

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6644 - L2 Version 2
Chandra X-Ray Center

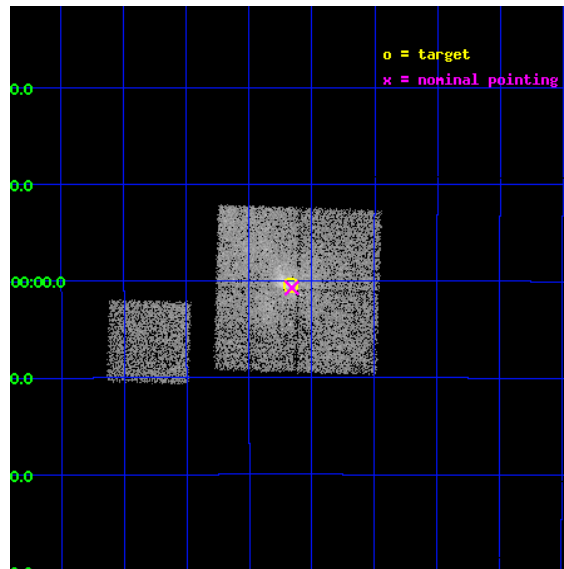
L2 Processing Date : Apr 7 2012

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1 Front

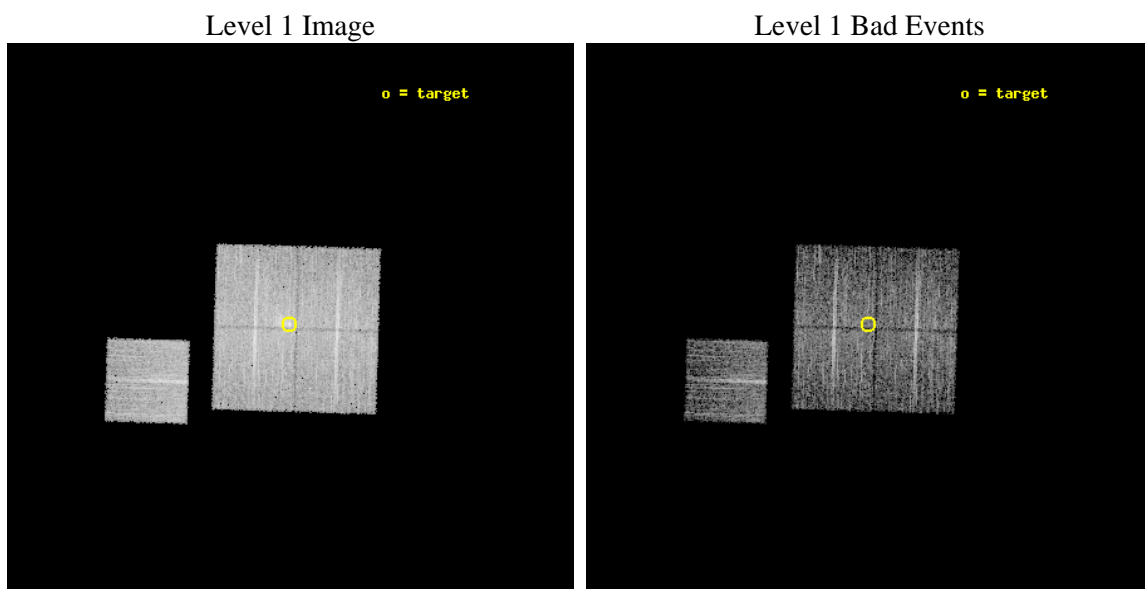
seq_num	400549	Sequence number
obs_id	6644	Observation id
title	Monitoring Faint X-ray Transients in the Galactic Center	Proposal
observer	Dr. Frederick Baganoff	Principal investigator
object	Sgr A*	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.007778	Observer's specified target Dec [deg]
ra_nom	266.41484556388	Nominal RA [deg]
dec_nom	-29.012046346494	Nominal Dec [deg]
roll_nom	271.74218773671	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5046.8000388145	Sum of GTIs [s]
livetime	4980.8598809073	Livetime [s]
ontime0	5046.8000388145	Sum of GTIs [s]
ontime1	5046.8000388145	Sum of GTIs [s]
ontime2	5046.8000388145	Sum of GTIs [s]
ontime3	5046.8000388145	Sum of GTIs [s]
ontime6	5046.8000388145	Sum of GTIs [s]
l2events	42615	Number of level 2 events



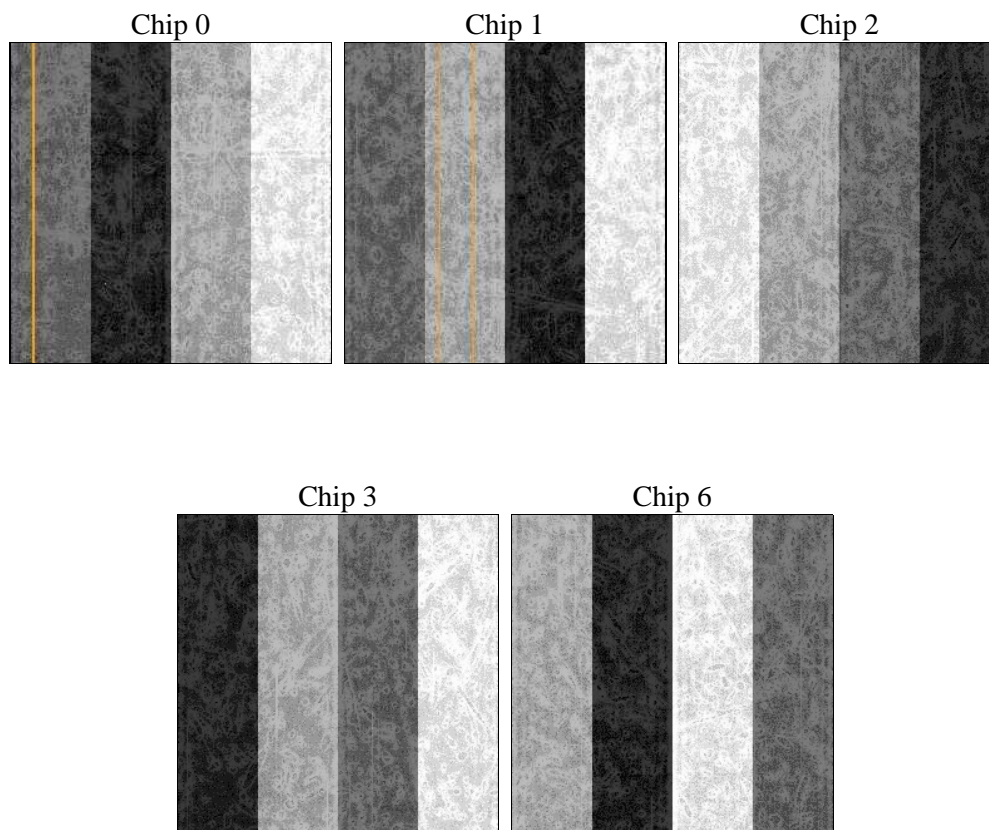
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	5046.8000388145	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	5046.8000388145	Sum of GTIs [s]
date	2012-04-08T00:05:55	Date and time of file creation	ontime1	5046.8000388145	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5046.8000388145	Sum of GTIs [s]
			ontime3	5046.8000388145	Sum of GTIs [s]
			ontime6	5046.8000388145	Sum of GTIs [s]
			l1events	232000	Number of level 1 events

2.1.4 Events

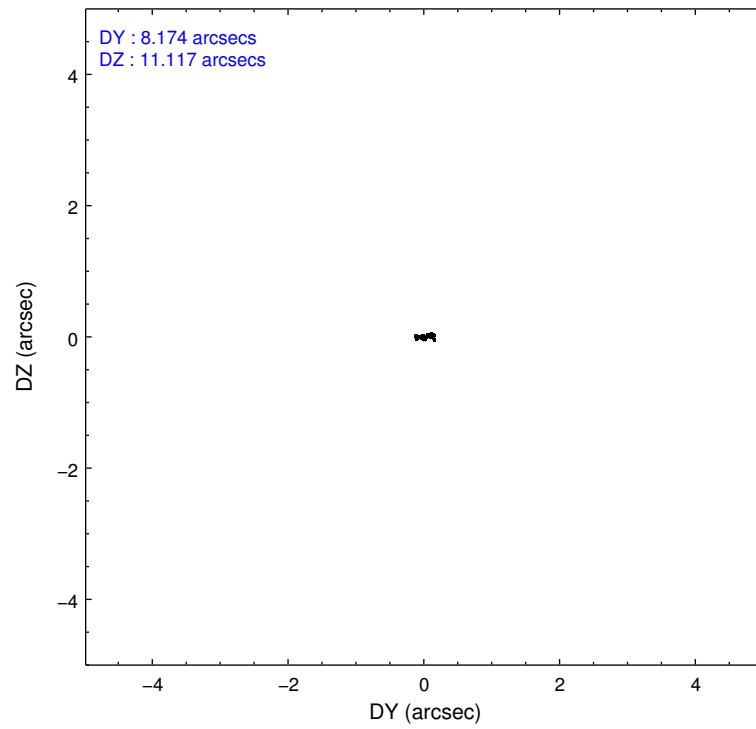
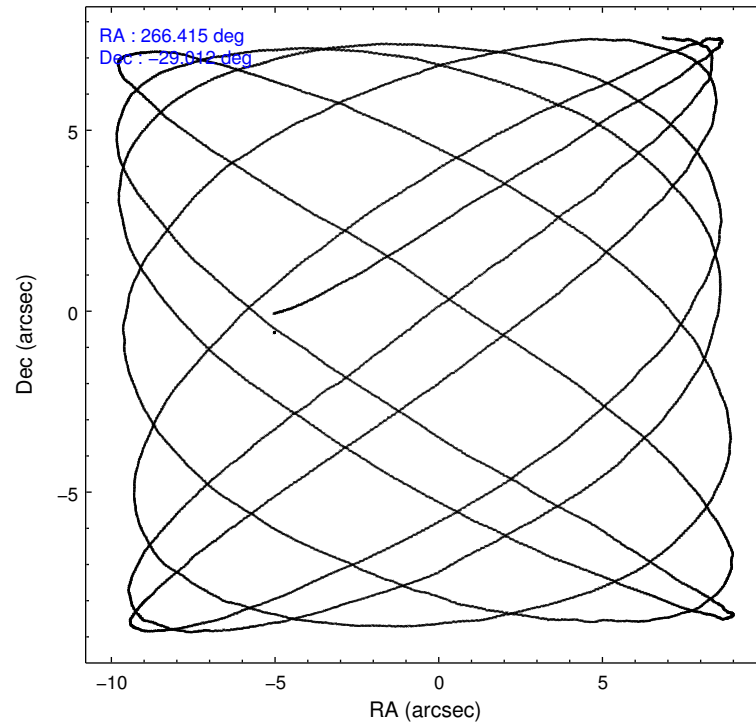
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	44017	44452	48232	51173	44126
rejected events	35664	35744	38930	36471	37951
rejected %	81%	80%	80%	71%	86%

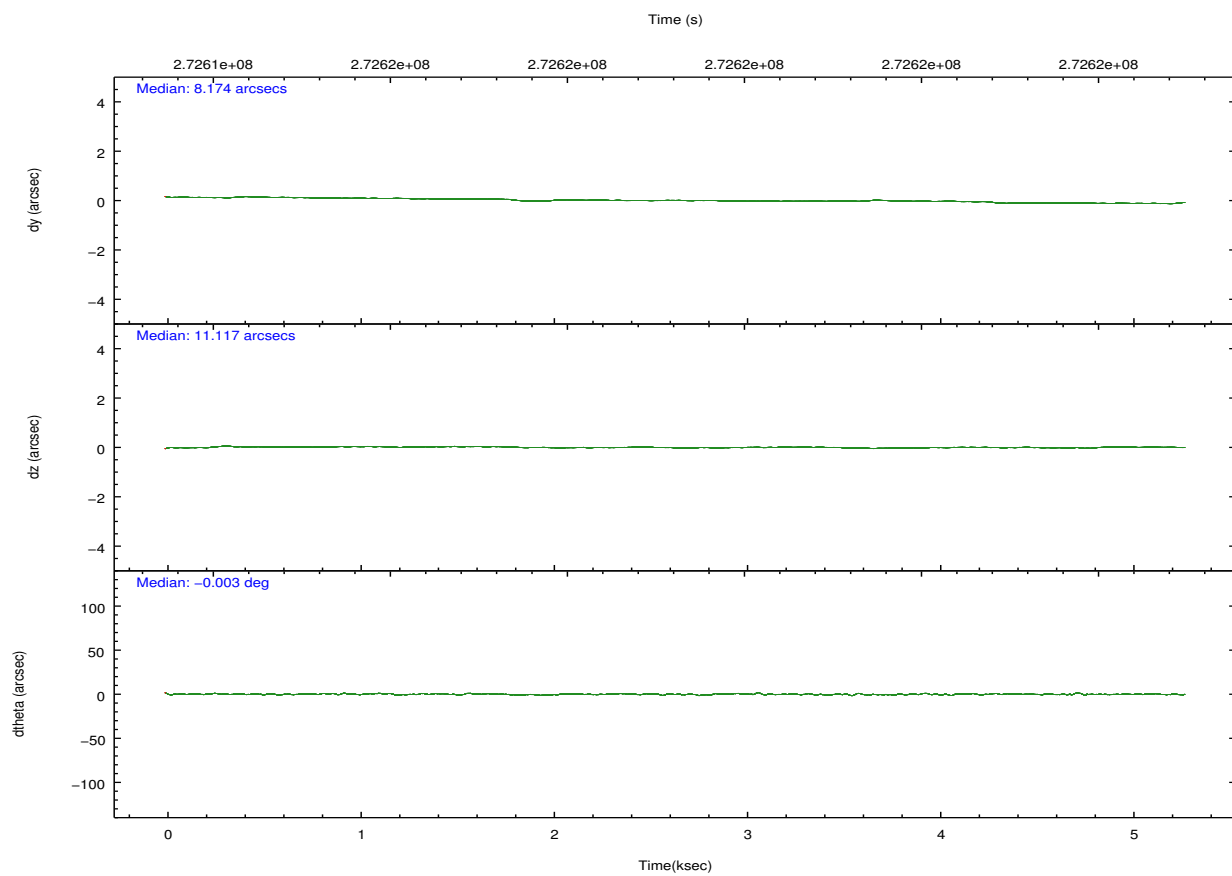
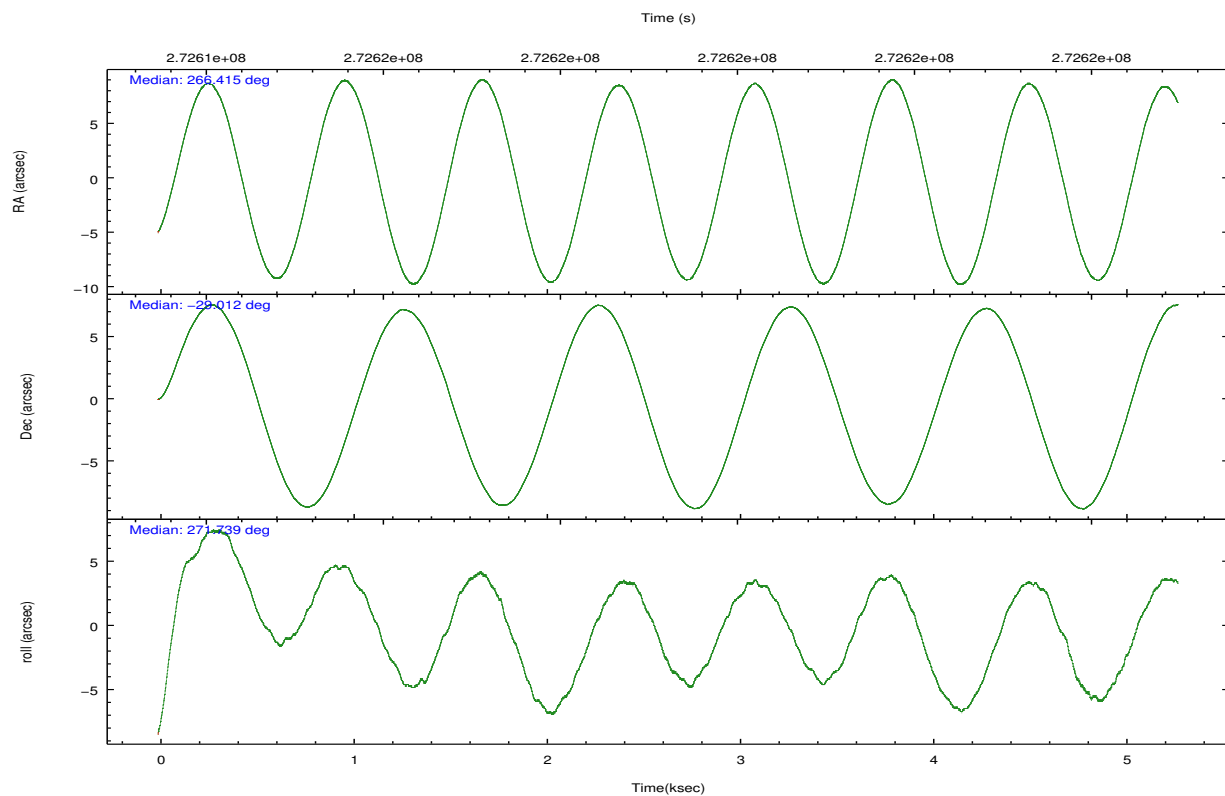
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	4340	4376	5301	8971	2676
	9%	9%	10%	17%	6%
grade 1 events	26	42	39	63	19
	0%	0%	0%	0%	0%
grade 2 events	1618	1739	1607	2253	1290
	3%	3%	3%	4%	2%
grade 3 events	663	685	621	965	561
	1%	1%	1%	1%	1%
grade 4 events	596	640	649	962	526
	1%	1%	1%	1%	1%
grade 5 events	1758	1891	1697	1921	1999
	3%	4%	3%	3%	4%
grade 6 events	1153	1284	1141	1561	1132
	2%	2%	2%	3%	2%
grade 7 events	33863	33795	37177	34477	35923
	76%	76%	77%	67%	81%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	266.398175	266.4148455638792	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.988867	-29.01204634649425	Alternating exposures requested	N	N
[deg] Pointing Roll	271.525423	271.7421877367109	[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	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	272614249.184000	272613274.93067			
Observation start date	2006-08-22T06:09:44	2006-08-22T05:54:34			
[s] Observation end time (MET)	272619249.184000	272620141.40599			
Observation end date	2006-08-22T07:33:04	2006-08-22T07:49:01			
Read mode	TIMED	TIMED			

2.3 Aspect



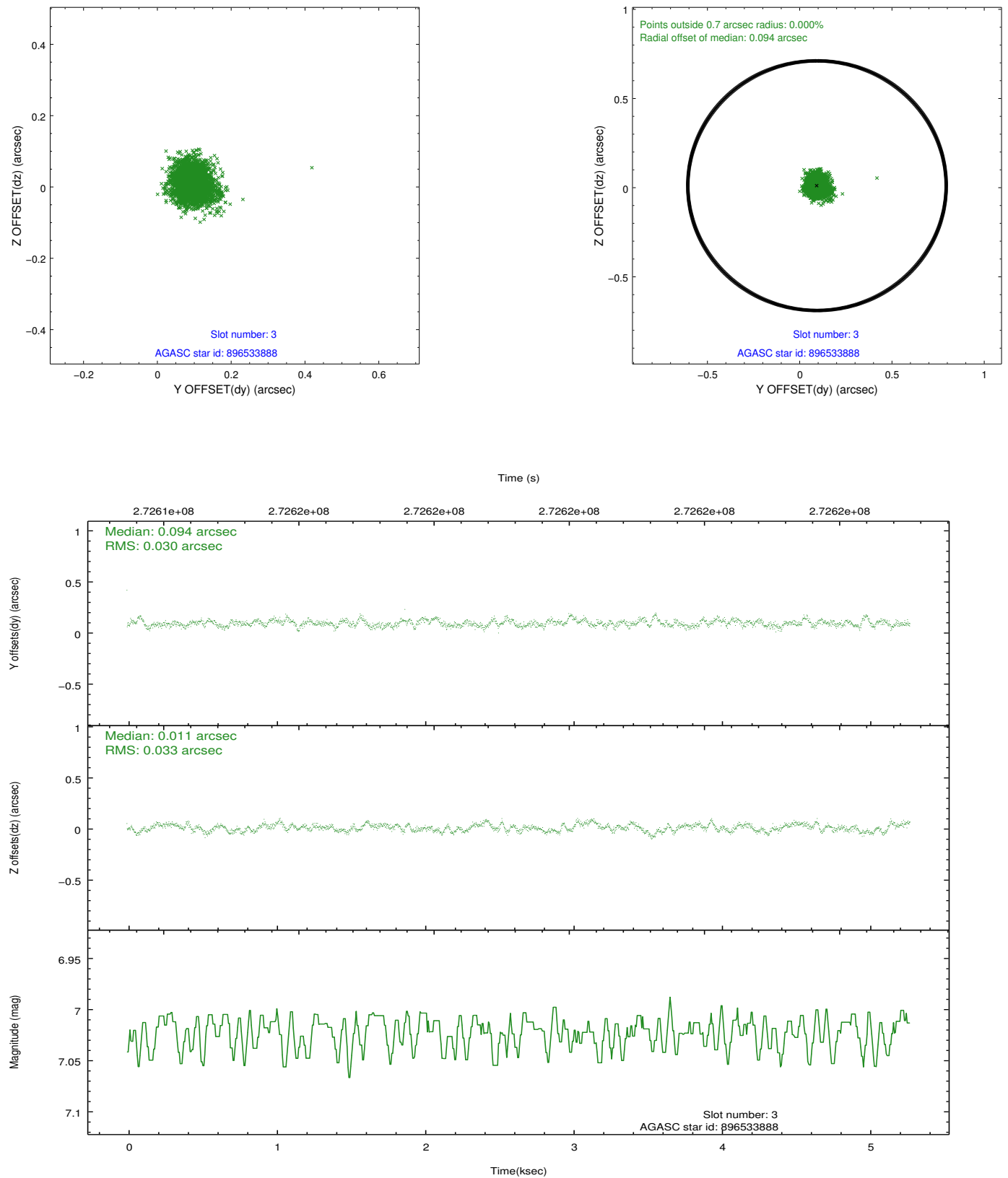


Slot Statistics

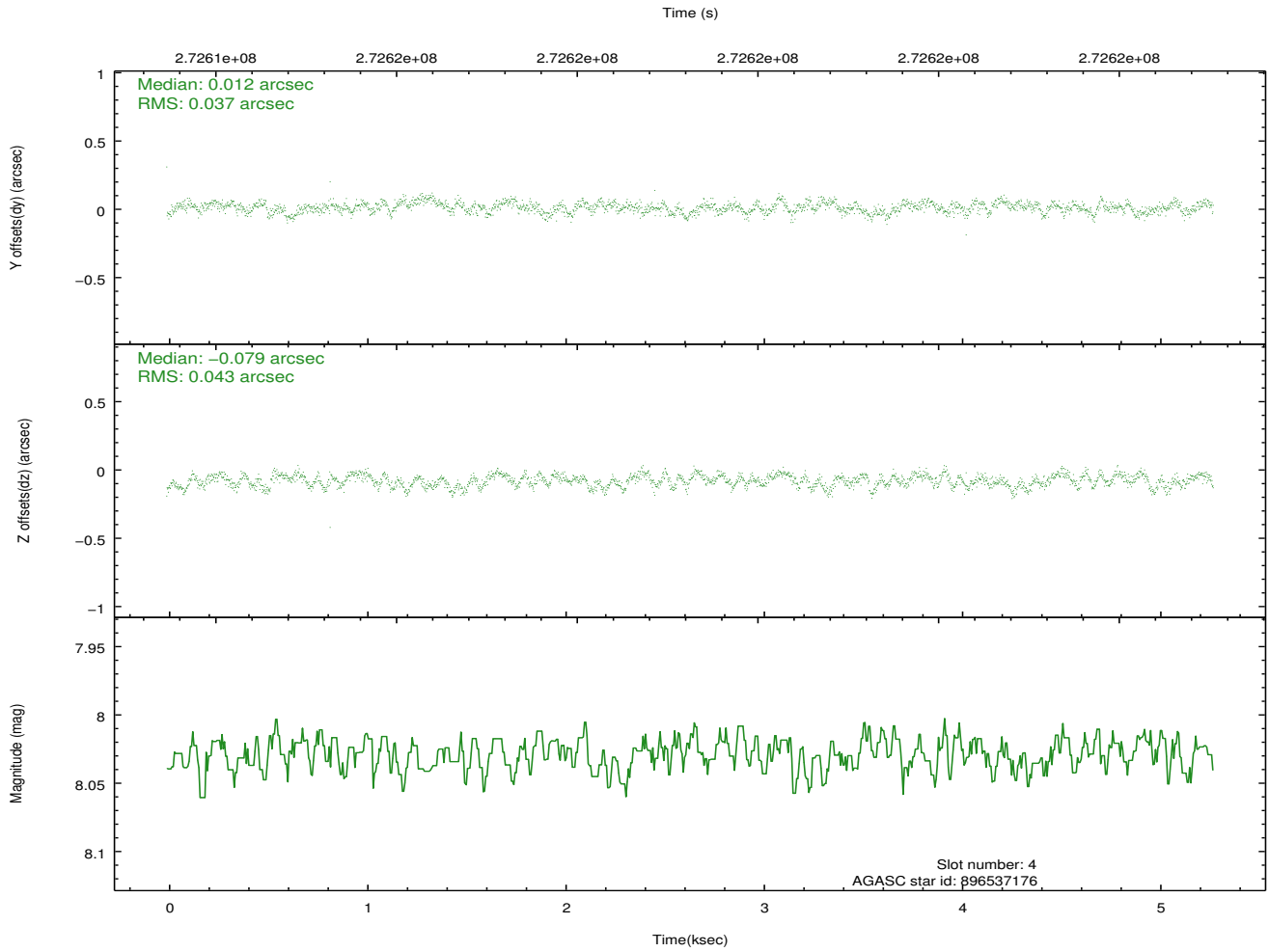
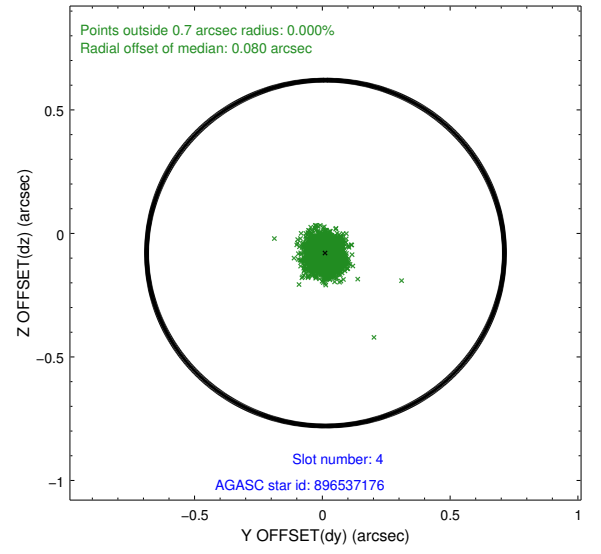
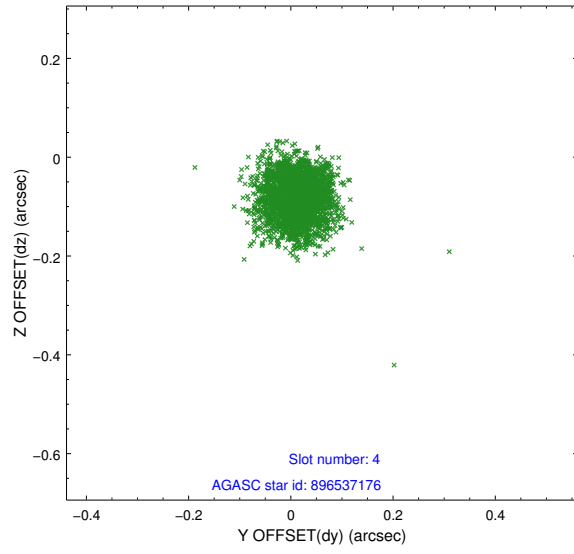
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1288	0.079	-0.016	0.006	0.012	0.000000	0.000000	931.55	-834.63
1	FID	ACIS-I-2	7.15	1286	-0.038	-0.057	0.009	0.018	0.000000	0.000000	-762.01	-841.69
2	FID	ACIS-I-5	7.22	1288	-0.134	0.145	0.008	0.013	0.000000	0.000000	-1817.46	1062.42
3	GUIDE	896533888	7.02	2576	0.094	0.011	0.047	0.076	266.666434	-29.392757	1477.33	802.27
4	GUIDE	896537176	8.03	2574	0.012	-0.079	0.061	0.095	266.498272	-28.678259	-1108.25	345.74
5	GUIDE	896541360	7.72	2574	0.122	0.072	0.052	0.084	266.684478	-29.453744	1698.02	852.68
6	GUIDE	896541576	8.19	2576	-0.085	0.066	0.066	0.105	267.051055	-28.762912	-751.77	2081.28
7	GUIDE	896404568	7.85	2575	-0.143	-0.067	0.061	0.098	265.687293	-28.431080	-2060.48	-2196.13

2.4 Star Slots

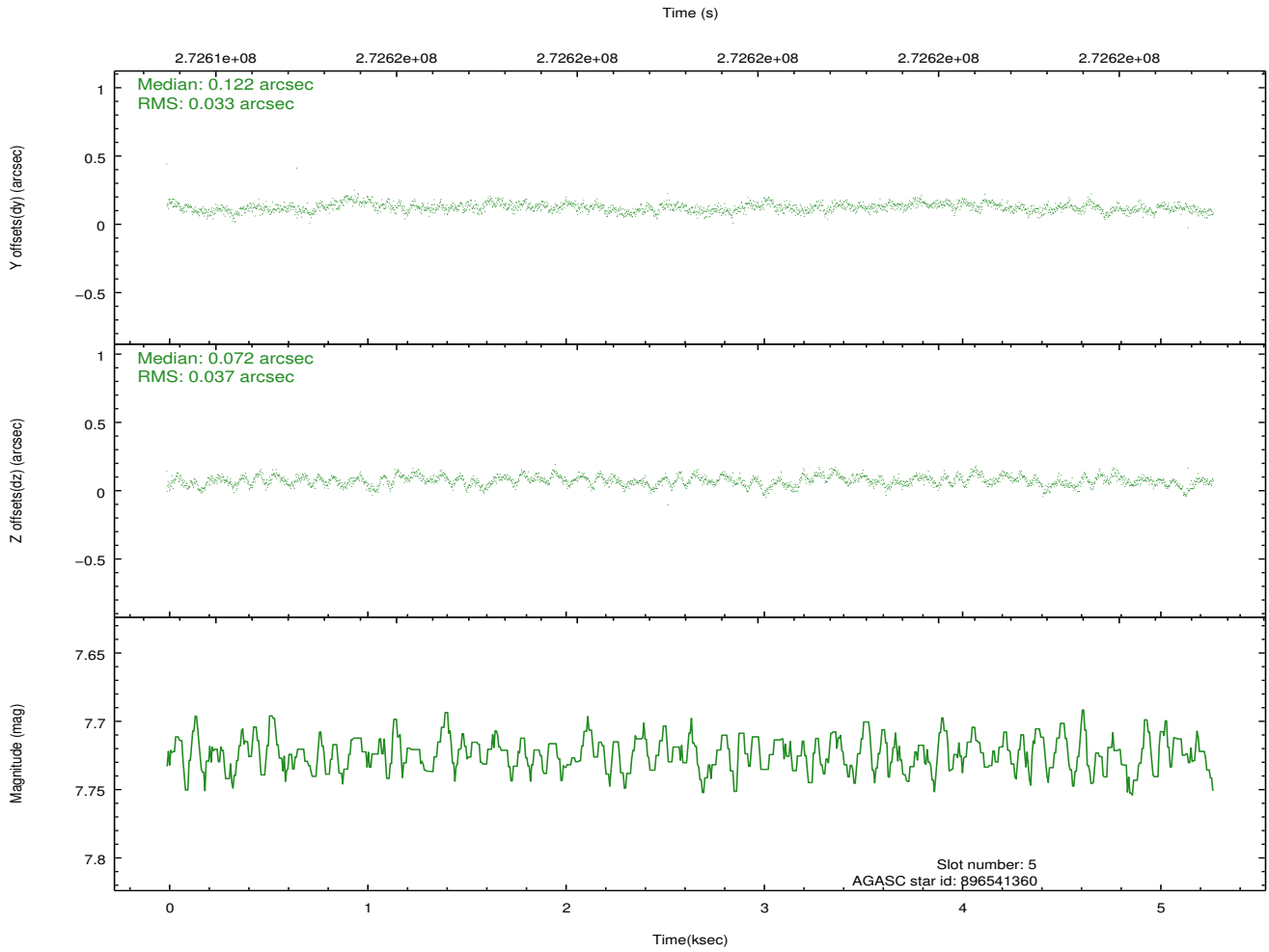
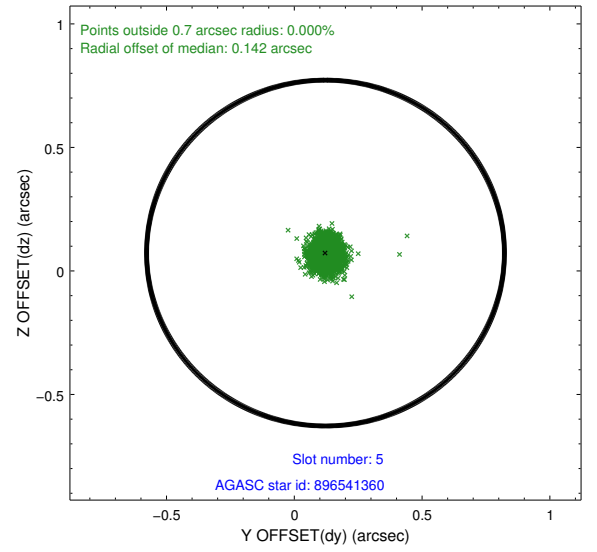
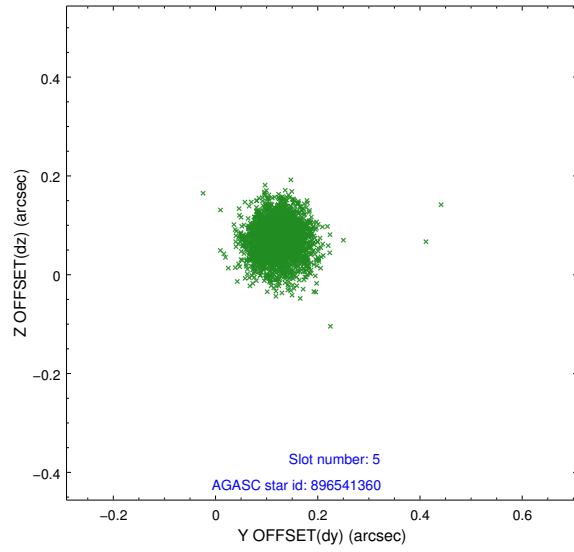
2.4.1 Slot 3



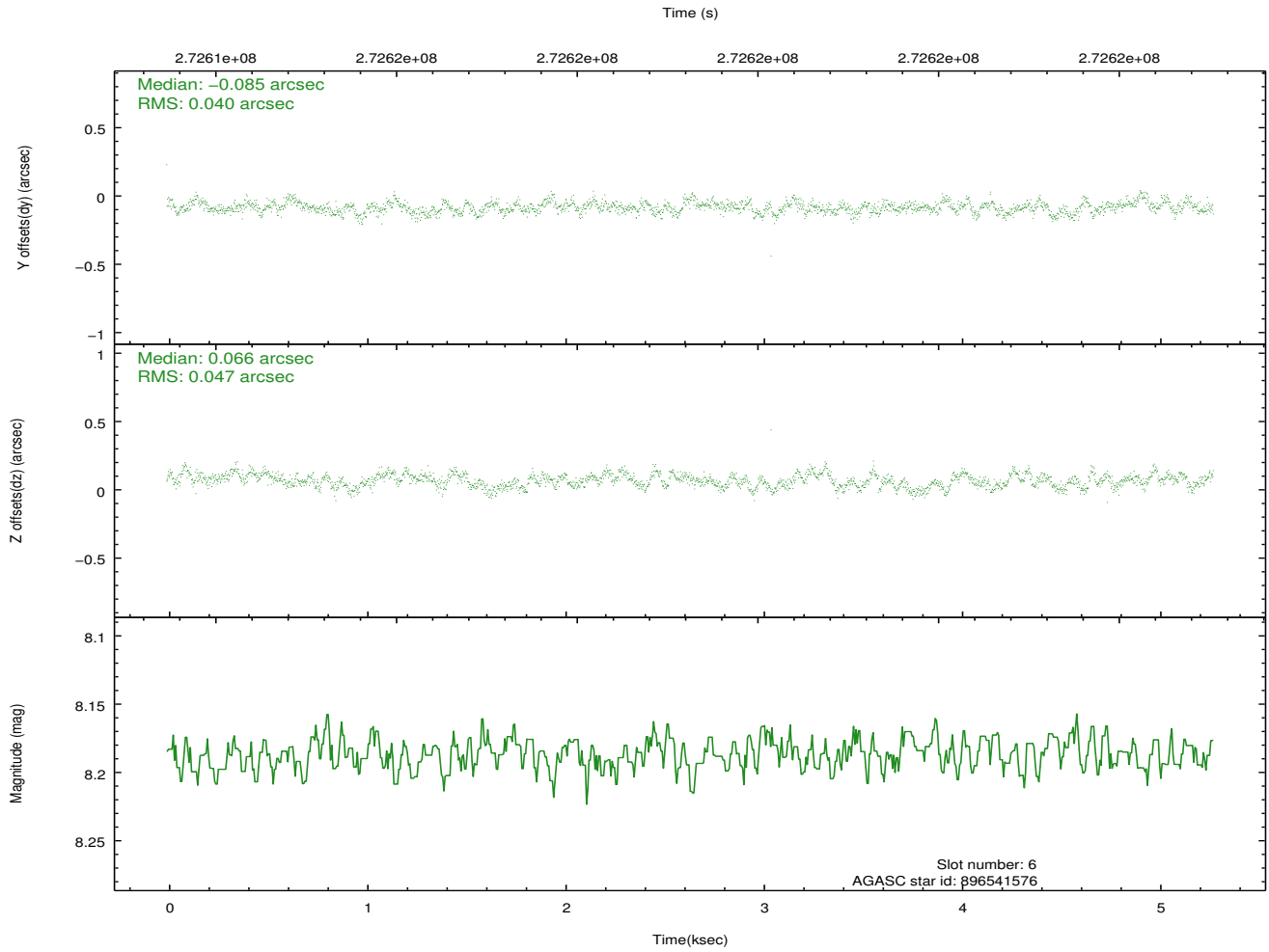
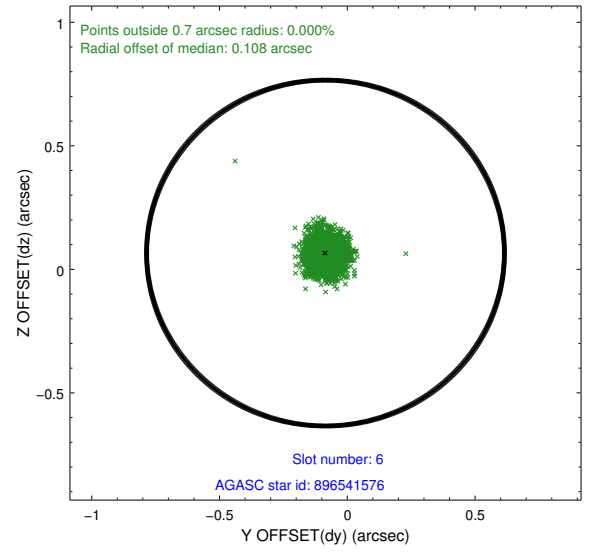
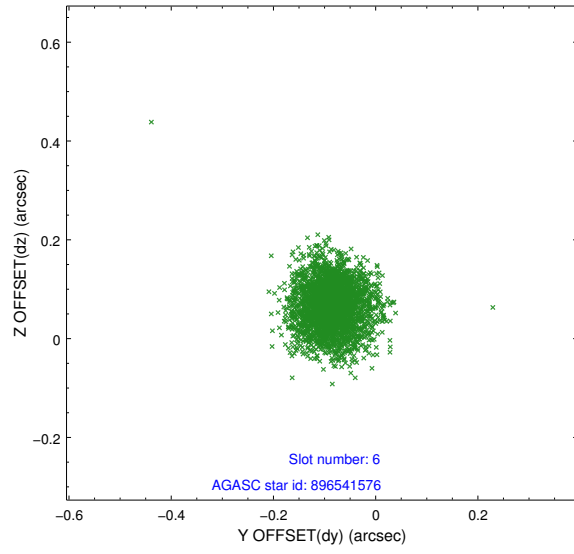
2.4.2 Slot 4



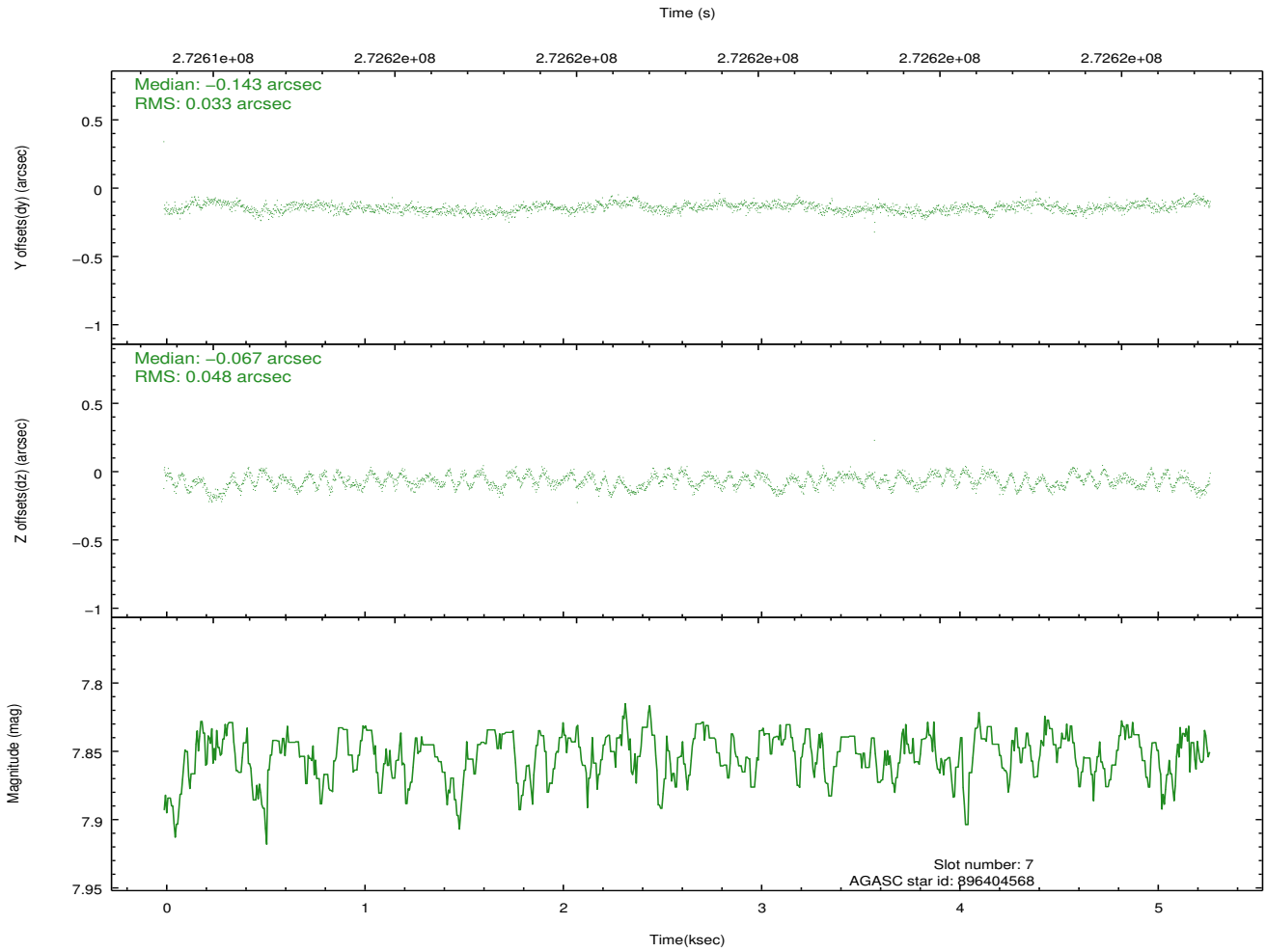
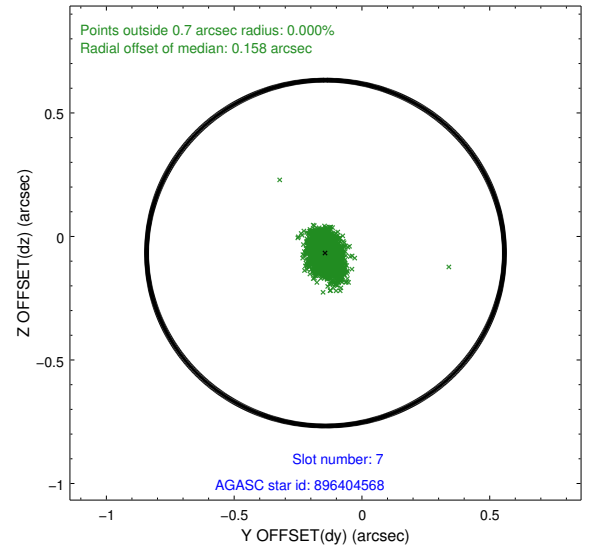
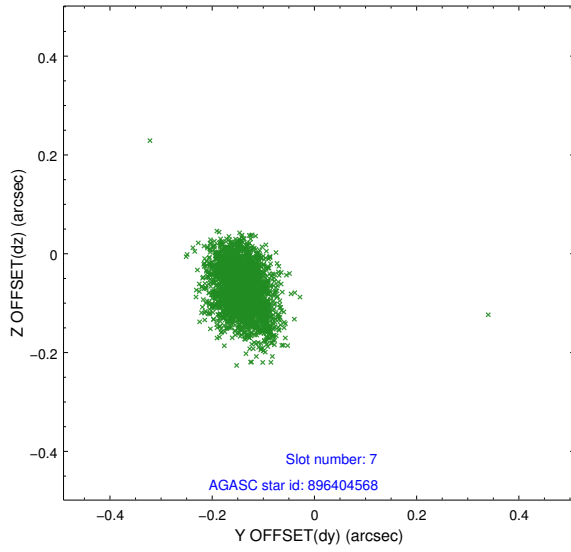
2.4.3 Slot 5



2.4.4 Slot 6

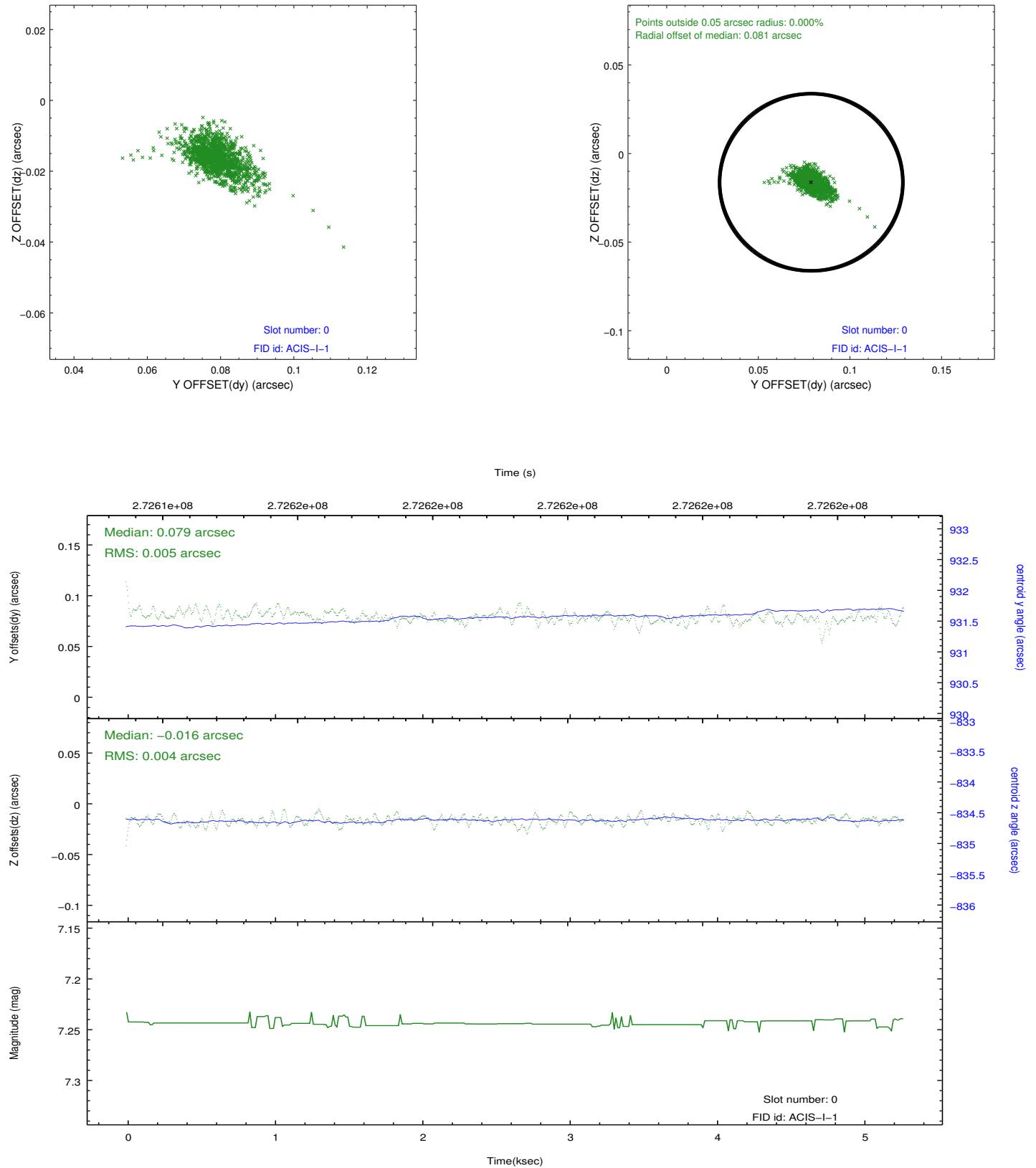


2.4.5 Slot 7

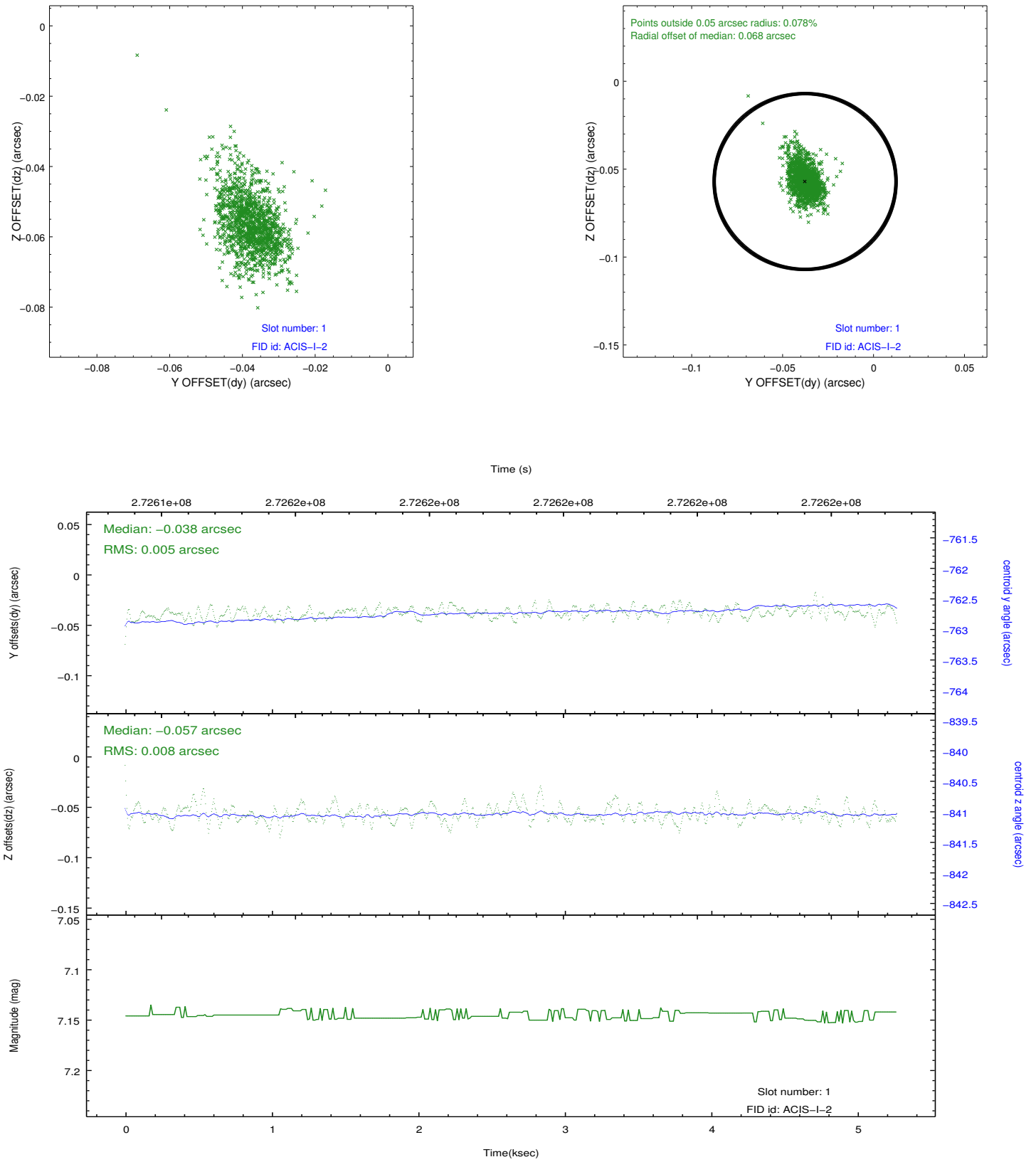


2.5 FID Slots

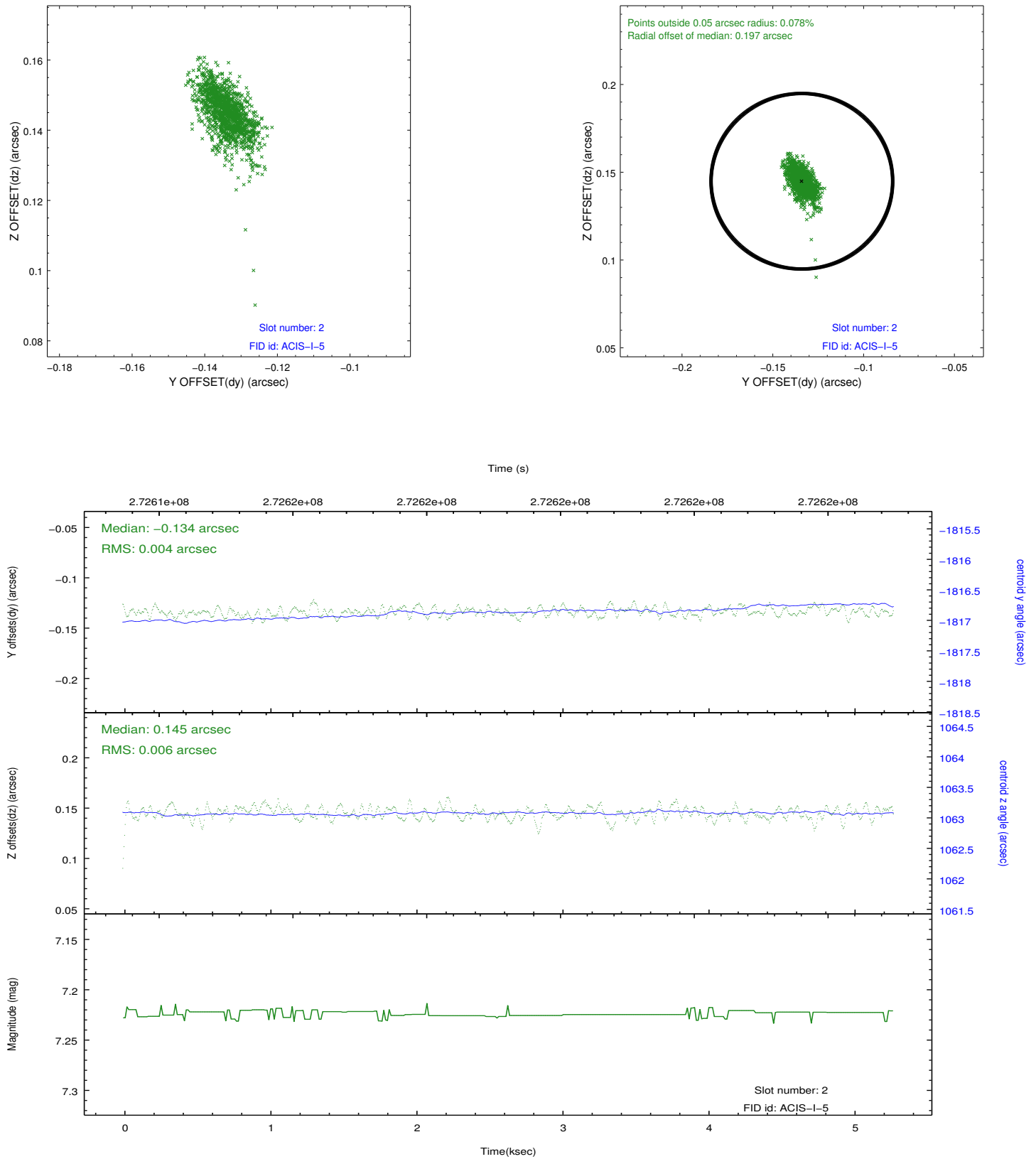
2.5.1 Slot 0



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)	2012.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.04680003

A.2 Comments

Monitor constraint met.