

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4936 - L2 Version 001
Chandra X-Ray Center

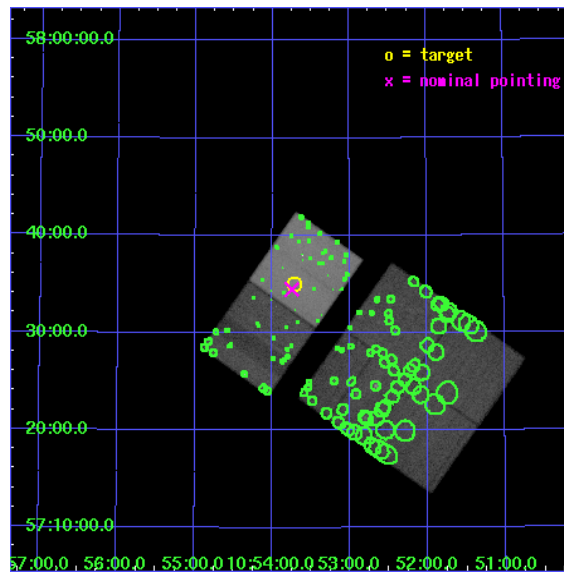
L2 Processing Date : Apr 28 2006

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1 Front

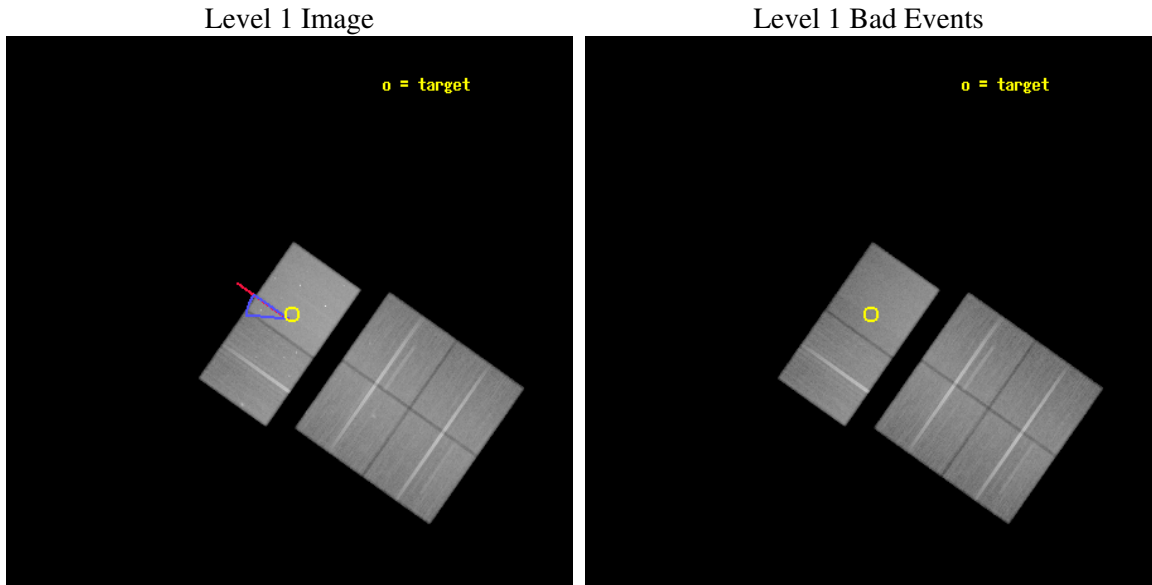
seq_num	800387
obs_id	4936
title	Chandra ACIS-S observation of the high-redshift cluster RX J105343+5735
observer	Dr. Peter Predehl
object	RX J105343+5735
dtcycle	0
cycle	P
ra_targ	163.429167
dec_targ	57.583333
ra_nom	163.43679730653
dec_nom	57.574581662708
roll_nom	305.15018373453
revision	2
ontime	93420.79965198
livetime	92237.849235535
ontime0	93420.79965198
ontime1	93420.79965198
ontime2	93420.79965198
ontime3	93420.79965198
ontime6	93420.79965198
ontime7	93420.79965198
l2events	772367



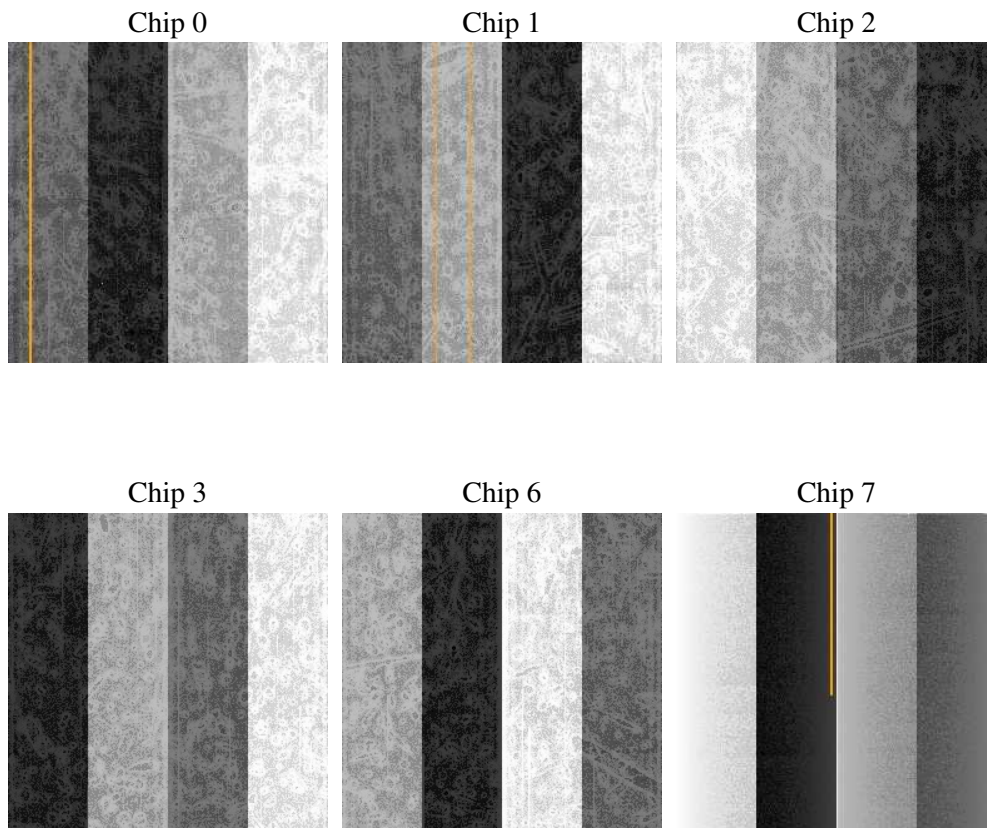
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldsver	3.2.1
date	2006-04-28T08:23:32
revision	2

sched_exp_time	93269.000000
ontime	93843.133860499
ontime0	93843.133860499
ontime1	93843.133860499
ontime2	93843.133860499
ontime3	93843.133860499
ontime6	93843.133860499
ontime7	93843.133860499
l1events	4070226

2.1.4 Events

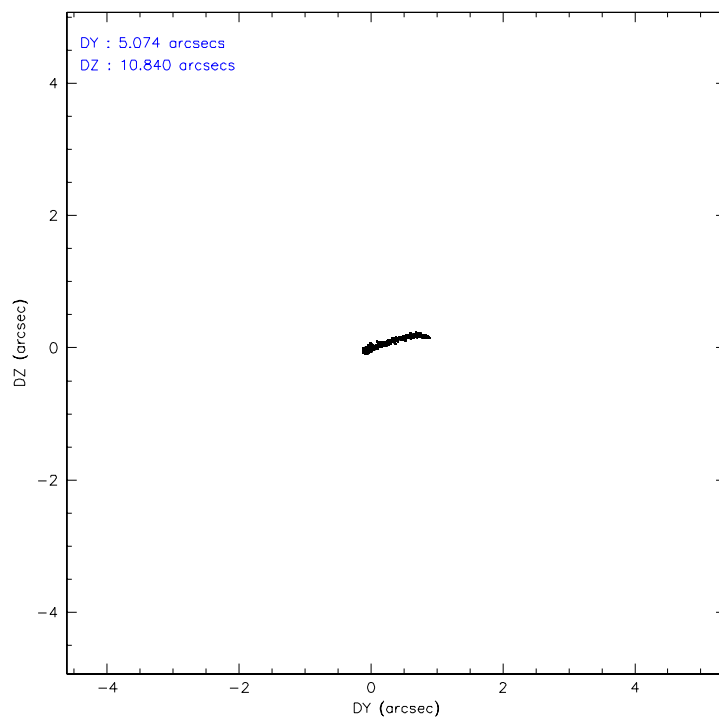
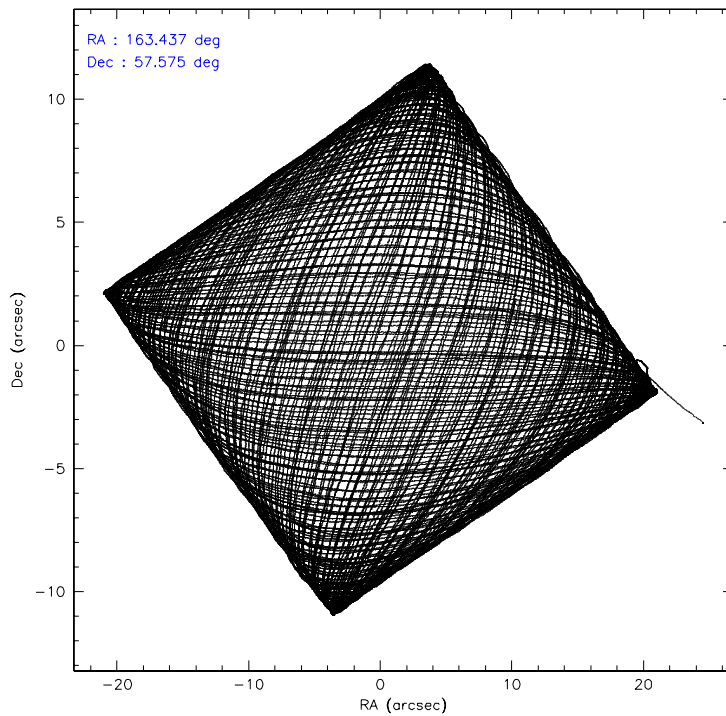
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	616903	594008	652916	635878	677892	892629
rejected events	522458	497614	557826	543065	577051	530981
rejected %	84%	83%	85%	85%	85%	59%

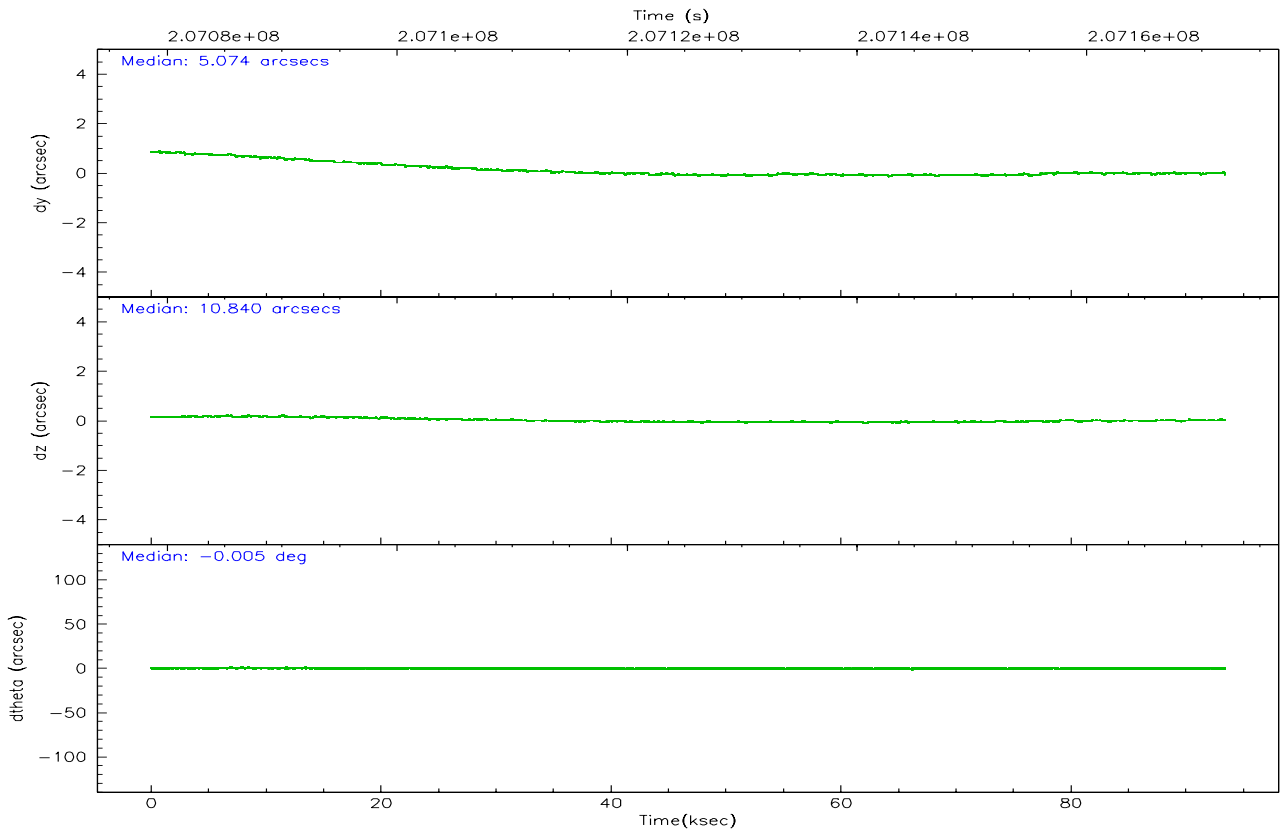
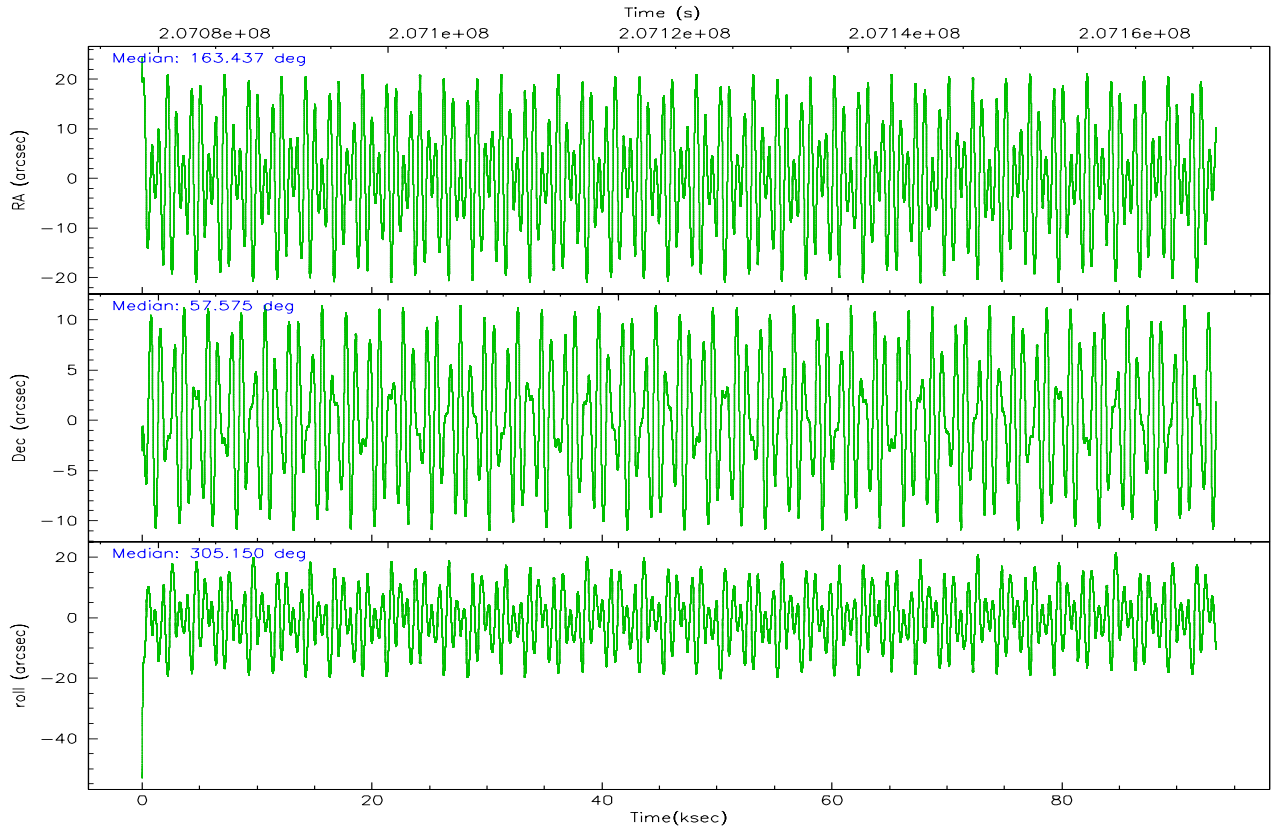
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	41590	38978	45492	41859	44100	23999
	6%	6%	6%	6%	6%	2%
grade 1 events	428	309	459	421	377	531
	0%	0%	0%	0%	0%	0%
grade 2 events	21688	23458	19468	19829	22881	89843
	3%	3%	2%	3%	3%	10%
grade 3 events	7751	8138	7429	7664	7870	18679
	1%	1%	1%	1%	1%	2%
grade 4 events	7202	8202	7728	7771	7900	18308
	1%	1%	1%	1%	1%	2%
grade 5 events	26612	26261	24340	28253	29773	56832
	4%	4%	3%	4%	4%	6%
grade 6 events	16672	18106	15404	16136	18577	212339
	2%	3%	2%	2%	2%	23%
grade 7 events	494960	470556	532596	513945	546414	472098
	80%	79%	81%	80%	80%	52%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	163.390426	163.4367973065277	Alternating exposures requested	N	N
Pointing Dec	57.585671	57.5745816627079	Primary exposure time	0.000000	3.2
Pointing Roll	305.032705	305.1501837345311			
Roll angle	290.000000	290.000000			
Roll tolerance	15.000000	15.000000			
Roll constraint allows 180D rotation	N	N			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	207078743.184000	207077480.49243			
Observation start date	2004-07-24T17:51:19	2004-07-24T17:31:20			
Observation end time	207172012.184000	207172664.04666			
Observation end date	2004-07-25T19:45:48	2004-07-25T19:57:44			
Read mode	TIMED	TIMED			

2.3 Aspect



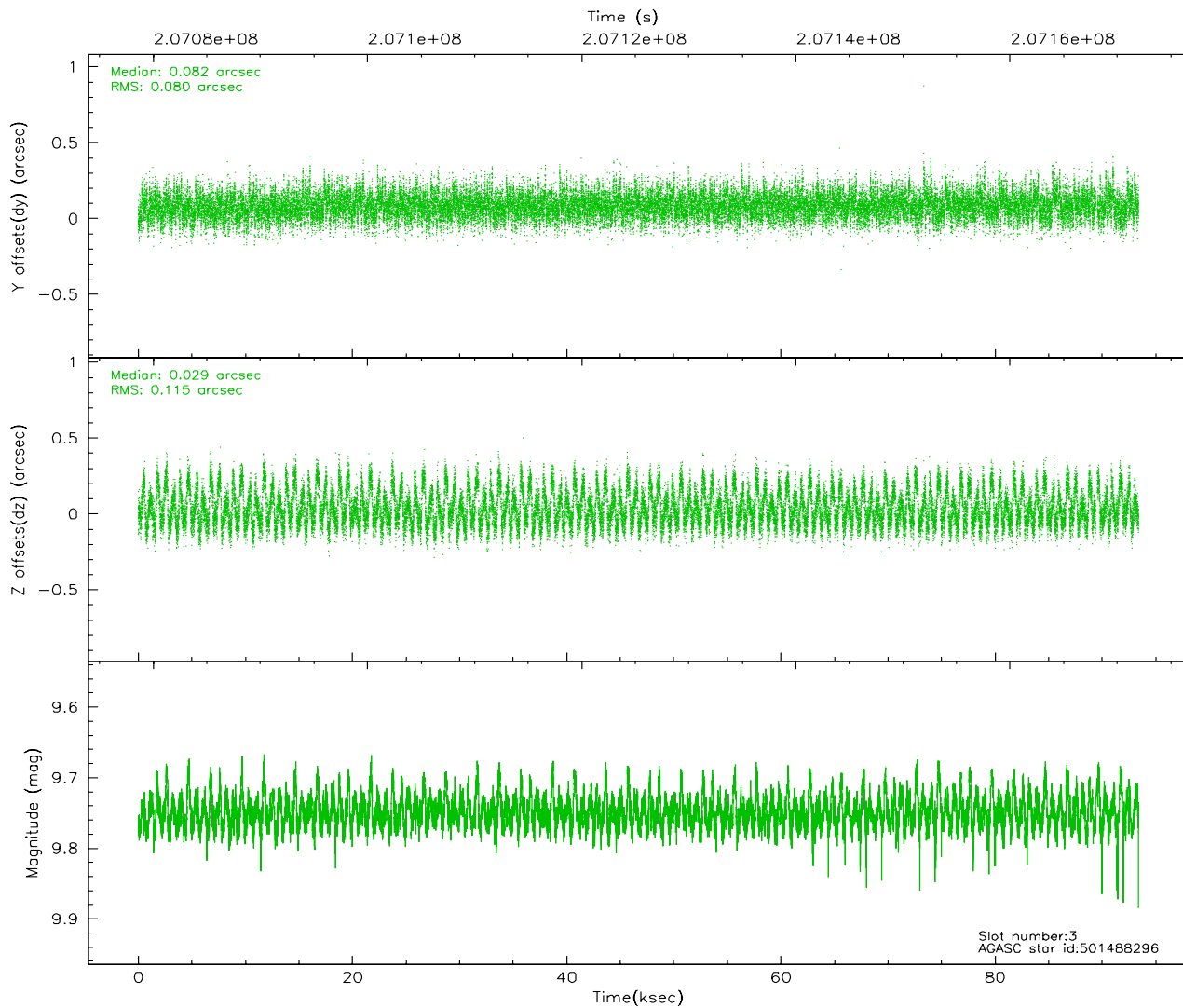
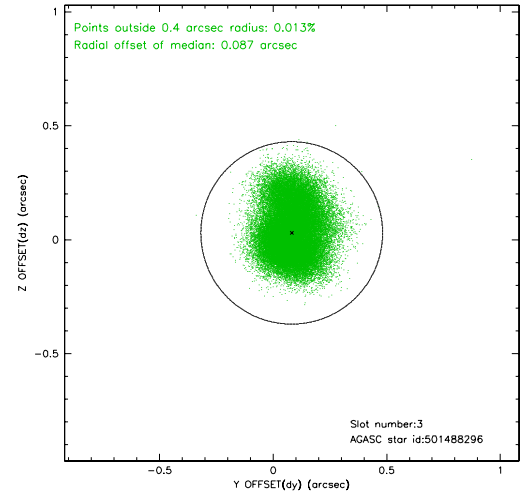
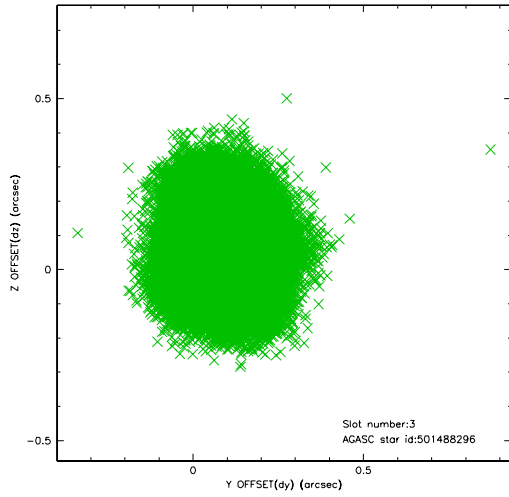


Slot Statistics

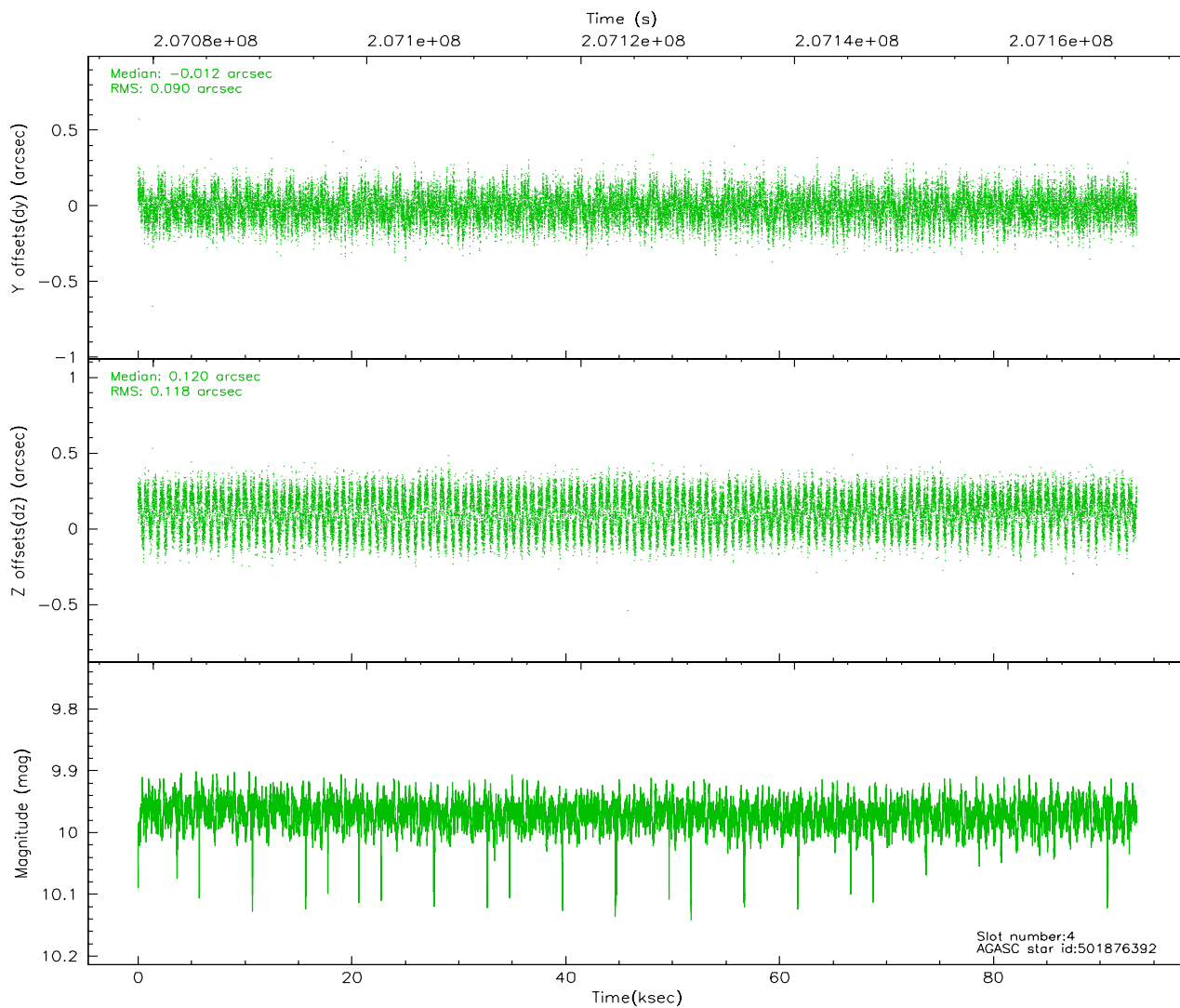
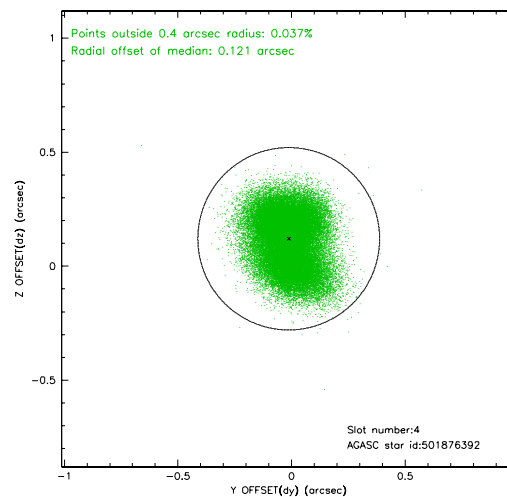
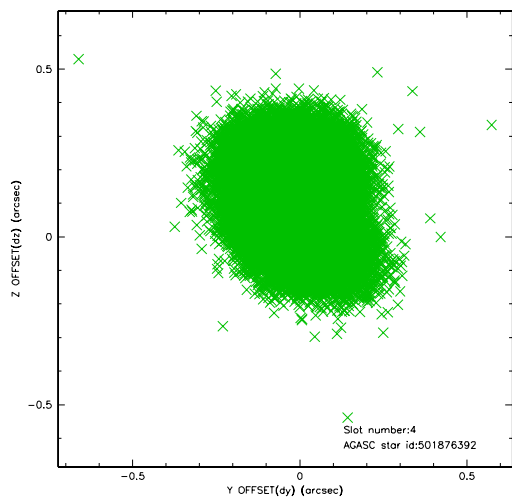
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	22787	-0.054	-0.001	0.008	0.016	0.000000	0.000000	-757.95	-1732.10
1	FID	ACIS-S-4	7.20	22787	0.070	0.027	0.006	0.032	0.000000	0.000000	2155.46	176.53
2	FID	ACIS-S-5	7.23	22785	-0.046	-0.017	0.007	0.026	0.000000	0.000000	-1810.91	170.02
3	GUIDE	501488296	9.75	45451	0.082	0.029	0.151	0.237	164.354320	57.421227	1546.50	1197.75
4	GUIDE	501876392	9.97	45431	-0.012	0.120	0.161	0.249	163.284334	58.052427	-1491.92	799.47
5	GUIDE	501876472	8.99	45540	-0.058	0.008	0.100	0.165	163.621724	57.867447	-577.11	945.14
6	GUIDE	501877152	10.20	45532	0.094	-0.141	0.270	0.404	162.993087	58.162455	-2135.07	575.31
7	GUIDE	501877456	10.40	45531	-0.102	-0.019	0.202	0.338	162.372624	57.715843	-1519.18	-1324.75

2.4 Star Slots

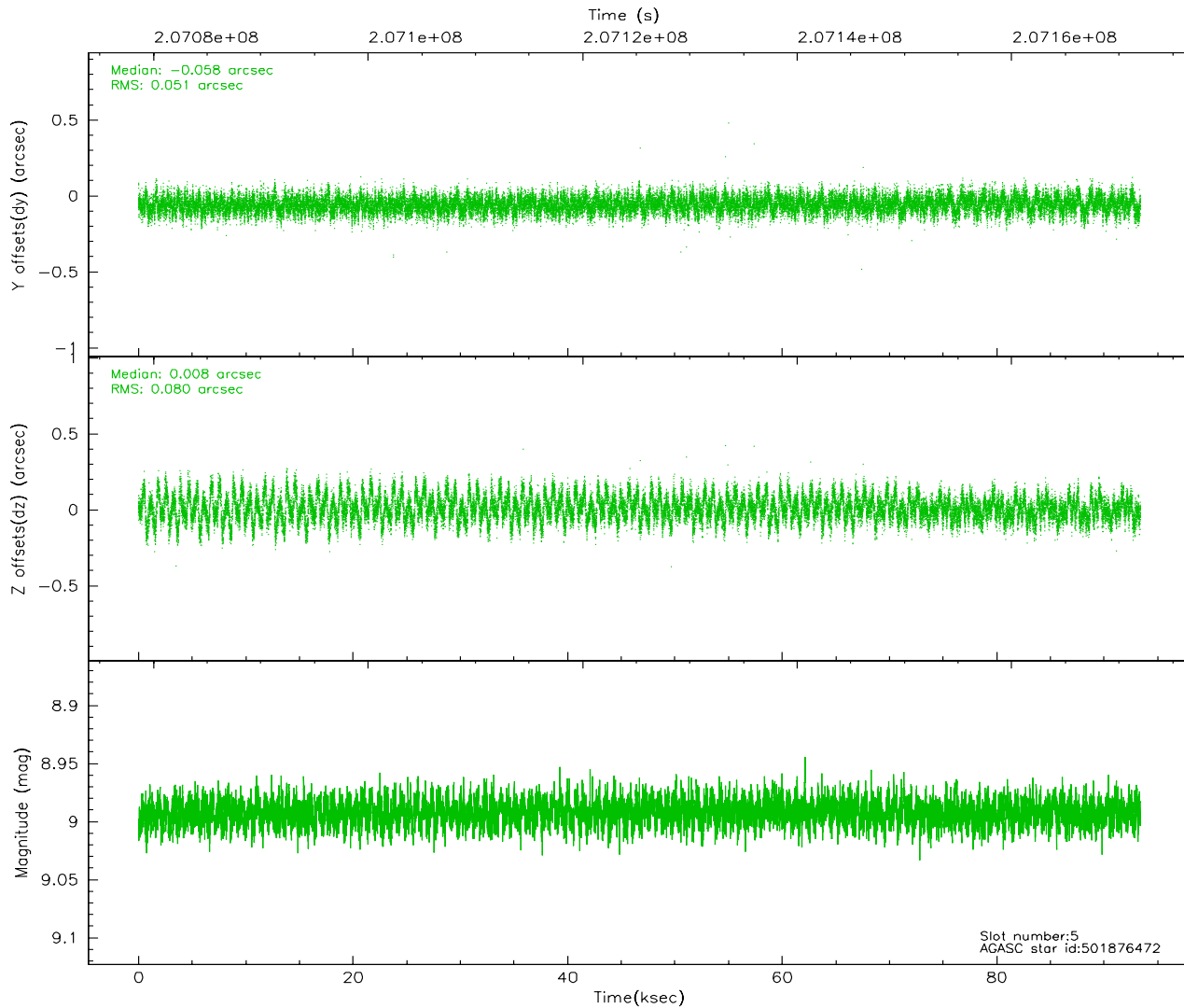
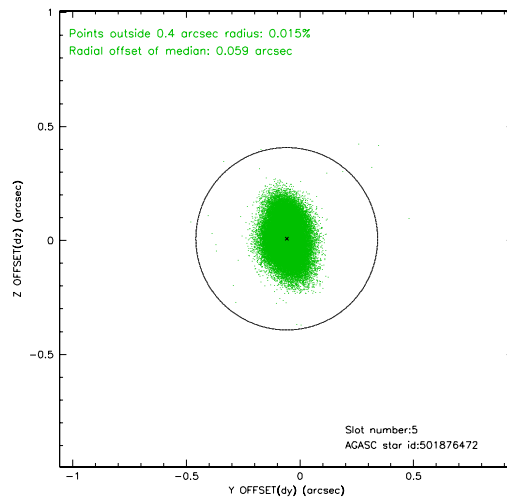
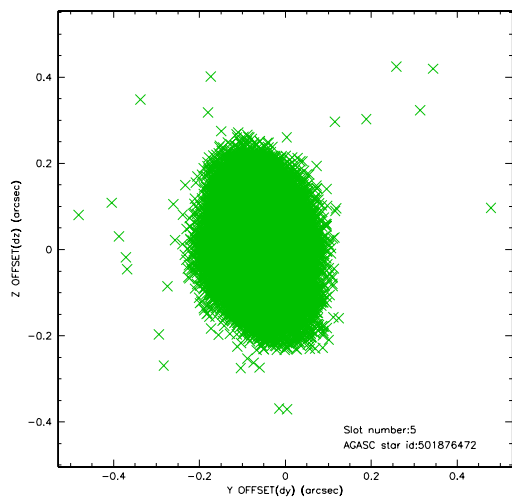
2.4.1 Slot 3



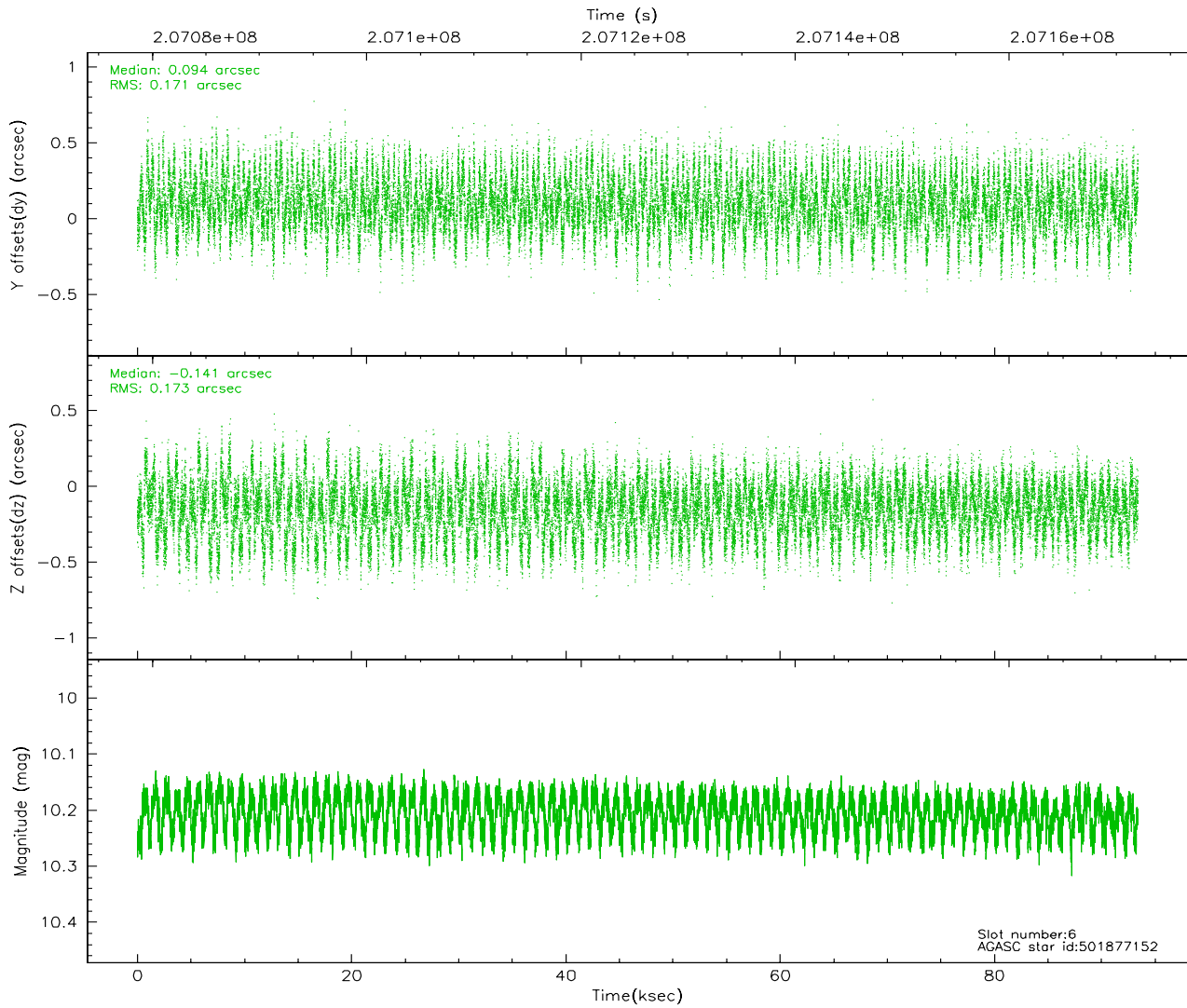
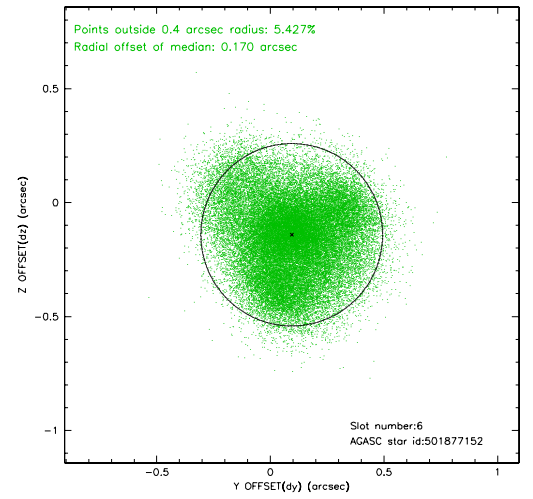
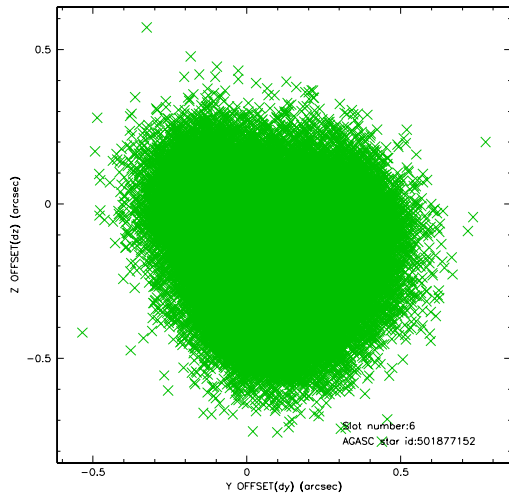
2.4.2 Slot 4



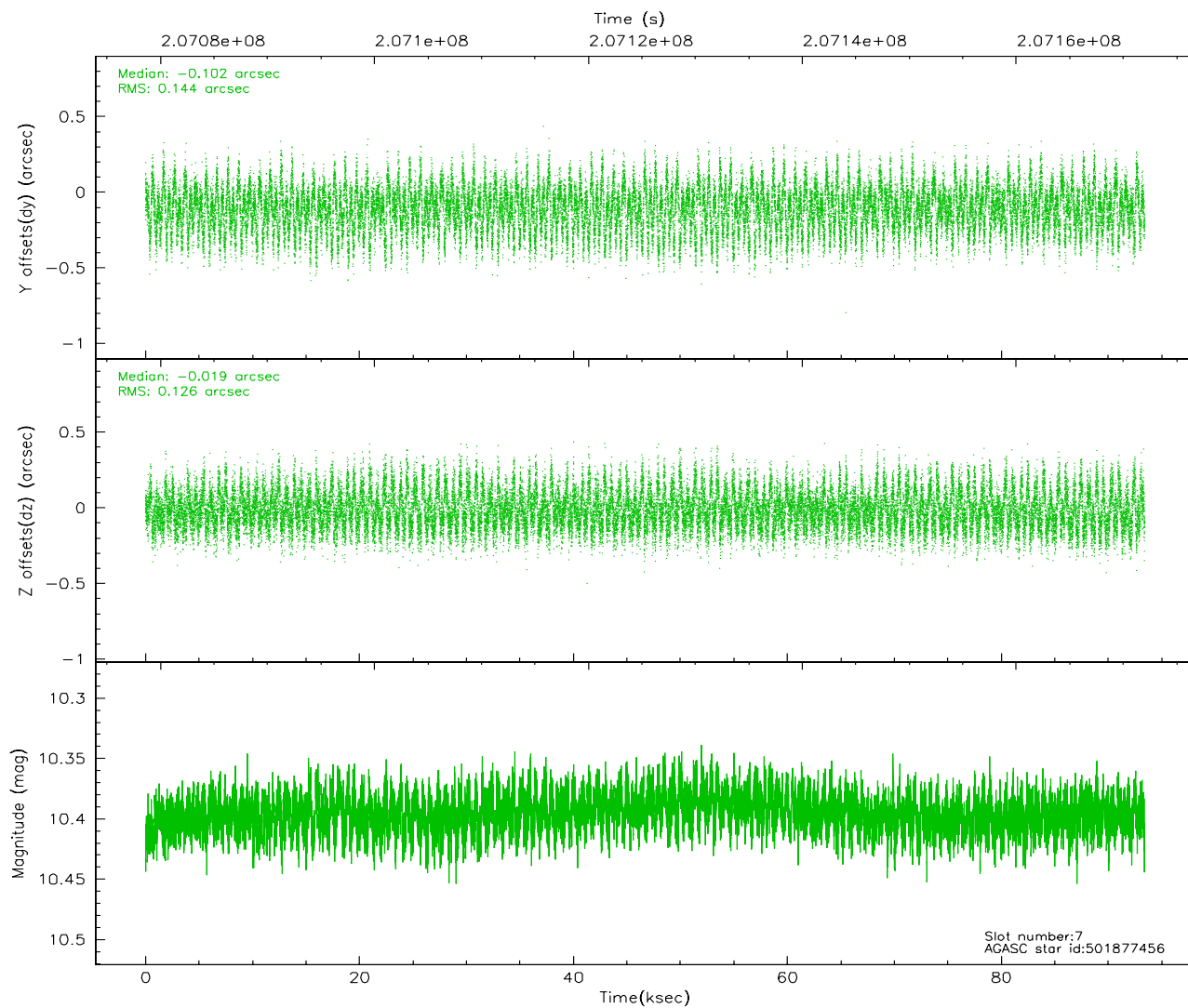
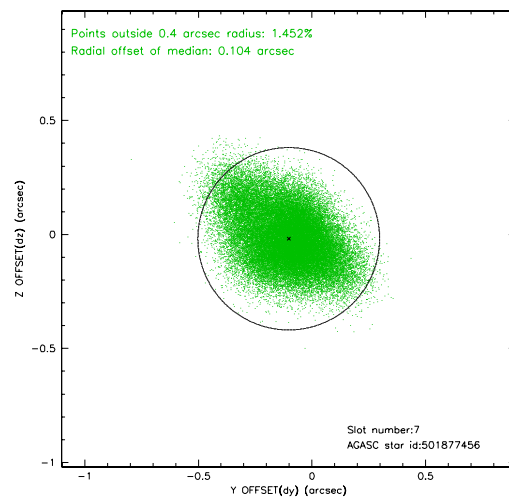
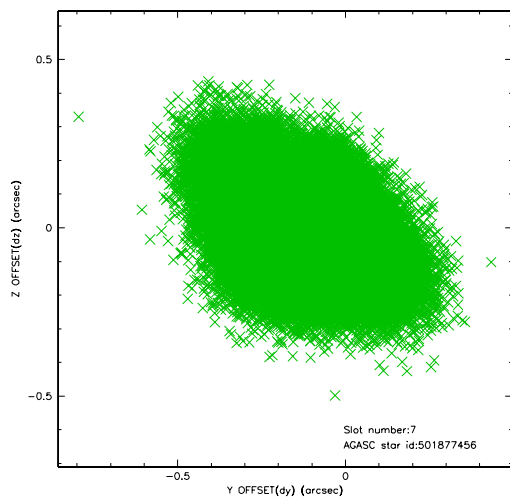
2.4.3 Slot 5



2.4.4 Slot 6

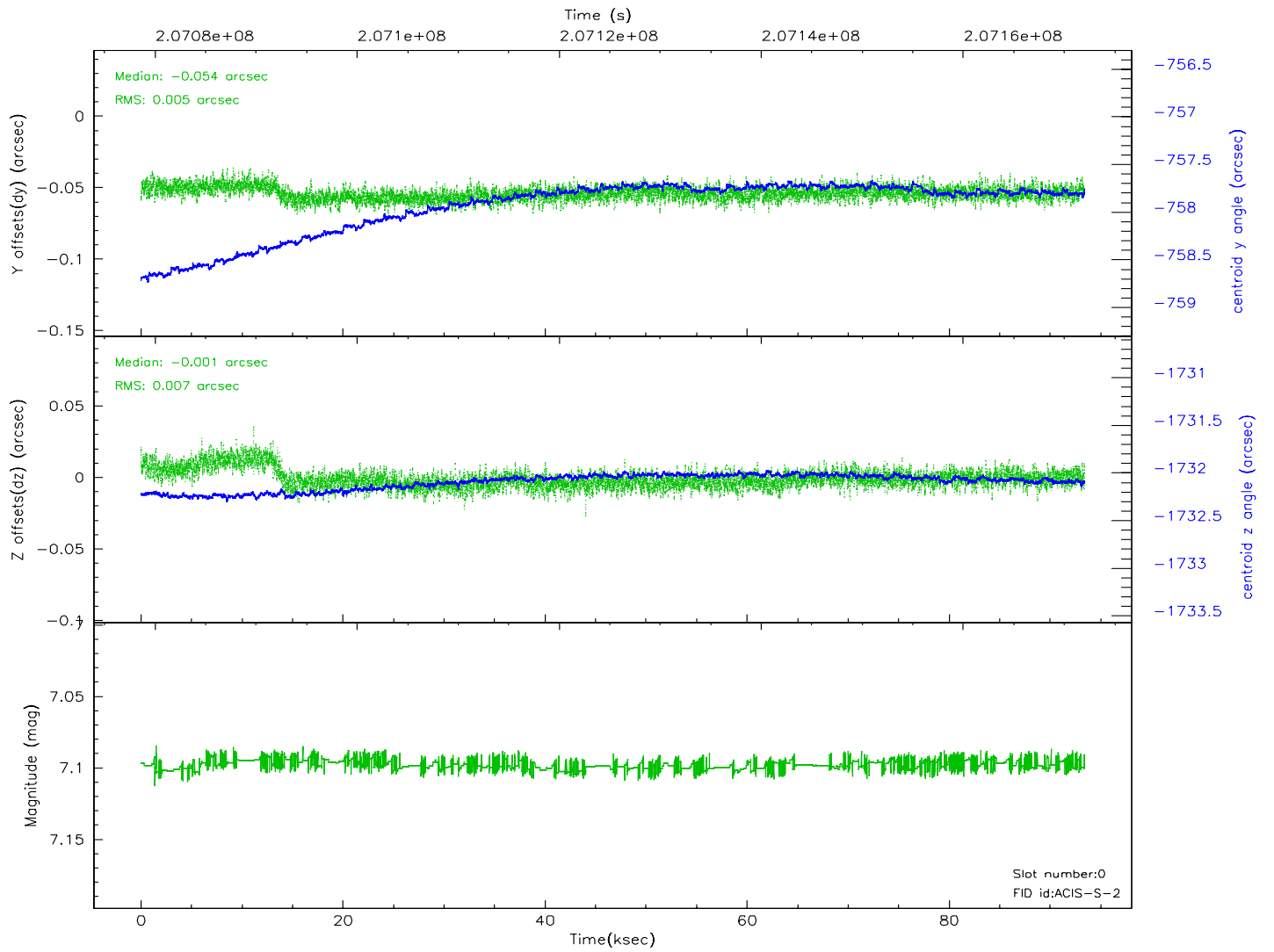
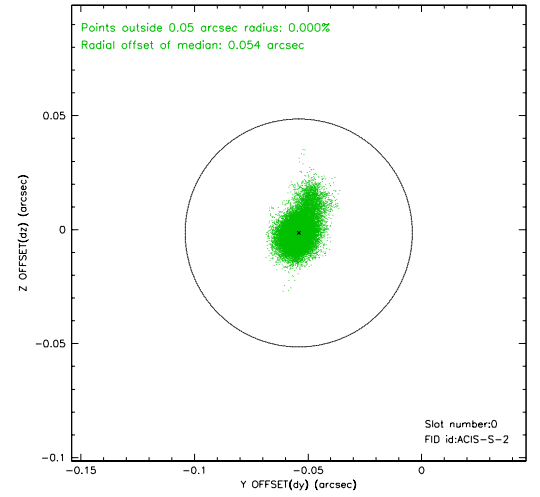
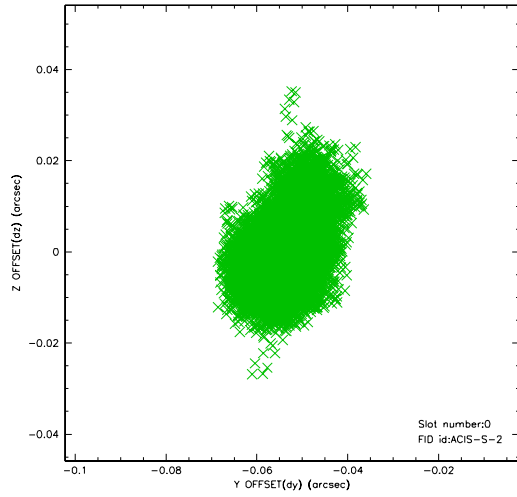


2.4.5 Slot 7

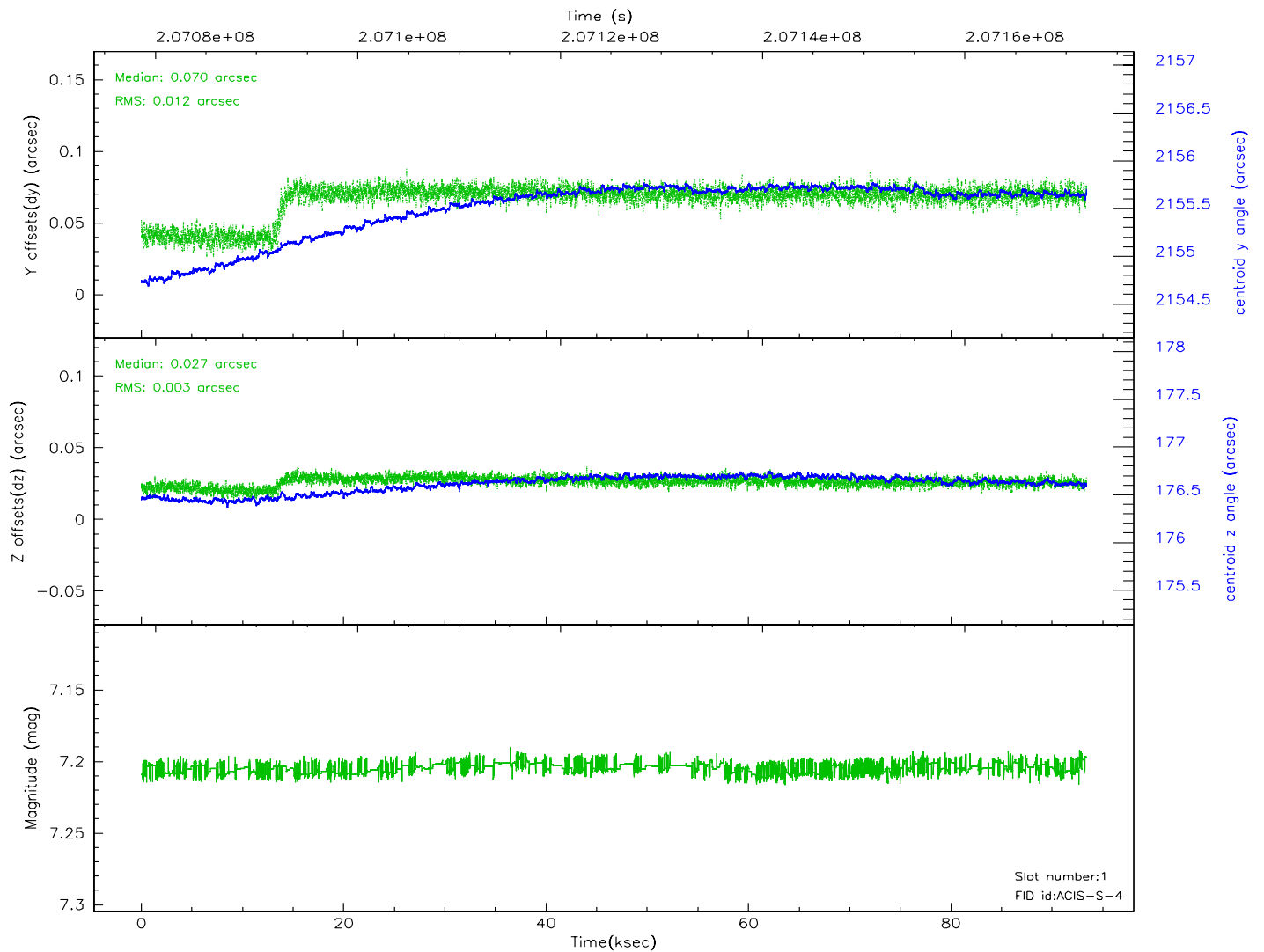
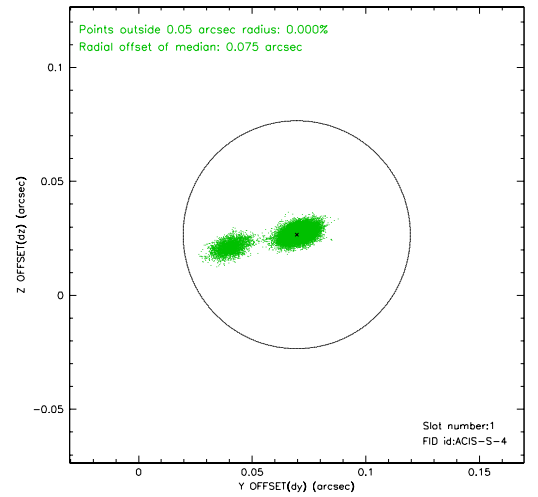
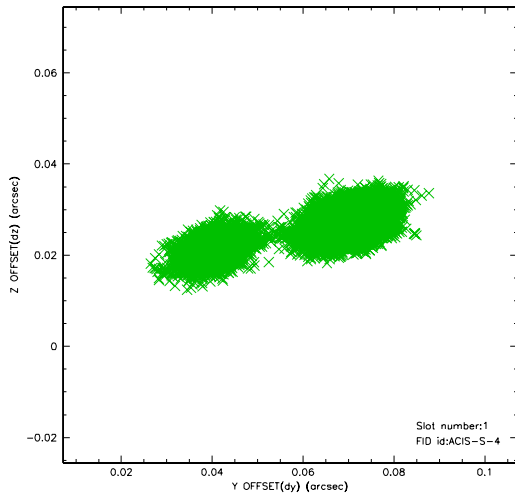


2.5 FID Slots

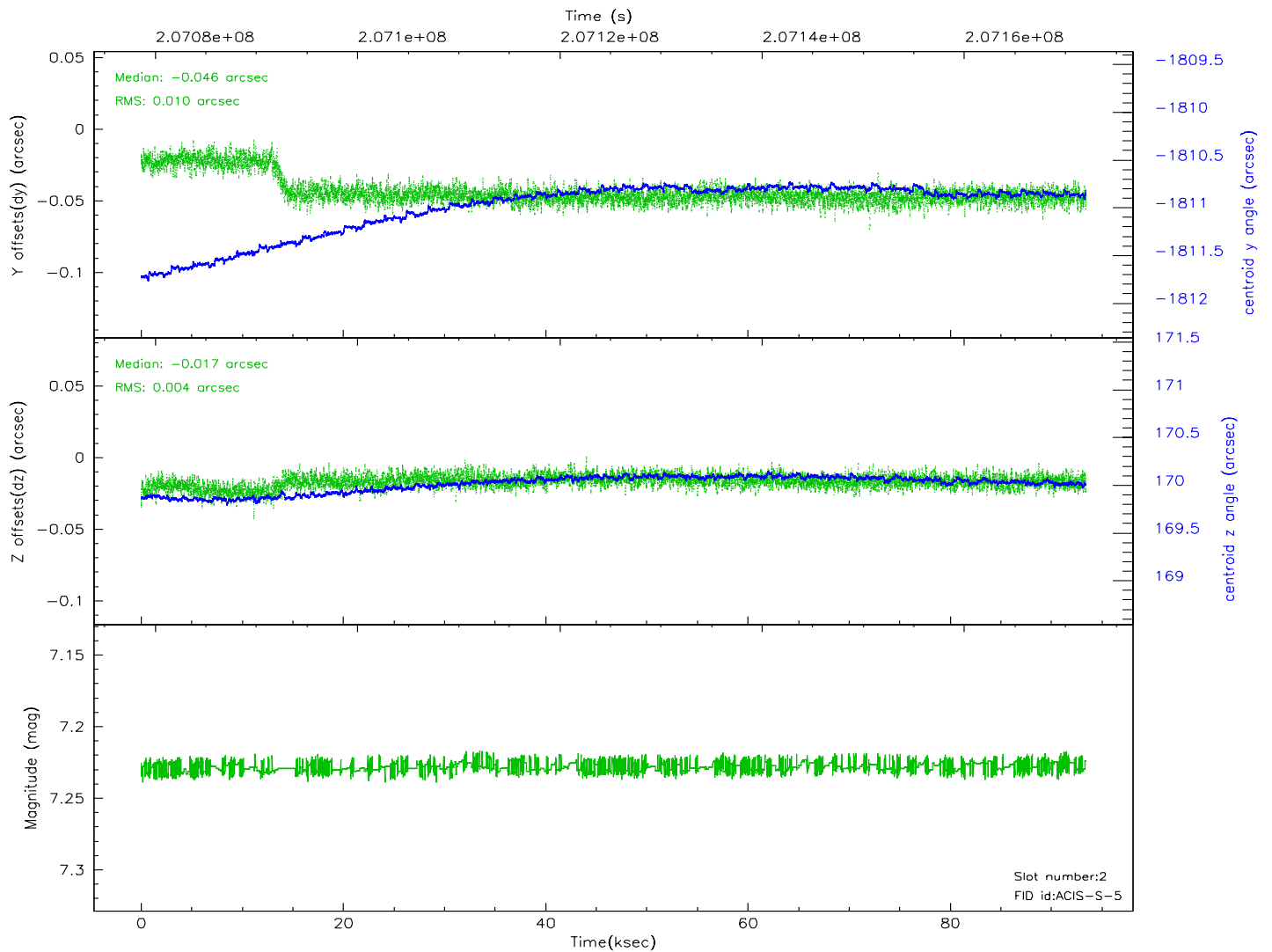
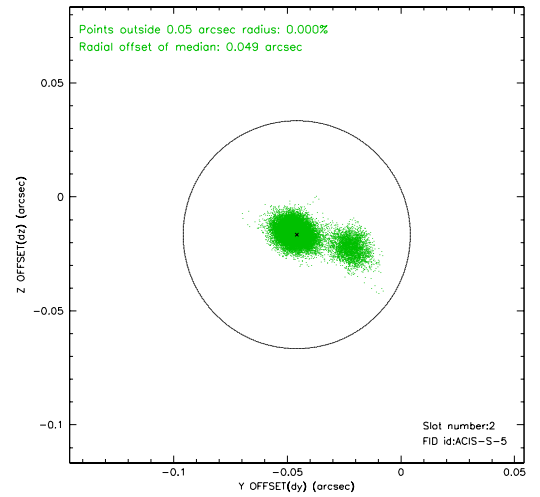
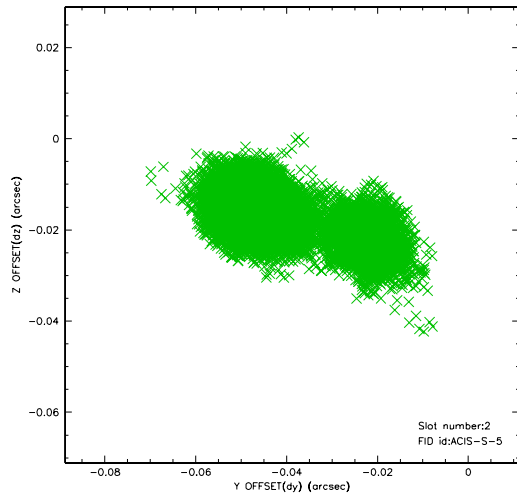
2.5.1 Slot 0



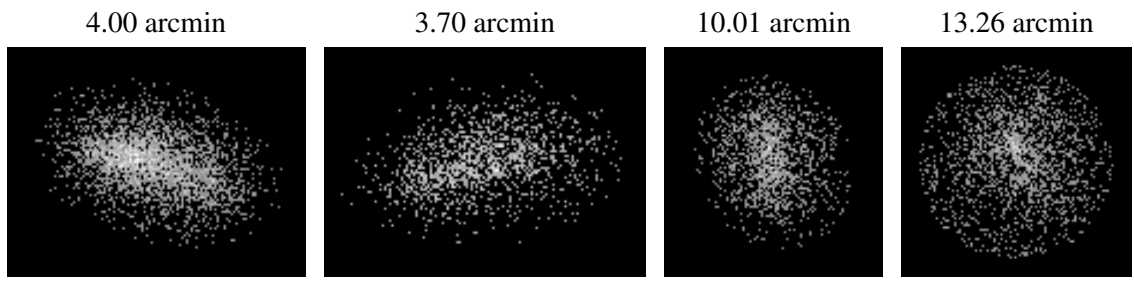
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	93.42

A.2 Comments

Roll constraint not met.