720.2		22.227 ± 0.024		• • •
DES16X3km	57721.1	• • •	• • •	• • •	21.91 ± 0.033
DES16X3km	57723.0	23.639 ± 0.11	•••	22.258 ± 0.028	• • •
DES16X3km	57725.0	• • •	22.242 ± 0.021	• • •	•••
DES16X3km	57725.1	• • •	•••	• • •	21.906 ± 0.027
DES16X3km	57730.1	24.137 ± 0.207	•••	22.362 ± 0.027	• • •
DES16X3km	57730.2	•••	22.362 ± 0.07	• • •	
DES16X3km	57739.1		•••	•••	22.088 ± 0.022
DES16X3km	57739.2	24.147 ± 0.286			•••
DES16X3km	57740.1		22.42 ± 0.017	22.495 ± 0.023	00.155 . 0.00
DES16X3km	57744.1	23.775 ± 0.09			22.175 ± 0.02
DES16X3km DES16X3km	57747.1	23.931 ± 0.111	22.455 ± 0.017	22.613 ± 0.031	22.132 ± 0.032
DES16X3km	57750.1 57752.1	25.951 ± 0.111	22.469 ± 0.024	22.67 ± 0.038	22.132 ± 0.032
DES16X3km	57756.1	24.361 ± 0.181	22.409 ± 0.024	22.07 ± 0.038	•••
DES16X3km	57757.1	24.501 ± 0.101			22.292 ± 0.036
DES16X3km	57762.1	• • •	•••	22.81 ± 0.071	
DES16X3km	57763.1		22.53 ± 0.058		
DES16X3km	57770.0	24.06 ± 0.12			
DES16X3km	57771.0				22.403 ± 0.029
DES16X3km	57772.1	• • •	•••	22.988 ± 0.052	
DES16X3km	57773.1	• • •	22.676 ± 0.021		
DES16X3km	57778.0	24.314 ± 0.23	• • •		
DES16X3km	57779.1	• • •	• • •	• • •	22.45 ± 0.052
DES16X3km	57780.1	•••	•••	23.013 ± 0.062	•••
DES16X3km	57781.1	• • •	22.786 ± 0.047	• • •	• • •
DES16X3km	57782.0	24.582 ± 0.298	• • •	• • •	• • •
DES16X3km	57791.0	•••	•••	23.277 ± 0.177	•••
DES17C2pf	57989.4	23.578 ± 0.173	22.298 ± 0.161	22.41 ± 0.168	22.389 ± 0.158
DES17C2pf	57994.3	23.568 ± 0.154	22.631 ± 0.097	22.225 ± 0.085	22.419 ± 0.124
DES17C2pf	57998.4	23.568 ± 0.122	22.414 ± 0.066	22.254 ± 0.076	22.177 ± 0.079
DES17C2pf	58007.3	(22 040) + (0 405)	22.546 ± 0.176	22.235 ± 0.117	22.108 ± 0.095
DES17C2pf DES17C2pf	58008.3	$(23.848) \pm (0.405)$	22.313 ± 0.092	22.069 ± 0.074	22.023 ± 0.078
DES17C2pf	58008.4 58015.2	23.435 ± 0.162	22.381 ± 0.084	22.009 ± 0.074 22.085 ± 0.082	22.023 ± 0.078 22.108 ± 0.089
DES17C2pf	58019.2	23.492 ± 0.092	22.33 ± 0.044	21.953 ± 0.042	22.023 ± 0.054
DES17C2pf	58026.3	$(22.518) \pm (0.857)$	22.33 ± 0.044	21.955 ± 0.042	$(22.415) \pm (0.987)$
DES17C2pf	58028.2	(22.010) ± (0.001)	22.305 ± 0.179	21.777 ± 0.087	22.058 ± 0.169
DES17C2pf	58029.2	$(27.398) \pm (3.397)$	22.224 ± 0.133	21.784 ± 0.084	21.93 ± 0.098
DES17C2pf	58036.2	23.375 ± 0.221	22.244 ± 0.066	21.751 ± 0.039	21.931 ± 0.047
DES17C2pf	58041.1	23.88 ± 0.201	22.245 ± 0.07	21.722 ± 0.061	21.853 ± 0.068
DES17C2pf	58047.2	23.701 ± 0.158	22.16 ± 0.048	21.721 ± 0.043	21.869 ± 0.057
DES17C2pf	58054.1	$(24.111) \pm (0.402)$	22.29 ± 0.09	21.922 ± 0.082	21.996 ± 0.126
DES17C2pf	58057.3	23.974 ± 0.106	22.401 ± 0.04	21.881 ± 0.036	21.925 ± 0.048
DES17C2pf	58064.3	$(24.087) \pm (0.611)$	22.415 ± 0.162	22.309 ± 0.091	22.183 ± 0.072
DES17C2pf	58071.3	24.479 ± 0.193	23.139 ± 0.081	22.491 ± 0.066	22.52 ± 0.078

SN name	MJD	g	r	i	z
DEG: ES:	F00=	mag	mag	mag	mag
DES17C2pf	58076.3	24.678 ± 0.259	23.295 ± 0.1	22.687 ± 0.086	22.758 ± 0.121
DES17C2pf	58082.3	24.949 ± 0.31	23.506 ± 0.117	22.76 ± 0.084	22.895 ± 0.112
DES17C2pf	58086.1	$(25.83) \pm (1.737)$	23.009 ± 0.248	23.103 ± 0.233	22.912 ± 0.223
DES17C2pf	58093.2	$(24.098) \pm (0.477)$	23.395 ± 0.2	22.988 ± 0.13	23.152 ± 0.157
DES17C2pf	58099.2	$(24.951) \pm (0.323)$	24.142 ± 0.275	23.109 ± 0.185	23.188 ± 0.244
DES17C2pf	58108.1	$(26.183) \pm (0.572)$	23.786 ± 0.105	23.125 ± 0.081	23.109 ± 0.09
DES17C2pf	58117.2	$(25.227) \pm (1.184)$	23.574 ± 0.269	23.298 ± 0.161	23.159 ± 0.132
DES17C2pf	58125.1	$(25.655) \pm (0.328)$	23.919 ± 0.097	23.207 ± 0.081	23.323 ± 0.108
DES17C2pf	58132.1	$(25.329) \pm (0.382)$	24.235 ± 0.186	23.138 ± 0.101	23.279 ± 0.15
DES17C2pf	58139.1	$(25.038) \pm (0.361)$	24.087 ± 0.194	23.254 ± 0.105	23.574 ± 0.159
DES17C3aye	57986.4	$(26.829) \pm (1.098)$		•••	$(25.58) \pm (0.572)$
DES17C3aye	57987.3	(27 001) . (1 010)	24.493 ± 0.18	•••	•••
DES17C3aye	57991.4	$(27.091) \pm (1.219)$	25.118 ± 0.272	(05 501) . (0 601)	(05 004) . (0 000)
DES17C3aye	57992.3	(05 100) . (0.669)	• • • •	$(25.721) \pm (0.601)$	$(25.964) \pm (0.909)$
DES17C3aye	57996.4	$(25.189) \pm (0.663)$	• • •	•••	(0.4.600) . (0.40%)
DES17C3aye	57998.3	•••	(00.054) . (0.494)	• • •	$(24.699) \pm (0.485)$
DES17C3aye	57999.3	•••	$(28.054) \pm (2.434)$	•••	(05 055) . (0 040)
DES17C3aye	58003.3	(05 005) . (1 45)	23.382 ± 0.148	•••	$(25.875) \pm (0.642)$
DES17C3aye	58007.3	$(25.995) \pm (1.45)$		•••	•••
DES17C3aye	58007.4	• • •	23.907 ± 0.139	•••	(00 555) . (0 04)
DES17C3aye	58010.3	04.000 . 0.040		•••	$(26.557) \pm (0.84)$
DES17C3aye	58014.2	24.892 ± 0.249	23.491 ± 0.063	04.60% . 0.000	•••
DES17C3aye	58019.3	•••	• • • •	24.685 ± 0.208	
DES17C3aye	58019.4	01.000 . 0.010	00.004 . 0.001	•••	25.056 ± 0.285
DES17C3aye	58021.2	21.606 ± 0.018	22.024 ± 0.021	•••	01 000 . 0 101
DES17C3aye	58026.3	•••	•••	•••	21.088 ± 0.181
DES17C3aye	58028.2		01 140 . 0 014	• • •	21.359 ± 0.015
DES17C3aye	58028.3	20.991 ± 0.019	21.148 ± 0.014	•••	01 004 - 0 010
DES17C3aye	58036.3	21.196 ± 0.025	20.974 ± 0.014	01.00% . 0.010	21.234 ± 0.012
DES17C3aye	58037.2	01.05 . 0.014	01 174 . 0 000	21.065 ± 0.012	01.000 . 0.010
DES17C3aye	58040.3	21.35 ± 0.014	21.174 ± 0.009	01 14 + 0 00	21.269 ± 0.012
DES17C3aye	58041.2			21.14 ± 0.02	
DES17C3aye	58045.3	21.563 ± 0.015	21.247 ± 0.01	21.078 ± 0.01	21.264 ± 0.013
DES17C3aye	58046.1			21.078 ± 0.01	•••
DES17C3aye	58052.1	• • •	21.262 ± 0.011		21.319 ± 0.014
DES17C3aye	58052.2	01 000 . 0 010	•••	•••	
DES17C3aye	58052.3	21.922 ± 0.019	• • •	01 100 + 0 019	•••
DES17C3aye	58053.1	00 000 + 0 046	01 077 + 0 011	21.102 ± 0.013	01 200 + 0 011
DES17C3aye	58057.2	22.239 ± 0.046	21.277 ± 0.011	01 107 + 0 011	21.328 ± 0.011
DES17C3aye	58057.3		01.076 . 0.017	21.127 ± 0.011	
DES17C3aye	58064.2	• • •	21.376 ± 0.017	21.171 ± 0.011	21 260 + 0.014
DES17C3aye	58064.3	22 548 + 0.052	•••	•••	21.369 ± 0.014
DES17C3aye	58067.1 58071.2	22.548 ± 0.052	21.46 ± 0.01	21.237 ± 0.012	21.446 ± 0.013
DES17C3aye	58071.2 58074.0	22.968 ± 0.051	21.40 ± 0.01	21.237 ± 0.012	21.440 ± 0.013
DES17C3aye	58074.0 58076.3	22.908 ± 0.051			•••
DES17C3aye	58076.3 58070.1	•••	21.73 ± 0.016	21.374 ± 0.017	21.482 ± 0.016
DES17C3aye	58079.1		•••	•••	21.482 ± 0.016
DES17C3aye	58079.2 58082.2	22.899 ± 0.045	21.587 ± 0.012	21.423 ± 0.015	•••
DES17C3aye			21.587 ± 0.012	21.423 ± 0.013	•••
DES17C3aye	58084.2	23.396 ± 0.088	•••	•••	
DES17C3aye	58084.3	•••			21.542 ± 0.016
DES17C3aye DES17C3aye	58092.1	•••	22.038 ± 0.059	21.514 ± 0.021	21.602 ± 0.019
-	58092.2 58003.0		•••	•••	21.002 ± 0.019
DES17C3aye	58093.0 58007.2	23.37 ± 0.075	21.723 ± 0.016	•••	•••
DES17C3aye	58097.2 58007.3	• • • •	21.723 ± 0.016	21.524 ± 0.016	•••
DES17C3aye	58097.3 58000.1	•••	•••	21.524 ± 0.016	
DES17C3aye	58099.1		•••	•••	21.618 ± 0.02
DES17C3aye DES17C3aye	58099.2 58101.2	23.29 ± 0.084	22.001 ± 0.02	21.586 ± 0.016	•••
DES17C3aye DES17C3aye	58101.2 58107.1	23.414 ± 0.069	22.001 ± 0.02	21.380 ± 0.010	•••
DESTICSaye	00101.1	40.414 ± 0.009	• • •	•••	- • •

Car	3.575				
SN name	MJD	g	r	i	Z
DEC17/09	F0107.0	mag	mag	mag	mag
DES17C3aye	58107.2	•••	01.000 - 0.014	01 500 . 0.010	21.707 ± 0.017
DES17C3aye	58108.2	00.450 . 0.050	21.966 ± 0.014	21.583 ± 0.013	•••
DES17C3aye	58112.2	23.453 ± 0.073	01.000 . 0.049	01.71 . 0.001	01 707 . 0 000
DES17C3aye	58117.1		21.866 ± 0.043	21.71 ± 0.021	21.785 ± 0.029
DES17C3aye	58122.1	23.919 ± 0.185			
DES17C3aye	58124.1		22.153 ± 0.016	21.806 ± 0.014	01 026 + 0 017
DES17C3aye	58124.2	(04,000) . (0,050)			21.936 ± 0.017
DES17C3aye	58126.2	$(24.908) \pm (0.352)$	22.607 ± 0.061	• • •	•••
DES17C3aye	58130.1		22.007 ± 0.001		•••
DES17C3aye	58132.0	•••		21.937 ± 0.024	22.119 ± 0.022
DES17C3aye DES17C3aye	58132.1 58133.1	24.213 ± 0.172	•••	•••	22.119 ± 0.022
		24.213 ± 0.172	22.228 ± 0.021	•••	• • • •
DES17C3aye DES17C3aye	58137.1 58138.1	•••	22.228 ± 0.021	21.988 ± 0.027	22.174 ± 0.032
DES17C3aye DES17C3aye	58139.1	24.483 ± 0.179	•••	21.900 ± 0.021	22.174 ± 0.032
DES17C3aye DES17C3bei	57996.4	24.403 ± 0.179	$(25.88) \pm (1.324)$	•••	
DES17C3bei	58007.4	•••	$(27.095) \pm (1.324)$ $(27.095) \pm (1.324)$	•••	•••
DES17C3bei	58021.2	$(25.401) \pm (0.432)$	$(27.099) \pm (1.324)$	•••	
DES17C3bei	58026.3	(20.401) ± (0.452)	•••	•••	21.709 ± 0.308
DES17C3bei	58028.2	•••	•••	•••	21.709 ± 0.008 21.932 ± 0.025
DES17C3bei	58028.3	22.285 ± 0.059	22.007 ± 0.03	•••	21.932 ± 0.023
DES17C3bei	58036.3	22.159 ± 0.059 22.159 ± 0.059	21.625 ± 0.023	•••	21.573 ± 0.017
DES17C3bei	58037.2	22.103 ± 0.003	21.020 ± 0.020	21.378 ± 0.013	21.070 ± 0.017
DES17C3bei	58040.3	21.809 ± 0.02	21.363 ± 0.01	21.570 ± 0.015	21.409 ± 0.013
DES17C3bei	58041.2	21.003 ± 0.02	21.505 ± 0.01	21.224 ± 0.018	21.403 ± 0.013
DES17C3bei	58045.3	21.699 ± 0.017	21.21 ± 0.009	21.221 ± 0.010	21.219 ± 0.012
DES17C3bei	58046.1			21.044 ± 0.009	
DES17C3bei	58052.1		21.454 ± 0.012		
DES17C3bei	58052.2				21.374 ± 0.014
DES17C3bei	58052.3	22.685 ± 0.036			
DES17C3bei	58053.1			21.233 ± 0.013	
DES17C3bei	58057.2	23.216 ± 0.104	21.826 ± 0.017		21.55 ± 0.013
DES17C3bei	58057.3			21.412 ± 0.012	
DES17C3bei	58064.2		22.105 ± 0.031	21.718 ± 0.016	
DES17C3bei	58064.3		•••		21.81 ± 0.02
DES17C3bei	58067.1	24.093 ± 0.204	•••		
DES17C3bei	58071.2		22.504 ± 0.023	22.074 ± 0.019	21.981 ± 0.02
DES17C3bei	58074.0	23.979 ± 0.122			
DES17C3bei	58076.3		22.924 ± 0.043	21.881 ± 0.023	
DES17C3bei	58079.1				22.321 ± 0.032
DES17C3bei	58079.2	24.161 ± 0.13			
DES17C3bei	58082.2		22.841 ± 0.035	22.392 ± 0.03	
DES17C3bei	58084.2	24.187 ± 0.173	• • •		• • •
DES17C3bei	58084.3	•••	•••	• • •	22.298 ± 0.031
DES17C3bei	58092.1	• • •	23.111 ± 0.149	22.564 ± 0.049	• • •
DES17C3bei	58092.2	• • •	• • •	• • •	22.458 ± 0.039
DES17C3bei	58093.0	24.245 ± 0.161	•••	• • •	•••
DES17C3bei	58097.2	•••	23.138 ± 0.052	• • •	•••
DES17C3bei	58097.3	• • •	•••	22.74 ± 0.041	•••
DES17C3bei	58099.1	• • •	•••	• • •	22.498 ± 0.044
DES17C3bei	58099.2	24.049 ± 0.165	•••	•••	•••
DES17C3bei	58101.2	• • •	23.324 ± 0.059	22.838 ± 0.041	•••
DES17C3bei	58107.1	24.139 ± 0.123	•••	•••	•••
DES17C3bei	58107.2	•••	•••	•••	22.637 ± 0.038
DES17C3bei	58108.2	•••	23.163 ± 0.036	22.784 ± 0.029	•••
DES17C3bei	58112.2	24.21 ± 0.135	• • •	• • •	• • •
DES17C3bei	58117.1	• • •	• • •	23.082 ± 0.068	22.848 ± 0.073
DES17C3bei	58122.1	23.897 ± 0.171	• • •	• • •	•••
DES17C3bei	58124.1	• • •	23.373 ± 0.041	23.144 ± 0.037	
DES17C3bei	58124.2	•••	•••	• • •	22.887 ± 0.038

SN name	MJD	g mag	r mag	i mag	Z mag
DES17C3bei	58126.2	mag $(25.045) \pm (0.394)$	mag	mag	mag
DES17C3bei	58130.1	$(25.045) \pm (0.394)$	$(24.84) \pm (0.375)$		•••
			, , , , ,		
DES17C3bei	58132.0	• • •	• • •	23.617 ± 0.086	02 002 + 0 047
DES17C3bei	58132.1	04.90% . 0.104	•••	• • • •	23.003 ± 0.047
DES17C3bei	58133.1	24.325 ± 0.194		•••	•••
DES17C3bei	58137.1	•••	23.85 ± 0.082		
DES17C3bei	58138.1	•••	•••	23.263 ± 0.076	23.293 ± 0.085
DES17C3bei	58139.1	24.642 ± 0.202	•••	•••	•••
DES17C3de	57986.4	22.74 ± 0.042	• • •	• • •	21.264 ± 0.014
DES17C3de	57987.3	• • •	21.553 ± 0.014	21.183 ± 0.01	• • •
DES17C3de	57991.4	22.763 ± 0.041	21.63 ± 0.013	• • •	• • •
DES17C3de	57992.3	• • • •	• • •	21.269 ± 0.011	21.384 ± 0.021
DES17C3de	57996.4	23.341 ± 0.154	21.866 ± 0.065	• • •	• • •
DES17C3de	57997.3	• • •	• • •	21.5 ± 0.038	21.475 ± 0.052
DES17C3de	57998.2			21.464 ± 0.034	
DES17C3de	57998.3				21.483 ± 0.031
DES17C3de	57999.3	23.72 ± 0.258	22.03 ± 0.035	• • •	
DES17C3de	58003.3		21.974 ± 0.042	21.68 ± 0.024	21.595 ± 0.017
DES17C3de	58007.3	$(25.452) \pm (1.07)$			
DES17C3de	58007.4	(=0.10=) = (1.01)	22.474 ± 0.038	21.908 ± 0.026	
DES17C3de	58009.4	• • •	22.114 ± 0.000	22.254 ± 0.036	
DES17C3de	58010.3		•••	22.204 ± 0.000	22.111 ± 0.02
DES17C3de	58014.2	$(25.948) \pm (0.559)$	23.457 ± 0.059		22.111 ± 0.02
		$(25.946) \pm (0.959)$	25.457 ± 0.059		• • • • • • • • • • • • • • • • • • • •
DES17C3de	58019.3			23.058 ± 0.043	
DES17C3de	58019.4	• • •	(07.450) (0.401)	•••	22.837 ± 0.04
DES17C3de	58021.2	•••	$(25.458) \pm (0.401)$	• • •	(22.22.1) (2.22.1
DES17C3de	58026.3	•••	•••	• • •	$(22.694) \pm (0.636)$
DES17C3de	58028.2	•••		• • •	23.069 ± 0.067
DES17C3de	58028.3	$(26.141) \pm (1.149)$	$(25.352) \pm (0.508)$	• • •	• • •
DES17C3de	58036.3	• • • •	24.382 ± 0.262	• • •	23.126 ± 0.065
DES17C3de	58037.2	• • •	• • •	23.409 ± 0.077	• • •
DES17C3de	58040.3	• • •	• • •	• • •	23.183 ± 0.065
DES17C3de	58041.2			23.669 ± 0.16	
DES17C3de	58045.3	$(25.301) \pm (0.353)$	$(25.955) \pm (0.526)$		23.307 ± 0.078
DES17C3de	58046.1	•••	•••	23.62 ± 0.085	
DES17C3de	58052.1		$(25.98) \pm (0.583)$		
DES17C3de	58052.2		•••		23.488 ± 0.093
DES17C3de	58052.3	$(25.616) \pm (0.409)$			
DES17C3de	58053.1	(20.010) ± (0.100)		23.785 ± 0.124	
DES17C3de	58057.2	$(25.356) \pm (0.589)$	24.1 ± 0.13	23.703 ± 0.124	23.357 ± 0.066
		$(20.330) \pm (0.369)$	24.1 ± 0.13		23.337 ± 0.000
DES17C3de	58057.3			23.589 ± 0.082	
DES17C3de	58064.2	• • •	24.326 ± 0.222	23.744 ± 0.099	
DES17C3de	58064.3	(27 222) (4 74 4)	•••	•••	23.466 ± 0.087
DES17C3de	58067.1	$(27.309) \pm (1.714)$	•••		
DES17C3de	58071.2	• • •	24.864 ± 0.186	23.827 ± 0.093	23.201 ± 0.06
DES17C3de	58074.0	$(26.039) \pm (0.596)$	• • •	• • •	• • •
DES17C3de	58076.3	• • • •	• • •	23.595 ± 0.105	• • •
DES17C3de	58079.1	• • • •	• • •	• • •	23.729 ± 0.113
DES17C3de	58079.2	$(25.625) \pm (0.425)$	• • •	• • •	• • •
DES17C3de	58082.2	•••	$(25.503) \pm (0.355)$	24.16 ± 0.145	
DES17C3de	58084.3		•••		23.367 ± 0.08
DES17C3de	58092.1			24.366 ± 0.235	•••
DES17C3de	58092.2				23.644 ± 0.114
DES17C3de	58093.0	24.821 ± 0.25			20.011 ± 0.111
DES17C3de	58095.0	24.021 ± 0.20	•••	23.735 ± 0.101	•••
DES17C3de	58097.3	•••		23.735 ± 0.101	23.606 ± 0.113
DES17C3de		$(25.498) \pm (0.518)$			23.000 ± 0.113
PDCOTTCGG	58099.2	, , ,	•••		
	E01010				
DES17C3de DES17C3de	58101.2 58107.1	$(25.653) \pm (0.416)$	•••	24.385 ± 0.16	• • •

SN name	MJD	g	r	i	z
		mag	mag	mag	mag
DES17C3de	58108.2		25.486 ± 0.275	24.267 ± 0.11	• • •
DES17C3de	58112.2	$(25.58) \pm (0.402)$	•••	• • •	• • •
DES17C3de	58117.1			24.62 ± 0.258	23.822 ± 0.168
DES17C3de	58122.1	$(25.373) \pm (0.557)$			
DES17C3de	58124.1	•••	$(25.97) \pm (0.395)$	24.256 ± 0.103	
DES17C3de	58124.2		•••		23.783 ± 0.084
DES17C3de	58126.2	$(25.653) \pm (0.611)$			
DES17C3de	58132.0			$(25.247) \pm (0.339)$	
DES17C3de	58132.1			(20.211) = (0.000)	24.349 ± 0.15
DES17C3de	58138.1			24.327 ± 0.194	24.05 ± 0.165
DES17C3de	58139.1	$(28.977) \pm (2.662)$			
DES17C3dw	57986.4	22.921 ± 0.039			23.247 ± 0.079
DES17C3dw DES17C3dw	57980.4	22.921 ± 0.039	22.993 ± 0.037	22.99 ± 0.045	23.247 ± 0.079
					• • • • • • • • • • • • • • • • • • • •
DES17C3dw	57991.4	23.076 ± 0.039	23.024 ± 0.032	00.017 . 0.040	
DES17C3dw	57992.3			22.917 ± 0.042	23.175 ± 0.1
DES17C3dw	57996.4	23.174 ± 0.116	22.96 ± 0.159		
DES17C3dw	57997.3	• • •	• • •	23.187 ± 0.158	23.194 ± 0.224
DES17C3dw	57998.2	• • •	• • •	22.558 ± 0.089	• • •
DES17C3dw	57998.3		• • •	• • •	23.063 ± 0.125
DES17C3dw	57999.3	23.876 ± 0.281	23.119 ± 0.084	• • •	• • •
DES17C3dw	58003.3		22.9 ± 0.092	22.89 ± 0.065	23.036 ± 0.057
DES17C3dw	58007.3	23.404 ± 0.239			• • •
DES17C3dw	58007.4		23.057 ± 0.057	22.909 ± 0.056	
DES17C3dw	58009.4		• • •	22.785 ± 0.05	
DES17C3dw	58010.3				23.007 ± 0.04
DES17C3dw	58014.2	23.782 ± 0.069	23.097 ± 0.033		
DES17C3dw	58019.3			22.843 ± 0.029	
DES17C3dw	58019.4				23.02 ± 0.043
DES17C3dw	58021.2	23.793 ± 0.084	23.088 ± 0.043		
DES17C3dw	58026.3	25.135 ± 0.004	29.000 ± 0.049	• • •	$(22.364) \pm (0.49)$
DES17C3dw DES17C3dw	58028.2	•••	•••		$(22.304) \pm (0.43)$ 23.008 ± 0.06
DES17C3dw DES17C3dw	58028.3	23.961 ± 0.233	23.095 ± 0.069		23.008 ± 0.00
DES17C3dw	58036.3	$(24.566) \pm (0.425)$	23.106 ± 0.087		22.858 ± 0.049
DES17C3dw	58037.2			22.773 ± 0.038	
DES17C3dw	58040.3	23.844 ± 0.081	23.063 ± 0.035		22.866 ± 0.045
DES17C3dw	58041.2	•••	•••	22.825 ± 0.068	•••
DES17C3dw	58045.3	23.815 ± 0.075	22.958 ± 0.032	• • •	22.9 ± 0.052
DES17C3dw	58046.1	• • •	• • •	22.675 ± 0.031	• • •
DES17C3dw	58052.1		22.938 ± 0.038	• • •	
DES17C3dw	58052.2		• • •	• • •	22.879 ± 0.051
DES17C3dw	58052.3	23.764 ± 0.063			
DES17C3dw	58053.1		• • •	22.65 ± 0.04	
DES17C3dw	58057.2	23.803 ± 0.161	22.805 ± 0.037		22.732 ± 0.036
DES17C3dw	58057.3			22.606 ± 0.03	
DES17C3dw	58064.2		22.742 ± 0.053	22.63 ± 0.032	
DES17C3dw	58064.3				22.815 ± 0.046
DES17C3dw DES17C3dw	58067.1	24.01 ± 0.15	•••		22.010 ± 0.040
DES17C3dw DES17C3dw		24.01 ± 0.15			
	58071.2		22.823 ± 0.023	22.615 ± 0.026	22.706 ± 0.035
DES17C3dw	58074.0	23.855 ± 0.076			• • • •
DES17C3dw	58076.3	•••	22.849 ± 0.032	22.548 ± 0.036	
DES17C3dw	58079.1		•••	• • •	22.844 ± 0.048
DES17C3dw	58079.2	23.966 ± 0.078			• • •
DES17C3dw	58082.2	• • •	22.948 ± 0.032	22.661 ± 0.032	• • •
DES17C3dw	58084.2	24.302 ± 0.149	• • •	• • •	• • • •
DES17C3dw	58084.3	• • •	•••	• • •	22.733 ± 0.043
DES17C3dw	58092.1	• • •	23.481 ± 0.203	22.763 ± 0.054	• • •
DEDITORW	58092.2		• • •		22.848 ± 0.053
DES17C3dw	50092.2				
DES17C3dw	58092.2	24.336 ± 0.123		• • •	
			23.295 ± 0.047	• • •	

	3.550				
SN name	MJD	g	r	i	Z
DES17C3dw	58099.1	mag	mag	mag	$\frac{\text{mag}}{22.947 \pm 0.06}$
DES17C3dw	58099.1	25.016 ± 0.276			22.947 ± 0.00
DES17C3dw	58101.2	20.010 ± 0.210	23.461 ± 0.051	23.116 ± 0.042	
DES17C3dw	58107.1	25.592 ± 0.285	20.401 ± 0.001	25.110 ± 0.042	
DES17C3dw	58107.2	20.002 ± 0.200			23.451 ± 0.072
DES17C3dw	58108.2		23.855 ± 0.049	23.397 ± 0.041	20.101 ± 0.072
DES17C3dw	58112.2	$(25.98) \pm (0.403)$			
DES17C3dw	58117.1		23.526 ± 0.172	23.784 ± 0.117	23.59 ± 0.132
DES17C3dw	58122.1	$(26.99) \pm (1.426)$			
DES17C3dw	58124.1	•••	24.23 ± 0.063	23.729 ± 0.051	
DES17C3dw	58124.2				23.725 ± 0.073
DES17C3dw	58126.2	$(25.539) \pm (0.461)$			
DES17C3dw	58130.1	•••	$(25.277) \pm (0.476)$		
DES17C3dw	58132.0	• • •	•••	23.67 ± 0.074	
DES17C3dw	58132.1	•••	•••	• • •	23.761 ± 0.082
DES17C3dw	58137.1	• • •	24.501 ± 0.109	• • •	• • •
DES17C3dw	58138.1	•••	•••	23.99 ± 0.127	24.134 ± 0.17
DES17C3dw	58139.1	$(25.896) \pm (0.396)$	• • •		• • •
DES17E2bhj	57981.2	• • •	• • •	$(23.517) \pm (0.467)$	$(24.547) \pm (0.713)$
DES17E2bhj	57985.2	$(29.677) \pm (3.729)$	•••	• • •	$(25.855) \pm (0.896)$
DES17E2bhj	57990.2	$(29.269) \pm (2.91)$	$(27.913) \pm (2.034)$		
DES17E2bhj	57998.1	(07.070) (0.707)	$(25.348) \pm (0.977)$	23.927 ± 0.297	$(25.776) \pm (1.23)$
DES17E2bhj	58014.1	$(25.976) \pm (0.565)$		$(25.85) \pm (0.902)$	$(25.329) \pm (0.792)$
DES17E2bhj	58021.1	23.039 ± 0.14	23.316 ± 0.243	23.417 ± 0.311	23.078 ± 0.274
DES17E2bhj	58025.1	00.000 + 0.07	20.647 + 0.079	00 410 + 0 077	$(22.079) \pm (0.644)$
DES17E2bhj	58036.0	22.869 ± 0.07	22.647 ± 0.073	22.412 ± 0.077	22.706 ± 0.155
DES17E2bhj DES17E2bhj	58040.0	23.054 ± 0.088 23.299 ± 0.113	22.838 ± 0.103	22.642 ± 0.136	22.692 ± 0.158 22.767 ± 0.15
DES17E2bhj	58045.0 58052.0	23.848 ± 0.113 23.848 ± 0.191	22.8 ± 0.096 23.217 ± 0.109	22.468 ± 0.096 22.808 ± 0.087	22.797 ± 0.13 22.798 ± 0.112
DES17E2bhj	58052.0	$(23.707) \pm (0.327)$	23.217 ± 0.109 22.779 ± 0.159	22.73 ± 0.102	22.798 ± 0.112 22.832 ± 0.121
DES17E2bhj	58064.0	24.261 ± 0.154	23.195 ± 0.079	22.82 ± 0.077	22.745 ± 0.103
DES17E2bhj	58071.0	24.869 ± 0.312	23.207 ± 0.085	22.829 ± 0.079	23.137 ± 0.13
DES17E2bhj	58076.1	$(25.364) \pm (0.602)$	23.448 ± 0.134	23.146 ± 0.128	22.979 ± 0.129
DES17E2bhj	58081.1	24.53 ± 0.215	23.407 ± 0.097	23.091 ± 0.101	22.88 ± 0.102
DES17E2bhj	58085.1	$(24.167) \pm (0.606)$	$(23.904) \pm (0.432)$	22.799 ± 0.154	23.053 ± 0.171
DES17E2bhj	58093.1	$(26.047) \pm (0.587)$	23.625 ± 0.106	22.959 ± 0.082	23.08 ± 0.115
DES17E2bhj	58099.1	$(25.025) \pm (0.817)$	23.861 ± 0.282	23.026 ± 0.295	
DES17E2bhj	58099.2	•••			22.674 ± 0.257
DES17E2bhj	58107.1	$(27.727) \pm (1.769)$	23.874 ± 0.146	23.258 ± 0.109	23.126 ± 0.128
DES17E2bhj	58117.1	•••	$(24.329) \pm (0.643)$	23.52 ± 0.28	23.054 ± 0.183
DES17E2bhj	58127.0	$(28.227) \pm (2.282)$	• • •		• • •
DES17E2bhj	58127.1	• • •	23.279 ± 0.096	23.33 ± 0.132	23.236 ± 0.154
DES17E2bhj	58134.0	$(25.572) \pm (0.939)$	24.118 ± 0.274	23.853 ± 0.245	23.366 ± 0.196
DES17E2cc	57981.2	22.741 ± 0.077	21.71 ± 0.057	21.407 ± 0.079	21.729 ± 0.077
DES17E2cc	57985.2	22.915 ± 0.069	21.874 ± 0.035	21.604 ± 0.03	21.657 ± 0.031
DES17E2cc	57990.2	22.952 ± 0.048	21.966 ± 0.027	21.594 ± 0.026	01.701 . 0.005
DES17E2cc	57990.3		22 047 + 0 040	21 669 + 0.05	21.761 ± 0.035
DES17E2cc	57994.3 57008 1	23.279 ± 0.101	22.047 ± 0.049	21.668 ± 0.05	21.845 ± 0.074
DES17E2cc	57998.1 58007.1	22.839 ± 0.199	21.976 ± 0.072	21.736 ± 0.047	21.842 ± 0.062
$\begin{array}{c} {\rm DES17E2cc} \\ {\rm DES17E2cc} \end{array}$	58007.1 58014.1	23.353 ± 0.131 23.545 ± 0.083	$22.098 \pm 0.047 22.179 \pm 0.034$	$21.668 \pm 0.046 21.77 \pm 0.035$	21.87 ± 0.069 21.894 ± 0.052
DES17E2cc	58014.1	$(24.017) \pm (0.335)$	22.179 ± 0.034 22.371 ± 0.104	21.77 ± 0.055 21.8 ± 0.079	21.894 ± 0.032 21.787 ± 0.094
DES17E2cc	58021.1	$(24.017) \pm (0.333)$	22.371 ± 0.104	21.8 ± 0.079	$(21.372) \pm (0.402)$
DES17E2cc	58026.1				$(21.561) \pm (0.717)$ $(21.561) \pm (0.717)$
DES17E2cc	58036.0	24.124 ± 0.205	22.603 ± 0.071	22.02 ± 0.055	22.006 ± 0.088
DES17E2cc	58040.0	$(24.836) \pm (0.4)$	22.726 ± 0.096	22.057 ± 0.082	22.359 ± 0.122
DES17E2cc	58045.0	$(24.662) \pm (0.362)$	22.872 ± 0.104	22.138 ± 0.073	22.285 ± 0.101
DES17E2cc	58052.0	$(26.4) \pm (1.244)$	22.977 ± 0.093	22.485 ± 0.069	22.377 ± 0.082
DES17E2cc	58057.0	$(24.91) \pm (0.839)$	23.458 ± 0.293	22.844 ± 0.121	23.158 ± 0.17
$\mathrm{DES17E2cc}$	58064.0	$(25.845) \pm (0.562)$	24.73 ± 0.295	23.522 ± 0.149	23.749 ± 0.254
		•			

SN name	MJD	g	r	i	z
DEGLEDO	200	mag	mag	mag	mag
DES17E2cc	58071.0	(0, 0, 10) (0, 0, 1)	$(25.214) \pm (0.446)$	23.801 ± 0.19	23.573 ± 0.199
DES17E2cc	58076.1	$(25.819) \pm (0.84)$	$(25.251) \pm (0.554)$	23.917 ± 0.254	$(24.45) \pm (0.581)$
DES17E2cc	58081.1	$(25.433) \pm (0.458)$	24.385 ± 0.221	23.778 ± 0.184	24.167 ± 0.312
DES17E2cc	58085.1	• • •	$(25.079) \pm (0.98)$	$(23.647) \pm (0.315)$	23.412 ± 0.24
DES17E2cc	58093.1	(20.070) . (0.070)	$(26.219) \pm (0.812)$	$(24.508) \pm (0.312)$	24.088 ± 0.283
DES17E2cc	58099.1	$(23.873) \pm (0.379)$	$(24.669) \pm (0.534)$	•••	(00.007) . (0.077)
DES17E2cc	58099.2	(97 446) + (1 50)	(95,00) + (0,400)	24.036 ± 0.218	$(23.867) \pm (0.657)$ $(24.205) \pm (0.329)$
$\begin{array}{c} {\rm DES17E2cc} \\ {\rm DES17E2cc} \end{array}$	58107.1	$(27.446) \pm (1.58)$ $(24.537) \pm (0.922)$	$(25.09) \pm (0.402)$, , ,
DES17E2cc	58117.1 58127.0	$(24.537) \pm (0.922)$ $(25.794) \pm (0.662)$	•••	$(24.967) \pm (0.824)$	$(24.276) \pm (0.508)$
DES17E2cc	58127.0 58127.1	$(25.794) \pm (0.002)$	24.521 ± 0.279	$(24.925) \pm (0.489)$	$(25.631) \pm (0.963)$
DES17E2cc	58134.0	•••	$(24.727) \pm (0.452)$	$(24.441) \pm (0.401)$	$(26.177) \pm (0.903)$ $(26.177) \pm (1.427)$
DES17E2ci	57981.2	23.73 ± 0.224	22.205 ± 0.102	21.85 ± 0.13	21.837 ± 0.093
DES17E2ci	57985.2	23.867 ± 0.191	22.514 ± 0.074	21.875 ± 0.046	21.799 ± 0.035
DES17E2ci	57990.2	24.293 ± 0.199	22.523 ± 0.056	21.966 ± 0.042	21.100 ± 0.01
DES17E2ci	57990.3				21.76 ± 0.039
DES17E2ci	57994.3	23.656 ± 0.169	22.48 ± 0.084	22.056 ± 0.078	21.888 ± 0.082
DES17E2ci	57998.1	22.931 ± 0.243	22.341 ± 0.11	21.961 ± 0.064	21.812 ± 0.065
DES17E2ci	58007.1	$(24.383) \pm (0.369)$	22.582 ± 0.088	21.815 ± 0.058	21.95 ± 0.08
DES17E2ci	58014.1	23.917 ± 0.149	22.535 ± 0.058	21.906 ± 0.044	21.83 ± 0.052
DES17E2ci	58021.1	$(24.218) \pm (0.411)$	22.691 ± 0.171	22.179 ± 0.122	21.767 ± 0.097
DES17E2ci	58025.1	•••			$(22.169) \pm (0.79)$
DES17E2ci	58036.0	23.706 ± 0.183	22.643 ± 0.087	22.049 ± 0.064	21.874 ± 0.085
DES17E2ci	58040.0	24.019 ± 0.251	22.897 ± 0.13	22.059 ± 0.093	22.062 ± 0.102
DES17E2ci	58045.0	23.991 ± 0.254	22.932 ± 0.128	22.179 ± 0.084	22.036 ± 0.088
DES17E2ci	58052.0	$(24.66) \pm (0.442)$	22.905 ± 0.102	22.302 ± 0.066	22.197 ± 0.075
DES17E2ci	58057.0	• • •	$(23.484) \pm (0.327)$	22.461 ± 0.093	22.402 ± 0.095
DES17E2ci	58064.0	24.733 ± 0.302	23.689 ± 0.149	22.883 ± 0.096	22.761 ± 0.118
DES17E2ci	58071.0	$(25.491) \pm (0.638)$	24.412 ± 0.297	23.476 ± 0.166	22.843 ± 0.116
DES17E2ci	58076.1	$(24.927) \pm (0.517)$	$(24.619) \pm (0.434)$	22.59 ± 0.09	22.832 ± 0.132
DES17E2ci	58081.1	$(25.263) \pm (0.477)$	$(24.698) \pm (0.345)$	23.055 ± 0.109	22.815 ± 0.106
DES17E2ci	58085.1	$(25.181) \pm (1.251)$	•••	23.171 ± 0.232	23.204 ± 0.214
DES17E2ci	58093.1	$(25.436) \pm (0.486)$	24.131 ± 0.206	23.188 ± 0.115	23.05 ± 0.126
DES17E2ci	58099.1	$(24.704) \pm (0.722)$	$(24.283) \pm (0.445)$	$(25.308) \pm (1.439)$	
DES17E2ci	58099.2	$(25.301) \pm (0.504)$	04 107 + 0 007	09 490 + 0 159	22.795 ± 0.304
DES17E2ci	58107.1	, , ,	24.107 ± 0.227	23.438 ± 0.153	23.302 ± 0.17
DES17E2ci DES17E2ci	58117.1 58127.0	$(23.067) \pm (0.337)$ 24.594 ± 0.298	$(23.9) \pm (0.51)$	22.73 ± 0.161	23.519 ± 0.298
DES17E2ci	58127.0 58127.1	24.094 ± 0.298	24.249 ± 0.262	23.423 ± 0.161	23.739 ± 0.256
DES17E2ci	58134.0	23.847 ± 0.3	$(24.625) \pm (0.465)$	23.023 ± 0.101 23.023 ± 0.139	23.739 ± 0.230 22.903 ± 0.149
DES17E2ci DES17S1bxt	57986.3	$(26.066) \pm (1.434)$	(24.020) ± (0.400)	20.020 ± 0.100	22.303 ± 0.143
DES17S1bxt	57991.3	$(25.878) \pm (2.063)$			$(24.886) \pm (2.533)$
DES17S1bxt	57996.4	$(24.868) \pm (1.0)$	$(24.641) \pm (2.102)$		$(25.42) \pm (5.096)$
DES17S1bxt	58004.4		$(24.231) \pm (3.583)$		
DES17S1bxt	58010.2	$(26.792) \pm (2.49)$	$(27.597) \pm (6.318)$		
DES17S1bxt	58015.3		•••	$(25.406) \pm (1.532)$	
DES17S1bxt	58021.3	$(26.493) \pm (2.099)$			
DES17S1bxt	58028.2	•••	$(23.966) \pm (0.674)$	$(24.675) \pm (1.193)$	
DES17S1bxt	58036.3	• • •	$(23.88) \pm (0.438)$	$(25.189) \pm (1.203)$	$(25.491) \pm (1.718)$
DES17S1bxt	58040.3	23.512 ± 0.122	23.71 ± 0.19	24.039 ± 0.316	23.769 ± 0.319
DES17S1bxt	58045.3	23.707 ± 0.131	23.444 ± 0.137	23.712 ± 0.249	$(24.156) \pm (0.483)$
DES17S1bxt	58052.3	23.996 ± 0.158	23.858 ± 0.19	23.783 ± 0.229	$(24.22) \pm (0.422)$
DES17S1bxt	58057.2	$(24.315) \pm (0.666)$	23.44 ± 0.221	23.904 ± 0.322	23.872 ± 0.344
DES17S1bxt	58064.2	•••	$(23.685) \pm (0.464)$	$(25.293) \pm (1.207)$	23.361 ± 0.223
DES17S1bxt	58071.2	$(25.681) \pm (0.685)$	23.854 ± 0.159	24.185 ± 0.284	23.571 ± 0.221
DES17S1bxt	58076.2	•••	24.216 ± 0.291	23.607 ± 0.258	(24.020) (2.62=)
DES17S1bxt	58076.3	(20.040) (1.00=)	(0.4.0.40) (0.00)	(24 1 42) (2 221)	$(24.039) \pm (0.637)$
DES17S1bxt	58082.2	$(26.046) \pm (1.367)$	$(24.342) \pm (0.38)$	$(24.148) \pm (0.501)$	$(23.575) \pm (0.382)$
DES17S1bxt	58092.1	(05 (04) + (0 (07)	04.602 + 0.001	$(23.419) \pm (0.419)$	$(23.762) \pm (0.526)$
DES17S1bxt	58094.1	$(25.694) \pm (0.687)$	24.603 ± 0.291	$(25.159) \pm (0.649)$	$(24.42) \pm (0.447)$

SN name	MJD	g	r	i	Z
		mag	mag	mag	mag
DES17S1bxt	58100.1		$(24.572) \pm (0.96)$	•••	$(24.593) \pm (1.394)$
DES17S1bxt	58108.2	$(25.922) \pm (0.859)$	24.713 ± 0.325	24.04 ± 0.236	$(25.04) \pm (0.796)$
DES17S1bxt	58113.1	$(25.206) \pm (0.777)$	24.33 ± 0.322	24.049 ± 0.285	$(24.458) \pm (0.492)$
DES17S1bxt	58123.0	$(26.581) \pm (1.904)$	$(25.146) \pm (0.518)$	24.445 ± 0.348	
DES17S1bxt	58123.1	•••	(27.472) (4.44.1)	(0.1.1.1.1) (0.00%)	24.203 ± 0.306
DES17S1bxt	58130.0	• • •	$(25.153) \pm (1.114)$	$(24.114) \pm (0.635)$	$(24.532) \pm (1.3)$
DES17S1bxt	58137.0		$(25.589) \pm (1.385)$	23.772 ± 0.279	23.98 ± 0.354
DES17S1lu	57986.3	21.343 ± 0.021	21.359 ± 0.031	21.436 ± 0.04	21.66 ± 0.059
DES17S1lu	57991.3	21.486 ± 0.039	21.441 ± 0.034	20.987 ± 0.116	21.507 ± 0.106
DES17S1lu	57996.4	21.627 ± 0.049	21.431 ± 0.106	21.465 ± 0.163	21.501 ± 0.128
DES17S1lu	57999.3	21.586 ± 0.082	21.431 ± 0.045	21.352 ± 0.056	21.506 ± 0.052
DES17S1lu	58004.4	•••	$(22.013) \pm (0.394)$	01 444 . 0 101	21.427 ± 0.126
DES17S1lu	58008.3	01 007 . 0 099	21.451 ± 0.163	21.444 ± 0.101	21.521 ± 0.086
DES17S1lu	58010.2	21.997 ± 0.033	21.474 ± 0.025	21.332 ± 0.027	21.547 ± 0.036
DES17S1lu	58015.2	22.05 ± 0.037	21.5 ± 0.03	21.319 ± 0.037	01 477 . 0 0 49
DES17S1lu	58015.3	00.154 . 0.090	01 500 . 0.00	01 207 . 0 000	21.477 ± 0.043
DES17S1lu	58021.3	22.154 ± 0.038	21.523 ± 0.03	21.307 ± 0.029	21.386 ± 0.035
DES17S1lu	58028.2	22.598 ± 0.25	21.562 ± 0.073	21.285 ± 0.052	21.504 ± 0.077
DES17S1lu	58036.3	22.299 ± 0.125	21.498 ± 0.048	21.292 ± 0.034	21.409 ± 0.038
DES17S1lu	58040.3	22.288 ± 0.041	21.442 ± 0.026	21.288 ± 0.027	21.373 ± 0.035
DES17S1lu	58045.3	22.374 ± 0.041	21.472 ± 0.025	21.232 ± 0.027	21.34 ± 0.036
DES17S1lu	58052.3	22.397 ± 0.037	21.477 ± 0.023	21.34 ± 0.026	21.419 ± 0.031
DES17S1lu	58057.2	22.462 ± 0.112	21.523 ± 0.039	21.283 ± 0.03	21.365 ± 0.033
DES17S1lu	58064.2	22.429 ± 0.156	21.613 ± 0.067	21.404 ± 0.034	21.477 ± 0.037
DES17S1lu	58071.2	22.763 ± 0.049	21.689 ± 0.024	21.472 ± 0.025	21.55 ± 0.034
DES17S1lu	58076.2	23.128 ± 0.088	21.748 ± 0.033	21.456 ± 0.038	01.65 + 0.07
DES17S1lu	58076.3	23.126 ± 0.093	21 052 + 0 045	21 705 + 0.055	21.65 ± 0.07
DES17S1lu	58082.2	25.120 ± 0.095	21.958 ± 0.045 22.336 ± 0.156	21.705 ± 0.055 22.0 ± 0.111	21.63 ± 0.06
DES17S1lu DES17S1lu	58092.1 58094.1	24.492 ± 0.2	22.530 ± 0.150 22.712 ± 0.054	22.0 ± 0.111 22.379 ± 0.052	$22.21 \pm 0.116 22.272 \pm 0.058$
DES17S11u DES17S11u	58100.1	$(26.315) \pm (0.927)$	$(24.057) \pm (0.47)$	$(23.318) \pm (0.37)$	$(22.872) \pm (0.339)$
DES17S11u DES17S11u	58100.1	$(20.313) \pm (0.927)$ $(27.133) \pm (1.306)$	$(24.037) \pm (0.47)$ 24.376 ± 0.218	$(23.518) \pm (0.57)$ 23.618 ± 0.15	$(22.872) \pm (0.339)$ 23.436 ± 0.164
DES17S1lu	58113.1	$(26.424) \pm (1.238)$	24.319 ± 0.284	23.699 ± 0.195	23.421 ± 0.17
DES17S1lu	58123.0	$(25.728) \pm (0.637)$	23.883 ± 0.157	25.033 ± 0.135	23.421 ± 0.17
DES17S1lu	58123.1	(20.120) ± (0.001)	20.000 ± 0.107	23.808 ± 0.183	23.528 ± 0.144
DES17S1lu	58130.0		$(24.332) \pm (0.433)$	23.433 ± 0.298	20.020 ± 0.144
DES17S1lu	58130.1		(21.002) ± (0.100)	20.100 ± 0.200	$(23.932) \pm (0.564)$
DES17S1lu	58137.0	$(24.442) \pm (0.447)$	$(24.21) \pm (0.336)$	23.531 ± 0.208	23.787 ± 0.266
DES17S200	57986.3	24.075 ± 0.188	23.088 ± 0.107	22.865 ± 0.113	22.614 ± 0.139
DES17S200	57991.3	23.829 ± 0.279	23.235 ± 0.217	22.479 ± 0.258	$(22.347) \pm (0.375)$
DES17S2oo	57996.4	$(23.918) \pm (0.323)$	22.947 ± 0.179	22.722 ± 0.157	22.319 ± 0.218
DES17S2oo	57999.3	22.778 ± 0.3	22.754 ± 0.309	22.74 ± 0.227	22.533 ± 0.145
DES17S2oo	58008.3		$(22.878) \pm (0.498)$	22.56 ± 0.233	22.506 ± 0.198
DES17S2oo	58010.2	24.337 ± 0.211	22.902 ± 0.076	22.44 ± 0.067	22.443 ± 0.082
DES17S2oo	58015.2	$(25.032) \pm (0.586)$	22.876 ± 0.102	22.374 ± 0.073	22.326 ± 0.088
DES17S2oo	58021.3	24.356 ± 0.246	23.127 ± 0.146	22.453 ± 0.086	22.431 ± 0.094
DES17S2oo	58030.4			$(21.396) \pm (0.432)$	$(21.355) \pm (0.595)$
DES17S2oo	58036.2	$(23.904) \pm (0.631)$		22.305 ± 0.104	22.526 ± 0.115
DES17S2oo	58039.2	24.588 ± 0.224	22.999 ± 0.083	22.432 ± 0.059	22.286 ± 0.068
DES17S200	58044.3	$(25.17) \pm (0.438)$	23.004 ± 0.097	22.555 ± 0.081	22.533 ± 0.108
DES17S2oo	58052.2	$(25.3) \pm (0.524)$	23.113 ± 0.103	22.576 ± 0.086	22.771 ± 0.146
DES17S2oo	58057.2		23.369 ± 0.176	22.647 ± 0.088	22.623 ± 0.09
DES17S2oo	58064.2		$(23.825) \pm (0.322)$	23.134 ± 0.141	22.966 ± 0.134
DES17S2oo	58071.2	$(25.352) \pm (0.416)$	23.899 ± 0.17	23.122 ± 0.102	23.011 ± 0.111
DES17S2oo	58076.2	•••	24.074 ± 0.243	23.303 ± 0.161	23.031 ± 0.155
DES17S2oo	58082.2	$(25.678) \pm (0.752)$	24.11 ± 0.289	22.946 ± 0.153	23.444 ± 0.308
DES17S2oo	58092.1	$(23.22) \pm (0.406)$	$(25.842) \pm (1.645)$	23.166 ± 0.226	23.213 ± 0.237
DES17S2oo	58097.1	$(25.216) \pm (0.438)$	$(24.871) \pm (0.402)$	23.626 ± 0.181	23.224 ± 0.171
DES17S2oo	58102.1	$(27.395) \pm (1.772)$	24.186 ± 0.271	23.182 ± 0.144	23.434 ± 0.211
DES17S2oo	58109.1		24.238 ± 0.19	23.68 ± 0.144	23.709 ± 0.177

SN name	MJD	g	r	i	z
		mag	mag	mag	mag
DES17S2oo	58113.1	$(27.706) \pm (2.356)$	24.599 ± 0.303	23.38 ± 0.114	23.793 ± 0.186
DES17S2oo	58122.1	$(24.982) \pm (0.916)$	$(25.18) \pm (0.762)$	24.016 ± 0.309	$(23.735) \pm (0.365)$
DES17S2oo	58129.1	$(25.068) \pm (0.45)$	24.177 ± 0.273	23.306 ± 0.196	$(23.79) \pm (0.388)$
DES17S200	58134.1	$(25.935) \pm (0.722)$	24.336 ± 0.25	23.999 ± 0.233	23.668 ± 0.236
DES17X1aow	57995.2	$(24.157) \pm (0.85)$	• • •	•••	• • •
DES17X1aow	57996.2	$(23.38) \pm (0.386)$	• • •	(27 222) (4 72)	•••
DES17X1aow	57996.3	•••	•••	$(25.606) \pm (1.58)$	•••
DES17X1aow	58015.2	21.641 ± 0.029	22.091 ± 0.062	22.915 ± 0.194	22.463 ± 0.177
DES17X1aow	58019.2	21.464 ± 0.027	21.668 ± 0.042	21.844 ± 0.055	22.007 ± 0.069
DES17X1aow	58025.2	01 800 : 0 101	• • • •	21.758 ± 0.17	$(21.767) \pm (0.508)$
DES17X1aow	58026.1	21.566 ± 0.121	01.050 . 0.105	01.011 . 0.000	01 500 . 0 000
DES17X1aow	58026.2	01.654 . 0.001	21.659 ± 0.105	21.311 ± 0.062	21.592 ± 0.083
DES17X1aow	58036.1	21.654 ± 0.031	21.572 ± 0.037	21.467 ± 0.036	21.615 ± 0.049
DES17X1aow	58040.1	21.873 ± 0.042	21.684 ± 0.045	21.365 ± 0.045	21.709 ± 0.076
DES17X1aow	58044.3	22.193 ± 0.042	21.595 ± 0.035	21.411 ± 0.036	21.546 ± 0.049
DES17X1aow	58052.1	22.366 ± 0.073	21.743 ± 0.046	21.396 ± 0.034	21.538 ± 0.05
DES17X1aow	58057.1 58064.1	22.496 ± 0.18	21.771 ± 0.072	21.374 ± 0.039	21.464 ± 0.045 21.477 ± 0.046
DES17X1aow	58064.1	22.799 ± 0.077	21.751 ± 0.041 21.816 ± 0.035	21.552 ± 0.044 21.563 ± 0.035	21.477 ± 0.046 21.55 ± 0.043
DES17X1aow DES17X1aow		22.851 ± 0.078	21.810 ± 0.035 21.943 ± 0.051		
DES17X1aow DES17X1aow	58076.1 58082.1	$23.27 \pm 0.12 23.707 \pm 0.205$	21.945 ± 0.051 21.895 ± 0.051	21.42 ± 0.035 21.434 ± 0.04	$21.445 \pm 0.042 \\ 21.54 \pm 0.054$
DES17X1aow DES17X1aow				21.434 ± 0.04 21.432 ± 0.041	
DES17X1aow DES17X1aow	58092.0 58097.1	23.489 ± 0.211 23.444 ± 0.115	$21.971 \pm 0.062 22.051 \pm 0.044$	21.432 ± 0.041 21.422 ± 0.033	21.576 ± 0.063 21.525 ± 0.043
DES17X1aow DES17X1aow	58101.0	23.737 ± 0.146	21.893 ± 0.037	21.422 ± 0.035 21.563 ± 0.035	21.020 ± 0.045
DES17X1aow DES17X1aow	58101.0	25.757 ± 0.140	21.095 ± 0.057	21.505 ± 0.055	21.575 ± 0.045
DES17X1aow DES17X1aow	58109.0	$(25.151) \pm (0.567)$	22.0 ± 0.044	21.548 ± 0.027	21.575 ± 0.045
DES17X1aow DES17X1aow	58109.0	(20.101) ± (0.001)	22.0 1 0.044	21.040 ± 0.021	21.431 ± 0.028
DES17X1aow DES17X1aow	58113.1	23.807 ± 0.232	22.026 ± 0.045	21.603 ± 0.03	21.529 ± 0.033
DES17X1aow	58122.1	23.619 ± 0.281	22.020 ± 0.016 22.034 ± 0.056	21.538 ± 0.031	21.489 ± 0.031
DES17X1aow	58129.0	$(25.308) \pm (0.608)$	22.251 ± 0.048	21.655 ± 0.034	
DES17X1aow	58129.1	(20.000) ± (0.000)			21.585 ± 0.038
DES17X1aow	58136.0	$(25.387) \pm (0.863)$	22.282 ± 0.063	21.687 ± 0.046	21.843 ± 0.084
DES17X1axb	57986.3		$(25.579) \pm (0.79)$	$(24.576) \pm (0.478)$	
DES17X1axb	57990.4	$(25.49) \pm (0.549)$	$(25.297) \pm (0.539)$	$(26.241) \pm (1.252)$	
DES17X1axb	57994.3		$(25.248) \pm (0.665)$	$(25.317) \pm (1.104)$	$(24.003) \pm (0.588)$
DES17X1axb	57995.2	$(23.043) \pm (0.37)$	•••	$(23.286) \pm (1.169)$	•••
DES17X1axb	57996.2	$(24.746) \pm (0.949)$		•••	
DES17X1axb	57996.3	•••	$(24.913) \pm (1.231)$	$(26.317) \pm (2.105)$	$(25.402) \pm (1.385)$
DES17X1axb	57999.2		•••	$(23.544) \pm (0.94)$	•••
DES17X1axb	58004.3	$(24.875) \pm (1.643)$			
DES17X1axb	58008.4	•••			$(25.891) \pm (1.585)$
DES17X1axb	58015.2	$(27.399) \pm (1.833)$	• • •	$(25.818) \pm (1.36)$	$(26.2) \pm (1.966)$
DES17X1axb	58019.2	22.288 ± 0.049	22.575 ± 0.08	22.68 ± 0.105	22.744 ± 0.122
DES17X1axb	58025.2	•••	•••	21.988 ± 0.205	$(21.75) \pm (0.538)$
DES17X1axb	58026.1	$(22.721) \pm (0.32)$	• • •	• • •	• • •
DES17X1axb	58026.2	• • •	22.329 ± 0.173	22.252 ± 0.141	22.351 ± 0.161
DES17X1axb	58036.1	22.498 ± 0.056	22.256 ± 0.058	22.097 ± 0.058	22.317 ± 0.082
DES17X1axb	58040.1	22.858 ± 0.088	22.467 ± 0.075	22.167 ± 0.085	22.422 ± 0.132
DES17X1axb	58044.3	23.071 ± 0.077	22.551 ± 0.072	22.237 ± 0.07	22.306 ± 0.089
DES17X1axb	58052.1	23.024 ± 0.116	22.376 ± 0.071	22.181 ± 0.063	22.478 ± 0.107
DES17X1axb	58057.1	23.037 ± 0.268	22.372 ± 0.114	22.201 ± 0.077	22.391 ± 0.097
DES17X1axb	58064.1	23.334 ± 0.115	22.469 ± 0.069	22.206 ± 0.075	22.292 ± 0.093
DES17X1axb	58071.1	23.327 ± 0.101	22.479 ± 0.053	22.322 ± 0.062	22.28 ± 0.073
DES17X1axb	58076.1	23.612 ± 0.14	22.361 ± 0.062	22.284 ± 0.071	22.355 ± 0.086
DES17X1axb	58082.1	23.62 ± 0.172	22.63 ± 0.084	22.118 ± 0.068	22.336 ± 0.102
DES17X1axb	58092.0	23.399 ± 0.186	22.537 ± 0.095	22.235 ± 0.08	22.152 ± 0.099
DES17X1axb	58097.1	23.599 ± 0.115	22.615 ± 0.061	22.31 ± 0.066	22.261 ± 0.076
DES17X1axb	58101.0	23.806 ± 0.137	22.6 ± 0.057	22.312 ± 0.063	
DES17X1axb	58101.1	(0.4.620) + (0.250)	00 505 + 0.000	00 207 + 0 052	22.485 ± 0.092
DES17X1axb	58109.0	$(24.632) \pm (0.358)$	22.505 ± 0.062	22.367 ± 0.053	• • •

SN name	MJD	g	r	i	Z mog
DES17X1axb	58109.1	mag	mag	mag	$\frac{\text{mag}}{22.343 \pm 0.059}$
DES17X1axb	58113.1	$(24.429) \pm (0.35)$	22.618 ± 0.069	22.259 ± 0.051	22.405 ± 0.069 22.407 ± 0.069
DES17X1axb	58122.1	$(24.429) \pm (0.33)$ 23.778 ± 0.301	22.796 ± 0.103	22.239 ± 0.031 22.41 ± 0.065	22.398 ± 0.066
DES17X1axb	58122.1	23.778 ± 0.301 24.149 ± 0.233	22.790 ± 0.103 22.939 ± 0.081	22.41 ± 0.005 22.424 ± 0.065	22.398 ± 0.000
DES17X1axb	58129.1	24.149 ± 0.233	22.939 ± 0.001	22.424 ± 0.005	22.508 ± 0.084
DES17X1axb	58136.0	23.846 ± 0.252	22.969 ± 0.103	22.642 ± 0.099	22.892 ± 0.141
DES17X1axb DES17X1gd	57986.3	23.840 ± 0.232 22.262 ± 0.047	22.909 ± 0.103 22.107 ± 0.05	22.042 ± 0.099 22.025 ± 0.06	22.064 ± 0.076
DES17X1gd	57990.4	22.344 ± 0.043	22.107 ± 0.03 22.17 ± 0.041	22.025 ± 0.00 22.136 ± 0.053	22.004 ± 0.070 22.12 ± 0.067
DES17X1gd DES17X1gd	57994.3	22.544 ± 0.043 22.523 ± 0.058	22.364 ± 0.065	22.130 ± 0.033 22.127 ± 0.099	22.12 ± 0.007 22.657 ± 0.201
DES17X1gd	57995.2	22.362 ± 0.038 22.362 ± 0.244	22.504 ± 0.005	$(21.842) \pm (0.472)$	$(22.785) \pm (0.623)$
DES17X1gd DES17X1gd	57996.2	22.236 ± 0.154	•••	(21.042) ± (0.472)	(22.100) ± (0.020)
DES17X1gd	57996.3	22.200 ± 0.104	22.044 ± 0.16	21.887 ± 0.108	22.045 ± 0.121
DES17X1gd DES17X1gd	57999.2	•••	22.044 1 0.10	21.892 ± 0.291	$(22.323) \pm (0.351)$
DES17X1gd DES17X1gd	58004.3	$(25.356) \pm (2.047)$	22.482 ± 0.223	22.21 ± 0.121	$(22.323) \pm (0.331)$ 22.359 ± 0.186
DES17X1gd DES17X1gd	58004.3	$(23.599) \pm (2.047)$ $(23.599) \pm (0.378)$	22.393 ± 0.129	22.21 ± 0.121 22.222 ± 0.094	22.286 ± 0.12
DES17X1gd	58015.2	(23.494 ± 0.133)	22.59 ± 0.129 22.59 ± 0.081	22.222 ± 0.094 22.222 ± 0.097	22.872 ± 0.231
DES17X1gd DES17X1gd	58019.2	23.494 ± 0.169 23.649 ± 0.169	22.805 ± 0.001 22.805 ± 0.101	22.222 ± 0.097 22.215 ± 0.073	22.435 ± 0.096
DES17X1gd DES17X1gd	58025.2	25.049 ± 0.109	22.805 ± 0.101	21.822 ± 0.182	$(22.297) \pm (0.829)$
DES17X1gd DES17X1gd	58026.1	$(28.644) \pm (4.84)$	•••	21.022 ± 0.102	(22.231) ± (0.023)
DES17X1gd DES17X1gd	58026.1	(28.044) ± (4.64)	22.565 ± 0.217	22.405 ± 0.167	22.695 ± 0.214
DES17X1gd DES17X1gd	58036.1	24.213 ± 0.261	22.715 ± 0.217 22.715 ± 0.09	22.388 ± 0.077	22.661 ± 0.214 22.661 ± 0.113
DES17X1gd DES17X1gd	58040.1	24.246 ± 0.298	22.713 ± 0.09 22.973 ± 0.121	22.550 ± 0.077 22.552 ± 0.123	22.785 ± 0.113 22.785 ± 0.181
DES17X1gd DES17X1gd	58044.3	24.240 ± 0.298 24.563 ± 0.287	22.836 ± 0.093	22.421 ± 0.083	22.783 ± 0.181 22.558 ± 0.109
DES17X1gd DES17X1gd	58052.1	$(24.468) \pm (0.409)$	22.830 ± 0.093 22.904 ± 0.116	22.421 ± 0.003 22.634 ± 0.097	22.596 ± 0.109 22.596 ± 0.12
DES17X1gd DES17X1gd	58052.1	(24.406) ± (0.409)	22.852 ± 0.179	22.595 ± 0.113	22.990 ± 0.12 22.925 ± 0.155
DES17X1gd DES17X1gd	58064.1	$(25.528) \pm (0.674)$	24.095 ± 0.179	23.109 ± 0.113	23.247 ± 0.207
DES17X1gd DES17X1gd	58071.1	(23.328) ± (0.074)	24.099 ± 0.271 24.409 ± 0.287	23.492 ± 0.177	$(24.046) \pm (0.333)$
DES17X1gd	58076.1	$(26.798) \pm (1.409)$	$(24.798) \pm (0.473)$	23.554 ± 0.215	$(24.215) \pm (0.409)$
DES17X1gd	58082.1	$(25.751) \pm (0.902)$	$(25.274) \pm (0.413)$ $(25.274) \pm (0.716)$	23.841 ± 0.305	$(23.712) \pm (0.322)$
DES17X1gd	58092.0	(20.701) ± (0.902)	$(24.224) \pm (0.710)$ $(24.224) \pm (0.398)$	23.806 ± 0.31	$(24.074) \pm (0.477)$
DES17X1gd	58092.0	$(25.936) \pm (0.771)$	$(24.629) \pm (0.345)$	23.935 ± 0.271	23.76 ± 0.277
DES17X1gd	58101.0	$(25.957) \pm (0.77)$ $(25.957) \pm (0.77)$	$(24.732) \pm (0.345)$ $(24.732) \pm (0.355)$	$(24.177) \pm (0.315)$	25.10 ± 0.211
DES17X1gd	58101.1	(20.301) ± (0.11)	(24.102) ± (0.000)	(24.177) ± (0.010)	23.73 ± 0.269
DES17X1gd	58109.0	$(31.851) \pm (6.262)$	$(24.577) \pm (0.352)$	24.115 ± 0.239	25.15 ± 0.205
DES17X1gd	58109.1	(31.001) ± (0.202)	(24.011) ± (0.002)	24.110 ± 0.200	24.07 ± 0.251
DES17X1gd	58113.1		$(25.063) \pm (0.518)$	24.265 ± 0.291	24.141 ± 0.299
DES17X1gd	58122.1		$(25.328) \pm (0.759)$	24.159 ± 0.295	24.25 ± 0.311
DES17X1gd	58129.0		$(25.96) \pm (0.86)$	24.122 ± 0.277	21.20 ± 0.011
DES17X1gd	58129.1		(20.00) ± (0.00)		$(25.272) \pm (0.74)$
DES17X1gd	58136.0	$(26.446) \pm (1.516)$	(25.146) + (0.604)	$(24.389) \pm (0.419)$	
DES17X2ls	56536.2	(20.110) = (1.010)	(201110) = (0.001)	(=11000) = (0.110)	$(23.916) \pm (0.57)$
DES17X2ls	56543.2	$(25.956) \pm (0.851)$	$(25.22) \pm (0.653)$		$(26.339) \pm (1.614)$
DES17X2ls	56547.2	(20.000) ± (0.001)	(20.22) ± (0.000)		$(28.675) \pm (3.955)$
DES17X2ls	56551.3		$(25.024) \pm (1.032)$		(20.010) ± (0.000)
DES17X2ls	56558.3		$(24.812) \pm (0.76)$	$(23.785) \pm (0.354)$	$(24.968) \pm (0.79)$
DES17X2ls	56563.2		$(26.386) \pm (1.344)$	(201100) = (0.001)	(21.000) = (00)
DES17X2ls	56567.1	$(25.246) \pm (0.668)$	(20.000) ± (1.011)	$(24.807) \pm (0.698)$	
DES17X2ls	56575.1	$(28.204) \pm (0.008)$ $(28.204) \pm (2.476)$	$(25.408) \pm (0.667)$	$(26.966) \pm (1.704)$	
DES17X2ls	56579.1	$(27.265) \pm (2.431)$	$(24.329) \pm (0.443)$	(20.500) ± (1.704)	
DES17X2ls	56591.1	21.976 ± 0.057	21.929 ± 0.061	21.929 ± 0.077	22.489 ± 0.151
DES17X2ls	56595.1	21.895 ± 0.069	21.961 ± 0.001 21.961 ± 0.079	22.395 ± 0.077 22.395 ± 0.276	22.403 ± 0.101
DES17X2ls	56602.1	23.494 ± 0.109	23.407 ± 0.121	23.893 ± 0.224	
DES17X2ls	56606.1	20.101 ± 0.100	20.479 ± 0.076	21.682 ± 0.102	22.14 ± 0.188
DES17X2ls	56609.1	23.489 ± 0.257	23.002 ± 0.164	23.236 ± 0.192	$(26.302) \pm (1.626)$
DES17X2ls	56615.1	$(24.513) \pm (0.829)$	23.038 ± 0.236	23.393 ± 0.192 23.393 ± 0.293	$(24.75) \pm (0.776)$
DES17X2ls	56628.1	$(26.765) \pm (0.023)$ $(26.765) \pm (1.377)$	23.77 ± 0.209	$(24.161) \pm (0.361)$	$(24.623) \pm (0.634)$
DES17X2ls	56635.1	$(24.738) \pm (0.466)$	$(24.539) \pm (0.473)$	$(25.481) \pm (0.903)$	$(24.614) \pm (0.599)$
DES17X2ls	56645.1	(21.100) ± (0.100)	23.822 ± 0.282		$(24.576) \pm (0.505)$
DES17X2ls	56653.0	$(24.128) \pm (0.523)$			(21.570) ± (0.505)
DES17X2ls	56653.1	(21.120) ± (0.020)	23.514 ± 0.311		
	55000.1		20.011 2 0.011		

SN name	MJD	g	r	i	z
		mag	mag	mag	mag
DES17X2ls	56660.1	$(28.248) \pm (2.435)$	24.053 ± 0.248	$(24.603) \pm (0.507)$	$(25.425) \pm (1.076)$
DES17X2ls	56667.1	•••	$(25.743) \pm (1.324)$	$(25.242) \pm (1.02)$	•••
DES17X2ls	56675.1	• • •	$(23.691) \pm (0.414)$	$(25.665) \pm (1.342)$	• • •
DES17X2ls	56682.1	$(26.068) \pm (0.935)$	$(26.436) \pm (1.342)$	•••	$(24.522) \pm (0.63)$
DES17X2ls	56690.0	•••	•••	$(27.768) \pm (2.648)$	•••
DES17X2ls	56697.1		$(25.184) \pm (0.876)$	$(26.894) \pm (2.179)$	
DES17X3bd	57982.4	23.042 ± 0.051	22.265 ± 0.02	•••	21.816 ± 0.02
DES17X3bd	57983.3			22.104 ± 0.025	
DES17X3bd	57986.4	22.902 ± 0.086			
DES17X3bd	57989.4	23.093 ± 0.076	22.633 ± 0.052	22.03 ± 0.032	
DES17X3bd	57990.4				21.918 ± 0.028
DES17X3bd	57994.3	23.473 ± 0.099	22.859 ± 0.053		
DES17X3bd	57994.4				21.927 ± 0.037
DES17X3bd	57996.3			22.097 ± 0.057	
DES17X3bd	57998.2	22.91 ± 0.186			
DES17X3bd	57998.3		23.083 ± 0.136		21.803 ± 0.035
DES17X3bd	57999.3		22.092 ± 0.149	22.205 ± 0.046	
DES17X3bd	58003.2				21.787 ± 0.025
DES17X3bd	58008.2	23.46 ± 0.3			
DES17X3bd	58008.4			22.186 ± 0.044	
DES17X3bd	58009.3				21.783 ± 0.027
DES17X3bd	58010.2	23.235 ± 0.057	22.541 ± 0.03		
DES17X3bd	58015.3			22.273 ± 0.031	21.97 ± 0.034
DES17X3bd	58019.2				21.98 ± 0.021
DES17X3bd	58019.3	23.396 ± 0.059	22.359 ± 0.022		
DES17X3bd	58021.2			22.251 ± 0.034	
DES17X3bd	58026.2	$(23.692) \pm (0.356)$			
DES17X3bd	58028.2	$(23.561) \pm (0.36)$			
DES17X3bd	58028.3	•••		22.333 ± 0.04	
DES17X3bd	58029.4	23.409 ± 0.174			
DES17X3bd	58036.1		23.125 ± 0.095		• • •
DES17X3bd	58036.2			22.355 ± 0.035	22.07 ± 0.043
DES17X3bd	58036.4	23.405 ± 0.297			
DES17X3bd	58039.2	23.636 ± 0.081			
DES17X3bd	58040.2		23.211 ± 0.059	22.619 ± 0.041	22.102 ± 0.027
DES17X3bd	58043.3	23.818 ± 0.1			
DES17X3bd	58045.1	• • •	24.057 ± 0.138	22.758 ± 0.045	
DES17X3bd	58045.2				22.031 ± 0.024
DES17X3bd	58047.2	23.758 ± 0.1			
DES17X3bd	58052.1				22.335 ± 0.041
DES17X3bd	58052.2		23.796 ± 0.095		•••
DES17X3bd	58052.3			22.696 ± 0.041	
DES17X3bd	58054.1	23.873 ± 0.226			
DES17X3bd	58057.1		23.872 ± 0.179	22.827 ± 0.054	22.346 ± 0.035
DES17X3bd	58057.2	23.96 ± 0.272			
DES17X3bd	58064.1	24.292 ± 0.249	23.395 ± 0.185	23.577 ± 0.11	
DES17X3bd	58064.2			•••	22.81 ± 0.055
DES17X3bd	58071.1	24.019 ± 0.126			22.823 ± 0.045
DES17X3bd	58076.2	24.155 ± 0.155			
DES17X3bd	58079.1	•••	•••		23.126 ± 0.082
DES17X3bd	58082.1	24.487 ± 0.23	•••		
DES17X3bd	58085.0				24.042 ± 0.287
DES17X3bd	58086.1			$(25.147) \pm (0.379)$	
DES17X3bd	58093.0	24.185 ± 0.146			
DES17X3bd	58093.1		$(25.304) \pm (0.515)$		23.295 ± 0.078
DES17X3bd	58099.2	$(24.927) \pm (0.356)$			
DES17X3bd	58100.0			24.6 ± 0.252	
DES17X3bd	58100.1				23.069 ± 0.129
DES17X3bd	58107.1	23.952 ± 0.117			
DES17X3bd	58108.1		•••	23.562 ± 0.062	23.242 ± 0.058

SN name	MJD	g	r	i	Z
		$_{ m mag}$	$_{ m mag}$	mag	$_{ m mag}$
DES17X3bd	58112.1	23.796 ± 0.106	$(25.068) \pm (0.332)$		•••
DES17X3bd	58118.1	• • •	• • •	$(27.278) \pm (1.847)$	22.94 ± 0.078
DES17X3bd	58122.1	24.047 ± 0.124	$(26.192) \pm (0.68)$		
DES17X3bd	58127.1		•••	$(25.384) \pm (0.383)$	
DES17X3bd	58128.0				23.446 ± 0.073
DES17X3bd	58129.1	23.987 ± 0.11			• • •
DES17X3bd	58133.1	24.41 ± 0.211			
DES17X3bd	58135.1				23.528 ± 0.097
DES17X3bd	58140.0			$(25.688) \pm (0.536)$	
DES17X3dub	57989.4	$(26.45) \pm (0.856)$	$(26.933) \pm (1.258)$	$(28.775) \pm (2.861)$	
DES17X3dub	57996.3	(20.13) = (0.030)	(20.000) = (1.200)	$(27.46) \pm (2.257)$	•••
DES17X3dub	57998.2	$(24.797) \pm (0.783)$		(21.10) ± (2.201)	• • •
DES17X3dub	57998.3	(24.191) ± (0.109)	•••	•••	$(26.041) \pm (1.015)$
DES17X3dub	57999.3	•••	$(23.725) \pm (0.562)$		(20.041) ± (1.013)
		(25 271) + (1 472)	$(23.723) \pm (0.302)$	$(25.19) \pm (0.521)$	•••
DES17X3dub	58008.2	$(25.871) \pm (1.472)$			
DES17X3dub	58009.3	(96 499) + (0 661)	(25 700) . (0.250)	•••	$(27.235) \pm (1.67)$
DES17X3dub	58010.2	$(26.482) \pm (0.661)$	$(25.709) \pm (0.359)$	• • •	• • •
DES17X3dub	58019.3	$(27.049) \pm (0.872)$	$(26.186) \pm (0.458)$	•••	•••
DES17X3dub	58028.2	$(26.5) \pm (2.155)$	• • • •	•••	• • •
DES17X3dub	58028.3	• • •	• • •	$(25.951) \pm (0.727)$	• • •
${ m DES17X3dub}$	58036.1	• • •	$(24.692) \pm (0.341)$	• • •	• • • •
DES17X3dub	58036.2	• • •	• • • •	• • •	$(25.585) \pm (0.764)$
DES17X3dub	58040.2	• • •	$(26.228) \pm (0.576)$	$(27.139) \pm (1.205)$	$(25.513) \pm (0.464)$
DES17X3dub	58052.2	• • •	25.25 ± 0.261		
DES17X3dub	58057.1		$(25.108) \pm (0.474)$	$(26.18) \pm (0.758)$	$(26.476) \pm (0.923)$
DES17X3dub	58057.2	$(26.22) \pm (1.304)$	•••		•••
DES17X3dub	58064.1	23.009 ± 0.082	23.279 ± 0.171	23.401 ± 0.086	
DES17X3dub	58064.2				23.763 ± 0.122
DES17X3dub	58071.1	22.781 ± 0.036	22.818 ± 0.035	22.848 ± 0.037	23.121 ± 0.053
DES17X3dub	58076.2	22.976 ± 0.048	22.911 ± 0.043	22.681 ± 0.037	
DES17X3dub	58079.1				22.9 ± 0.064
DES17X3dub	58082.1	23.16 ± 0.068	22.822 ± 0.037	22.606 ± 0.036	22.0 ± 0.001
DES17X3dub	58085.0	25.10 ± 0.000	22.022 ± 0.001	22.000 ± 0.000	22.824 ± 0.1
DES17X3dub	58086.1		22.894 ± 0.075	22.597 ± 0.039	22.024 ± 0.1
DES17X3dub	58093.0		22.094 ± 0.075	22.597 ± 0.059	•••
		23.314 ± 0.061		•••	
DES17X3dub	58093.1	•••	22.725 ± 0.058		22.779 ± 0.045
DES17X3dub	58093.2			22.551 ± 0.047	•••
DES17X3dub	58099.2	23.81 ± 0.129	22.871 ± 0.049		• • •
DES17X3dub	58100.0	• • •	• • • •	22.66 ± 0.041	•••
DES17X3dub	58100.1	• • •	• • •	• • •	22.86 ± 0.104
DES17X3dub	58107.1	23.651 ± 0.076	22.869 ± 0.03	• • •	• • •
DES17X3dub	58108.1	• • •	• • • •	22.644 ± 0.022	22.718 ± 0.032
DES17X3dub	58112.1	23.702 ± 0.088	22.953 ± 0.045	• • •	
$\mathrm{DES}17\mathrm{X}3\mathrm{dub}$	58118.1	•••	• • •	22.669 ± 0.066	22.713 ± 0.062
${ m DES17X3dub}$	58122.1	23.911 ± 0.094	22.964 ± 0.041	• • •	• • •
${ m DES17X3dub}$	58127.1			22.66 ± 0.03	
DES17X3dub	58128.0				22.744 ± 0.034
DES17X3dub	58129.1	23.844 ± 0.08	22.908 ± 0.035		
DES17X3dub	58133.1	24.007 ± 0.131	•••	22.747 ± 0.043	
DES17X3dub	58135.1				22.761 ± 0.044
DES17X3dub	58136.1		22.941 ± 0.035		
DES17X3dub	58140.0	•••	22.341 ± 0.033	22.818 ± 0.042	•••
PEDITAGUUD	0.0140.0	- · · ·		22.010 ± 0.042	