

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11347 - L2 Version 2
Chandra X-Ray Center

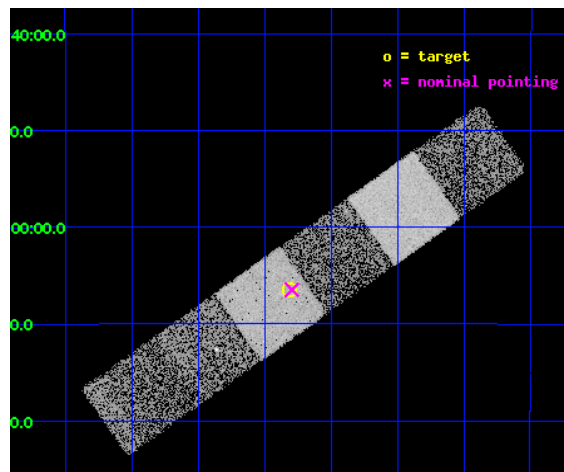
L2 Processing Date : Jun 28 2012

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1 Front

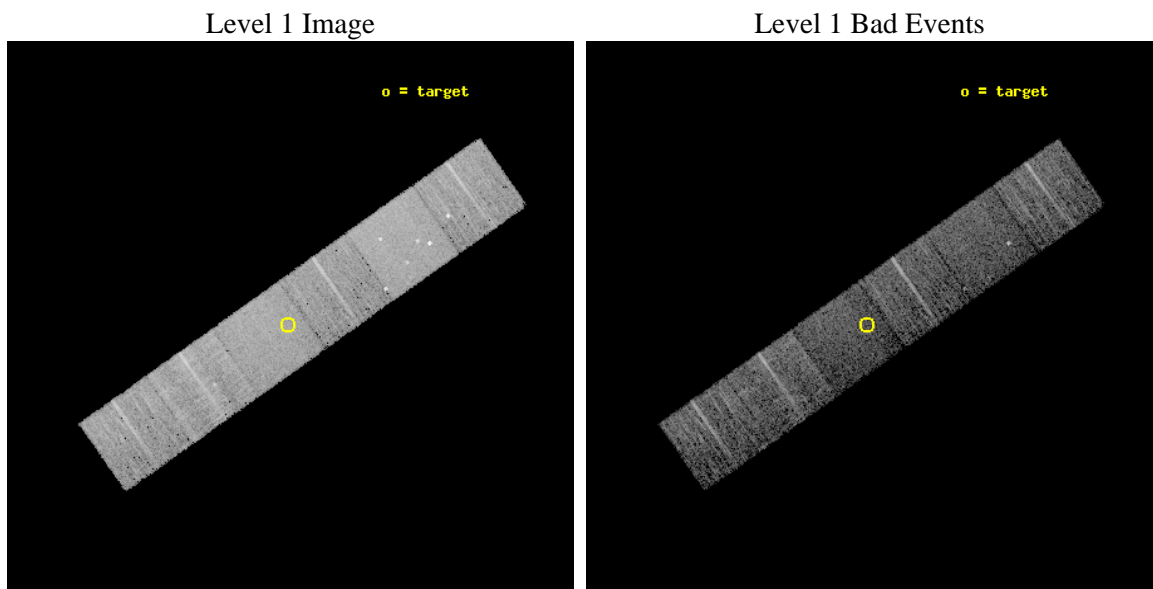
seq_num	600866	Sequence number
obs_id	11347	Observation id
title	Accretion onto nuclear black holes in early type galaxies: comparing field vs. clusters	Proposal title
observer	Elena Gallo	Principal investigator
object	NGC1426	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	55.7046	Observer's specified target RA [deg]
dec_targ	-22.10836	Observer's specified target Dec [deg]
ra_nom	55.699360569603	Nominal RA [deg]
dec_nom	-22.108022989141	Nominal Dec [deg]
roll_nom	144.73878683324	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5445.4858112931	Sum of GTIs [s]
livetime	5376.5317910726	Livetime [s]
ontime4	5445.5268512964	Sum of GTIs [s]
ontime5	5445.4447712898	Sum of GTIs [s]
ontime6	5445.4037312865	Sum of GTIs [s]
ontime7	5445.4858112931	Sum of GTIs [s]
ontime8	5445.3626912832	Sum of GTIs [s]
ontime9	5445.3216512799	Sum of GTIs [s]
l2events	66313	Number of level 2 events



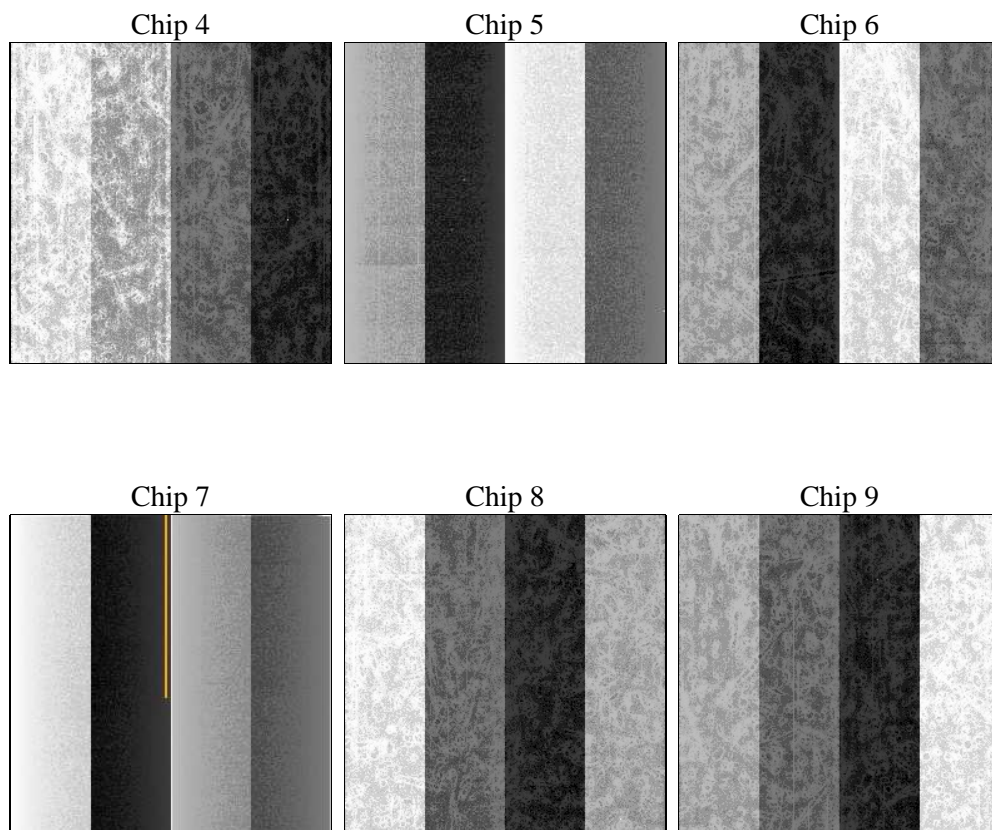
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5400.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5445.4858112931	Sum of GTIs [s]
caldsver	4.5.0	 	ontime4	5445.5268512964	Sum of GTIs [s]
date	2012-06-28T20:05:29	Date and time of file creation	ontime5	5445.4447712898	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	5445.4037312865	Sum of GTIs [s]
			ontime7	5445.4858112931	Sum of GTIs [s]
			ontime8	5445.3626912832	Sum of GTIs [s]
			ontime9	5445.3216512799	Sum of GTIs [s]
			l1events	287984	Number of level 1 events

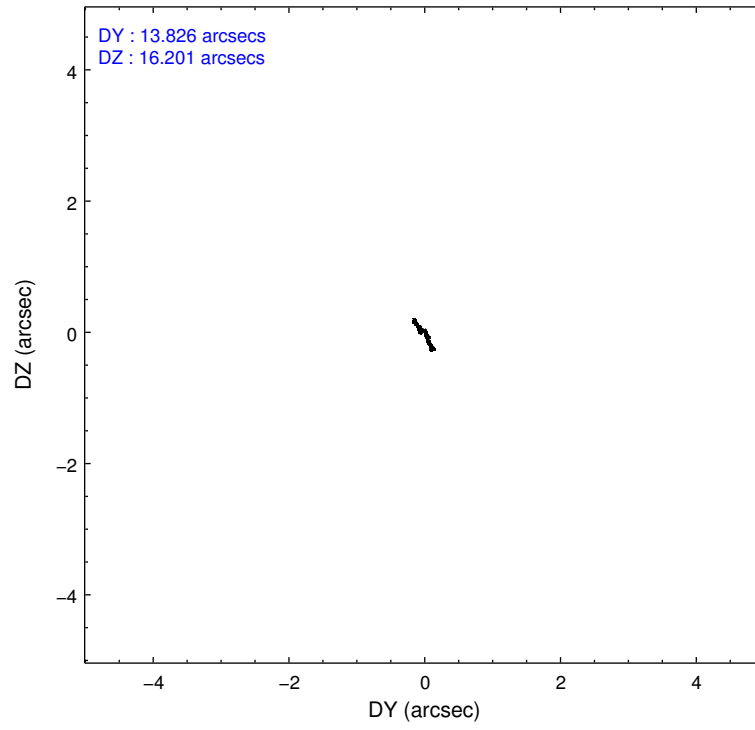
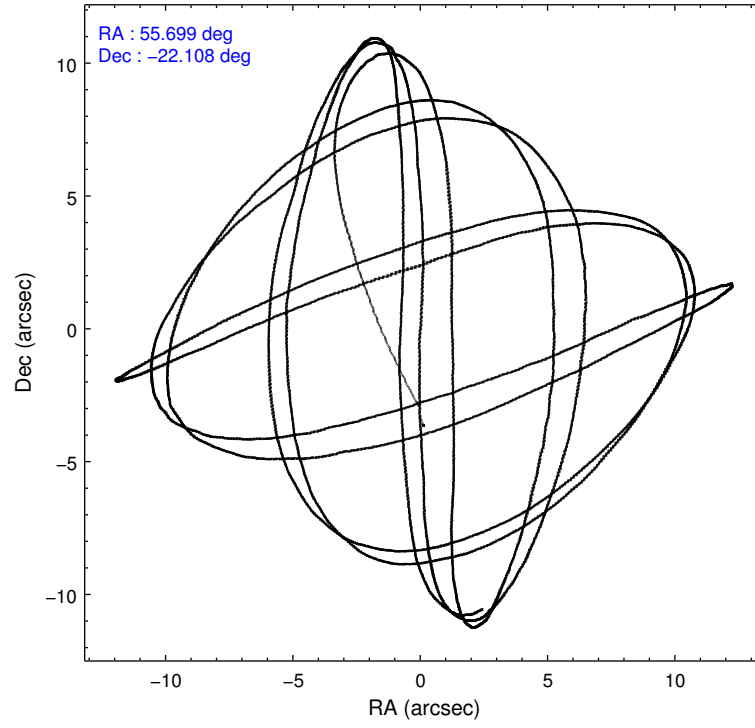
2.1.4 Events

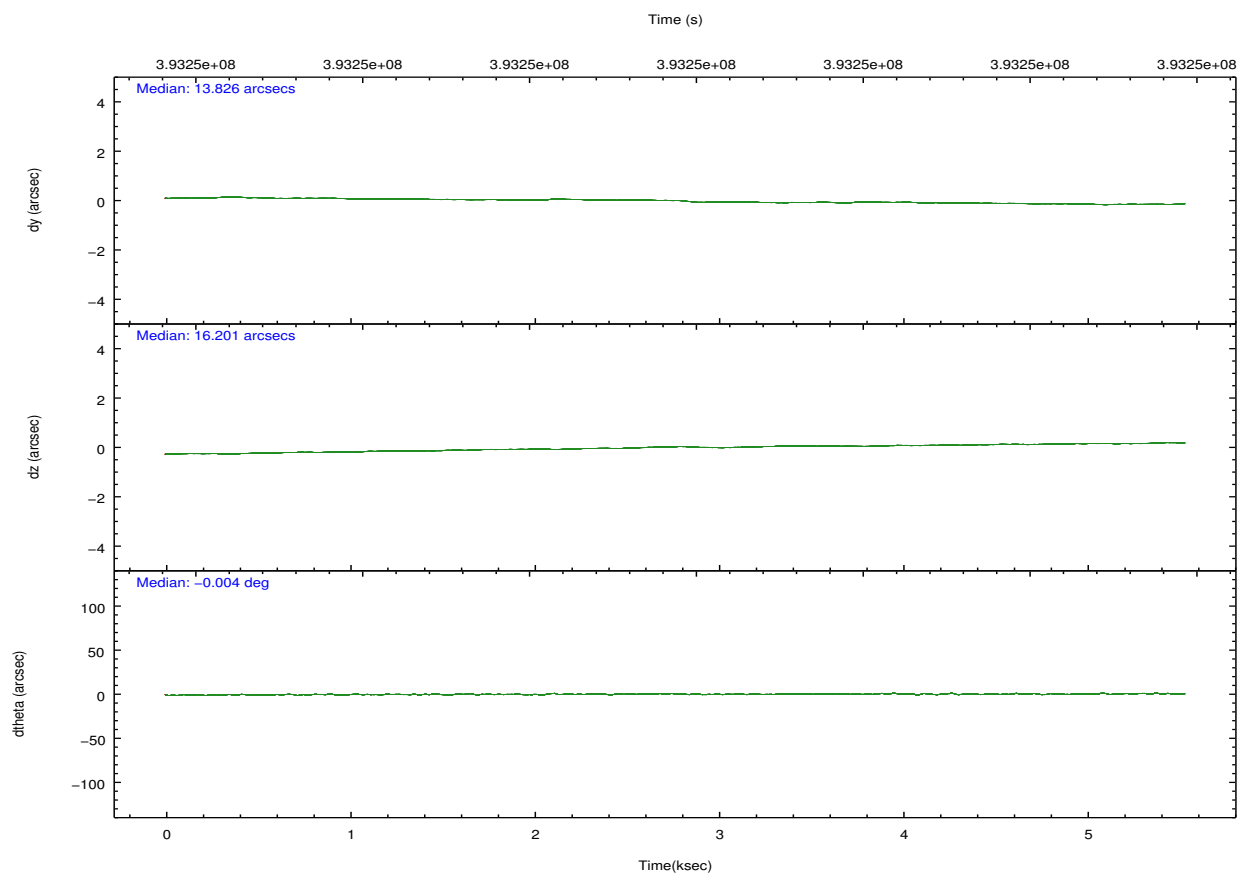
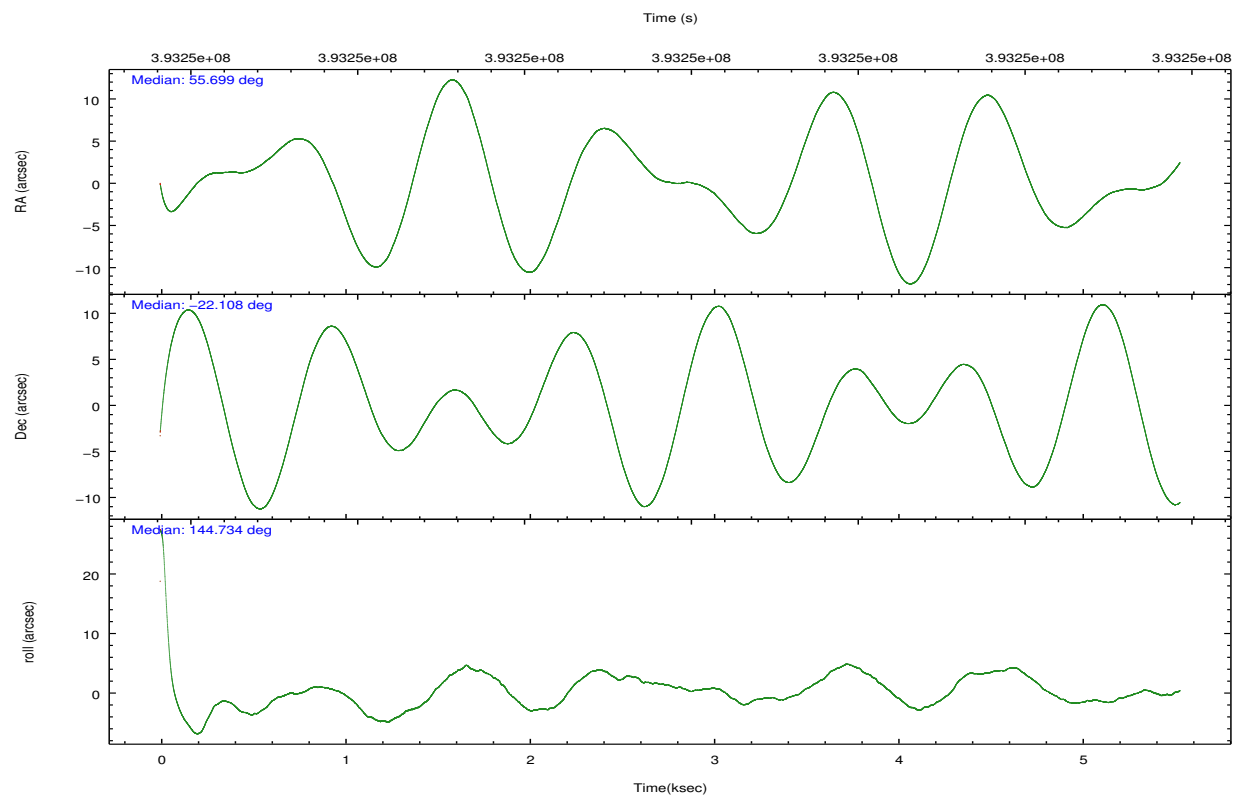
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	45861	62639	39669	48986	51518	39311	grade 0 events	3085	3770	1554	2045	4237	1730
rejected events	39800	31125	35249	26844	37787	34636		6%	6%	3%	4%	8%	4%
rejected %	86%	49%	88%	54%	73%	88%	grade 1 events	45	170	22	63	47	25
								0%	0%	0%	0%	0%	0%
							grade 2 events	1157	9458	970	4648	3244	1043
								2%	15%	2%	9%	6%	2%
							grade 3 events	522	1236	467	1941	1413	460
								1%	1%	1%	3%	2%	1%
							grade 4 events	500	1293	466	1977	1295	485
								1%	2%	1%	4%	2%	1%
							grade 5 events	1789	4810	1797	5293	2637	1966
								3%	7%	4%	10%	5%	5%
							grade 6 events	805	15794	973	11573	3580	961
								1%	25%	2%	23%	6%	2%
							grade 7 events	37958	26108	33420	21446	35065	32641
								82%	41%	84%	43%	68%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	55.728799	55.69936056960346	CCD I2 on	N	N
[deg] Pointing Dec	-22.110192	-22.10802298914096	CCD I3 on	N	N
[deg] Pointing Roll	144.593177	144.7387868332394	CCD S0 on	O1	Y
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[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)	393247228.184000	393245553.16325	CCD S5 on	O2	Y
Observation start date	2010-06-18T11:19:22	2010-06-18T10:52:33	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	393252628.184000	393252901.90112	On-chip summing requested	N	N
Observation end date	2010-06-18T12:49:22	2010-06-18T12:55:01	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



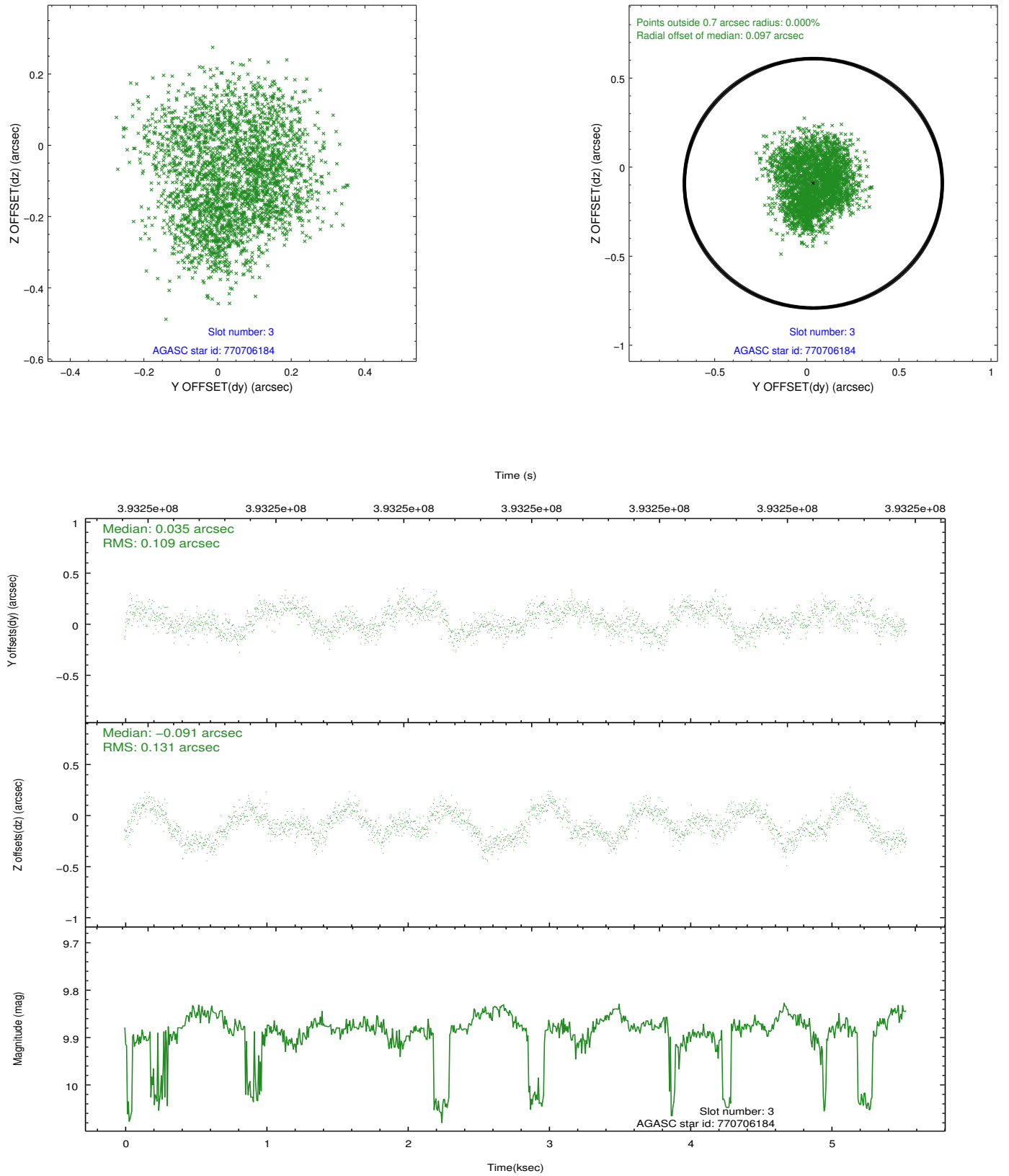


Slot Statistics

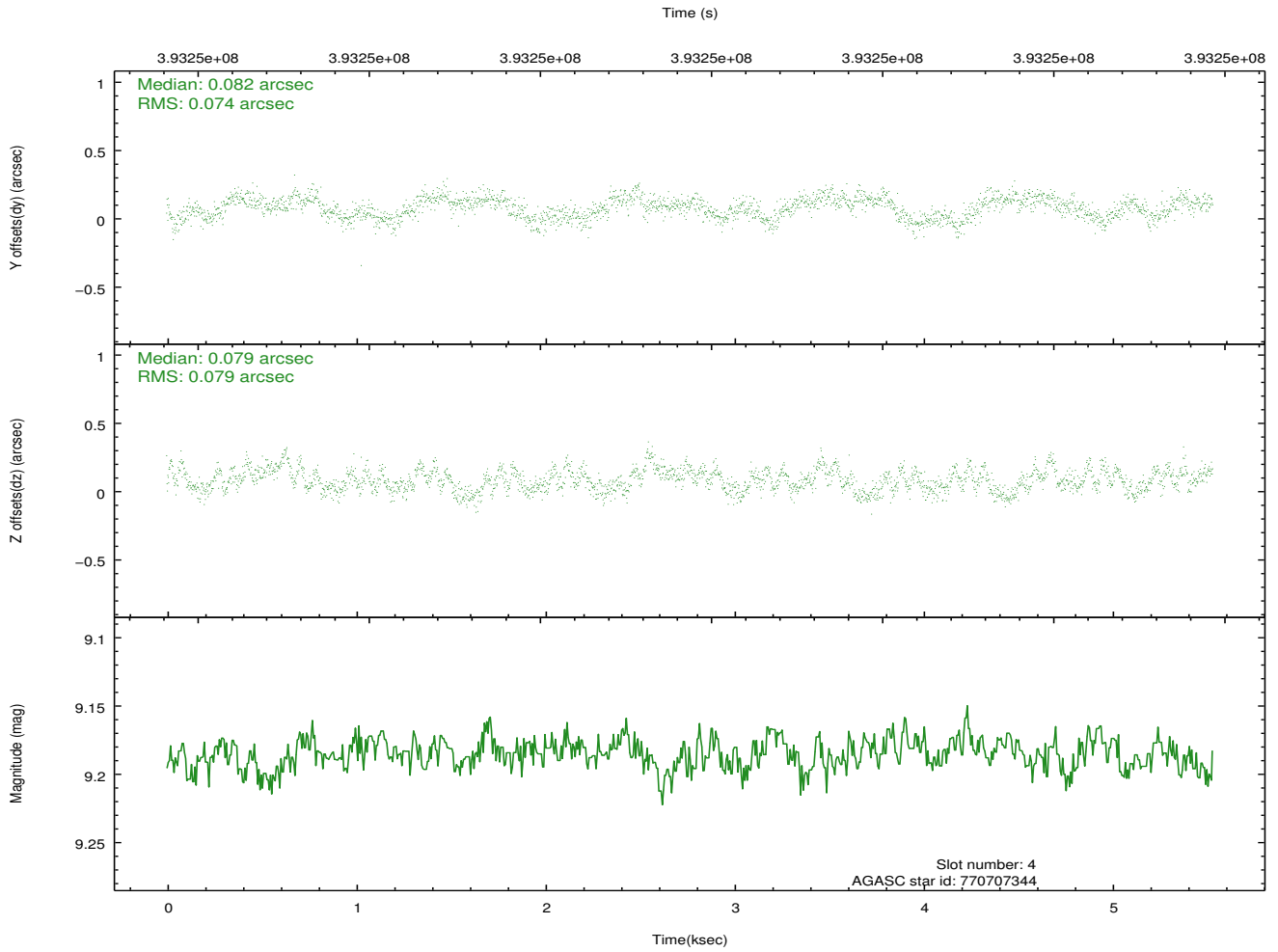
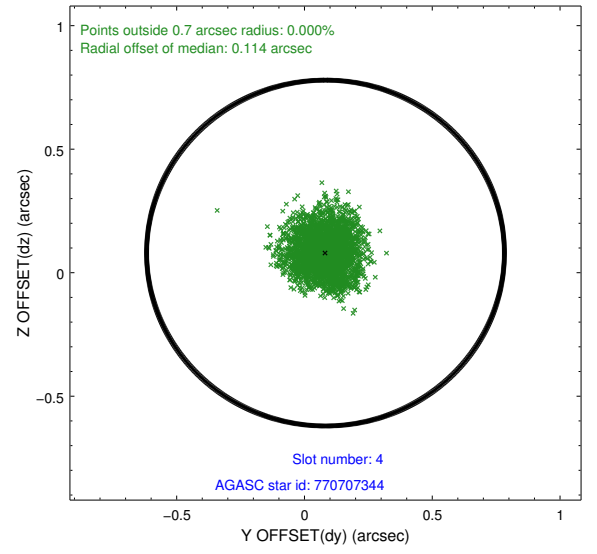
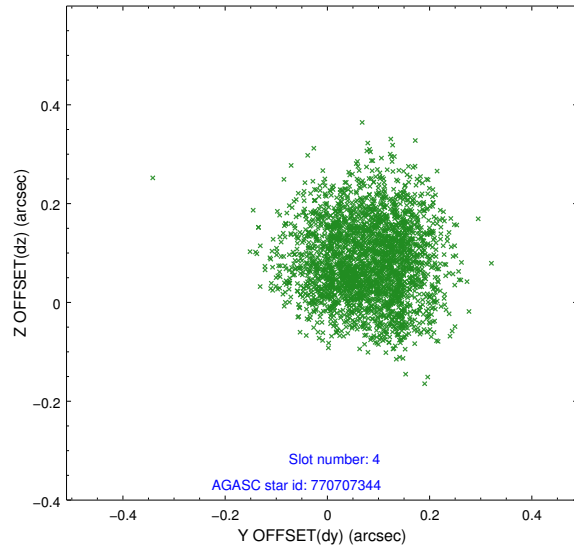
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	1350	-0.050	-0.009	0.010	0.015	0.000000	0.000000	-766.79	-1737.60
1	FID	ACIS-S-4	6.99	1350	0.179	0.027	0.011	0.019	0.000000	0.000000	2146.22	169.80
2	FID	ACIS-S-5	7.02	1350	-0.160	-0.009	0.007	0.011	0.000000	0.000000	-1818.36	164.66
3	GUIDE	770706184	9.88	2672	0.035	-0.091	0.187	0.272	55.156679	-21.949221	1889.97	637.13
4	GUIDE	770707344	9.19	2699	0.082	0.079	0.117	0.181	55.977679	-21.936568	-314.54	-989.74
5	GUIDE	771626136	9.06	2699	-0.006	0.159	0.089	0.141	56.361654	-22.343323	-2206.34	-533.30
6	GUIDE	771631952	7.89	2700	-0.002	0.120	0.061	0.099	56.370335	-22.114115	-1755.88	-1224.31
7	GUIDE	845021256	7.81	2699	-0.112	-0.271	0.060	0.099	55.704756	-22.910408	-1605.07	2393.75

2.4 Star Slots

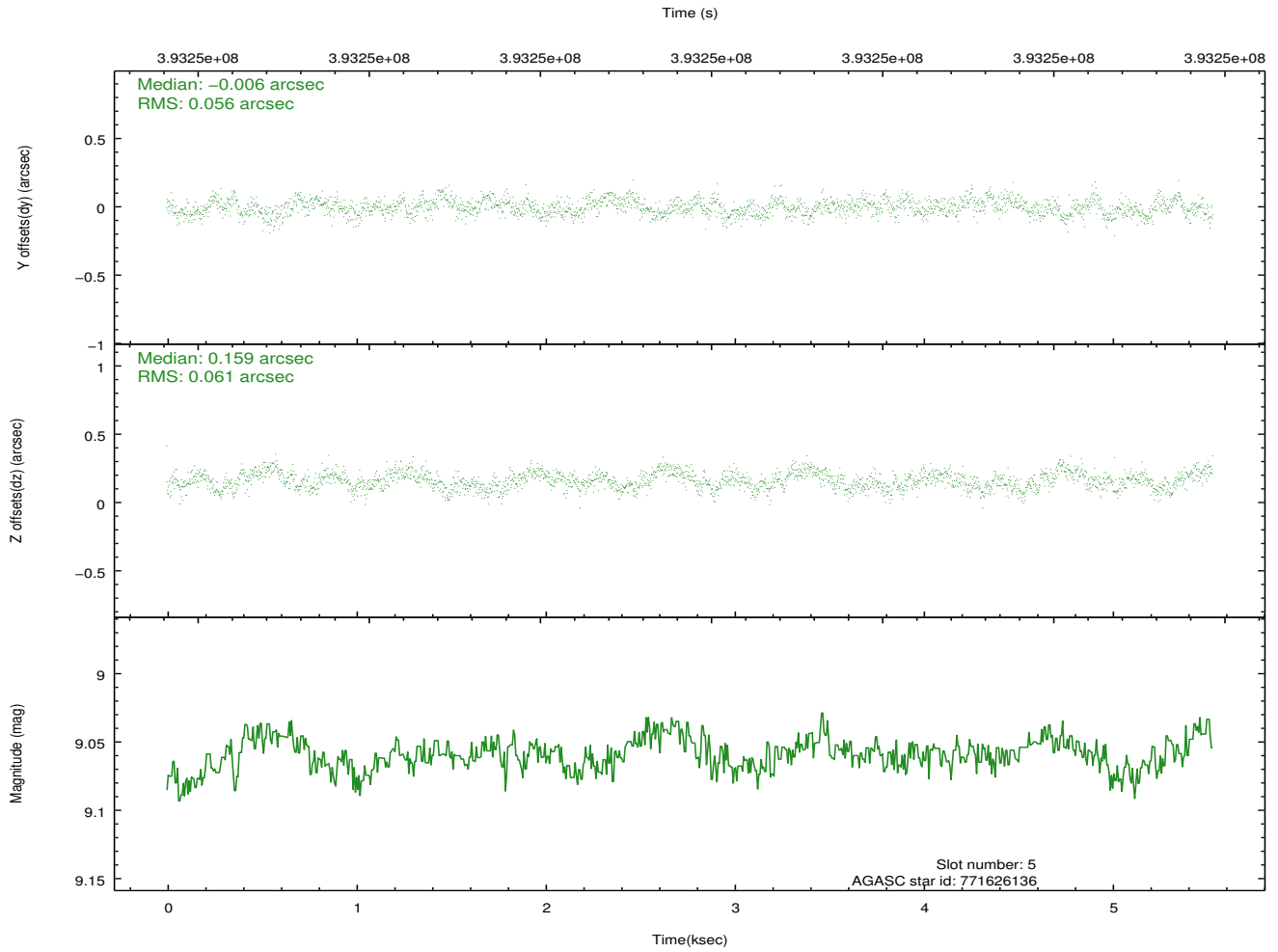
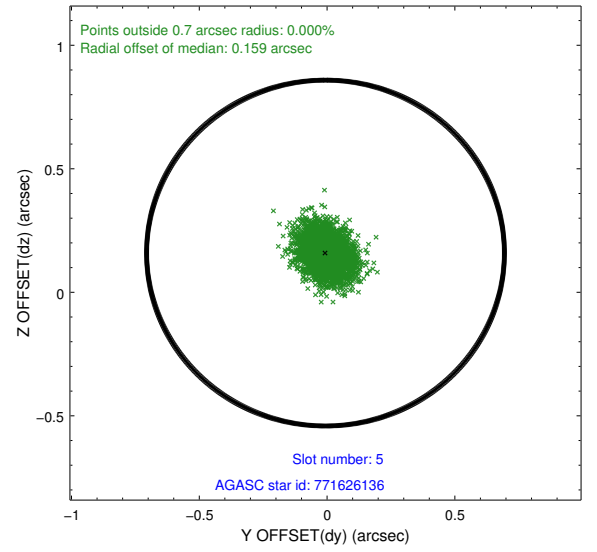
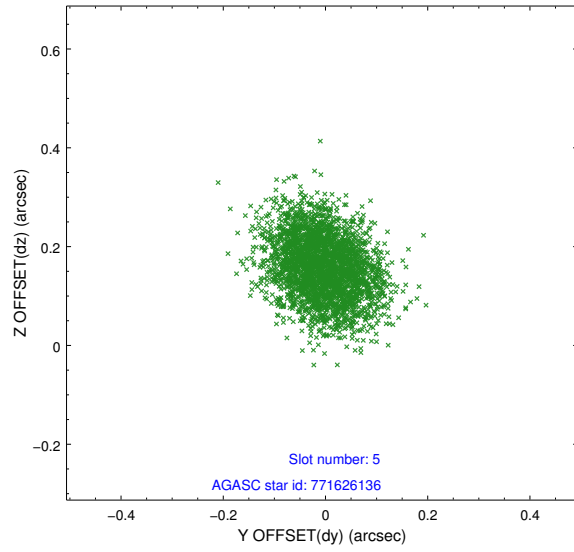
2.4.1 Slot 3



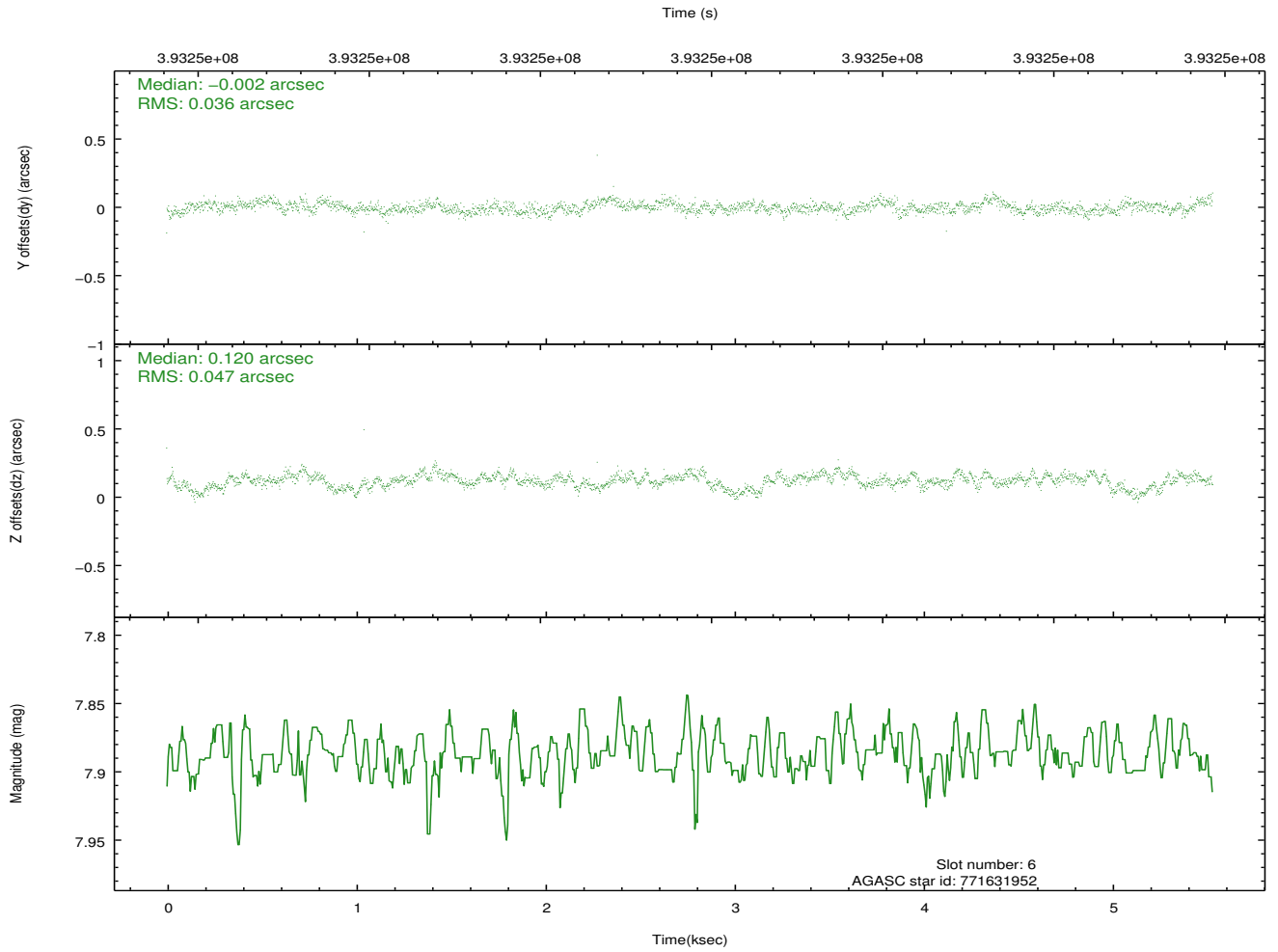
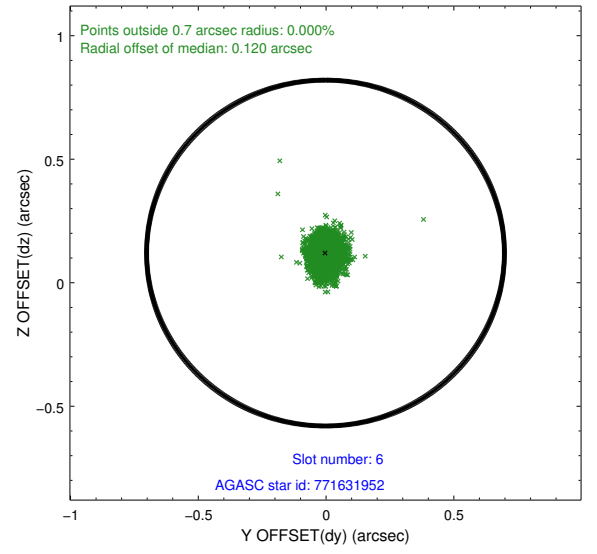
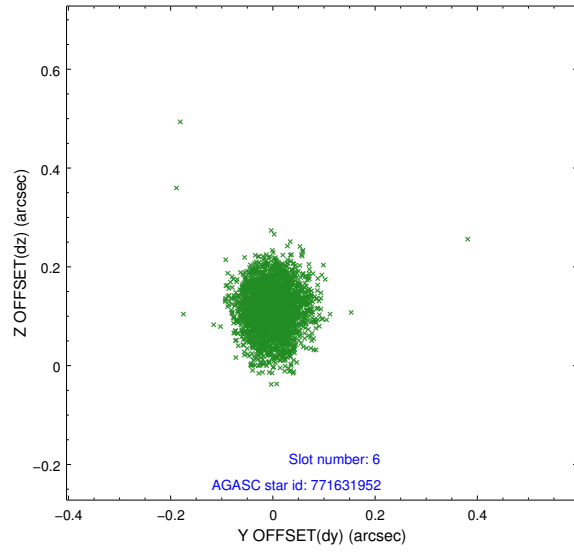
2.4.2 Slot 4



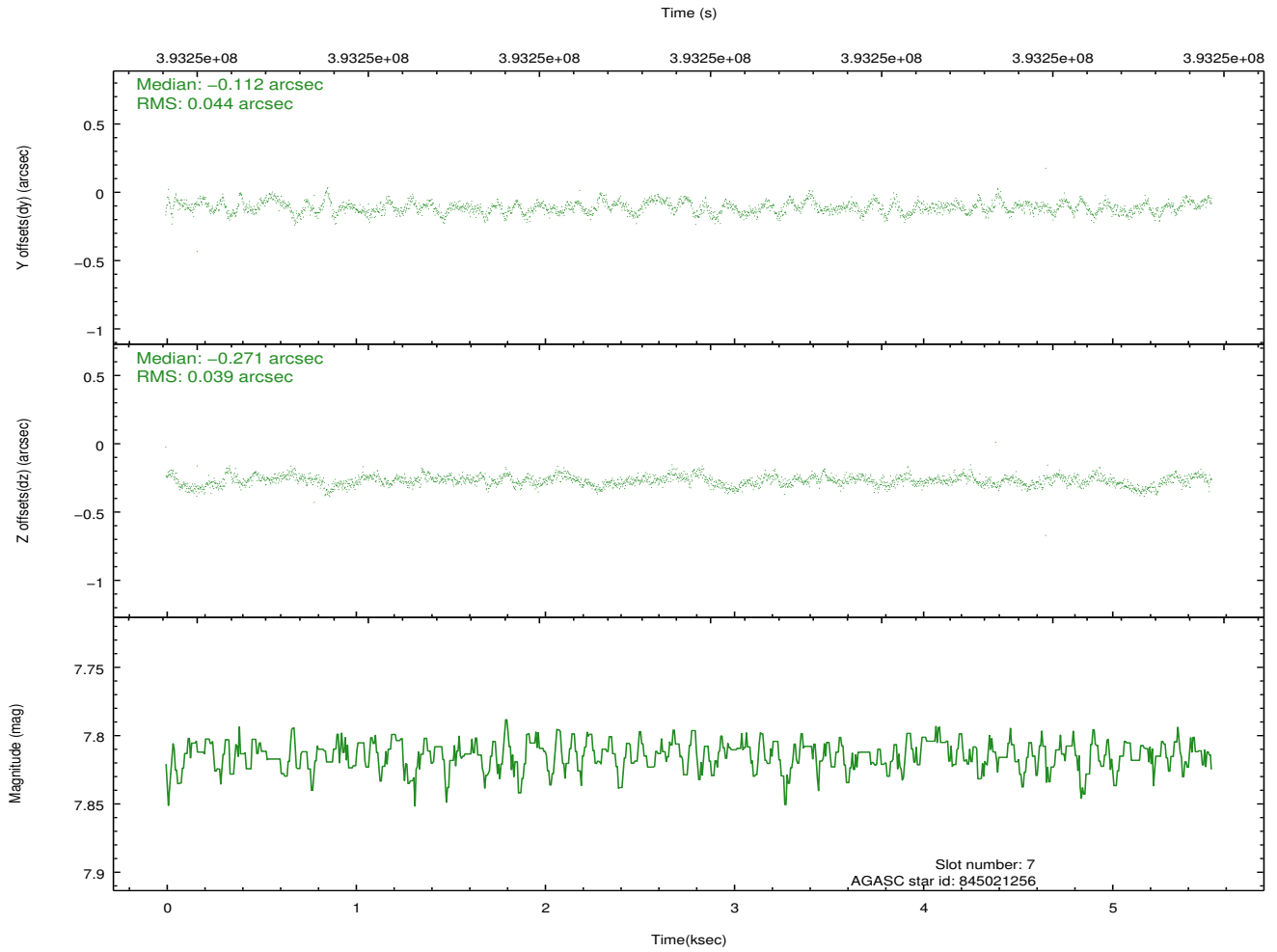
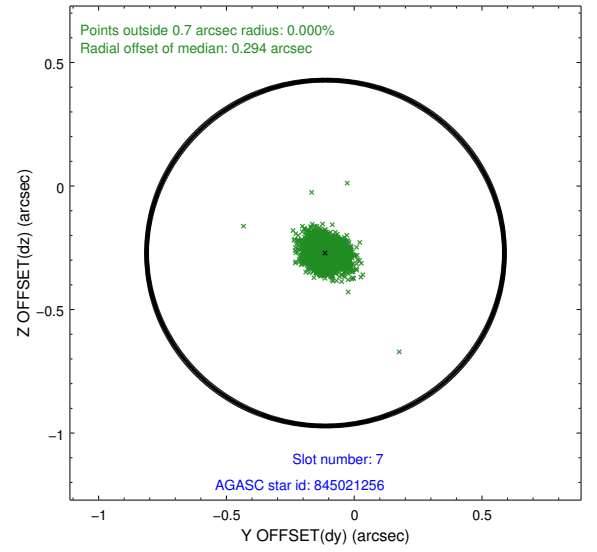
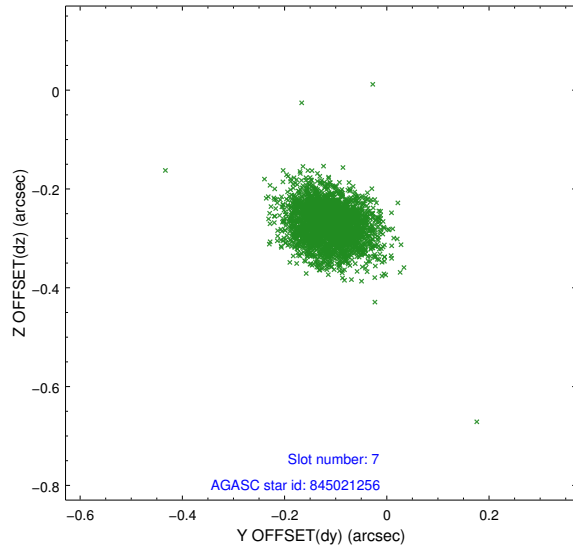
2.4.3 Slot 5



2.4.4 Slot 6

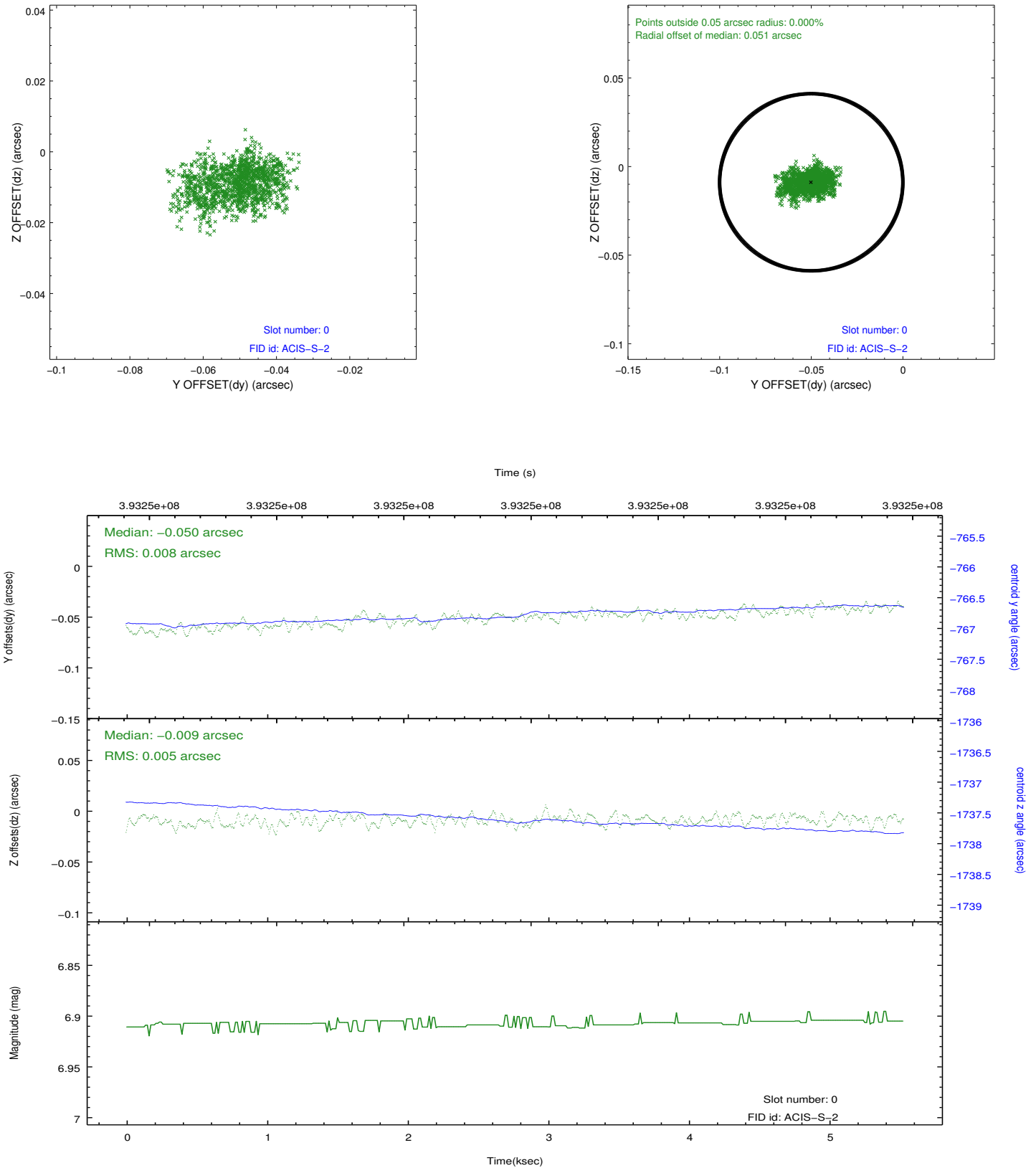


2.4.5 Slot 7

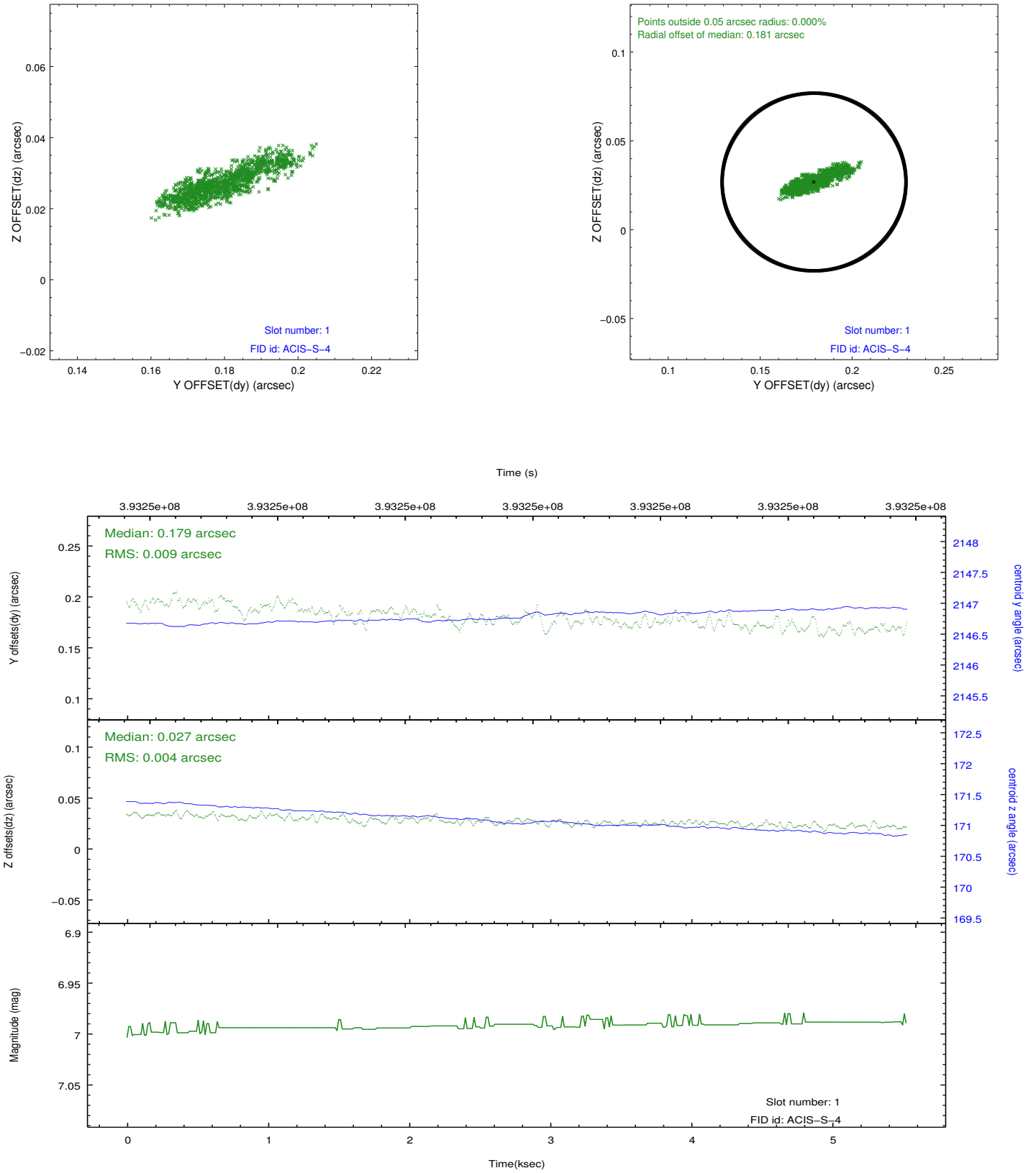


2.5 FID Slots

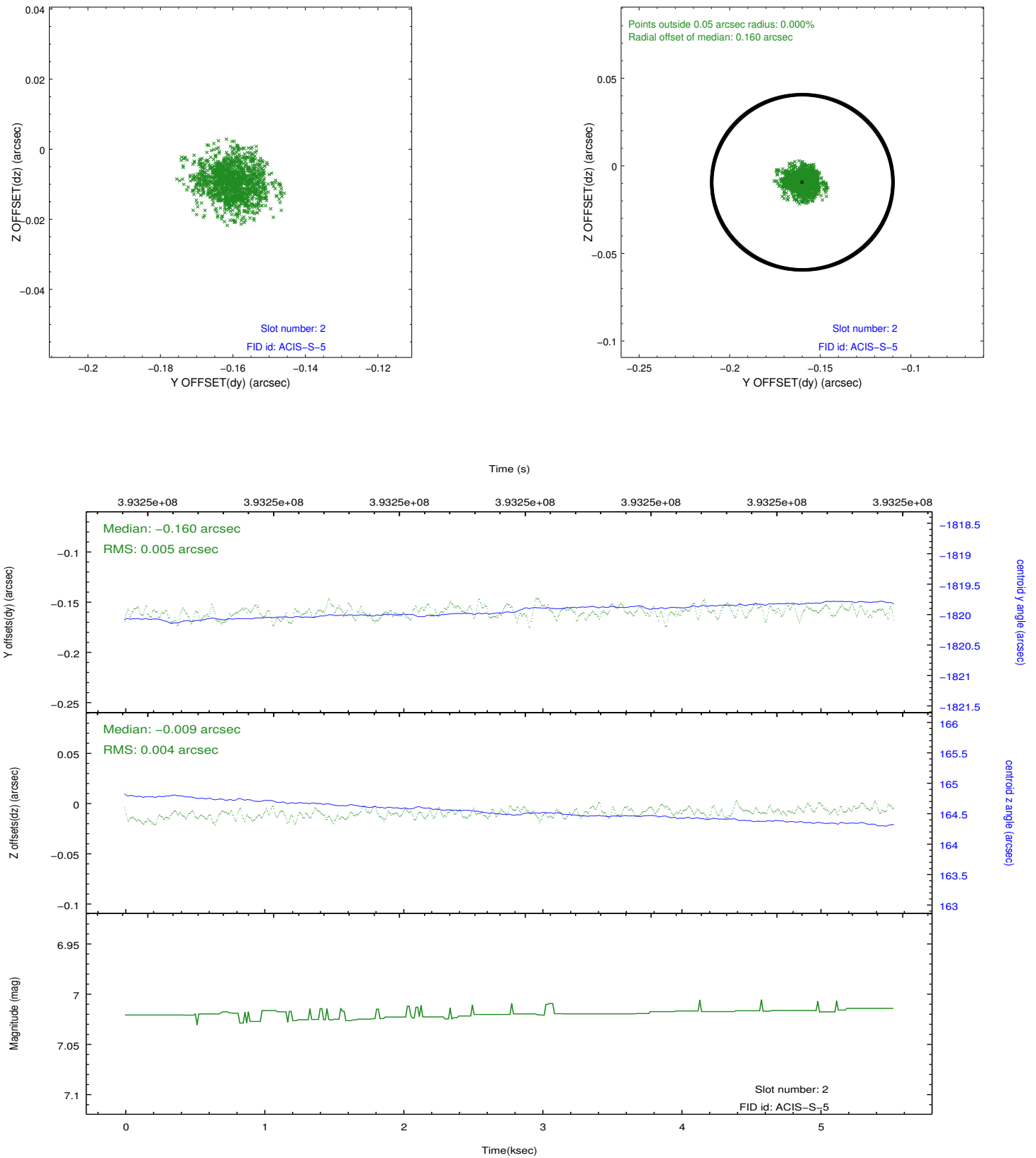
2.5.1 Slot 0



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)	2012.07.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.445485812366

A.2 Comments