

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16065 - L2 Version 1
Chandra X-Ray Center

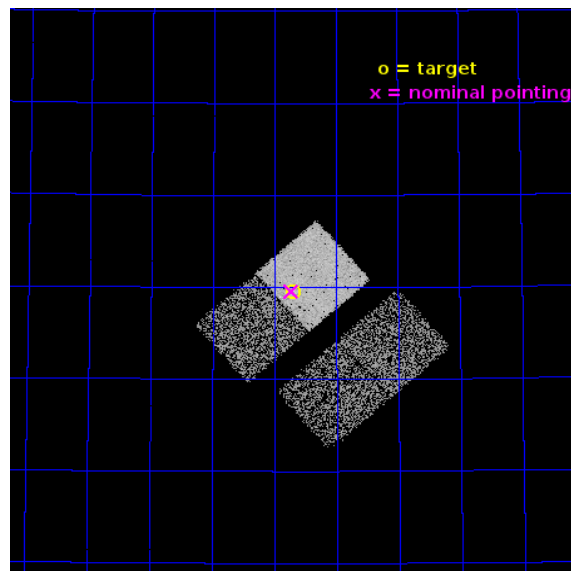
L2 Processing Date : Sep 14 2014

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1 Front

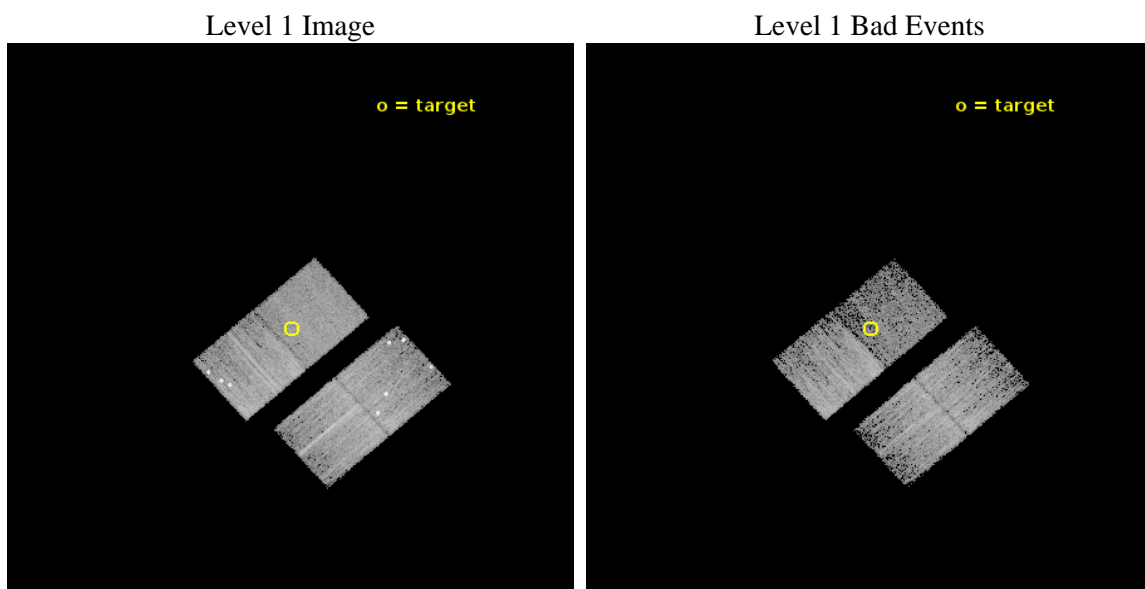
seq_num	702959	Sequence number
obs_id	16065	Observation id
title	Continuing the Chandra 3CR Snapshot Survey: 23 Radio Sources with 0.5	Proposal title
observer	Dr. Francesco Massaro	Principal investigator
object	3C292	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	207.675	Observer's specified target RA [deg]
dec_targ	64.491833	Observer's specified target Dec [deg]
ra_nom	207.68177539528	Nominal RA [deg]
dec_nom	64.492595525973	Nominal Dec [deg]
roll_nom	318.5803204812	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4026.9000309706	Sum of GTIs [s]
livetime	3974.2856175053	Livetime [s]
ontime2	4026.9000309706	Sum of GTIs [s]
ontime3	4026.9000309706	Sum of GTIs [s]
ontime6	4023.7590007186	Sum of GTIs [s]
ontime7	4026.9000309706	Sum of GTIs [s]
l2events	27134	Number of level 2 events



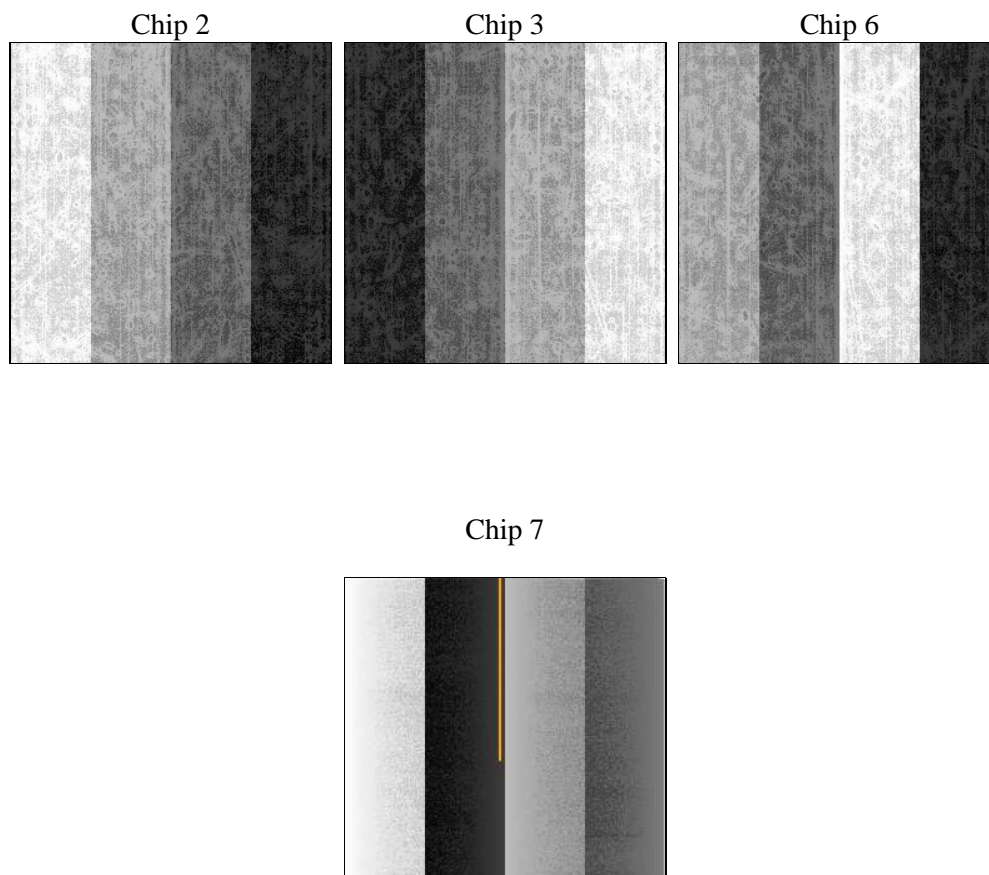
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	4026.9000309706	Sum of GTIs [s]
caldsver	4.6.3	 	ontime2	4026.9000309706	Sum of GTIs [s]
date	2014-09-14T17:52:12	Date and time of file creation	ontime3	4026.9000309706	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	4023.7590007186	Sum of GTIs [s]
			ontime7	4026.9000309706	Sum of GTIs [s]
			l1events	188171	Number of level 1 events

2.1.4 Events

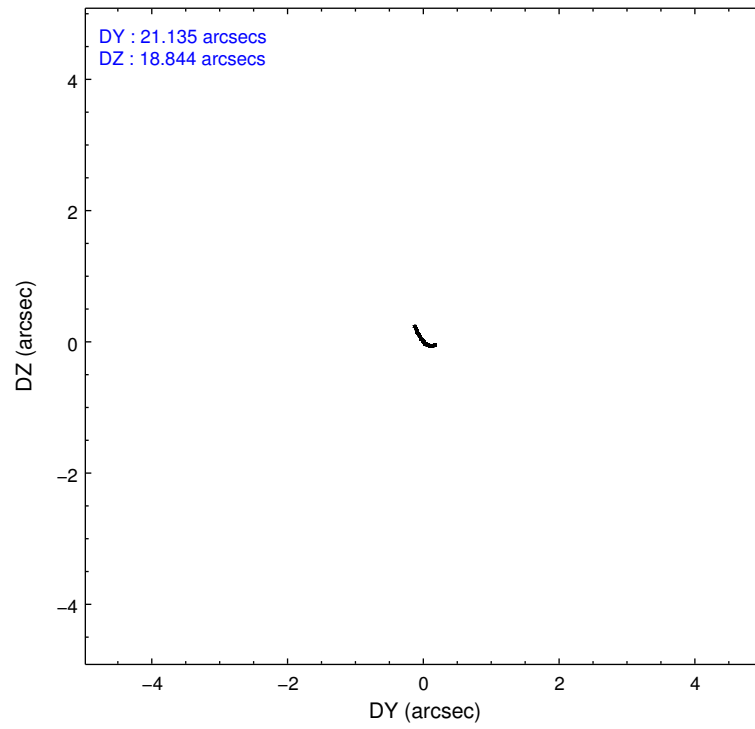
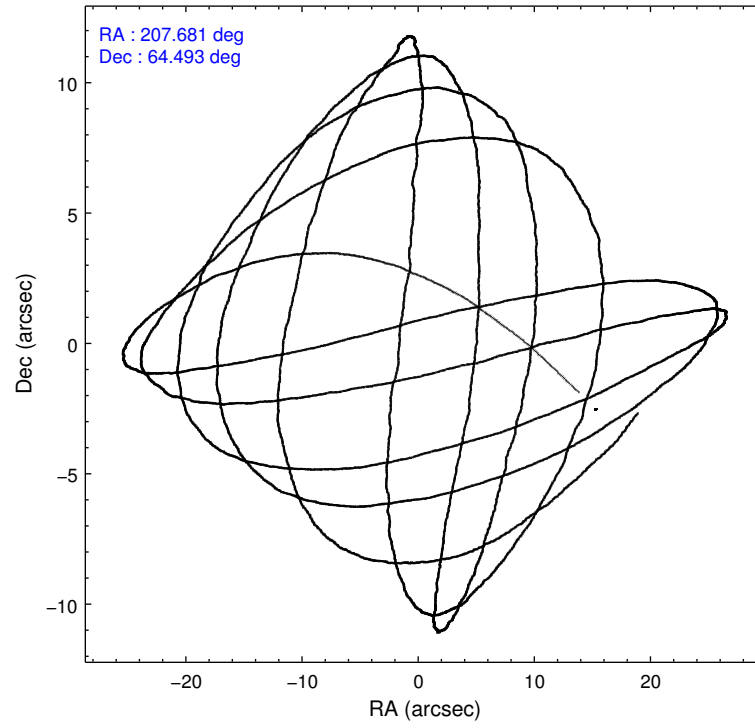
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	49138	47629	52995	38409
rejected events	41160	38745	43004	19959
rejected %	83%	81%	81%	51%

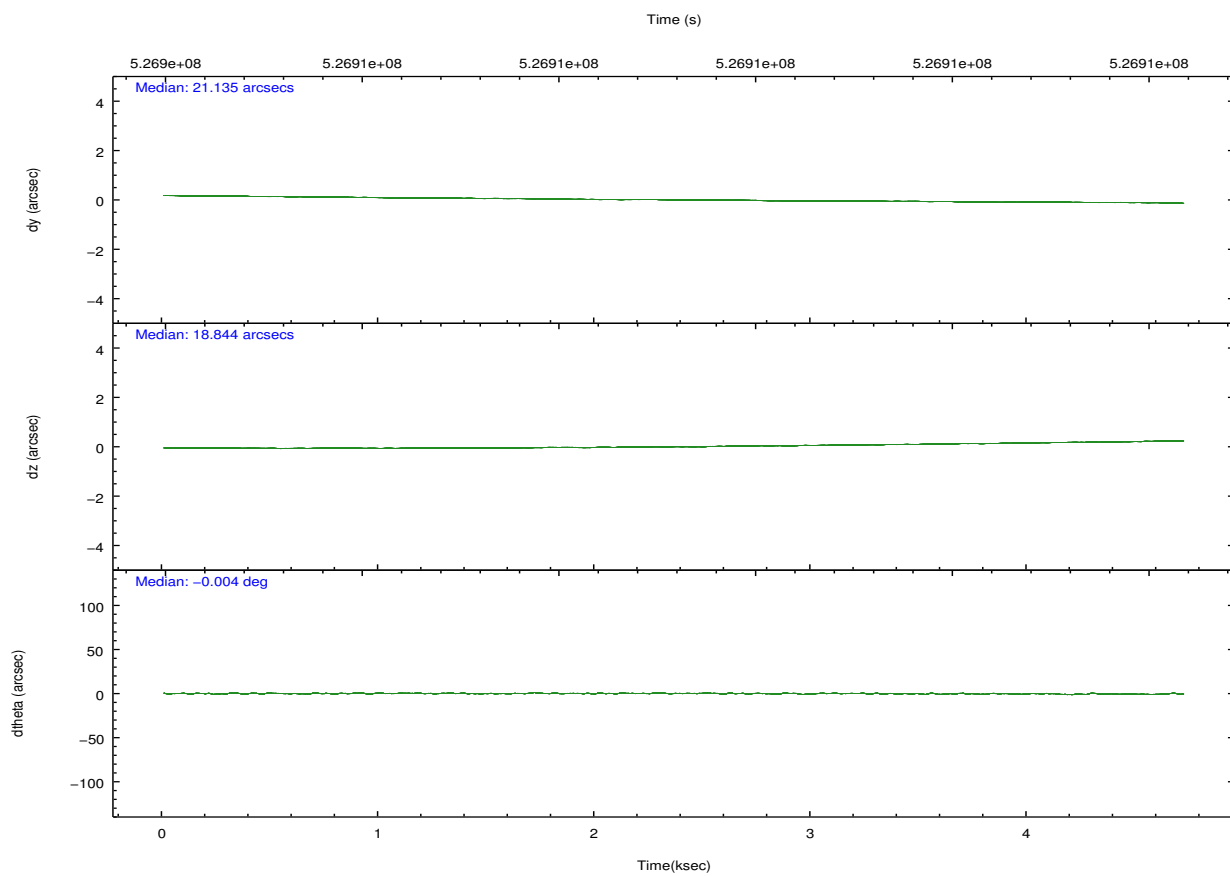
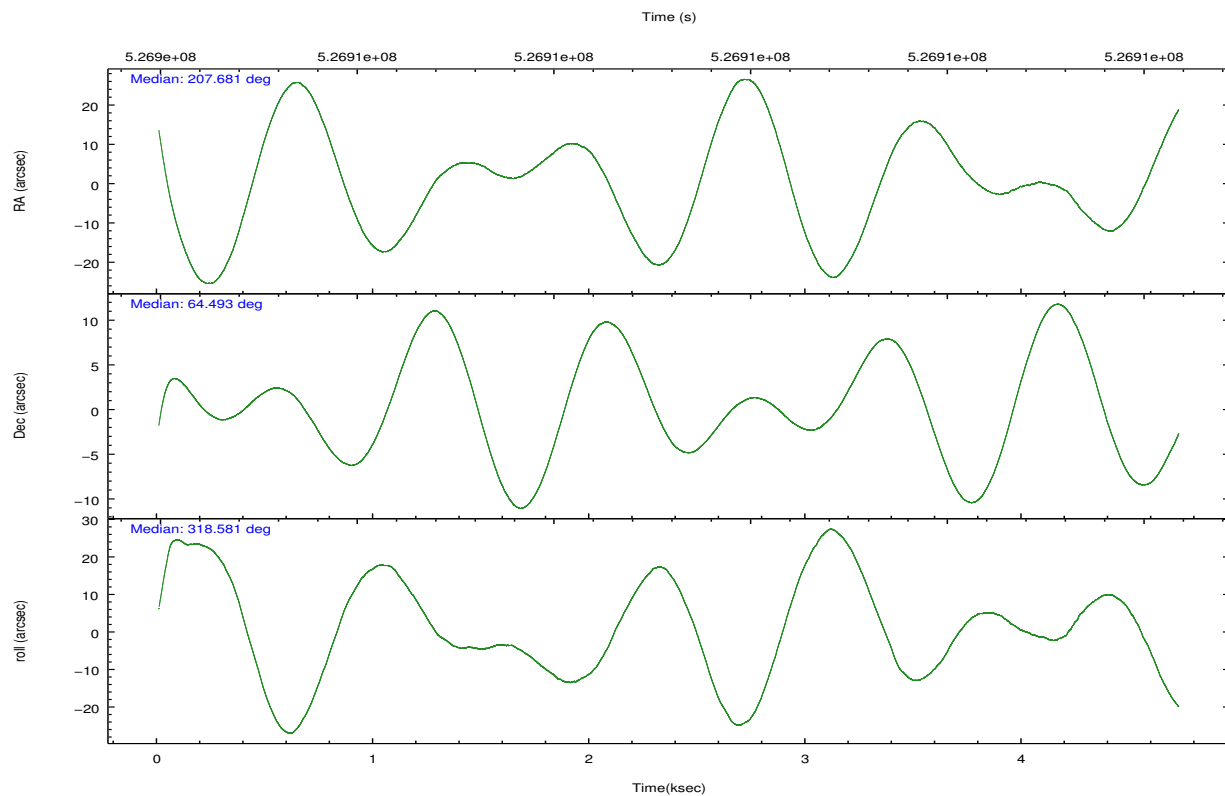
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	3903	4541	5761	2123
	7%	9%	10%	5%
grade 1 events	49	32	41	136
	0%	0%	0%	0%
grade 2 events	2237	3340	3130	5269
	4%	7%	5%	13%
grade 3 events	275	262	243	1635
	0%	0%	0%	4%
grade 4 events	911	256	306	1724
	1%	0%	0%	4%
grade 5 events	919	1064	1051	3337
	1%	2%	1%	8%
grade 6 events	740	548	629	7843
	1%	1%	1%	20%
grade 7 events	40104	37586	41834	16342
	81%	78%	78%	42%

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	207.619329	207.6817753952838	CCD I2 on	O1	Y
[deg] Pointing Dec	64.497710	64.49259552597346	CCD I3 on	O2	Y
[deg] Pointing Roll	318.480043	318.5803204811967	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	N	N
[s] Observation start time (MET)	526905965.184000	526904216.95794	CCD S5 on	N	N
Observation start date	2014-09-12T10:44:58	2014-09-12T10:16:56	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	526917965.184000	526909946.70826	On-chip summing requested	N	N
Observation end date	2014-09-12T14:04:58	2014-09-12T11:52:26	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



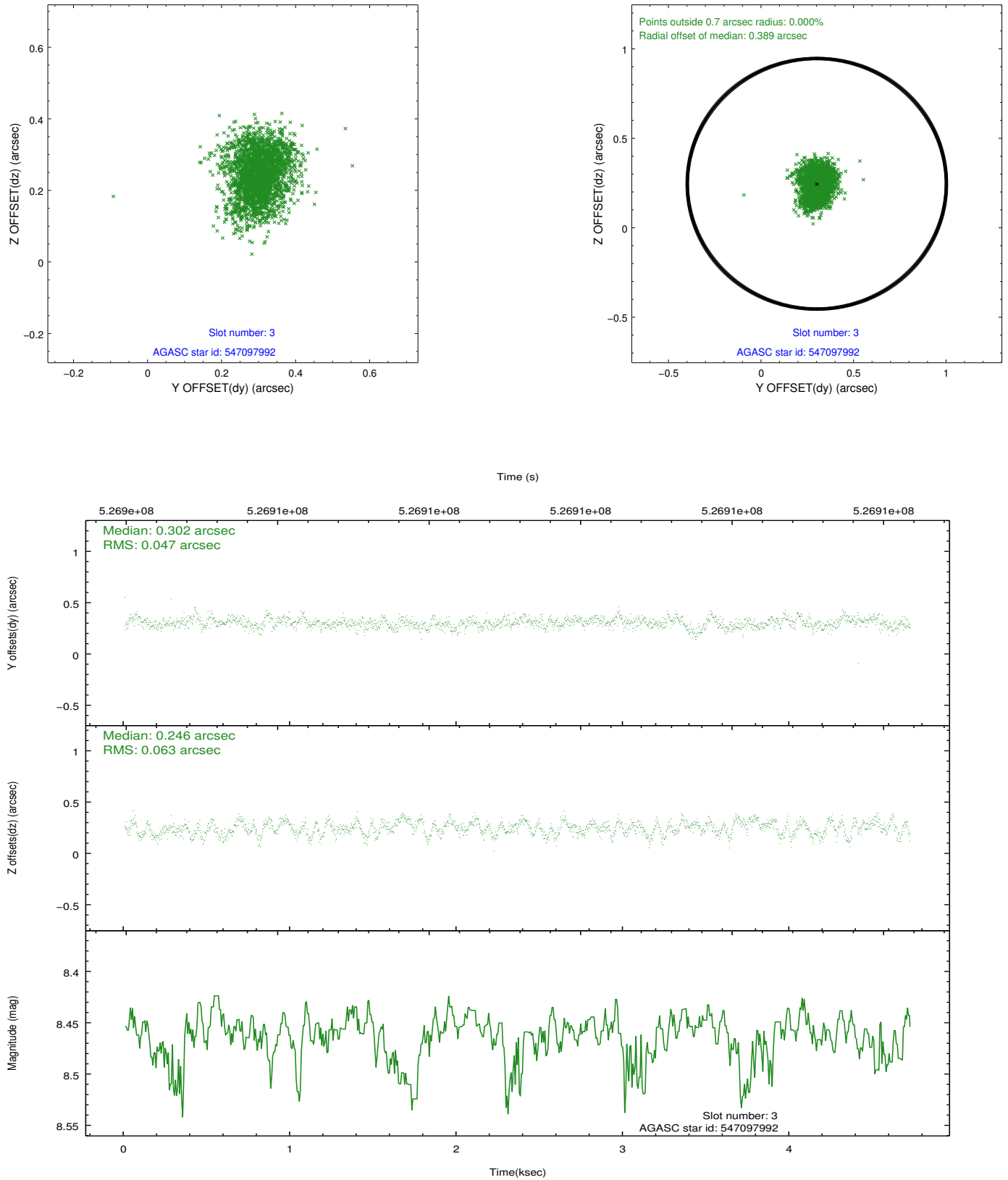


Slot Statistics

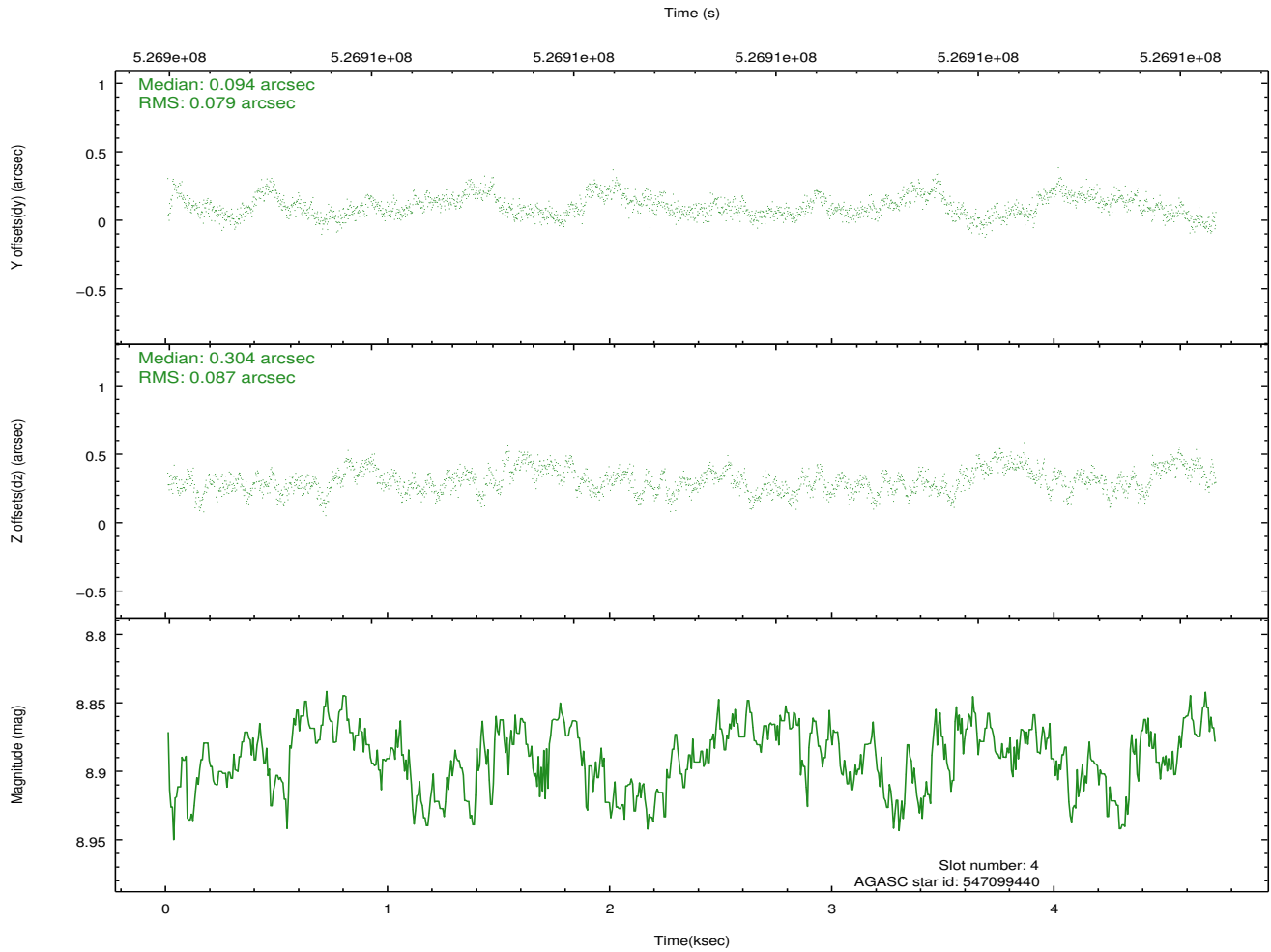
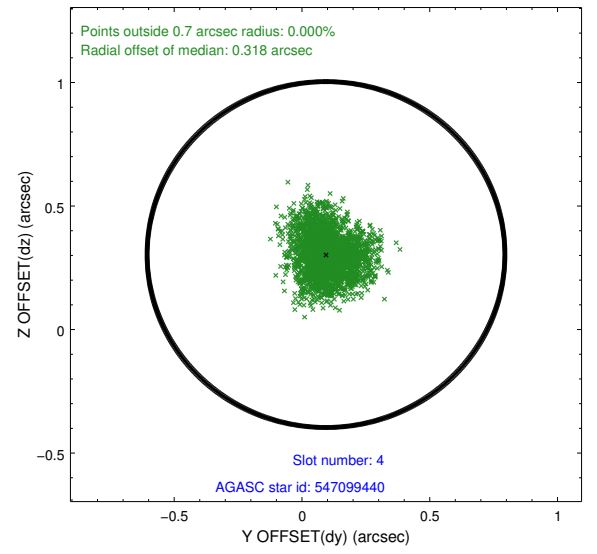
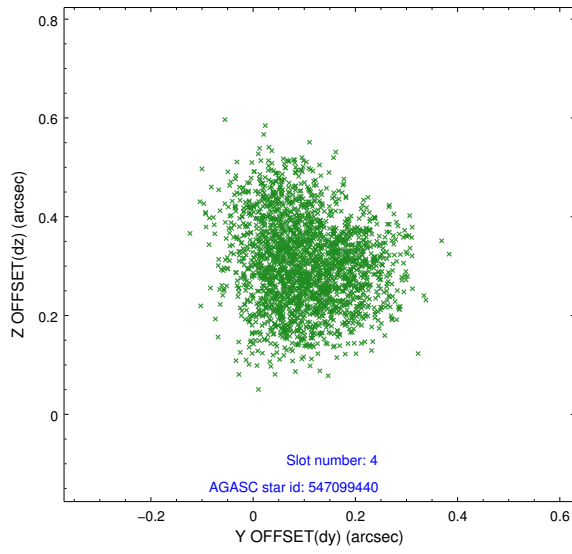
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.96	1151	-0.131	-0.046	0.009	0.013	0.000000	0.000000	-774.41	-1740.40
1	FID	ACIS-S-4	7.05	1151	0.269	0.075	0.006	0.011	0.000000	0.000000	2138.66	166.85
2	FID	ACIS-S-5	7.07	1151	-0.169	-0.021	0.009	0.015	0.000000	0.000000	-1825.63	161.90
3	GUIDE	547097992	8.46	2302	0.302	0.246	0.083	0.134	206.374363	64.630733	-1766.52	-899.05
4	GUIDE	547099440	8.89	2302	0.094	0.304	0.129	0.199	206.873024	64.026859	237.65	-2043.39
5	GUIDE	547101168	7.84	2302	-0.230	-0.144	0.075	0.119	208.384078	64.245330	1493.67	117.53
6	GUIDE	547099584	9.43	2301	-0.195	-0.221	0.191	0.281	208.432961	64.237087	1570.94	147.83
7	GUIDE	547488808	9.66	2299	0.005	-0.175	0.182	0.304	207.136922	65.212881	-2254.79	1446.89

2.4 Star Slots

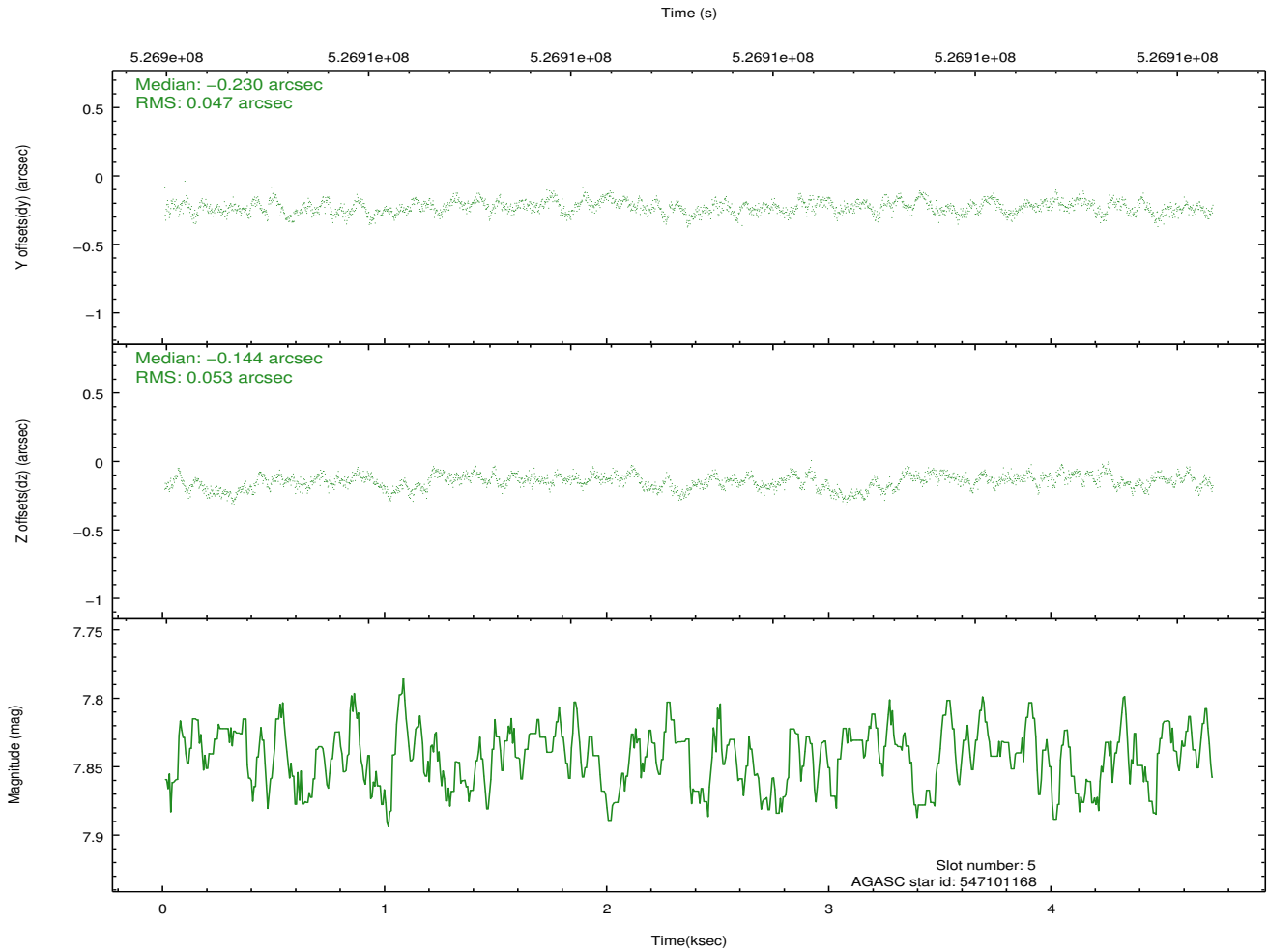
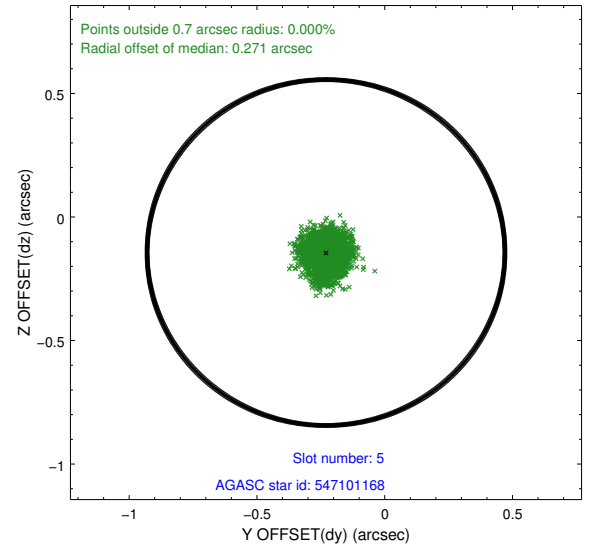
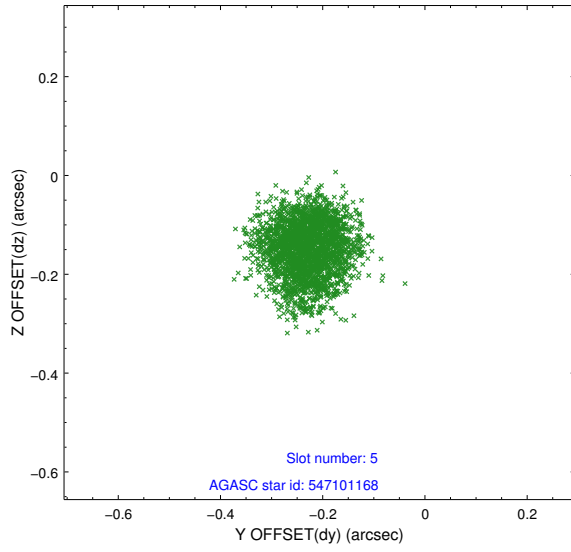
2.4.1 Slot 3



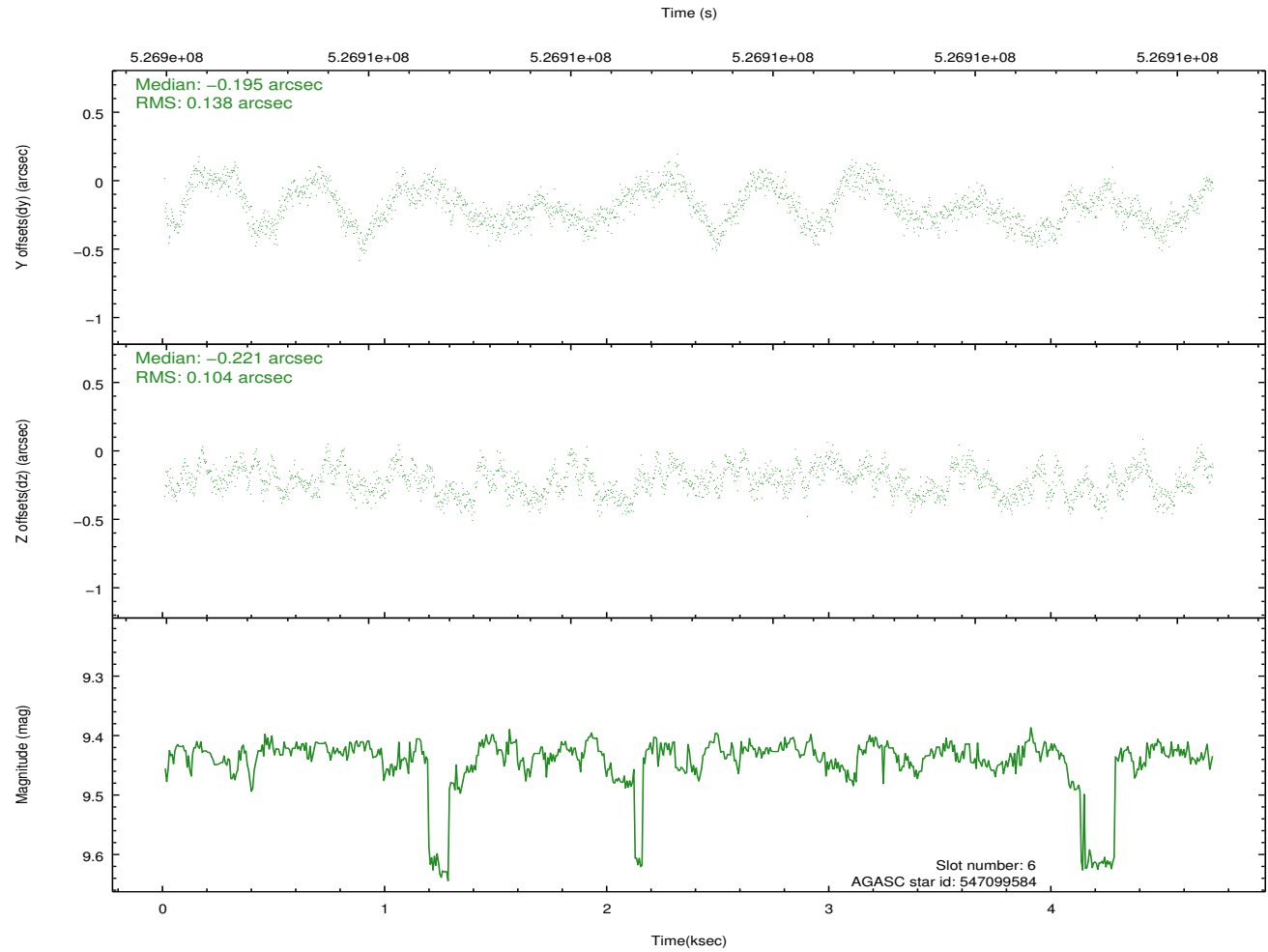
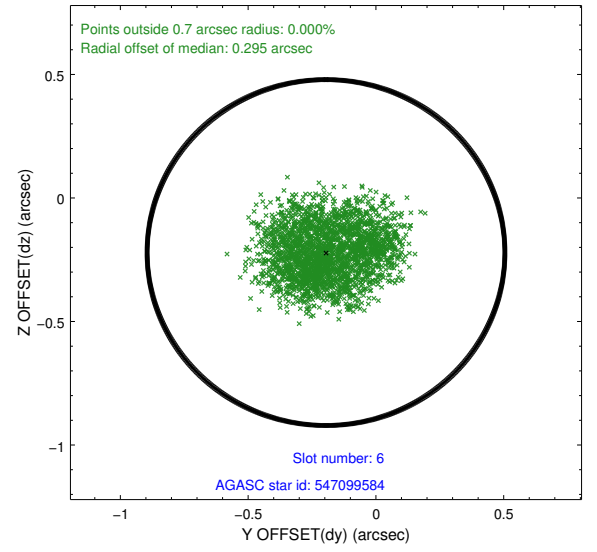
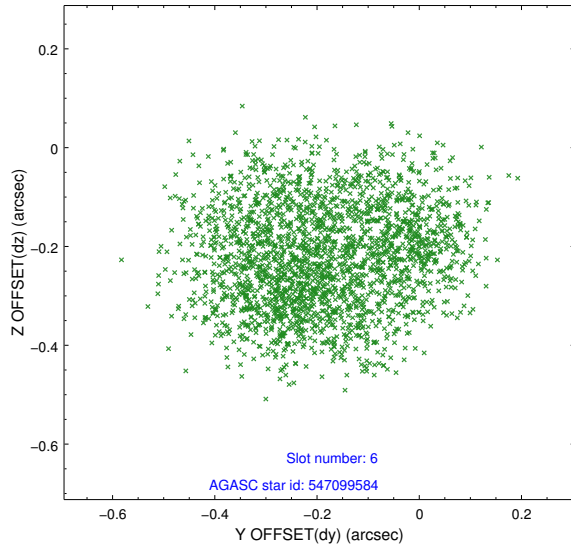
2.4.2 Slot 4



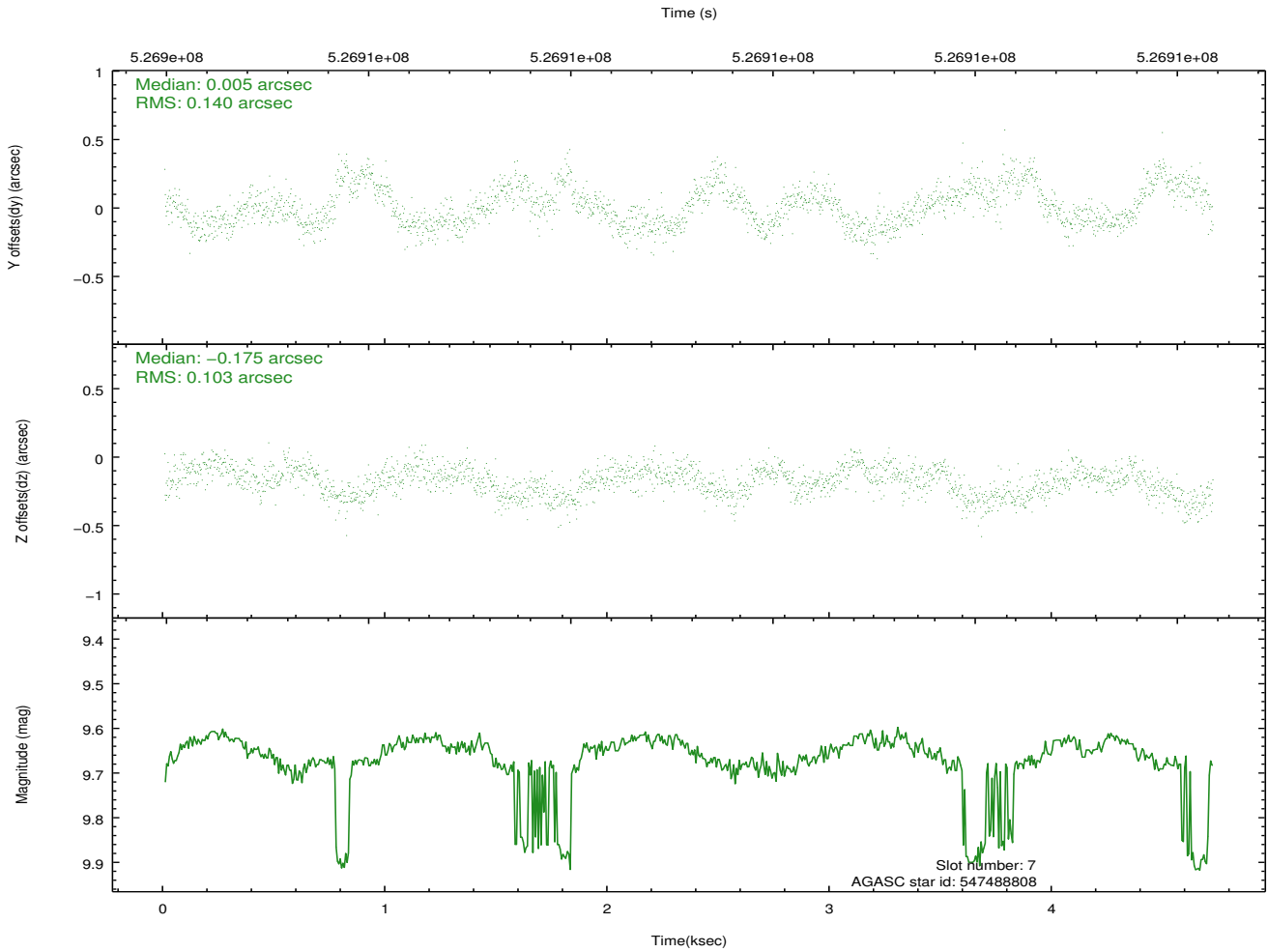
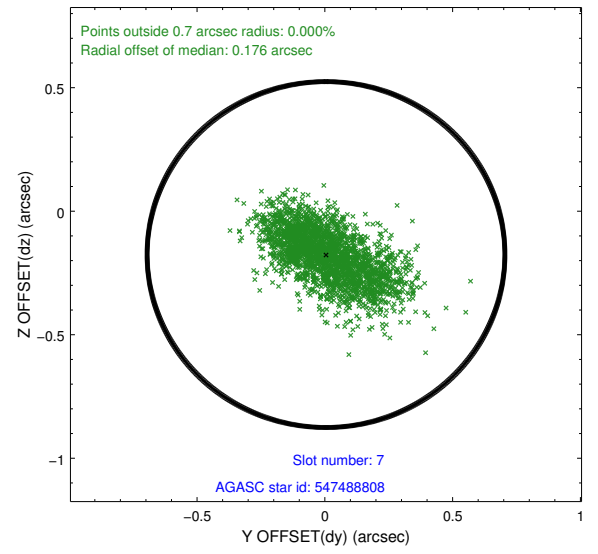
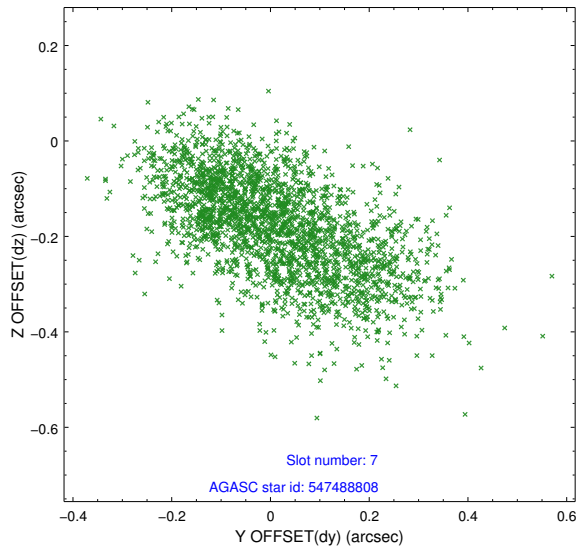
2.4.3 Slot 5



2.4.4 Slot 6

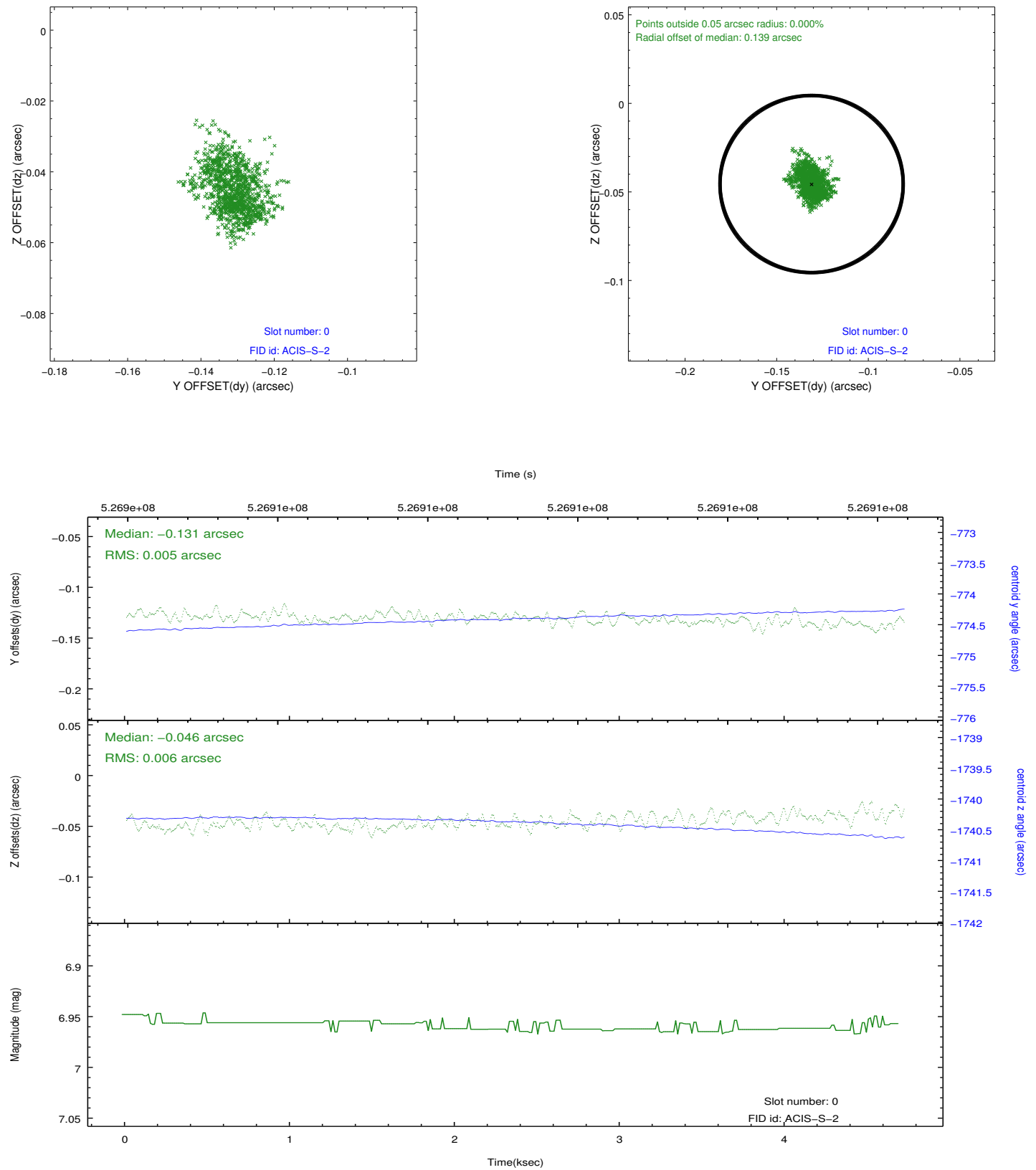


2.4.5 Slot 7

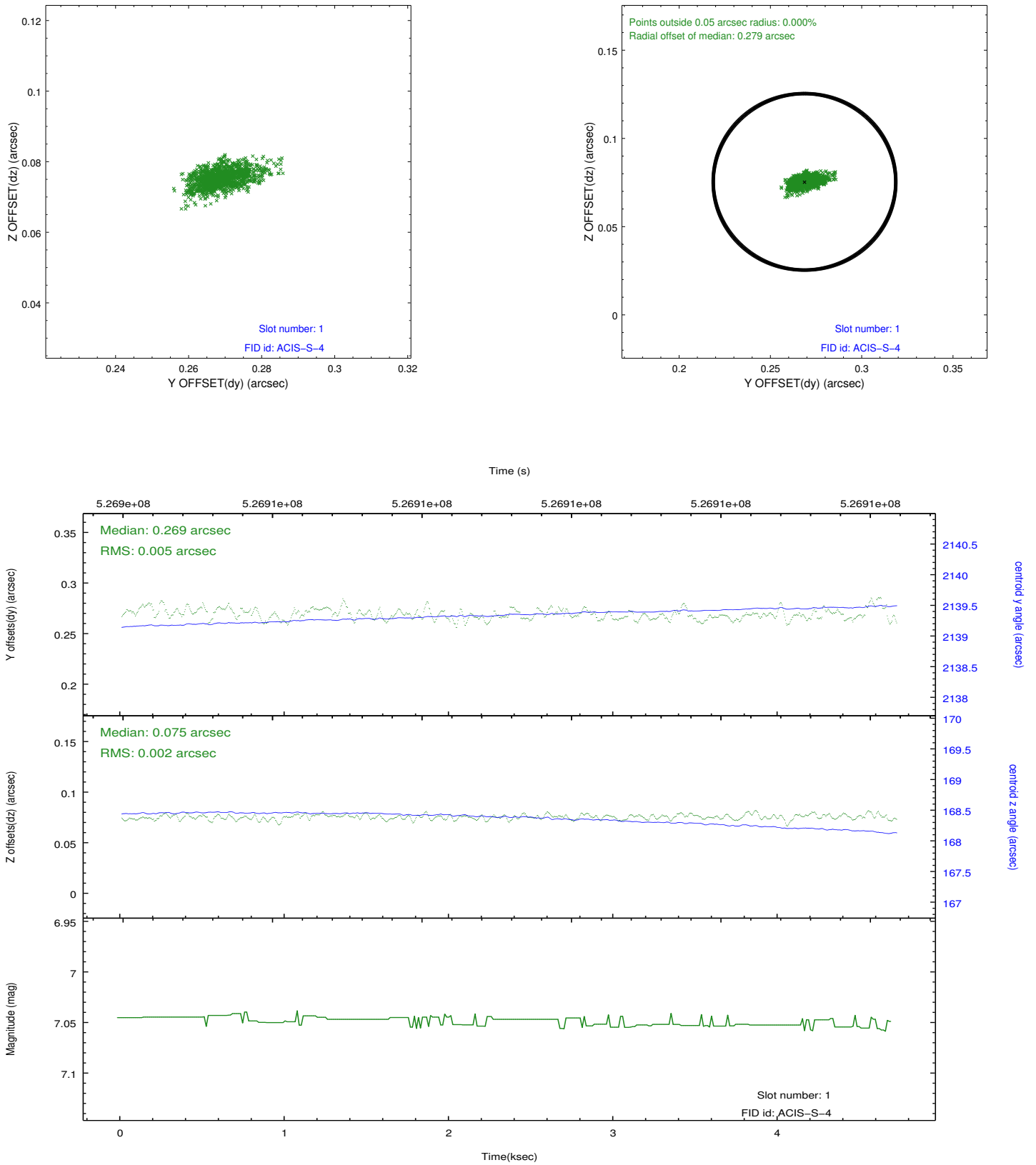


2.5 FID Slots

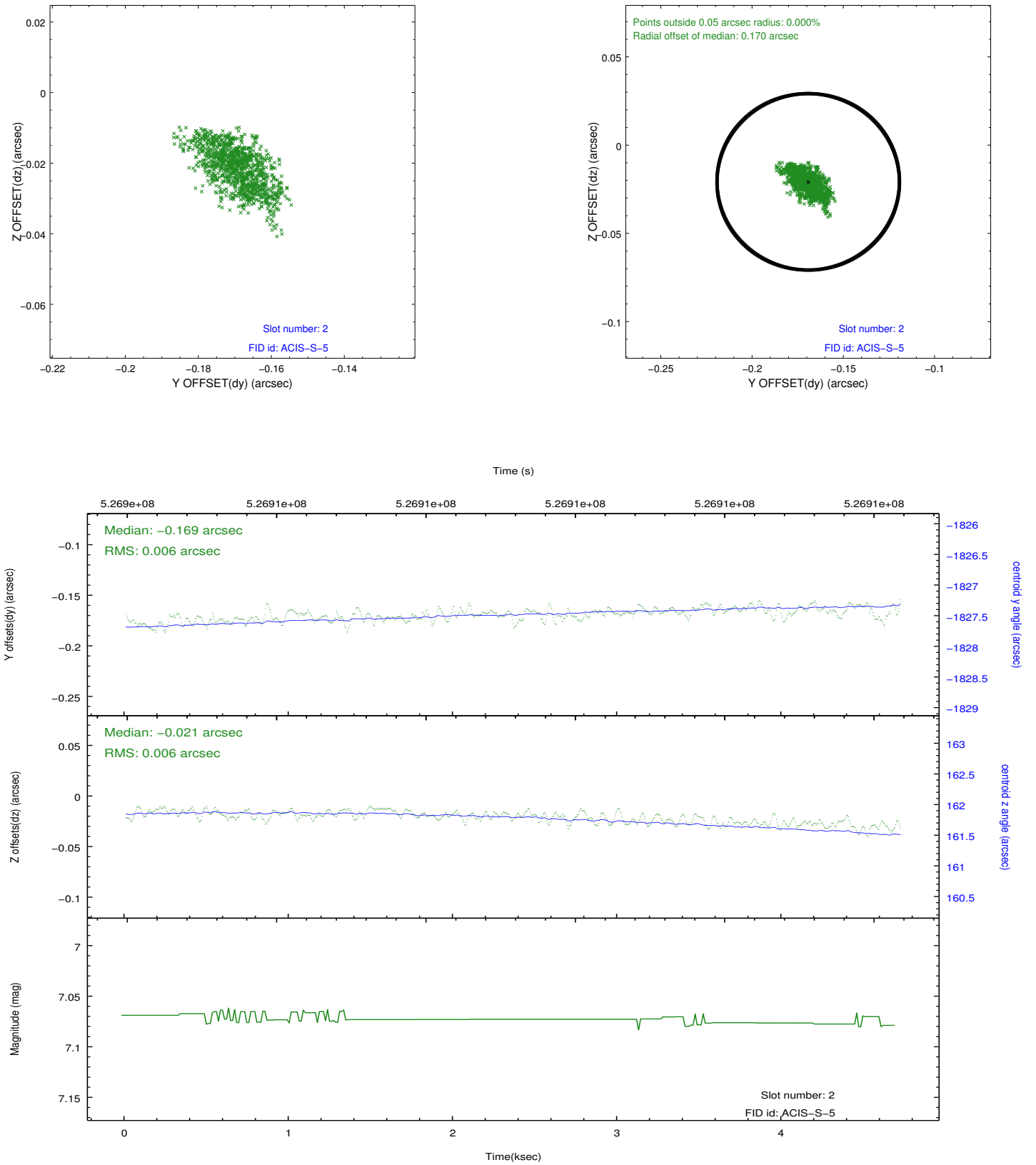
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2014.09.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.0269000309706

A.2 Comments

This observation was interrupted by safing of the science instruments onboard Chandra due to high solar radiation environment. The observation was interrupted at 2014:255:11:51:18z. Due to a high radiation environment, the instruments were safed and the observation terminated early.