

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 223 - L2 Version 4
Chandra X-Ray Center

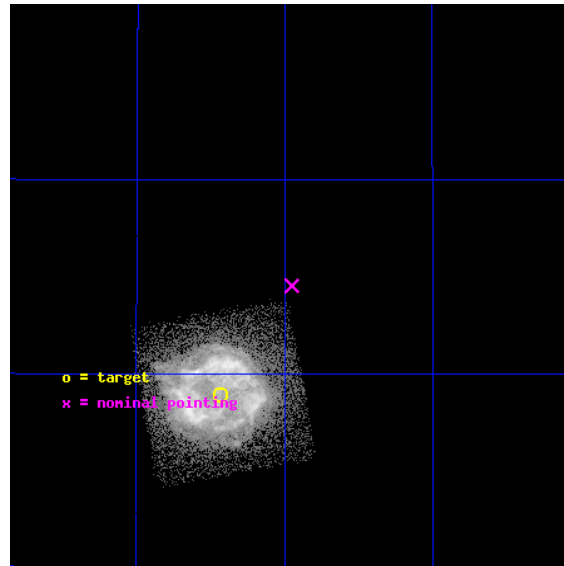
L2 Processing Date : Aug 23 2012

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1 Front

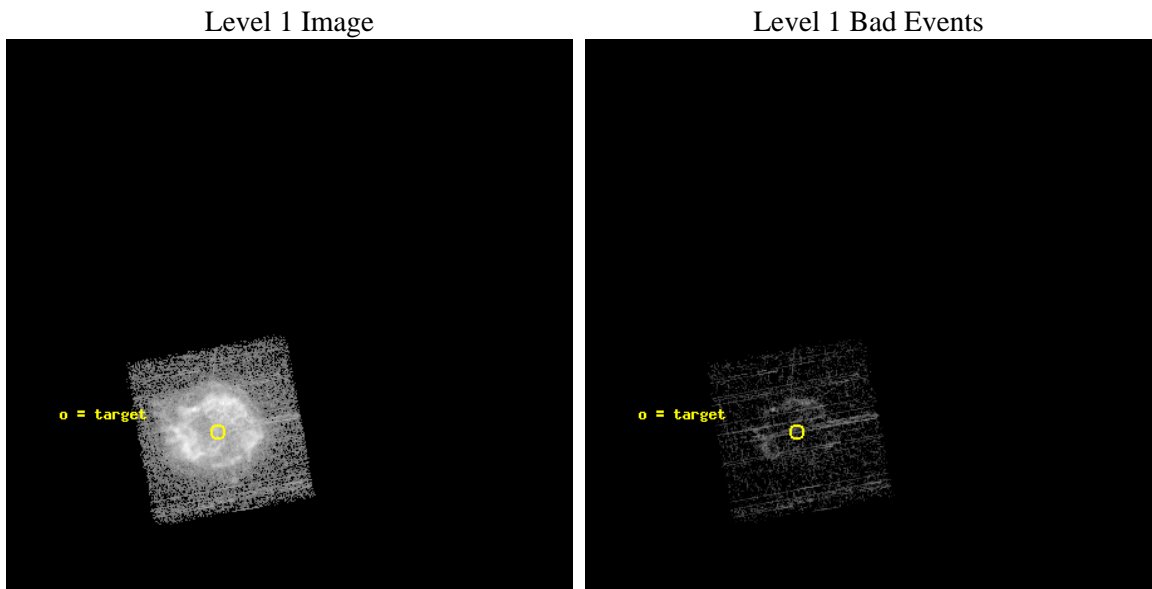
seq_num	590091	Sequence number
obs_id	223	Observation id
title	ACIS CHIP RESPONSE TO CAS A, APR. 99	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	CAS A [Chip I0, T=120, Offsets=5,-5,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	350.73765400269	Nominal RA [deg]
dec_nom	58.909204888837	Nominal Dec [deg]
roll_nom	349.59277178735	Nominal Roll [deg]
revision	4	Processing version of data
ontime	832.23101705313	Sum of GTIs [s]
livetime	821.69280680584	Livetime [s]
ontime0	832.23101705313	Sum of GTIs [s]
ontime1	1039.61135149	Sum of GTIs [s]
ontime2	1039.5703115016	Sum of GTIs [s]
ontime3	1039.5292714983	Sum of GTIs [s]
ontime6	1039.488231495	Sum of GTIs [s]
ontime7	1039.6934314966	Sum of GTIs [s]
l2events	171154	Number of level 2 events



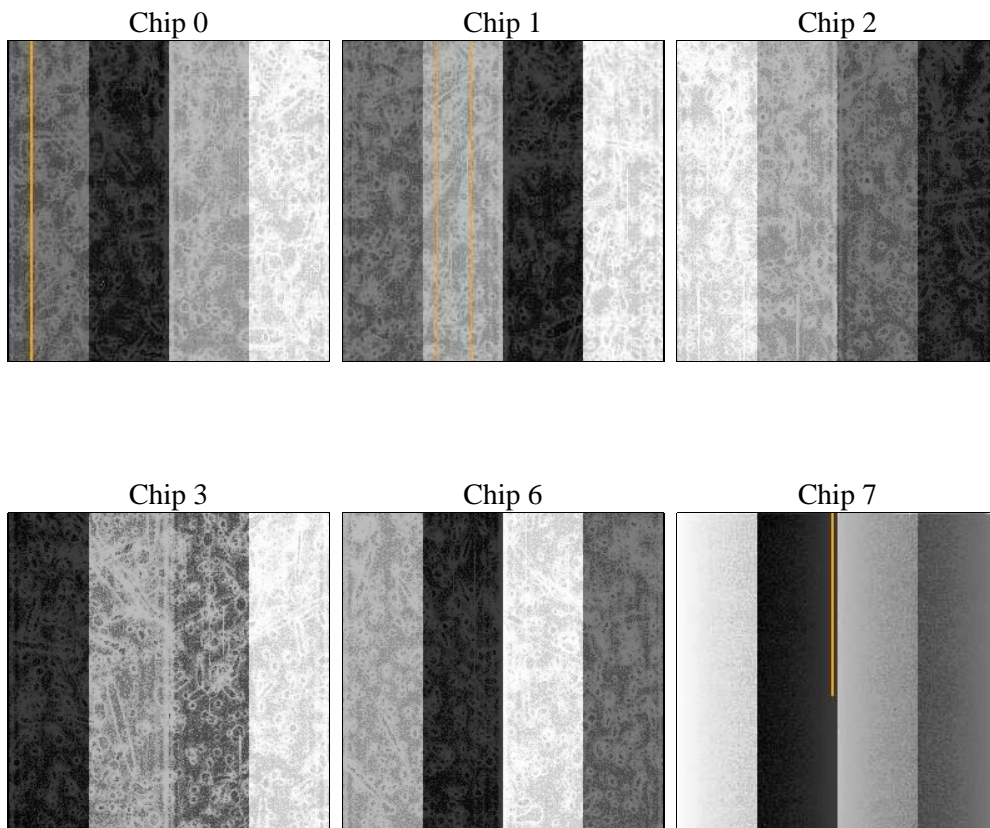
2 OBI

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	8.4.5	Processing system revision	ontime	832.23101705313	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	832.23101705313	Sum of GTIs [s]
date	2012-08-23T13:51:31	Date and time of file creation	ontime1	1039.61135149	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	1039.5703115016	Sum of GTIs [s]
			ontime3	1039.5292714983	Sum of GTIs [s]
			ontime6	1039.488231495	Sum of GTIs [s]
			ontime7	1039.6934314966	Sum of GTIs [s]
			l1events	210734	Number of level 1 events

2.1.4 Events

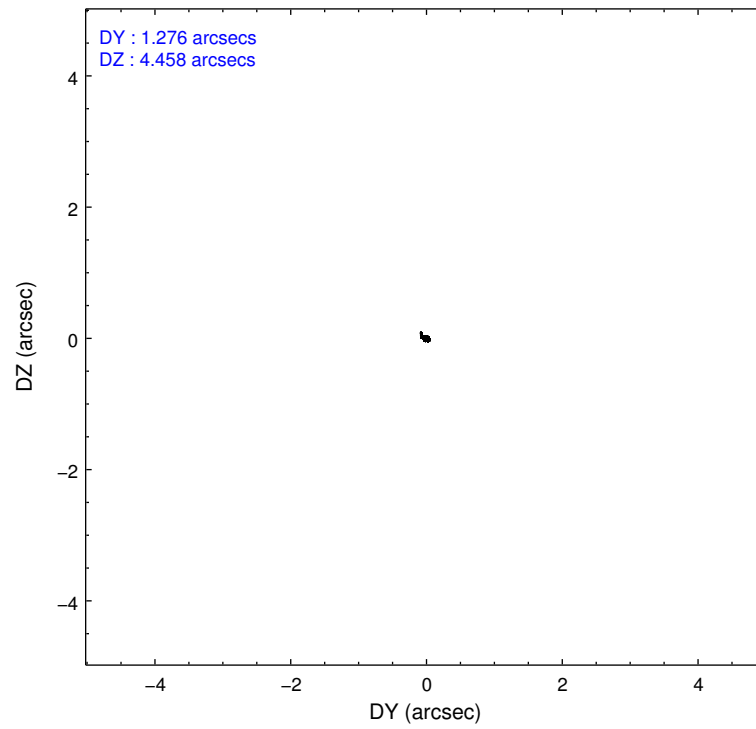
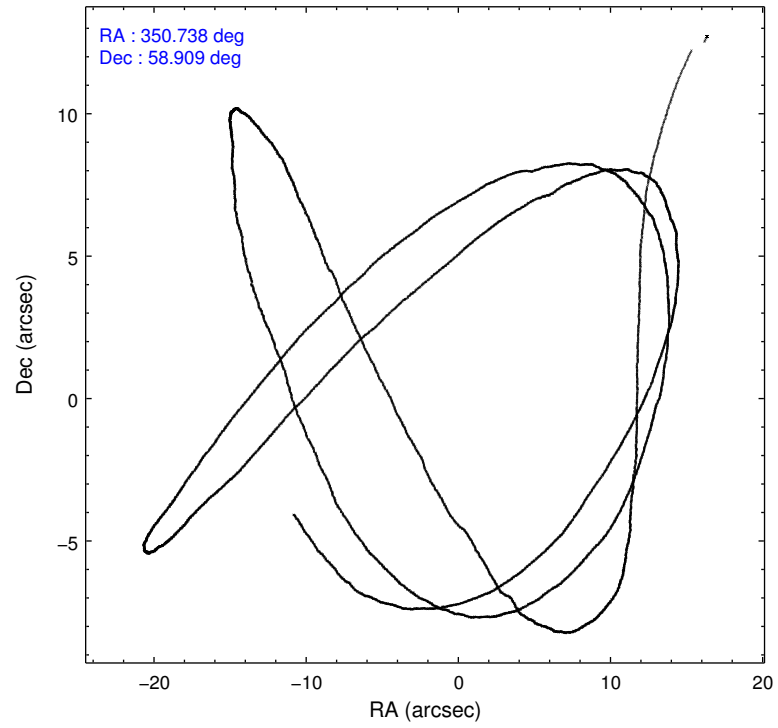
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	210734	0	0	0	0	0
rejected events	32184	0	0	0	0	0
rejected %	15%	0%	0%	0%	0%	0%

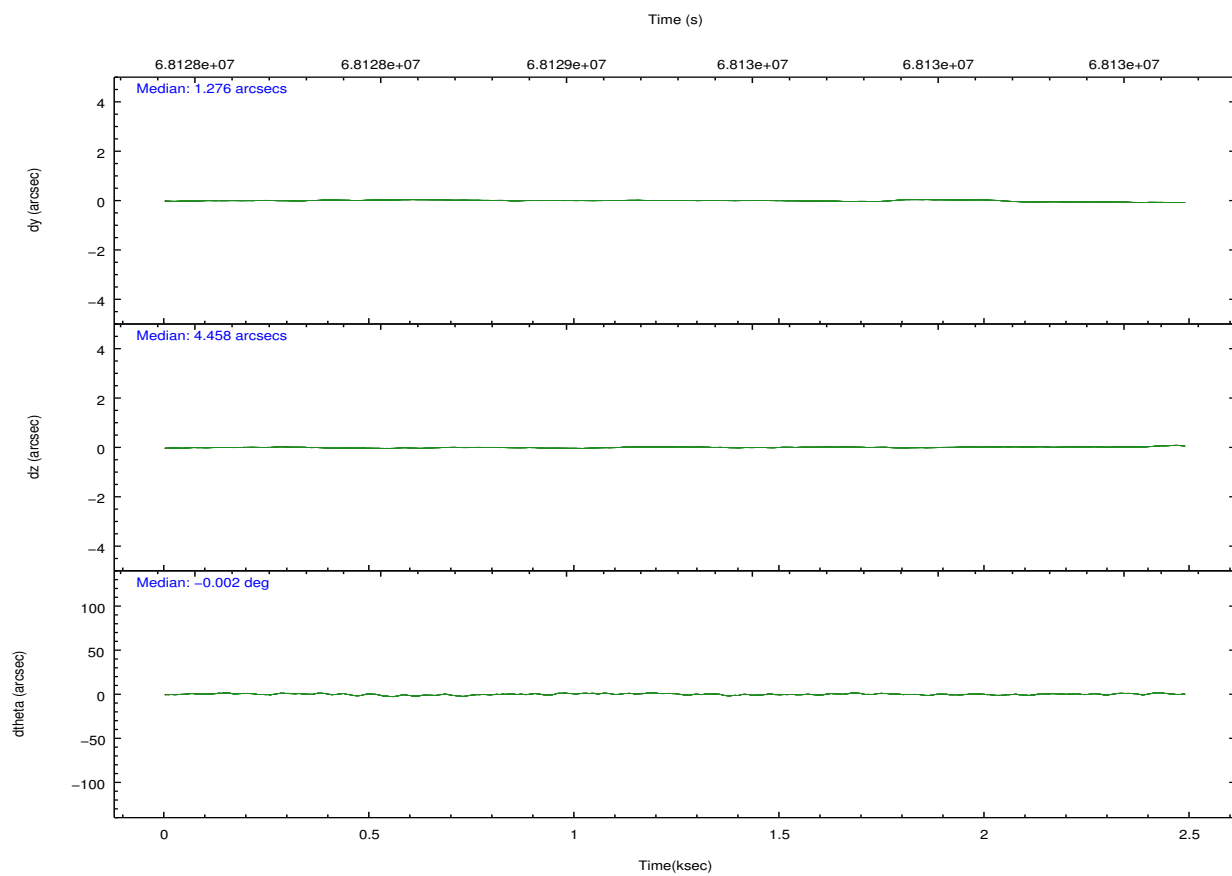
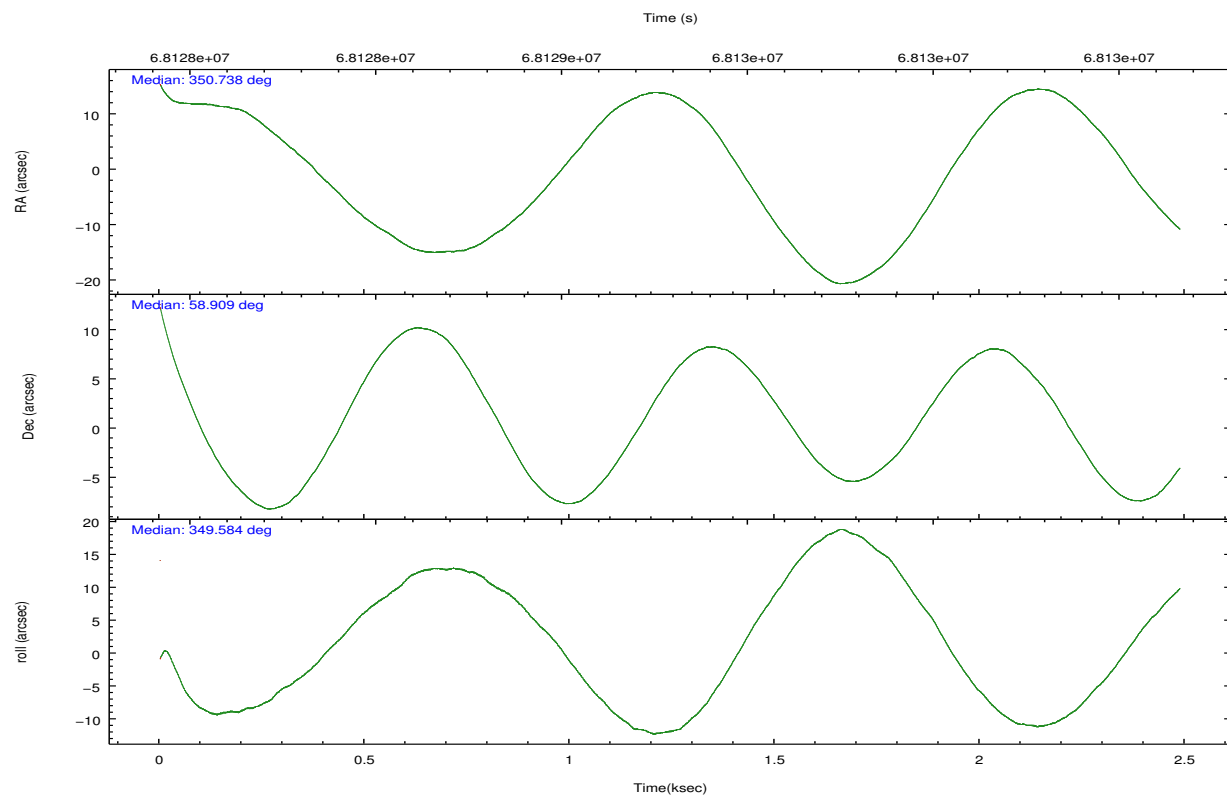
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	144524	0	0	0	0	0
	68%	0%	0%	0%	0%	0%
grade 1 events	2136	0	0	0	0	0
	1%	0%	0%	0%	0%	0%
grade 2 events	18695	0	0	0	0	0
	8%	0%	0%	0%	0%	0%
grade 3 events	5787	0	0	0	0	0
	2%	0%	0%	0%	0%	0%
grade 4 events	6029	0	0	0	0	0
	2%	0%	0%	0%	0%	0%
grade 5 events	1541	0	0	0	0	0
	0%	0%	0%	0%	0%	0%
grade 6 events	4262	0	0	0	0	0
	2%	0%	0%	0%	0%	0%
grade 7 events	27760	0	0	0	0	0
	13%	0%	0%	0%	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	350.686565	350.7376540026933	Subarray requested	NONE	NONE
[deg] Pointing Dec	58.900290	58.90920488883735	Alternating exposures requested	N	N
[deg] Pointing Roll	349.427784	349.5927717873502	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	65750464.184000	65750464.184000			
[s] Window stop time (MET)	68256064.184000	68256064.184000			
[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)	68128539.184000	68127538.510737			
Observation start date	2000-02-28T12:34:35	2000-02-28T12:18:58			
[s] Observation end time (MET)	68130539.184000	68130672.960851			
Observation end date	2000-02-28T13:07:55	2000-02-28T13:11:12			
Read mode	TIMED	TIMED			

2.3 Aspect



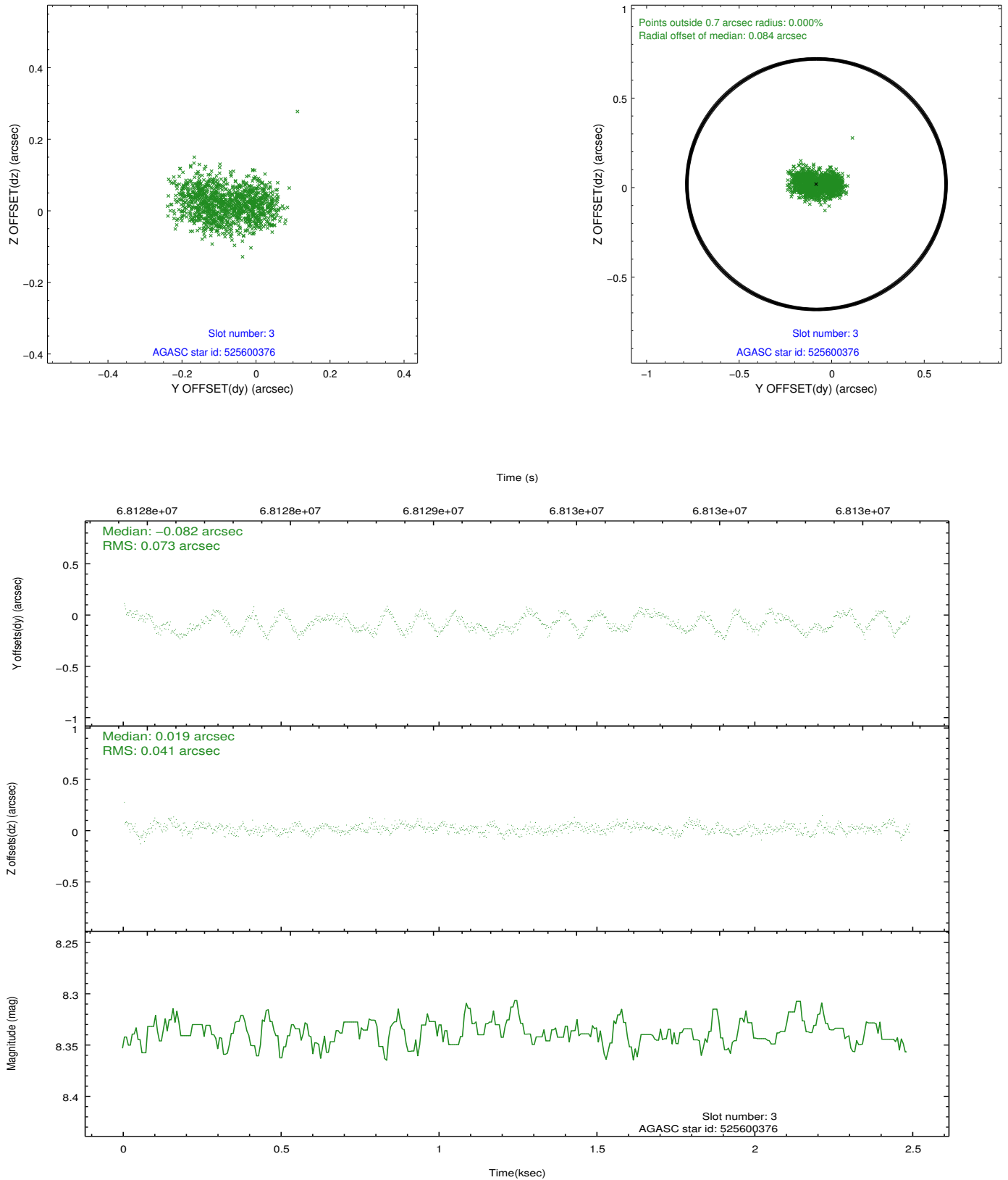


Slot Statistics

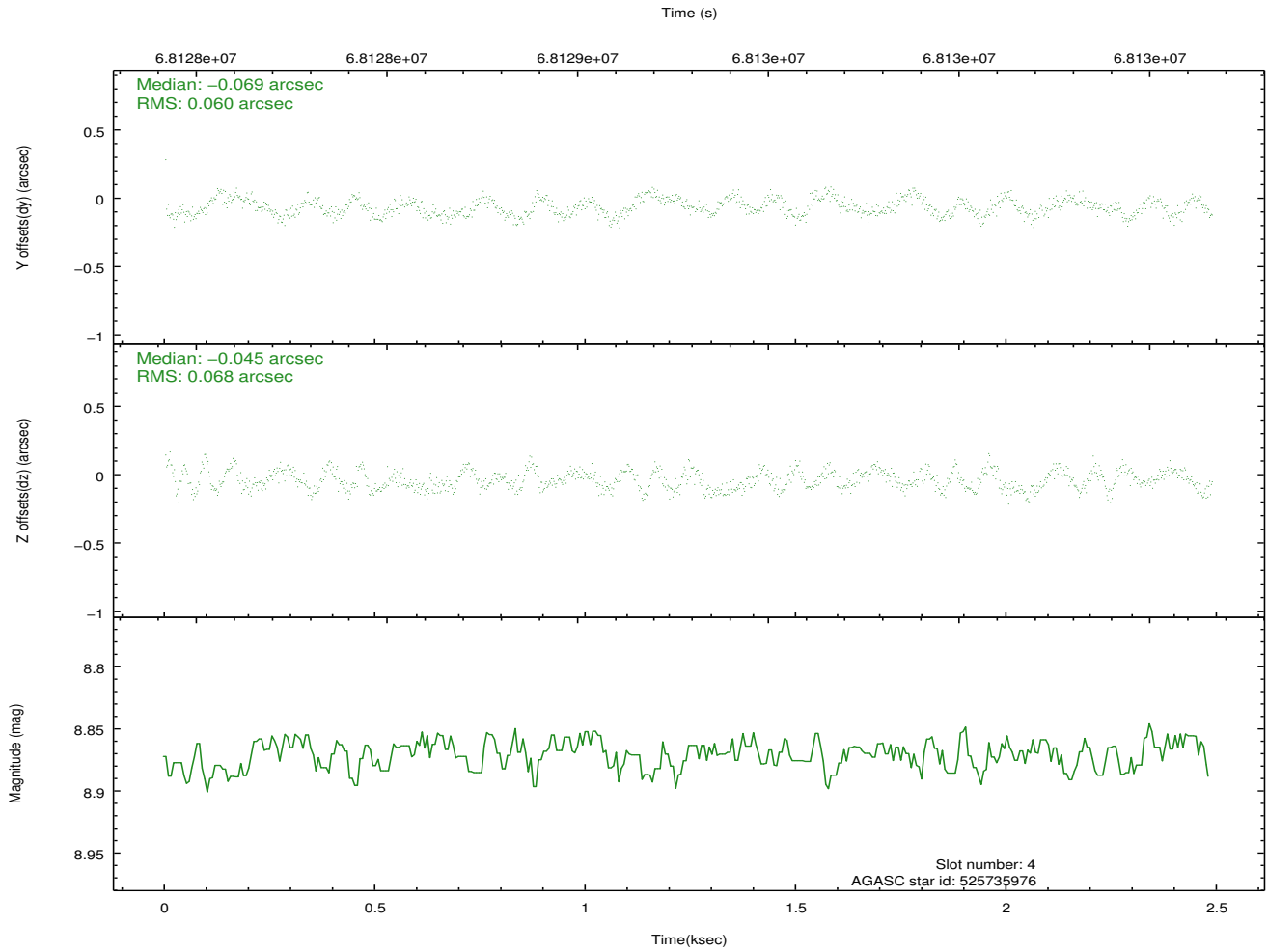
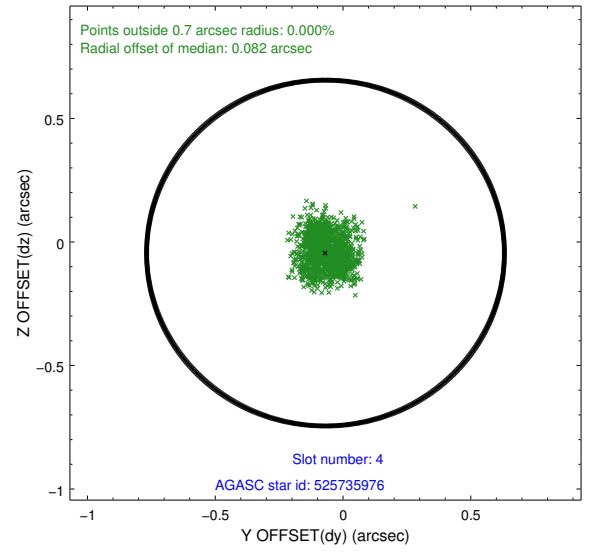
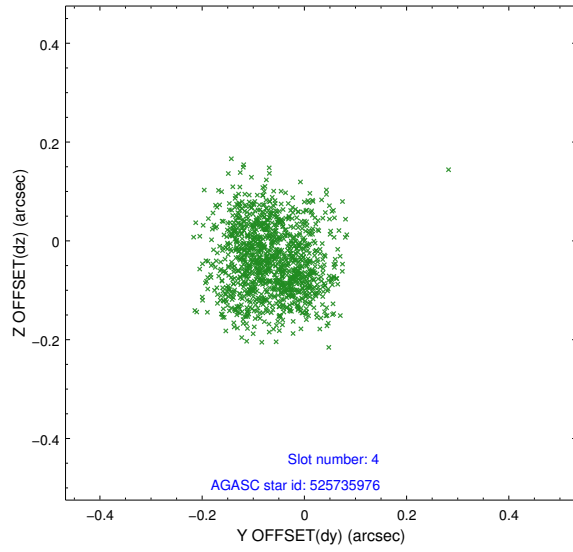
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	607	-0.038	-0.034	0.010	0.015	0.000000	0.000000	-755.64	-834.18
1	FID	ACIS-I-4	7.19	607	-0.012	0.039	0.006	0.010	0.000000	0.000000	2157.27	1070.77
2	FID	ACIS-I-5	7.23	607	-0.051	0.064	0.010	0.014	0.000000	0.000000	-1806.12	1071.60
3	GUIDE	525600376	8.34	1214	-0.082	0.019	0.092	0.138	349.956653	59.633357	-1793.81	2357.63
4	GUIDE	525735976	8.87	1214	-0.069	-0.045	0.099	0.150	350.142956	58.277622	-604.22	-2386.29
5	GUIDE	525731480	9.51	1214	0.061	-0.032	0.097	0.150	351.647209	58.687294	1902.73	-412.94
6	GUIDE	525734296	9.50	1214	0.113	-0.035	0.092	0.149	351.276372	58.418153	1410.64	-1497.45
7	GUIDE	525601208	9.21	1213	-0.024	0.092	0.095	0.146	349.910779	59.483724	-1782.07	1811.41

2.4 Star Slots

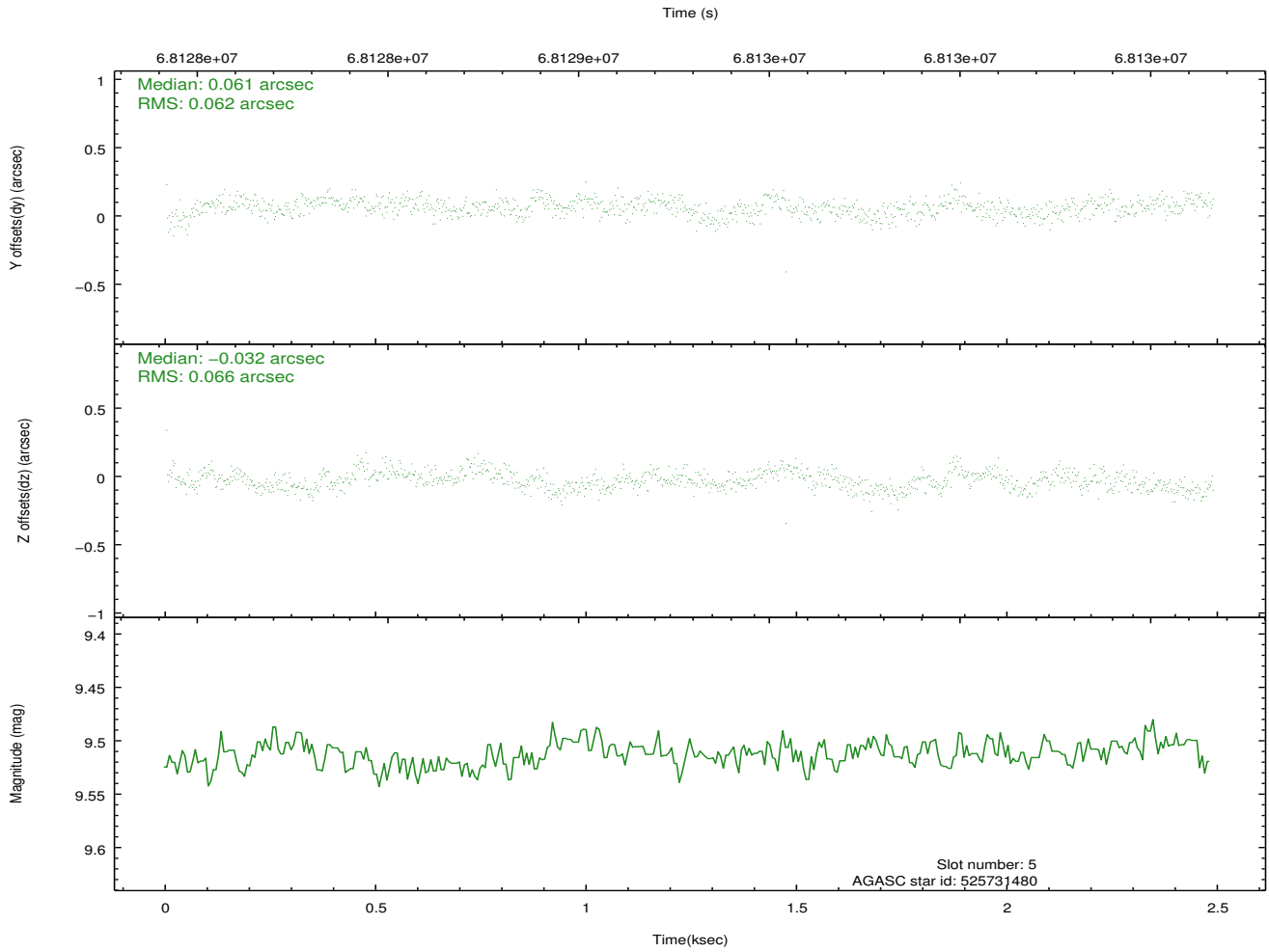
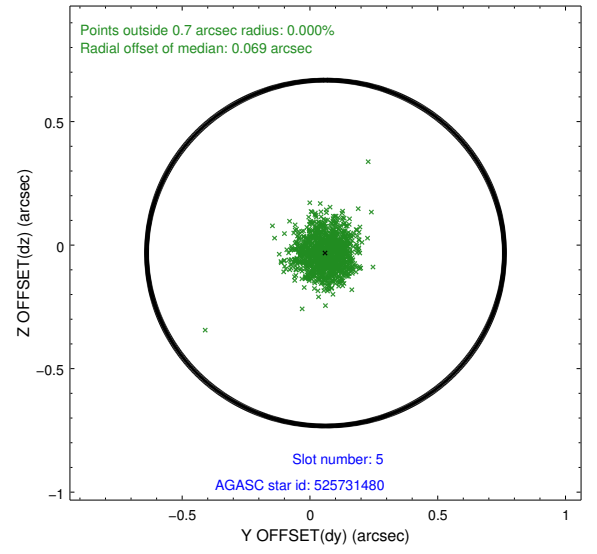
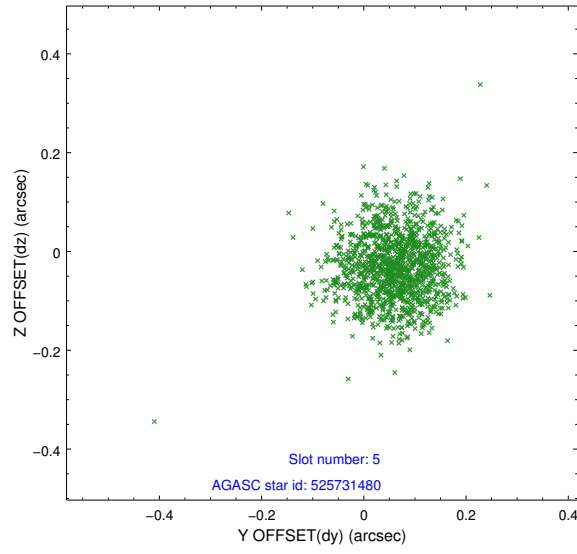
2.4.1 Slot 3



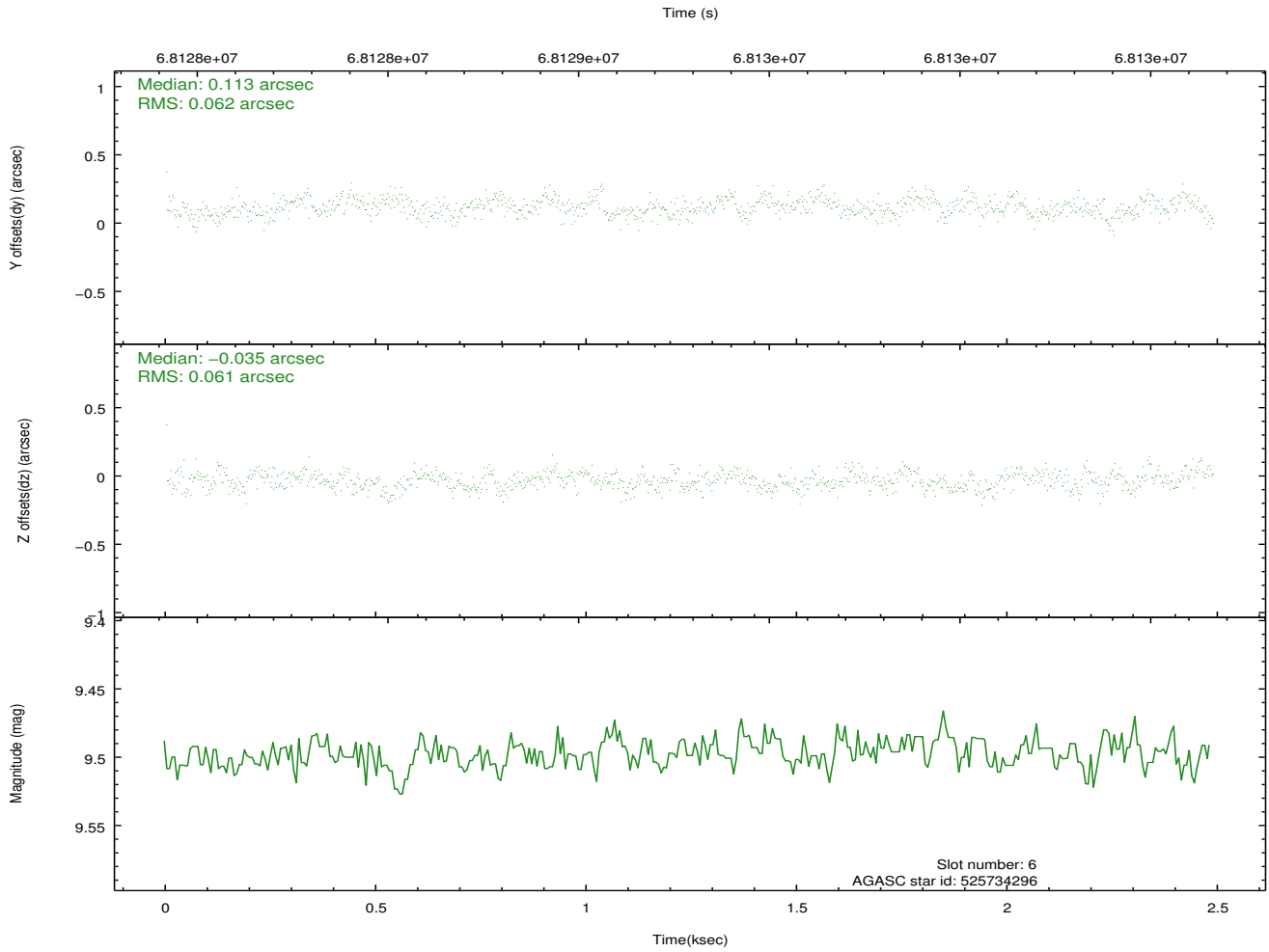
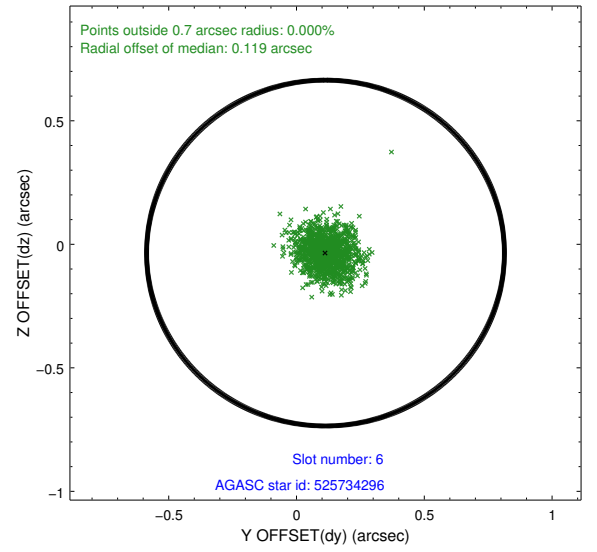
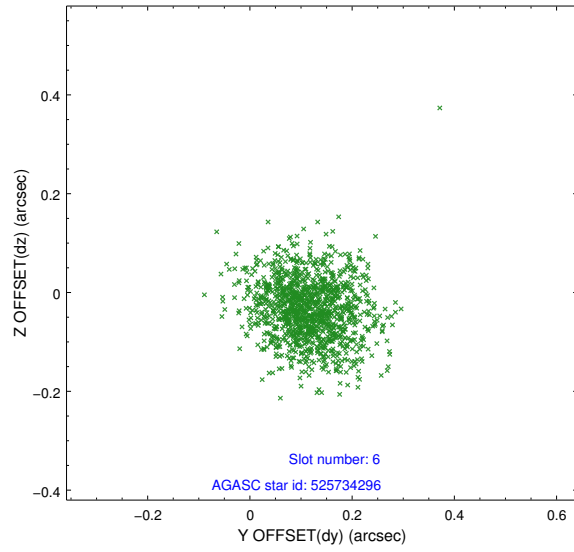
2.4.2 Slot 4



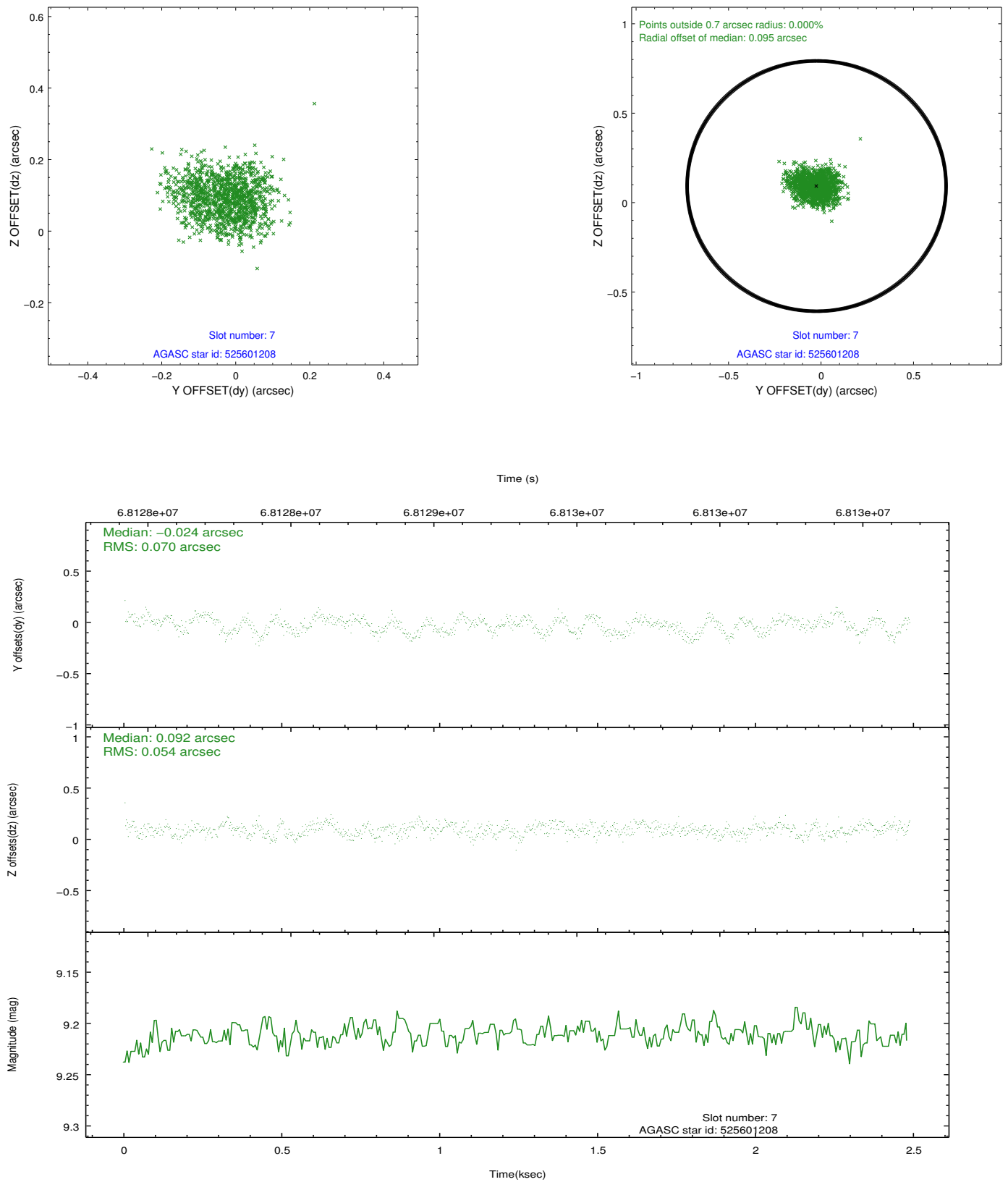
2.4.3 Slot 5



2.4.4 Slot 6

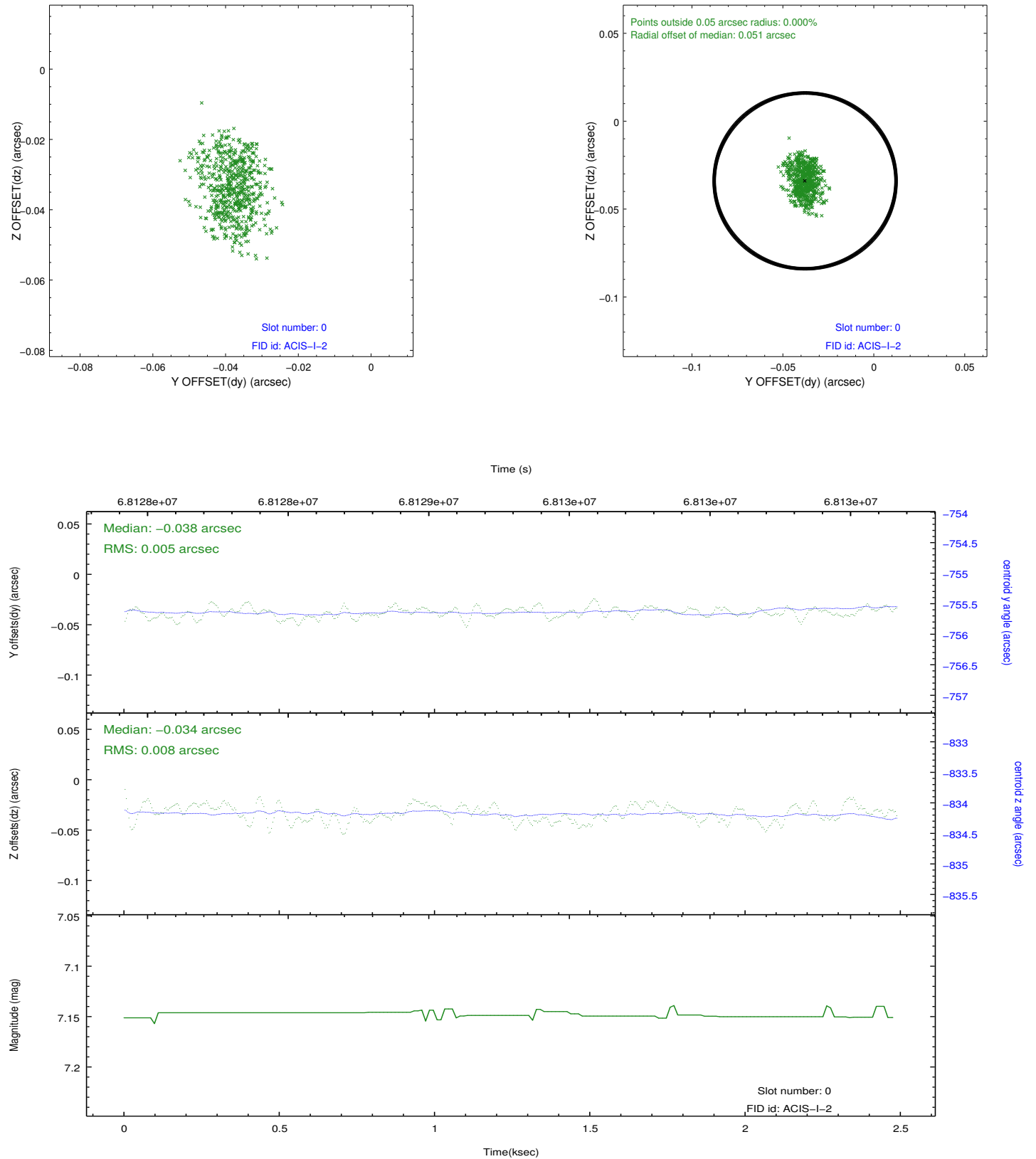


2.4.5 Slot 7

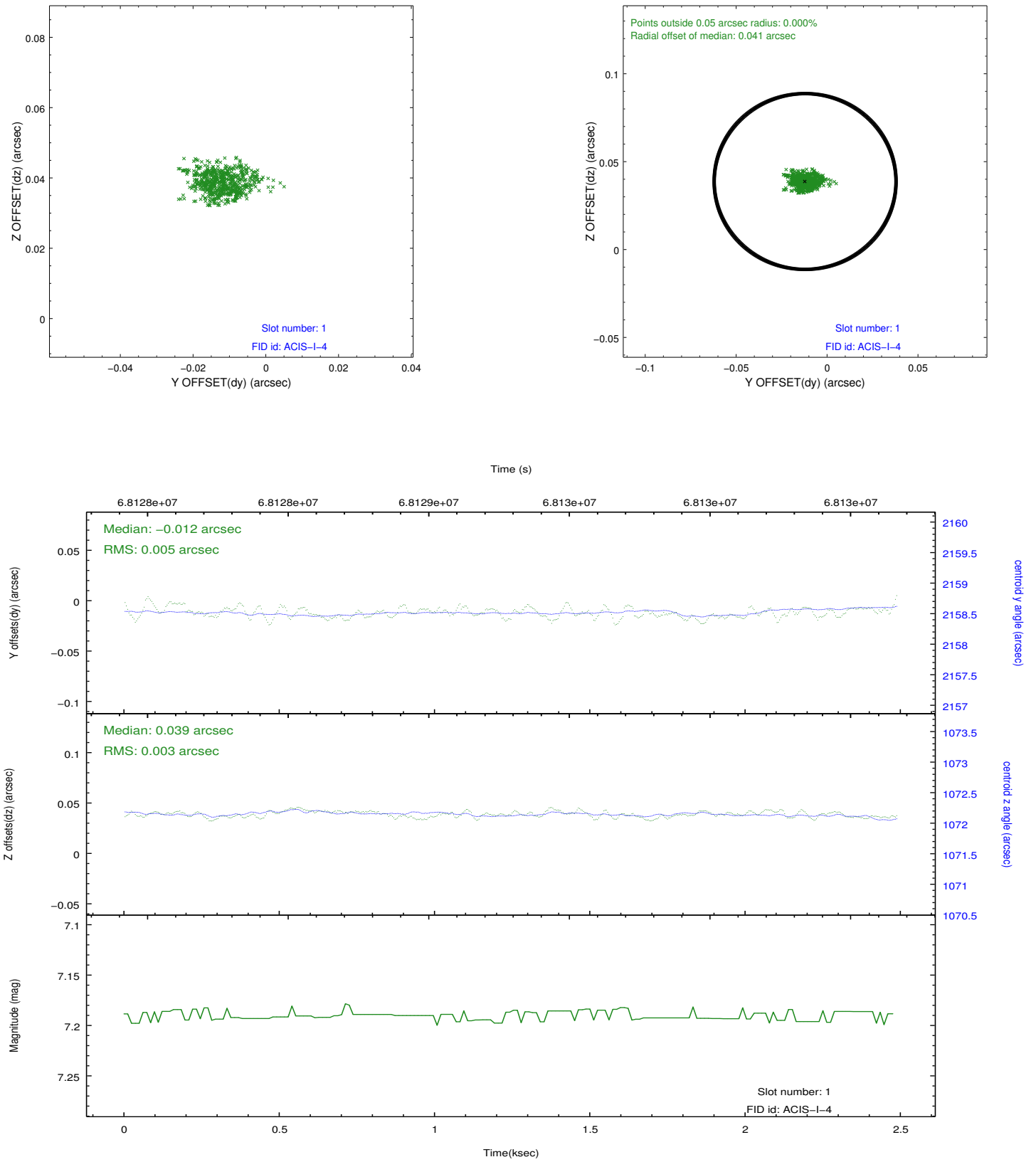


2.5 FID Slots

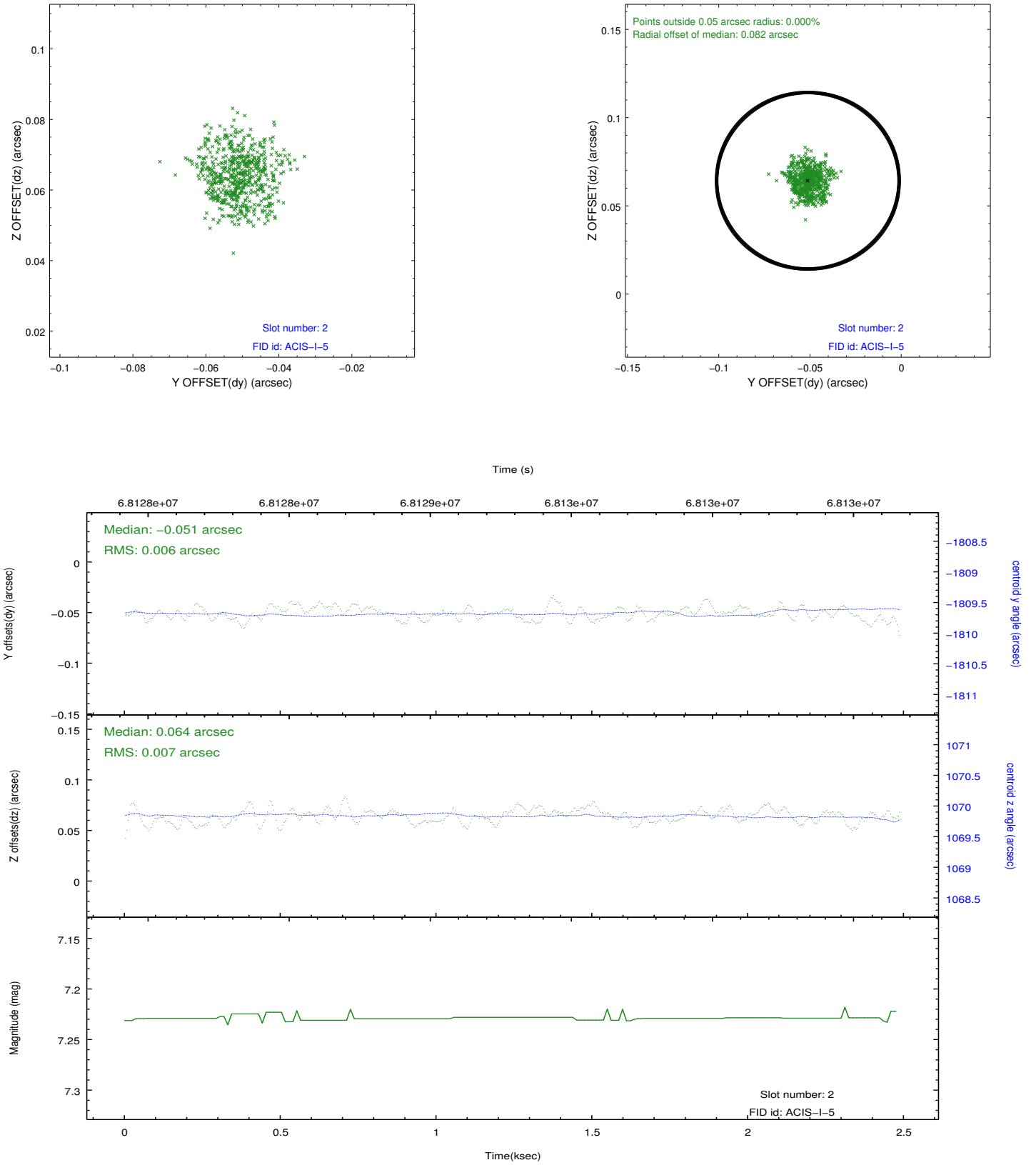
2.5.1 Slot 0



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)	2012.08.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.835

A.2 Comments

Window constraint met.