

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 5757 - L2 Version 3
Chandra X-Ray Center

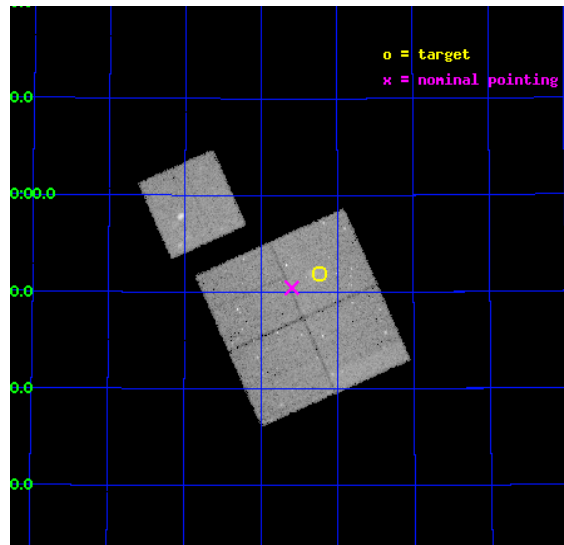
L2 Processing Date : Dec 28 2012

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1 Front

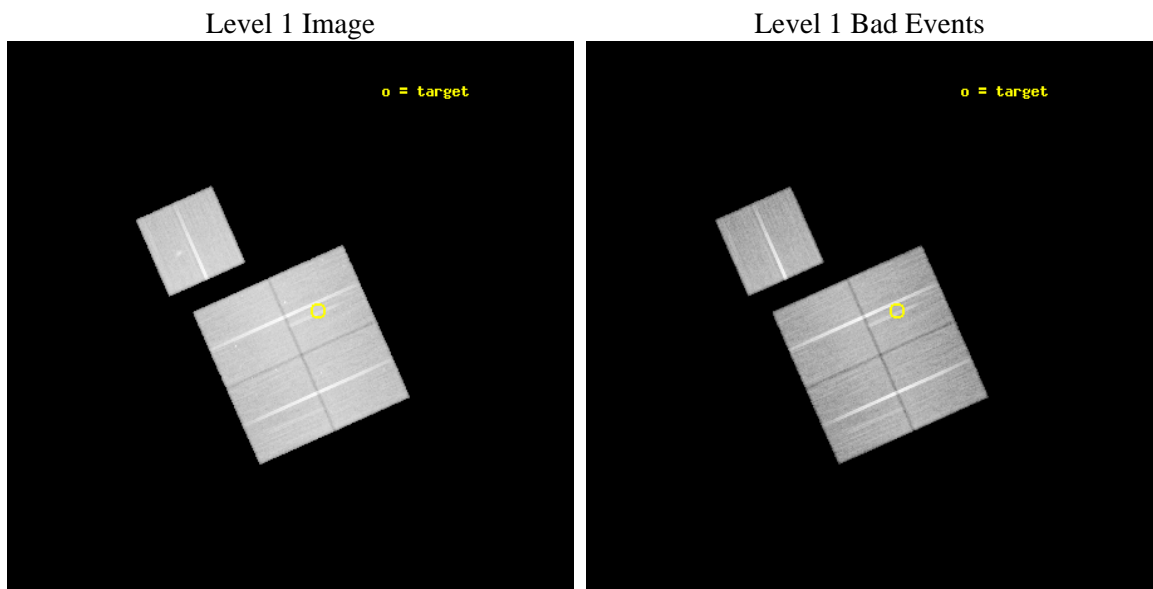
seq_num	800470	Sequence number
obs_id	5757	Observation id
title	DARK ENERGY WITH X-RAY CLUSTERS: CHANDRA OBSERVATIONS OF 41 HIGH-REDSHIFT CLUSTERS FROM THE 400 deg^2 ROSAT PSPC SURVEY	Proposal titl
observer	Dr. Alexey Vikhlinin	Principal investigator
object	cl1202+5751	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	180.557083	Observer's specified target RA [deg]
dec_targ	57.864722	Observer's specified target Dec [deg]
ra_nom	180.64884936119	Nominal RA [deg]
dec_nom	57.840906440935	Nominal Dec [deg]
roll_nom	336.06245537924	Nominal Roll [deg]
revision	3	Processing version of data
ontime	59767.751438469	Sum of GTIs [s]
livetime	58986.841765547	Livetime [s]
ontime0	59770.769308627	Sum of GTIs [s]
ontime1	59764.52840811	Sum of GTIs [s]
ontime2	59767.710428387	Sum of GTIs [s]
ontime3	59767.751438469	Sum of GTIs [s]
ontime6	59767.587308377	Sum of GTIs [s]
l2events	165739	Number of level 2 events



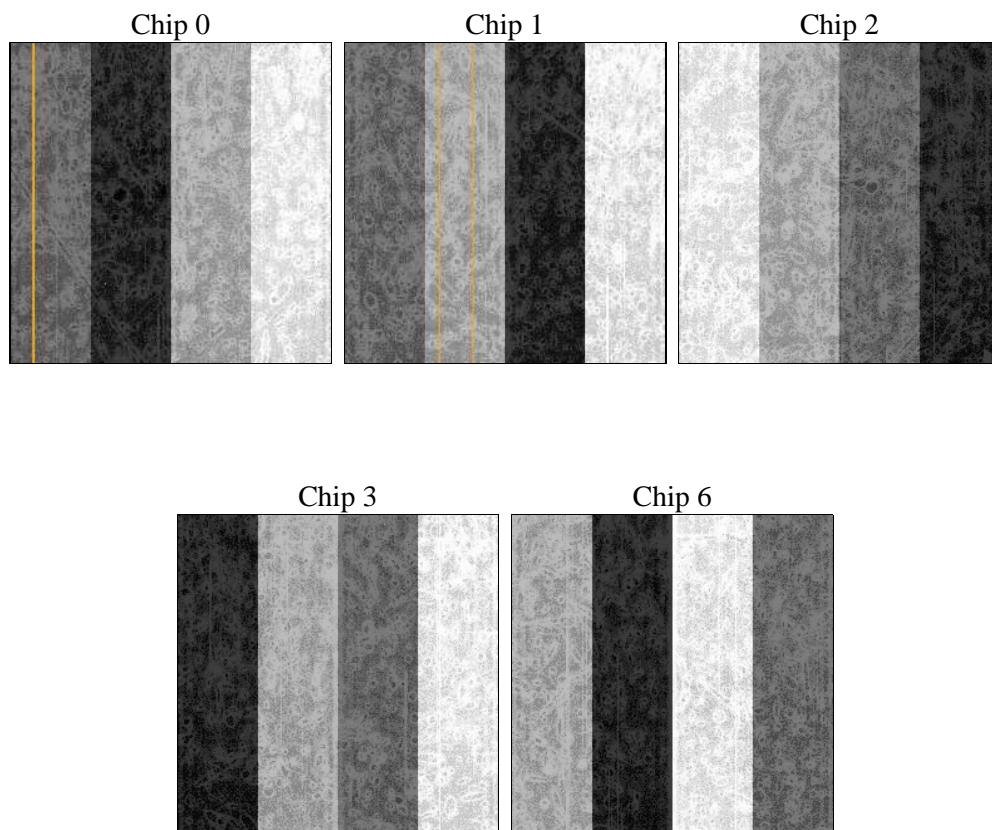
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	60000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1.1	Processing system revision	ontime	59767.751438469	Sum of GTIs [s]
caldbver	4.5.5	 	ontime0	59770.769308627	Sum of GTIs [s]
date	2012-12-28T20:59:10	Date and time of file creation	ontime1	59764.52840811	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	59767.710428387	Sum of GTIs [s]
			ontime3	59767.751438469	Sum of GTIs [s]
			ontime6	59767.587308377	Sum of GTIs [s]
			l1events	1856238	Number of level 1 events

2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	352210	349434	399852	378432	376310
rejected events	314312	306458	362037	339402	335509
rejected %	89%	87%	90%	89%	89%

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	13954	16110	14202	15721	15699
	3%	4%	3%	4%	4%
grade 1 events	196	161	216	225	168
	0%	0%	0%	0%	0%
grade 2 events	8758	9397	8782	7872	8427
	2%	2%	2%	2%	2%
grade 3 events	4176	4723	4061	4163	4263
	1%	1%	1%	1%	1%
grade 4 events	3959	4520	4076	4211	4328
	1%	1%	1%	1%	1%
grade 5 events	12351	14124	11977	14958	14620
	3%	4%	2%	3%	3%
grade 6 events	7052	8230	6698	7068	8086
	2%	2%	1%	1%	2%
grade 7 events	301764	292169	349840	324214	320719
	85%	83%	87%	85%	85%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	180.597679	180.6488493611916	Subarray requested	NONE	NONE
[deg] Pointing Dec	57.837901	57.84090644093502	Alternating exposures requested	N	N
[deg] Pointing Roll	335.897092	336.0624553792401	[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	-225.840463	-225.8433433320239			
[mm] SIM translation stage offset	-7.752	-7.749109670905796			
[s] Observation start time (MET)	242055756.184000	242054543.63604			
Observation start date	2005-09-02T13:41:32	2005-09-02T13:22:23			
[s] Observation end time (MET)	242115756.184000	242116211.22637			
Observation end date	2005-09-03T06:21:32	2005-09-03T06:30:11			
Read mode	TIMED	TIMED			

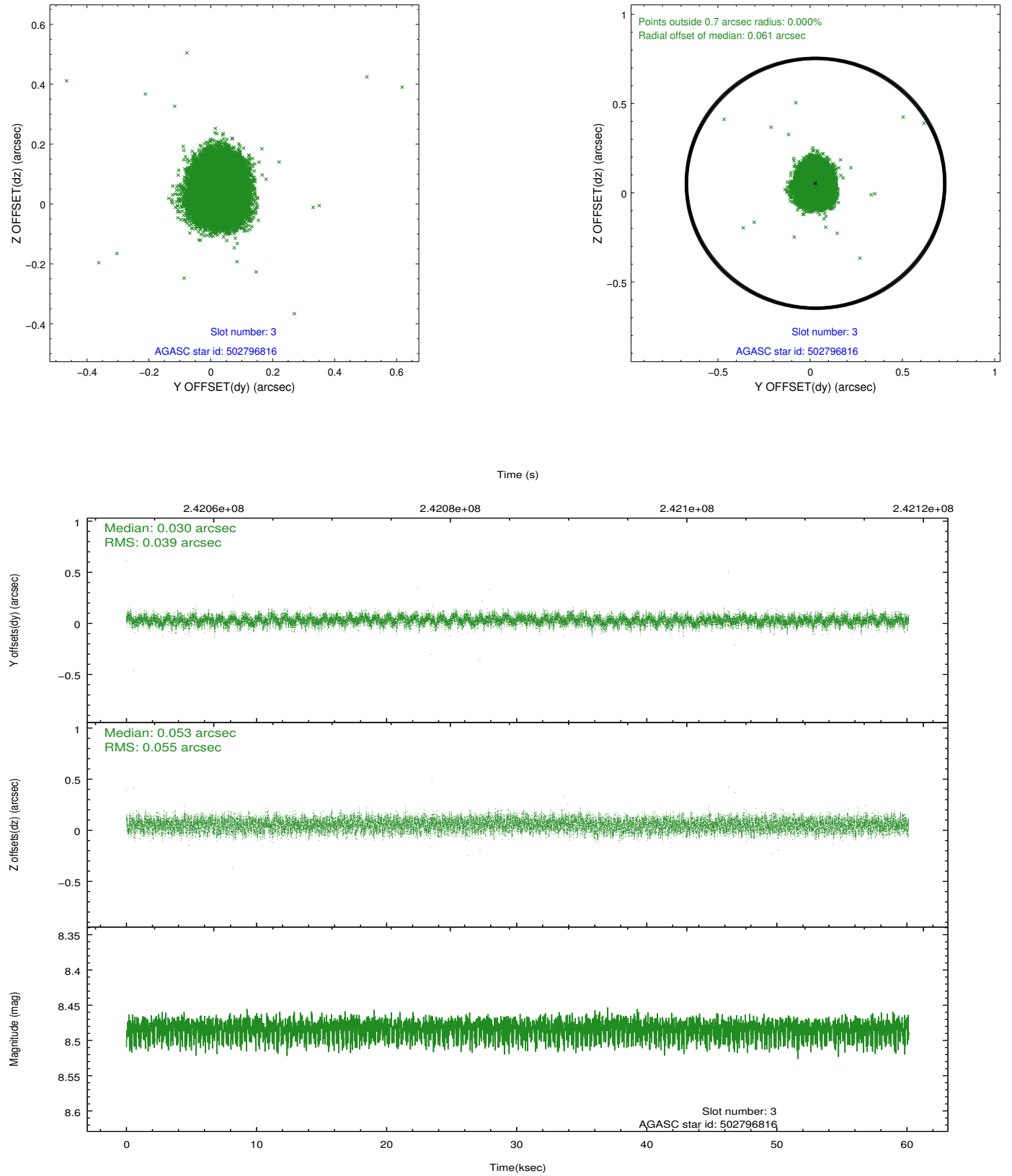
2.3 Aspect

Slot Statistics

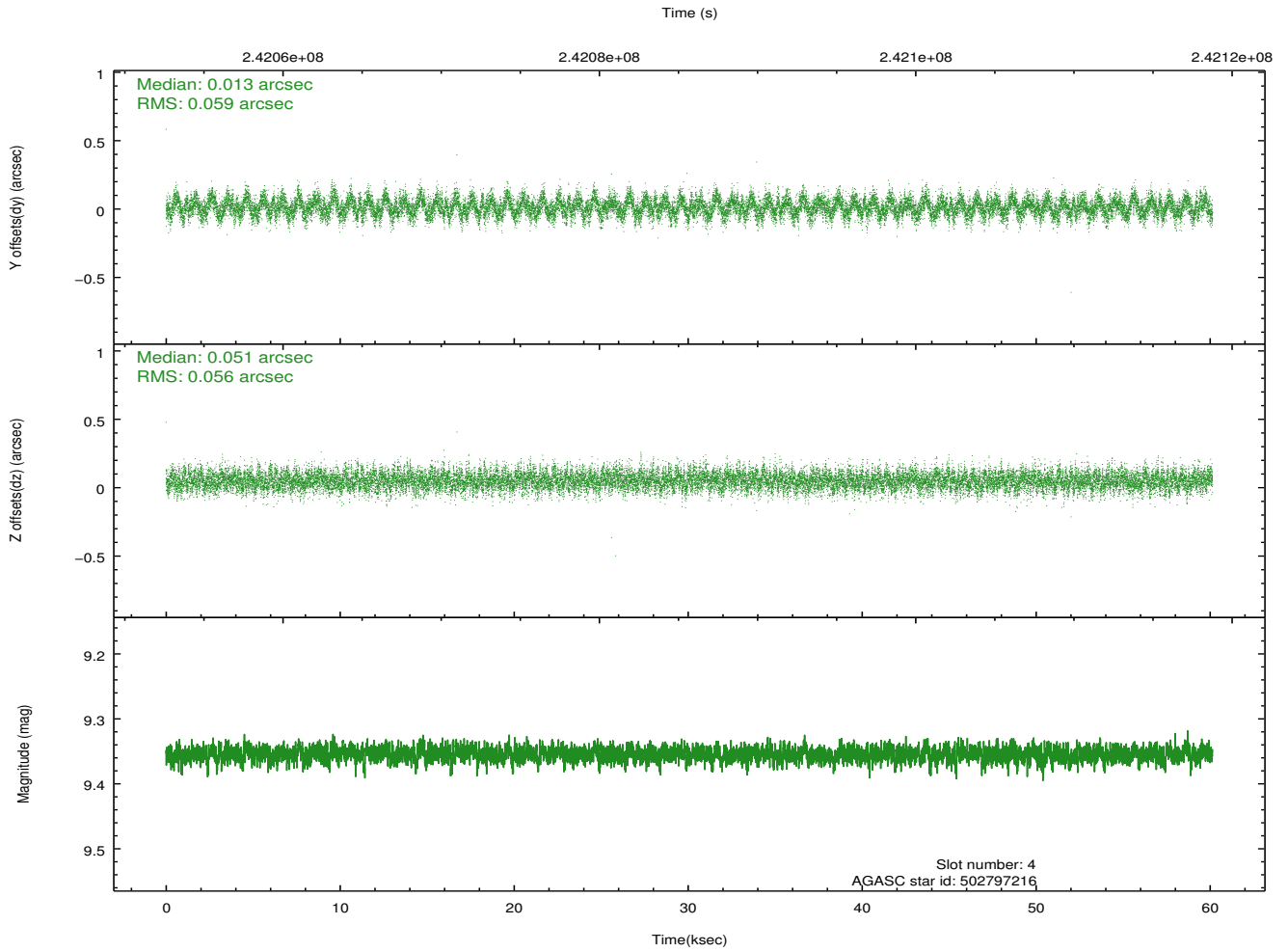
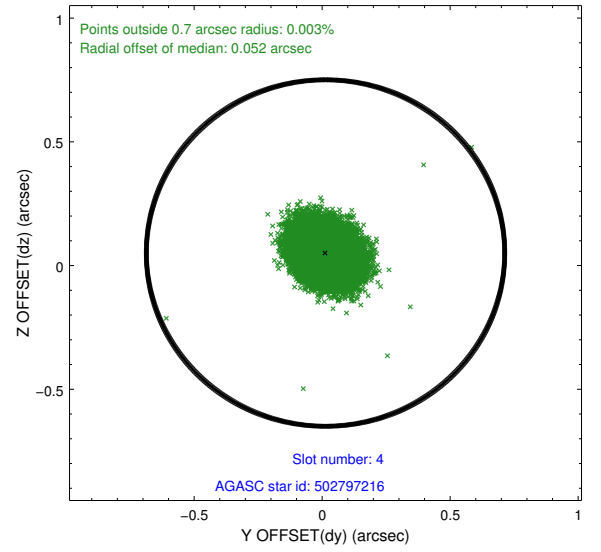
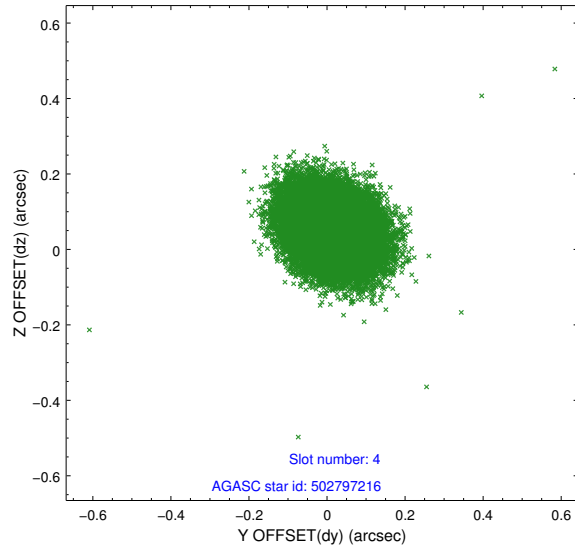
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.18	14670	-0.082	-0.035	0.019	0.034	0.000000	0.000000	-762.00	-1000.25
1	FID	ACIS-I-4	7.14	14668	0.081	0.062	0.027	0.041	0.000000	0.000000	2152.21	905.99
2	FID	ACIS-I-5	7.22	14668	-0.101	0.044	0.025	0.040	0.000000	0.000000	-1815.50	902.78
3	GUIDE	502796816	8.48	29330	0.030	0.053	0.071	0.114	180.073256	57.474716	-394.15	-1604.68
4	GUIDE	502797216	9.35	29328	0.013	0.051	0.086	0.140	180.744655	57.426606	865.56	-1234.78
5	GUIDE	503189344	9.24	29321	-0.007	0.072	0.101	0.160	181.212469	58.115210	657.65	1393.24
6	GUIDE	503191072	7.53	29339	-0.130	-0.073	0.054	0.088	181.684877	57.600556	2256.23	91.79
7	GUIDE	503191544	9.15	29315	0.092	-0.100	0.090	0.145	180.475409	57.943450	-368.01	251.48

2.4 Star Slots

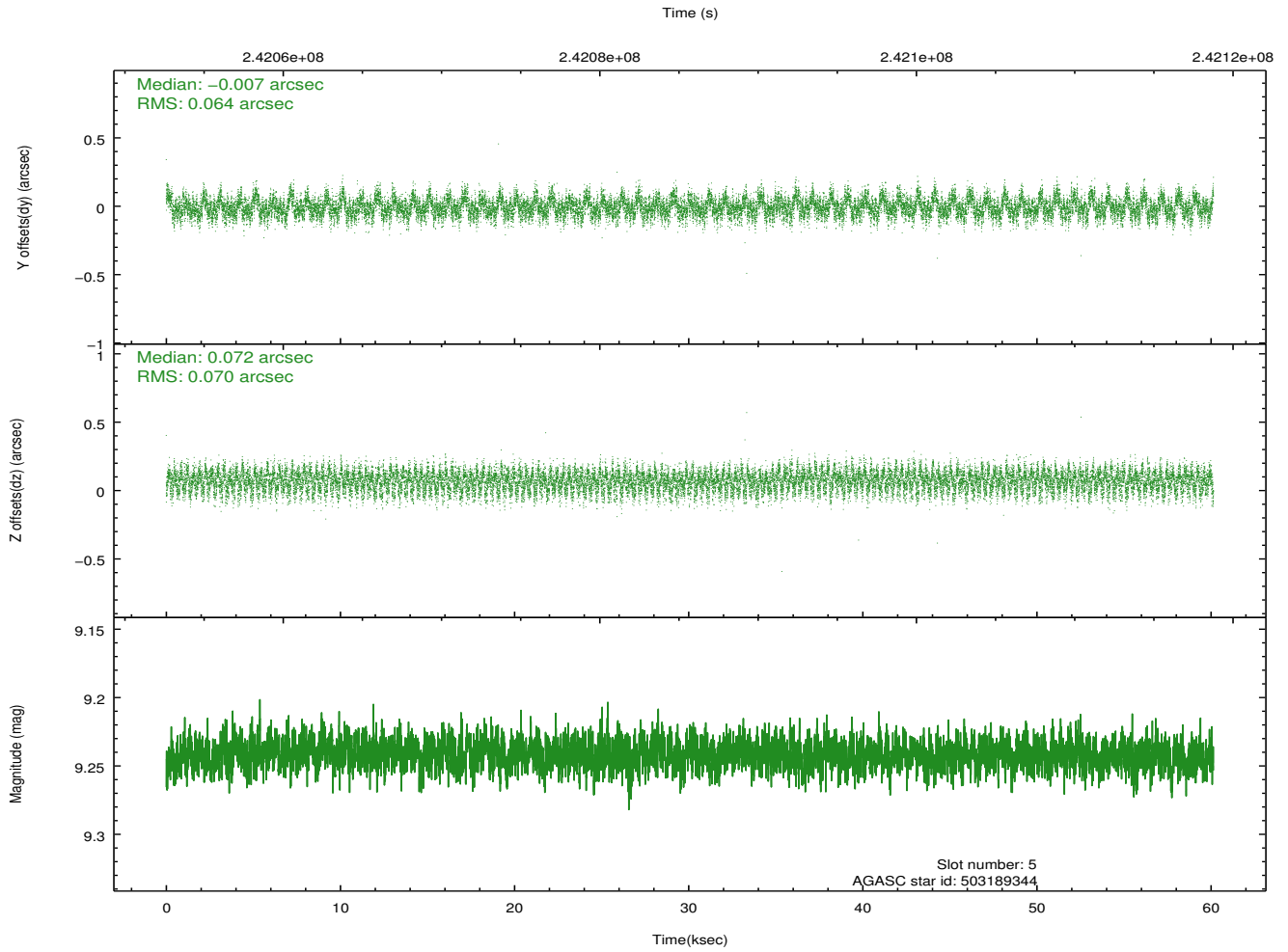
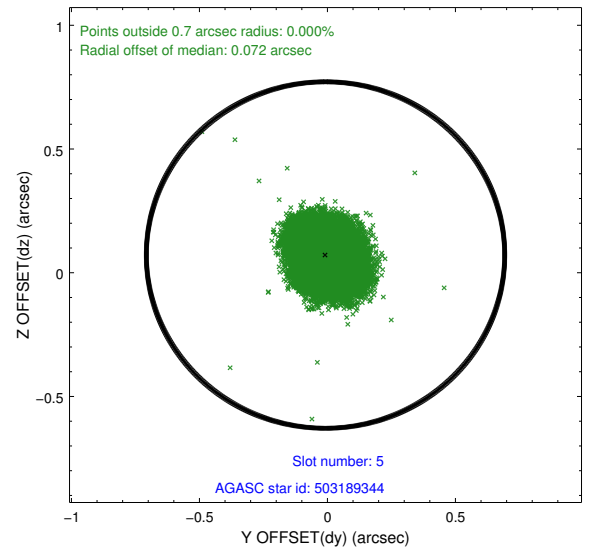
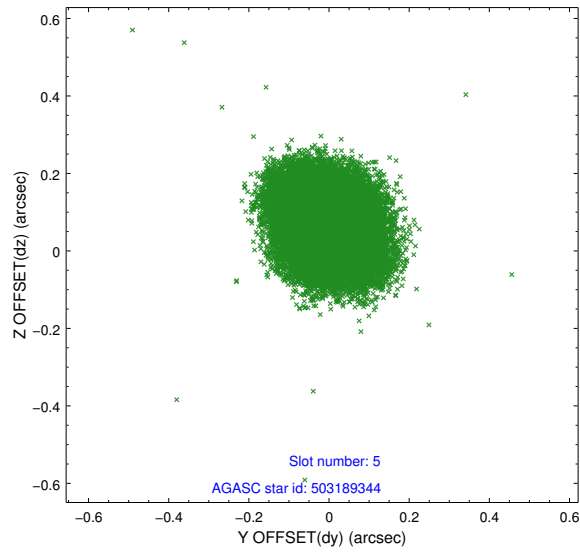
2.4.1 Slot 3



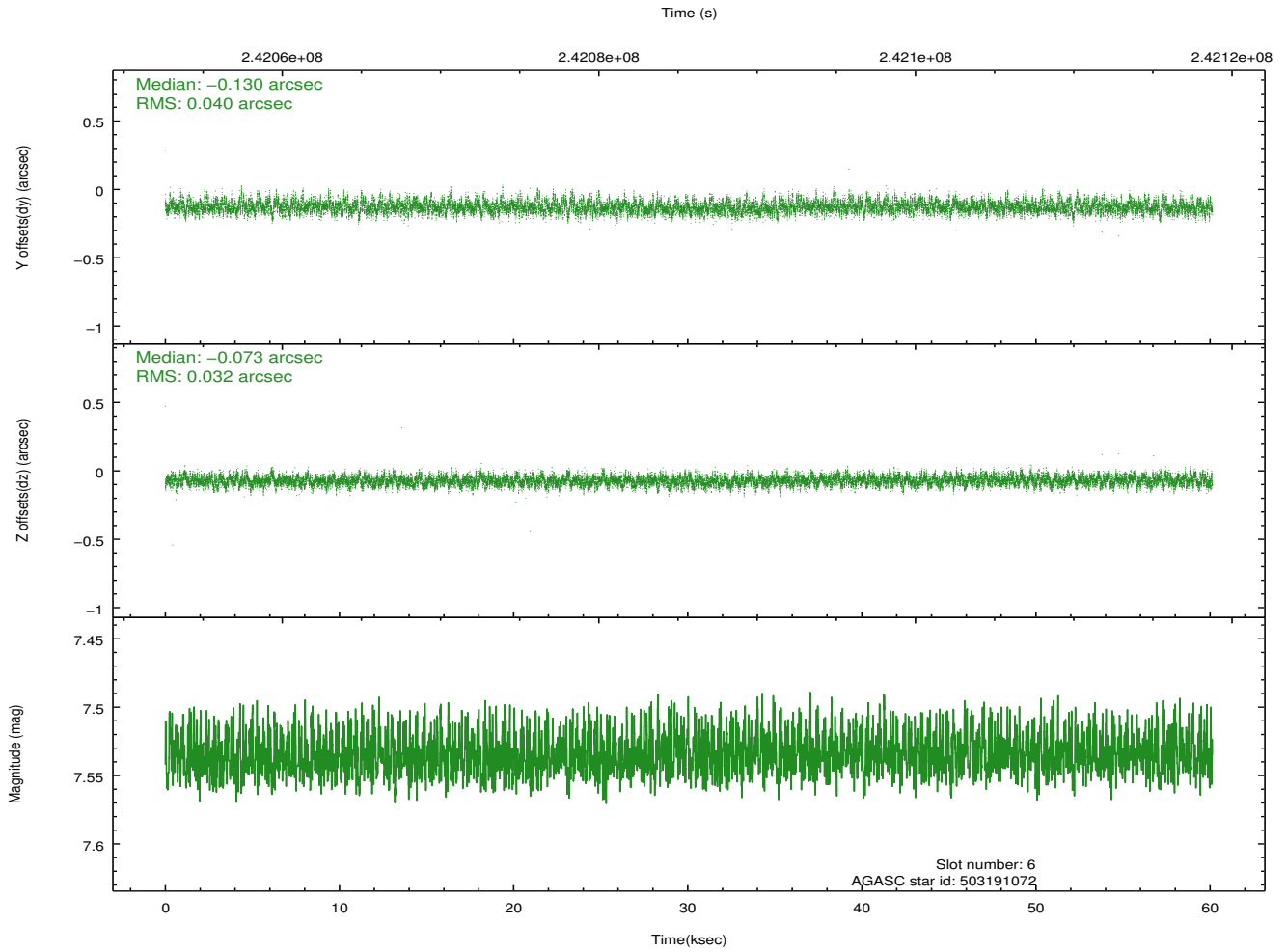
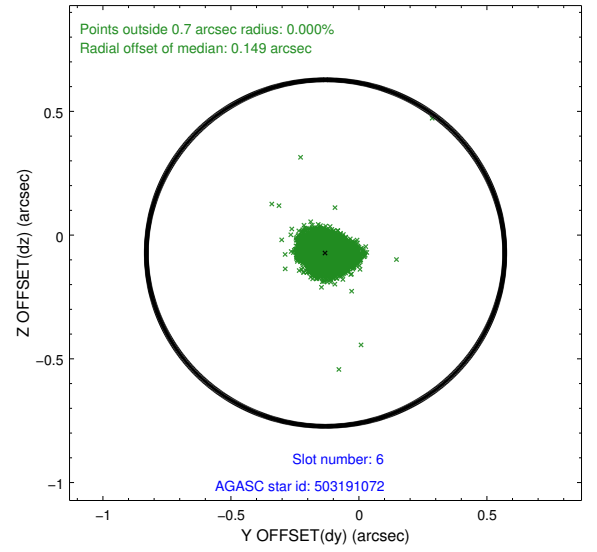
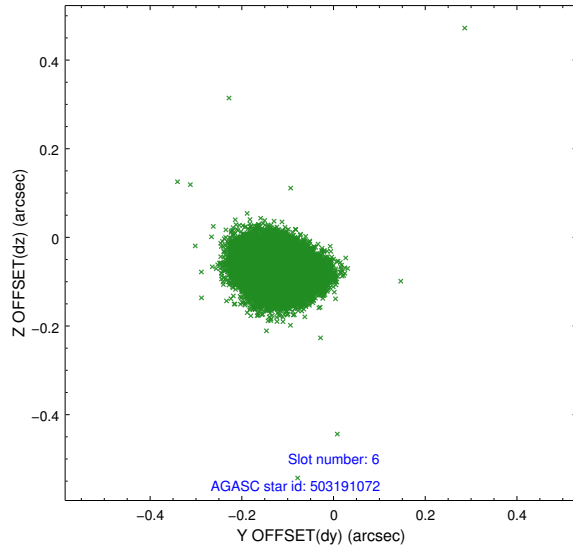
2.4.2 Slot 4



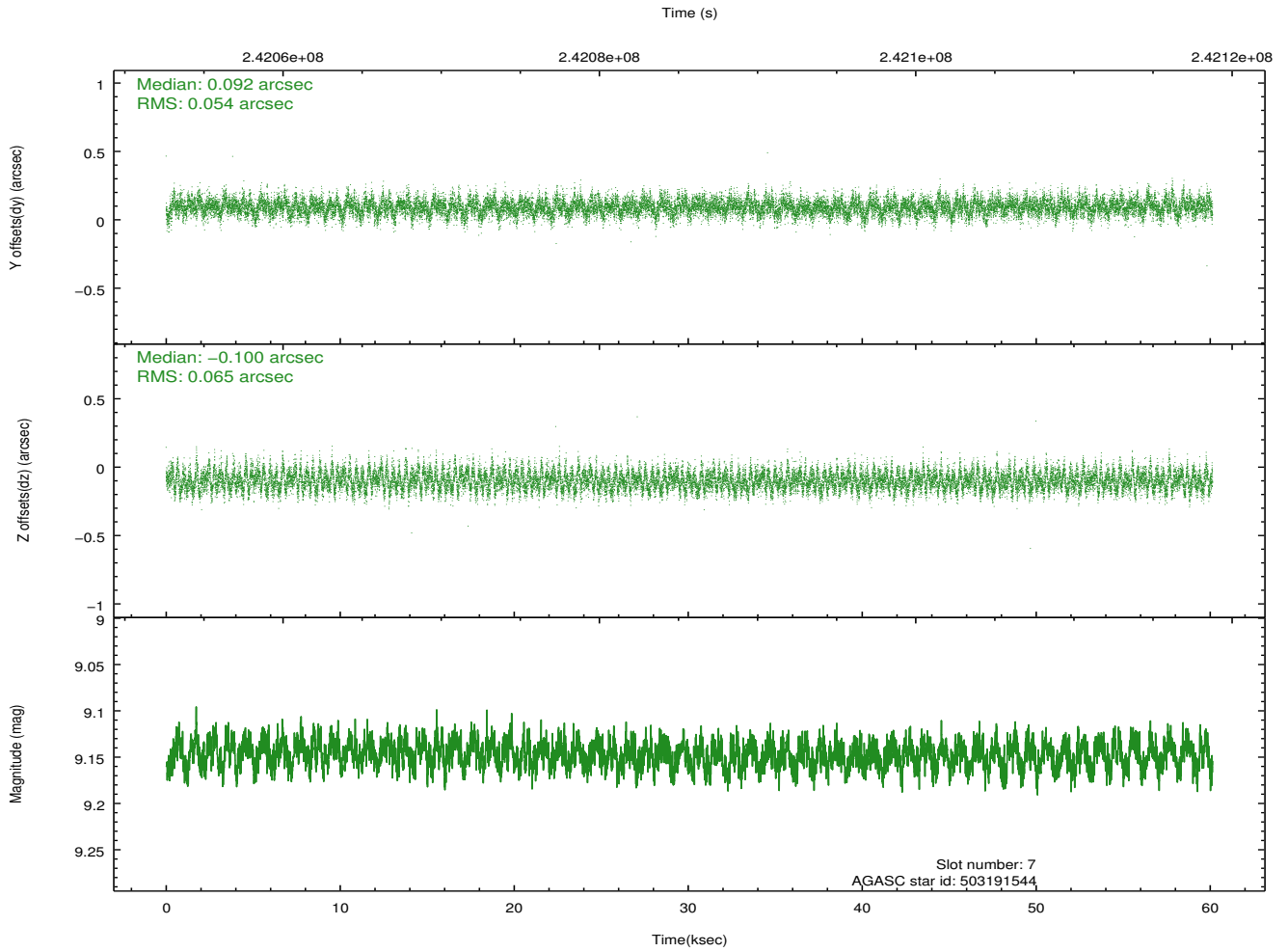
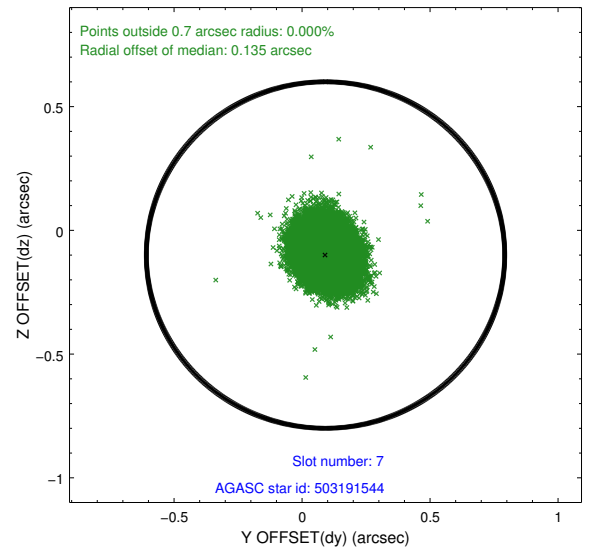
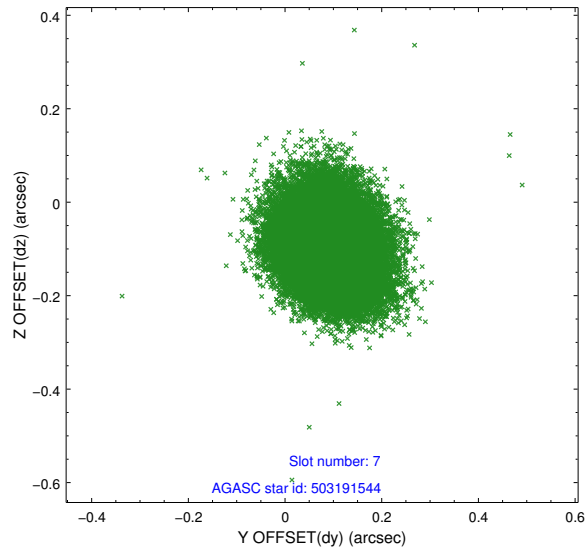
2.4.3 Slot 5



2.4.4 Slot 6

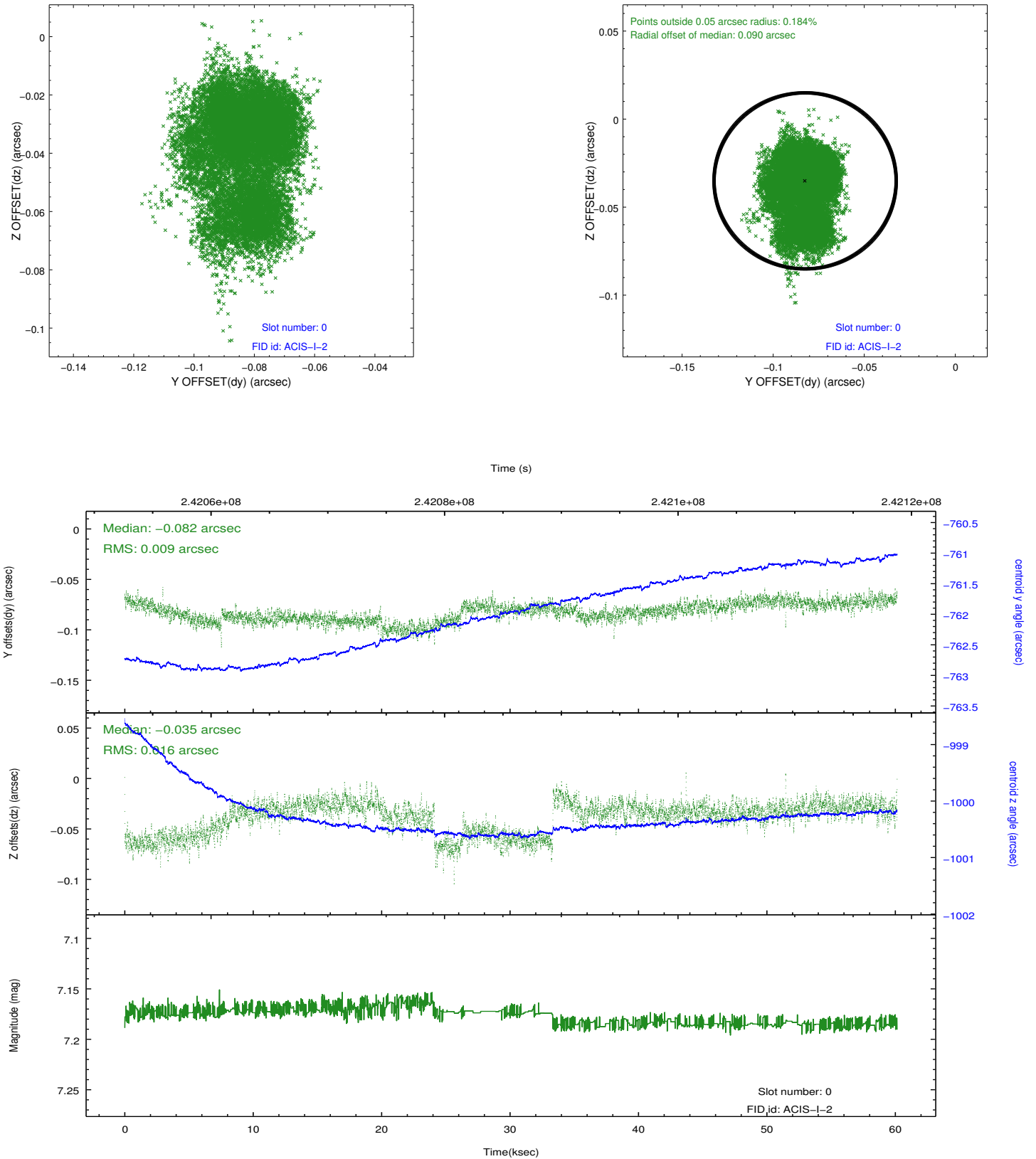


2.4.5 Slot 7

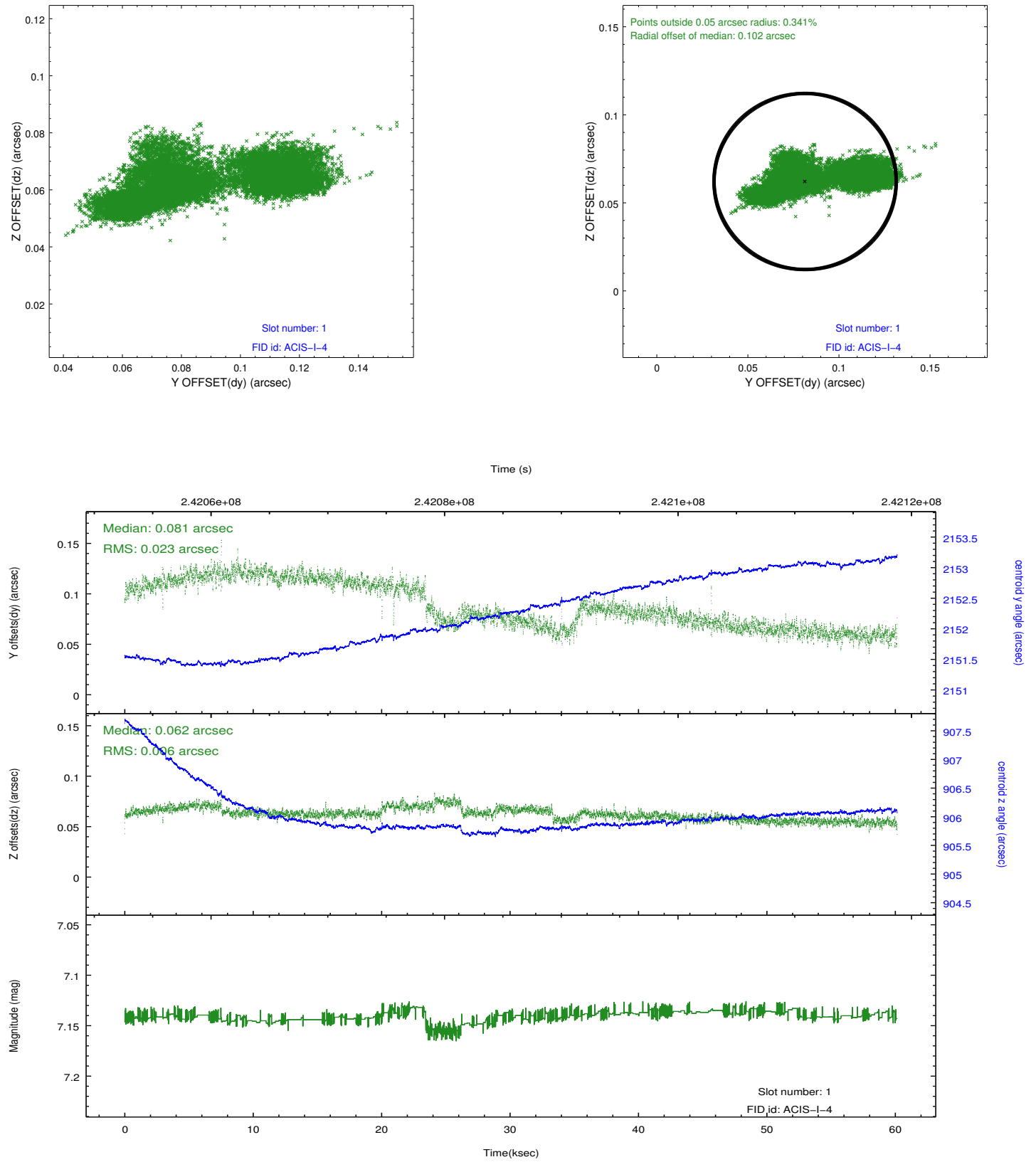


2.5 FID Slots

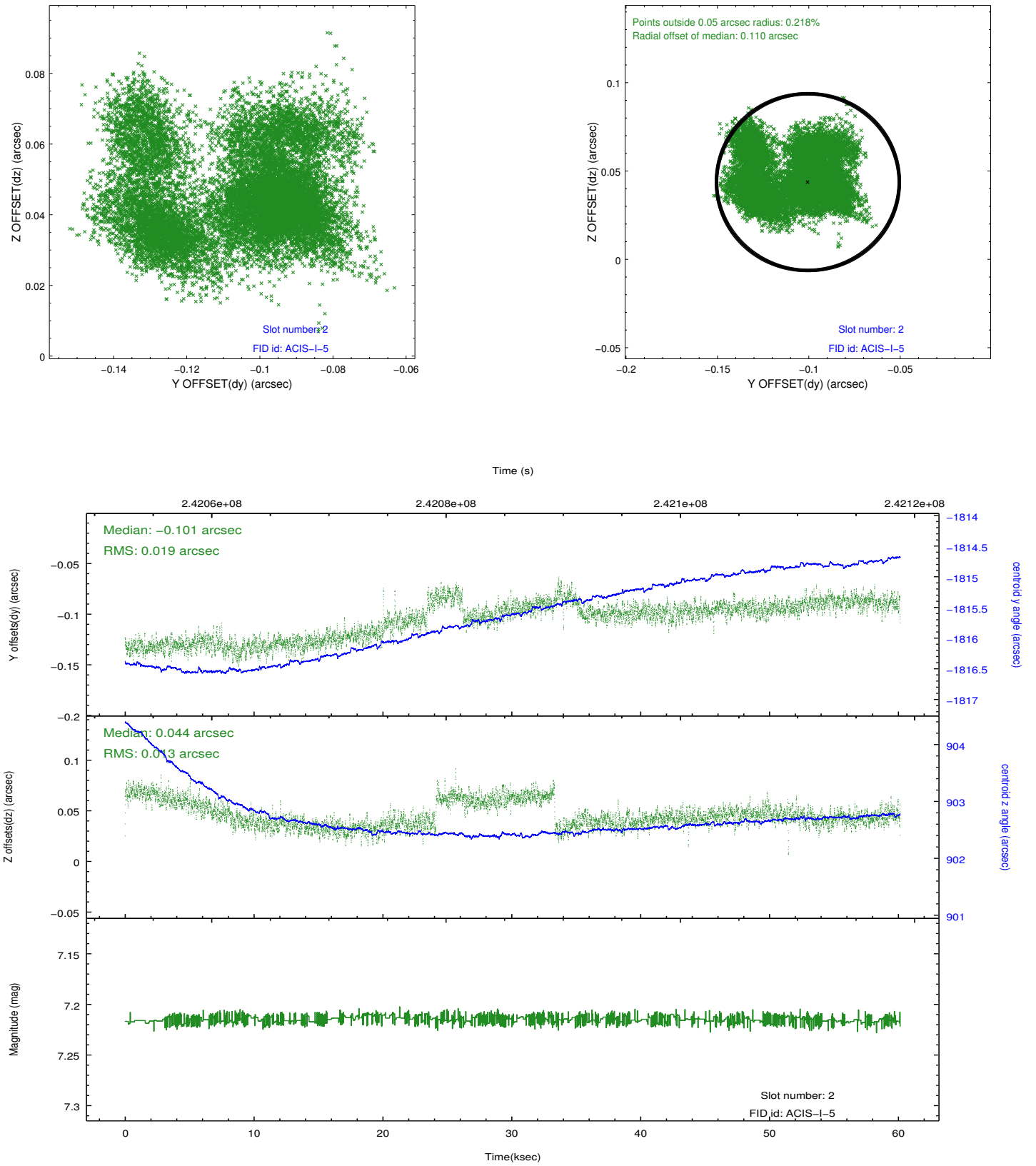
2.5.1 Slot 0



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)	2013.01.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	59.76795

A.2 Comments