

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6737 - L2 Version 2
Chandra X-Ray Center

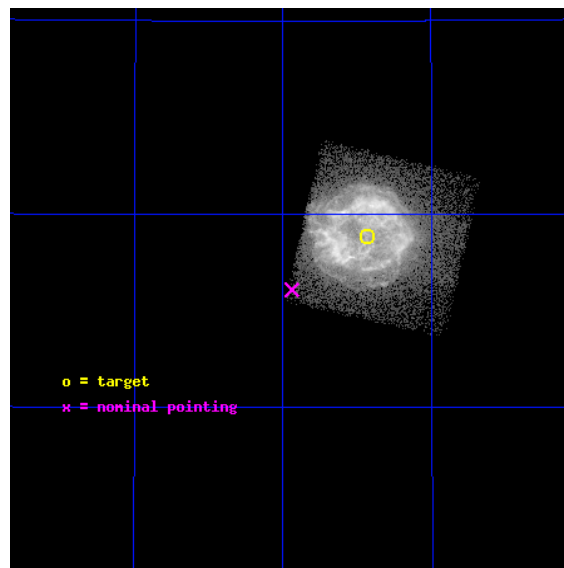
L2 Processing Date : Mar 28 2012

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1 Front

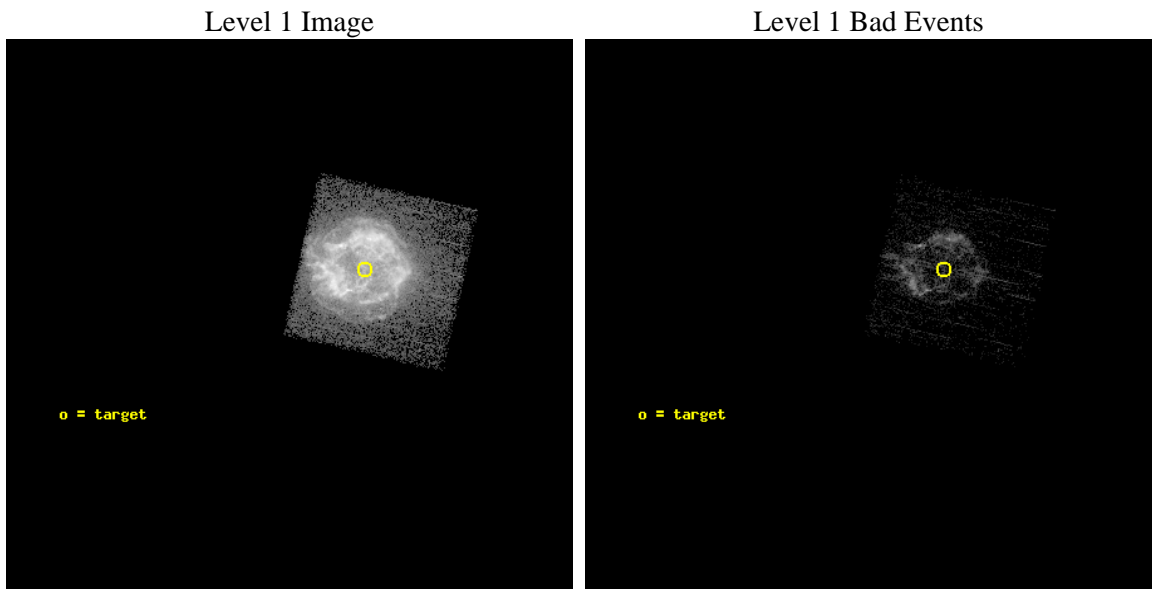
seq_num	590420	Sequence number
obs_id	6737	Observation id
title	AO7 Observations of the Standard Candles Cas A and G21.5-09	Propos
observer	Dr. CXC Calibration	Principal investigator
object	Cas A[I3,-120,-3.0,3.5,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	350.98525752367	Nominal RA [deg]
dec_nom	58.768234276063	Nominal Dec [deg]
roll_nom	12.953597368528	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1707.0432255566	Sum of GTIs [s]
livetime	1685.4276163766	Livetime [s]
ontime0	2099.1999921799	Sum of GTIs [s]
ontime1	2099.1999921799	Sum of GTIs [s]
ontime2	2099.1999921799	Sum of GTIs [s]
ontime3	1707.0432255566	Sum of GTIs [s]
ontime6	2099.1999921799	Sum of GTIs [s]
ontime7	2099.1999921799	Sum of GTIs [s]
l2events	349752	Number of level 2 events



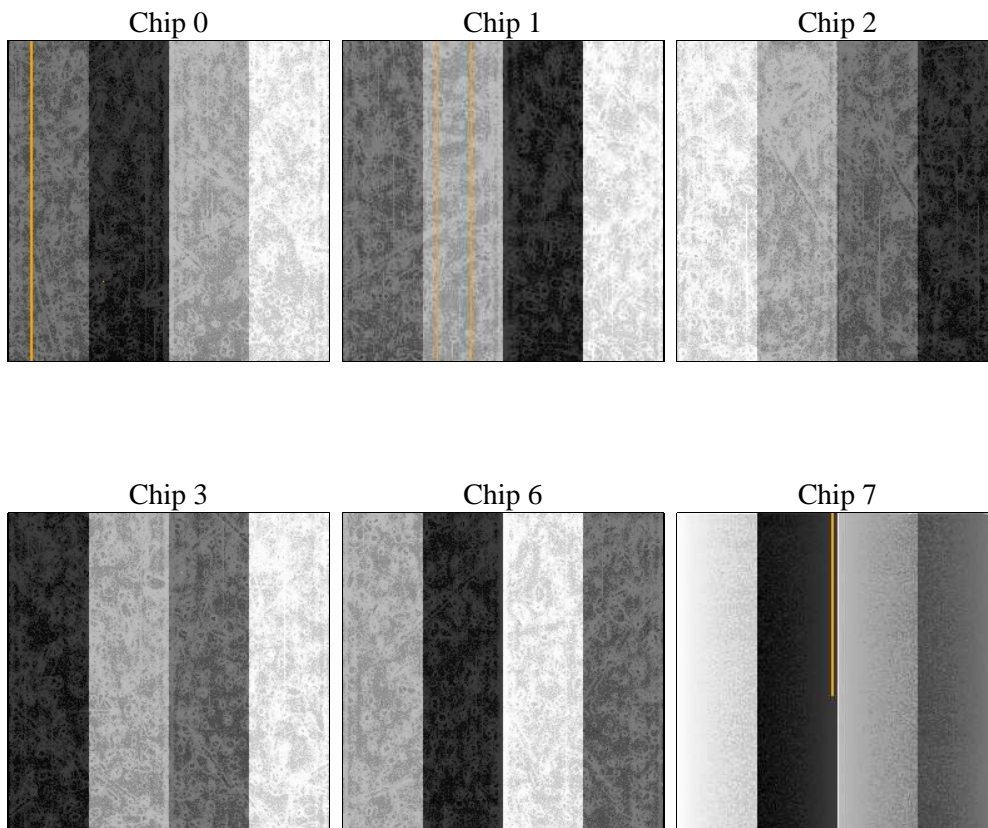
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1707.0432255566	Sum of GTIs [s]
caldbver	4.4.8	 	ontime0	2099.1999921799	Sum of GTIs [s]
date	2012-03-28T20:40:56	Date and time of file creation	ontime1	2099.1999921799	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2099.1999921799	Sum of GTIs [s]
			ontime3	1707.0432255566	Sum of GTIs [s]
			ontime6	2099.1999921799	Sum of GTIs [s]
			ontime7	2099.1999921799	Sum of GTIs [s]
			l1events	448570	Number of level 1 events

2.1.4 Events

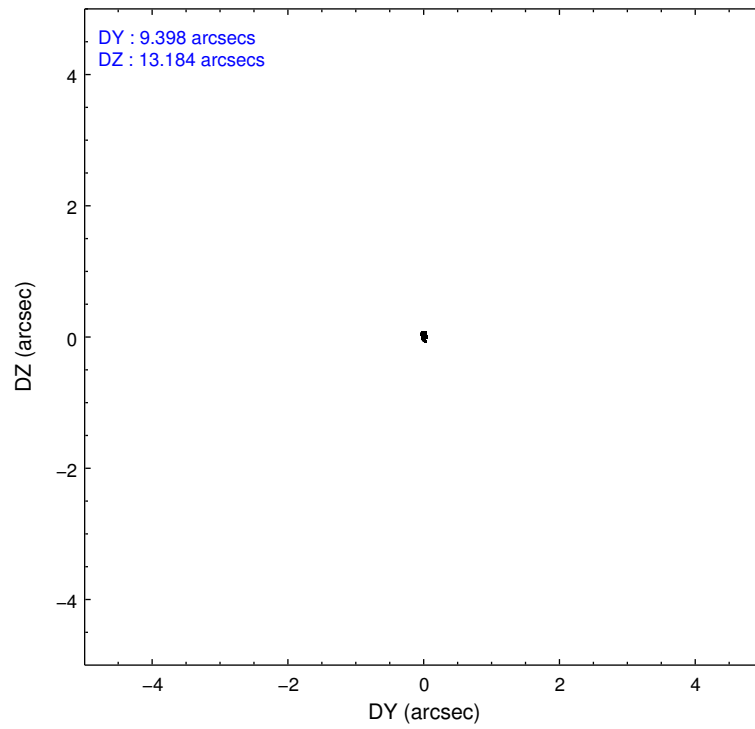
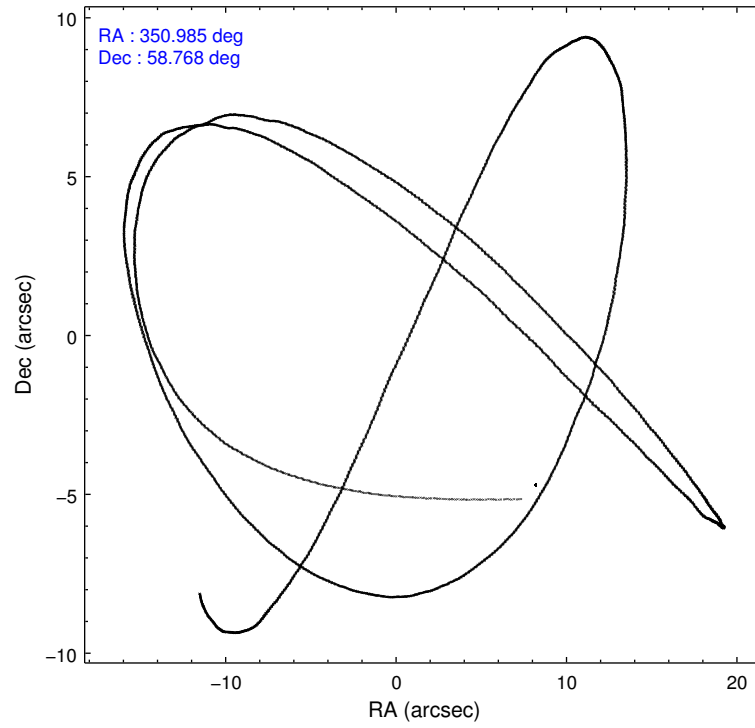
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	0	0	0	448570	0	0
rejected events	0	0	0	87993	0	0
rejected %	0%	0%	0%	19%	0%	0%

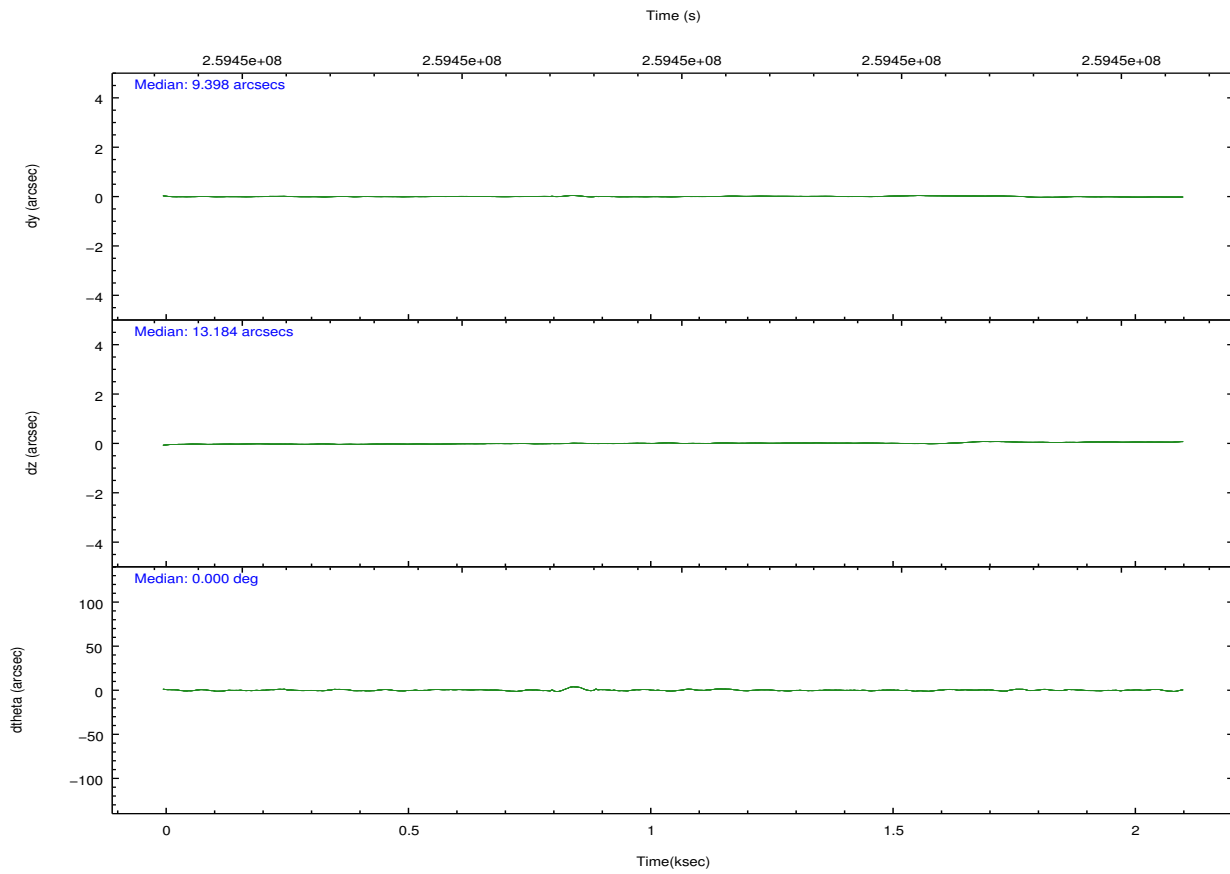
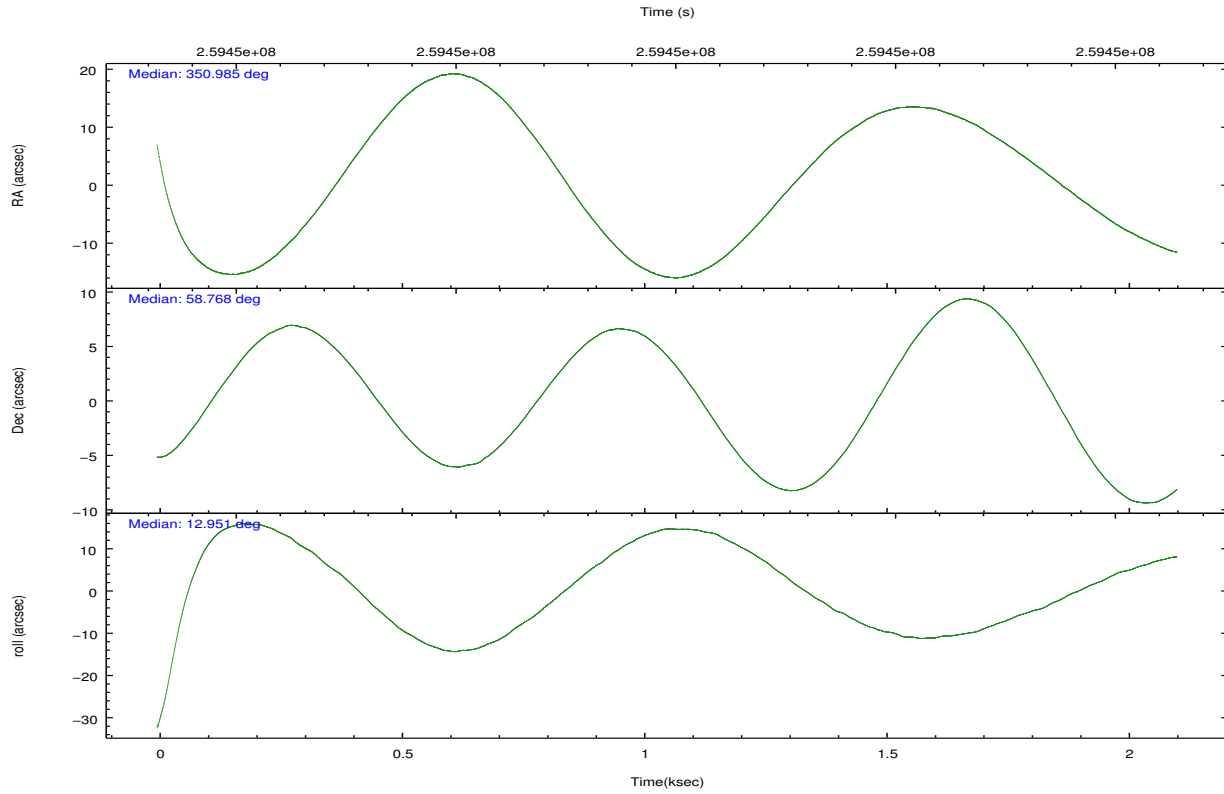
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	0	0	0	331700	0	0
	0%	0%	0%	73%	0%	0%
grade 1 events	0	0	0	5803	0	0
	0%	0%	0%	1%	0%	0%
grade 2 events	0	0	0	41598	0	0
	0%	0%	0%	9%	0%	0%
grade 3 events	0	0	0	13307	0	0
	0%	0%	0%	2%	0%	0%
grade 4 events	0	0	0	13338	0	0
	0%	0%	0%	2%	0%	0%
grade 5 events	0	0	0	4115	0	0
	0%	0%	0%	0%	0%	0%
grade 6 events	0	0	0	8733	0	0
	0%	0%	0%	1%	0%	0%
grade 7 events	0	0	0	29976	0	0
	0%	0%	0%	6%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	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	350.946858	350.9852575236657	Subarray requested	NONE	NONE
[deg] Pointing Dec	58.749474	58.76823427606274	Alternating exposures requested	N	N
[deg] Pointing Roll	12.777909	12.95359736852828	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	255139265.184000	255139265.184000			
[s] Window stop time (MET)	262742465.184000	262742465.184000			
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	259448530.184000	259446757.76527			
Observation start date	2006-03-22T21:01:05	2006-03-22T20:32:37			
[s] Observation end time (MET)	259450530.184000	259450737.32795			
Observation end date	2006-03-22T21:34:25	2006-03-22T21:38:57			
Read mode	TIMED	TIMED			

2.3 Aspect



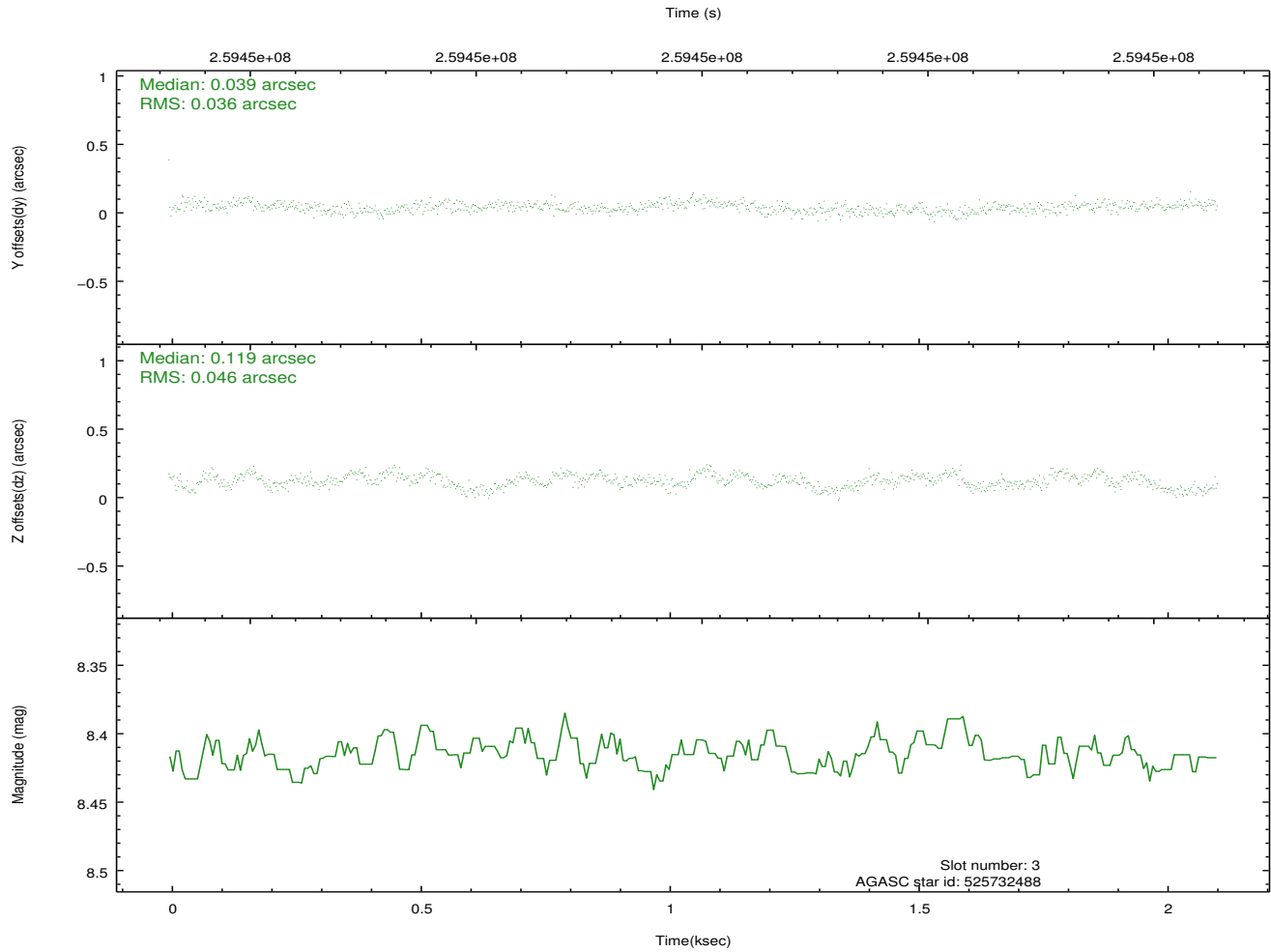
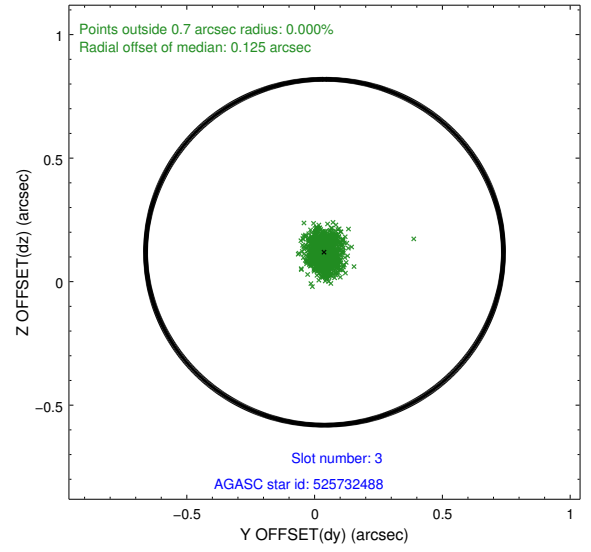
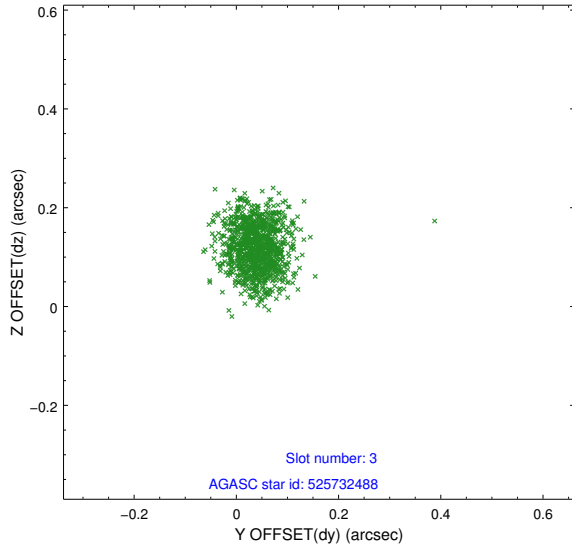


Slot Statistics

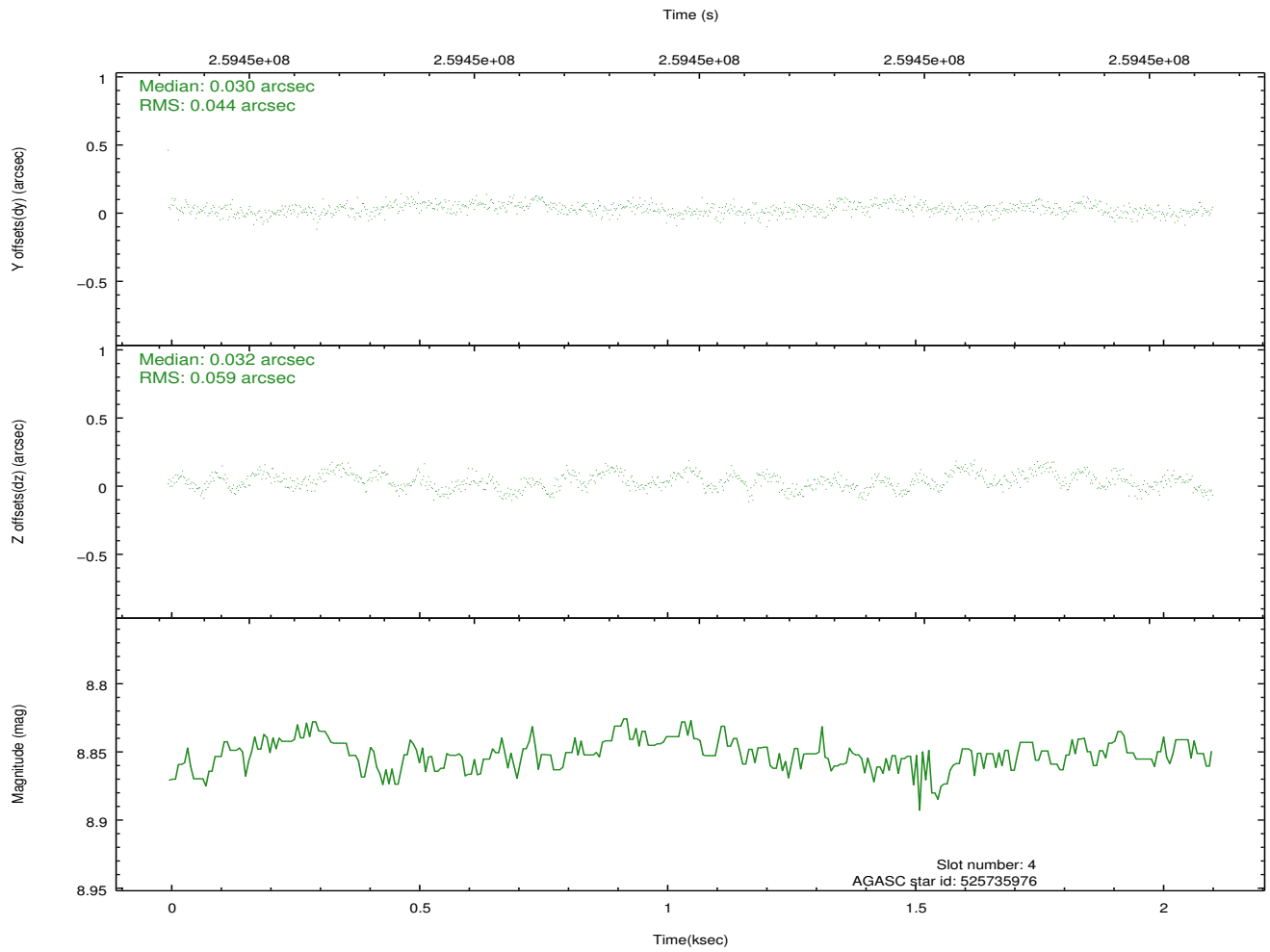
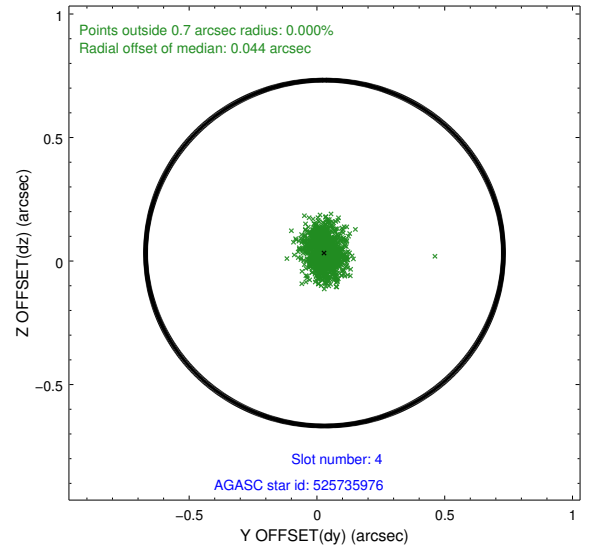
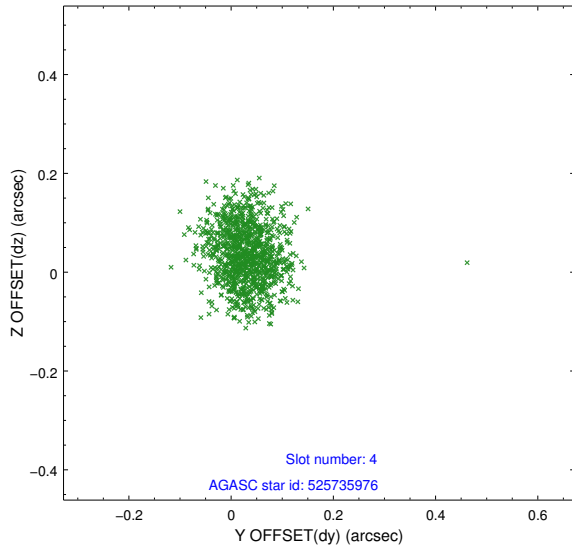
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.13	514	-0.003	-0.065	0.010	0.018	0.000000	0.000000	-764.00	-843.13
1	FID	ACIS-I-5	7.24	514	-0.173	0.064	0.008	0.016	0.000000	0.000000	-1819.60	1059.33
2	FID	ACIS-I-6	7.25	514	0.082	0.070	0.006	0.010	0.000000	0.000000	392.54	1707.27
3	GUIDE	525732488	8.42	1028	0.039	0.119	0.062	0.100	350.087090	58.516915	-1758.73	-448.74
4	GUIDE	525735976	8.85	1028	0.030	0.032	0.078	0.123	350.142956	58.277622	-1859.01	-1311.61
5	GUIDE	525609504	9.06	1028	0.122	0.117	0.077	0.128	349.896632	58.356658	-2245.16	-926.44
6	GUIDE	525735456	6.75	1028	-0.091	-0.259	0.058	0.091	350.628183	59.307249	-128.76	2088.06
7	GUIDE	525737896	7.00	1027	-0.099	-0.001	0.058	0.094	352.012180	59.335036	2377.41	1640.72

2.4 Star Slots

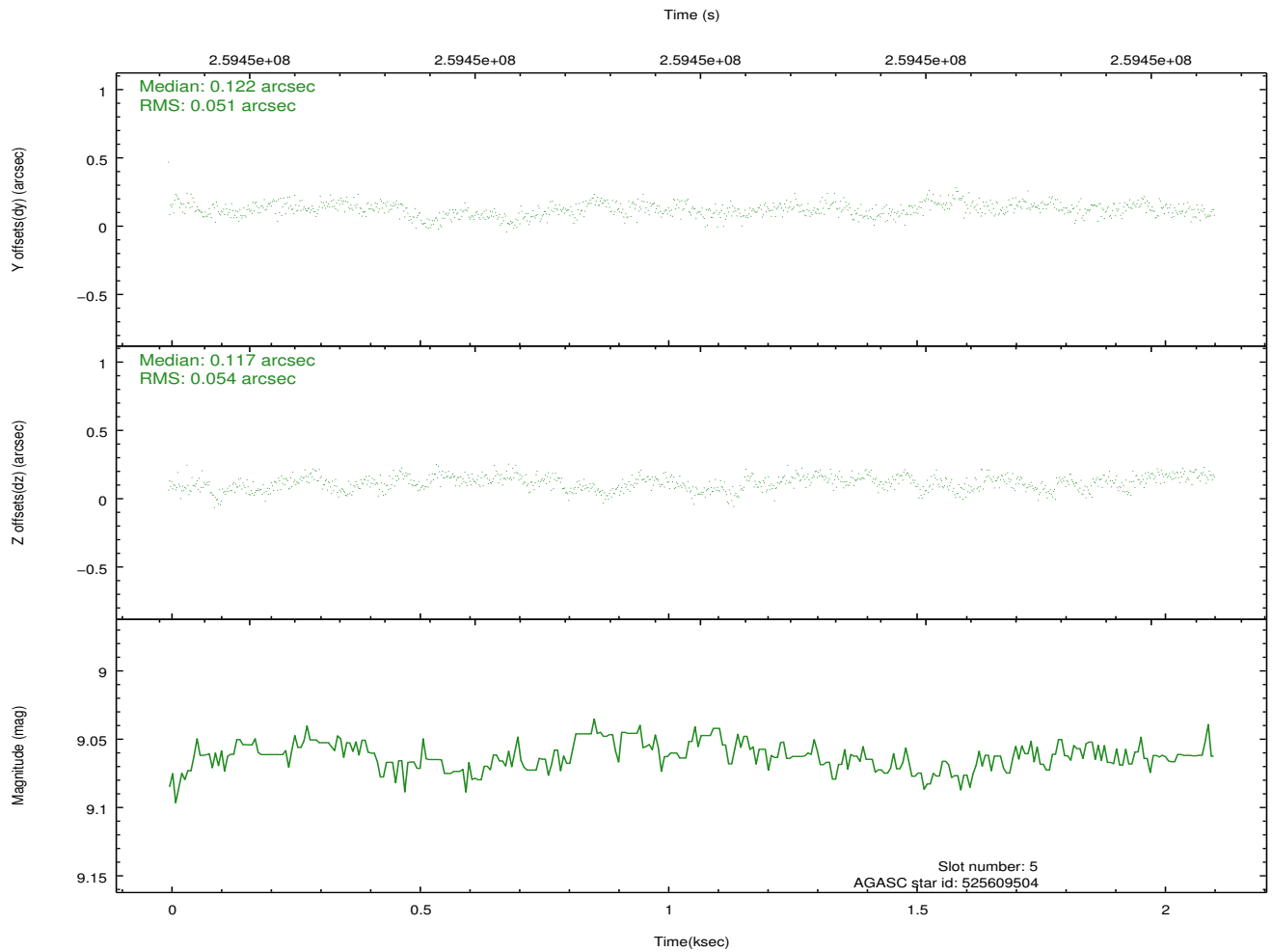
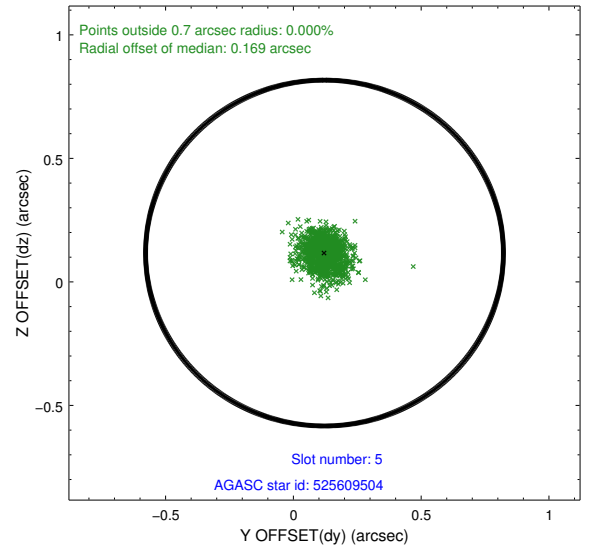
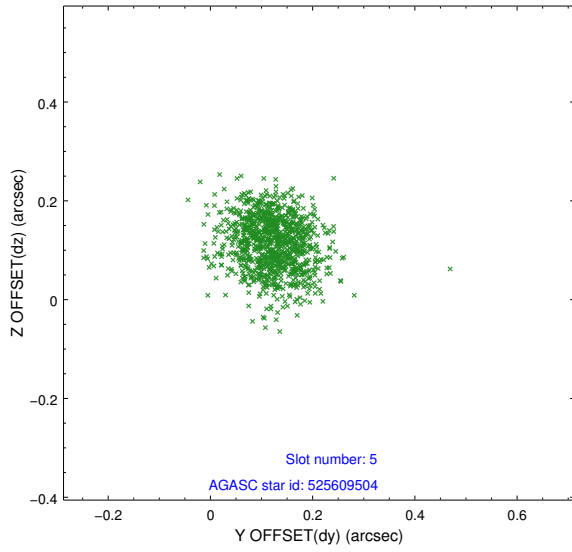
2.4.1 Slot 3



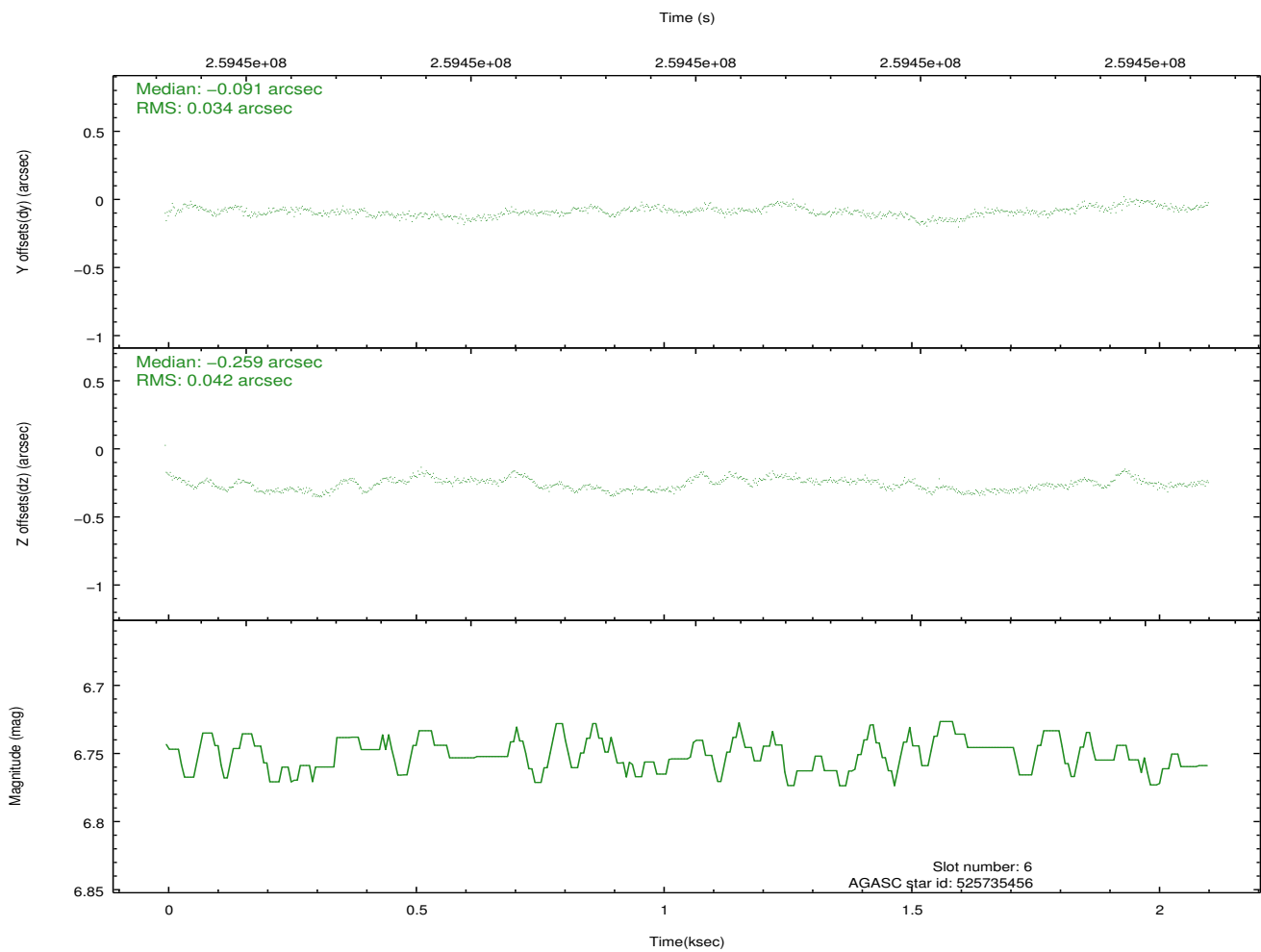
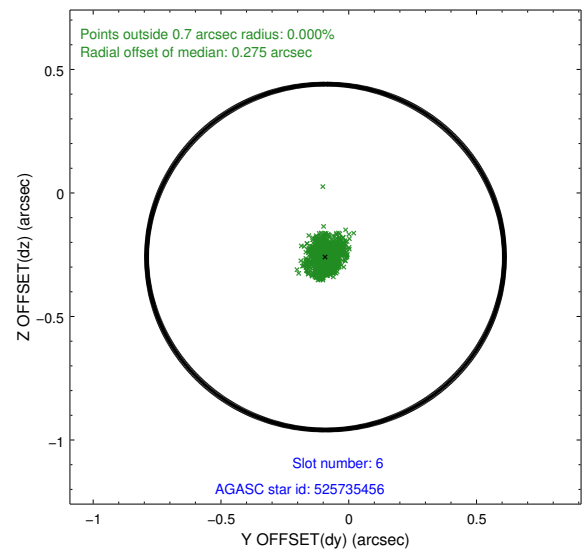
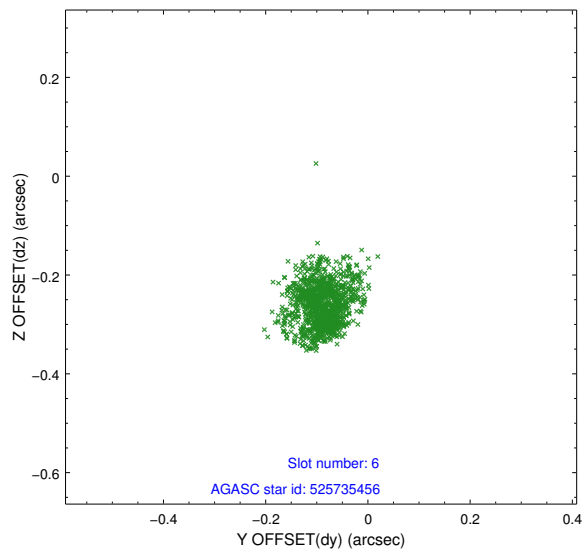
2.4.2 Slot 4



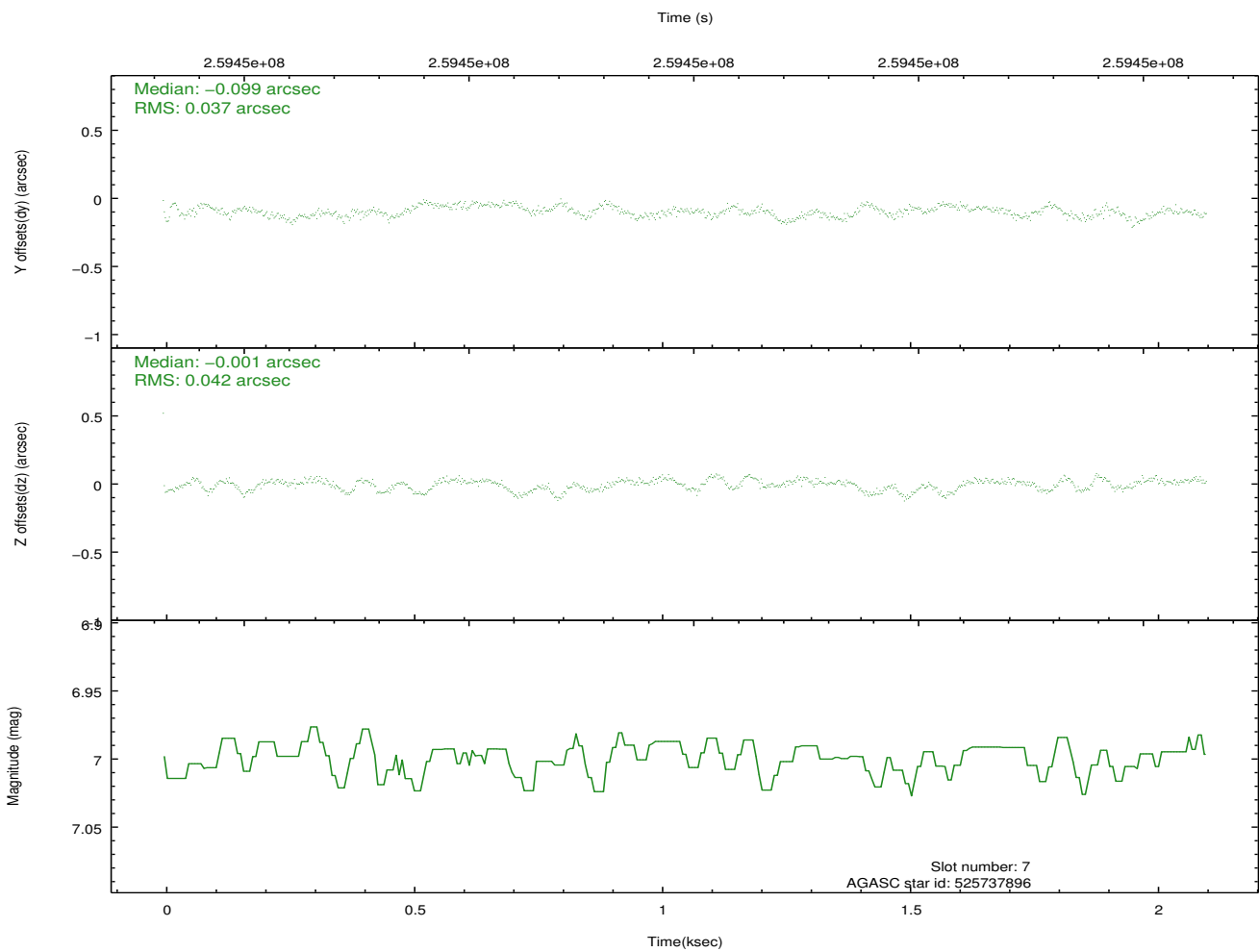
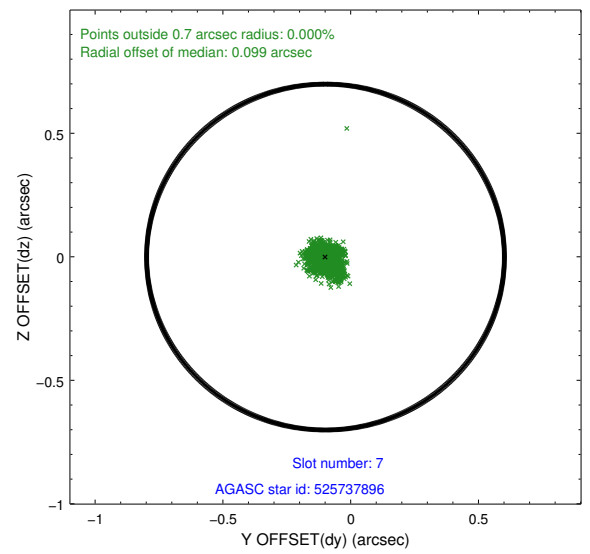
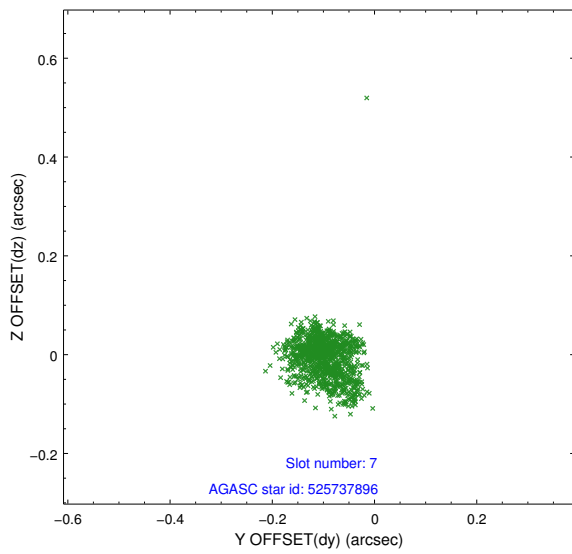
2.4.3 Slot 5



2.4.4 Slot 6

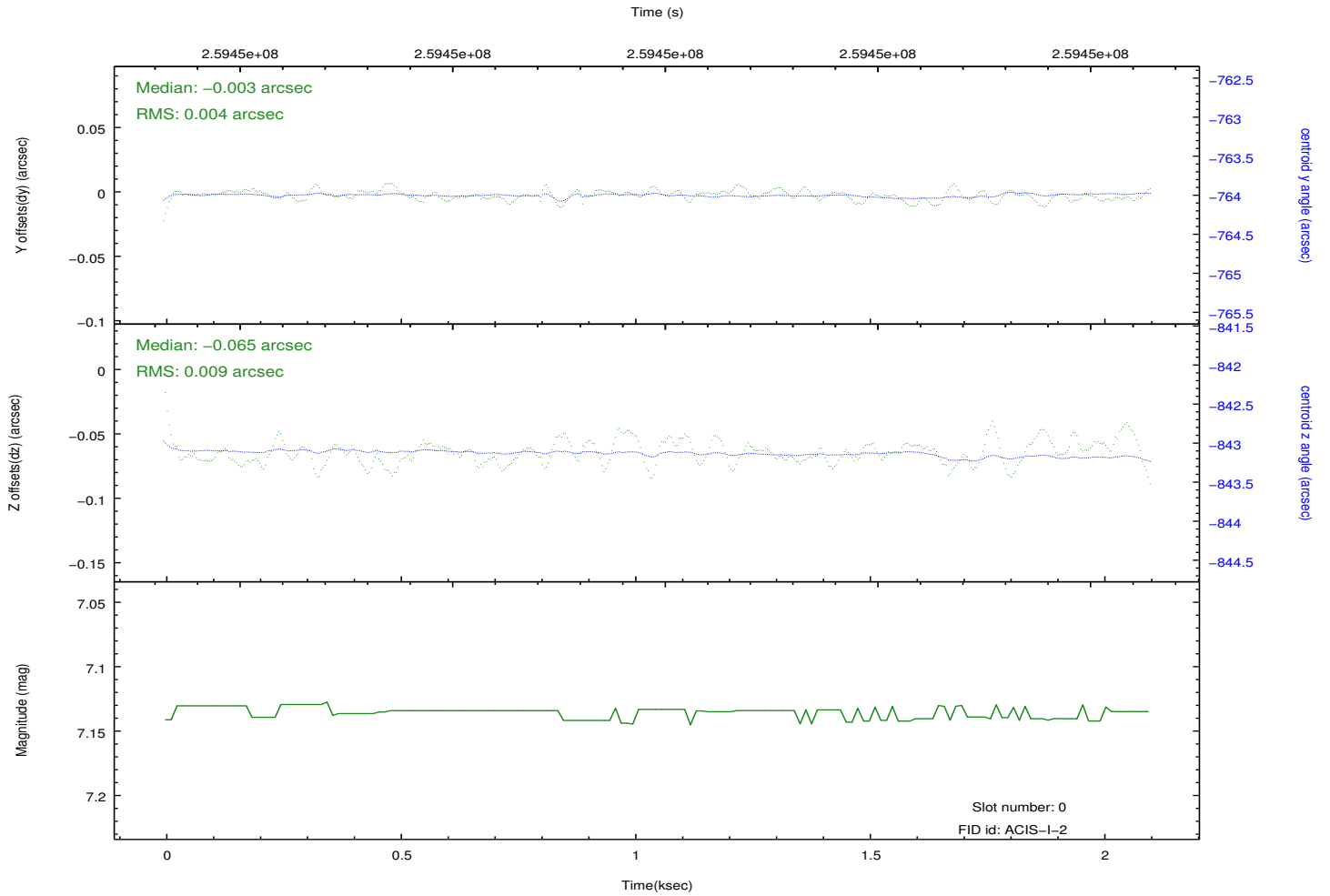
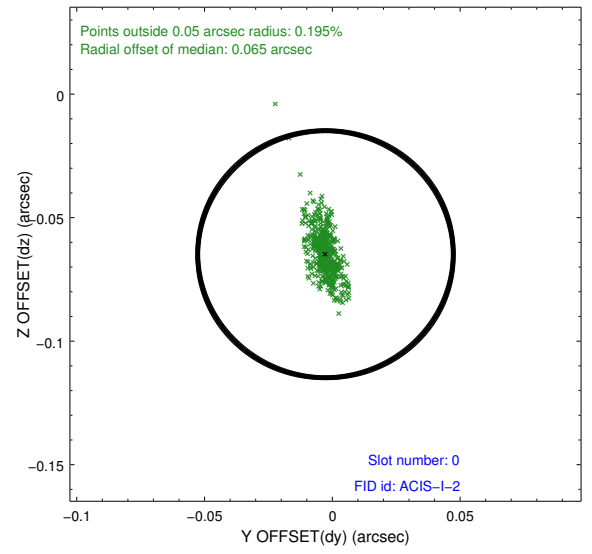
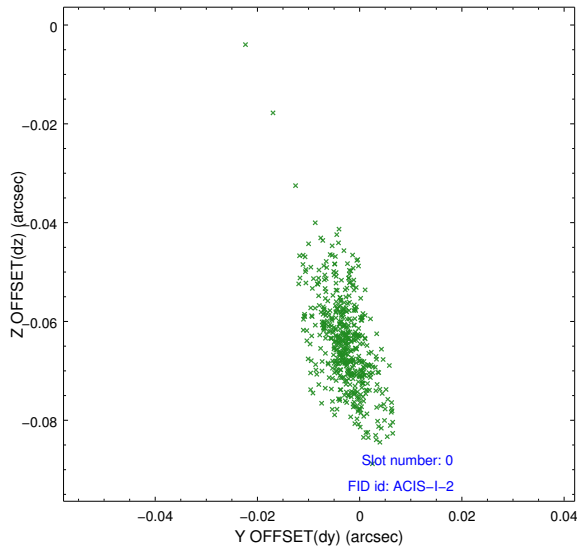


2.4.5 Slot 7

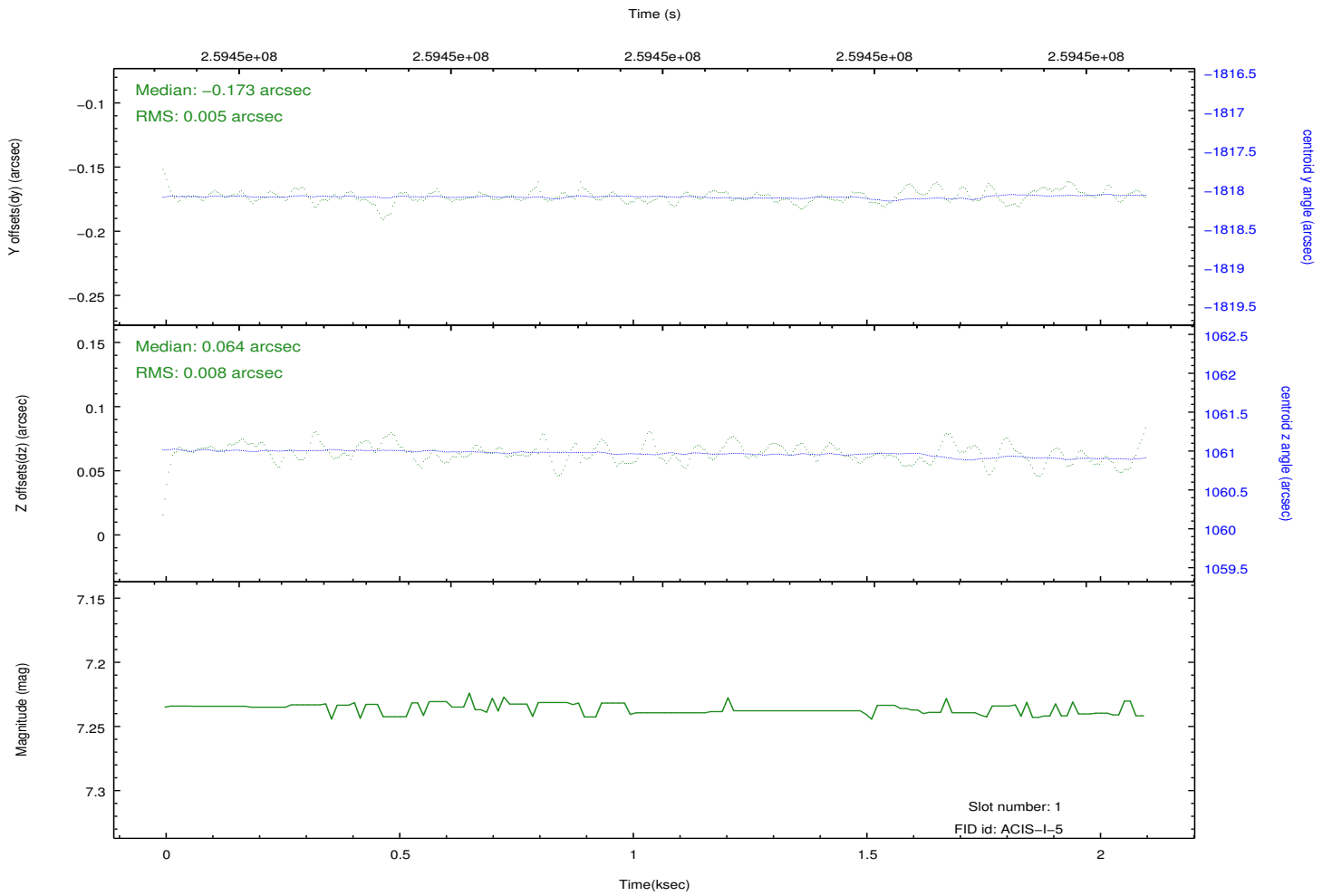
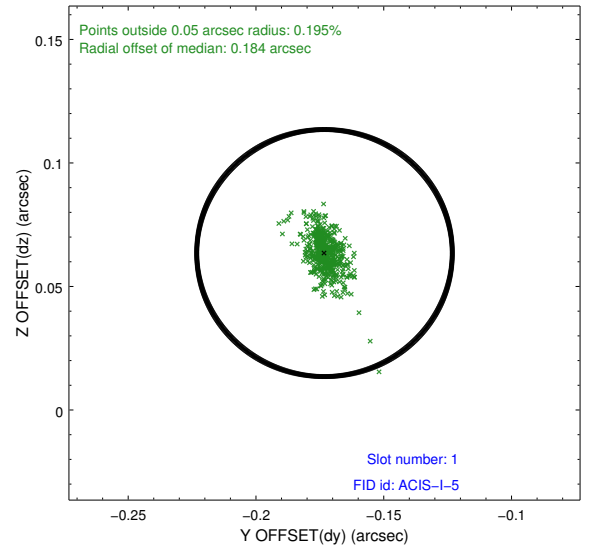
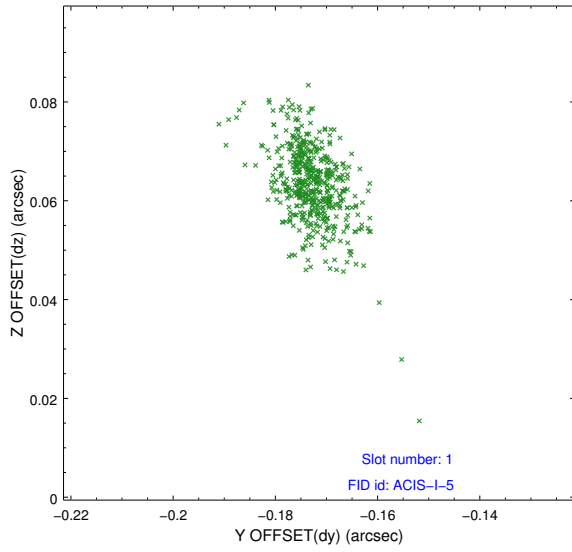


2.5 FID Slots

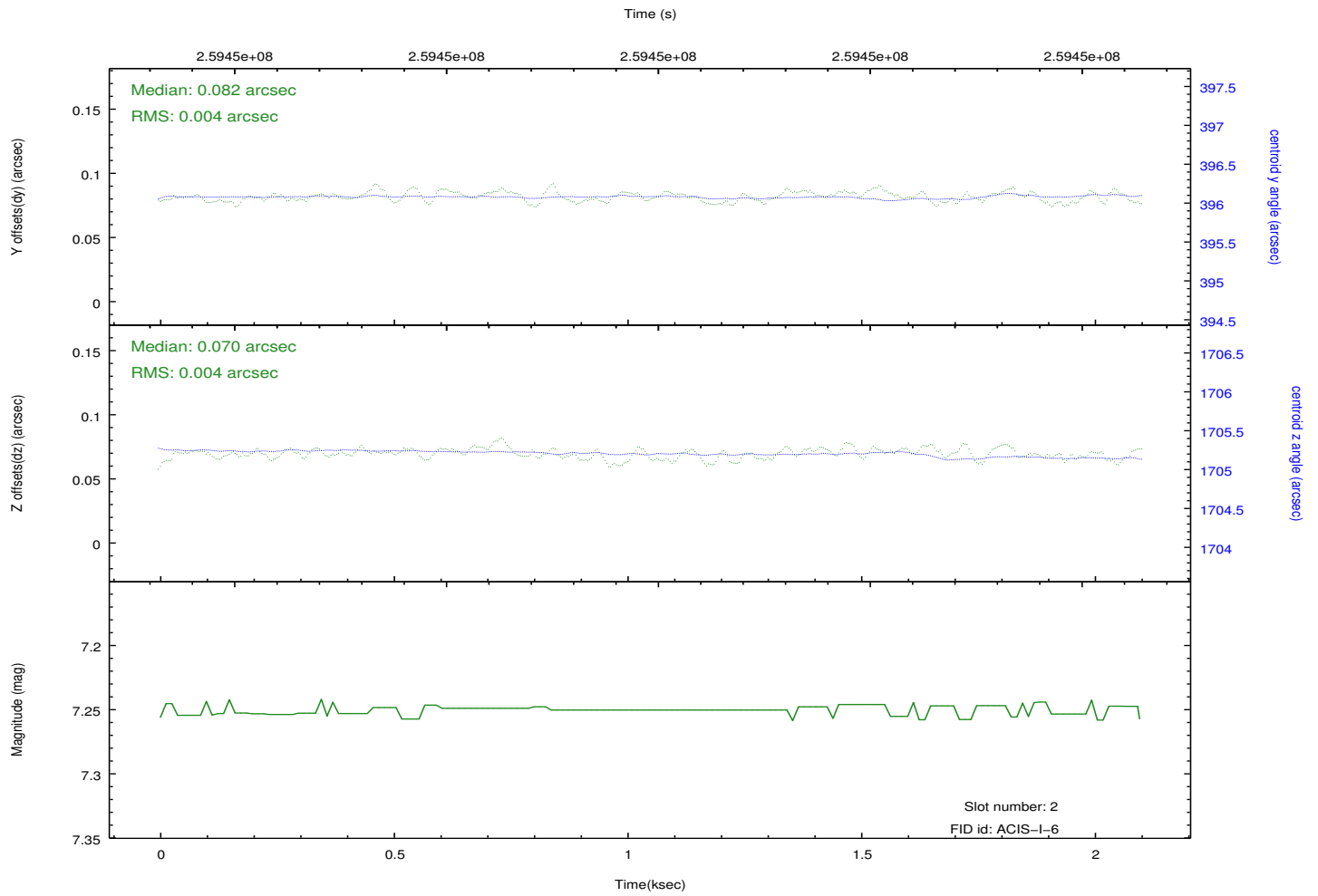
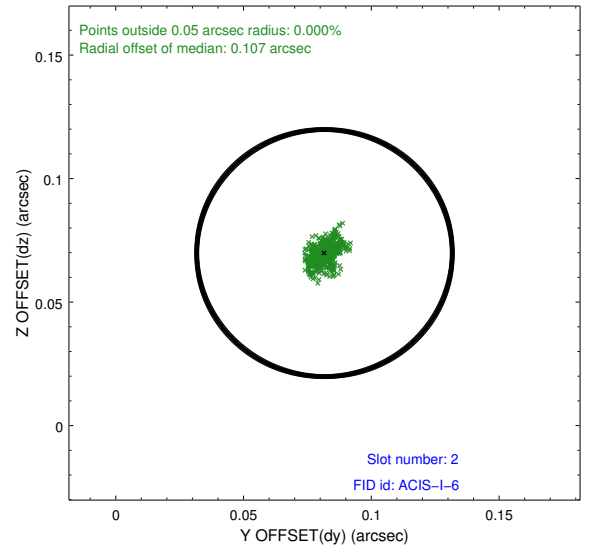
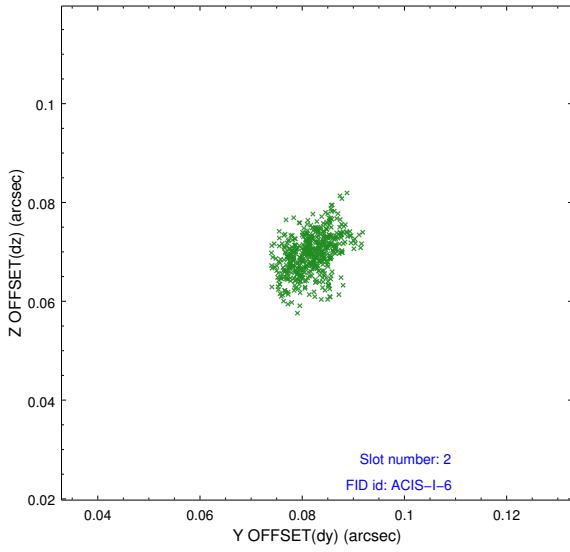
2.5.1 Slot 0



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)	2012.03.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.70704322

A.2 Comments

Window preferences met.