

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 5648 - L2 Version 2
Chandra X-Ray Center

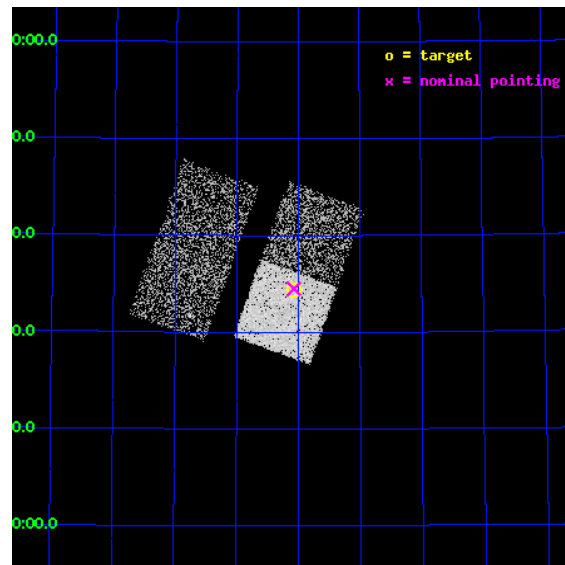
L2 Processing Date : Mar 28 2012

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1 Front

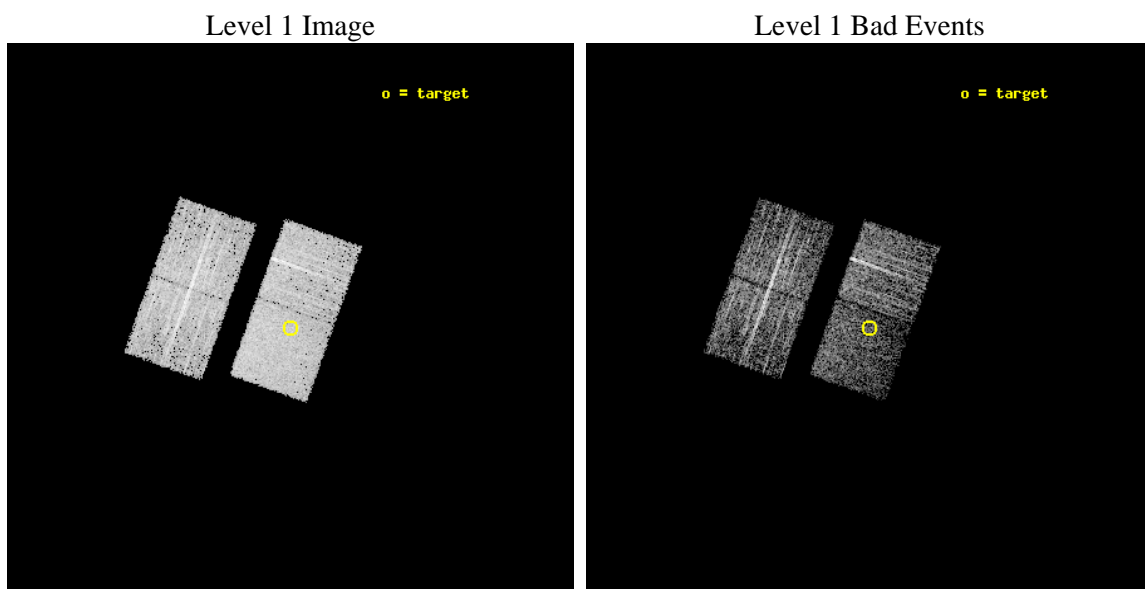
seq_num	701071	Sequence number
obs_id	5648	Observation id
title	The Spectral Energy Distribution and Fe II Emission in Intermediate-Redshift Narrow-line Seyfert 1 Galaxies	Proposal title
observer	Dr. Karen Leighly	Principal investigator
object	SDSS J171603.79+643422.8	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	259.015833	Observer's specified target RA [deg]
dec_targ	64.573	Observer's specified target Dec [deg]
ra_nom	259.01840706984	Nominal RA [deg]
dec_nom	64.574857762605	Nominal Dec [deg]
roll_nom	109.73165720221	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3447.0017831922	Sum of GTIs [s]
livetime	3401.964167249	Livetime [s]
ontime2	3446.8786631823	Sum of GTIs [s]
ontime3	3446.9197031856	Sum of GTIs [s]
ontime6	3446.9607431889	Sum of GTIs [s]
ontime7	3447.0017831922	Sum of GTIs [s]
l2events	18664	Number of level 2 events



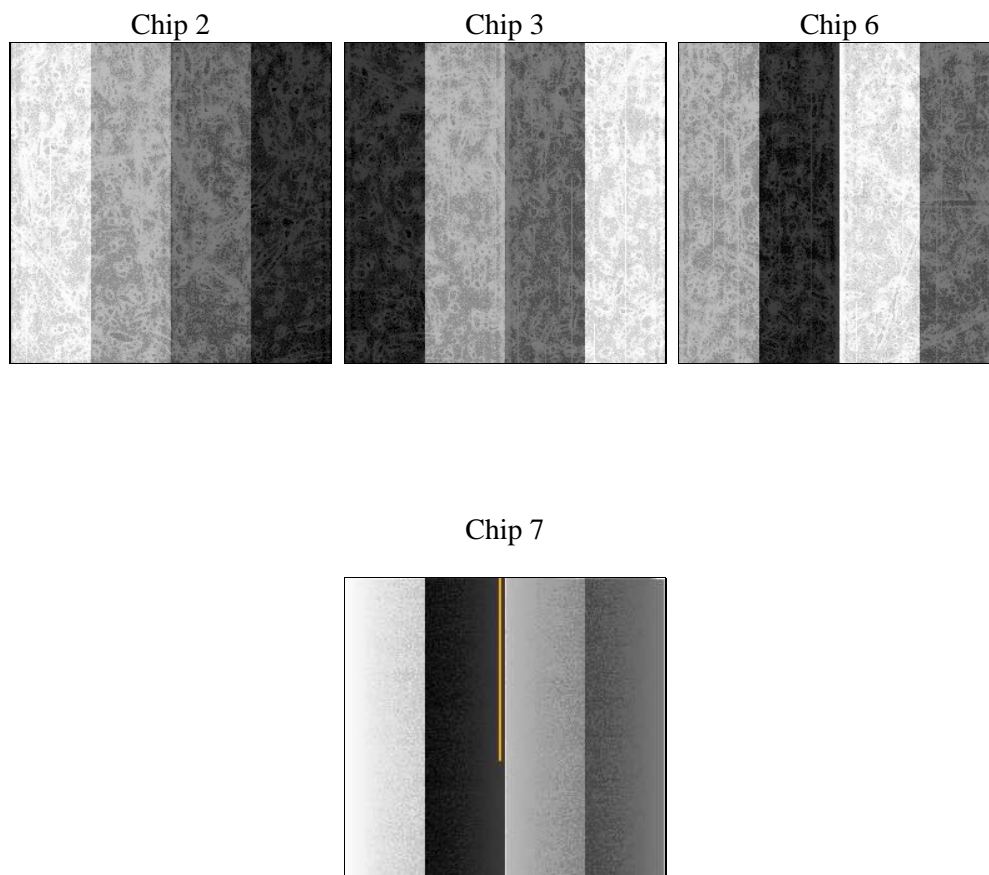
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	3400.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	3447.0017831922	Sum of GTIs [s]
caldsver	4.4.8	 	ontime2	3446.8786631823	Sum of GTIs [s]
date	2012-03-28T23:53:13	Date and time of file creation	ontime3	3446.9197031856	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	3446.9607431889	Sum of GTIs [s]
			ontime7	3447.0017831922	Sum of GTIs [s]
			l1events	106276	Number of level 1 events

2.1.4 Events

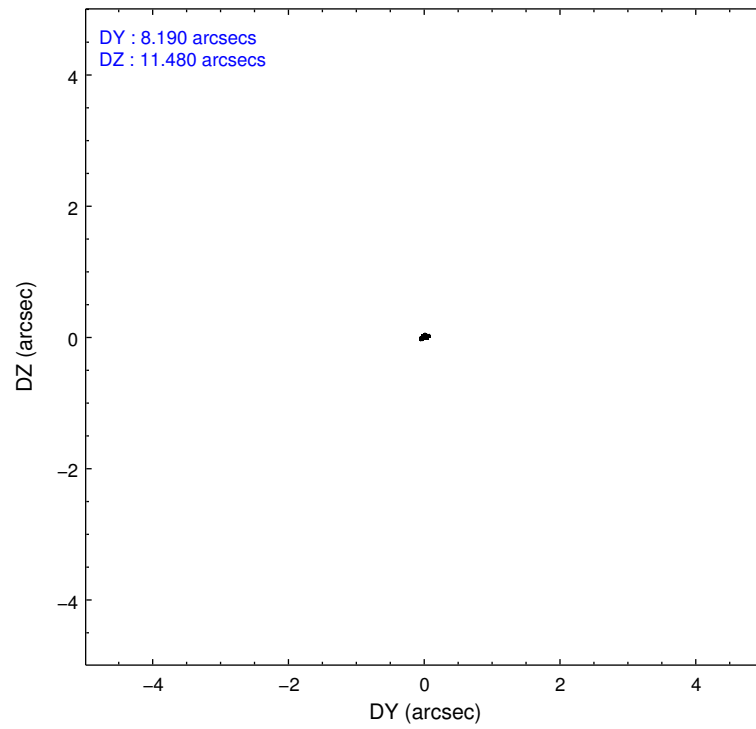
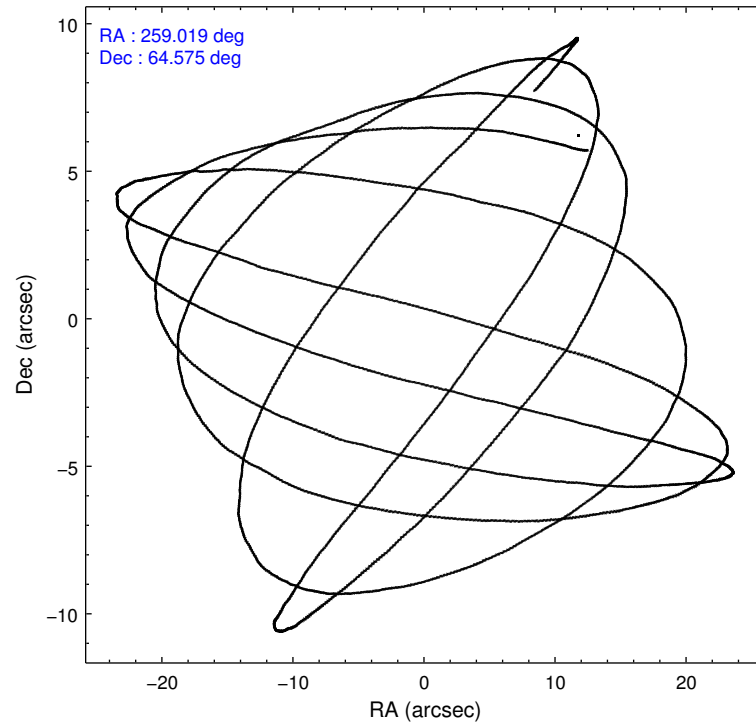
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	25925	25569	26754	28028
rejected events	23541	23237	24145	15224
rejected %	90%	90%	90%	54%

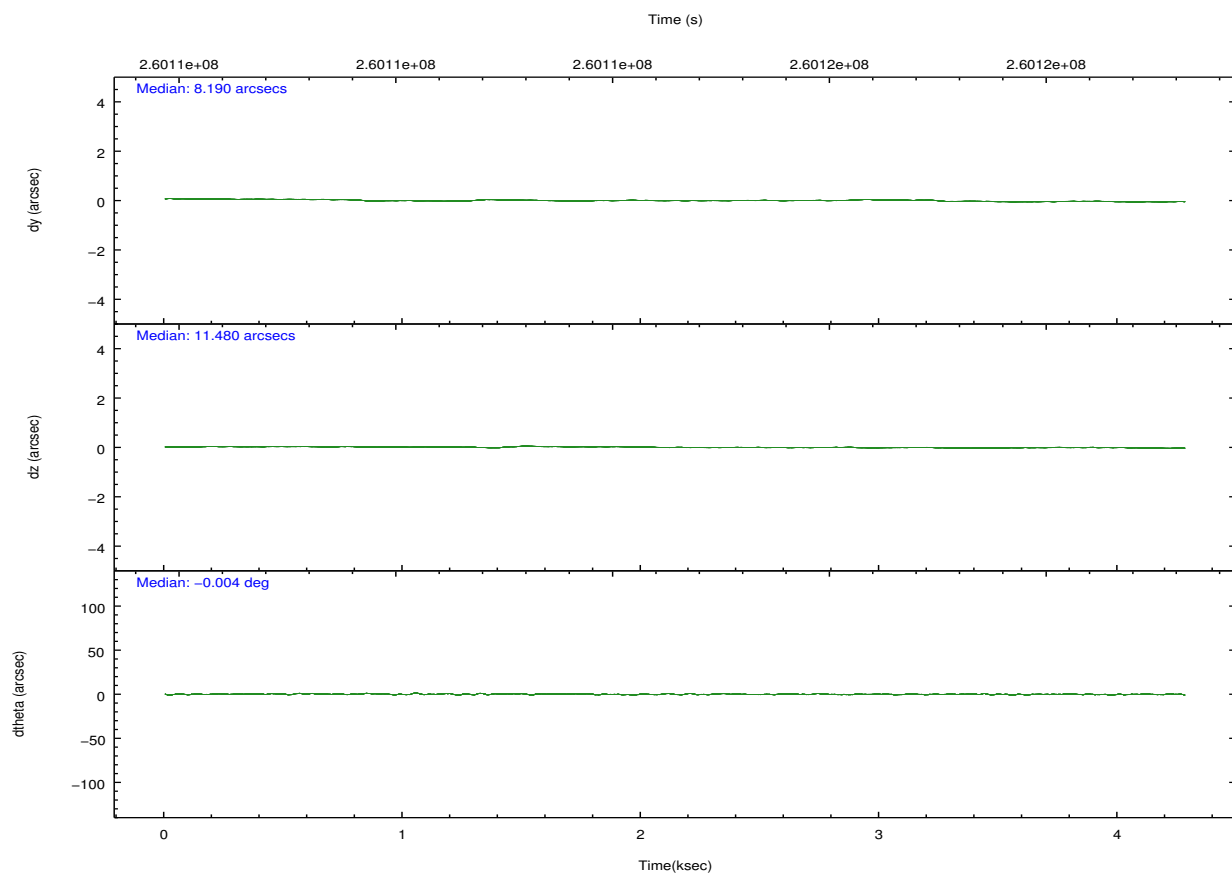
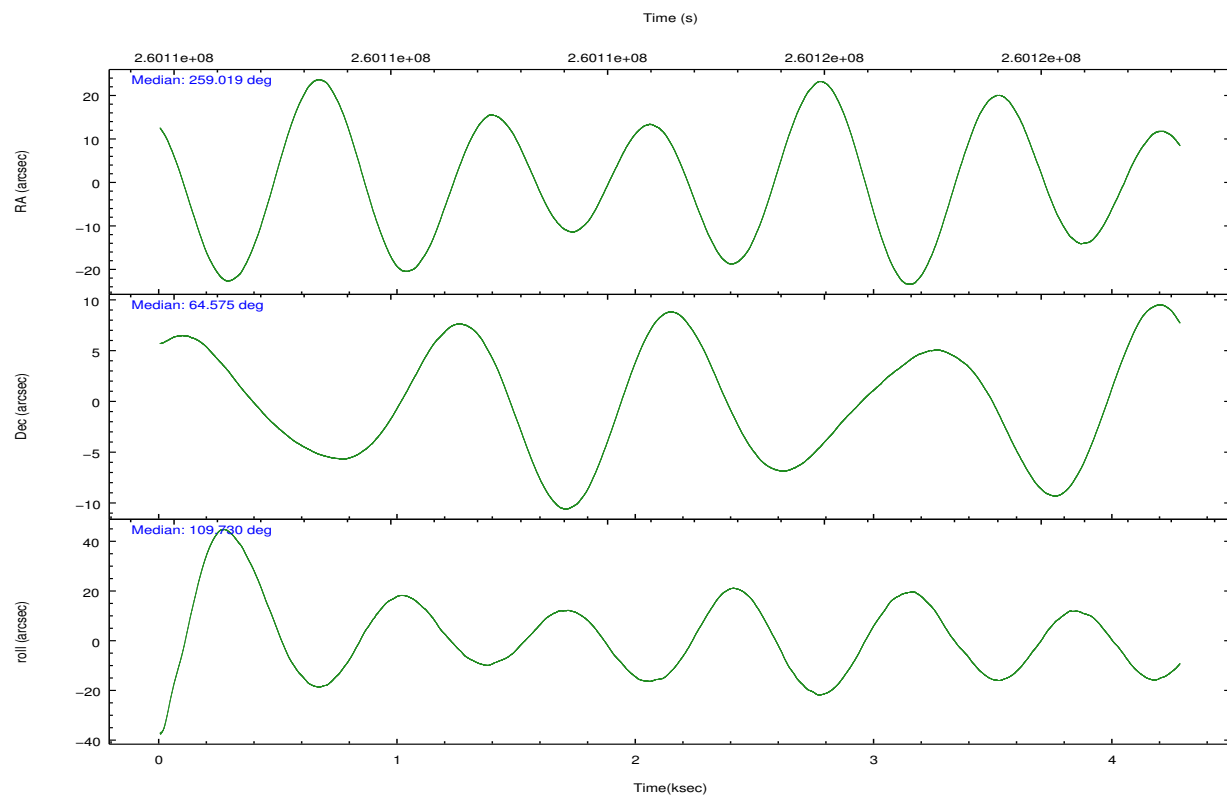
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	869	829	918	1118
	3%	3%	3%	3%
grade 1 events	11	8	10	28
	0%	0%	0%	0%
grade 2 events	578	486	592	2641
	2%	1%	2%	9%
grade 3 events	292	279	305	1199
	1%	1%	1%	4%
grade 4 events	236	280	258	1160
	0%	1%	0%	4%
grade 5 events	814	1061	1049	3042
	3%	4%	3%	10%
grade 6 events	417	461	538	6706
	1%	1%	2%	23%
grade 7 events	22708	22165	23084	12134
	87%	86%	86%	43%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	259.067436	259.0184070698433	Subarray requested	NONE	NONE
[deg] Pointing Dec	64.557400	64.57485776260485	Alternating exposures requested	N	N
[deg] Pointing Roll	109.530762	109.731657202207	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	260113029.184000	260111812.13373			
Observation start date	2006-03-30T13:36:04	2006-03-30T13:16:52			
[s] Observation end time (MET)	260116429.184000	260117151.35898			
Observation end date	2006-03-30T14:32:44	2006-03-30T14:45:51			
Read mode	TIMED	TIMED			

2.3 Aspect



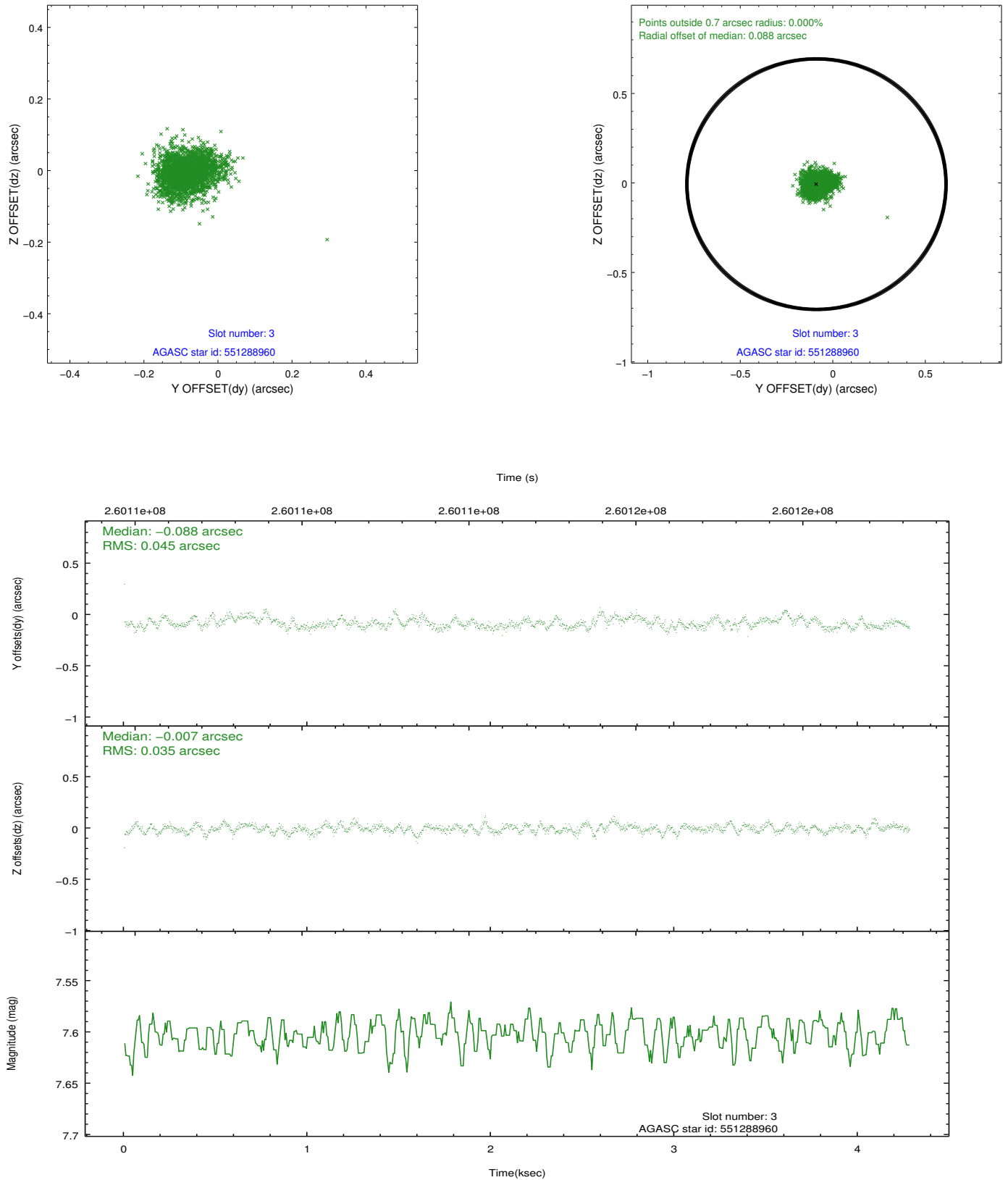


Slot Statistics

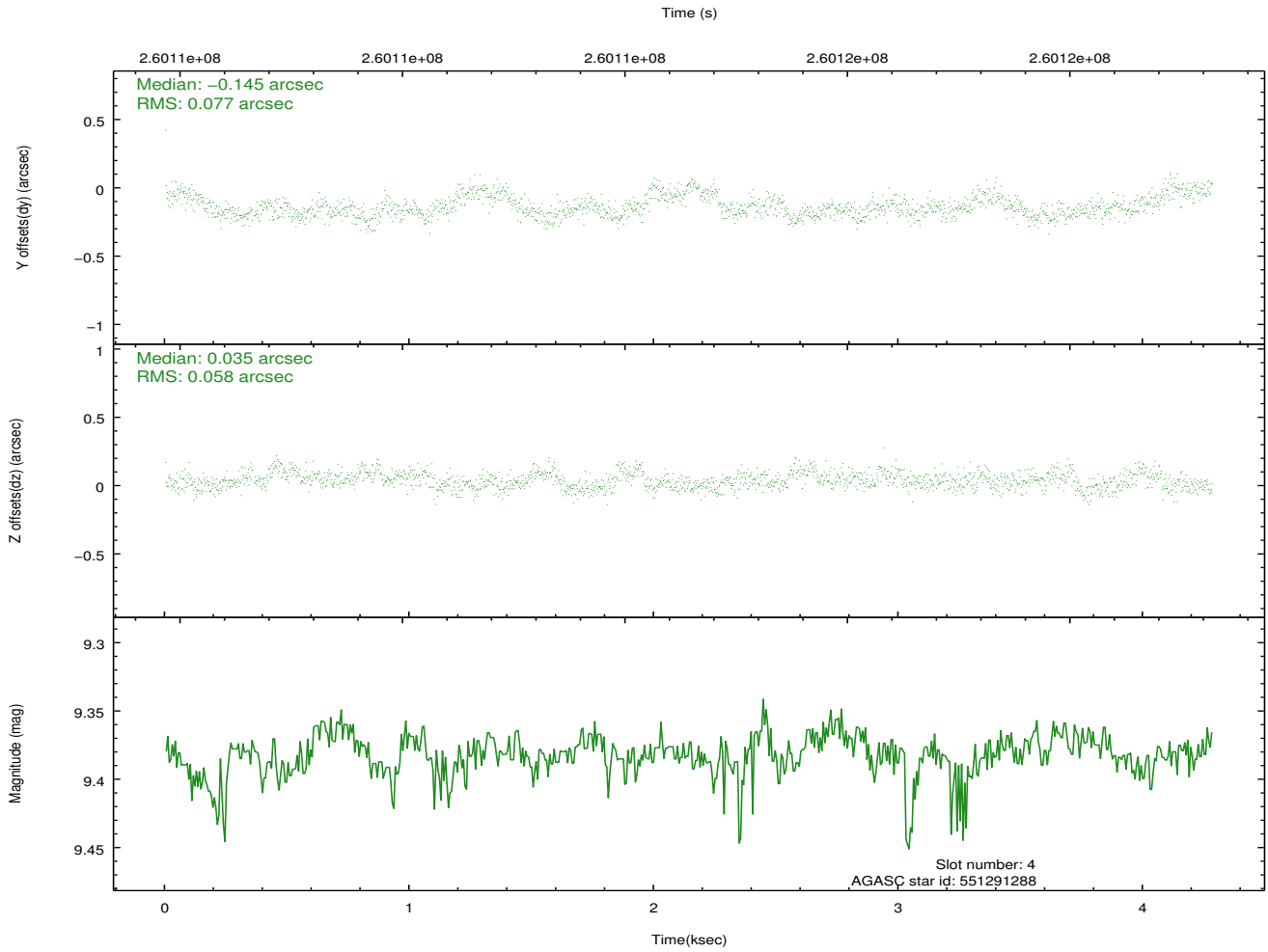
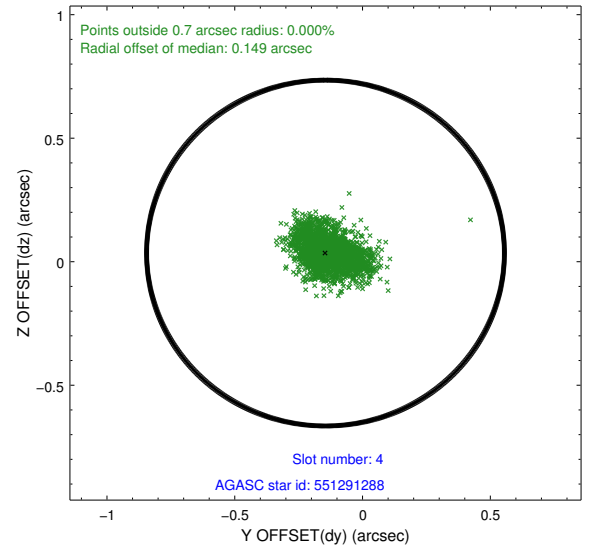
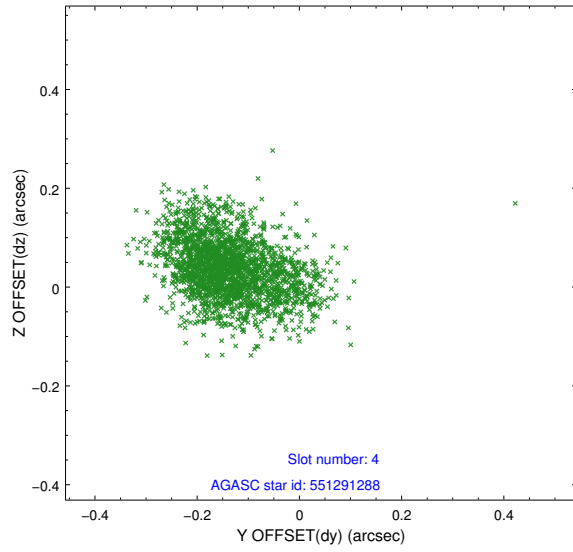
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1043	-0.069	-0.051	0.005	0.010	0.000000	0.000000	-761.04	-1732.82
1	FID	ACIS-S-4	7.20	1044	0.086	0.024	0.006	0.010	0.000000	0.000000	2151.73	174.24
2	FID	ACIS-S-6	7.35	1044	-0.044	0.035	0.007	0.011	0.000000	0.000000	402.82	813.29
3	GUIDE	551288960	7.60	2089	-0.088	-0.007	0.060	0.099	259.407558	64.033161	-1956.69	125.31
4	GUIDE	551291288	9.38	2079	-0.145	0.035	0.102	0.170	259.078054	64.773988	728.02	-275.67
5	GUIDE	551295424	8.95	2089	0.367	-0.084	0.075	0.121	258.816851	64.438065	-273.66	510.22
6	GUIDE	551298432	8.47	2089	-0.038	0.034	0.064	0.104	259.325450	64.084337	-1740.55	186.92
7	GUIDE	551298832	9.19	2087	-0.105	0.022	0.117	0.187	257.988540	64.420962	109.80	1740.16

2.4 Star Slots

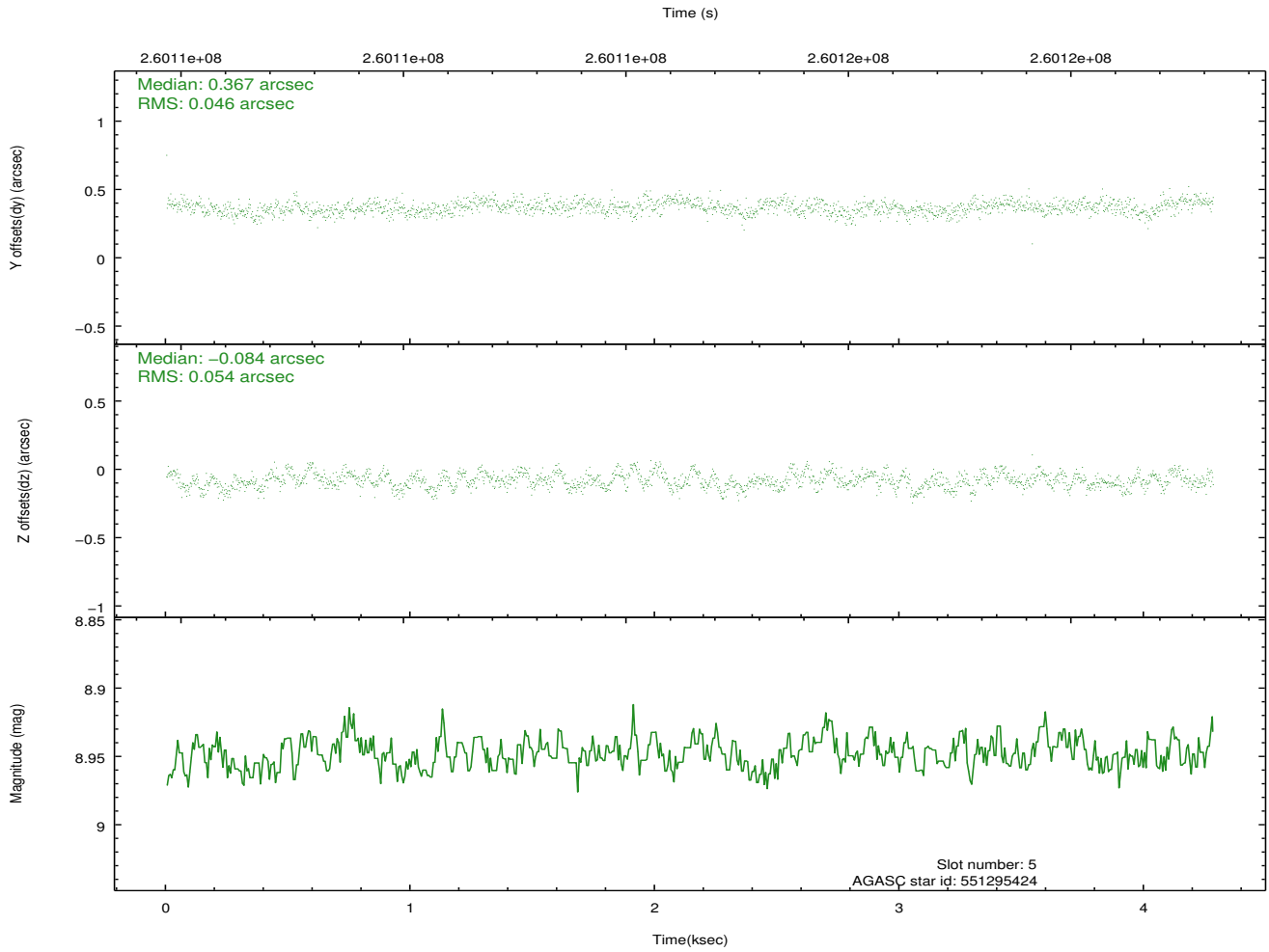
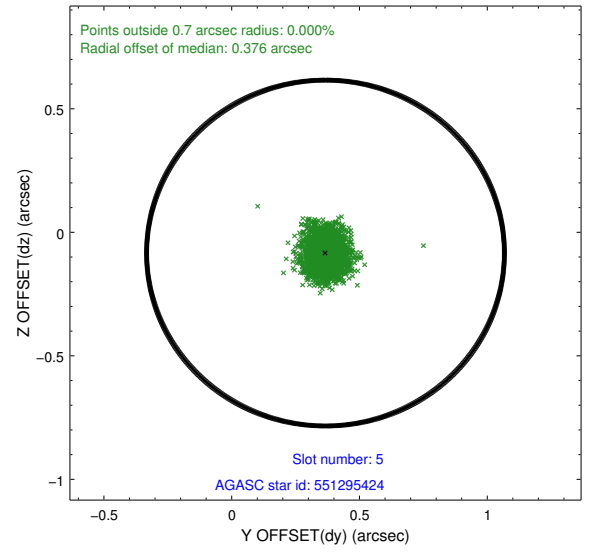
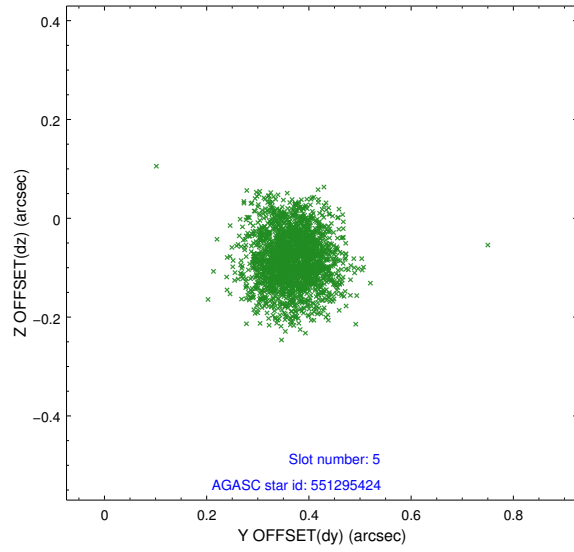
2.4.1 Slot 3



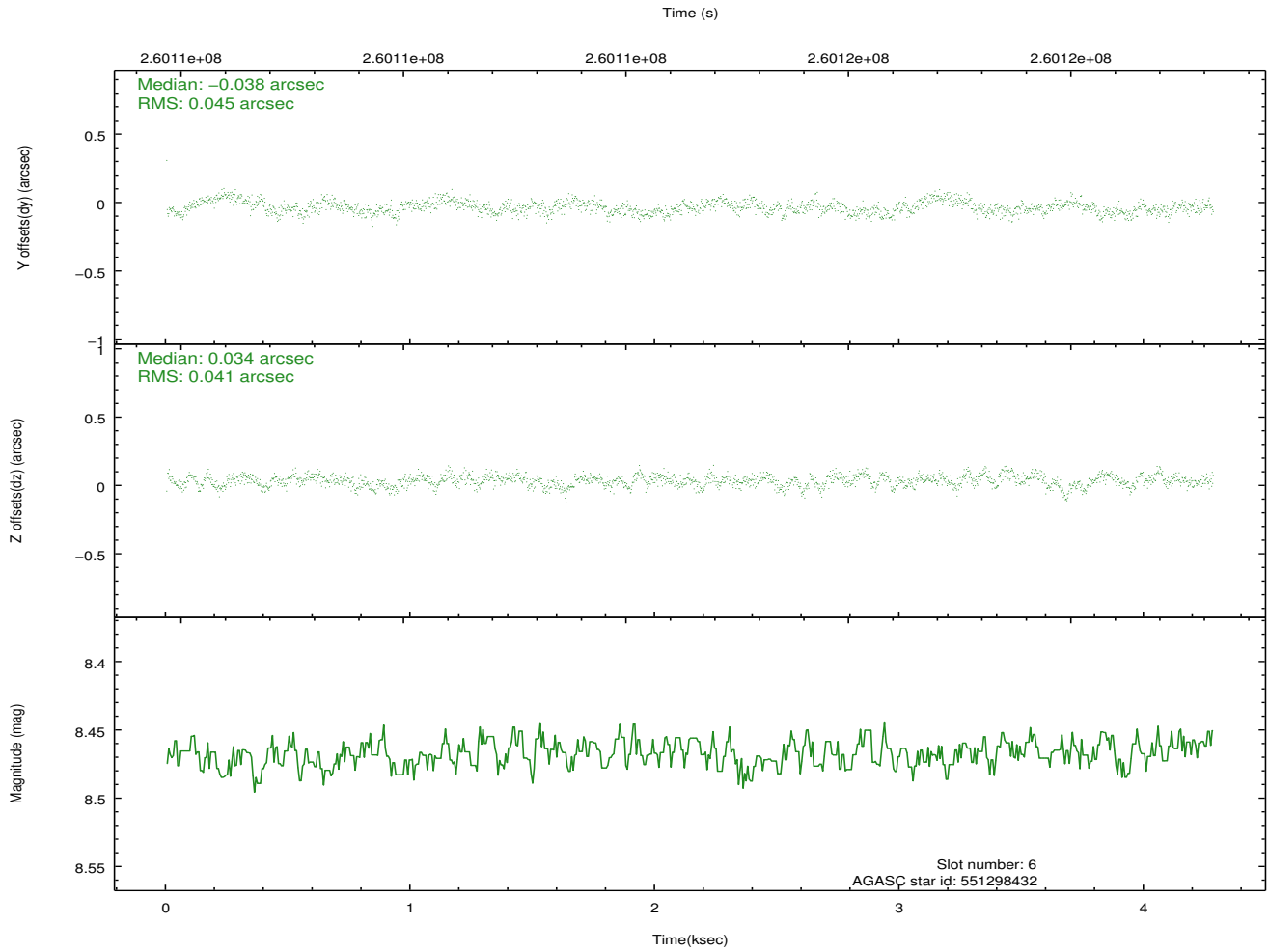
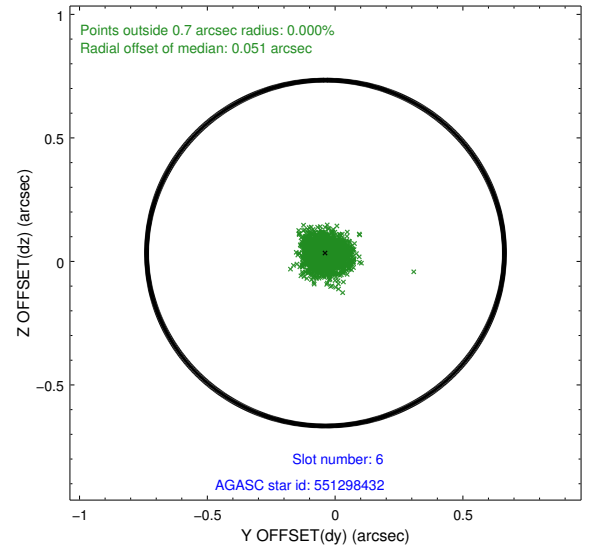
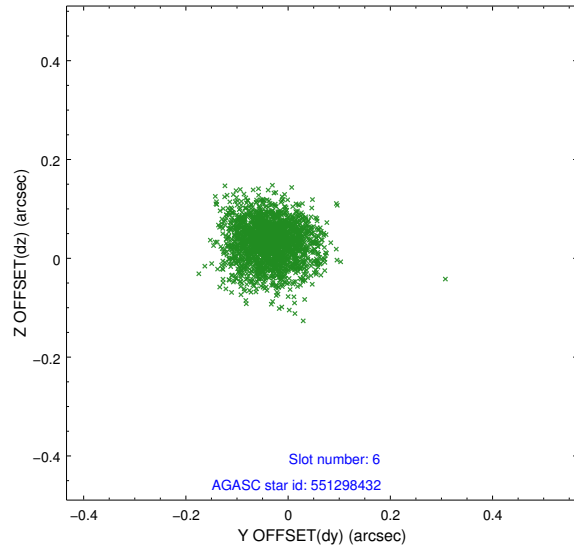
2.4.2 Slot 4



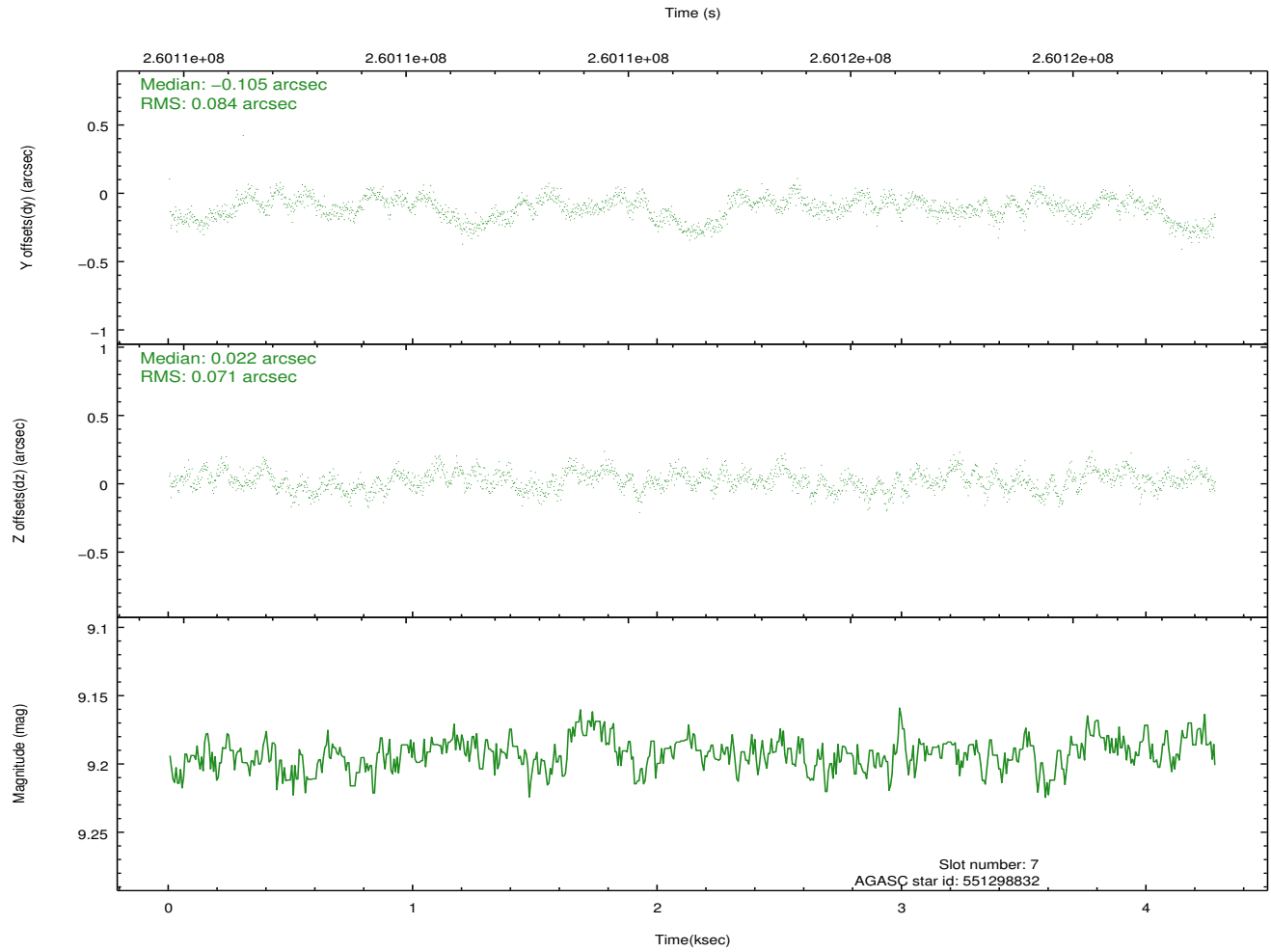
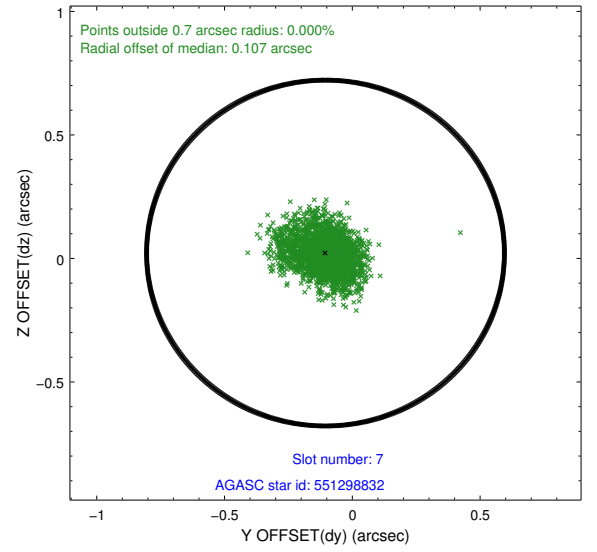
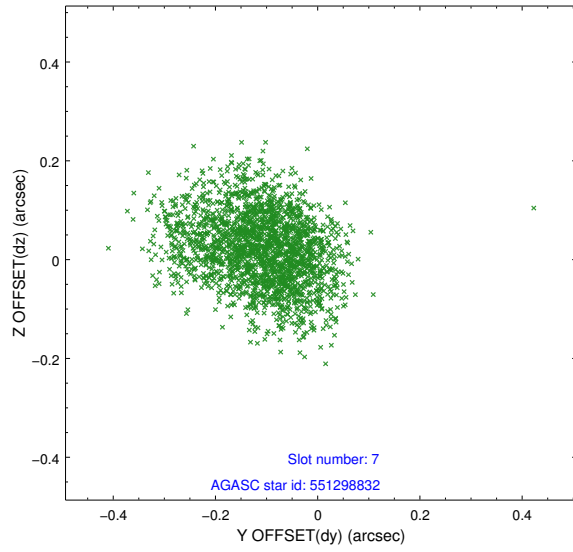
2.4.3 Slot 5



2.4.4 Slot 6

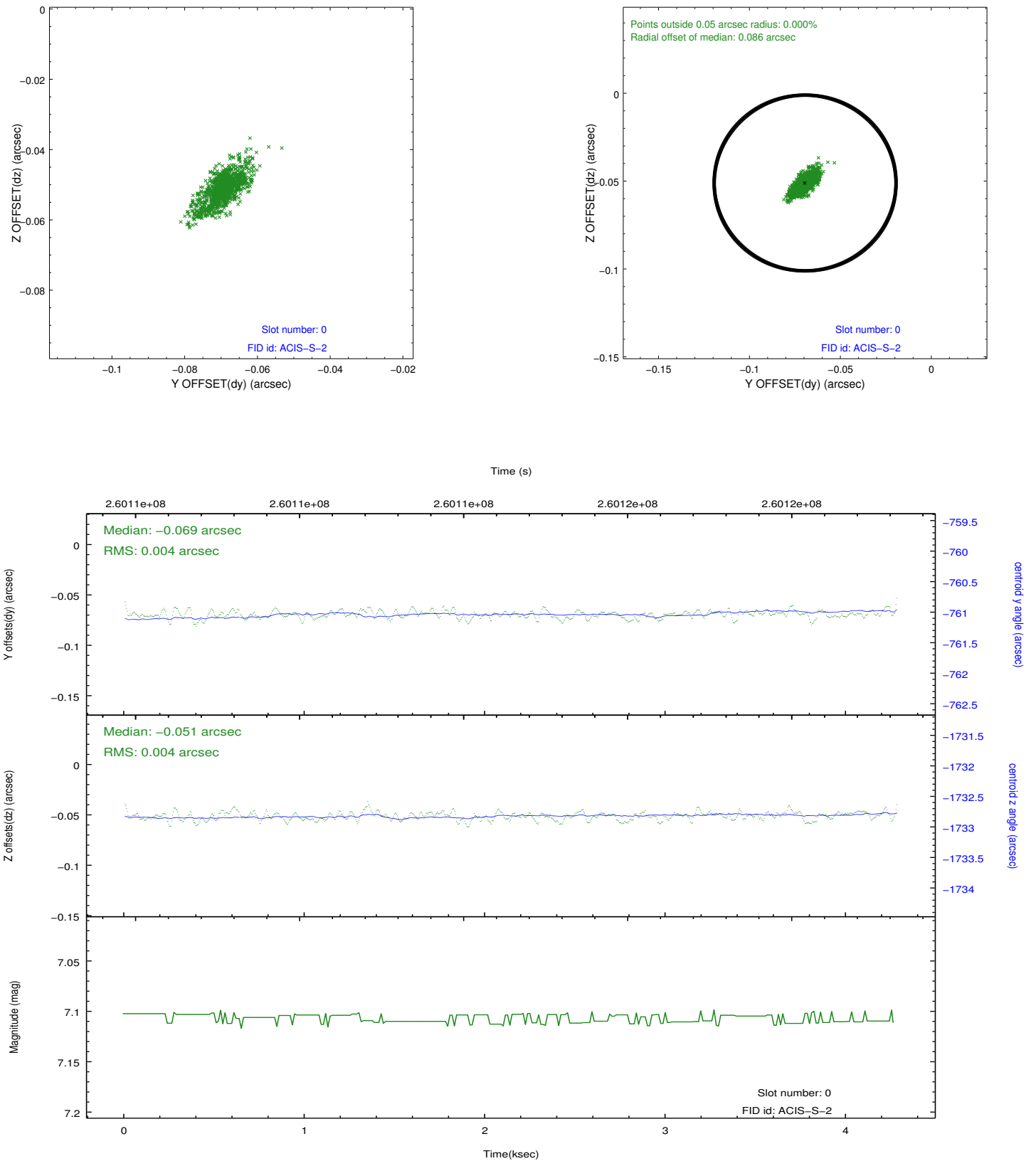


2.4.5 Slot 7

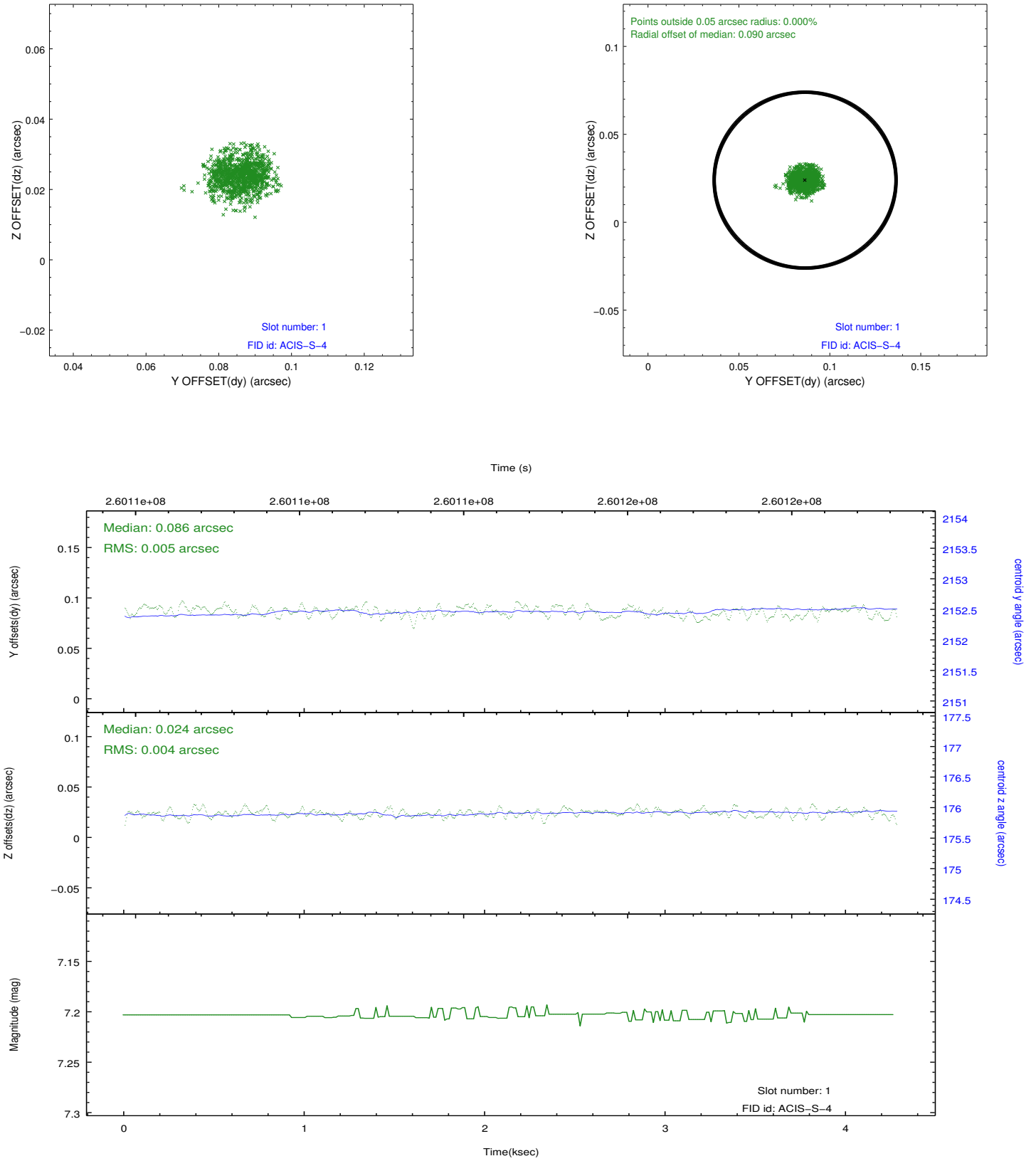


2.5 FID Slots

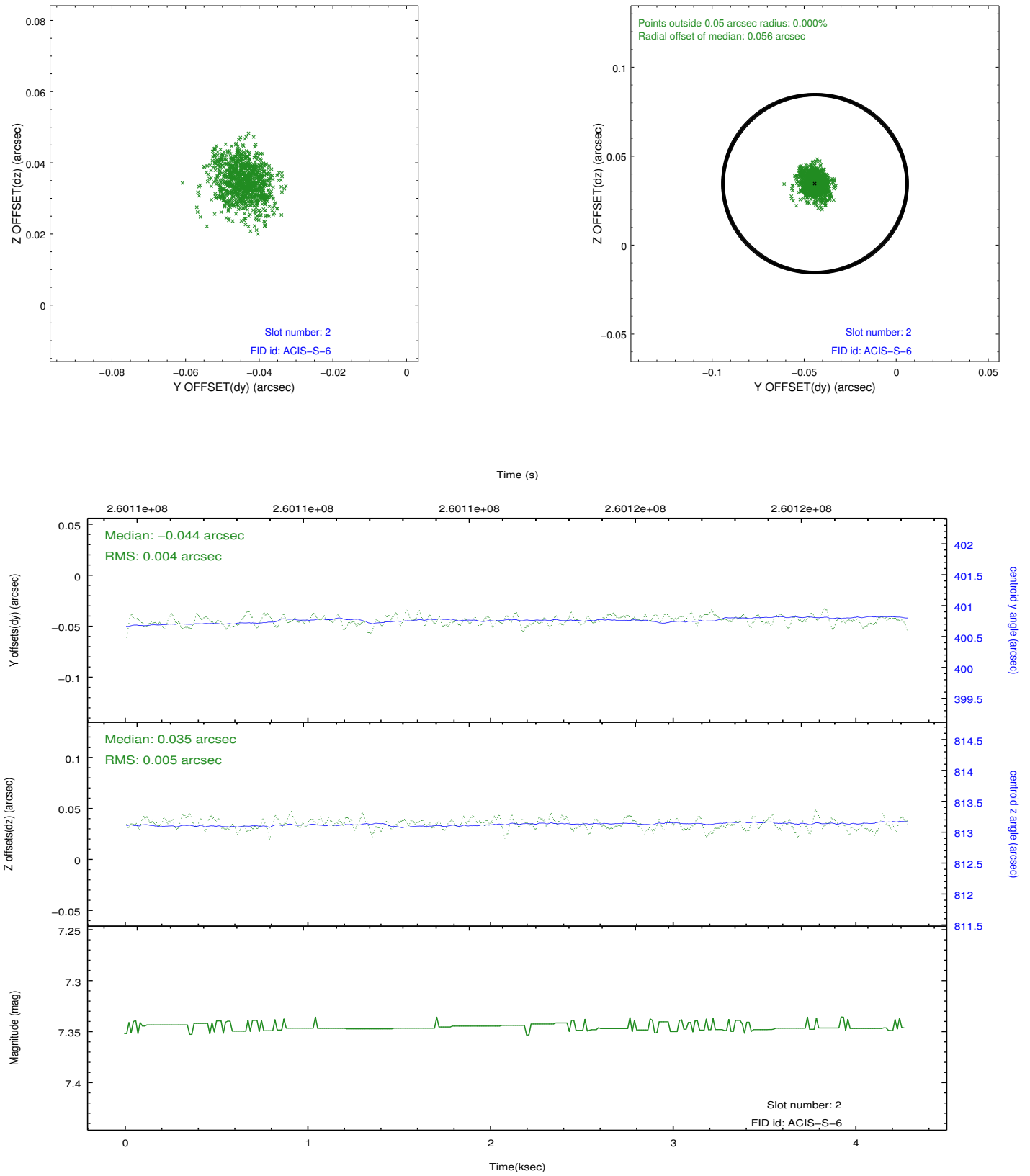
2.5.1 Slot 0



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)	2012.03.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.44719999

A.2 Comments