

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 14212 - L2 Version 1
Chandra X-Ray Center

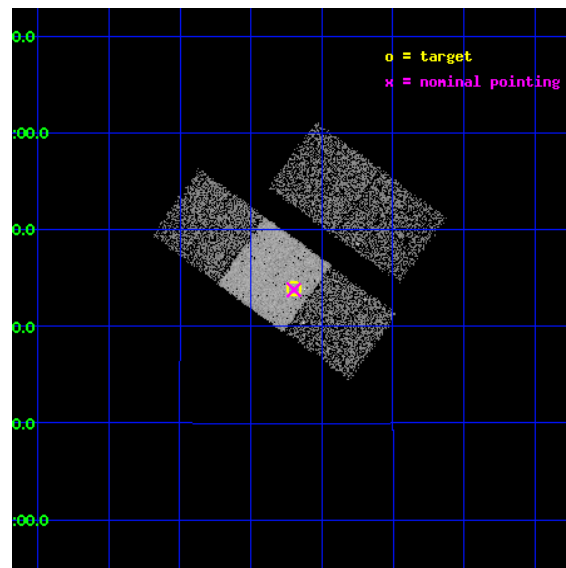
L2 Processing Date : Apr 30 2012

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1 Front

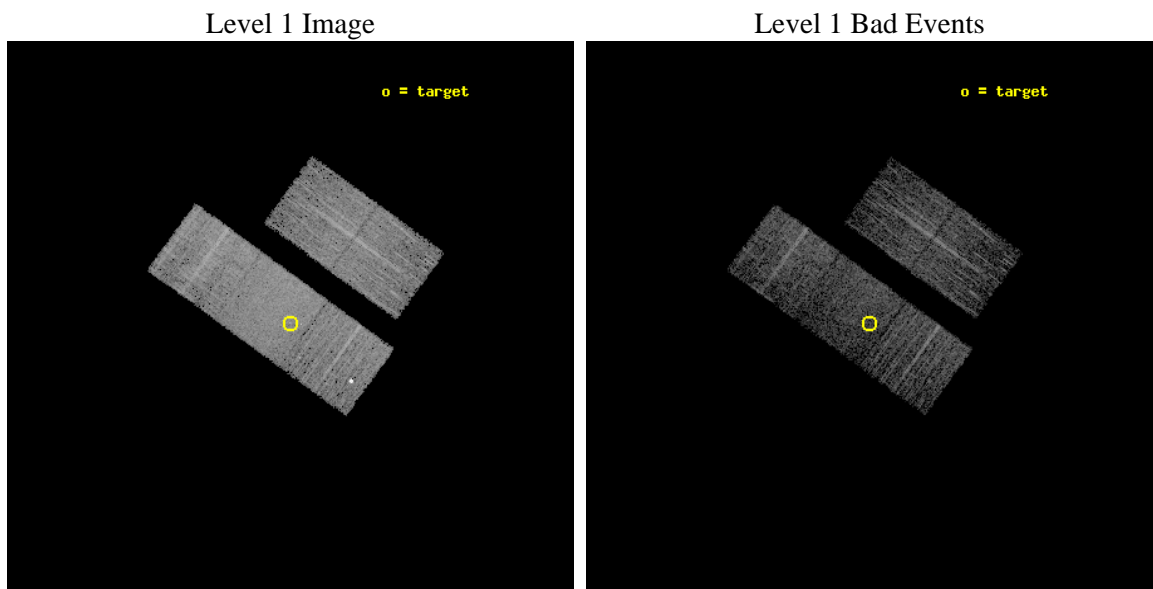
seq_num	702708	Sequence number
obs_id	14212	Observation id
title	Exploratory X-ray Monitoring of z>4 Radio-Quiet Quasars	Proposal t
observer	Prof. Ohad Shemmer	Principal investigator
object	PSS 1326+0743	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	201.549167	Observer's specified target RA [deg]
dec_targ	7.732639	Observer's specified target Dec [deg]
ra_nom	201.54932004822	Nominal RA [deg]
dec_nom	7.7295824038508	Nominal Dec [deg]
roll_nom	215.88865336005	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5062.3000389338	Sum of GTIs [s]
livetime	4996.157362114	Livetime [s]
ontime2	5062.3000389338	Sum of GTIs [s]
ontime3	5062.3000389338	Sum of GTIs [s]
ontime6	5062.3000389338	Sum of GTIs [s]
ontime7	5062.3000389338	Sum of GTIs [s]
ontime8	5062.3000389338	Sum of GTIs [s]
l2events	30538	Number of level 2 events



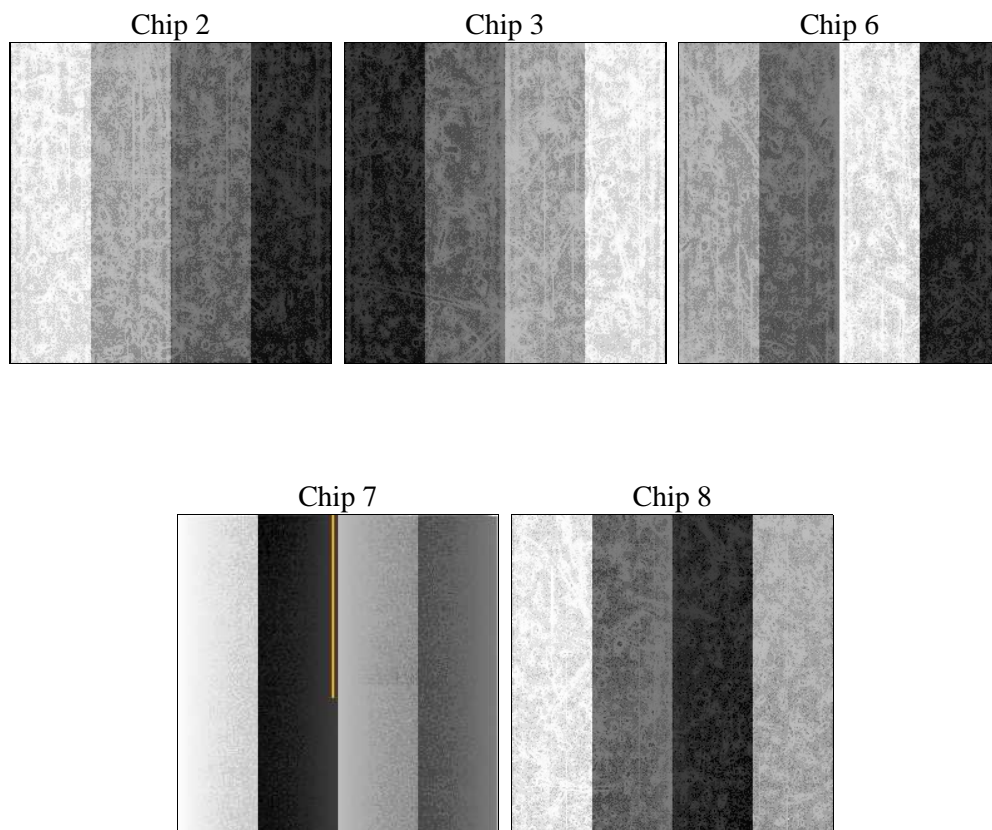
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5062.3000389338	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	5062.3000389338	Sum of GTIs [s]
date	2012-04-30T23:40:58	Date and time of file creation	ontime3	5062.3000389338	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	5062.3000389338	Sum of GTIs [s]
			ontime7	5062.3000389338	Sum of GTIs [s]
			ontime8	5062.3000389338	Sum of GTIs [s]
			l1events	174701	Number of level 1 events

2.1.4 Events

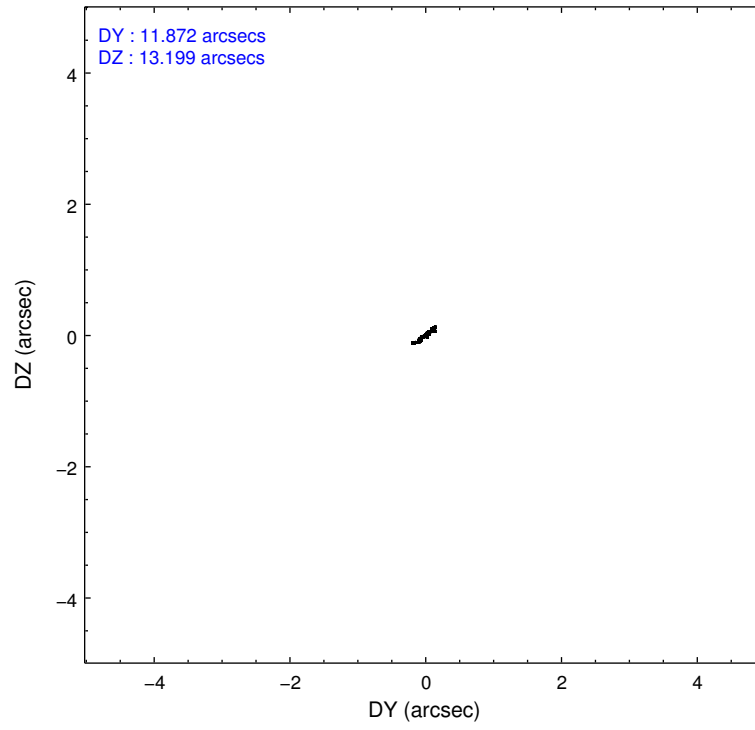
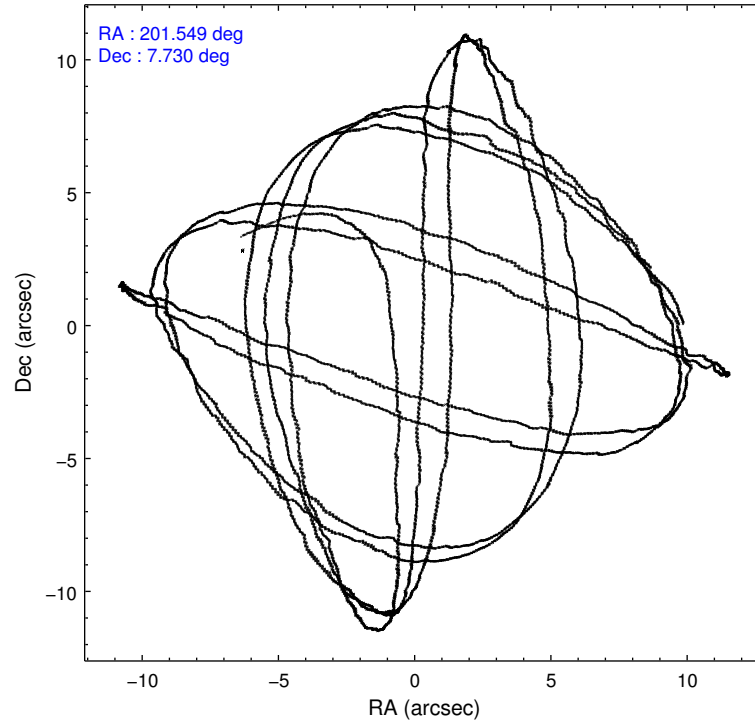
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	29690	29755	34120	40561	40575
rejected events	26269	26381	27241	22426	29782
rejected %	88%	88%	79%	55%	73%

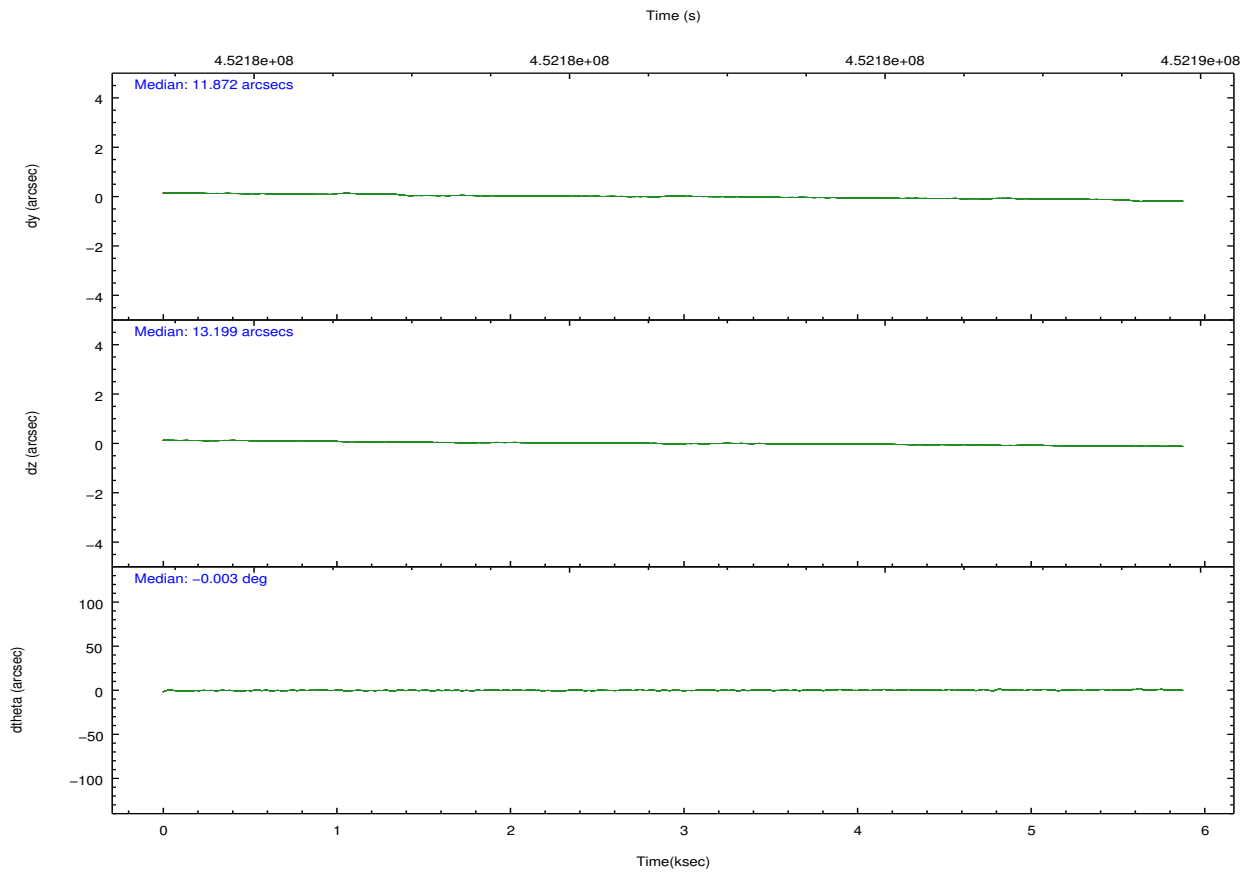
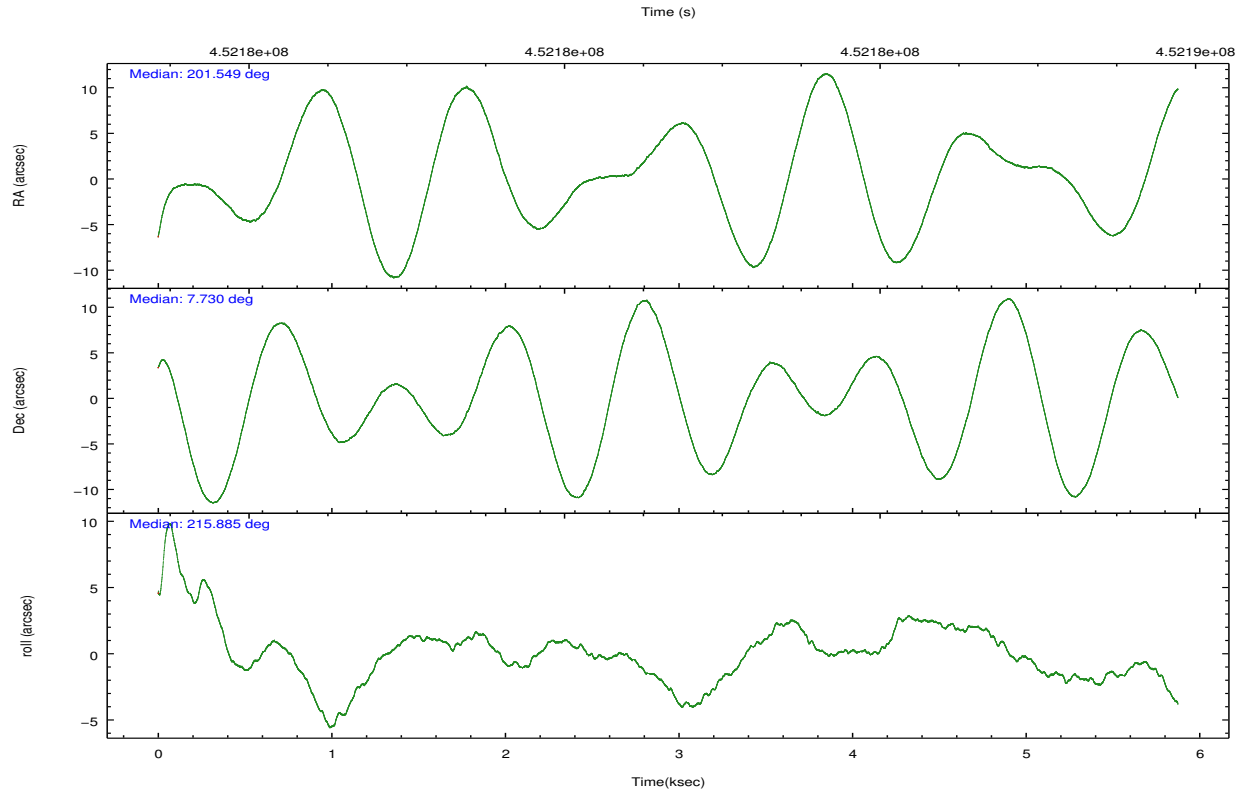
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	1267	1144	1434	1704	3150
	4%	3%	4%	4%	7%
grade 1 events	10	17	9	53	29
	0%	0%	0%	0%	0%
grade 2 events	811	780	3876	3742	2567
	2%	2%	11%	9%	6%
grade 3 events	349	364	365	1581	1084
	1%	1%	1%	3%	2%
grade 4 events	345	365	361	1543	987
	1%	1%	1%	3%	2%
grade 5 events	1220	1514	1556	4037	2177
	4%	5%	4%	9%	5%
grade 6 events	653	727	849	9592	3009
	2%	2%	2%	23%	7%
grade 7 events	25035	24844	25670	18309	27572
	84%	83%	75%	45%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	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	201.560278	201.5493200482163	CCD I2 on	O2	Y
[deg] Pointing Dec	7.754724	7.729582403850837	CCD I3 on	O1	Y
[deg] Pointing Roll	215.730555	215.888653360053	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	Y	Y
[s] Observation start time (MET)	452180587.184000	452178179.72243	CCD S5 on	N	N
Observation start date	2012-04-30T13:42:01	2012-04-30T13:02:59	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	452185587.184000	452186388.94787	On-chip summing requested	N	N
Observation end date	2012-04-30T15:05:21	2012-04-30T15:19:48	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



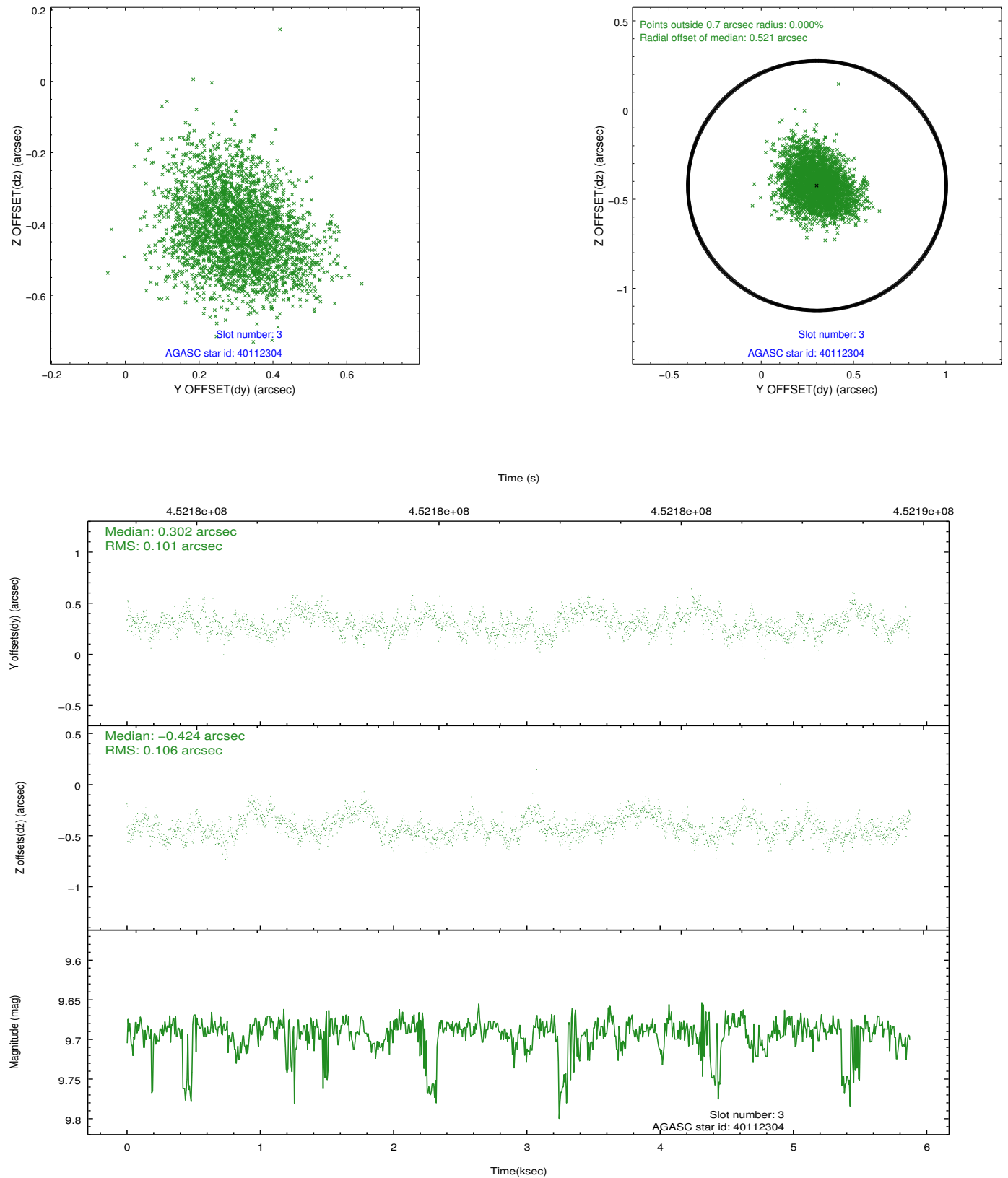


Slot Statistics

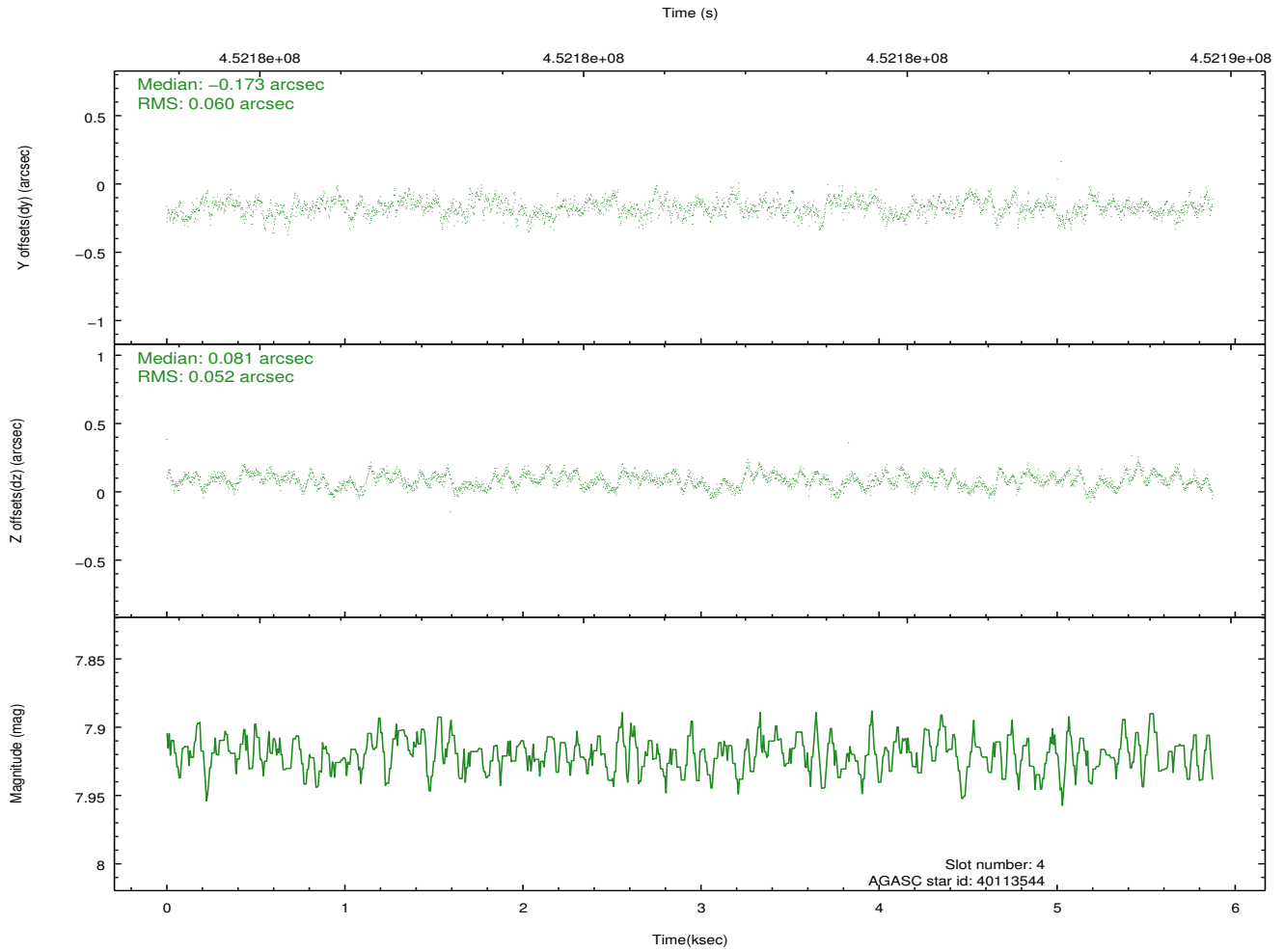
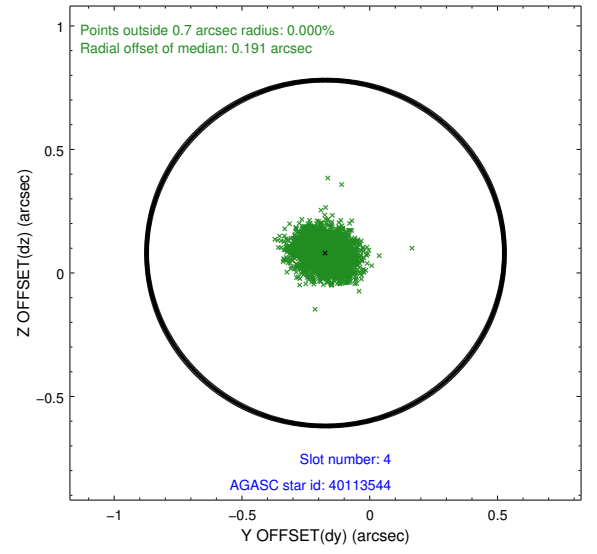
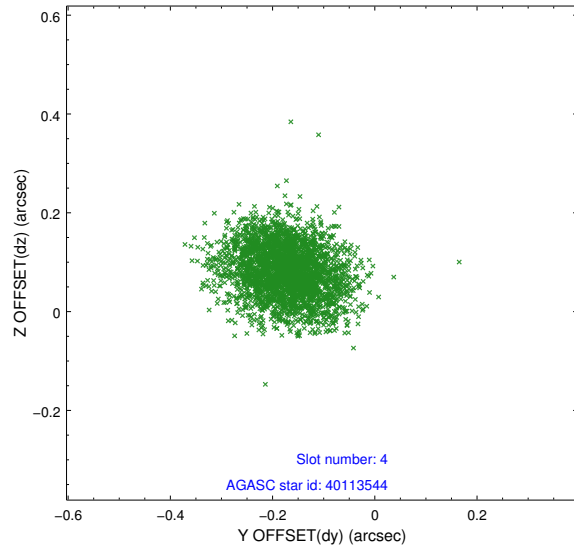
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.94	1434	-0.037	-0.035	0.006	0.010	0.000000	0.000000	-764.81	-1734.56
1	FID	ACIS-S-4	7.03	1434	0.149	0.027	0.005	0.009	0.000000	0.000000	2148.21	172.91
2	FID	ACIS-S-5	7.06	1434	-0.142	0.016	0.006	0.011	0.000000	0.000000	-1816.44	167.76
3	GUIDE	40112304	9.69	2857	0.302	-0.424	0.156	0.253	202.225576	7.441058	-1269.38	2301.77
4	GUIDE	40113544	7.92	2865	-0.173	0.081	0.084	0.135	201.675538	7.453262	299.95	1121.63
5	GUIDE	40114416	9.74	2865	-0.113	0.190	0.144	0.231	201.610541	7.400035	600.17	1141.89
6	GUIDE	116791824	9.18	2865	0.047	-0.042	0.121	0.191	201.287828	7.911044	460.22	-1023.83
7	GUIDE	116923528	9.73	2860	-0.053	0.192	0.157	0.269	202.304546	7.771186	-2191.48	1501.40

2.4 Star Slots

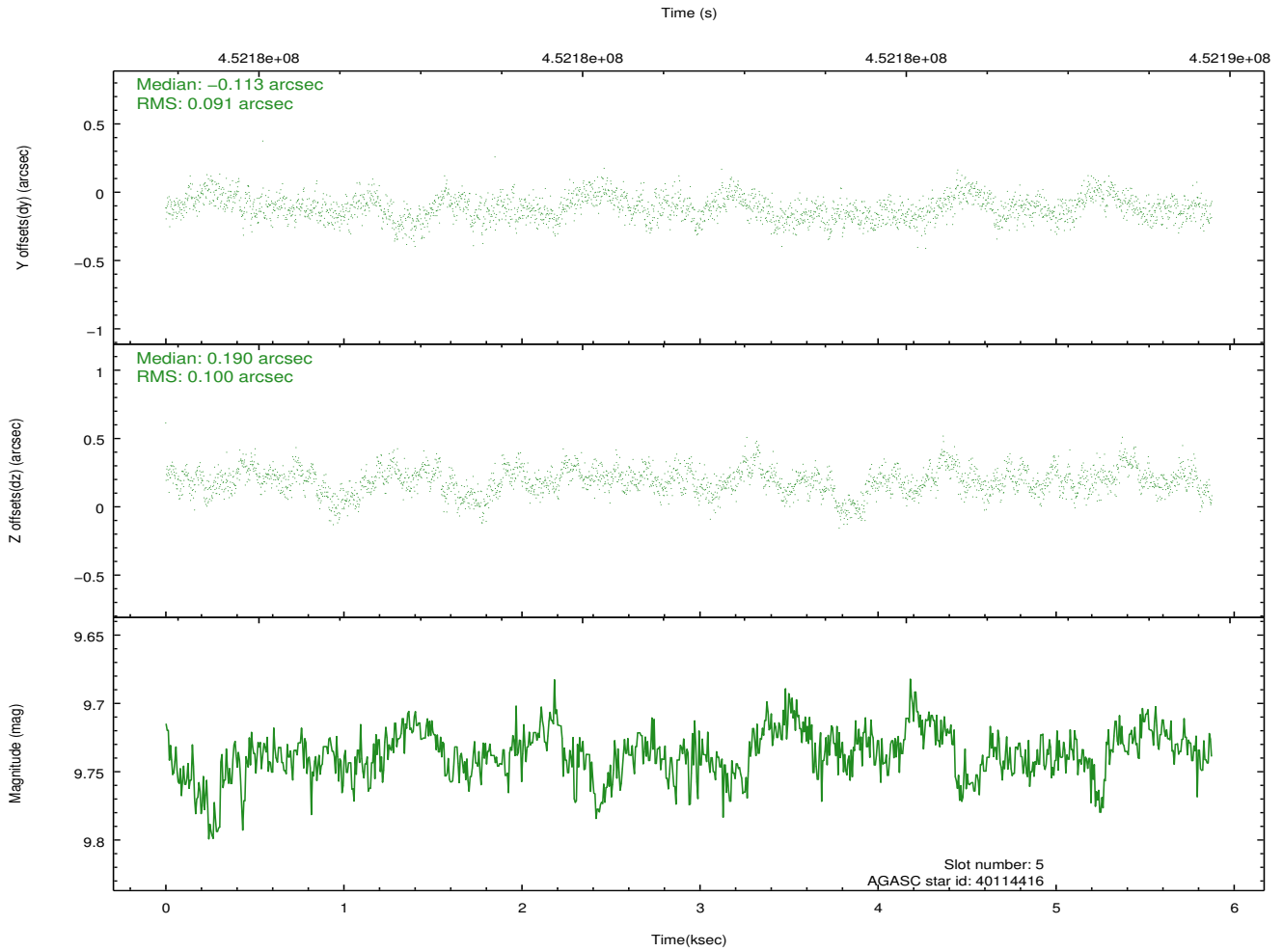
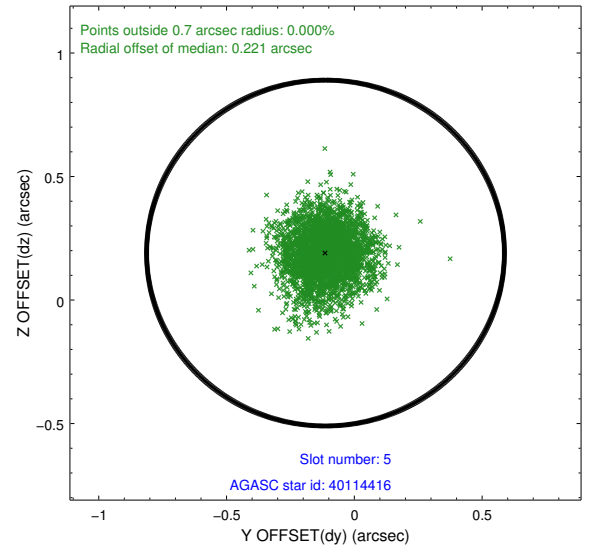
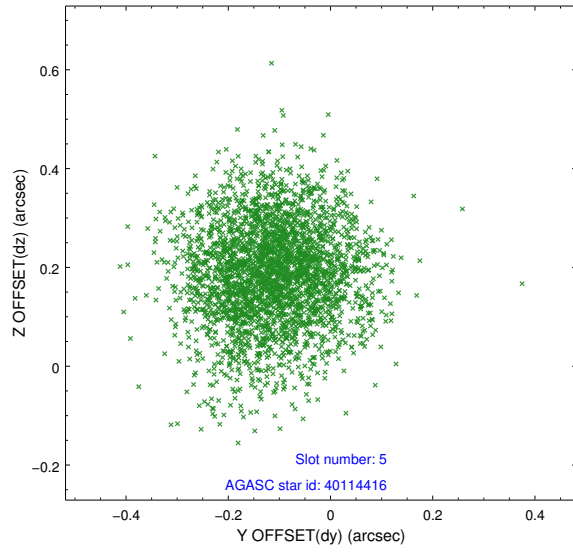
2.4.1 Slot 3



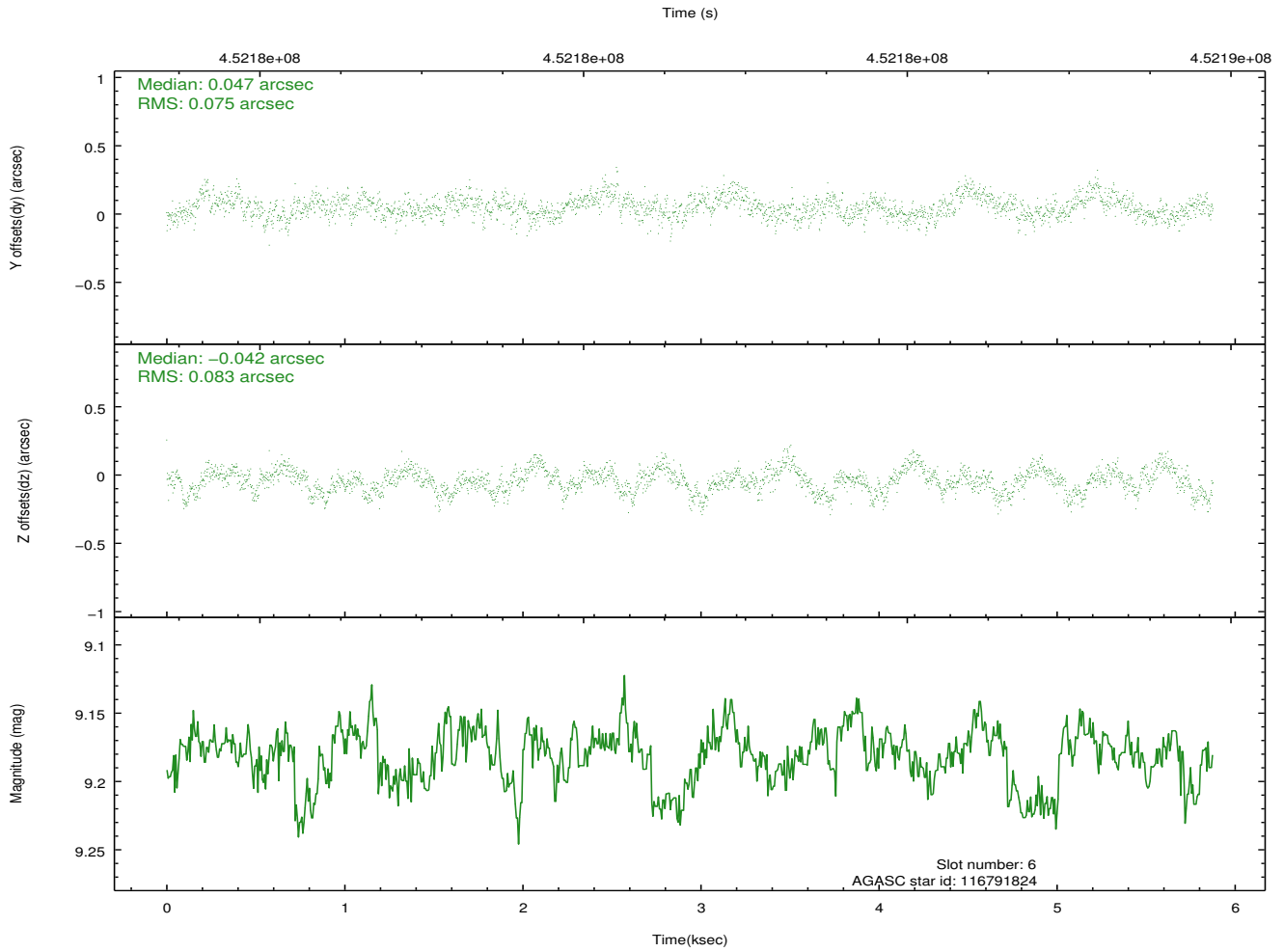
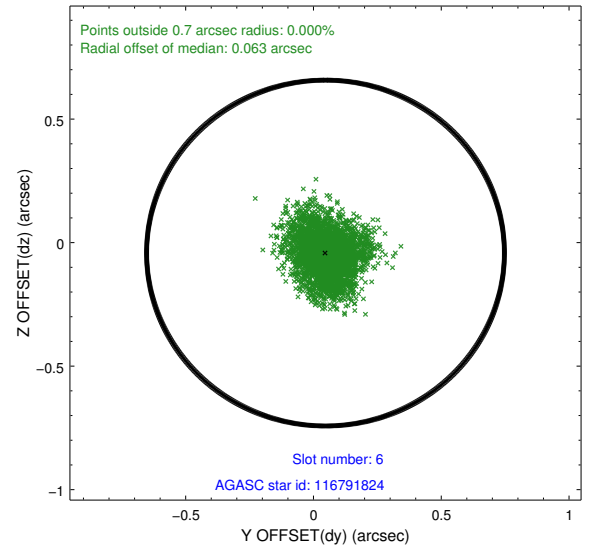
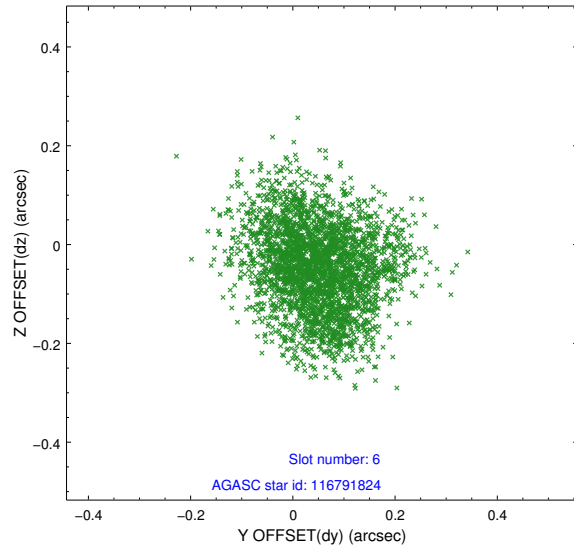
2.4.2 Slot 4



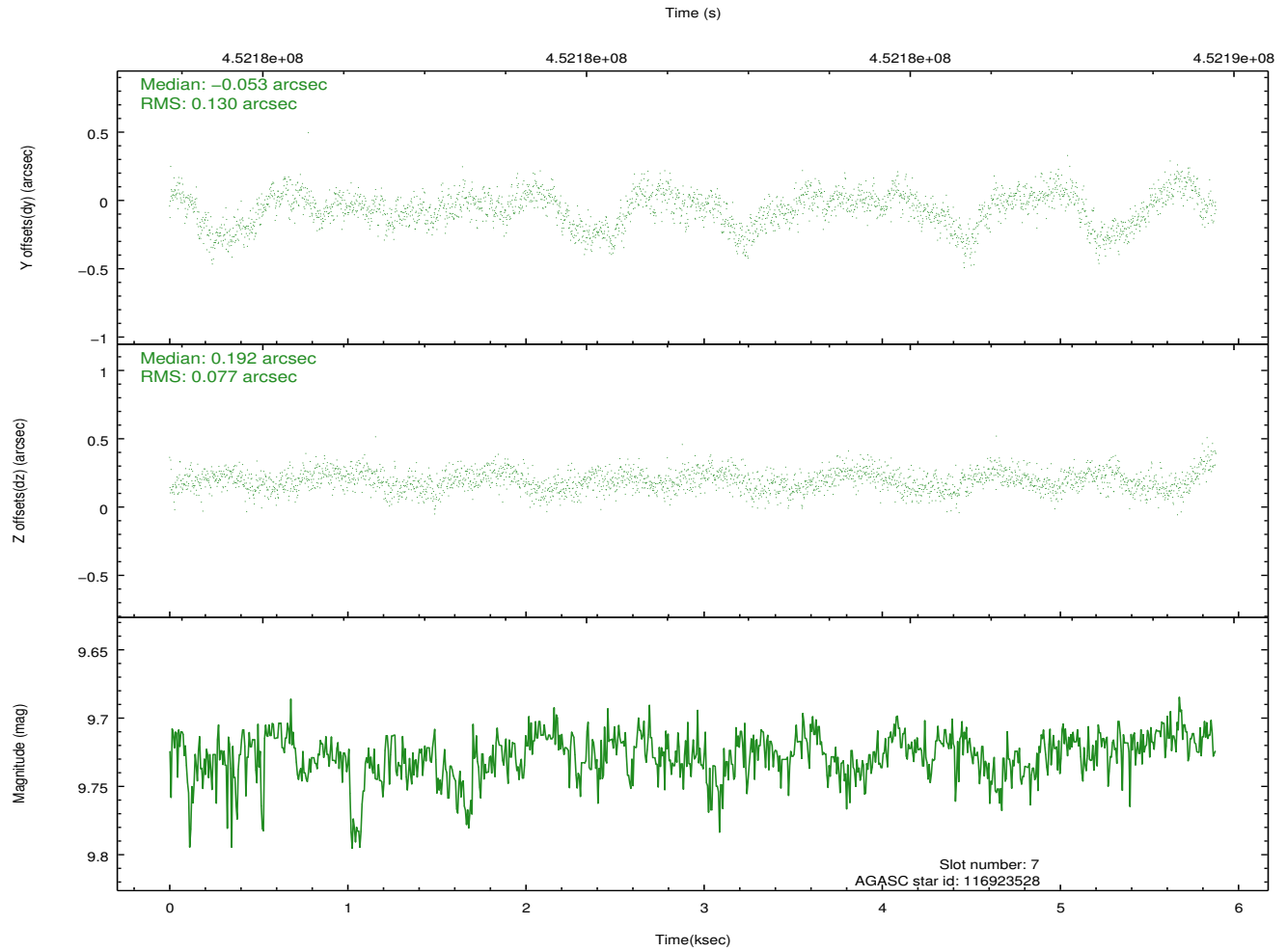
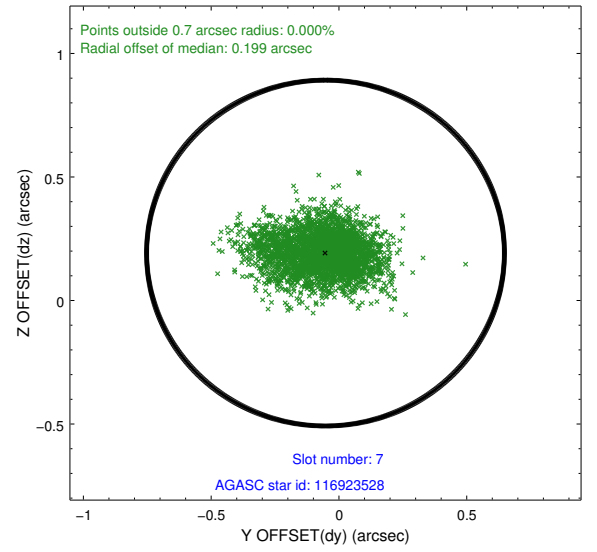
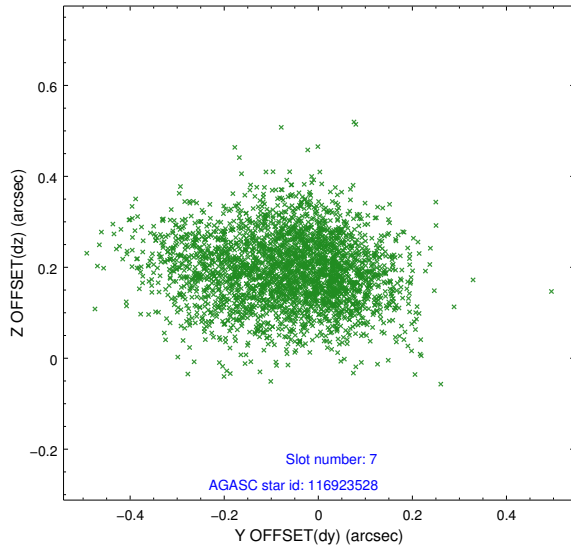
2.4.3 Slot 5



2.4.4 Slot 6

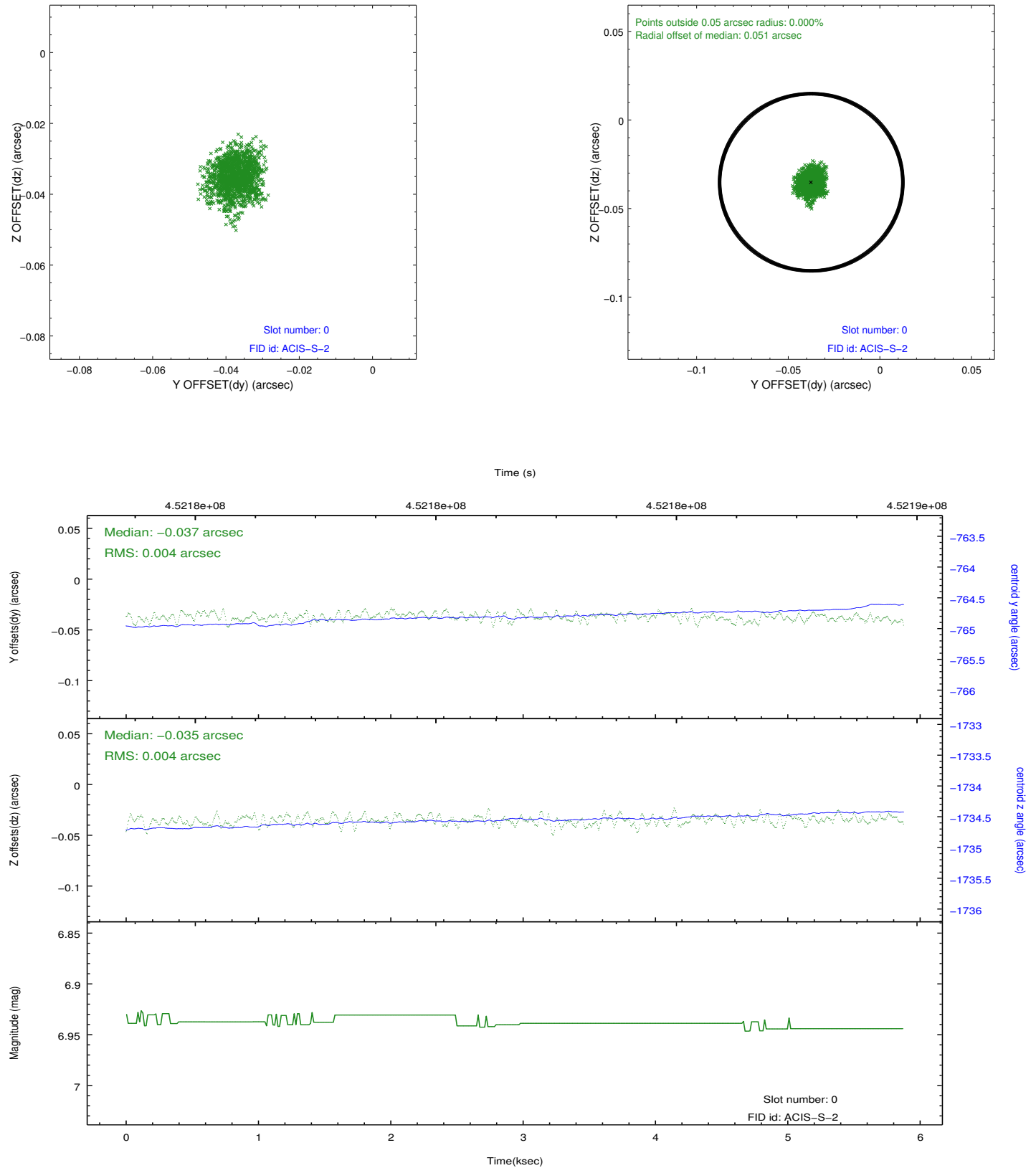


2.4.5 Slot 7

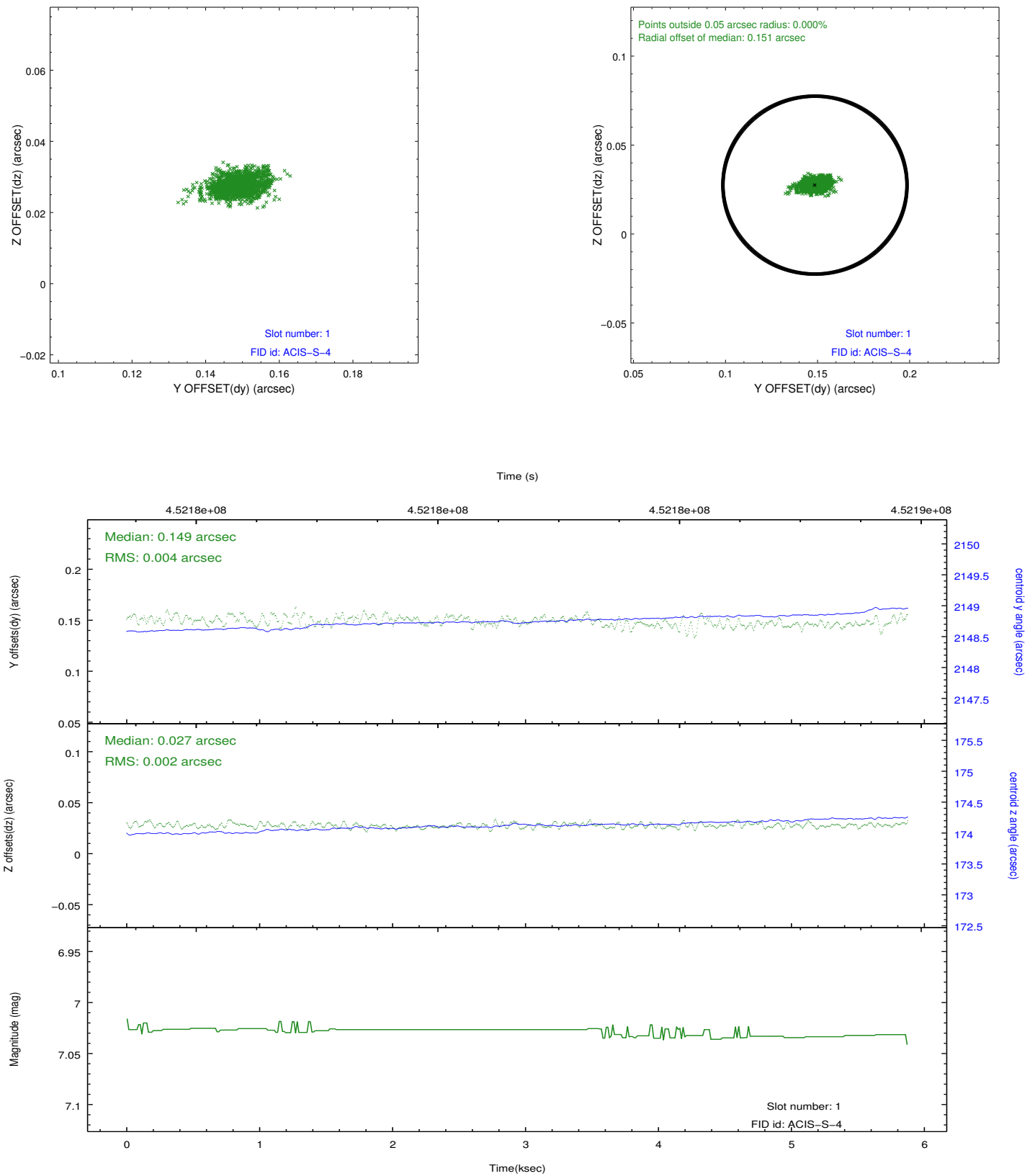


2.5 FID Slots

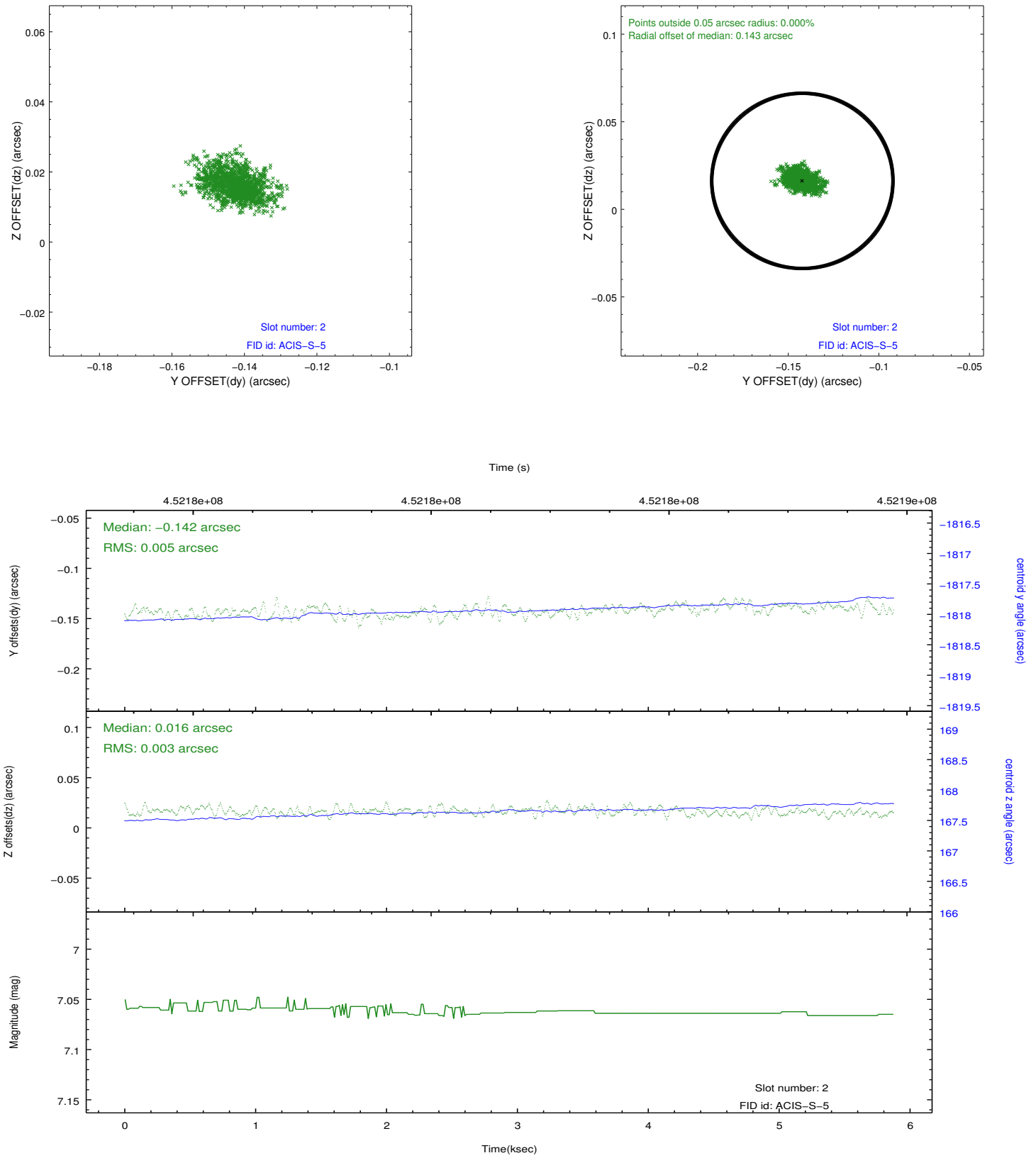
2.5.1 Slot 0



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)	2012.05.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0623000389338

A.2 Comments