

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7120 - L2 Version 2
Chandra X-Ray Center

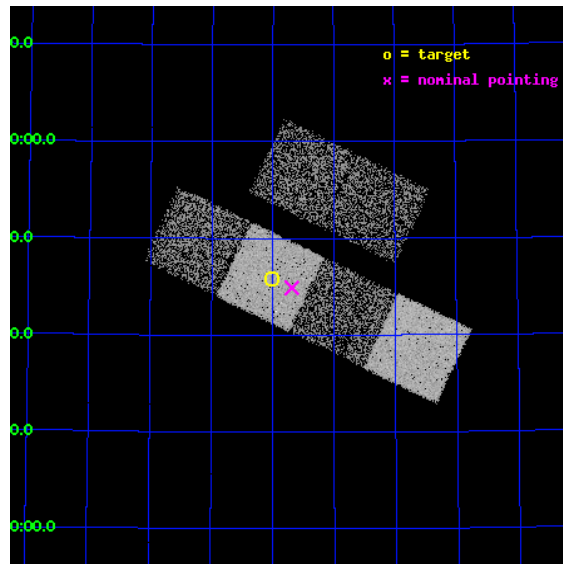
L2 Processing Date : Apr 3 2012

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1 Front

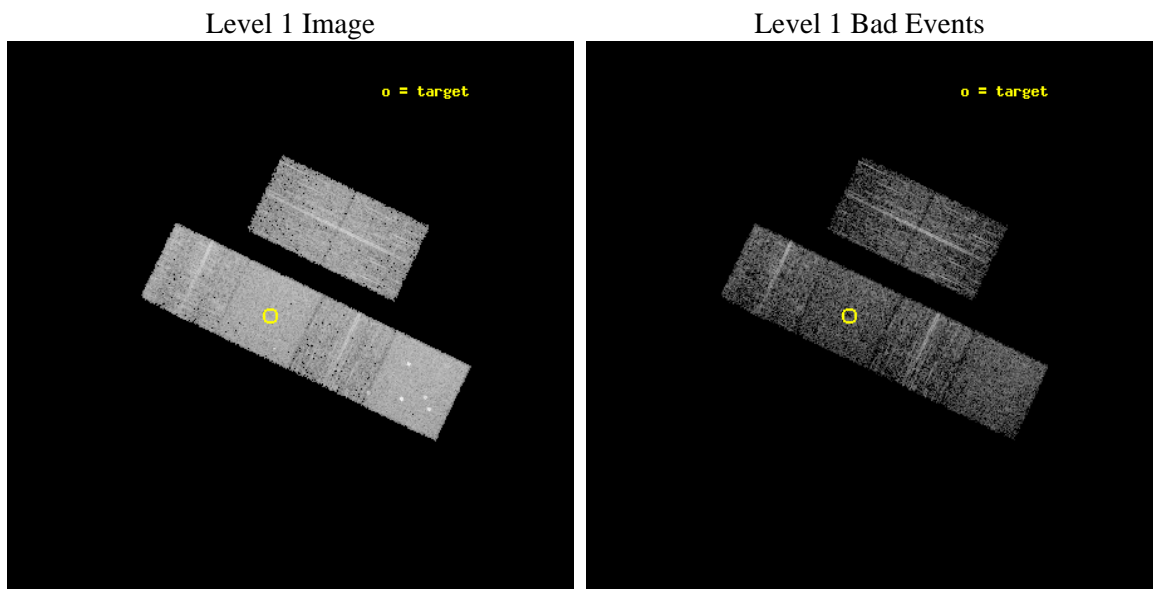
seq_num	600558	Sequence number
obs_id	7120	Observation id
title	A Complete Sample of ULX Host Galaxies	Proposal title
observer	Douglas Swartz	Principal investigator
object	NGC 5949	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	232.002917	Observer's specified target RA [deg]
dec_targ	64.763111	Observer's specified target Dec [deg]
ra_nom	231.92200896498	Nominal RA [deg]
dec_nom	64.74837145463	Nominal Dec [deg]
roll_nom	205.63106331637	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3049.5999886394	Sum of GTIs [s]
livetime	3010.9841173345	Livetime [s]
ontime2	3049.5999886394	Sum of GTIs [s]
ontime3	3049.5999886394	Sum of GTIs [s]
ontime5	3049.5999886394	Sum of GTIs [s]
ontime6	3049.5999886394	Sum of GTIs [s]
ontime7	3049.5999886394	Sum of GTIs [s]
ontime8	3049.5999886394	Sum of GTIs [s]
l2events	43678	Number of level 2 events



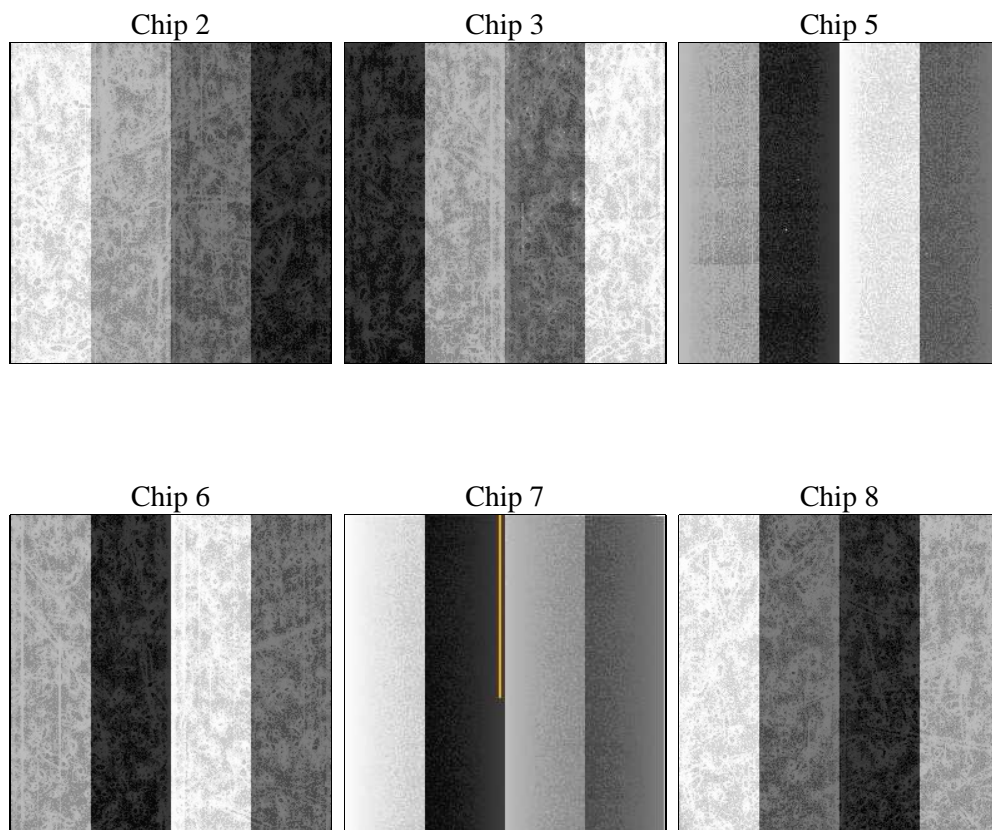
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3010.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	3049.5999886394	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3049.5999886394	Sum of GTIs [s]
date	2012-04-03T11:10:40	Date and time of file creation	ontime3	3049.5999886394	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3049.5999886394	Sum of GTIs [s]
			ontime6	3049.5999886394	Sum of GTIs [s]
			ontime7	3049.5999886394	Sum of GTIs [s]
			ontime8	3049.5999886394	Sum of GTIs [s]
			l1events	194826	Number of level 1 events

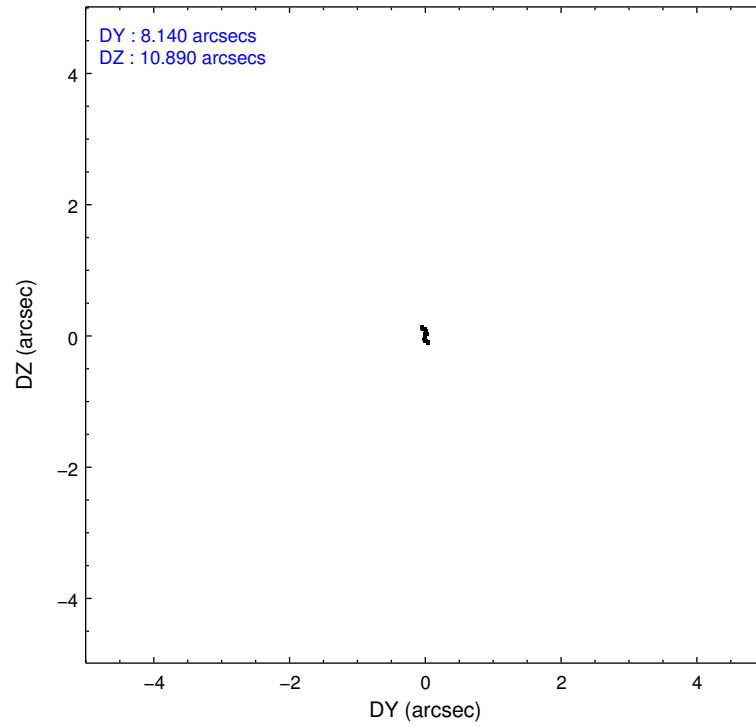
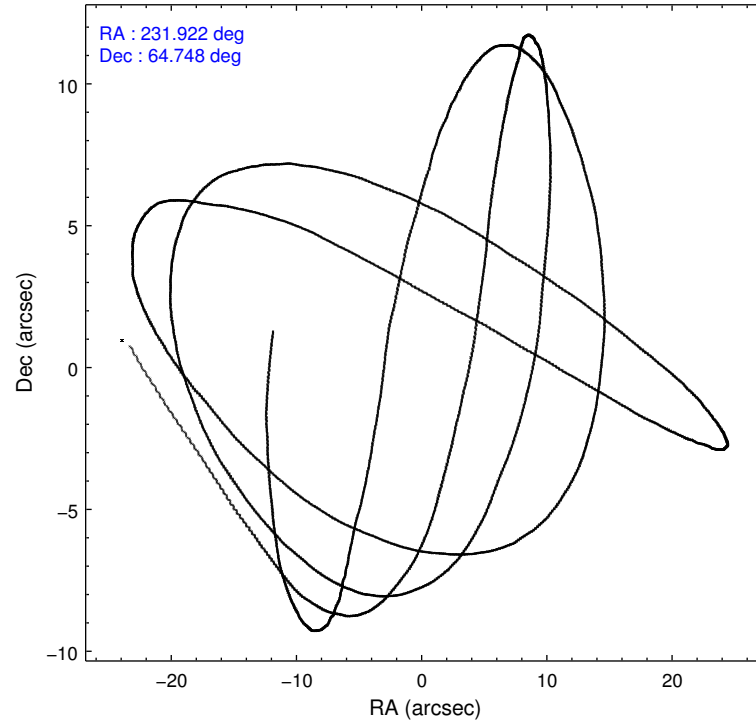
2.1.4 Events

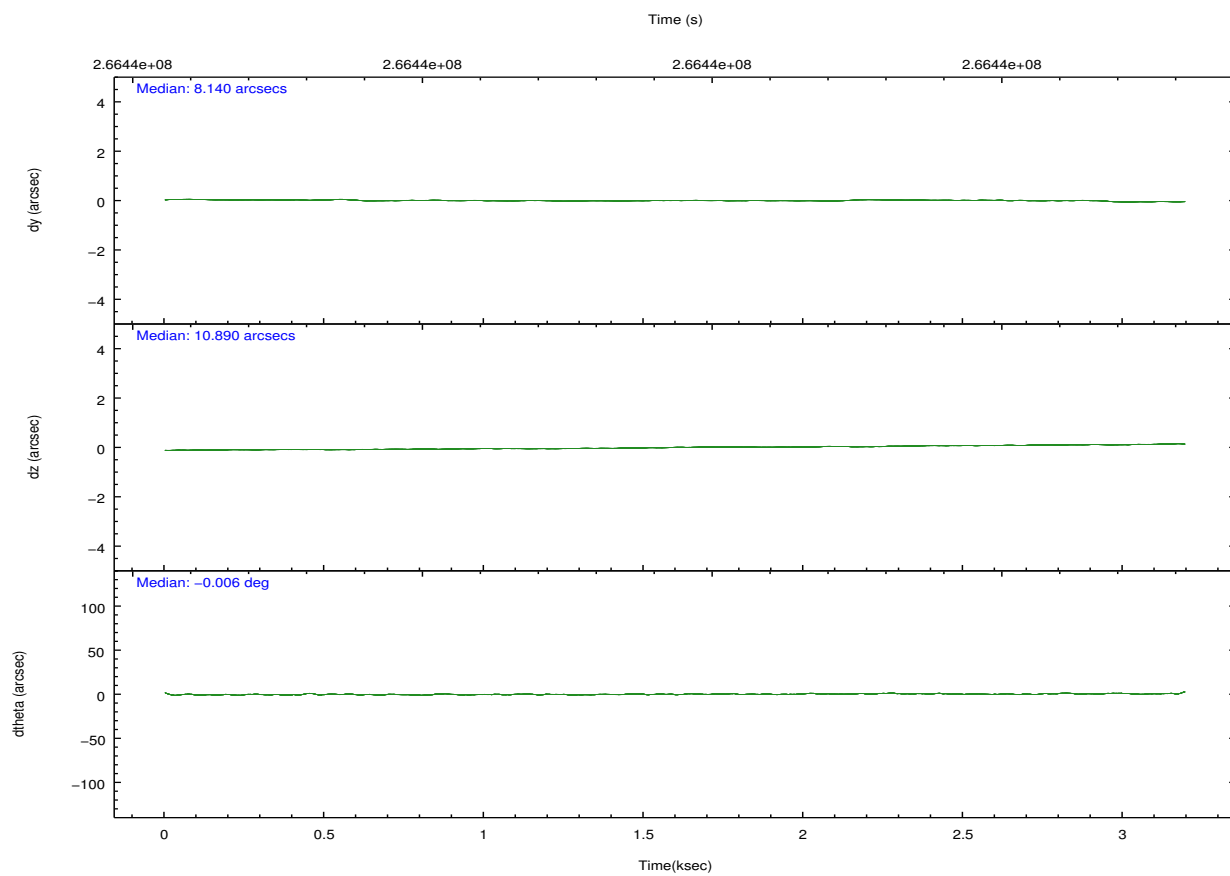
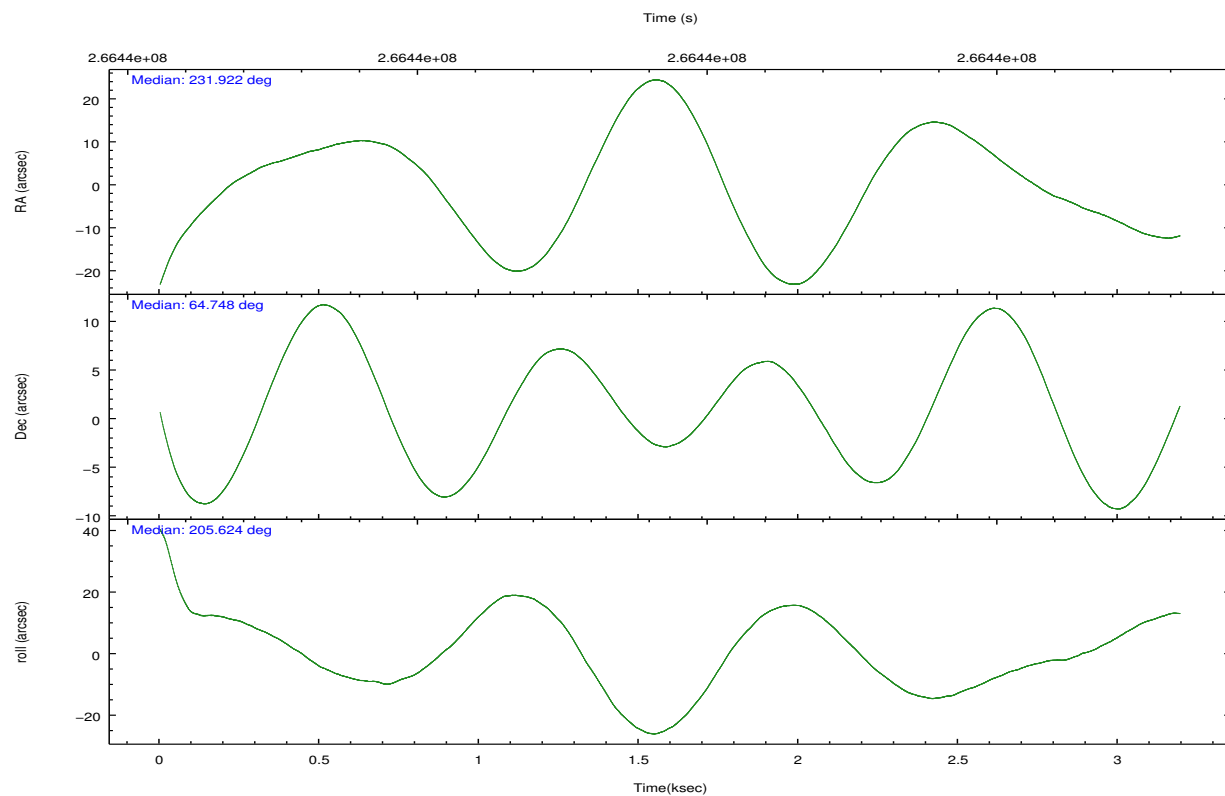
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	28292	25846	42170	27169	37313	34036	grade 0 events	1314	1331	3167	1219	1358	2364
rejected events	25241	22730	22269	23894	21798	26501		4%	5%	7%	4%	3%	6%
rejected %	89%	87%	52%	87%	58%	77%	grade 1 events	18	12	93	16	36	27
								0%	0%	0%	0%	0%	0%
							grade 2 events	660	607	5663	772	3192	1676
								2%	2%	13%	2%	8%	4%
							grade 3 events	275	293	606	335	1290	804
								0%	1%	1%	1%	3%	2%
							grade 4 events	289	311	591	299	1230	745
								1%	1%	1%	1%	3%	2%
							grade 5 events	1023	1195	2691	1187	3427	1629
								3%	4%	6%	4%	9%	4%
							grade 6 events	519	581	9929	661	8484	1961
								1%	2%	23%	2%	22%	5%
							grade 7 events	24194	21516	19430	22680	18296	24830
								85%	83%	46%	83%	49%	72%

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	231.957478	231.9220089649762	Subarray requested	NONE	NONE
[deg] Pointing Dec	64.771238	64.74837145463026	Alternating exposures requested	N	N
[deg] Pointing Roll	205.442325	205.6310633163689	[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)	266442458.184000	266441451.87899			
Observation start date	2006-06-11T19:46:33	2006-06-11T19:30:51			
[s] Observation end time (MET)	266445468.184000	266446390.32922			
Observation end date	2006-06-11T20:36:43	2006-06-11T20:53:10			
Read mode	TIMED	TIMED			

2.3 Aspect



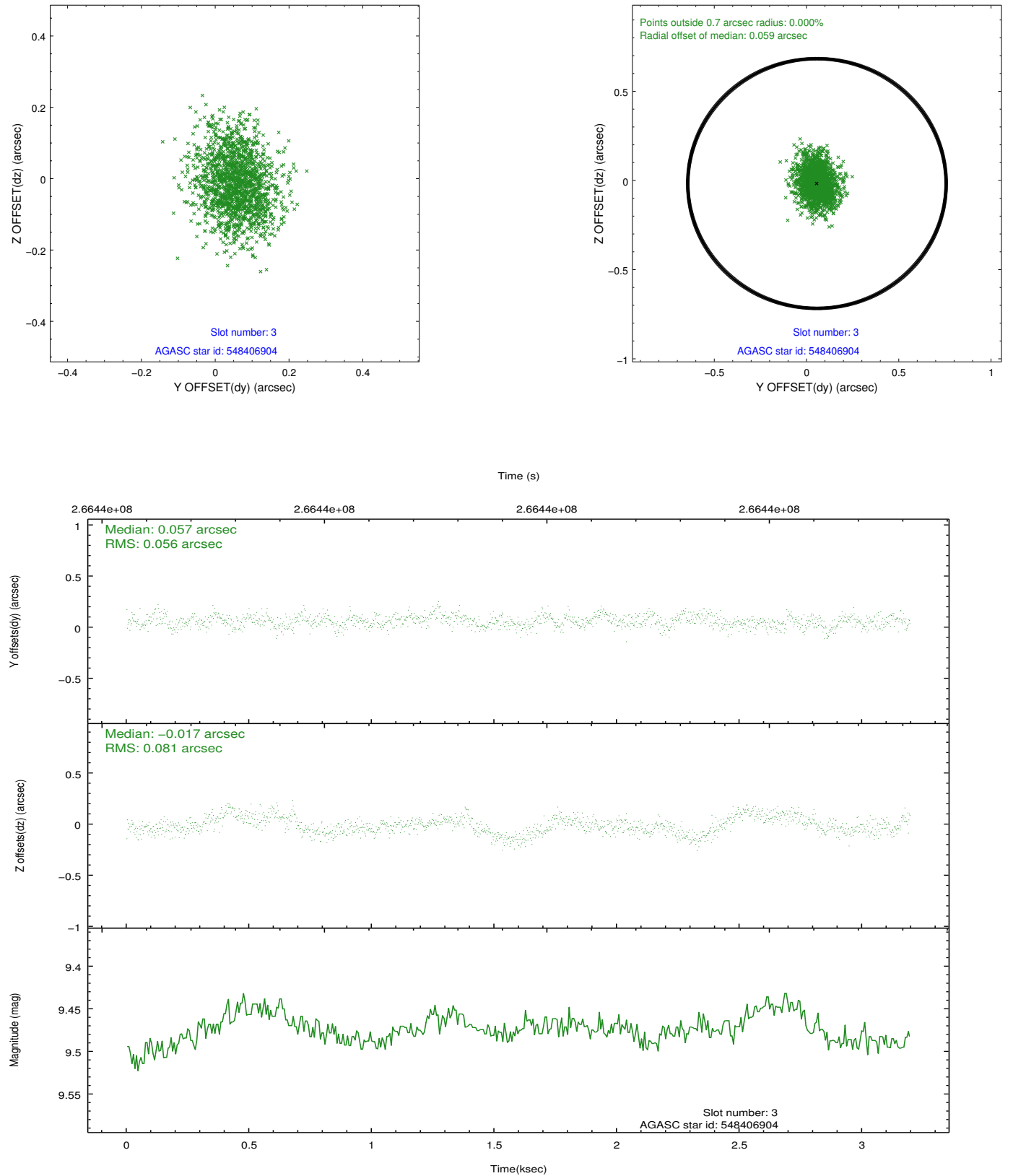


Slot Statistics

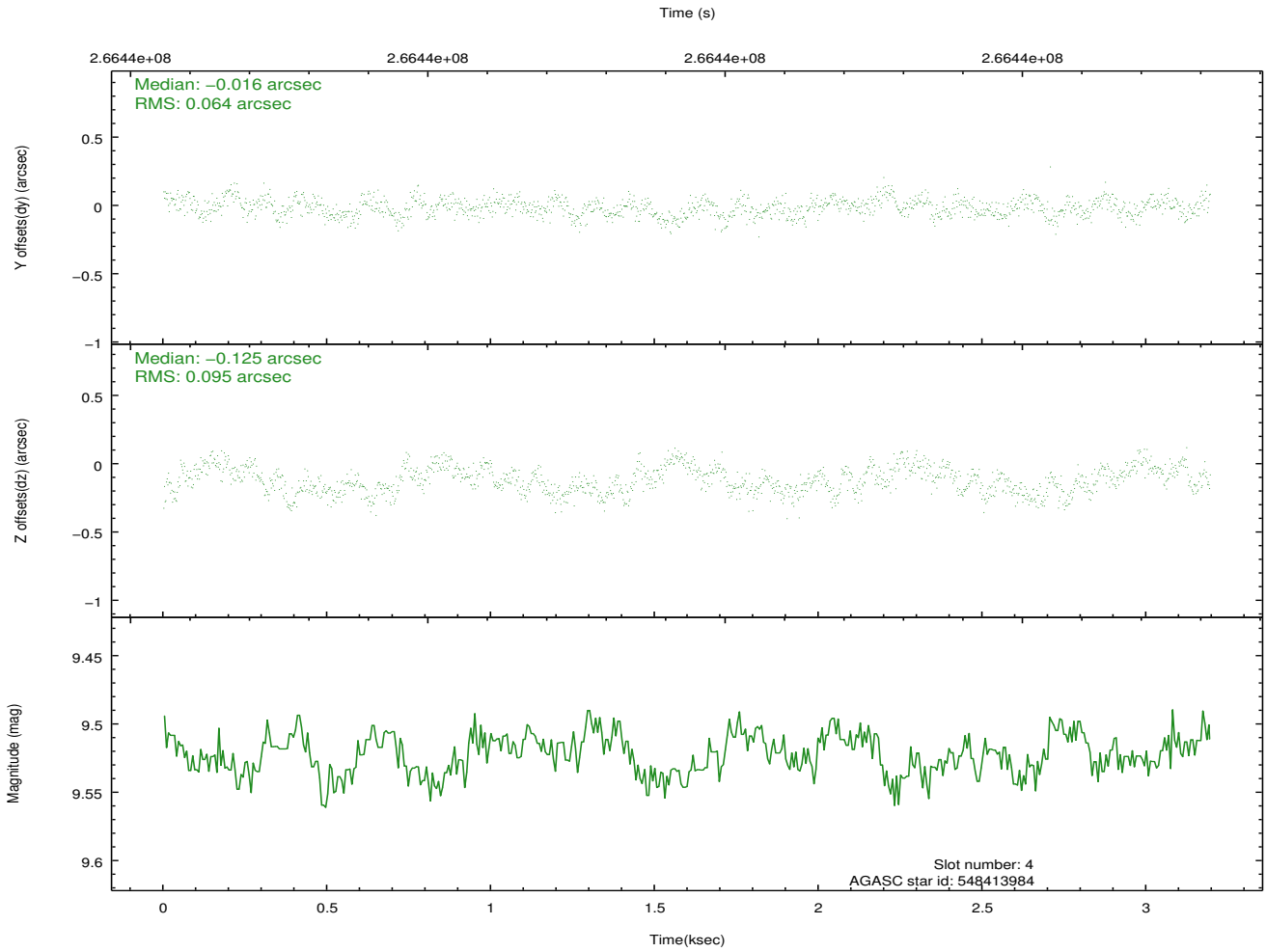
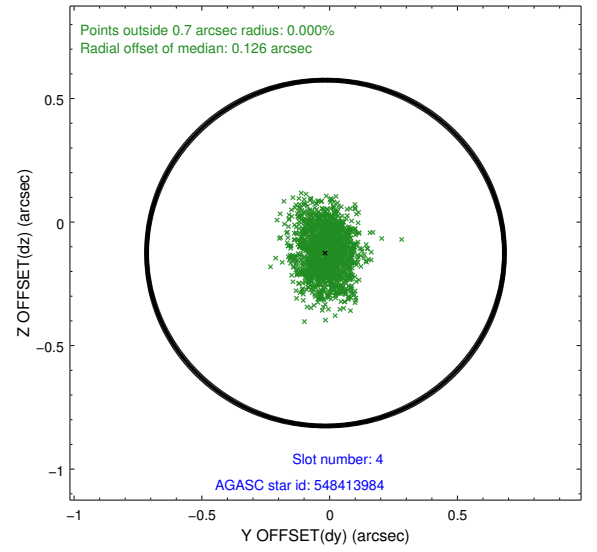
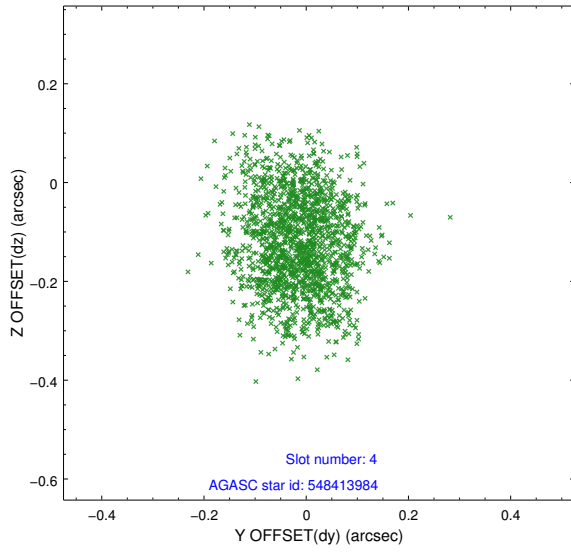
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	779	0.020	-0.078	0.009	0.017	0.000000	0.000000	935.14	-1727.86
1	FID	ACIS-S-4	7.21	779	0.099	0.049	0.008	0.015	0.000000	0.000000	2153.72	174.38
2	FID	ACIS-S-5	7.23	779	-0.146	0.042	0.009	0.016	0.000000	0.000000	-1811.35	170.19
3	GUIDE	548406904	9.48	1559	0.057	-0.017	0.105	0.173	232.670394	64.662020	-825.86	820.87
4	GUIDE	548413984	9.52	1558	-0.016	-0.125	0.122	0.198	232.794952	64.300284	-456.85	2084.64
5	GUIDE	548414704	9.61	1556	-0.042	-0.050	0.105	0.167	232.128760	64.238399	581.10	1848.04
6	GUIDE	548799376	8.95	1559	-0.039	0.090	0.078	0.121	230.674601	65.024577	1360.80	-1678.00
7	GUIDE	548800816	9.40	1557	0.042	0.092	0.099	0.153	233.007364	65.271176	-2205.77	-959.49

2.4 Star Slots

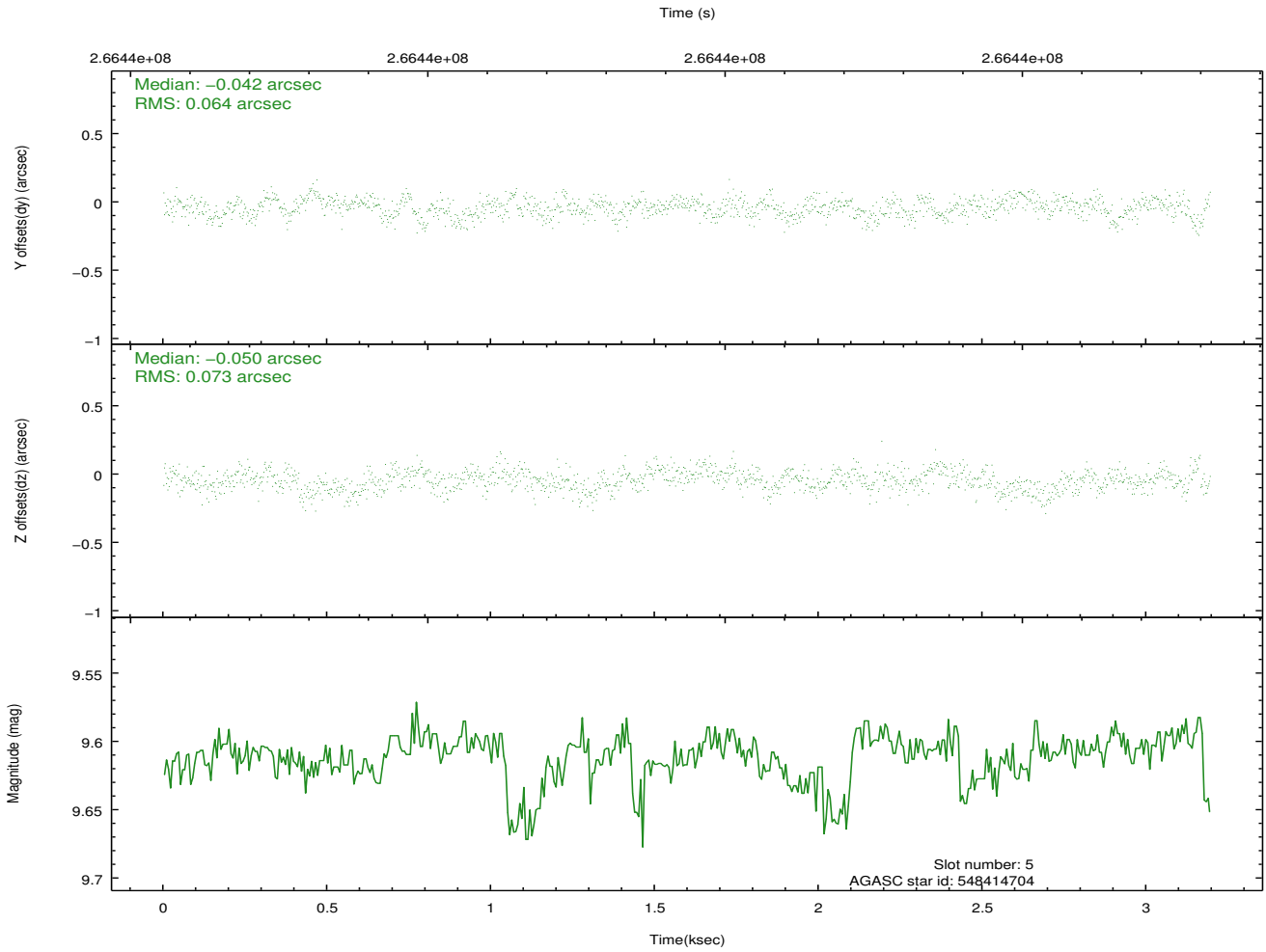
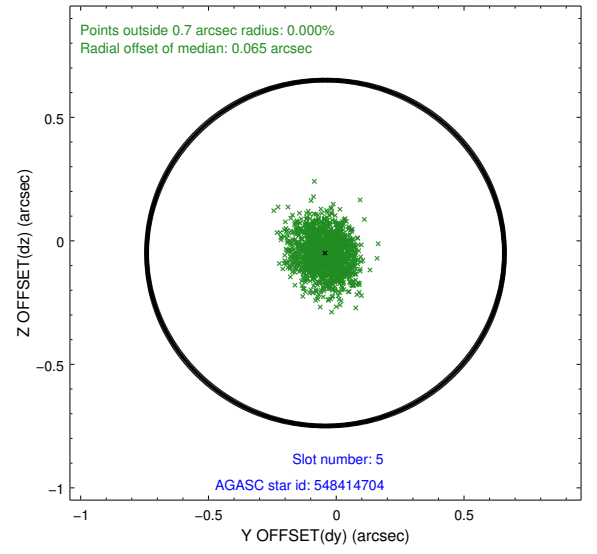
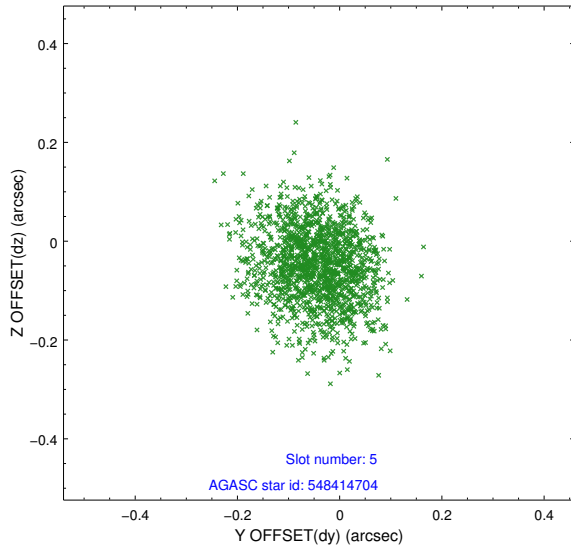
2.4.1 Slot 3



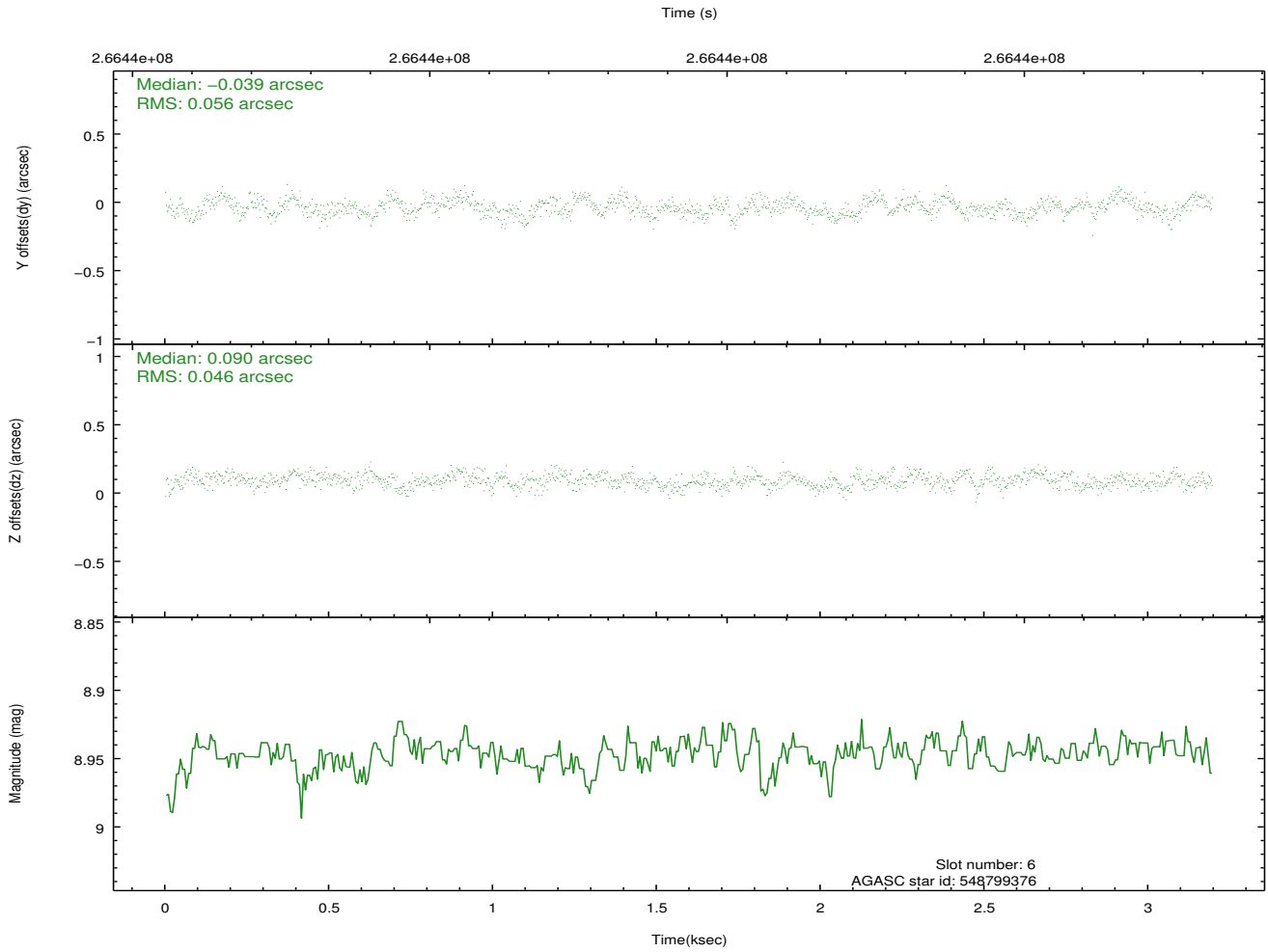
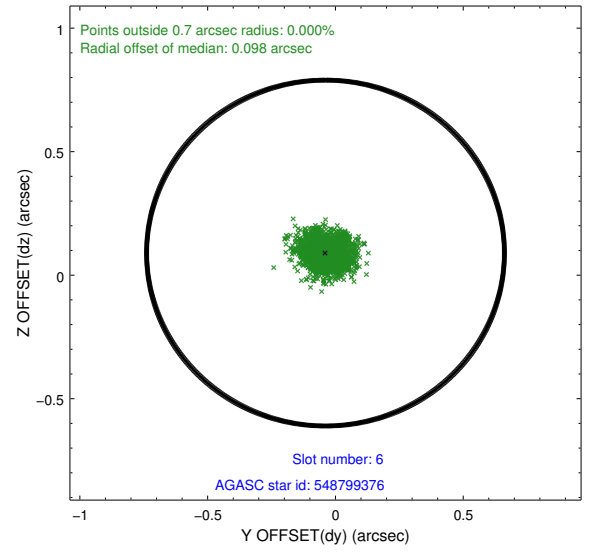
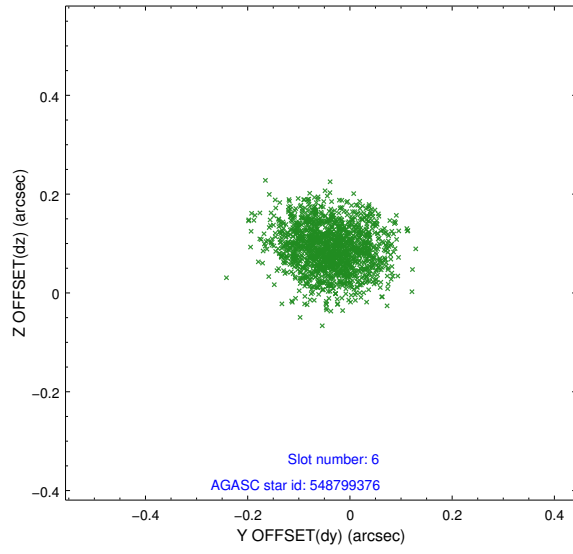
2.4.2 Slot 4



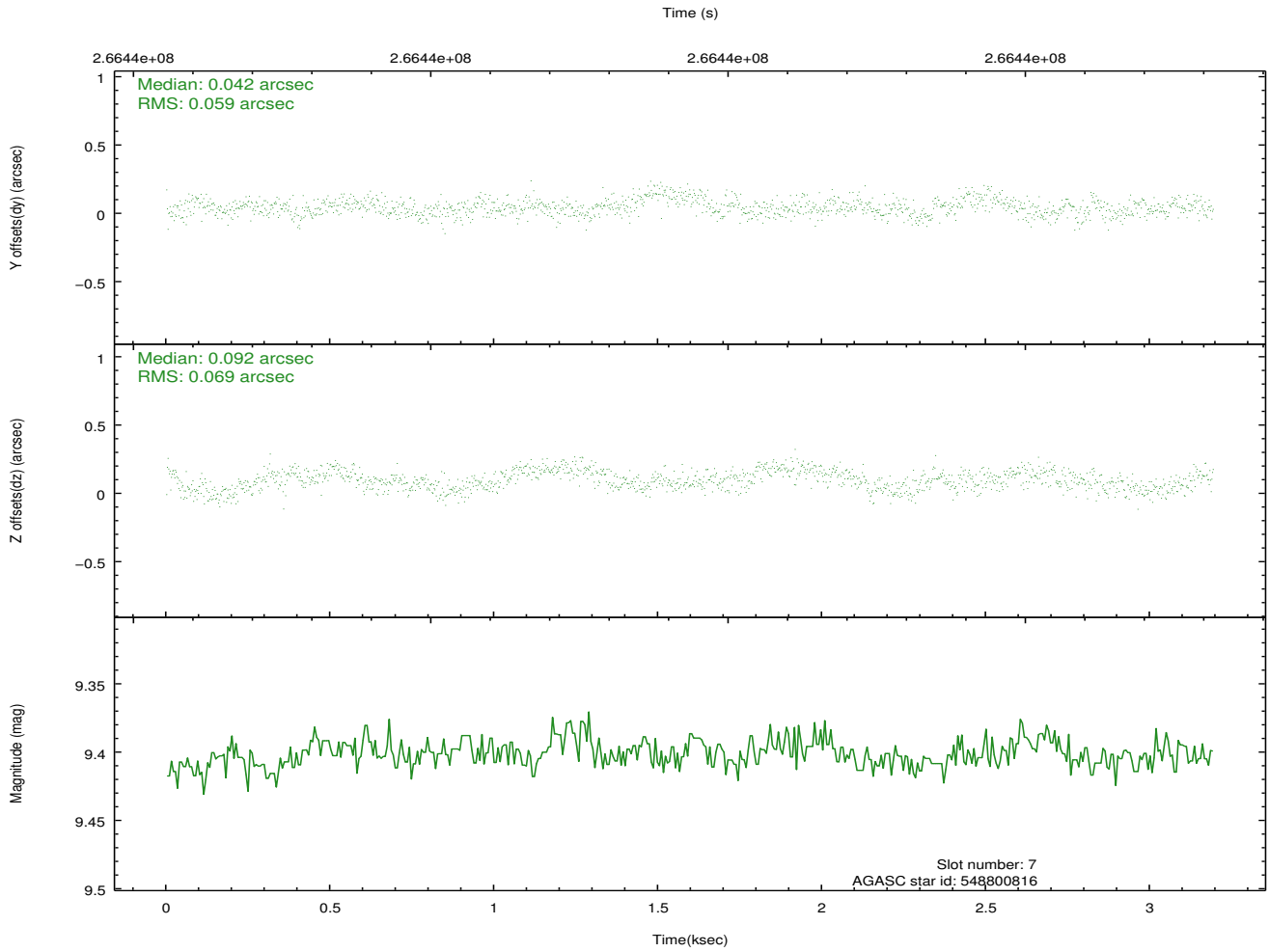
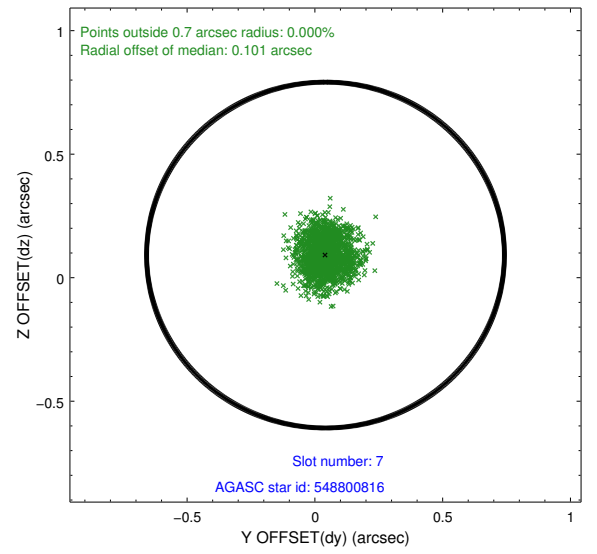
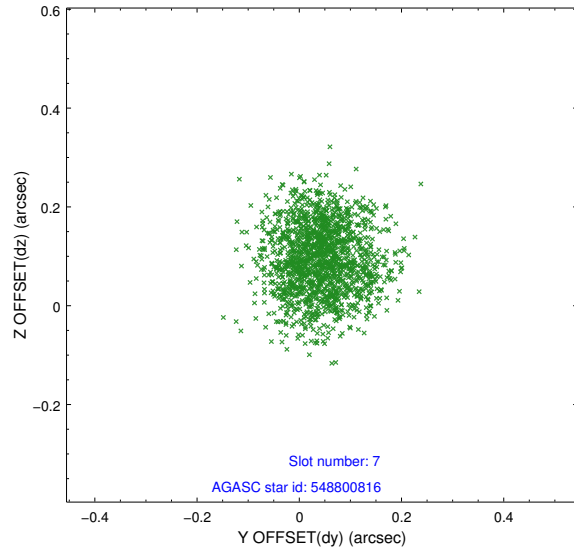
2.4.3 Slot 5



2.4.4 Slot 6

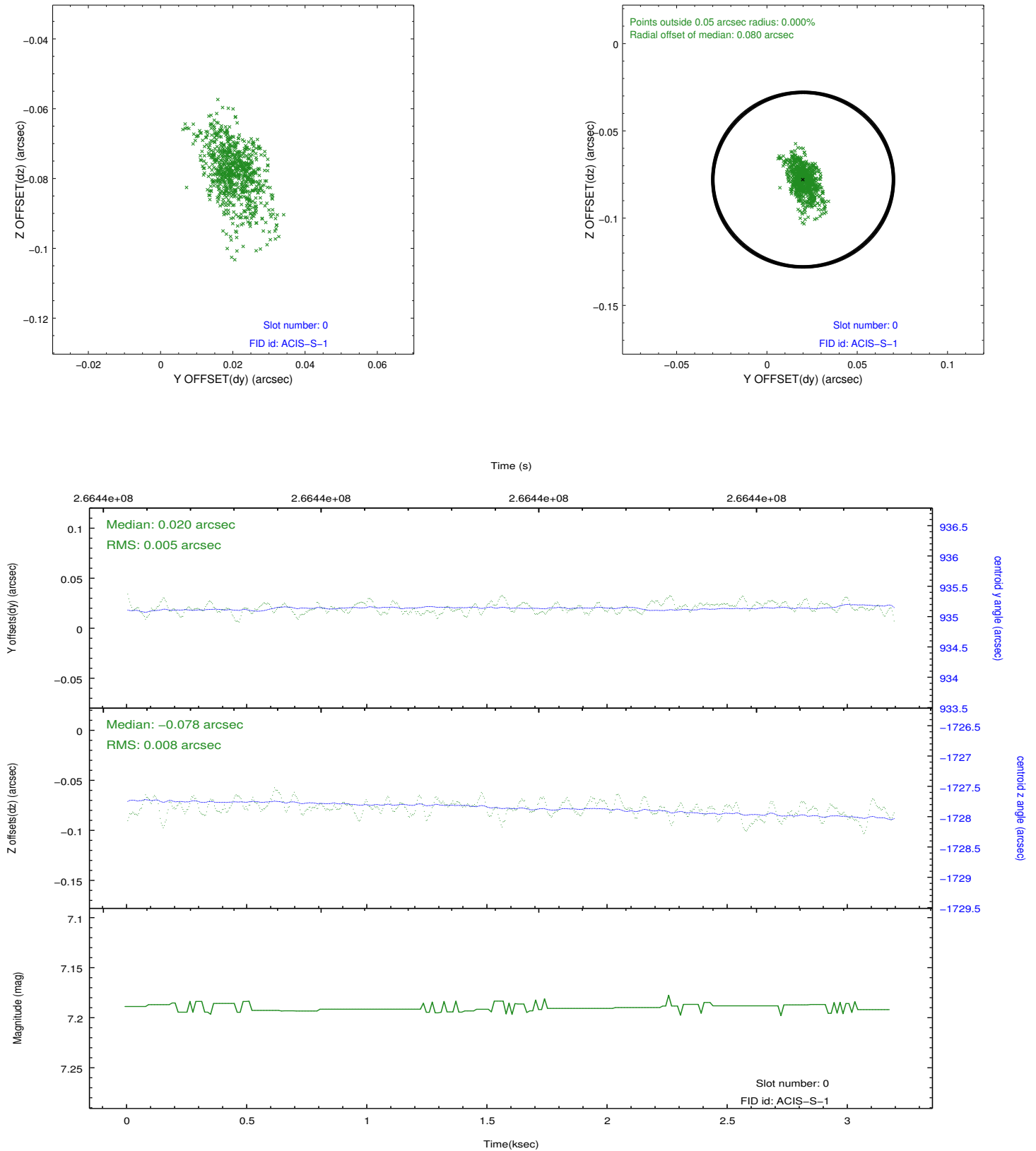


2.4.5 Slot 7

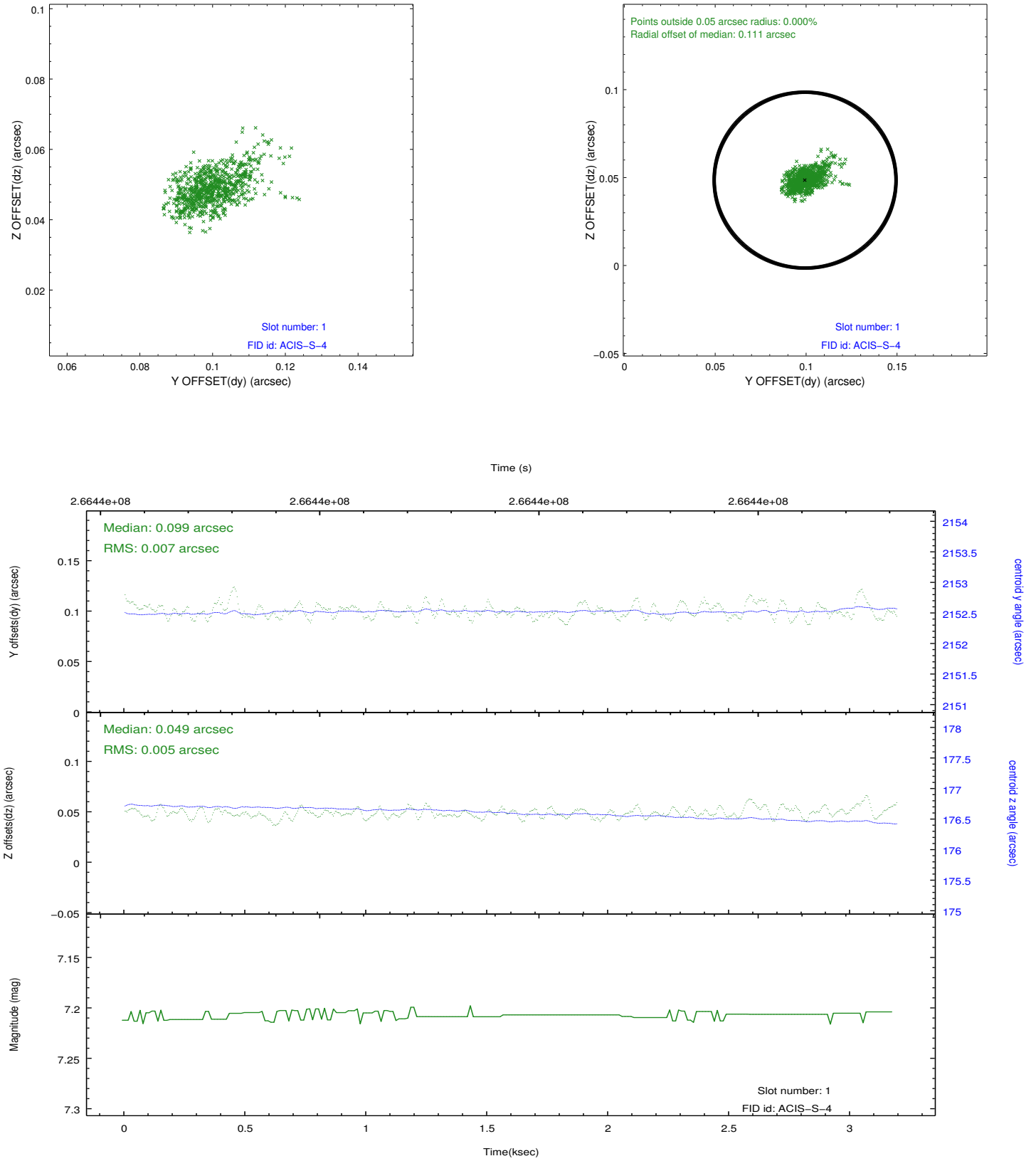


2.5 FID Slots

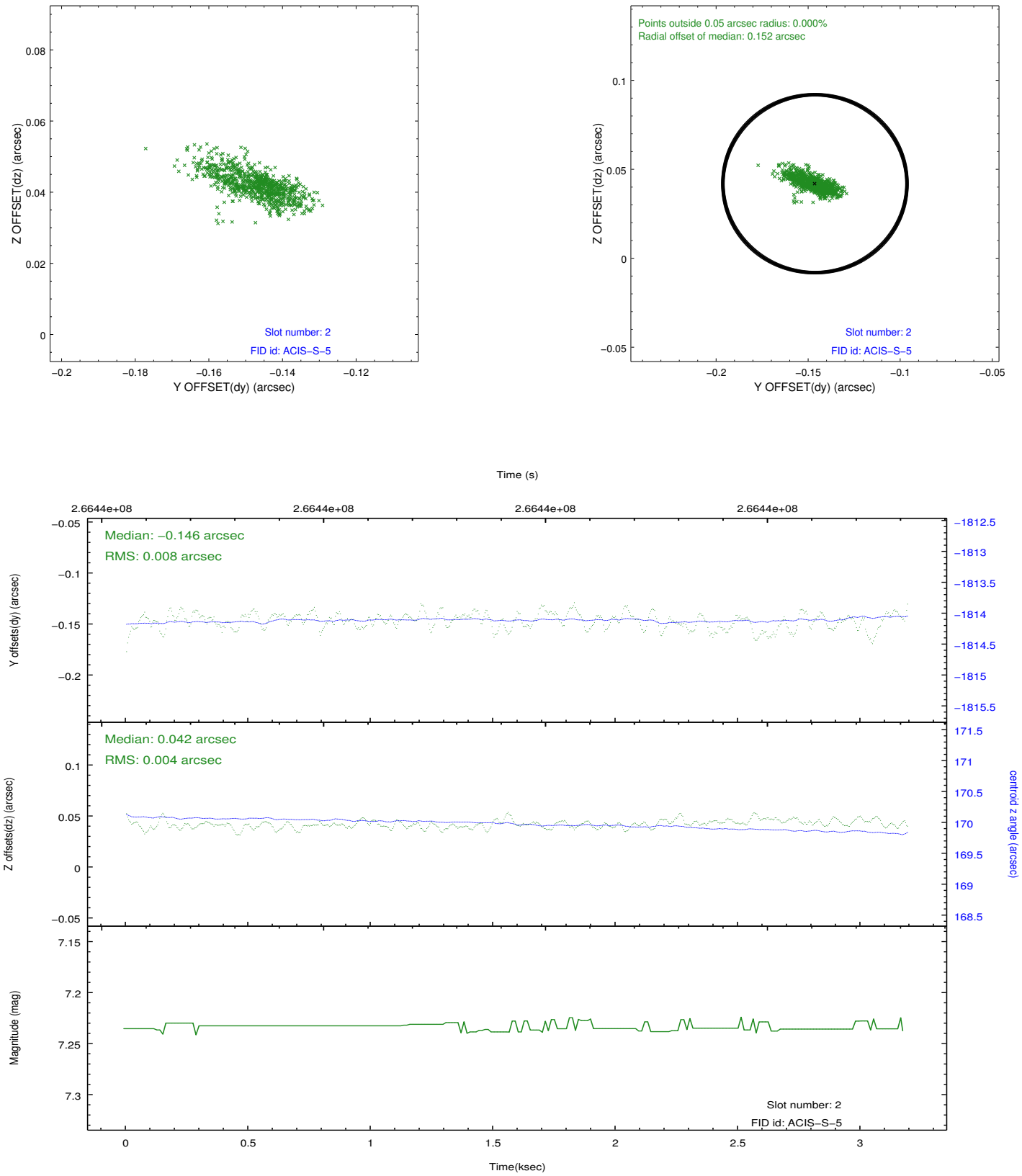
2.5.1 Slot 0



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)	2012.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.04959998

A.2 Comments