

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 4960 - L2 Version 001
Chandra X-Ray Center

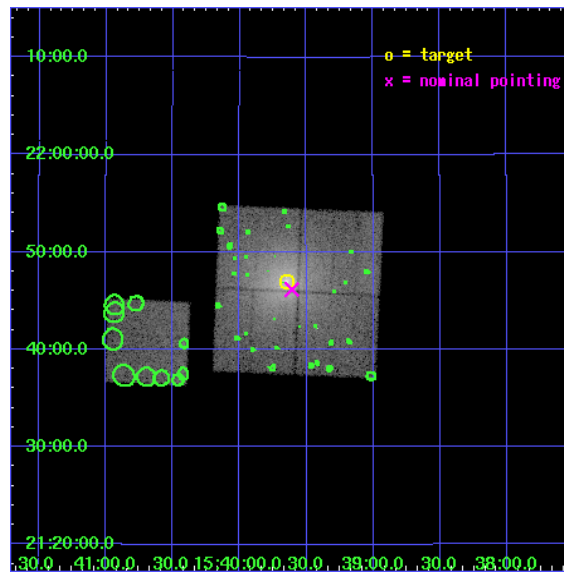
L2 Processing Date : Apr 19 2006

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1 Front

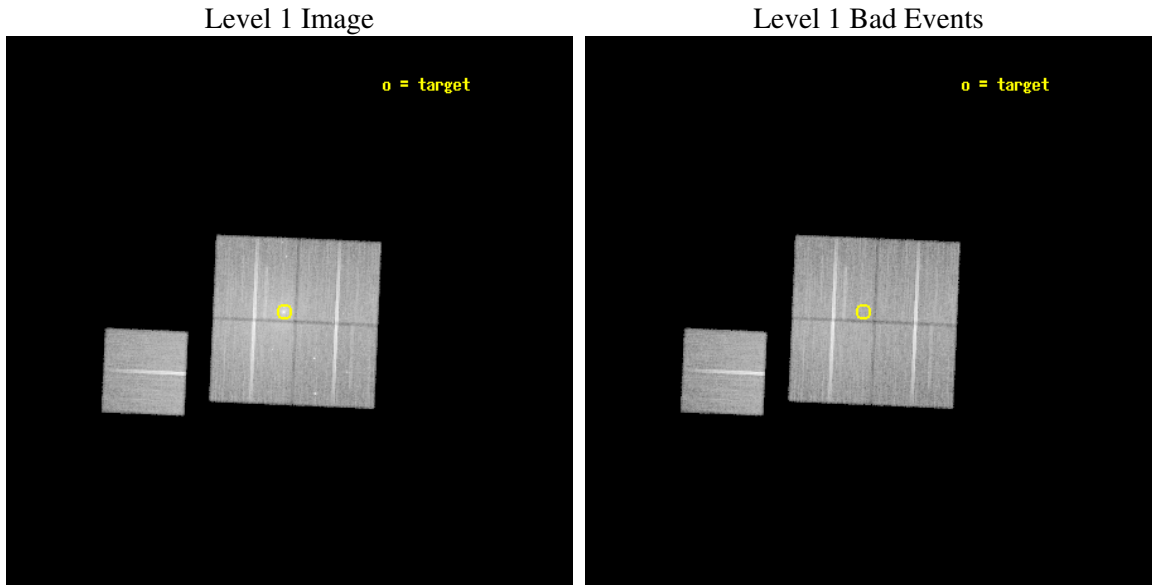
seq_num	800406
obs_id	4960
title	Chandra Observations of Galaxy Clusters with Large cD Galaxy Peculiar Velocities
observer	Dr. Craig Sarazin
object	Abell 2107
dtcycle	0
cycle	P
ra_targ	234.9125
dec_targ	21.782778
ra_nom	234.90215484674
dec_nom	21.769769830908
roll_nom	272.54135874323
revision	2
ontime	36043.618010193
livetime	35572.681605964
ontime0	36040.477089703
ontime1	36043.617970258
ontime2	36043.618020117
ontime3	36043.618010193
ontime6	36043.618000209
l2events	173139



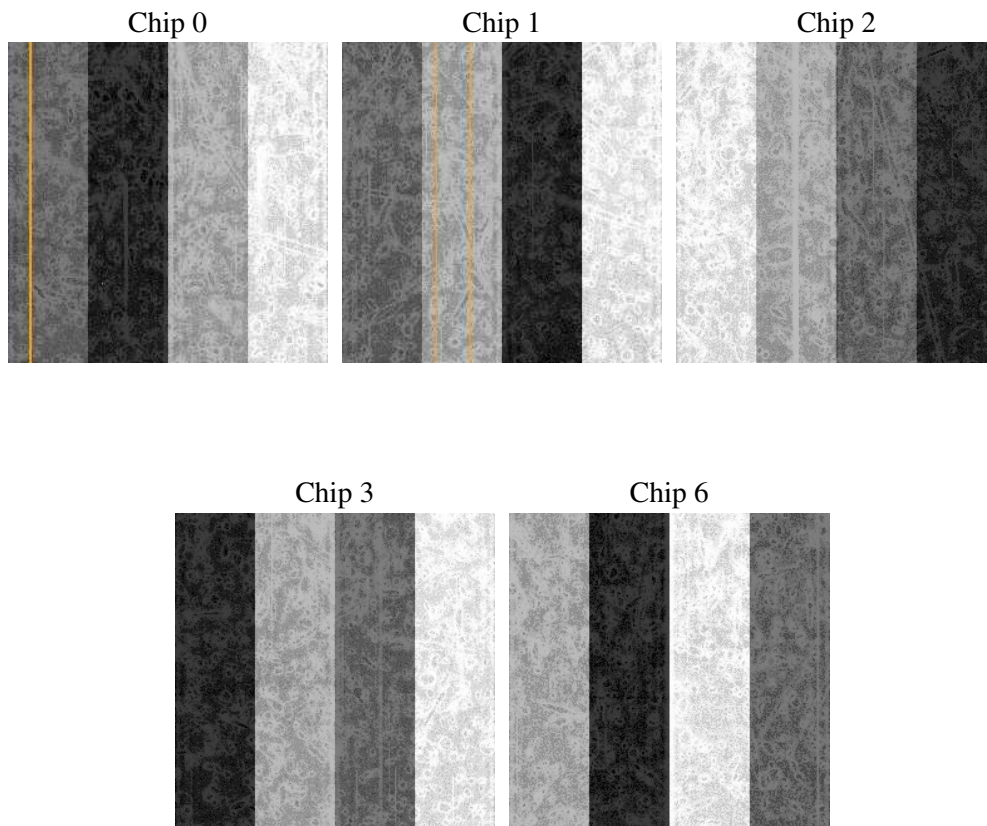
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-04-19T14:02:44
revision	2

sched_exp_time	36000.000000
ontime	36049.278547615
ontime0	36046.137627125
ontime1	36049.27850768
ontime2	36049.278557539
ontime3	36049.278547615
ontime6	36049.278537631
l1events	1228050

2.1.4 Events

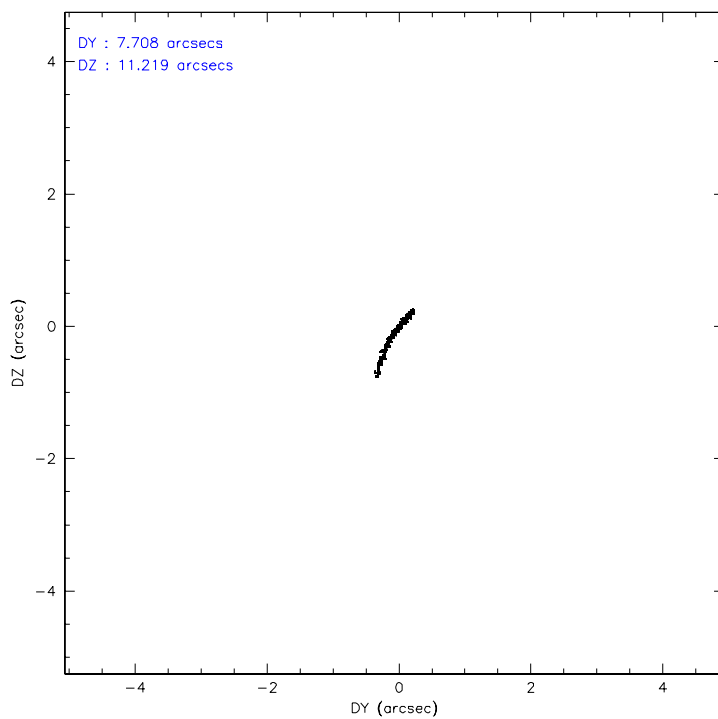
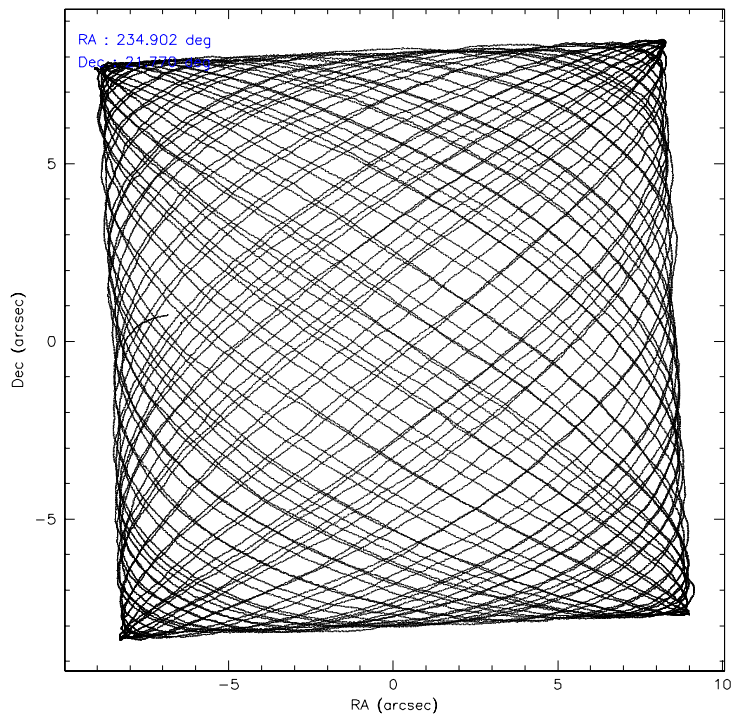
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	221448	235904	263957	271776	234965
rejected events	188601	196241	223464	212877	210677
rejected %	85%	83%	84%	78%	89%

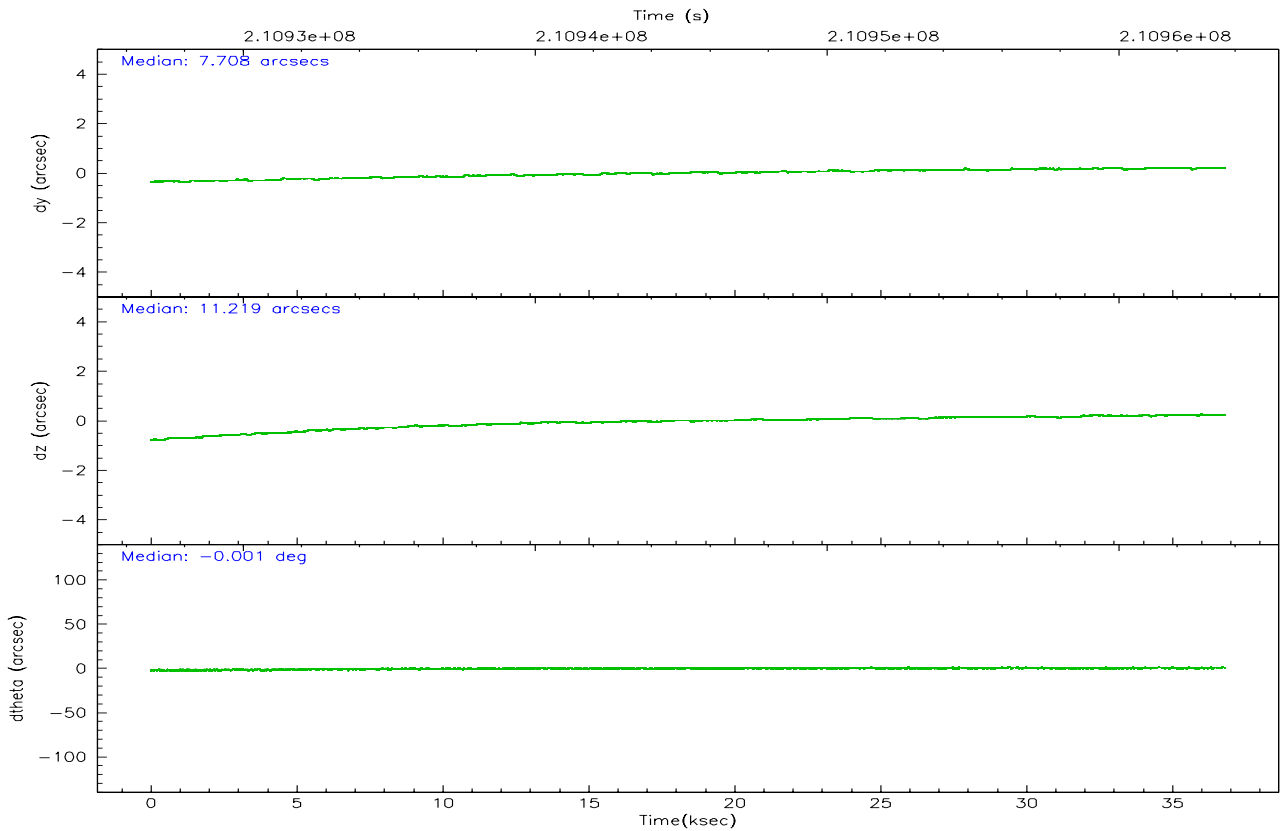
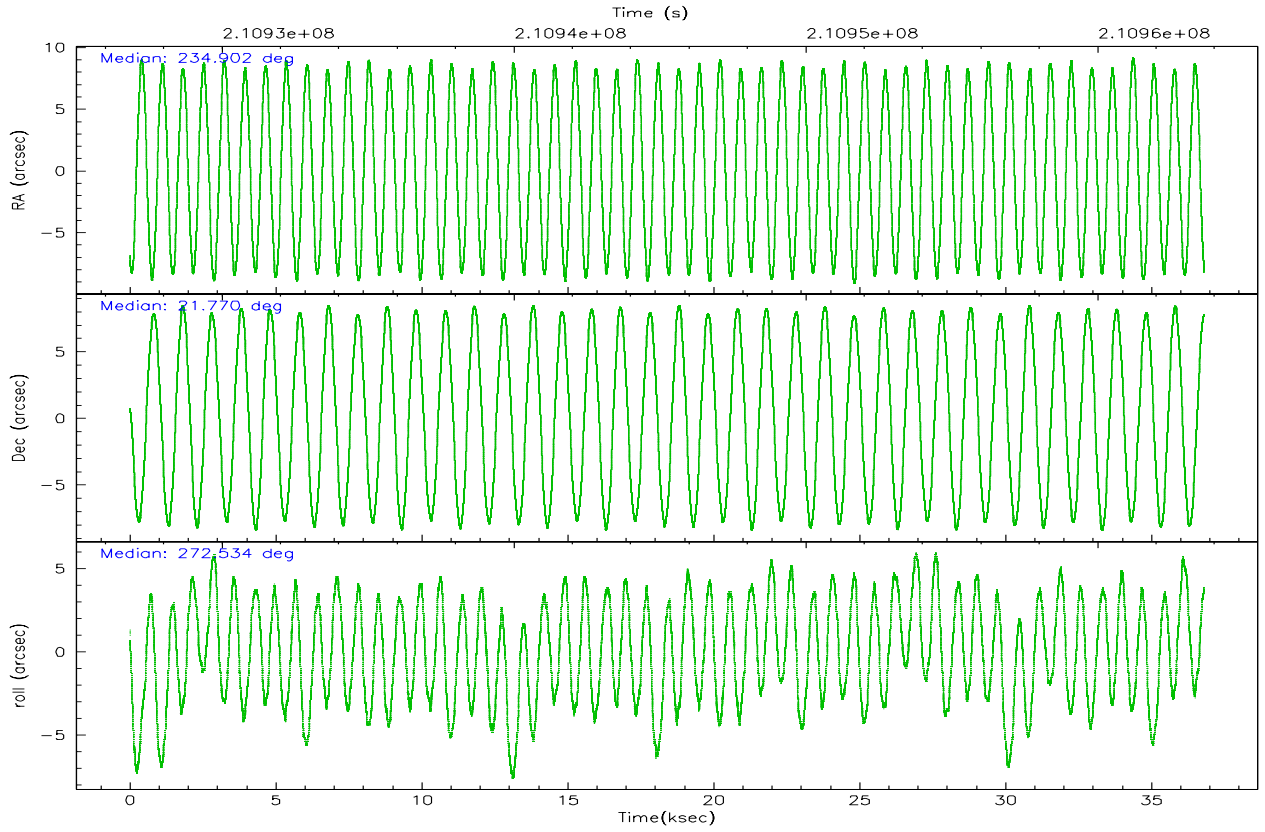
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	16156	20908	23018	38515	8857
	7%	8%	8%	14%	3%
grade 1 events	143	155	201	304	104
	0%	0%	0%	0%	0%
grade 2 events	6301	6920	6863	8163	5110
	2%	2%	2%	3%	2%
grade 3 events	2993	3242	3050	3600	2734
	1%	1%	1%	1%	1%
grade 4 events	2813	3142	3024	3551	2546
	1%	1%	1%	1%	1%
grade 5 events	8085	8688	7863	9334	9006
	3%	3%	2%	3%	3%
grade 6 events	4590	5455	4551	5082	5044
	2%	2%	1%	1%	2%
grade 7 events	180367	187394	215387	203227	201564
	81%	79%	81%	74%	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	234.886193	234.9021548467399	Alternating exposures requested	N	N
Pointing Dec	21.792795	21.76976983090798	Primary exposure time	0.000000	3.1
Pointing Roll	272.338591	272.5413587432297			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	210927652.184000	210926414.60123			
Observation start date	2004-09-07T06:59:48	2004-09-07T06:40:14			
Observation end time	210963652.184000	210964413.91542			
Observation end date	2004-09-07T16:59:48	2004-09-07T17:13:33			
Read mode	TIMED	TIMED			

2.3 Aspect



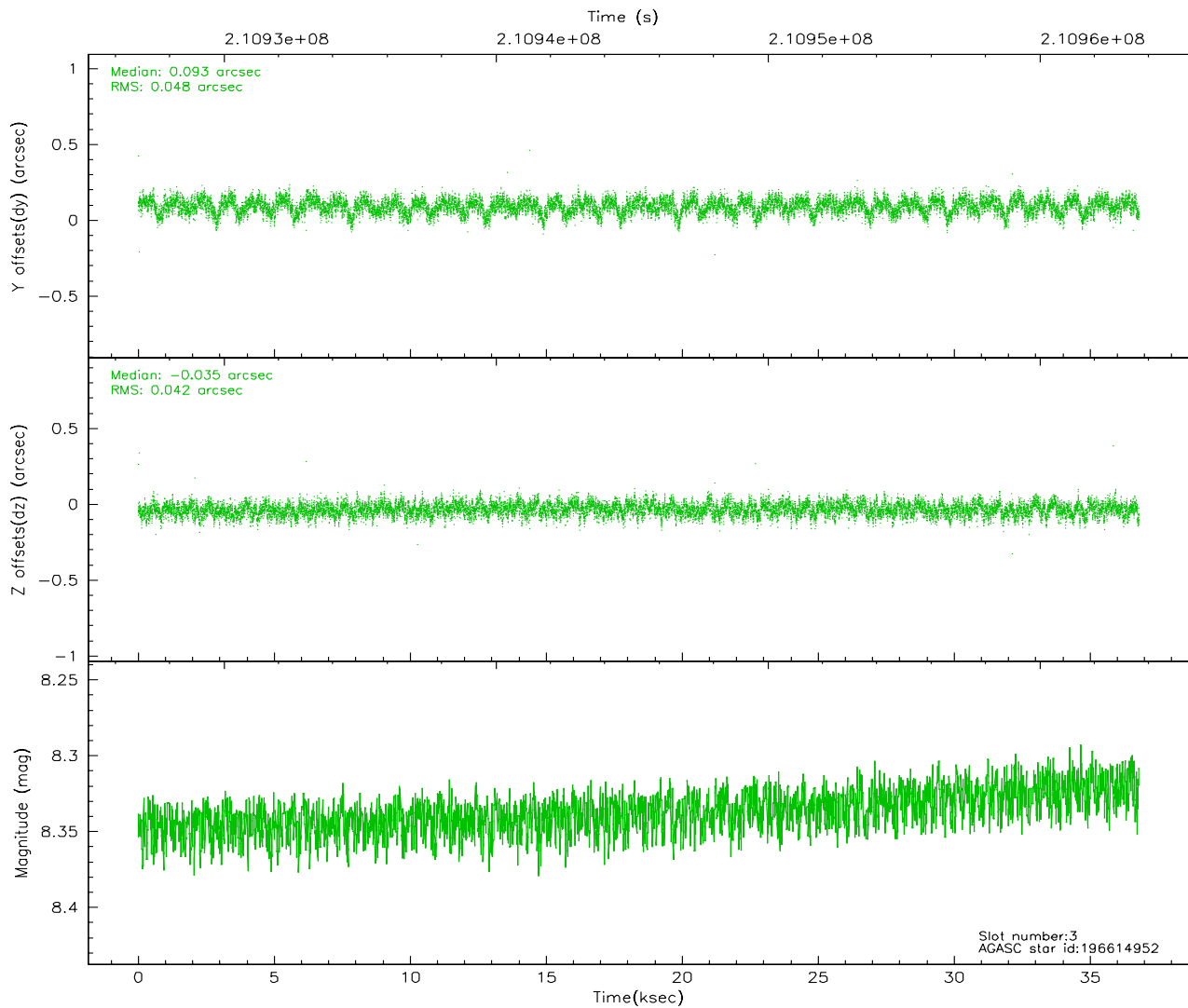
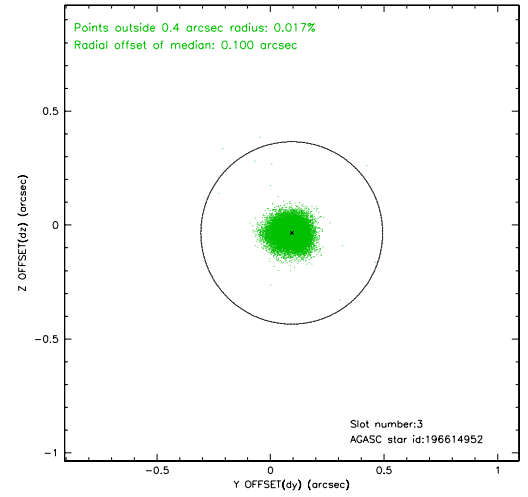
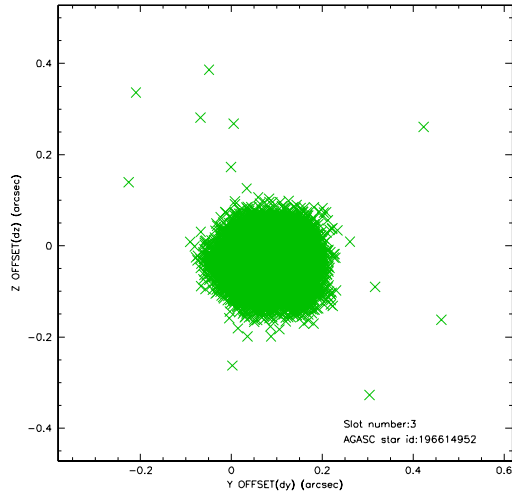


Slot Statistics

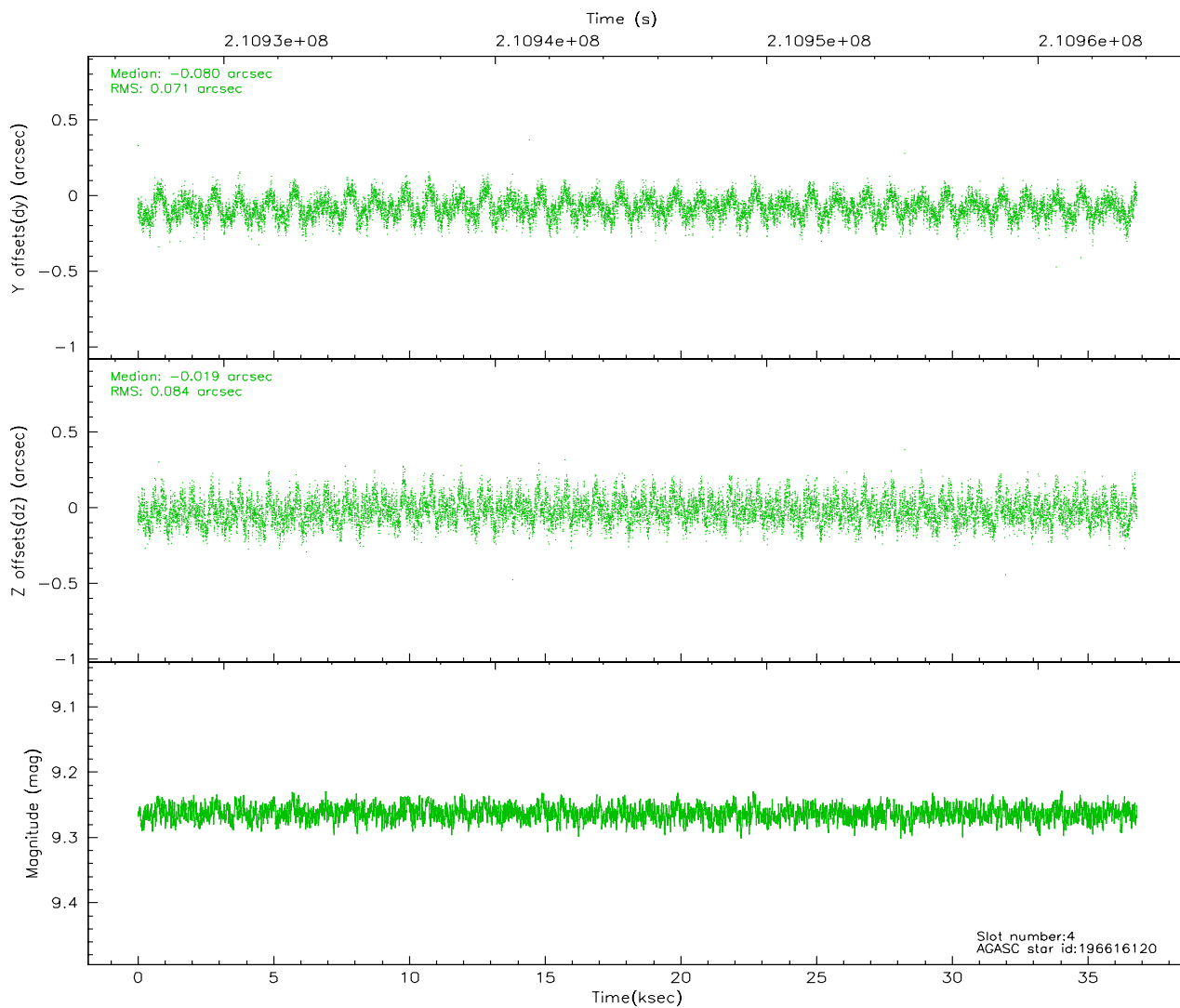
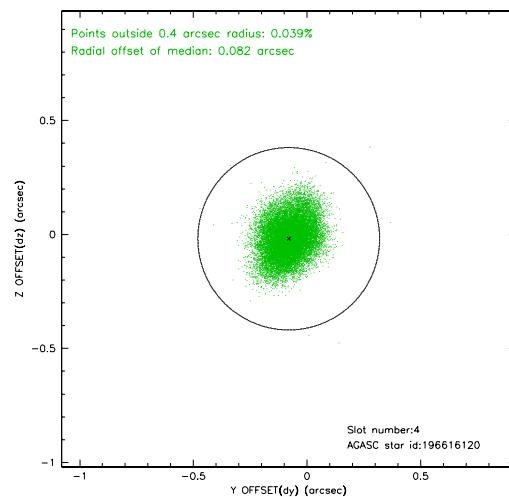
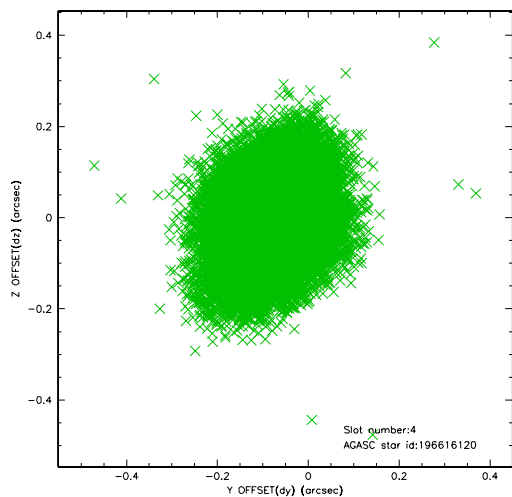
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	8976	0.013	0.016	0.010	0.018	0.000000	0.000000	931.97	-834.64
1	FID	ACIS-I-5	7.23	8976	-0.135	0.043	0.011	0.018	0.000000	0.000000	-1816.24	1062.90
2	FID	ACIS-I-6	7.25	8976	0.030	0.012	0.009	0.019	0.000000	0.000000	397.54	1707.38
3	GUIDE	196614952	8.34	17951	0.093	-0.035	0.068	0.109	234.474207	21.440713	1208.73	-1430.58
4	GUIDE	196616120	9.26	17912	-0.080	-0.019	0.118	0.188	234.158557	22.129689	-1316.10	-2374.82
5	GUIDE	196745720	9.41	17901	0.054	0.002	0.113	0.178	234.789121	21.653101	489.44	-344.85
6	GUIDE	196749704	8.93	17877	0.069	-0.013	0.088	0.144	234.990728	21.168908	2258.65	259.51
7	GUIDE	196752504	8.12	17950	-0.133	0.062	0.058	0.096	235.370064	22.324206	-1848.22	1688.43

2.4 Star Slots

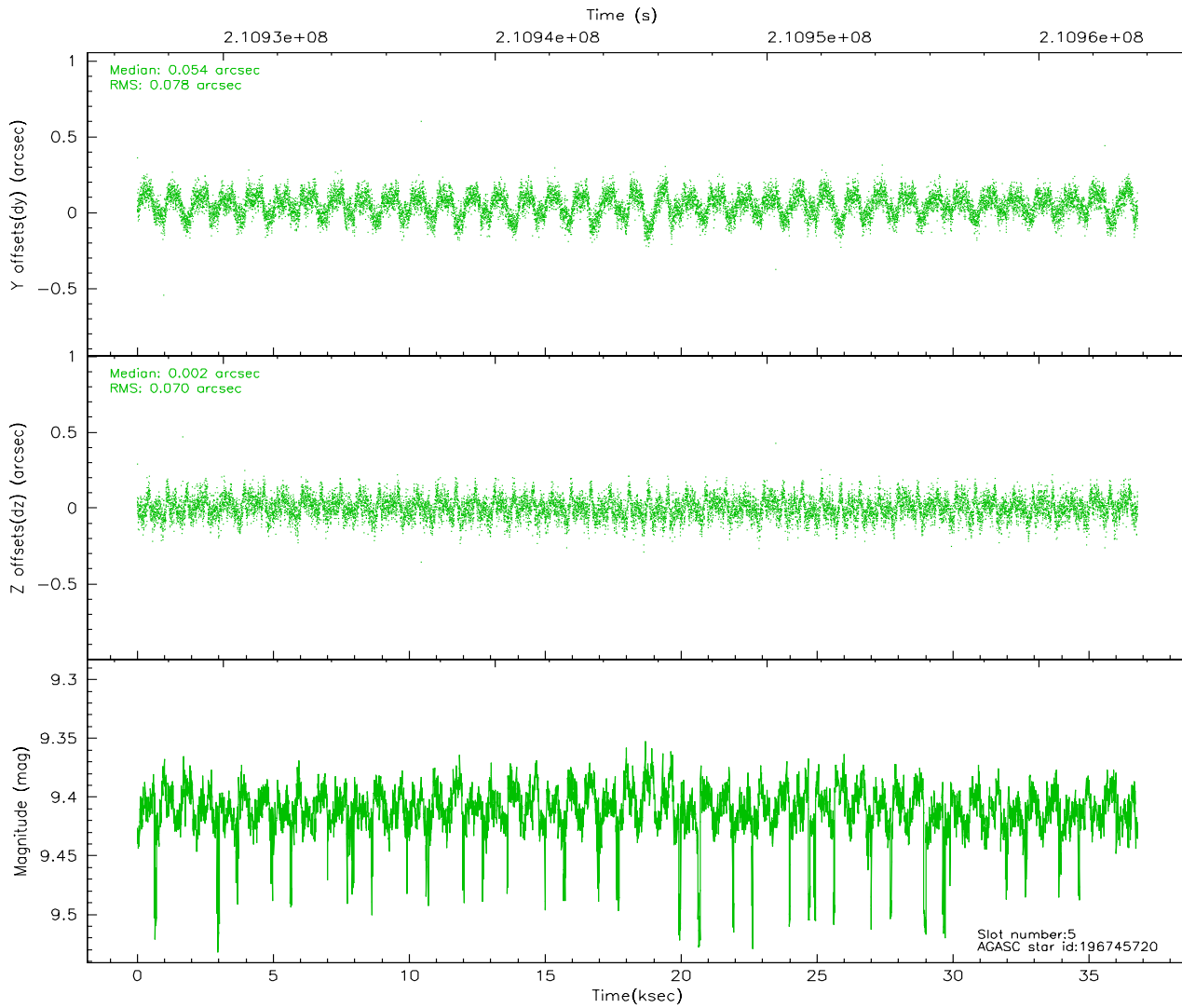
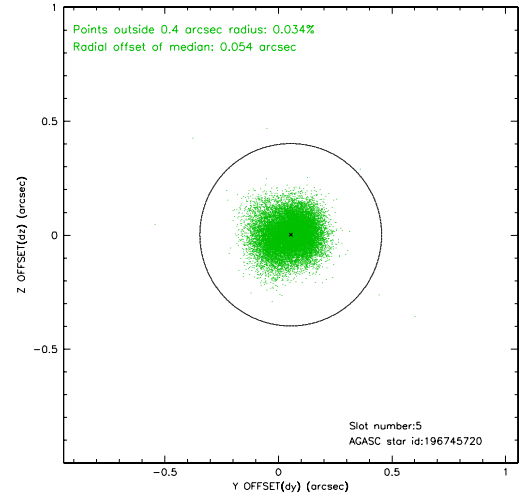
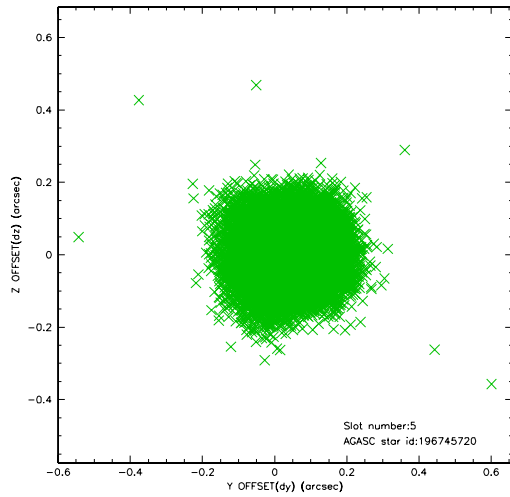
2.4.1 Slot 3



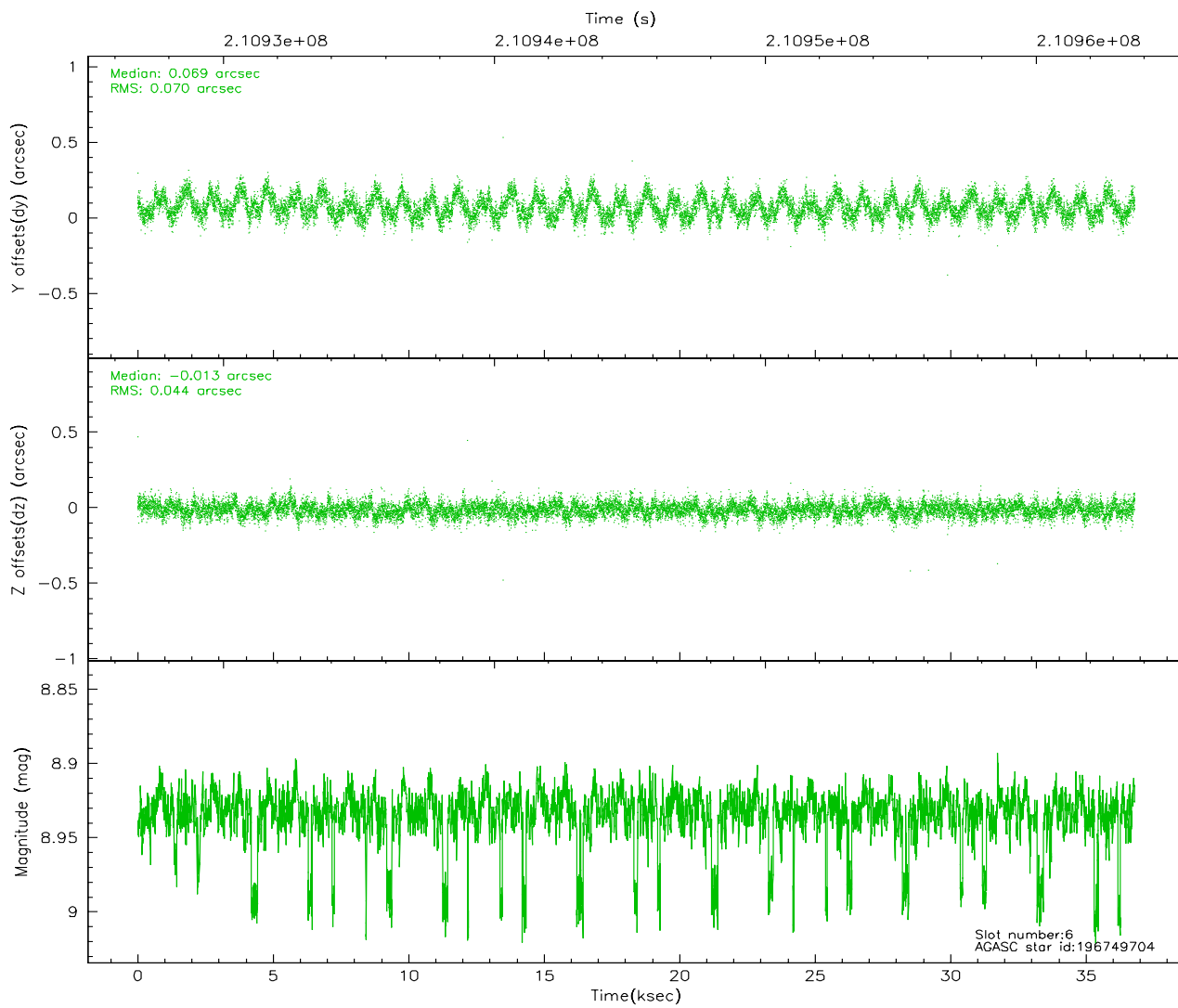
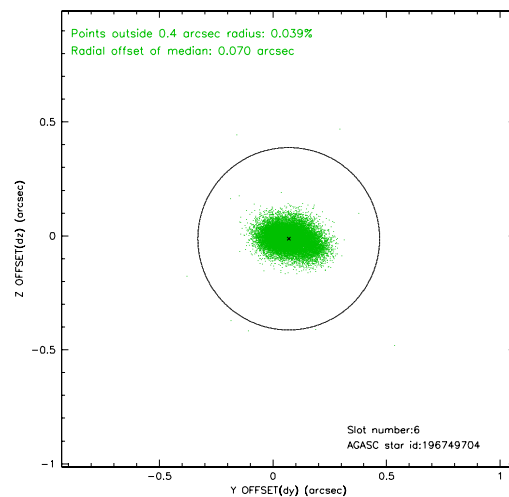
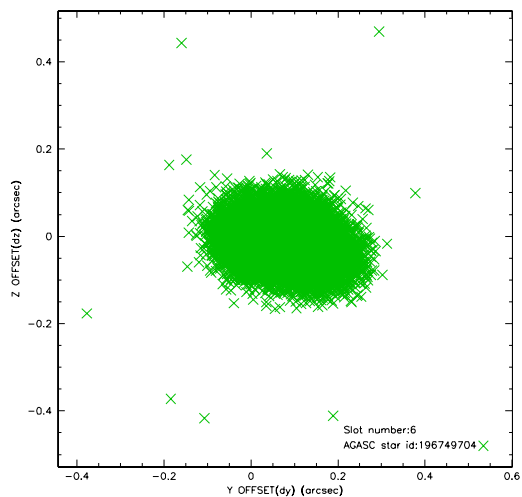
2.4.2 Slot 4



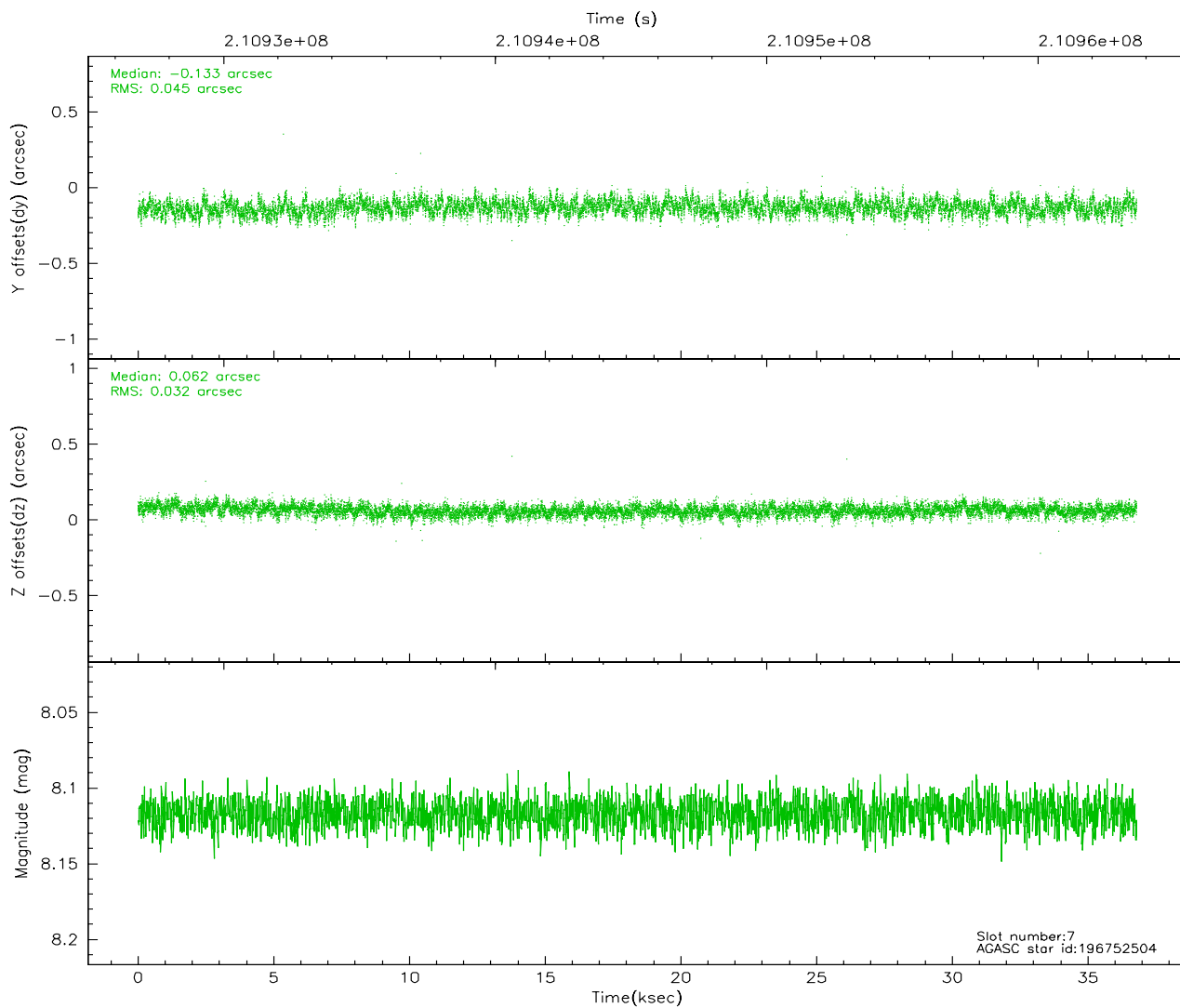
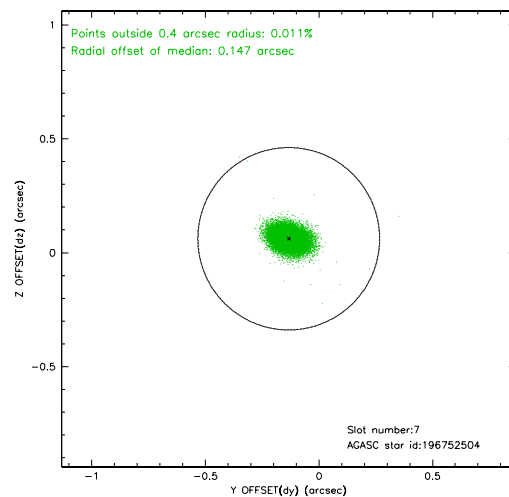
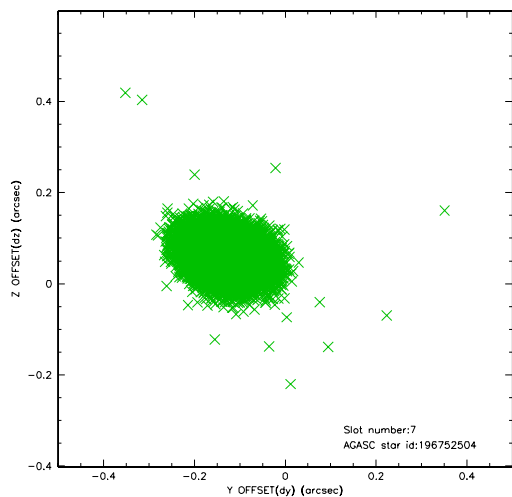
2.4.3 Slot 5



2.4.4 Slot 6

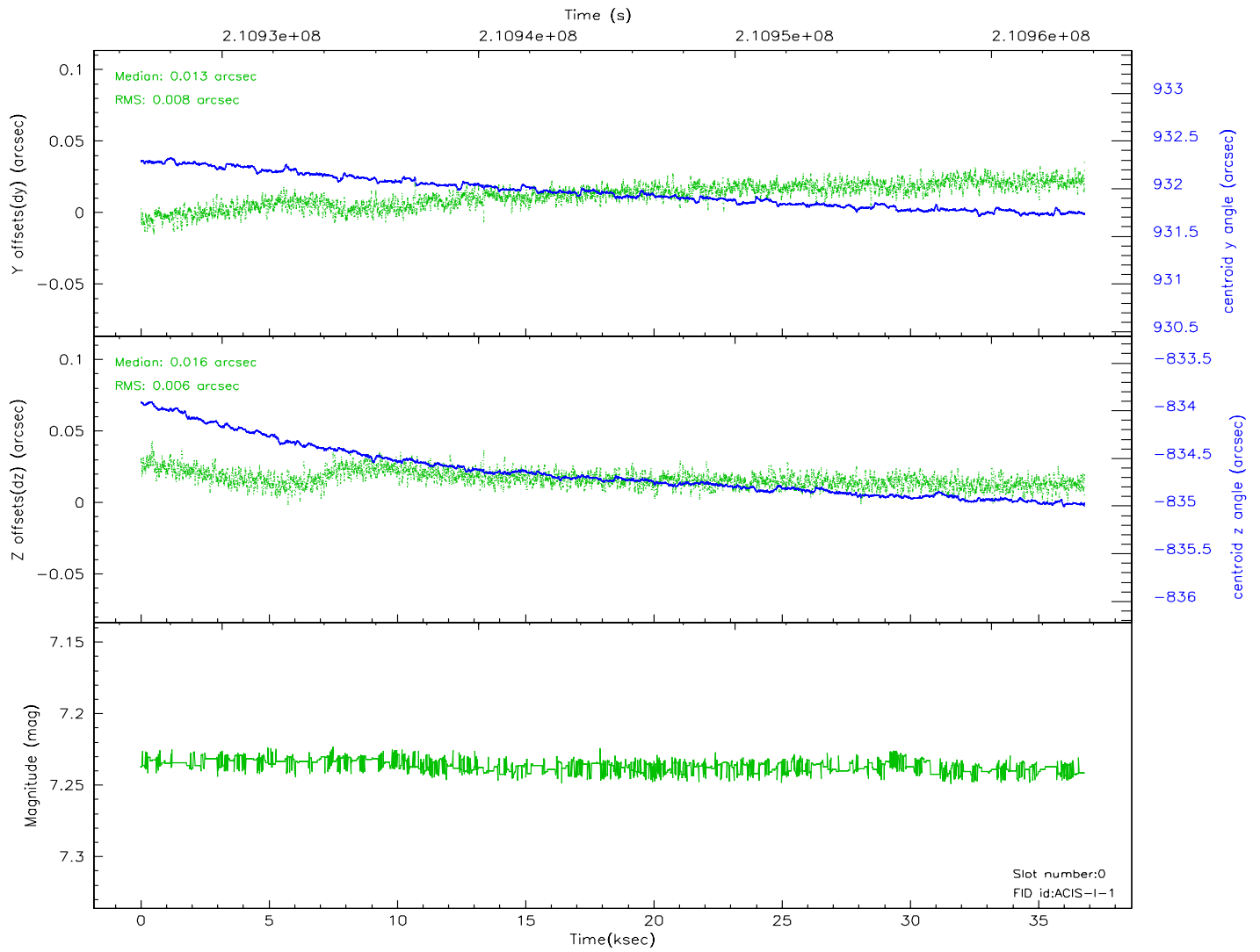
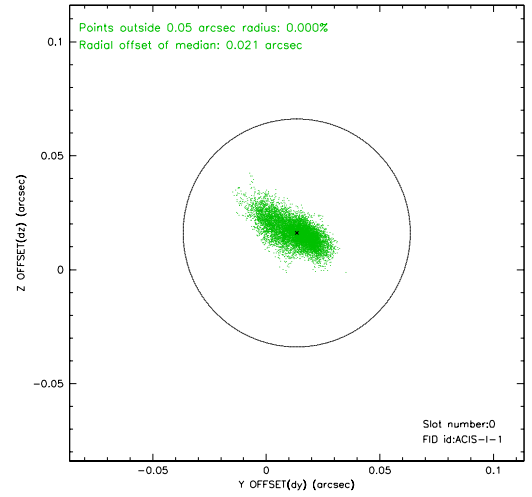
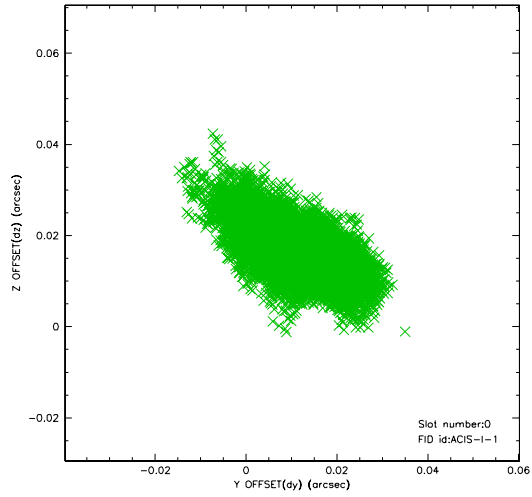


2.4.5 Slot 7

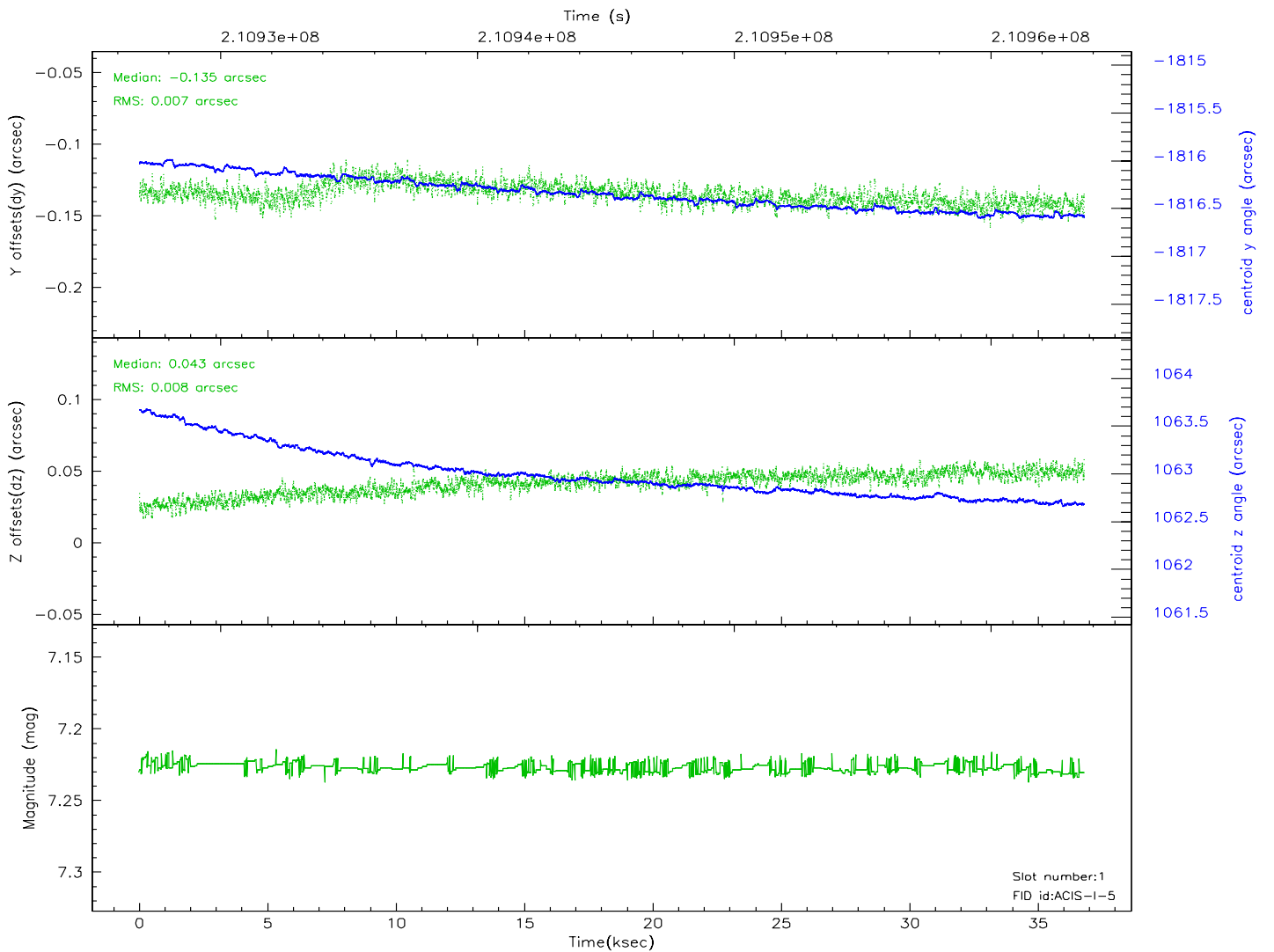
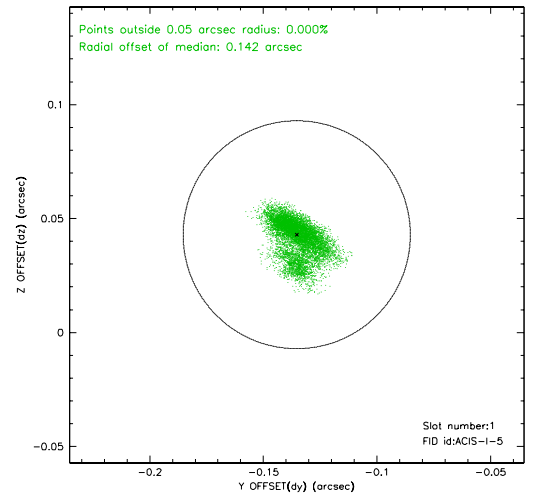
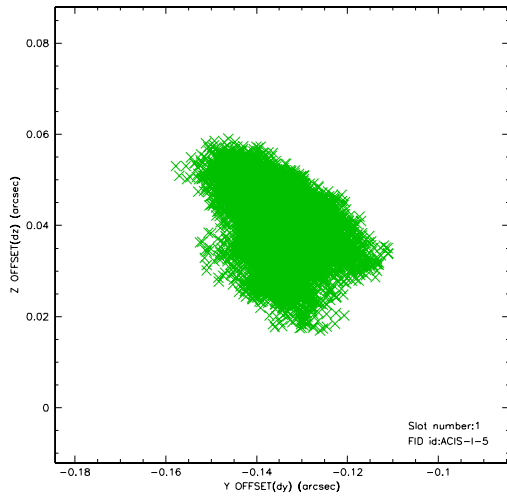


2.5 FID Slots

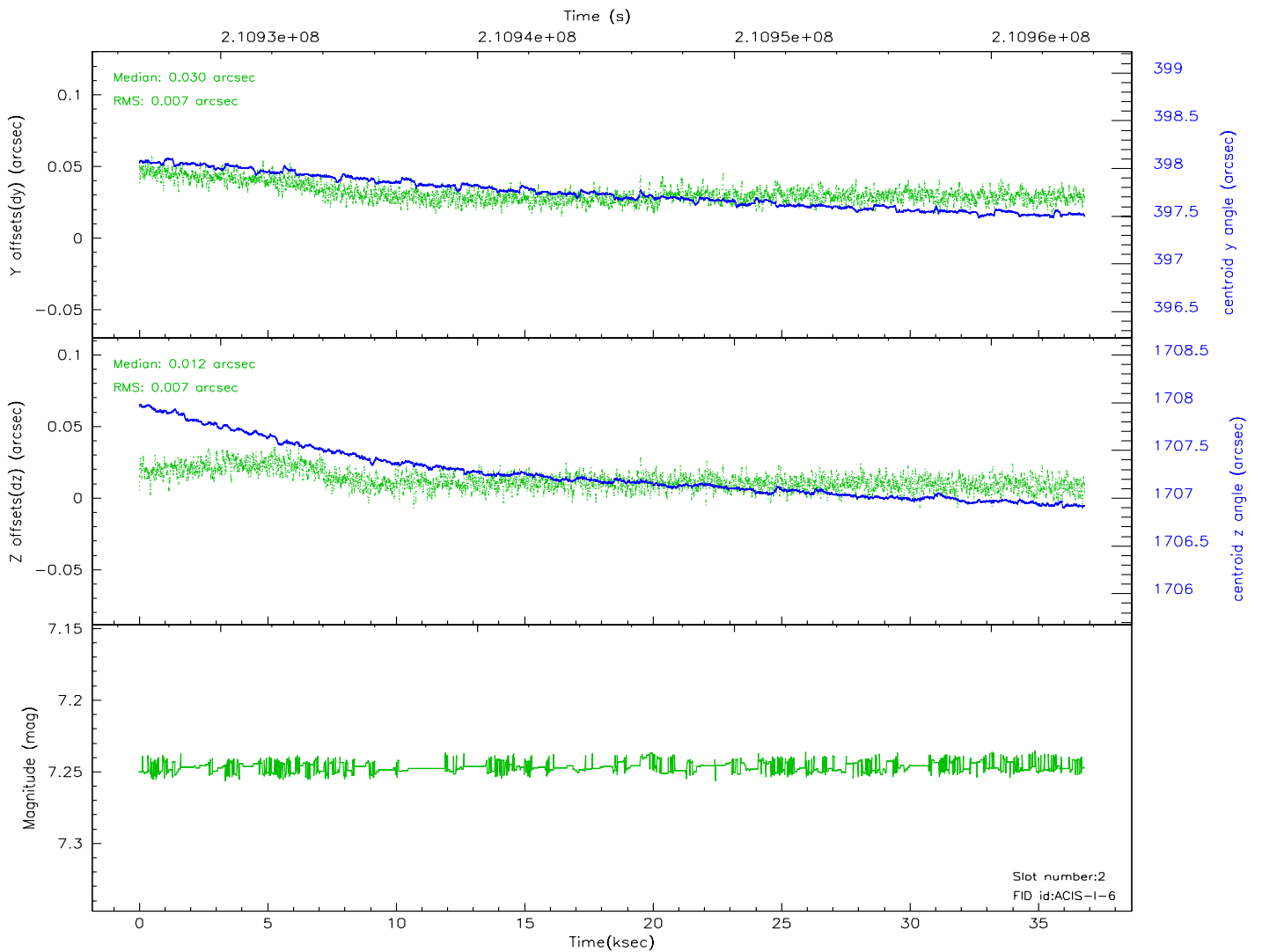
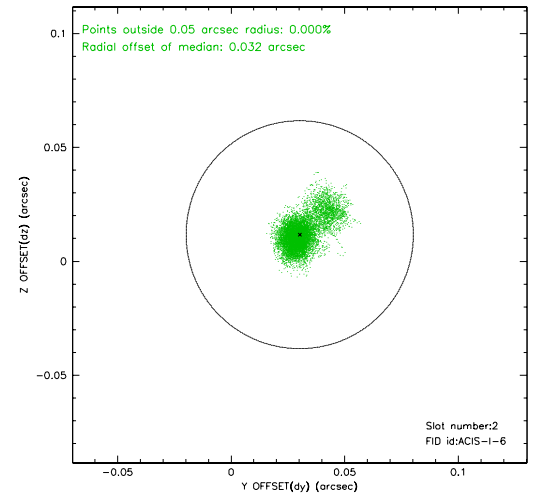
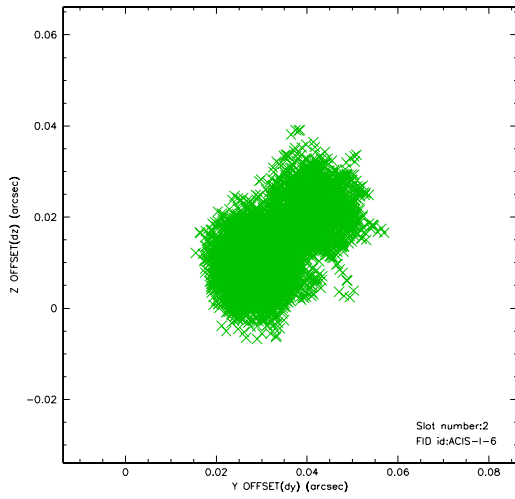
2.5.1 Slot 0



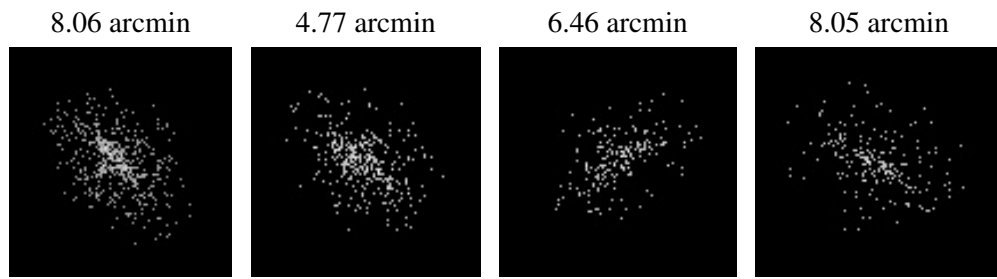
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	36.043

A.2 Comments

The ACIS focal plane temperature decreases by a degree over the course of the observation.