

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7864 - L2 Version 2
Chandra X-Ray Center

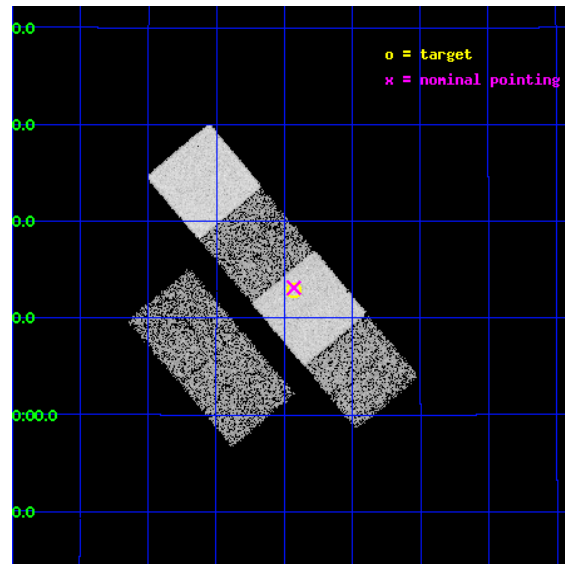
L2 Processing Date : May 4 2012

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1 Front

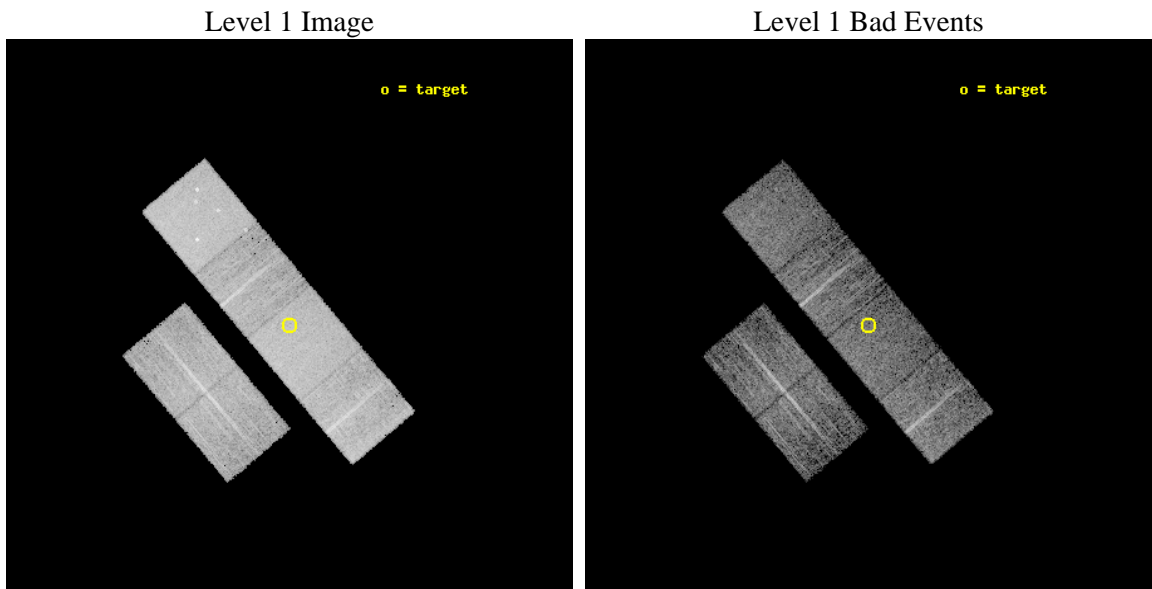
seq_num	701528	Sequence number
obs_id	7864	Observation id
title	Demographics of black holes in the local Universe.	Proposal title
observer	Prof. Smita Mathur	Principal investigator
object	NGC 4394	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	186.481667	Observer's specified target RA [deg]
dec_targ	18.213917	Observer's specified target Dec [deg]
ra_nom	186.482397918	Nominal RA [deg]
dec_nom	18.2187948088	Nominal Dec [deg]
roll_nom	49.908369403038	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5135.9999809265	Sum of GTIs [s]
livetime	5070.9648566401	Livetime [s]
ontime2	5135.9999809265	Sum of GTIs [s]
ontime3	5135.9999809265	Sum of GTIs [s]
ontime5	5135.9999809265	Sum of GTIs [s]
ontime6	5135.9999809265	Sum of GTIs [s]
ontime7	5135.9999809265	Sum of GTIs [s]
ontime8	5135.9999809265	Sum of GTIs [s]
l2events	83275	Number of level 2 events



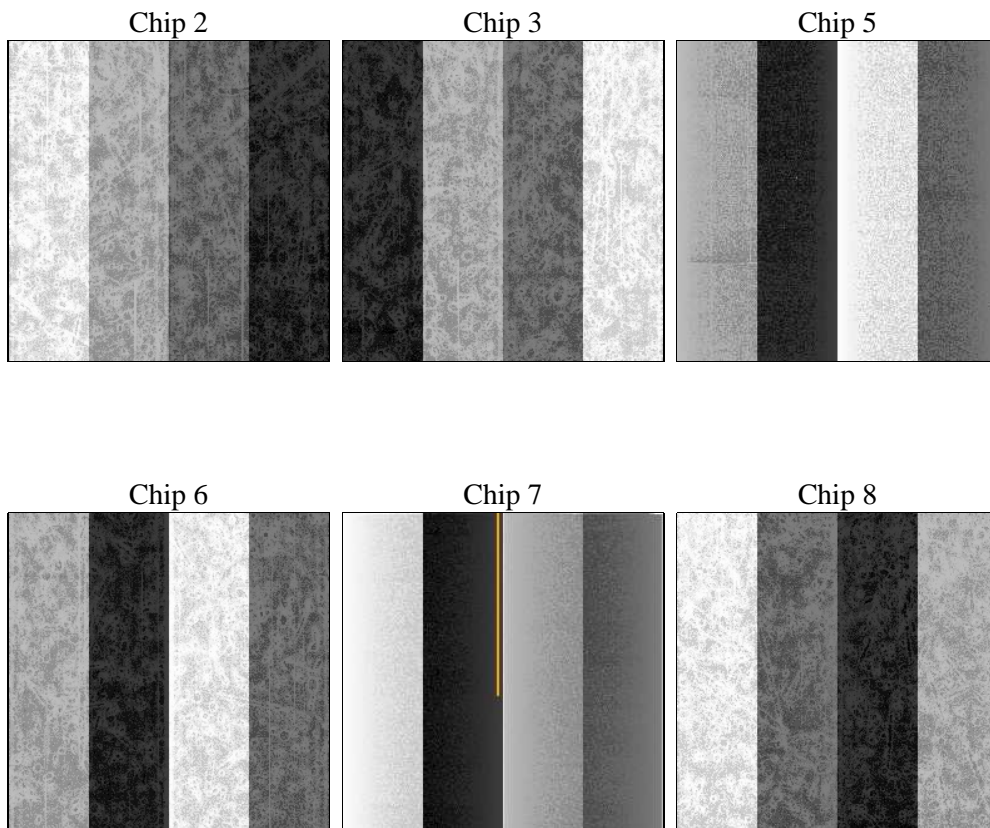
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.254000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	5135.9999809265	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	5135.9999809265	Sum of GTIs [s]
date	2012-05-04T13:33:34	Date and time of file creation	ontime3	5135.9999809265	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	5135.9999809265	Sum of GTIs [s]
			ontime6	5135.9999809265	Sum of GTIs [s]
			ontime7	5135.9999809265	Sum of GTIs [s]
			ontime8	5135.9999809265	Sum of GTIs [s]
			l1events	387380	Number of level 1 events

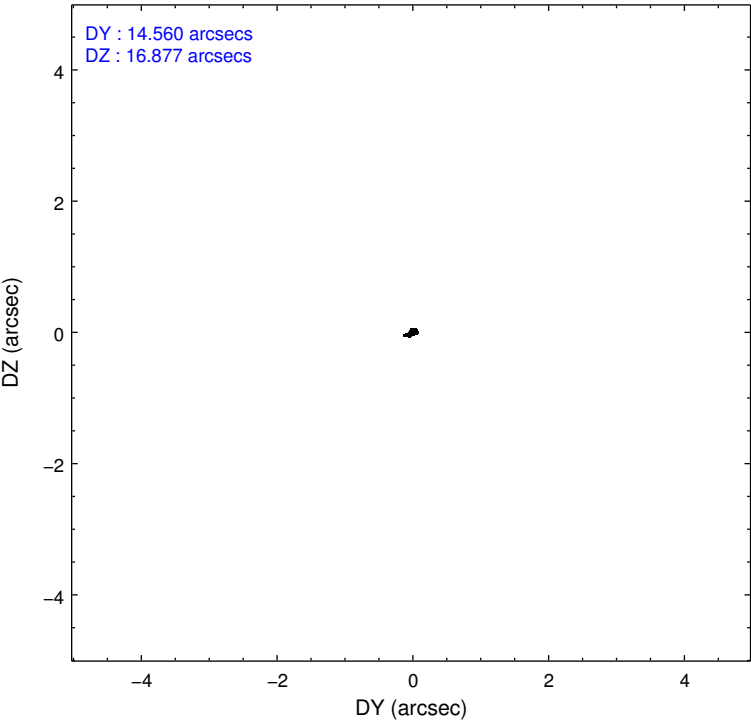
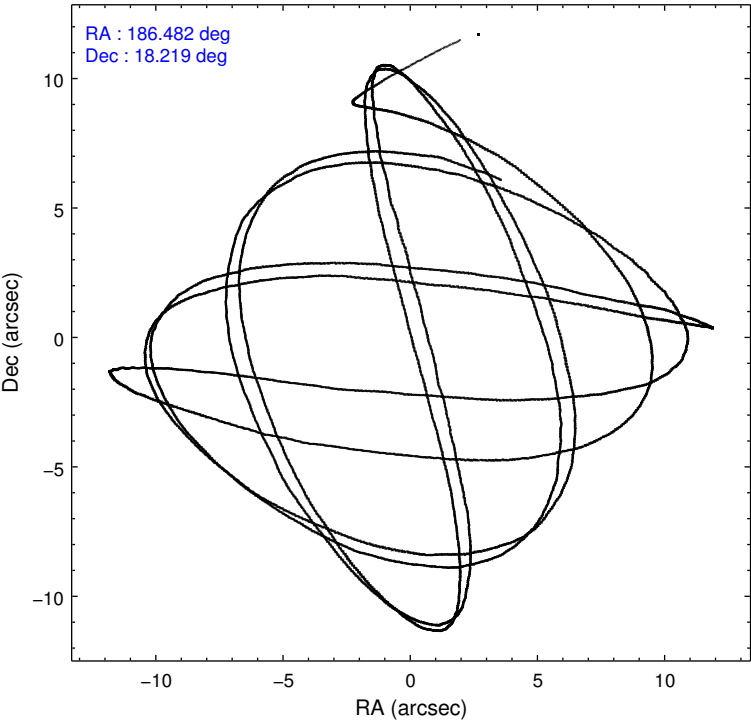
2.1.4 Events

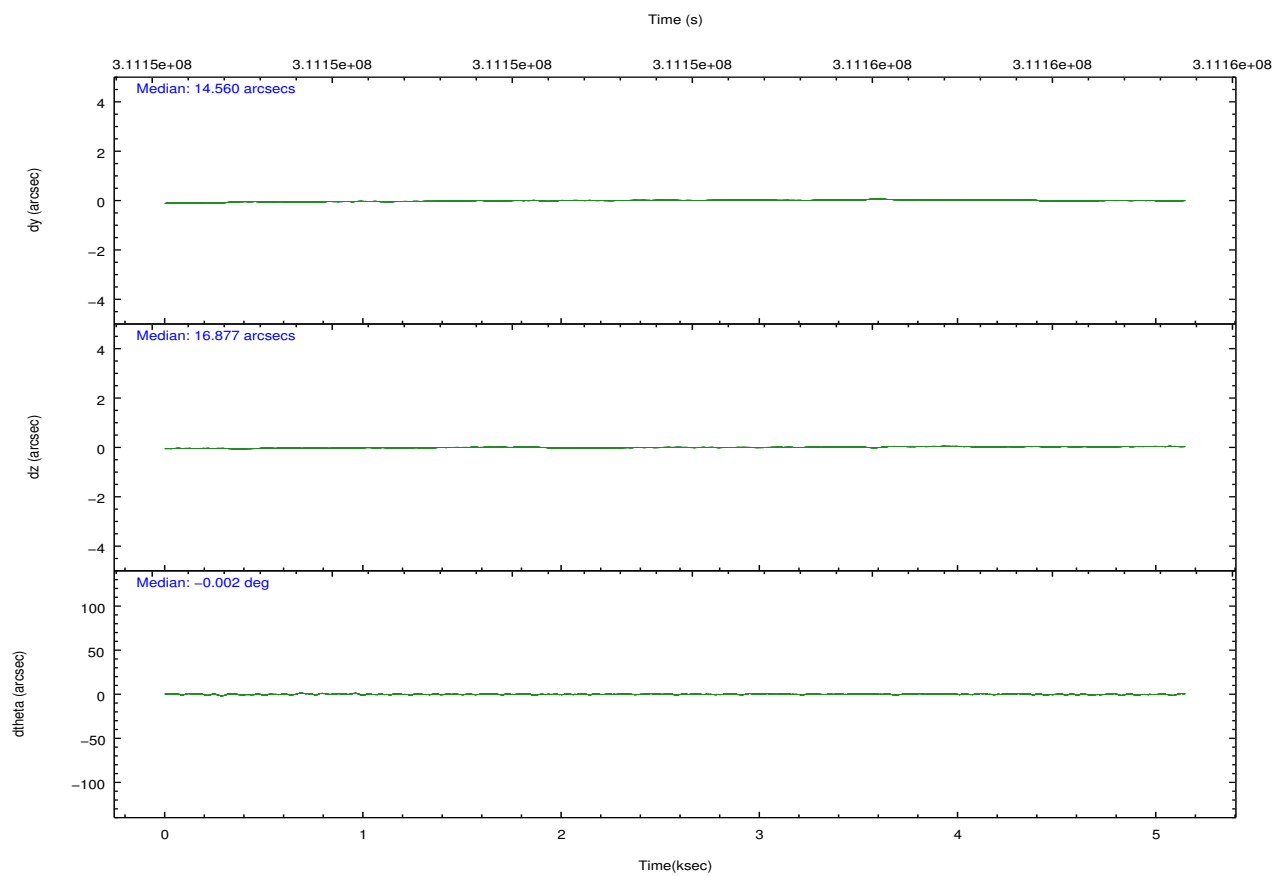
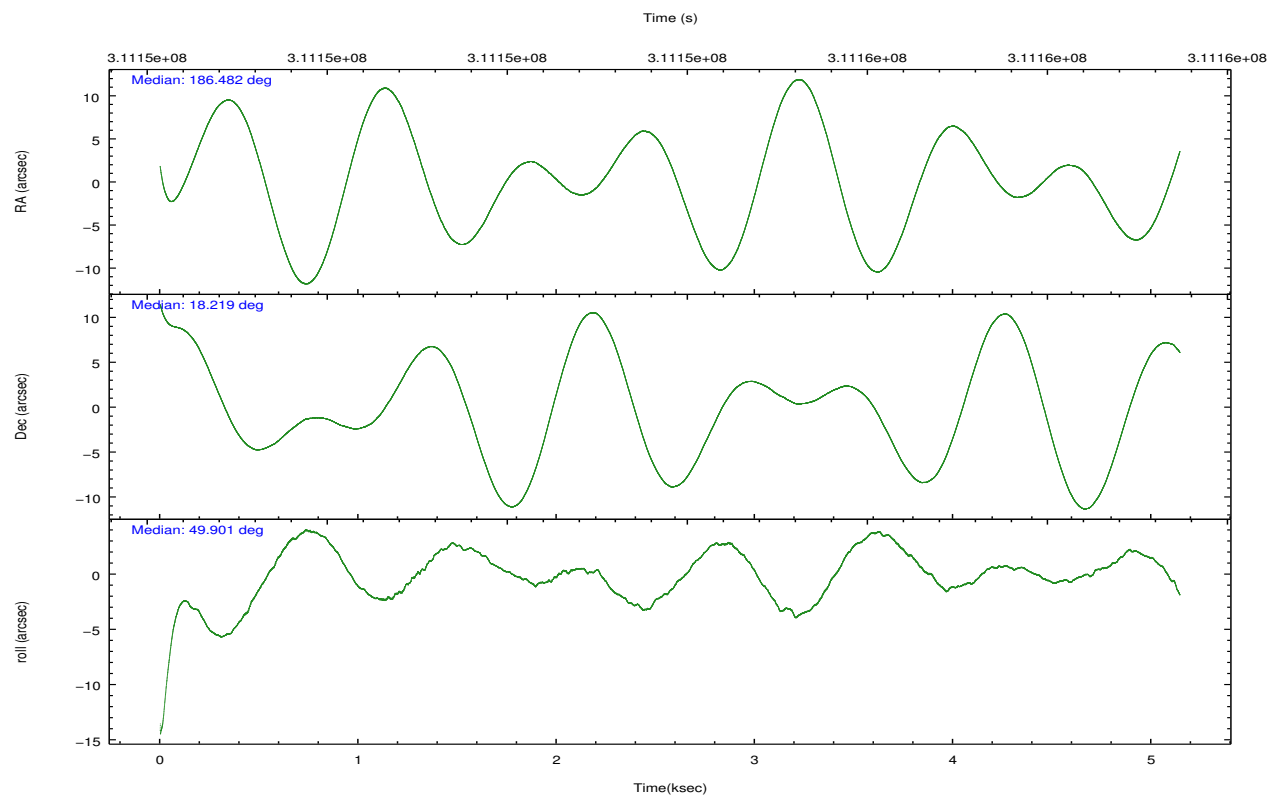
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	54307	50680	84127	54548	74701	69017	grade 0 events	2972	2762	3749	2557	2813	4918
rejected events	48317	44847	48530	48499	45695	54680		5%	5%	4%	4%	3%	7%
rejected %	88%	88%	57%	88%	61%	79%	grade 1 events	32	44	135	38	68	64
								0%	0%	0%	0%	0%	0%
							grade 2 events	1318	1207	11729	1455	6368	3714
								2%	2%	13%	2%	8%	5%
							grade 3 events	562	593	1330	637	2763	1558
								1%	1%	1%	1%	3%	2%
							grade 4 events	584	678	1244	597	2611	1465
								1%	1%	1%	1%	3%	2%
							grade 5 events	2086	2458	6004	2664	6906	3392
								3%	4%	7%	4%	9%	4%
							grade 6 events	1066	1094	20643	1306	16906	4100
								1%	2%	24%	2%	22%	5%
							grade 7 events	45687	41844	39293	45294	36266	49806
								84%	82%	46%	83%	48%	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	186.477756	186.4823979179987	Subarray requested	NONE	NONE
[deg] Pointing Dec	18.191737	18.21879480879975	Alternating exposures requested	N	N
[deg] Pointing Roll	49.753226	49.90836940303794	[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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	311151475.184000	311150202.79104			
Observation start date	2007-11-11T06:56:50	2007-11-11T06:36:42			
[s] Observation end time (MET)	311156475.184000	311156700.77885			
Observation end date	2007-11-11T08:20:10	2007-11-11T08:25:00			
Read mode	TIMED	TIMED			

2.3 Aspect



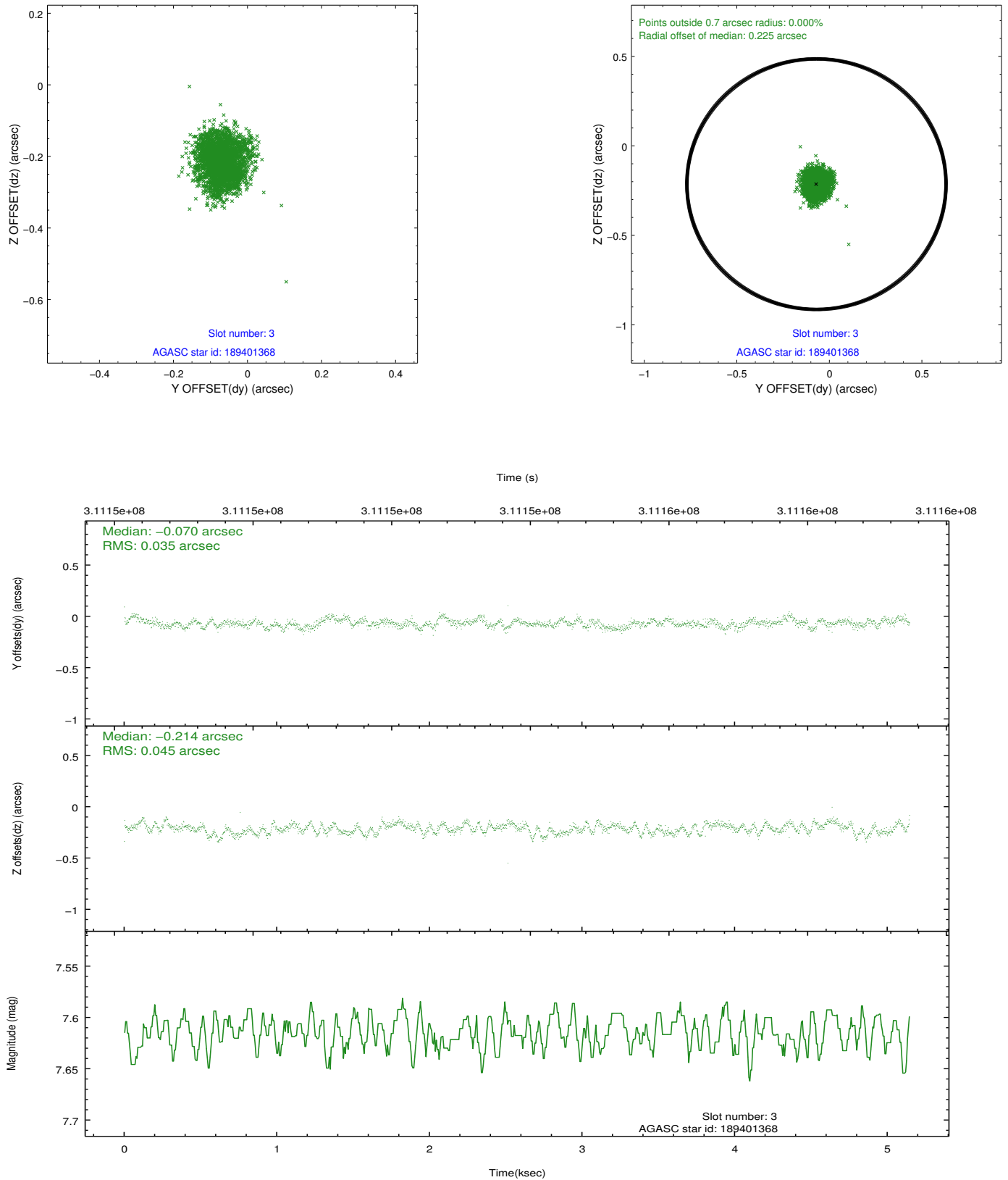


Slot Statistics

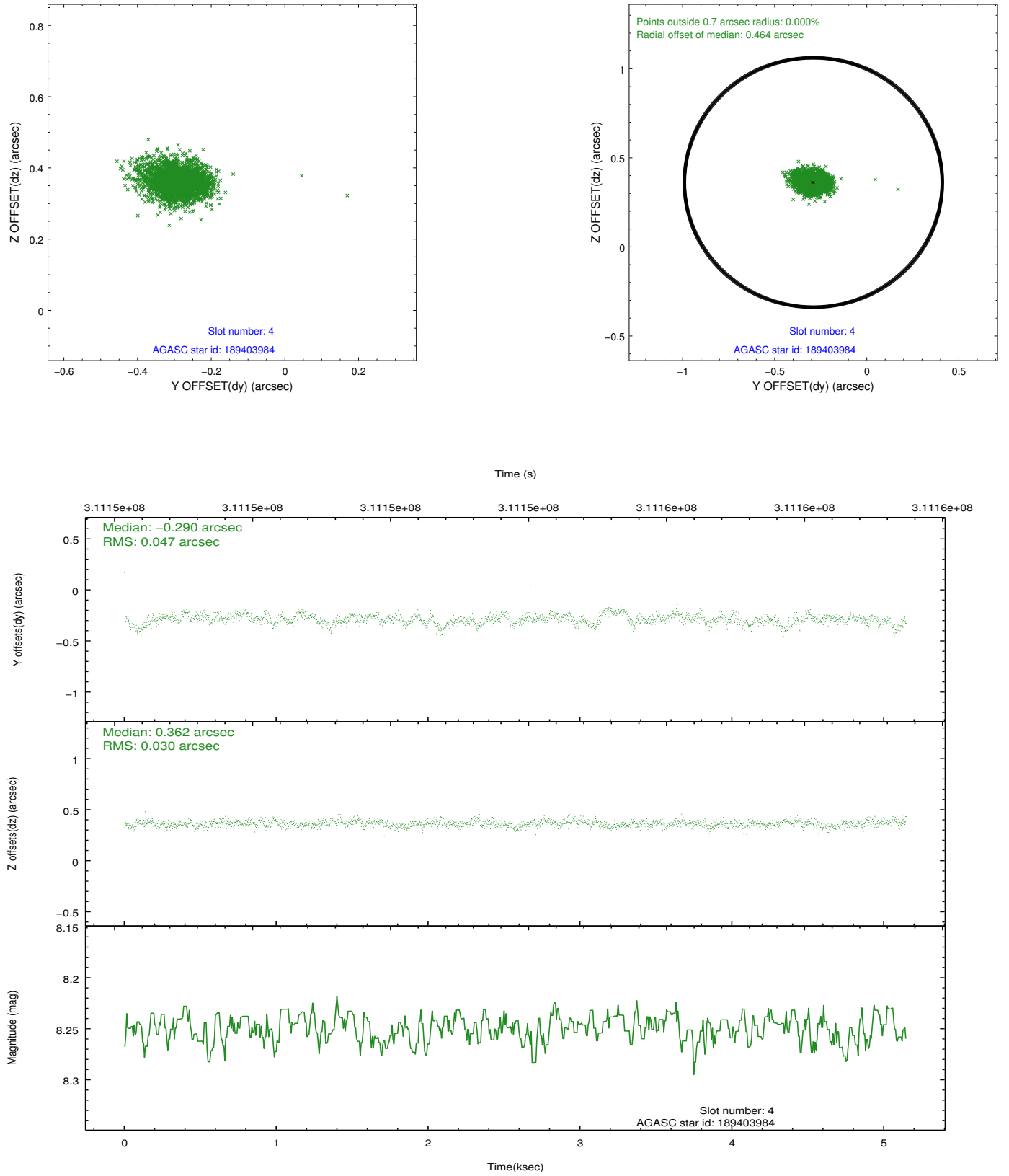
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1255	-0.103	-0.069	0.005	0.010	0.000000	0.000000	-767.67	-1738.30
1	FID	ACIS-S-4	7.18	1255	0.119	0.049	0.006	0.010	0.000000	0.000000	2145.35	168.99
2	FID	ACIS-S-6	7.32	1255	-0.044	0.027	0.007	0.012	0.000000	0.000000	395.96	807.76
3	GUIDE	189401368	7.62	2511	-0.070	-0.214	0.062	0.094	186.150770	18.668355	589.59	1960.22
4	GUIDE	189403984	8.25	2511	-0.290	0.362	0.056	0.098	187.021519	18.330647	1584.49	-1092.19
5	GUIDE	189405064	7.35	2511	0.091	0.205	0.058	0.091	186.887888	17.834342	-72.09	-1903.27
6	GUIDE	189411056	8.70	2511	0.269	-0.046	0.063	0.100	186.168211	17.852769	-1616.30	20.06
7	GUIDE	189665040	8.42	2509	-0.000	-0.302	0.063	0.101	186.390146	18.867028	1661.70	1798.31

2.4 Star Slots

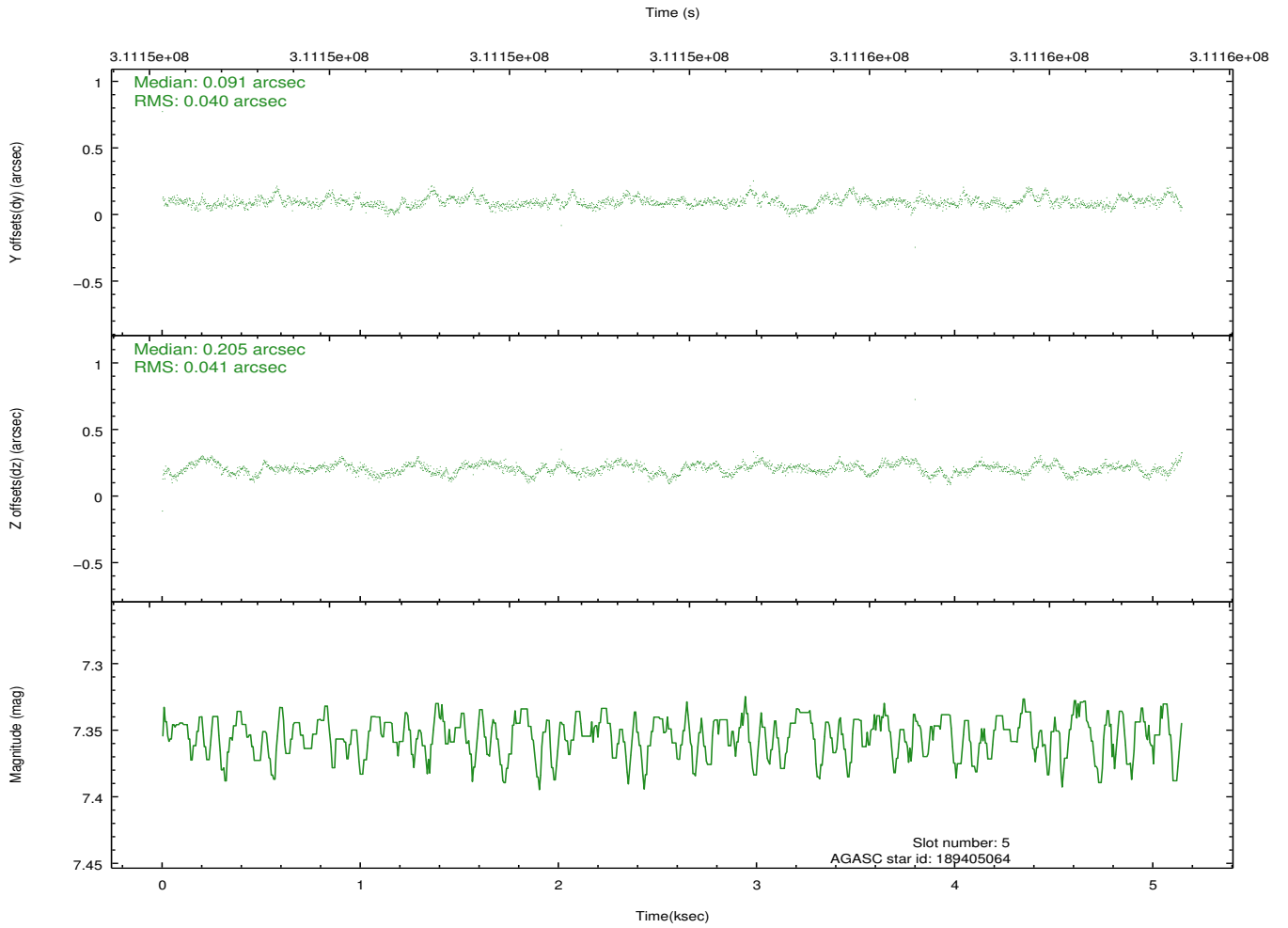
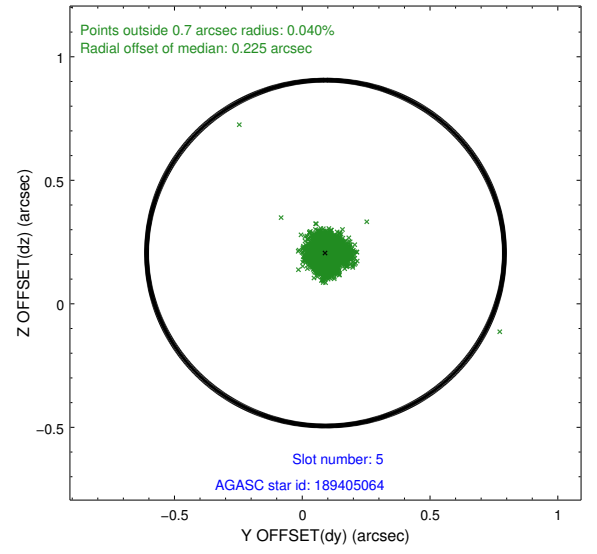
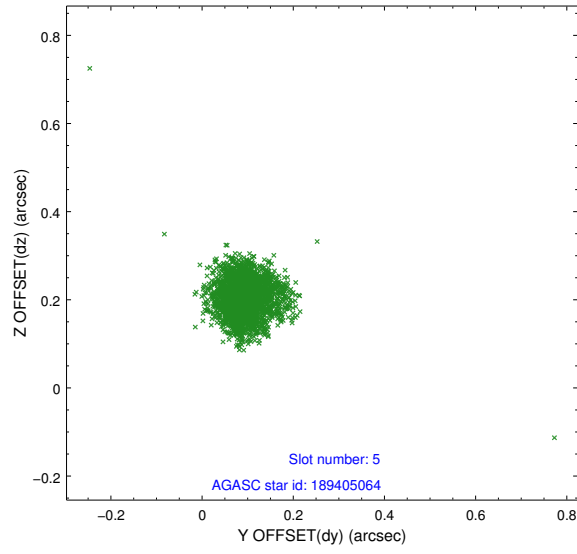
2.4.1 Slot 3



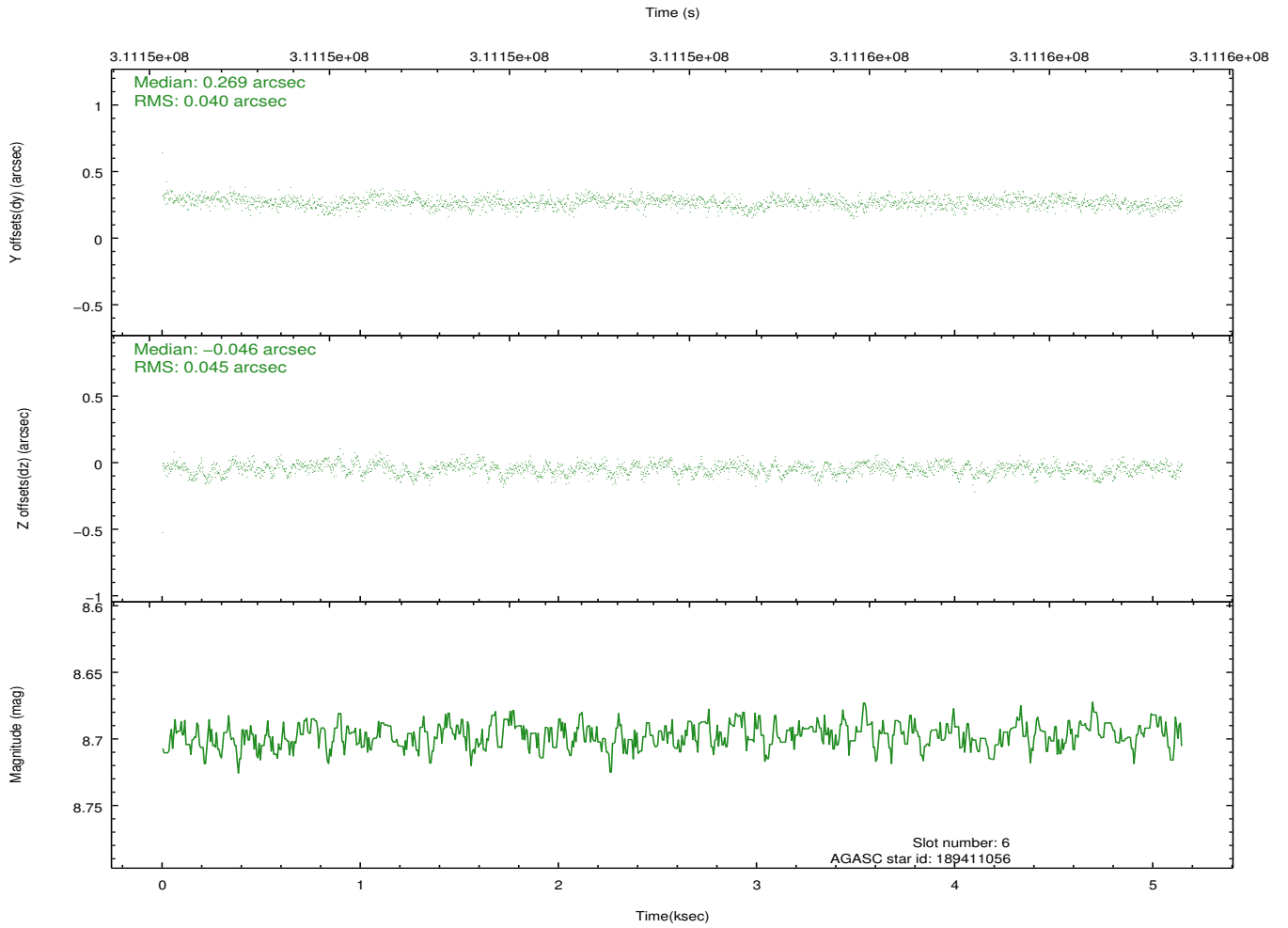
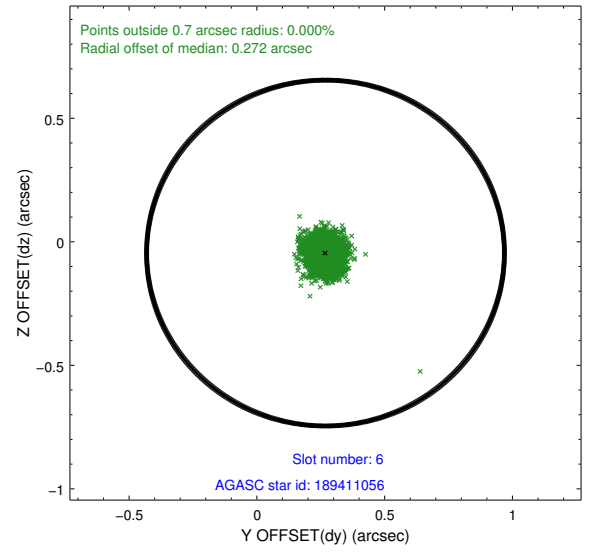
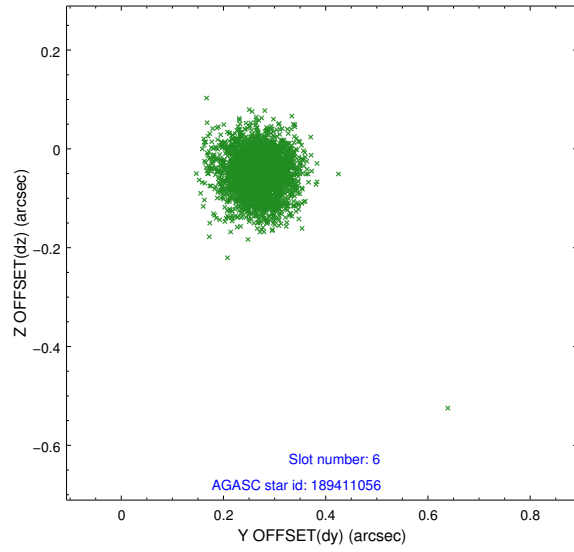
2.4.2 Slot 4



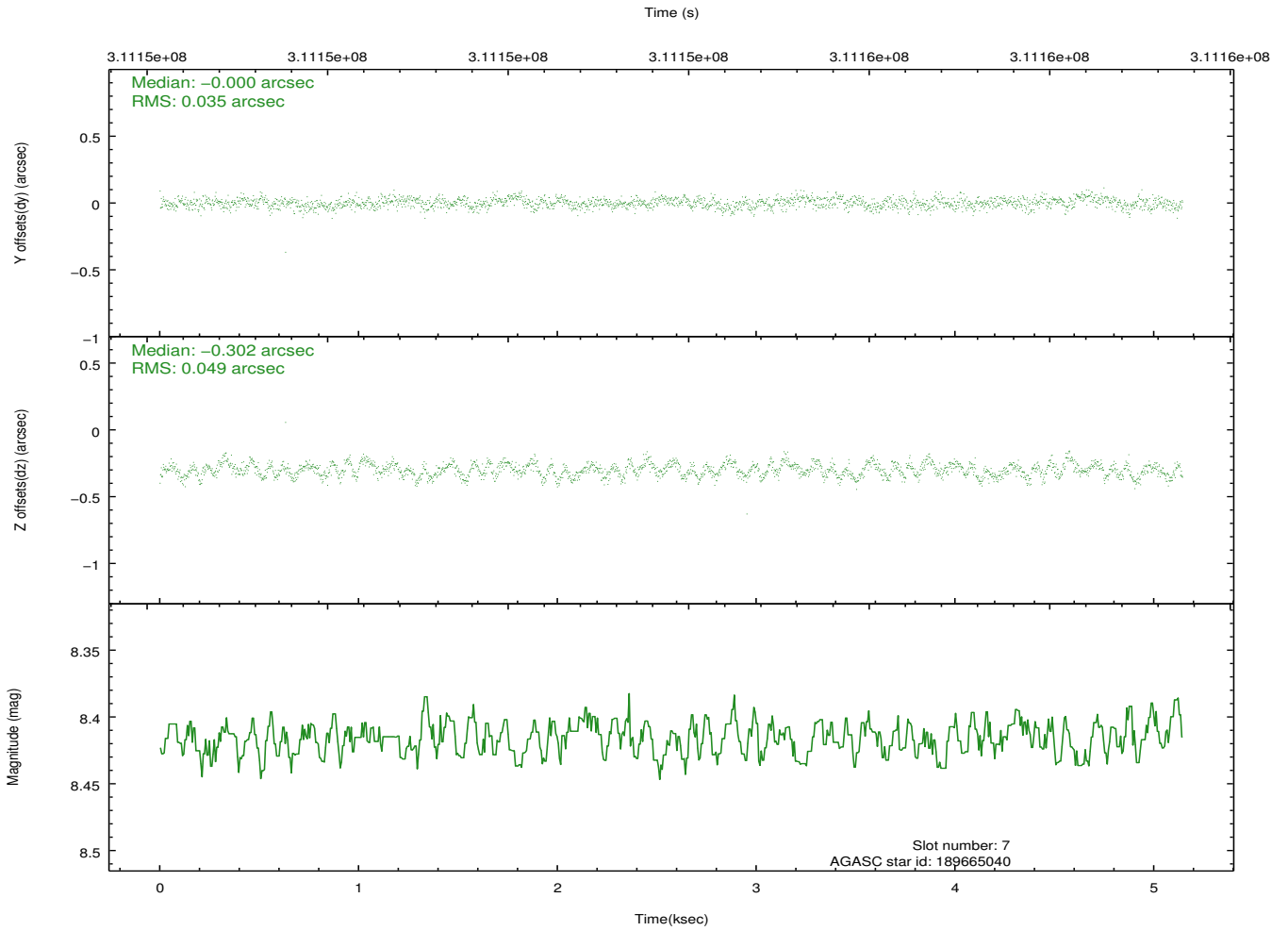
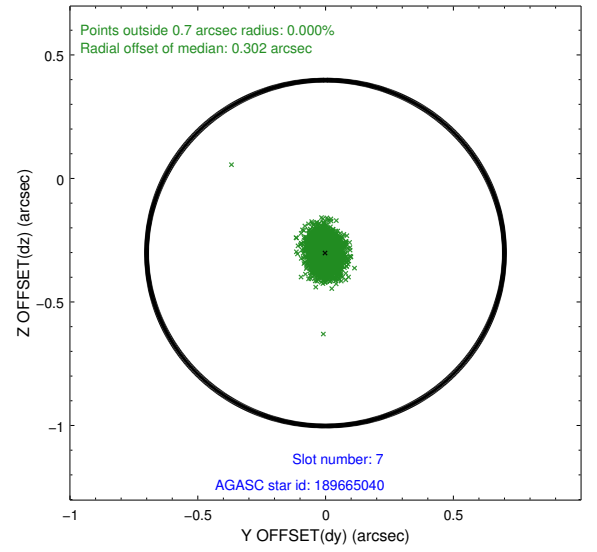
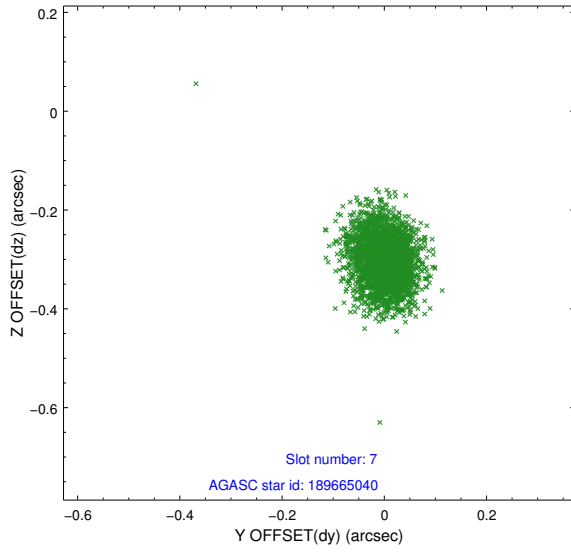
2.4.3 Slot 5



2.4.4 Slot 6

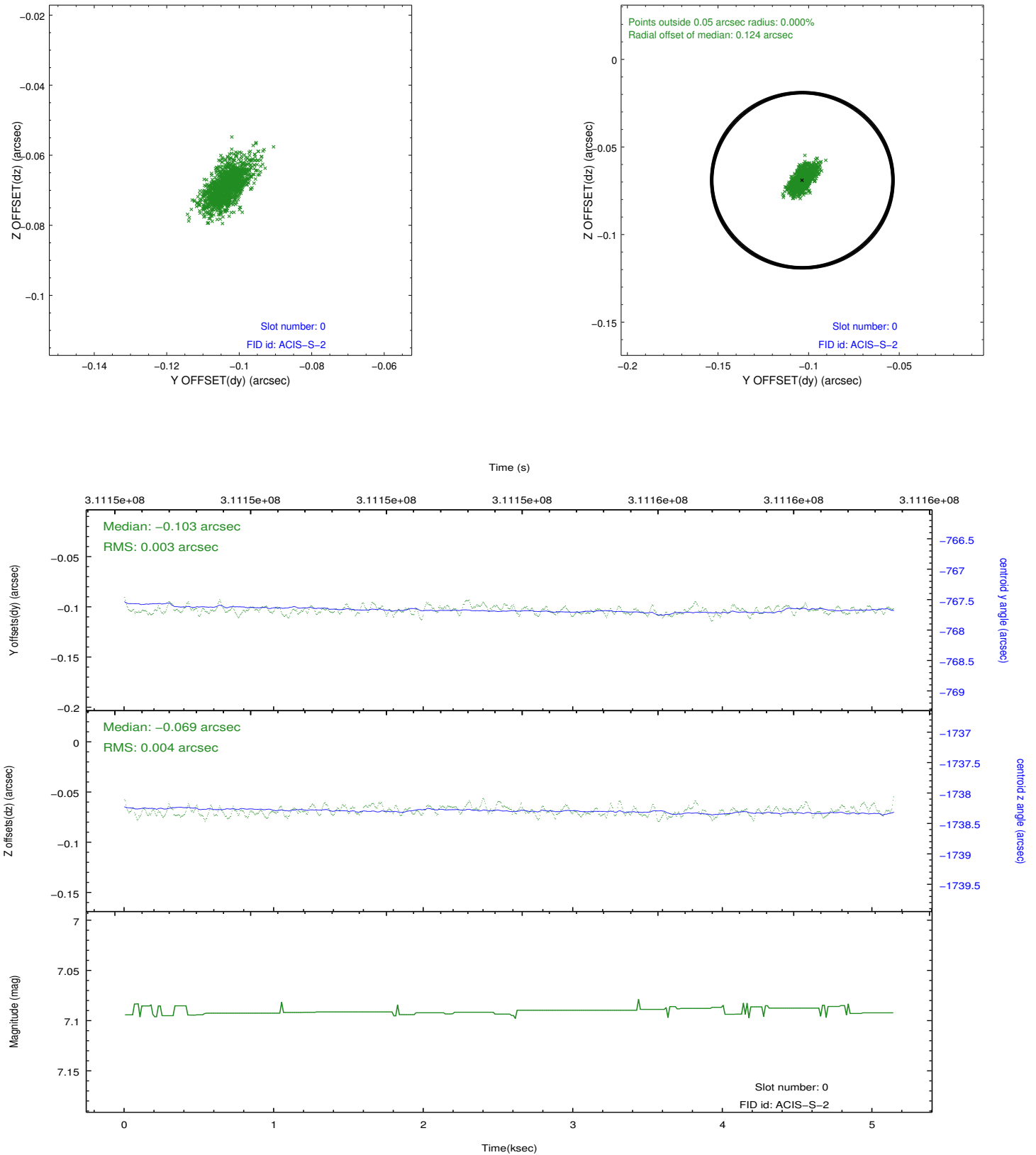


2.4.5 Slot 7

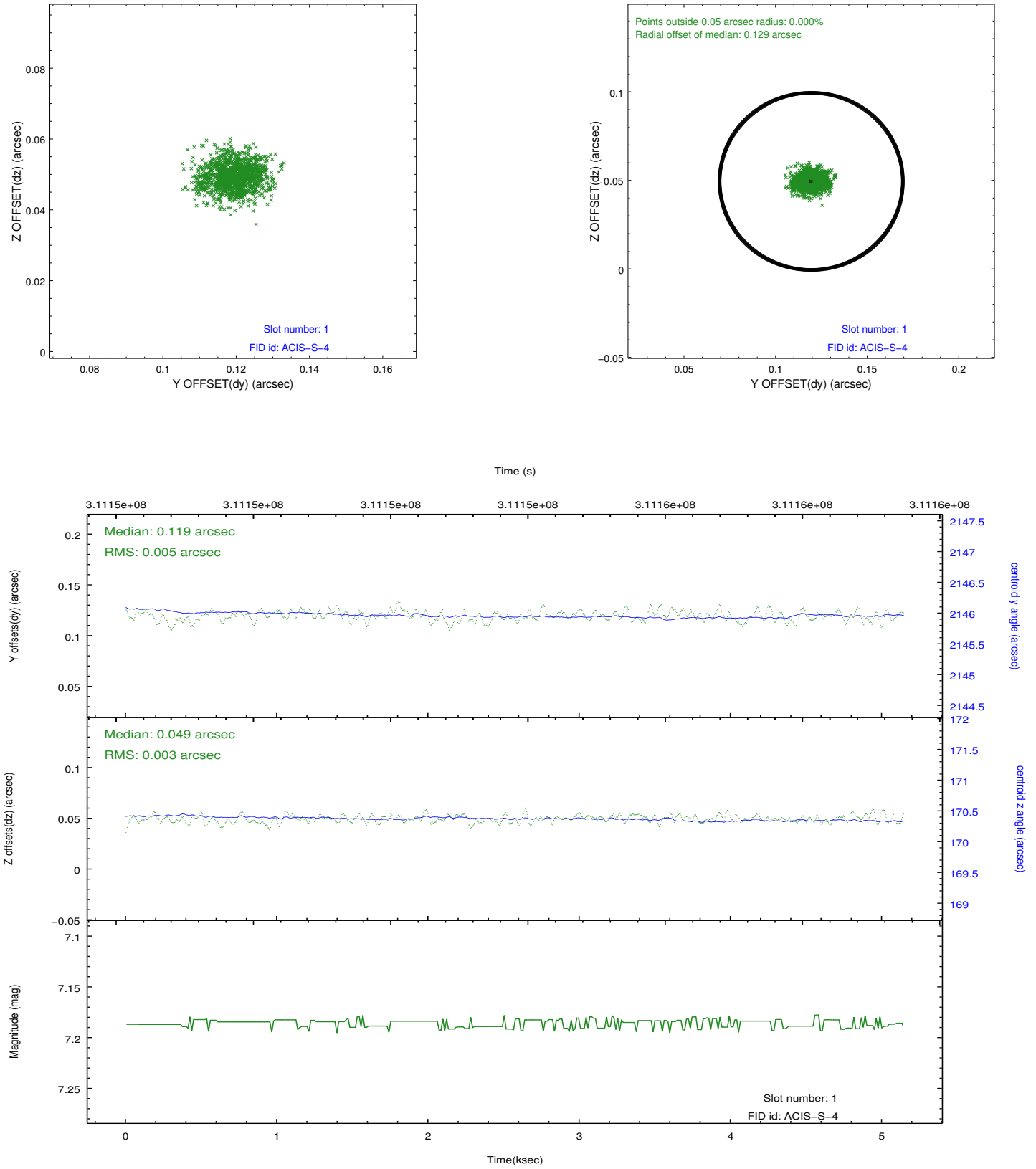


2.5 FID Slots

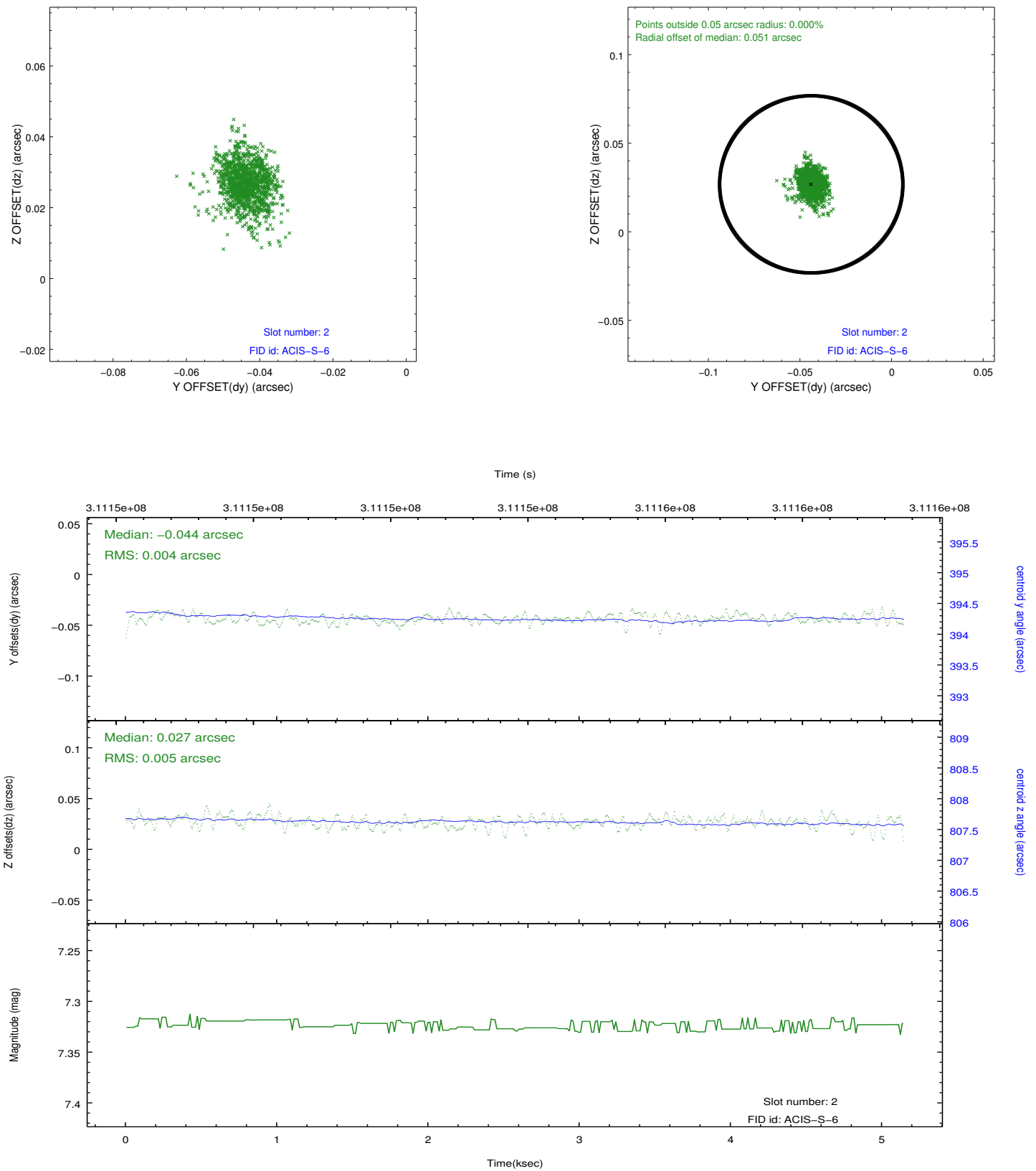
2.5.1 Slot 0



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)	2012.05.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.13599998

A.2 Comments