

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7558 - L2 Version 2
Chandra X-Ray Center

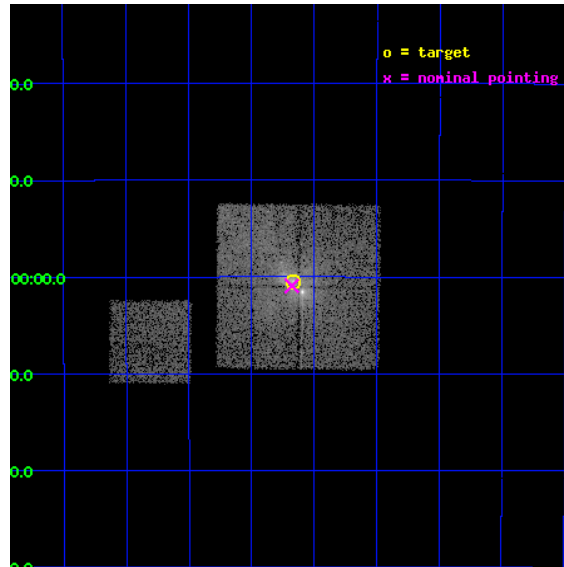
L2 Processing Date : Apr 30 2012

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1 Front

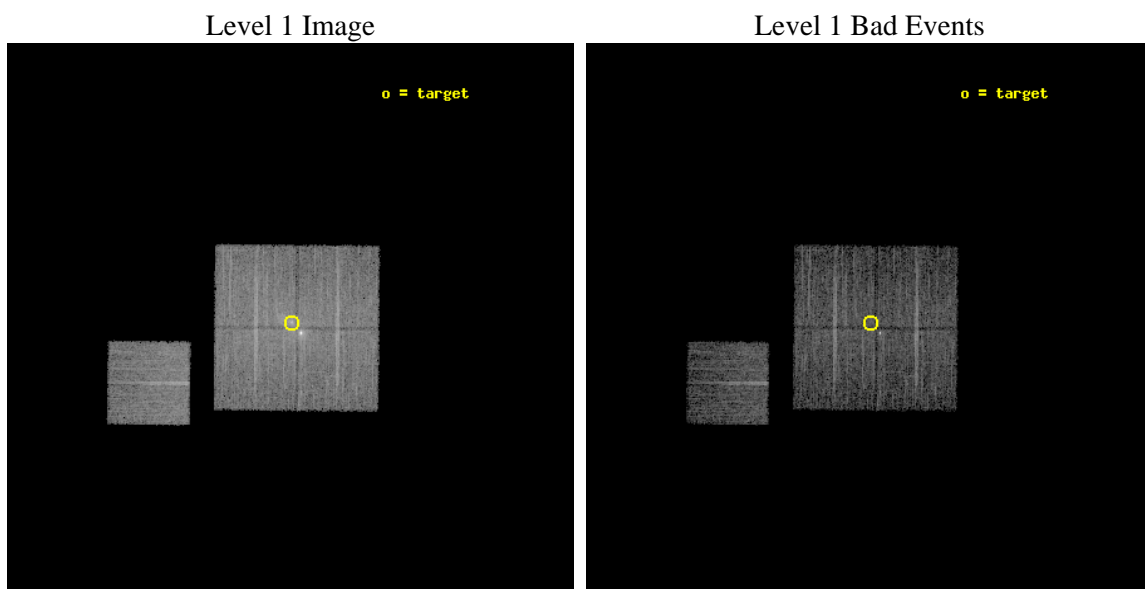
seq_num	400668	Sequence number
obs_id	7558	Observation id
title	Monitoring Faint X-ray Transients in the Galactic Center	Proposal
observer	Dr. Frederick Baganoff	Principal investigator
object	Sgr A*	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	266.416667	Observer's specified target RA [deg]
dec_targ	-29.007778	Observer's specified target Dec [deg]
ra_nom	266.41944971744	Nominal RA [deg]
dec_nom	-29.015424909595	Nominal Dec [deg]
roll_nom	270.52920421849	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5043.7000387907	Sum of GTIs [s]
livetime	4977.800384666	Livetime [s]
ontime0	5043.7000387907	Sum of GTIs [s]
ontime1	5043.7000387907	Sum of GTIs [s]
ontime2	5043.7000387907	Sum of GTIs [s]
ontime3	5043.7000387907	Sum of GTIs [s]
ontime6	5043.7000387907	Sum of GTIs [s]
l2events	51730	Number of level 2 events



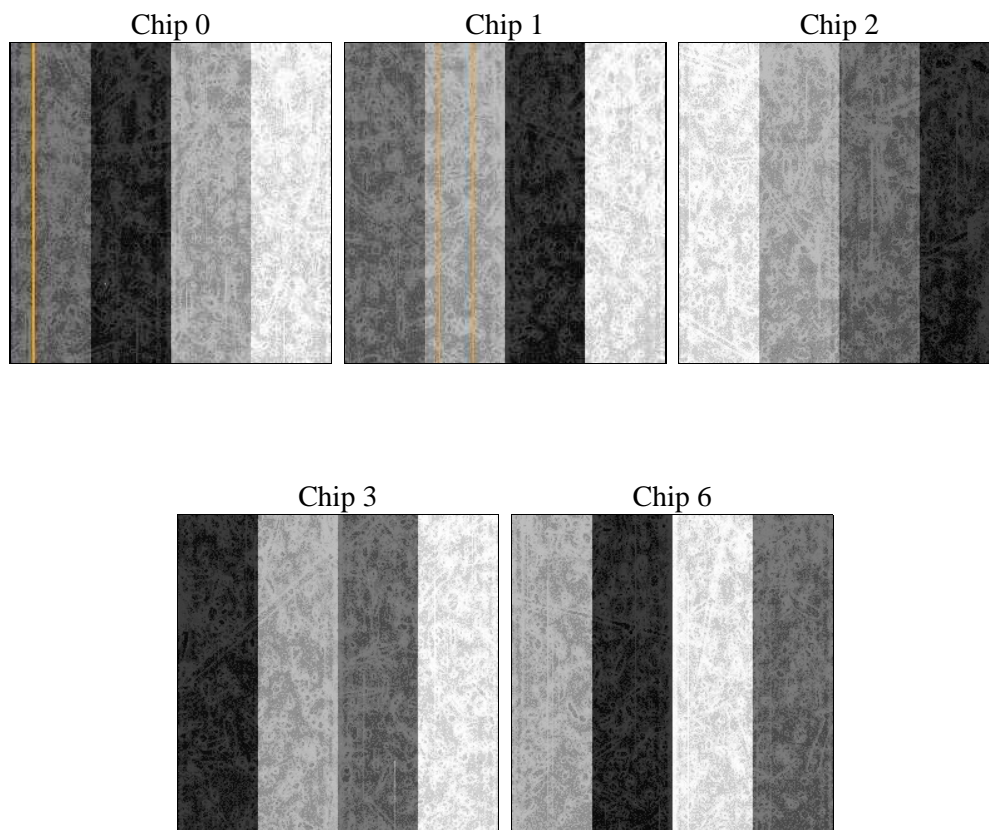
2 OBI

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	8.4.4	Processing system revision	ontime	5043.7000387907	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	5043.7000387907	Sum of GTIs [s]
date	2012-04-30T13:07:24	Date and time of file creation	ontime1	5043.7000387907	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5043.7000387907	Sum of GTIs [s]
			ontime3	5043.7000387907	Sum of GTIs [s]
			ontime6	5043.7000387907	Sum of GTIs [s]
			l1events	265587	Number of level 1 events

2.1.4 Events

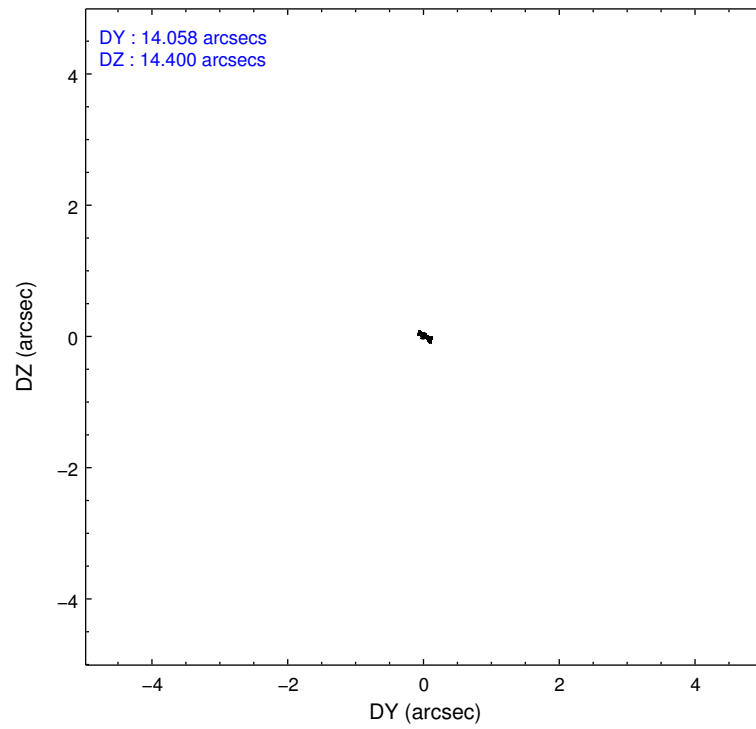
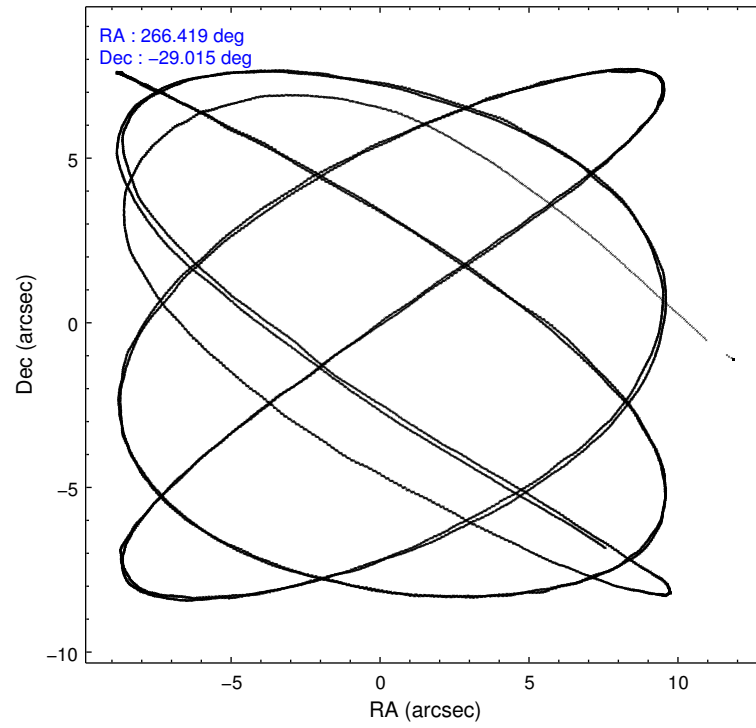
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	54533	49801	53295	58884	49074
rejected events	40897	39248	42501	43215	42368
rejected %	74%	78%	79%	73%	86%

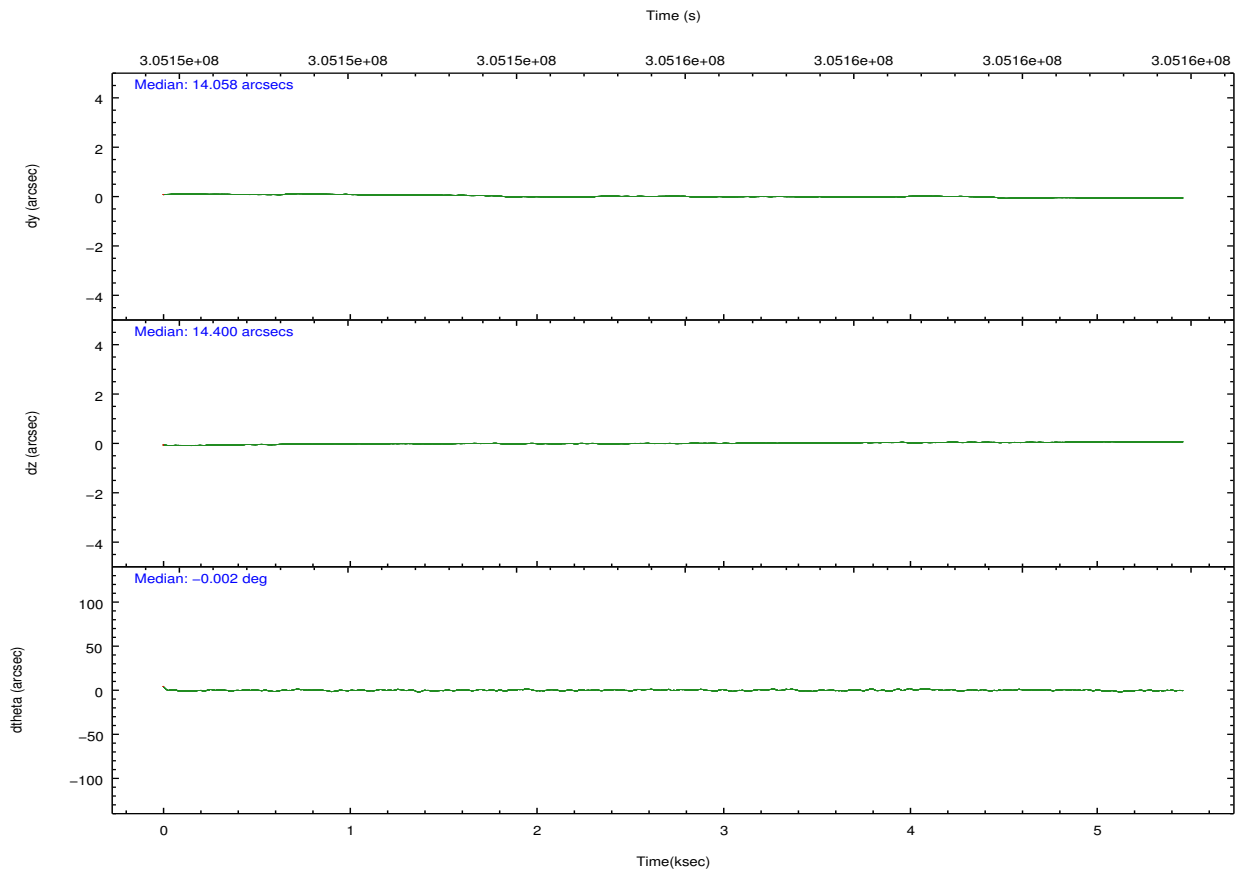
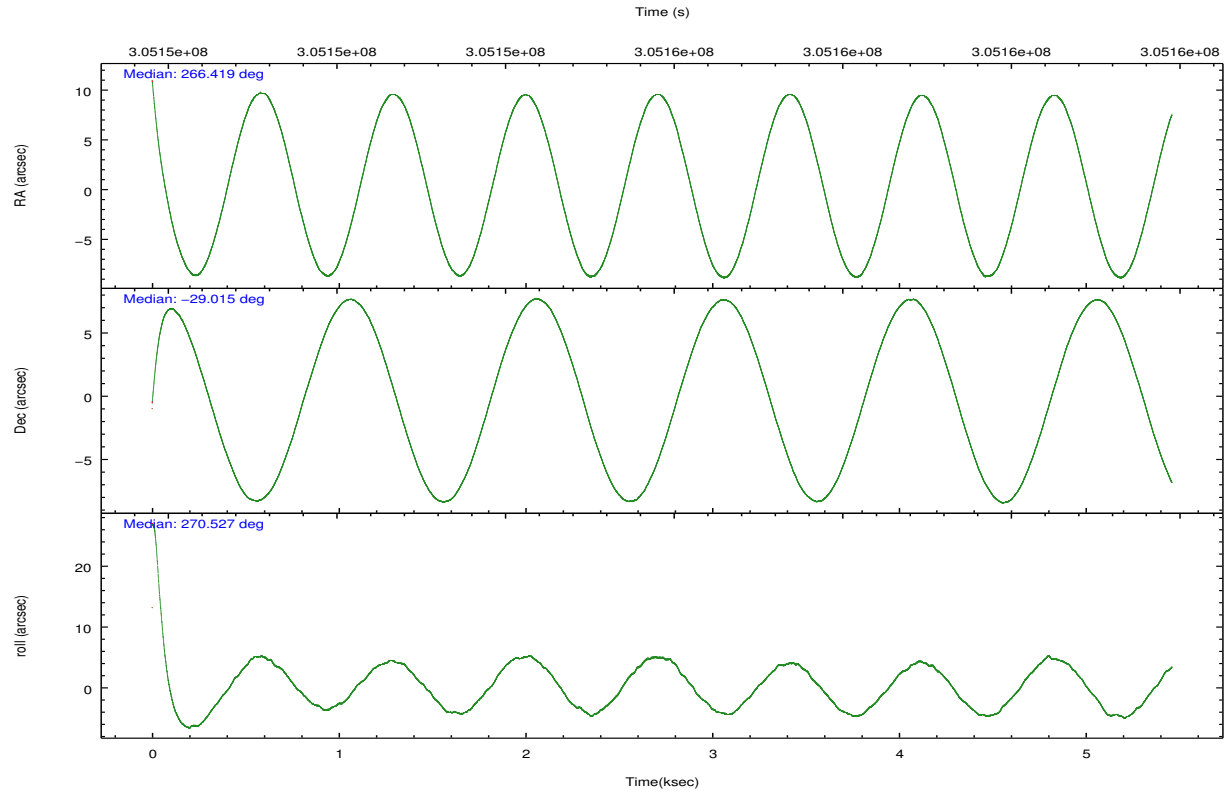
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	7252	5224	6059	9378	2856
	13%	10%	11%	15%	5%
grade 1 events	201	45	60	84	31
	0%	0%	0%	0%	0%
grade 2 events	2511	2098	1879	2508	1432
	4%	4%	3%	4%	2%
grade 3 events	1033	837	784	1022	609
	1%	1%	1%	1%	1%
grade 4 events	946	838	769	994	539
	1%	1%	1%	1%	1%
grade 5 events	2315	2213	2035	2381	2231
	4%	4%	3%	4%	4%
grade 6 events	1915	1568	1325	1778	1280
	3%	3%	2%	3%	2%
grade 7 events	38360	36978	40384	40739	40096
	70%	74%	75%	69%	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	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	266.403421	266.4194497174413	CCD I2 on	Y	Y
[deg] Pointing Dec	-28.991846	-29.01542490959528	CCD I3 on	Y	Y
[deg] Pointing Roll	270.312687	270.5292042184934	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	N	N
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	305152652.184000	305151581.67696	CCD S5 on	N	N
Observation start date	2007-09-02T20:36:27	2007-09-02T20:19:41	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	305157652.184000	305157832.12726	On-chip summing requested	N	N
Observation end date	2007-09-02T21:59:47	2007-09-02T22:03:52	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



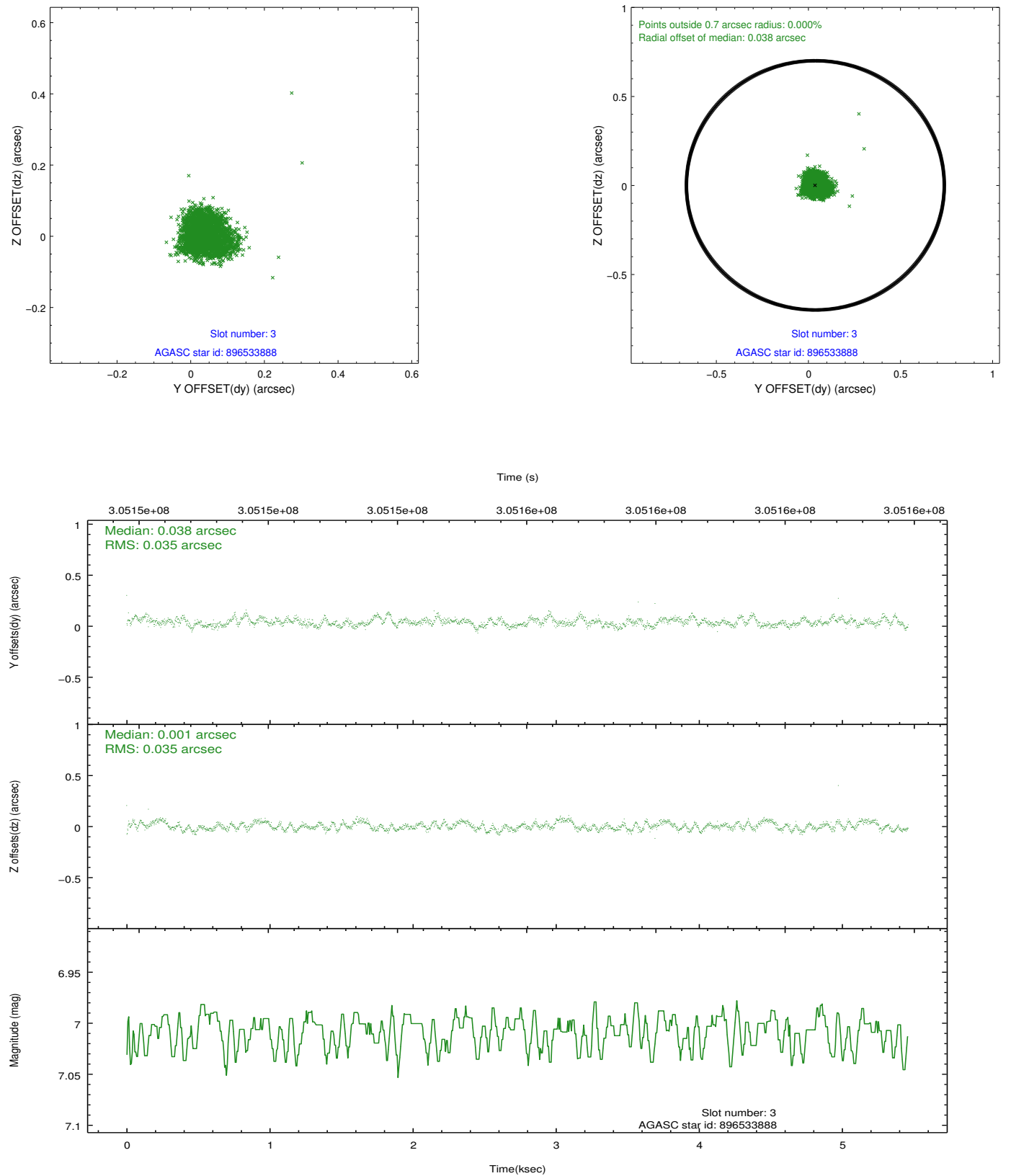


Slot Statistics

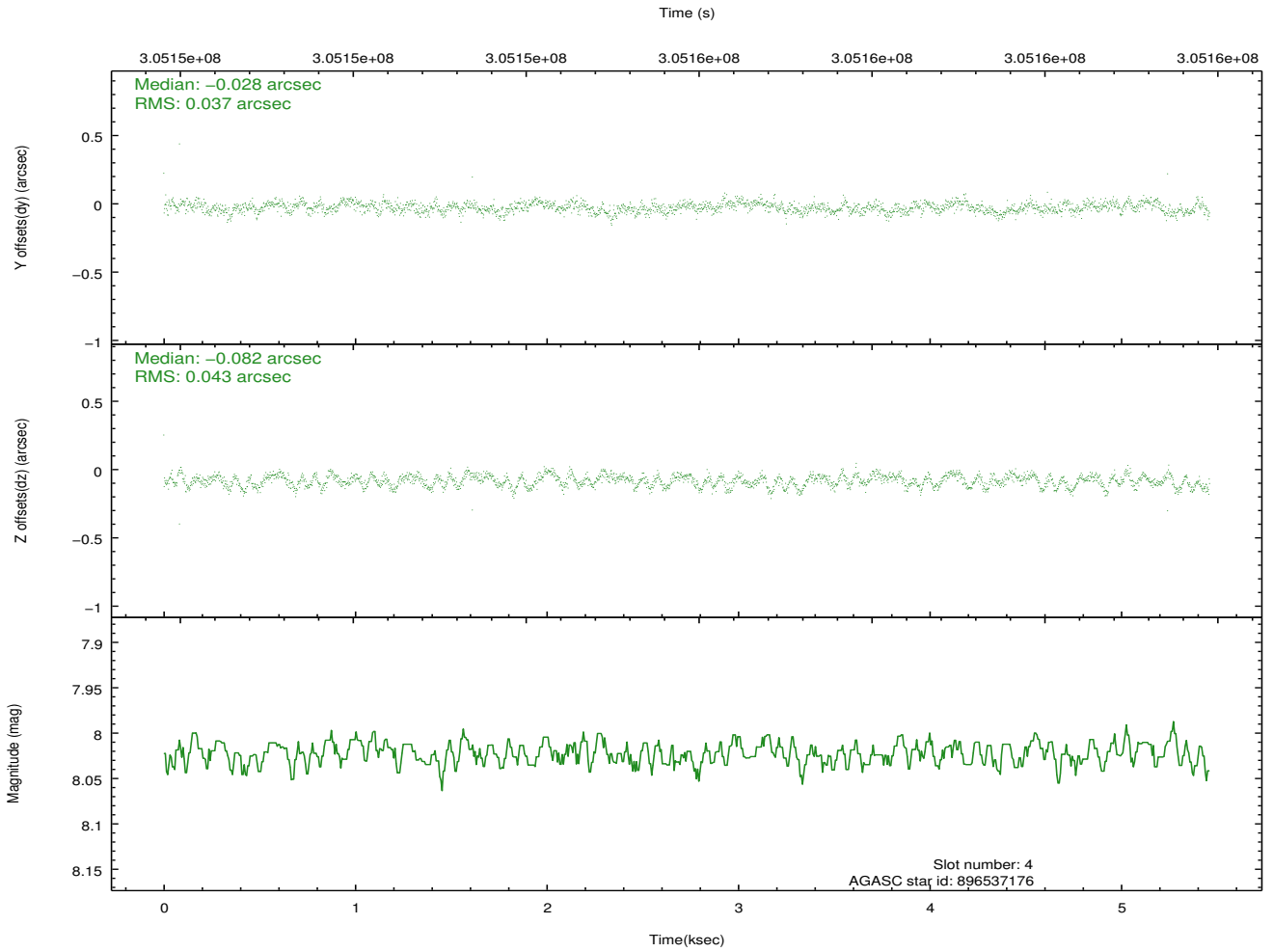
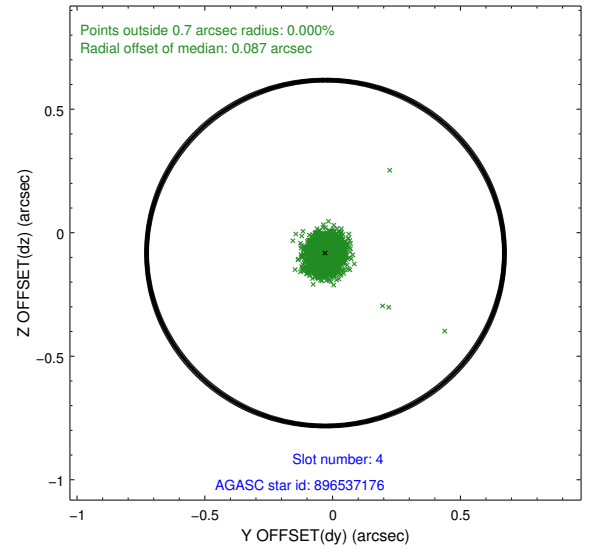
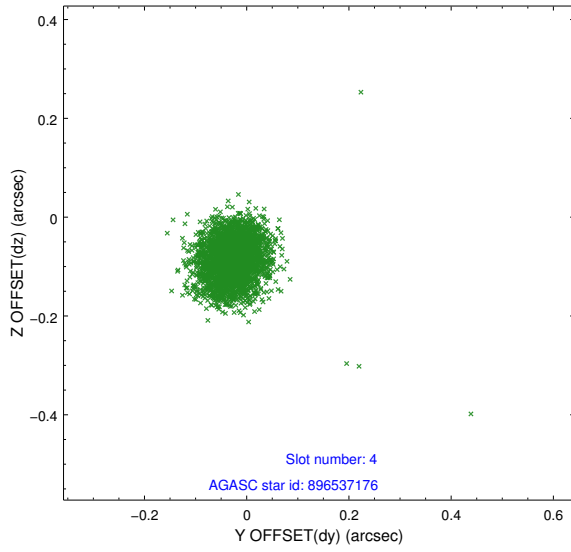
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	1333	-0.005	0.021	0.009	0.016	0.000000	0.000000	925.41	-837.97
1	FID	ACIS-I-4	7.15	1333	0.198	0.011	0.009	0.014	0.000000	0.000000	2146.27	1061.28
2	FID	ACIS-I-5	7.22	1332	-0.291	0.038	0.007	0.012	0.000000	0.000000	-1821.46	1060.41
3	GUIDE	896533888	7.01	2665	0.038	0.001	0.053	0.081	266.666434	-29.392757	1449.23	817.37
4	GUIDE	896537176	8.02	2665	-0.028	-0.082	0.058	0.090	266.498272	-28.678259	-1126.11	306.12
5	GUIDE	896540808	7.48	2665	0.085	0.051	0.041	0.066	265.985401	-29.308604	1135.74	-1318.05
6	GUIDE	896541360	7.70	2664	0.074	0.075	0.050	0.083	266.684478	-29.453744	1669.68	871.83
7	GUIDE	896404568	7.85	2663	-0.173	-0.049	0.066	0.104	265.687293	-28.431080	-2023.27	-2255.79

2.4 Star Slots

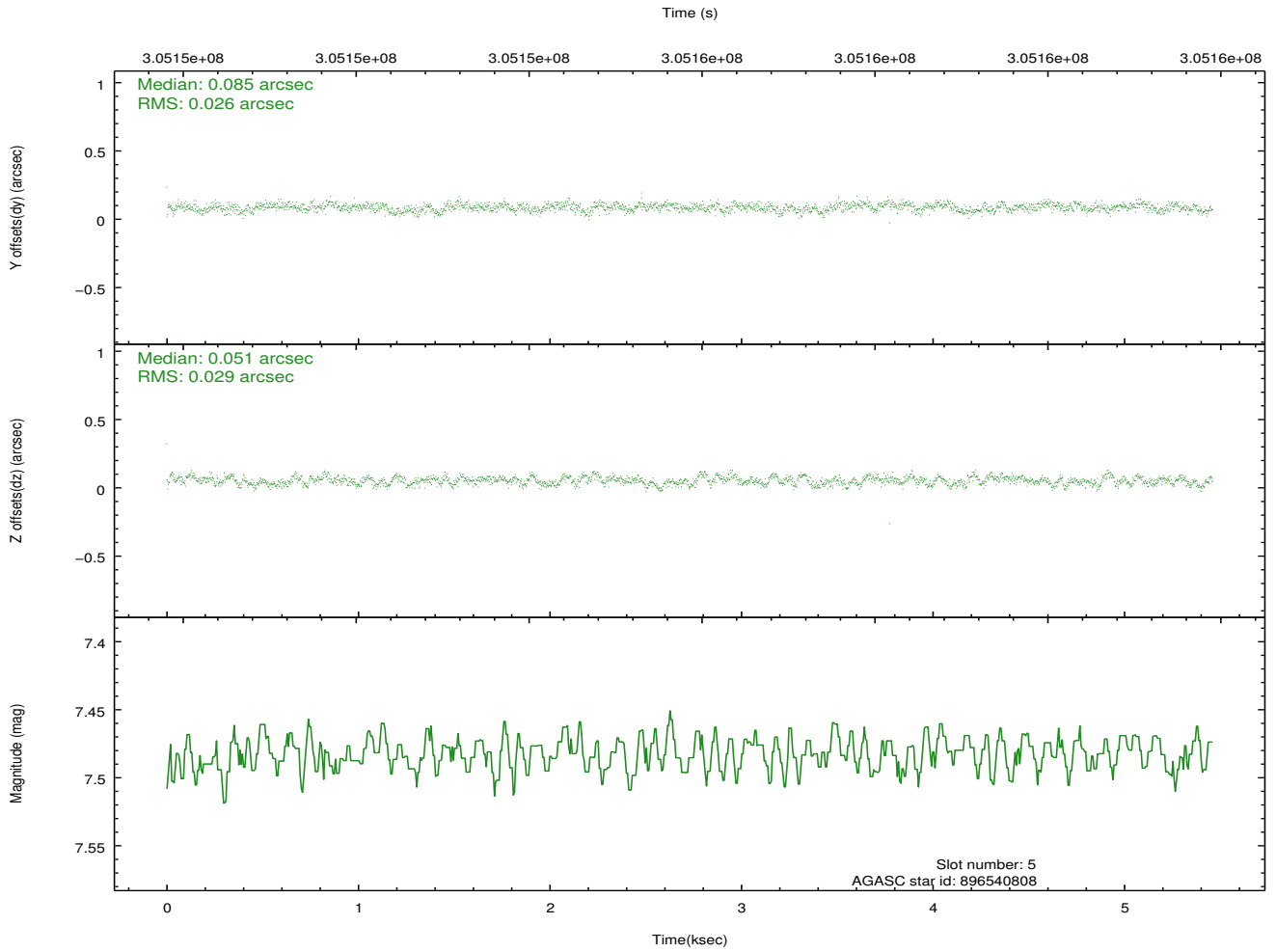
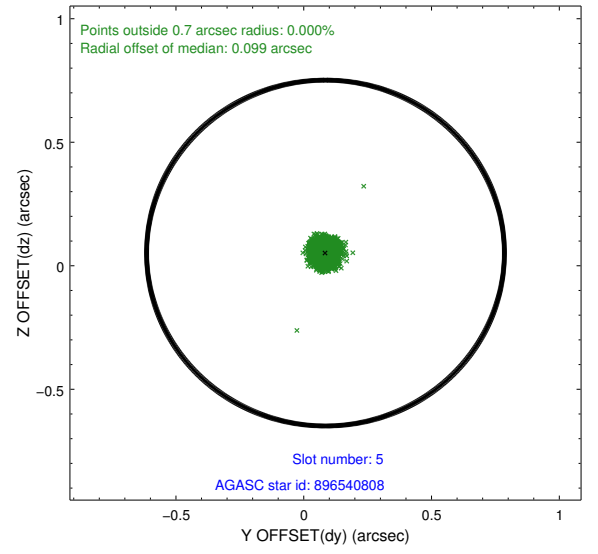
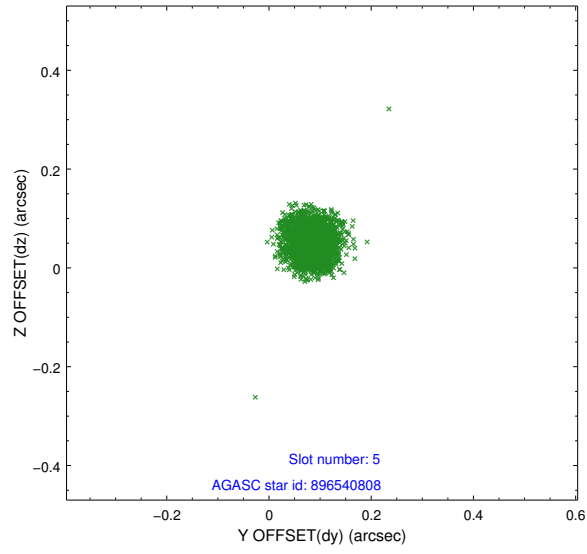
2.4.1 Slot 3



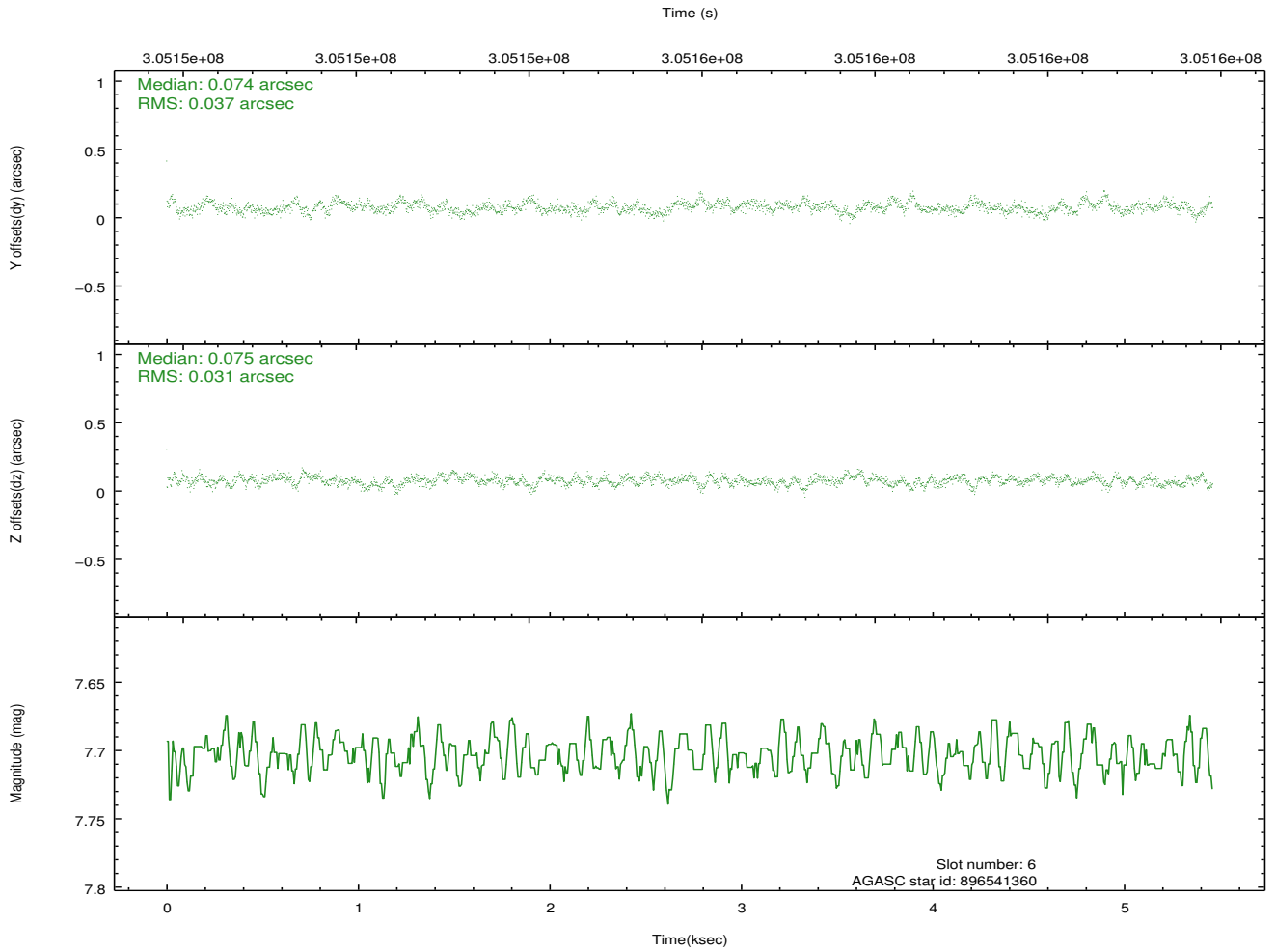
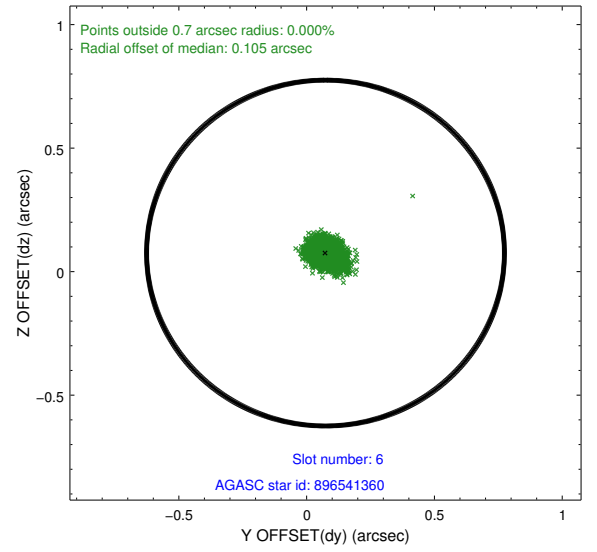
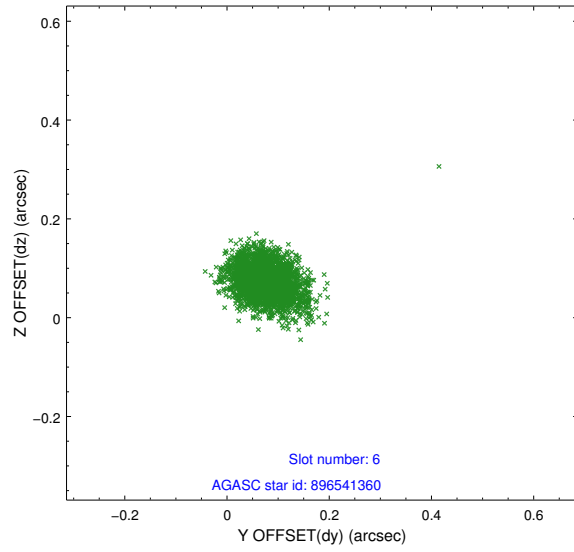
2.4.2 Slot 4



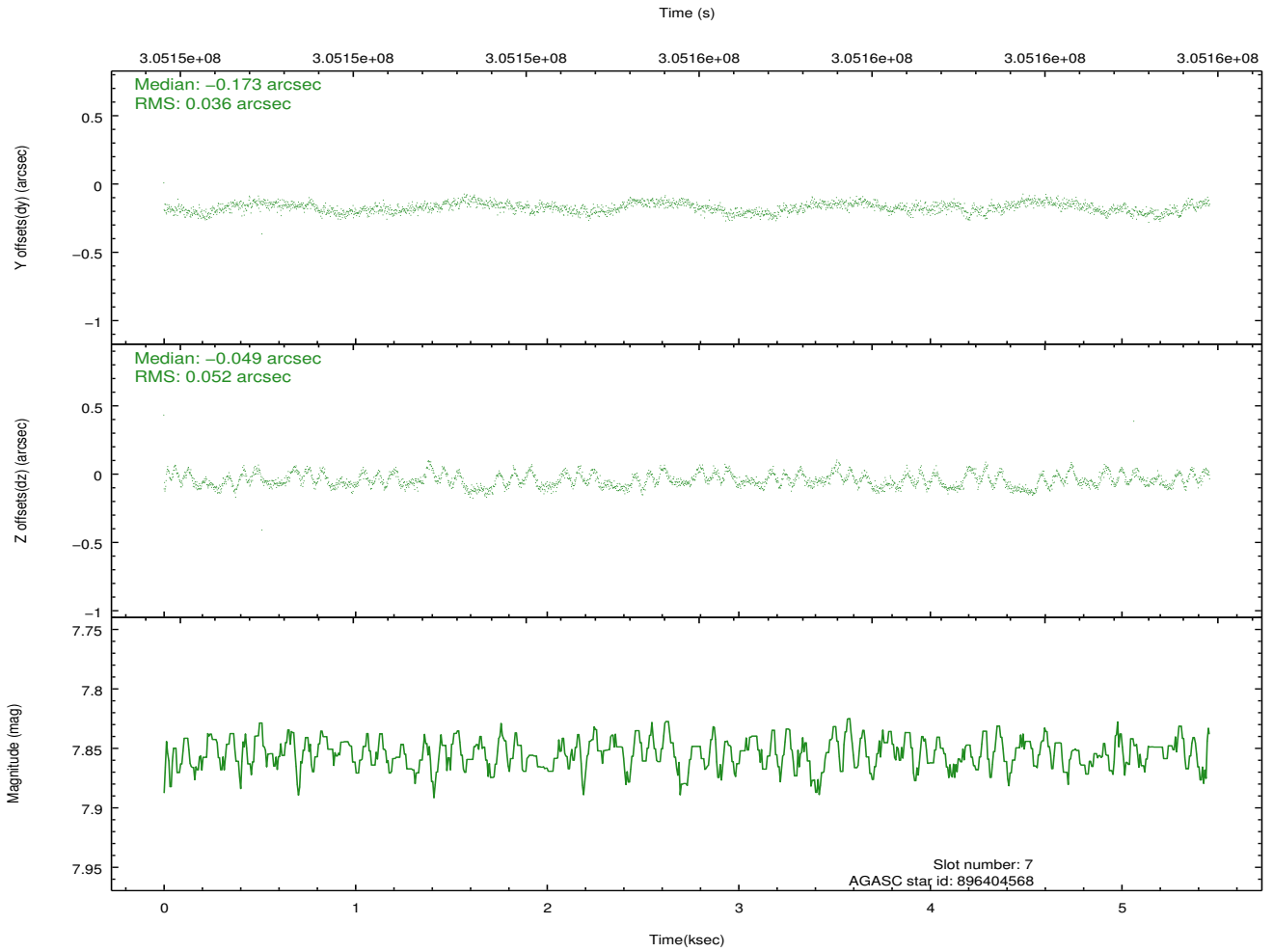
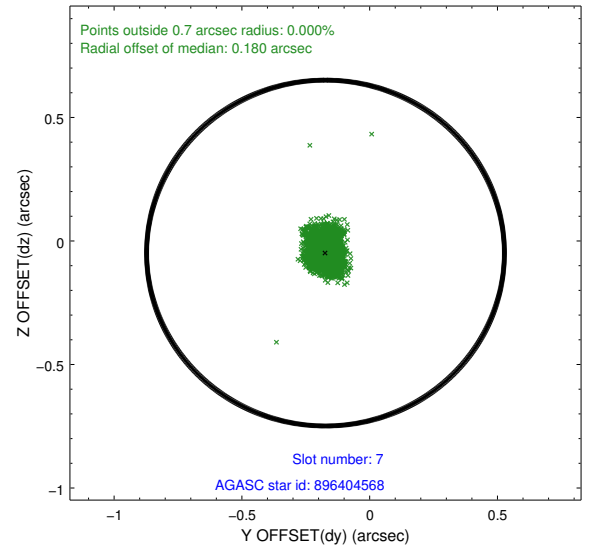
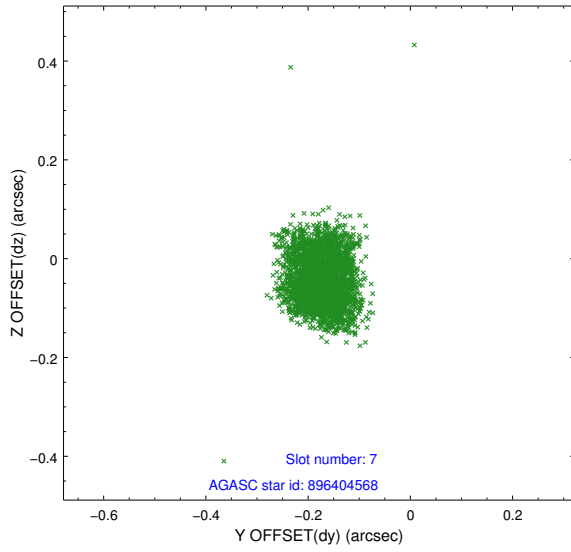
2.4.3 Slot 5



2.4.4 Slot 6

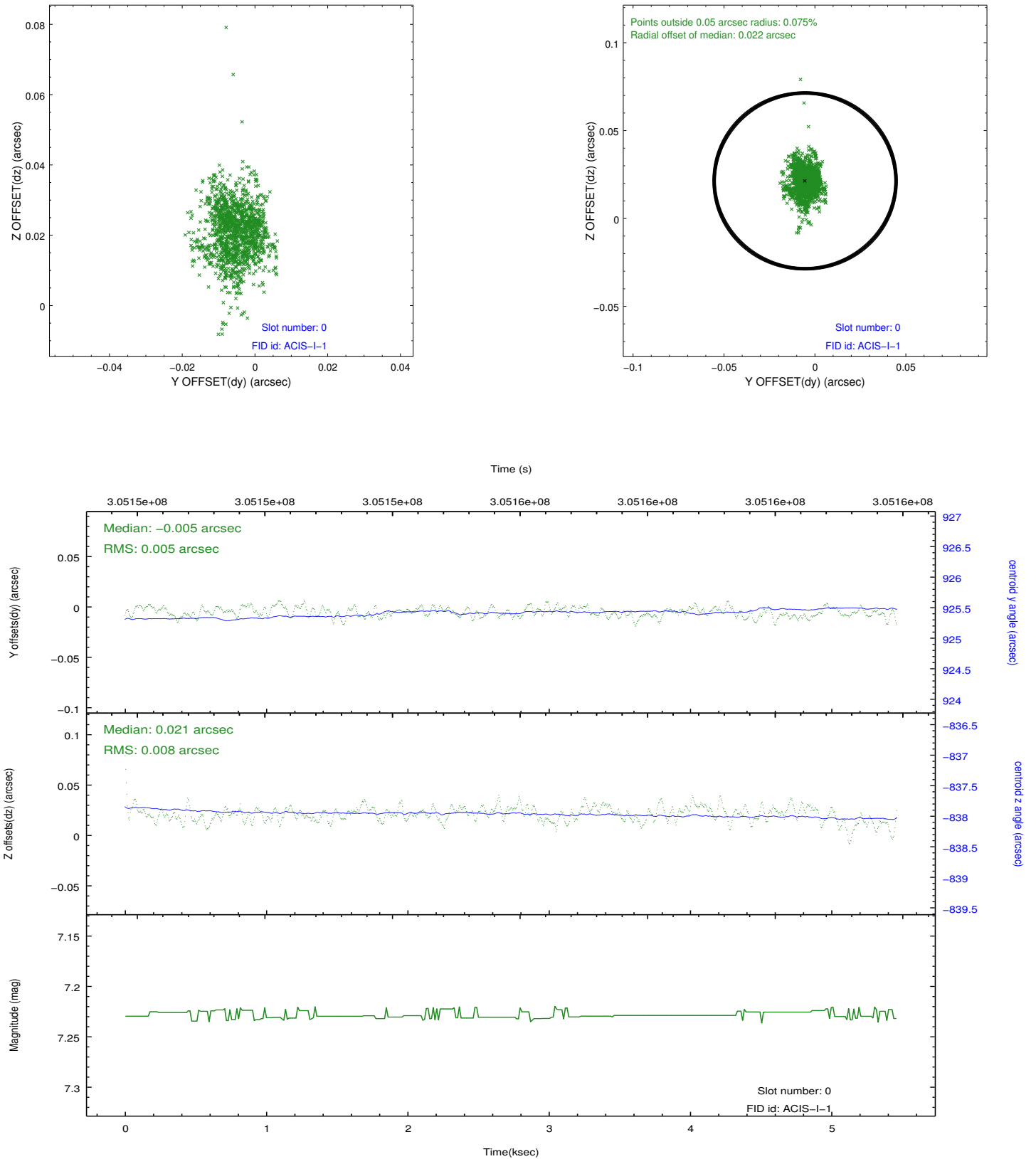


2.4.5 Slot 7

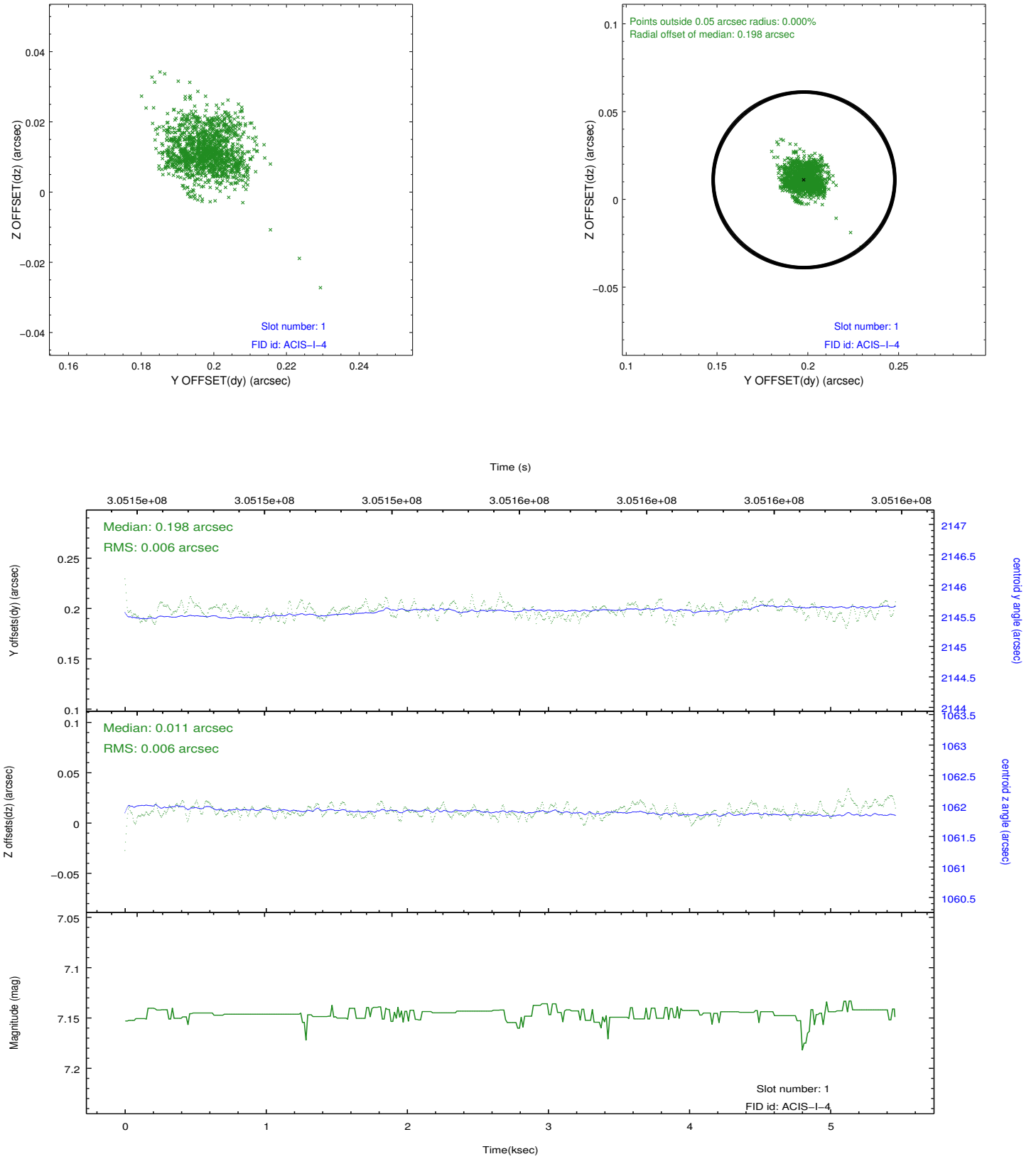


2.5 FID Slots

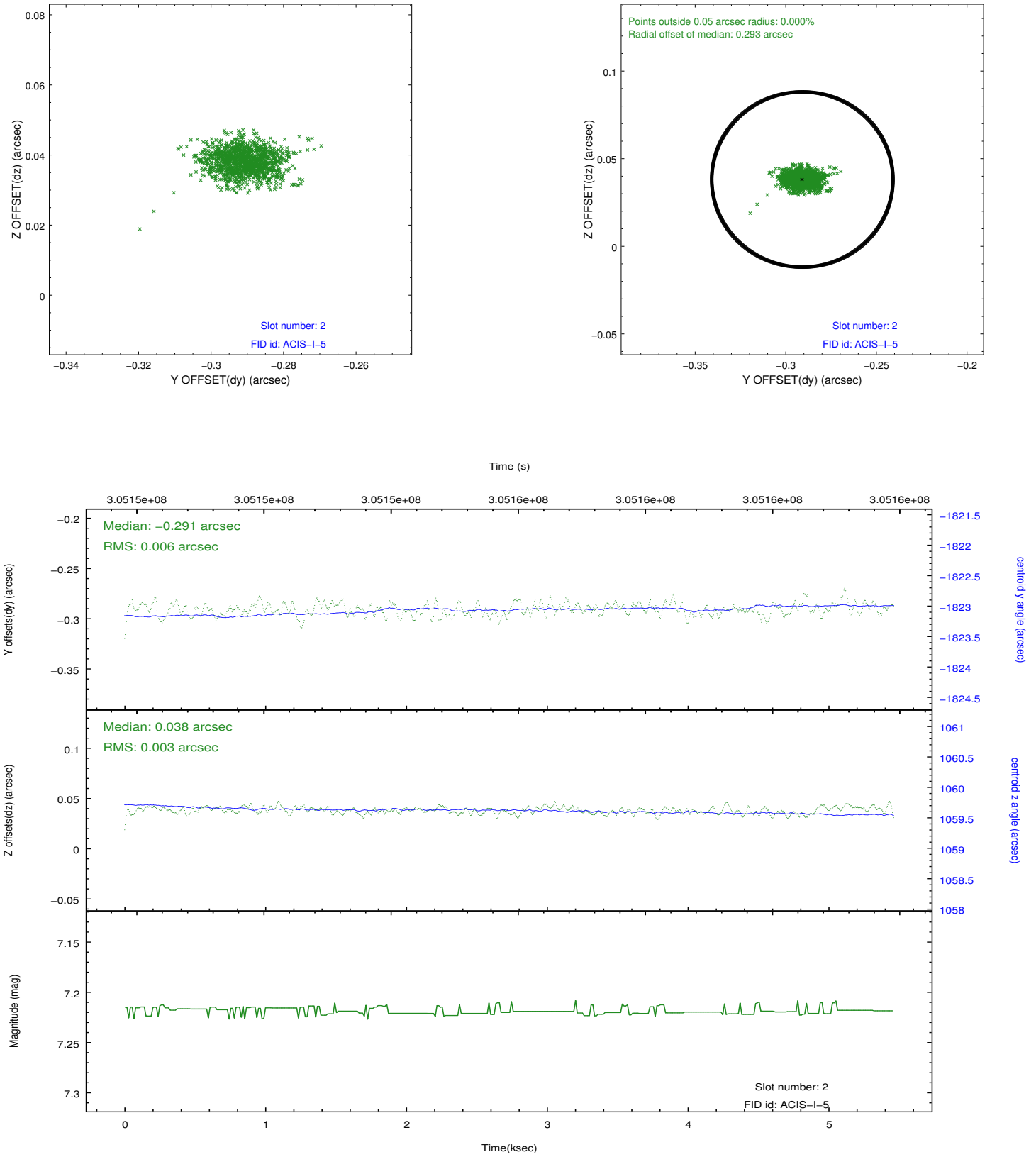
2.5.1 Slot 0



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)	2012.05.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.04370003

A.2 Comments

Monitor constraint met.