

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6744 - L2 Version 2
Chandra X-Ray Center

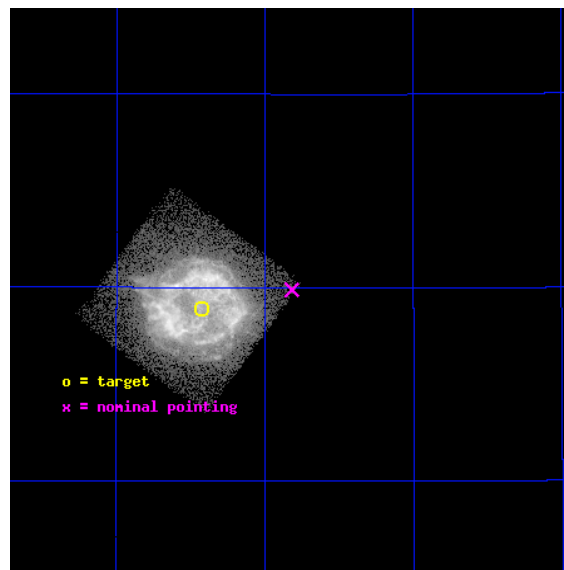
L2 Processing Date : Apr 11 2012

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1 Front

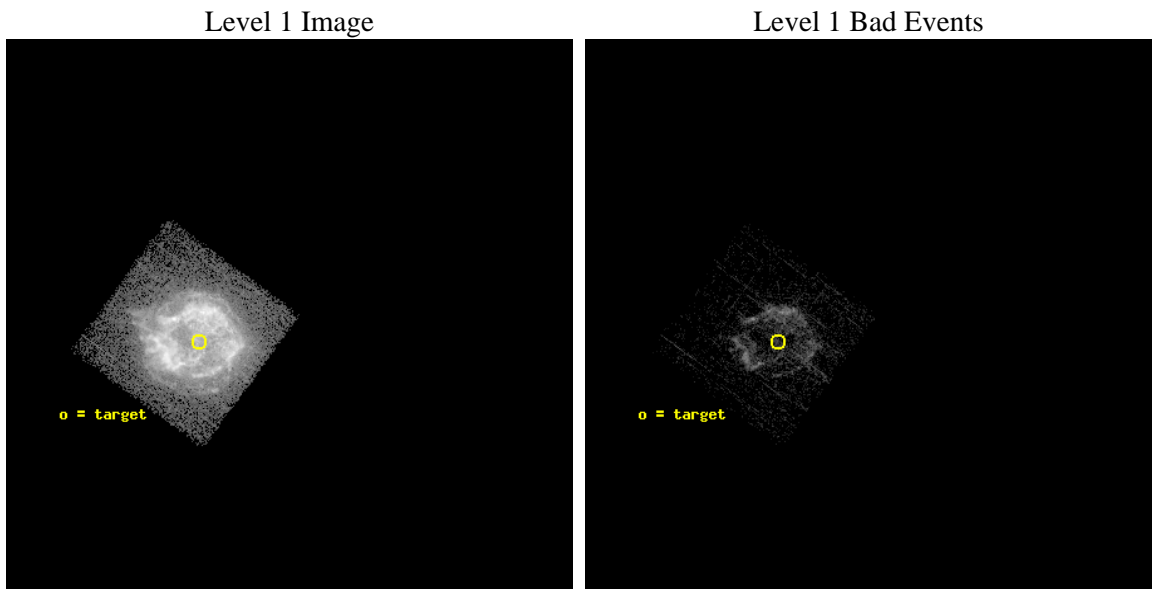
seq_num	590427	Sequence number
obs_id	6744	Observation id
title	AO7 Observations of the Standard Candles Cas A and G21.5-09	Propos
observer	Dr. CXC Calibration	Principal investigator
object	Cas A[I3,-120,-3.0,3.5,0]	Source name
dtycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	350.70463288466	Nominal RA [deg]
dec_nom	58.831590973277	Nominal Dec [deg]
roll_nom	216.34064816572	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1701.3386106491	Sum of GTIs [s]
liveltime	1679.7952367379	Livetime [s]
ontime0	2038.399992466	Sum of GTIs [s]
ontime1	2038.399992466	Sum of GTIs [s]
ontime2	2038.399992466	Sum of GTIs [s]
ontime3	1701.3386106491	Sum of GTIs [s]
ontime6	2038.399992466	Sum of GTIs [s]
ontime7	2038.399992466	Sum of GTIs [s]
l2events	348935	Number of level 2 events



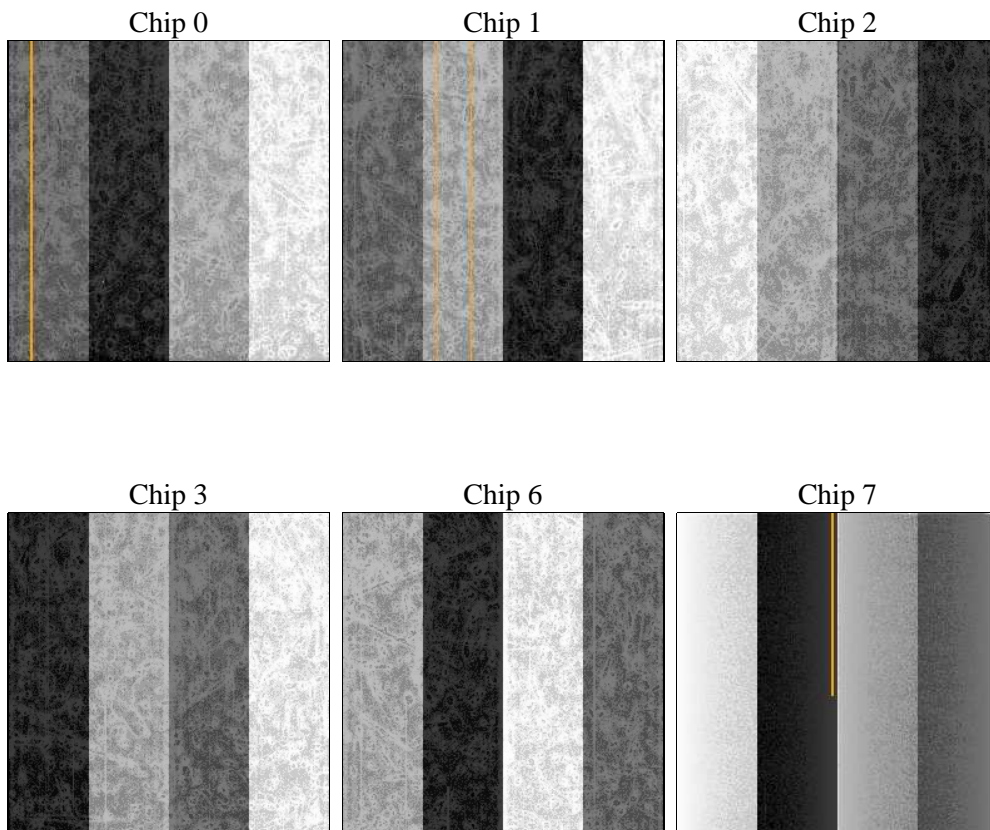
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	1701.3386106491	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	2038.399992466	Sum of GTIs [s]
date	2012-04-11T15:12:28	Date and time of file creation	ontime1	2038.399992466	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2038.399992466	Sum of GTIs [s]
			ontime3	1701.3386106491	Sum of GTIs [s]
			ontime6	2038.399992466	Sum of GTIs [s]
			ontime7	2038.399992466	Sum of GTIs [s]
			l1events	386948	Number of level 1 events

2.1.4 Events

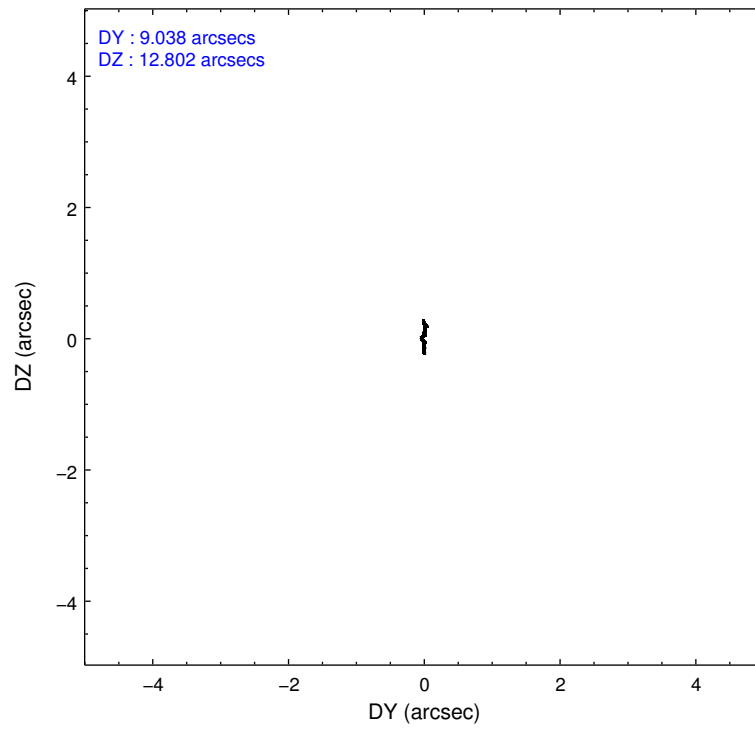
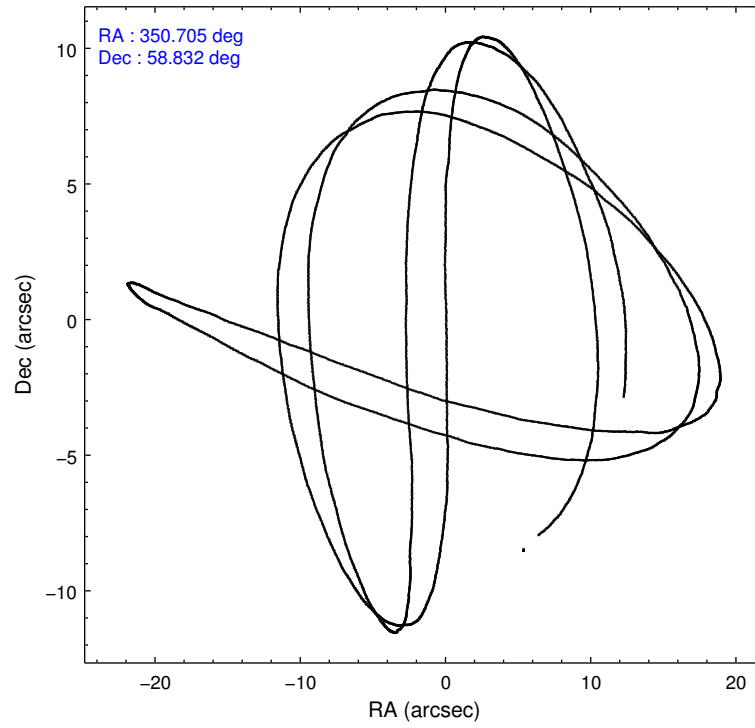
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	0	0	0	386948	0	0
rejected events	0	0	0	27446	0	0
rejected %	0%	0%	0%	7%	0%	0%

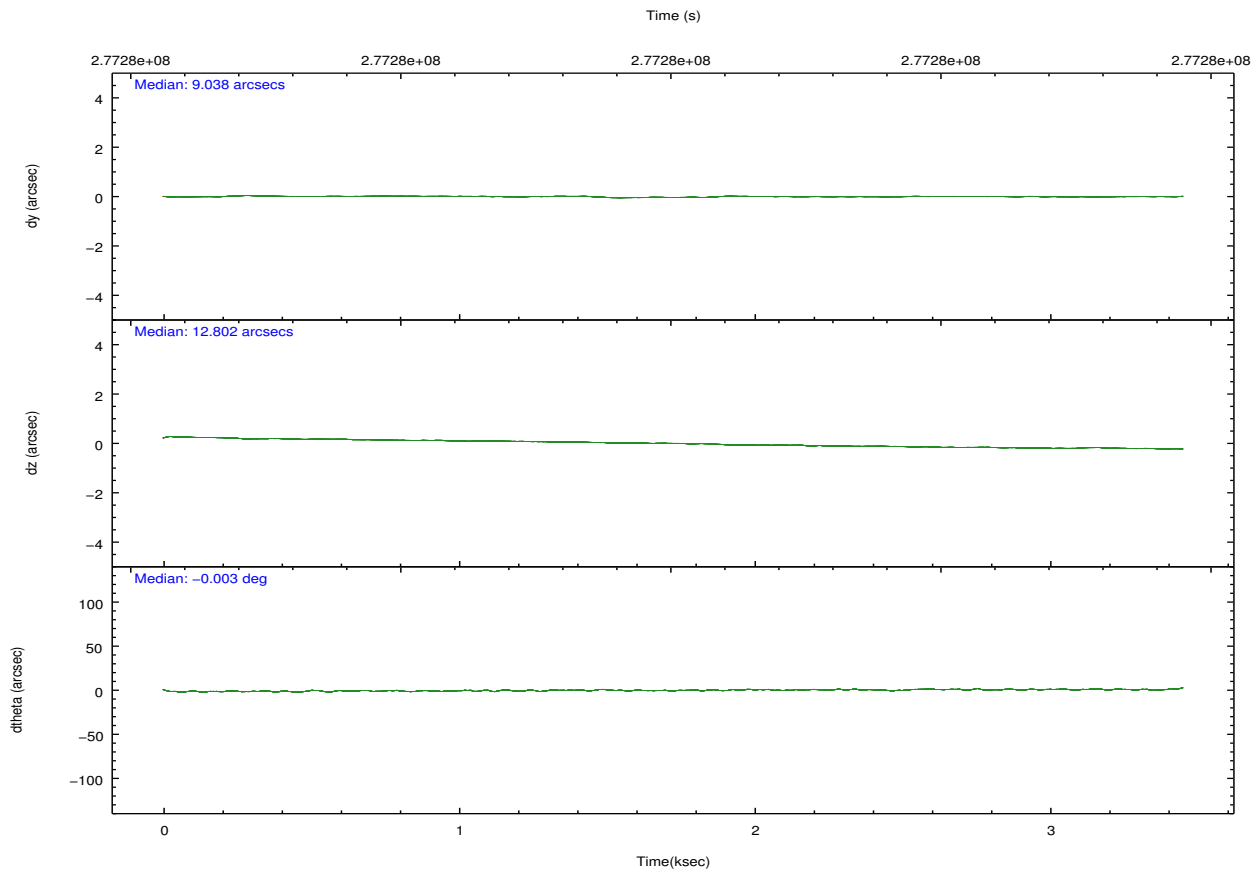
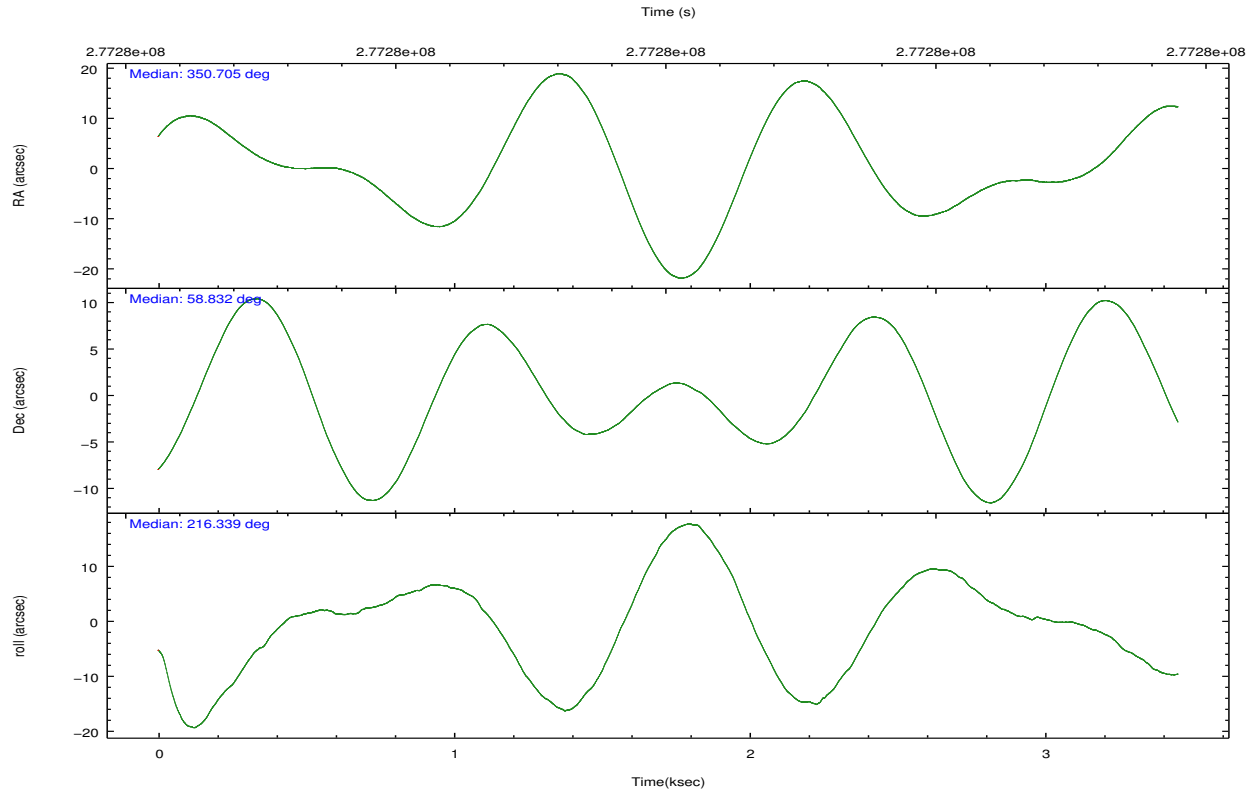
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	0	0	0	292838	0	0
	0%	0%	0%	75%	0%	0%
grade 1 events	0	0	0	4908	0	0
	0%	0%	0%	1%	0%	0%
grade 2 events	0	0	0	36817	0	0
	0%	0%	0%	9%	0%	0%
grade 3 events	0	0	0	11862	0	0
	0%	0%	0%	3%	0%	0%
grade 4 events	0	0	0	11831	0	0
	0%	0%	0%	3%	0%	0%
grade 5 events	0	0	0	3018	0	0
	0%	0%	0%	0%	0%	0%
grade 6 events	0	0	0	7512	0	0
	0%	0%	0%	1%	0%	0%
grade 7 events	0	0	0	18162	0	0
	0%	0%	0%	4%	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	350.725431	350.7046328846554	Subarray requested	NONE	NONE
[deg] Pointing Dec	58.856601	58.83159097327729	Alternating exposures requested	N	N
[deg] Pointing Roll	216.114159	216.3406481657161	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	273456065.184000	273456065.184000			
[s] Window stop time (MET)	281232065.184000	281232065.184000			
[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)	277278728.184000	277277090.75007			
Observation start date	2006-10-15T05:51:03	2006-10-15T05:24:50			
[s] Observation end time (MET)	277280728.184000	277280933.98775			
Observation end date	2006-10-15T06:24:23	2006-10-15T06:28:53			
Read mode	TIMED	TIMED			

2.3 Aspect



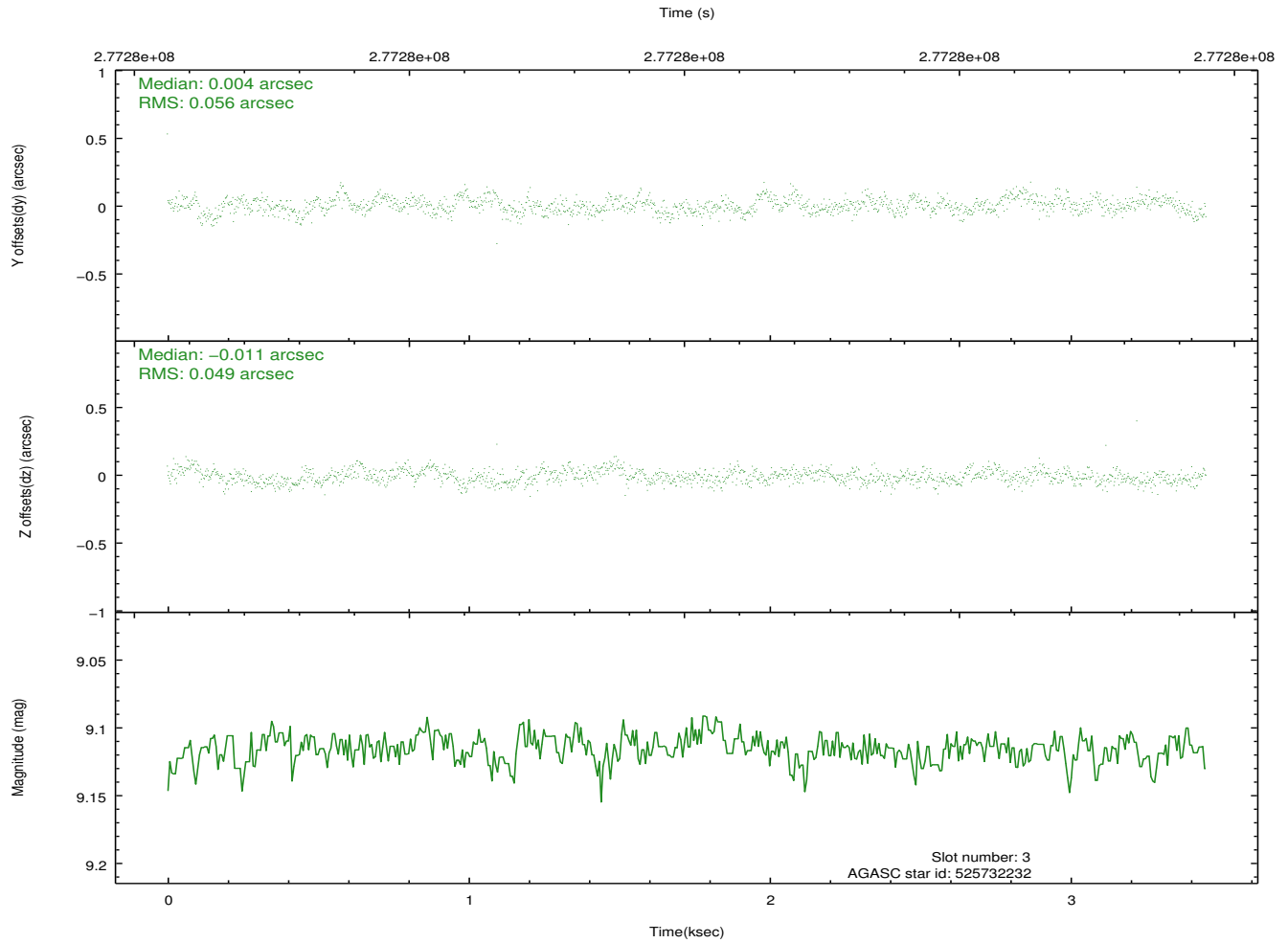
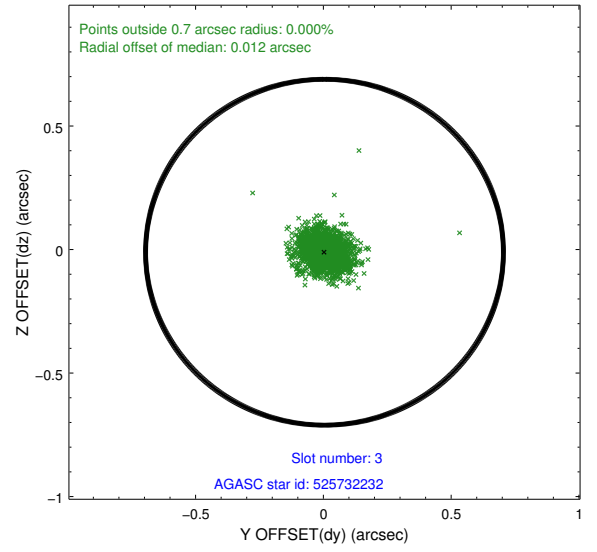
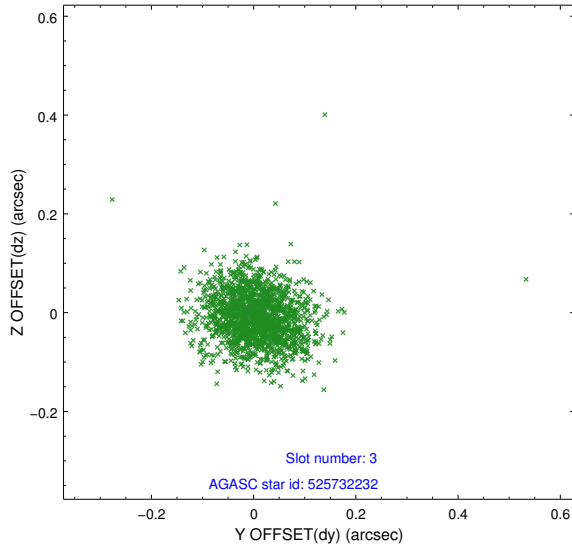


Slot Statistics

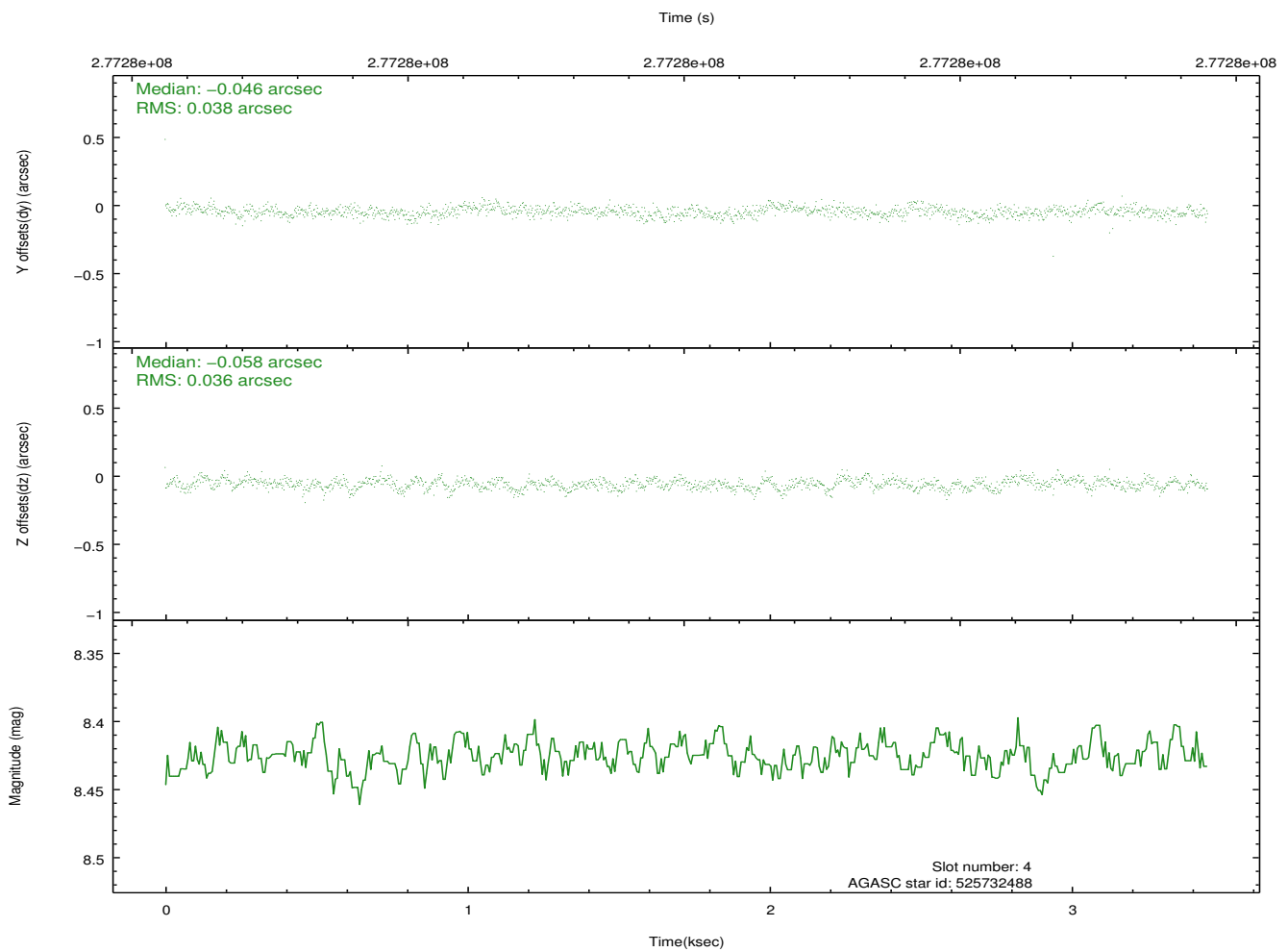
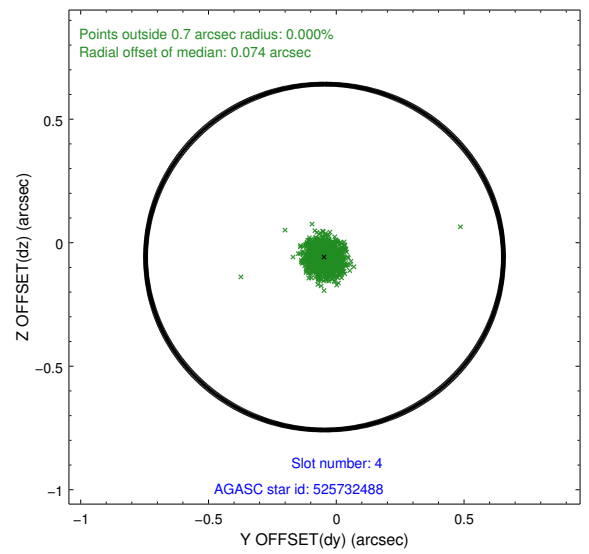
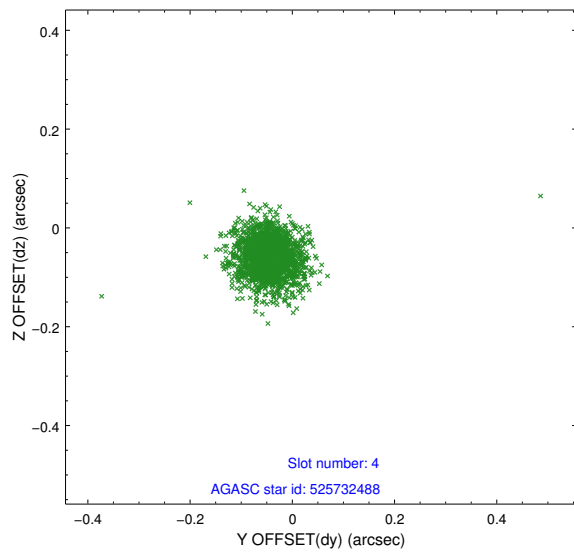
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	842	0.087	-0.007	0.012	0.019	0.000000	0.000000	930.69	-836.33
1	FID	ACIS-I-2	7.15	842	-0.056	-0.060	0.019	0.033	0.000000	0.000000	-762.52	-843.77
2	FID	ACIS-I-5	7.23	842	-0.124	0.138	0.011	0.017	0.000000	0.000000	-1818.66	1060.32
3	GUIDE	525732232	9.11	1681	0.004	-0.011	0.076	0.125	351.669550	58.757012	-1219.41	1319.84
4	GUIDE	525732488	8.43	1682	-0.046	-0.058	0.052	0.089	350.087090	58.516915	1686.98	276.92
5	GUIDE	525735456	6.93	1684	-0.073	0.030	0.050	0.094	350.628183	59.307249	-809.92	-1415.69
6	GUIDE	525735976	8.86	1682	-0.093	0.031	0.062	0.101	350.142956	58.277622	2116.82	1029.57
7	GUIDE	525732528	9.36	1681	0.215	0.008	0.088	0.147	351.607241	59.298932	-2251.65	-339.08

2.4 Star Slots

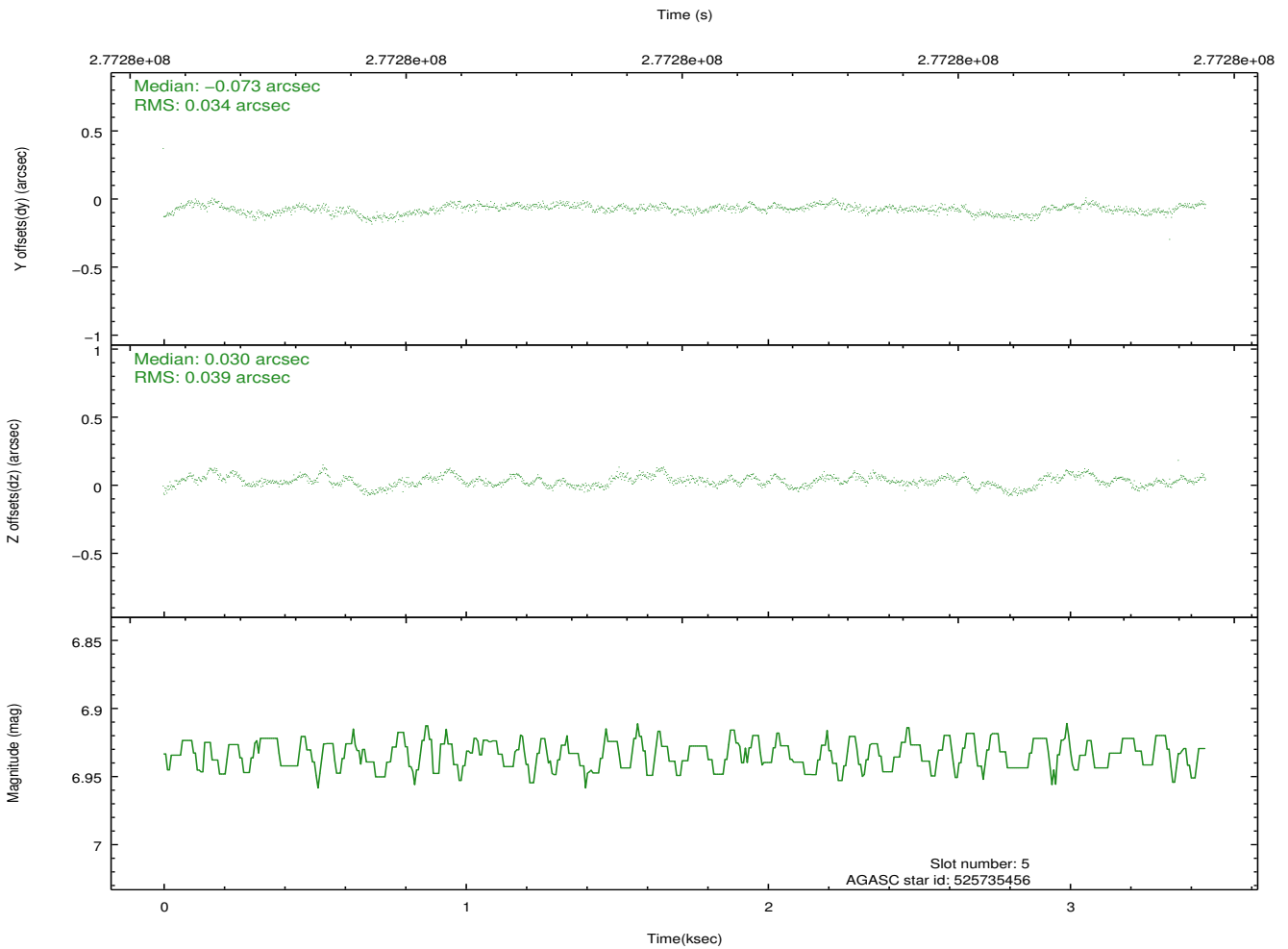
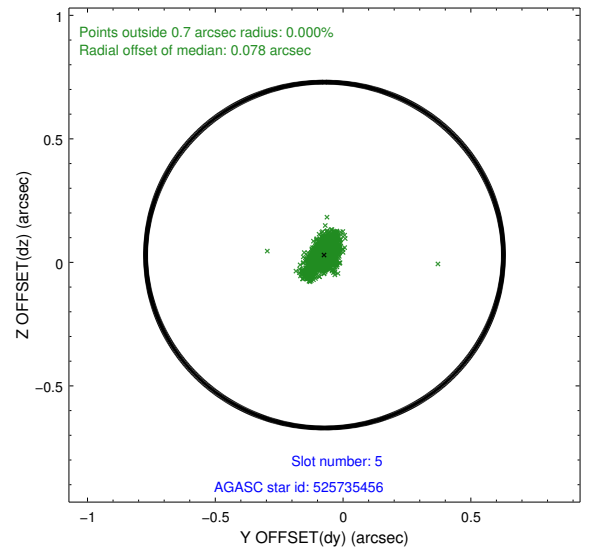
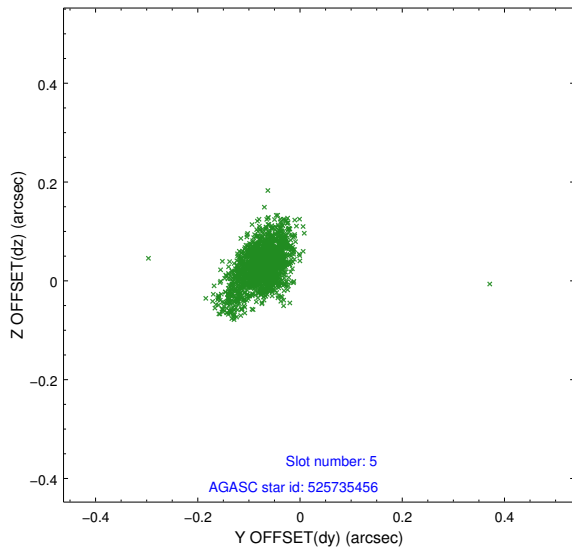
2.4.1 Slot 3



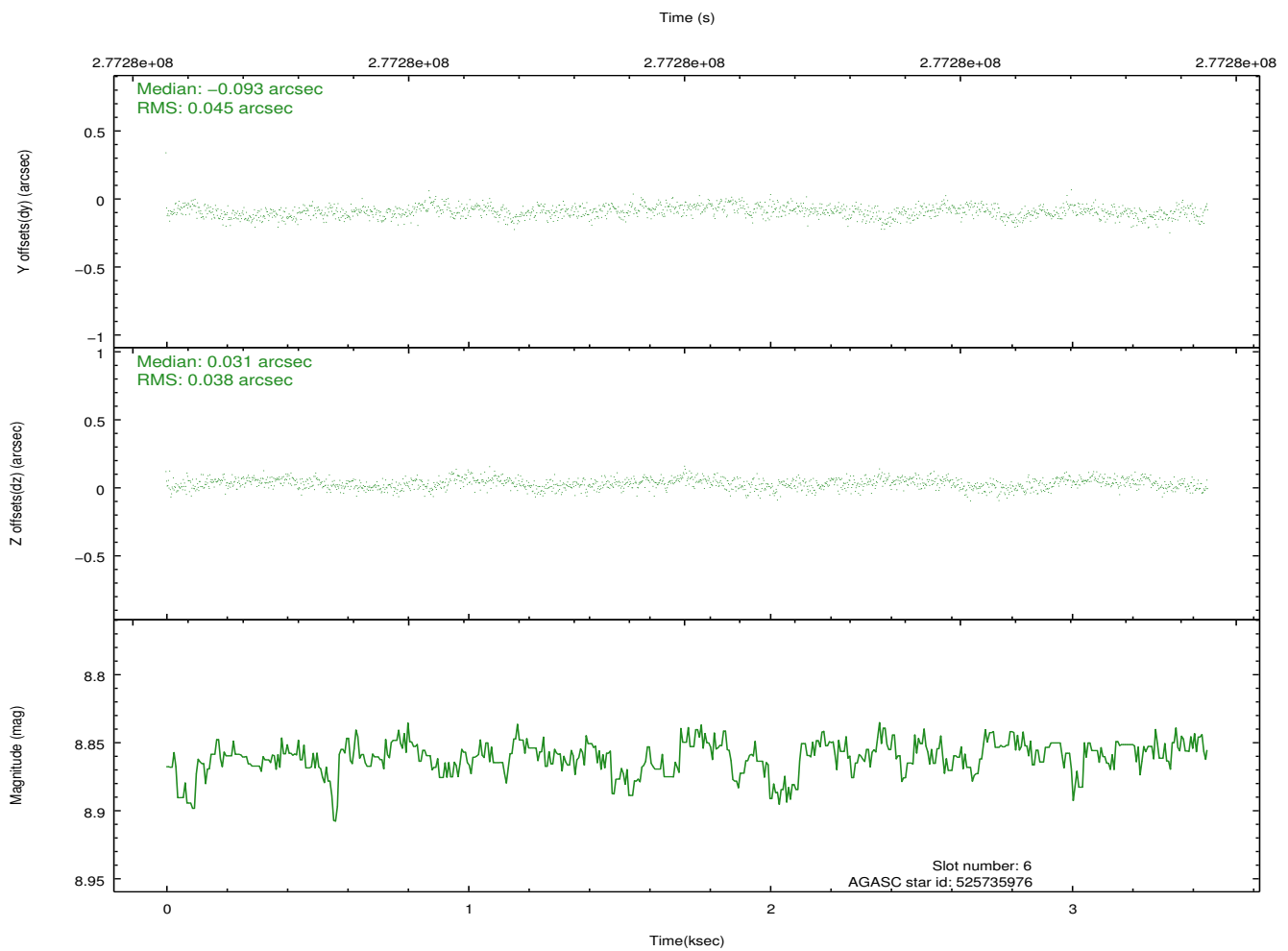
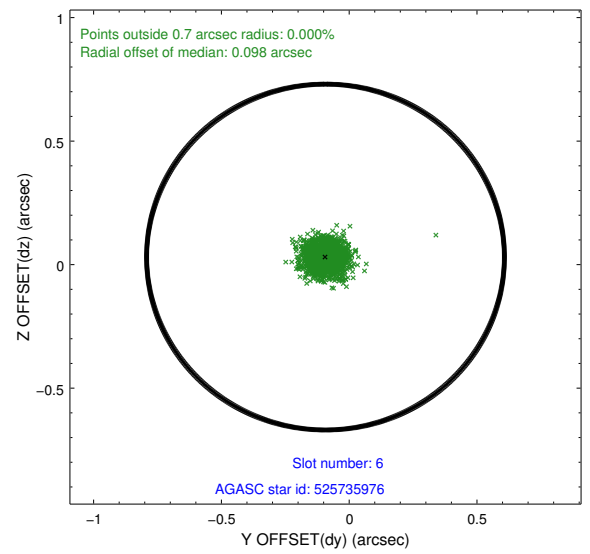
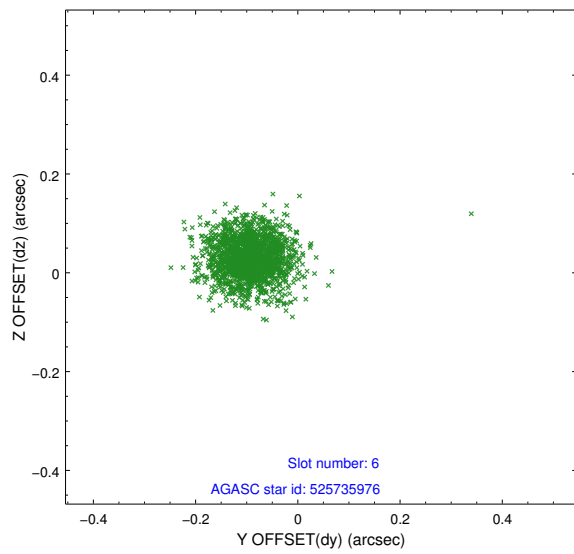
2.4.2 Slot 4



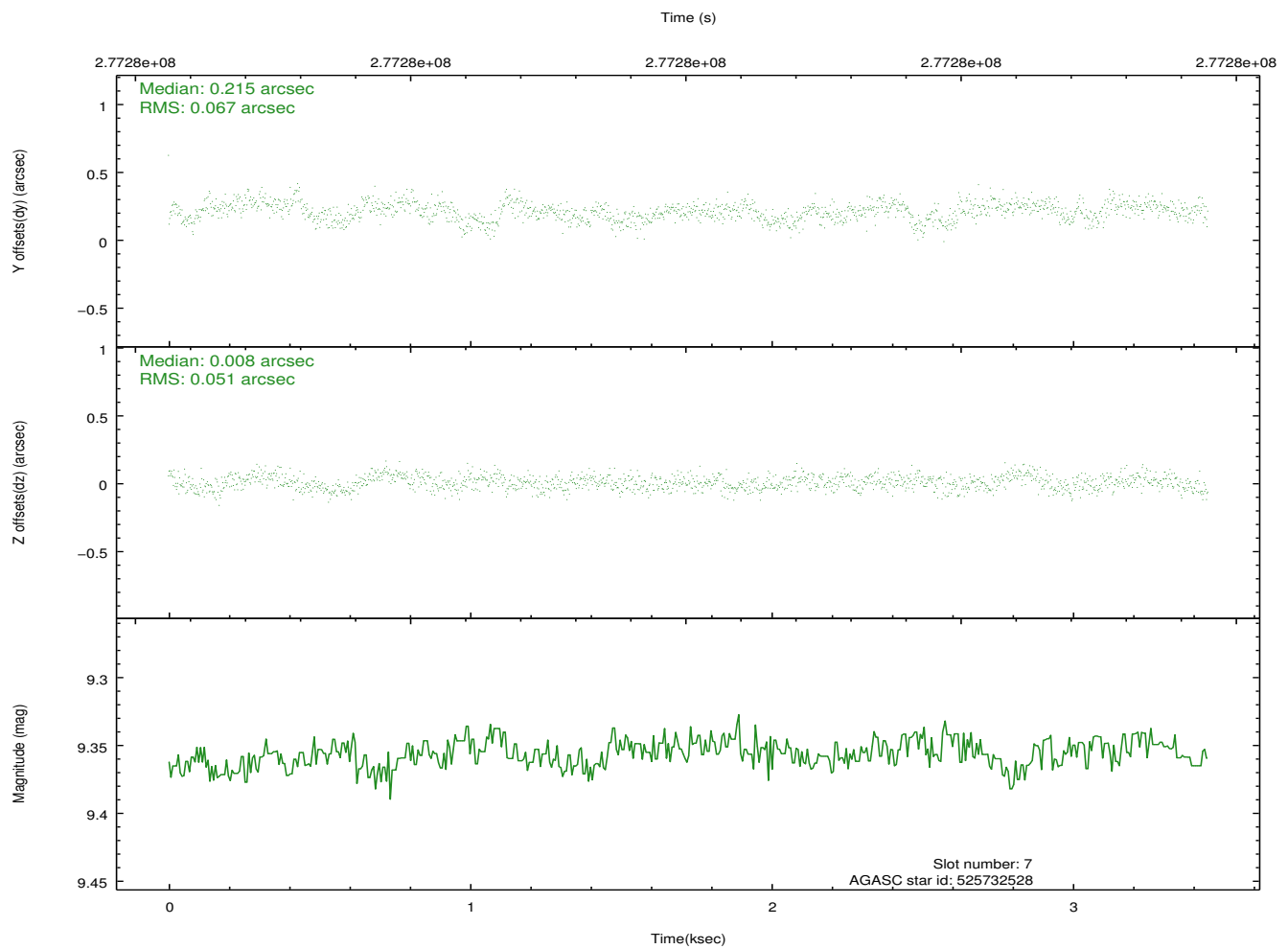
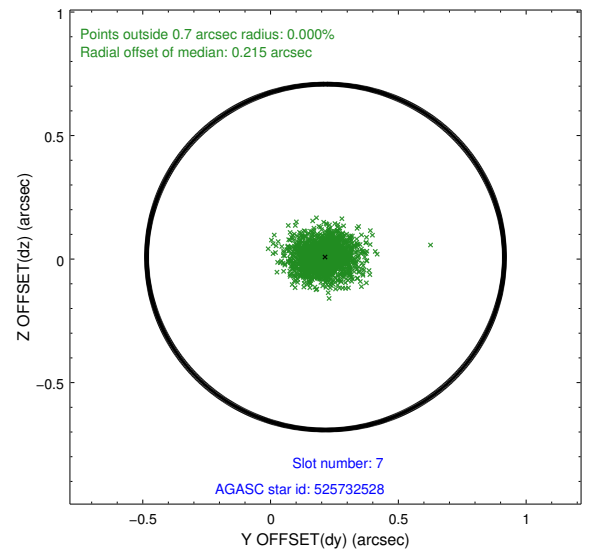
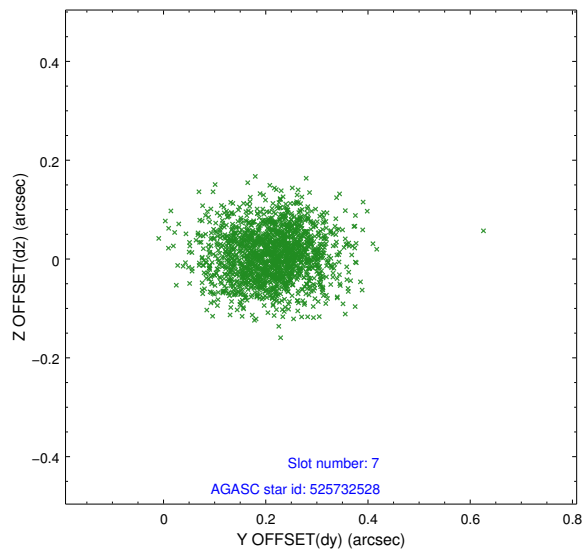
2.4.3 Slot 5



2.4.4 Slot 6

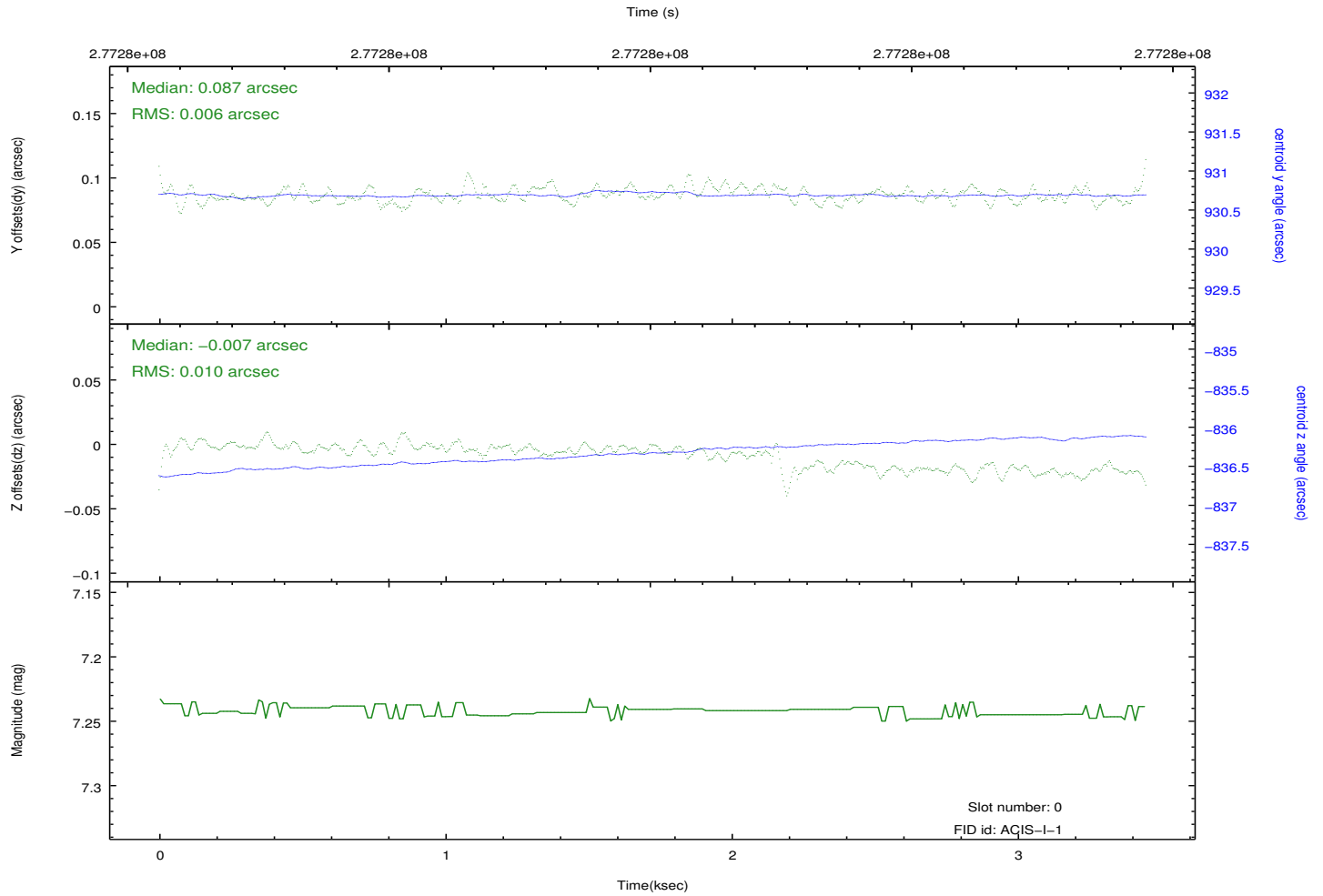
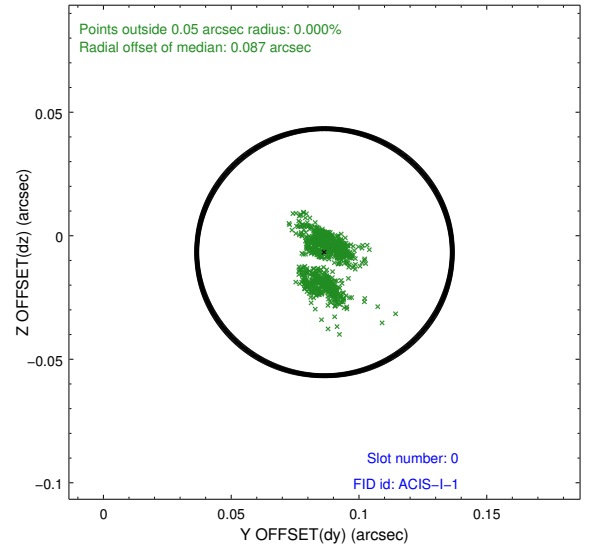
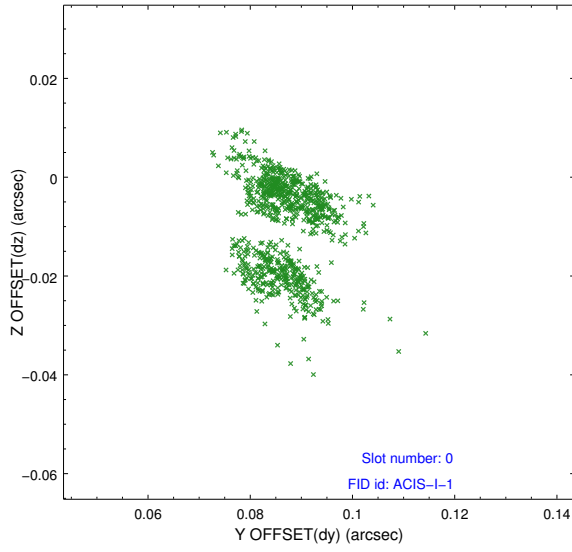


2.4.5 Slot 7

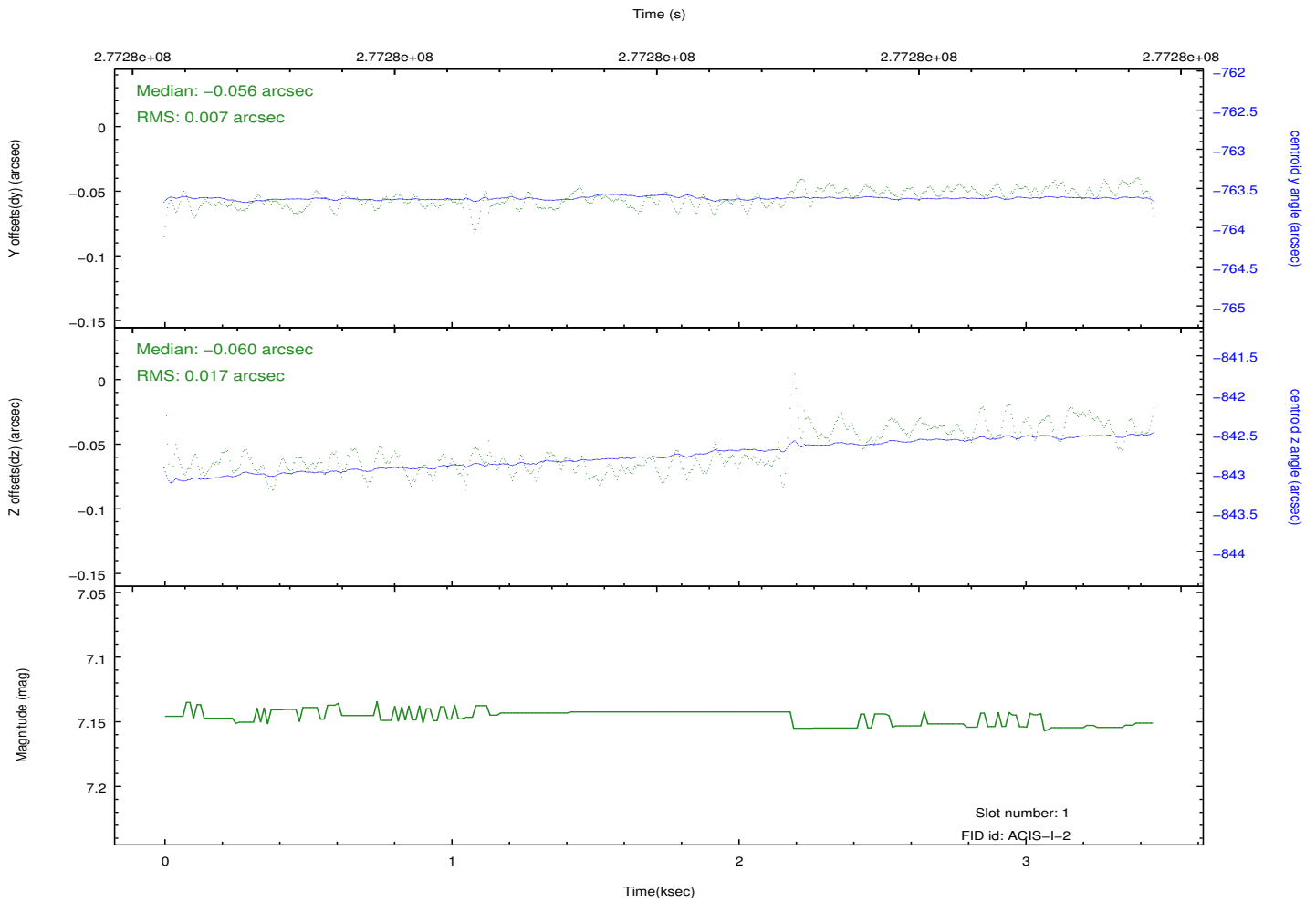
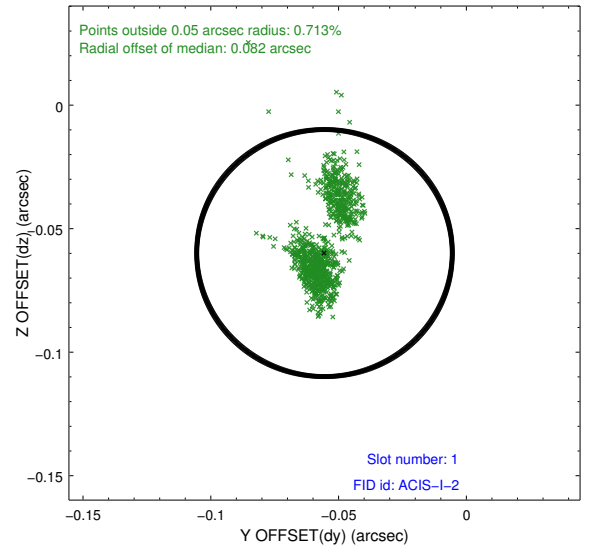
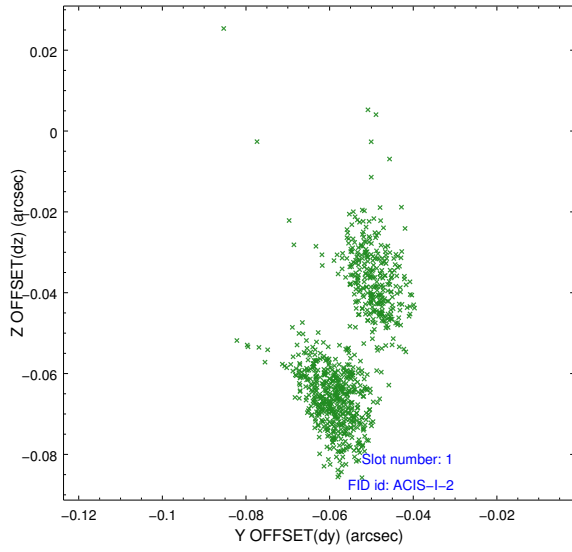


2.5 FID Slots

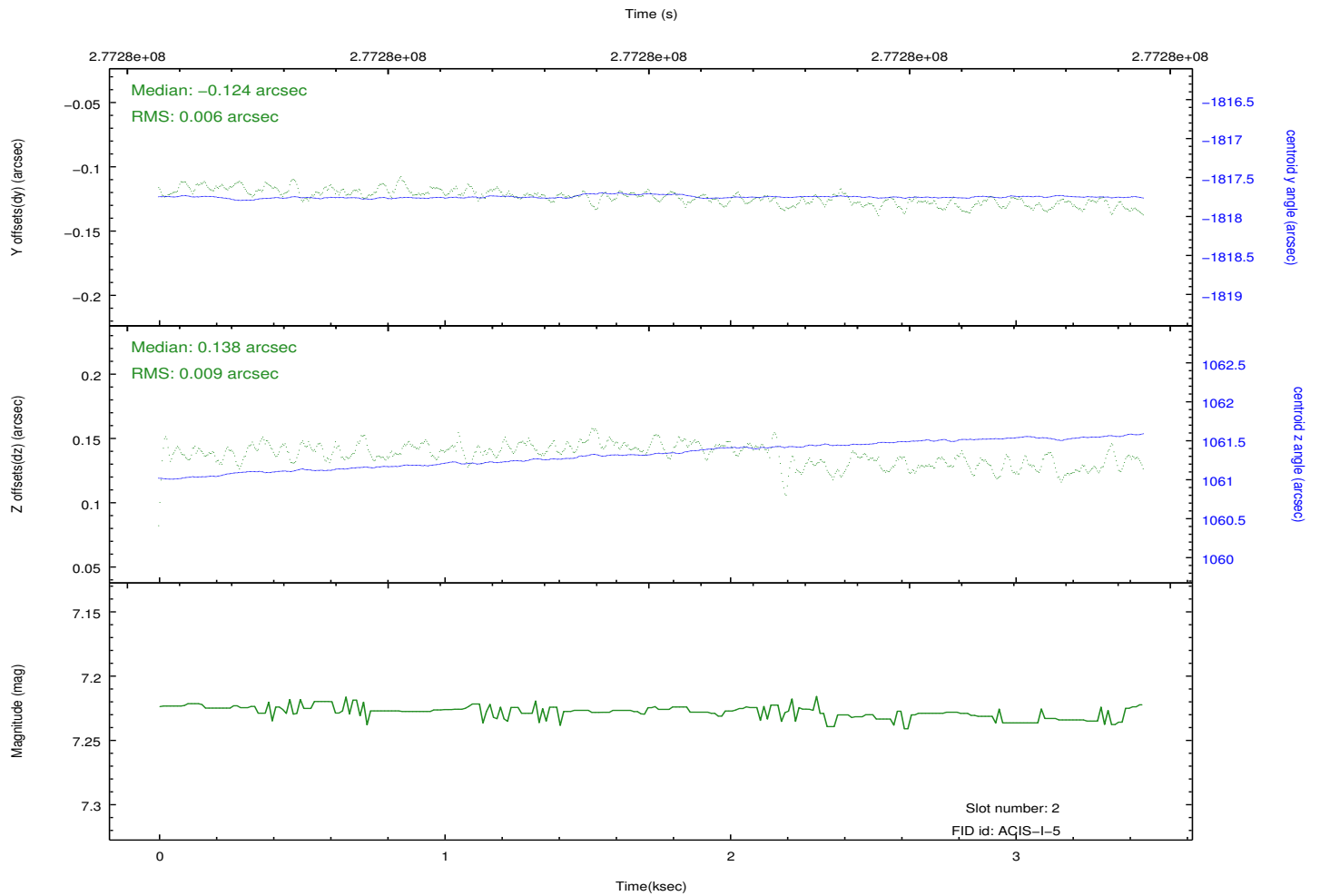
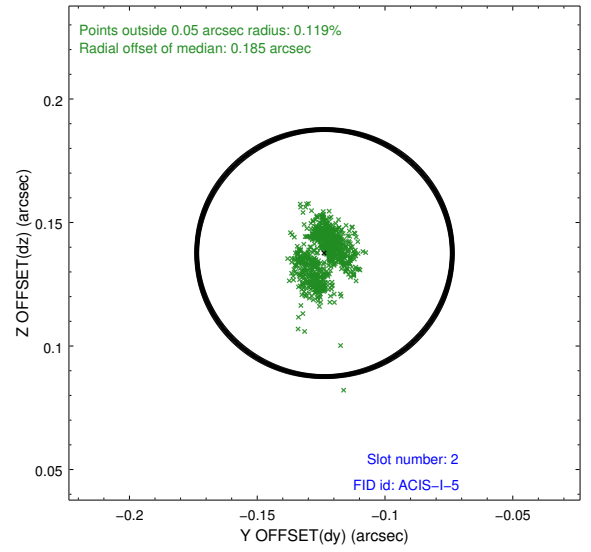
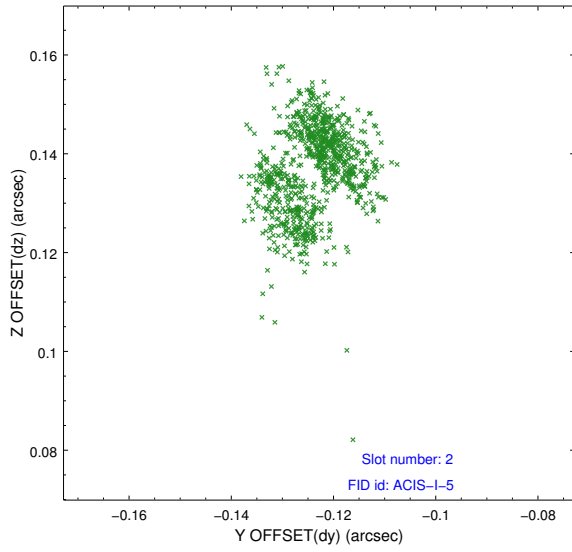
2.5.1 Slot 0



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)	2012.04.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.70133861

A.2 Comments

Window preference met.