

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16055 - L2 Version 1
Chandra X-Ray Center

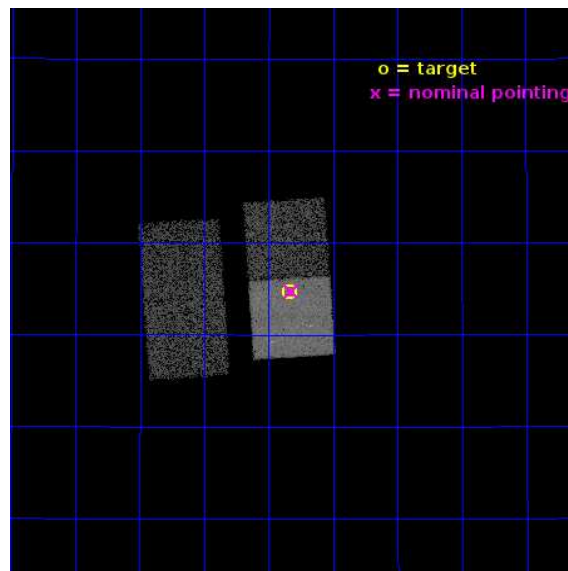
L2 Processing Date : Aug 14 2014

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1 Front

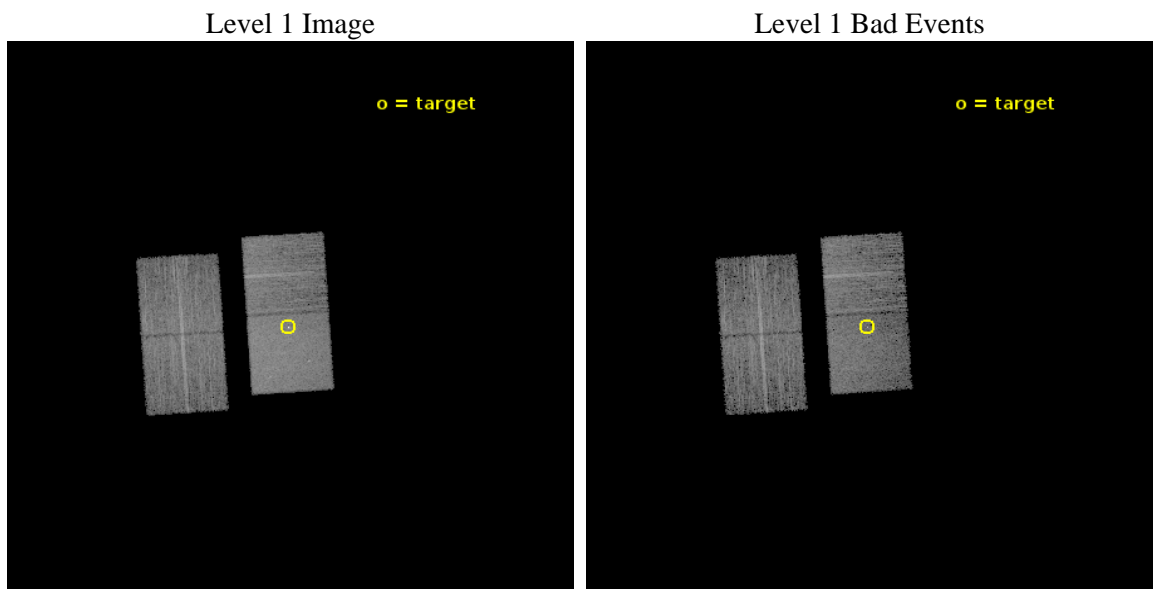
seq_num	702949	Sequence number
obs_id	16055	Observation id
title	Continuing the Chandra 3CR Snapshot Survey: 23 Radio Sources with 0.5	Proposal title
observer	Dr. Francesco Massaro	Principal investigator
object	3C154	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	93.45875	Observer's specified target RA [deg]
dec_targ	26.076861	Observer's specified target Dec [deg]
ra_nom	93.45601106865	Nominal RA [deg]
dec_nom	26.078742776931	Nominal Dec [deg]
roll_nom	86.32305293904	Nominal Roll [deg]
revision	1	Processing version of data
ontime	12080.700092912	Sum of GTIs [s]
livetime	11922.856852516	Livetime [s]
ontime2	12080.700092912	Sum of GTIs [s]
ontime3	12080.700092912	Sum of GTIs [s]
ontime6	12080.700092912	Sum of GTIs [s]
ontime7	12080.700092912	Sum of GTIs [s]
l2events	53897	Number of level 2 events



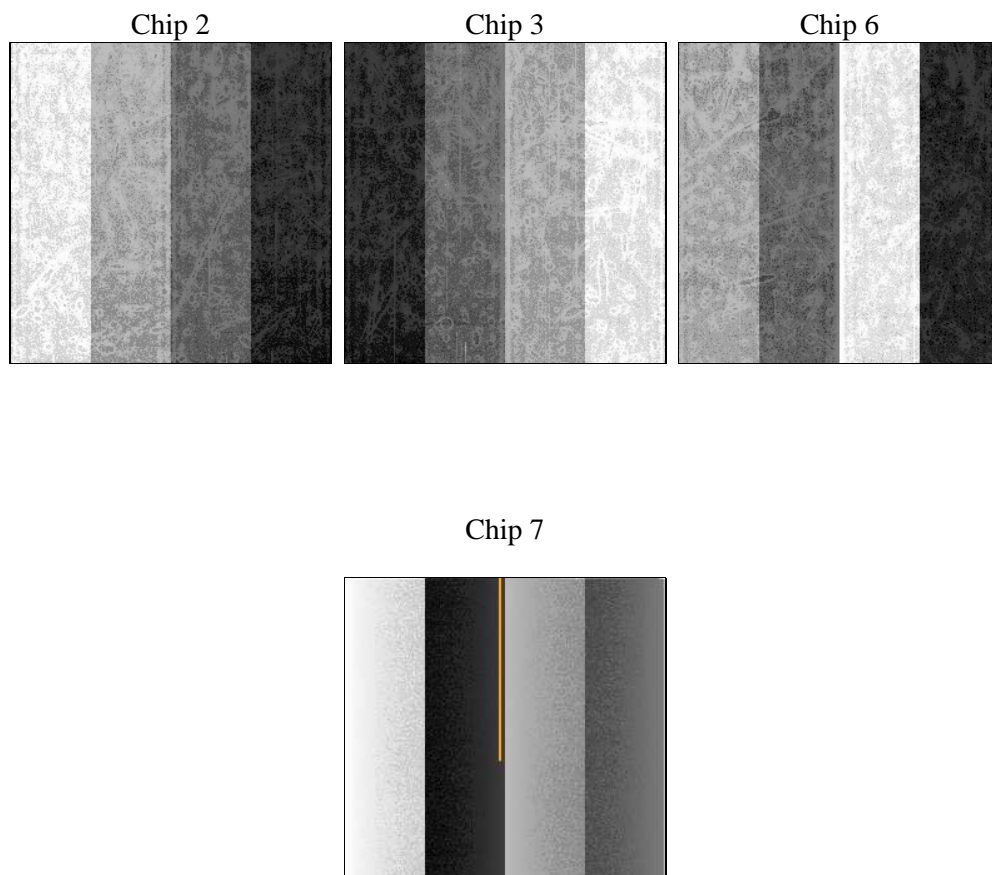
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12000.349000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	12080.700092912	Sum of GTIs [s]
caldsver	4.6.2	 	ontime2	12080.700092912	Sum of GTIs [s]
date	2014-08-14T14:33:53	Date and time of file creation	ontime3	12080.700092912	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	12080.700092912	Sum of GTIs [s]
			ontime7	12080.700092912	Sum of GTIs [s]
			l1events	253542	Number of level 1 events

2.1.4 Events

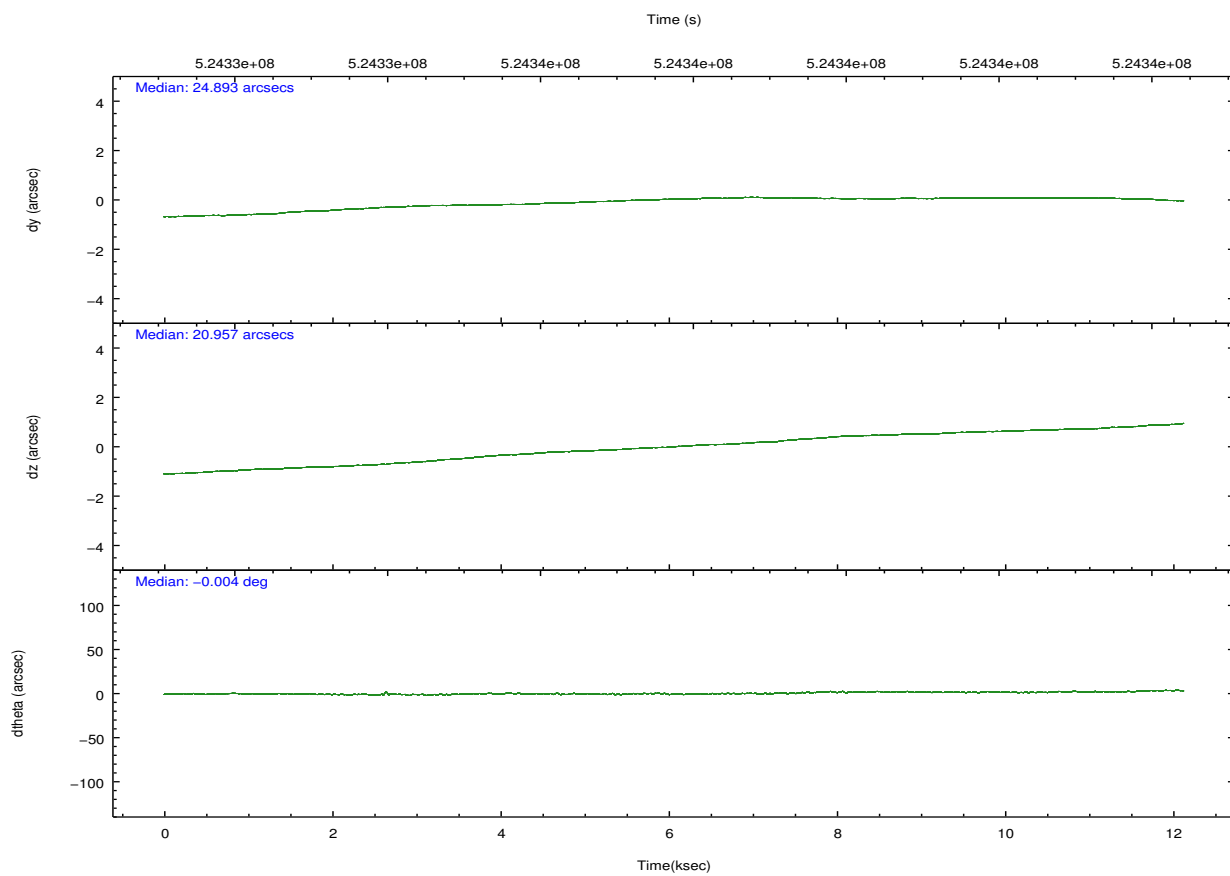
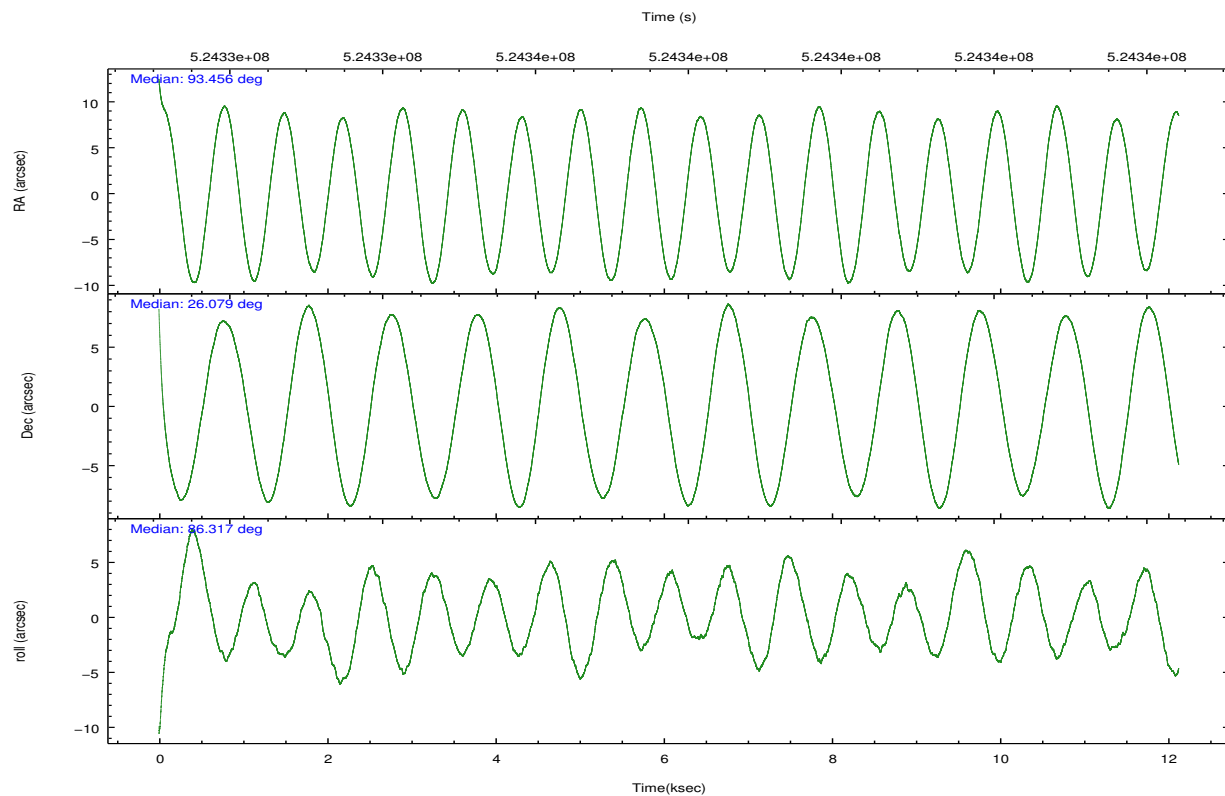
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	56389	55442	59007	82704
rejected events	49636	48984	51800	45588
rejected %	88%	88%	87%	55%

	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2404	2220	2419	3456
	4%	4%	4%	4%
grade 1 events	38	38	31	134
	0%	0%	0%	0%
grade 2 events	1598	1455	1653	7852
	2%	2%	2%	9%
grade 3 events	669	690	733	3233
	1%	1%	1%	3%
grade 4 events	706	711	737	3145
	1%	1%	1%	3%
grade 5 events	2586	3123	3066	8359
	4%	5%	5%	10%
grade 6 events	1378	1386	1666	19452
	2%	2%	2%	23%
grade 7 events	47010	45819	48702	37073
	83%	82%	82%	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	93.469897	93.45601106865021	CCD I2 on	O1	Y
[deg] Pointing Dec	26.054305	26.07874277693141	CCD I3 on	O2	Y
[deg] Pointing Roll	86.160330	86.32305293904	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	N	N
[s] Observation start time (MET)	524331797.184000	524330591.46513	CCD S5 on	N	N
Observation start date	2014-08-13T15:42:10	2014-08-13T15:23:11	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	524343797.184000	524344023.06588	On-chip summing requested	N	N
Observation end date	2014-08-13T19:02:10	2014-08-13T19:07:03	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect

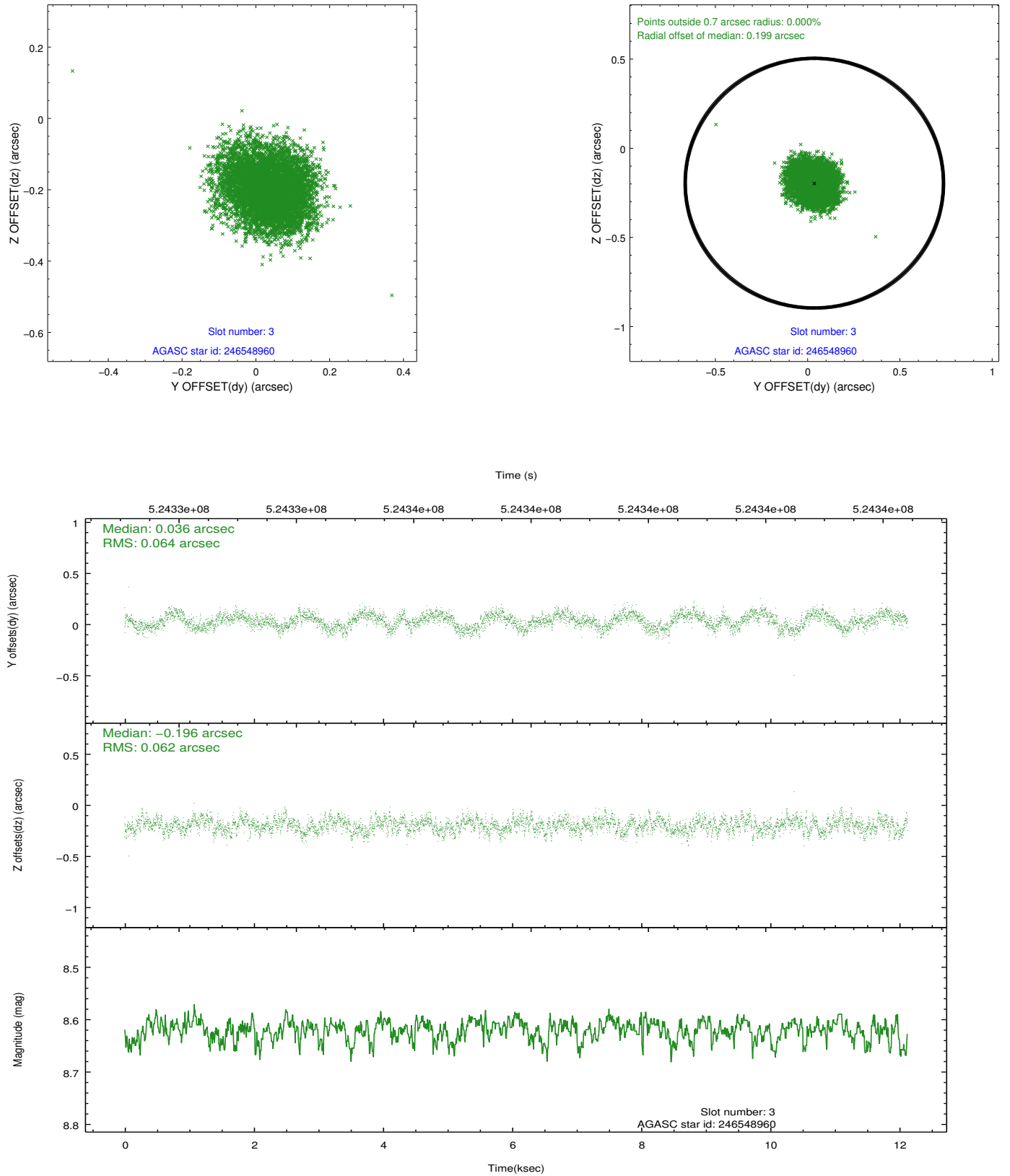


Slot Statistics

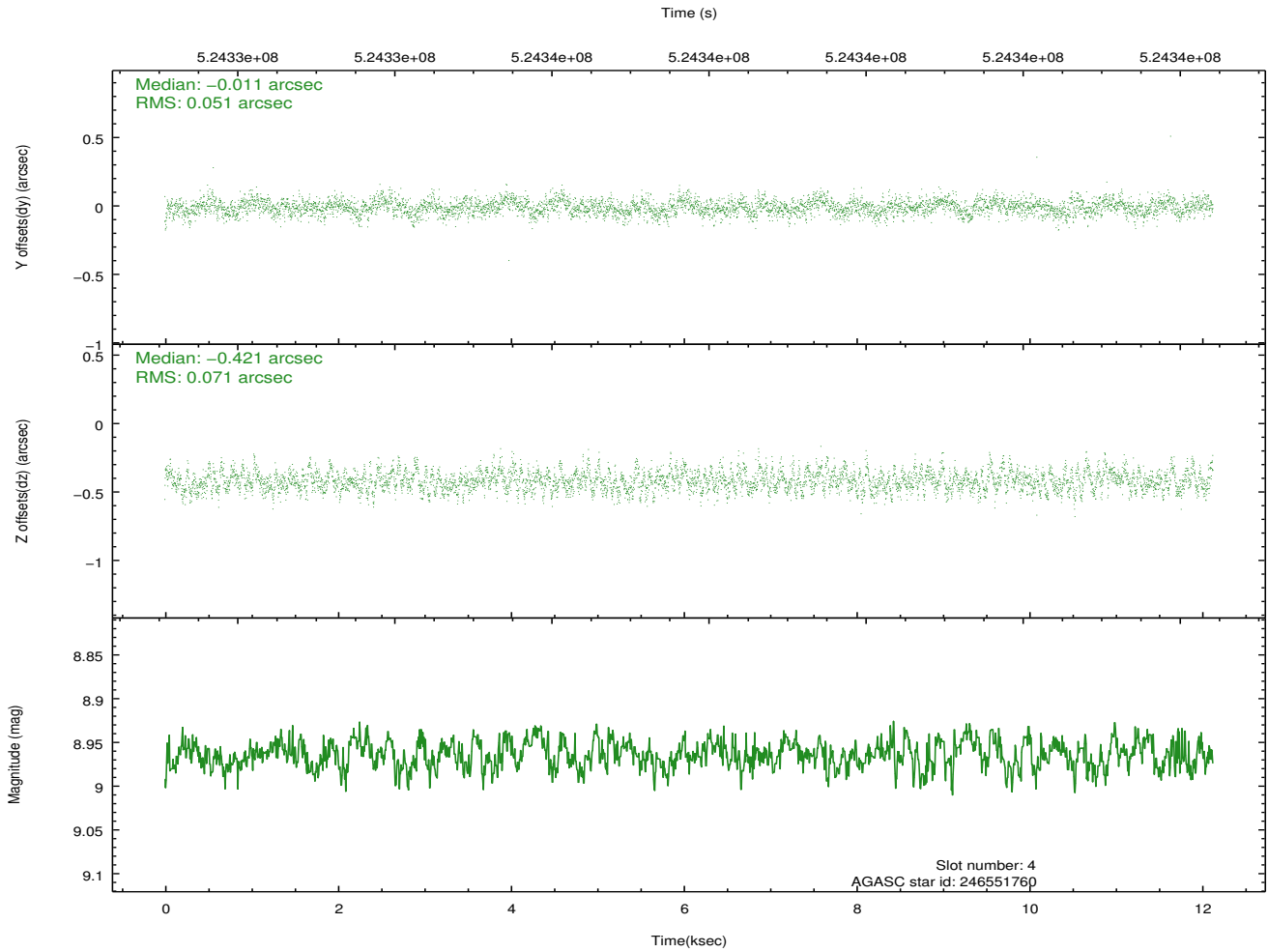
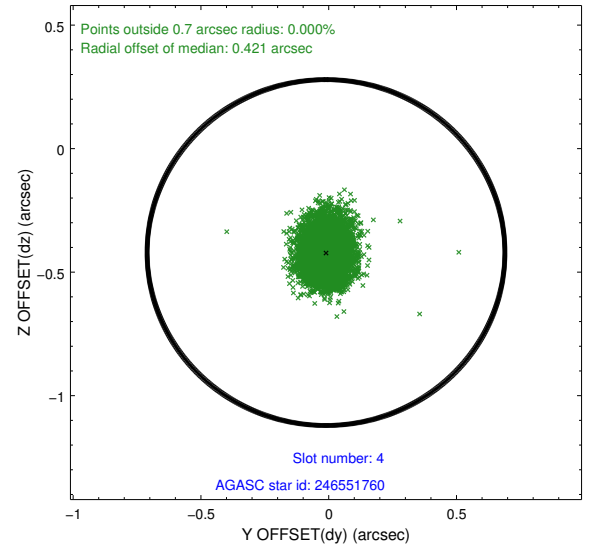
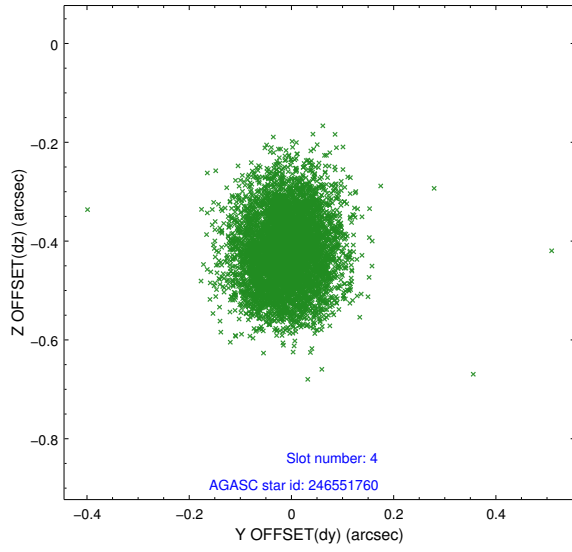
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.97	2958	-0.186	-0.024	0.014	0.023	0.000000	0.000000	-778.19	-1742.43
1	FID	ACIS-S-4	7.07	2958	0.372	0.096	0.013	0.021	0.000000	0.000000	2135.45	165.74
2	FID	ACIS-S-5	7.08	2957	-0.218	-0.063	0.014	0.022	0.000000	0.000000	-1830.54	159.72
3	GUIDE	246548960	8.62	5911	0.036	-0.196	0.097	0.150	92.936333	25.985061	-361.13	1706.06
4	GUIDE	246551760	8.96	5913	-0.011	-0.421	0.093	0.151	92.789375	25.935410	-569.08	2169.82
5	GUIDE	247072760	8.97	5913	-0.241	-0.246	0.103	0.163	92.921515	26.685195	2151.19	1912.61
6	GUIDE	247205408	8.21	5915	0.057	0.390	0.099	0.159	94.213220	26.493395	1745.18	-2282.16
7	GUIDE	246553584	8.99	5912	0.153	0.471	0.103	0.164	93.602556	25.390479	-2354.67	-590.60

2.4 Star Slots

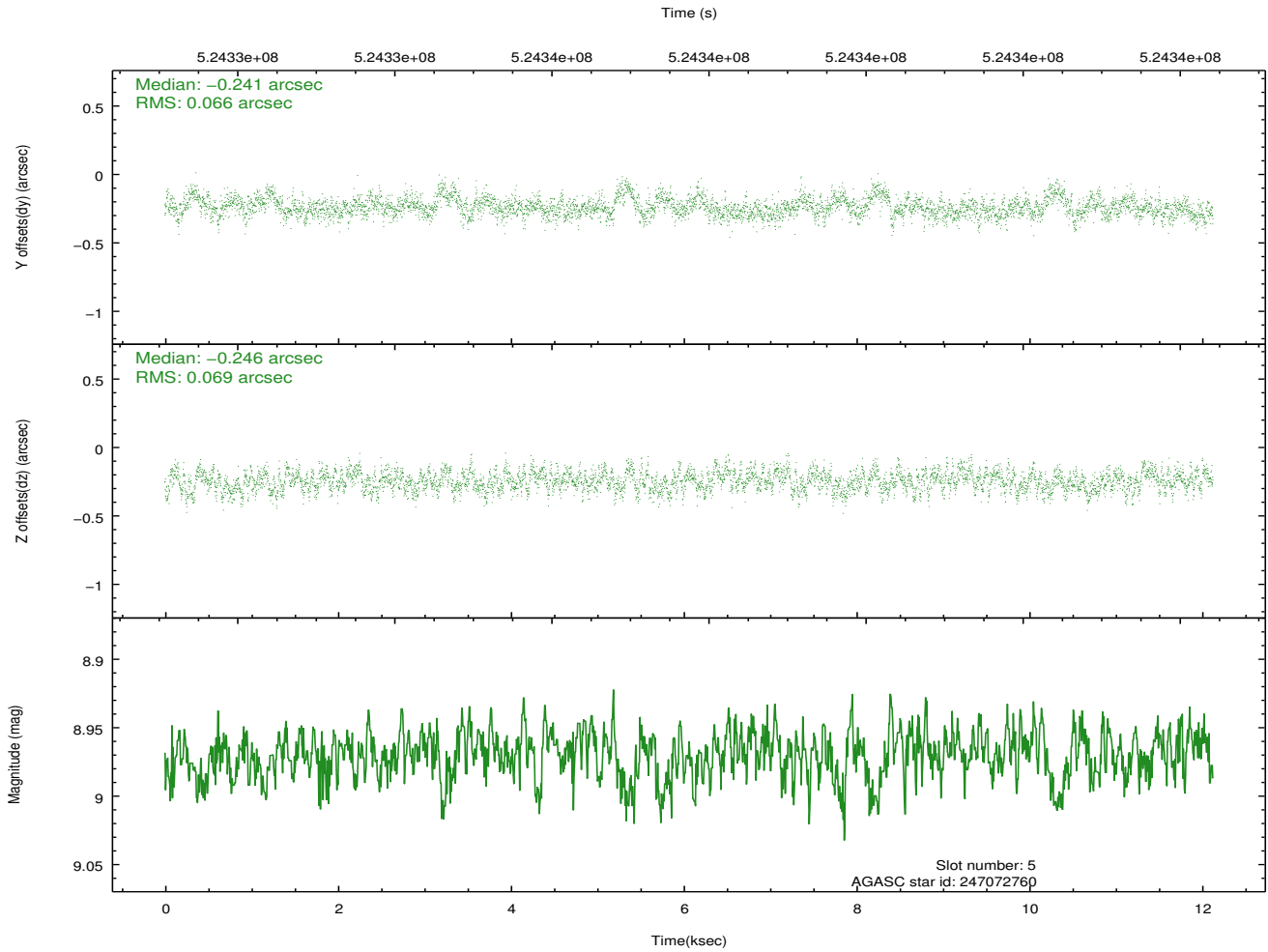
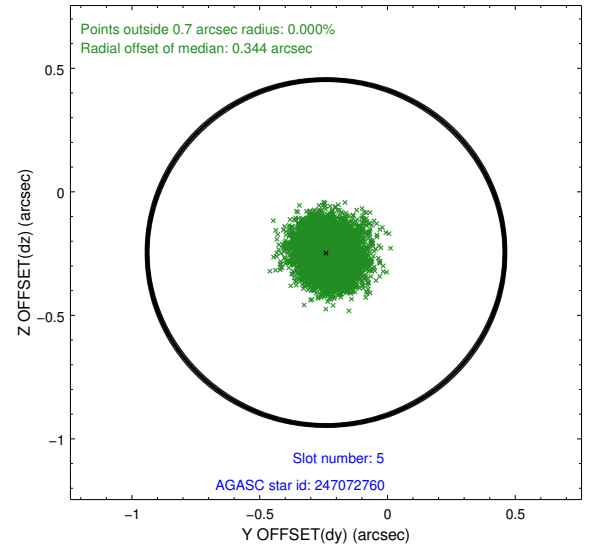
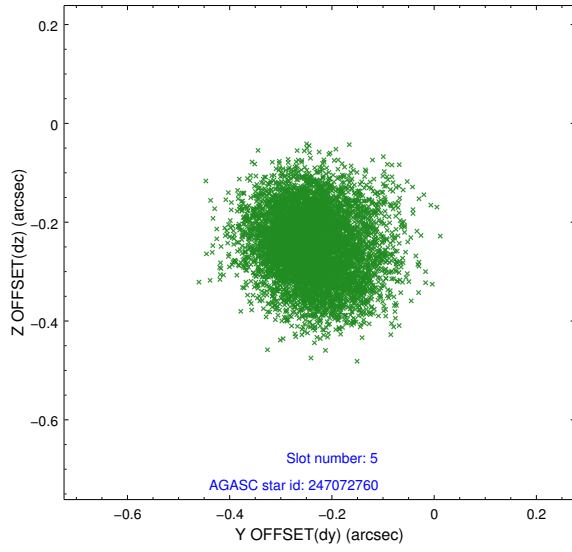
2.4.1 Slot 3



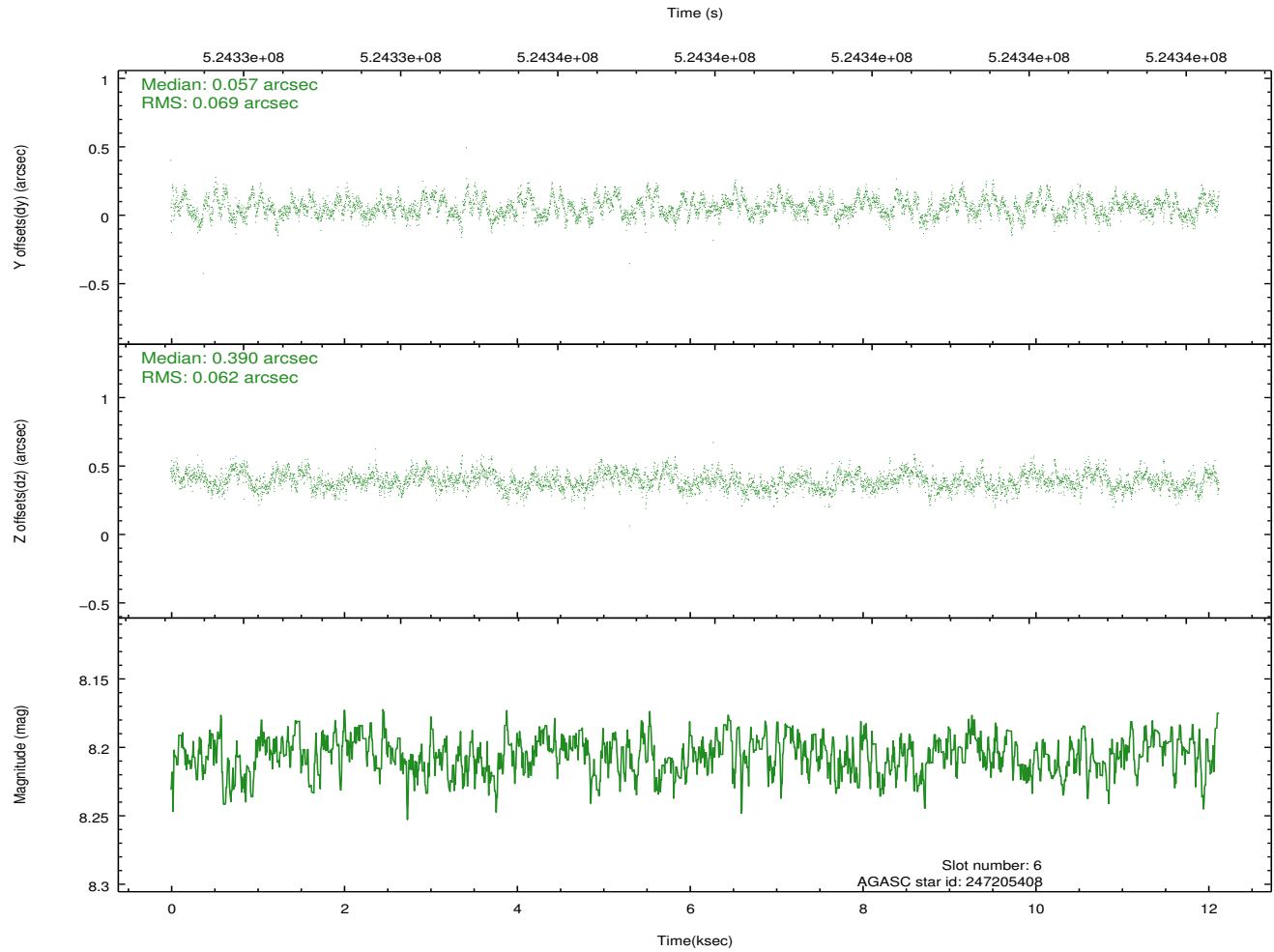
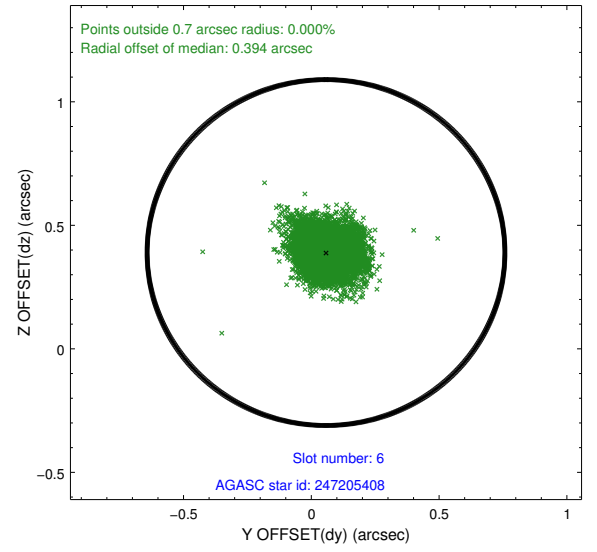
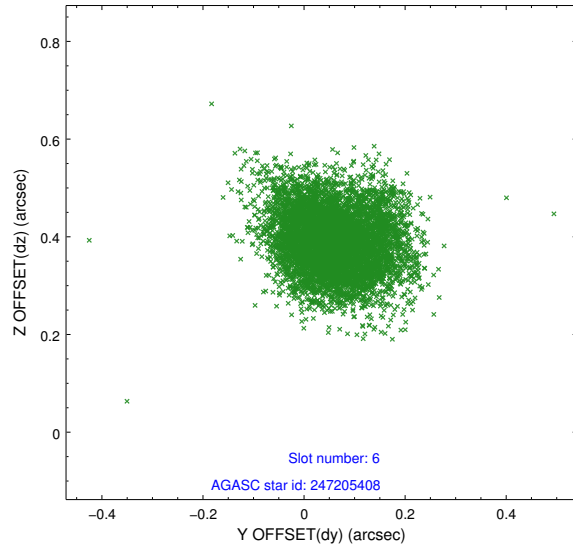
2.4.2 Slot 4



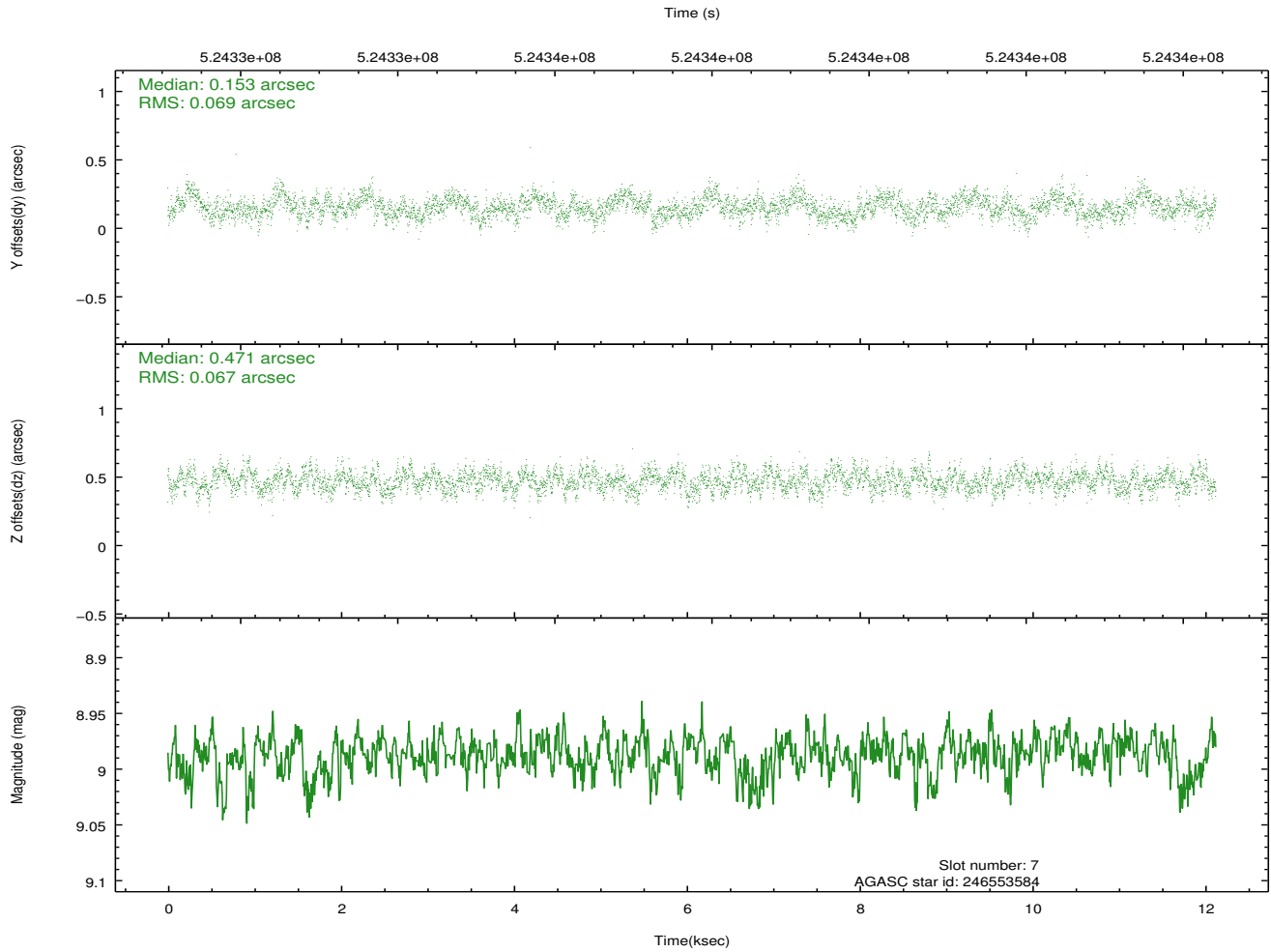
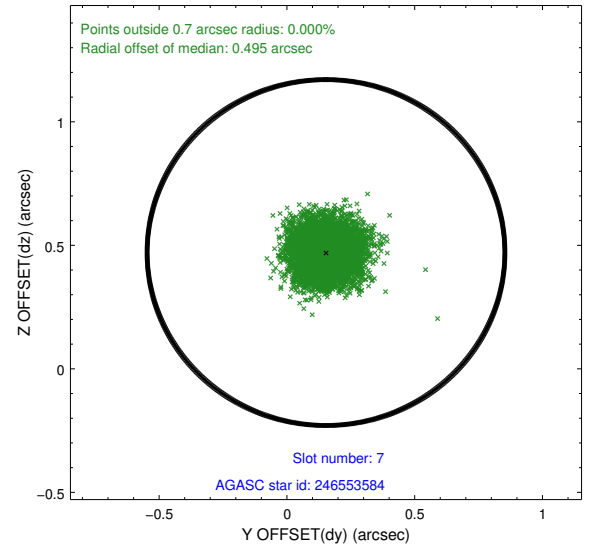
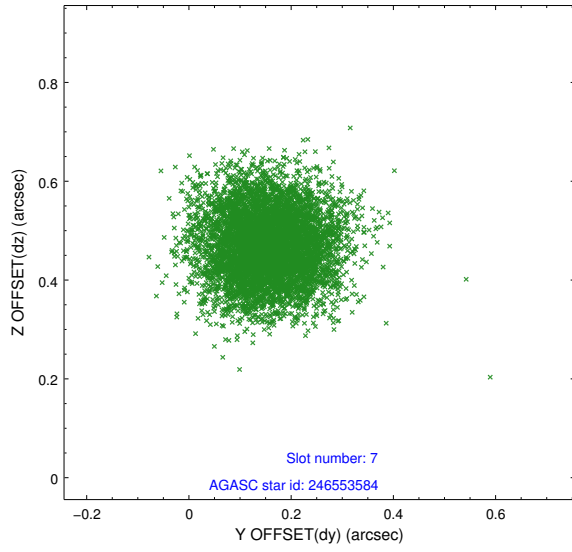
2.4.3 Slot 5



2.4.4 Slot 6

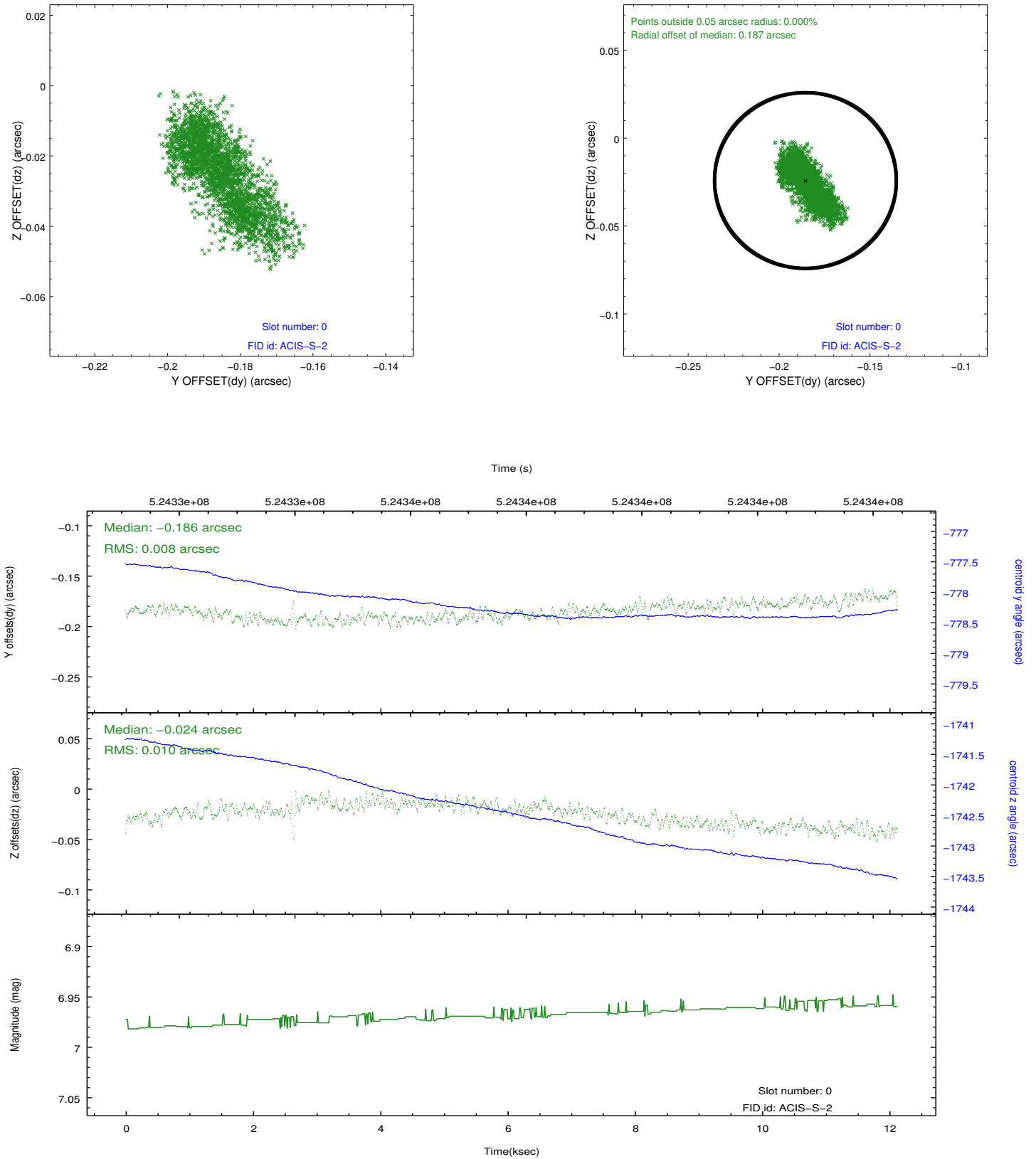


2.4.5 Slot 7

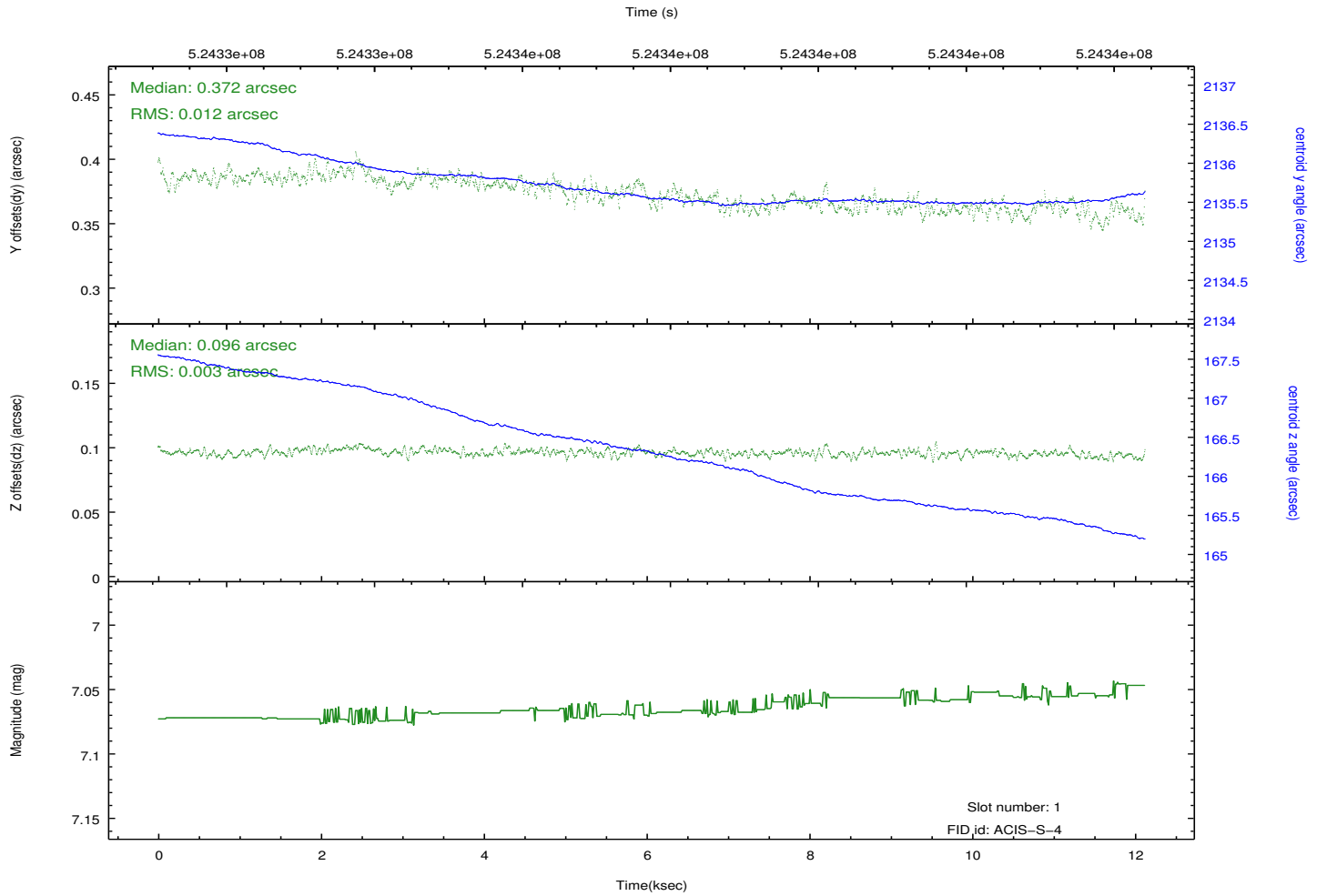
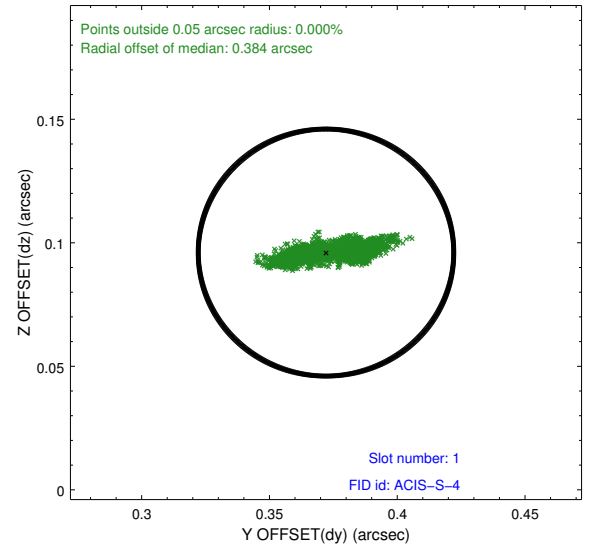
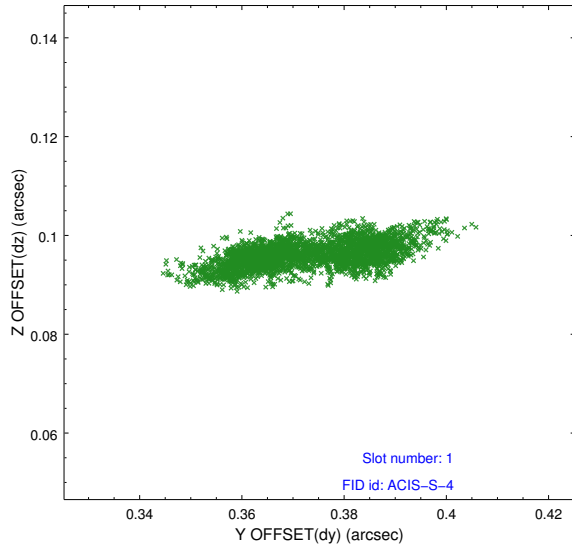


2.5 FID Slots

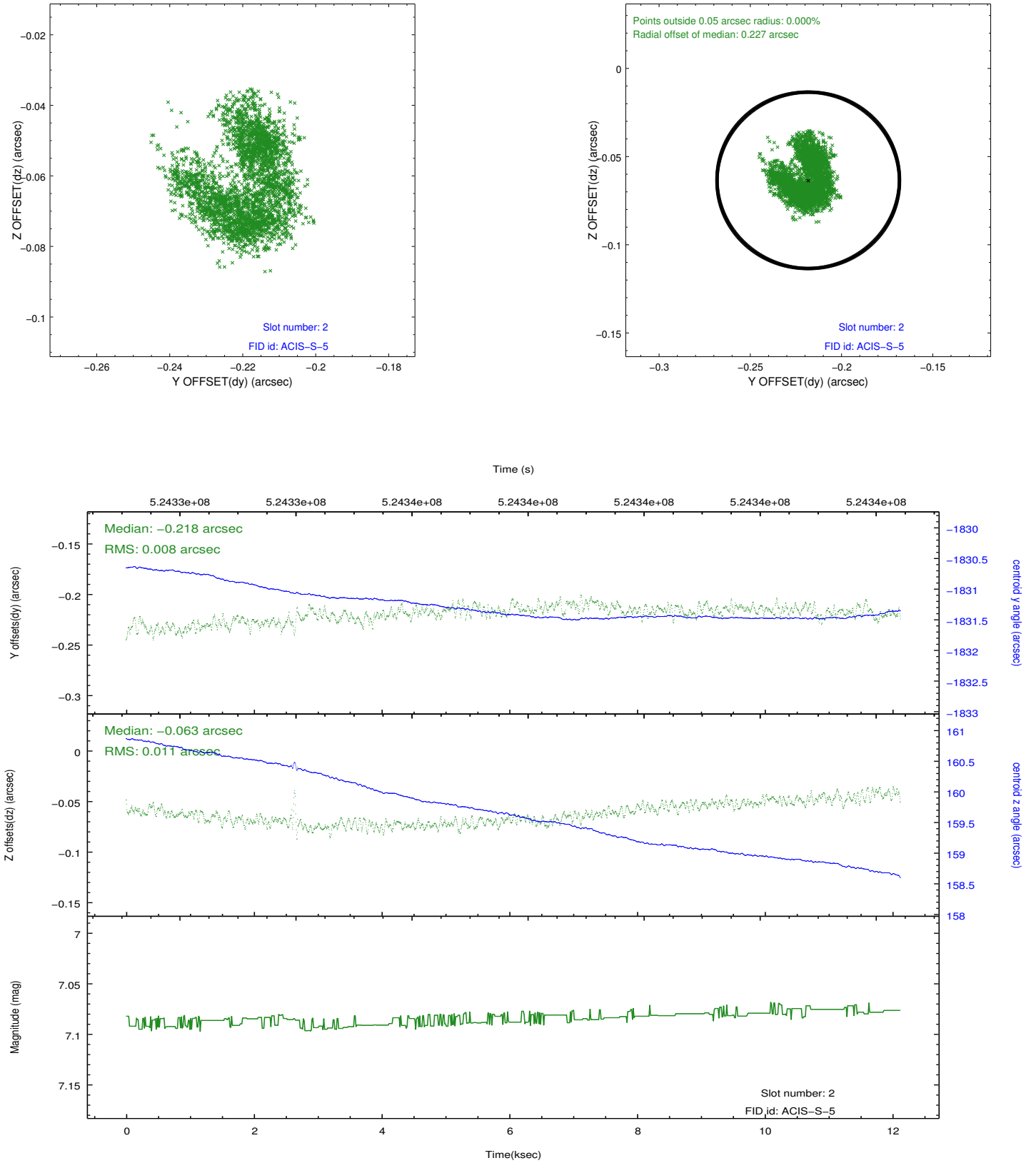
2.5.1 Slot 0



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)	2014.08.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.080700092912

A.2 Comments