

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6641 - L2 Version 2
Chandra X-Ray Center

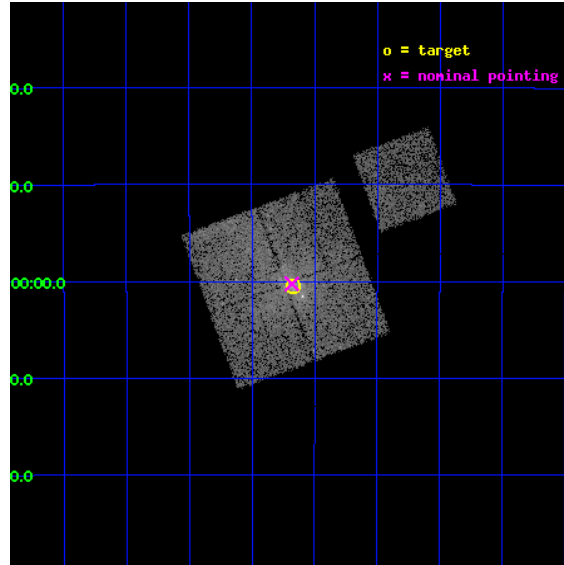
L2 Processing Date : Apr 2 2012

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

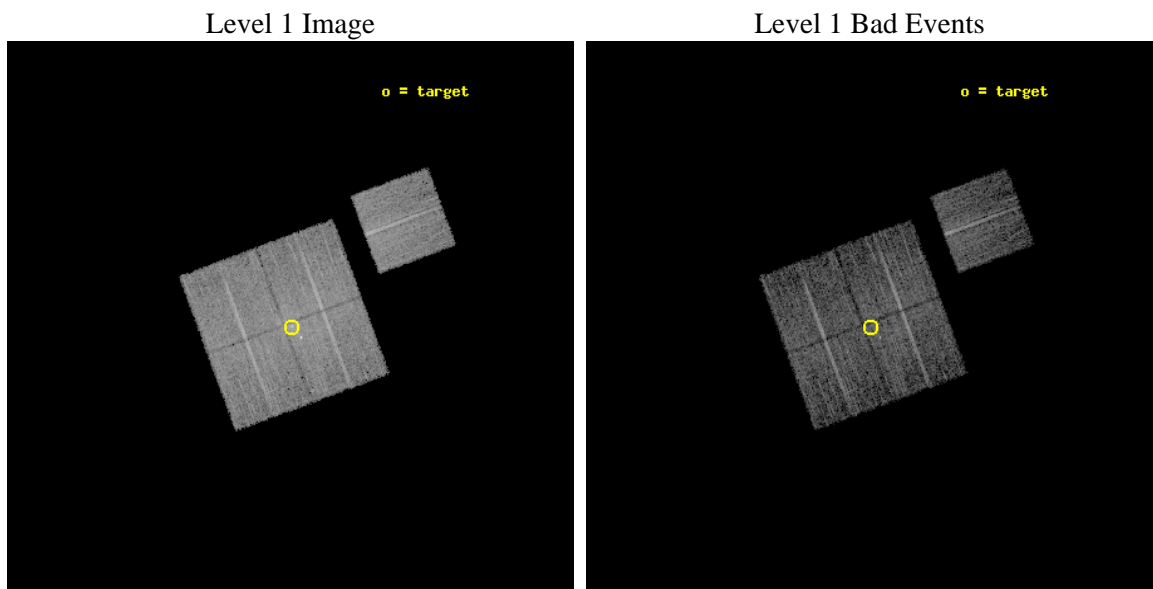
seq_num	400546	Sequence number
obs_id	6641	Observation id
title	Monitoring Faint X-ray Transients in the Galactic Center	Proposal
observer	Dr. Frederick Baganoff	Principal investigator
object	Sgr A*	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.007778	Observer's specified target Dec [deg]
ra_nom	266.42019034108	Nominal RA [deg]
dec_nom	-29.004369697398	Nominal Dec [deg]
roll_nom	69.723633543645	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5127.3999901116	Sum of GTIs [s]
livetime	5060.4067345038	Livetime [s]
ontime0	5127.3999901116	Sum of GTIs [s]
ontime1	5127.3999901116	Sum of GTIs [s]
ontime2	5127.3999901116	Sum of GTIs [s]
ontime3	5127.3999901116	Sum of GTIs [s]
ontime6	5127.3999901116	Sum of GTIs [s]
l2events	45780	Number of level 2 events



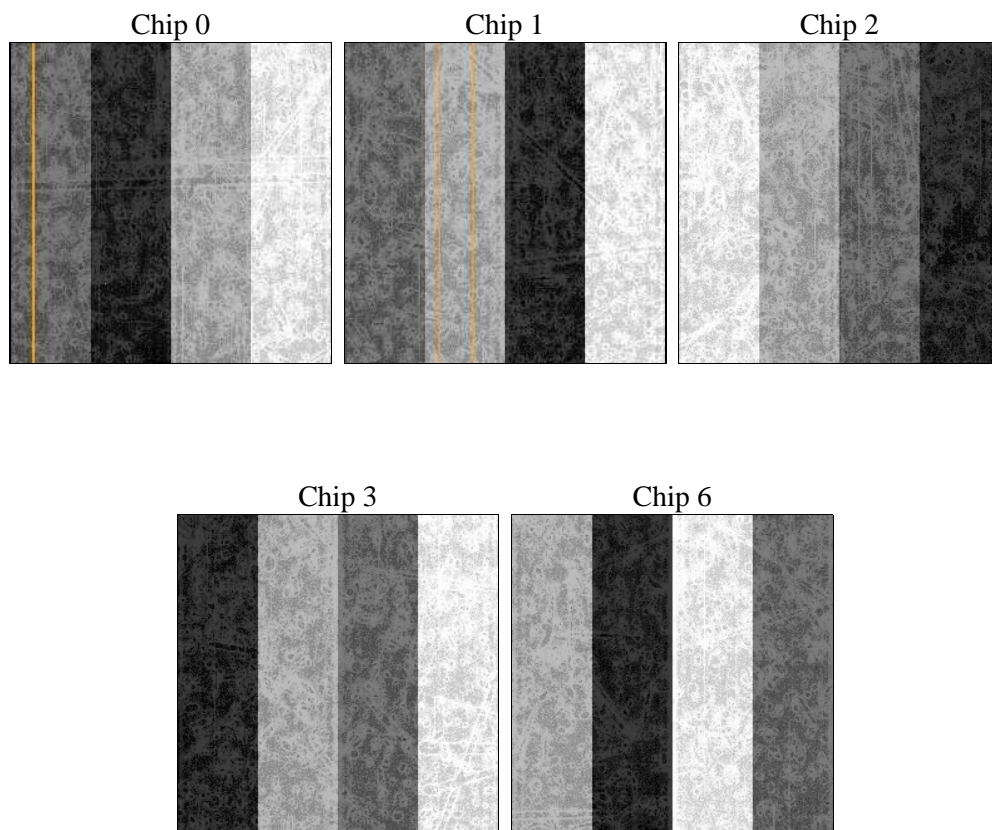
2 OBI

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	Processing system revision	ontime	5127.3999901116	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	5127.3999901116	Sum of GTIs [s]
date	2012-04-02T19:07:48	Date and time of file creation	ontime1	5127.3999901116	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5127.3999901116	Sum of GTIs [s]
			ontime3	5127.3999901116	Sum of GTIs [s]
			ontime6	5127.3999901116	Sum of GTIs [s]
			l1events	270141	Number of level 1 events

2.1.4 Events

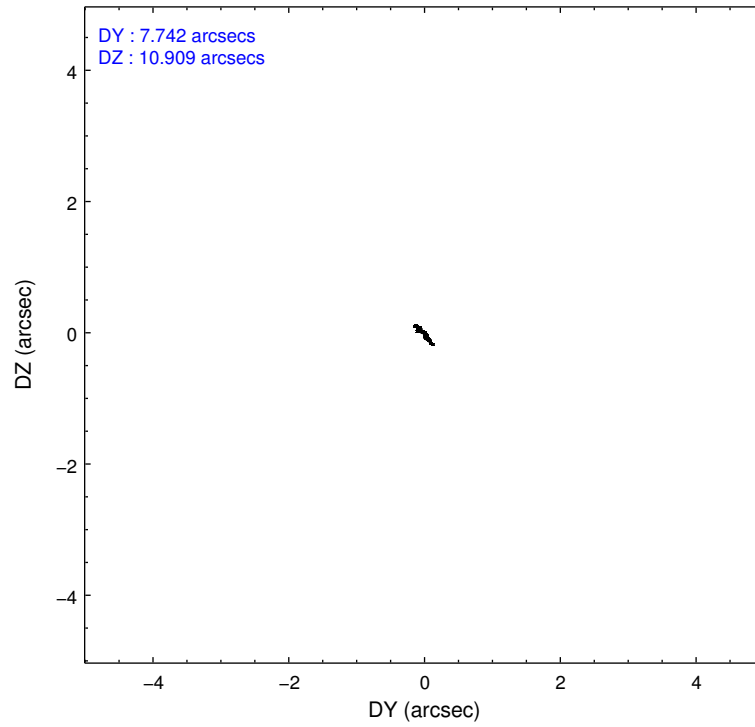
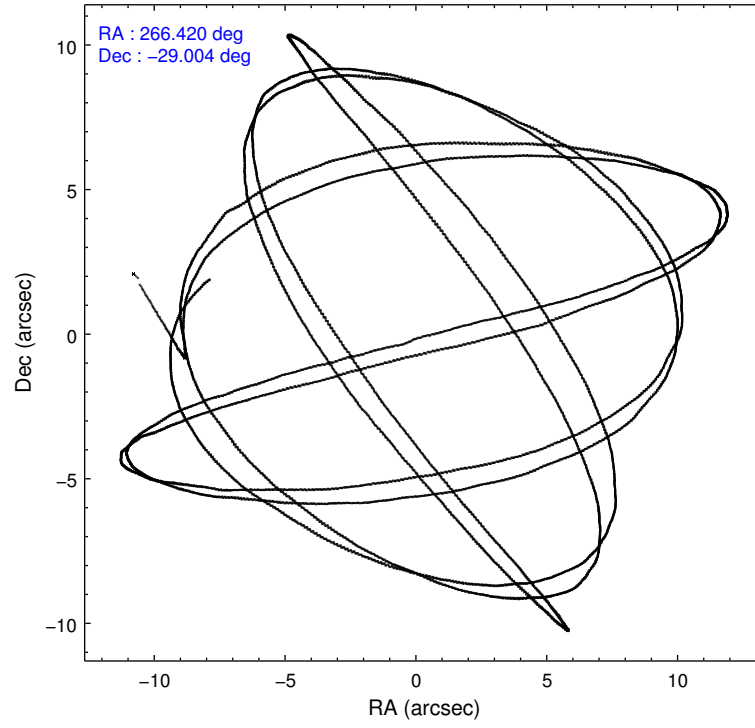
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	54737	52058	55409	57187	50750
rejected events	42407	42138	45343	44935	44330
rejected %	77%	80%	81%	78%	87%

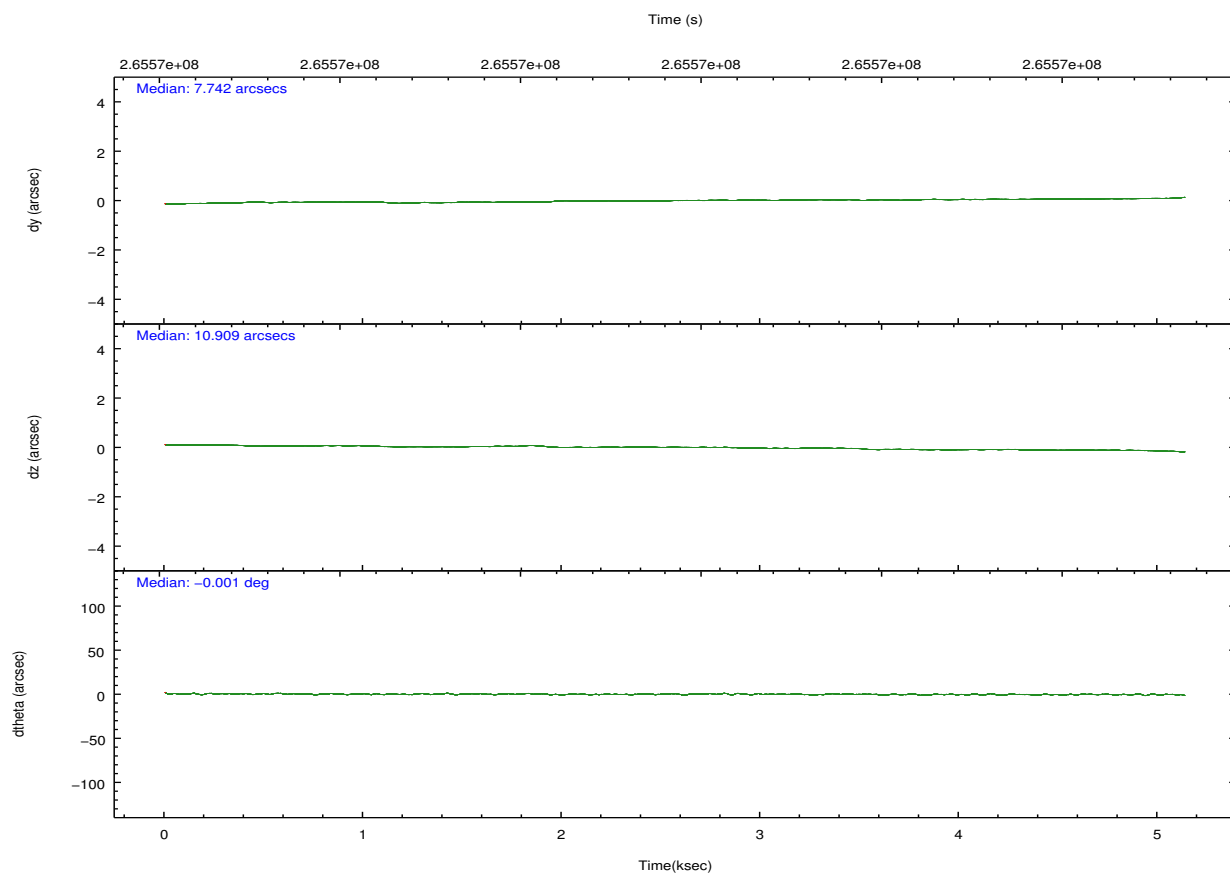
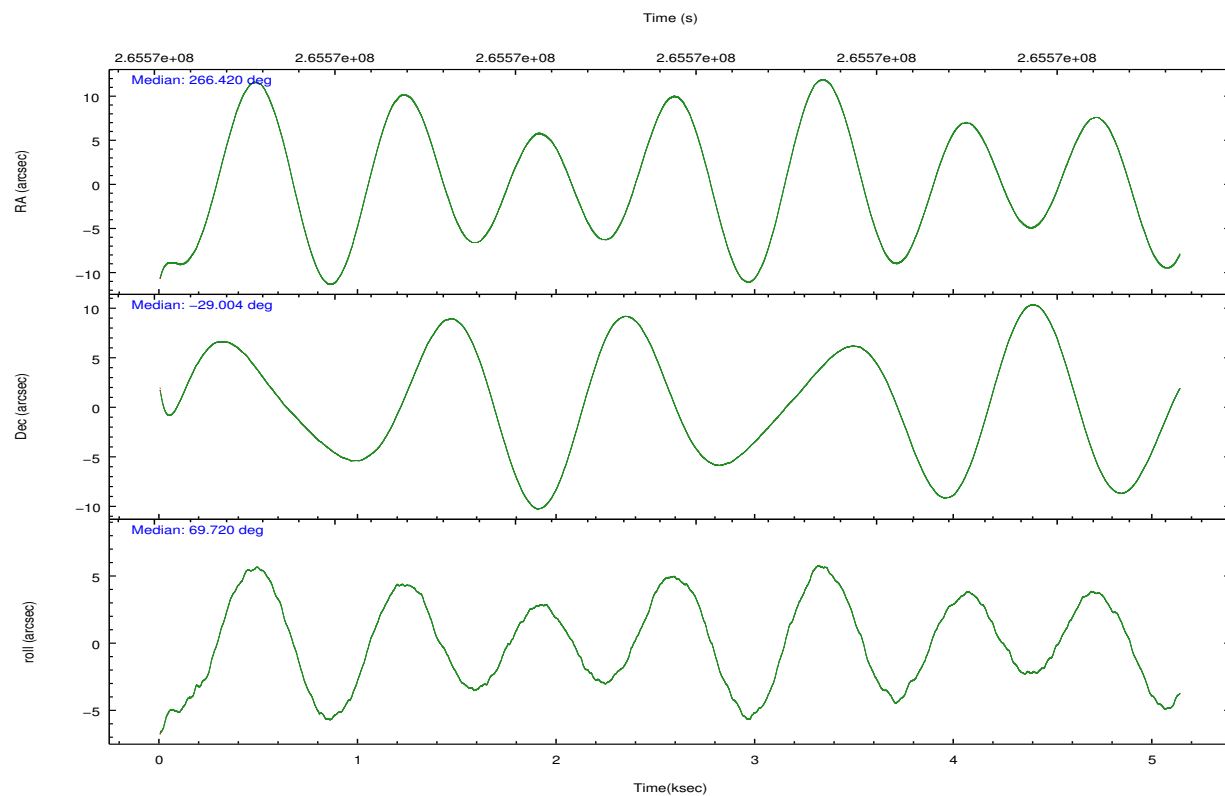
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	7549	5427	5966	7134	3112
	13%	10%	10%	12%	6%
grade 1 events	55	46	63	113	26
	0%	0%	0%	0%	0%
grade 2 events	2240	2020	1845	2095	1330
	4%	3%	3%	3%	2%
grade 3 events	909	774	827	985	627
	1%	1%	1%	1%	1%
grade 4 events	856	830	774	965	630
	1%	1%	1%	1%	1%
grade 5 events	1897	2197	1996	2422	2157
	3%	4%	3%	4%	4%
grade 6 events	1515	1542	1309	1789	1223
	2%	2%	2%	3%	2%
grade 7 events	39716	39222	42629	41684	41645
	72%	75%	76%	72%	82%

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	266.425715	266.4201903410798	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.031368	-29.0043696973975	Alternating exposures requested	N	N
[deg] Pointing Roll	69.517622	69.72363354364536	[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)	265566430.184000	265565272.10054			
Observation start date	2006-06-01T16:26:05	2006-06-01T16:07:52			
[s] Observation end time (MET)	265571430.184000	265571867.46335			
Observation end date	2006-06-01T17:49:25	2006-06-01T17:57:47			
Read mode	TIMED	TIMED			

2.3 Aspect



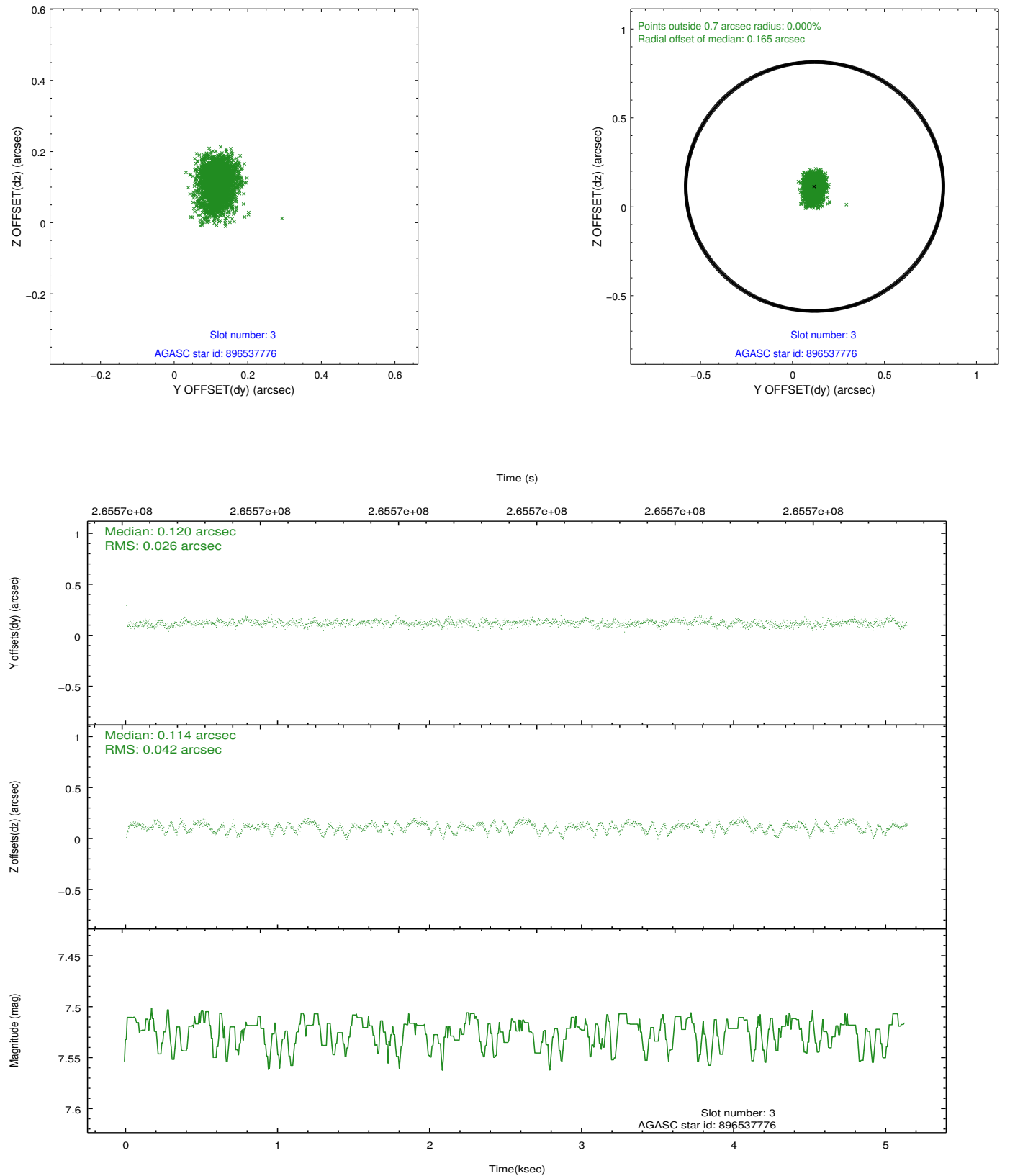


Slot Statistics

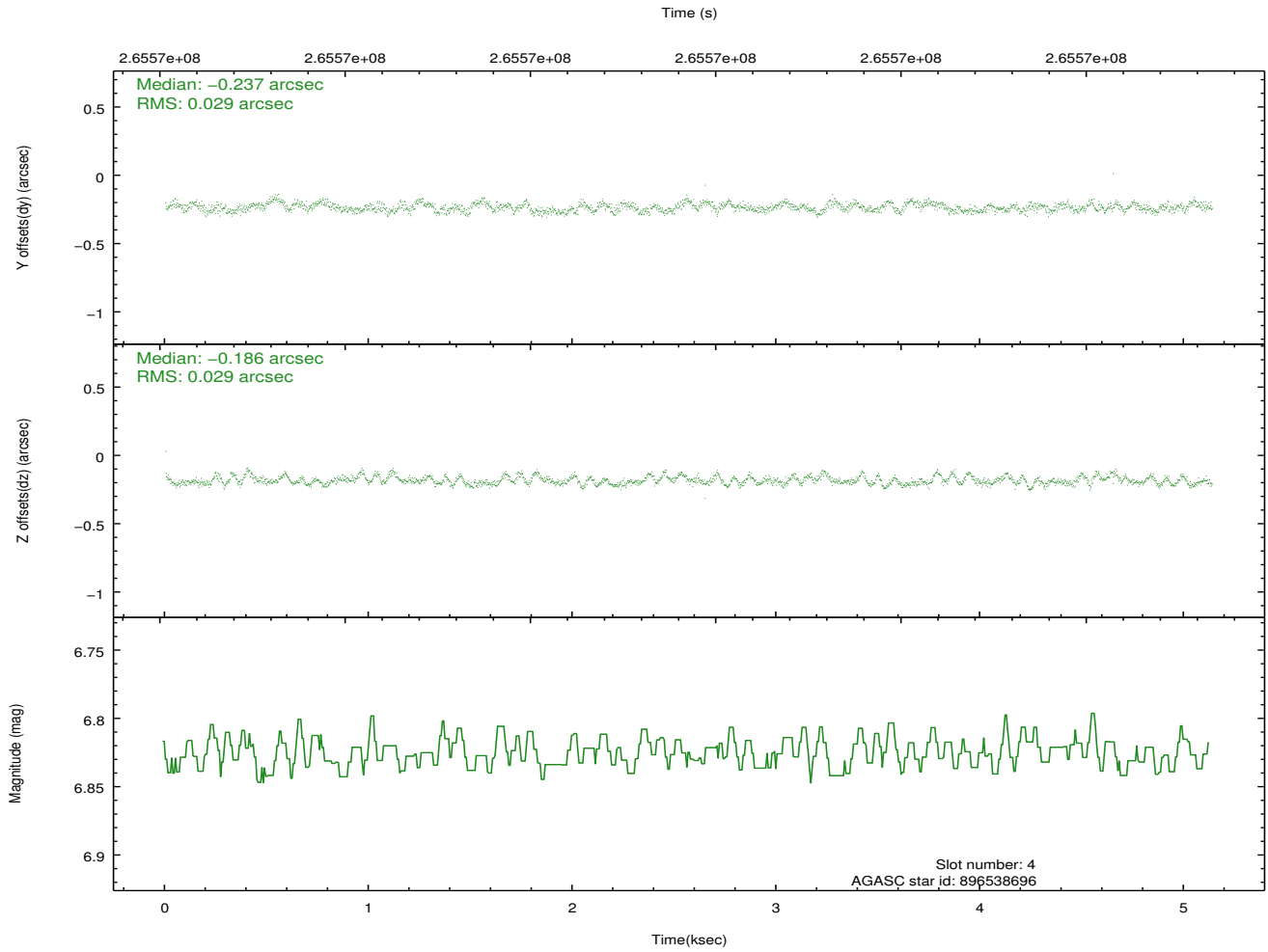
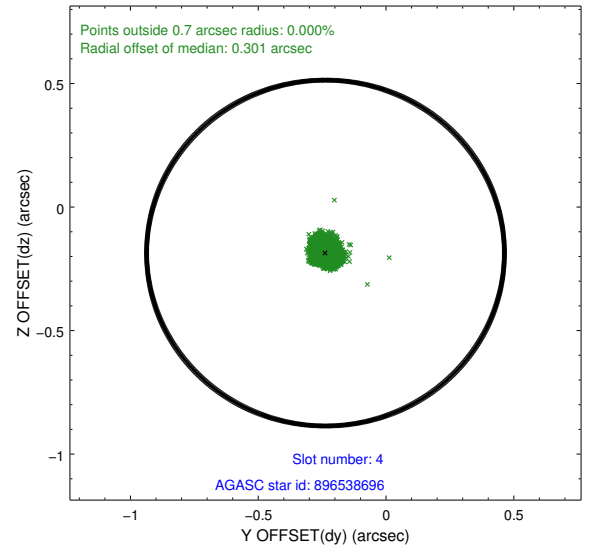
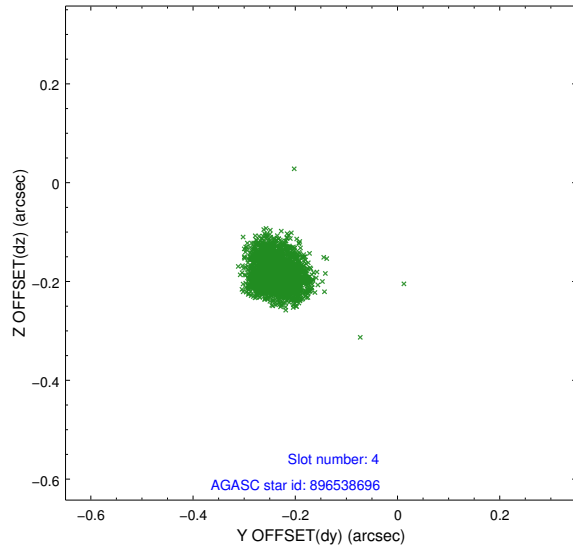
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1253	0.043	-0.047	0.007	0.012	0.000000	0.000000	931.96	-834.44
1	FID	ACIS-I-5	7.23	1253	-0.182	0.048	0.006	0.011	0.000000	0.000000	-1815.69	1062.58
2	FID	ACIS-I-6	7.24	1253	0.047	0.069	0.007	0.012	0.000000	0.000000	396.26	1708.42
3	GUIDE	896537776	7.52	2506	0.120	0.114	0.052	0.086	266.655684	-29.665673	-1887.61	-1473.48
4	GUIDE	896538696	6.83	2506	-0.237	-0.186	0.044	0.068	266.298470	-28.325572	2238.16	1265.97
5	GUIDE	896540808	7.44	2506	0.118	-0.109	0.042	0.066	265.985401	-29.308604	-1419.83	944.79
6	GUIDE	896533888	7.04	2506	0.058	0.079	0.054	0.084	266.666434	-29.392757	-955.44	-1162.67
7	GUIDE	896538208	7.97	2505	-0.057	0.105	0.061	0.097	267.176969	-28.671626	2036.48	-1772.85

2.4 Star Slots

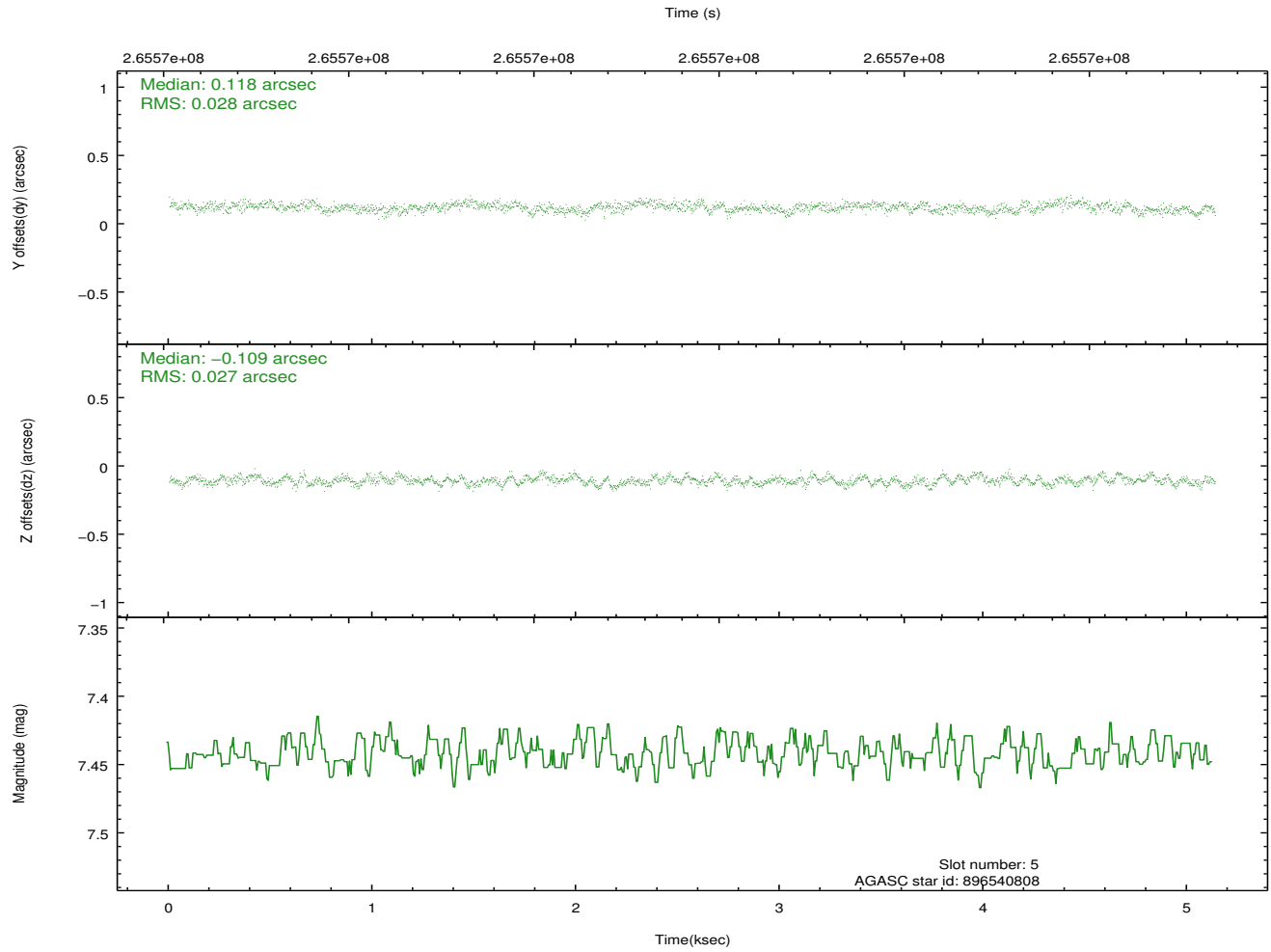
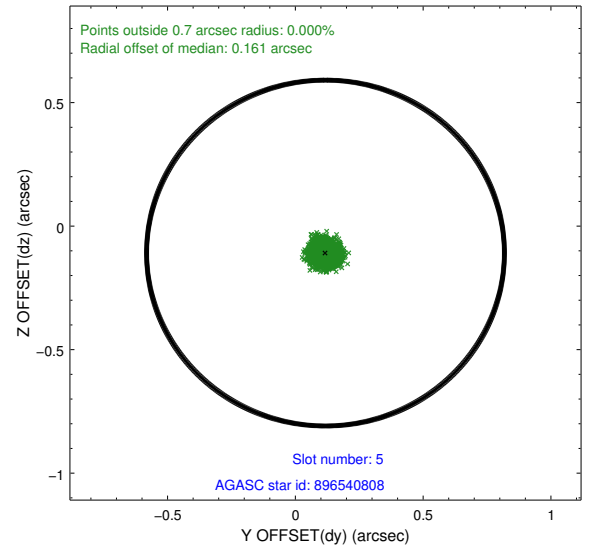
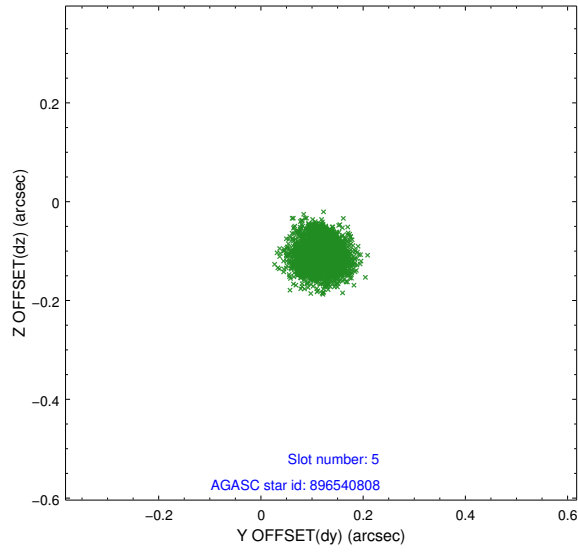
2.4.1 Slot 3



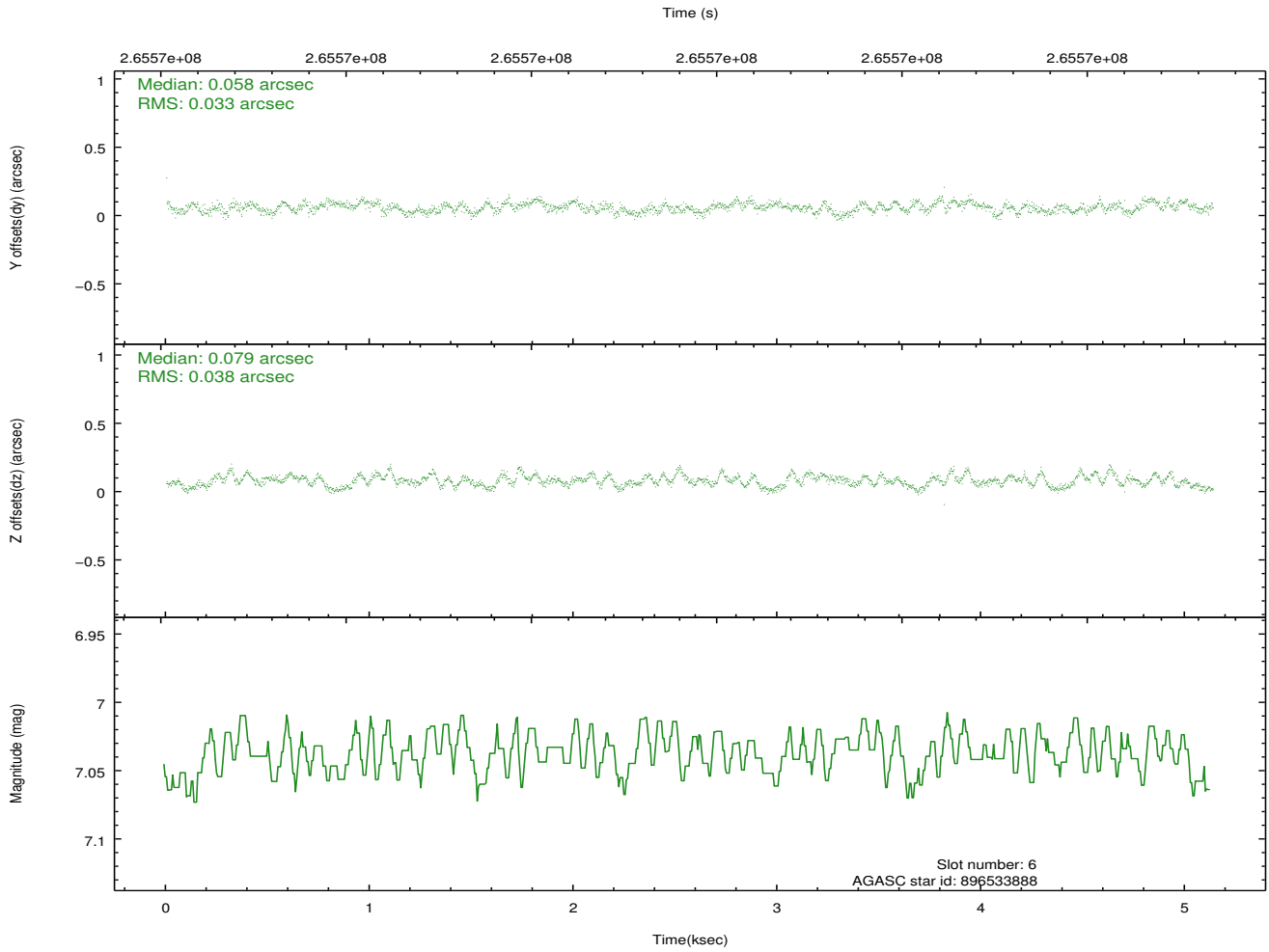
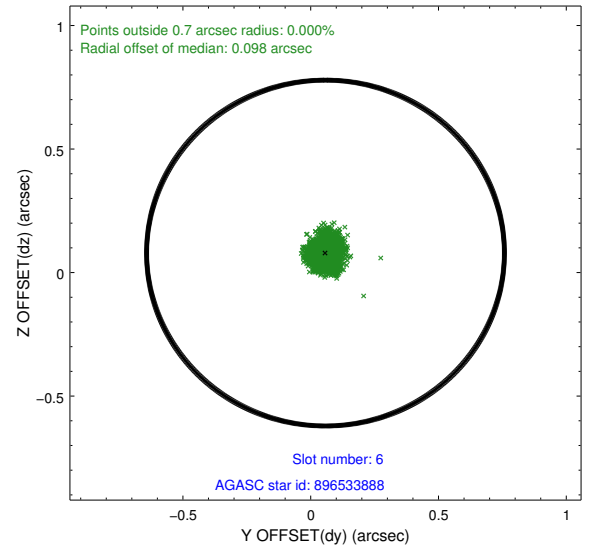
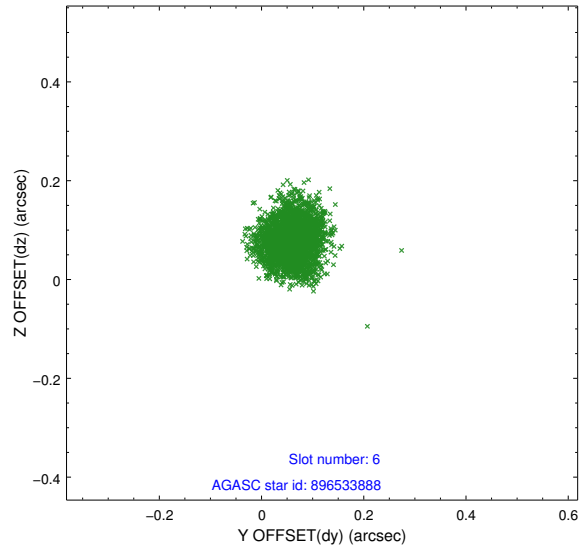
2.4.2 Slot 4



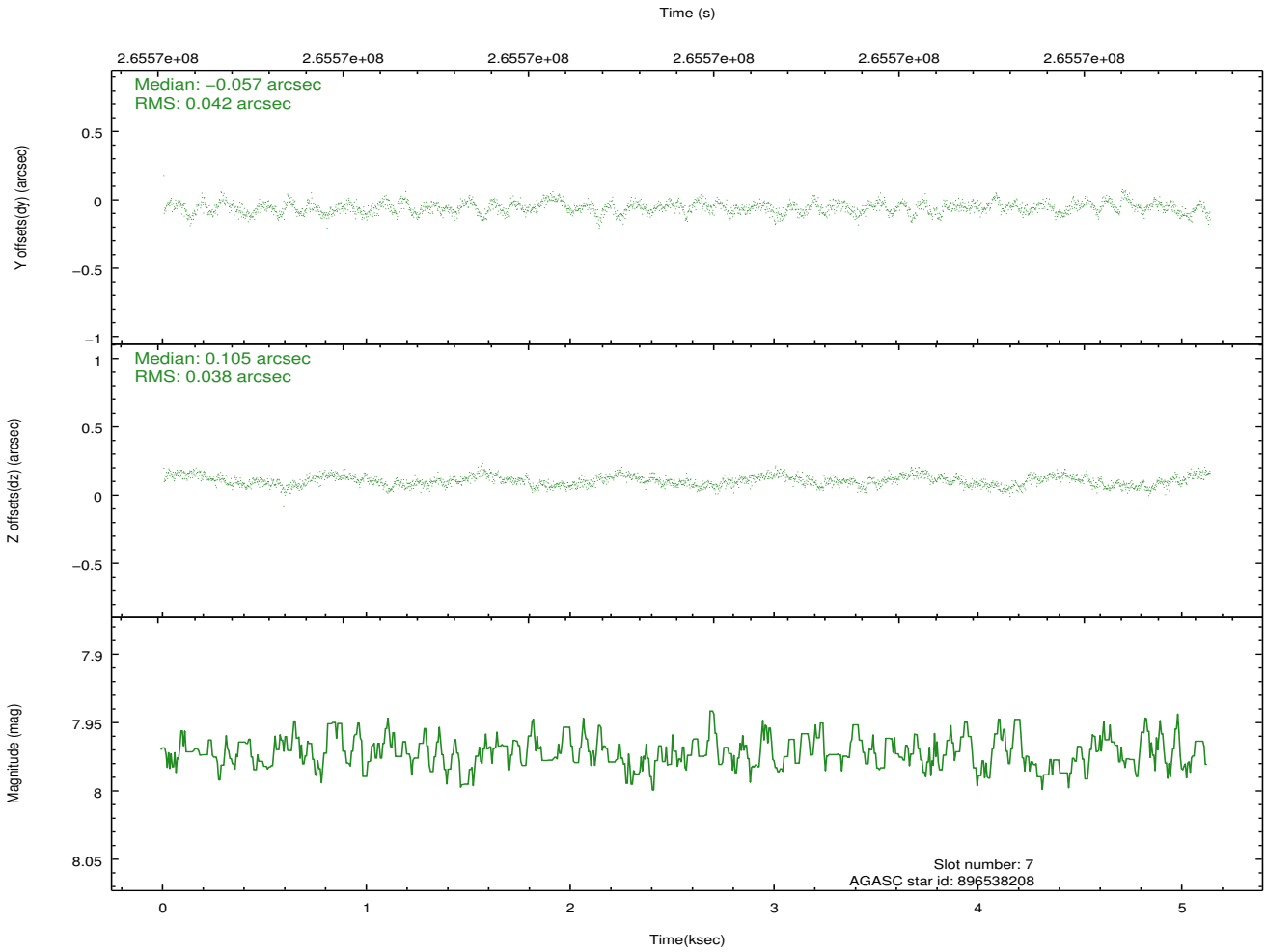
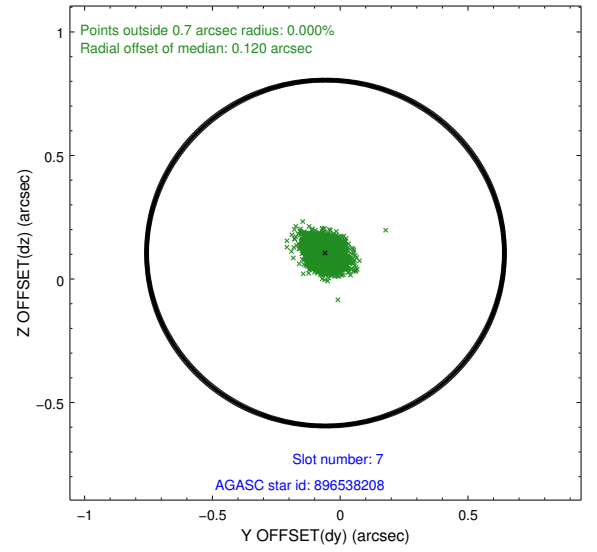
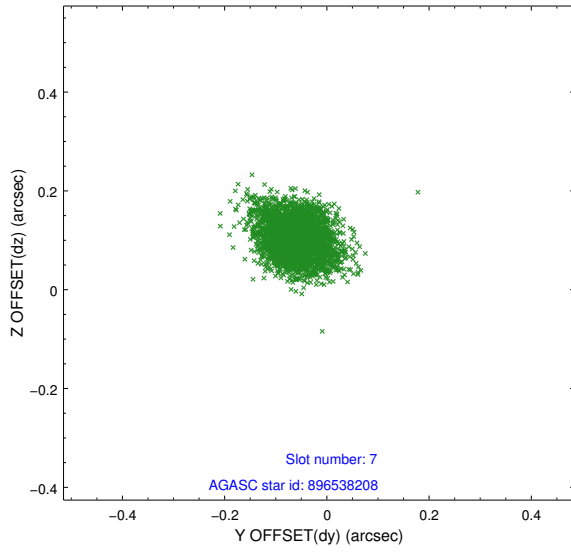
2.4.3 Slot 5



2.4.4 Slot 6

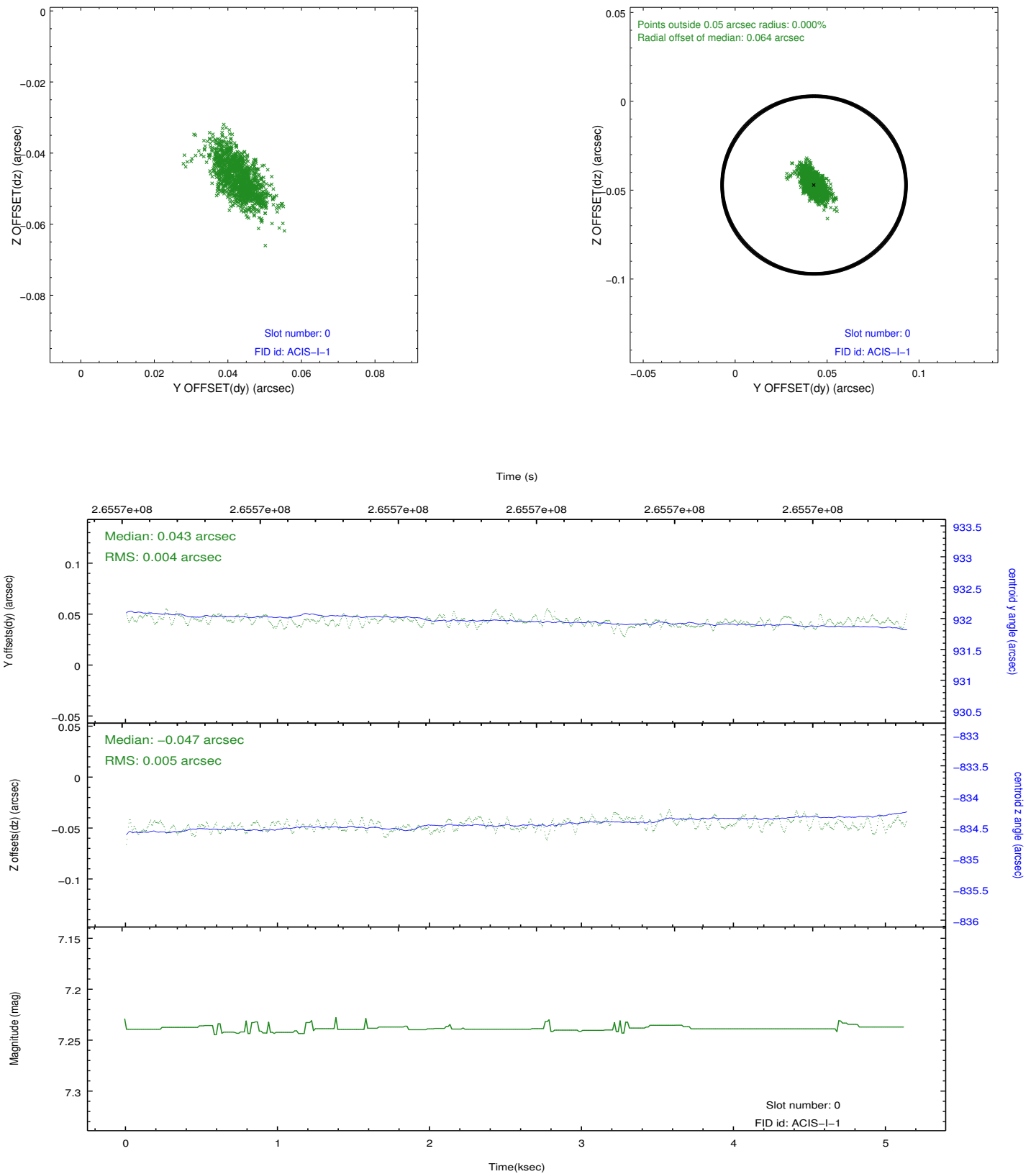


2.4.5 Slot 7

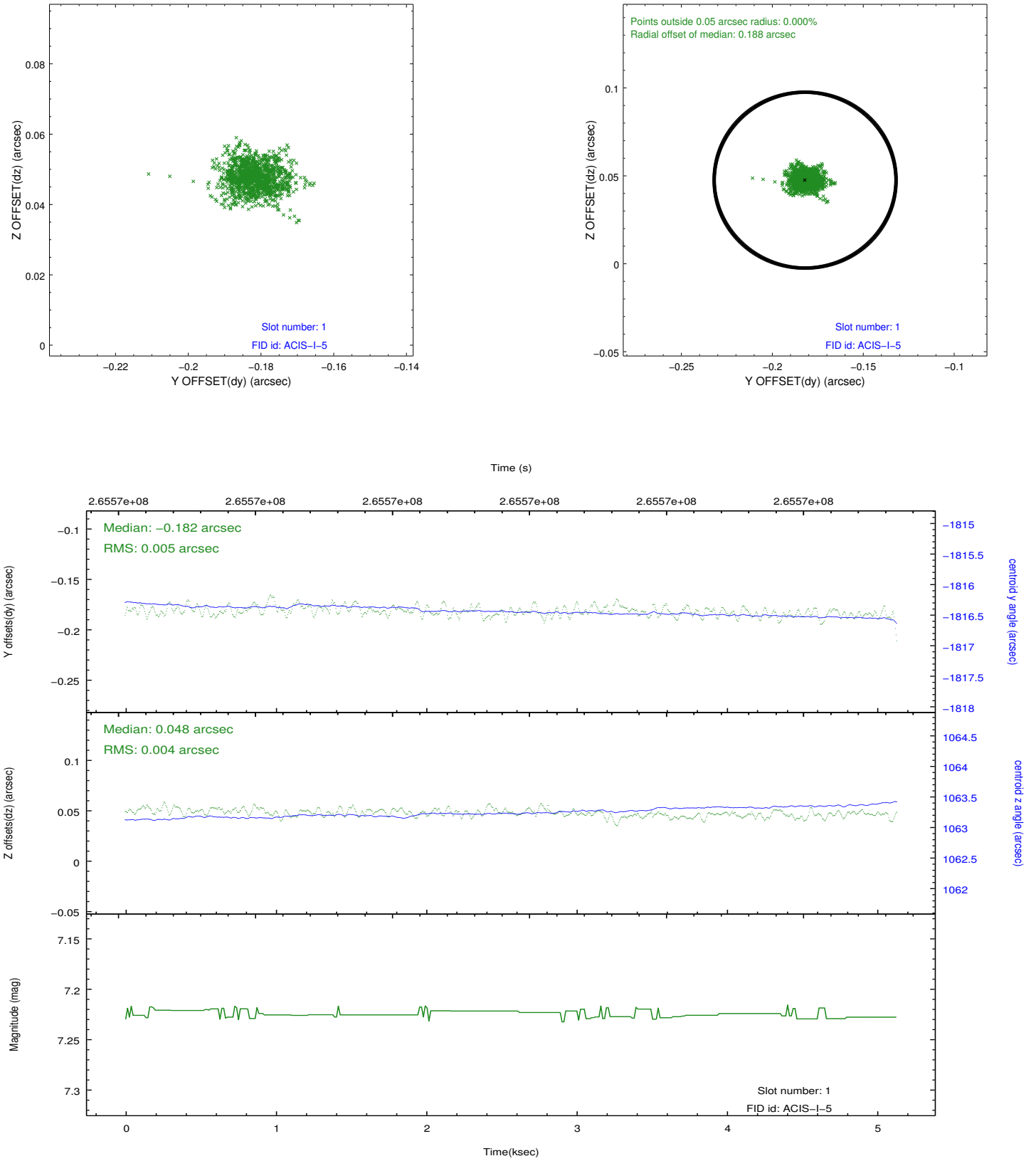


2.5 FID Slots

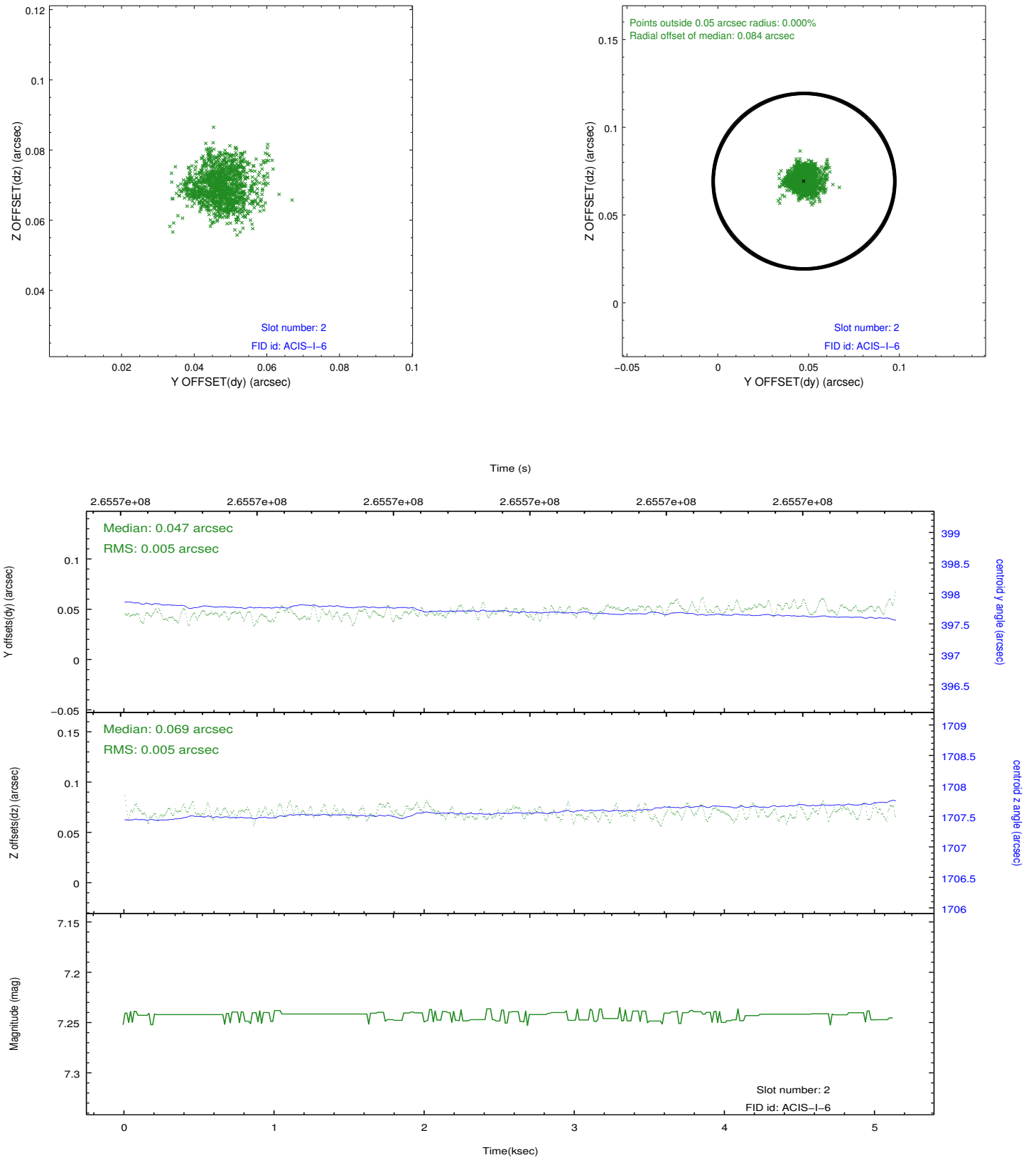
2.5.1 Slot 0



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)	2012.04.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.12739999

A.2 Comments

Monitor constraint met.