

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 225 - L2 Version 4
Chandra X-Ray Center

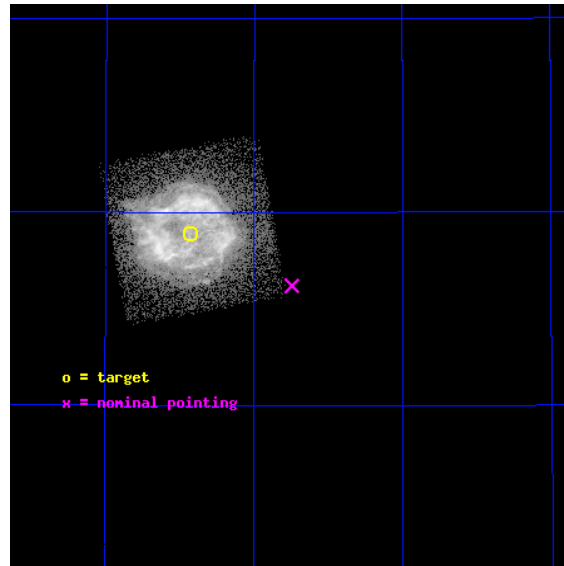
L2 Processing Date : Aug 23 2012

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1 Front

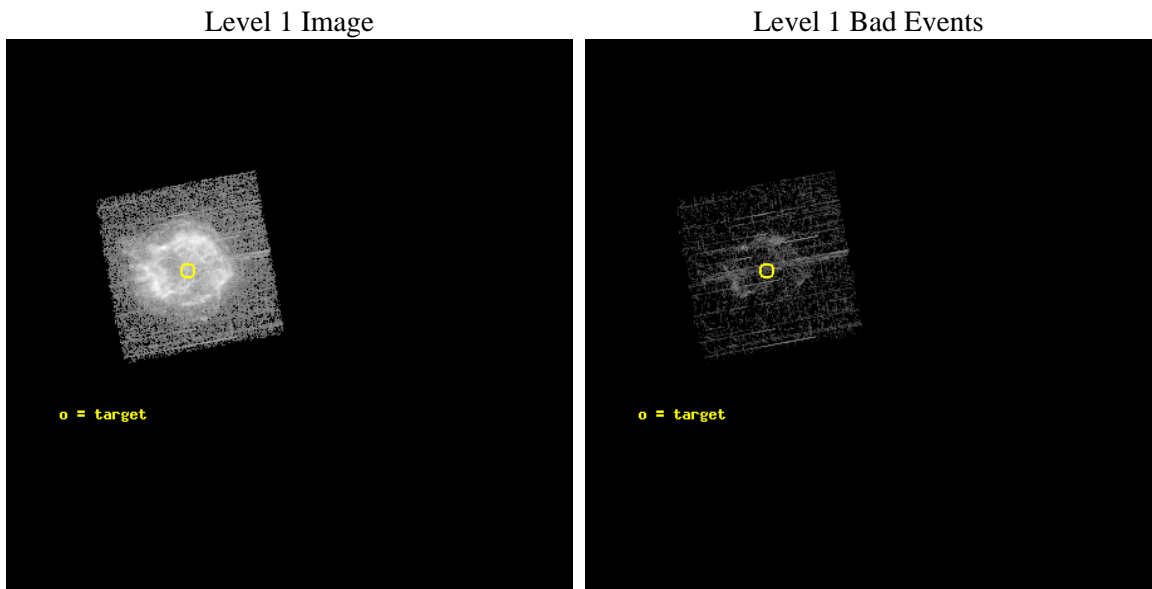
seq_num	590093	Sequence number
obs_id	225	Observation id
title	ACIS CHIP RESPONSE TO CAS A, APR. 99	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	CAS A [Chip I2, T=120, Offsets=5,3,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	350.68649658458	Nominal RA [deg]
dec_nom	58.769990688671	Nominal Dec [deg]
roll_nom	349.69894385405	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1018.6838265359	Sum of GTIs [s]
livetime	1005.7846385466	Livetime [s]
ontime0	1346.1025899351	Sum of GTIs [s]
ontime1	1346.0615499318	Sum of GTIs [s]
ontime2	1018.6838265359	Sum of GTIs [s]
ontime3	1345.9794699401	Sum of GTIs [s]
ontime6	1345.9384299368	Sum of GTIs [s]
ontime7	1346.1436299384	Sum of GTIs [s]
l2events	206612	Number of level 2 events



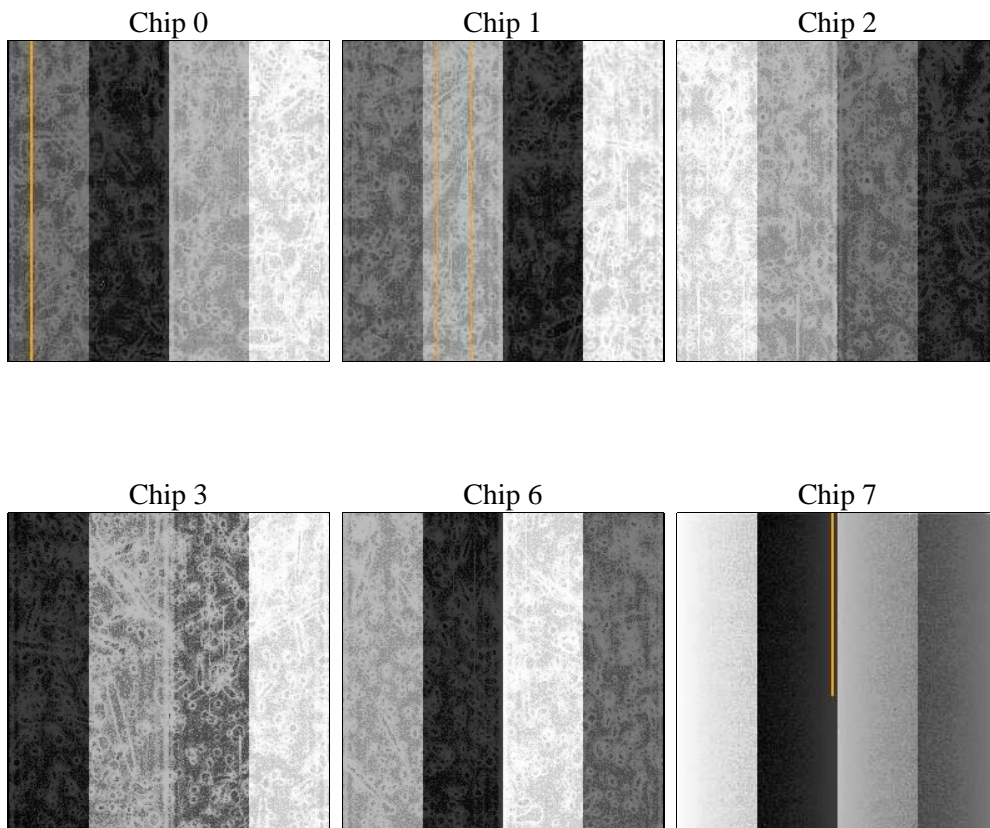
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1018.6838265359	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime0	1346.1025899351	Sum of GTIs [s]
date	2012-08-23T19:07:26	Date and time of file creation	ontime1	1346.0615499318	Sum of GTIs [s]
revision	4	Processing version of data	ontime2	1018.6838265359	Sum of GTIs [s]
			ontime3	1345.9794699401	Sum of GTIs [s]
			ontime6	1345.9384299368	Sum of GTIs [s]
			ontime7	1346.1436299384	Sum of GTIs [s]
			l1events	267447	Number of level 1 events

2.1.4 Events

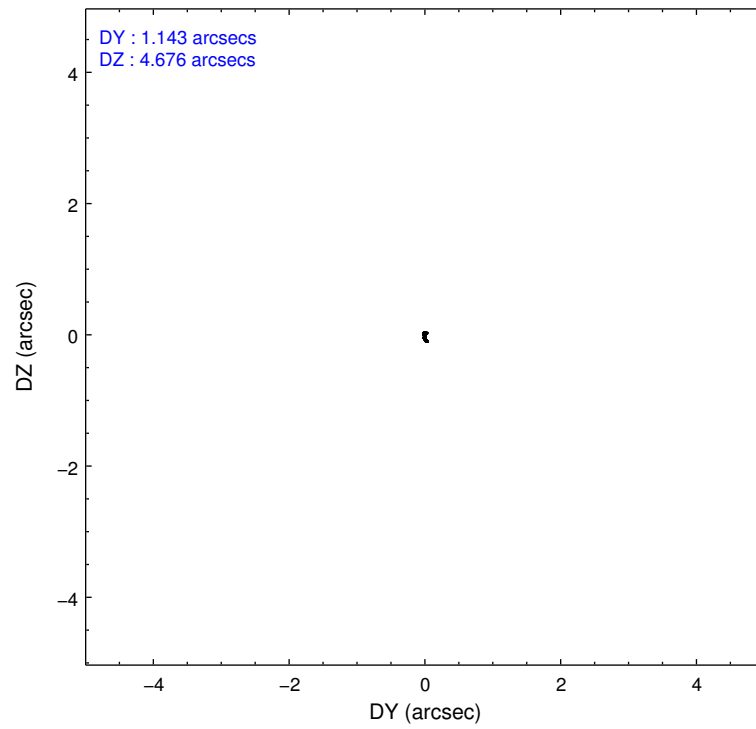
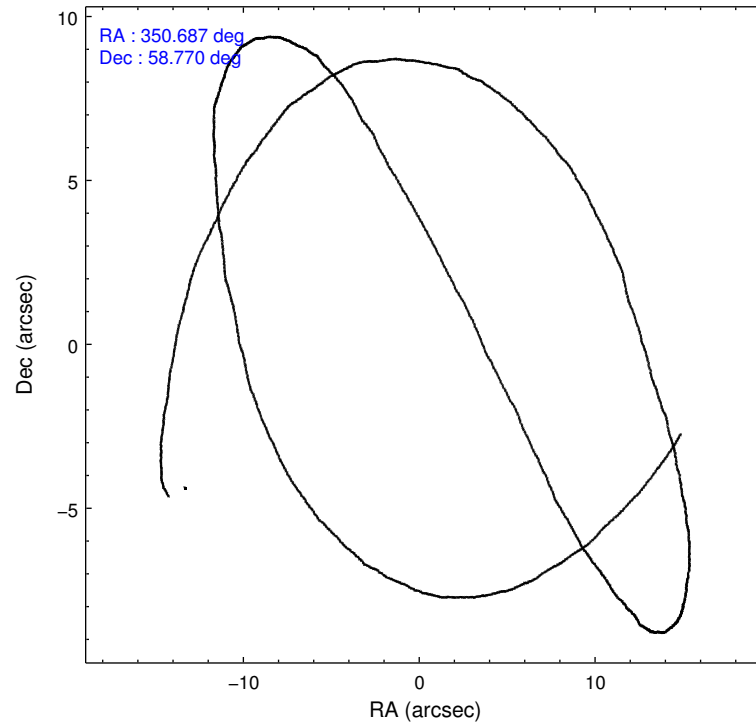
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	0	0	267447	0	0	0
rejected events	0	0	41007	0	0	0
rejected %	0%	0%	15%	0%	0%	0%

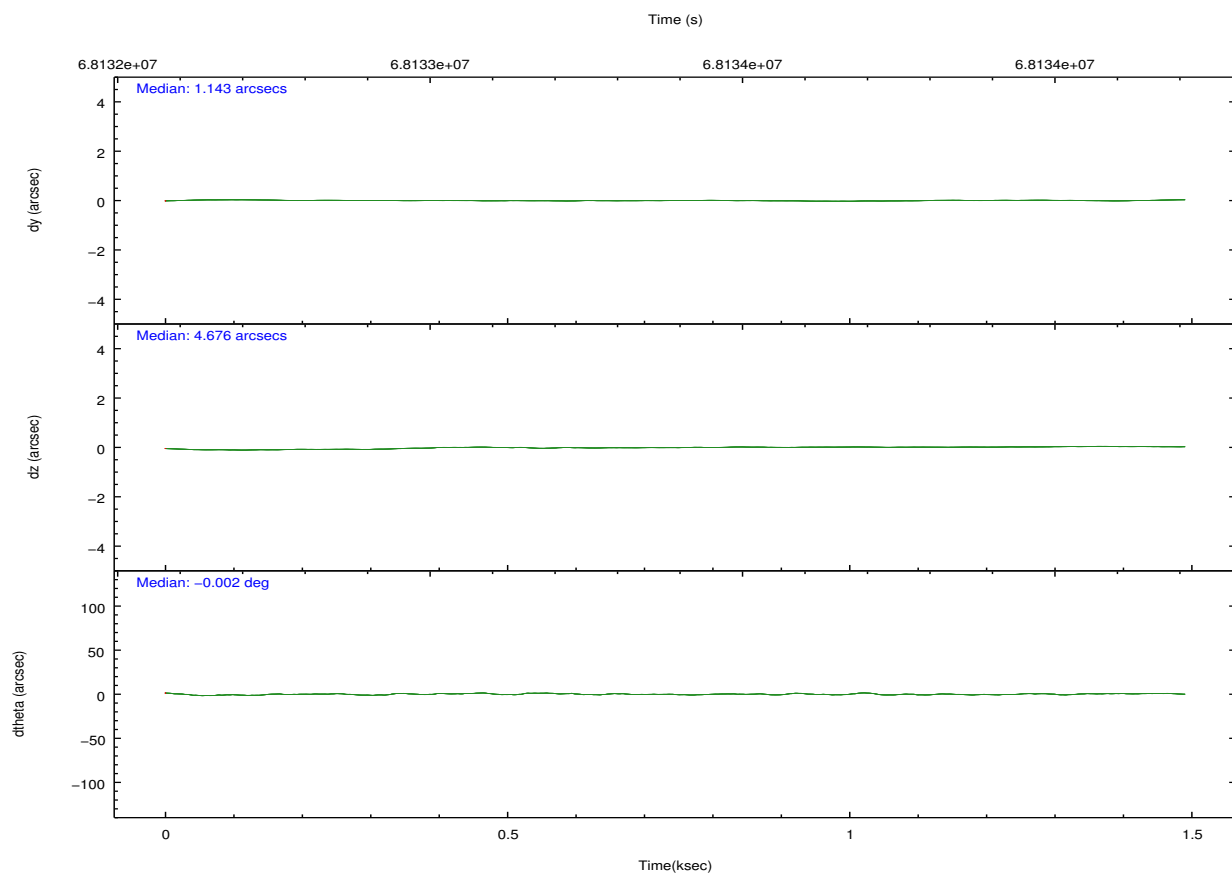
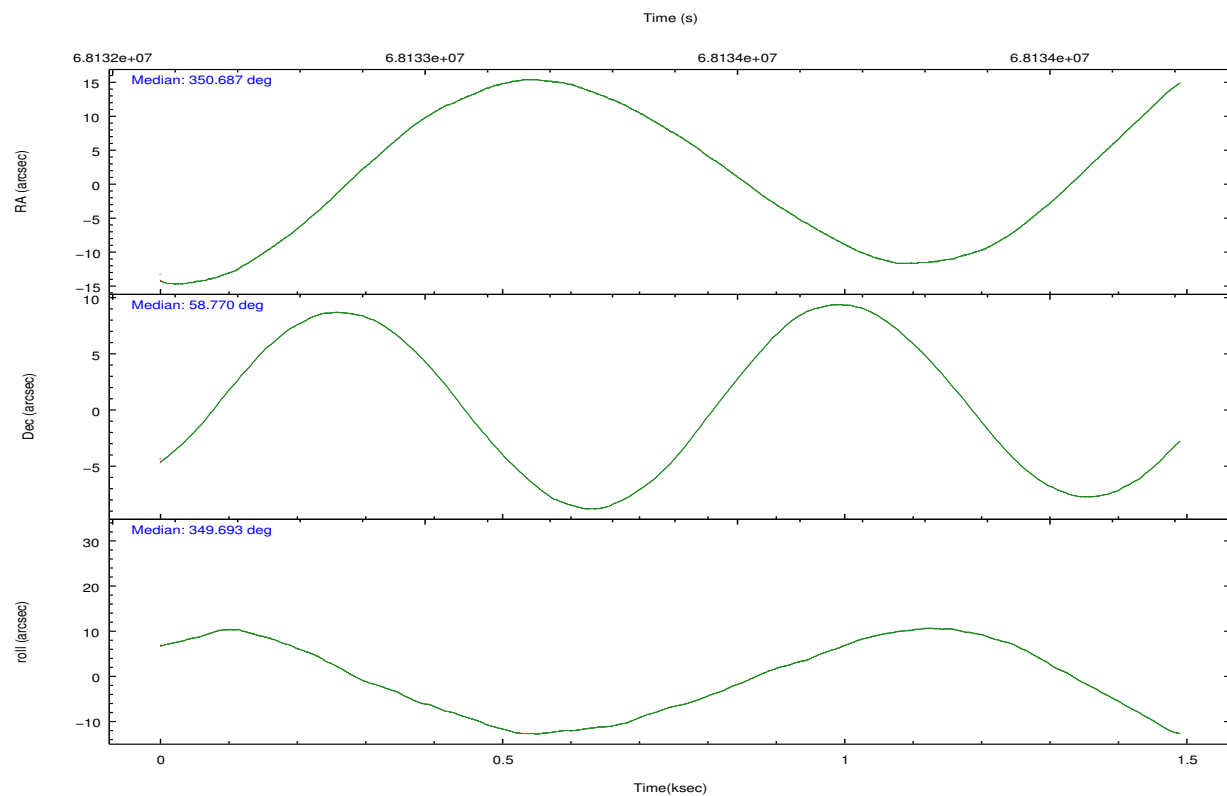
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	0	0	183589	0	0	0
	0%	0%	68%	0%	0%	0%
grade 1 events	0	0	2786	0	0	0
	0%	0%	1%	0%	0%	0%
grade 2 events	0	0	23706	0	0	0
	0%	0%	8%	0%	0%	0%
grade 3 events	0	0	7698	0	0	0
	0%	0%	2%	0%	0%	0%
grade 4 events	0	0	7680	0	0	0
	0%	0%	2%	0%	0%	0%
grade 5 events	0	0	1956	0	0	0
	0%	0%	0%	0%	0%	0%
grade 6 events	0	0	5229	0	0	0
	0%	0%	1%	0%	0%	0%
grade 7 events	0	0	34803	0	0	0
	0%	0%	13%	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	350.636575	350.6864965845811	Subarray requested	NONE	NONE
[deg] Pointing Dec	58.760899	58.76999068867086	Alternating exposures requested	N	N
[deg] Pointing Roll	349.532969	349.6989438540479	[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)	68133139.184000	68132472.860917			
Observation start date	2000-02-28T13:51:15	2000-02-28T13:41:12			
[s] Observation end time (MET)	68134139.184000	68134272.76098301			
Observation end date	2000-02-28T14:07:55	2000-02-28T14:11:12			
Read mode	TIMED	TIMED			

2.3 Aspect



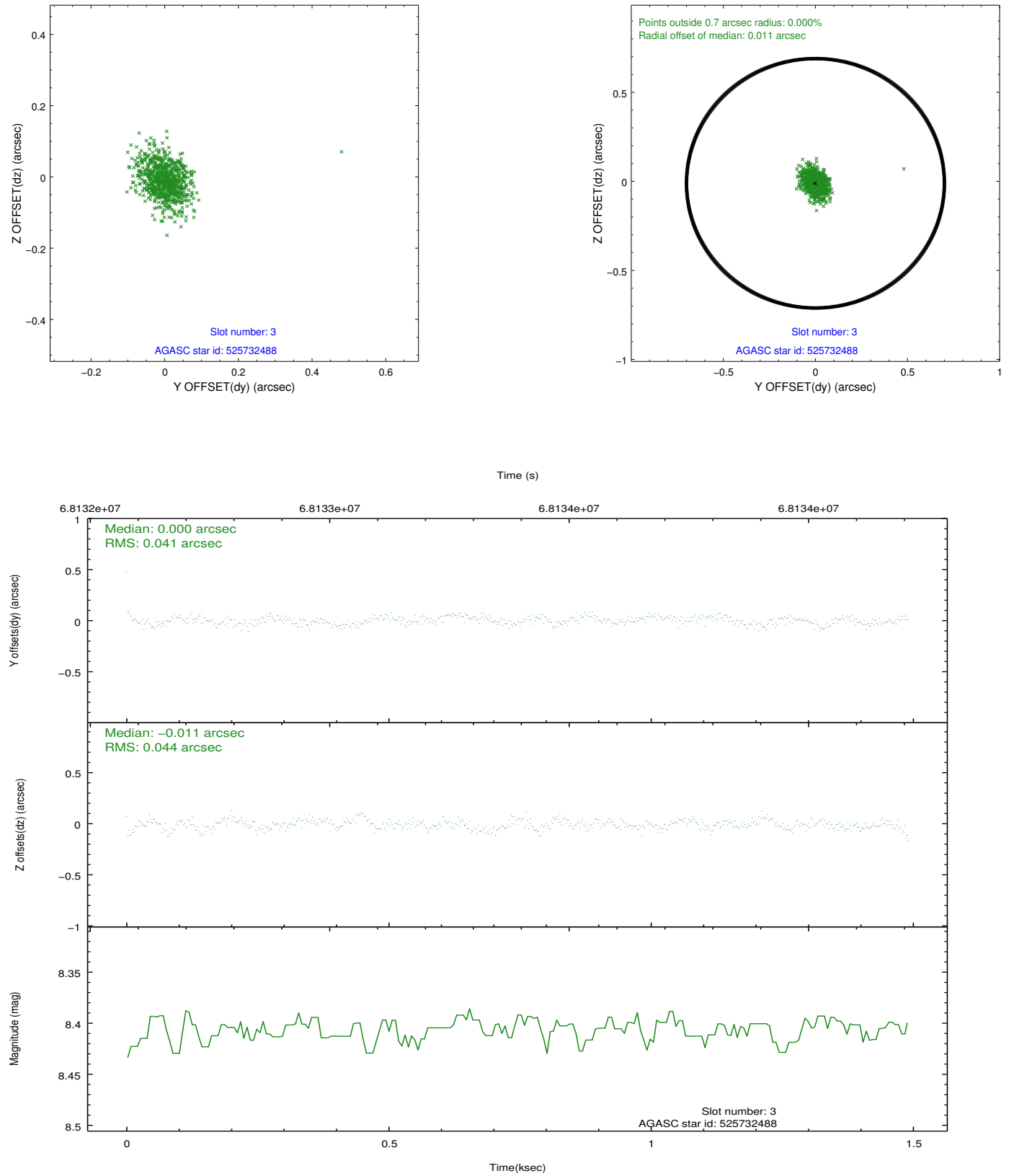


Slot Statistics

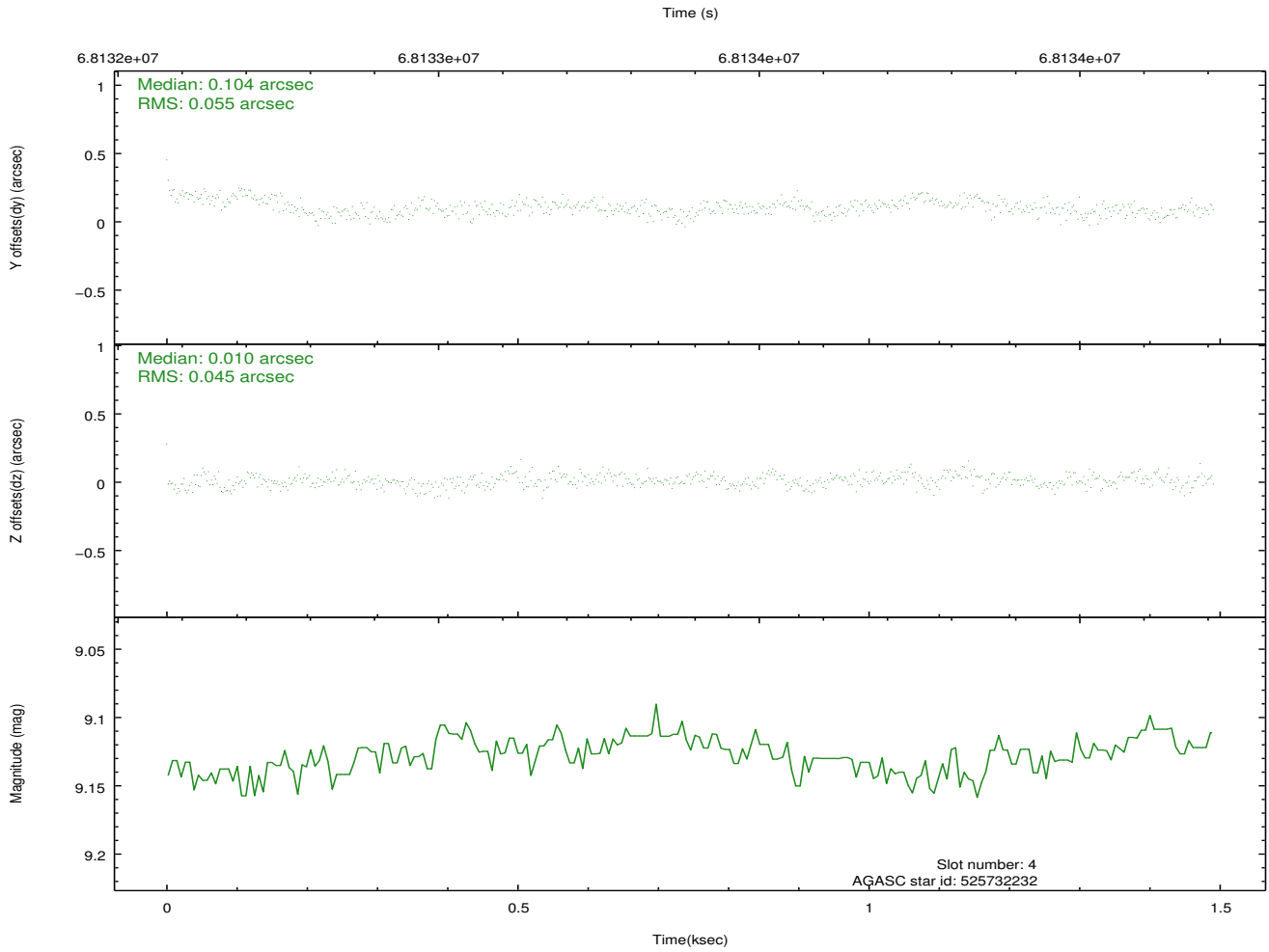
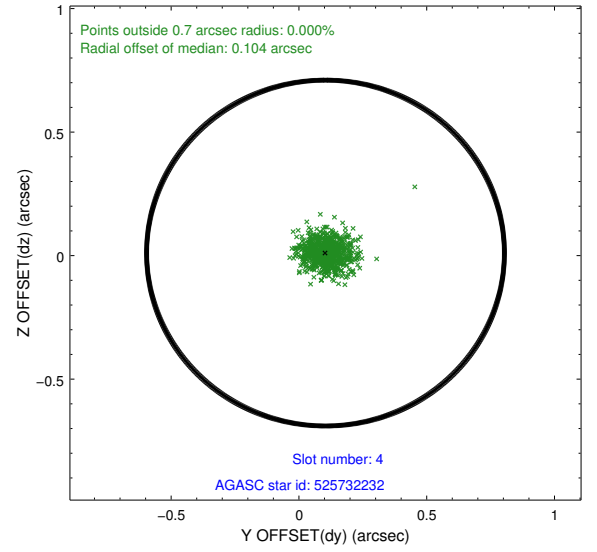
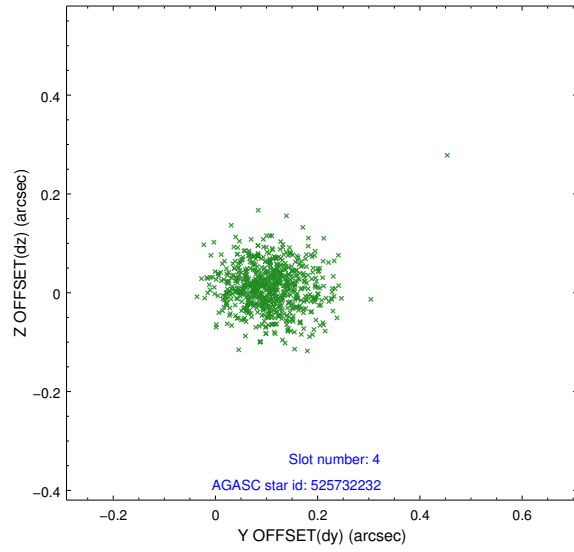
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	364	-0.034	-0.030	0.010	0.016	0.000000	0.000000	-755.51	-834.38
1	FID	ACIS-I-4	7.19	364	-0.018	0.036	0.006	0.012	0.000000	0.000000	2156.57	1069.63
2	FID	ACIS-I-5	7.23	364	-0.049	0.063	0.009	0.015	0.000000	0.000000	-1803.62	1072.57
3	GUIDE	525732488	8.41	728	0.000	-0.011	0.060	0.102	350.087090	58.516915	-856.99	-1047.46
4	GUIDE	525732232	9.13	727	0.104	0.010	0.076	0.125	351.669550	58.757012	1895.35	349.89
5	GUIDE	525609504	9.07	727	0.013	0.010	0.071	0.121	349.896632	58.356658	-1108.50	-1677.10
6	GUIDE	525731480	9.51	727	0.020	-0.099	0.076	0.121	351.647209	58.687294	1903.34	94.63
7	GUIDE	525601208	9.23	727	-0.155	0.084	0.108	0.166	349.910779	59.483724	-1776.58	2324.89

2.4 Star Slots

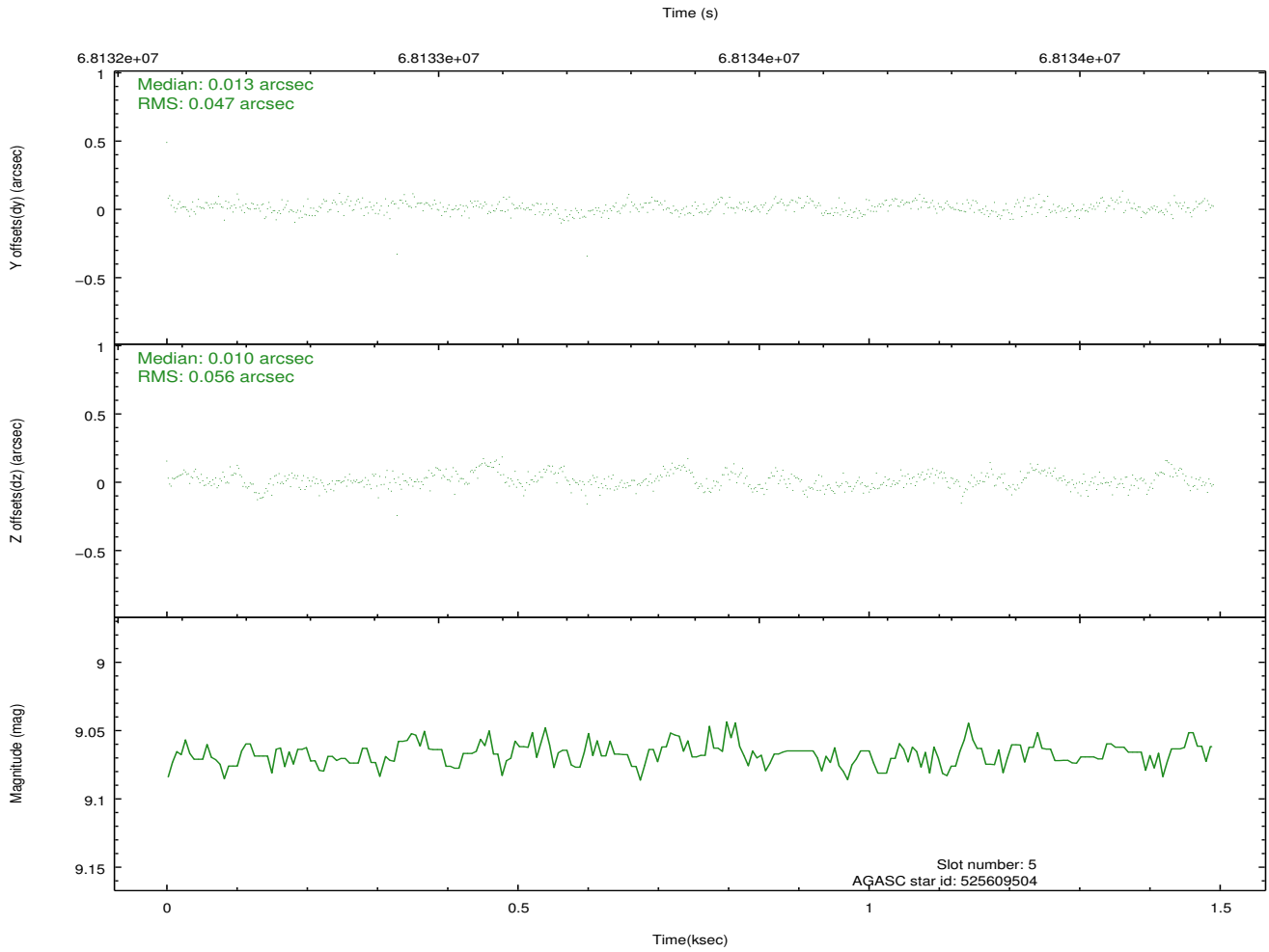
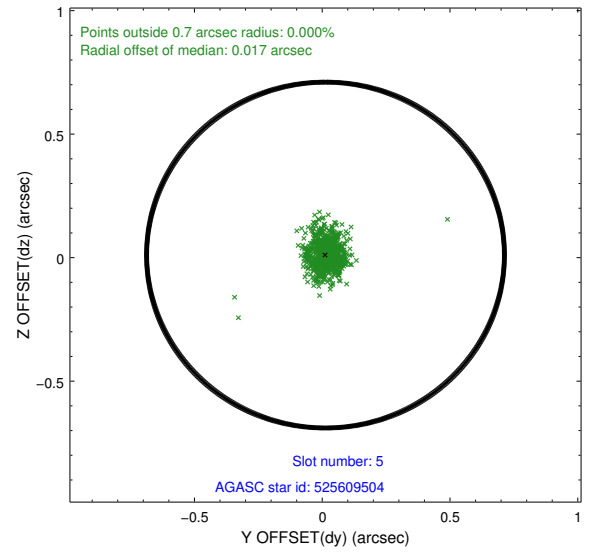
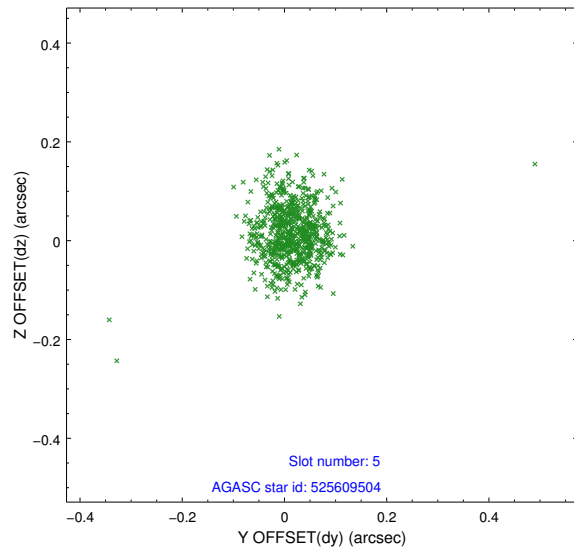
2.4.1 Slot 3



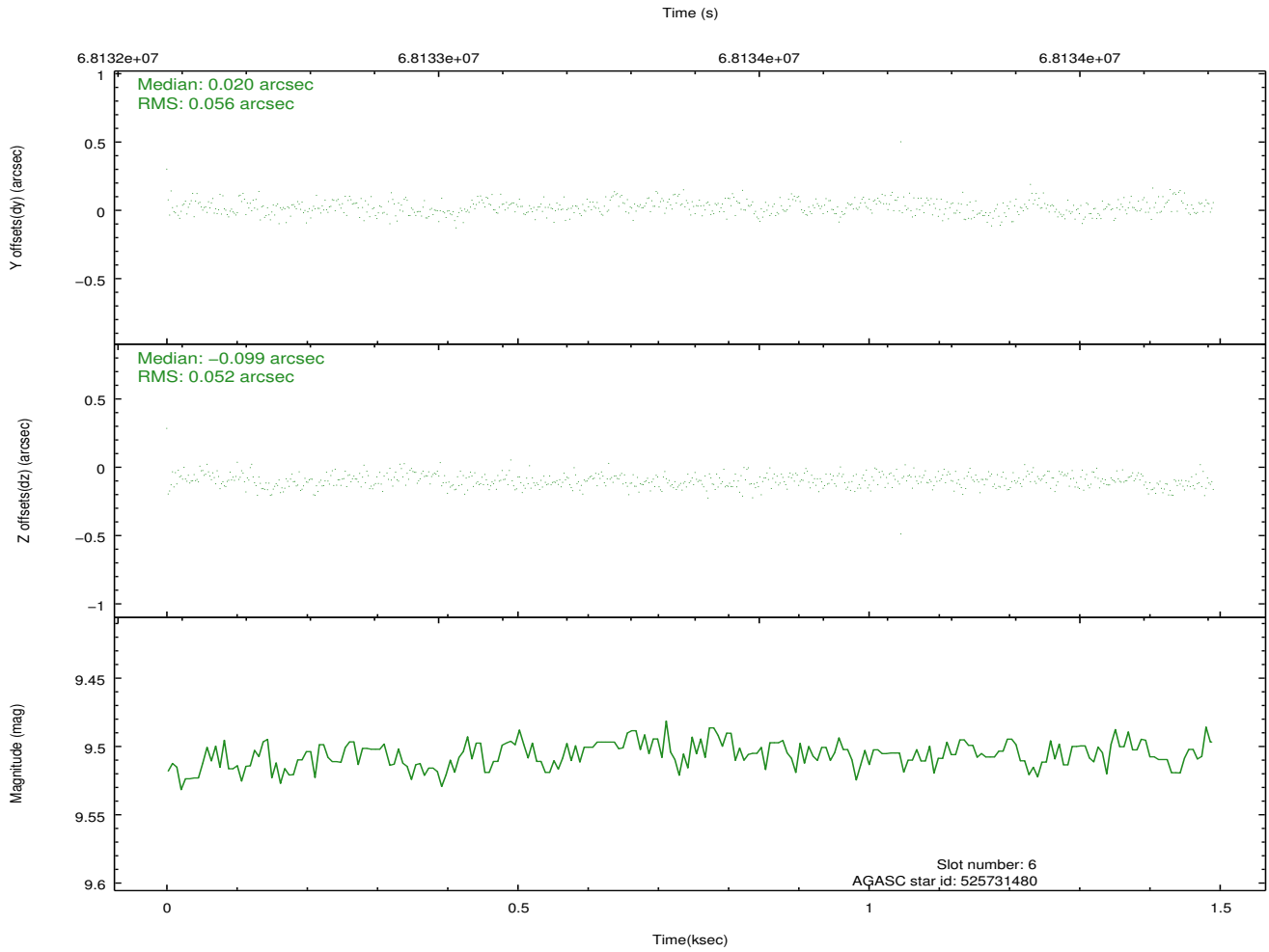
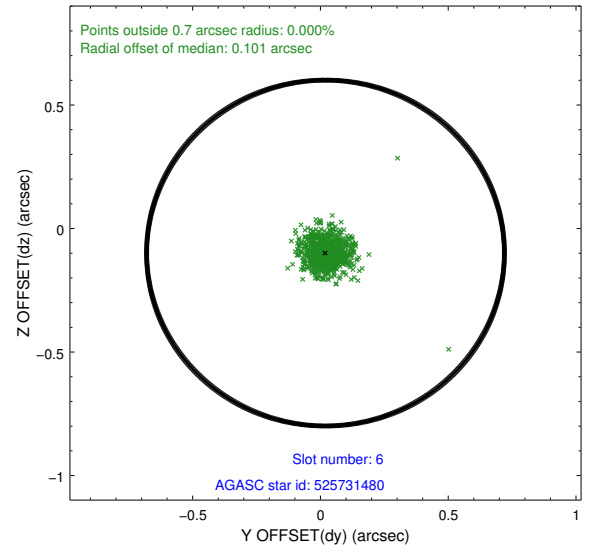
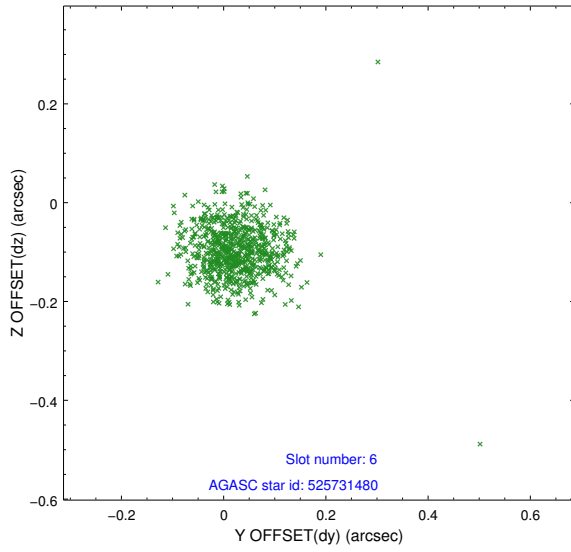
2.4.2 Slot 4



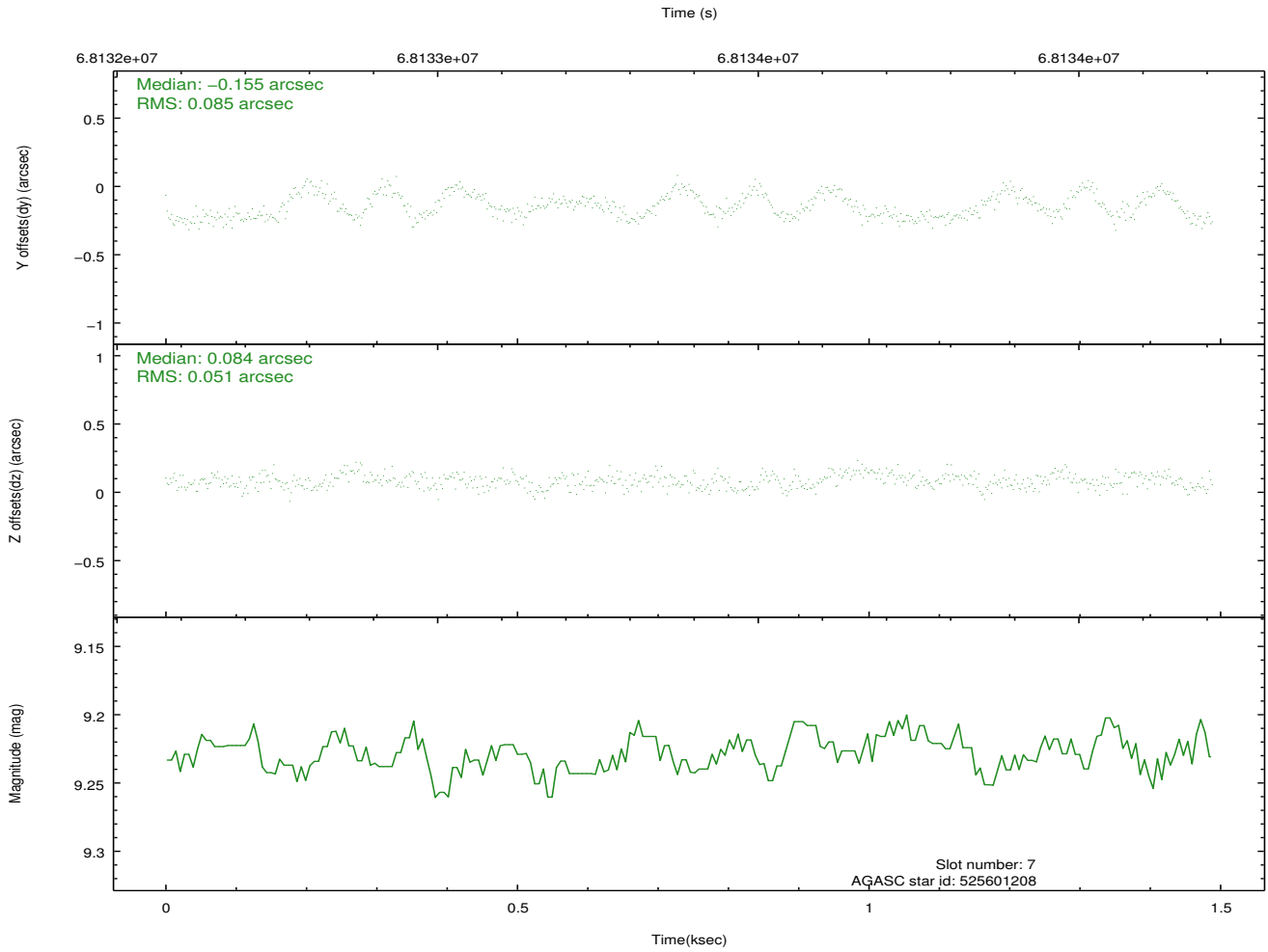
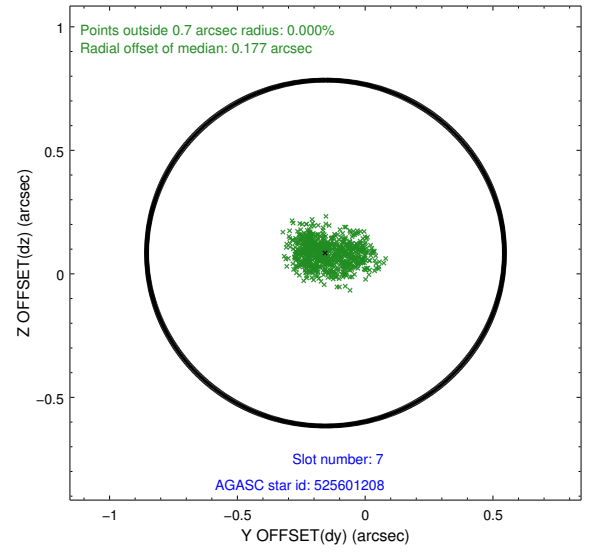
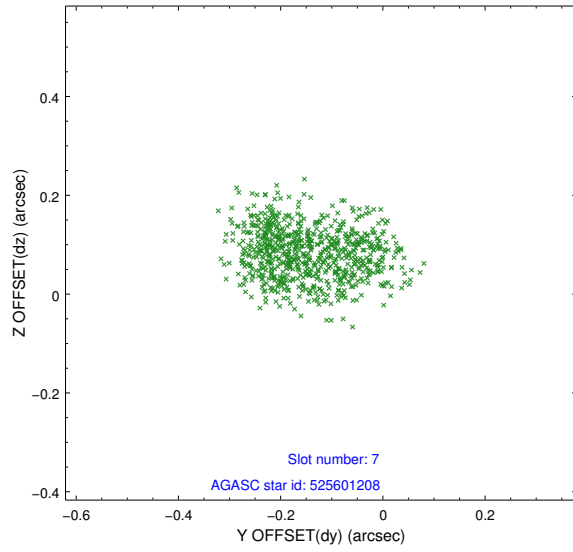
2.4.3 Slot 5



2.4.4 Slot 6

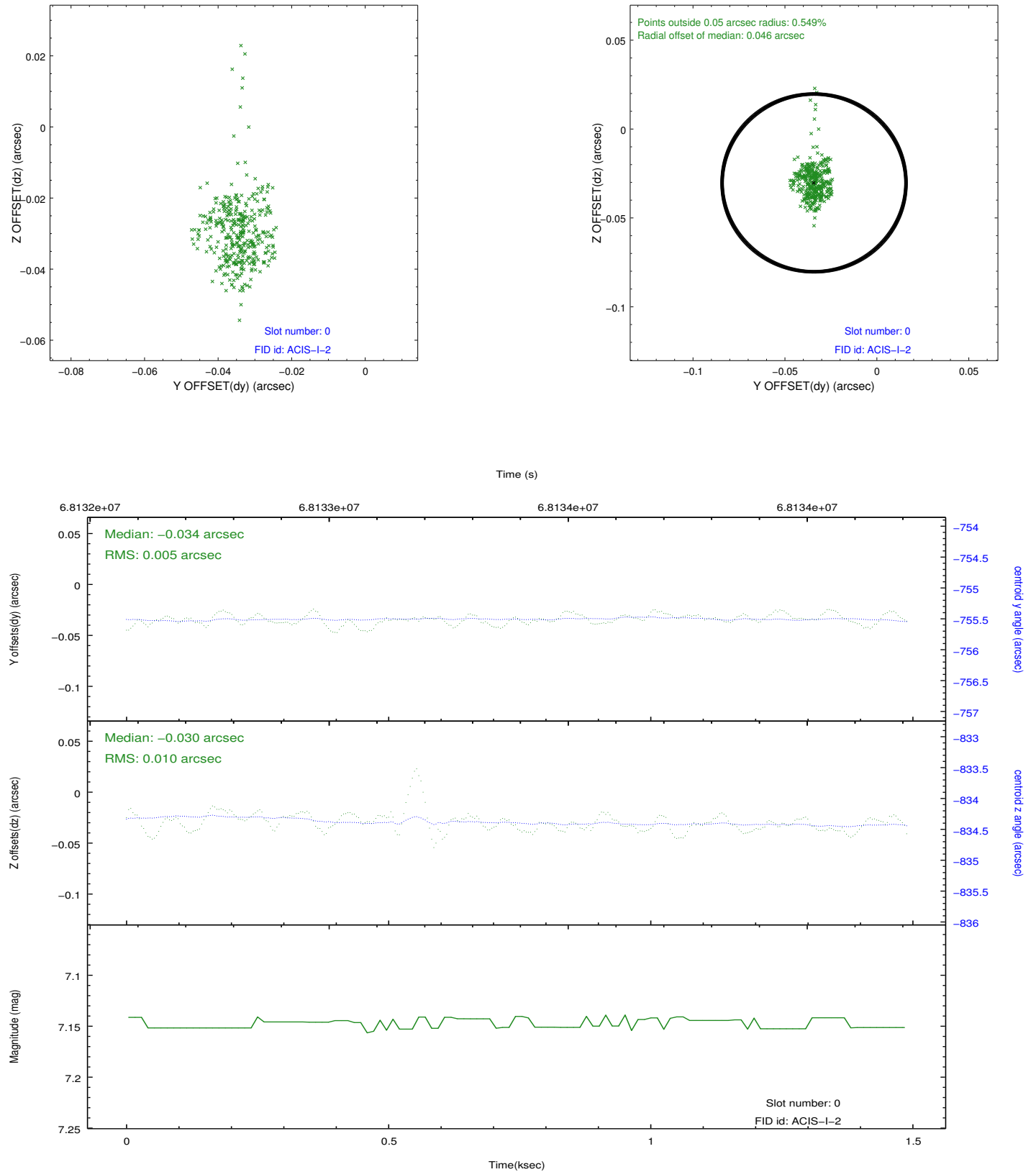


2.4.5 Slot 7

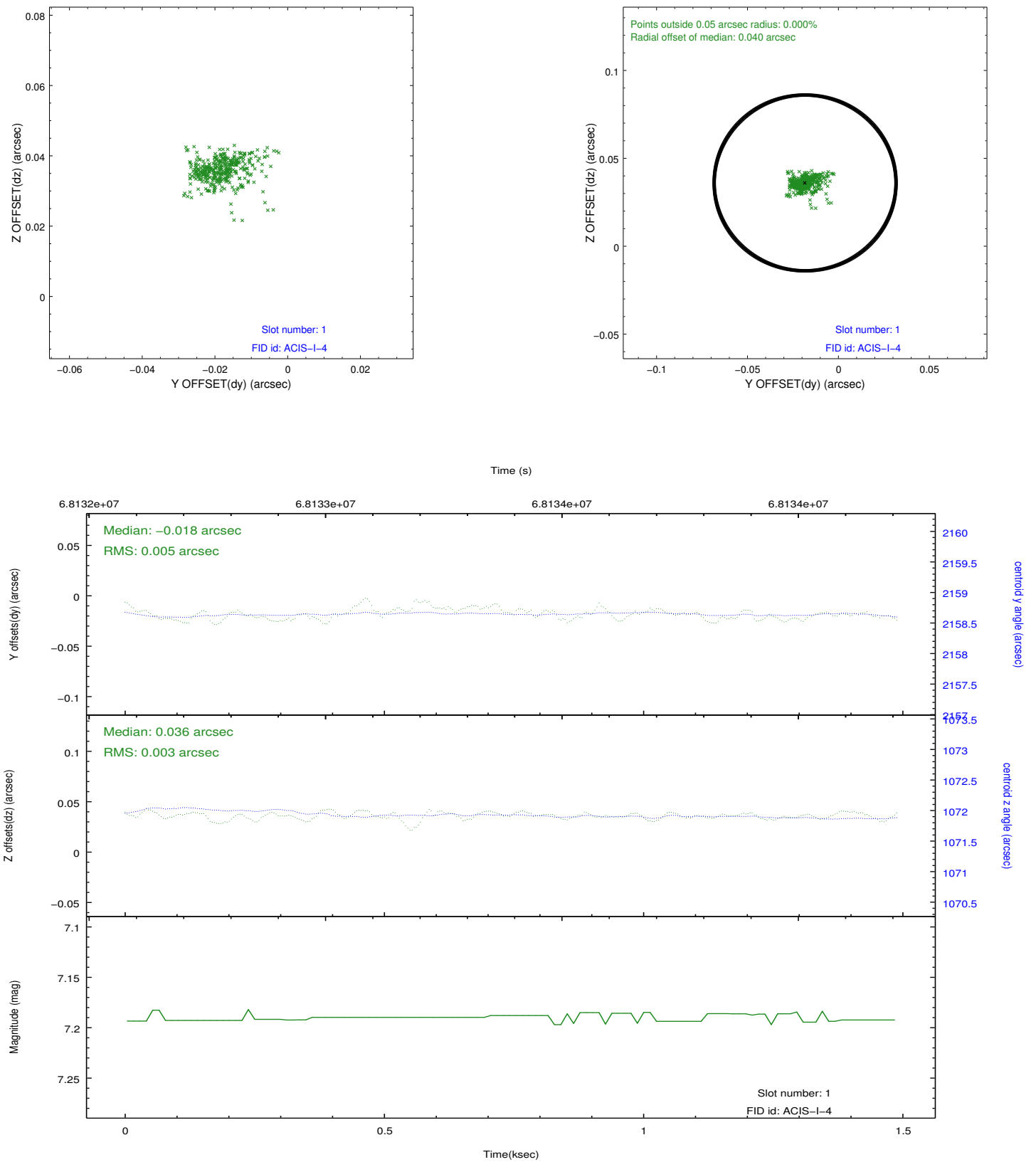


2.5 FID Slots

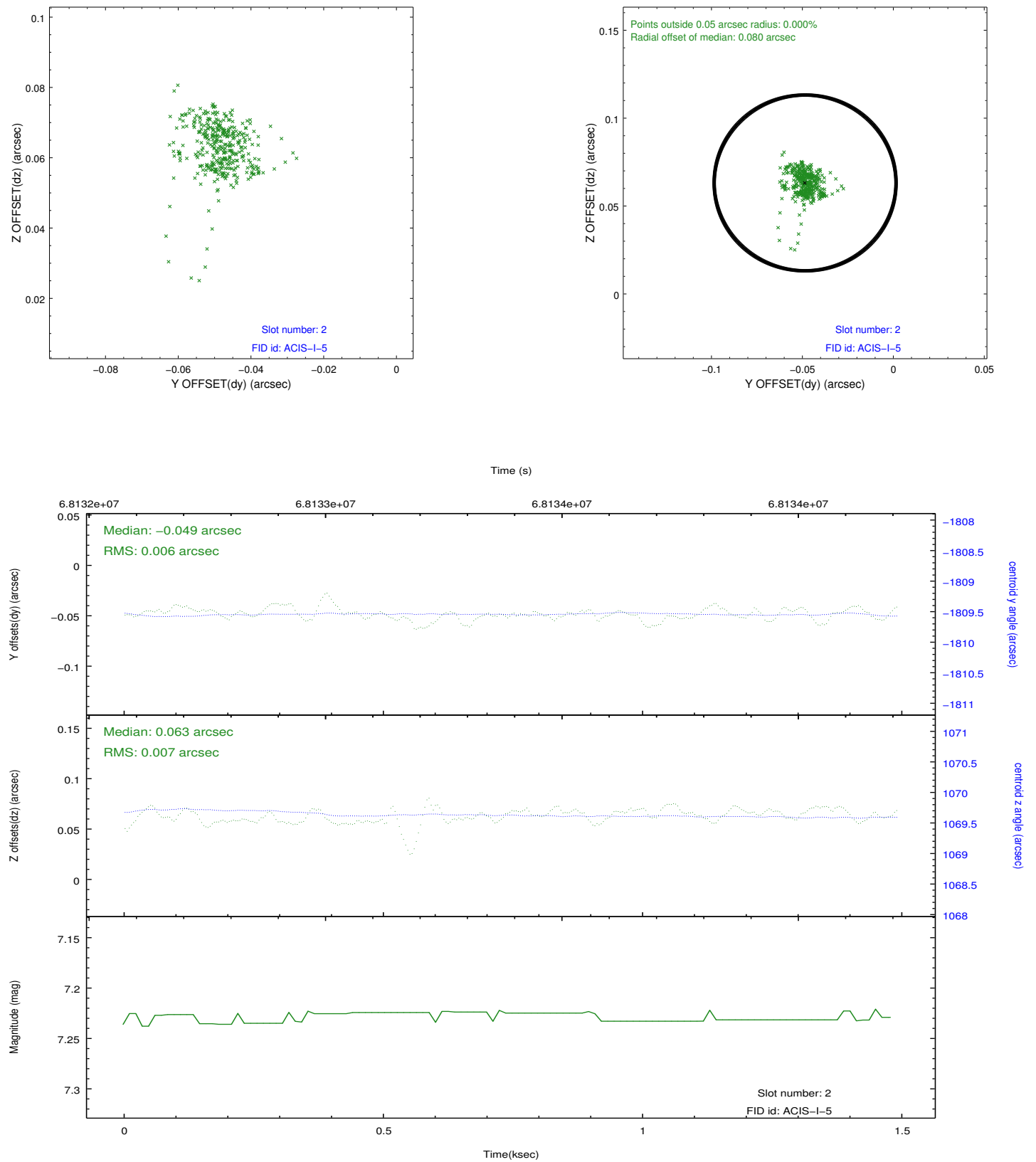
2.5.1 Slot 0



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)	2012.08.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.024

A.2 Comments

Charge time for this ObsId remains at previous value of 1.024 ks although with the current processing the charge time would have been 1.019 ksec. Window constraint met.