

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7771 - L2 Version 2
Chandra X-Ray Center

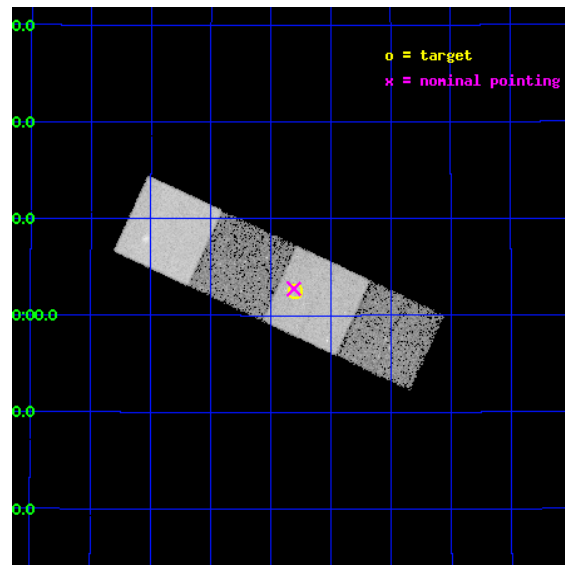
L2 Processing Date : May 5 2012

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1 Front

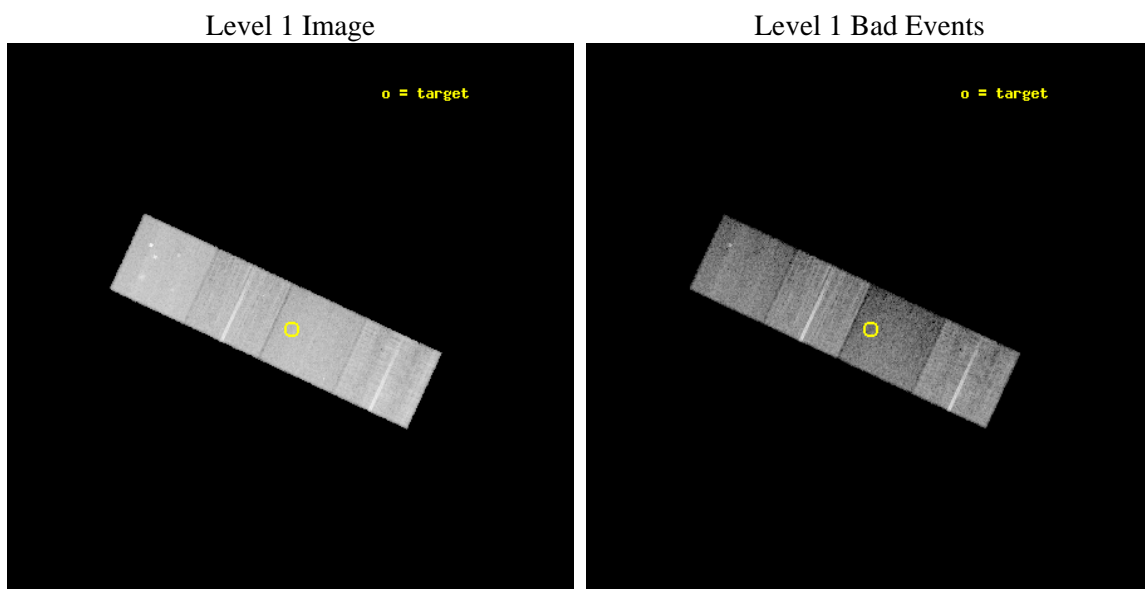
seq_num	701439	Sequence number
obs_id	7771	Observation id
title	Are Compton-thick quasars hidden among the population of heavily obscured Spitzer-selected AGN?	Proposal title
observer	Dr Cristian Vignali	Principal investigator
object	SST24 J143447.70+330230.6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	218.69875	Observer's specified target RA [deg]
dec_targ	33.041833	Observer's specified target Dec [deg]
ra_nom	218.70194893645	Nominal RA [deg]
dec_nom	33.0458781911	Nominal Dec [deg]
roll_nom	24.907307886346	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15043.056623161	Sum of GTIs [s]
livetime	14846.508013842	Livetime [s]
ontime5	15043.015583158	Sum of GTIs [s]
ontime6	15036.692652404	Sum of GTIs [s]
ontime7	15043.056623161	Sum of GTIs [s]
ontime8	15036.651692152	Sum of GTIs [s]
l2events	141418	Number of level 2 events



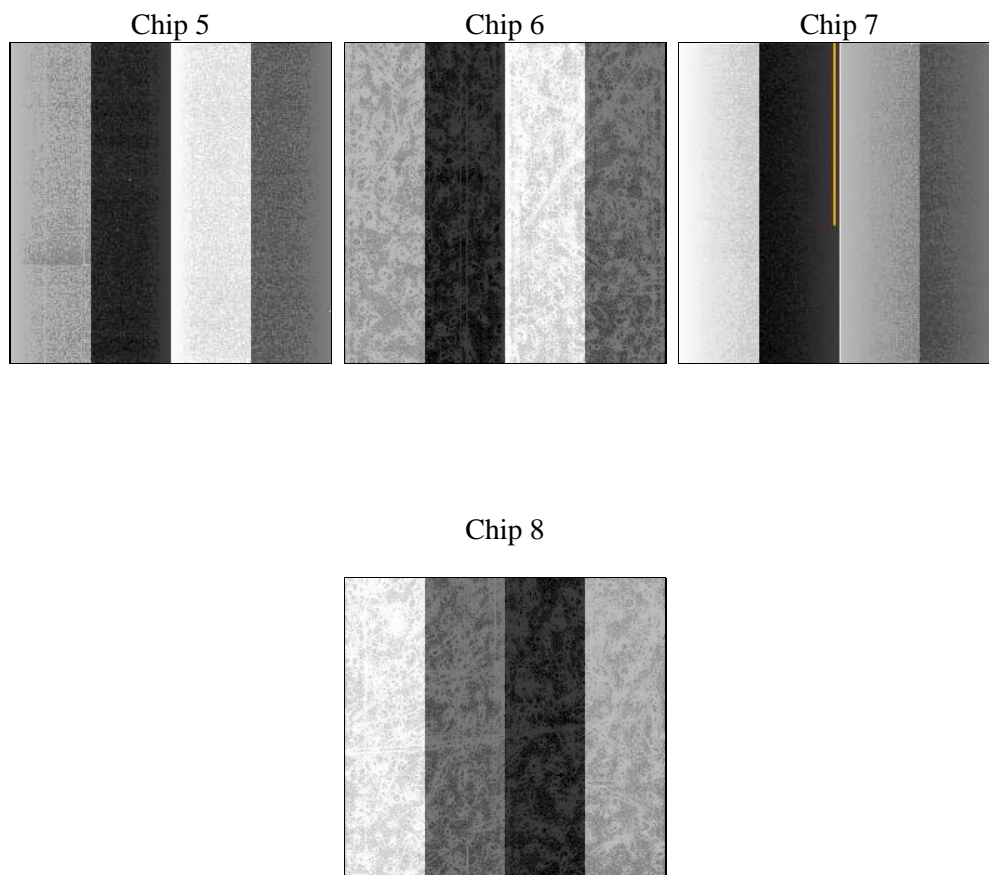
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	15043.056623161	Sum of GTIs [s]
caldsver	4.4.9	 	ontime5	15043.015583158	Sum of GTIs [s]
date	2012-05-05T05:28:59	Date and time of file creation	ontime6	15036.692652404	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	15043.056623161	Sum of GTIs [s]
			ontime8	15036.651692152	Sum of GTIs [s]
			l1events	493151	Number of level 1 events

2.1.4 Events

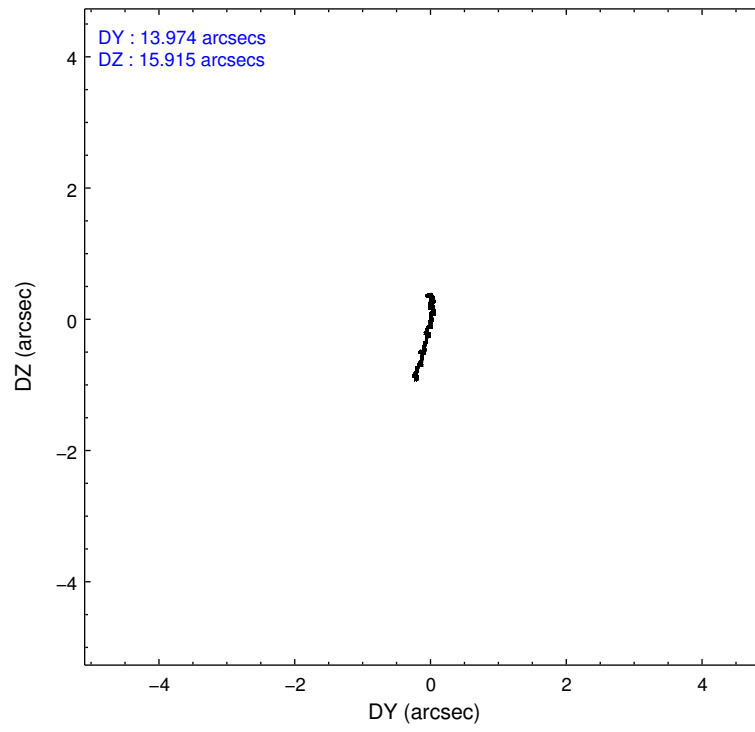
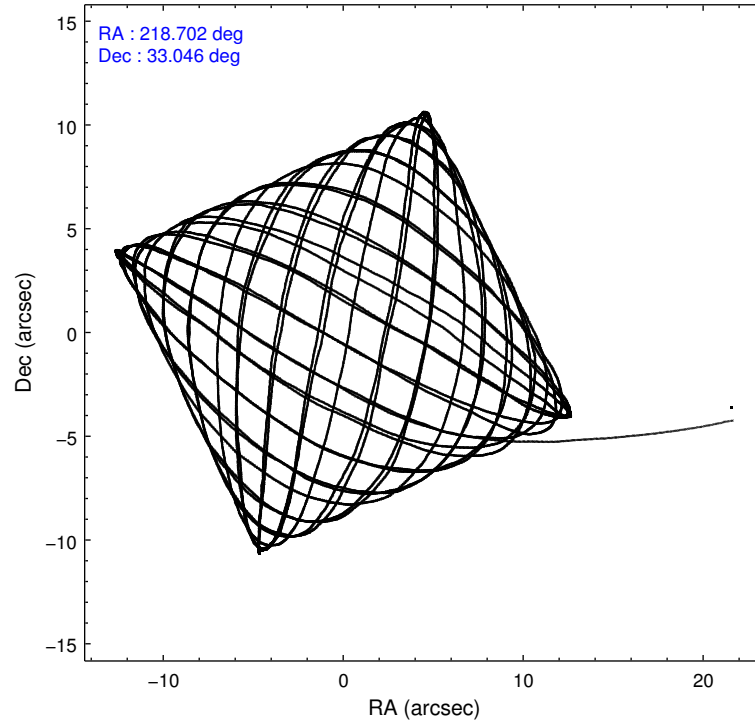
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	138780	110964	106953	136454
rejected events	65247	99260	54356	102173
rejected %	47%	89%	50%	74%

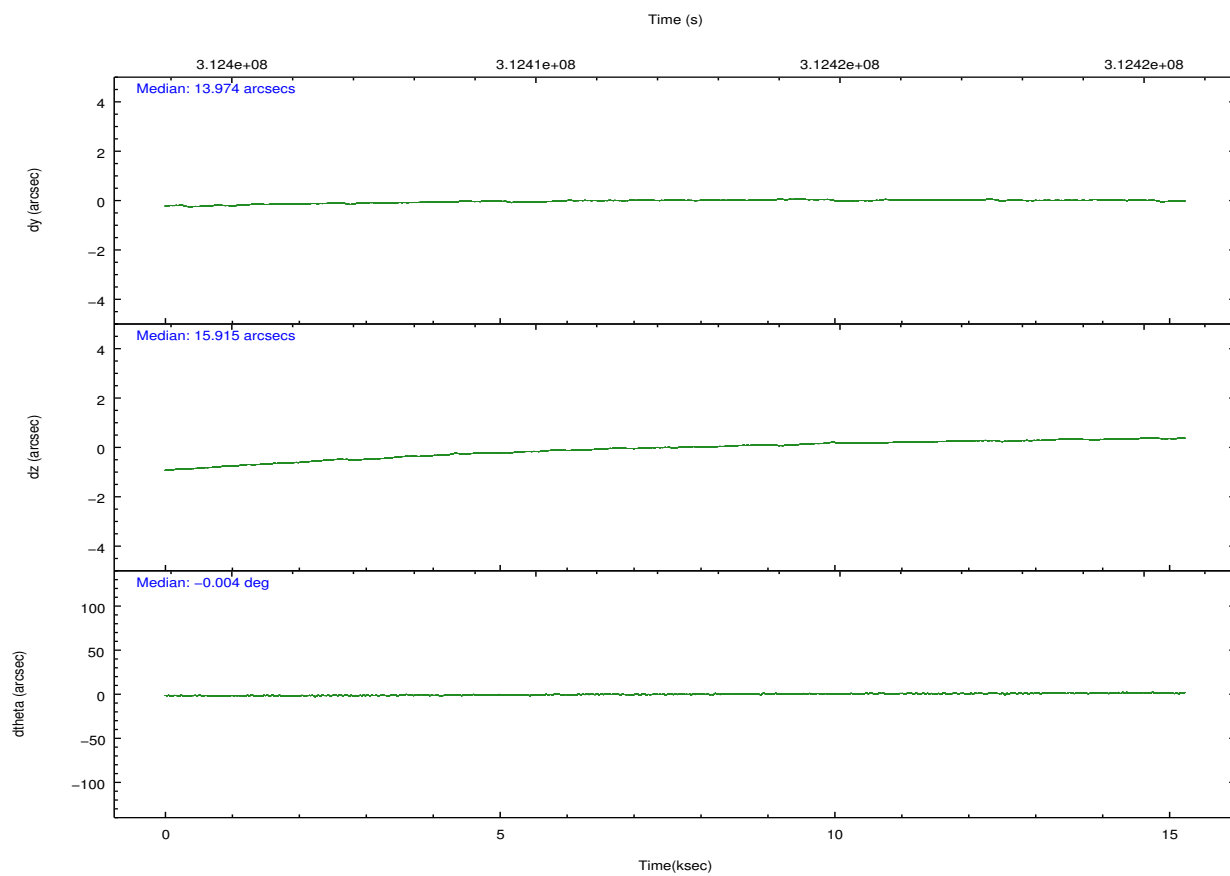
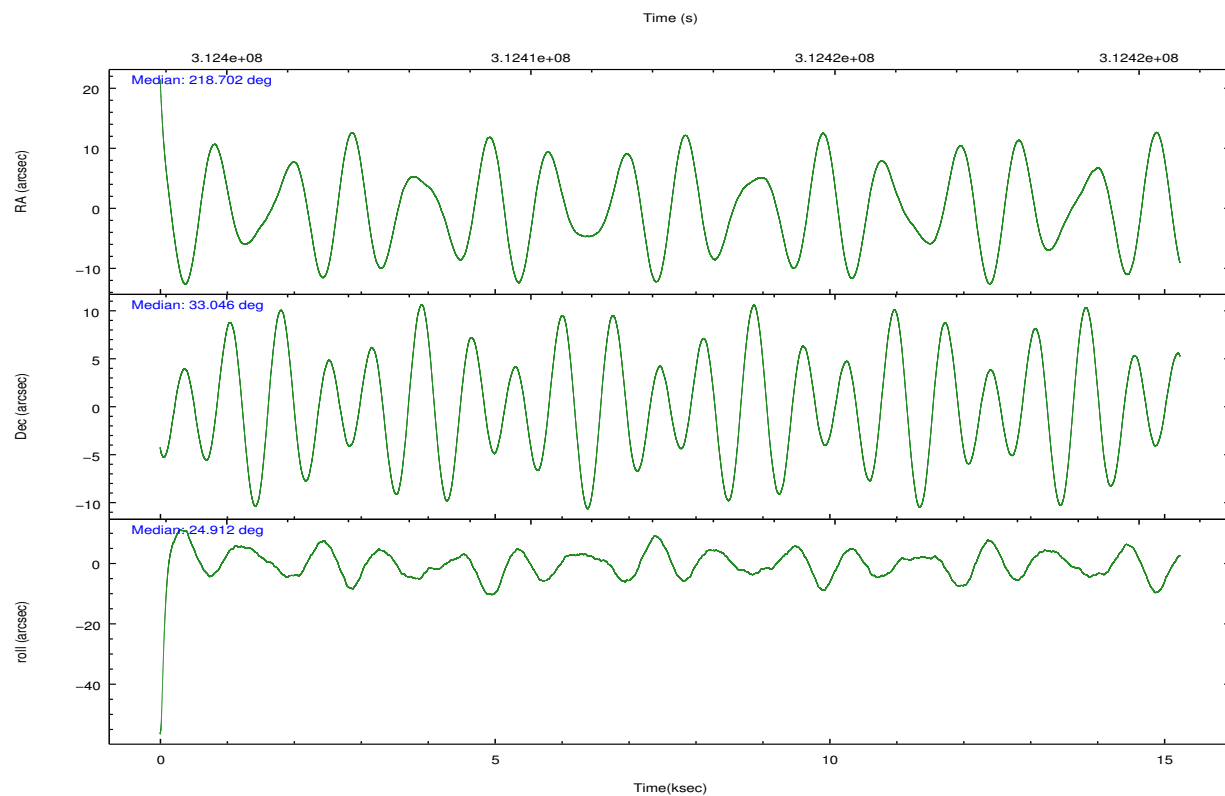
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	7057	4329	5493	9362
	5%	3%	5%	6%
grade 1 events	293	58	168	111
	0%	0%	0%	0%
grade 2 events	22771	2590	11276	8166
	16%	2%	10%	5%
grade 3 events	3451	1236	4970	3589
	2%	1%	4%	2%
grade 4 events	3109	1310	4850	3383
	2%	1%	4%	2%
grade 5 events	11313	3777	11690	5786
	8%	3%	10%	4%
grade 6 events	37191	2246	26032	9792
	26%	2%	24%	7%
grade 7 events	53595	95418	42474	96265
	38%	85%	39%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	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	218.683551	218.7019489364542	Subarray requested	NONE	NONE
[deg] Pointing Dec	33.023294	33.04587819110033	Alternating exposures requested	N	N
[deg] Pointing Roll	24.760752	24.9073078863457	[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)	312404900.184000	312404007.96409			
Observation start date	2007-11-25T19:07:15	2007-11-25T18:53:27			
[s] Observation end time (MET)	312419900.184000	312420407.96488			
Observation end date	2007-11-25T23:17:15	2007-11-25T23:26:47			
Read mode	TIMED	TIMED			

2.3 Aspect



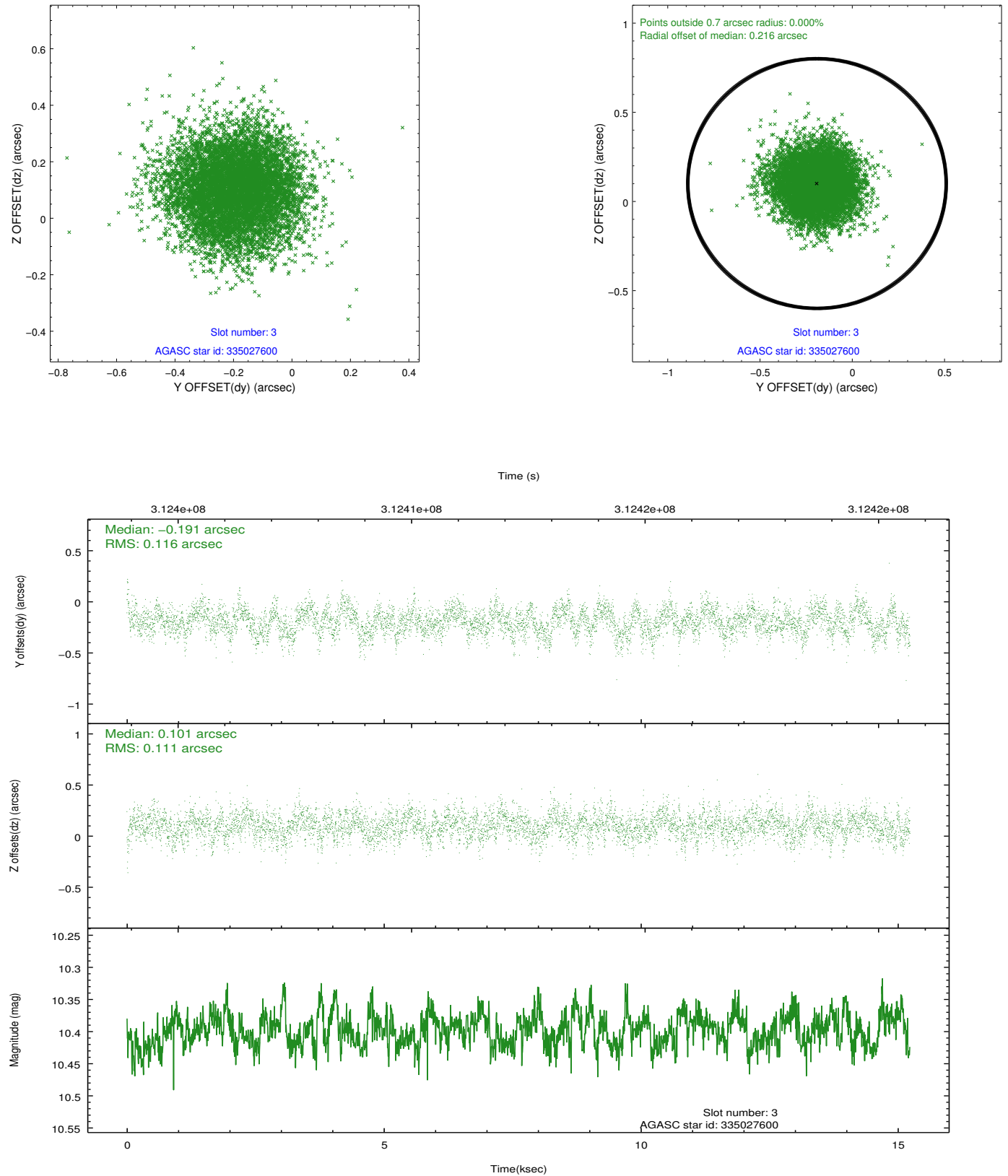


Slot Statistics

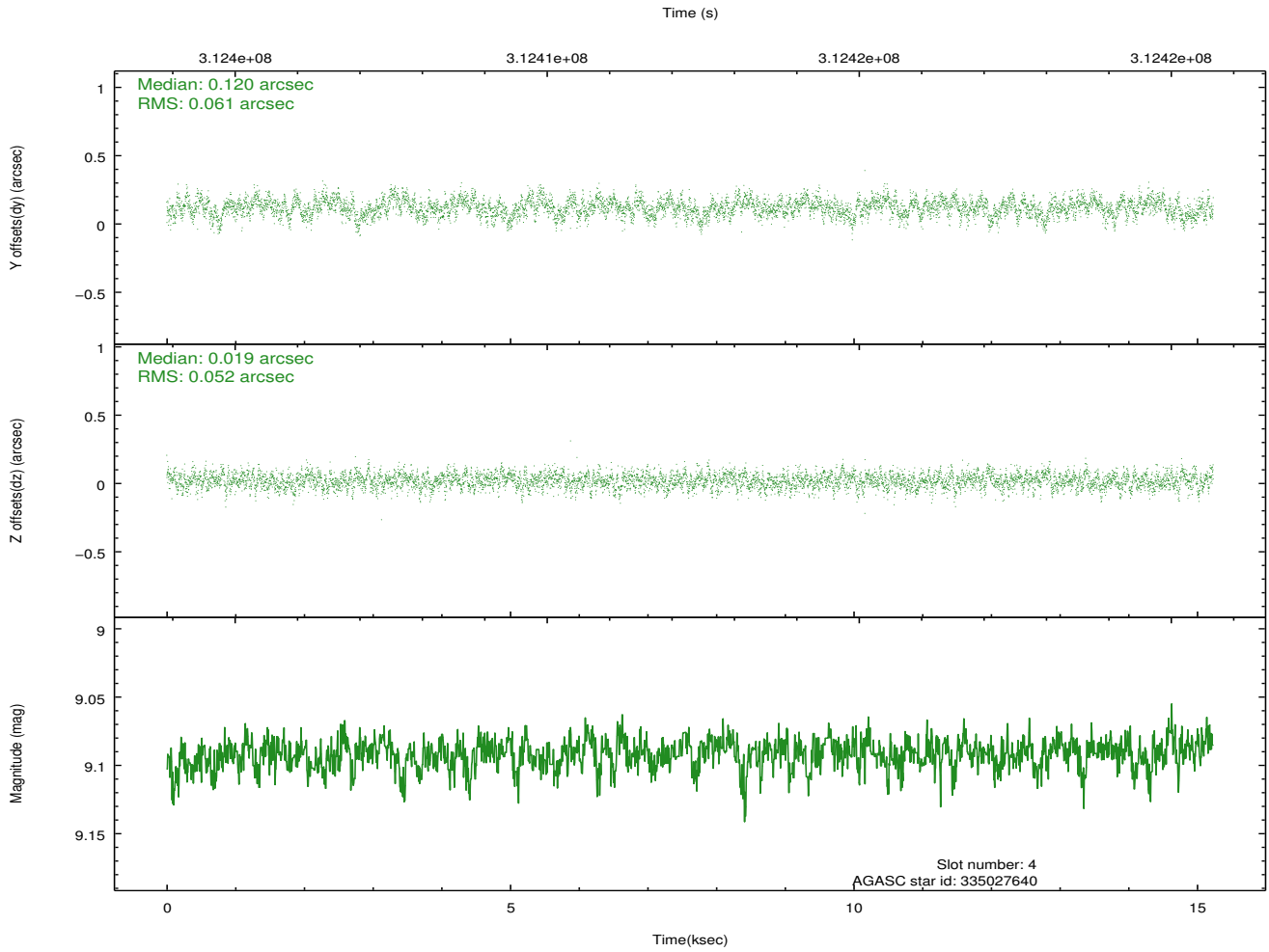
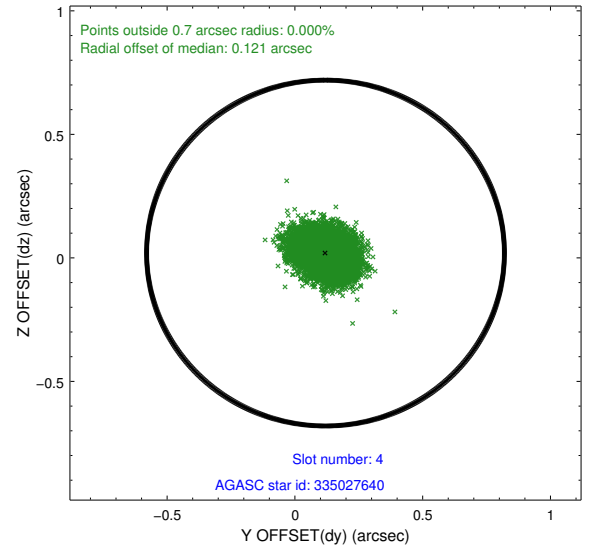
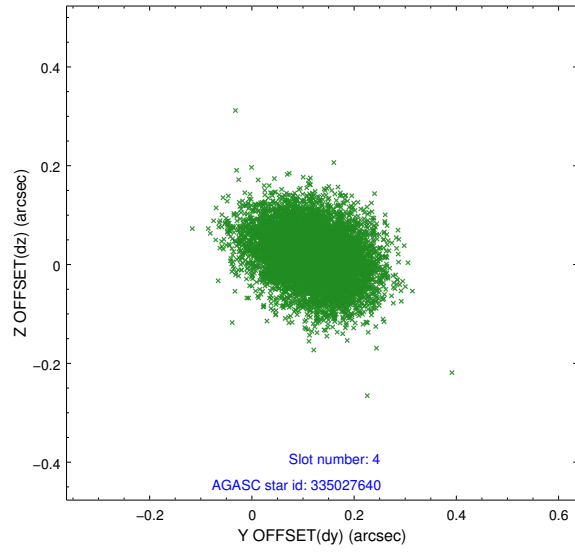
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	3716	-0.061	-0.018	0.008	0.013	0.000000	0.000000	-766.93	-1737.25
1	FID	ACIS-S-4	7.19	3716	0.184	0.035	0.007	0.013	0.000000	0.000000	2146.44	170.99
2	FID	ACIS-S-5	7.22	3715	-0.154	-0.008	0.007	0.012	0.000000	0.000000	-1819.50	164.93
3	GUIDE	335027600	10.40	7411	-0.191	0.101	0.172	0.272	218.618512	33.447101	461.45	1466.97
4	GUIDE	335027640	9.09	7428	0.120	0.019	0.085	0.140	218.092211	33.193770	-1358.41	1308.34
5	GUIDE	335029384	8.48	7429	0.126	-0.013	0.067	0.111	217.848061	33.088477	-2185.89	1277.72
6	GUIDE	335029528	10.36	7417	-0.001	-0.066	0.226	0.346	218.786422	33.290416	683.58	743.48
7	GUIDE	335020984	9.94	7422	-0.035	-0.042	0.148	0.233	218.841668	33.815112	1623.44	2391.87

2.4 Star Slots

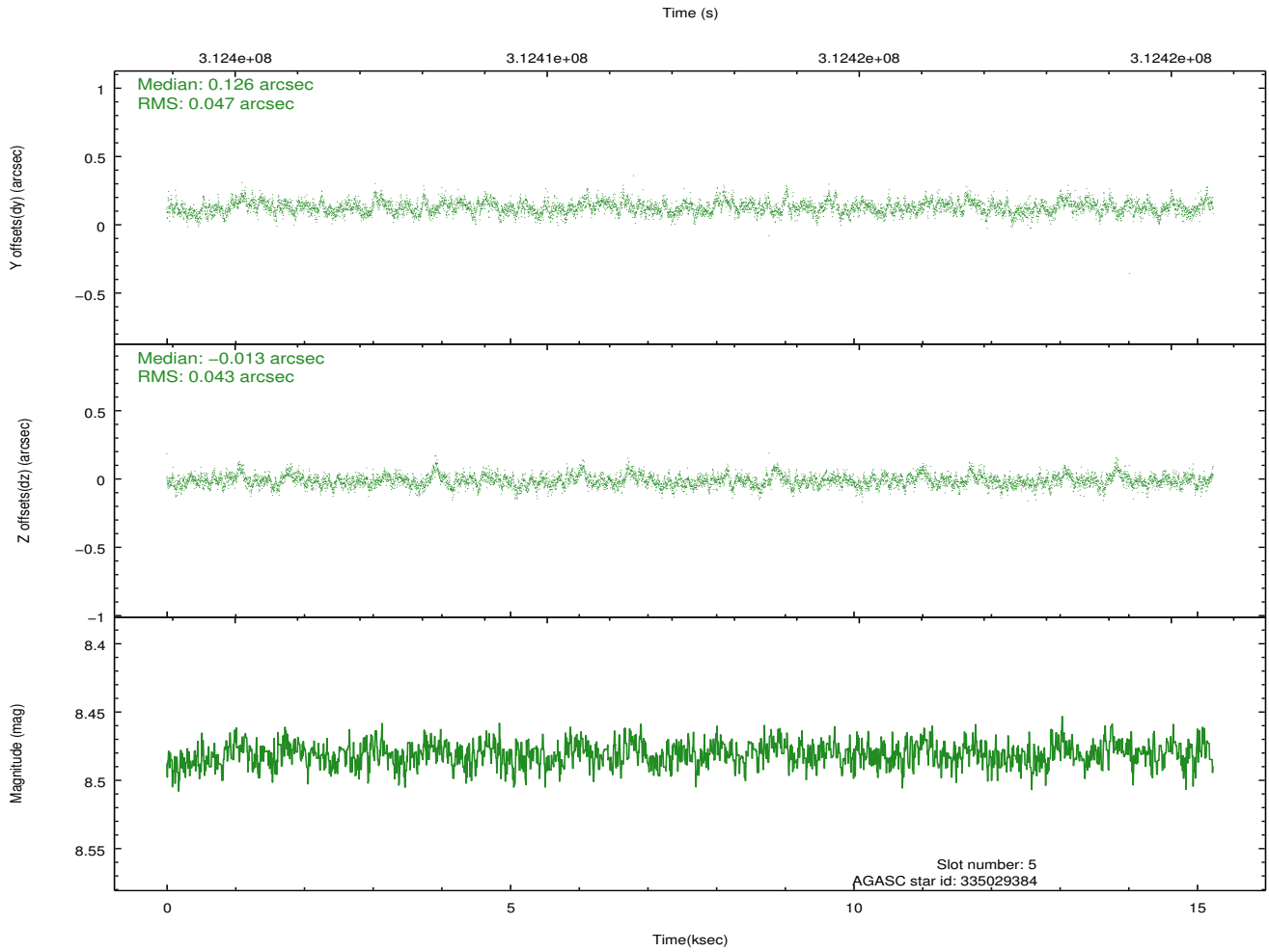
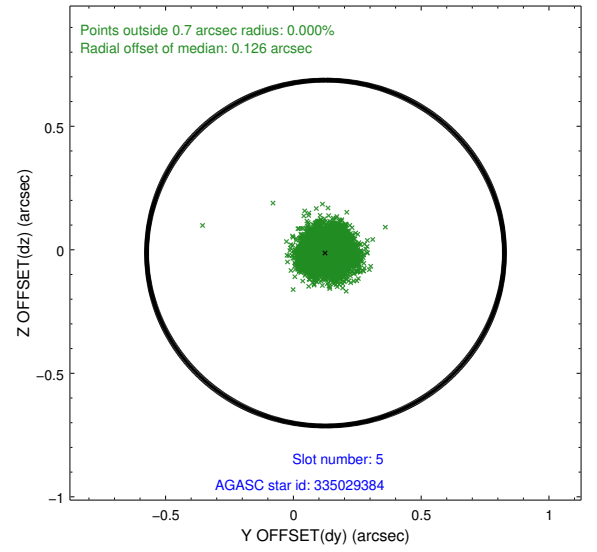
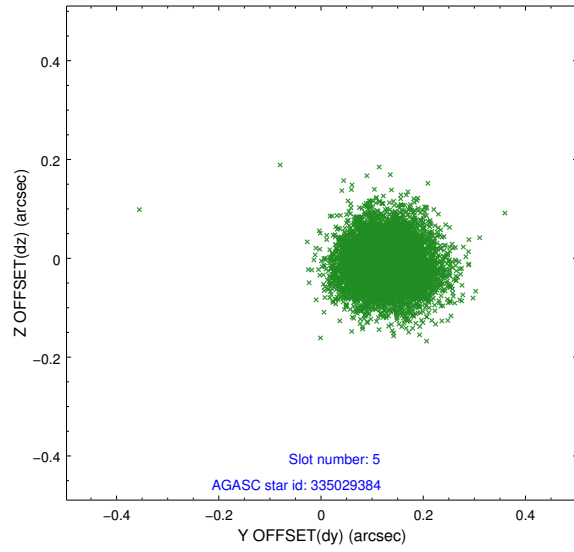
2.4.1 Slot 3



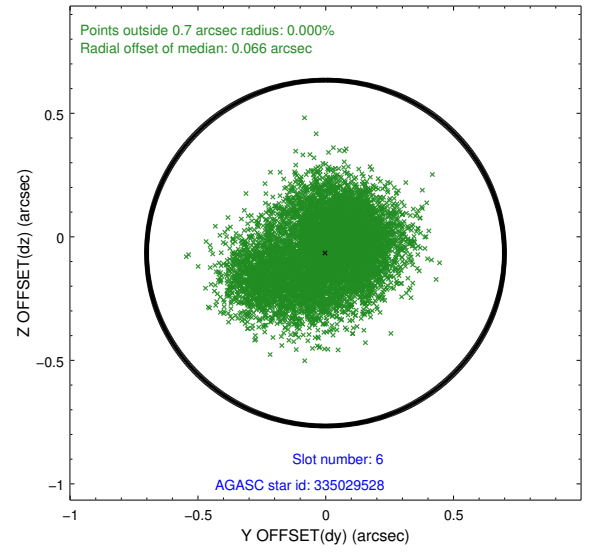
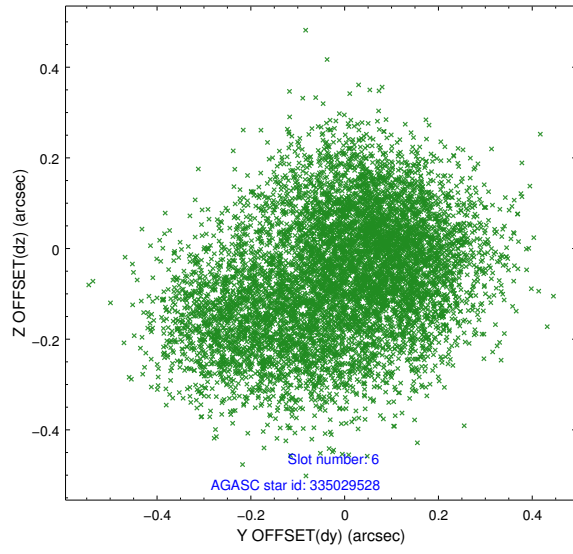
2.4.2 Slot 4



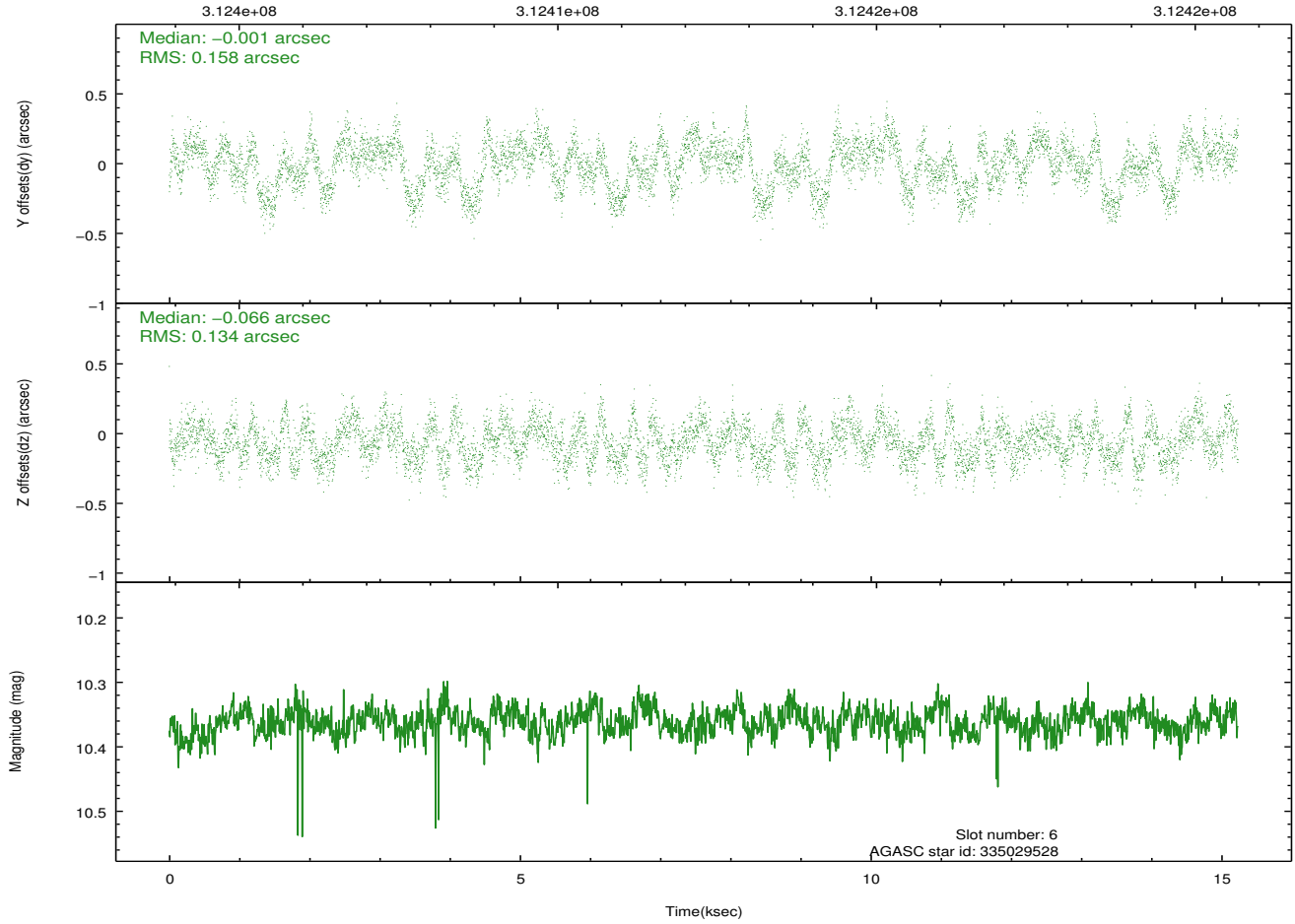
2.4.3 Slot 5



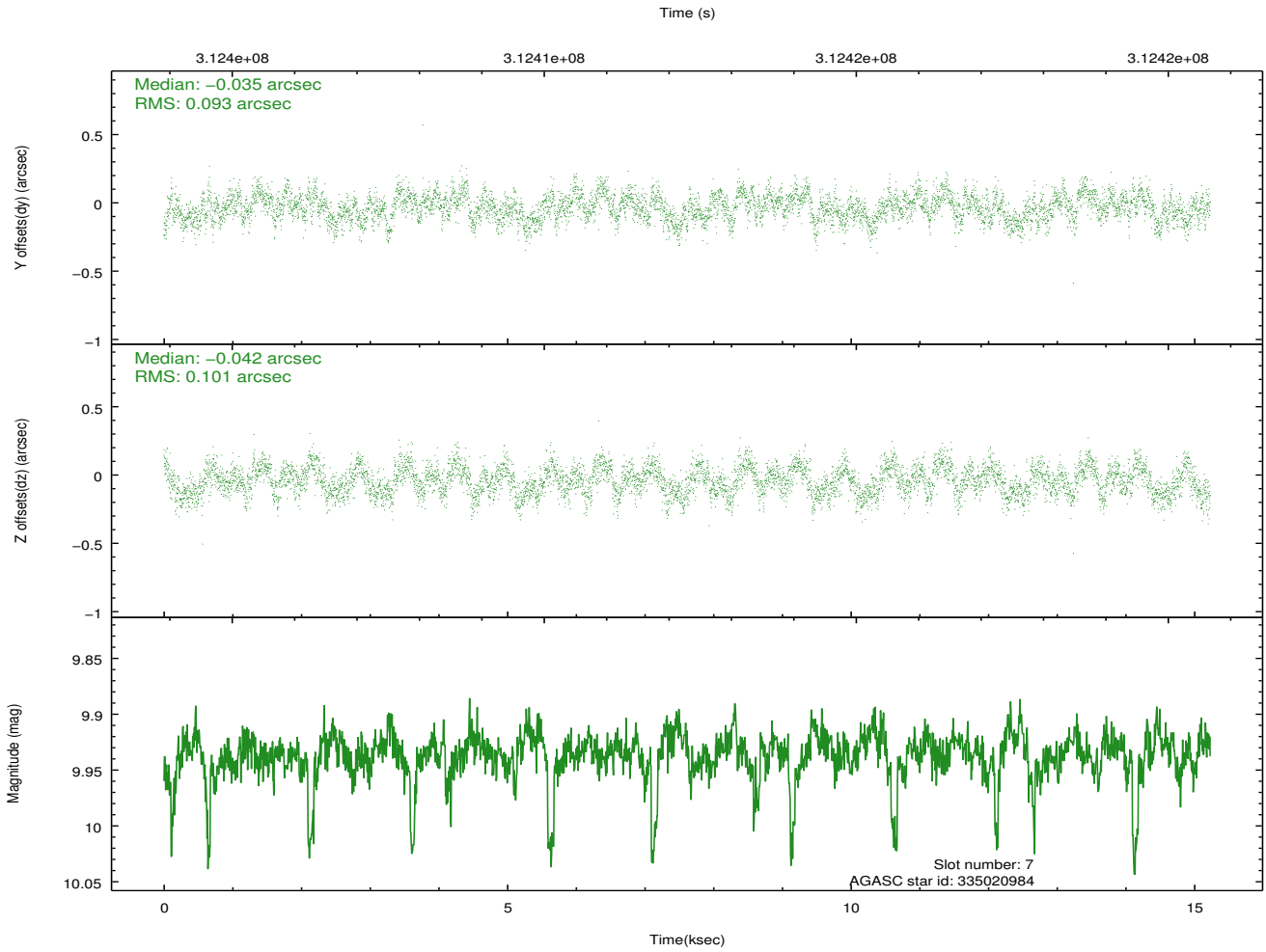
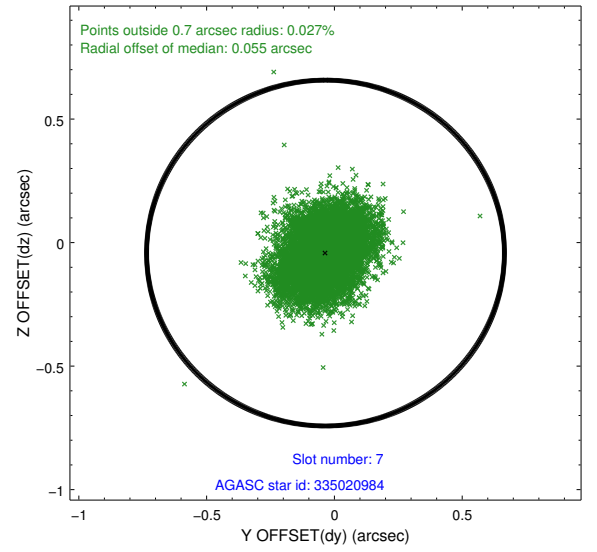
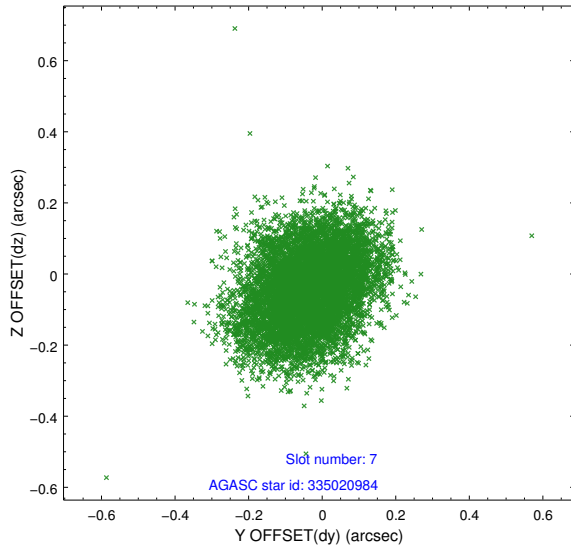
2.4.4 Slot 6



Time (s)

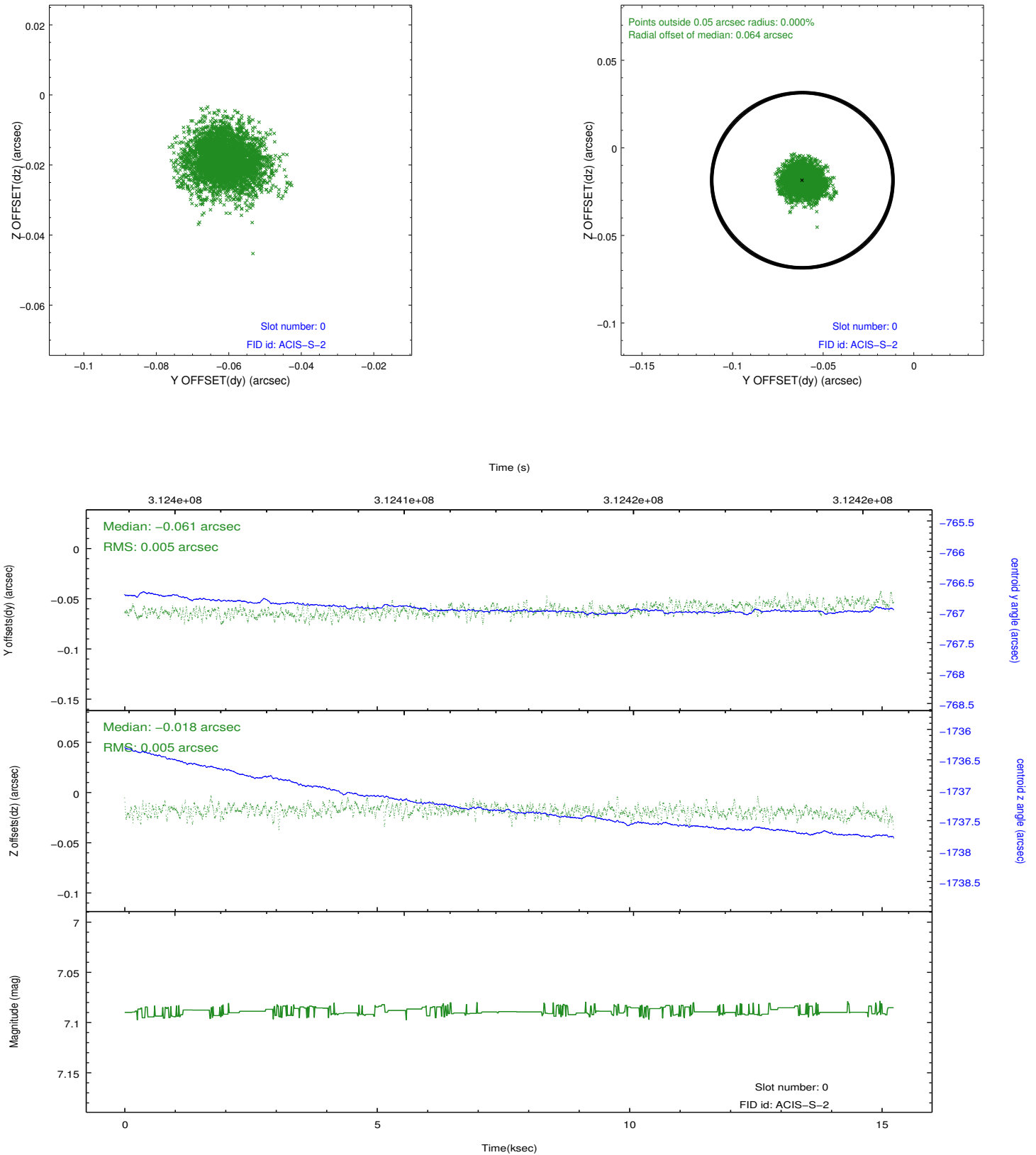


2.4.5 Slot 7

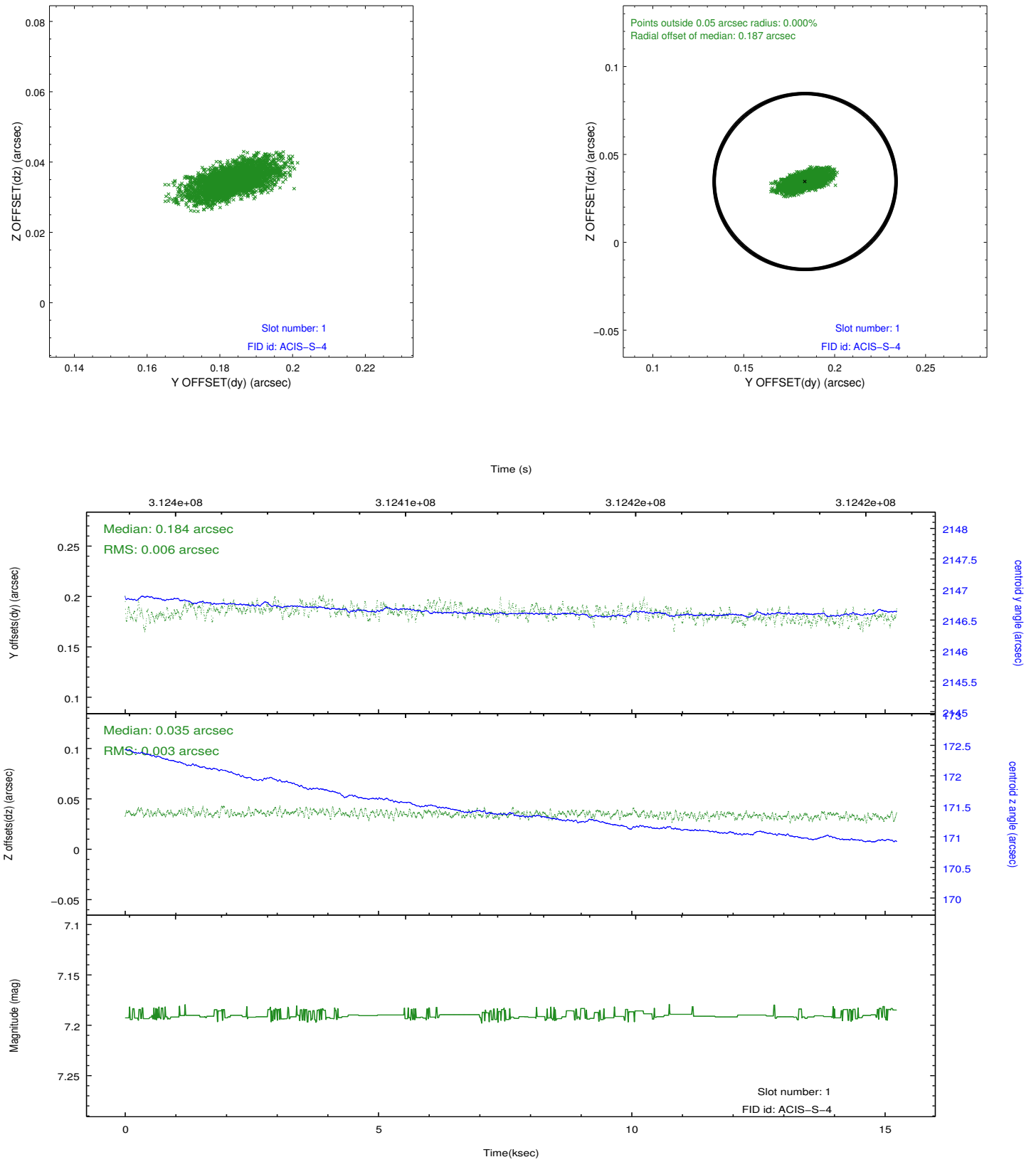


2.5 FID Slots

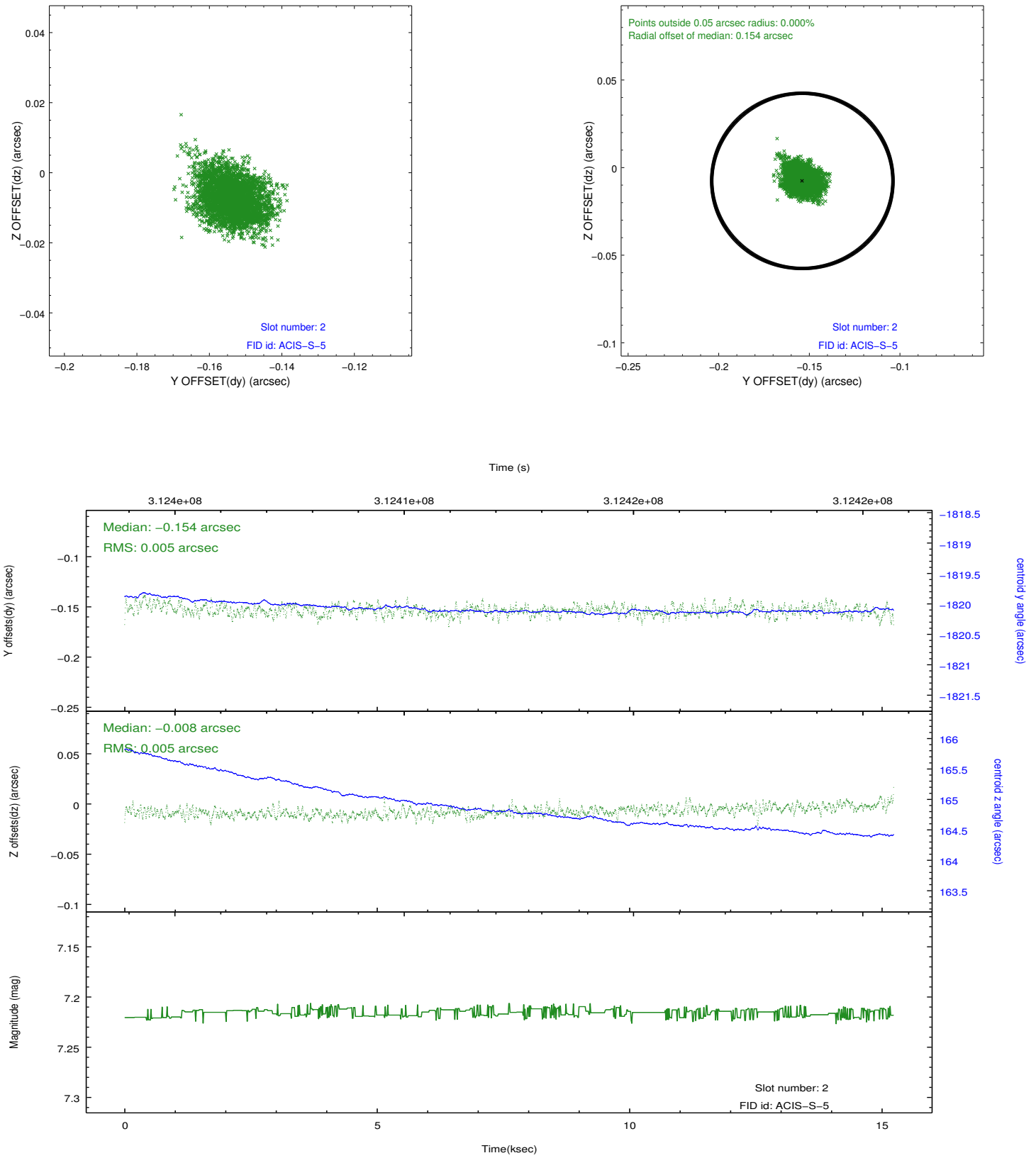
2.5.1 Slot 0



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)	2012.05.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.0443001

A.2 Comments