

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6645 - L2 Version 2
Chandra X-Ray Center

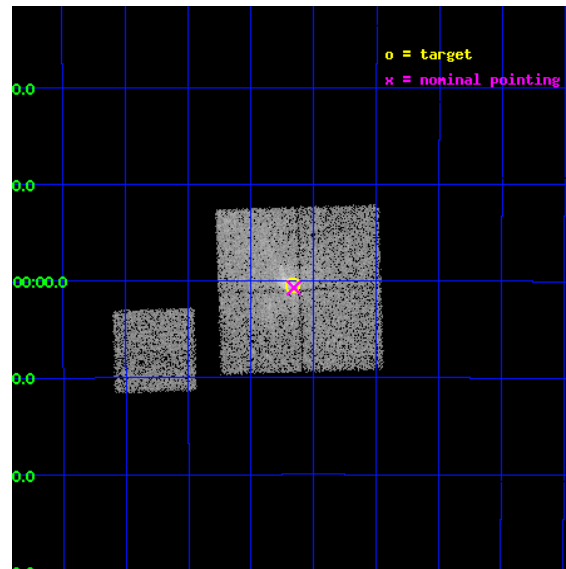
L2 Processing Date : Apr 10 2012

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1 Front

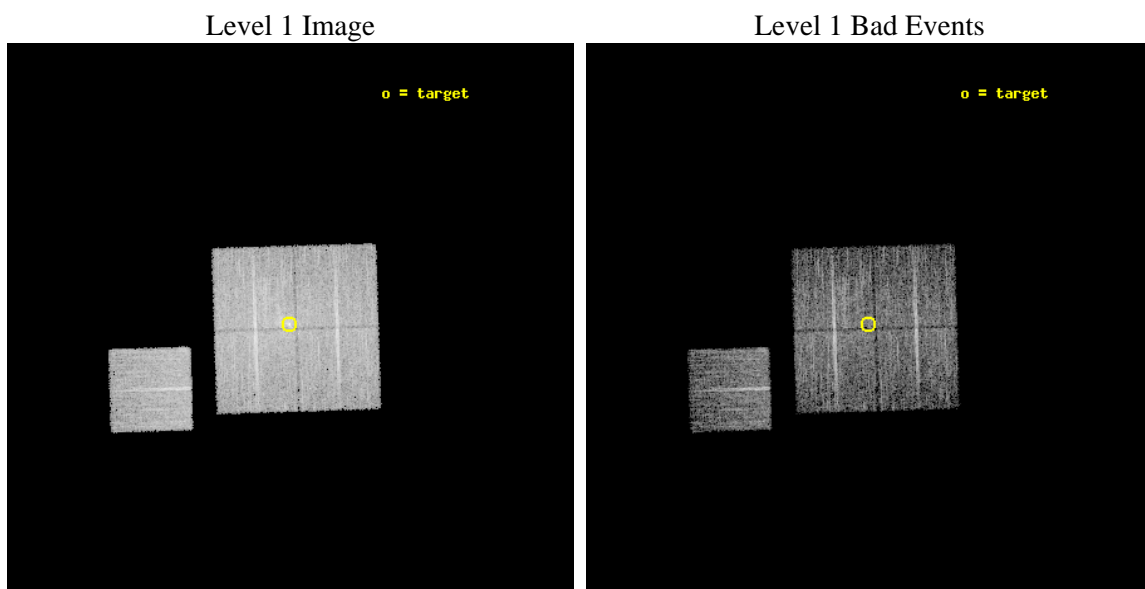
seq_num	400550	Sequence number
obs_id	6645	Observation id
title	Monitoring Faint X-ray Transients in the Galactic Center	Proposal
observer	Dr. Frederick Baganoff	Principal investigator
object	Sgr A*	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.007778	Observer's specified target Dec [deg]
ra_nom	266.41447958514	Nominal RA [deg]
dec_nom	-29.011975306567	Nominal Dec [deg]
roll_nom	268.25313392219	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5180.1000398397	Sum of GTIs [s]
livetime	5112.4182192851	Livetime [s]
ontime0	5176.9590595365	Sum of GTIs [s]
ontime1	5176.9590594769	Sum of GTIs [s]
ontime2	5180.1000398397	Sum of GTIs [s]
ontime3	5180.1000398397	Sum of GTIs [s]
ontime6	5180.1000398397	Sum of GTIs [s]
l2events	49995	Number of level 2 events



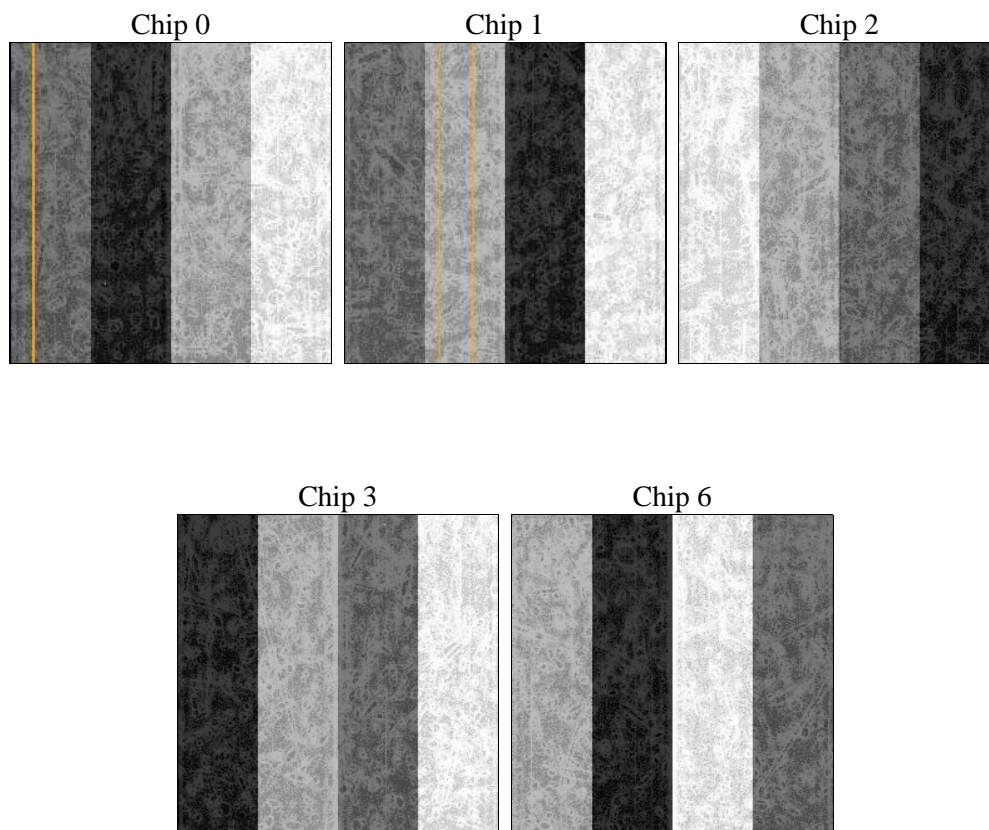
2 OBI

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	5180.1000398397	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	5176.9590595365	Sum of GTIs [s]
date	2012-04-10T09:02:20	Date and time of file creation	ontime1	5176.9590594769	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5180.1000398397	Sum of GTIs [s]
			ontime3	5180.1000398397	Sum of GTIs [s]
			ontime6	5180.1000398397	Sum of GTIs [s]
			l1events	259158	Number of level 1 events

2.1.4 Events

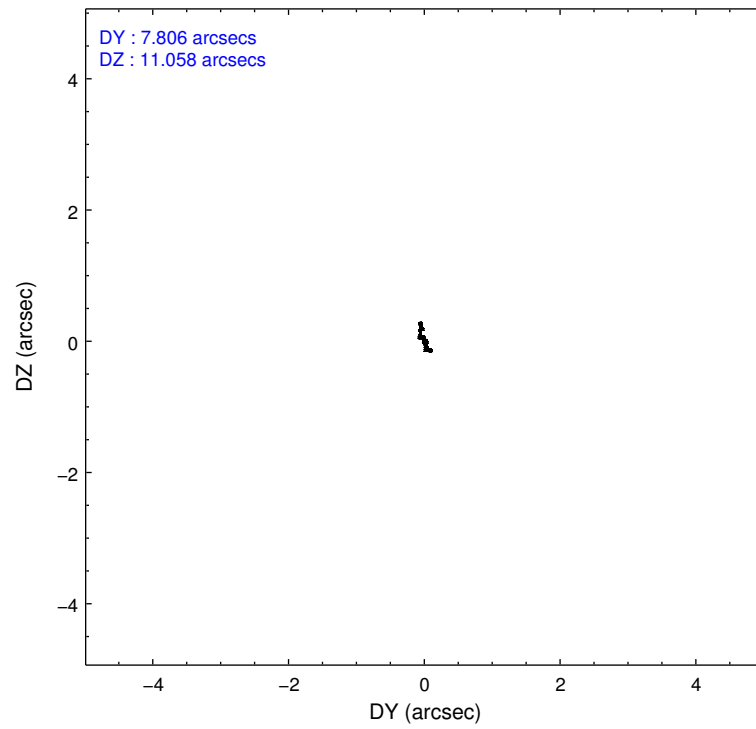
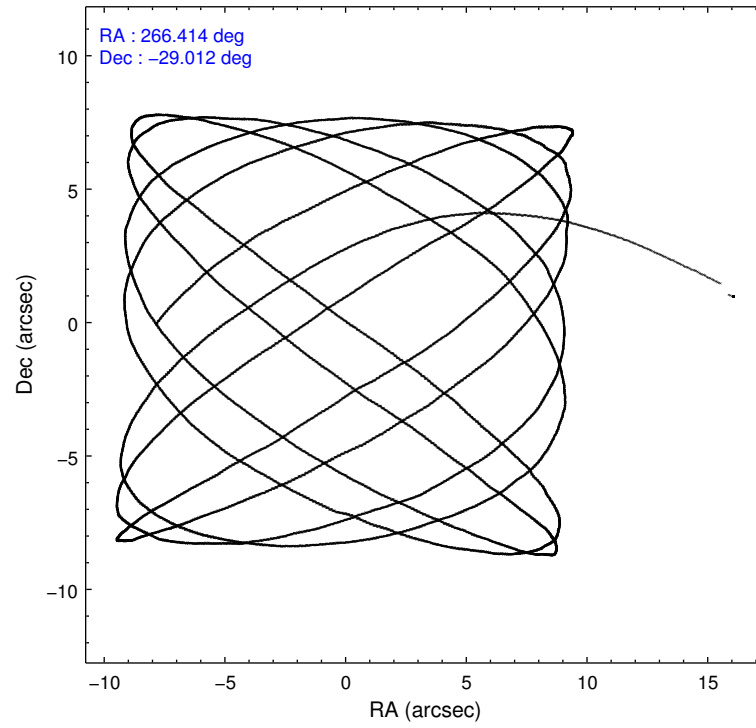
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	48069	48483	53581	58795	50230
rejected events	38201	38166	42615	42487	42562
rejected %	79%	78%	79%	72%	84%

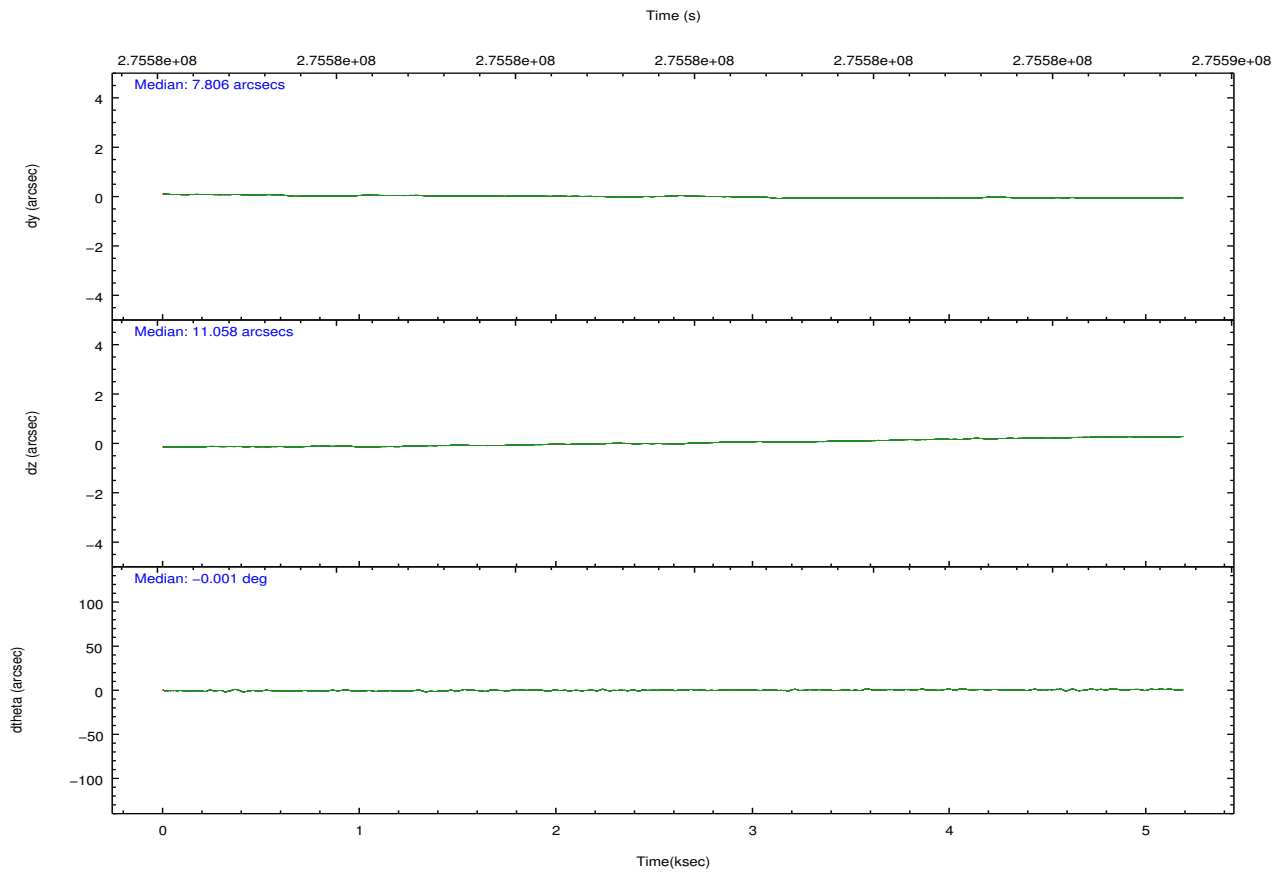
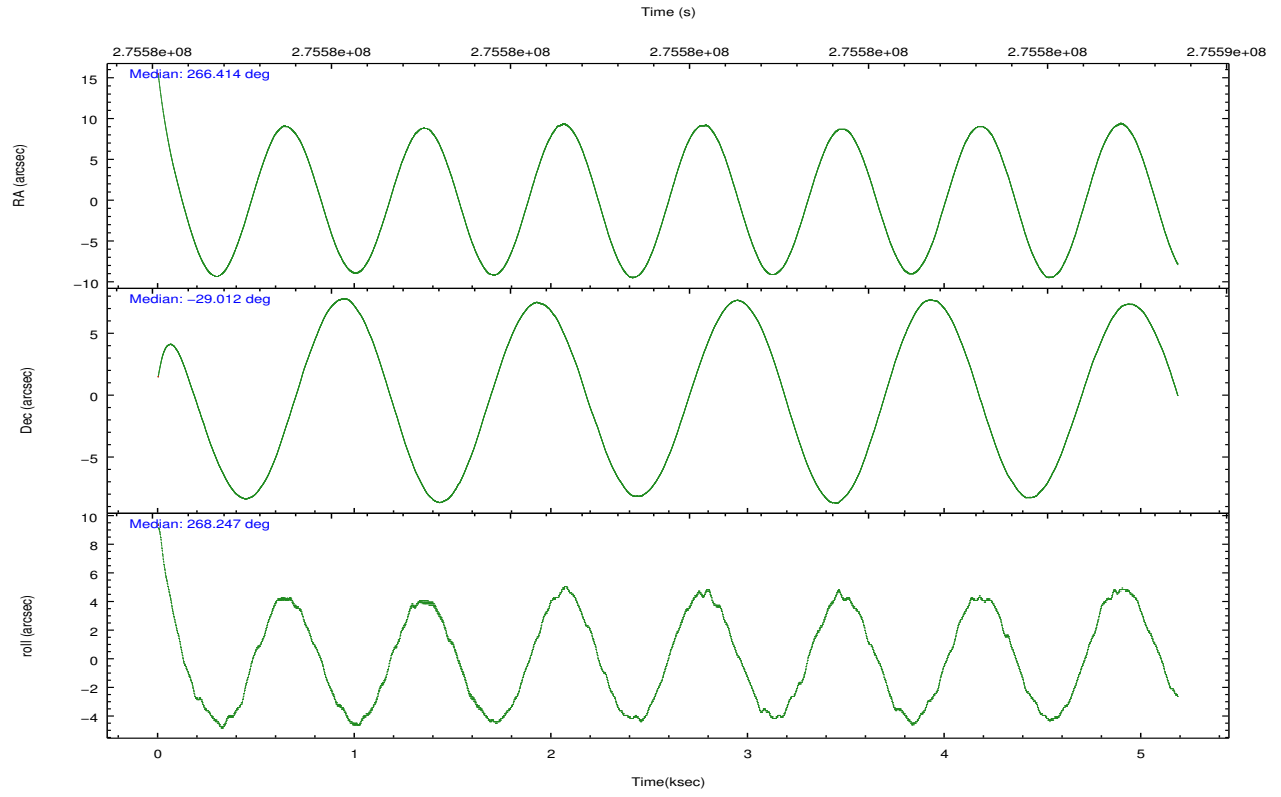
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	5532	5462	6458	10158	3734
	11%	11%	12%	17%	7%
grade 1 events	40	37	62	80	29
	0%	0%	0%	0%	0%
grade 2 events	1790	2020	1815	2516	1475
	3%	4%	3%	4%	2%
grade 3 events	694	767	773	1039	656
	1%	1%	1%	1%	1%
grade 4 events	727	776	797	1097	673
	1%	1%	1%	1%	1%
grade 5 events	1887	2093	1851	2269	2209
	3%	4%	3%	3%	4%
grade 6 events	1339	1509	1372	1839	1282
	2%	3%	2%	3%	2%
grade 7 events	36060	35819	40453	39797	40172
	75%	73%	75%	67%	79%

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	266.399522	266.4144795851403	Subarray requested	NONE	NONE
[deg] Pointing Dec	-28.987917	-29.01197530656706	Alternating exposures requested	N	N
[deg] Pointing Roll	268.037196	268.2531339221852	[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)	275580477.184000	275579435.44511			
Observation start date	2006-09-25T14:06:52	2006-09-25T13:50:35			
[s] Observation end time (MET)	275585477.184000	275586203.52043			
Observation end date	2006-09-25T15:30:12	2006-09-25T15:43:23			
Read mode	TIMED	TIMED			

2.3 Aspect



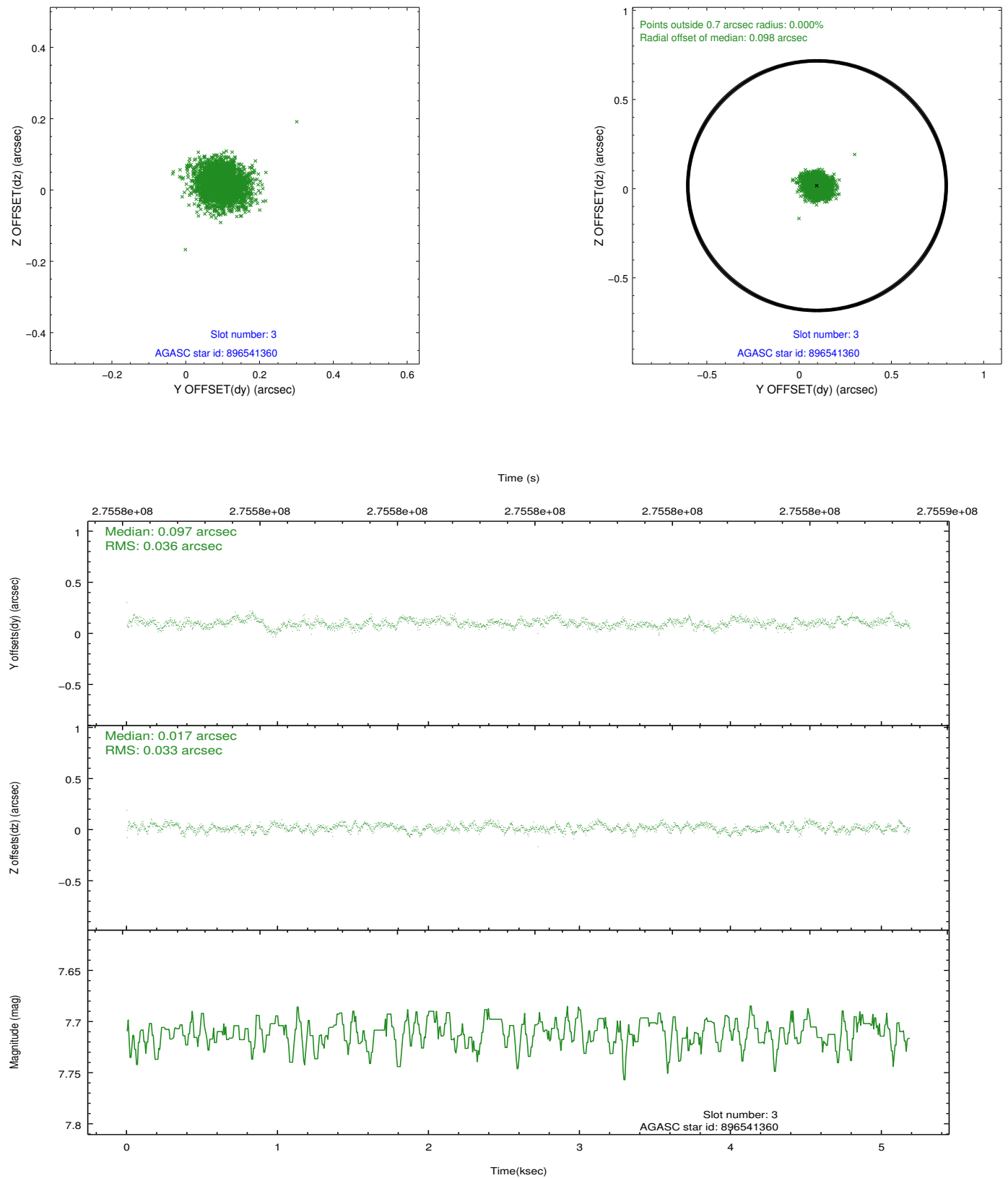


Slot Statistics

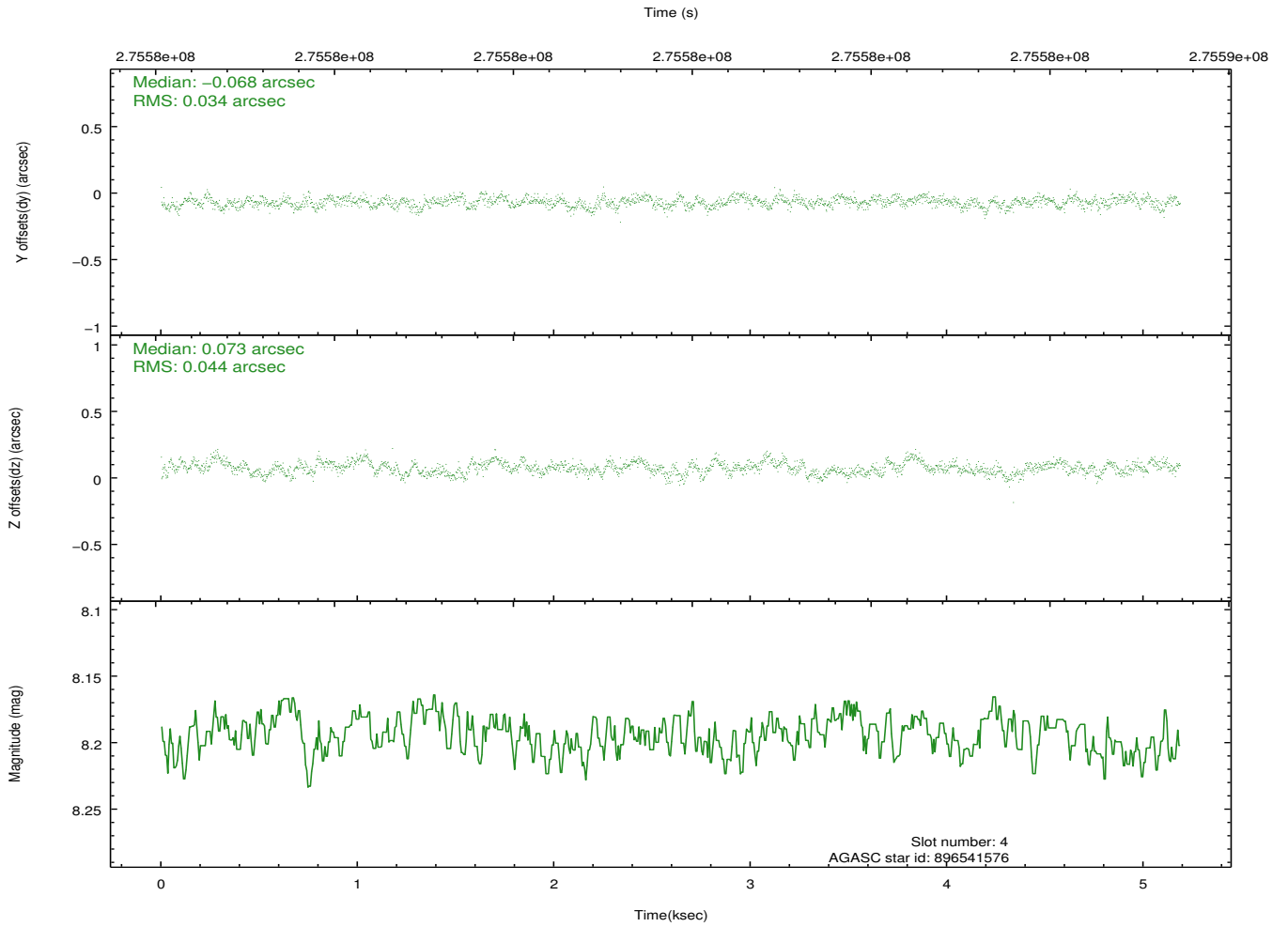
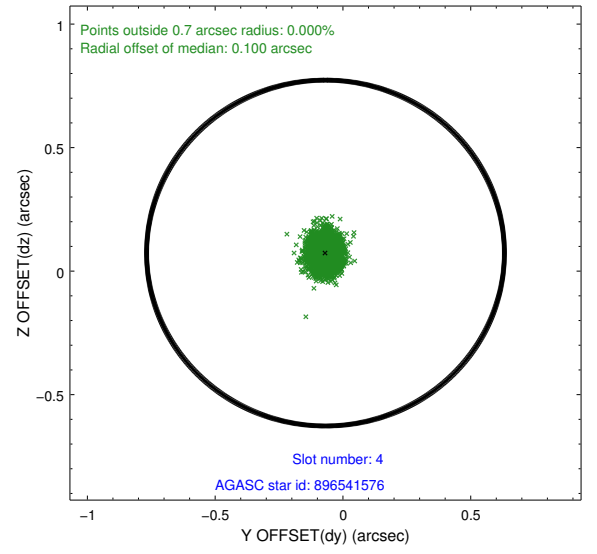
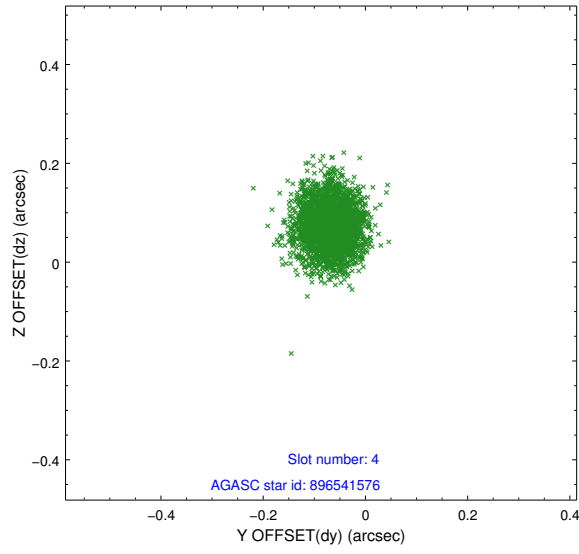
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	1266	0.046	-0.045	0.007	0.012	0.000000	0.000000	931.89	-834.64
1	FID	ACIS-I-5	7.23	1265	-0.181	0.052	0.007	0.012	0.000000	0.000000	-1815.77	1062.40
2	FID	ACIS-I-6	7.25	1265	0.043	0.063	0.009	0.013	0.000000	0.000000	396.20	1708.20
3	GUIDE	896541360	7.71	2531	0.097	0.017	0.053	0.084	266.684478	-29.453744	1646.82	950.39
4	GUIDE	896541576	8.19	2531	-0.068	0.073	0.059	0.094	267.051055	-28.762912	-873.64	2027.70
5	GUIDE	896403224	8.28	2531	0.228	-0.126	0.090	0.140	265.612825	-29.438915	1716.06	-2408.27
6	GUIDE	896404568	7.86	2531	-0.279	-0.053	0.061	0.094	265.687293	-28.431080	-1918.56	-2323.22
7	GUIDE	896537776	7.54	2530	0.024	0.094	0.056	0.090	266.655684	-29.665673	2411.44	883.89

2.4 Star Slots

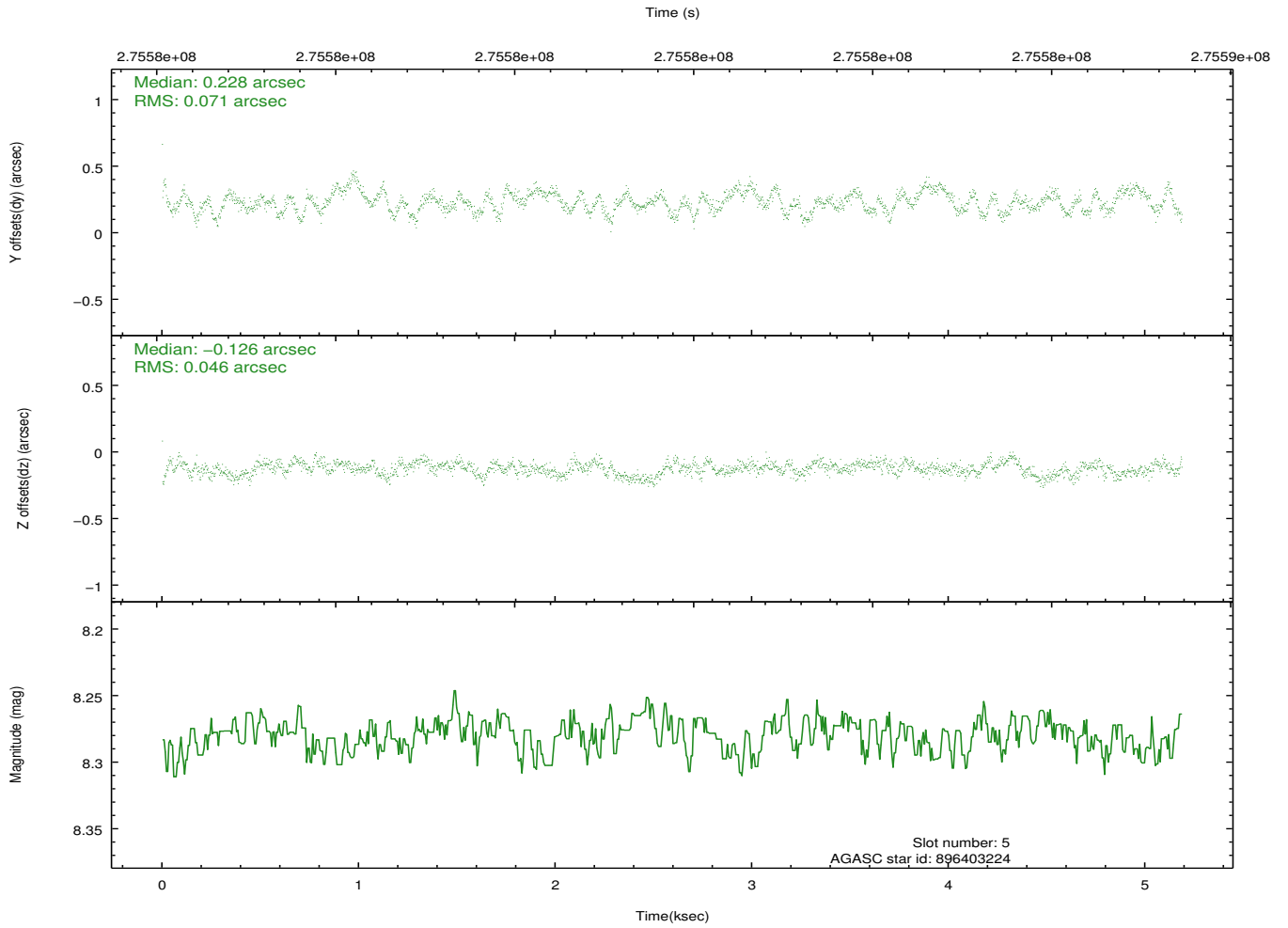
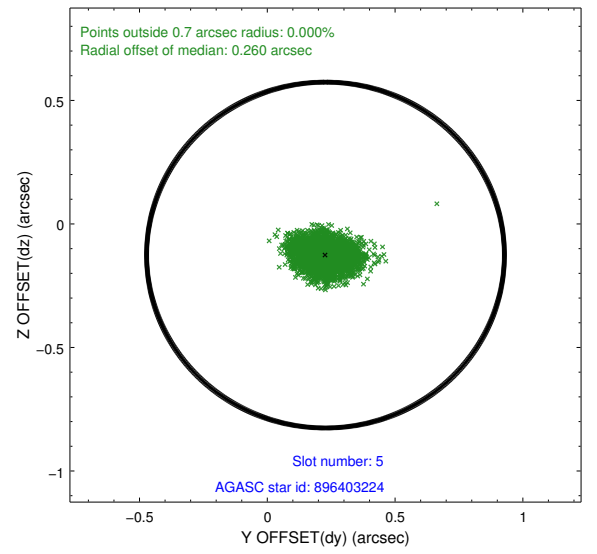
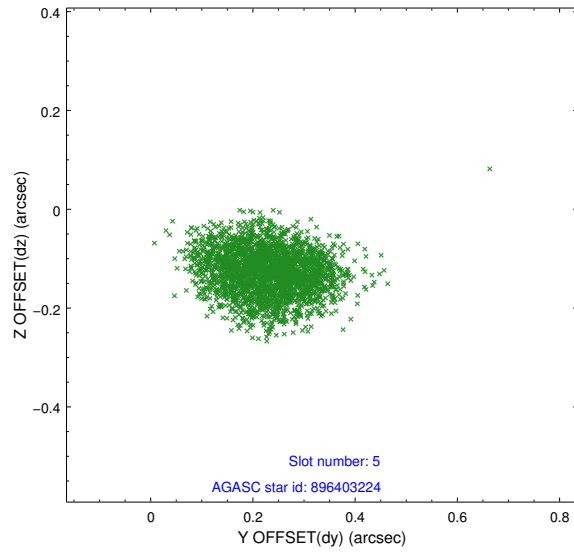
2.4.1 Slot 3



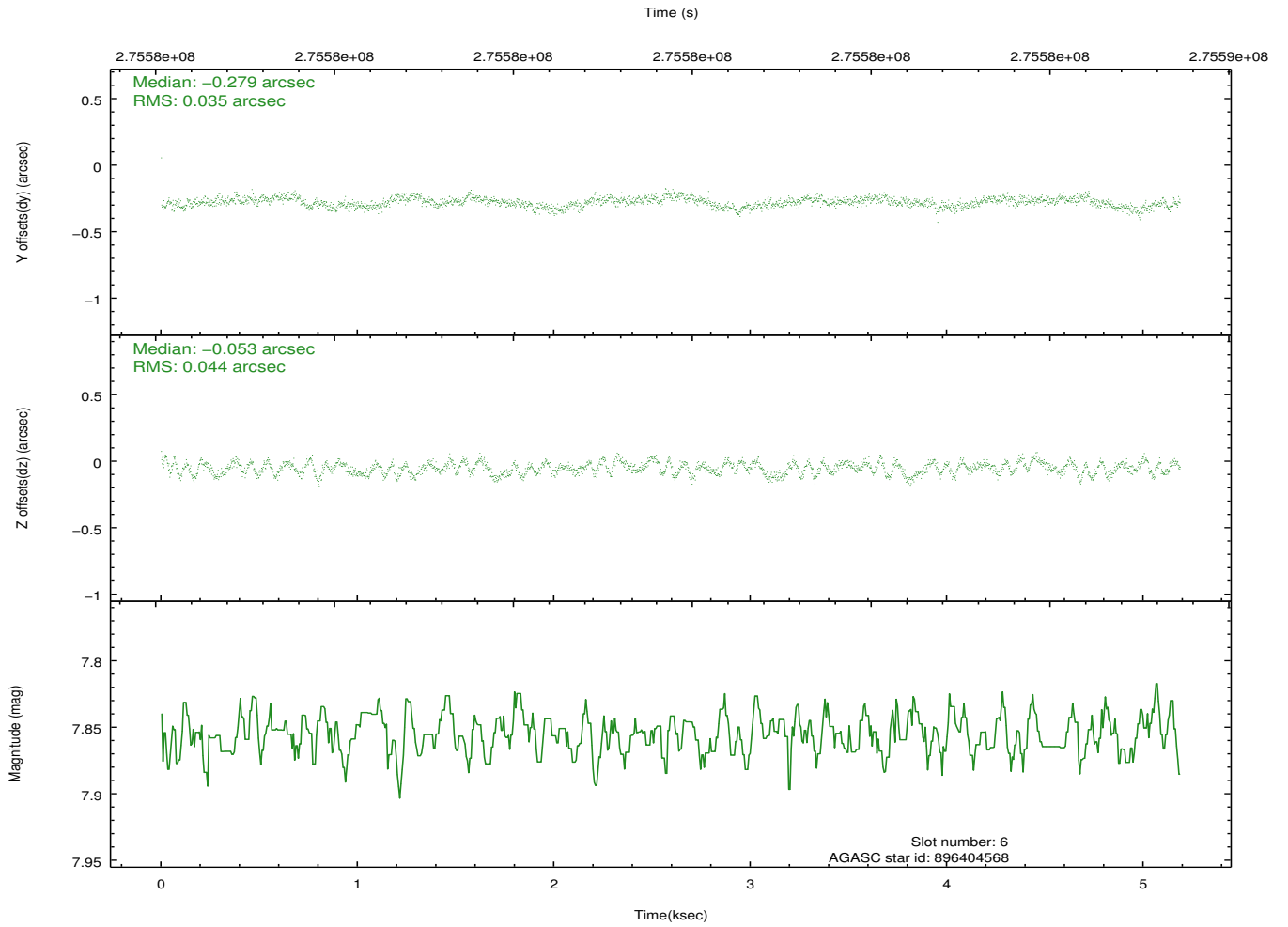
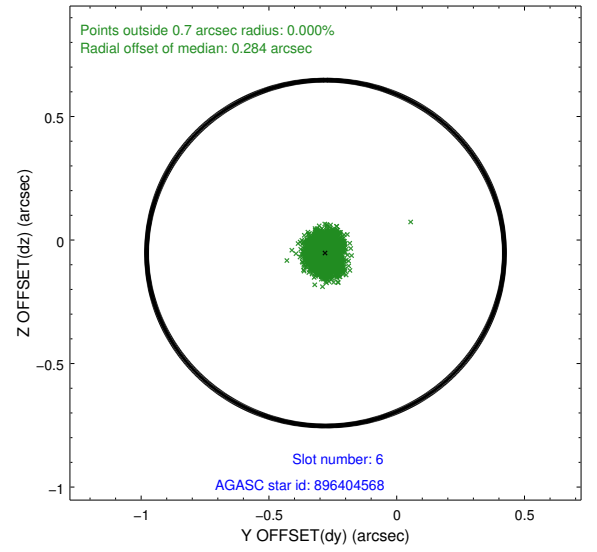
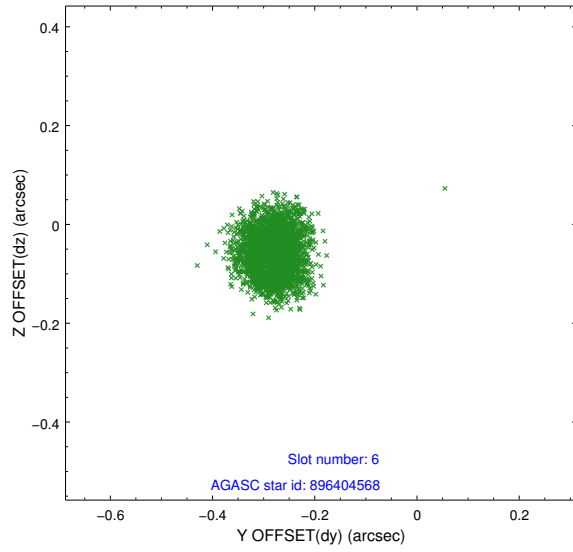
2.4.2 Slot 4



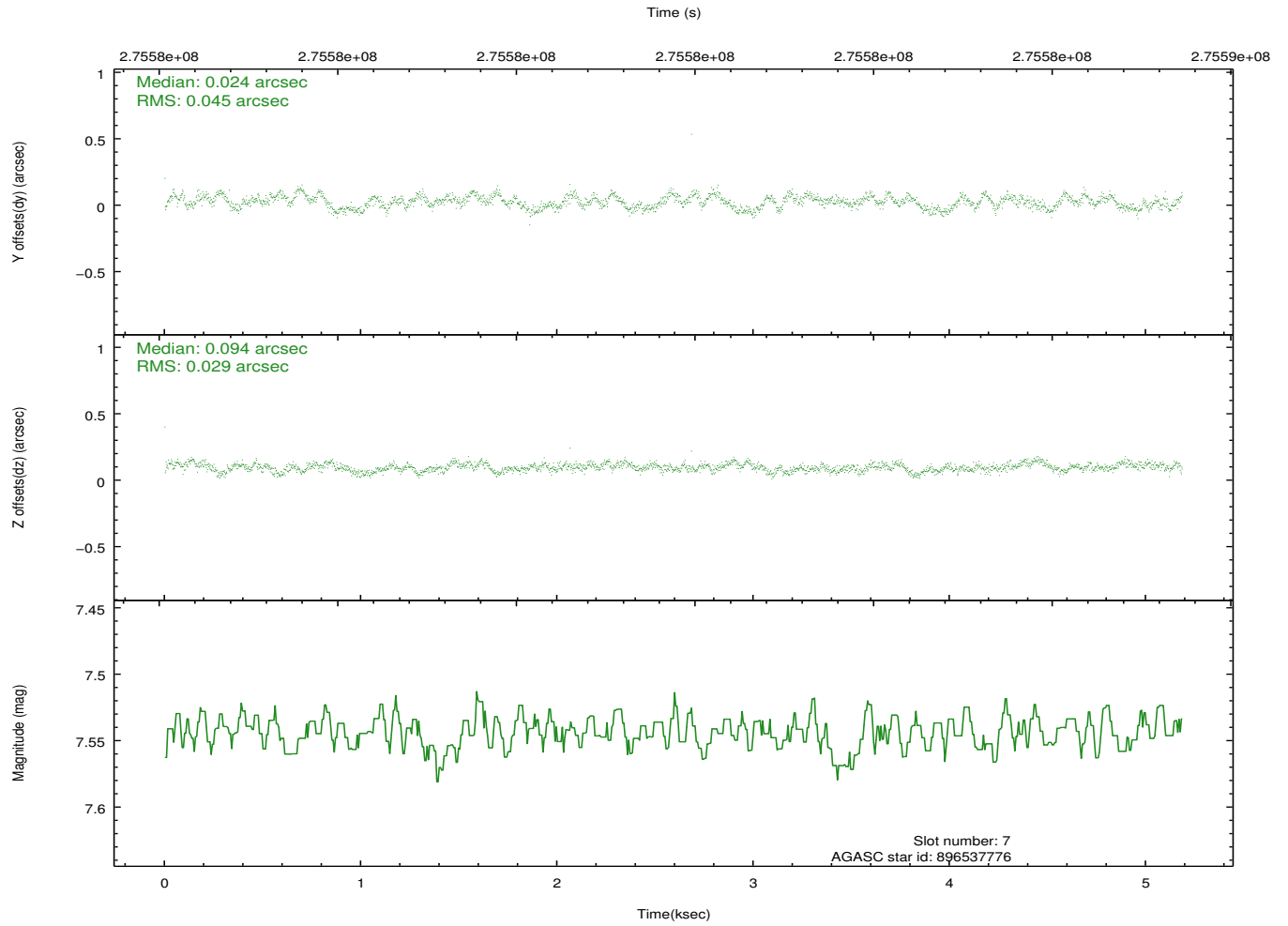
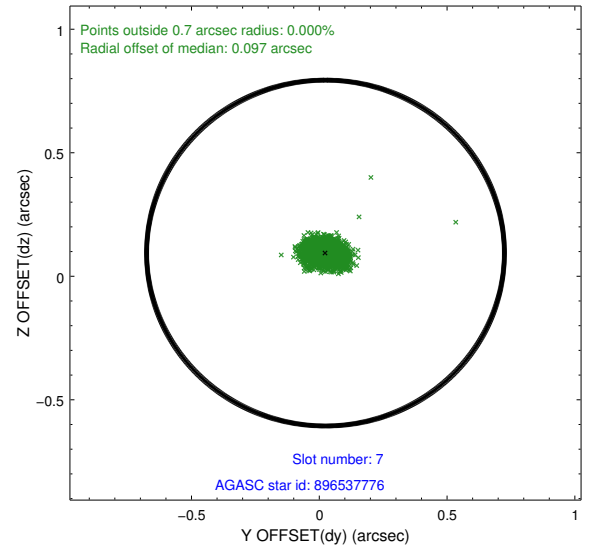
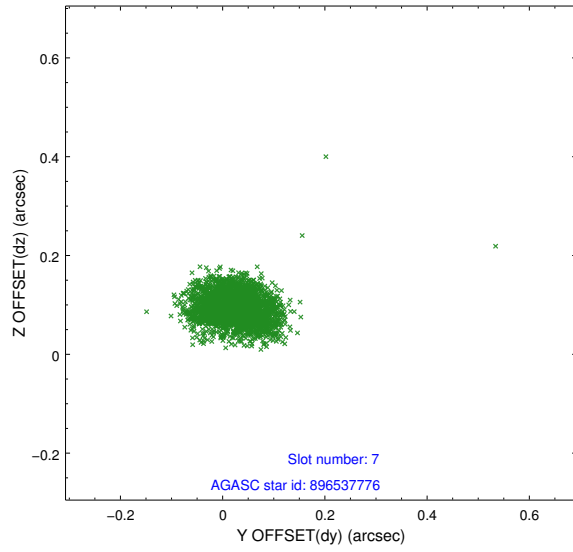
2.4.3 Slot 5



2.4.4 Slot 6

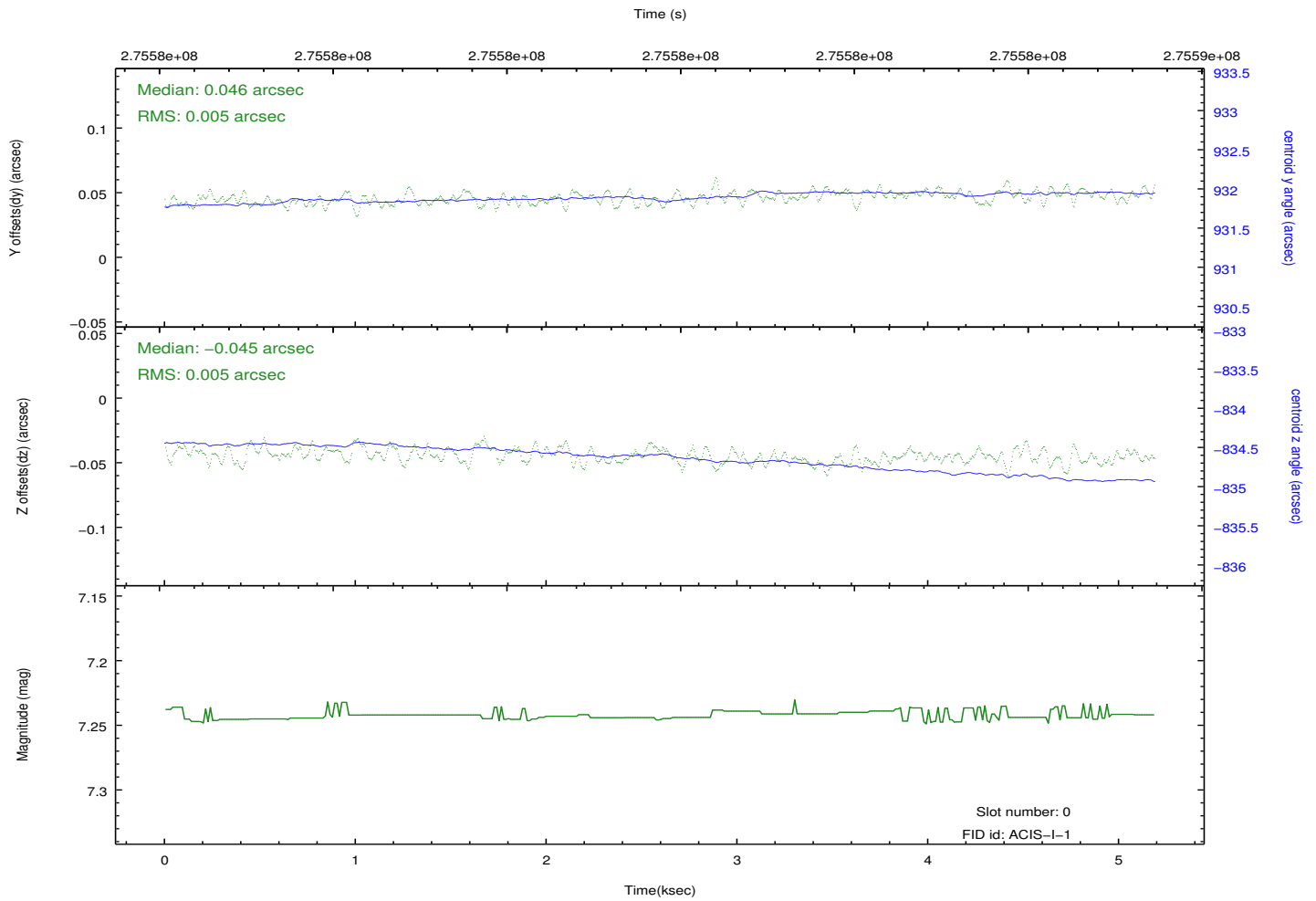
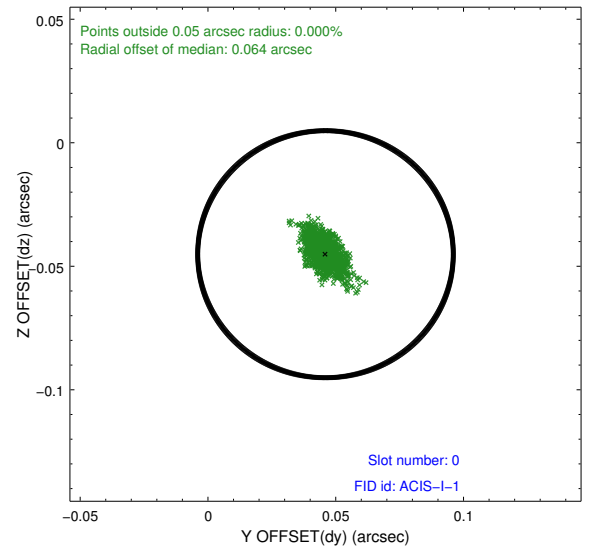
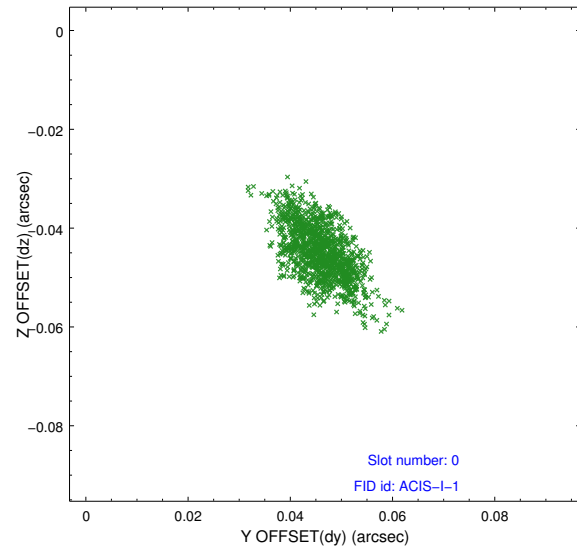


2.4.5 Slot 7

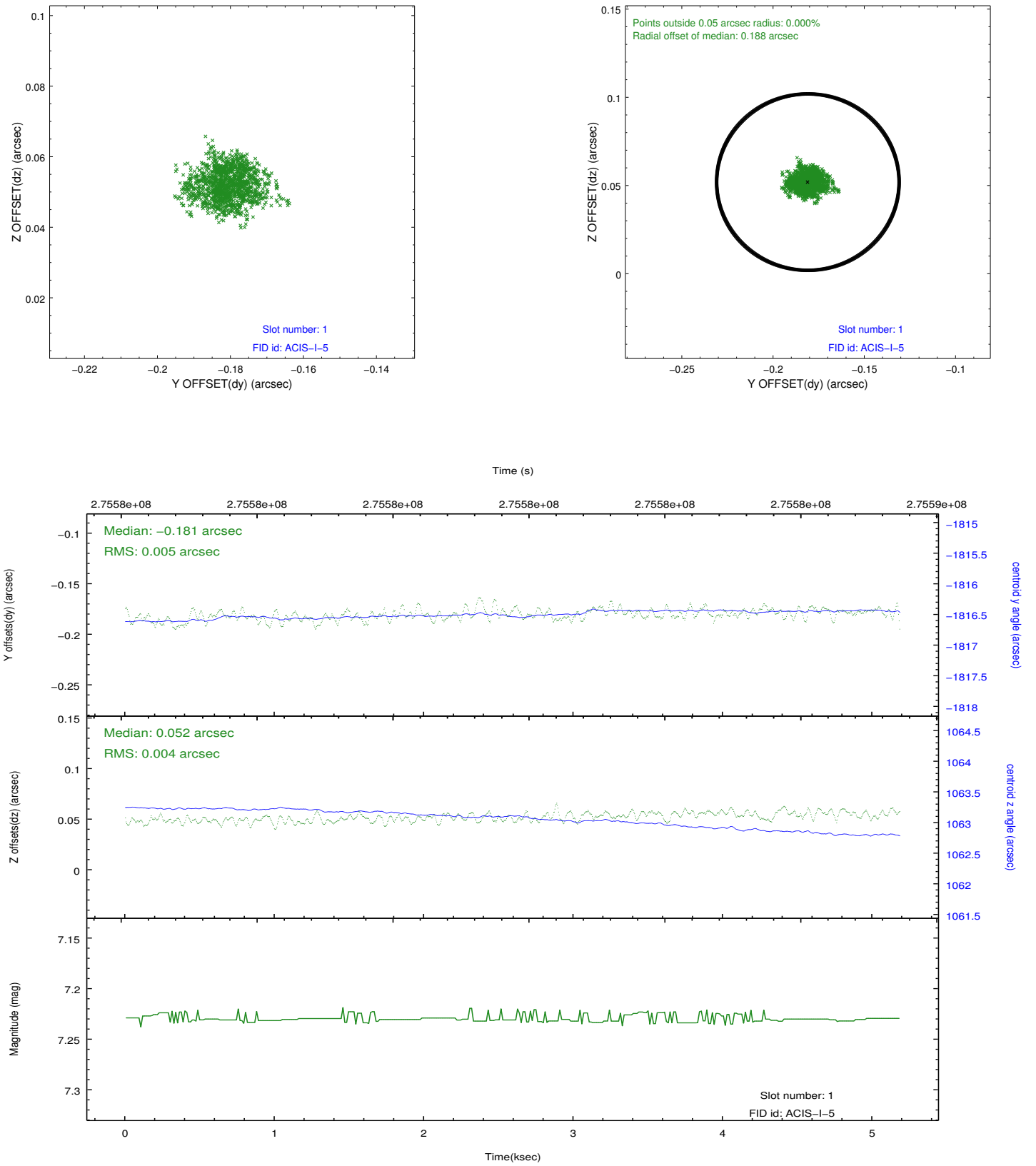


2.5 FID Slots

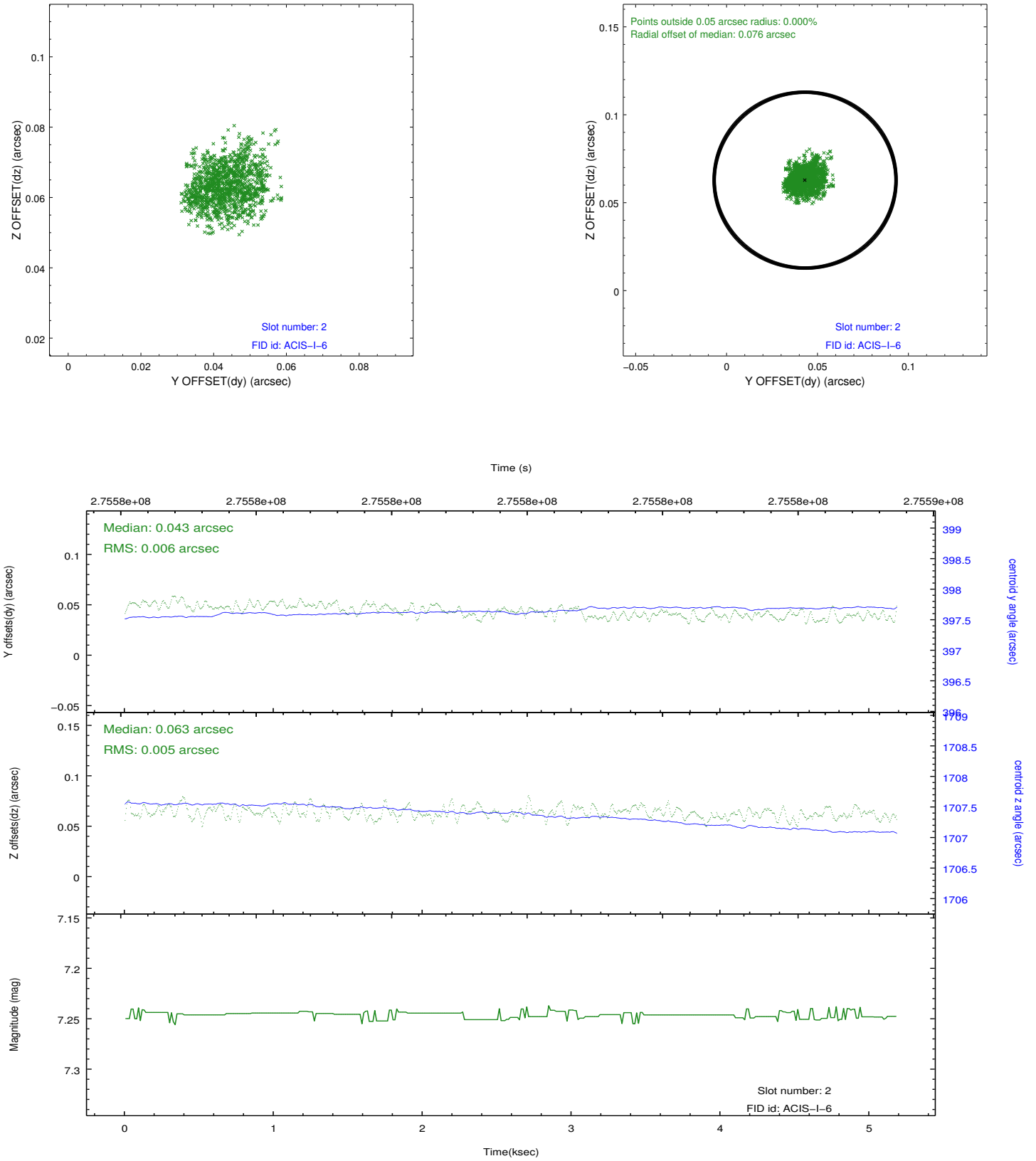
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.18010003

A.2 Comments