

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 5407 - L2 Version 003
Chandra X-Ray Center

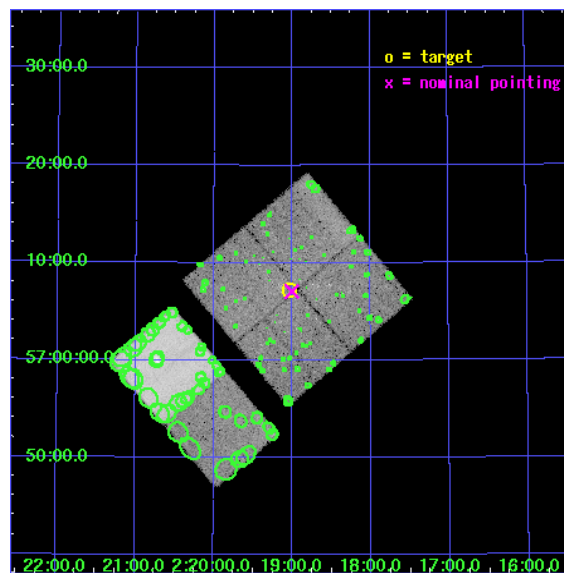
L2 Processing Date : Apr 11 2006

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

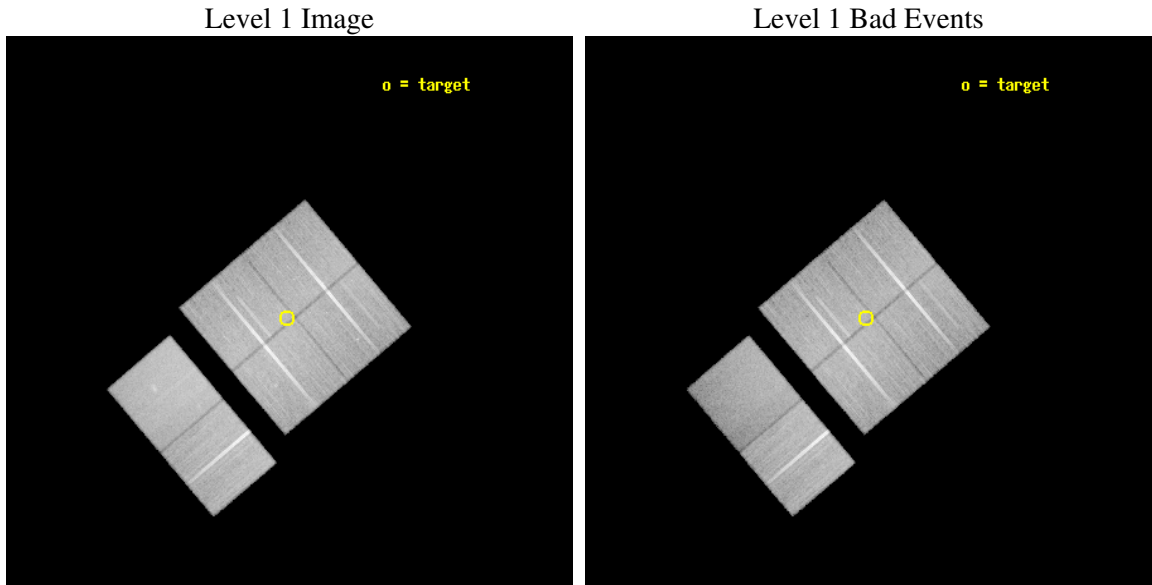
seq_num	200341
obs_id	5407
title	h and Chi Per: The Loudest Sources?
observer	Dr. Nancy Evans
object	h Per
dtcycle	0
cycle	P
ra_targ	34.759167
dec_targ	57.12
ra_nom	34.751565346443
dec_nom	57.117919317676
roll_nom	229.71586364691
revision	3
ontime	41631.87687403
livetime	41104.708981344
ontime0	41638.358884484
ontime1	41631.876874
ontime2	41635.117874295
ontime3	41631.87687403
ontime6	41635.117894173
ontime7	41641.599844873
l2events	241830



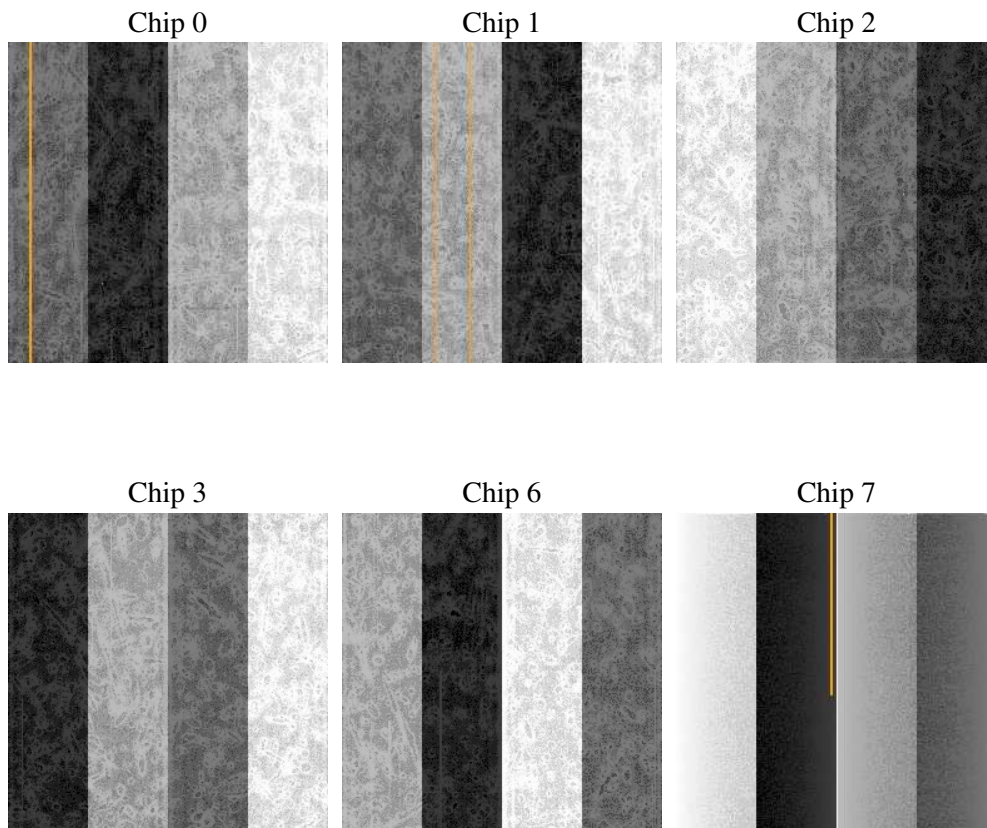
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-04-11T16:57:35
revision	3

sched_exp_time	41507.278000
ontime	41637.283002108
ontime0	41643.765012562
ontime1	41637.283002079
ontime2	41640.524002373
ontime3	41637.283002108
ontime6	41640.524022251
ontime7	41647.005972952
l1events	1630538

2.1.4 Events

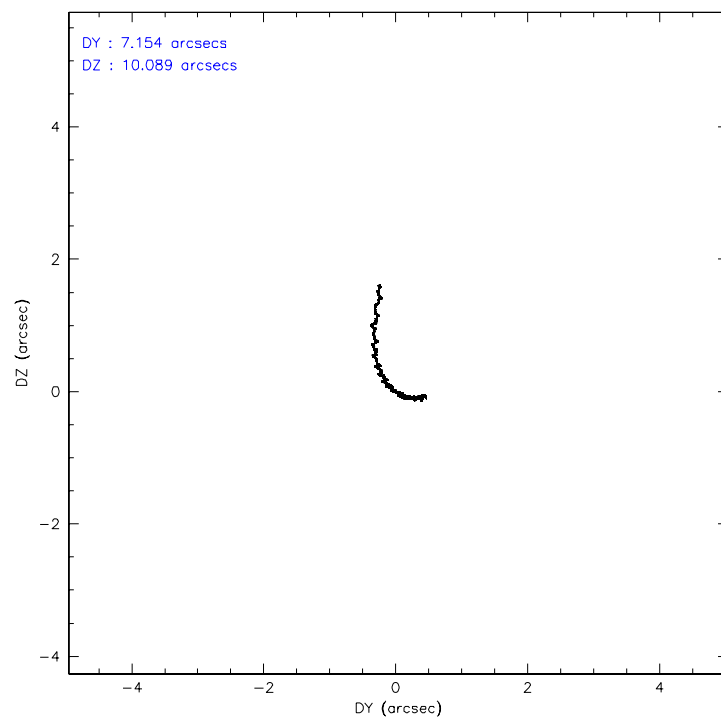
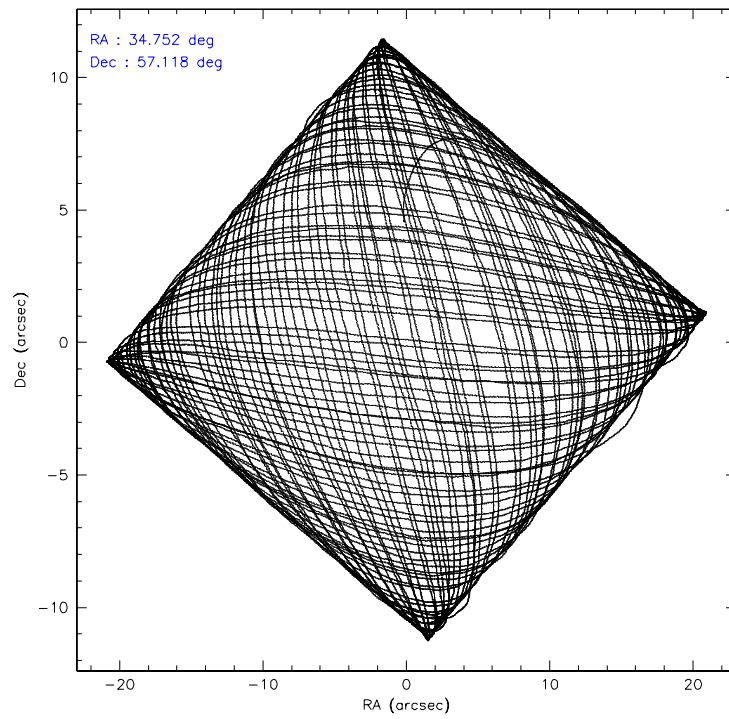
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	248017	251027	281482	268674	284354	296984
rejected events	219569	219365	253537	241527	256141	172135
rejected %	88%	87%	90%	89%	90%	57%

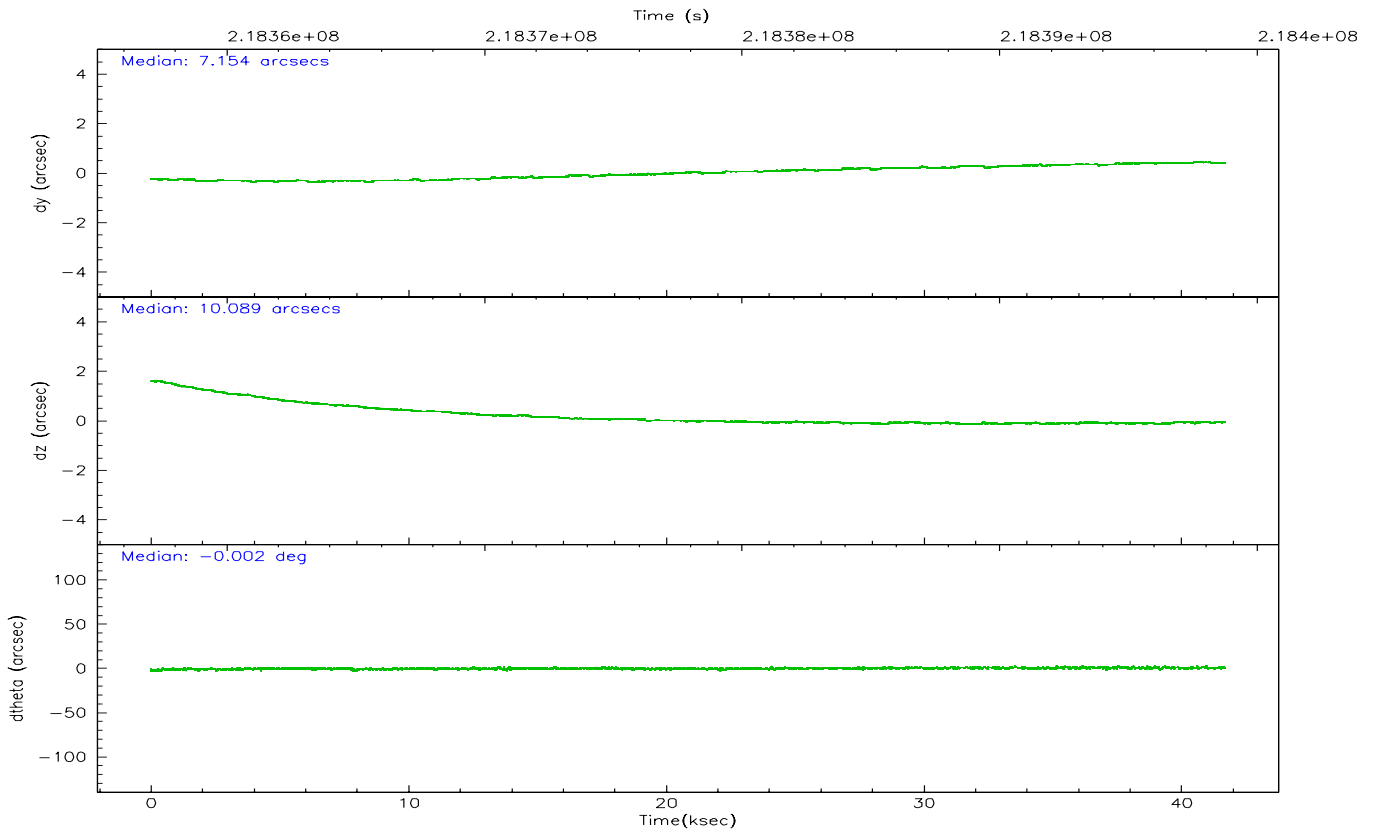
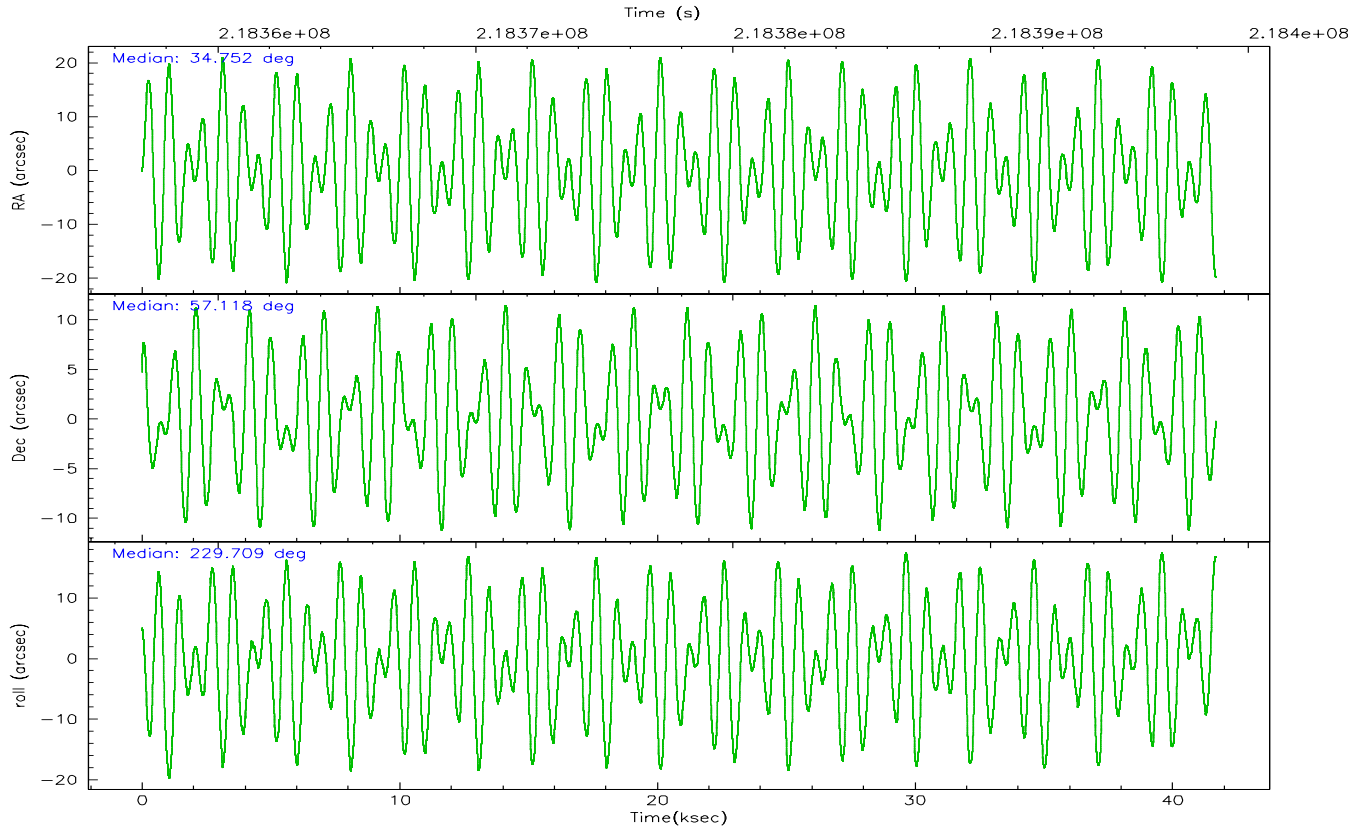
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	10974	12493	10966	11013	10137	7164
	4%	4%	3%	4%	3%	2%
grade 1 events	122	137	148	152	135	142
	0%	0%	0%	0%	0%	0%
grade 2 events	6353	6673	6196	5466	6011	30909
	2%	2%	2%	2%	2%	10%
grade 3 events	3140	3341	3012	2921	3158	7117
	1%	1%	1%	1%	1%	2%
grade 4 events	2848	3262	2931	2910	3073	6816
	1%	1%	1%	1%	1%	2%
grade 5 events	9046	10050	8613	10246	10517	21856
	3%	4%	3%	3%	3%	7%
grade 6 events	5136	5898	4845	4841	5836	72864
	2%	2%	1%	1%	2%	24%
grade 7 events	210398	209173	244771	231125	245487	150116
	84%	83%	86%	86%	86%	50%

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	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	34.760351	34.75156534644332	Alternating exposures requested	N	N
Pointing Dec	57.144872	57.11791931767635	Primary exposure time	0.000000	3.2
Pointing Roll	229.499798	229.7158636469106			
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	218357237.184000	218356187.90887			
Observation start date	2004-12-02T06:46:13	2004-12-02T06:29:47			
Observation end time	218398745.184000	218398979.0983			
Observation end date	2004-12-02T18:18:01	2004-12-02T18:22:59			
Read mode	TIMED	TIMED			

2.3 Aspect



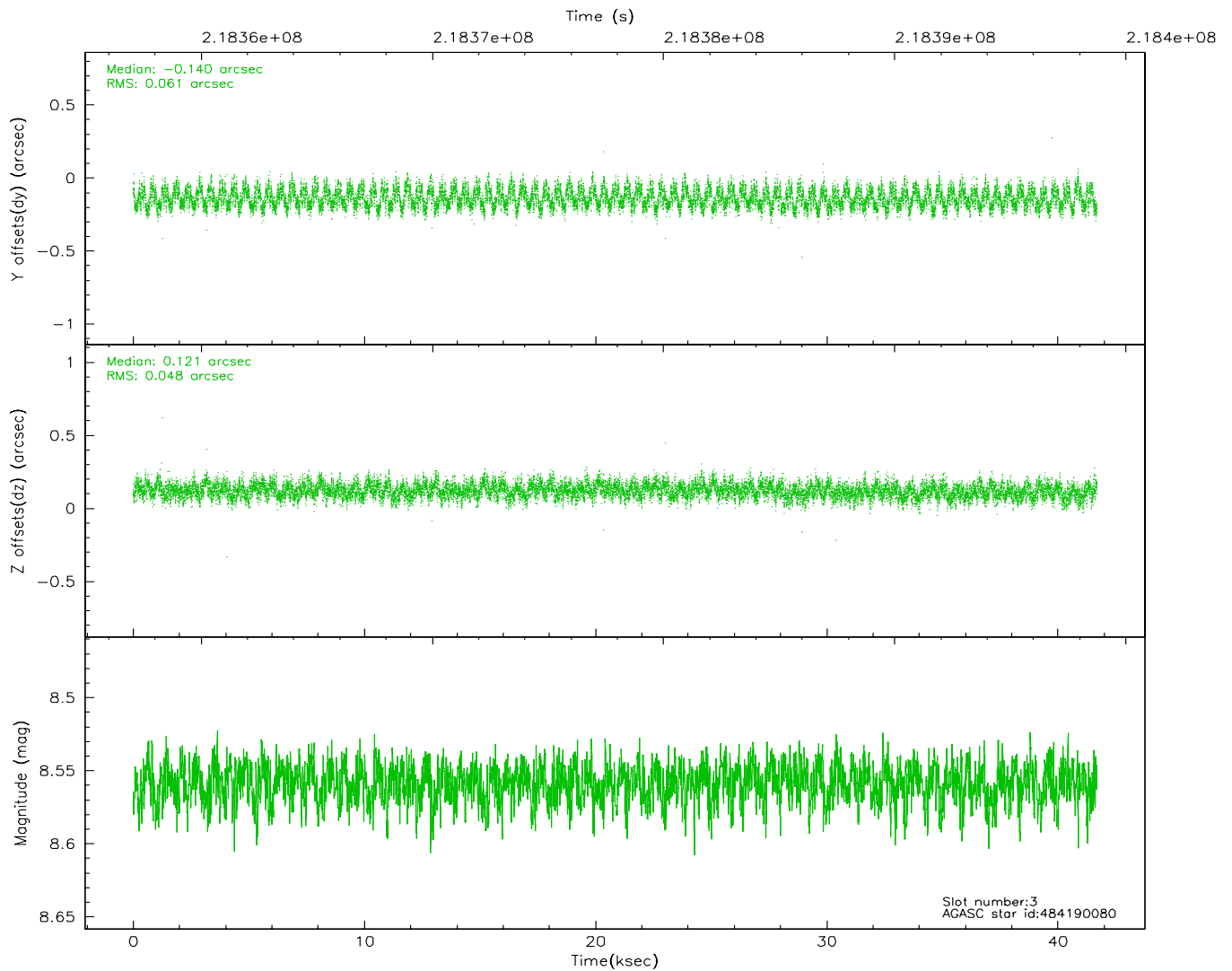
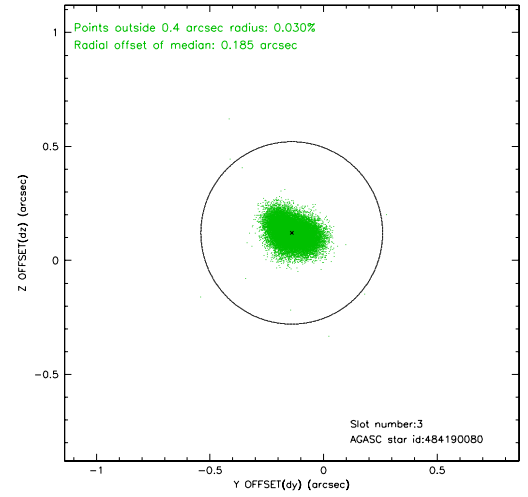
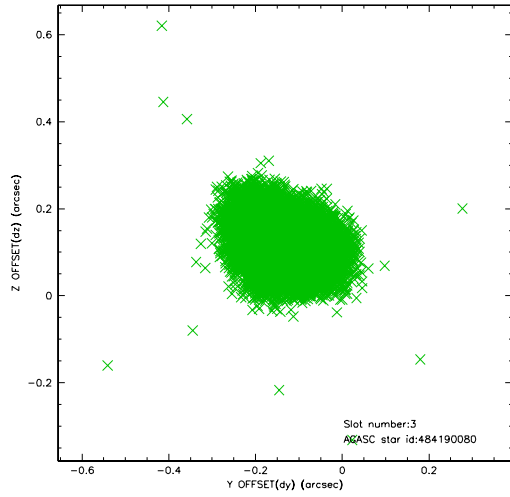


Slot Statistics

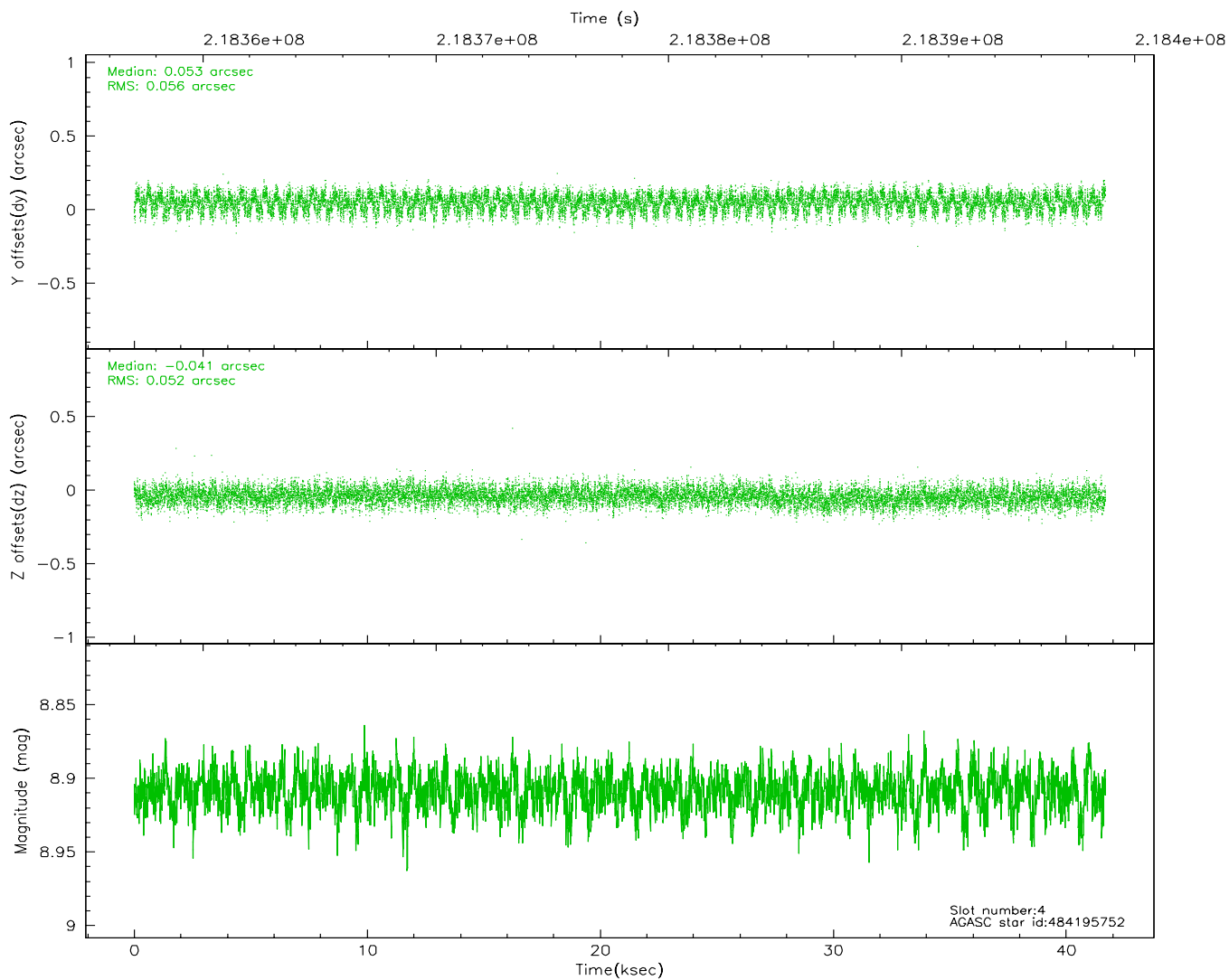
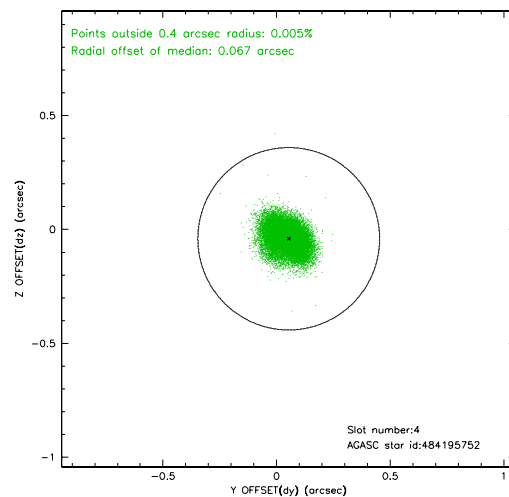
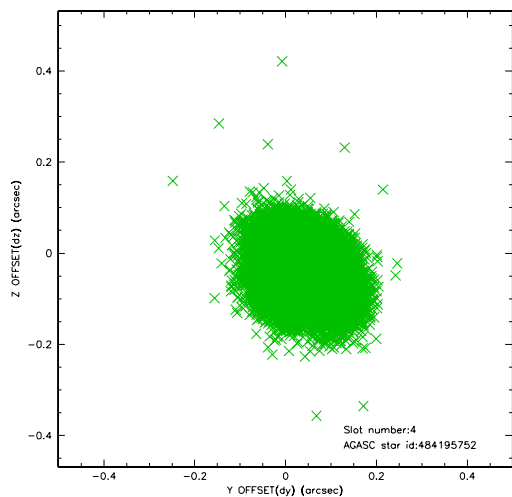
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	10168	-0.053	-0.040	0.022	0.038	0.000000	0.000000	-761.72	-840.19
1	FID	ACIS-I-4	7.19	10168	0.101	0.048	0.018	0.029	0.000000	0.000000	2152.50	1066.05
2	FID	ACIS-I-5	7.23	10168	-0.152	0.061	0.022	0.043	0.000000	0.000000	-1815.62	1063.94
3	GUIDE	484190080	8.56	20330	-0.140	0.121	0.084	0.130	35.011838	56.591519	1190.31	1672.57
4	GUIDE	484195752	8.91	20327	0.053	-0.041	0.081	0.130	35.849737	56.854236	-609.88	2298.87
5	GUIDE	484063968	7.10	20335	0.026	-0.049	0.078	0.121	33.233590	57.204492	1745.38	-2422.69
6	GUIDE	484204112	7.91	20335	0.016	-0.083	0.047	0.077	34.518005	56.479546	2133.84	1188.72
7	GUIDE	484181304	9.10	20331	0.047	0.049	0.080	0.129	35.161466	57.807187	-2313.89	-965.17

2.4 Star Slots

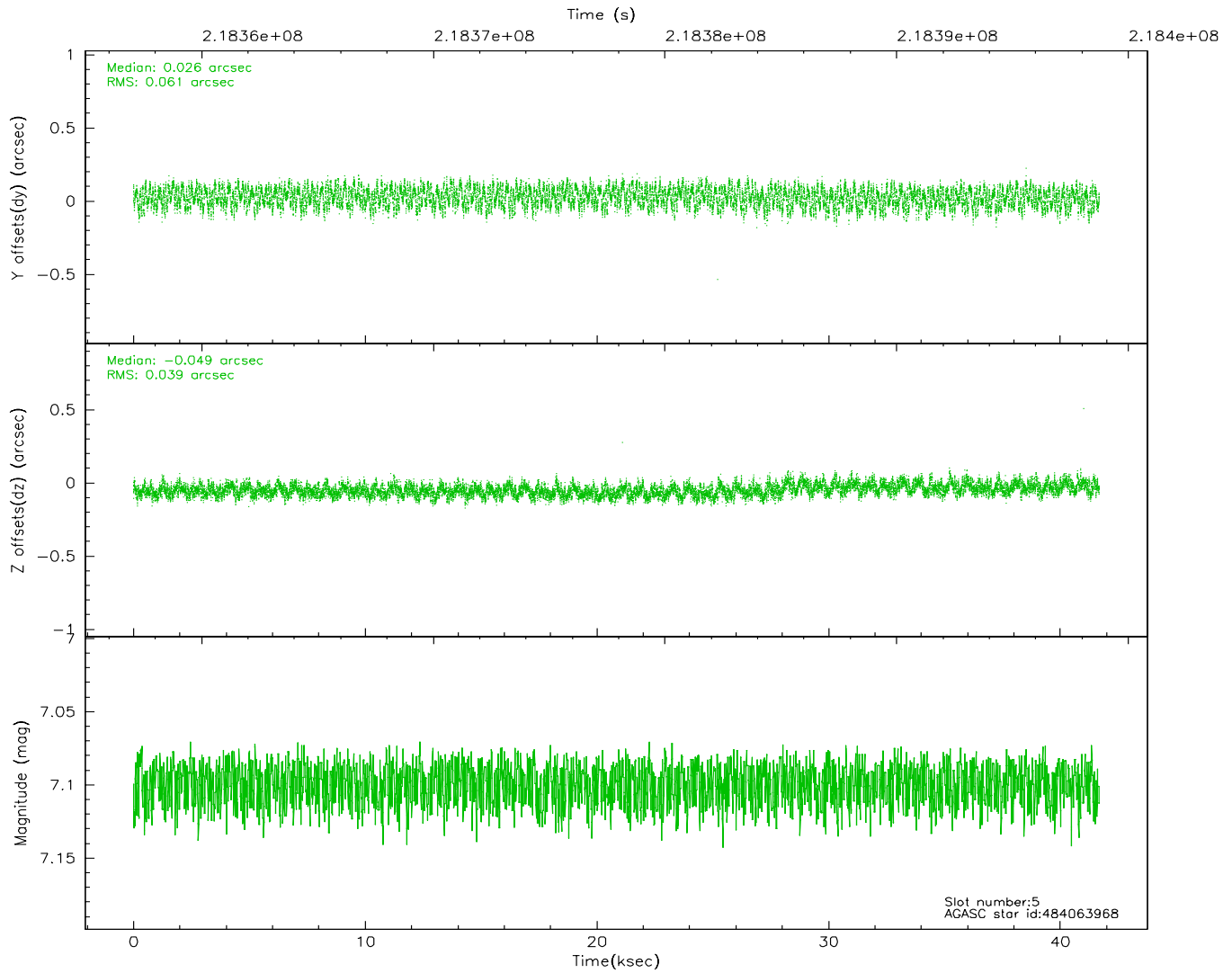
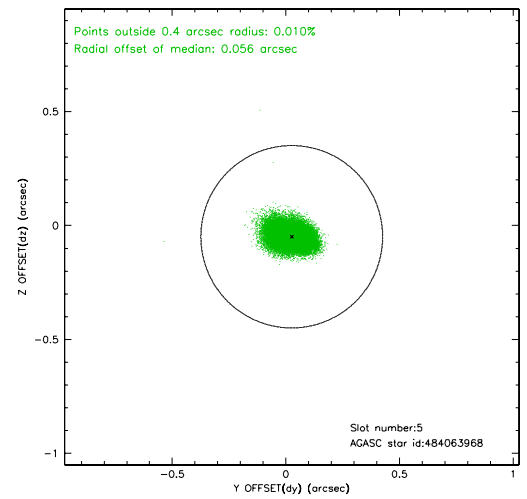
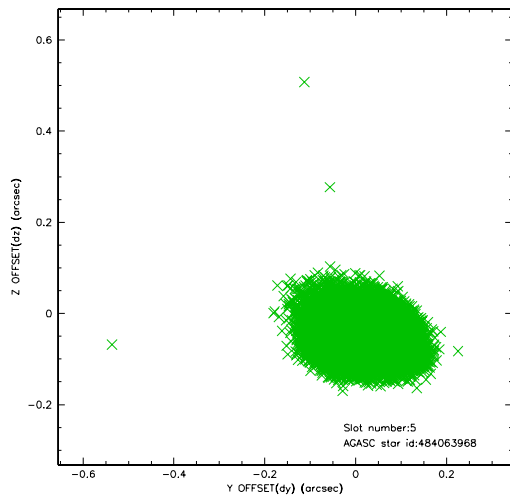
2.4.1 Slot 3



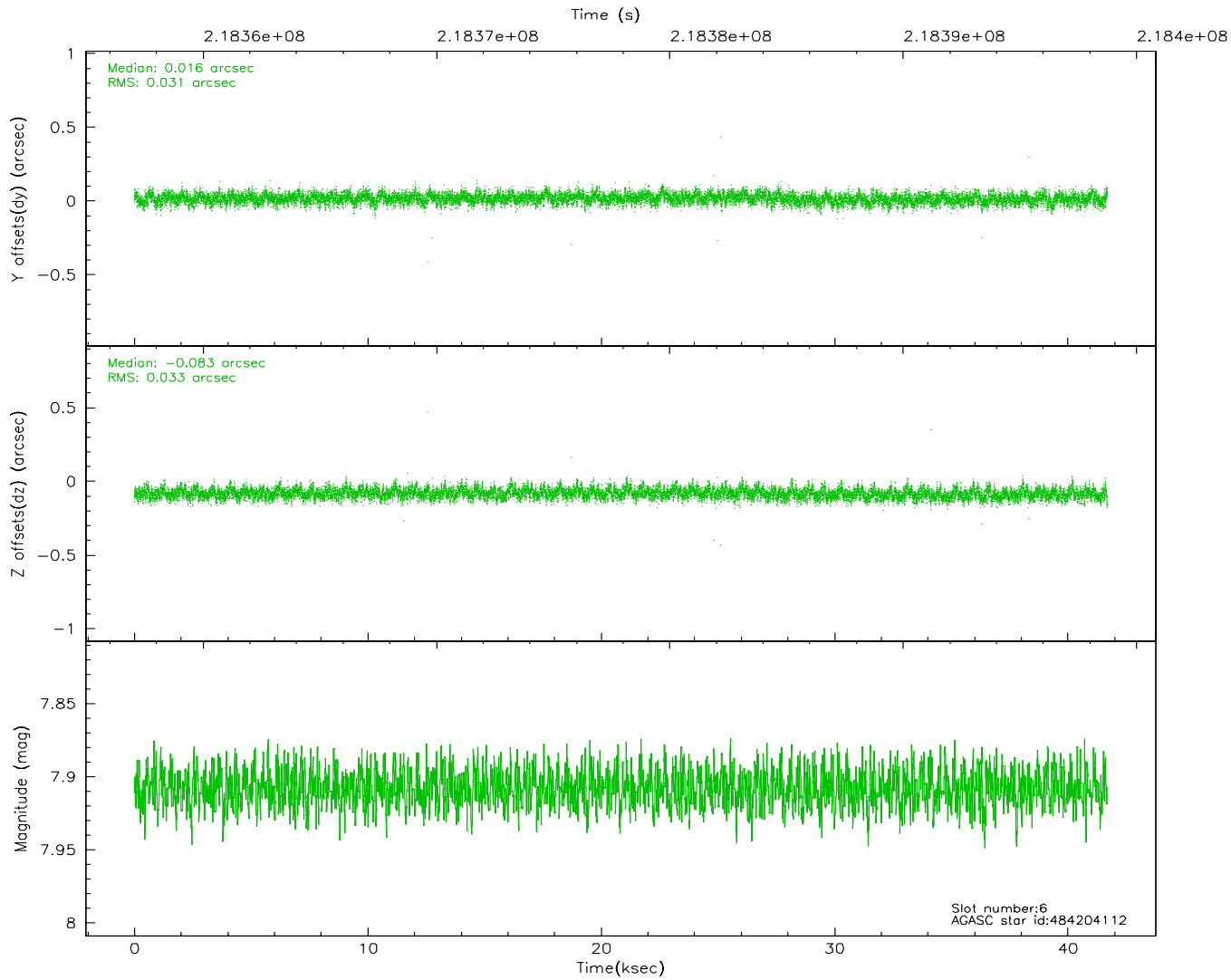
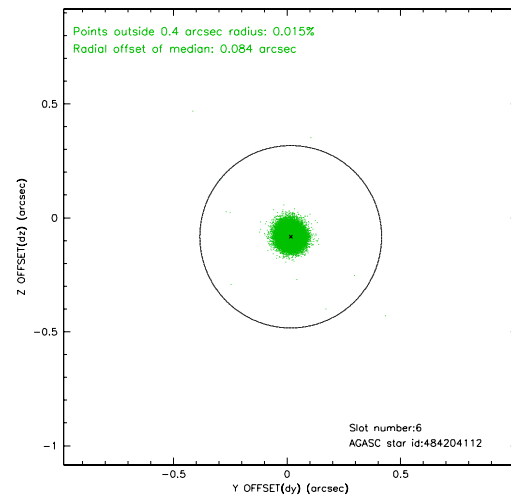
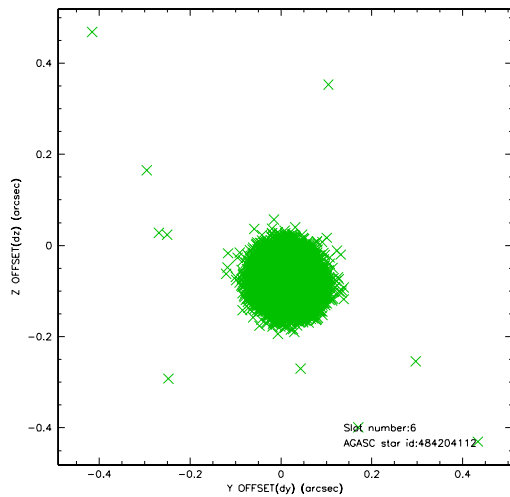
2.4.2 Slot 4



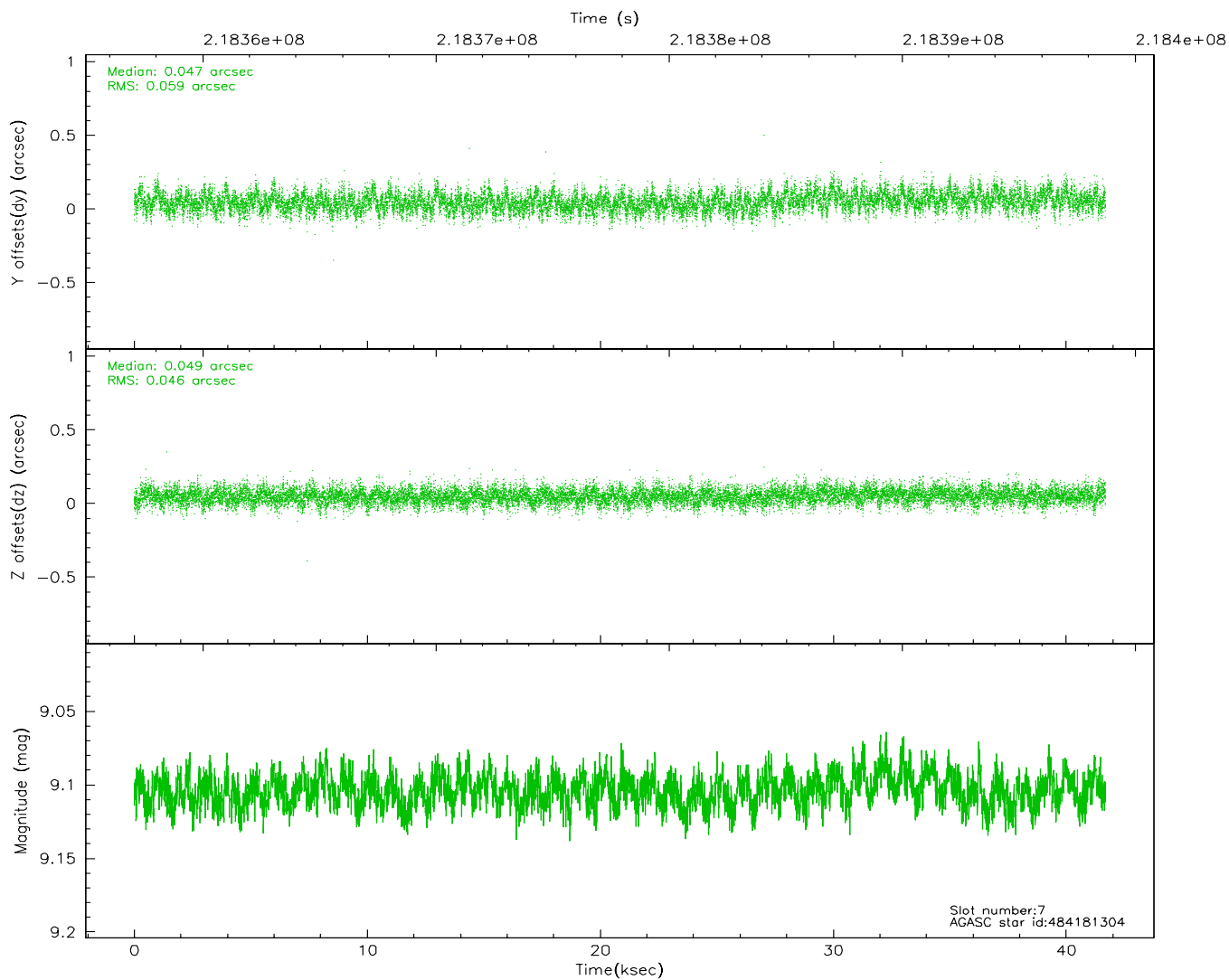
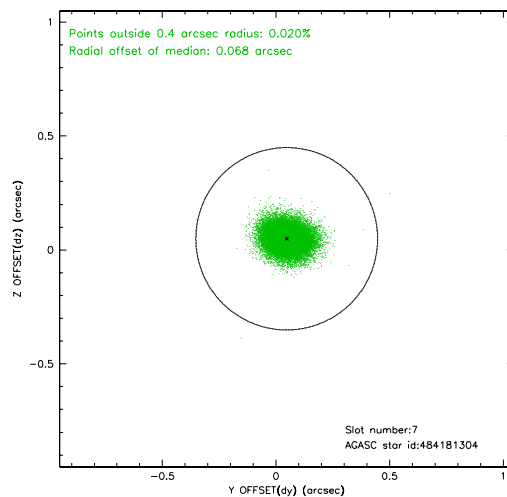
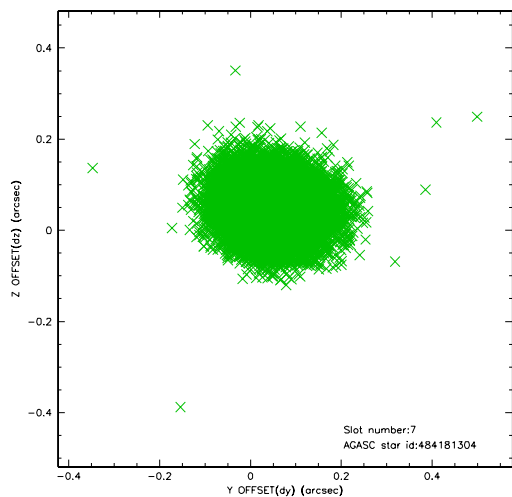
2.4.3 Slot 5



2.4.4 Slot 6

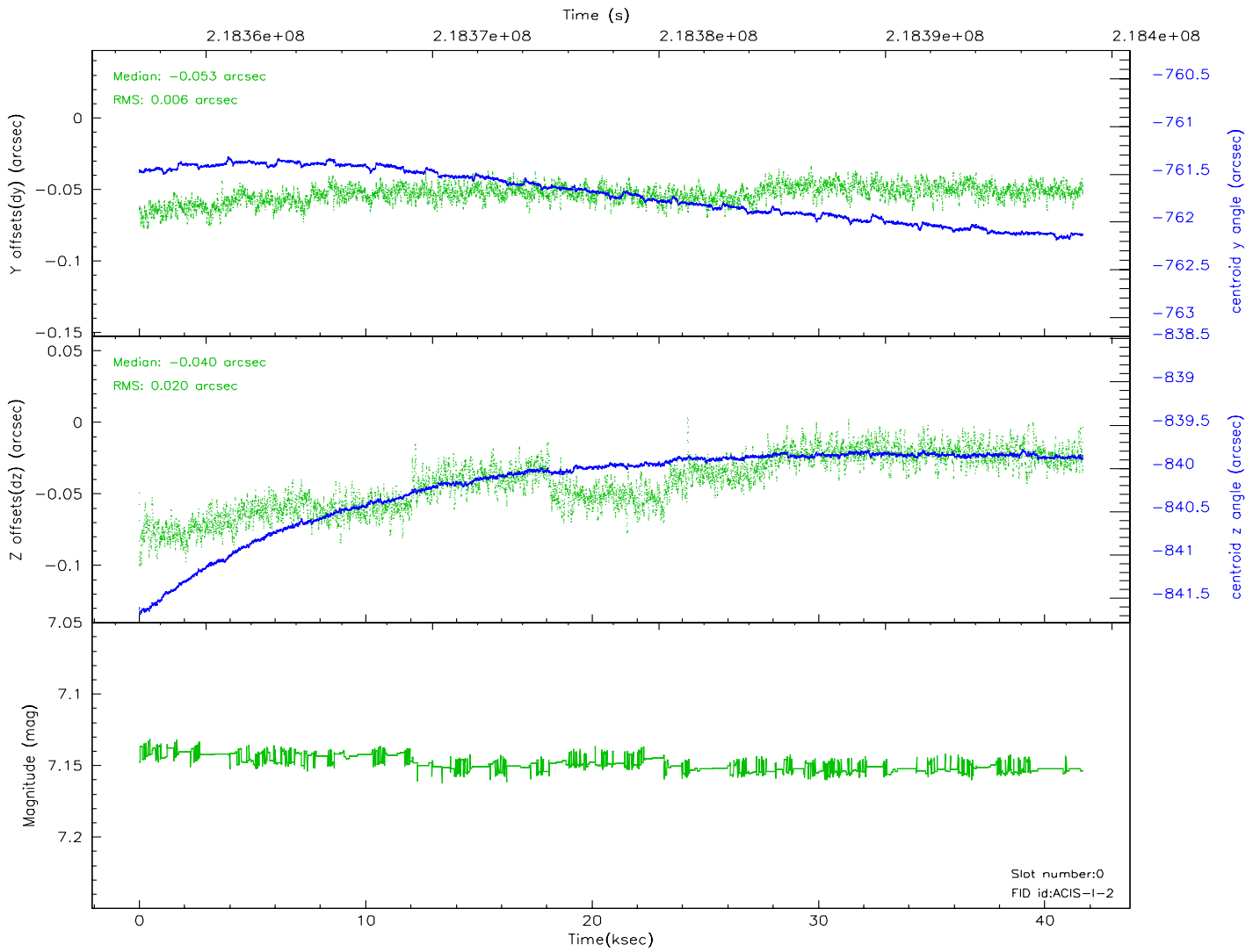
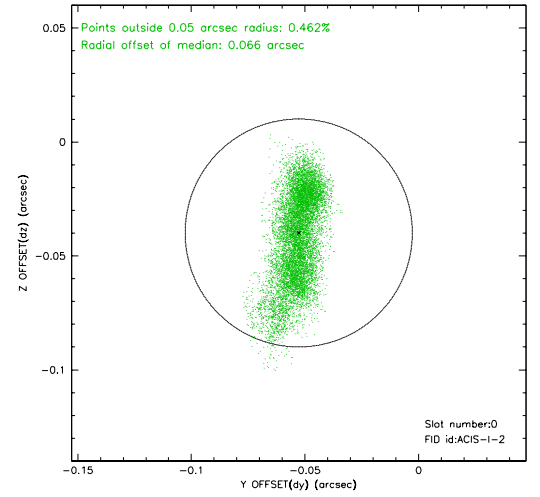
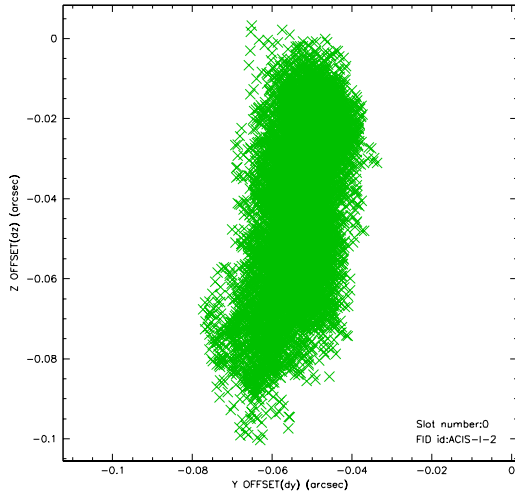


2.4.5 Slot 7

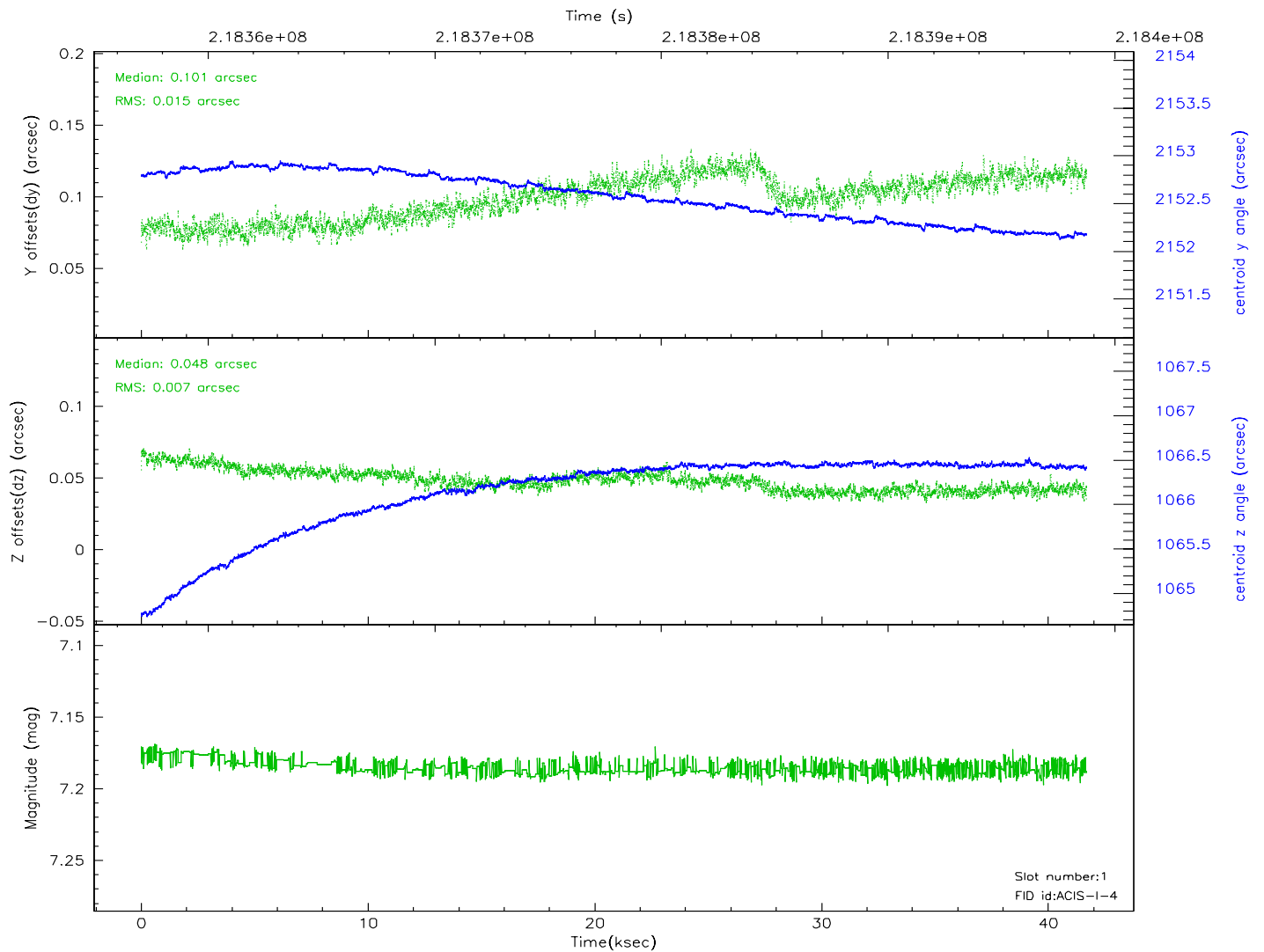
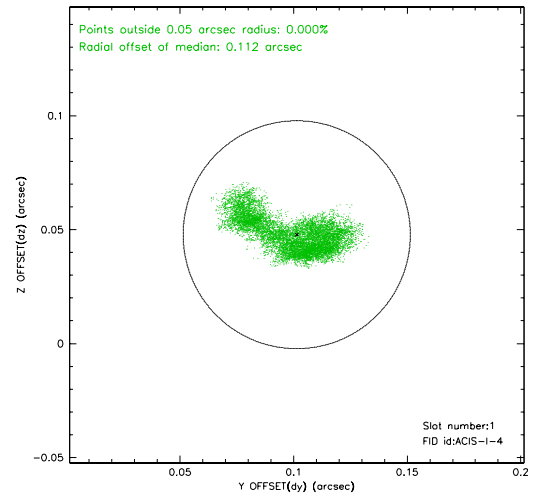
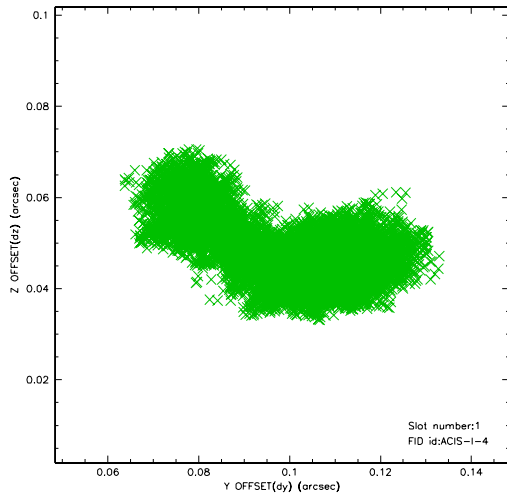


2.5 FID Slots

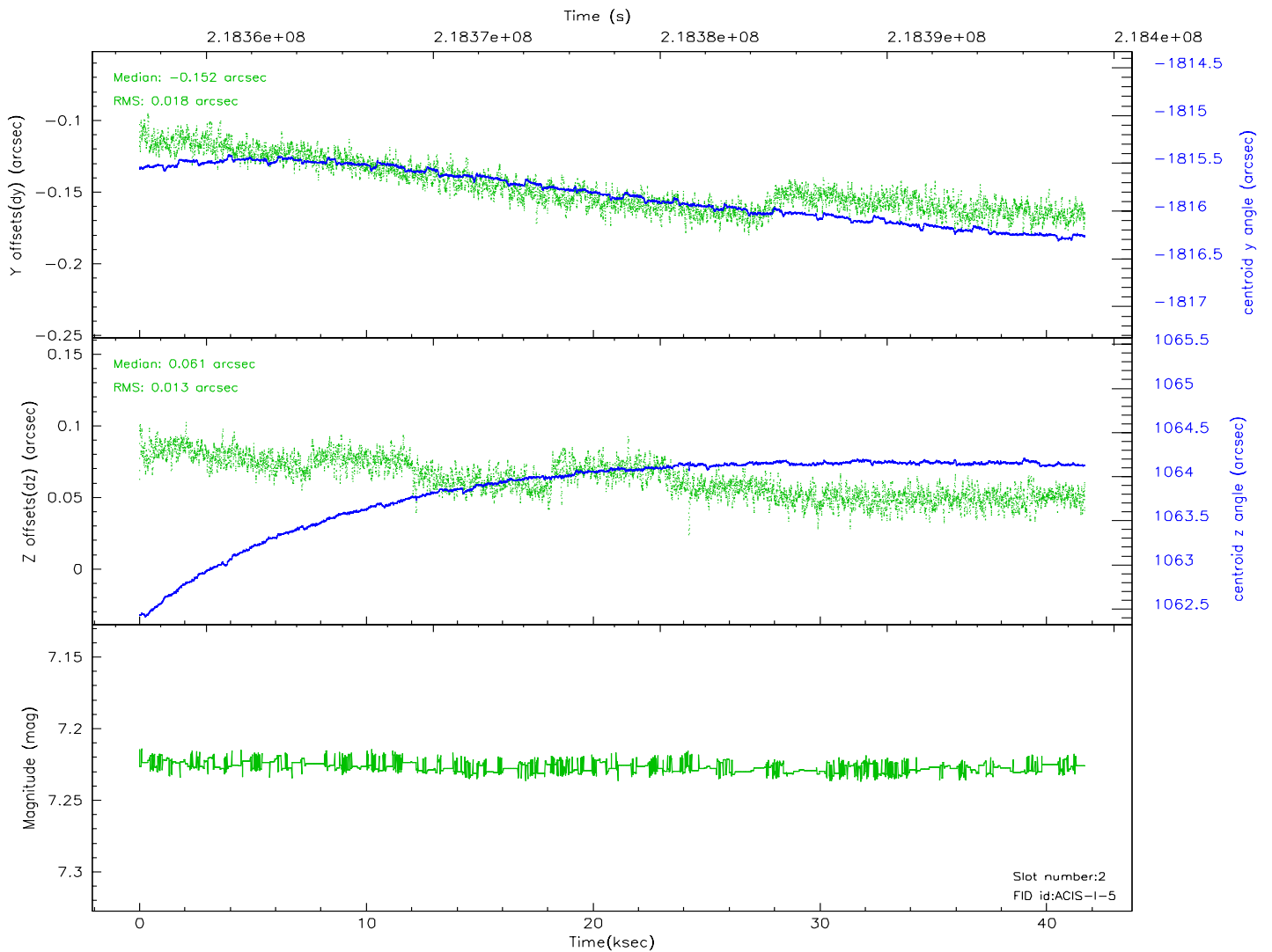
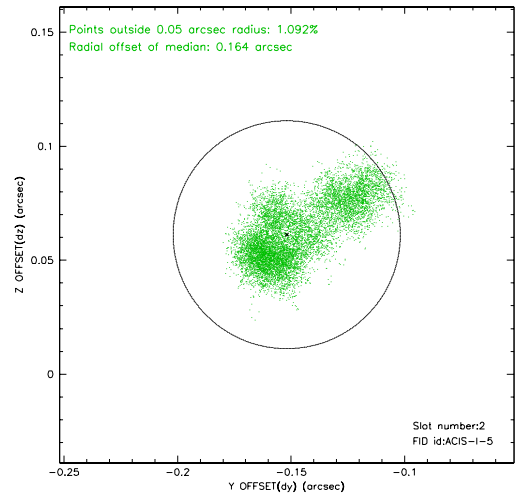
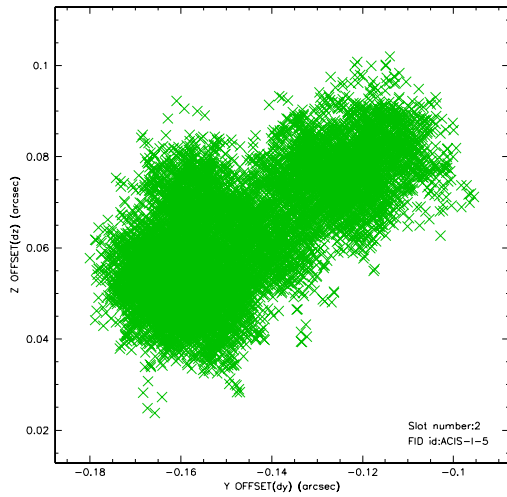
2.5.1 Slot 0



2.5.2 Slot 1

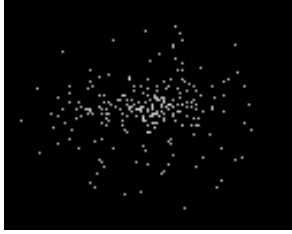


2.5.3 Slot 2



3 Point Sources

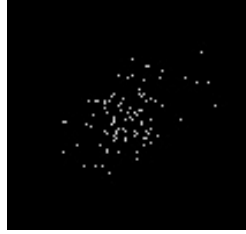
7.37 arcmin



7.03 arcmin



4.20 arcmin



5.09 arcmin



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	41.63187

A.2 Comments

Focal plane temperature rises during observation and is elevated during final ~10 ksec.