

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 5155 - L2 Version 3
Chandra X-Ray Center

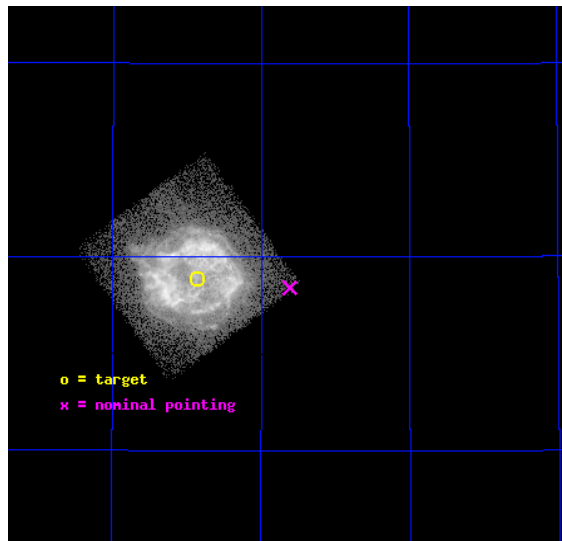
L2 Processing Date : Dec 10 2012

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1 Front

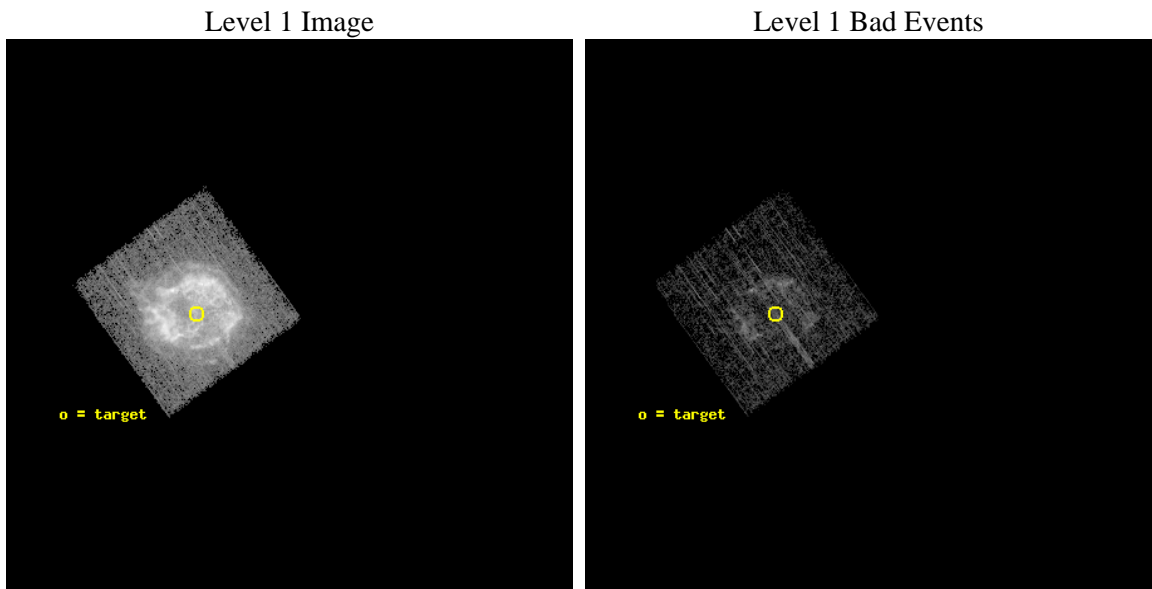
seq_num	590353	Sequence number
obs_id	5155	Observation id
title	AO5B Observations of the Standard Candles Cas A and G21.5-09	Propo
observer	Dr. CXC Calibration	Principal investigator
object	Cas A[I3,-120,-3.0,3.5,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	350.70181599963	Nominal RA [deg]
dec_nom	58.80691807329	Nominal Dec [deg]
roll_nom	233.8352125445	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1592.5413612425	Sum of GTIs [s]
livetime	1572.3756436132	Livetime [s]
ontime0	2182.3999918699	Sum of GTIs [s]
ontime1	2182.3999918699	Sum of GTIs [s]
ontime2	2182.3999918699	Sum of GTIs [s]
ontime3	1592.5413612425	Sum of GTIs [s]
ontime6	2182.3999918699	Sum of GTIs [s]
ontime7	2182.3999918699	Sum of GTIs [s]
l2events	332725	Number of level 2 events



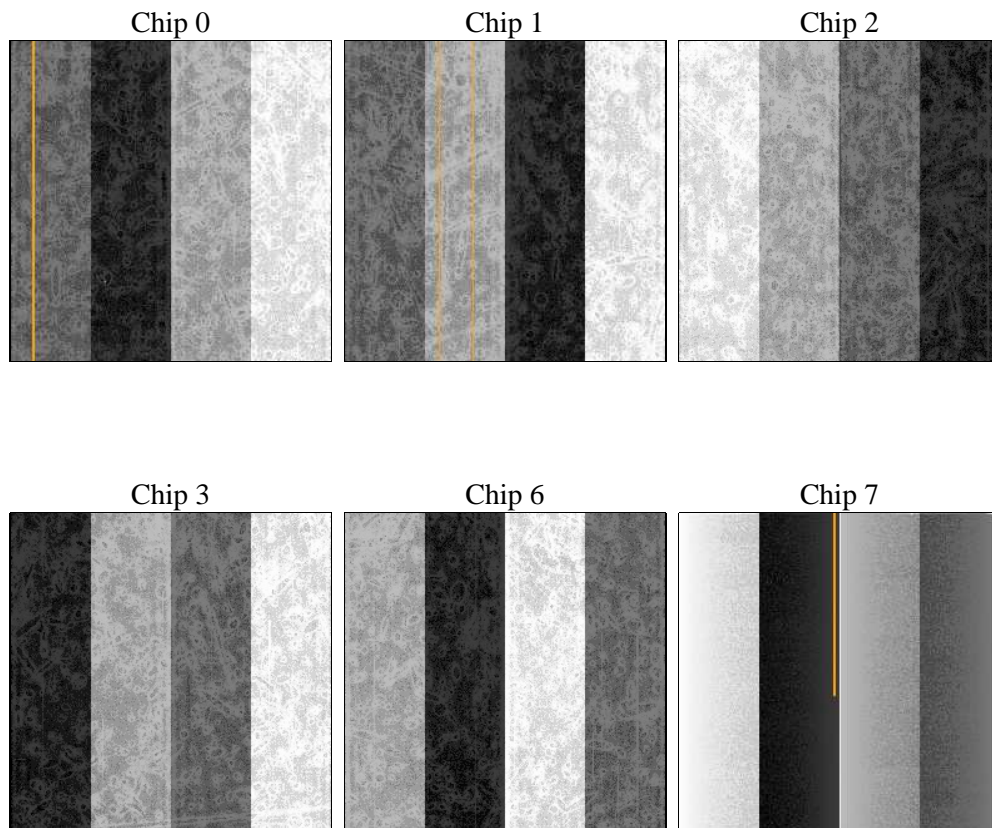
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	1592.5413612425	Sum of GTIs [s]
caldbver	4.5.4	 	ontime0	2182.3999918699	Sum of GTIs [s]
date	2012-12-10T11:51:26	Date and time of file creation	ontime1	2182.3999918699	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	2182.3999918699	Sum of GTIs [s]
			ontime3	1592.5413612425	Sum of GTIs [s]
			ontime6	2182.3999918699	Sum of GTIs [s]
			ontime7	2182.3999918699	Sum of GTIs [s]
			l1events	418759	Number of level 1 events

2.1.4 Events

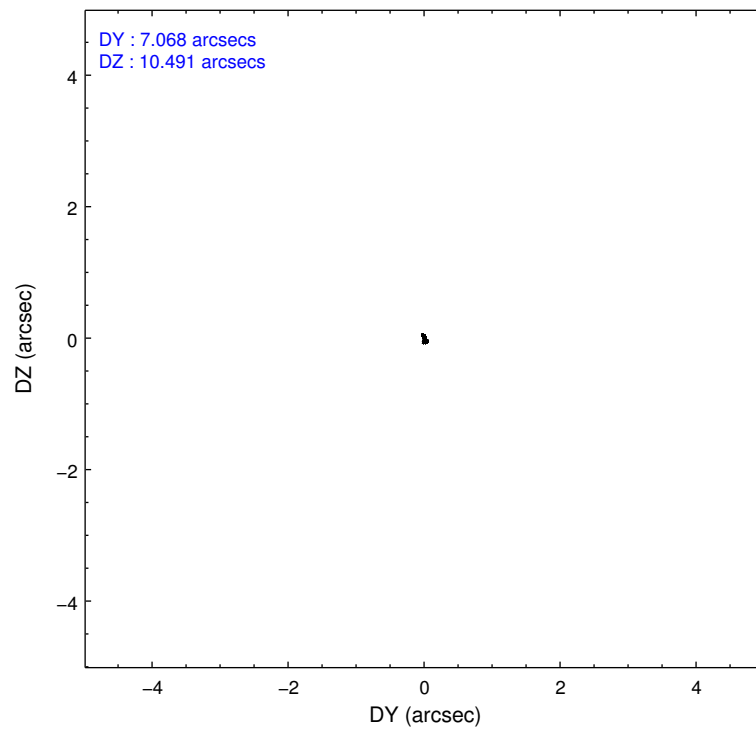
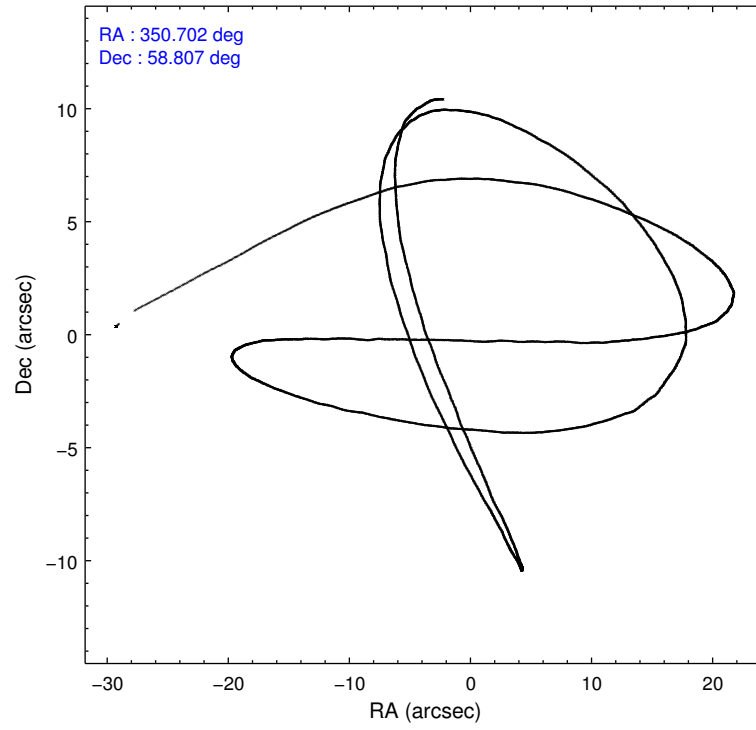
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	0	0	0	418759	0	0
rejected events	0	0	0	76064	0	0
rejected %	0%	0%	0%	18%	0%	0%

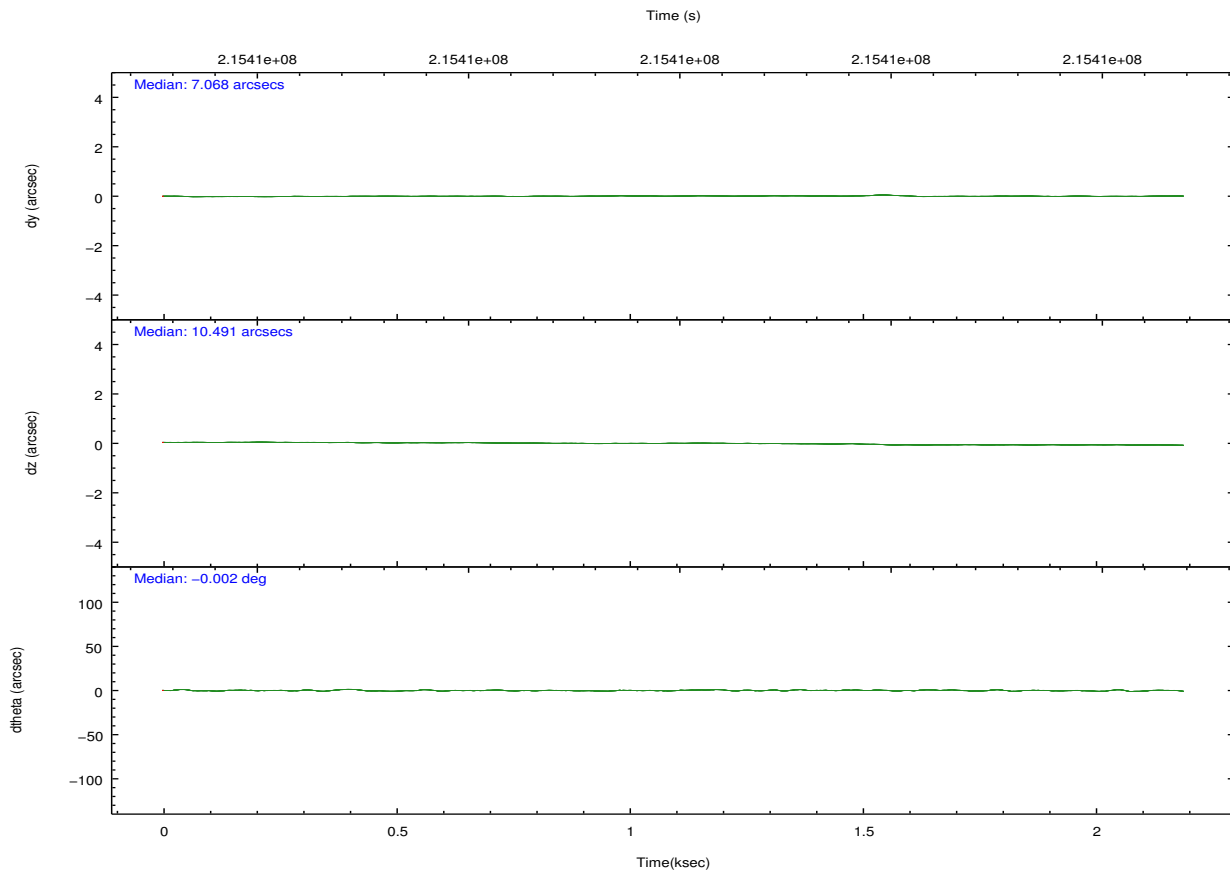
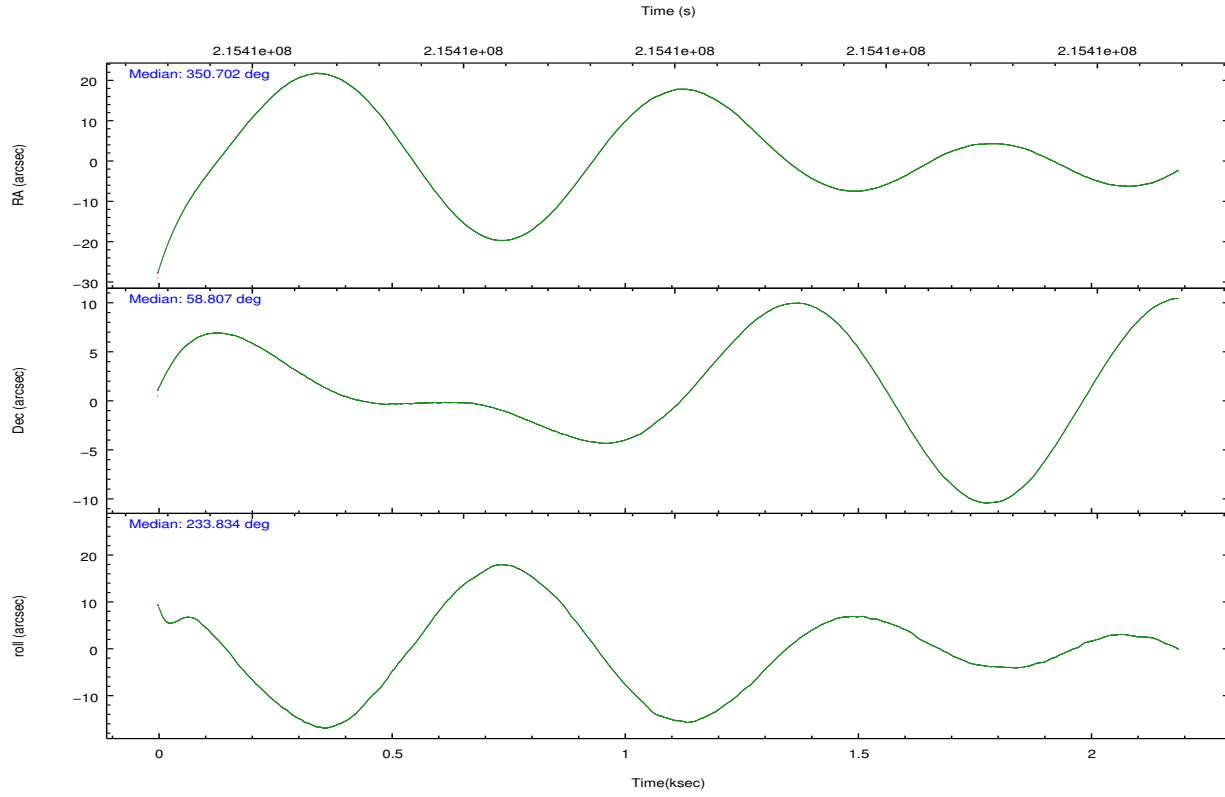
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	0	0	0	283672	0	0
	0%	0%	0%	67%	0%	0%
grade 1 events	0	0	0	4581	0	0
	0%	0%	0%	1%	0%	0%
grade 2 events	0	0	0	35973	0	0
	0%	0%	0%	8%	0%	0%
grade 3 events	0	0	0	11696	0	0
	0%	0%	0%	2%	0%	0%
grade 4 events	0	0	0	11733	0	0
	0%	0%	0%	2%	0%	0%
grade 5 events	0	0	0	3550	0	0
	0%	0%	0%	0%	0%	0%
grade 6 events	0	0	0	7924	0	0
	0%	0%	0%	1%	0%	0%
grade 7 events	0	0	0	59630	0	0
	0%	0%	0%	14%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	350.707316	350.701815999626	Subarray requested	NONE	NONE
[deg] Pointing Dec	58.834115	58.80691807329019	Alternating exposures requested	N	N
[deg] Pointing Roll	233.621887	233.8352125444959	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	212976064.184000	212976064.184000			
[s] Window stop time (MET)	215568064.184000	215568064.184000			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	215410074.184000	215408834.61411			
Observation start date	2004-10-29T04:06:50	2004-10-29T03:47:14			
[s] Observation end time (MET)	215412074.184000	215412224.28926			
Observation end date	2004-10-29T04:40:10	2004-10-29T04:43:44			
Read mode	TIMED	TIMED			

2.3 Aspect



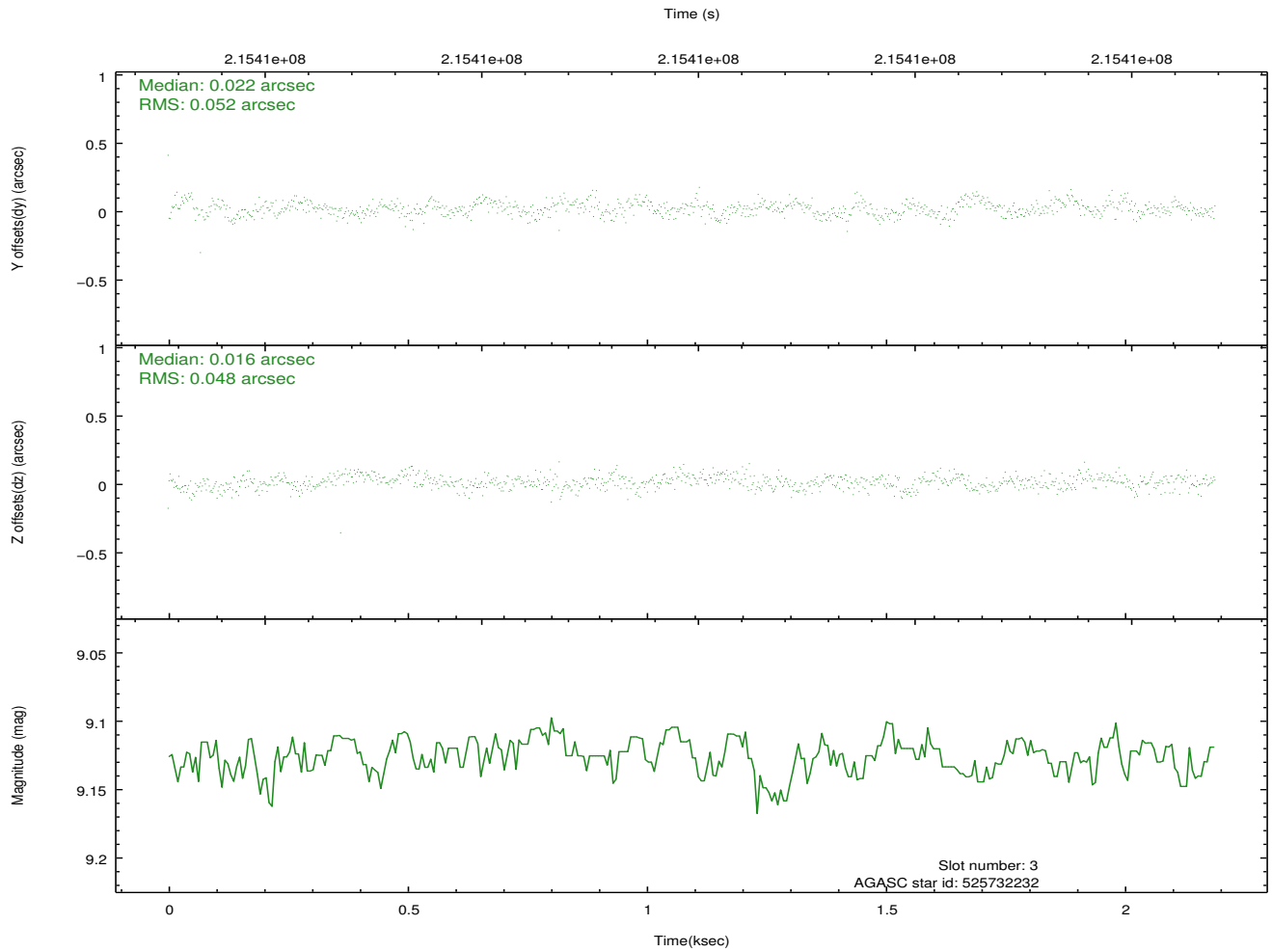
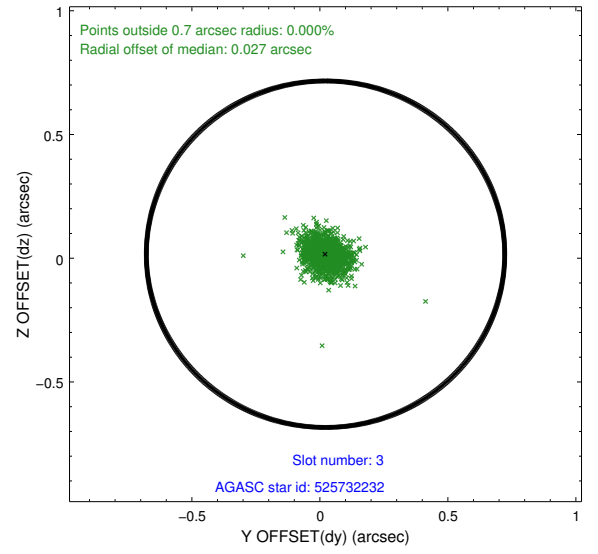
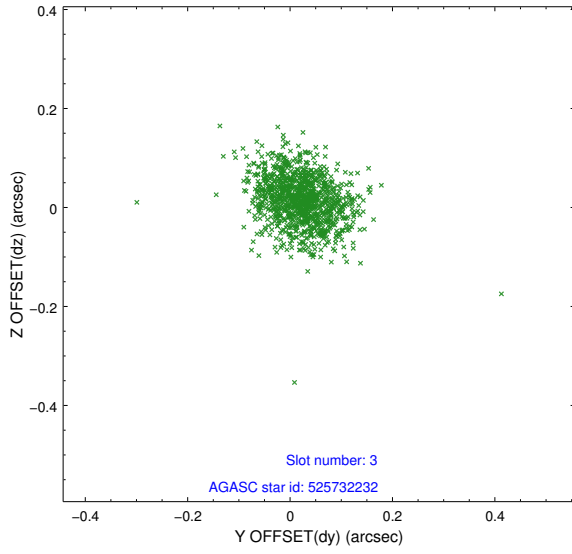


Slot Statistics

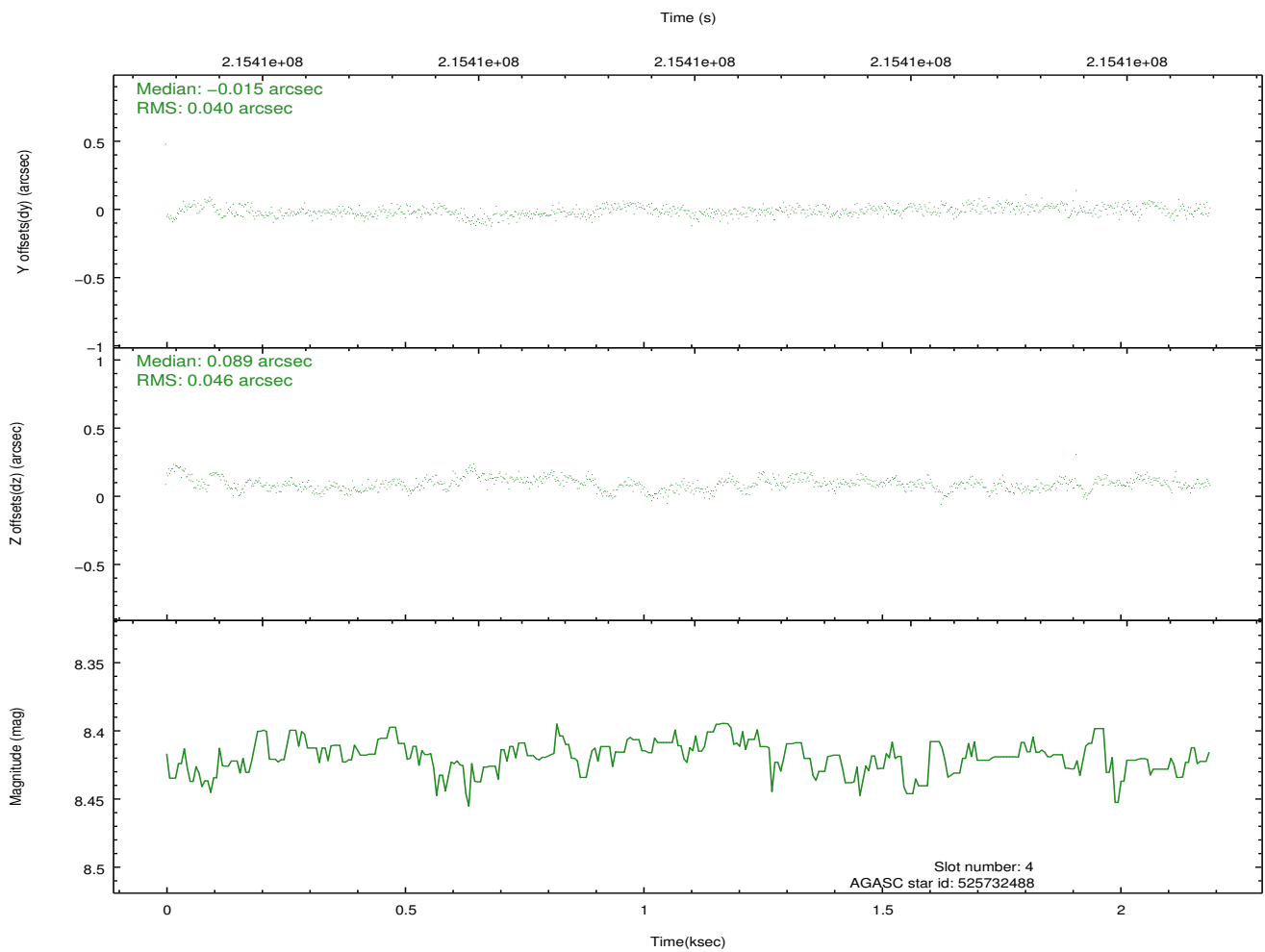
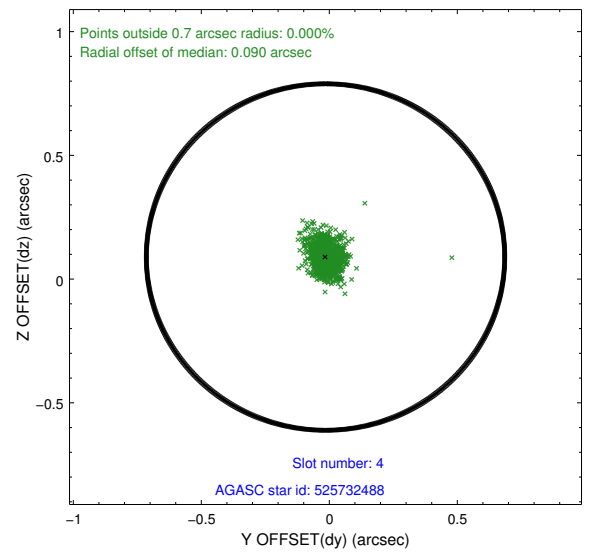
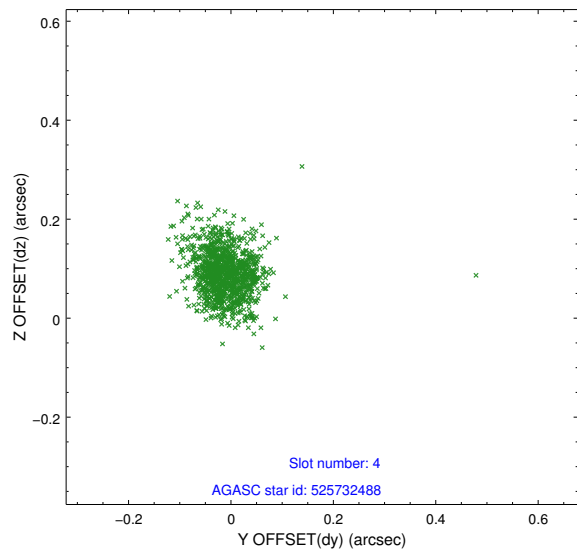
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	535	0.015	-0.005	0.006	0.010	0.000000	0.000000	932.62	-833.98
1	FID	ACIS-I-5	7.23	535	-0.159	0.032	0.006	0.010	0.000000	0.000000	-1813.99	1062.09
2	FID	ACIS-I-6	7.26	535	0.053	0.043	0.008	0.012	0.000000	0.000000	395.00	1709.95
3	GUIDE	525732232	9.13	1069	0.022	0.016	0.074	0.117	351.669550	58.757012	-852.05	1604.62
4	GUIDE	525732488	8.42	1068	-0.015	0.089	0.061	0.102	350.087090	58.516915	1606.19	-262.76
5	GUIDE	525735976	8.85	1068	-0.039	-0.103	0.070	0.110	350.142956	58.277622	2244.87	325.46
6	GUIDE	525736400	9.06	1066	-0.081	0.173	0.074	0.121	350.974563	59.175145	-1279.16	-331.09
7	GUIDE	525732528	9.35	1068	0.115	-0.178	0.086	0.140	351.607241	59.298932	-2337.88	332.40

2.4 Star Slots

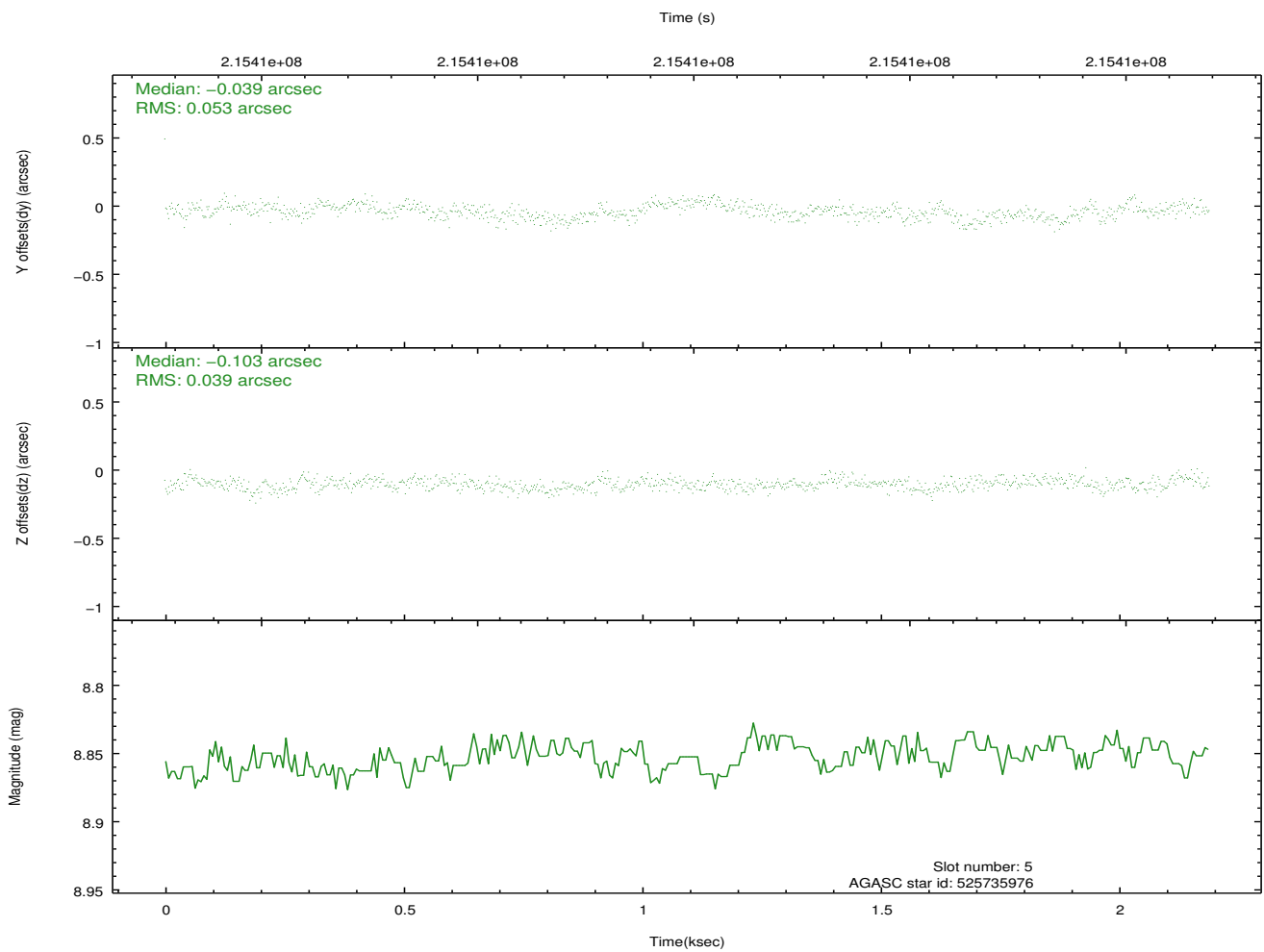
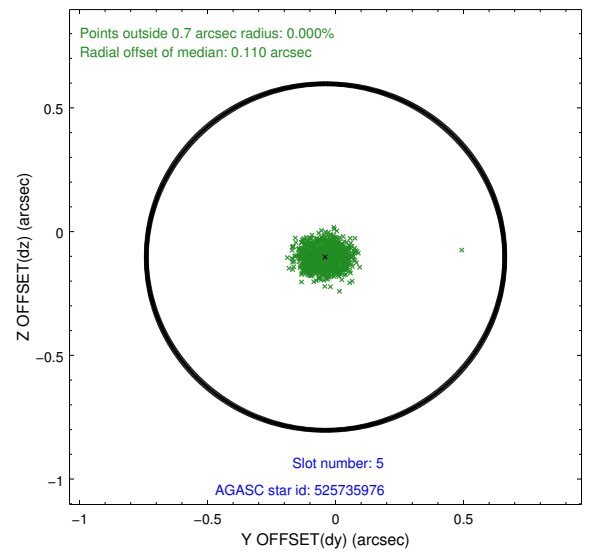
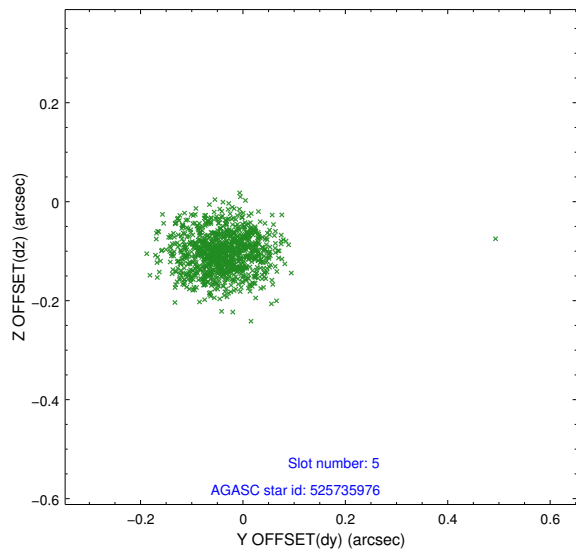
2.4.1 Slot 3



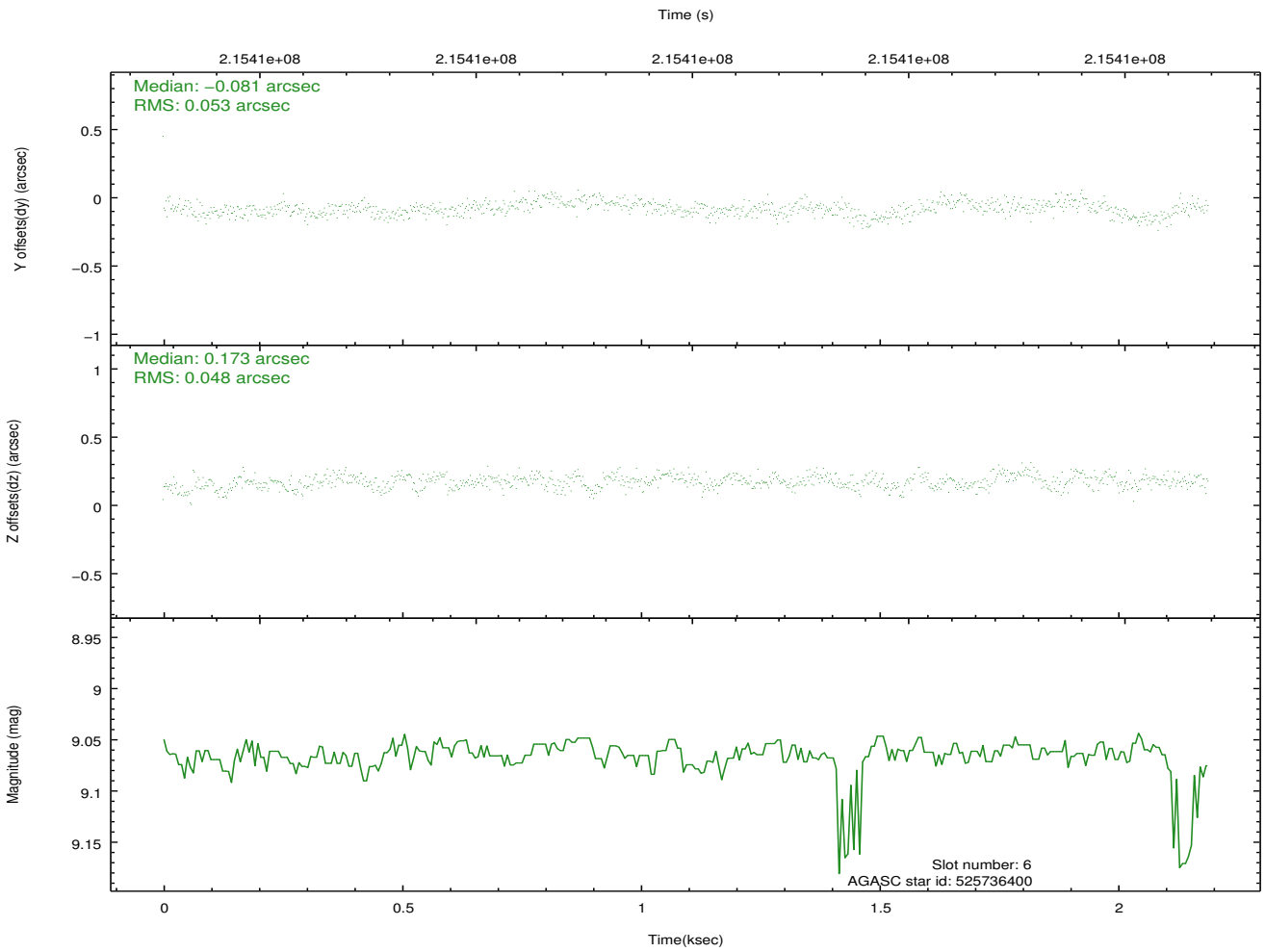
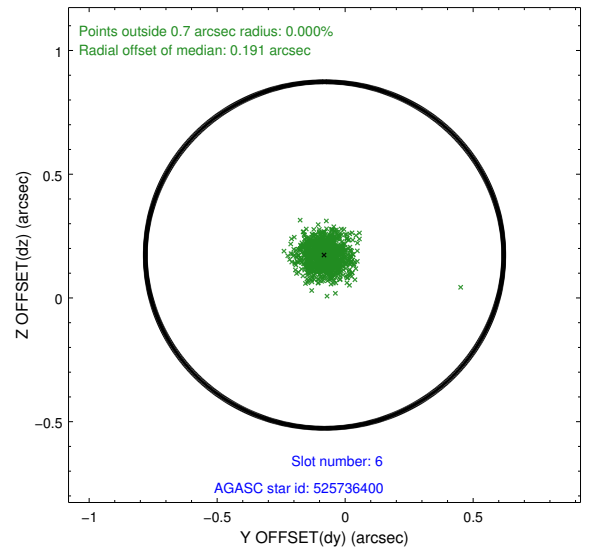
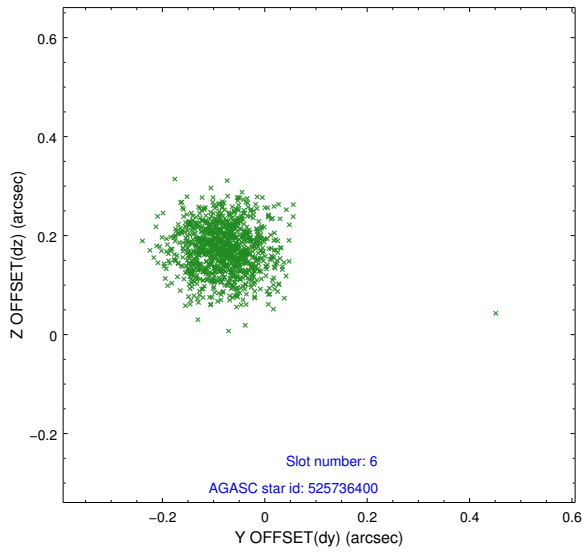
2.4.2 Slot 4



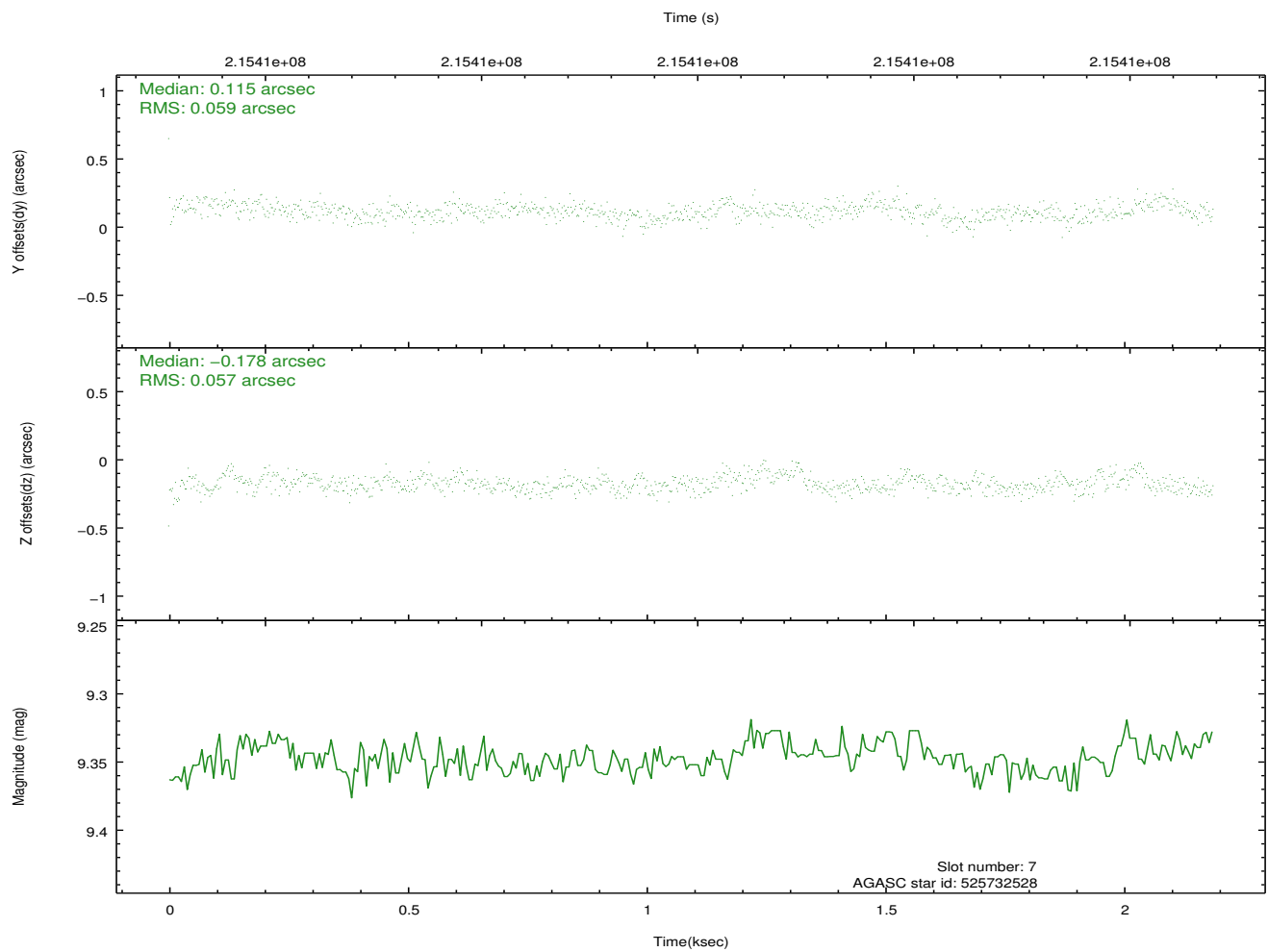
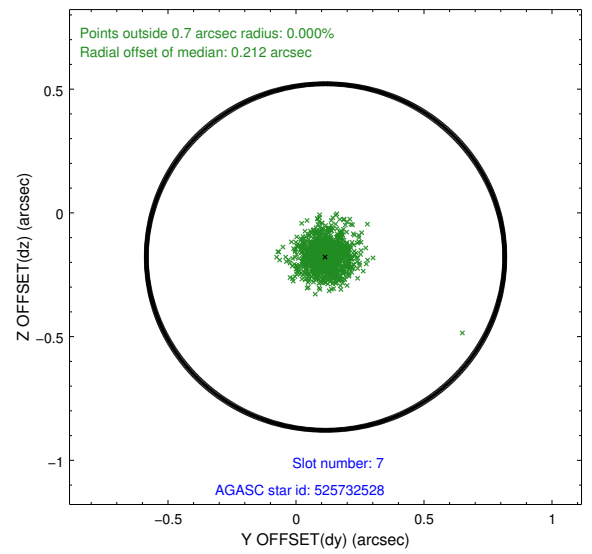
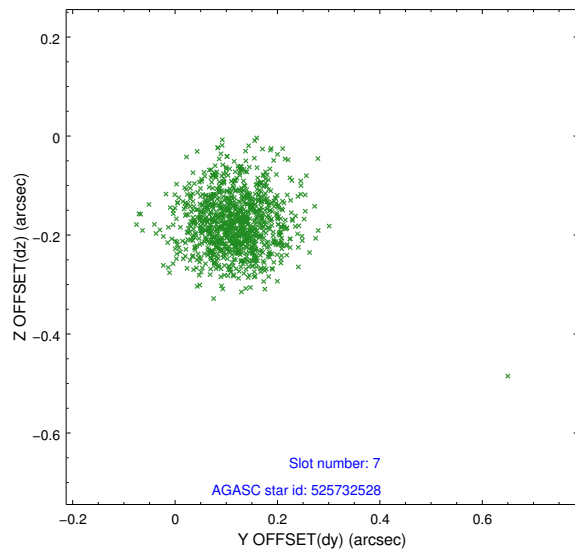
2.4.3 Slot 5



2.4.4 Slot 6

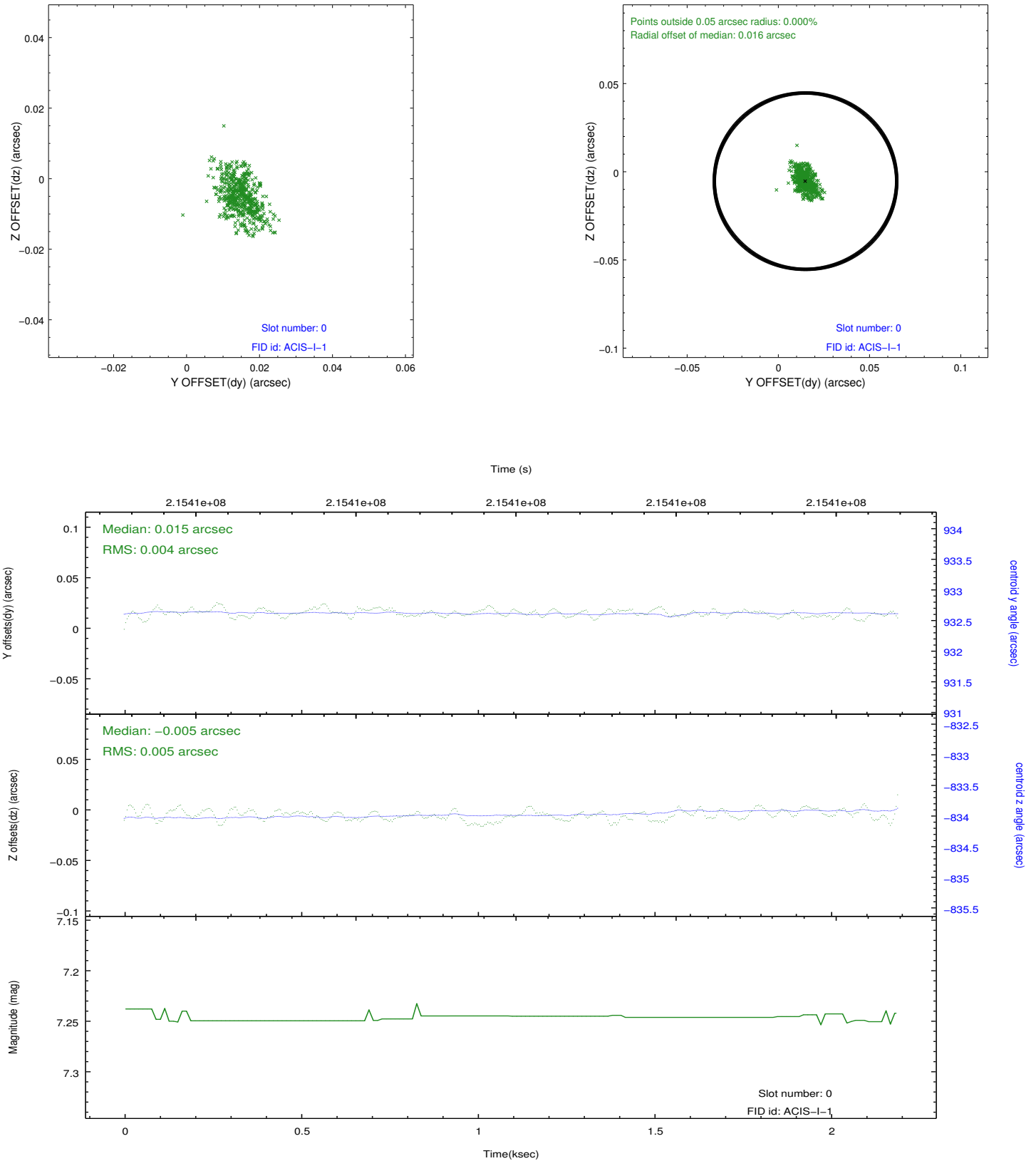


2.4.5 Slot 7

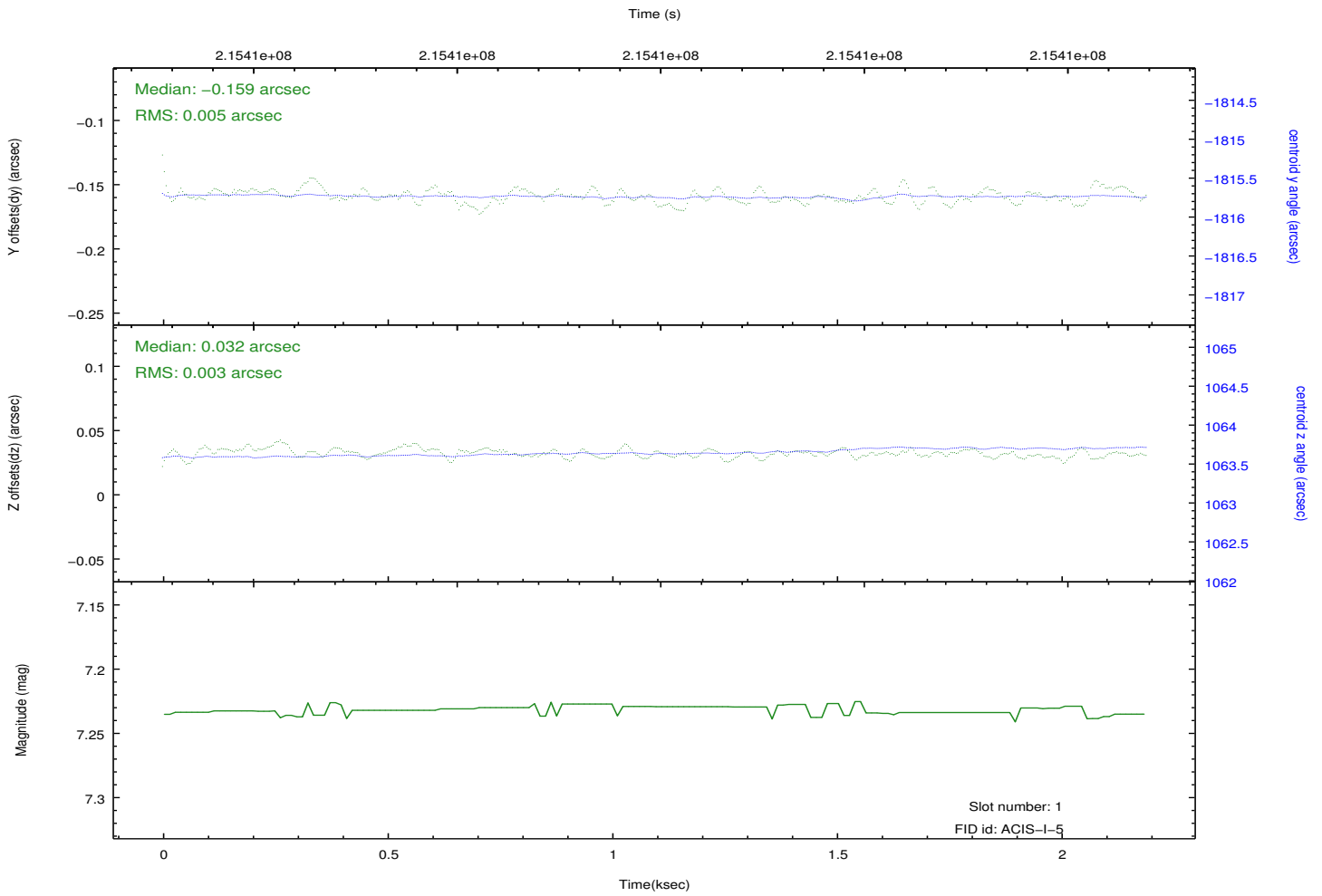
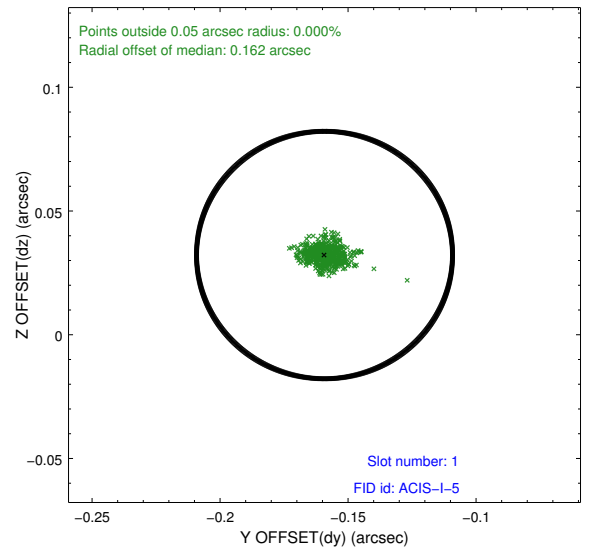
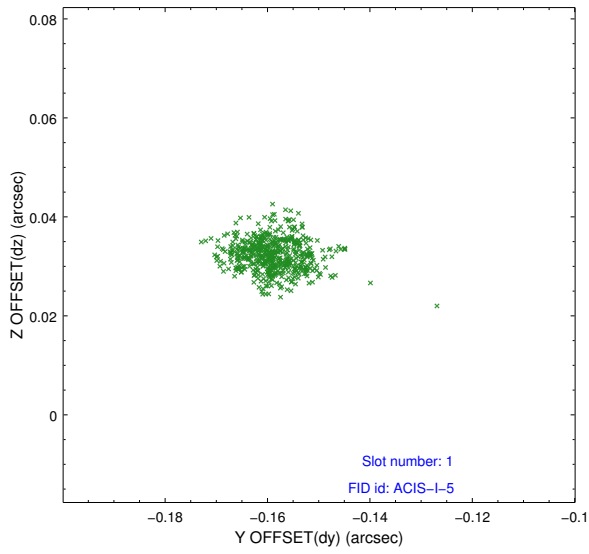


2.5 FID Slots

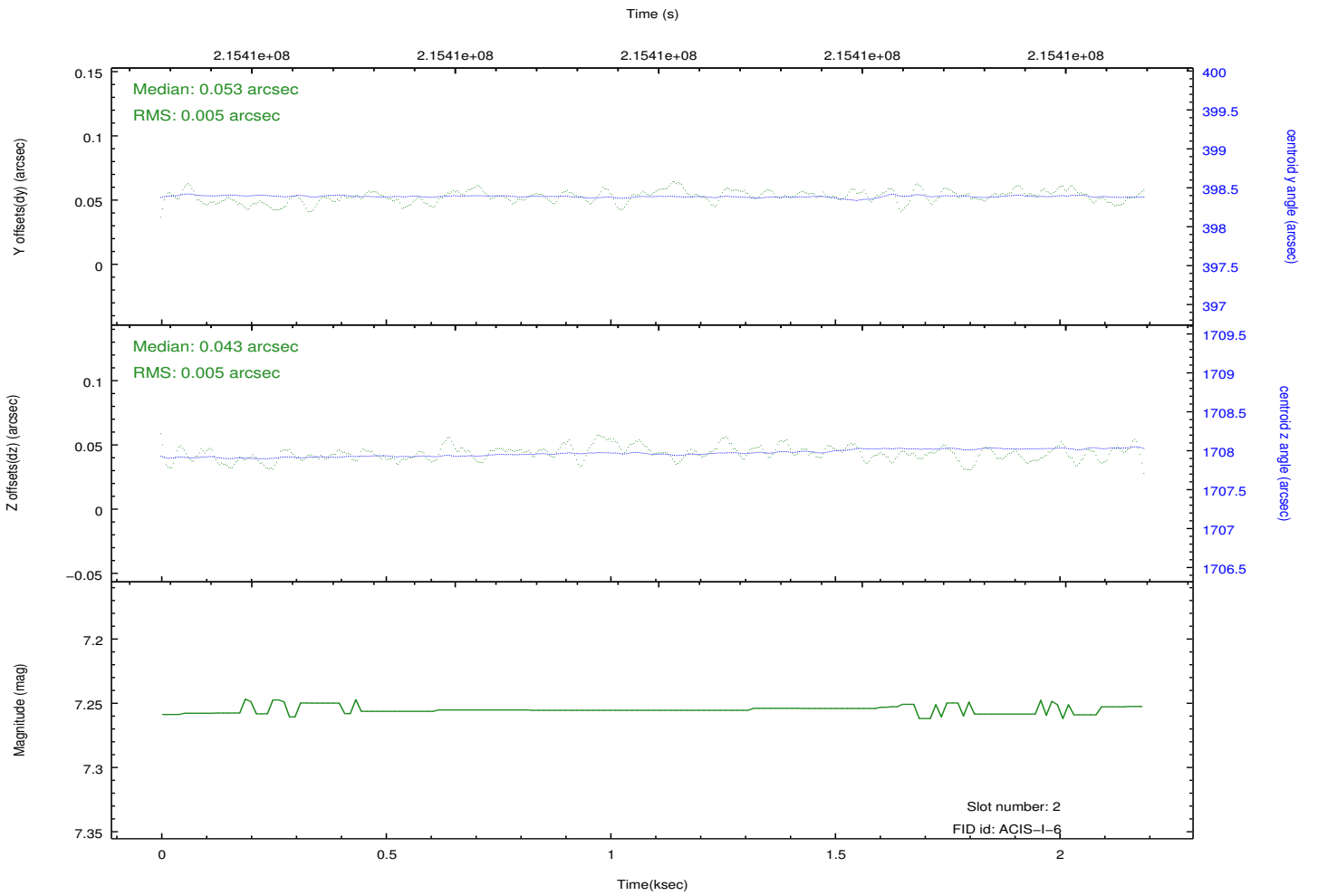
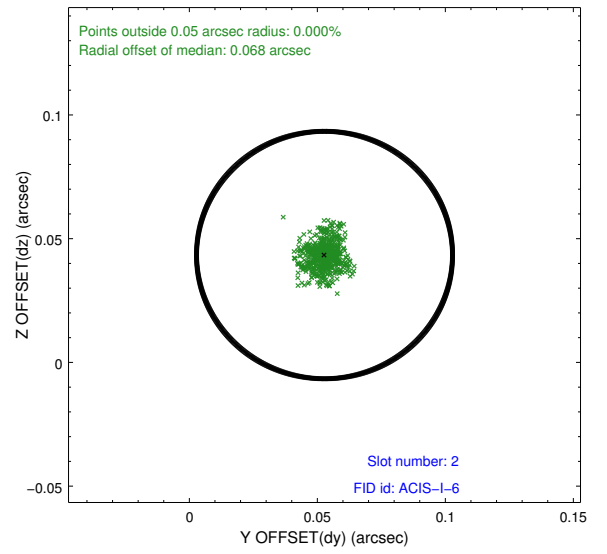
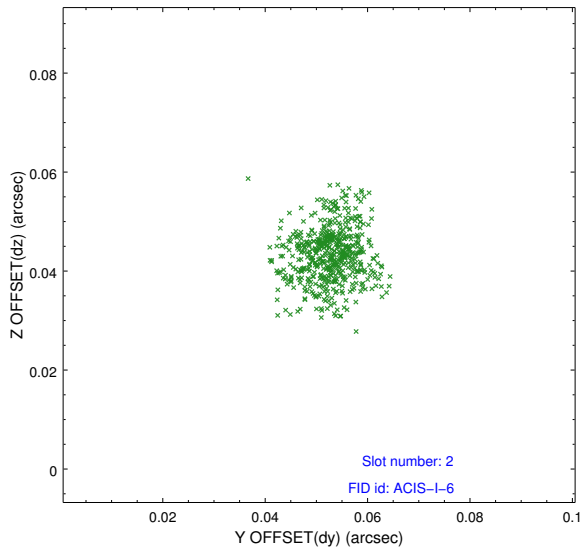
2.5.1 Slot 0



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)	2013.01.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.59254136

A.2 Comments

Window constraint met. A spatial exclusion window was specified for this observation. Although 6 CCD chips were active, only events from chip 3 were telemetered.