

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2866 - L2 Version 3
Chandra X-Ray Center

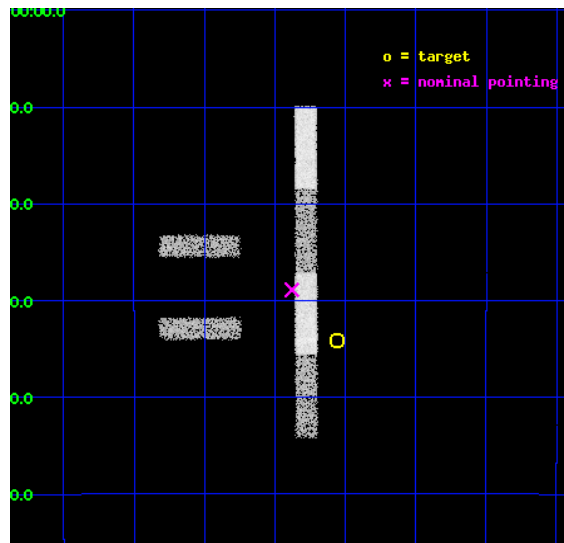
L2 Processing Date : Oct 4 2012

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1 Front

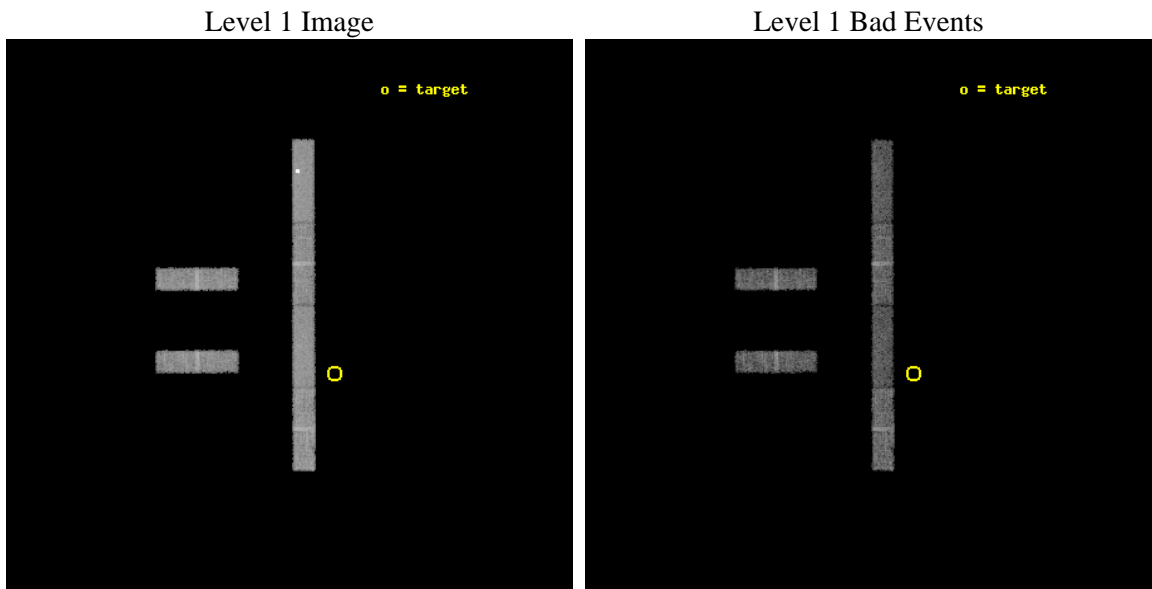
seq_num	590255	Sequence number
obs_id	2866	Observation id
title	AO3A CALIBRATION OBSERVATIONS THE STANDARD CANDLES CAS A AND G21.5-09	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	G21.5-0.9 [Chip S3, T=120, outer nebula]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	278.389583	Observer's specified target RA [deg]
dec_targ	-10.568528	Observer's specified target Dec [deg]
ra_nom	278.46981093878	Nominal RA [deg]
dec_nom	-10.481600577845	Nominal Dec [deg]
roll_nom	89.842574940321	Nominal Roll [deg]
revision	3	Processing version of data
ontime	9534.7999483347	Sum of GTIs [s]
livetime	9191.8600076843	Livetime [s]
ontime2	9534.7999483347	Sum of GTIs [s]
ontime3	9534.7999483347	Sum of GTIs [s]
ontime5	9534.7999483347	Sum of GTIs [s]
ontime6	9534.7999483347	Sum of GTIs [s]
ontime7	9534.7999483347	Sum of GTIs [s]
ontime8	9534.7999483347	Sum of GTIs [s]
l2events	27850	Number of level 2 events



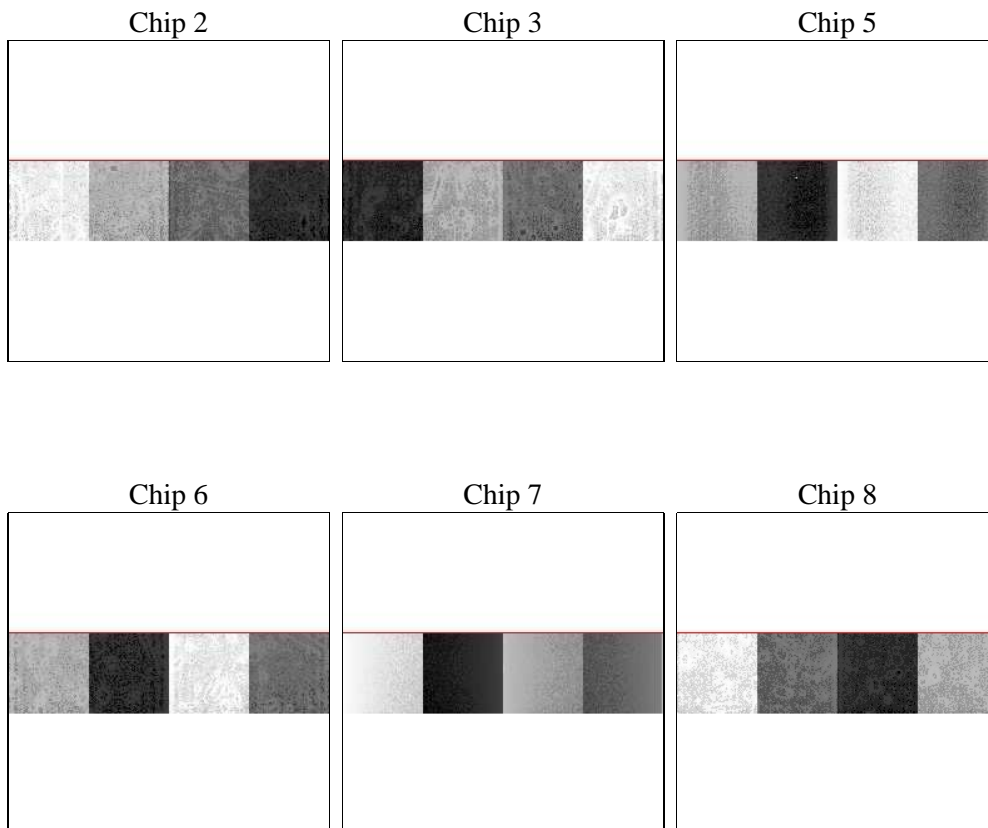
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	9000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	9534.7999483347	Sum of GTIs [s]
caldbver	4.5.2	 	ontime2	9534.7999483347	Sum of GTIs [s]
date	2012-10-04T11:24:15	Date and time of file creation	ontime3	9534.7999483347	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	9534.7999483347	Sum of GTIs [s]
			ontime6	9534.7999483347	Sum of GTIs [s]
			ontime7	9534.7999483347	Sum of GTIs [s]
			ontime8	9534.7999483347	Sum of GTIs [s]
			l1events	137764	Number of level 1 events

2.1.4 Events

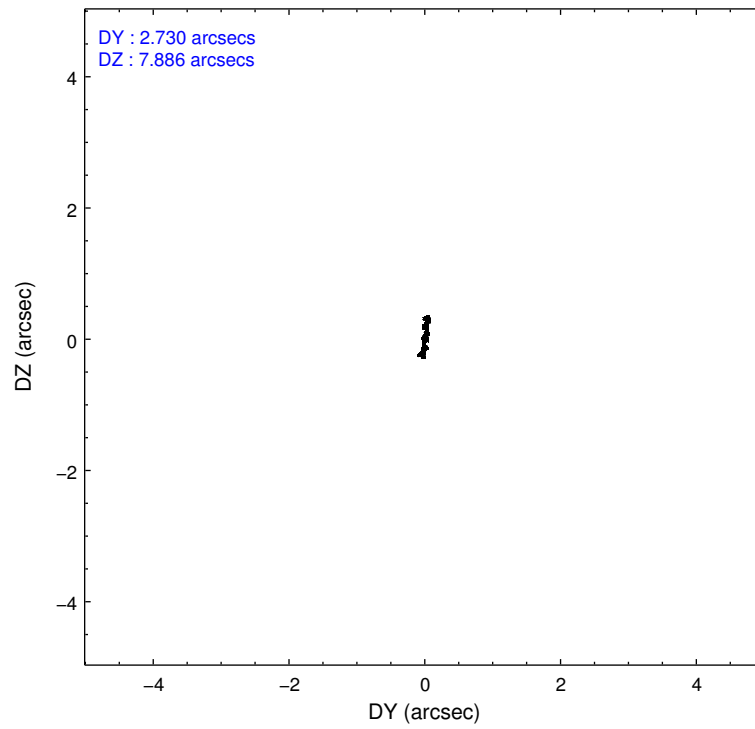
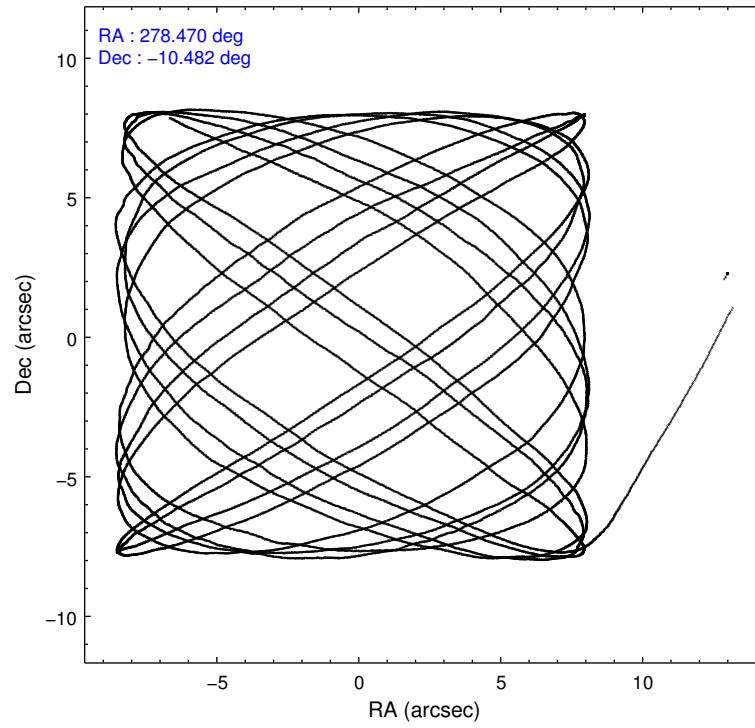
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	20591	18792	30170	20102	22208	25901
rejected events	18295	16624	12466	17770	12139	20995
rejected %	88%	88%	41%	88%	54%	81%

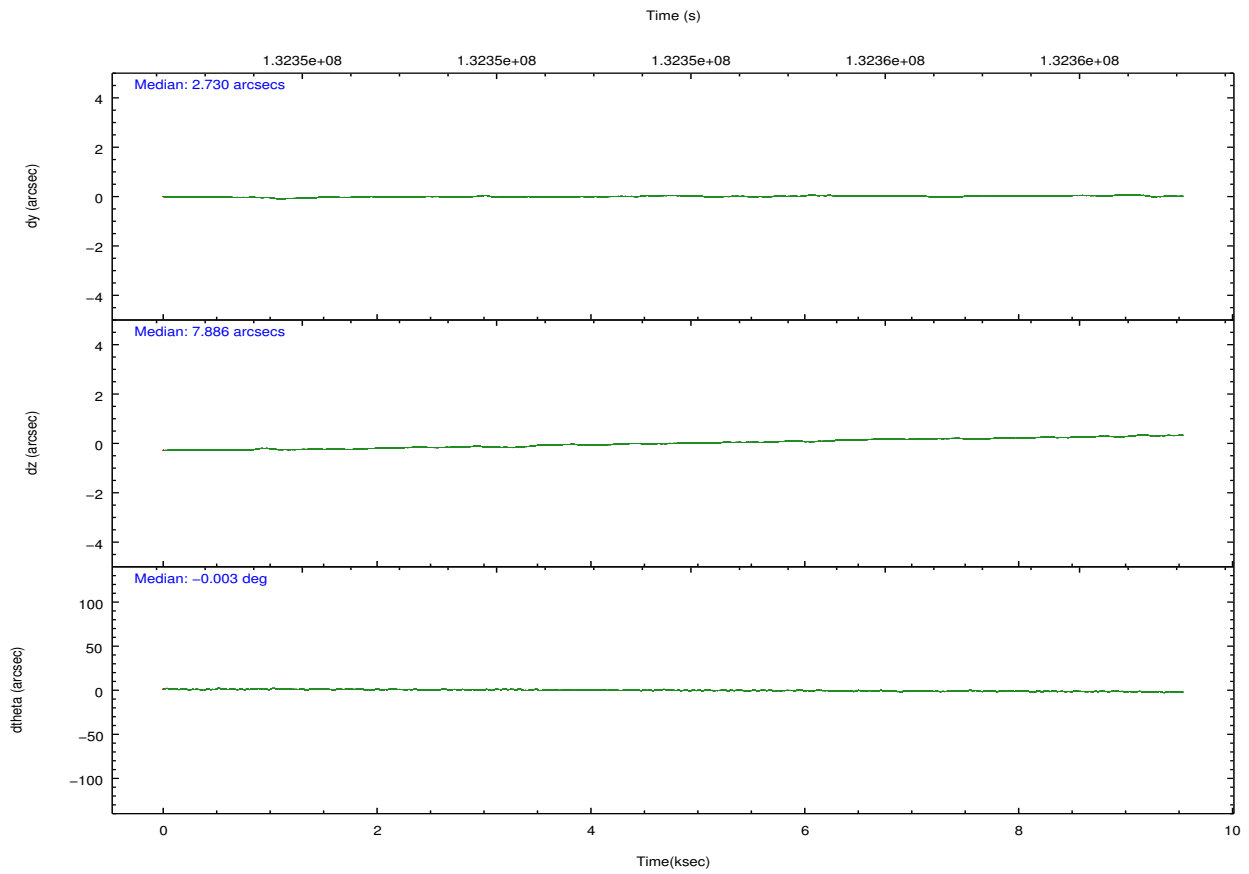
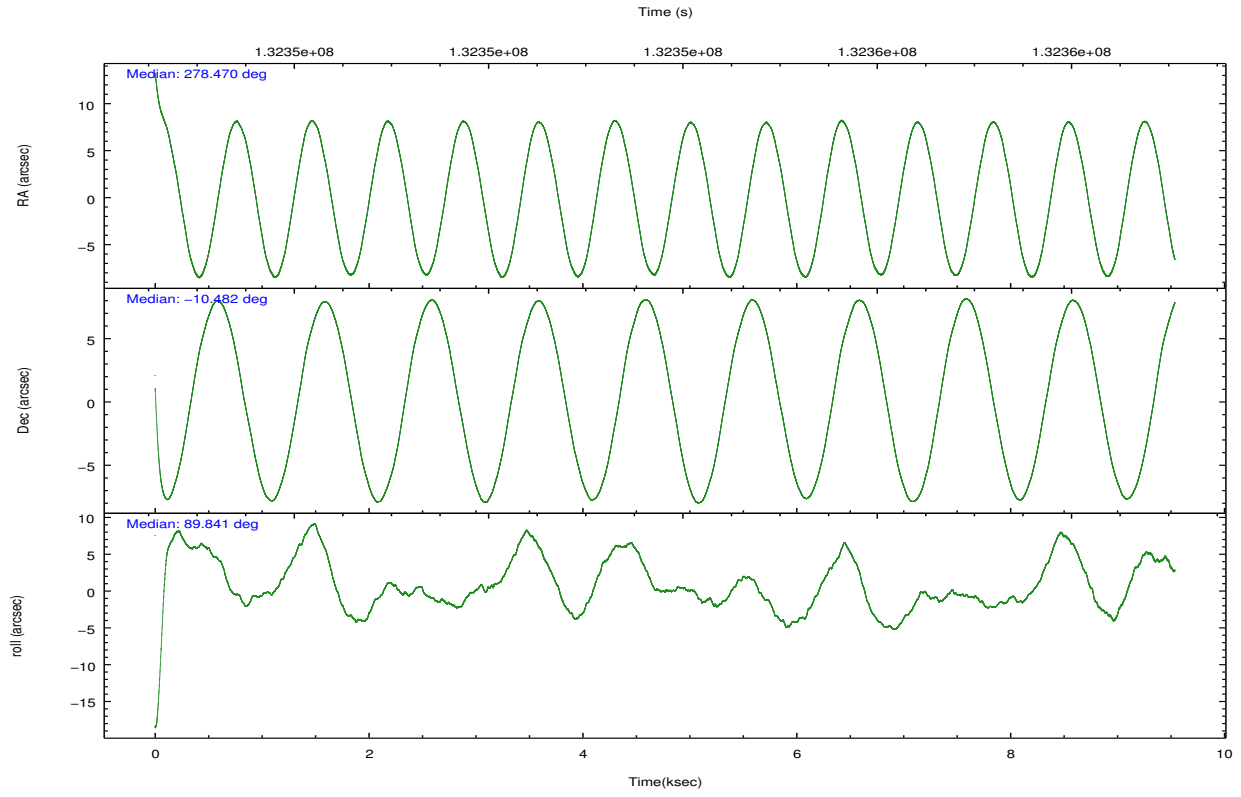
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	904	853	7916	864	1106	1480
	4%	4%	26%	4%	4%	5%
grade 1 events	7	7	50	6	18	12
	0%	0%	0%	0%	0%	0%
grade 2 events	481	366	3074	426	2079	1049
	2%	1%	10%	2%	9%	4%
grade 3 events	269	300	696	320	1053	568
	1%	1%	2%	1%	4%	2%
grade 4 events	295	293	640	310	1090	505
	1%	1%	2%	1%	4%	1%
grade 5 events	611	615	1952	714	2089	881
	2%	3%	6%	3%	9%	3%
grade 6 events	354	358	5420	415	4764	1311
	1%	1%	17%	2%	21%	5%
grade 7 events	17670	16000	10422	17047	10009	20095
	85%	85%	34%	84%	45%	77%

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	278.483855	278.4698109387844	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	-10.505046	-10.48160057784466	Subarray start row	385	385
[deg] Pointing Roll	89.688543	89.84257494032067	Subarray row count	256	256
[s] Window start time (MET)	131328064.184000	131328064.184000	Alternating exposures requested	N	N
[s] Window stop time (MET)	133920064.184000	133920064.184000	[s] Primary exposure time	0.000000	1.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-194.422523	-194.4244593237301			
[mm] SIM translation stage offset	4.29	4.291936740722321			
[s] Observation start time (MET)	132349584.184000	132348438.84606			
Observation start date	2002-03-12T19:45:20	2002-03-12T19:27:18			
[s] Observation end time (MET)	132358584.184000	132358768.79648			
Observation end date	2002-03-12T22:15:20	2002-03-12T22:19:28			
Read mode	TIMED	TIMED			

2.3 Aspect





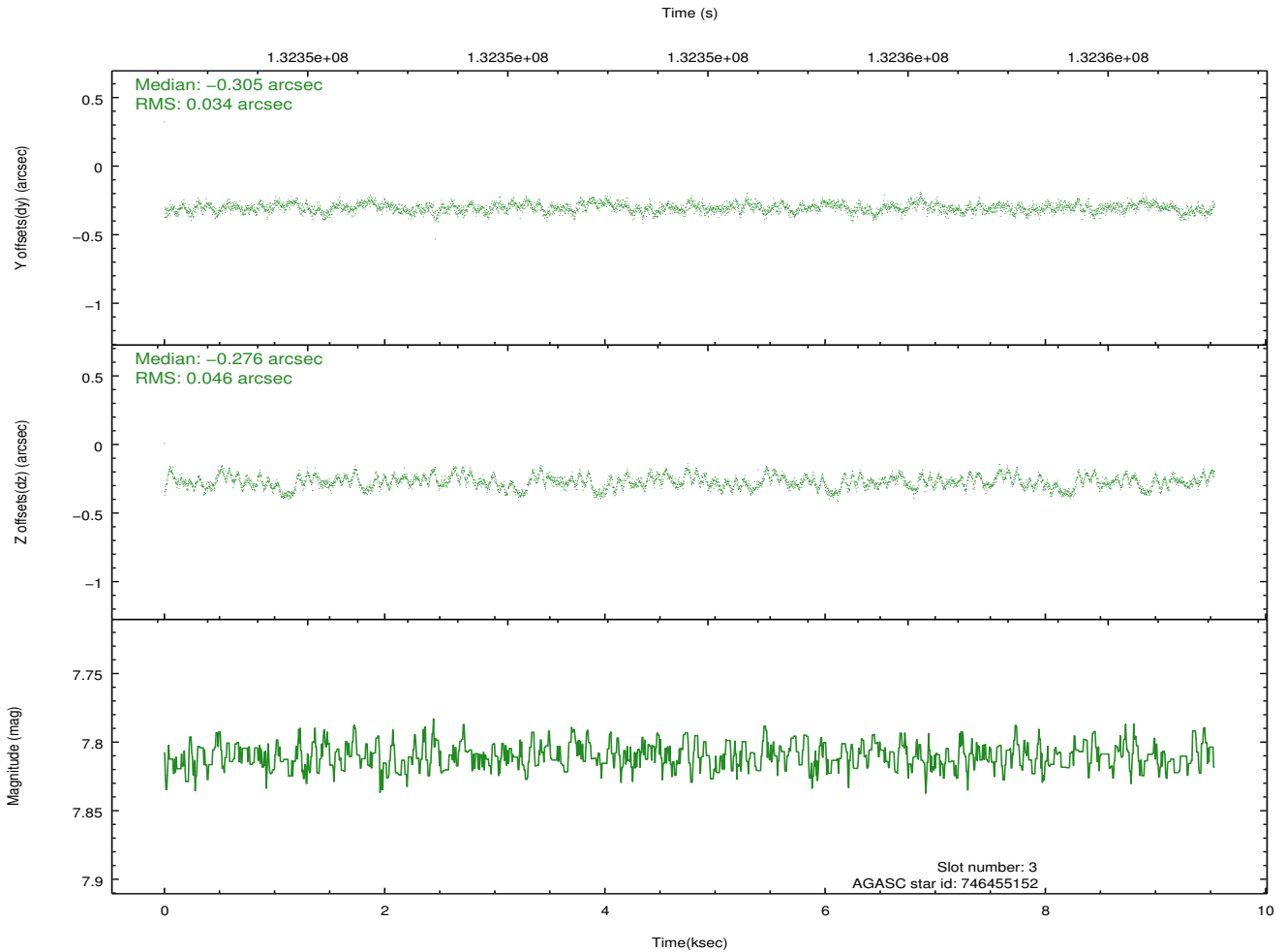
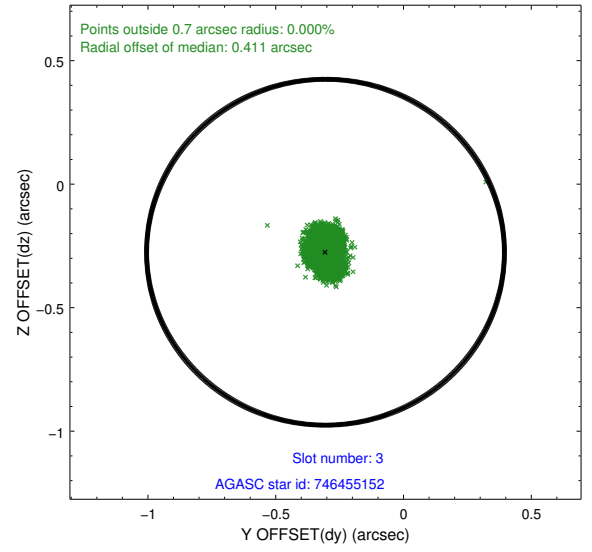
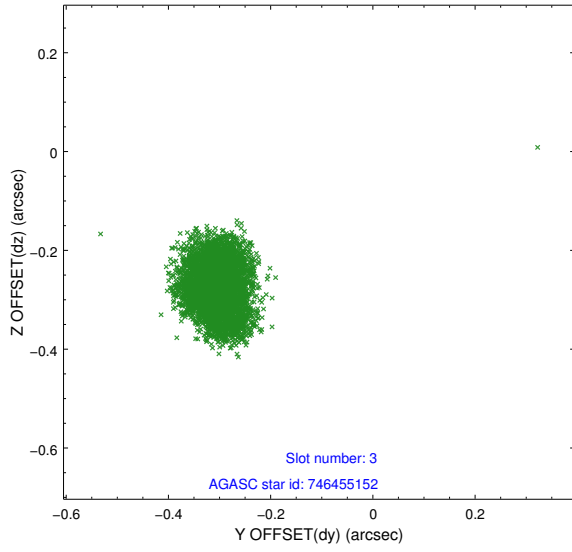
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.13	2327	0.033	0.068	0.009	0.015	0.000000	0.000000	-755.64	-1640.68
1	FID	ACIS-S-4	7.20	2327	-0.023	-0.034	0.008	0.013	0.000000	0.000000	2157.37	267.11
2	FID	ACIS-S-5	7.23	2327	-0.042	-0.025	0.007	0.012	0.000000	0.000000	-1807.79	261.51
3	GUIDE	746455152	7.81	4653	-0.305	-0.276	0.060	0.097	278.447893	-9.976732	1901.86	137.67
4	GUIDE	746462392	8.53	4650	0.205	0.108	0.070	0.109	279.038421	-10.890715	-1378.31	-1968.19
5	GUIDE	746455112	8.93	4649	0.068	0.048	0.072	0.118	278.266531	-10.703234	-717.13	764.39
6	GUIDE	746460328	9.81	4647	-0.159	0.028	0.157	0.246	278.603974	-9.898096	2187.72	-413.83
7	GUIDE	746461728	9.78	4618	0.196	0.098	0.115	0.187	278.986921	-10.530755	-82.63	-1780.98

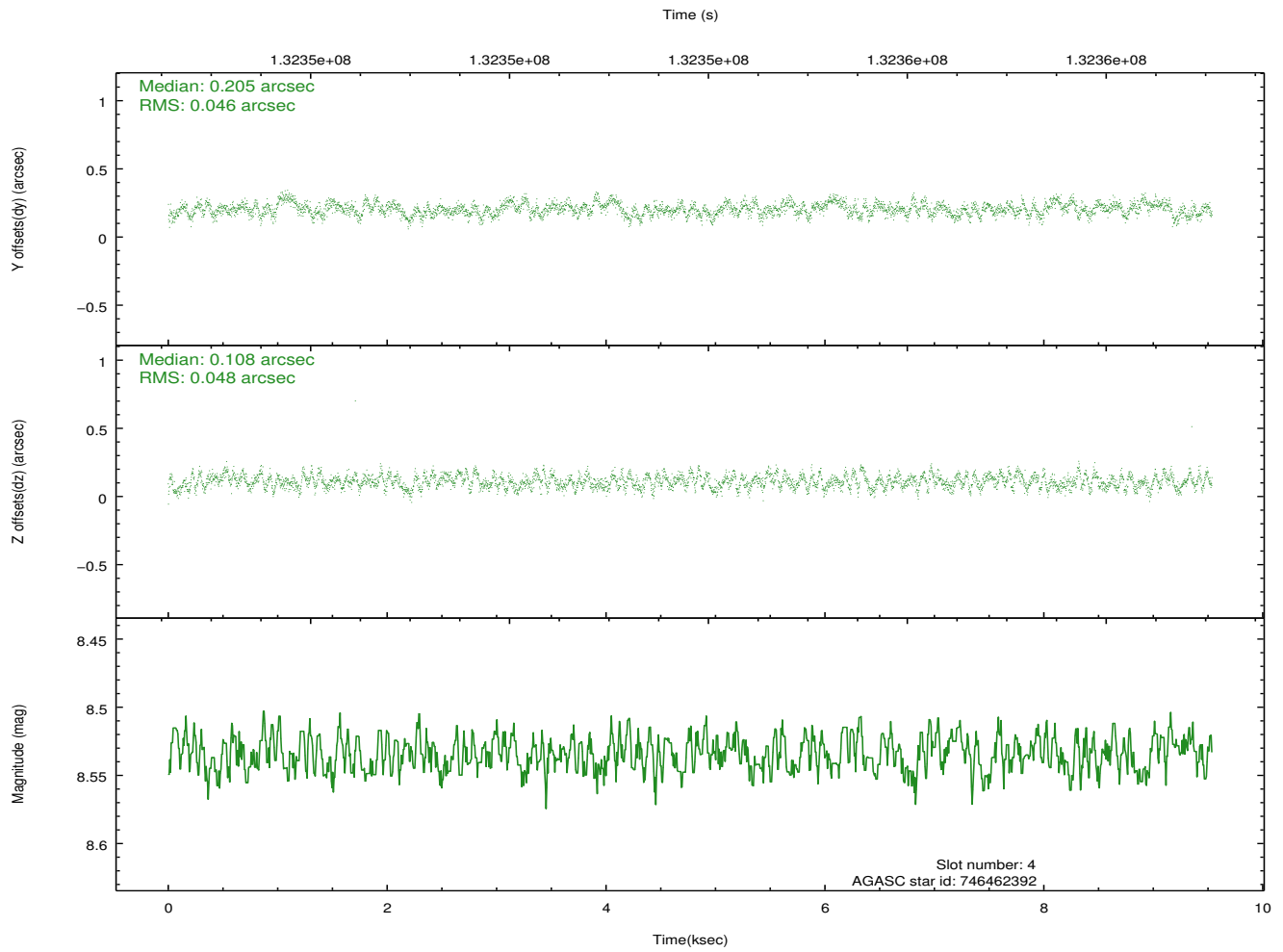
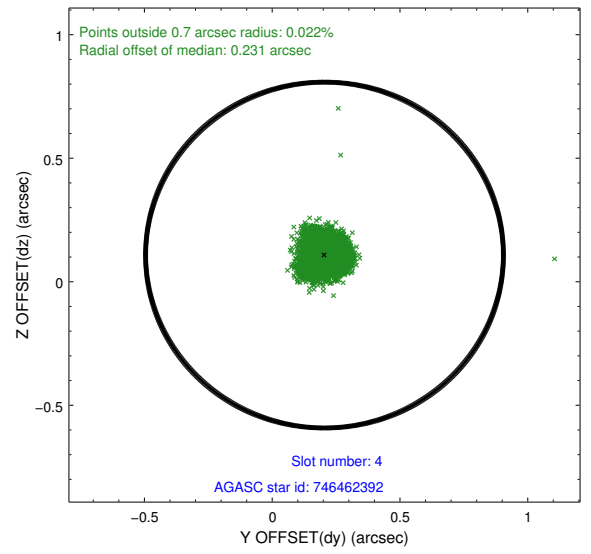
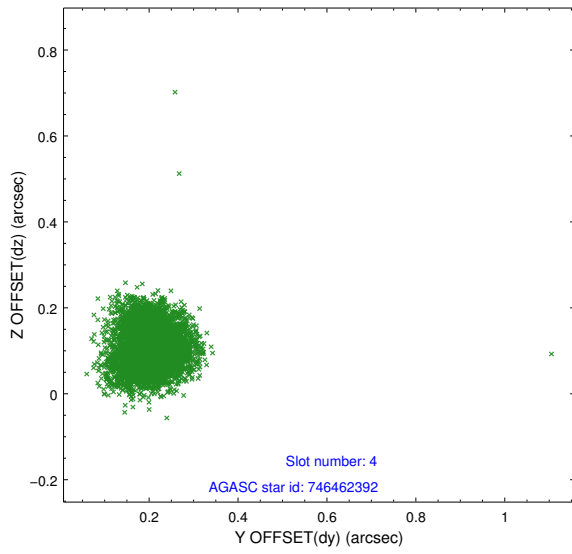
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2.4 Star Slots

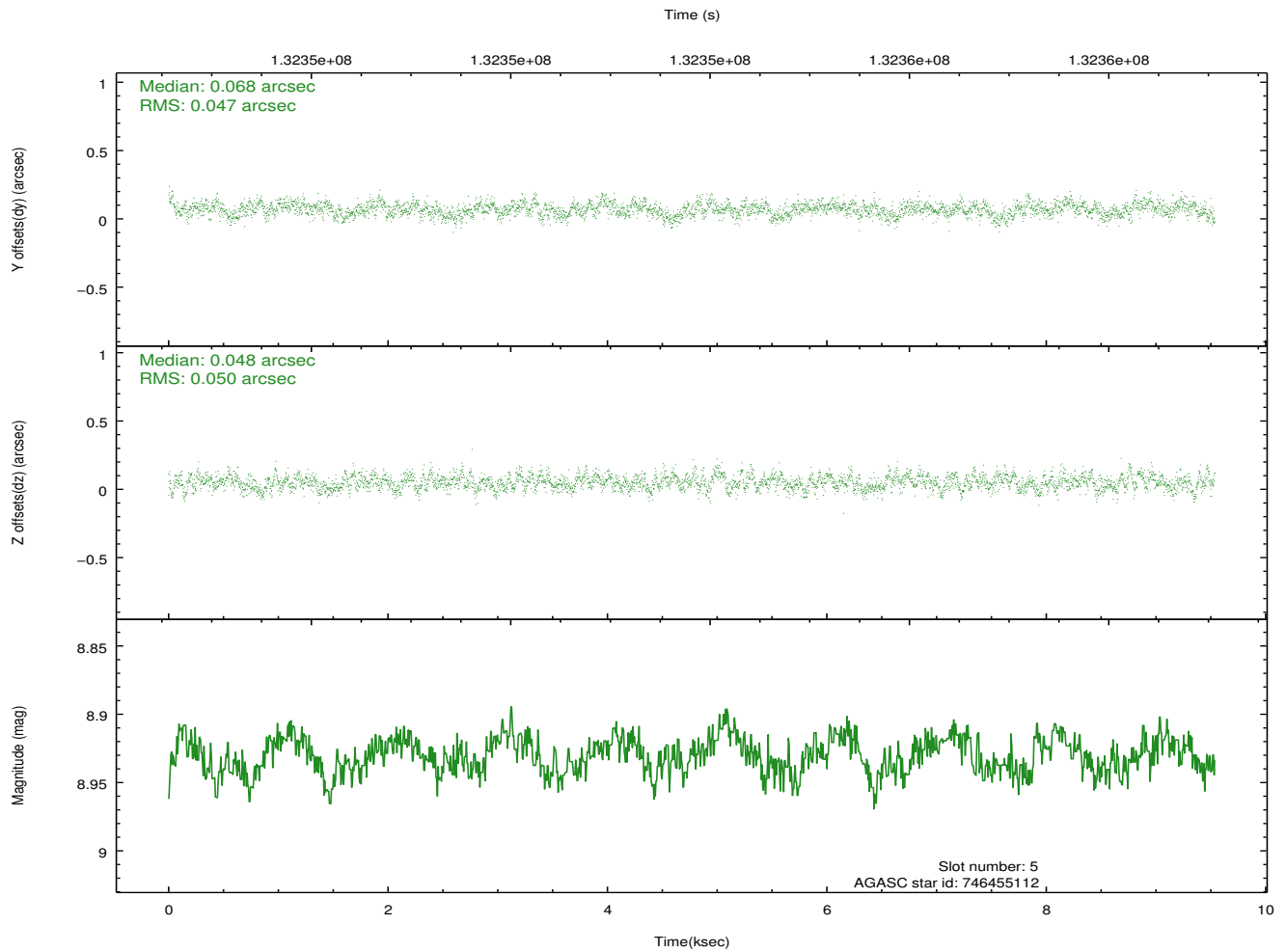
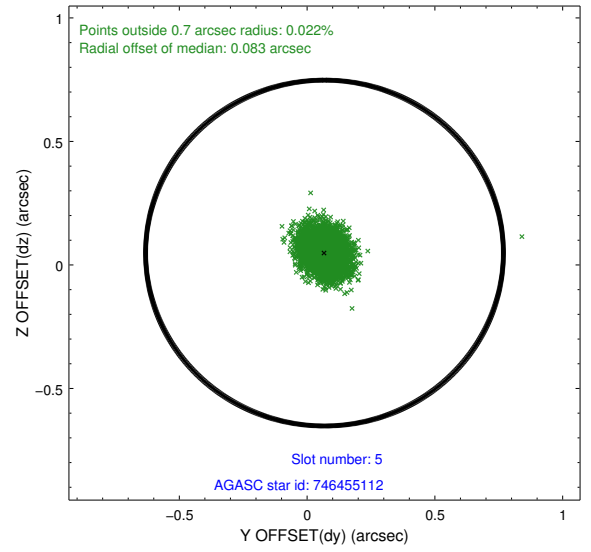
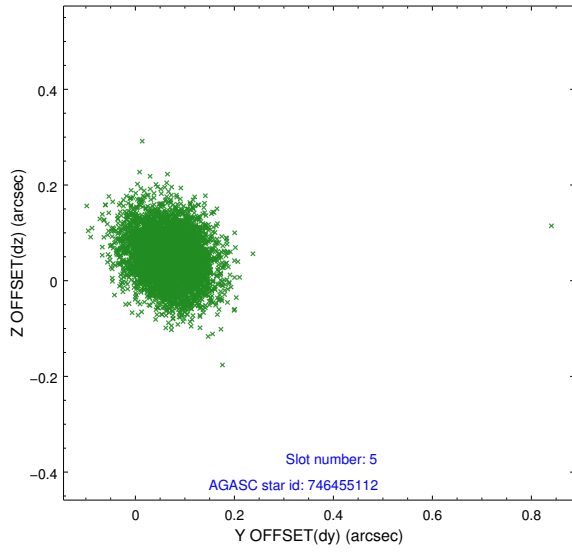
2.4.1 Slot 3



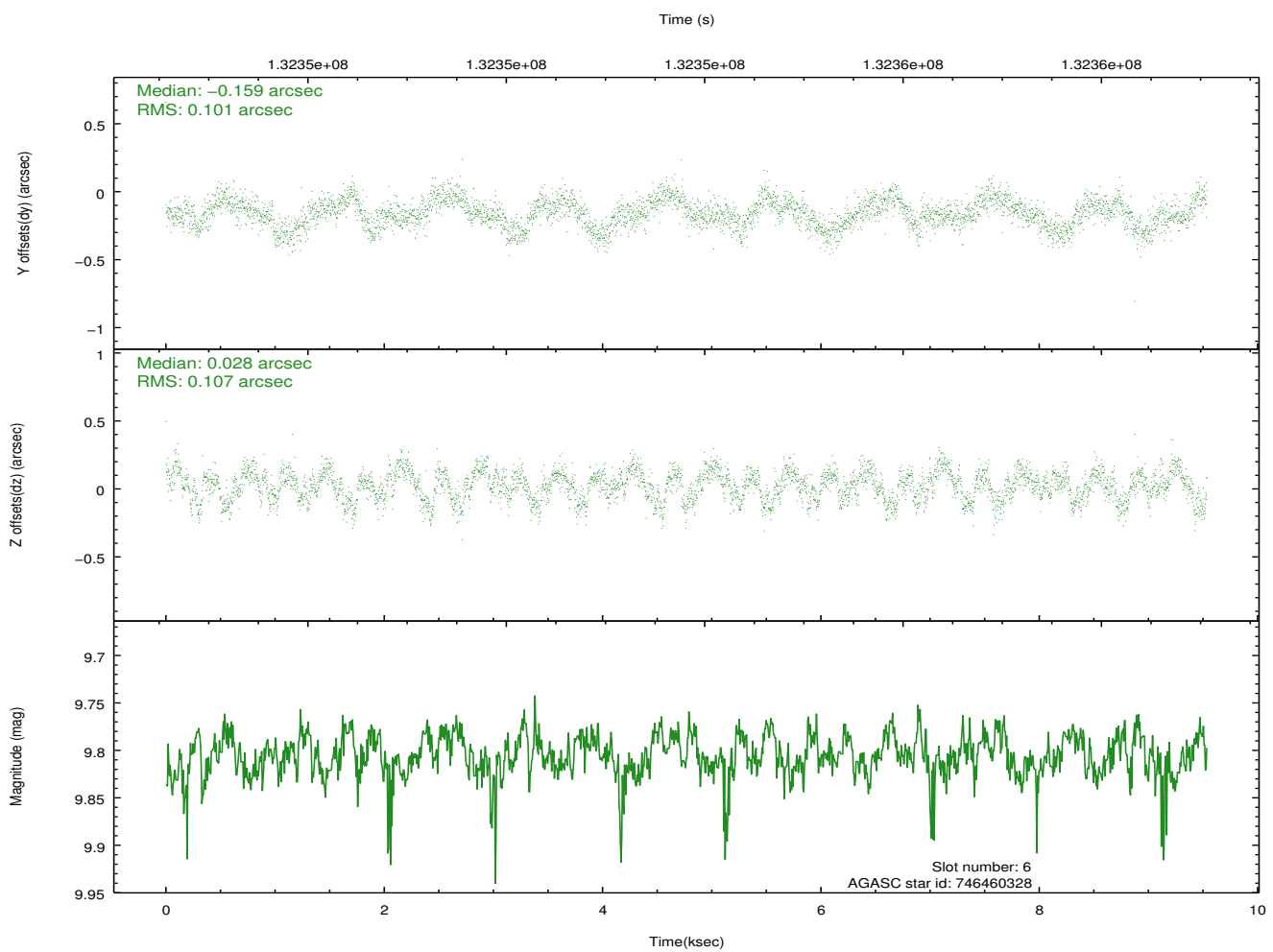
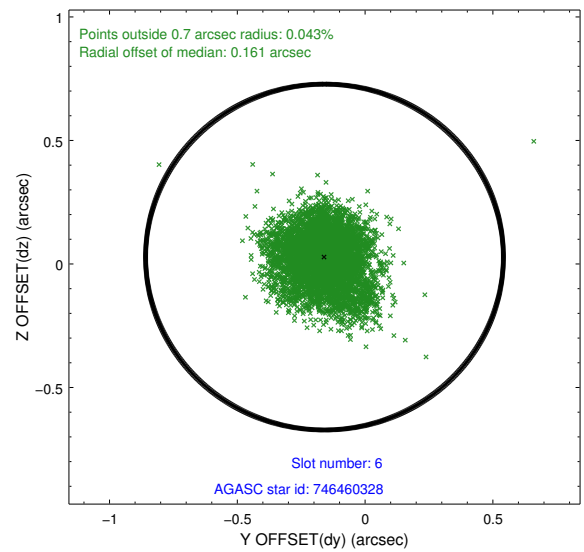
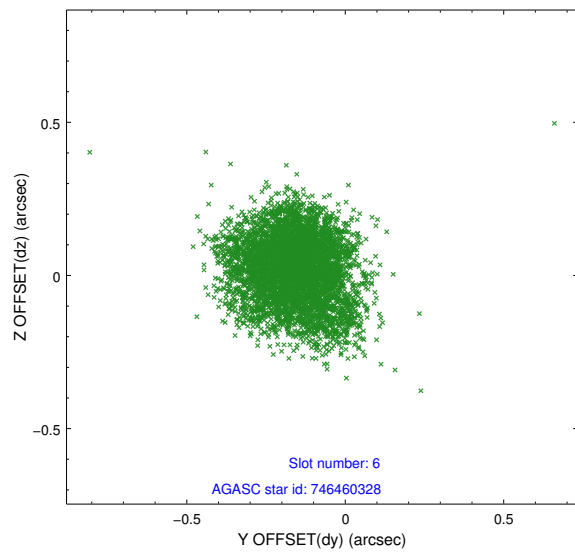
2.4.2 Slot 4



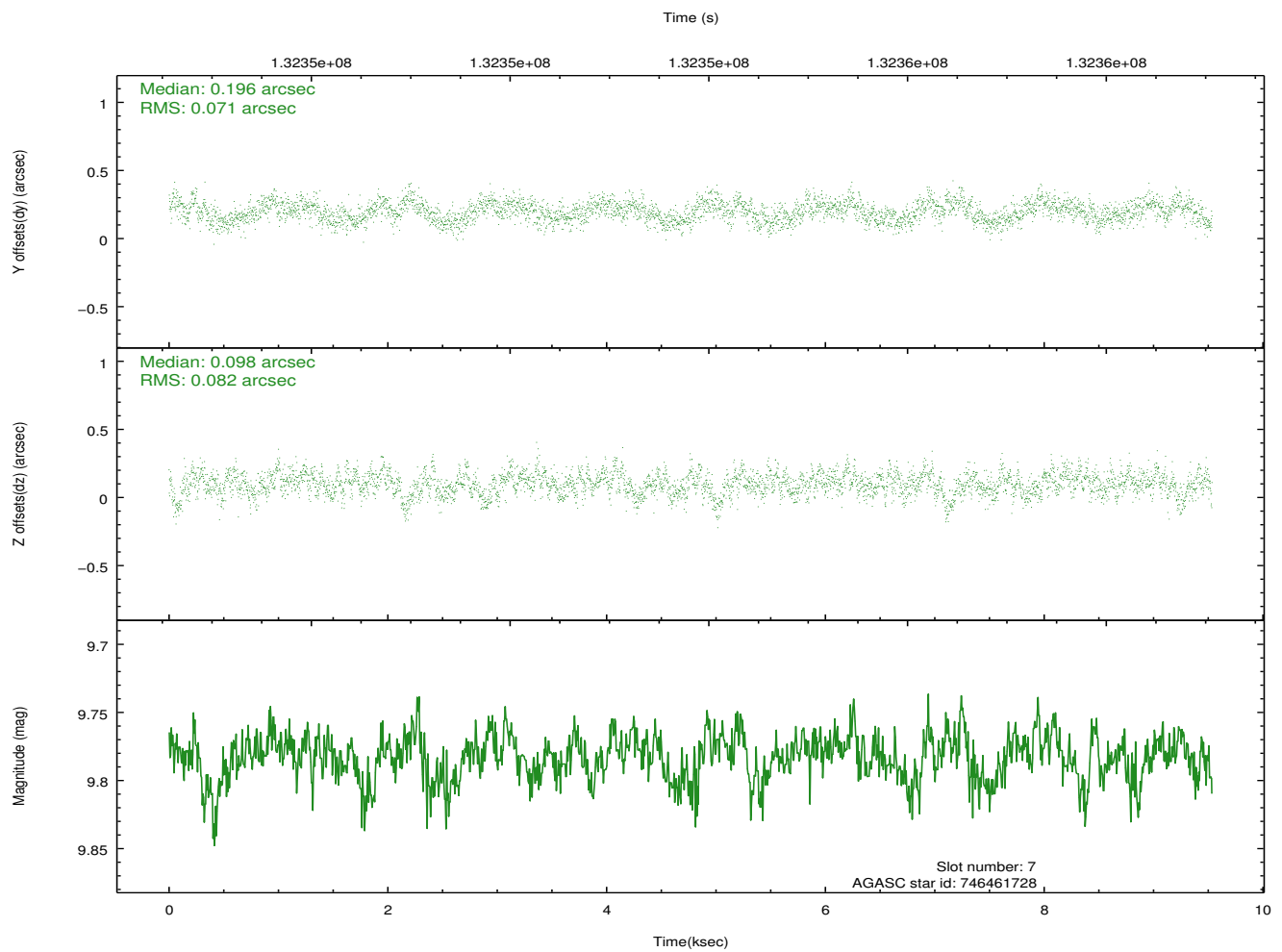
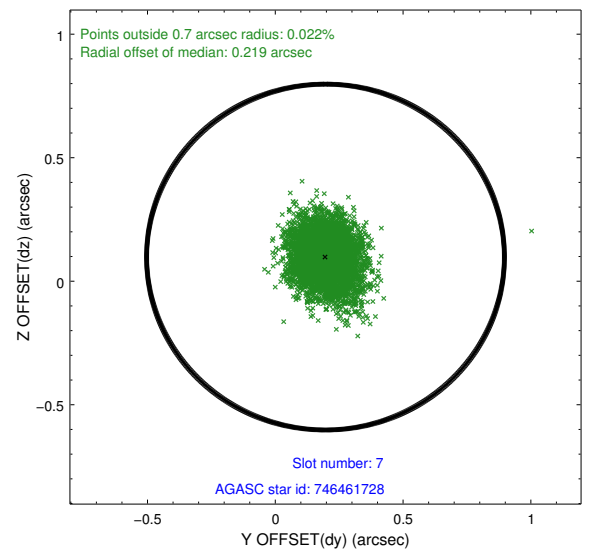
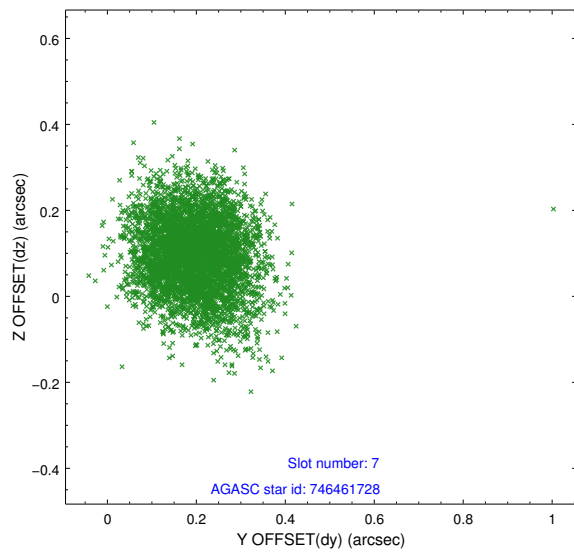
2.4.3 Slot 5



2.4.4 Slot 6

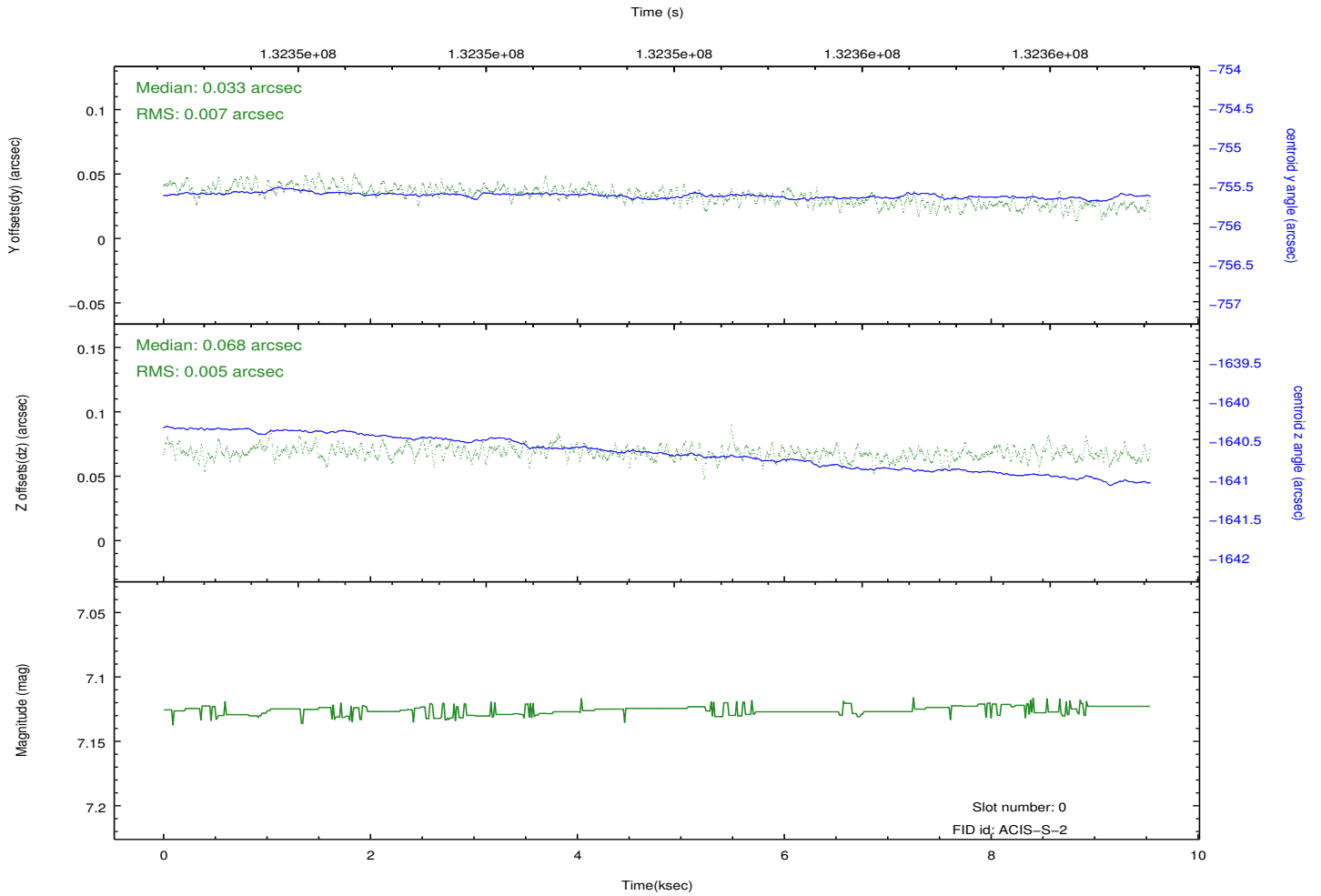
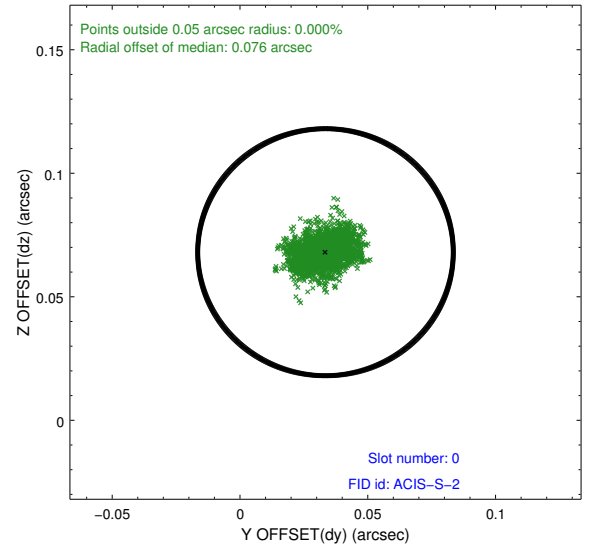
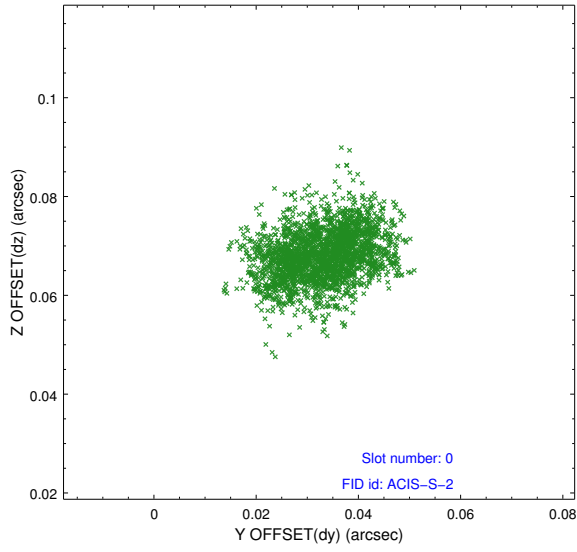


2.4.5 Slot 7

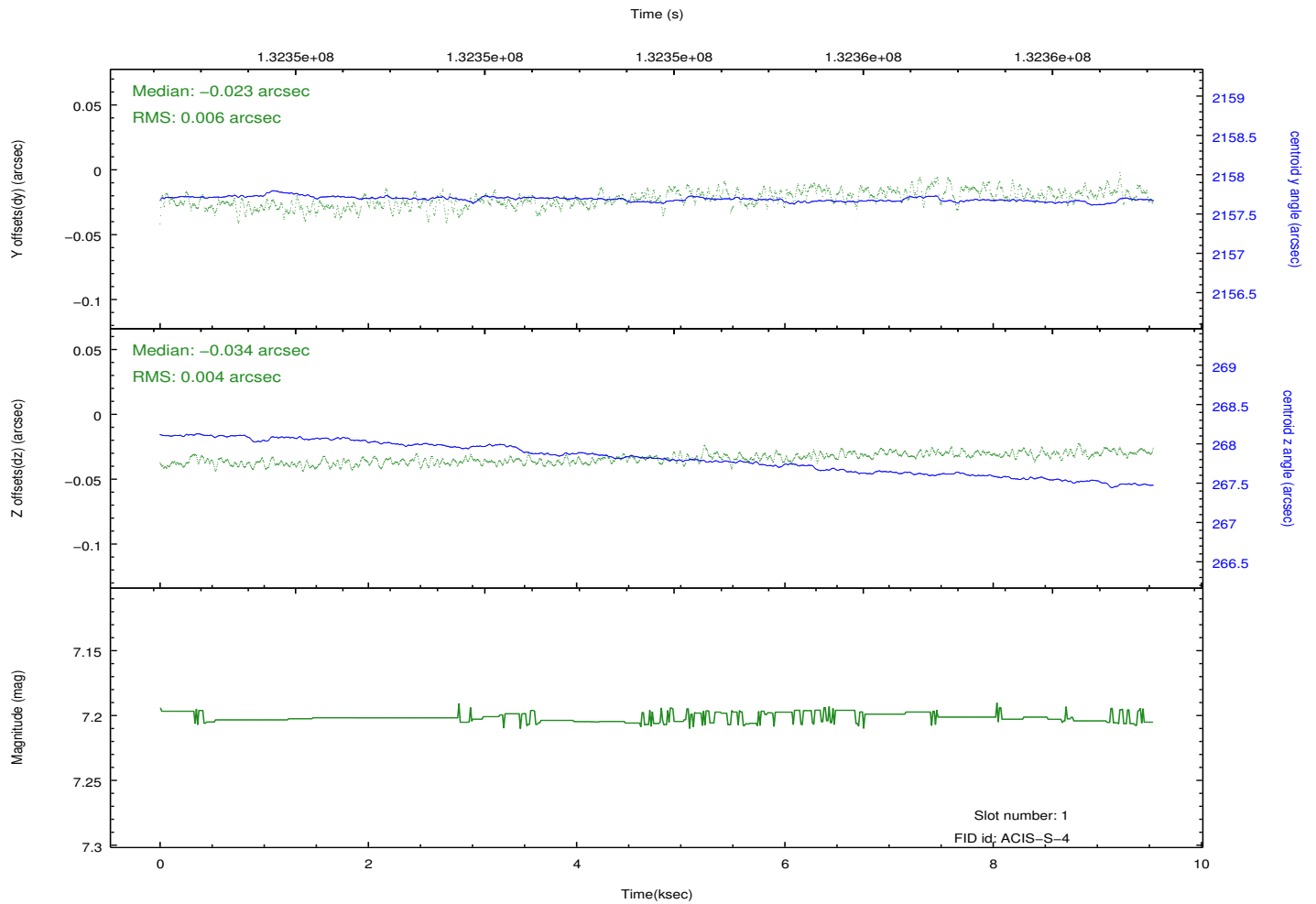
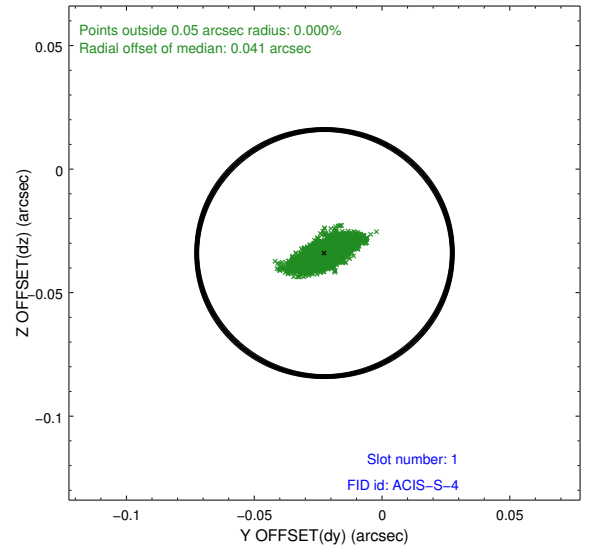
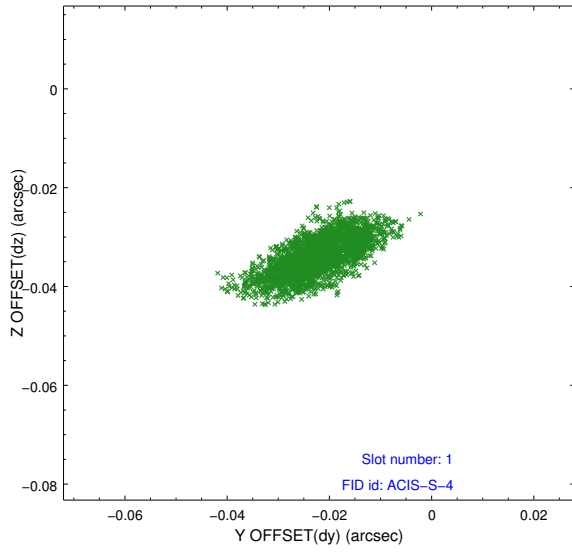


2.5 FID Slots

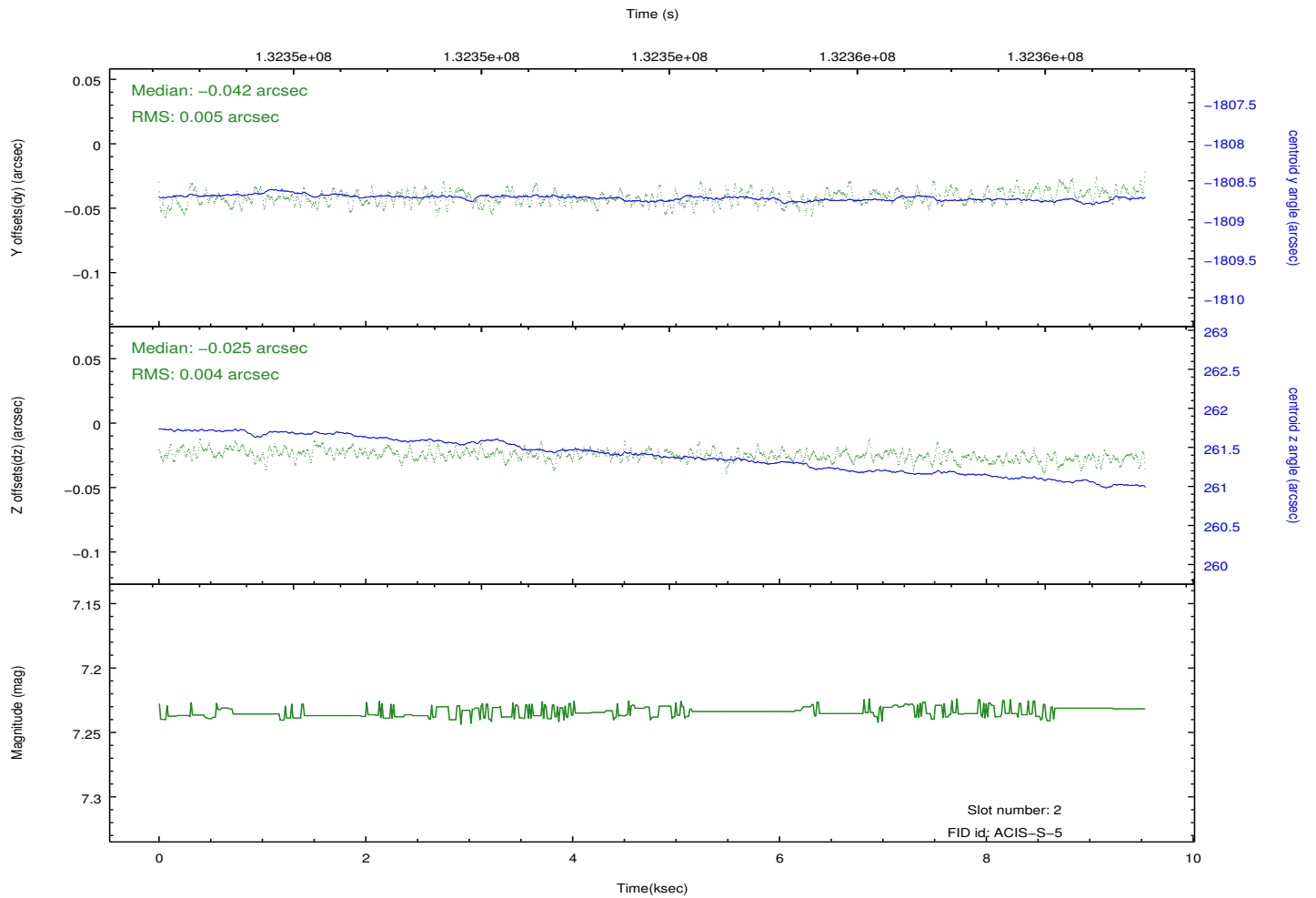
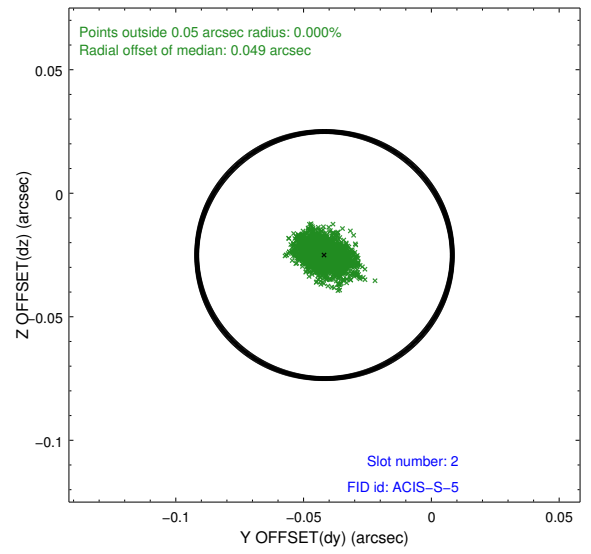
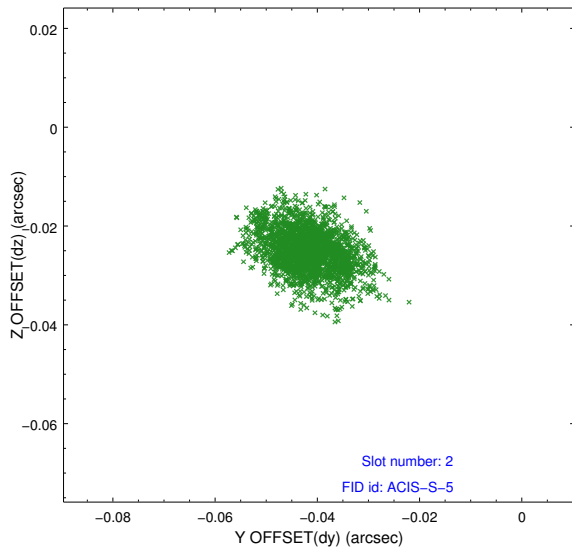
2.5.1 Slot 0



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)	2012.10.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.534

A.2 Comments

Window preference met.