

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 7267 - L2 Version 2
Chandra X-Ray Center

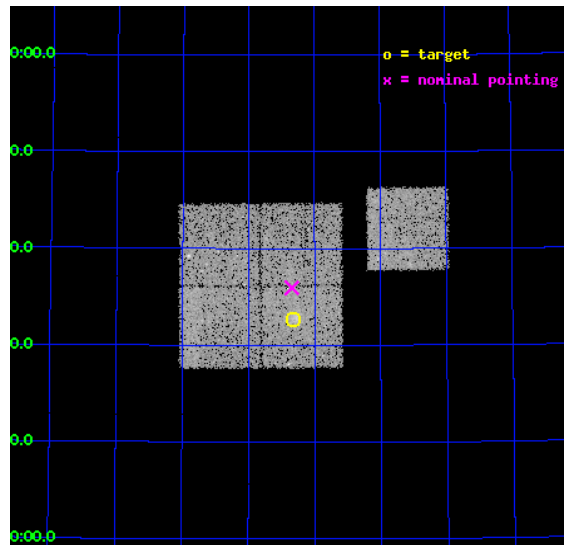
L2 Processing Date : Mar 24 2012

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
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

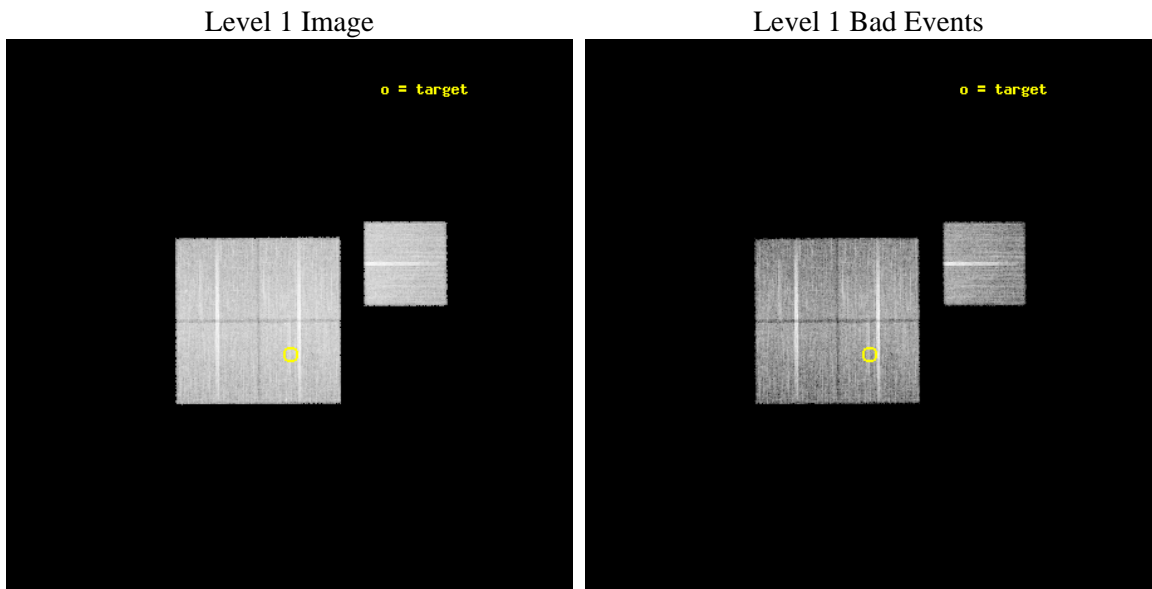
seq_num	800476	Sequence number
obs_id	7267	Observation id
title	DARK ENERGY WITH X-RAY CLUSTERS: CHANDRA OBSERVATIONS OF 41 HIGH-REDSHIFT CLUSTERS FROM THE 400 deg^2 ROSAT PSPC SURVEY	Proposal titl
observer	Dr. Alexey Vikhlinin	Principal investigator
object	cl1357+6232	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	209.330833	Observer's specified target RA [deg]
dec_targ	62.545	Observer's specified target Dec [deg]
ra_nom	209.33576563887	Nominal RA [deg]
dec_nom	62.599249330462	Nominal Dec [deg]
roll_nom	89.704288118385	Nominal Roll [deg]
revision	2	Processing version of data
ontime	18451.199964494	Sum of GTIs [s]
livetime	18210.121453382	Livetime [s]
ontime0	18441.777033716	Sum of GTIs [s]
ontime1	18451.199964494	Sum of GTIs [s]
ontime2	18448.059014142	Sum of GTIs [s]
ontime3	18451.199964494	Sum of GTIs [s]
ontime6	18451.199964494	Sum of GTIs [s]
l2events	55250	Number of level 2 events



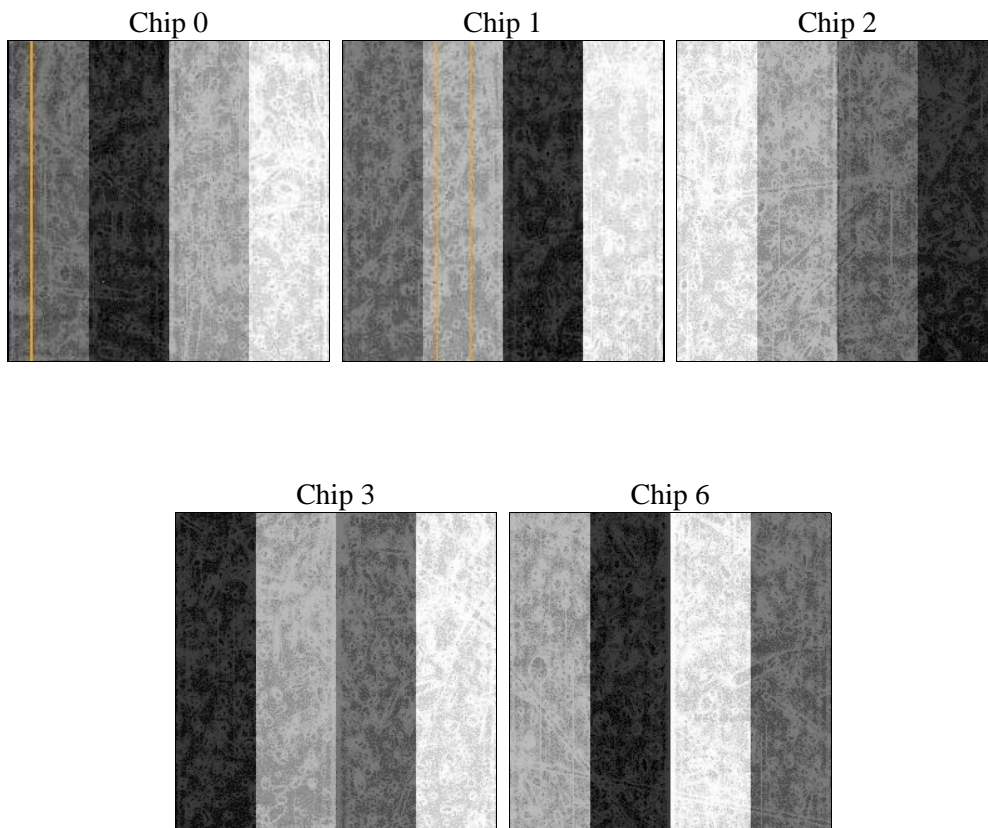
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	18300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	18451.199964494	Sum of GTIs [s]
caldbver	4.4.8	 	ontime0	18441.777033716	Sum of GTIs [s]
date	2012-03-24T06:33:50	Date and time of file creation	ontime1	18451.199964494	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	18448.059014142	Sum of GTIs [s]
			ontime3	18451.199964494	Sum of GTIs [s]
			ontime6	18451.199964494	Sum of GTIs [s]
			l1events	645376	Number of level 1 events

2.1.4 Events

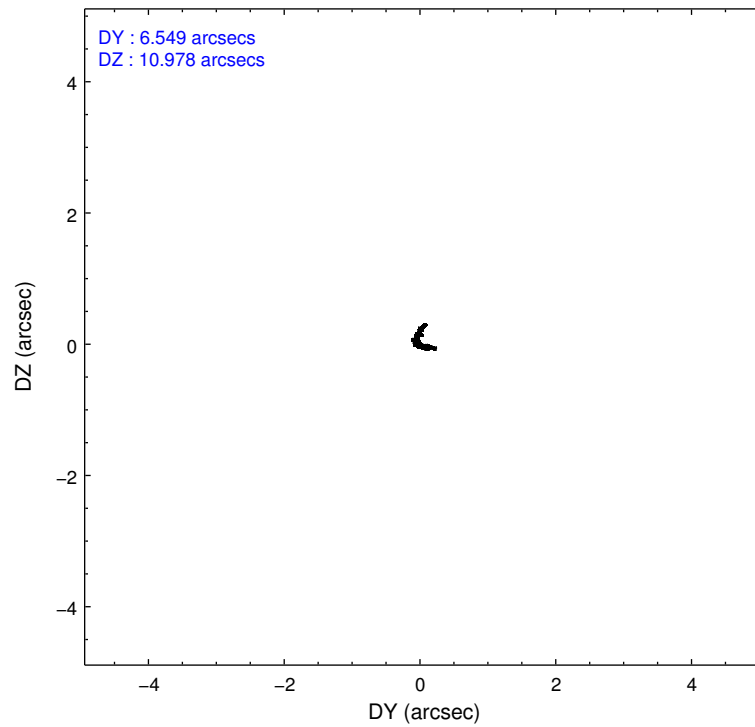
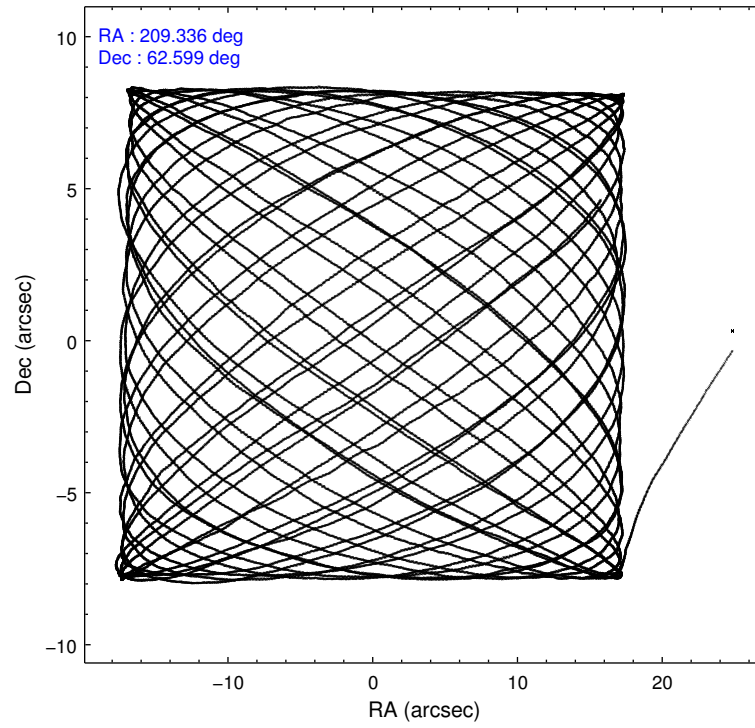
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	120950	119385	142743	130644	131654
rejected events	108220	105093	129986	117625	118242
rejected %	89%	88%	91%	90%	89%

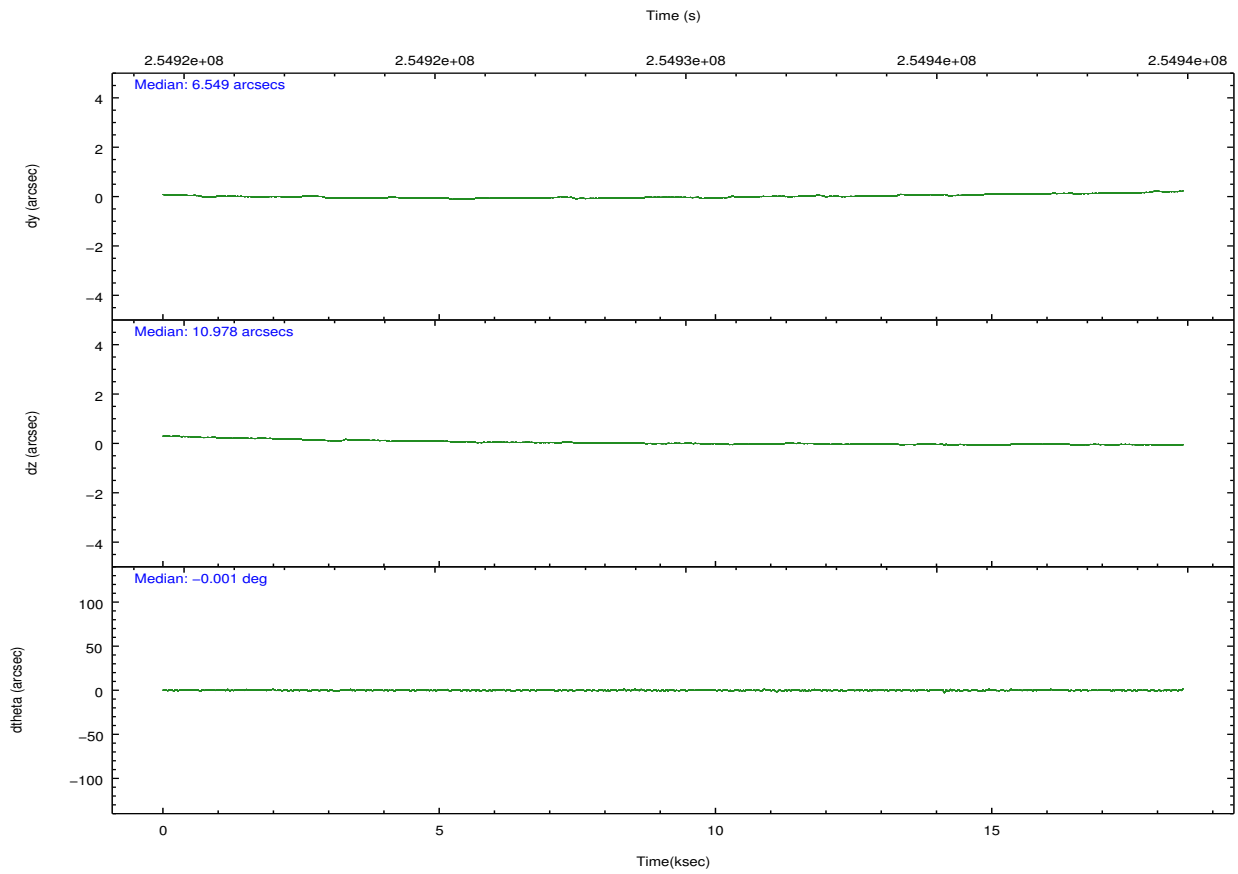
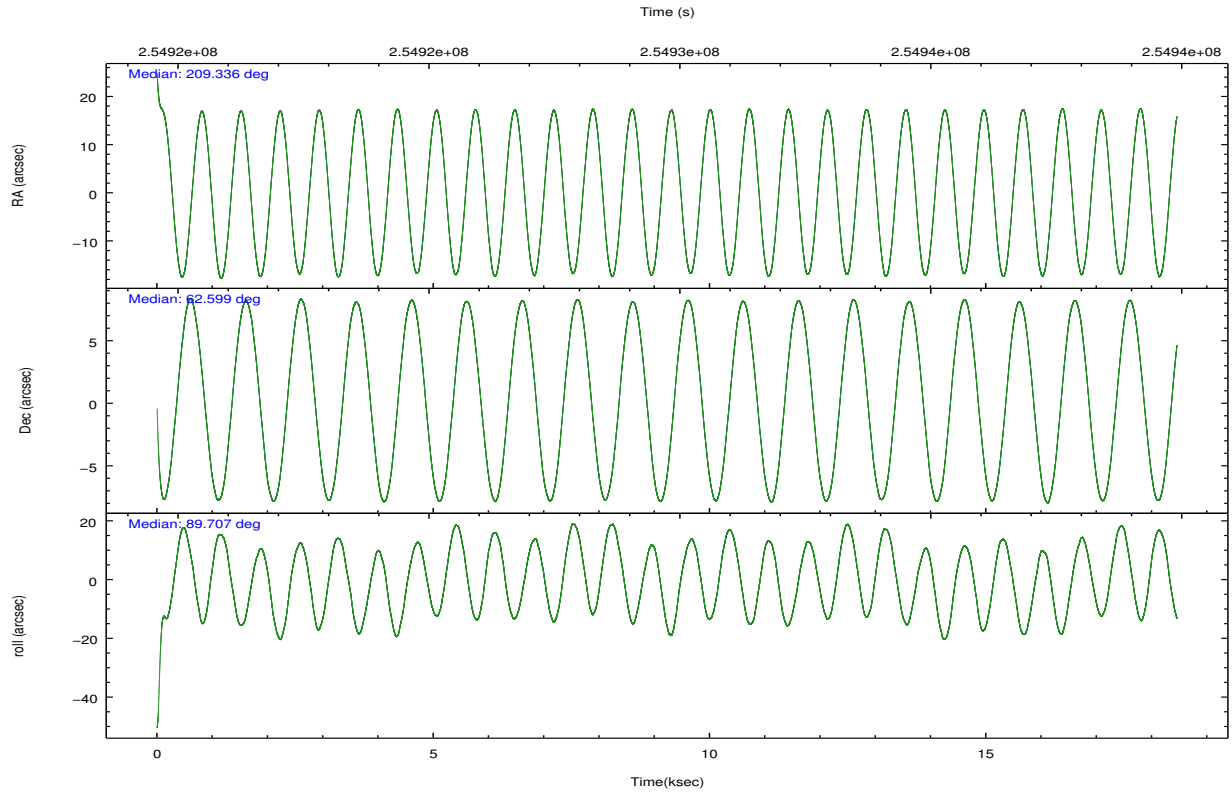
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	4642	5260	4710	5077	4813
	3%	4%	3%	3%	3%
grade 1 events	83	67	66	69	57
	0%	0%	0%	0%	0%
grade 2 events	3113	3252	3073	2799	2909
	2%	2%	2%	2%	2%
grade 3 events	1510	1612	1422	1434	1517
	1%	1%	0%	1%	1%
grade 4 events	1329	1566	1395	1413	1496
	1%	1%	0%	1%	1%
grade 5 events	4368	4893	4164	5284	5214
	3%	4%	2%	4%	3%
grade 6 events	2336	2816	2353	2494	2892
	1%	2%	1%	1%	2%
grade 7 events	103569	99919	125560	112074	112756
	85%	83%	87%	85%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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
[deg] Pointing RA	209.365440	209.3357656388681	Subarray requested	NONE	NONE
[deg] Pointing Dec	62.575516	62.5992493304623	Alternating exposures requested	N	N
[deg] Pointing Roll	89.469287	89.70428811838531	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-225.840463	-225.8433433320239			
[mm] SIM translation stage offset	-7.752	-7.749109670905796			
[s] Observation start time (MET)	254920674.184000	254919551.90491			
Observation start date	2006-01-29T11:16:49	2006-01-29T10:59:11			
[s] Observation end time (MET)	254938974.184000	254939525.05584			
Observation end date	2006-01-29T16:21:49	2006-01-29T16:32:05			
Read mode	TIMED	TIMED			

2.3 Aspect



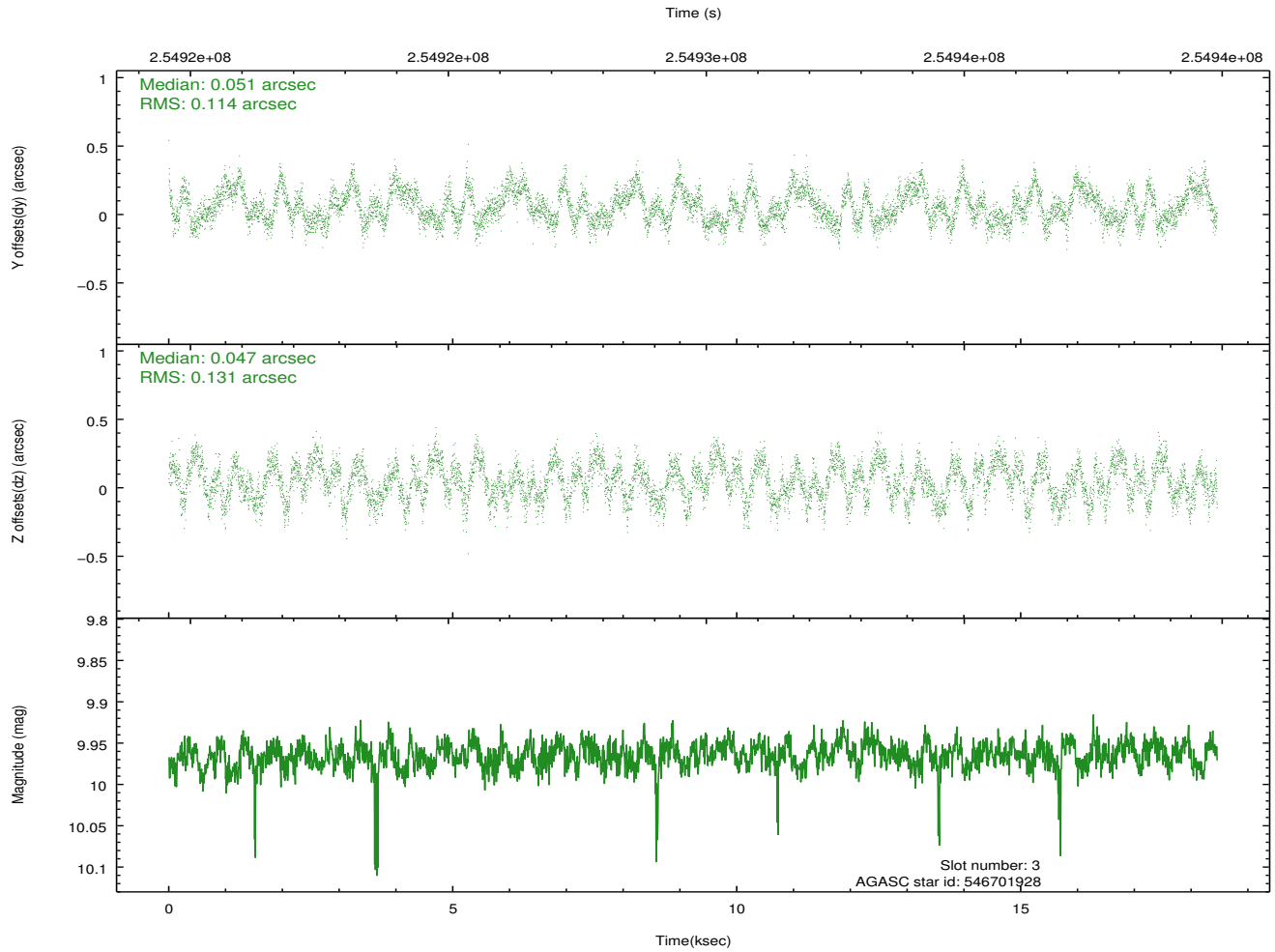
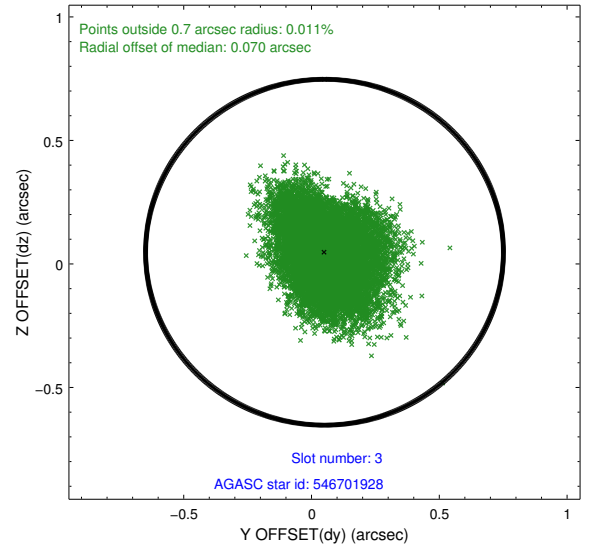
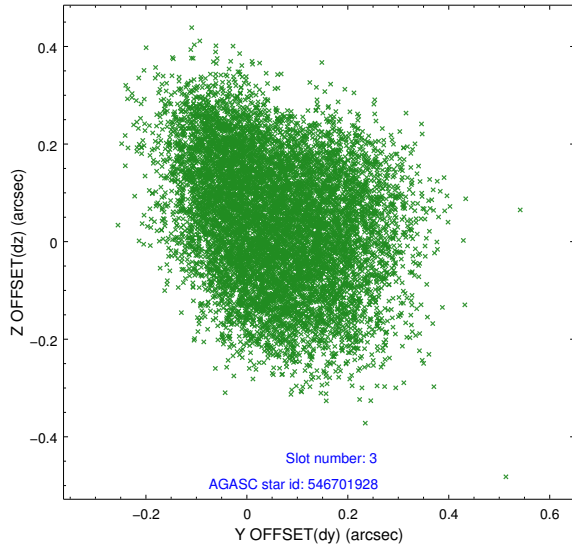


Slot Statistics

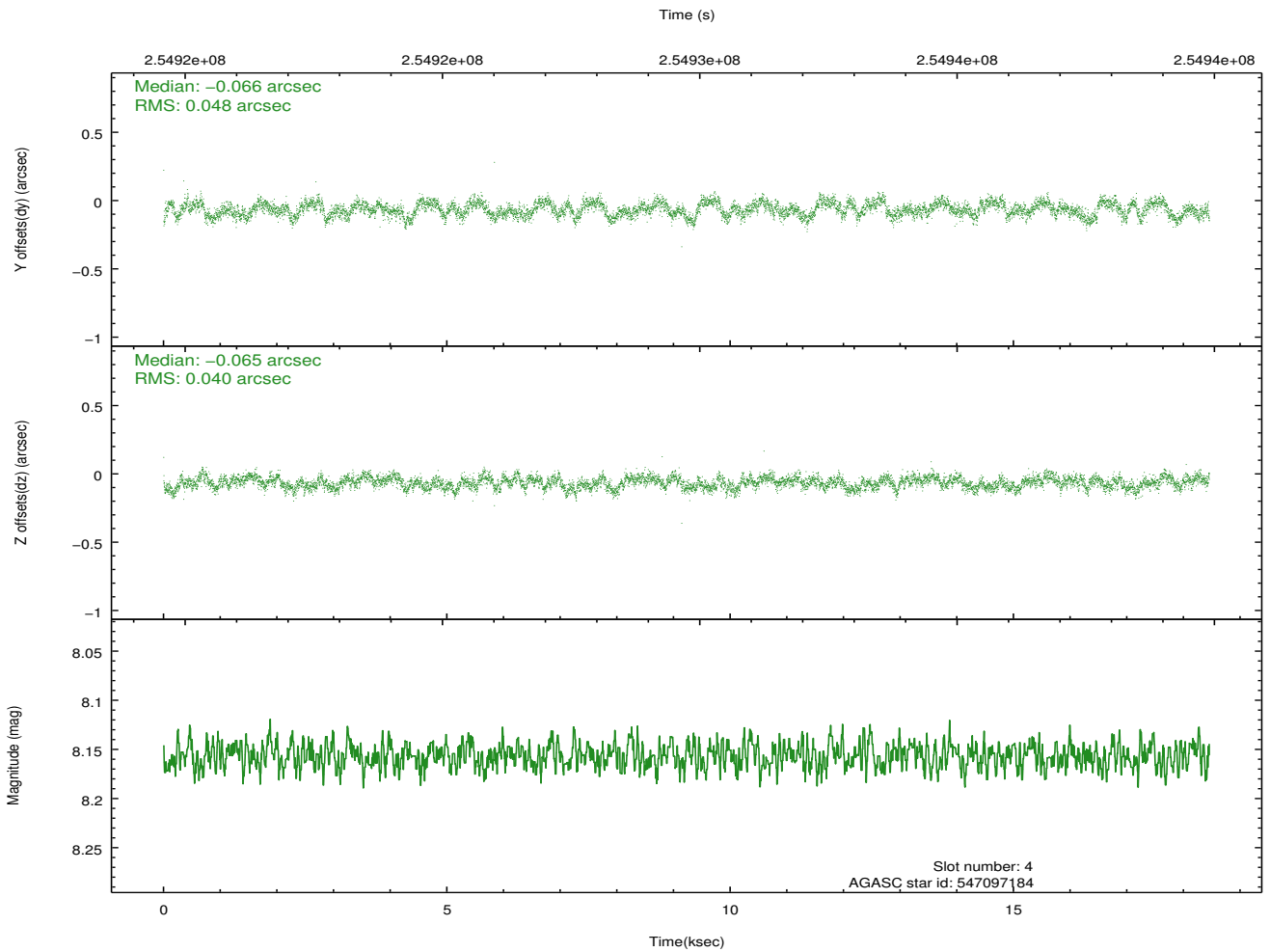
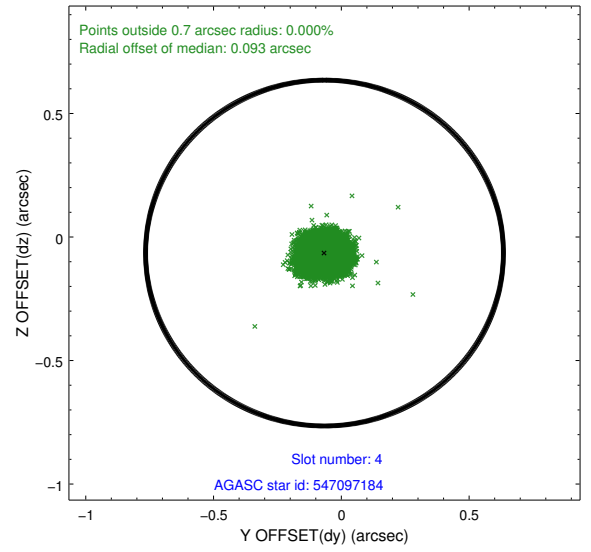
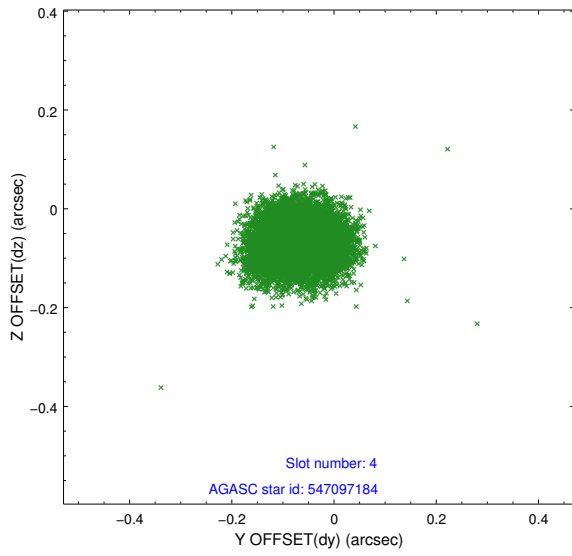
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	4502	0.133	-0.135	0.007	0.013	0.000000	0.000000	933.09	-993.75
1	FID	ACIS-I-5	7.22	4502	-0.239	0.113	0.007	0.011	0.000000	0.000000	-1815.22	903.91
2	FID	ACIS-I-6	7.25	4502	0.015	0.093	0.008	0.014	0.000000	0.000000	398.34	1548.59
3	GUIDE	546701928	9.96	8997	0.051	0.047	0.187	0.287	208.434731	62.460629	-416.85	1545.32
4	GUIDE	547097184	8.16	9001	-0.066	-0.065	0.067	0.104	208.939860	63.149888	2064.02	711.65
5	GUIDE	547100152	7.45	9004	-0.001	-0.126	0.065	0.103	209.266185	62.792313	779.56	171.08
6	GUIDE	547102216	8.99	8999	-0.066	0.079	0.075	0.122	208.623896	62.904596	1180.56	1227.06
7	GUIDE	547102544	10.02	8990	0.083	0.061	0.175	0.275	209.734827	62.868804	1063.44	-596.33

2.4 Star Slots

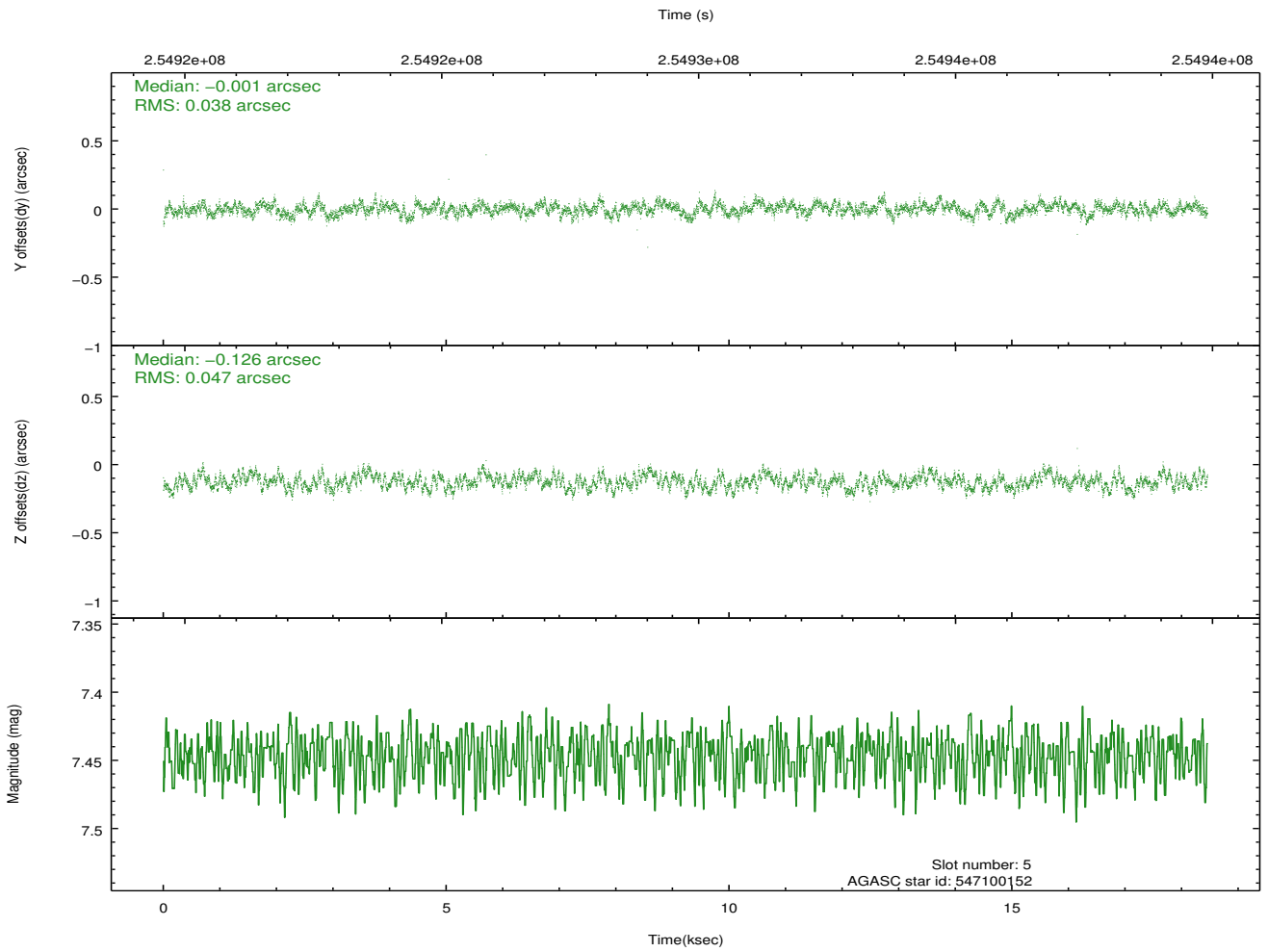
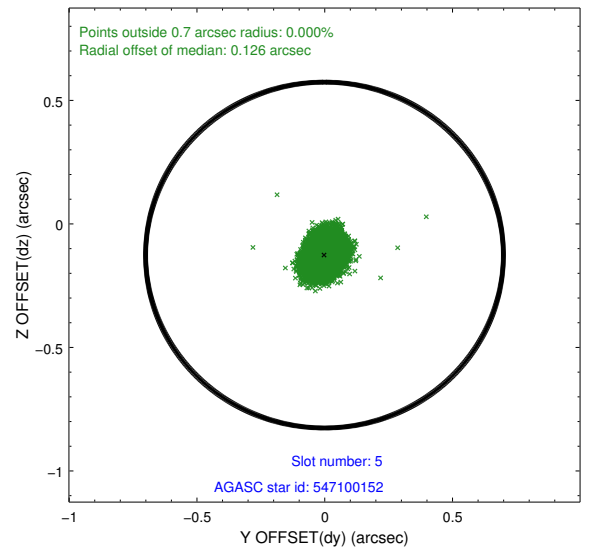
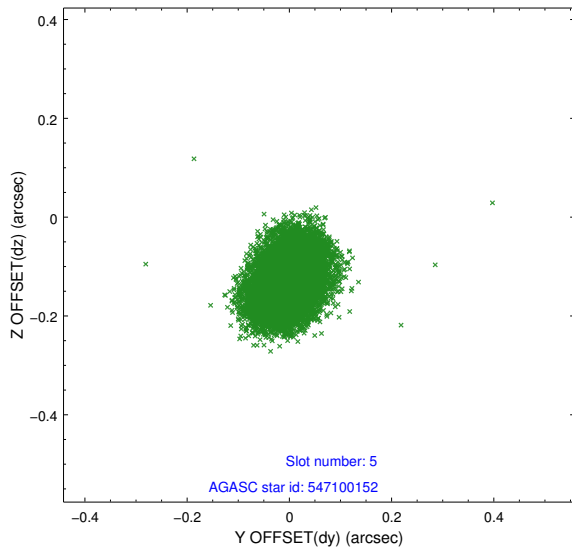
2.4.1 Slot 3



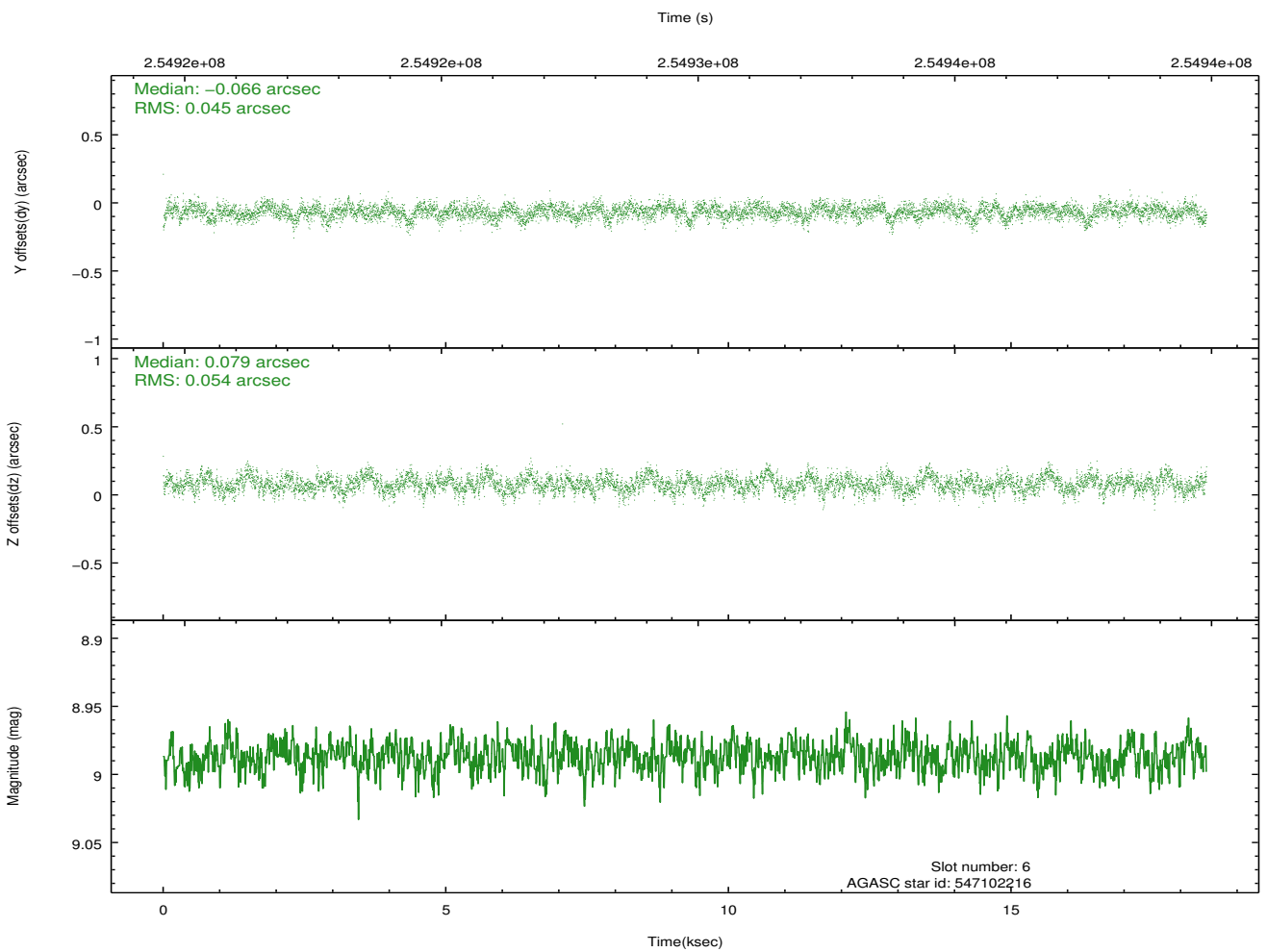
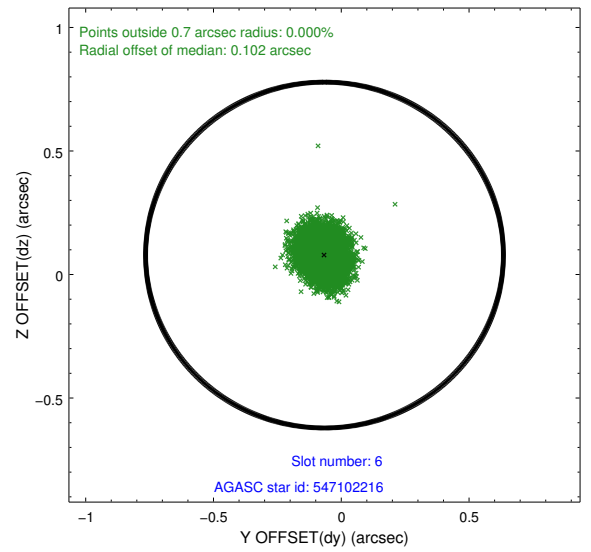
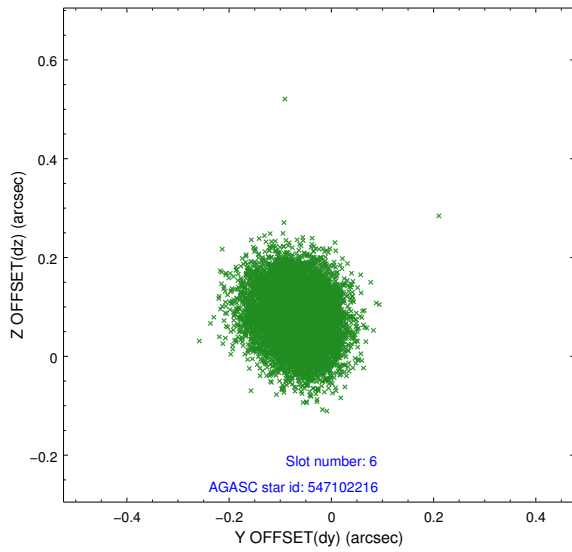
2.4.2 Slot 4



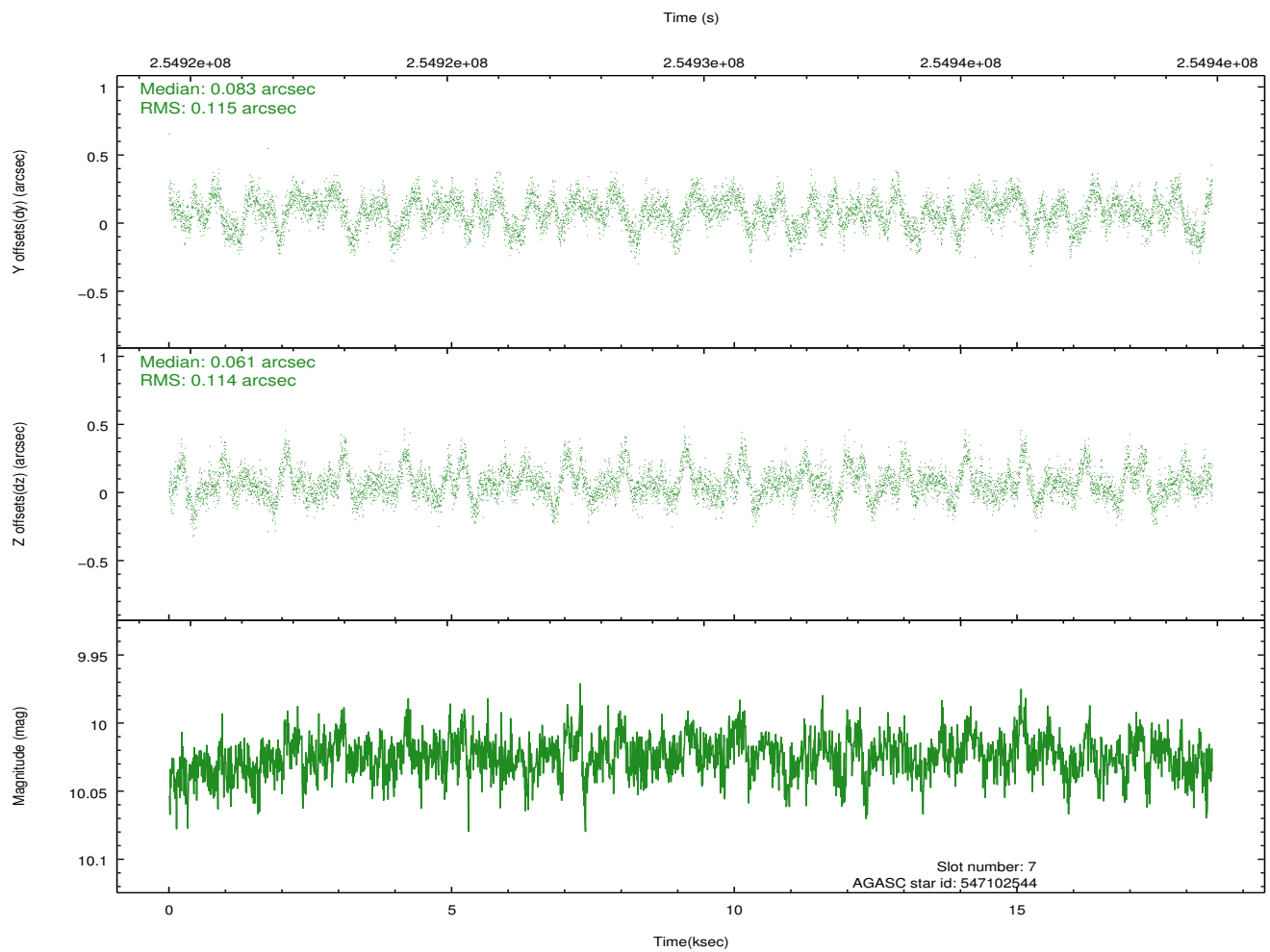
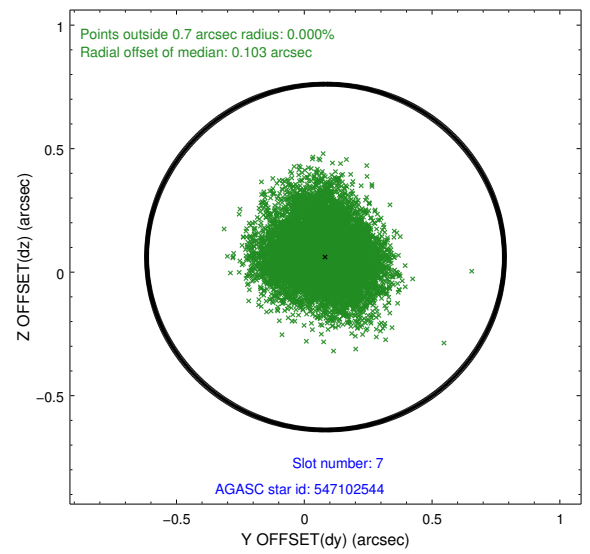
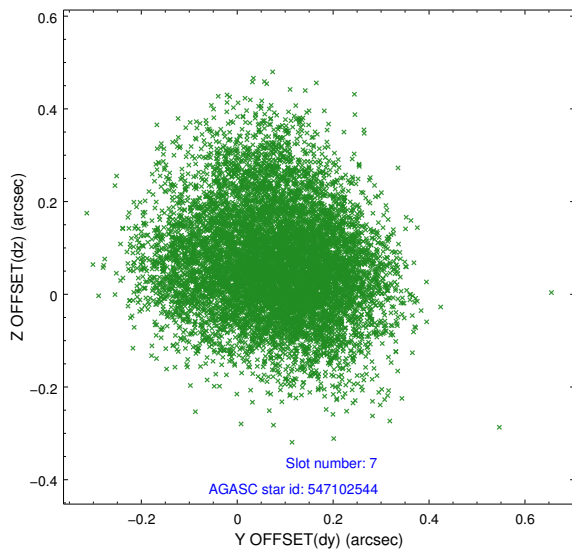
2.4.3 Slot 5



2.4.4 Slot 6

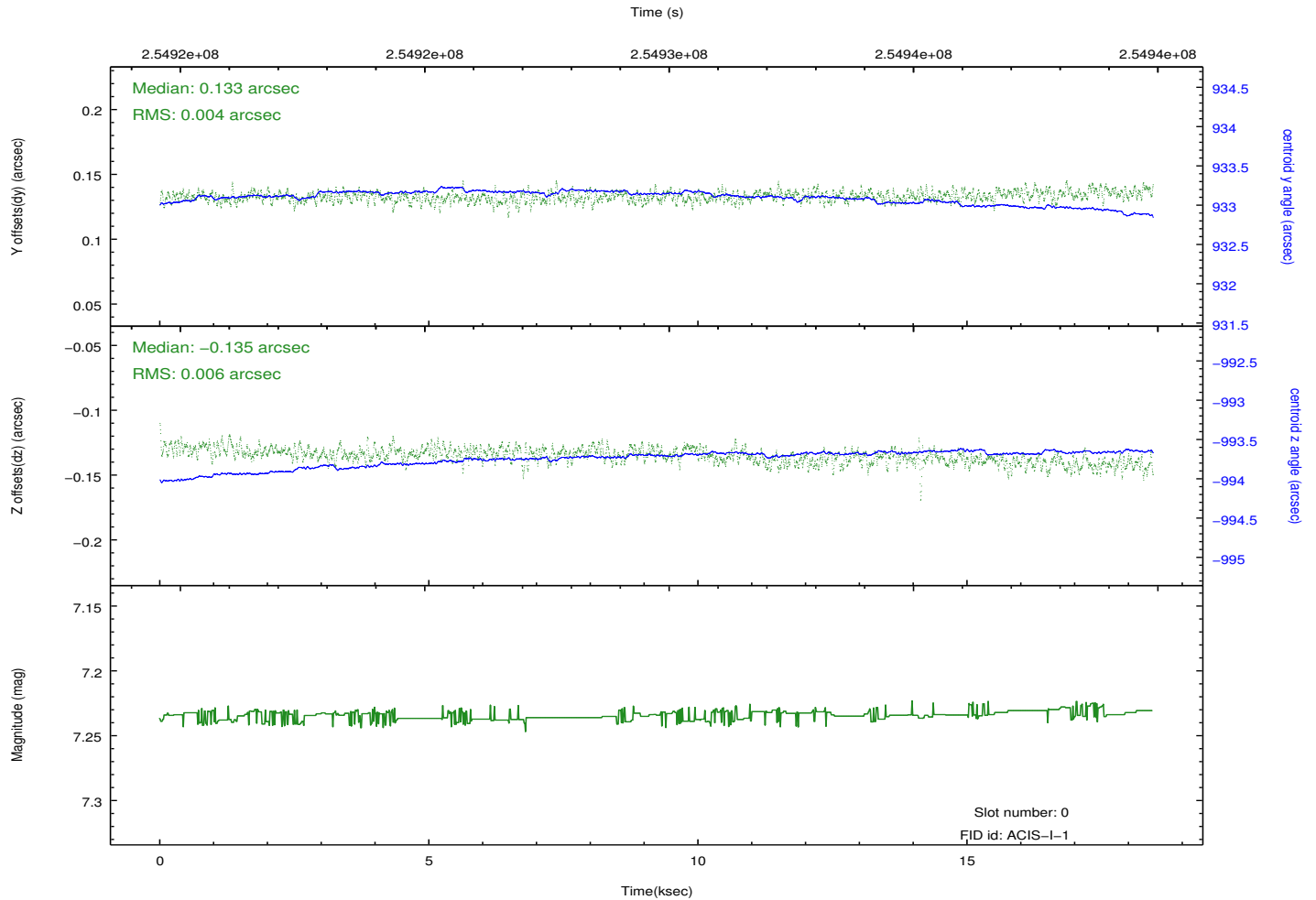
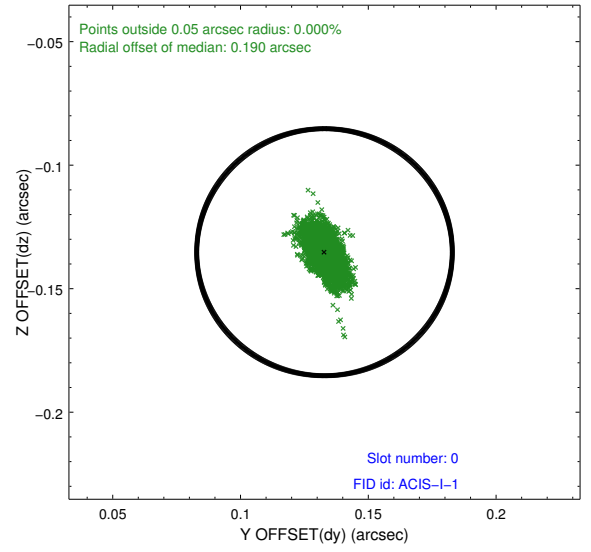
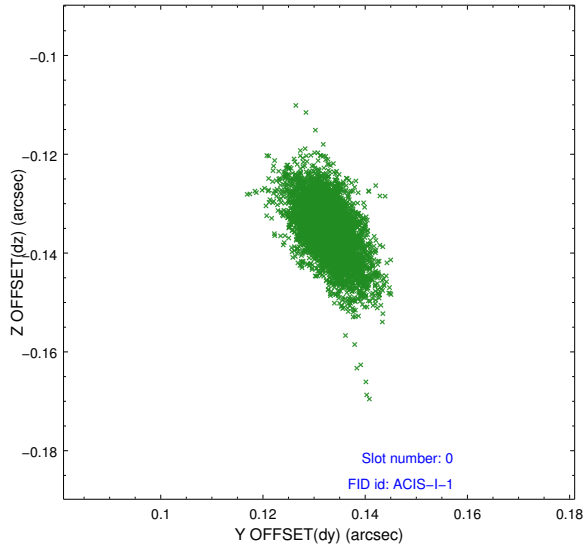


2.4.5 Slot 7

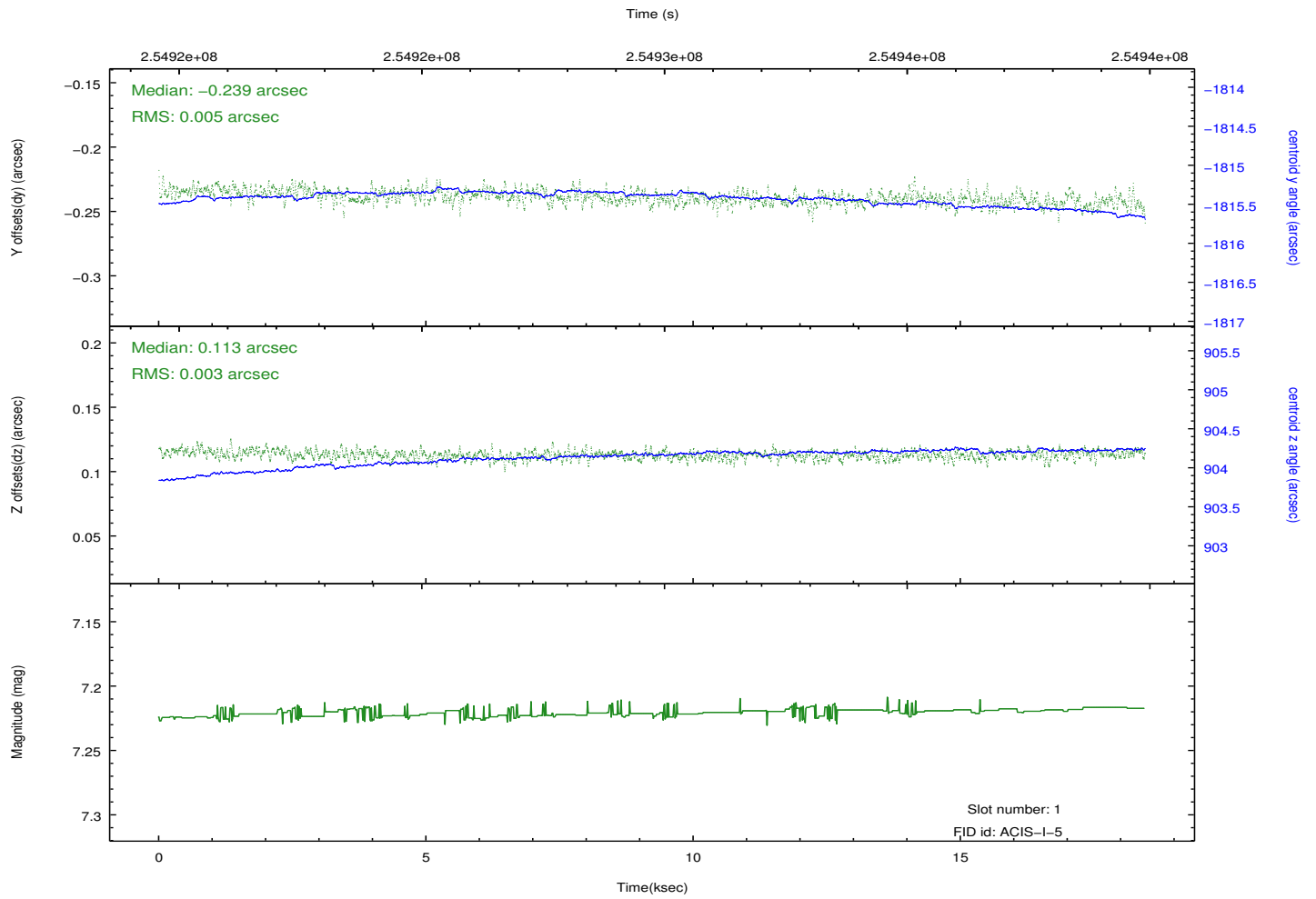
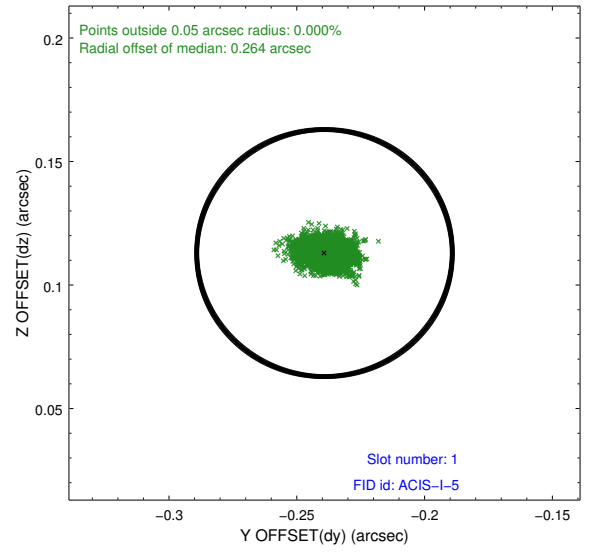
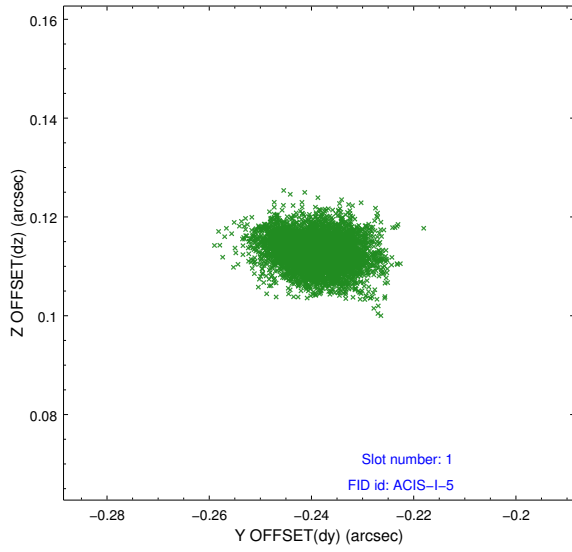


2.5 FID Slots

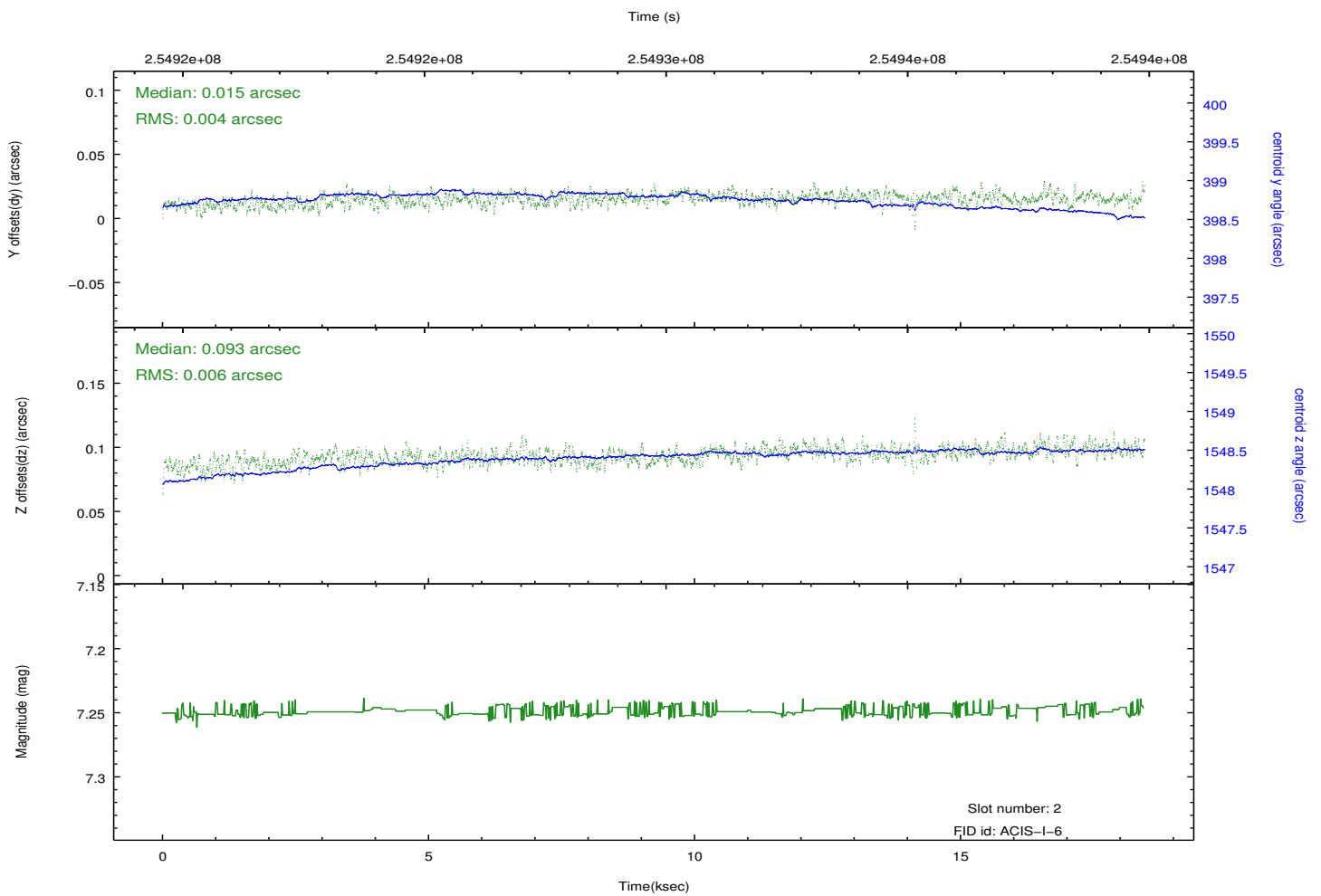
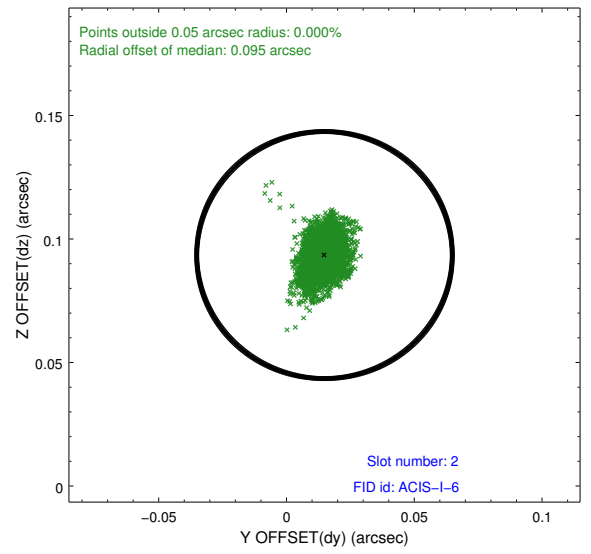
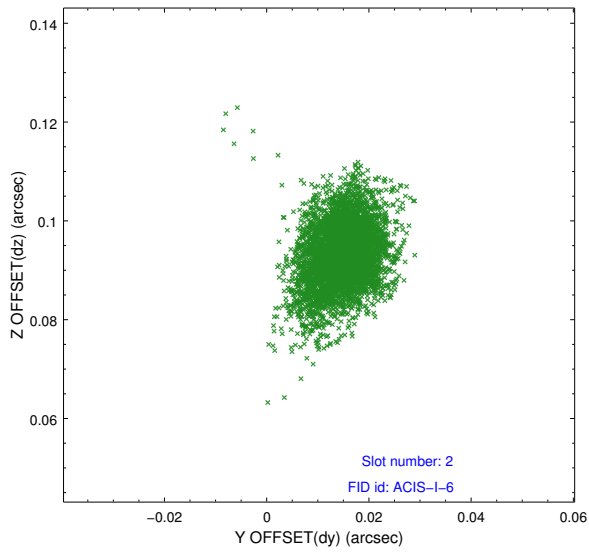
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.03.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.4511999

A.2 Comments