

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 5004 - L2 Version 001
Chandra X-Ray Center

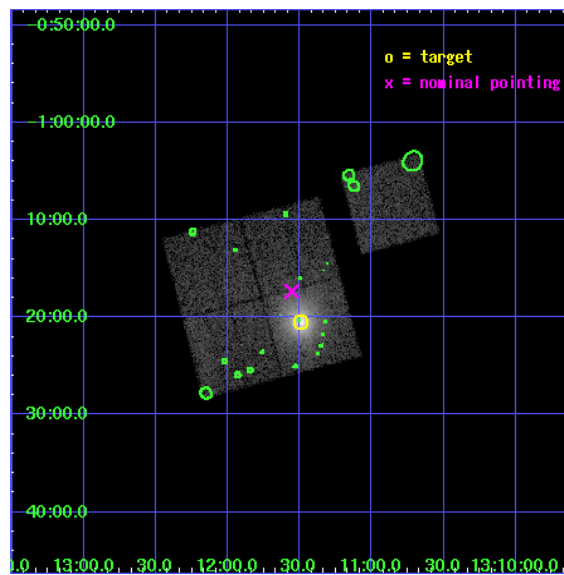
L2 Processing Date : May 31 2006

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1 Front

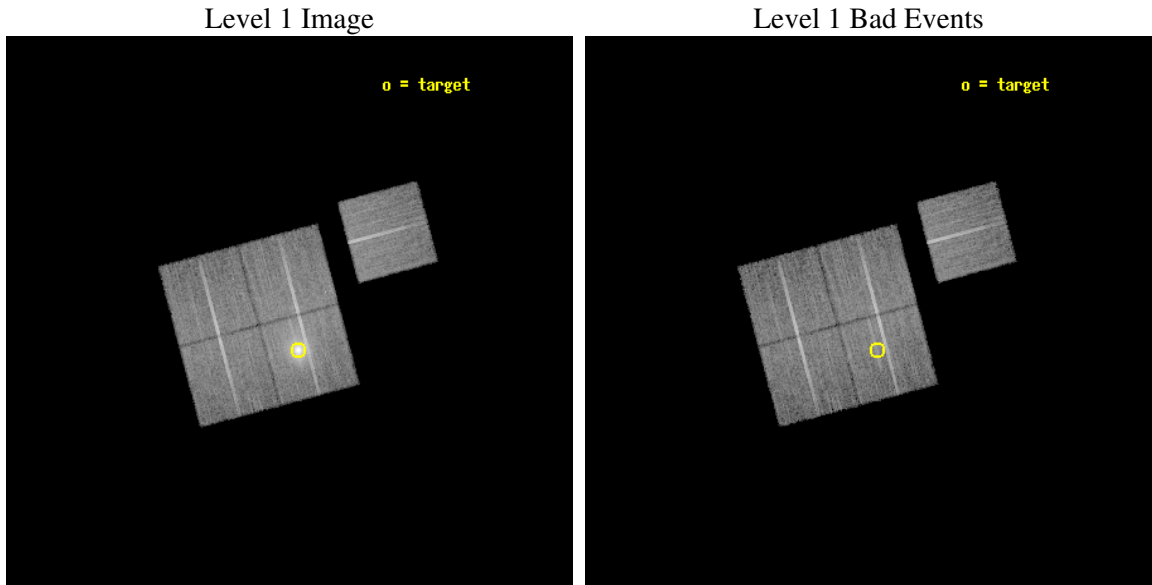
seq_num	800447
obs_id	5004
title	Cluster studies: Determination of H0/q0
observer	DR. LEON VANSPEYBROECK
object	A1689
dtcycle	0
cycle	P
ra_targ	197.872917
dec_targ	-1.341111
ra_nom	197.88873868161
dec_nom	-1.2891437376771
roll_nom	75.154468019028
revision	2
ontime	20118.999961317
livetime	19856.13041543
ontime0	20115.858981103
ontime1	20115.858971059
ontime2	20115.858971059
ontime3	20118.999961317
ontime6	20115.858971059
l2events	94336



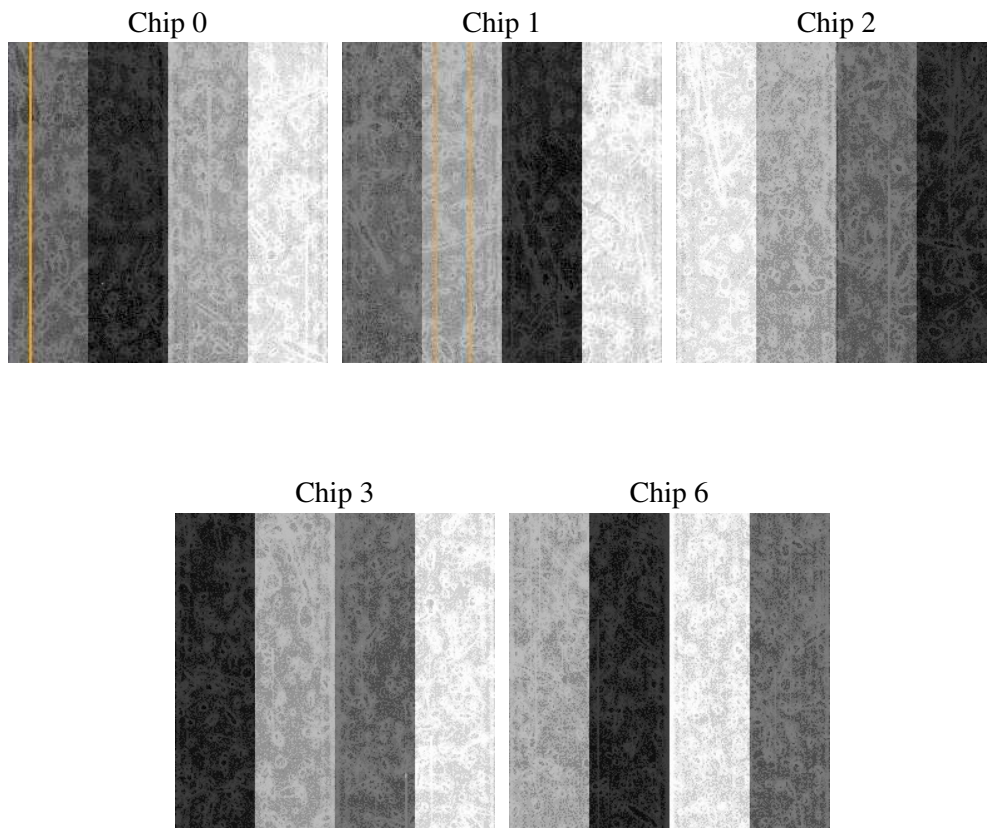
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-05-31T07:30:56
revision	2

sched_exp_time	20000.000000
ontime	20124.447461605
ontime0	20121.306481391
ontime1	20121.306471348
ontime2	20121.306471348
ontime3	20124.447461605
ontime6	20121.306471348
l1events	592316

2.1.4 Events

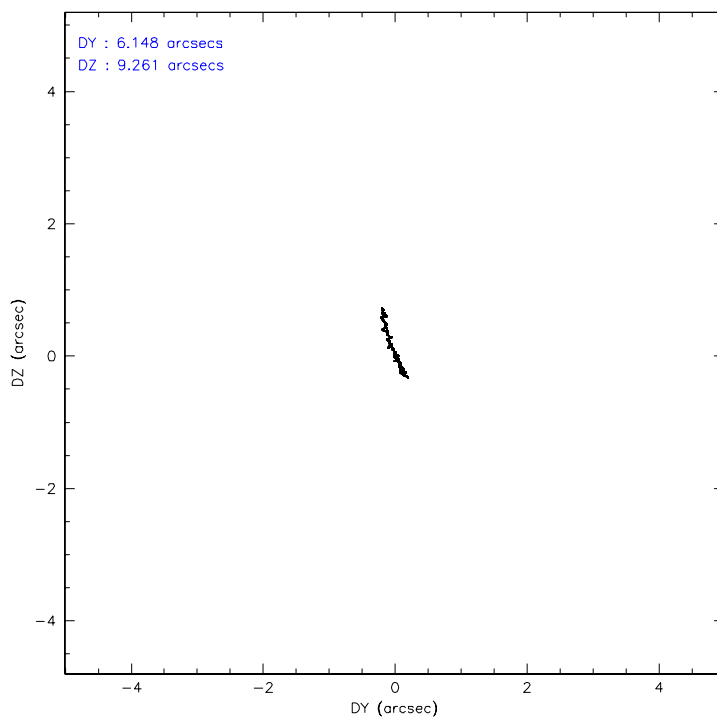
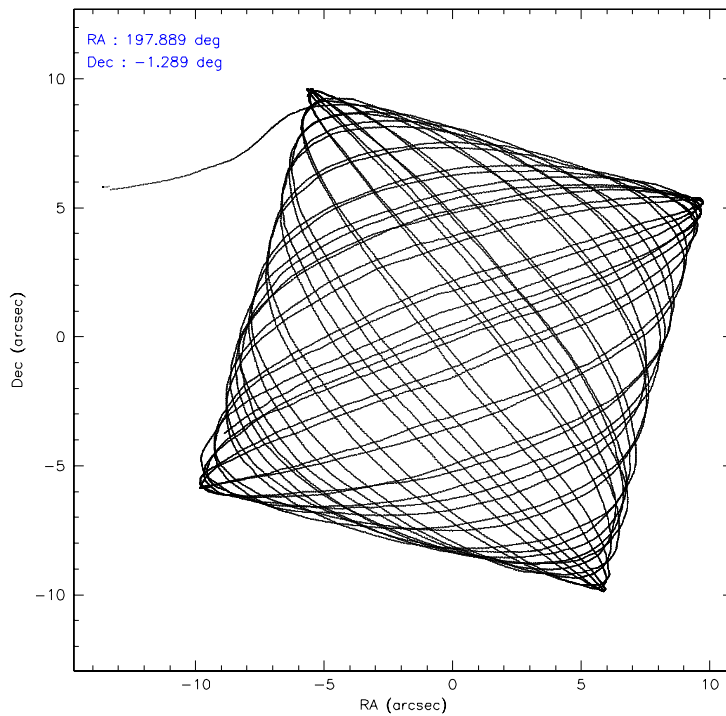
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	101651	103469	115651	159051	112494
rejected events	90087	90509	103362	101405	101134
rejected %	88%	87%	89%	63%	89%

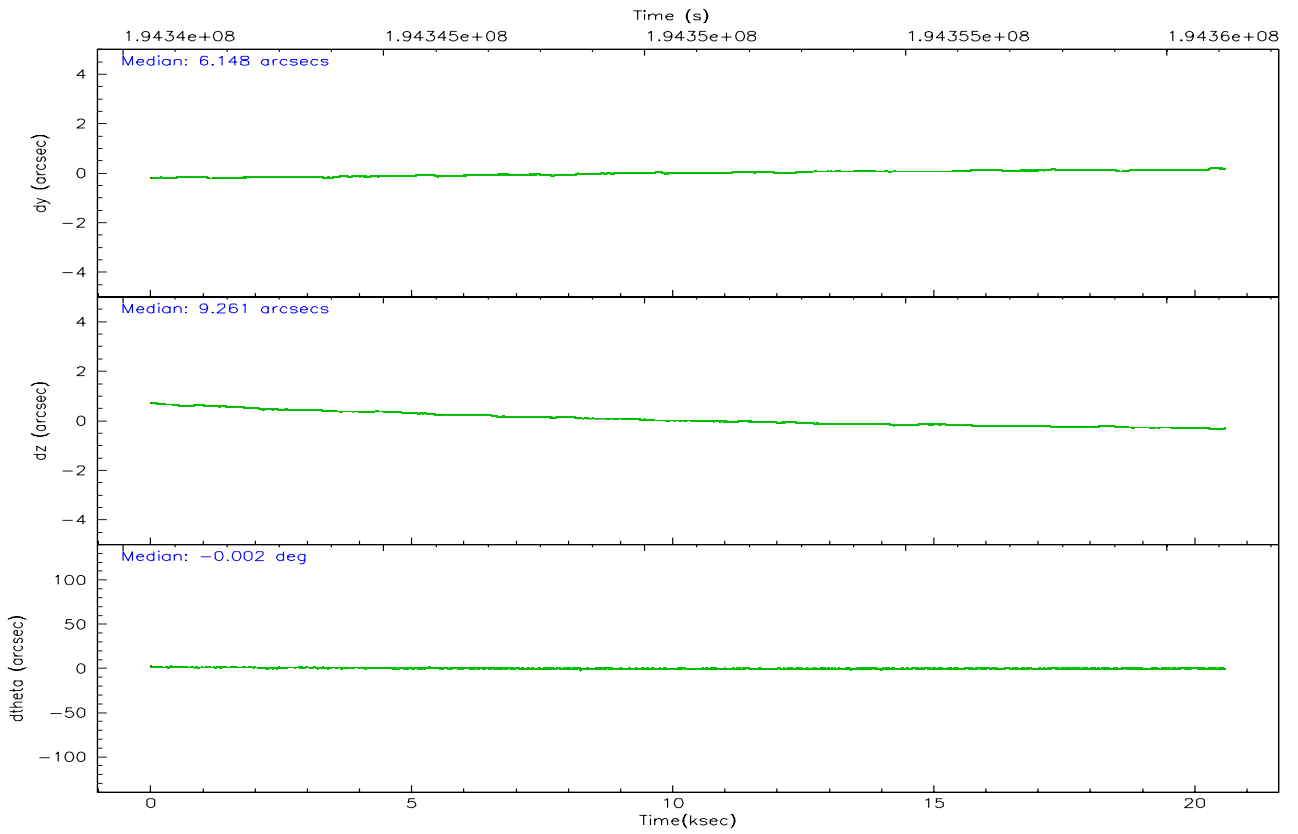
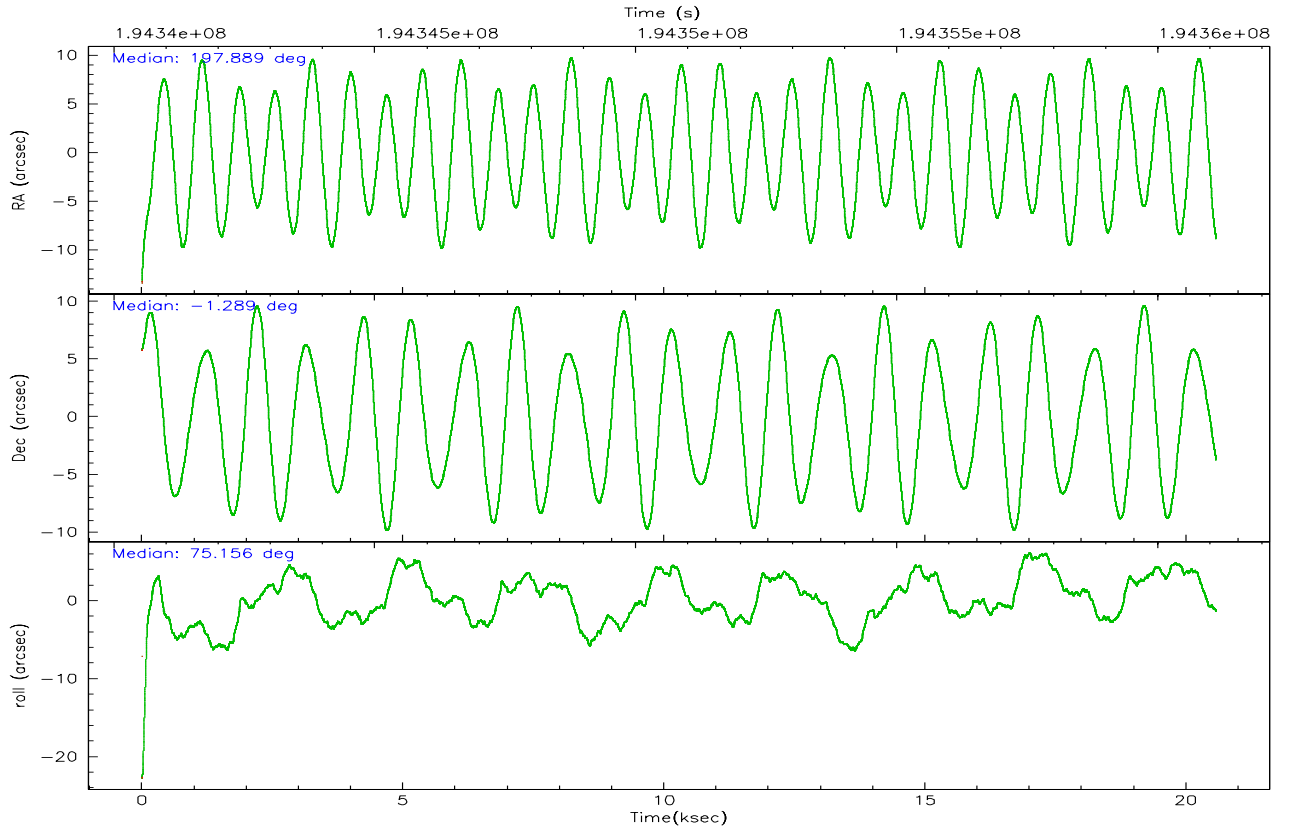
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	4236	5132	5015	42364	4042
	4%	4%	4%	26%	3%
grade 1 events	53	49	69	250	43
	0%	0%	0%	0%	0%
grade 2 events	2578	2580	2695	6818	2285
	2%	2%	2%	4%	2%
grade 3 events	1379	1376	1204	2624	1308
	1%	1%	1%	1%	1%
grade 4 events	1205	1410	1349	2718	1267
	1%	1%	1%	1%	1%
grade 5 events	3898	4142	3794	4525	4521
	3%	4%	3%	2%	4%
grade 6 events	2170	2463	2029	3145	2460
	2%	2%	1%	1%	2%
grade 7 events	86132	86317	99496	96607	96568
	84%	83%	86%	60%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	197.896019	197.8887386816079	Alternating exposures requested	N	N
Pointing Dec	-1.315569	-1.289143737677117	Primary exposure time	0.000000	3.1
Pointing Roll	74.945951	75.15446801902813			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-225.840463	-225.8433433320239			
SIM translation stage offset (mm)	-7.752	-7.749109670905796			
Observation start time	194341128.184000	194339973.54291			
Observation start date	2004-02-28T07:37:44	2004-02-28T07:19:33			
Observation end time	194361128.184000	194361575.93135			
Observation end date	2004-02-28T13:11:04	2004-02-28T13:19:35			
Read mode	TIMED	TIMED			

2.3 Aspect



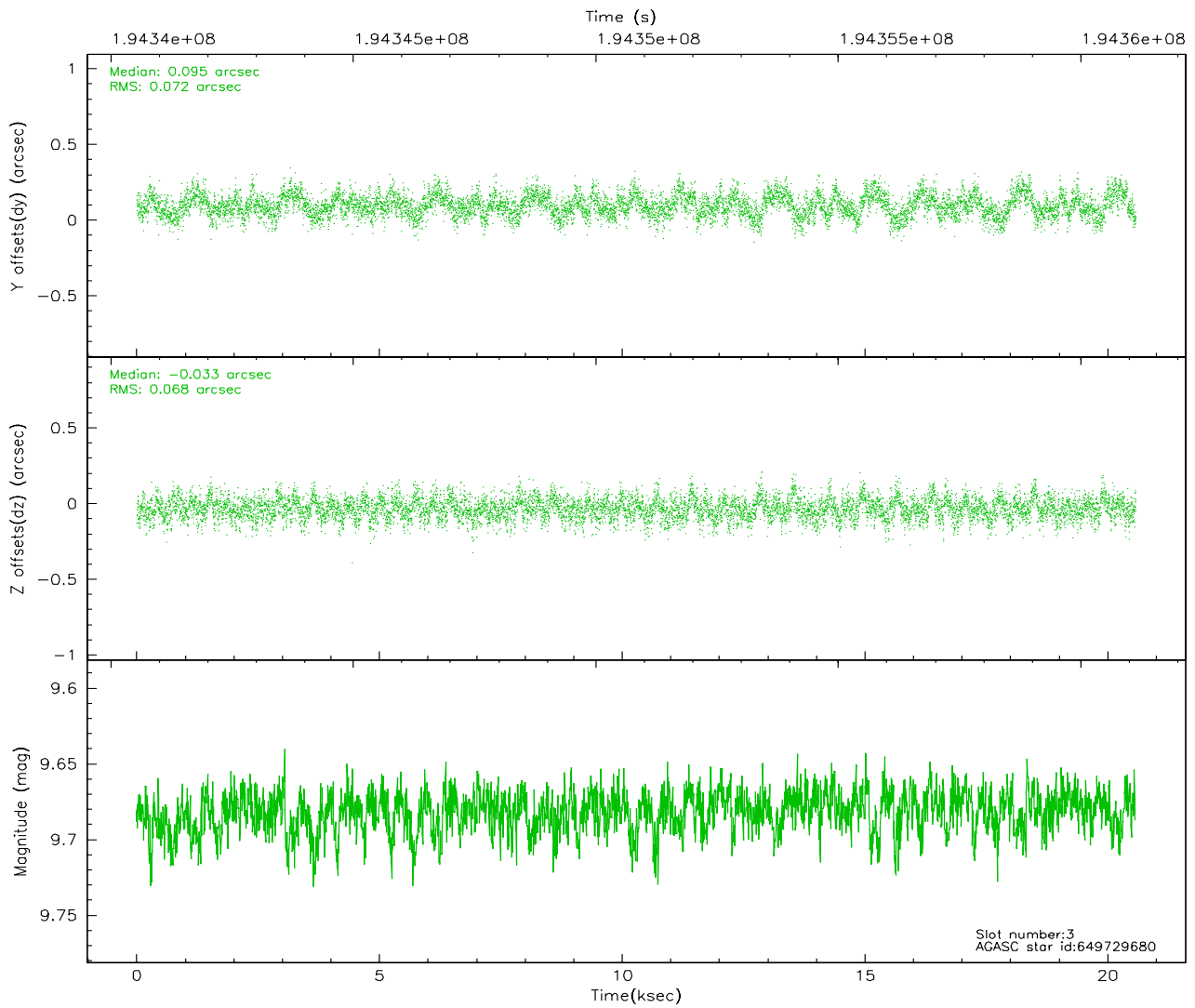
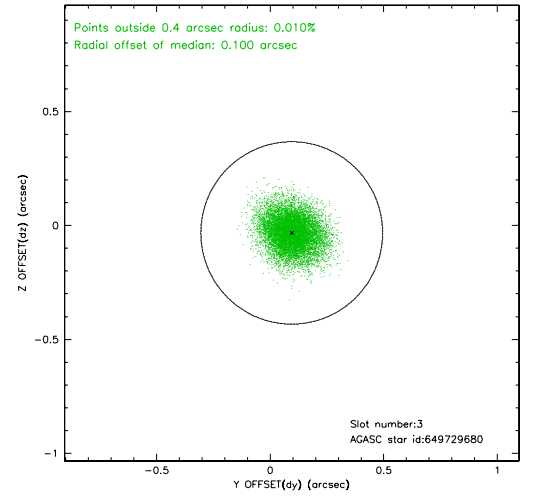
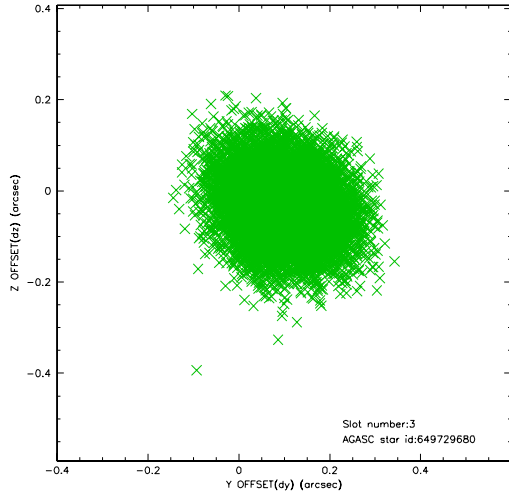


Slot Statistics

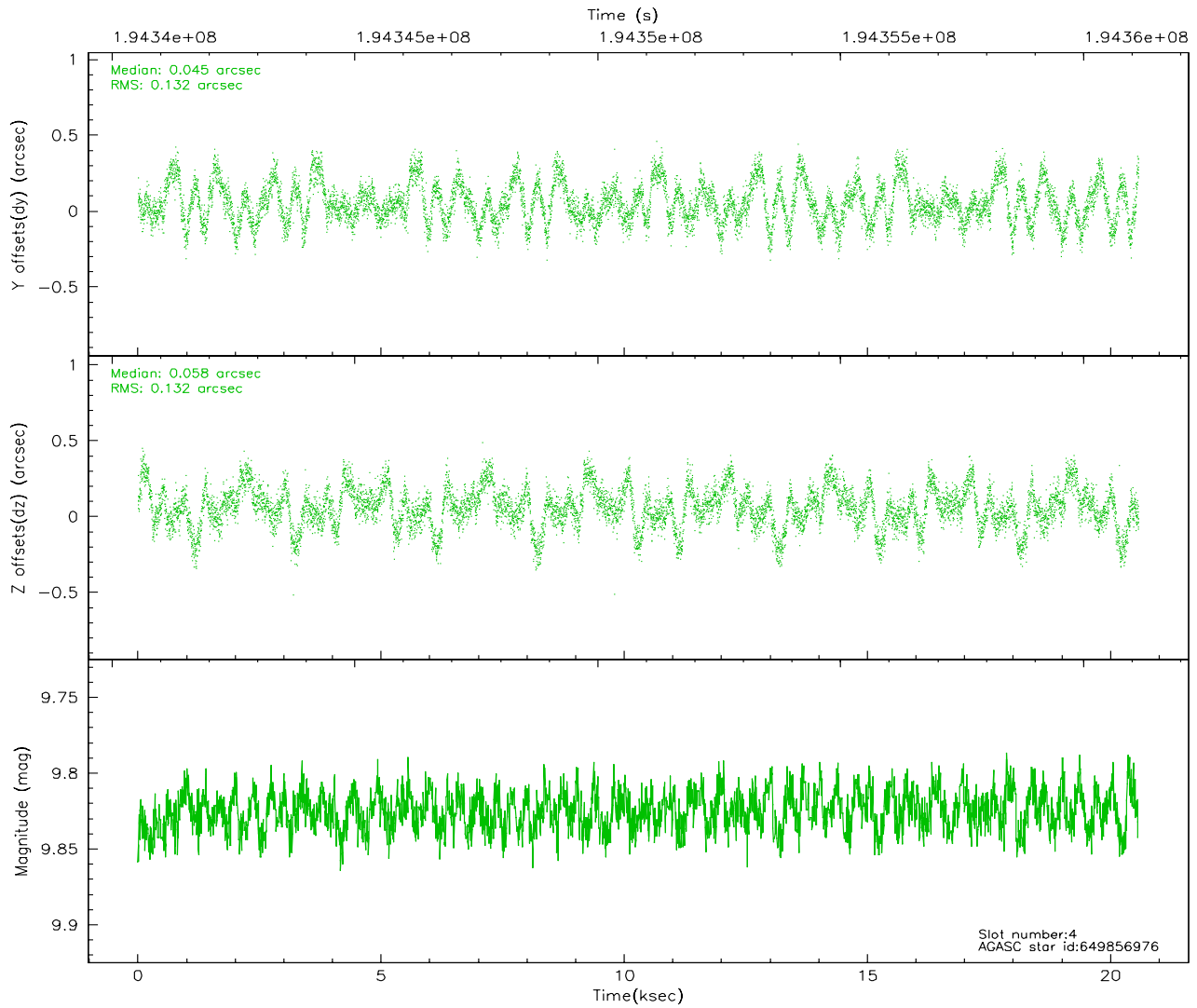
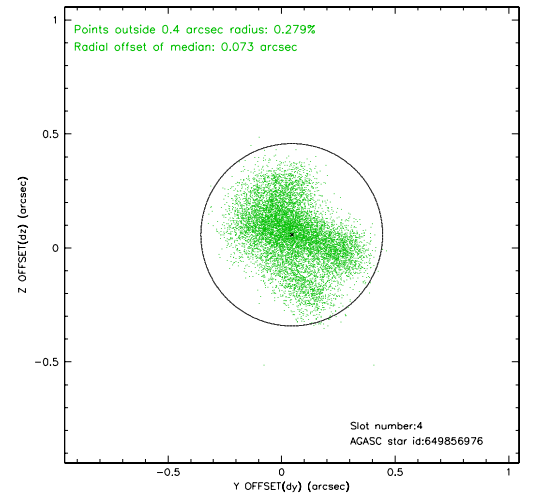
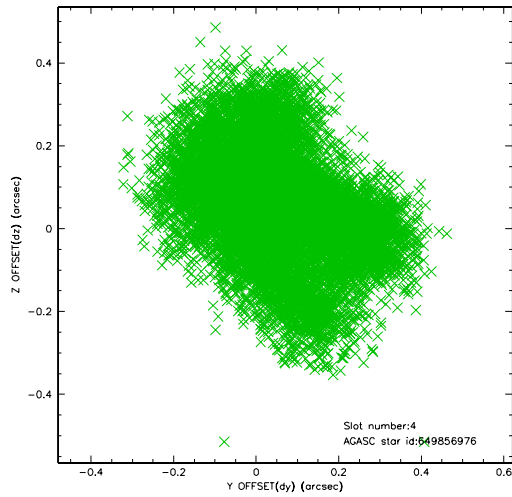
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	5020	0.056	-0.033	0.007	0.013	0.000000	0.000000	933.48	-991.89
1	FID	ACIS-I-5	7.22	5020	-0.183	0.065	0.006	0.011	0.000000	0.000000	-1814.77	905.56
2	FID	ACIS-I-6	7.25	5020	0.035	0.039	0.007	0.012	0.000000	0.000000	398.80	1550.26
3	GUIDE	649729680	9.68	10029	0.095	-0.033	0.106	0.173	197.477731	-1.403690	-697.54	1371.32
4	GUIDE	649856976	9.83	10031	0.045	0.058	0.207	0.308	197.988518	-1.476151	-472.10	-471.31
5	GUIDE	649858864	9.64	10032	-0.178	-0.047	0.118	0.197	197.684428	-0.695156	1958.62	1316.12
6	GUIDE	649860032	8.93	10036	-0.133	0.007	0.084	0.131	197.517008	-0.616758	2074.85	1971.39
7	GUIDE	649726472	10.53	10025	0.165	0.029	0.198	0.336	197.403429	-1.852261	-2326.12	1210.14

2.4 Star Slots

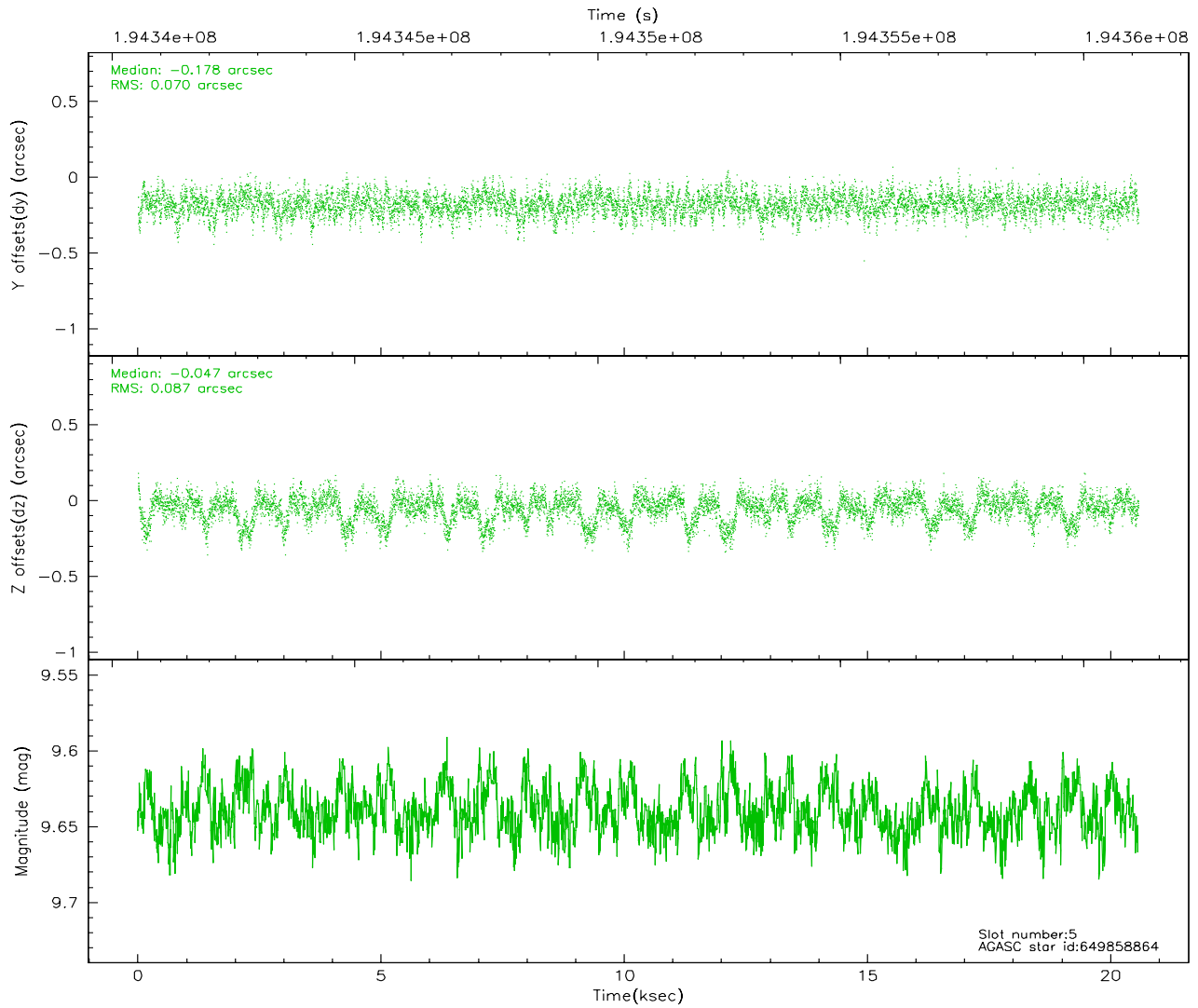
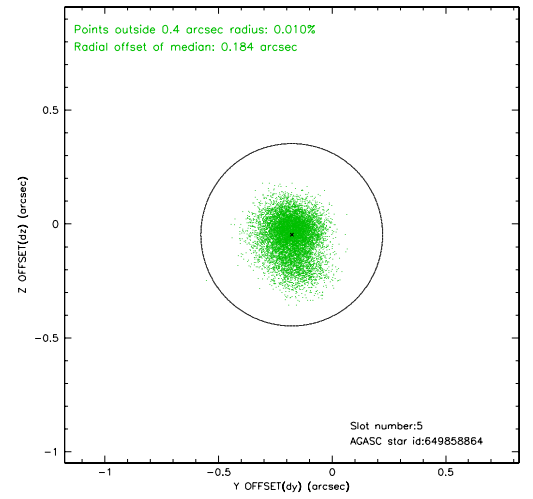
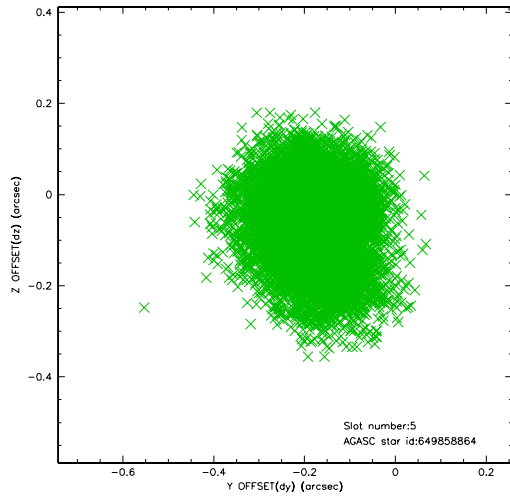
2.4.1 Slot 3



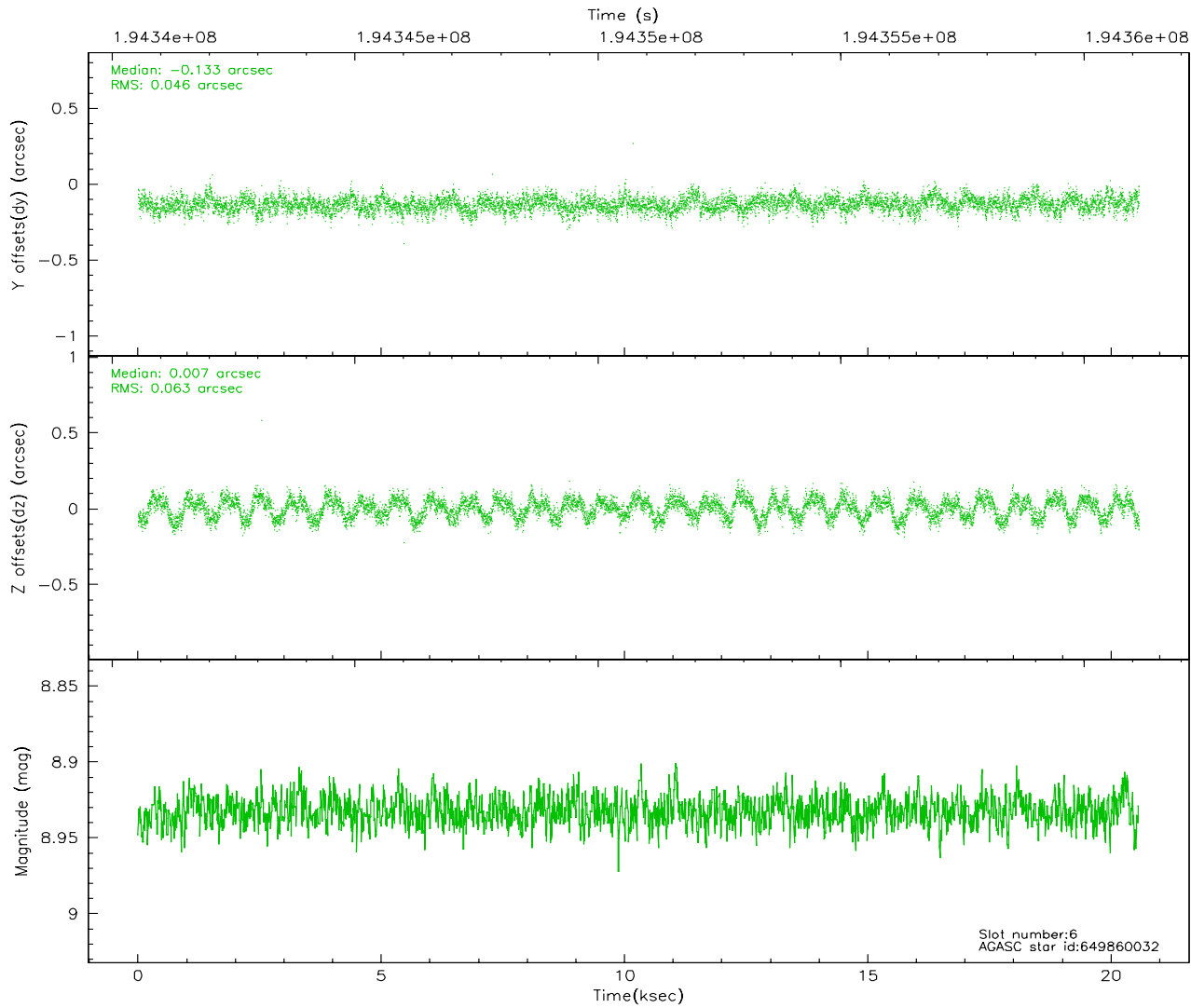
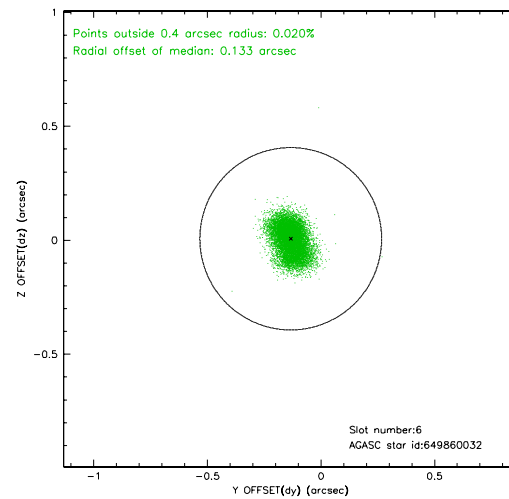
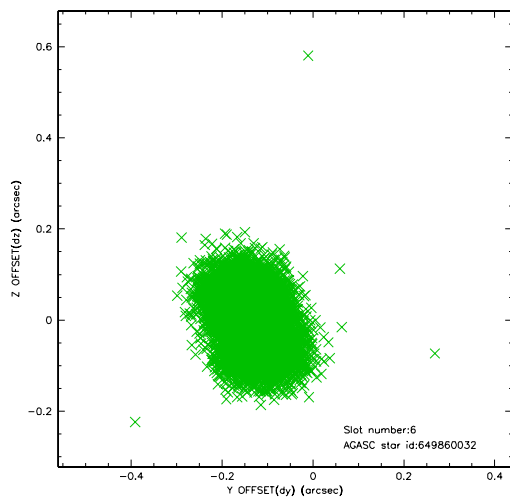
2.4.2 Slot 4



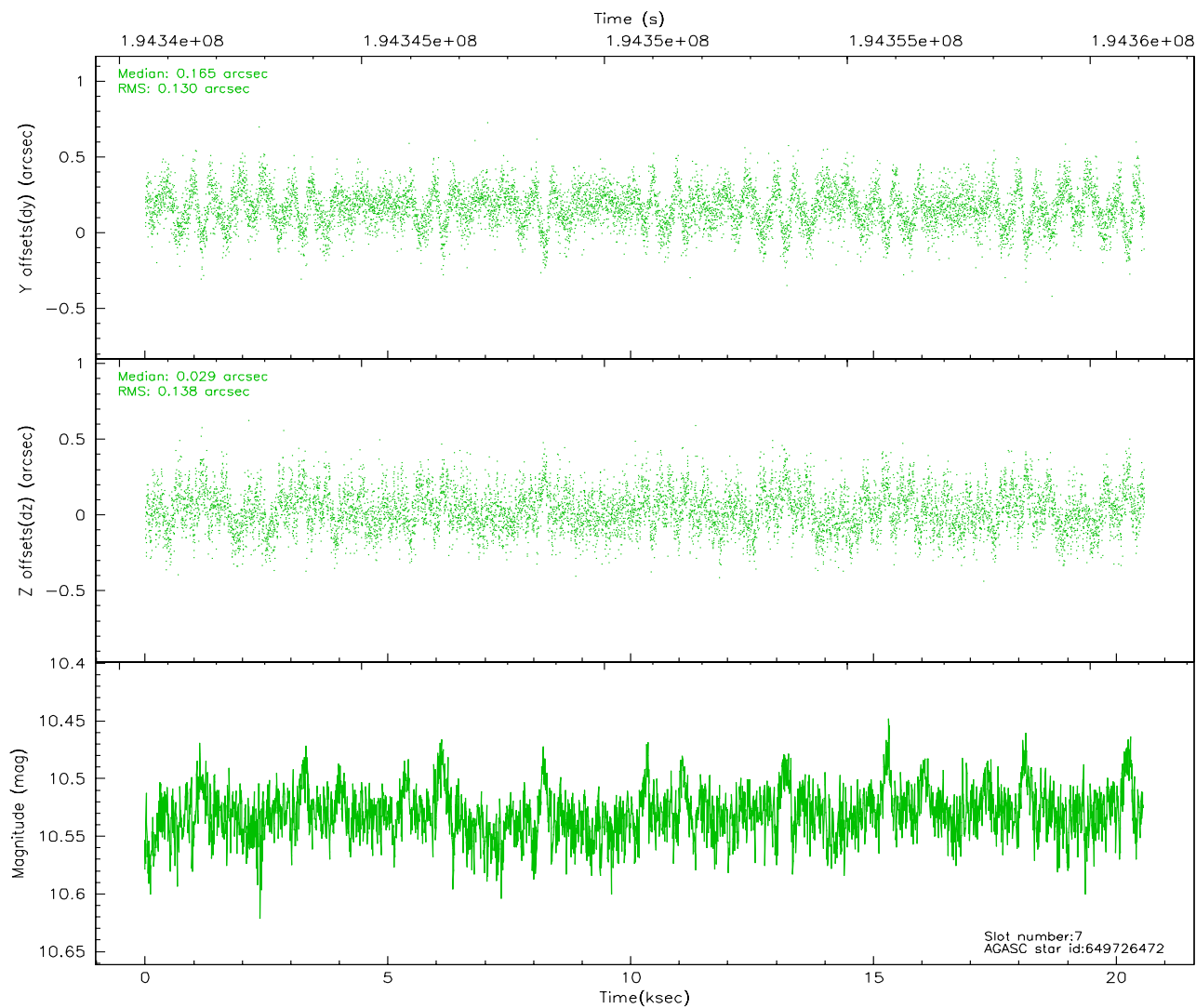
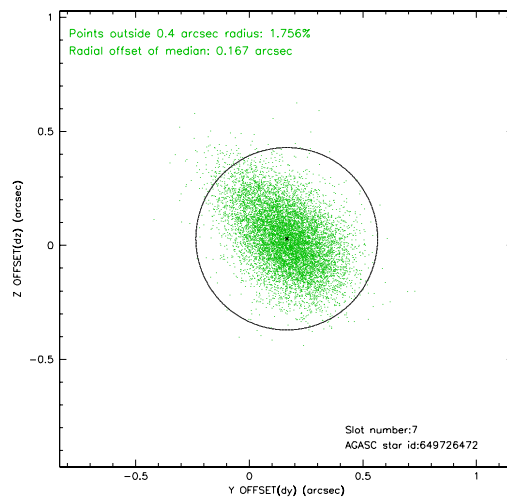
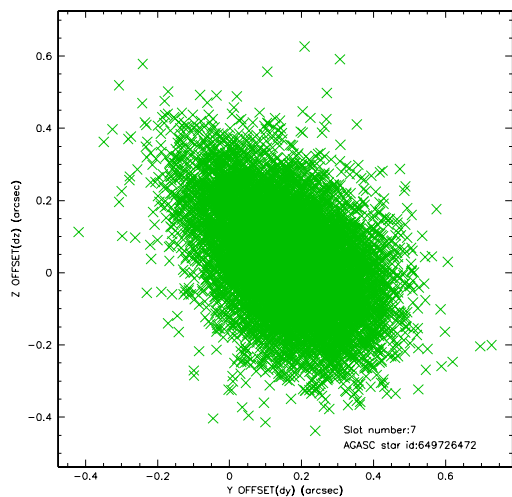
2.4.3 Slot 5



2.4.4 Slot 6

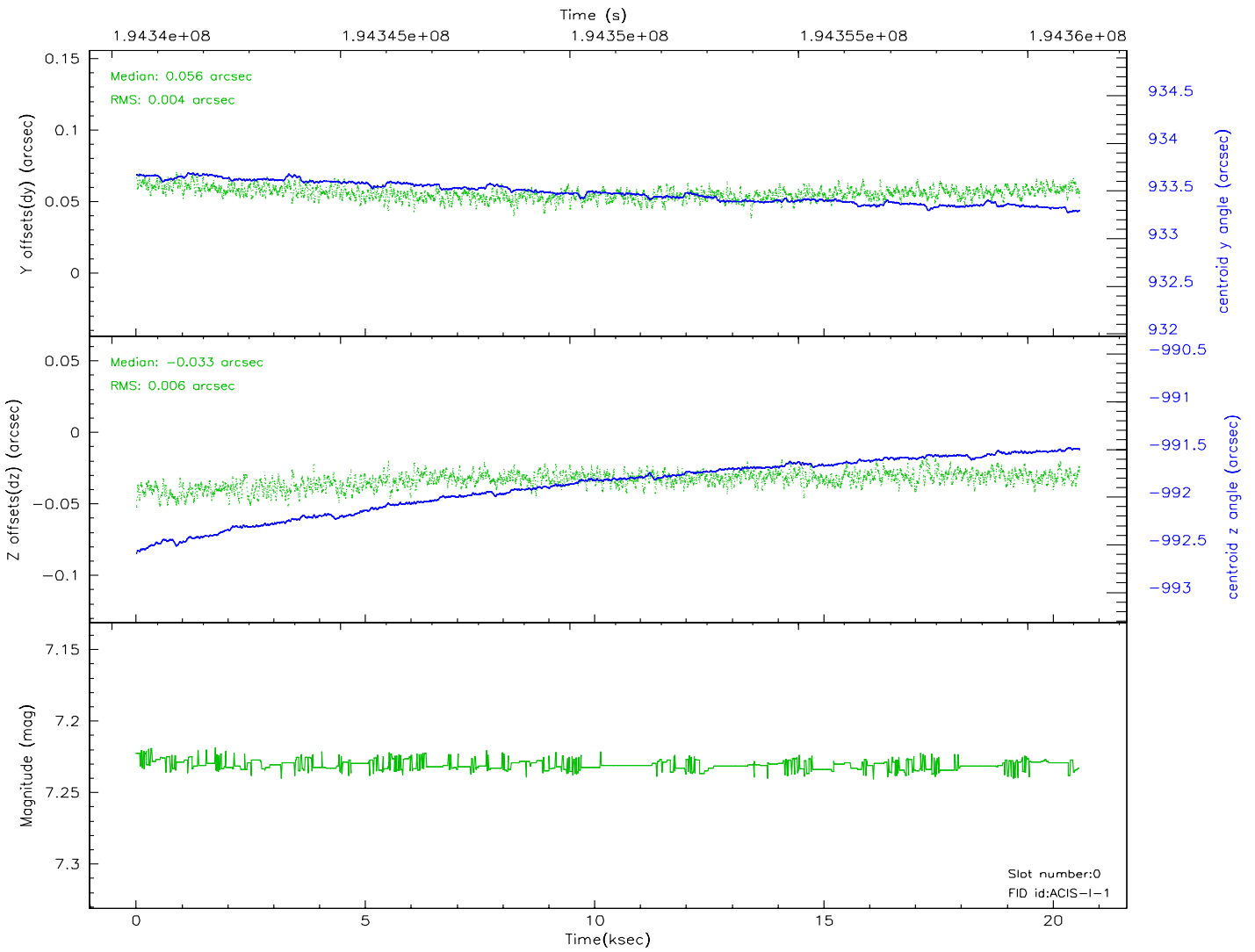
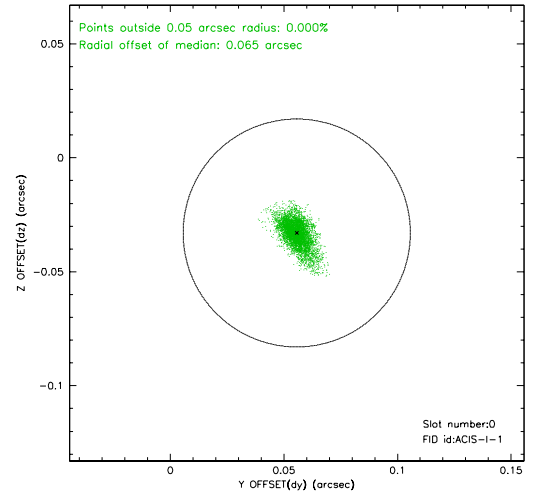
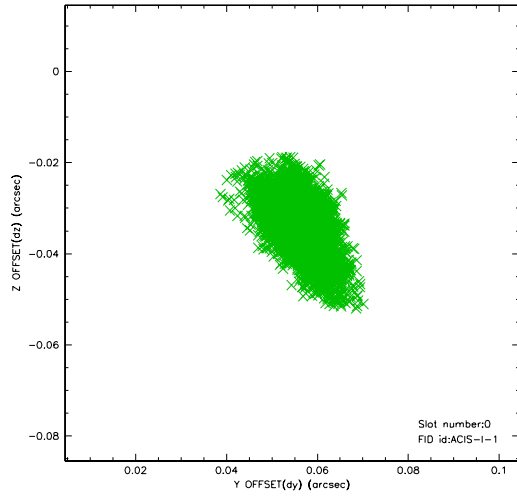


2.4.5 Slot 7

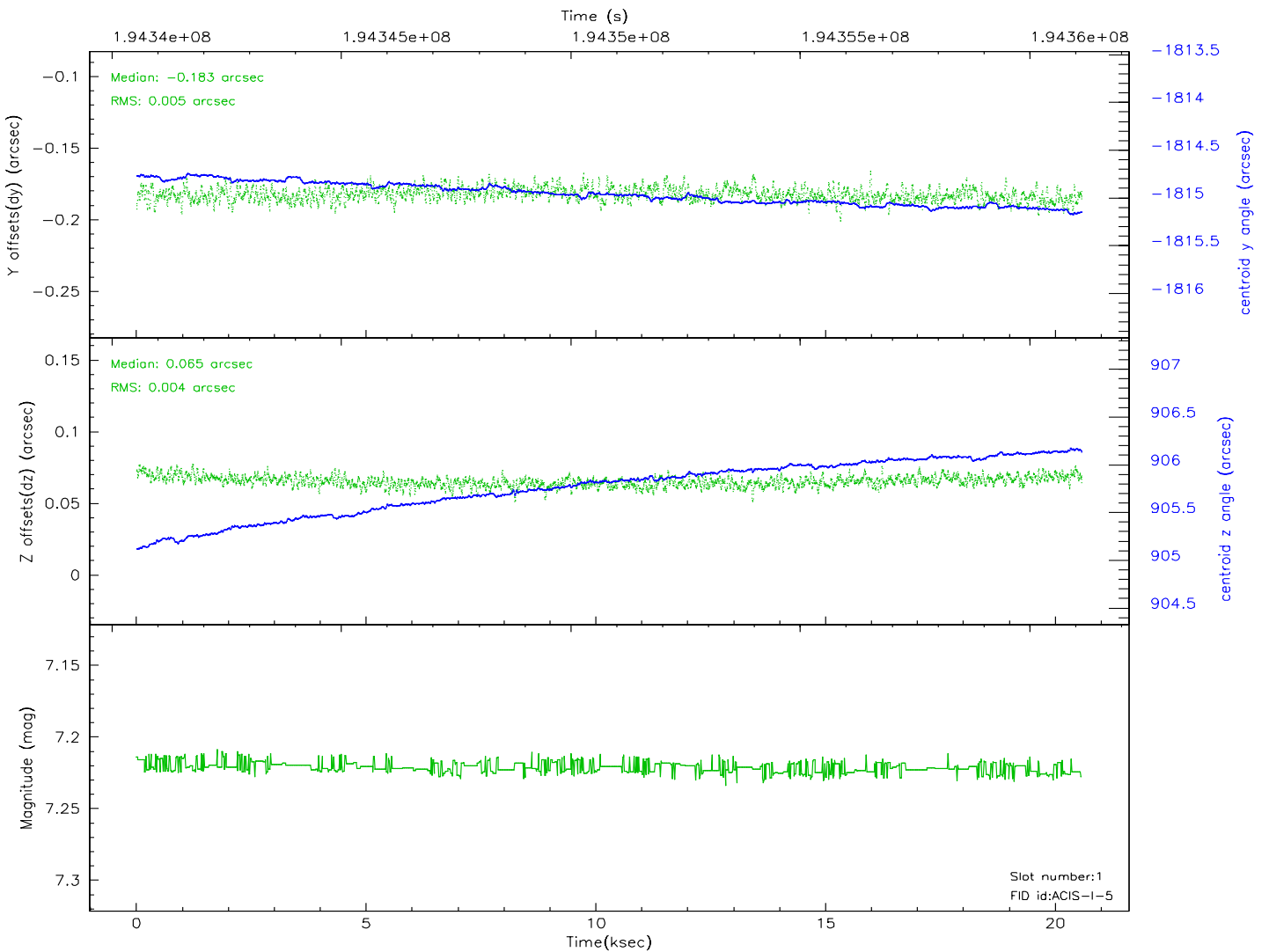
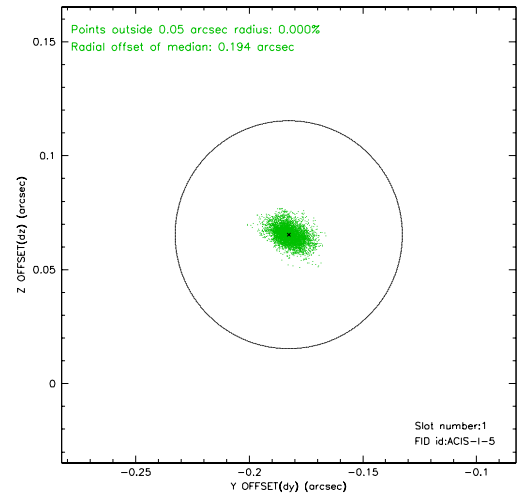
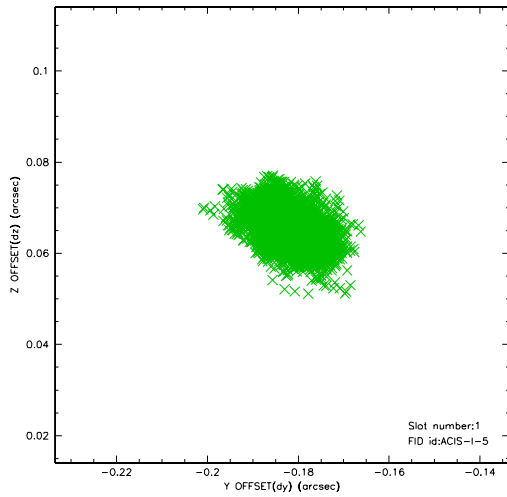


2.5 FID Slots

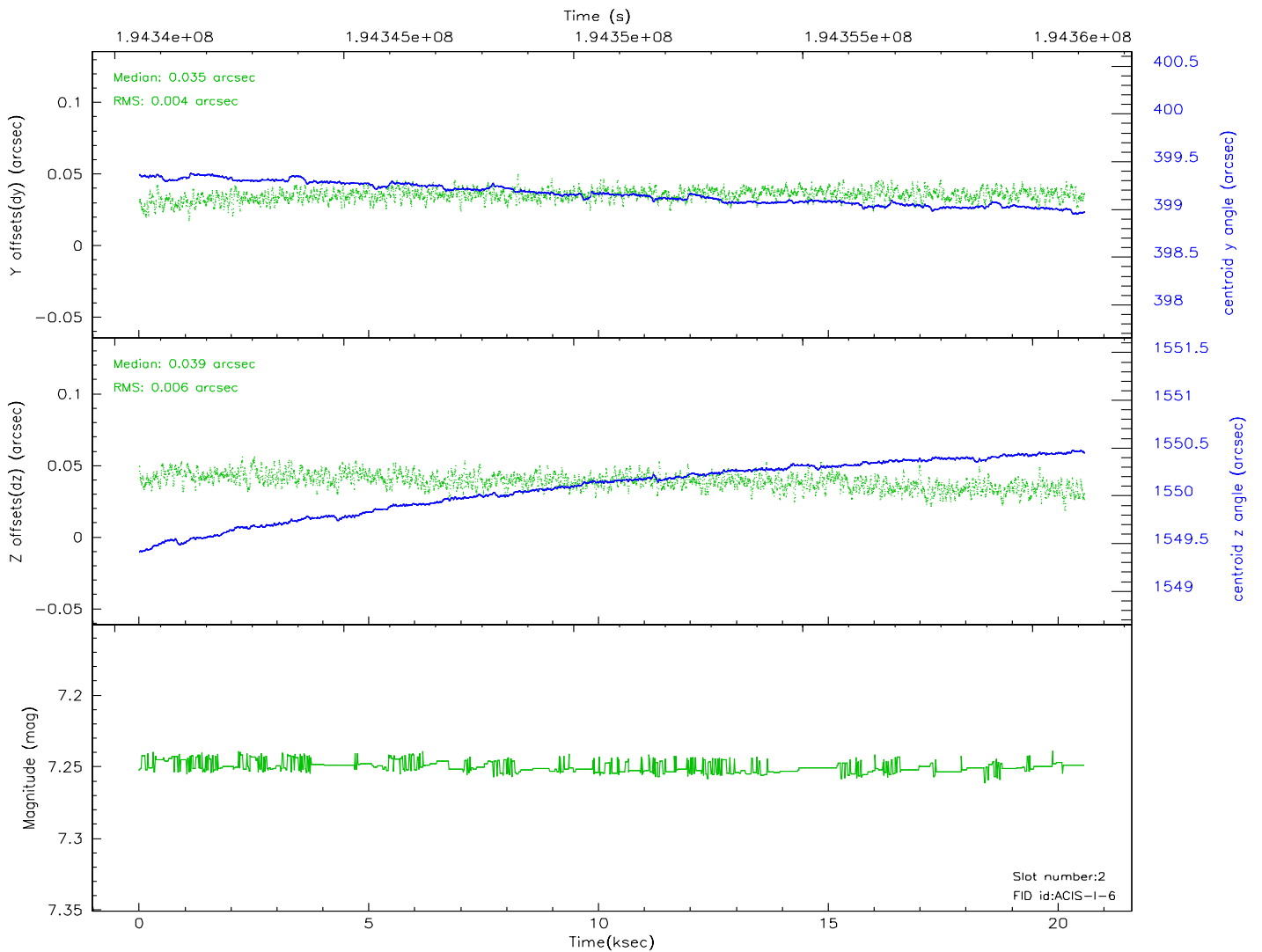
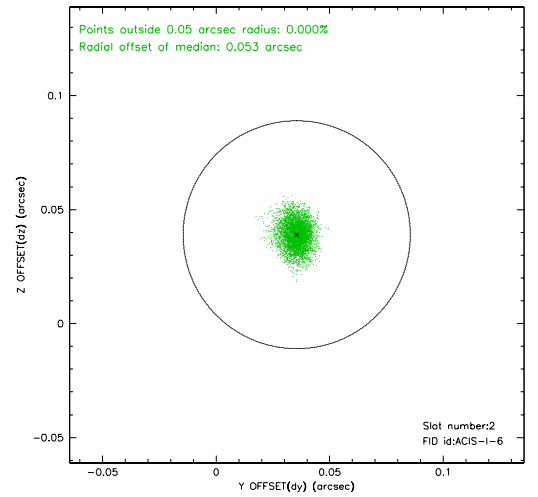
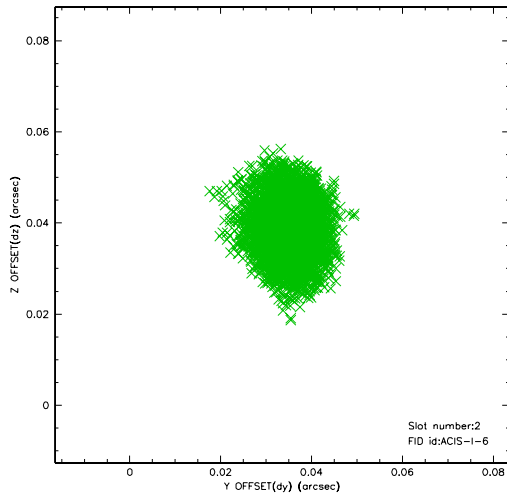
2.5.1 Slot 0



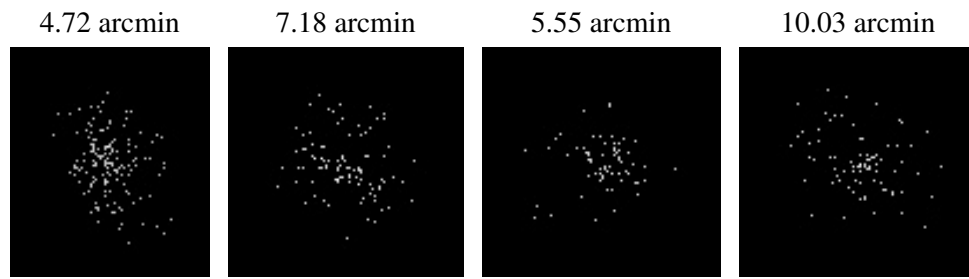
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.05.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.122

A.2 Comments