

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4856 - L2 Version 3
Chandra X-Ray Center

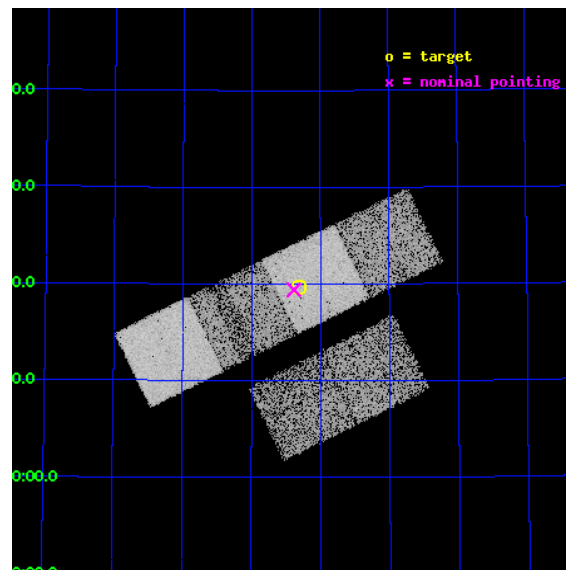
L2 Processing Date : Nov 7 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

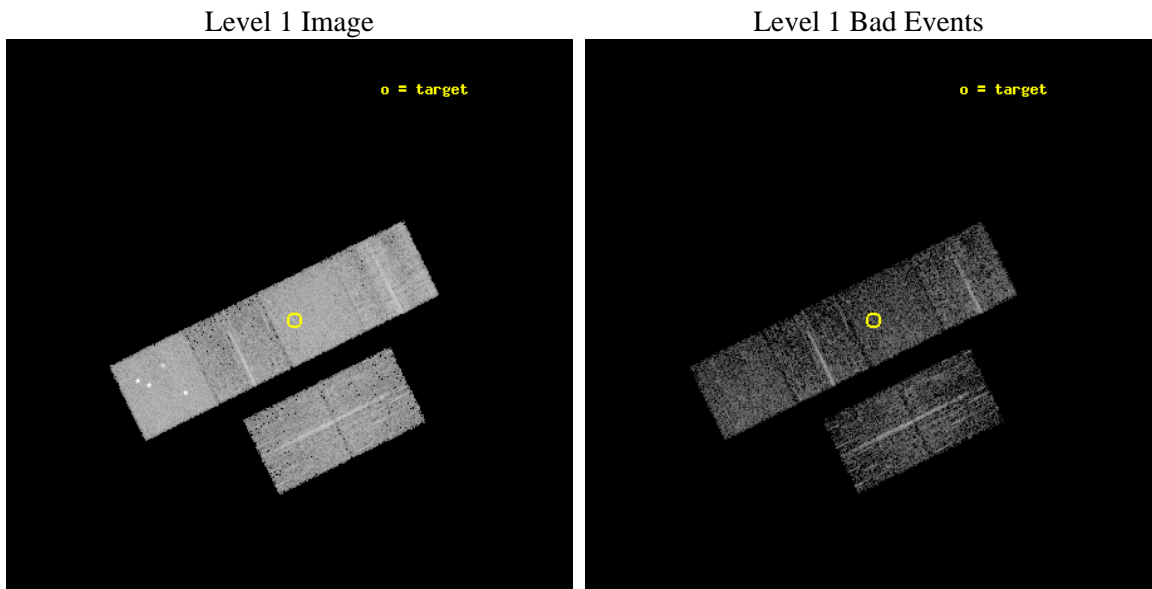
seq_num	700938	Sequence number
obs_id	4856	Observation id
title	X-ray Properties of Dust Reddened Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Dr. Gordon Richards	Principal investigator
object	SDSS J171419.24+611944.5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	258.58	Observer's specified target RA [deg]
dec_targ	61.329028	Observer's specified target Dec [deg]
ra_nom	258.59632272979	Nominal RA [deg]
dec_nom	61.32341178157	Nominal Dec [deg]
roll_nom	333.79625315669	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4681.5999825597	Sum of GTIs [s]
livetime	4622.3187446594	Livetime [s]
ontime2	4681.5999825597	Sum of GTIs [s]
ontime3	4681.5999825597	Sum of GTIs [s]
ontime5	4681.5999825597	Sum of GTIs [s]
ontime6	4681.5999825597	Sum of GTIs [s]
ontime7	4681.5999825597	Sum of GTIs [s]
ontime8	4681.5999825597	Sum of GTIs [s]
l2events	74833	Number of level 2 events



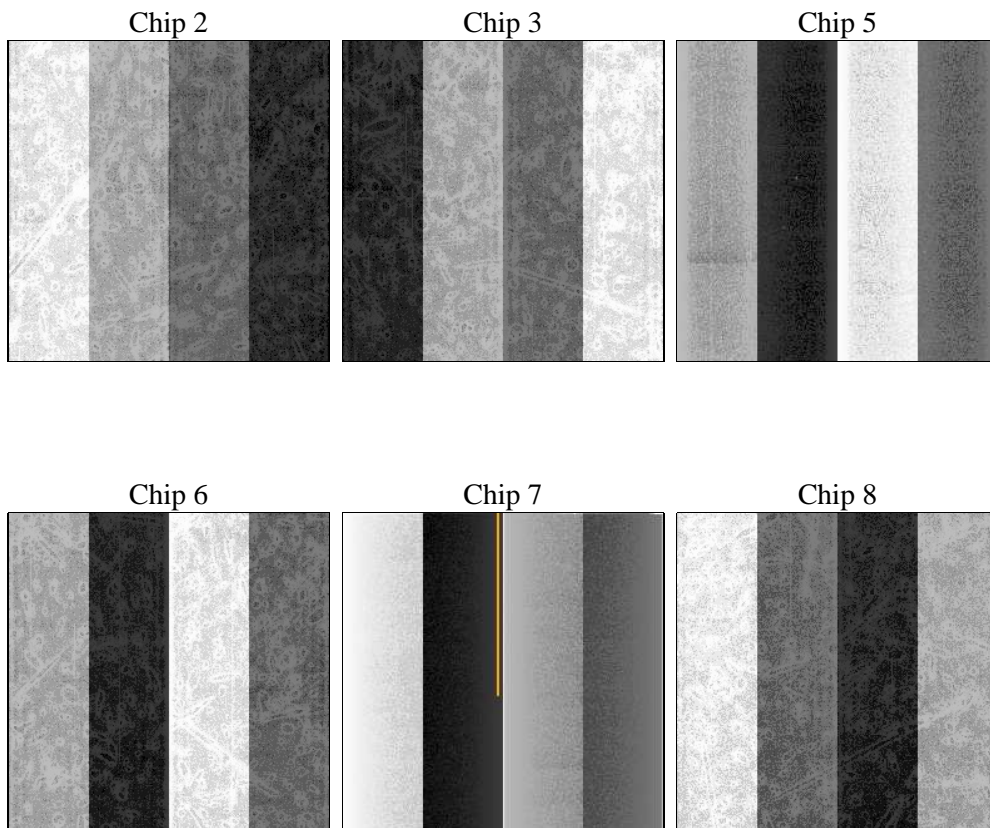
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4550.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4681.5999825597	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	4681.5999825597	Sum of GTIs [s]
date	2012-11-08T02:09:34	Date and time of file creation	ontime3	4681.5999825597	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	4681.5999825597	Sum of GTIs [s]
			ontime6	4681.5999825597	Sum of GTIs [s]
			ontime7	4681.5999825597	Sum of GTIs [s]
			ontime8	4681.5999825597	Sum of GTIs [s]
			l1events	266455	Number of level 1 events

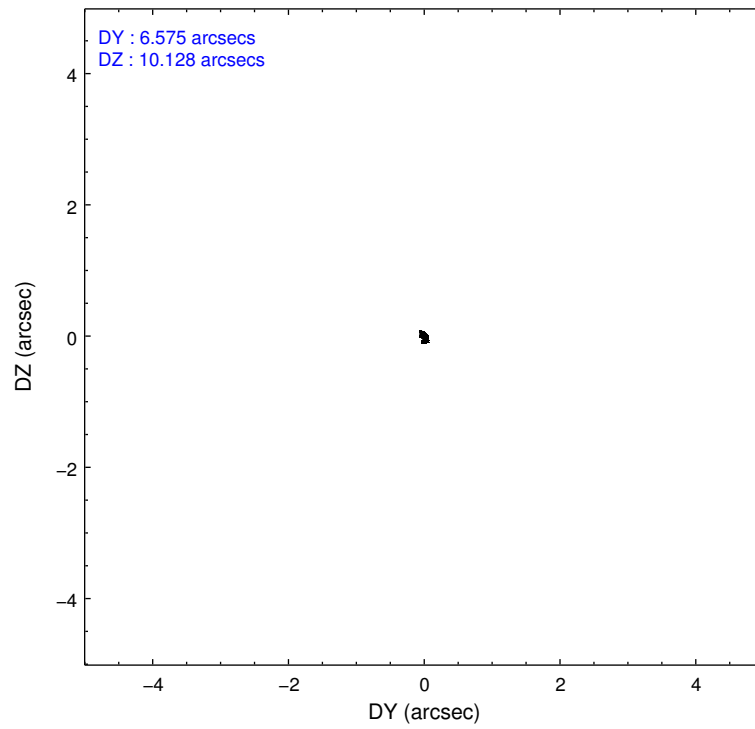
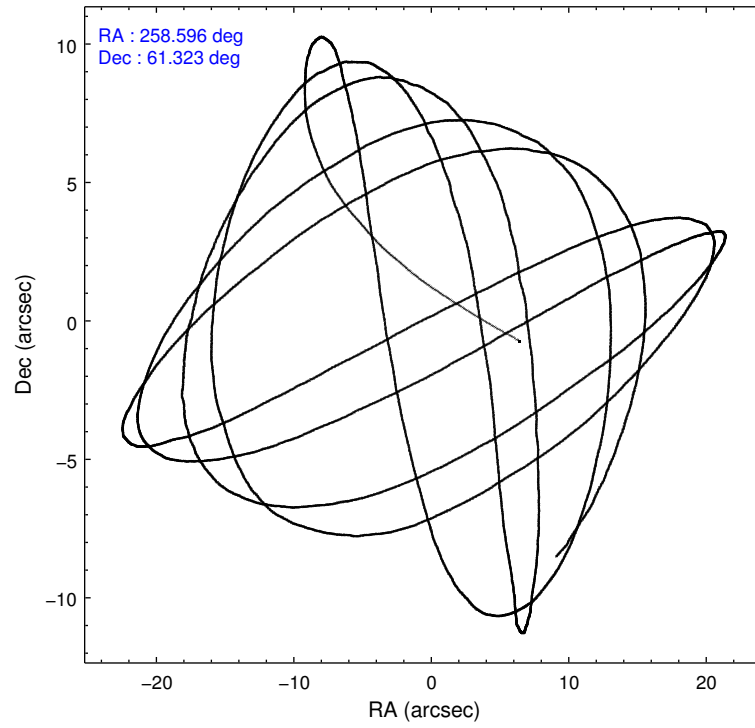
2.1.4 Events

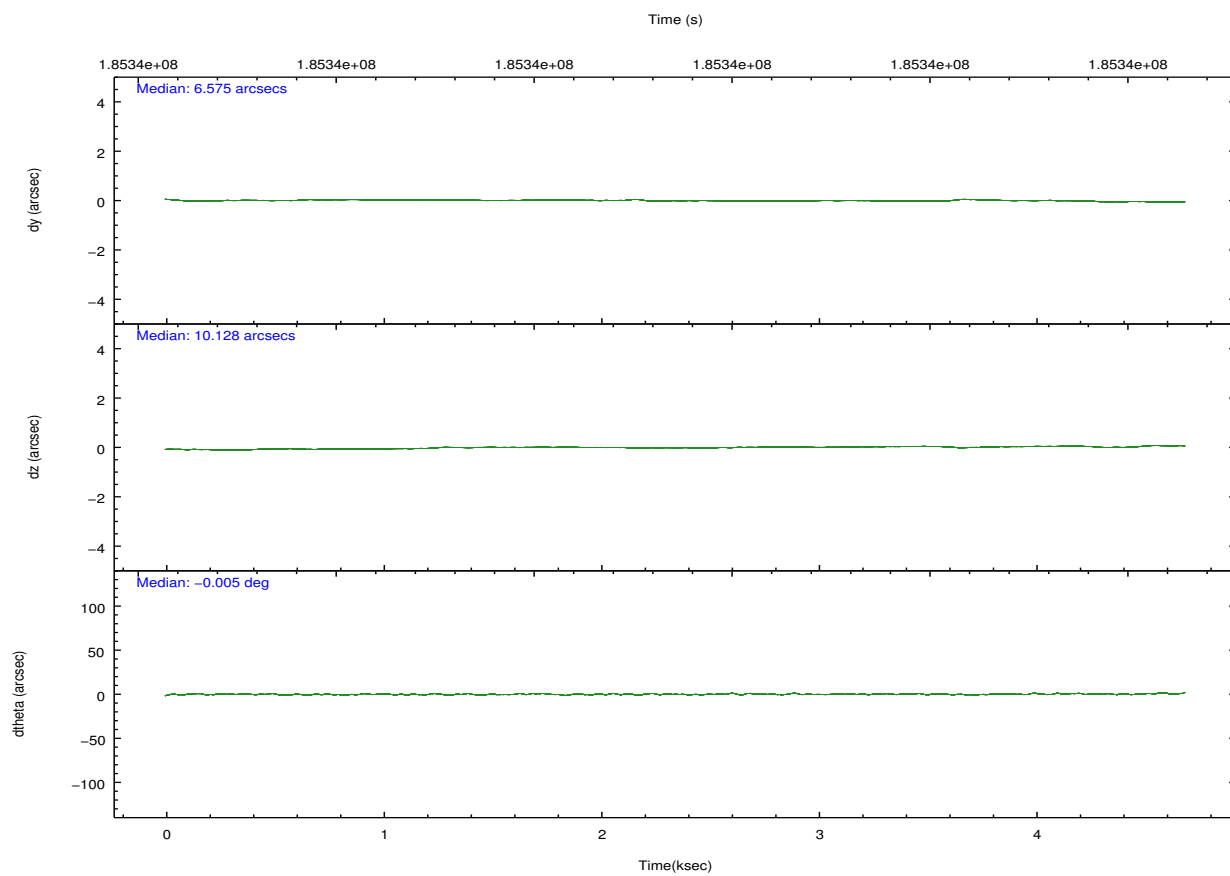
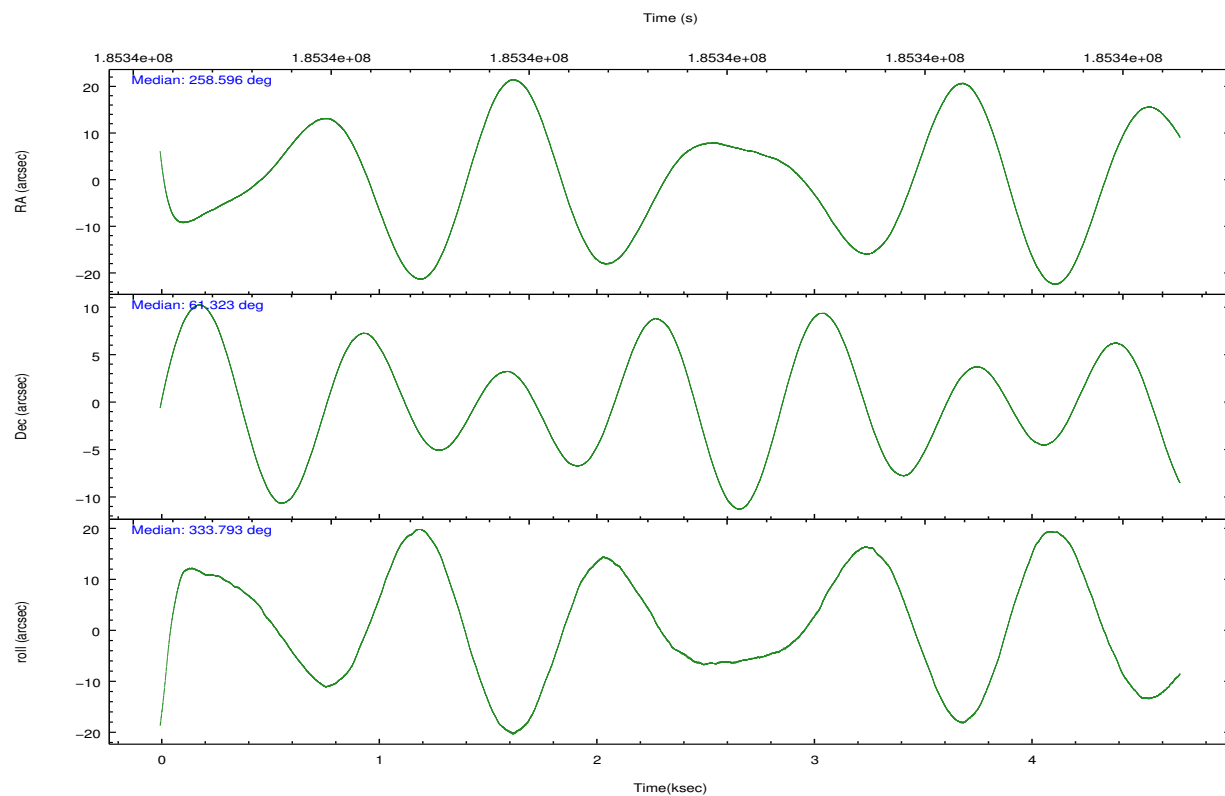
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	33407	32529	61884	33853	52706	52076	grade 0 events	4011	3864	6826	4430	3037	9943
rejected events	27150	26161	31789	26730	28226	32962		12%	11%	11%	13%	5%	19%
rejected %	81%	80%	51%	78%	53%	63%	grade 1 events	34	17	137	25	54	61
								0%	0%	0%	0%	0%	0%
							grade 2 events	1572	1888	10248	2146	5401	3546
								4%	5%	16%	6%	10%	6%
							grade 3 events	392	378	1594	420	2428	2941
								1%	1%	2%	1%	4%	5%
							grade 4 events	473	448	1596	433	2348	2653
								1%	1%	2%	1%	4%	5%
							grade 5 events	1180	1365	3508	1374	3777	1860
								3%	4%	5%	4%	7%	3%
							grade 6 events	1233	1243	15575	1300	16157	3401
								3%	3%	25%	3%	30%	6%
							grade 7 events	24512	23326	22400	23725	19504	27671
								73%	71%	36%	70%	37%	53%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	258.539695	258.5963227297923	Subarray requested	NONE	NONE
[deg] Pointing Dec	61.321112	61.32341178156968	Alternating exposures requested	N	N
[deg] Pointing Roll	333.689347	333.7962531566899	[s] Primary exposure time	0.000000	3.2
[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)	185339507.184000	185338081.3134			
Observation start date	2003-11-16T03:10:43	2003-11-16T02:48:01			
[s] Observation end time (MET)	185344057.184000	185344284.61367			
Observation end date	2003-11-16T04:26:33	2003-11-16T04:31:24			
Read mode	TIMED	TIMED			

2.3 Aspect



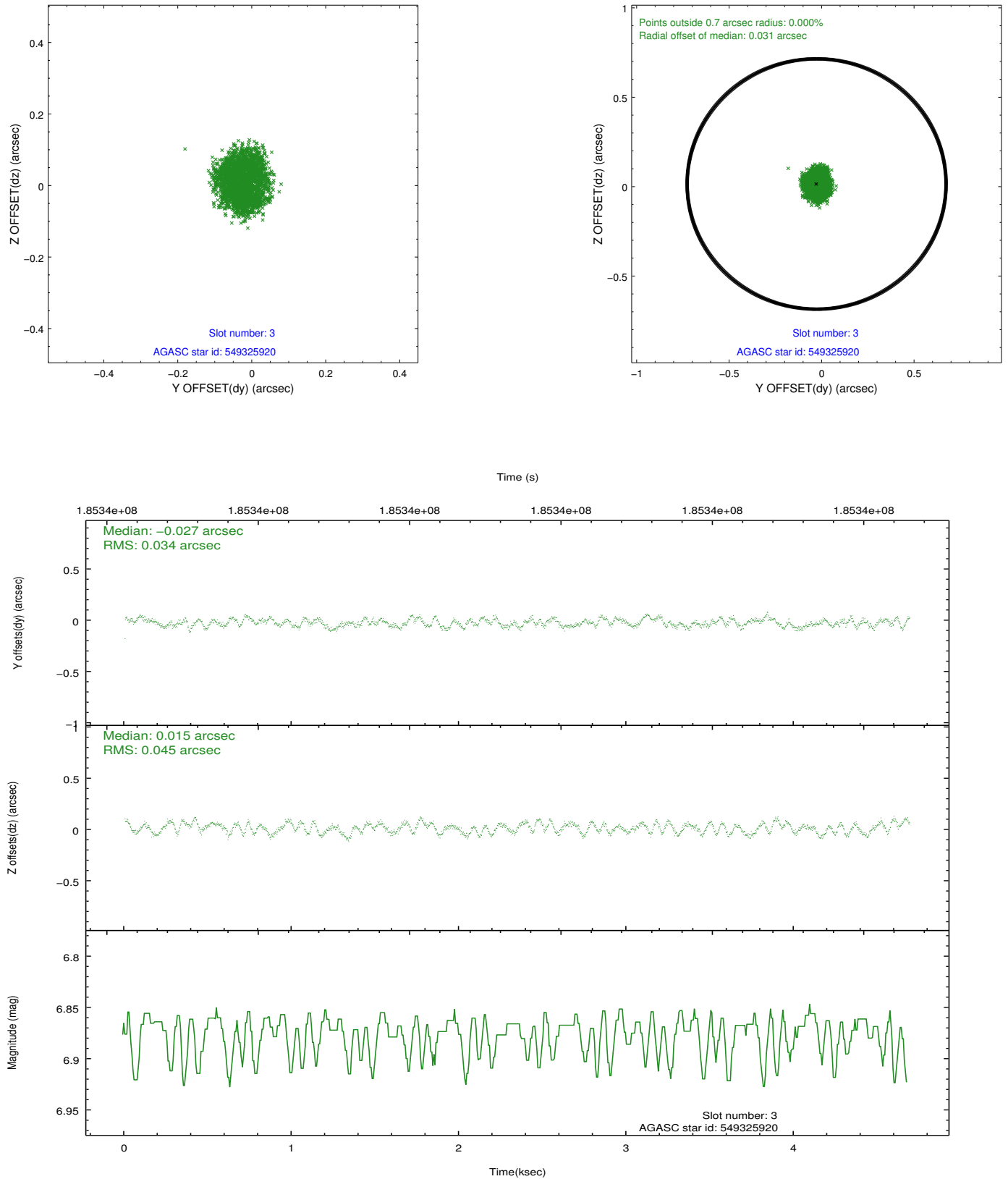


Slot Statistics

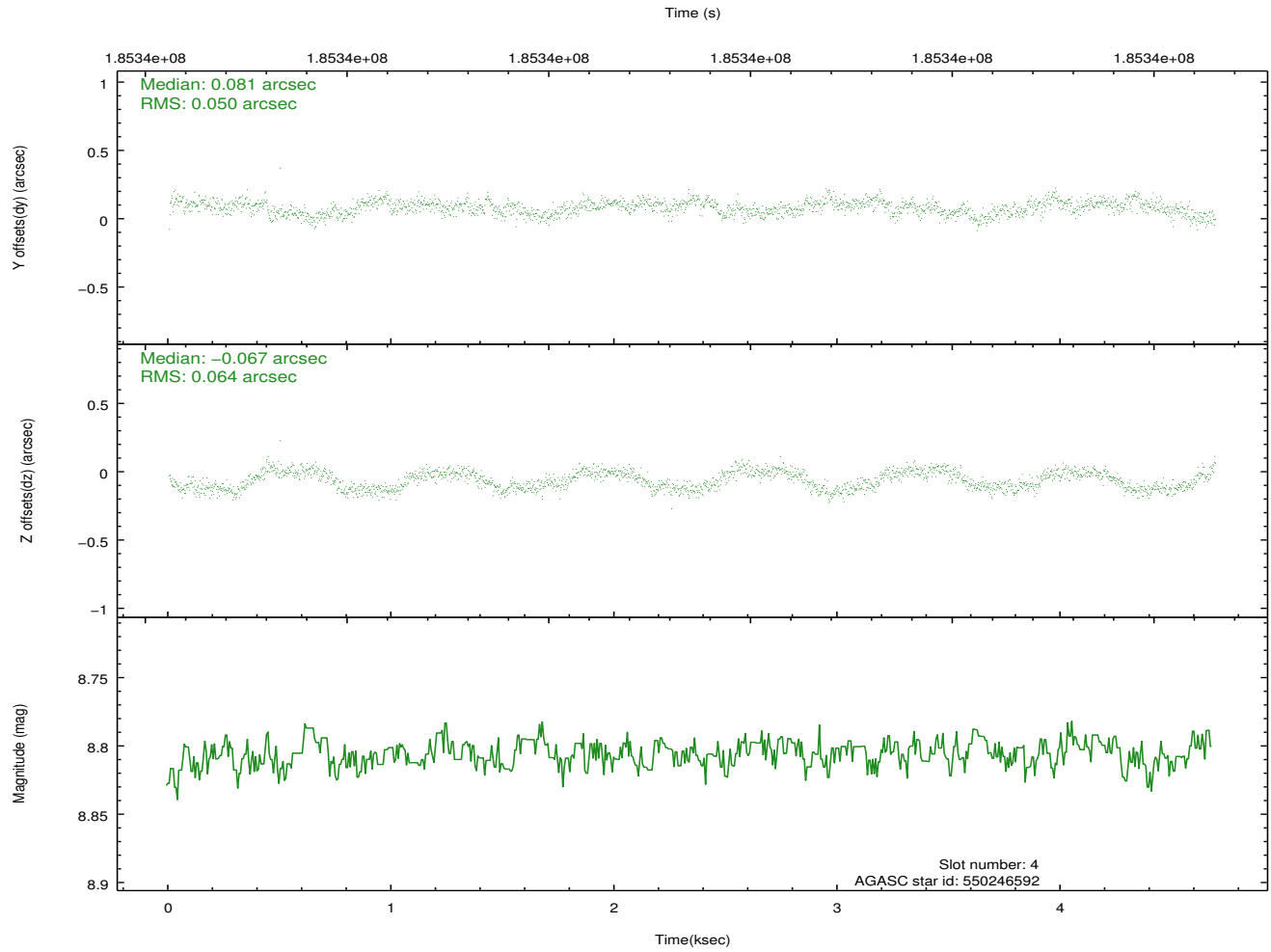
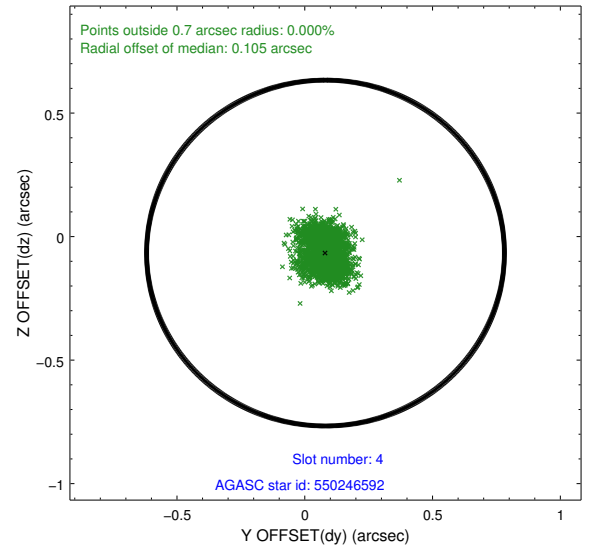
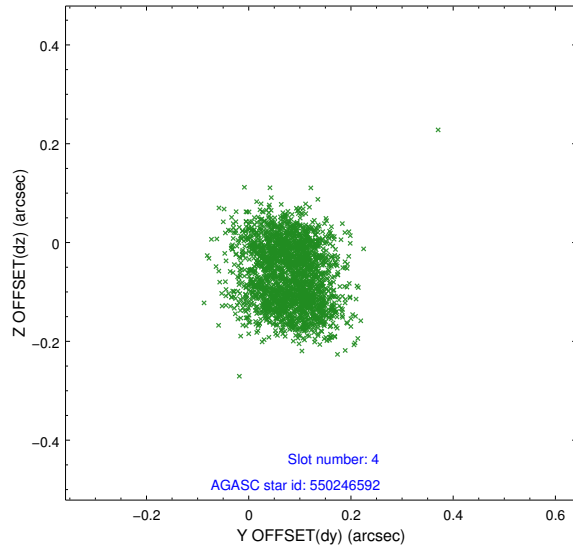
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.17	1144	0.034	-0.016	0.007	0.011	0.000000	0.000000	936.73	-1727.02
1	FID	ACIS-S-2	7.10	1144	-0.051	-0.018	0.006	0.010	0.000000	0.000000	-758.53	-1732.90
2	FID	ACIS-S-6	7.34	1144	-0.003	0.039	0.006	0.011	0.000000	0.000000	401.79	813.02
3	GUIDE	549325920	6.87	2287	-0.027	0.015	0.063	0.091	257.031396	61.159618	-2103.10	-1655.18
4	GUIDE	550246592	8.81	2288	0.081	-0.067	0.088	0.132	259.572185	61.134803	1898.98	205.81
5	GUIDE	549341112	7.40	2288	0.101	0.045	0.049	0.080	257.120048	61.364935	-2275.71	-920.52
6	GUIDE	550249320	8.39	2288	-0.096	0.160	0.066	0.111	259.166381	60.646604	2064.77	-1682.22
7	GUIDE	550243920	9.64	2284	-0.055	-0.150	0.122	0.189	259.481082	61.827180	622.79	2351.51

2.4 Star Slots

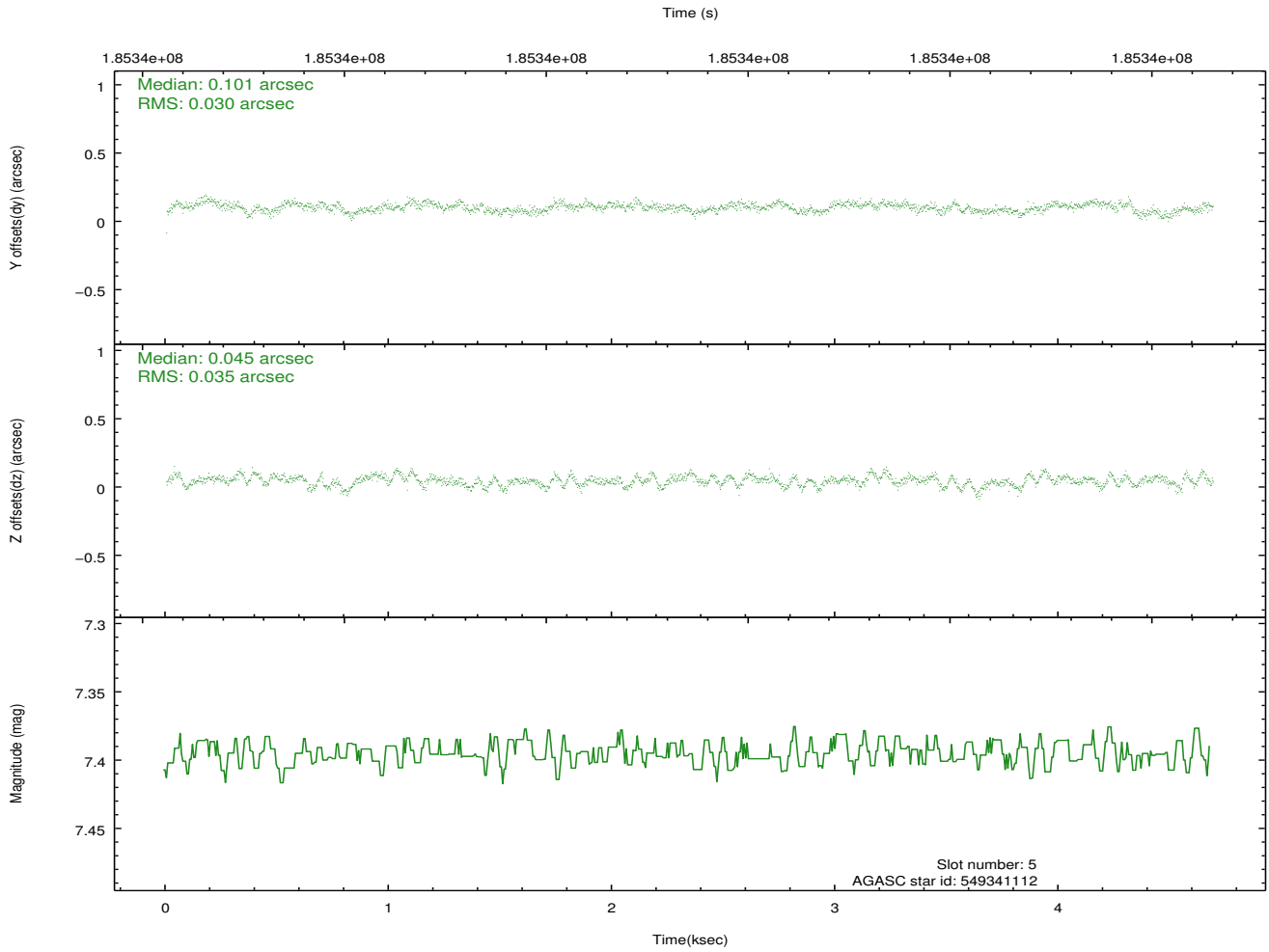
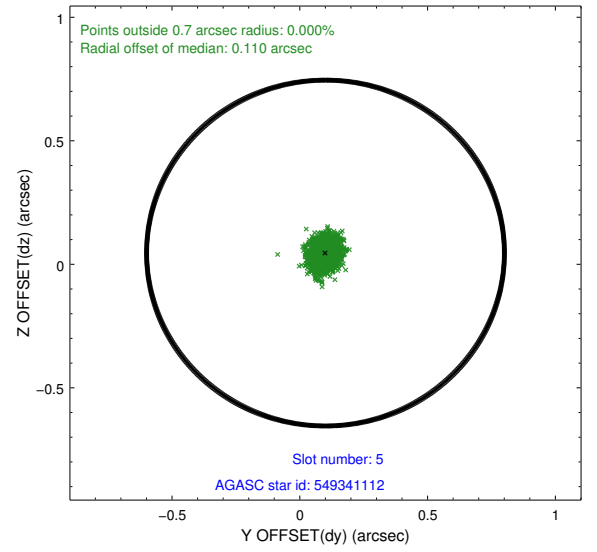
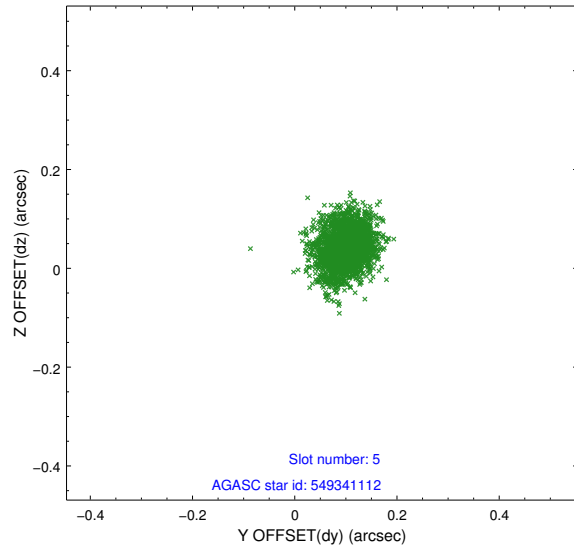
2.4.1 Slot 3



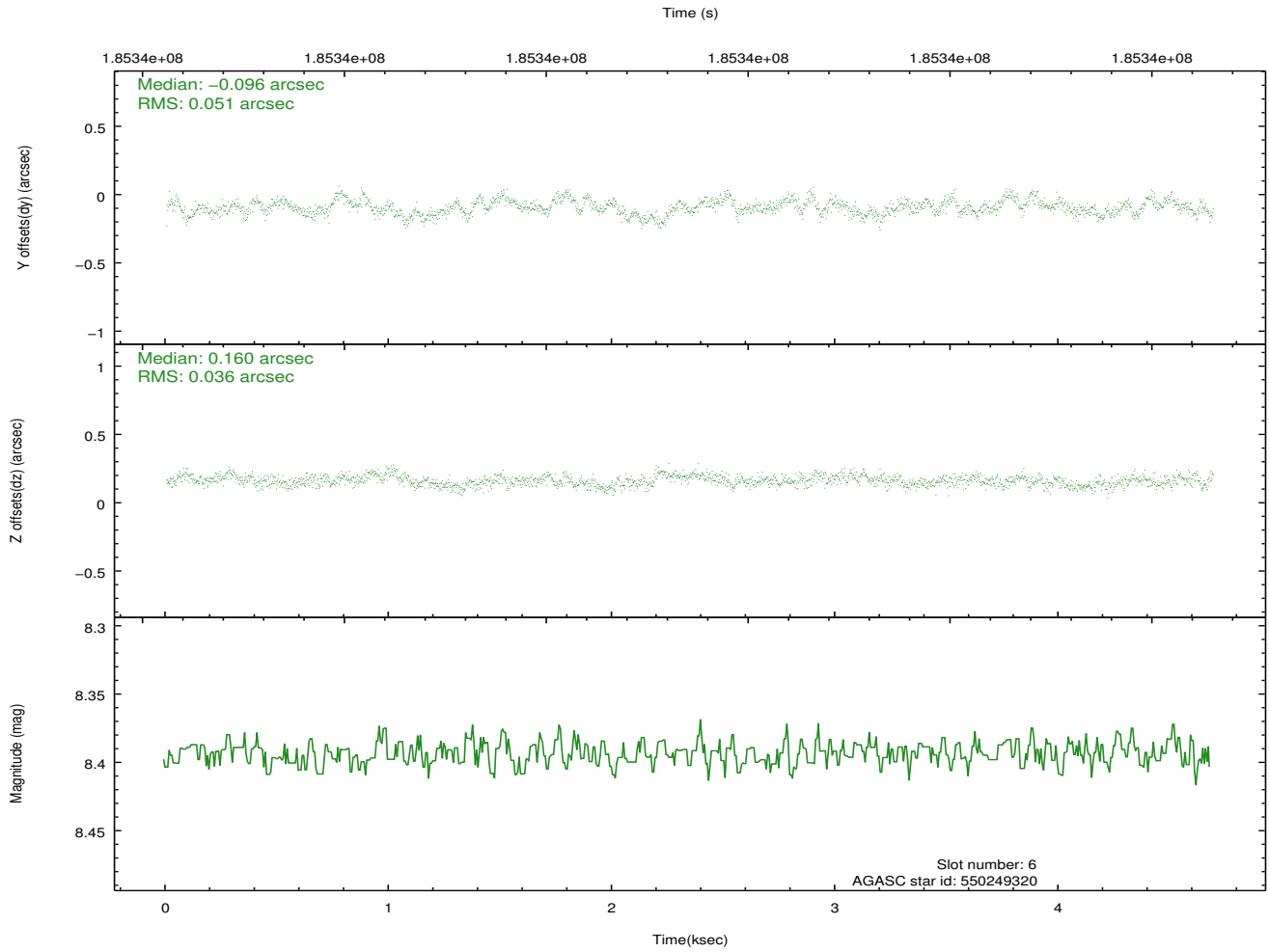
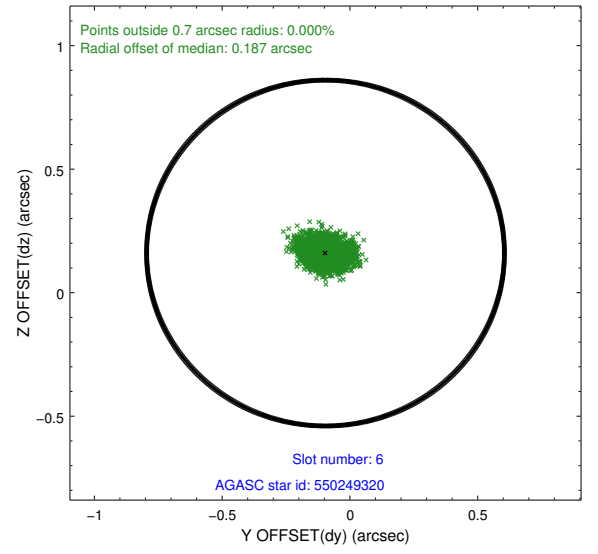
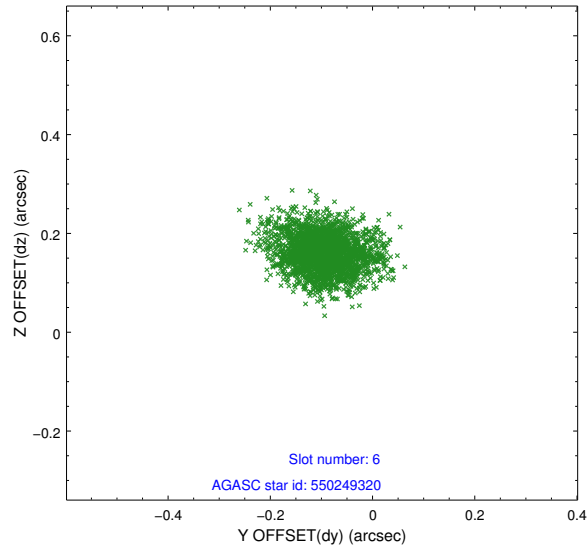
2.4.2 Slot 4



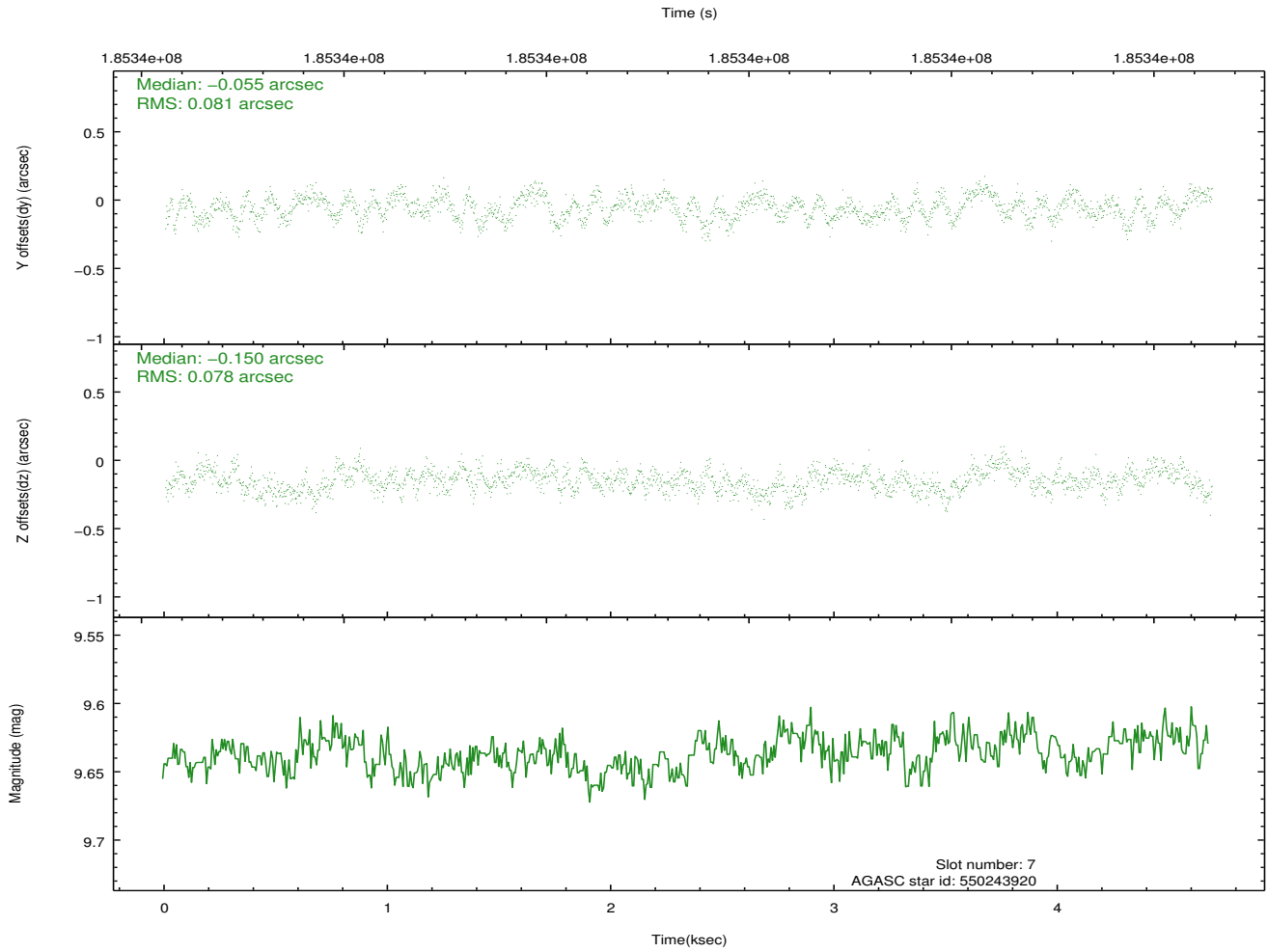
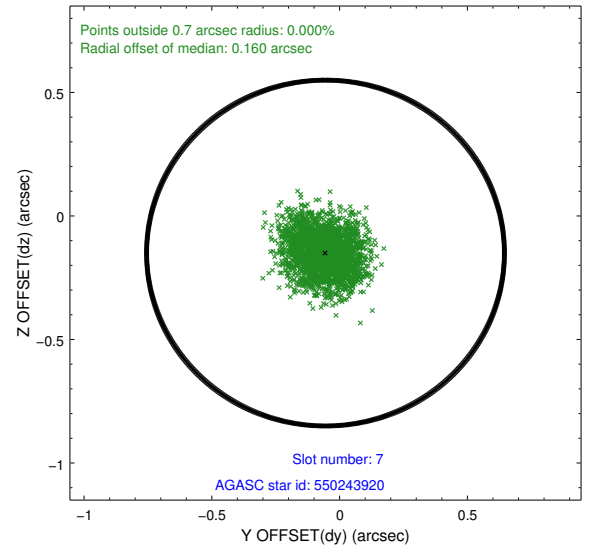
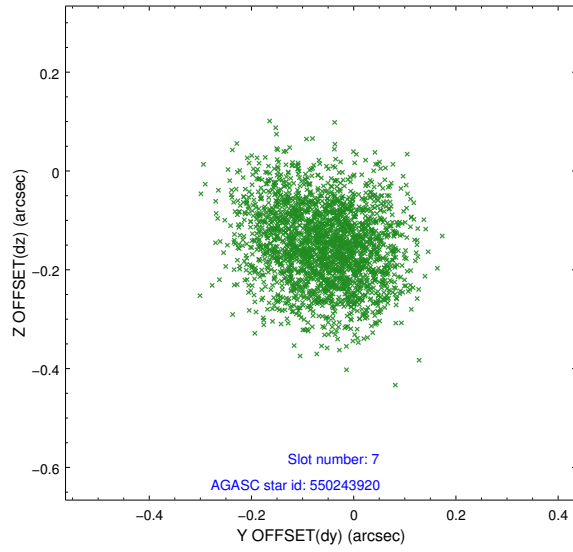
2.4.3 Slot 5



2.4.4 Slot 6

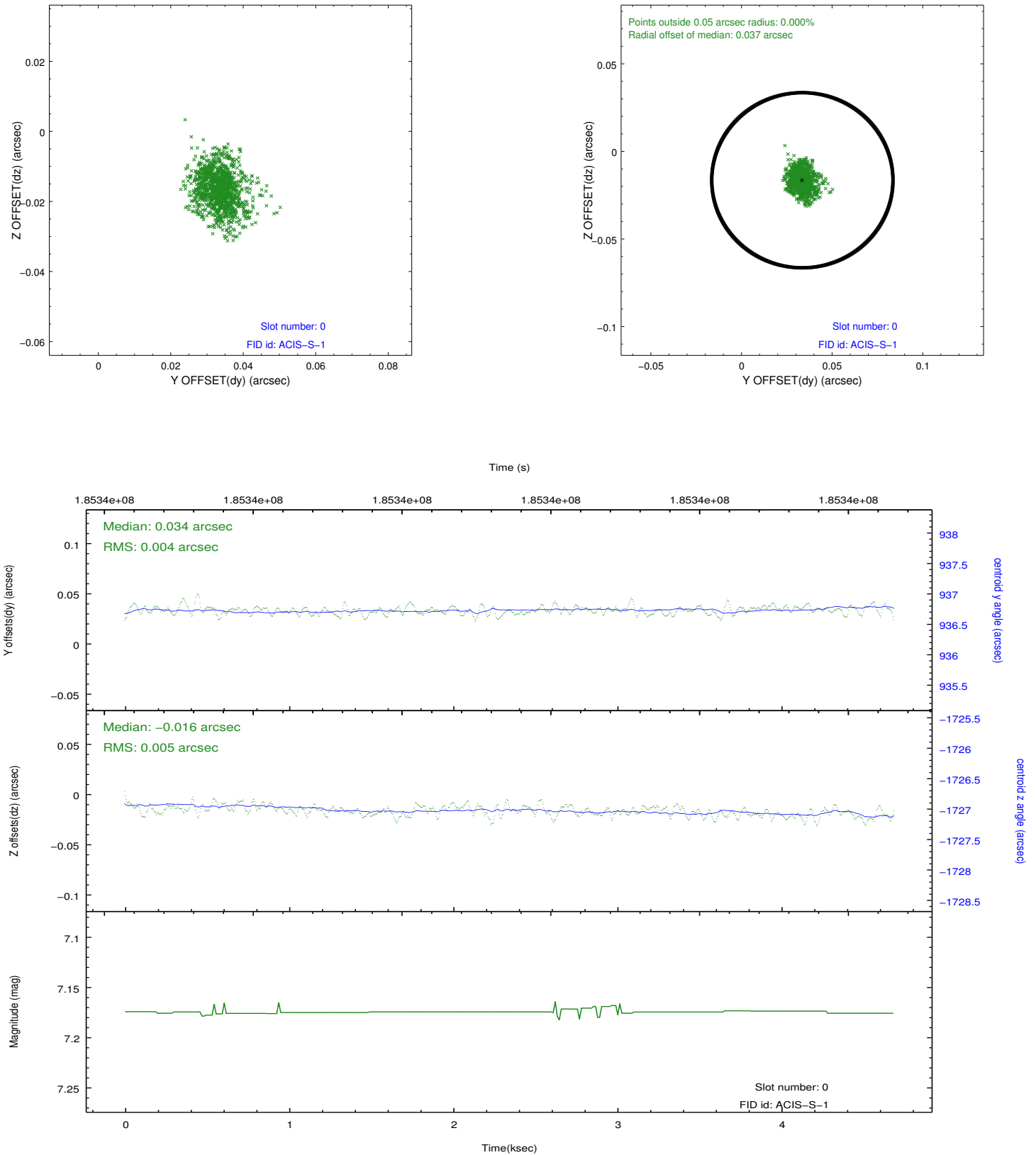


2.4.5 Slot 7

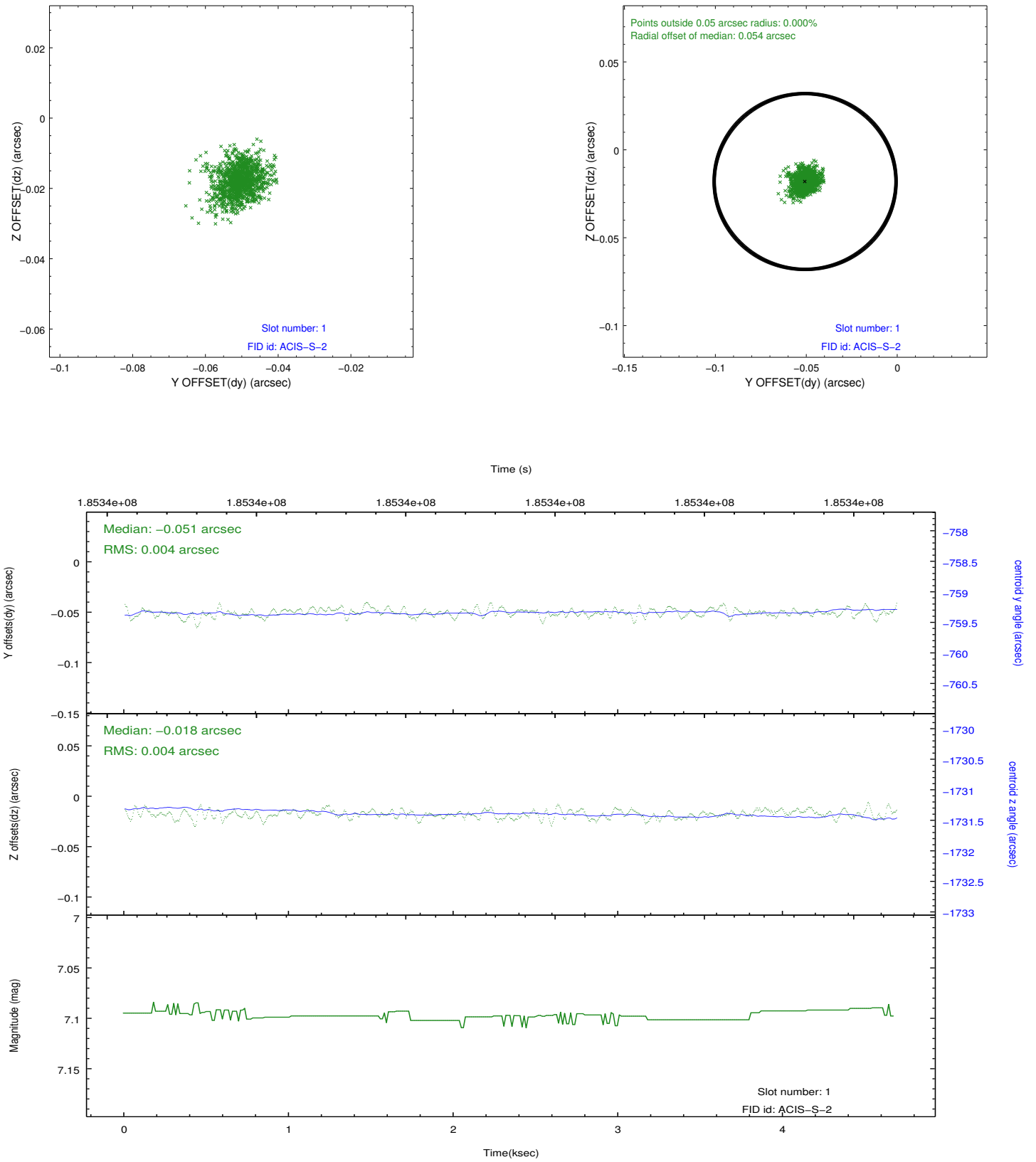


2.5 FID Slots

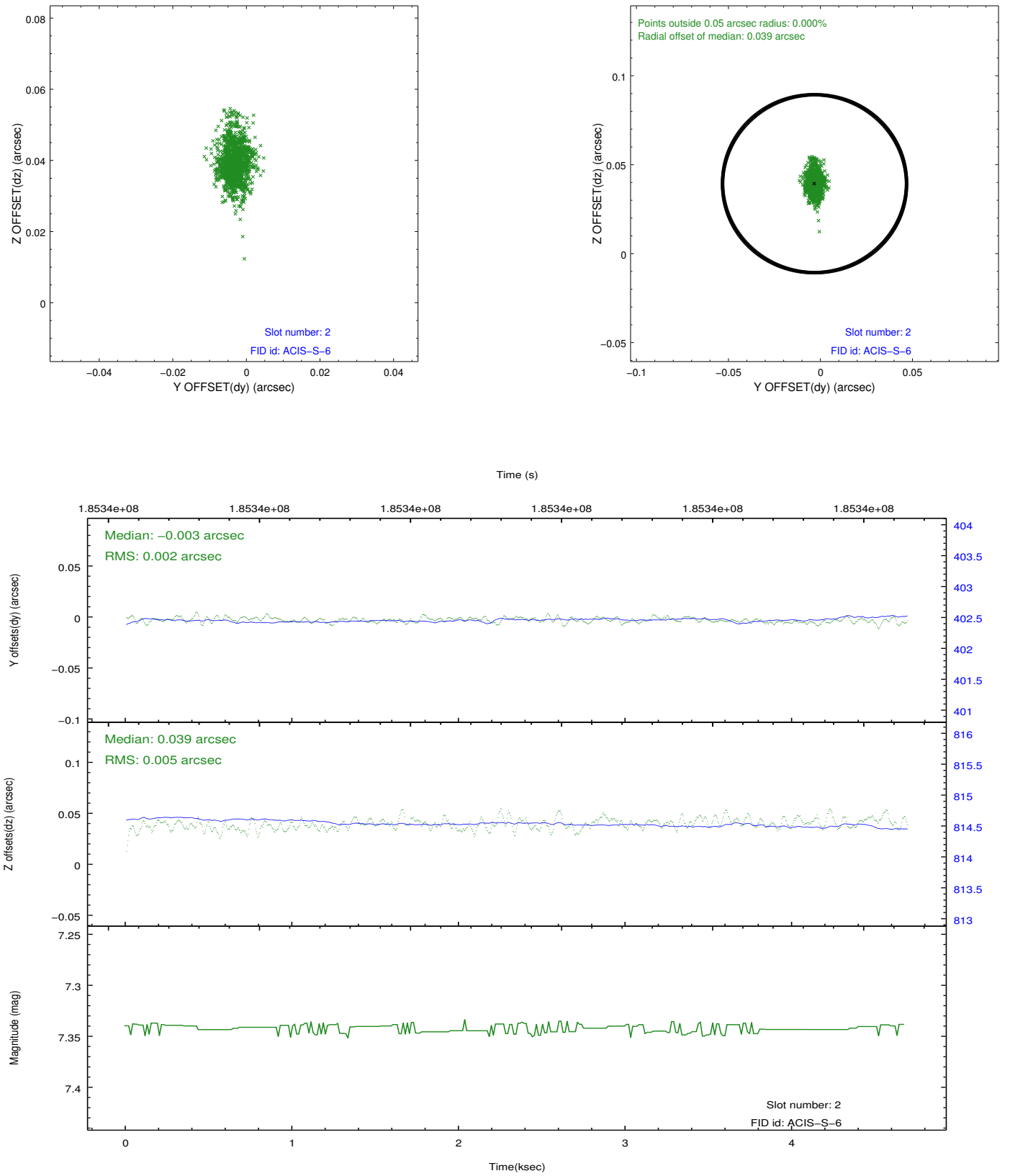
2.5.1 Slot 0



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)	2012.11.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.681

A.2 Comments