

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9159 - L2 Version 2
Chandra X-Ray Center

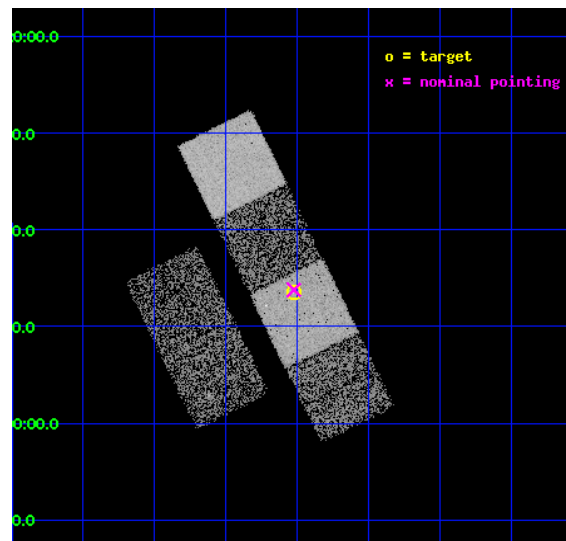
L2 Processing Date : May 5 2012

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1 Front

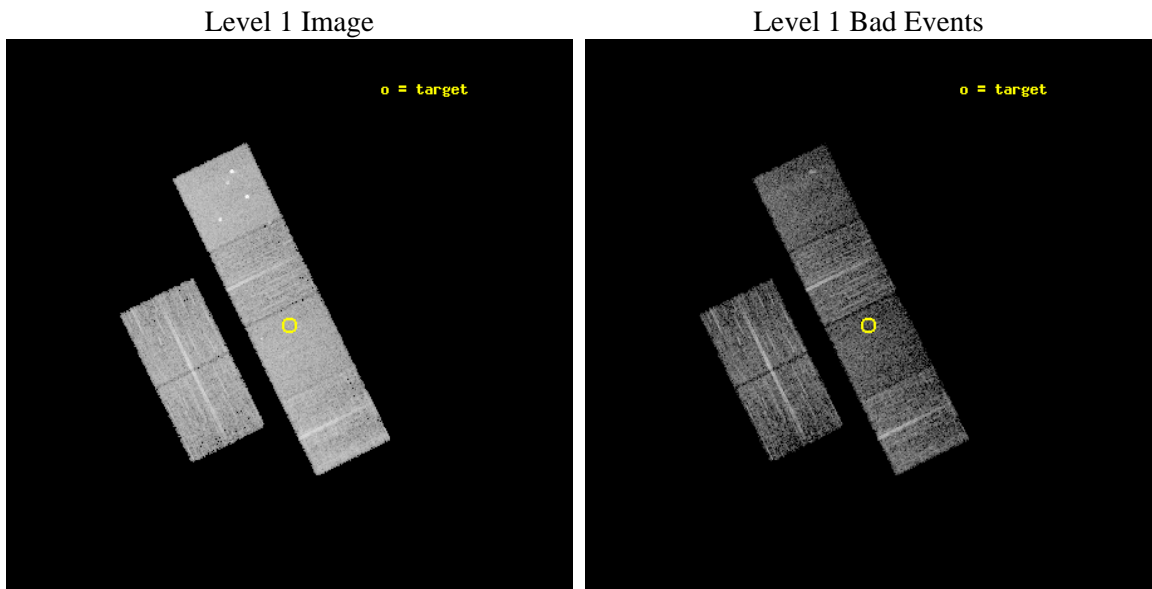
seq_num	701601	Sequence number
obs_id	9159	Observation id
title	Chandra ACIS Snapshots of the Brightest Radio-Loud Broad Absorption Line Quasars in the SDSS	Proposal title
observer	Professor Gordon Garmire	Principal investigator
object	SDSS J133701.39-024630.3	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	204.255833	Observer's specified target RA [deg]
dec_targ	-2.775111	Observer's specified target Dec [deg]
ra_nom	204.25535511152	Nominal RA [deg]
dec_nom	-2.7702388218875	Nominal Dec [deg]
roll_nom	63.841522341666	Nominal Roll [deg]
revision	2	Processing version of data
ontime	4751.999982357	Sum of GTIs [s]
livetime	4691.8272972696	Livetime [s]
ontime2	4751.999982357	Sum of GTIs [s]
ontime3	4751.999982357	Sum of GTIs [s]
ontime5	4751.999982357	Sum of GTIs [s]
ontime6	4751.999982357	Sum of GTIs [s]
ontime7	4751.999982357	Sum of GTIs [s]
ontime8	4751.999982357	Sum of GTIs [s]
l2events	58702	Number of level 2 events



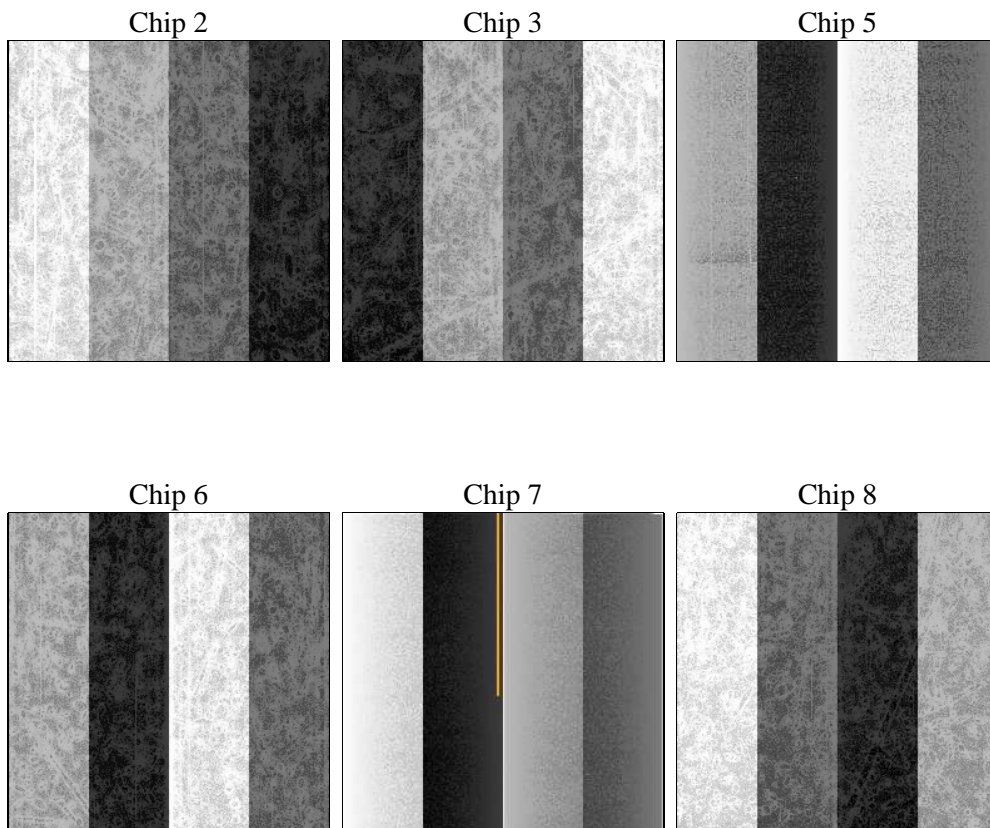
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4712.255000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	4751.999982357	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	4751.999982357	Sum of GTIs [s]
date	2012-05-05T22:01:00	Date and time of file creation	ontime3	4751.999982357	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	4751.999982357	Sum of GTIs [s]
			ontime6	4751.999982357	Sum of GTIs [s]
			ontime7	4751.999982357	Sum of GTIs [s]
			ontime8	4751.999982357	Sum of GTIs [s]
			l1events	269183	Number of level 1 events

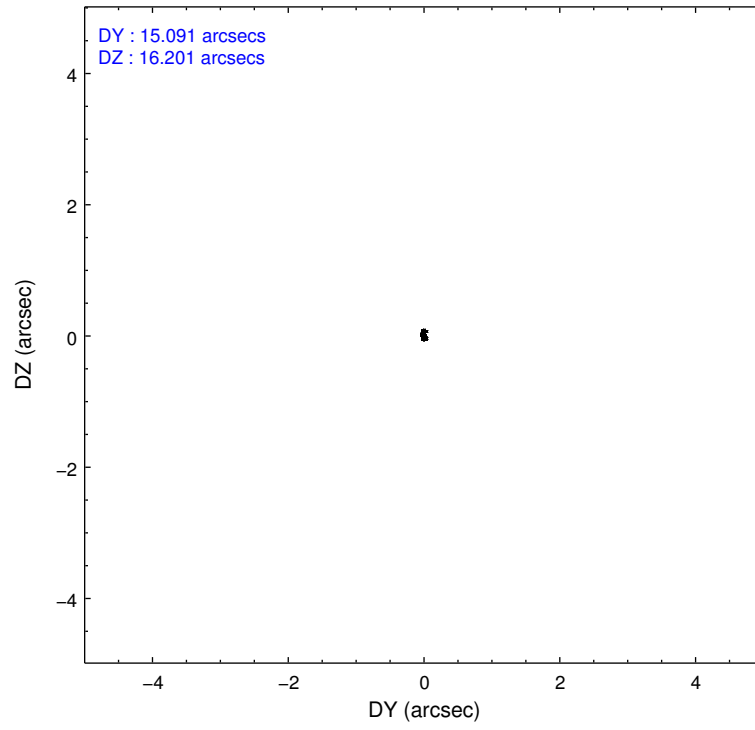
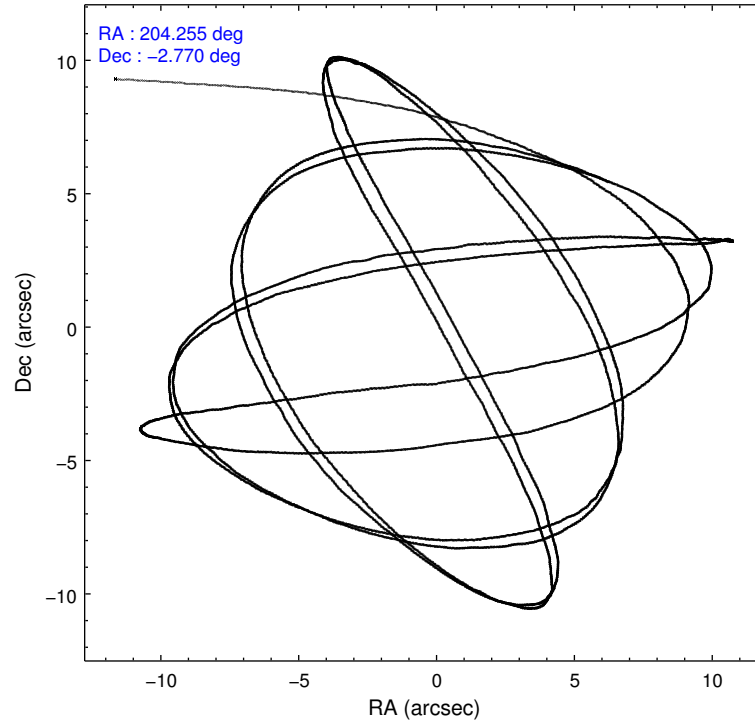
2.1.4 Events

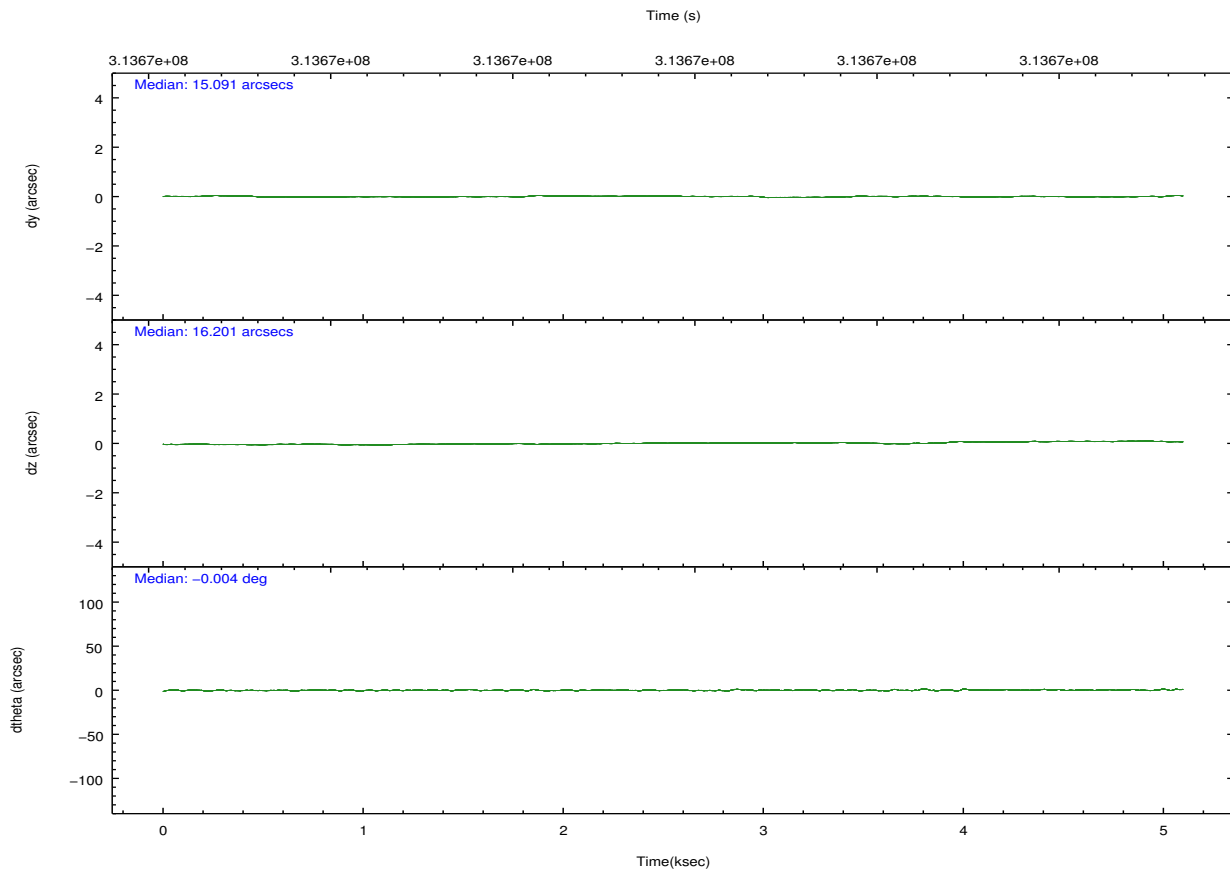
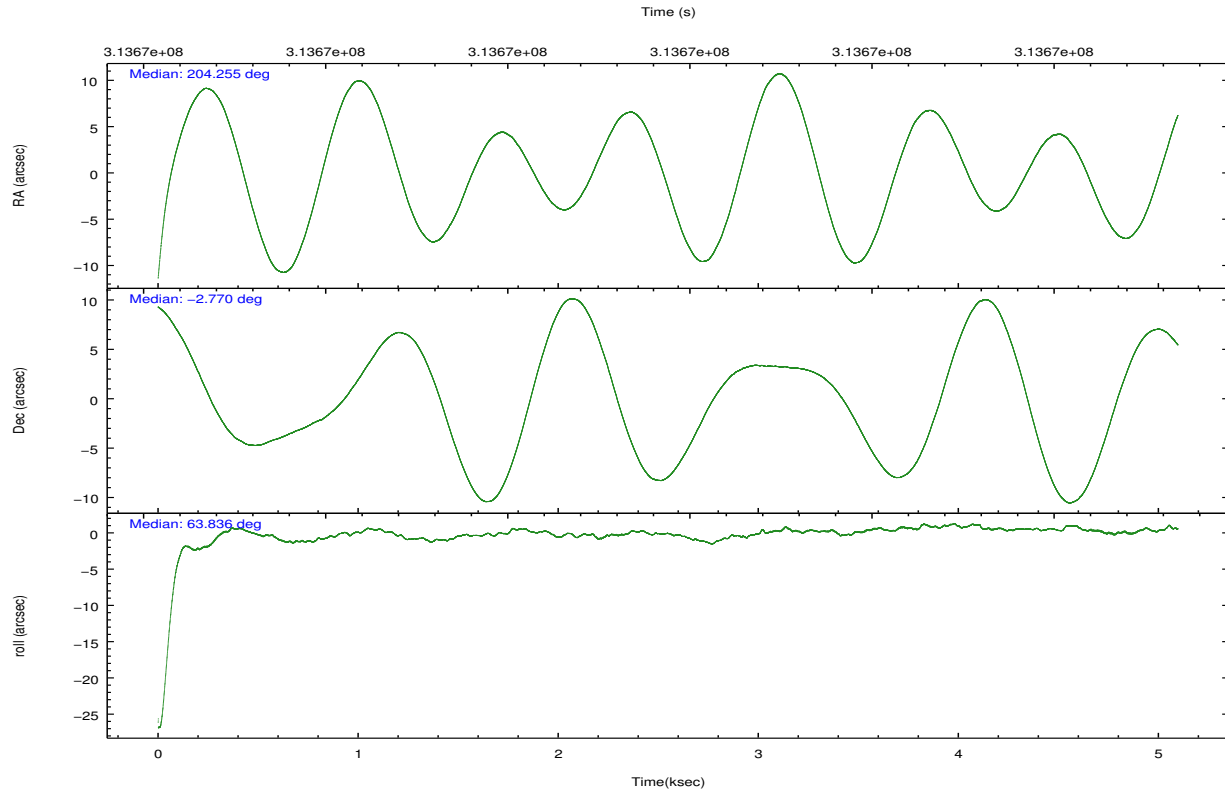
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	40618	37655	56829	40241	44118	49722	grade 0 events	1322	1284	4080	1473	1958	3701
rejected events	36841	34077	27744	36180	24245	37718		3%	3%	7%	3%	4%	7%
rejected %	90%	90%	48%	89%	54%	75%	grade 1 events	28	23	193	24	60	45
								0%	0%	0%	0%	0%	0%
							grade 2 events	926	760	8281	909	4058	2794
								2%	2%	14%	2%	9%	5%
							grade 3 events	432	411	1180	425	1805	1252
								1%	1%	2%	1%	4%	2%
							grade 4 events	400	407	1125	437	1826	1213
								0%	1%	1%	1%	4%	2%
							grade 5 events	1302	1570	4317	1578	4643	2202
								3%	4%	7%	3%	10%	4%
							grade 6 events	698	719	14442	818	10245	3050
								1%	1%	25%	2%	23%	6%
							grade 7 events	35510	32481	23211	34577	19523	35465
								87%	86%	40%	85%	44%	71%

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	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	204.257575	204.2553551115212	CCD I2 on	O1	Y
[deg] Pointing Dec	-2.797535	-2.770238821887539	CCD I3 on	O2	Y
[deg] Pointing Roll	63.685072	63.84152234166628	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O3	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	313666721.184000	313665599.03756	CCD S5 on	N	N
Observation start date	2007-12-10T09:37:36	2007-12-10T09:19:59	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	313671434.184000	313671658.32535	On-chip summing requested	N	N
Observation end date	2007-12-10T10:56:09	2007-12-10T11:00:58	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



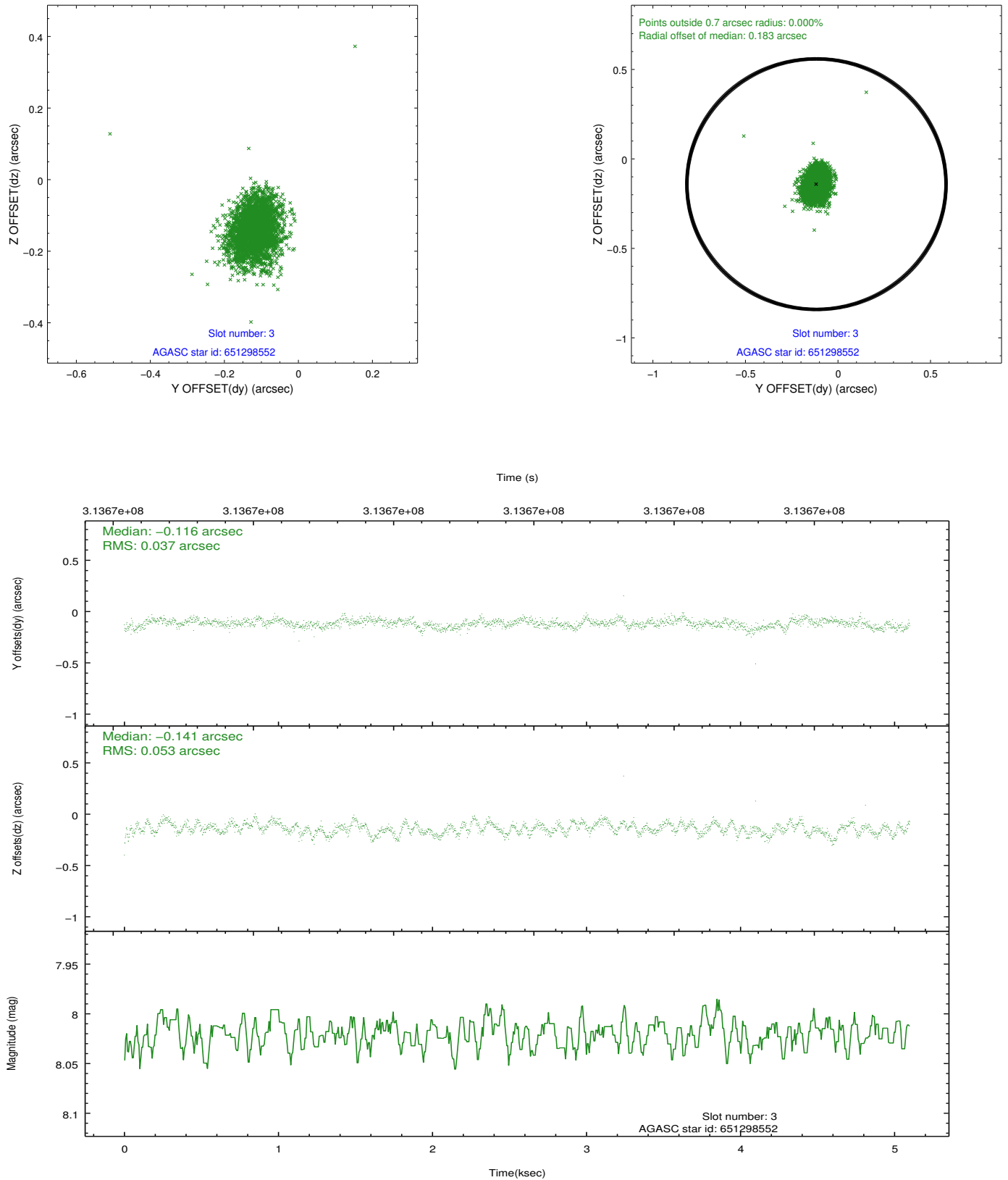


Slot Statistics

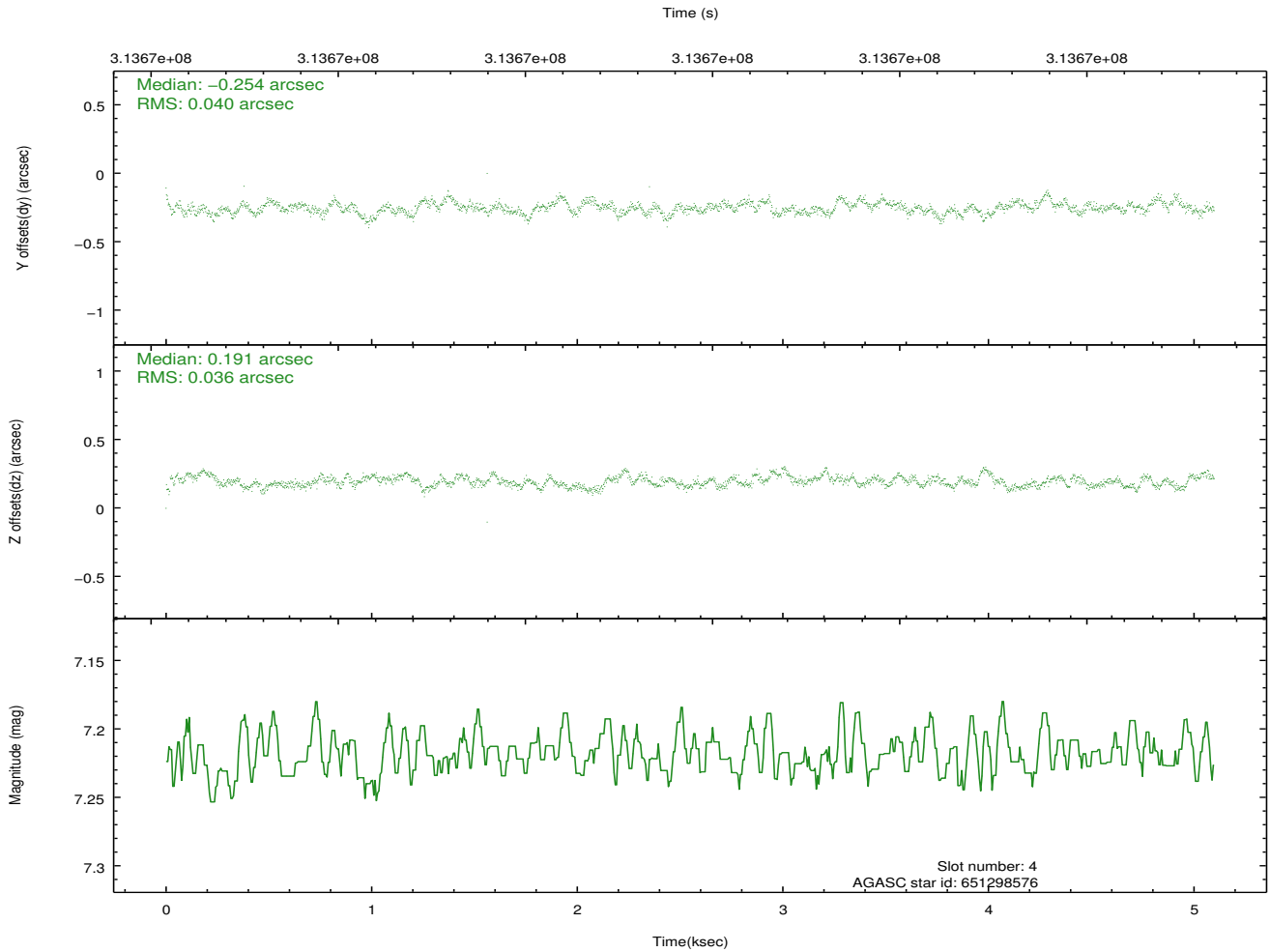
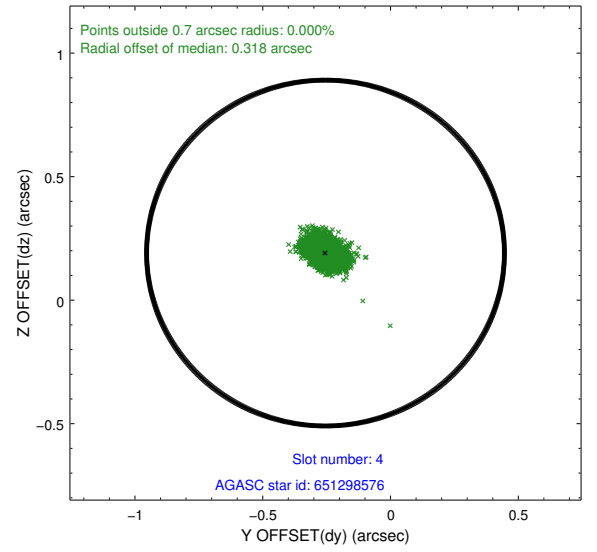
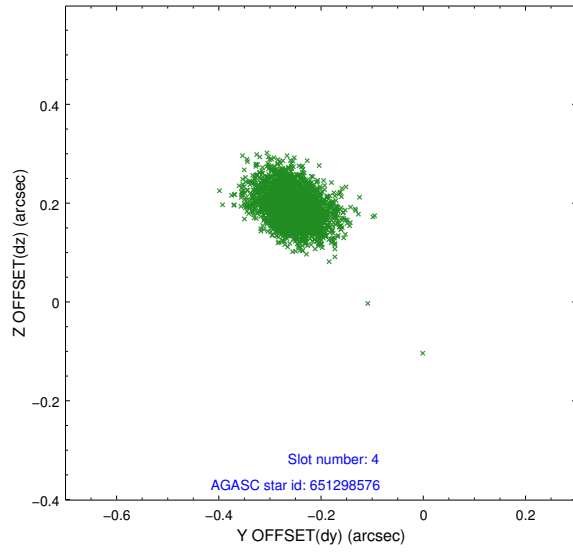
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1244	-0.088	-0.035	0.006	0.011	0.000000	0.000000	-768.16	-1737.60
1	FID	ACIS-S-4	7.19	1243	0.190	0.052	0.006	0.012	0.000000	0.000000	2144.86	169.72
2	FID	ACIS-S-5	7.22	1244	-0.132	-0.008	0.006	0.011	0.000000	0.000000	-1819.51	164.71
3	GUIDE	651298552	8.02	2487	-0.116	-0.141	0.066	0.110	204.144026	-2.516452	725.83	814.64
4	GUIDE	651298576	7.22	2488	-0.254	0.191	0.056	0.094	204.726602	-2.530693	1608.98	-1085.44
5	GUIDE	651298584	9.08	2485	0.170	-0.052	0.084	0.139	203.952912	-2.721288	-238.90	1102.99
6	GUIDE	651300472	9.80	2480	0.227	-0.140	0.117	0.199	204.029211	-2.932538	-799.42	520.67
7	GUIDE	651299880	9.13	2485	-0.024	0.135	0.085	0.145	204.618880	-2.569265	1312.36	-800.22

2.4 Star Slots

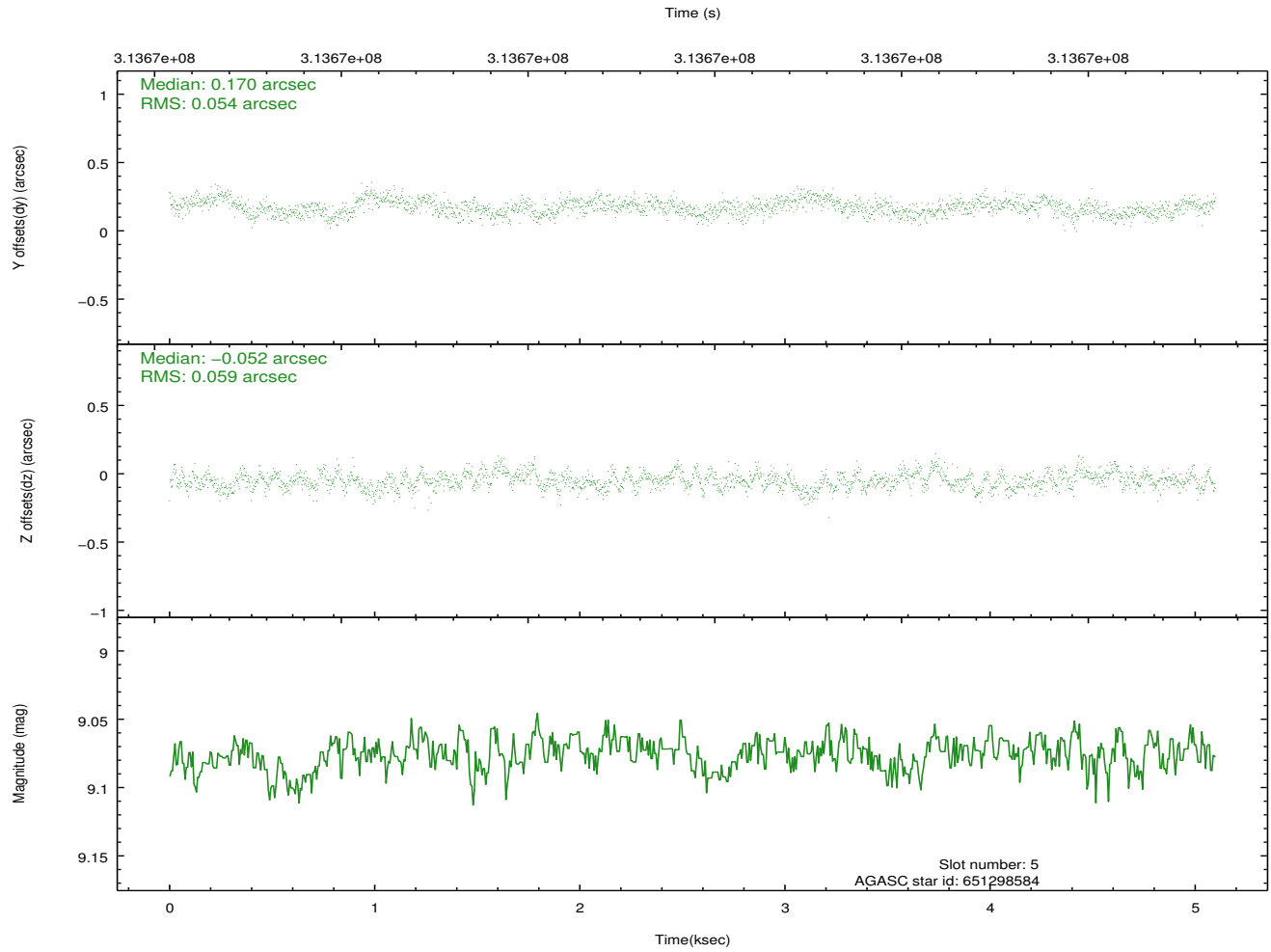
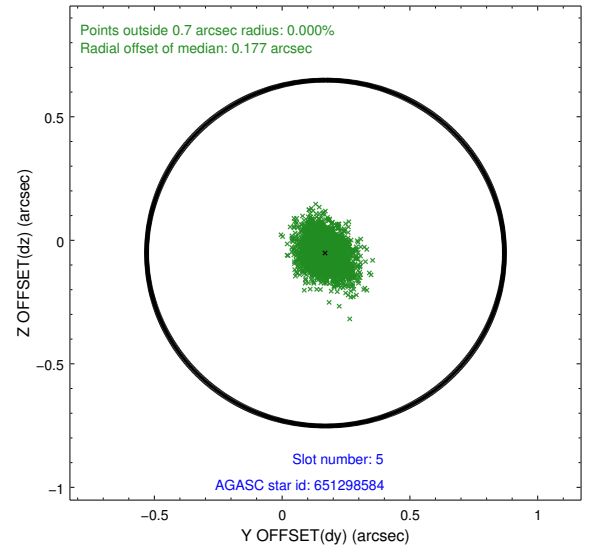
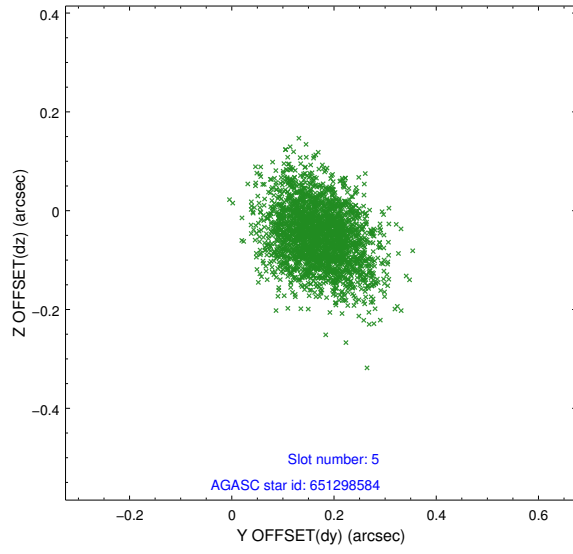
2.4.1 Slot 3



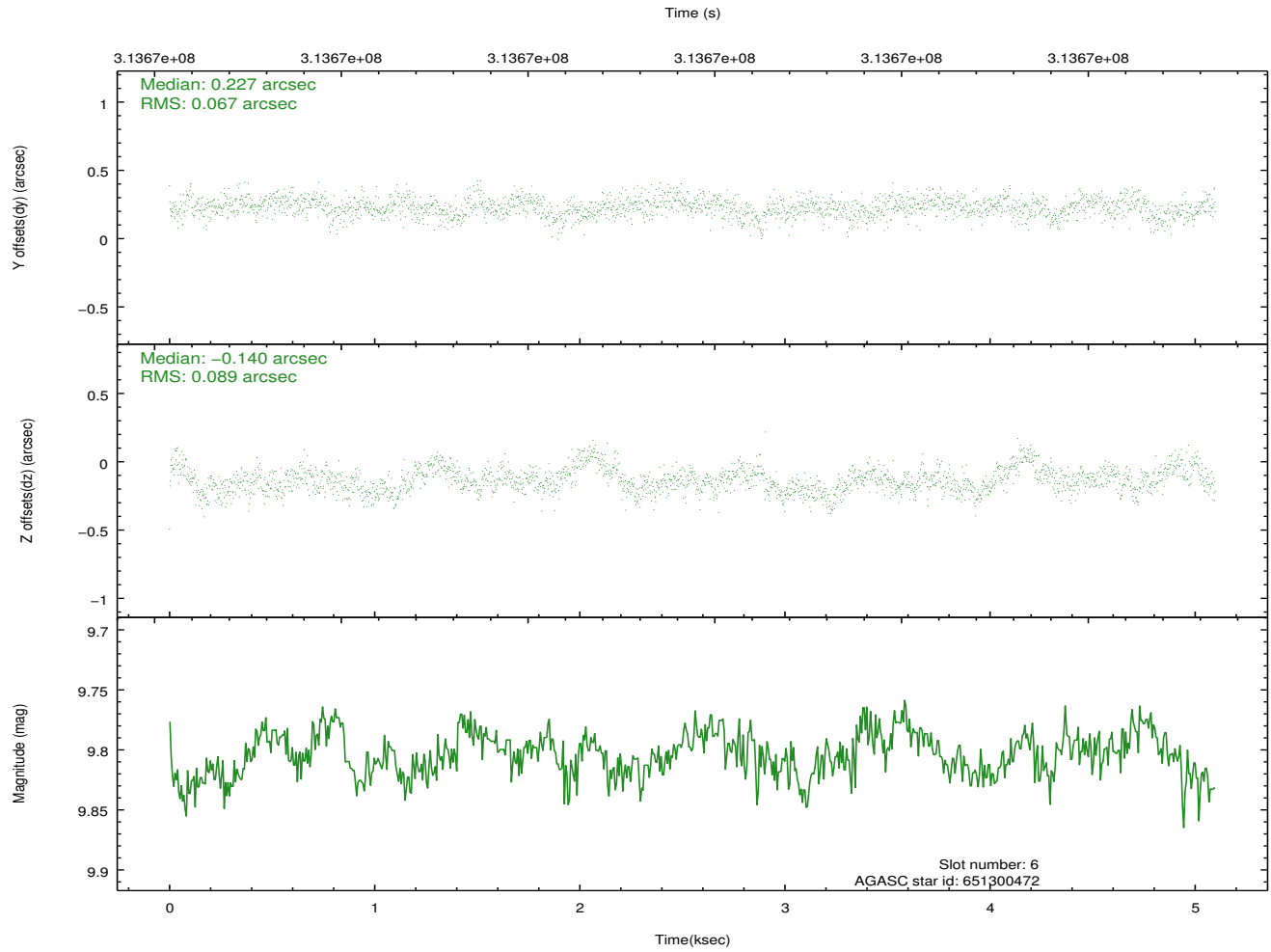
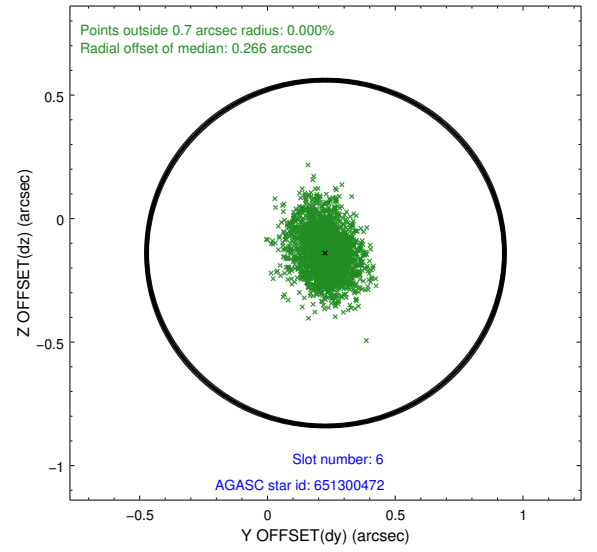
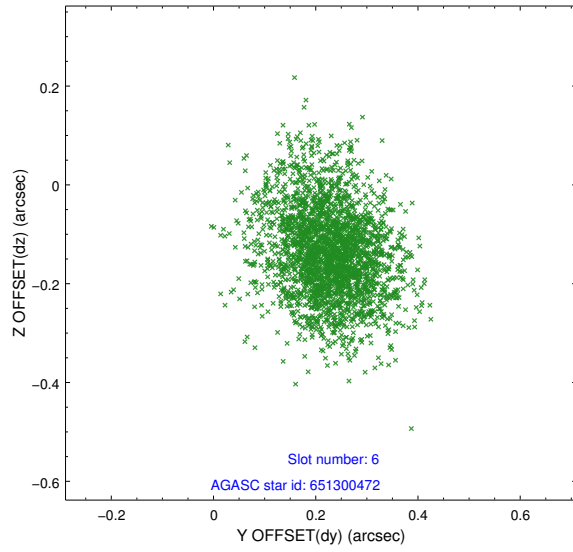
2.4.2 Slot 4



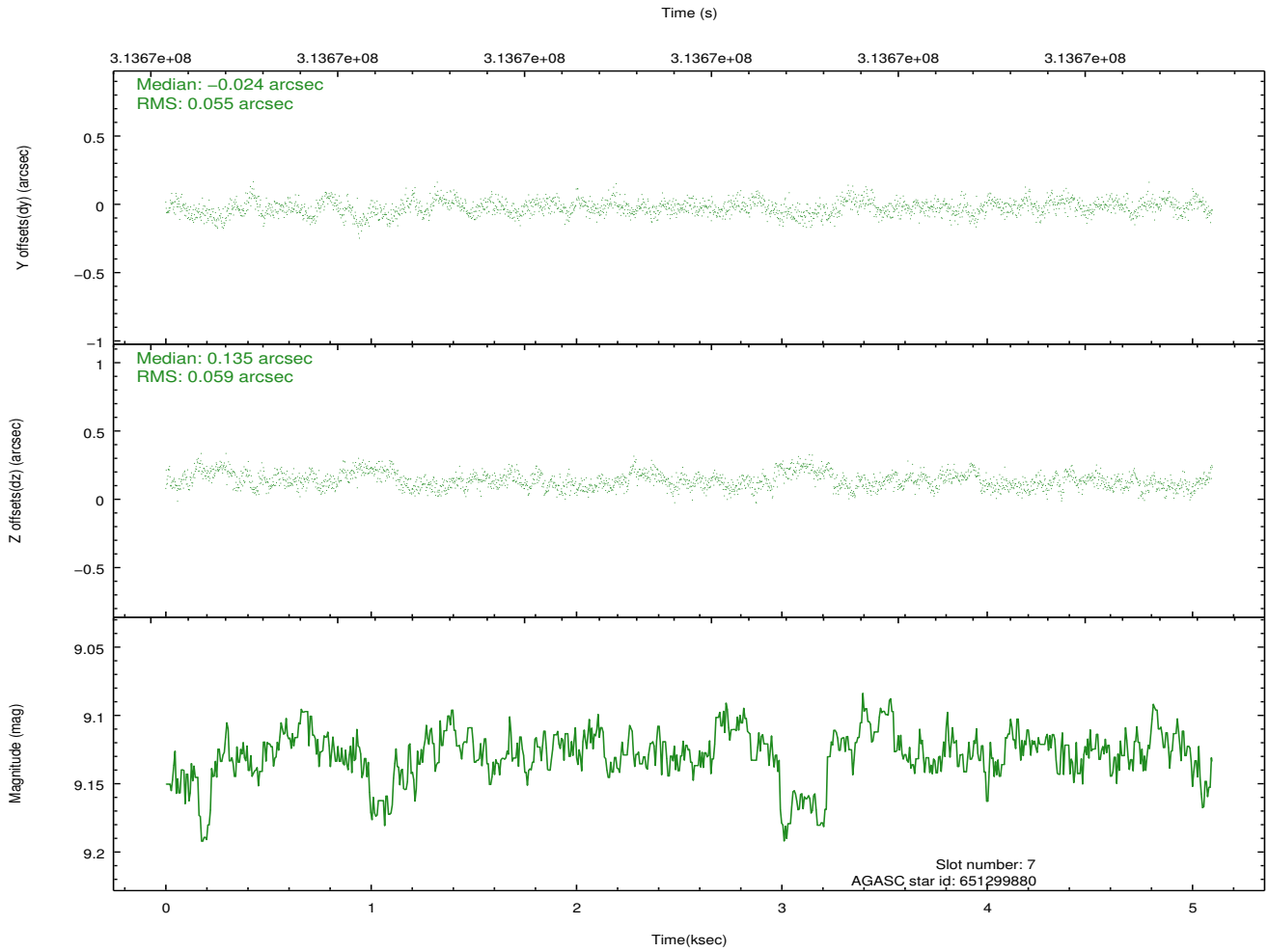
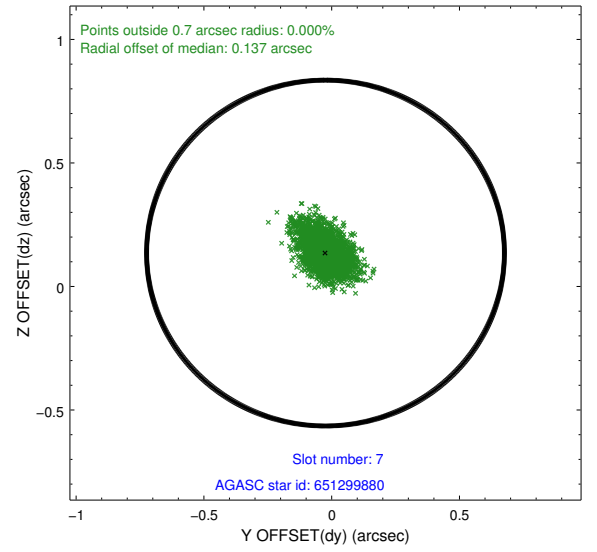
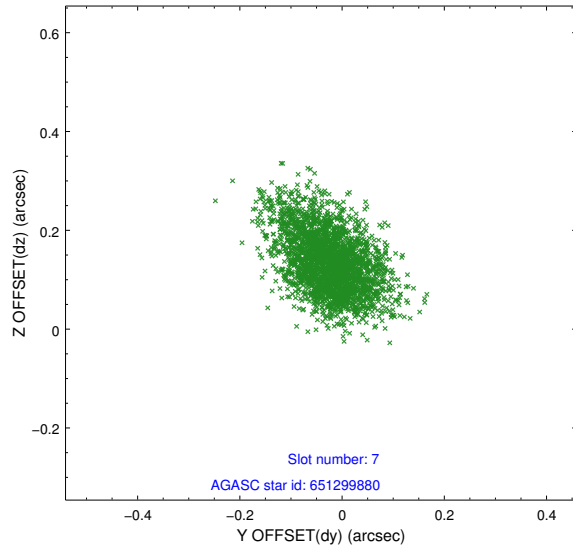
2.4.3 Slot 5



2.4.4 Slot 6

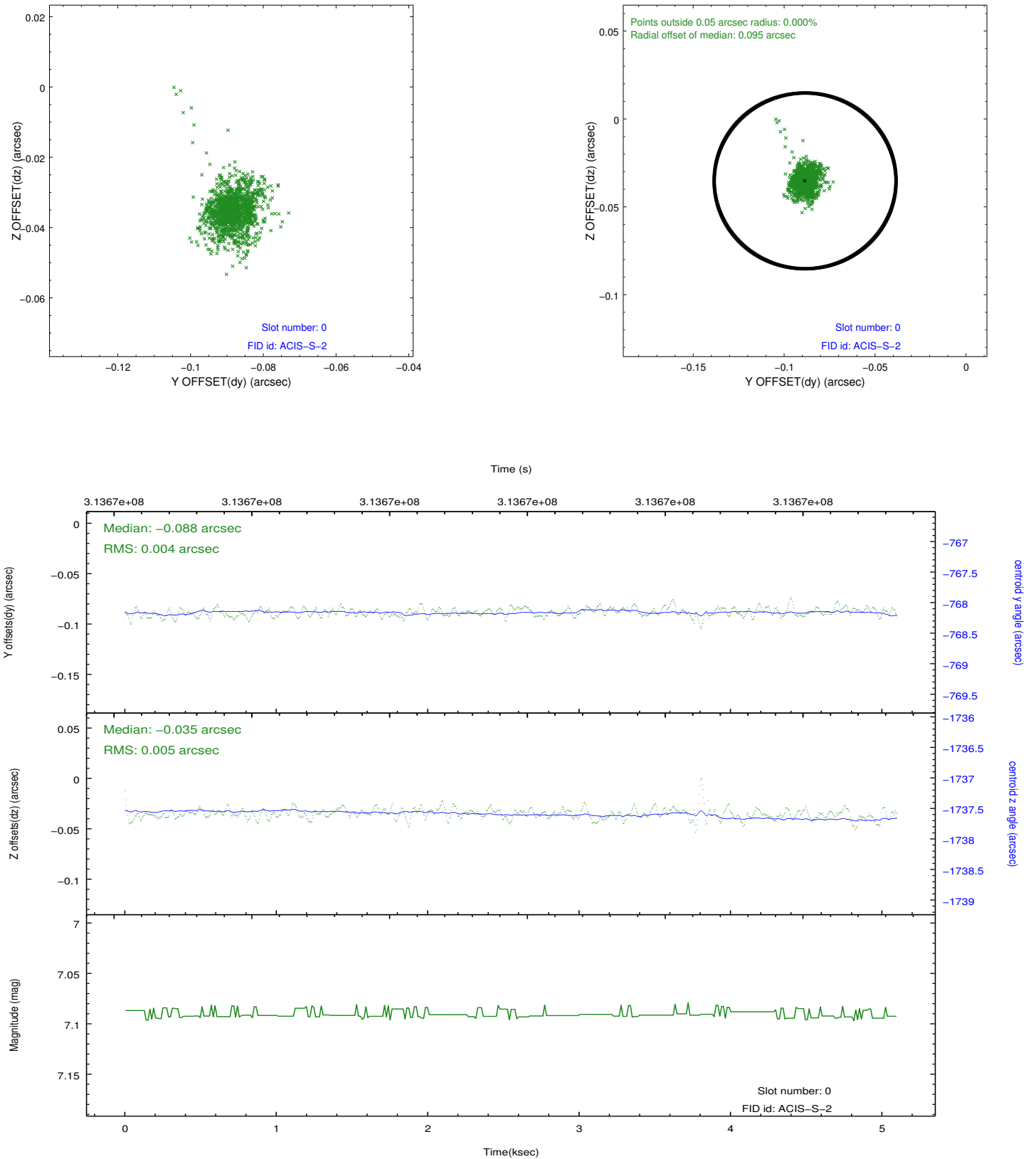


2.4.5 Slot 7

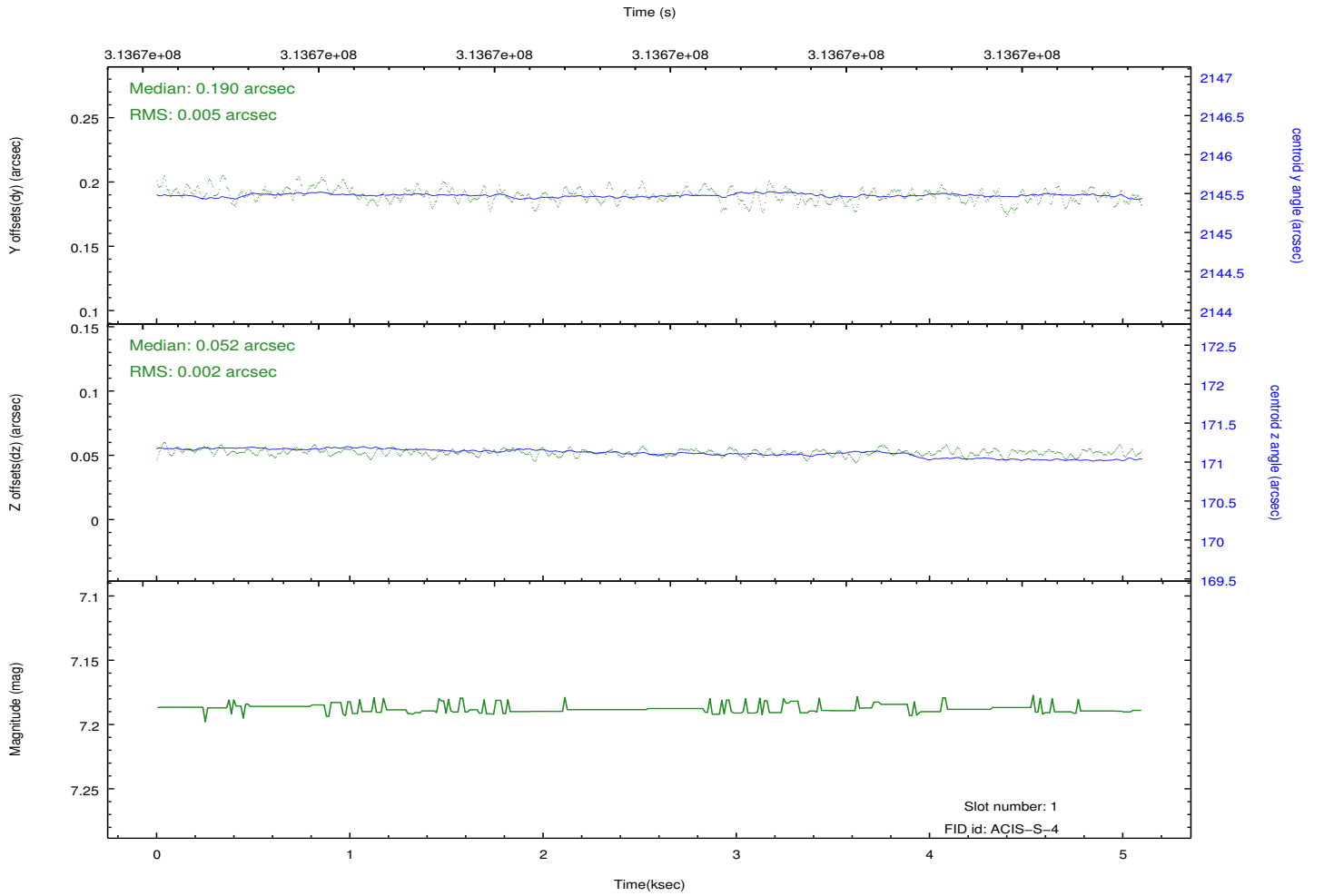
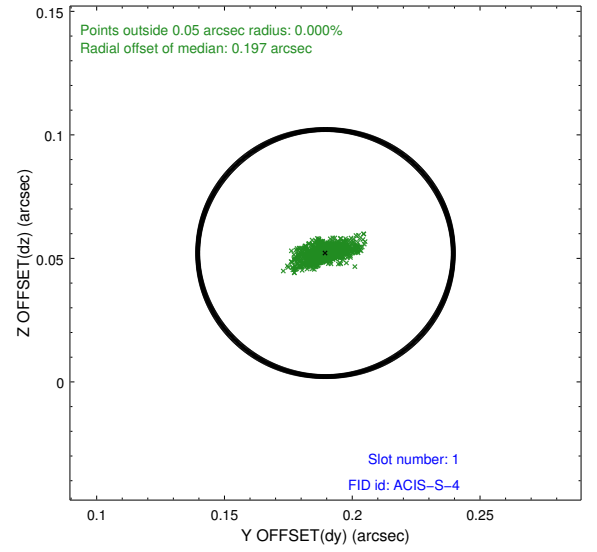
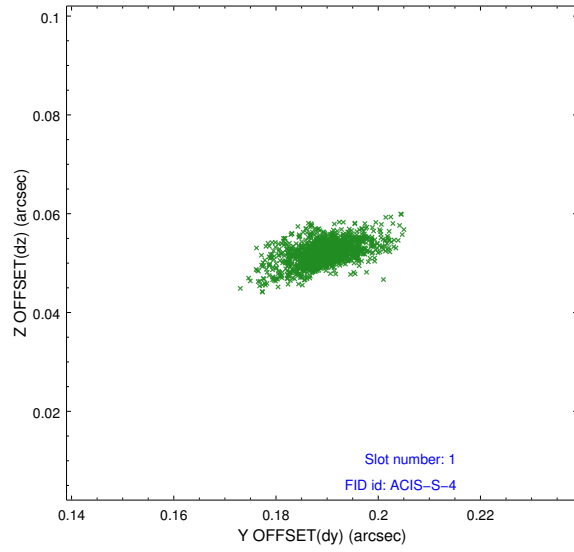


2.5 FID Slots

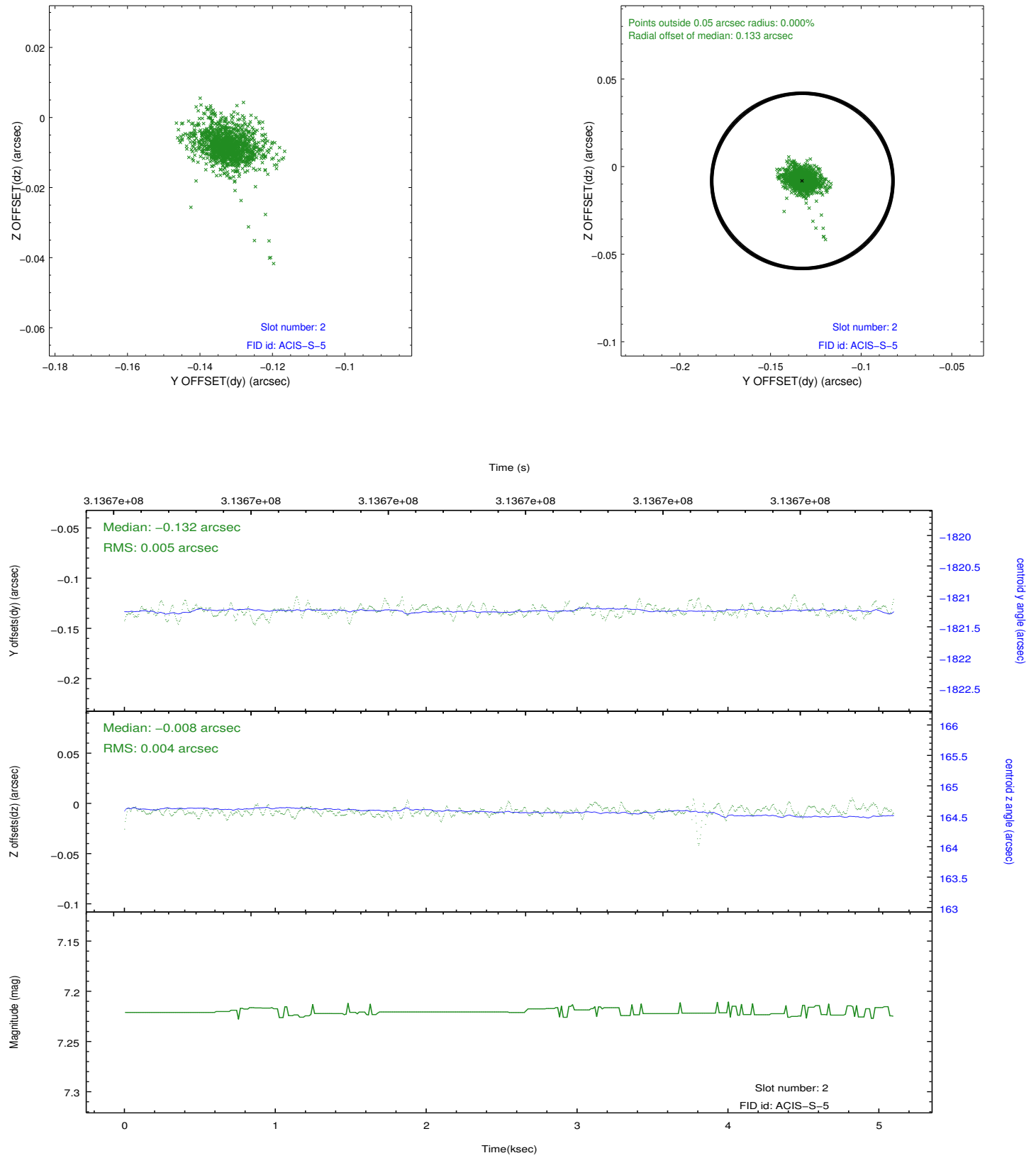
2.5.1 Slot 0



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)	2012.05.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.75199998

A.2 Comments