

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 12985 - L2 Version 2
Chandra X-Ray Center

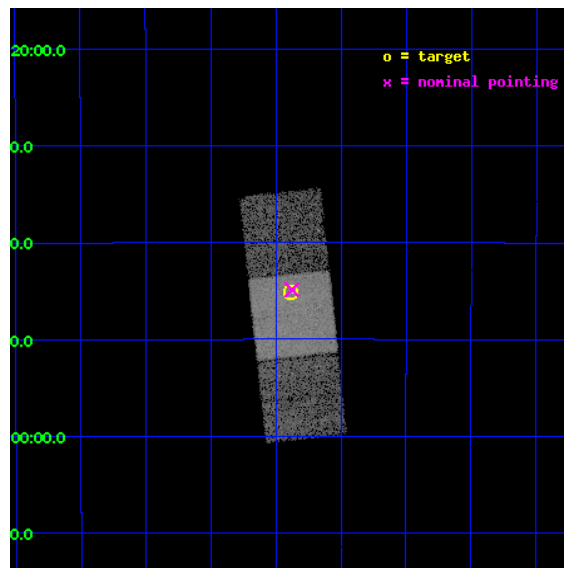
L2 Processing Date : Jul 6 2012

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1 Front

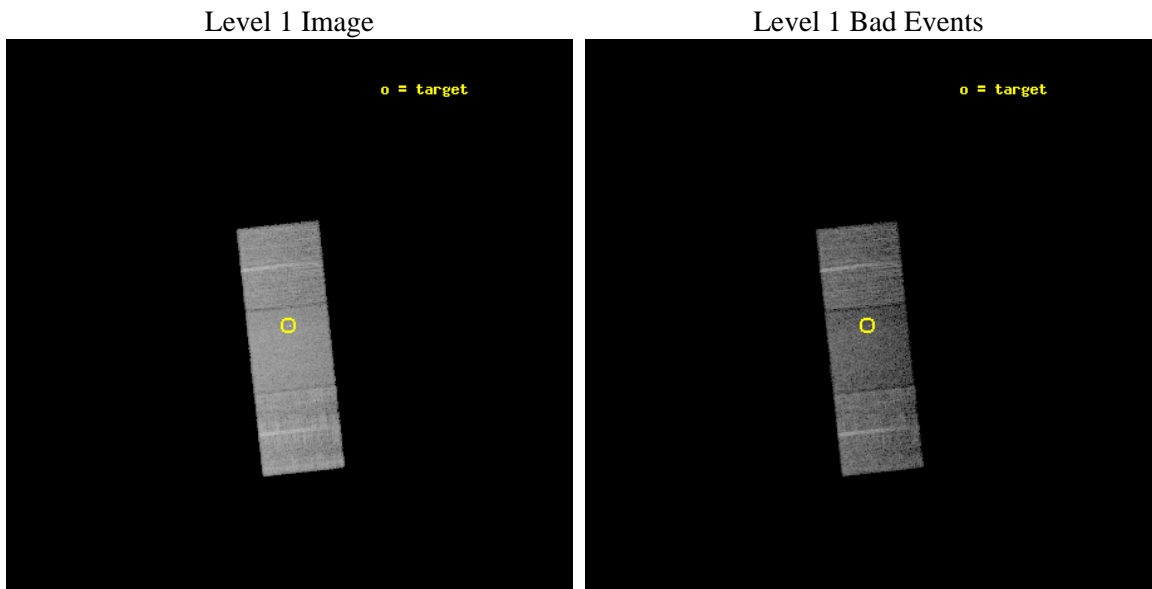
seq_num	600953	Sequence number
obs_id	12985	Observation id
title	Black-hole--galaxy co-evolution at the end of the Hubble sequence	
observer	Prof. Smita Mathur	Principal investigator
object	ESO 501-G023	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	158.846667	Observer's specified target RA [deg]
dec_targ	-24.7525	Observer's specified target Dec [deg]
ra_nom	158.84433804388	Nominal RA [deg]
dec_nom	-24.748151713438	Nominal Dec [deg]
roll_nom	83.817325316426	Nominal Roll [deg]
revision	2	Processing version of data
ontime	10059.491106331	Sum of GTIs [s]
livetime	9928.0564493375	Livetime [s]
ontime6	10059.450066328	Sum of GTIs [s]
ontime7	10059.491106331	Sum of GTIs [s]
ontime8	10059.409026325	Sum of GTIs [s]
l2events	56325	Number of level 2 events



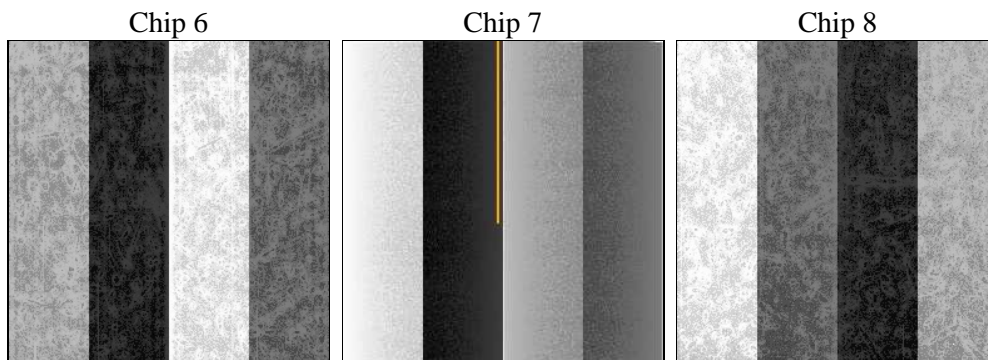
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	10059.491106331	Sum of GTIs [s]
caldbver	4.5.0	 	ontime6	10059.450066328	Sum of GTIs [s]
date	2012-07-06T12:53:26	Date and time of file creation	ontime7	10059.491106331	Sum of GTIs [s]
revision	2	Processing version of data	ontime8	10059.409026325	Sum of GTIs [s]
			l1events	261429	Number of level 1 events

2.1.4 Events

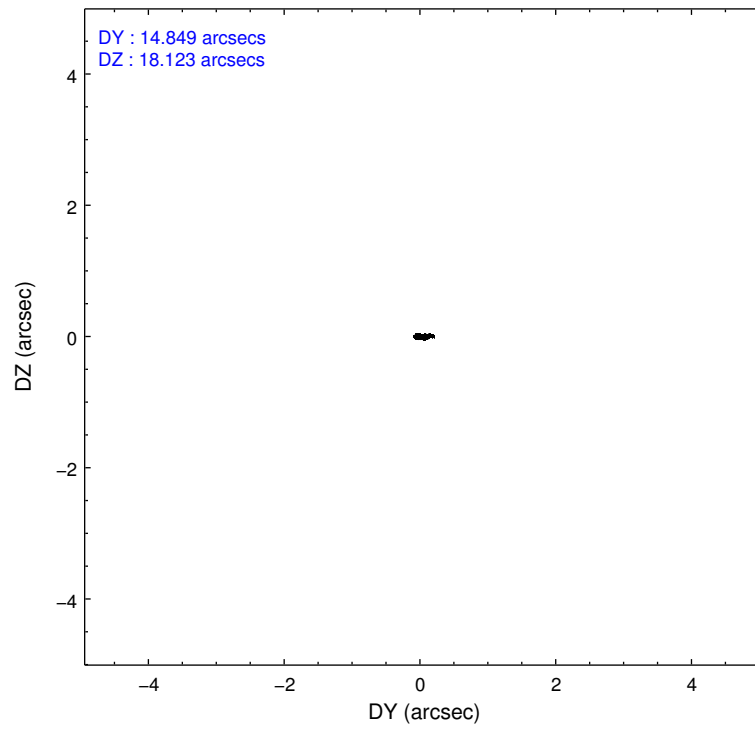
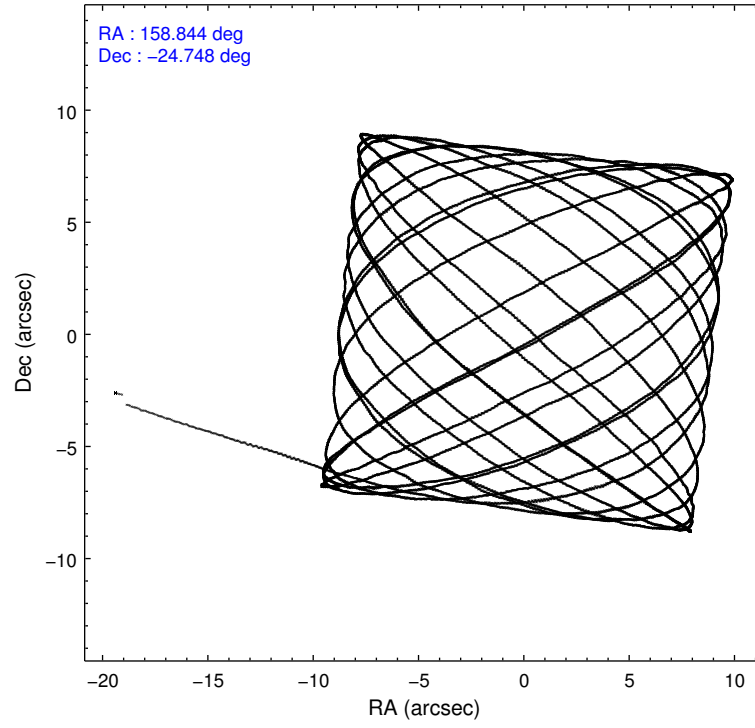
	ccd 6	ccd 7	ccd 8
level 1 events	75055	89897	96477
rejected events	66721	48634	70072
rejected %	88%	54%	72%

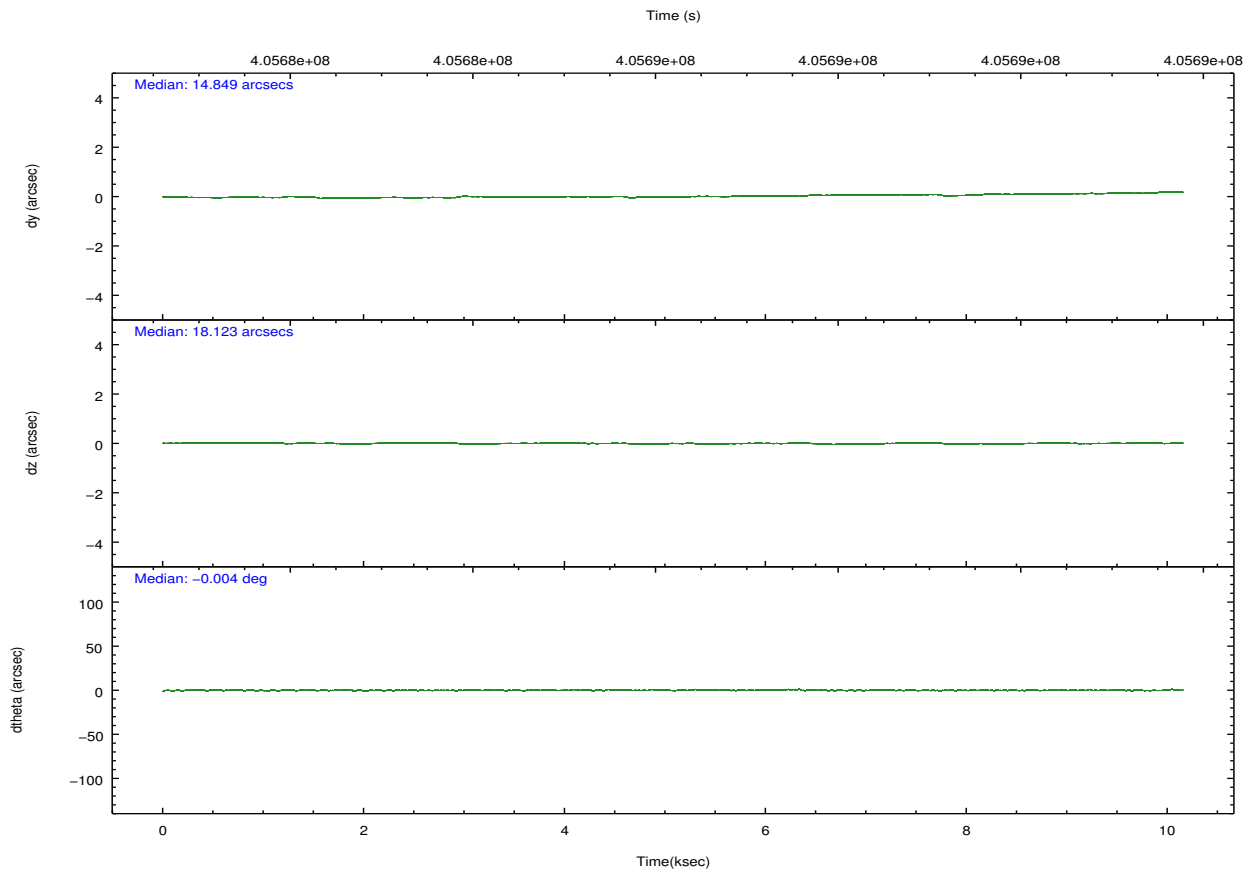
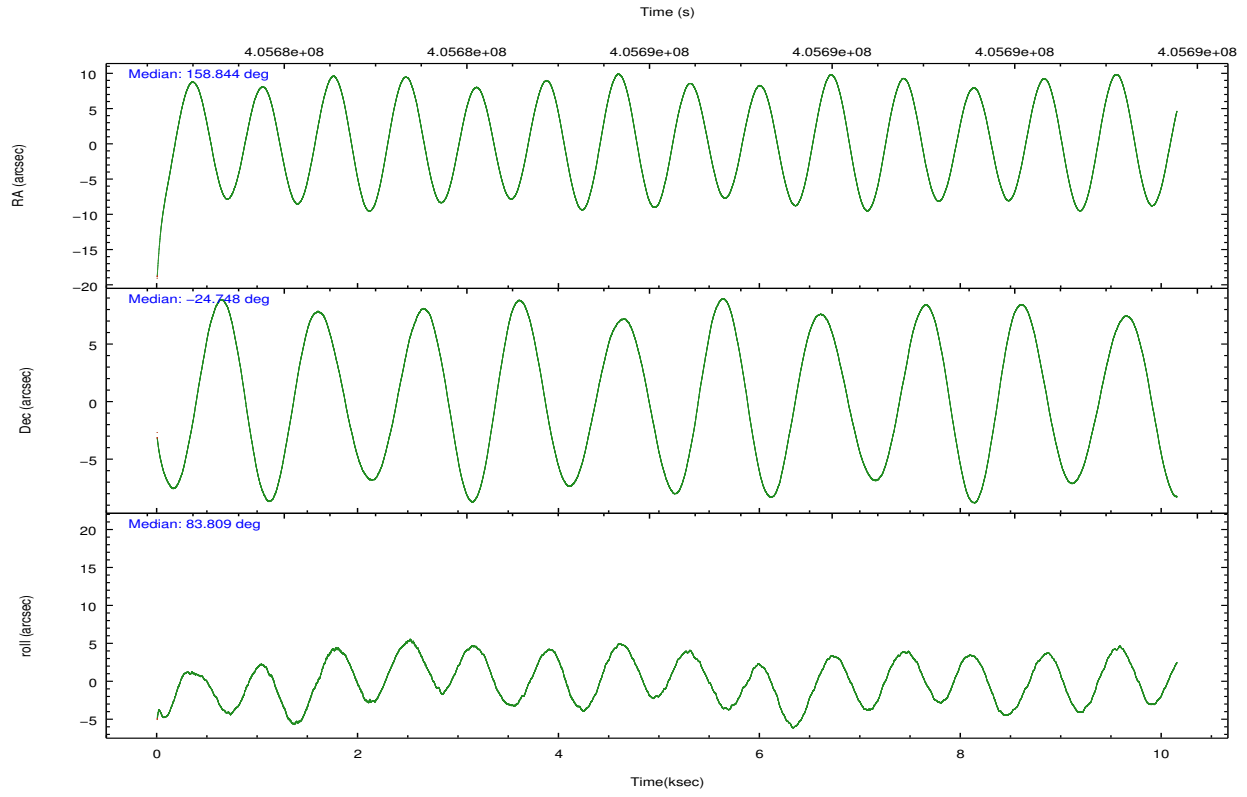
	ccd 6	ccd 7	ccd 8
grade 0 events	2945	3938	8092
	3%	4%	8%
grade 1 events	44	98	82
	0%	0%	0%
grade 2 events	1820	8334	6206
	2%	9%	6%
grade 3 events	893	3688	2790
	1%	4%	2%
grade 4 events	866	3569	2584
	1%	3%	2%
grade 5 events	3331	9119	4948
	4%	10%	5%
grade 6 events	1811	21744	6736
	2%	24%	6%
grade 7 events	63345	39407	65039
	84%	43%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	158.856901	158.8443380438793	CCD I2 on	N	N
[deg] Pointing Dec	-24.772984	-24.74815171343796	CCD I3 on	N	N
[deg] Pointing Roll	83.665955	83.81732531642561	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O1	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	O2	Y
[s] Observation start time (MET)	405681278.184000	405680098.88809	CCD S5 on	N	N
Observation start date	2010-11-09T09:13:32	2010-11-09T08:54:58	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	405691278.184000	405692220.02622	On-chip summing requested	N	N
Observation end date	2010-11-09T12:00:12	2010-11-09T12:17:00	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



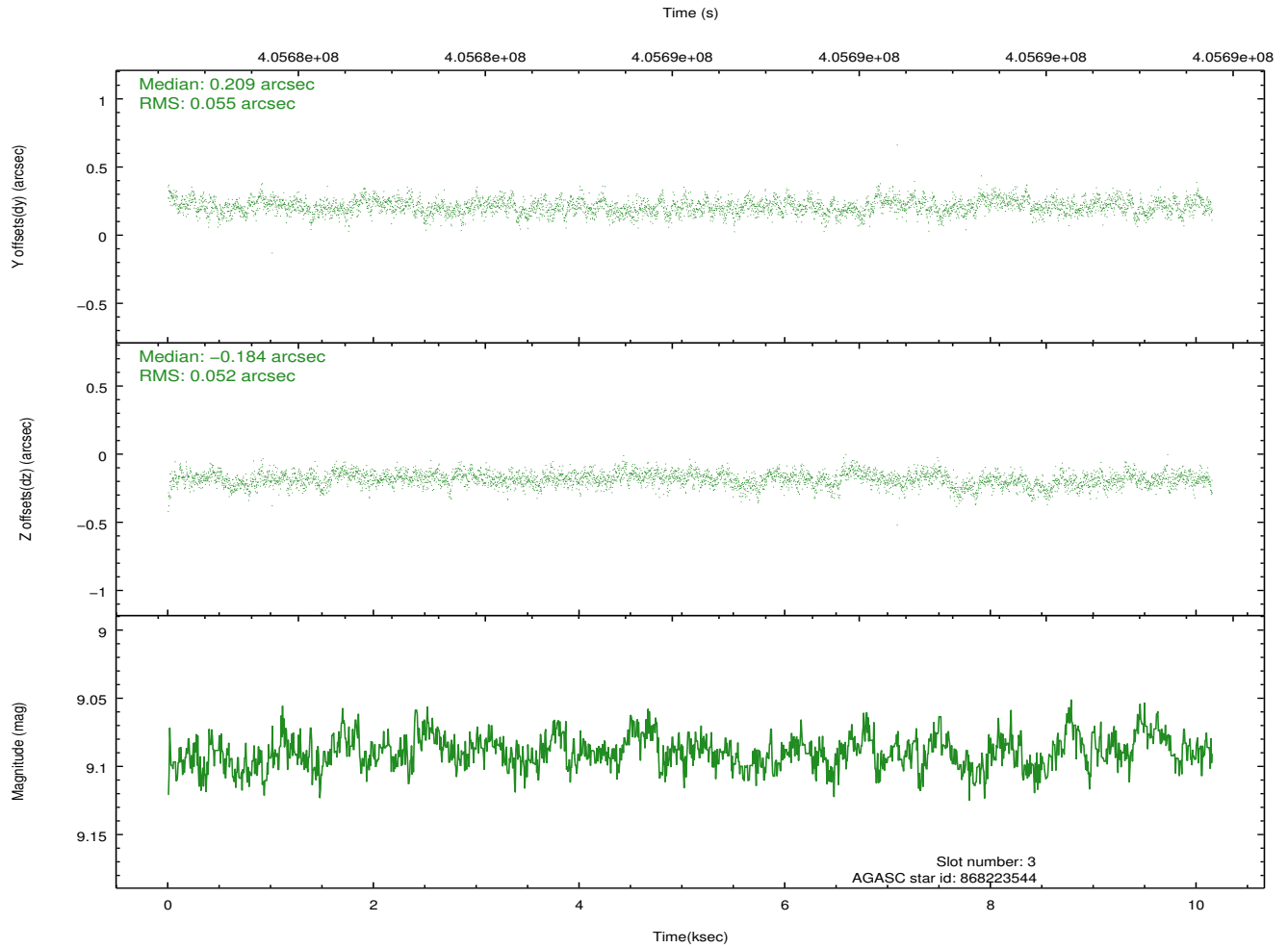
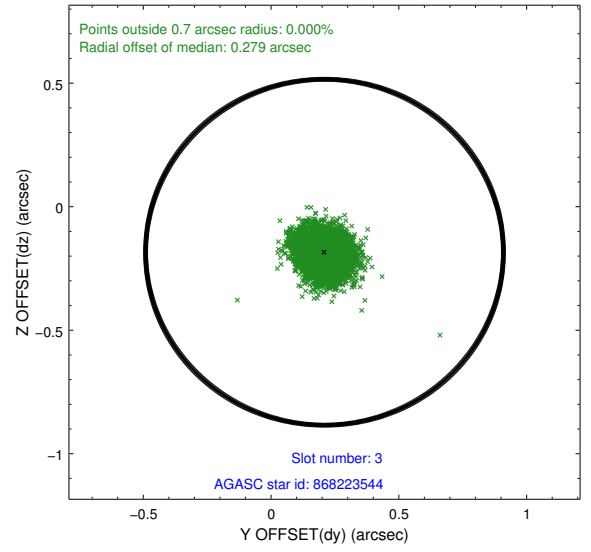
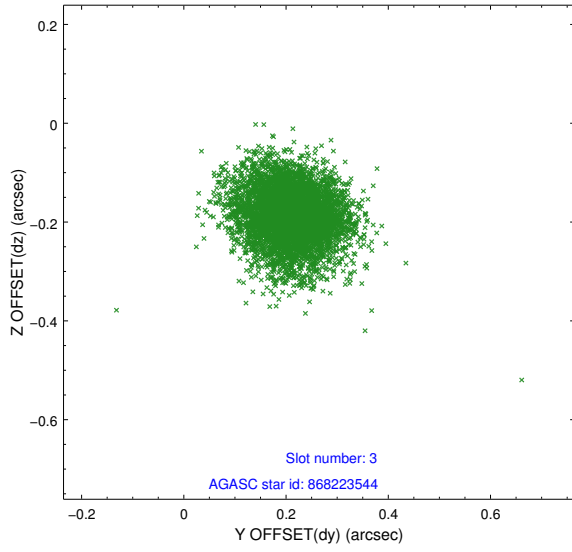


Slot Statistics

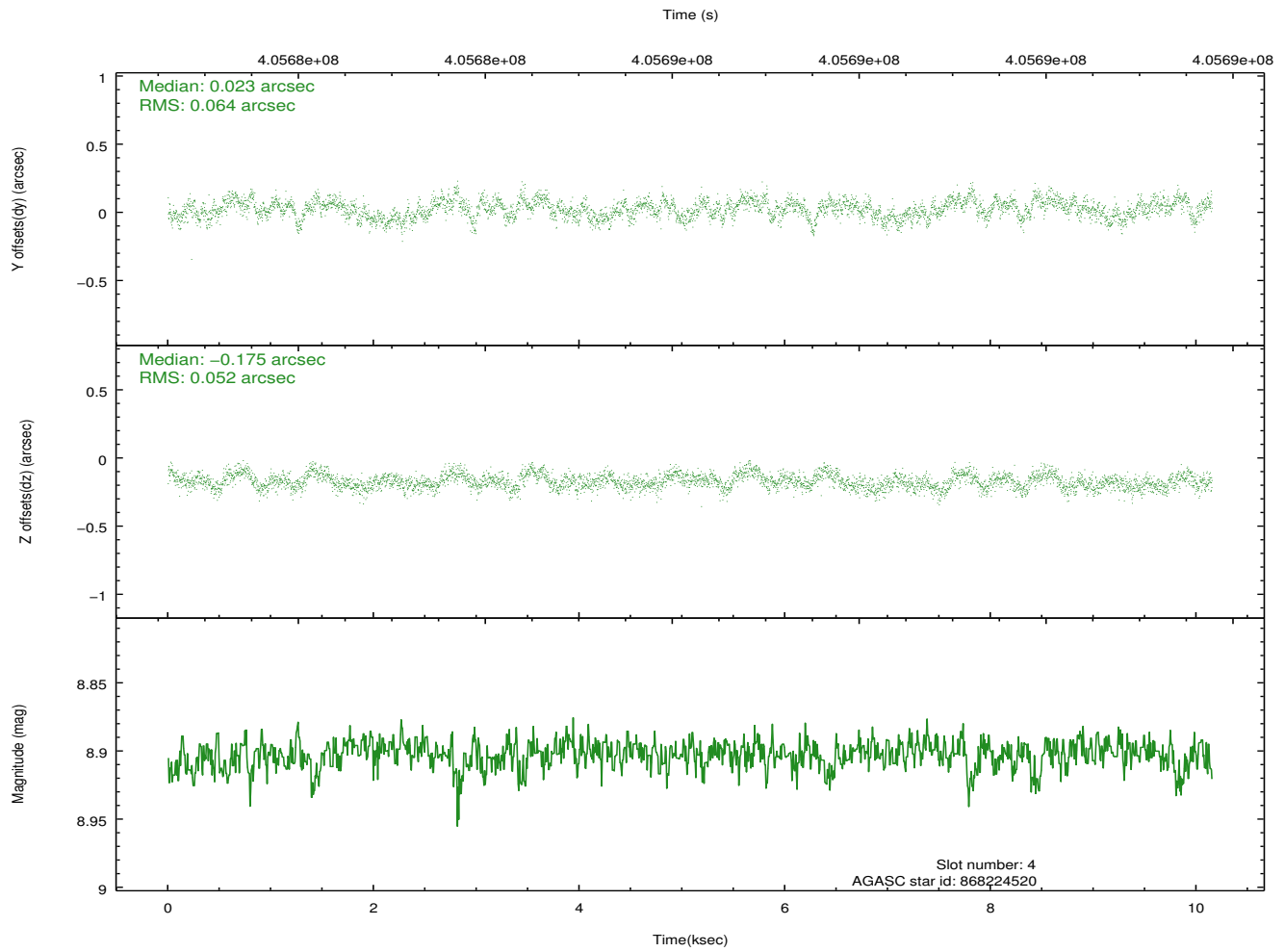
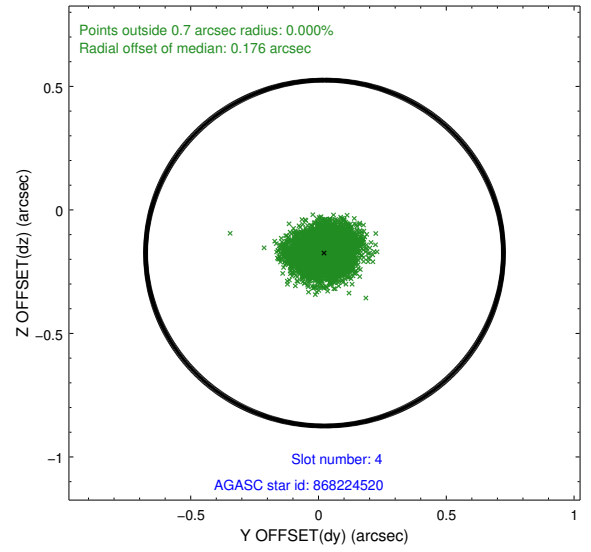
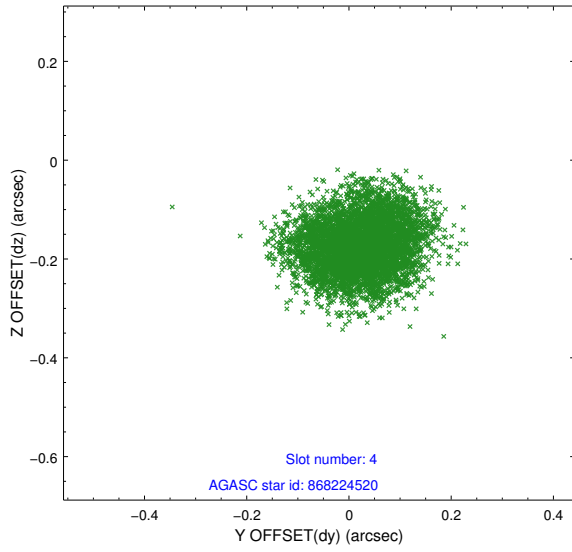
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	6.95	2477	0.064	-0.015	0.010	0.019	0.000000	0.000000	928.21	-1735.25
1	FID	ACIS-S-4	6.96	2477	0.116	-0.016	0.009	0.018	0.000000	0.000000	2146.00	168.33
2	FID	ACIS-S-5	6.99	2475	-0.208	0.043	0.012	0.025	0.000000	0.000000	-1820.22	162.67
3	GUIDE	868223544	9.09	4952	0.209	-0.184	0.080	0.131	158.201037	-25.215252	-1823.01	1946.81
4	GUIDE	868224520	8.90	4949	0.023	-0.175	0.089	0.140	158.229683	-25.146702	-1567.73	1882.77
5	GUIDE	869927456	8.89	4950	0.065	0.302	0.093	0.150	159.349614	-25.063797	-865.90	-1712.04
6	GUIDE	867701112	8.92	4952	-0.150	-0.234	0.092	0.147	158.205881	-24.322510	1370.86	2300.81
7	GUIDE	869925816	8.21	4951	-0.146	0.292	0.068	0.109	159.637489	-24.535622	1125.02	-2446.12

2.4 Star Slots

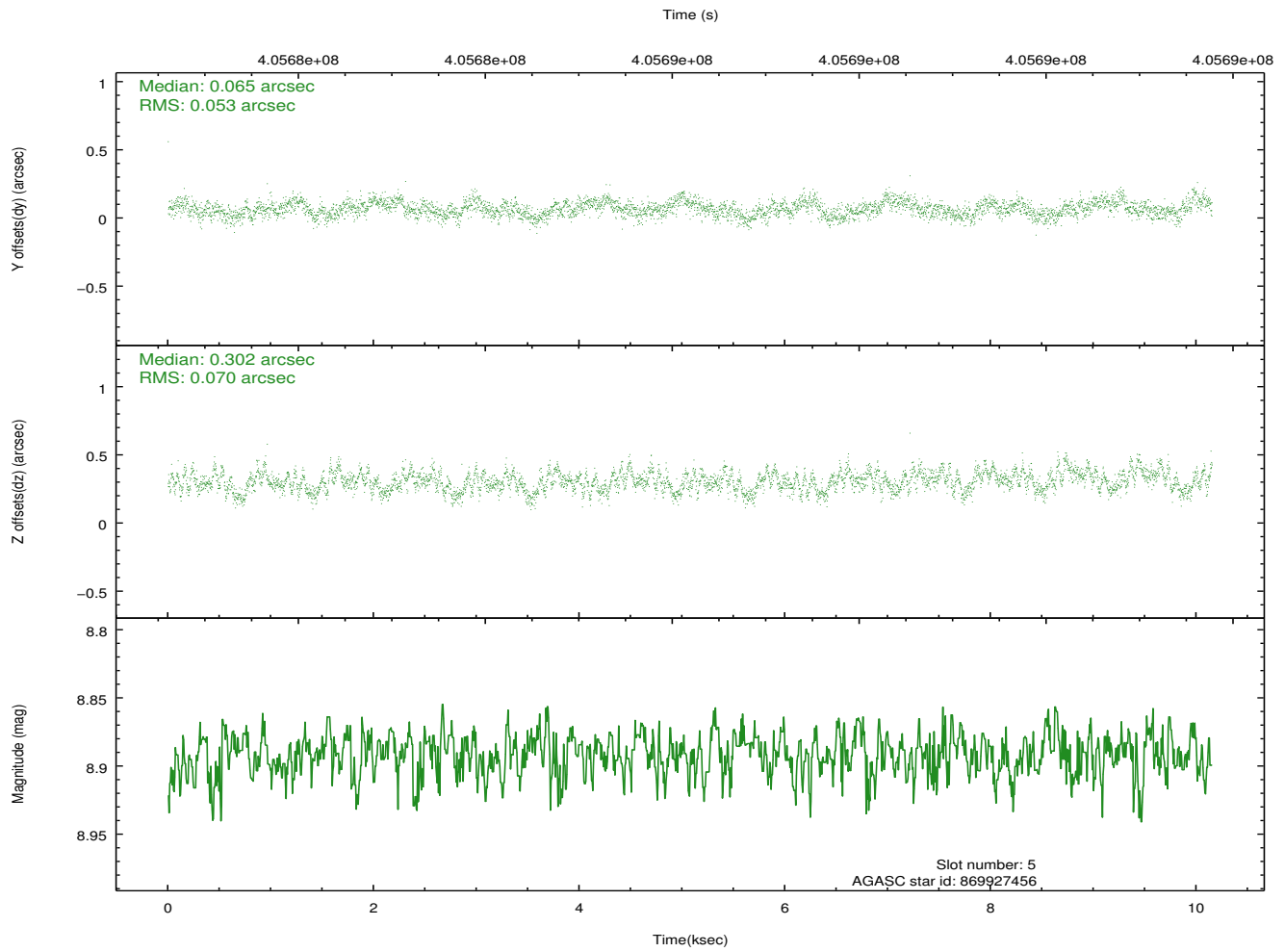
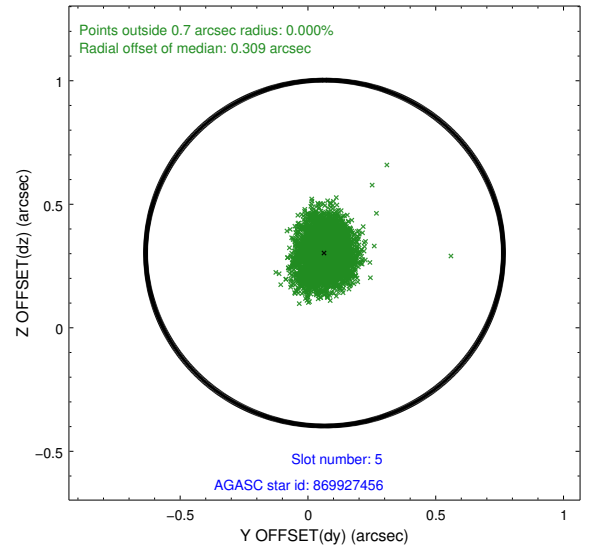
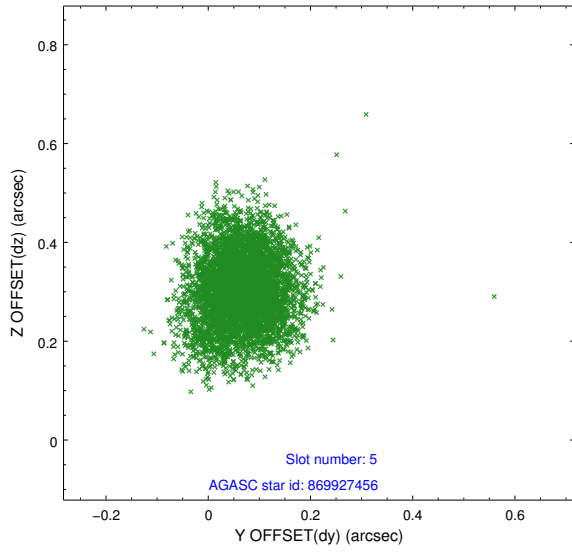
2.4.1 Slot 3



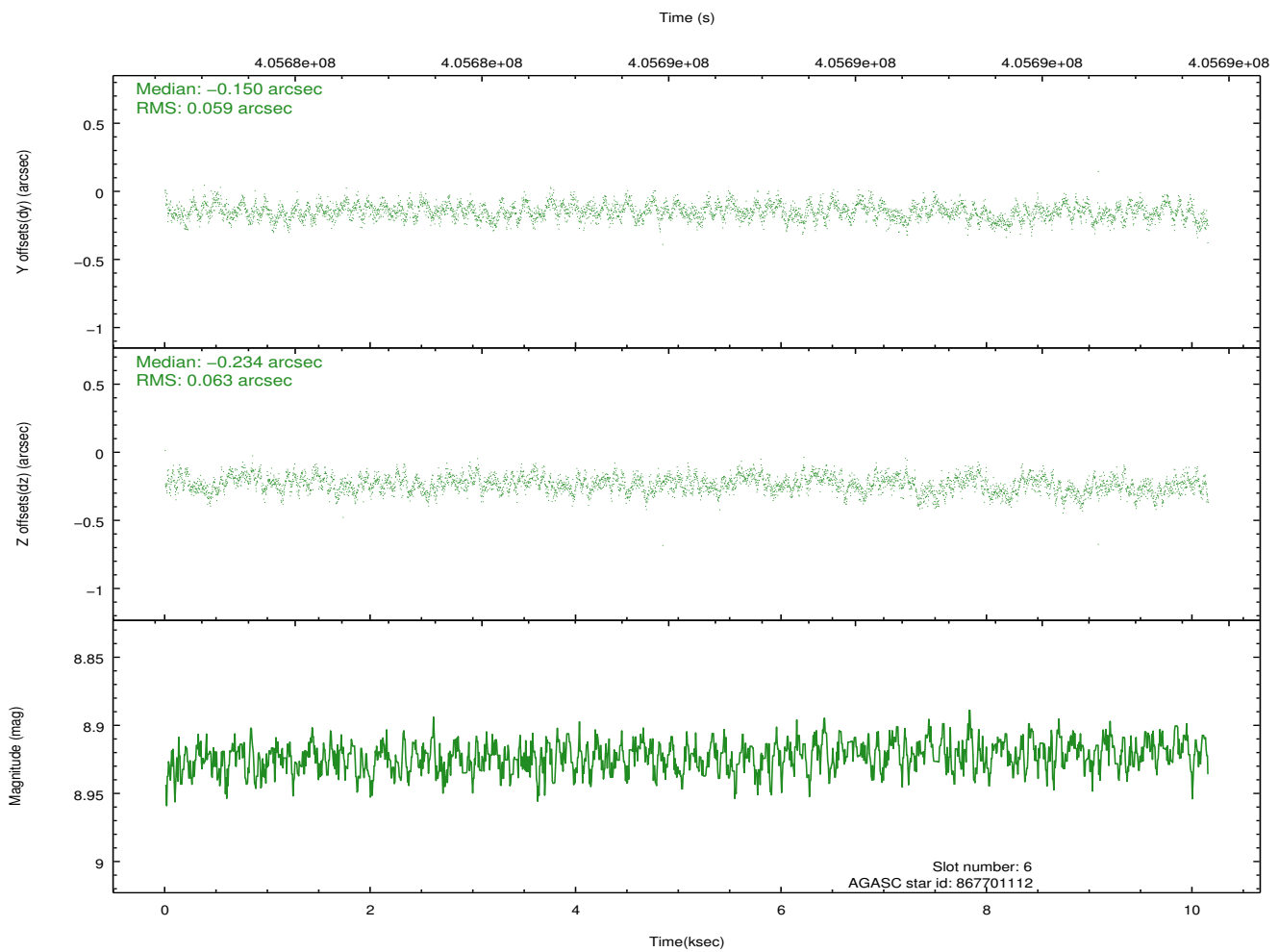
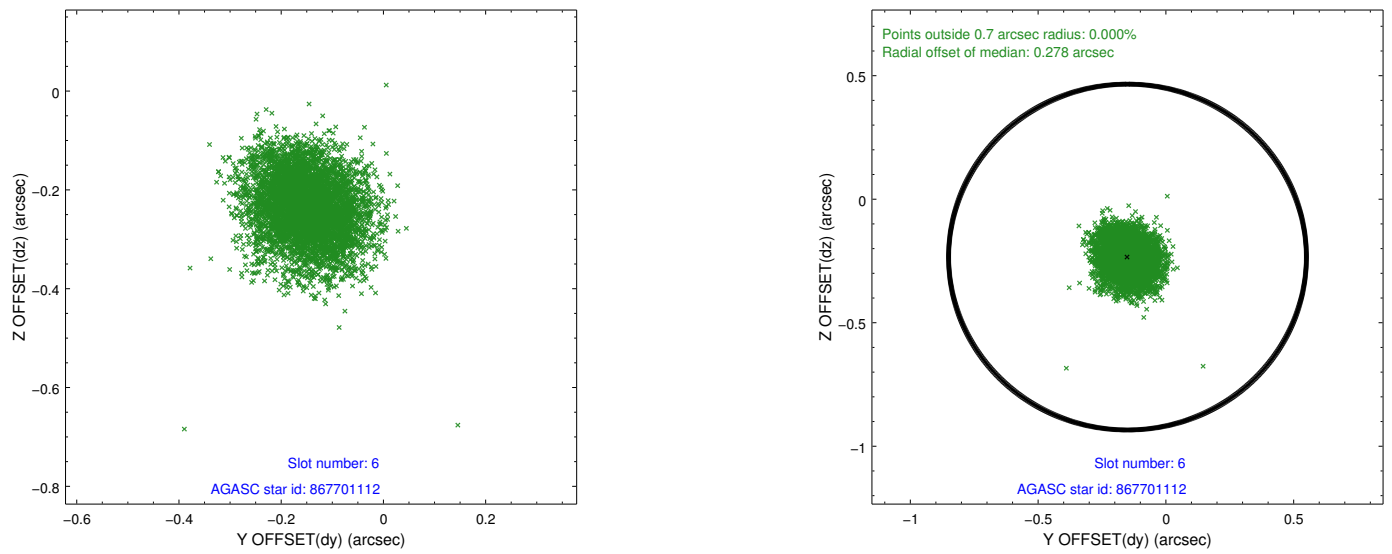
2.4.2 Slot 4



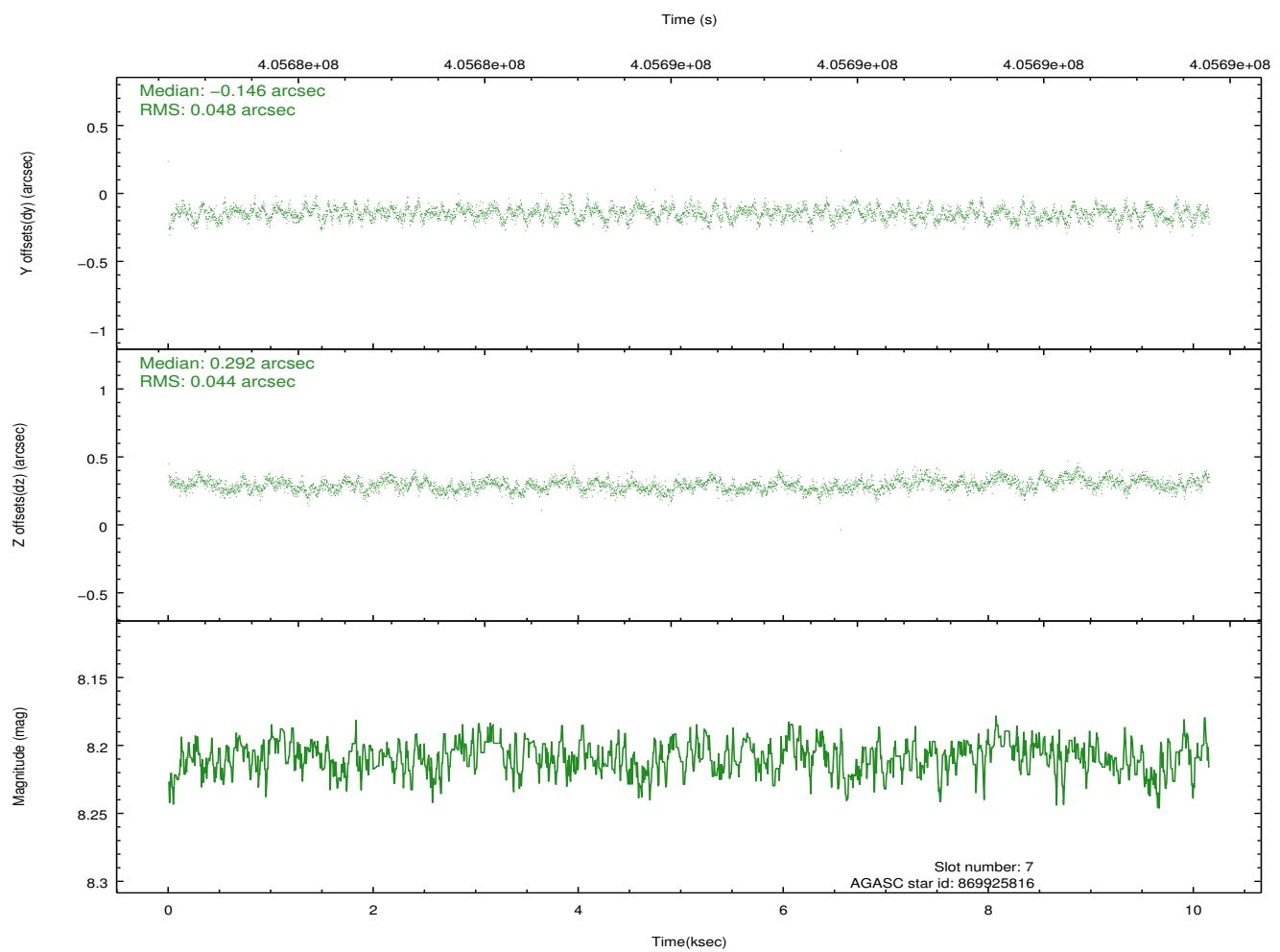
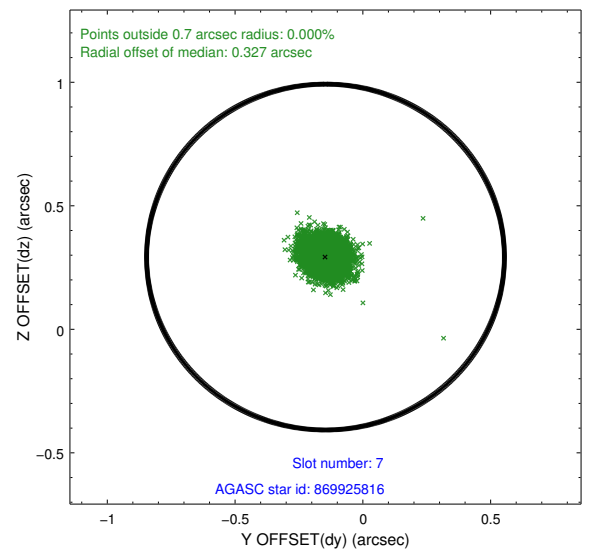
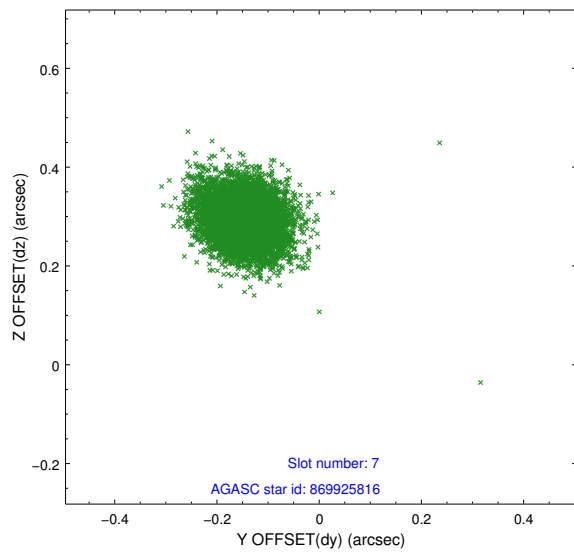
2.4.3 Slot 5



2.4.4 Slot 6

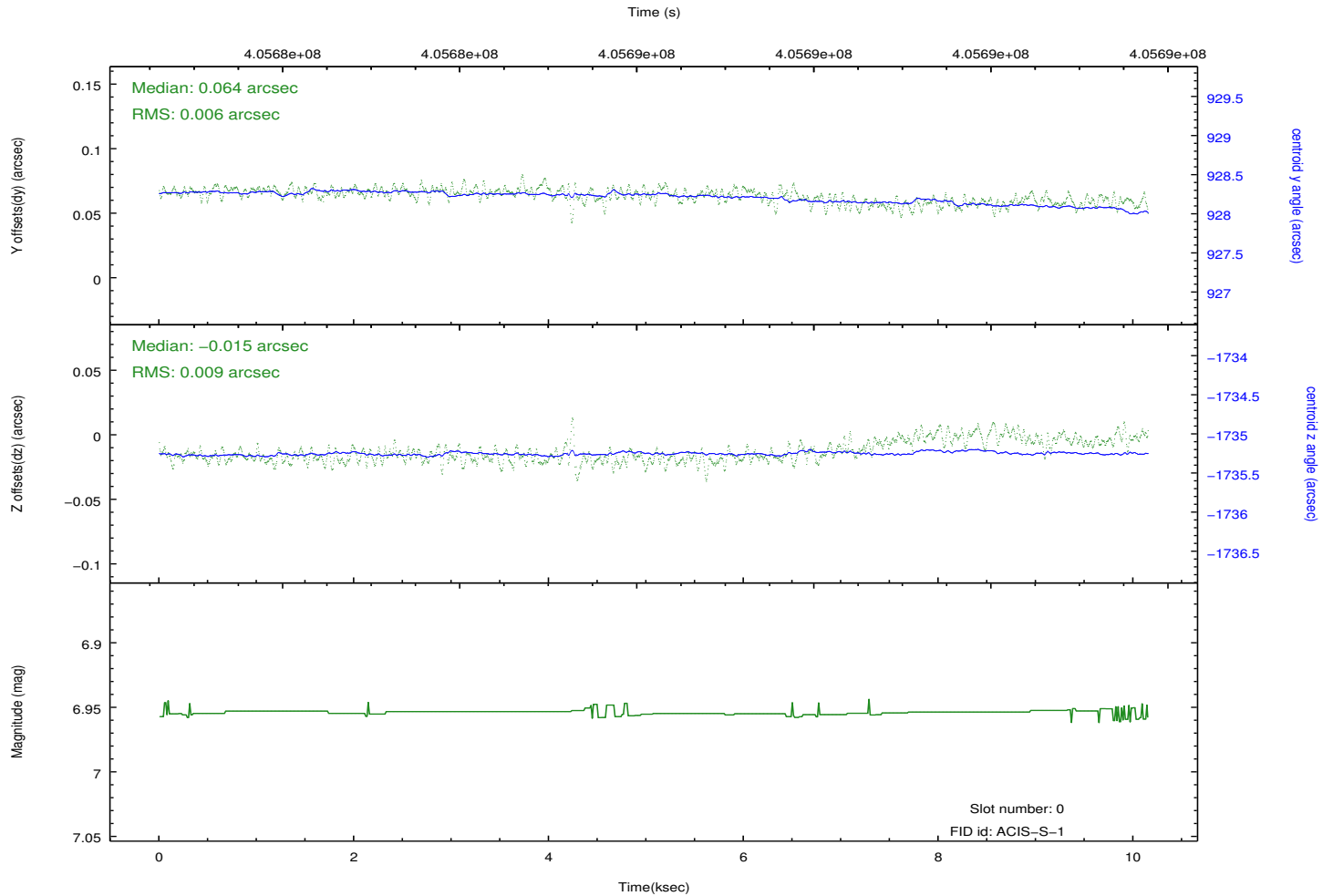
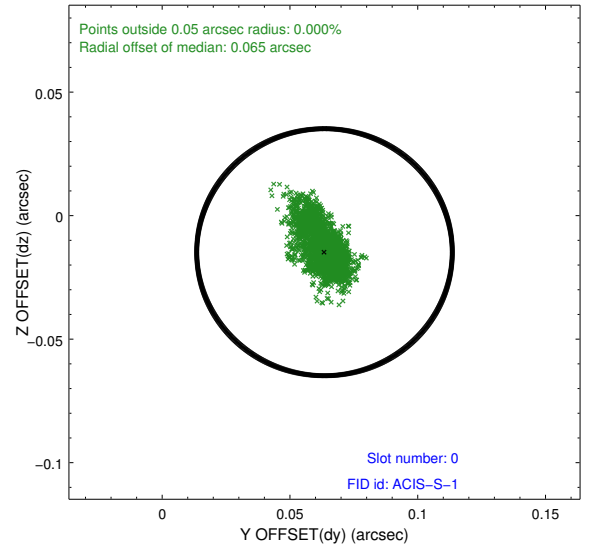
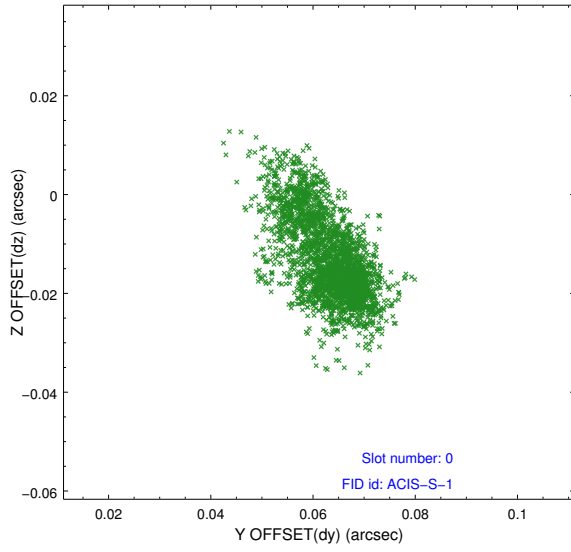


2.4.5 Slot 7

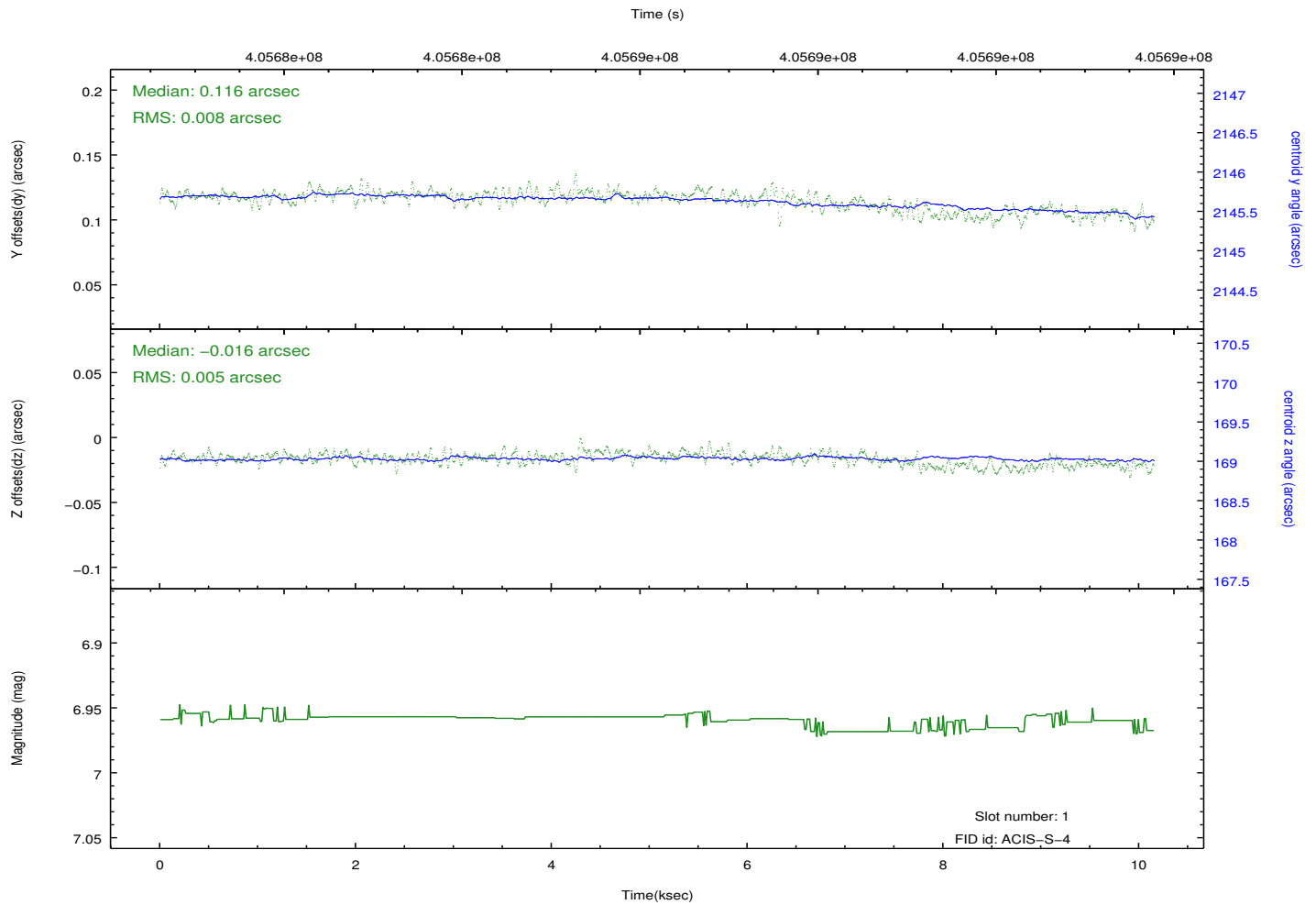
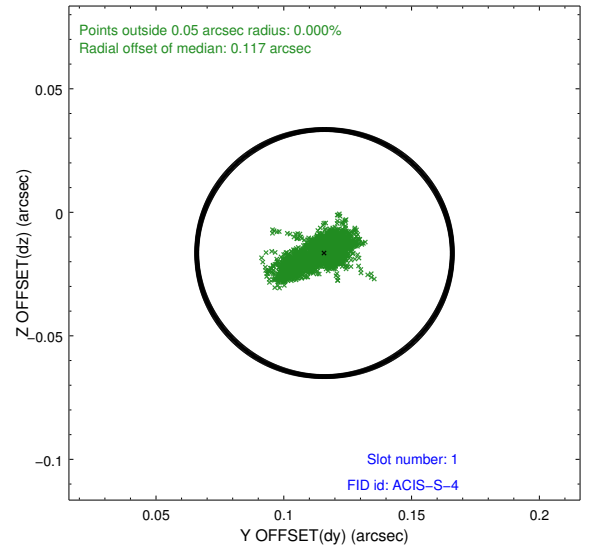
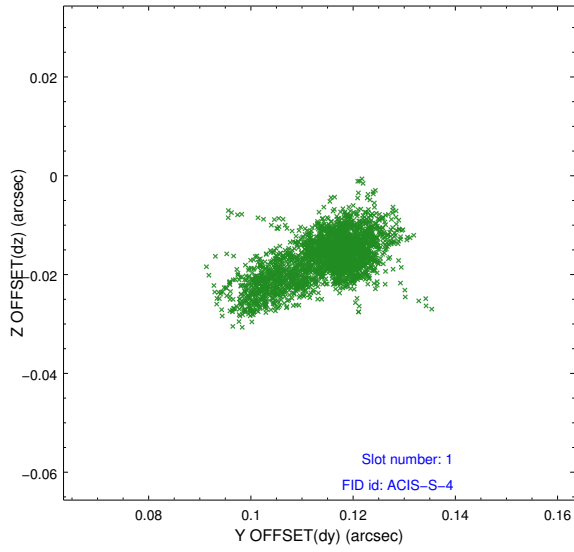


2.5 FID Slots

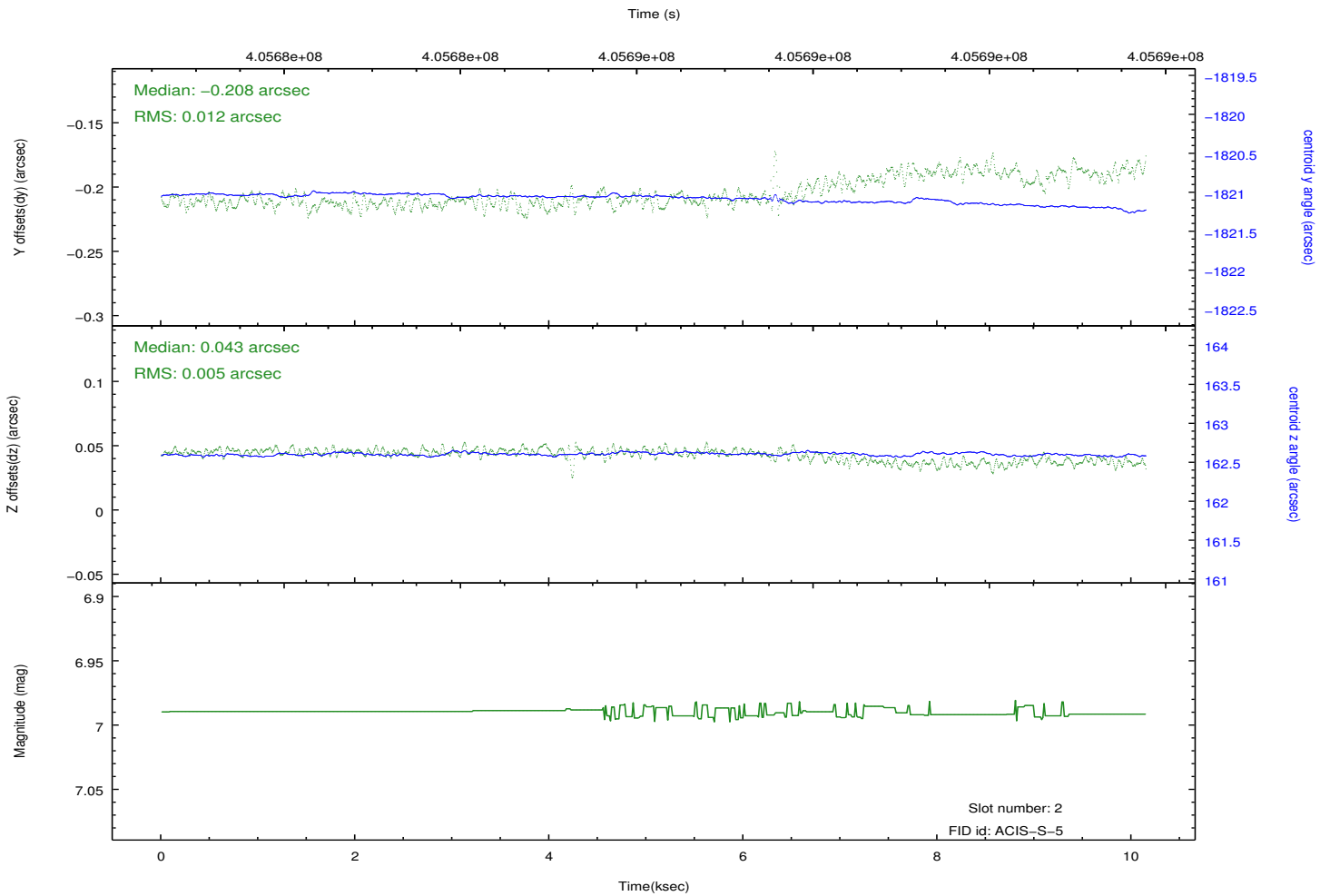
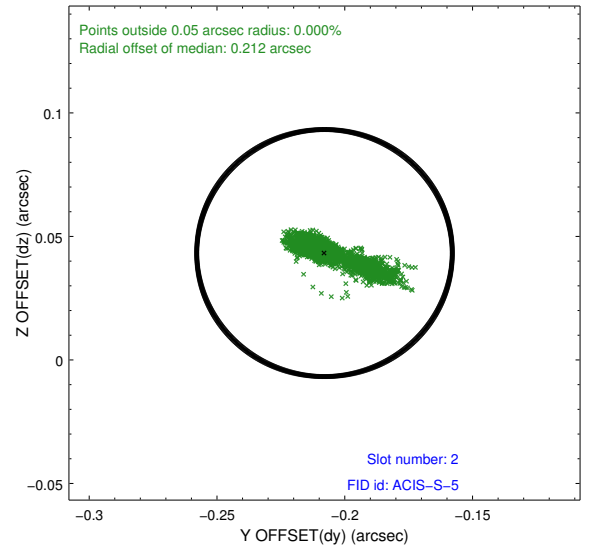
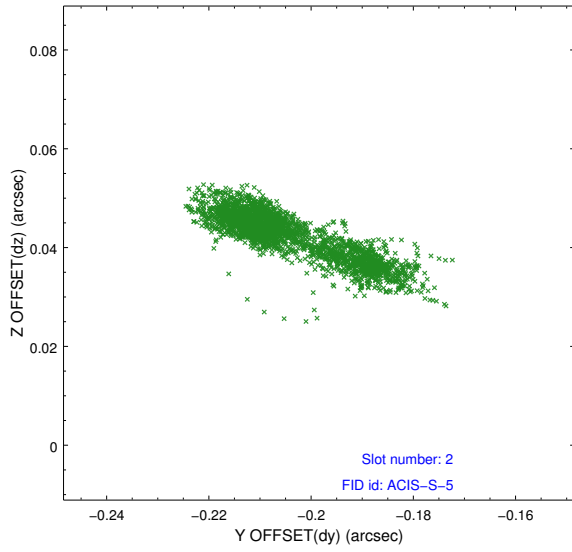
2.5.1 Slot 0



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)	2012.07.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.059491110861

A.2 Comments