

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2225 - L2 Version 001
Chandra X-Ray Center

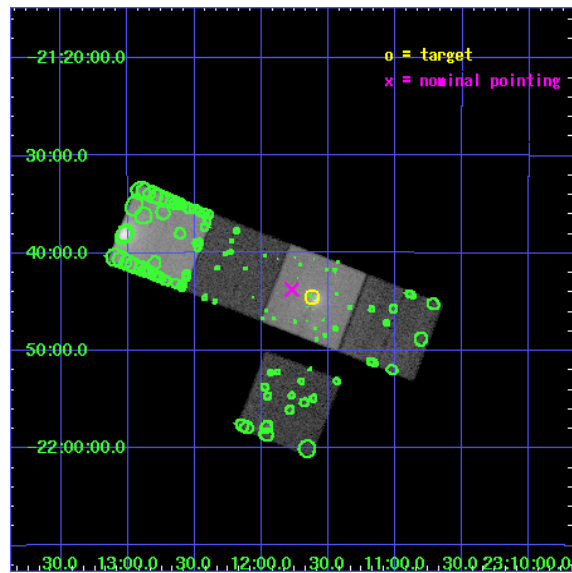
L2 Processing Date : Dec 31 2006

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1 Front

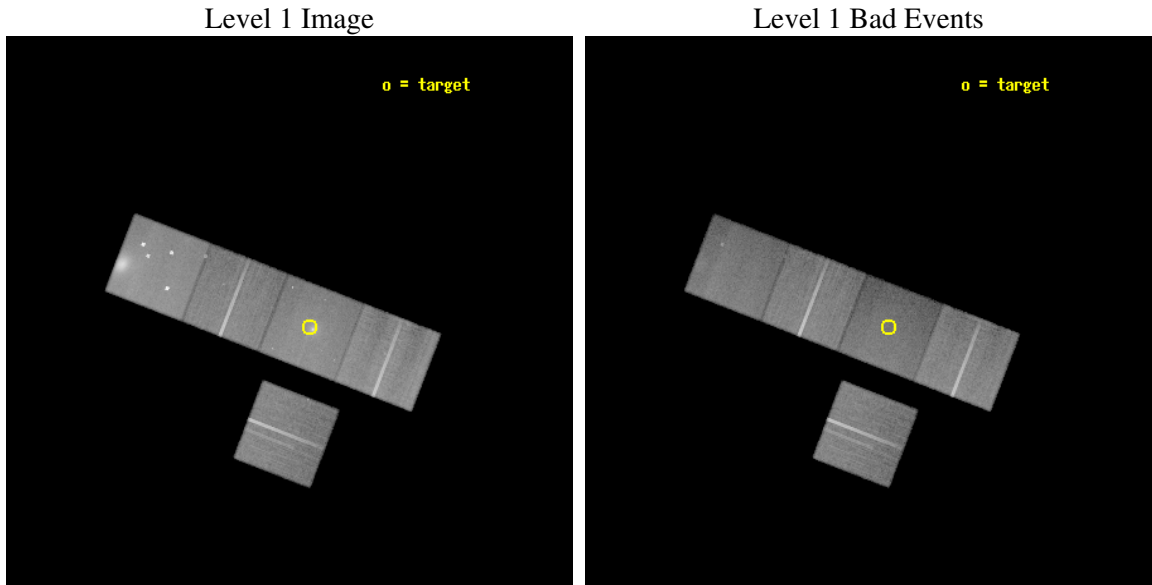
seq_num	800164
obs_id	2225
title	A DIFFERENTIAL X-RAY GUNN-PETERSON TEST USING A GIANT CLUSTER FILAMENT
observer	Dr Maxim Markevitch
object	A2550
dtcycle	0
cycle	P
ra_targ	347.905
dec_targ	-21.741
ra_nom	347.94327727296
dec_nom	-21.729159437931
roll_nom	21.189292829242
revision	2
ontime	59795.899885029
livetime	59014.62243193
ontime3	59792.758944705
ontime5	59795.899885029
ontime6	59792.758894876
ontime7	59795.899885029
ontime8	59786.445379972
l2events	490504



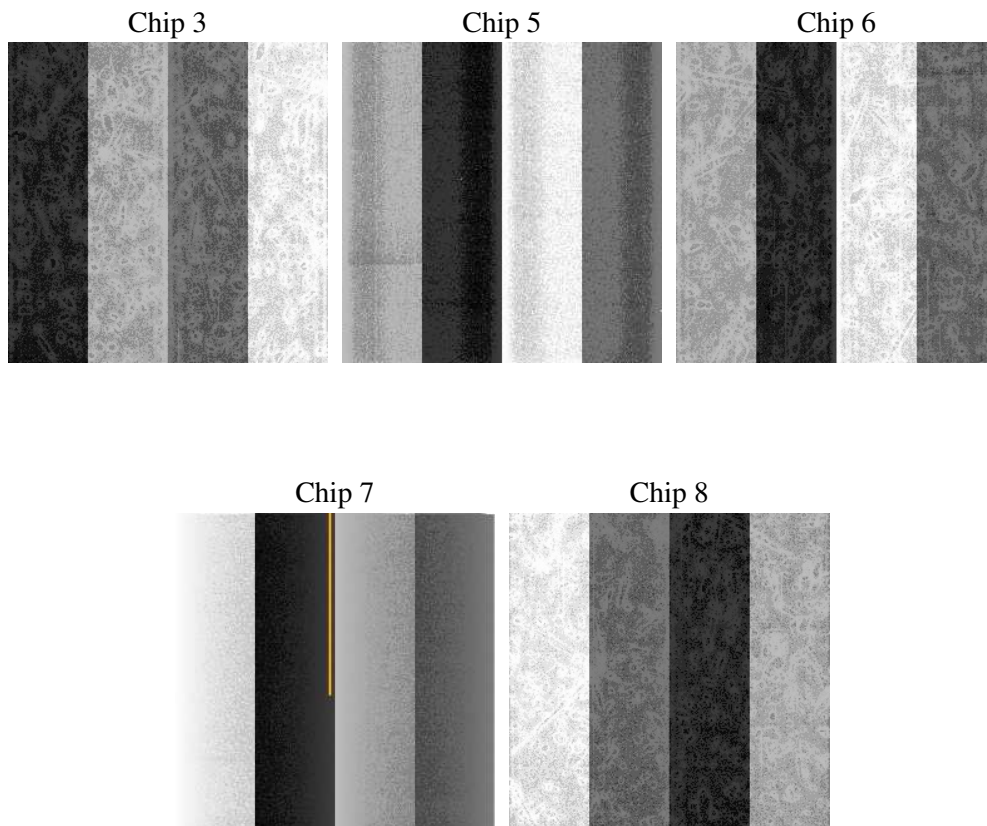
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-12-31T07:26:28
revision	2

sched_exp_time	59700.000000
ontime	59798.446182922
ontime3	59795.305242598
ontime5	59798.446202859
ontime6	59795.305192769
ontime7	59798.446182922
ontime8	59789.023252279
l1events	1877394

2.1.4 Events

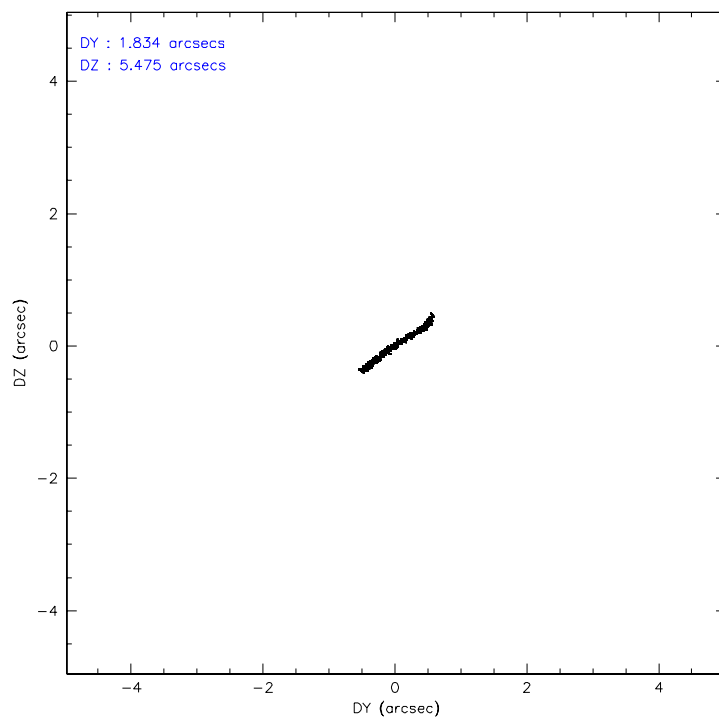
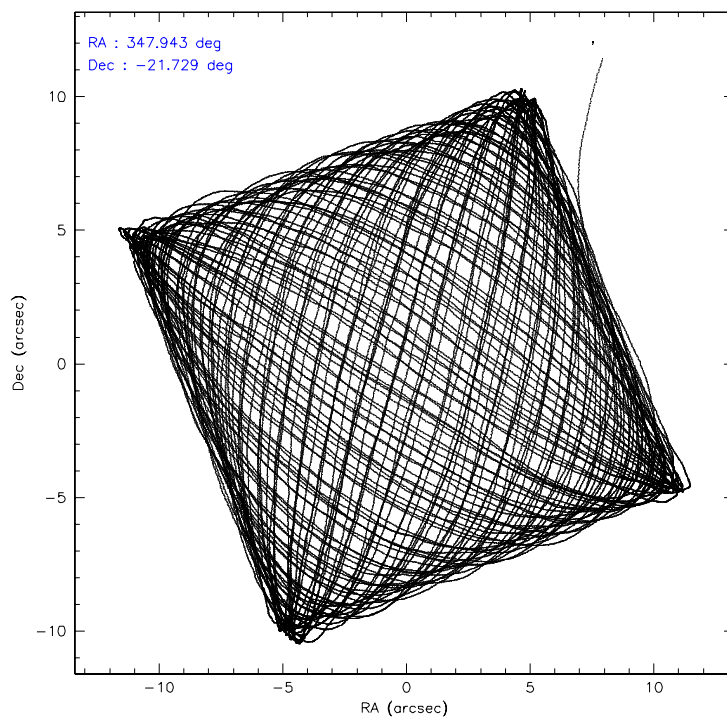
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	316322	487420	325669	353253	394730
rejected events	287618	210659	290861	190750	312375
rejected %	90%	43%	89%	53%	79%

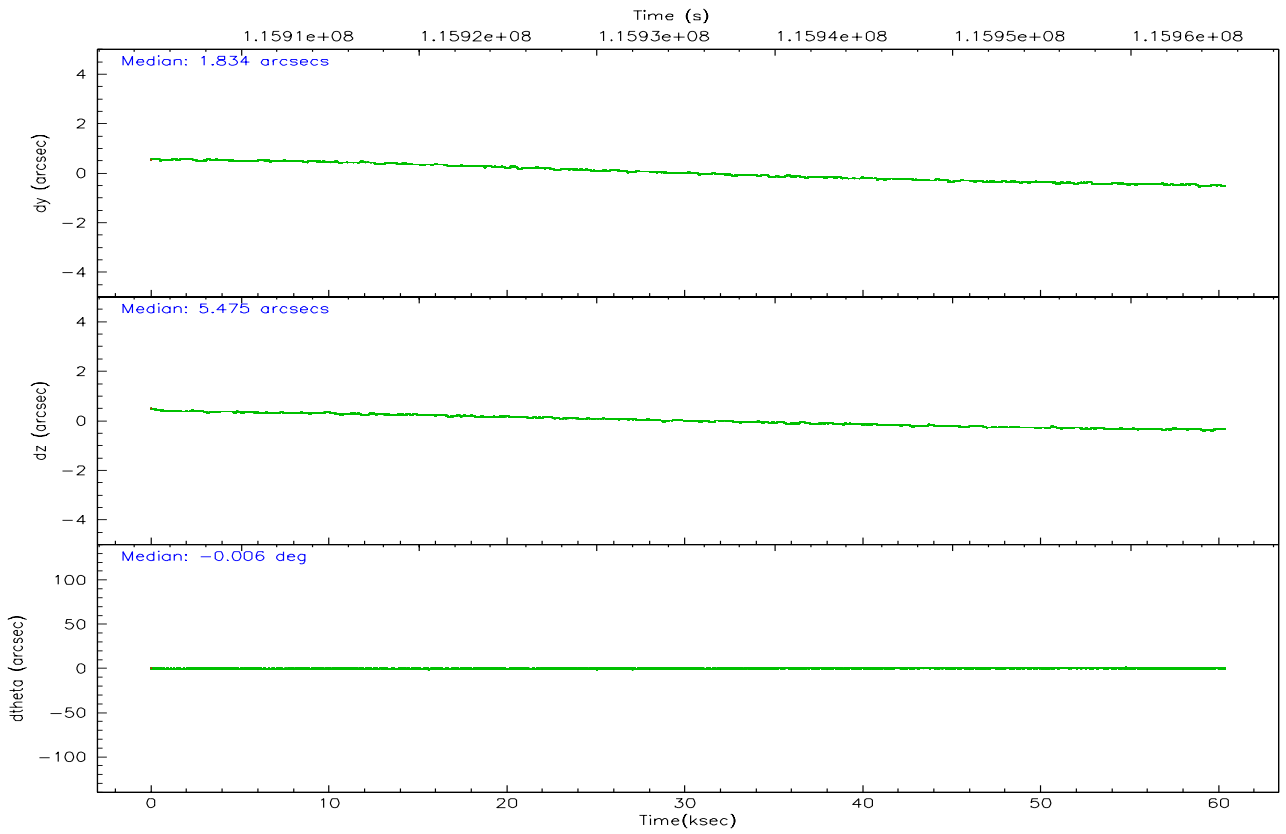
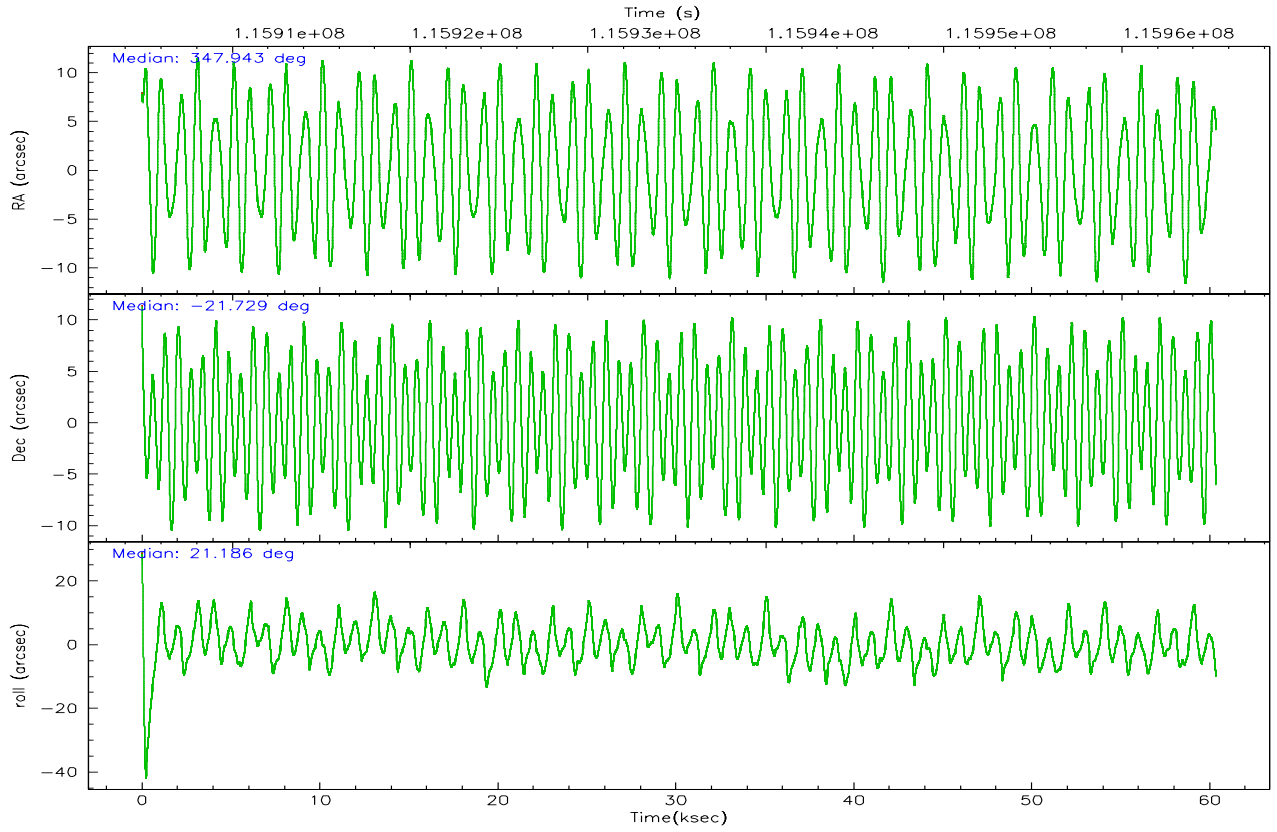
	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	10574	56650	14050	16905	25032
	3%	11%	4%	4%	6%
grade 1 events	129	740	151	186	231
	0%	0%	0%	0%	0%
grade 2 events	5857	82476	6971	40470	17799
	1%	16%	2%	11%	4%
grade 3 events	3337	9938	3732	11247	9119
	1%	2%	1%	3%	2%
grade 4 events	3261	10135	3646	11009	8558
	1%	2%	1%	3%	2%
grade 5 events	10821	22908	11809	26371	15843
	3%	4%	3%	7%	4%
grade 6 events	5675	117578	6411	82883	21848
	1%	24%	1%	23%	5%
grade 7 events	276668	186995	278899	164182	296300
	87%	38%	85%	46%	75%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-35678	ACIS-35678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	347.925116	347.9432772729615	Subarray requested	NONE	NONE
Pointing Dec	-21.750601	-21.72915943793072	Alternating exposures requested	N	N
Pointing Roll	21.025923	21.18929282924239	Primary exposure time	0.000000	3.1
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	115905602.184000	115904406.75064			
Observation start date	2001-09-03T11:58:58	2001-09-03T11:40:06			
Observation end time	115965302.184000	115966079.46558			
Observation end date	2001-09-04T04:33:58	2001-09-04T04:47:59			
Read mode	TIMED	TIMED			

2.3 Aspect



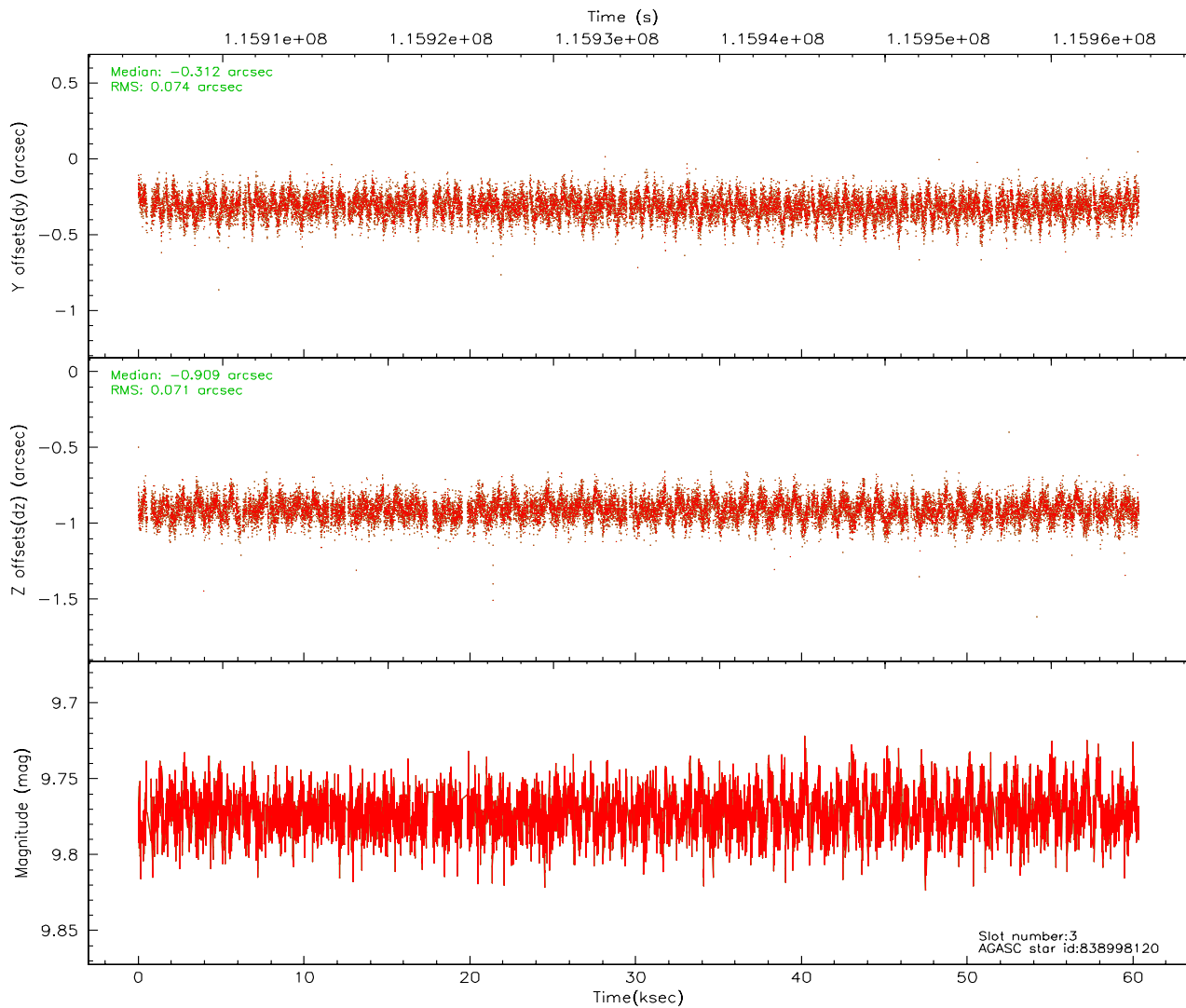
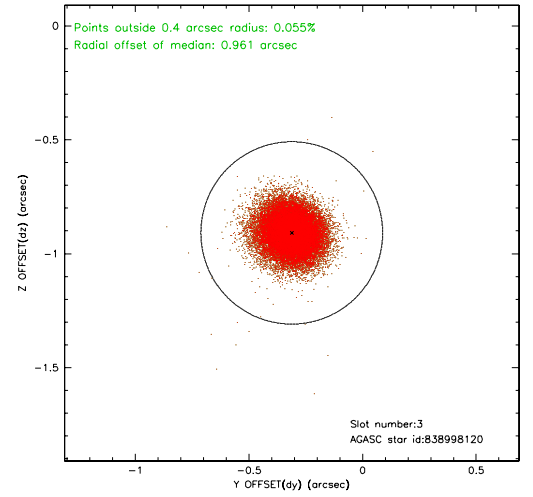
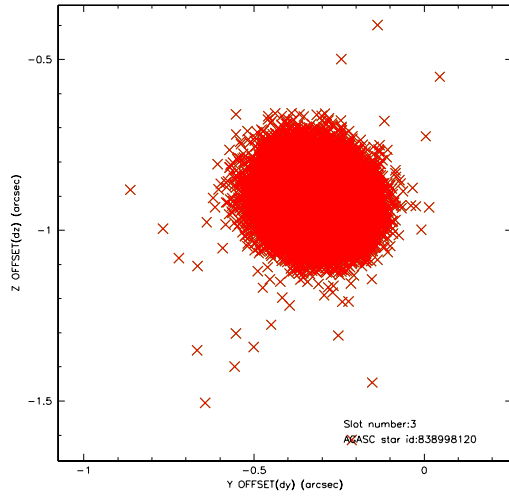


Slot Statistics

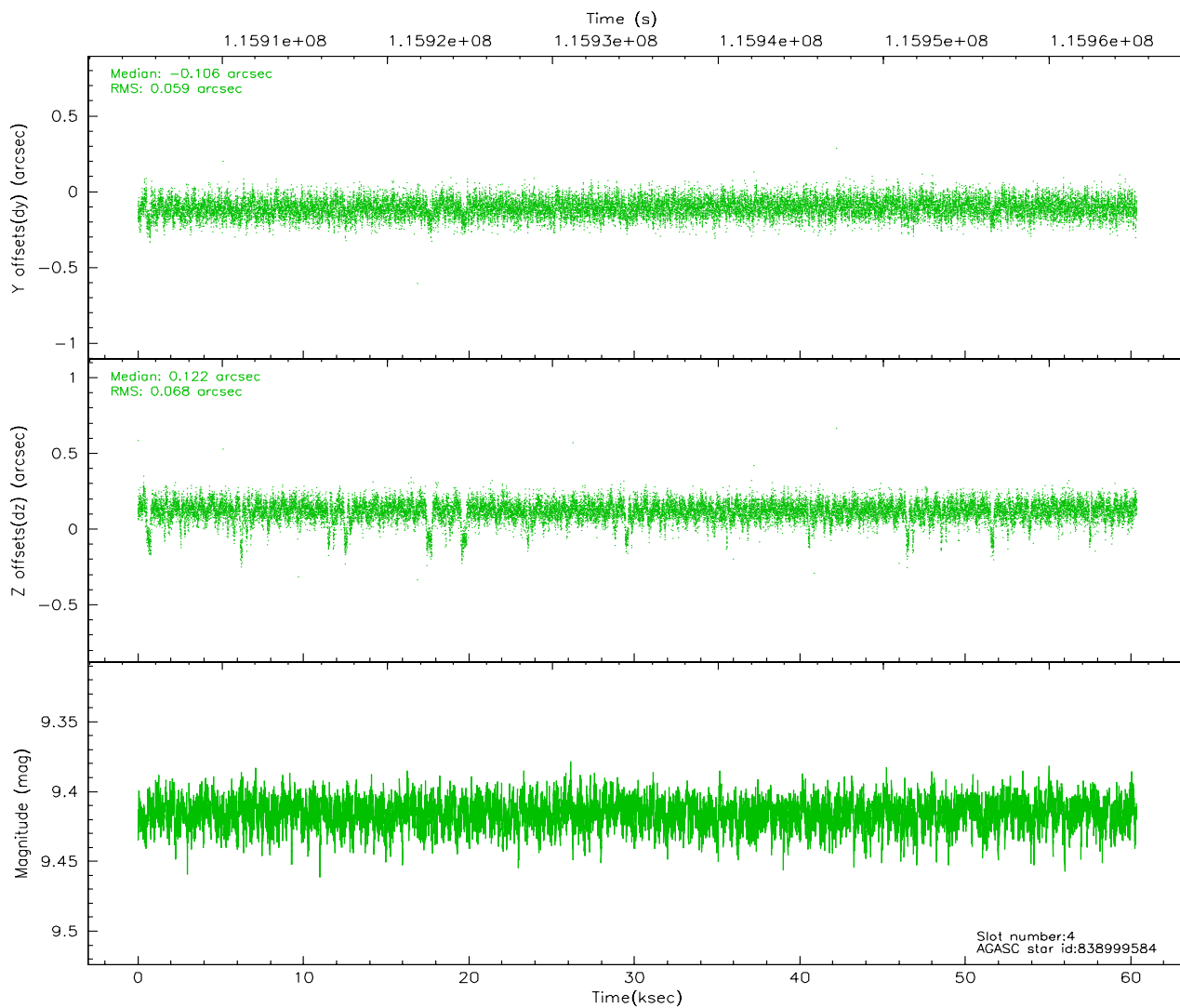
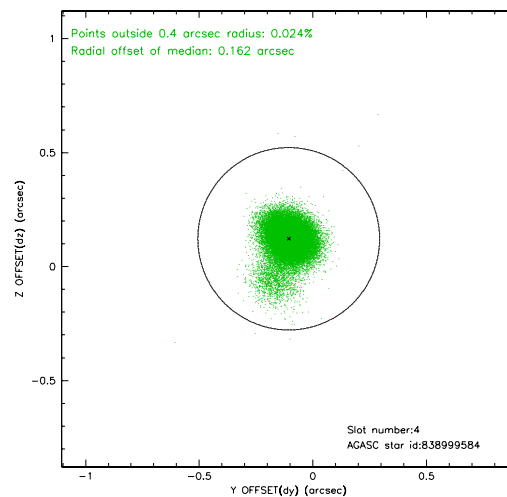
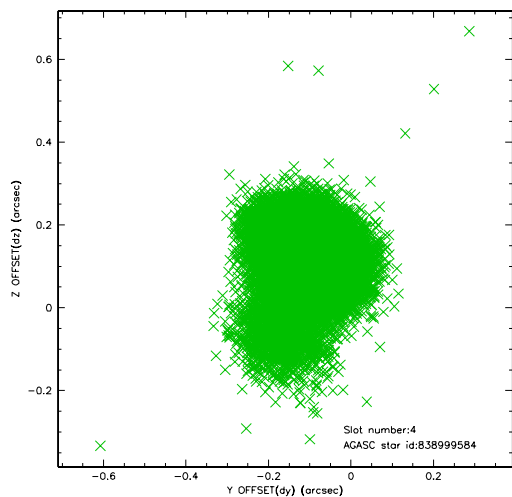
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	14725	-0.034	0.022	0.007	0.017	0.000000	0.000000	-754.45	-1726.61
1	FID	ACIS-S-4	7.20	14723	-0.067	0.010	0.006	0.030	0.000000	0.000000	2158.76	181.99
2	FID	ACIS-S-5	7.24	14723	0.070	-0.023	0.008	0.020	0.000000	0.000000	-1807.30	175.47
3	BAD	838998120	9.77	27308	-0.312	-0.909	0.108	0.177	348.410276	-21.494163	1846.86	277.09
4	GUIDE	838999584	9.42	29433	-0.106	0.122	0.089	0.164	347.735138	-21.602198	-402.12	726.85
5	GUIDE	838995960	10.02	29416	0.006	0.390	0.123	0.213	348.316949	-21.394693	1684.98	723.97
6	GUIDE	838999384	10.35	29425	0.142	-0.013	0.139	0.238	347.288622	-22.010076	-2319.53	-113.70
7	GUIDE	839001560	10.75	29332	0.250	0.363	0.169	0.285	348.398612	-21.961978	1201.97	-1279.08

2.4 Star Slots

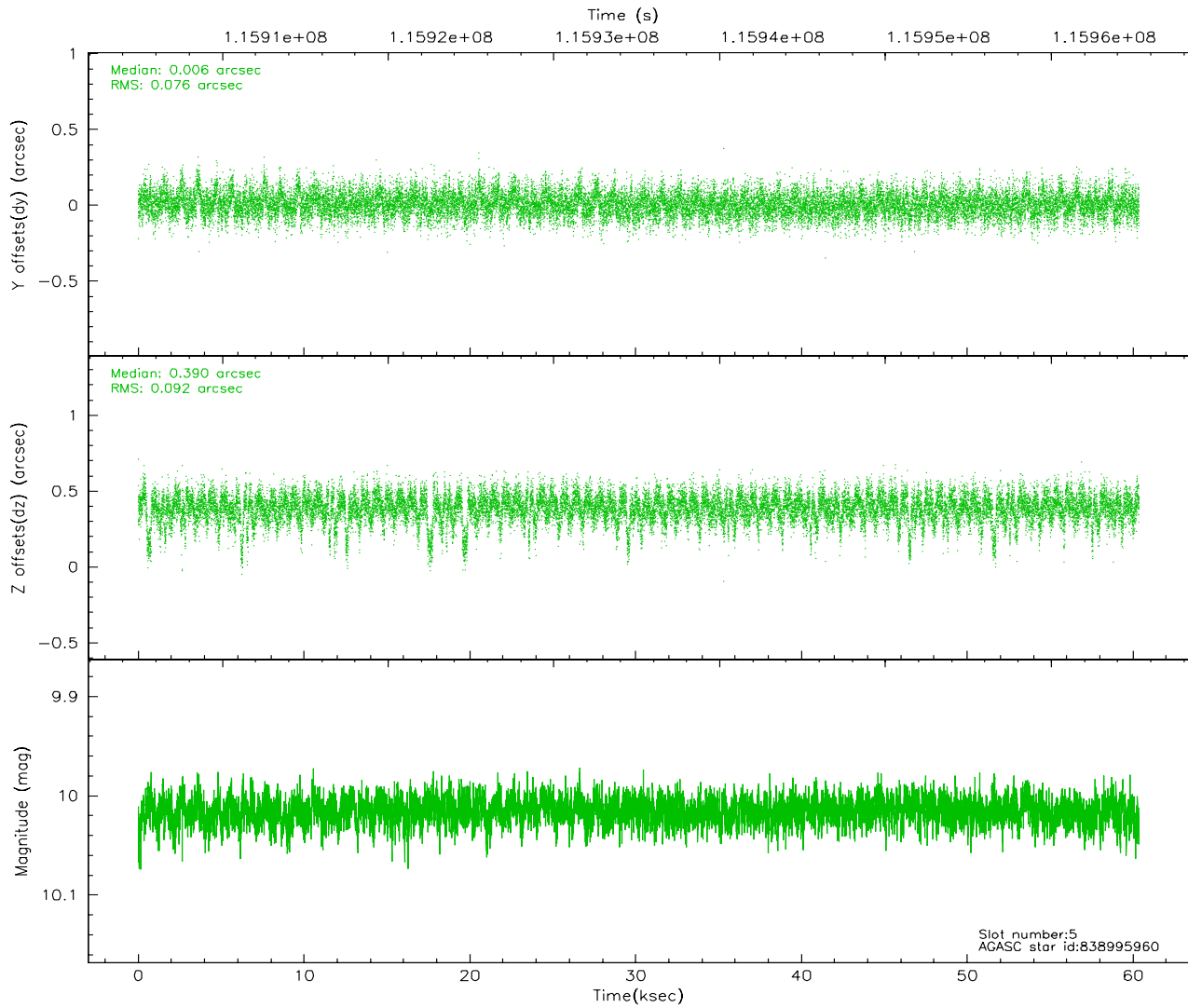
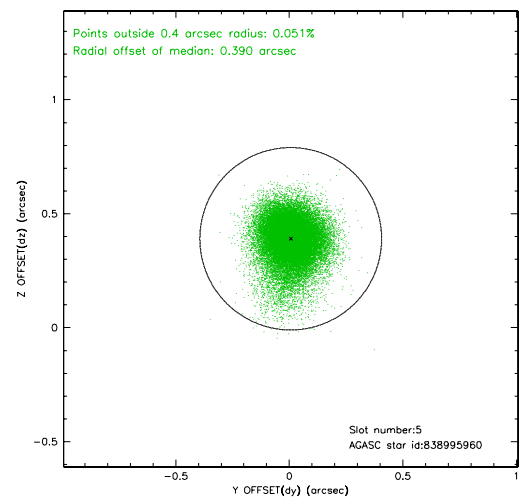
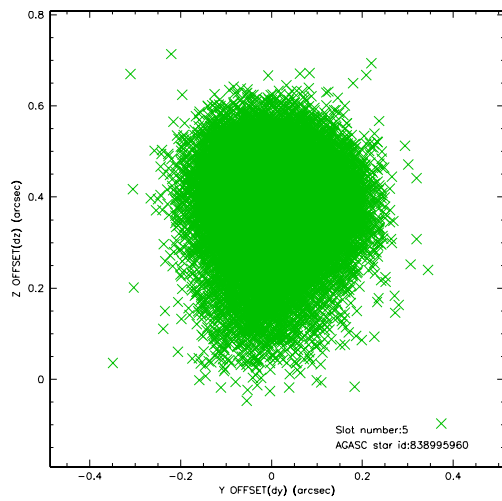
2.4.1 Slot 3



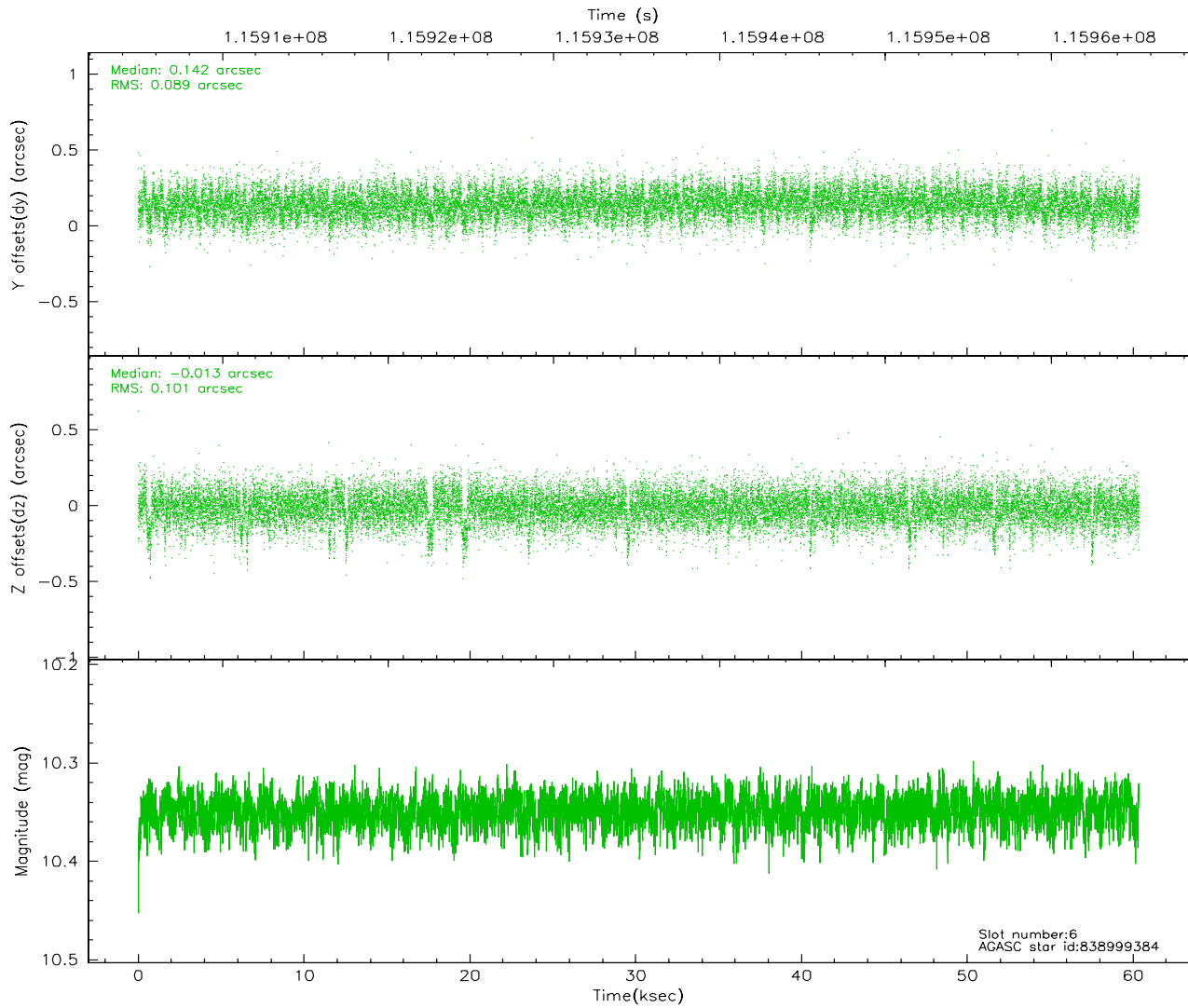
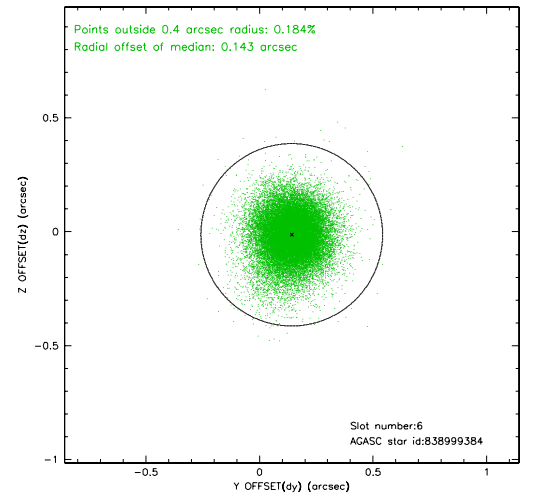
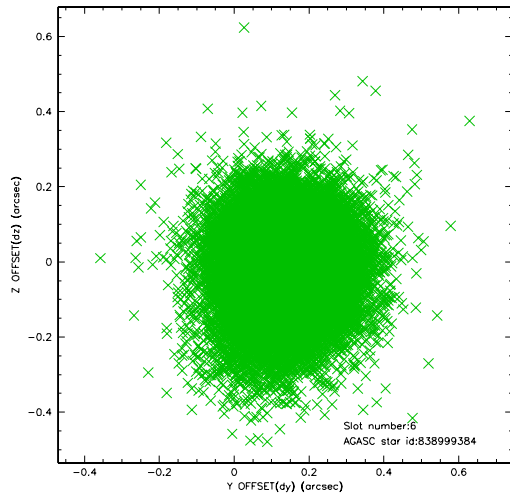
2.4.2 Slot 4



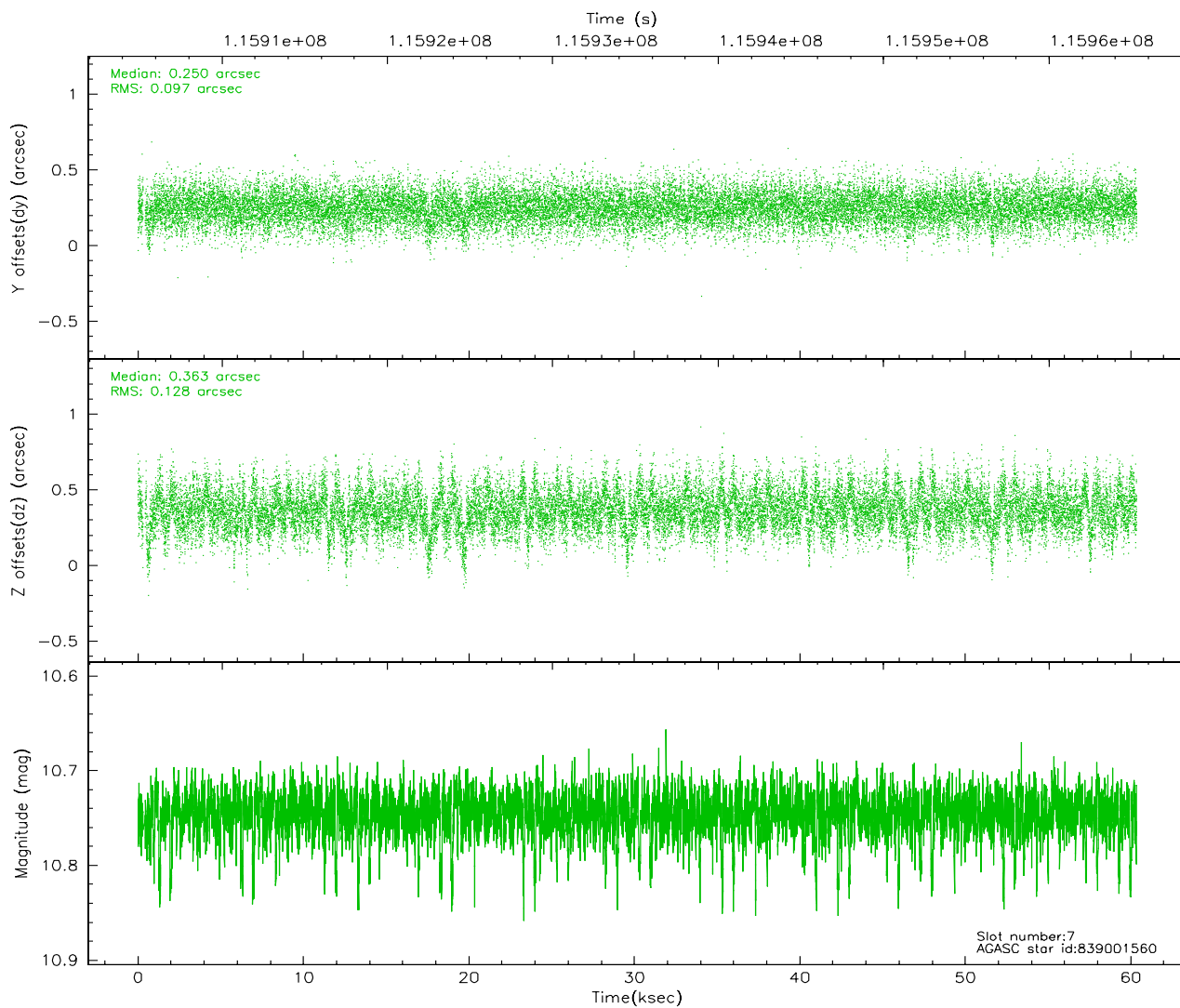
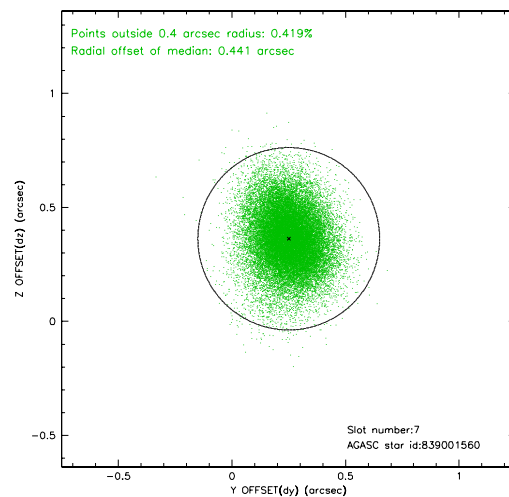
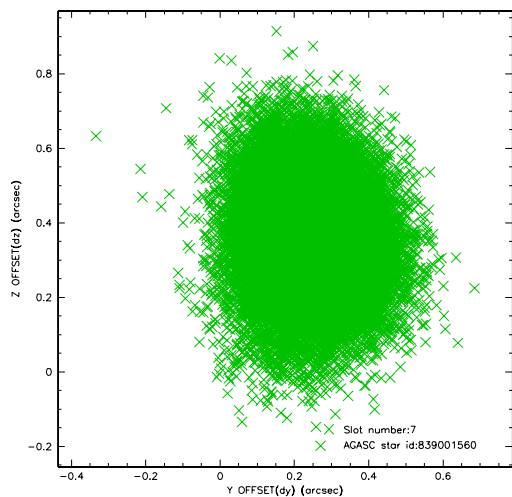
2.4.3 Slot 5



2.4.4 Slot 6

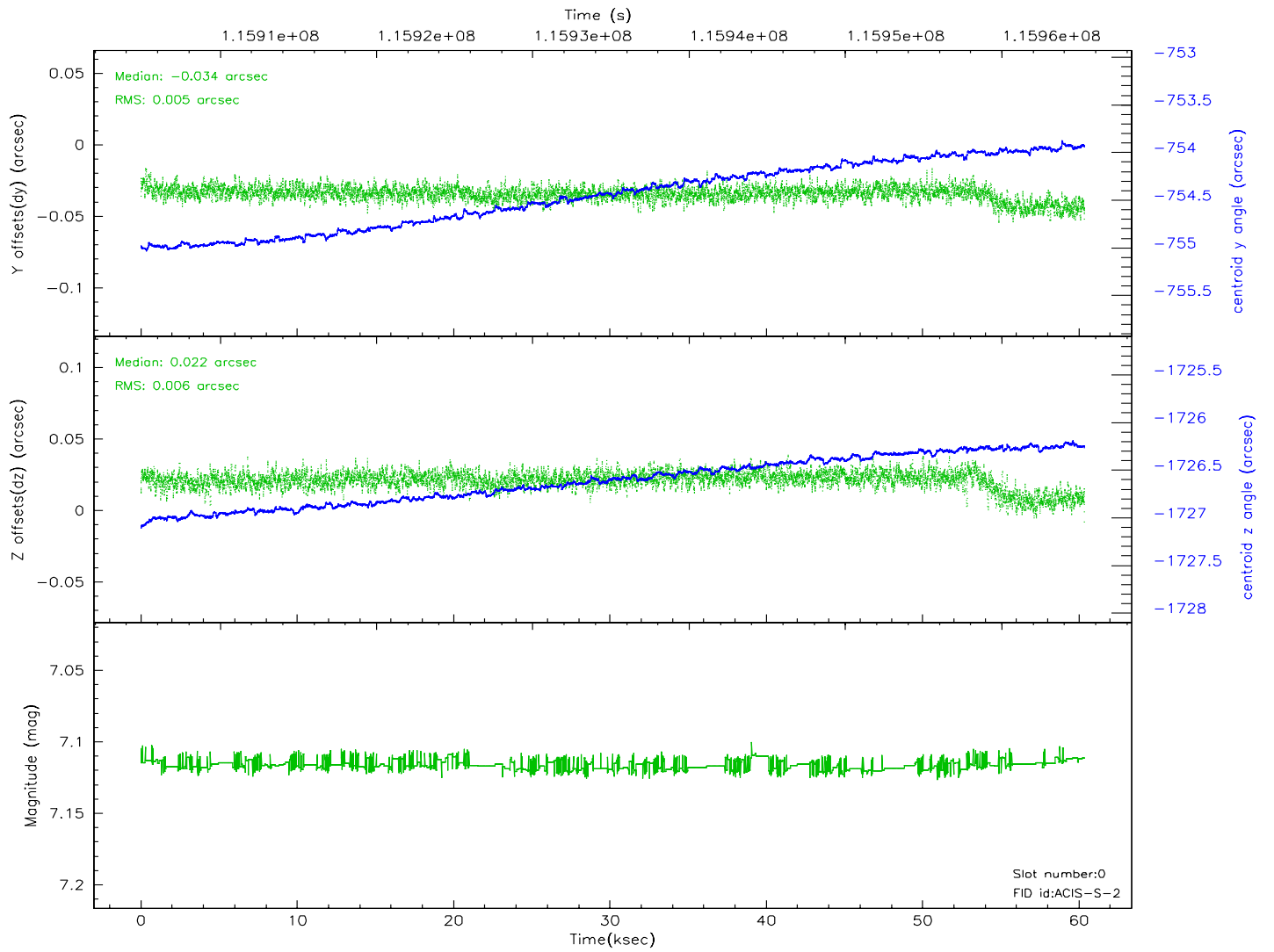
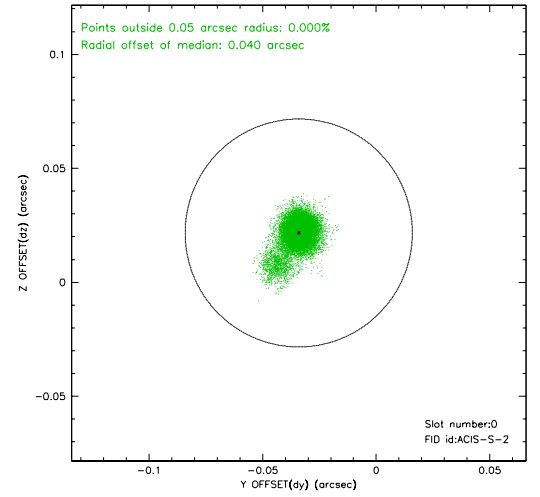
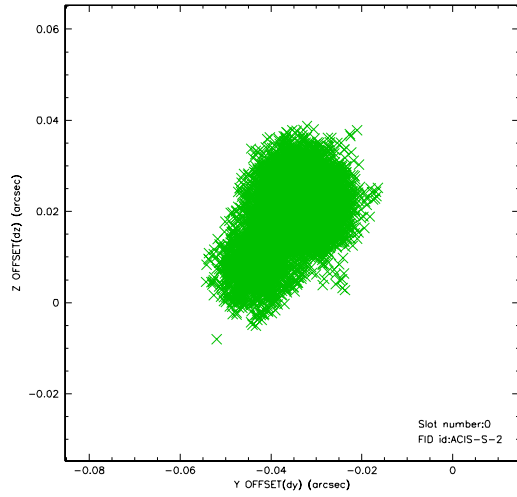


2.4.5 Slot 7

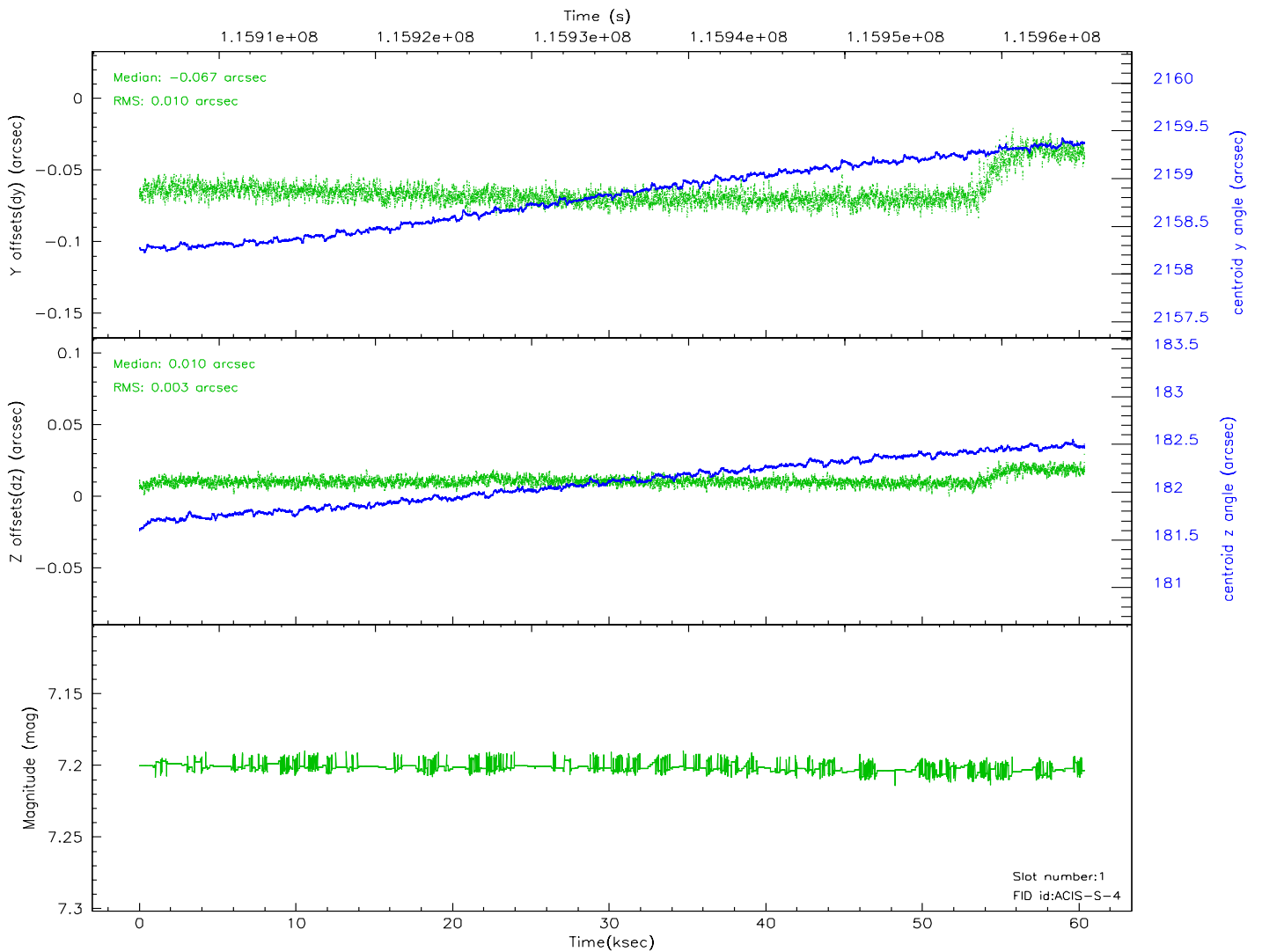
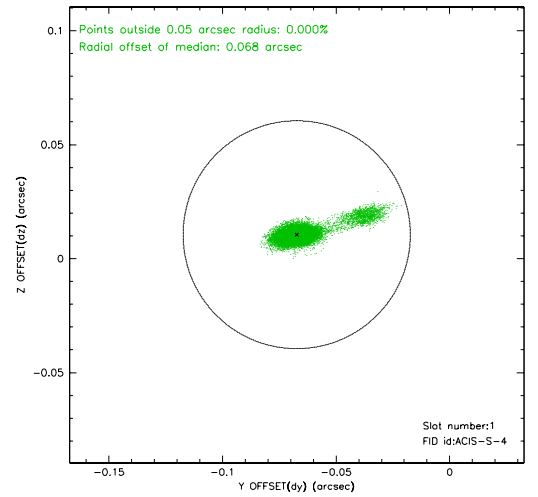
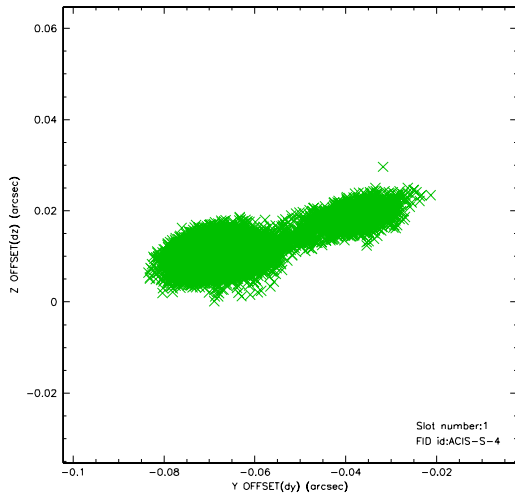


2.5 FID Slots

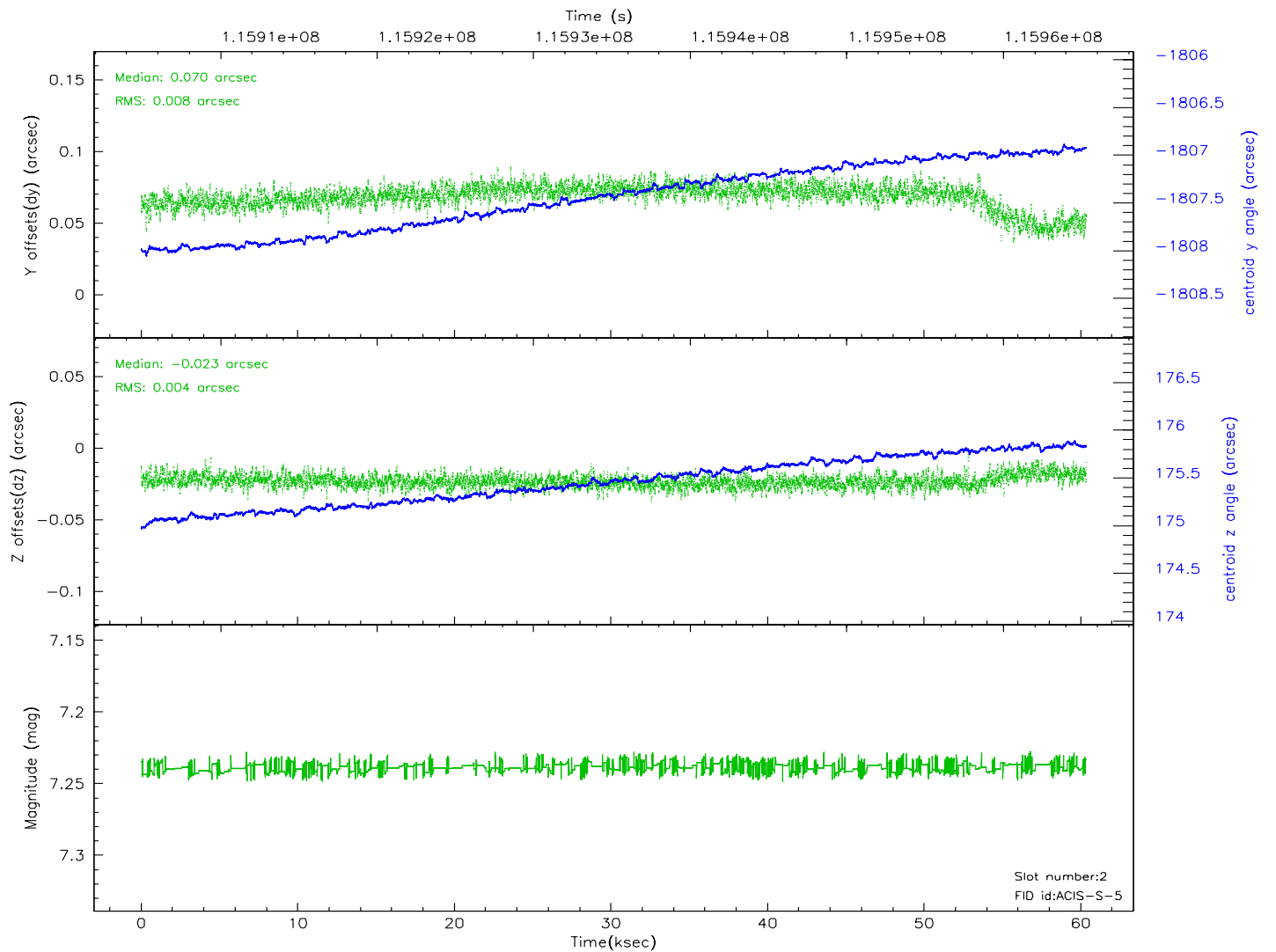
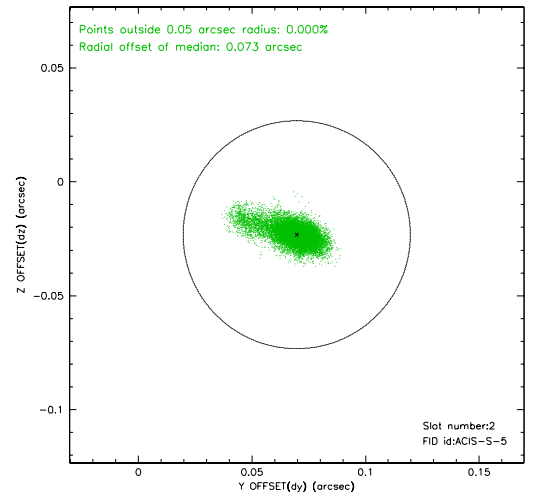
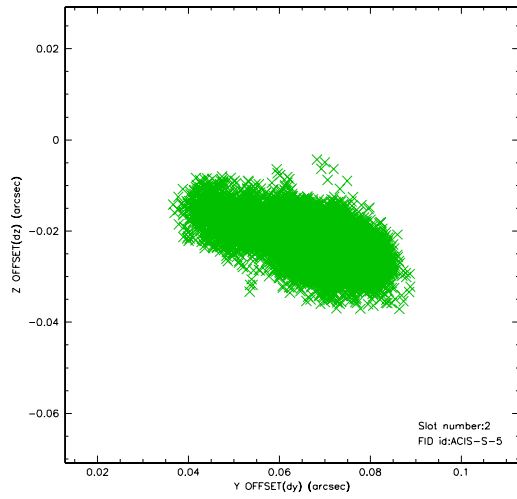
2.5.1 Slot 0



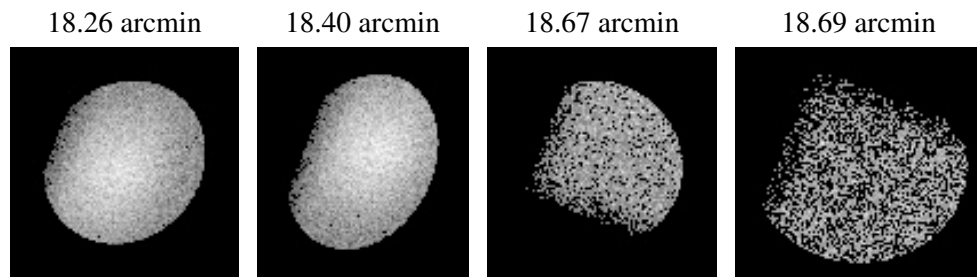
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.01.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	59.78

A.2 Comments

The guide star in slot 3 was removed from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing one guide star or fid light from the solution.