

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1546 - L2 Version 3
Chandra X-Ray Center

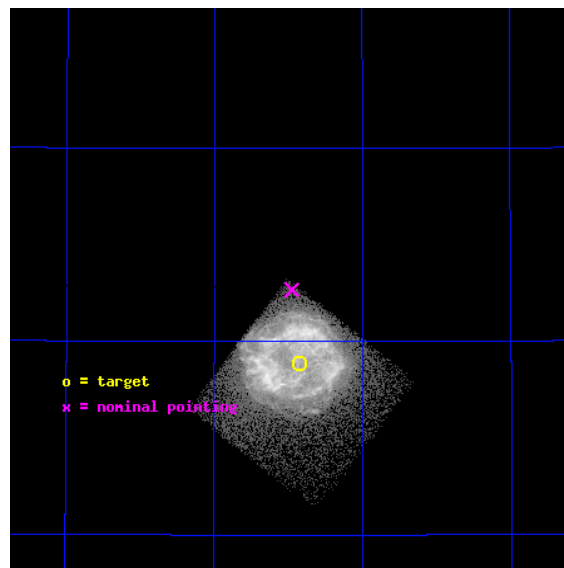
L2 Processing Date : Sep 20 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

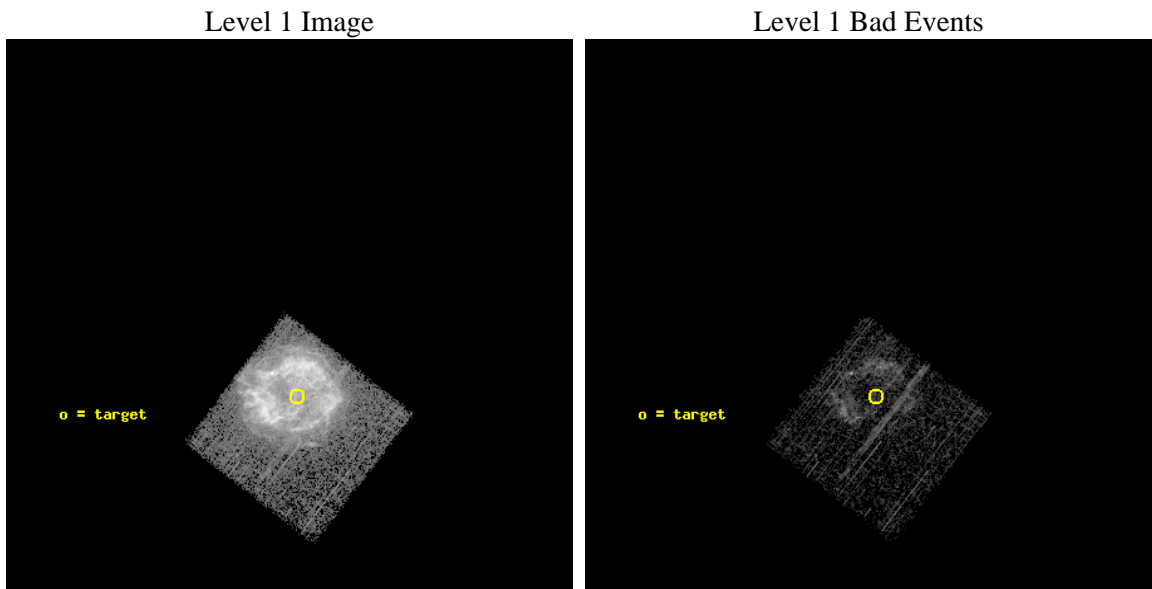
seq_num	590155	Sequence number
obs_id	1546	Observation id
title	CALIBRATION OBSERVATIONS OF THE STANDARD CANDLE CAS A	Proposal tit
observer	Dr. CXC Calibration	Principal investigator
object	CAS A [Chip I3, T=120, Offsets=-2,2,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	350.86933996607	Nominal RA [deg]
dec_nom	58.877940944508	Nominal Dec [deg]
roll_nom	127.9998610557	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1407.640911907	Sum of GTIs [s]
livetime	1389.8165151008	Livetime [s]
ontime0	1942.4000017941	Sum of GTIs [s]
ontime1	1942.4000017941	Sum of GTIs [s]
ontime2	1942.4000017941	Sum of GTIs [s]
ontime3	1407.640911907	Sum of GTIs [s]
ontime6	1942.4000017941	Sum of GTIs [s]
ontime7	1942.4000017941	Sum of GTIs [s]
l2events	310053	Number of level 2 events



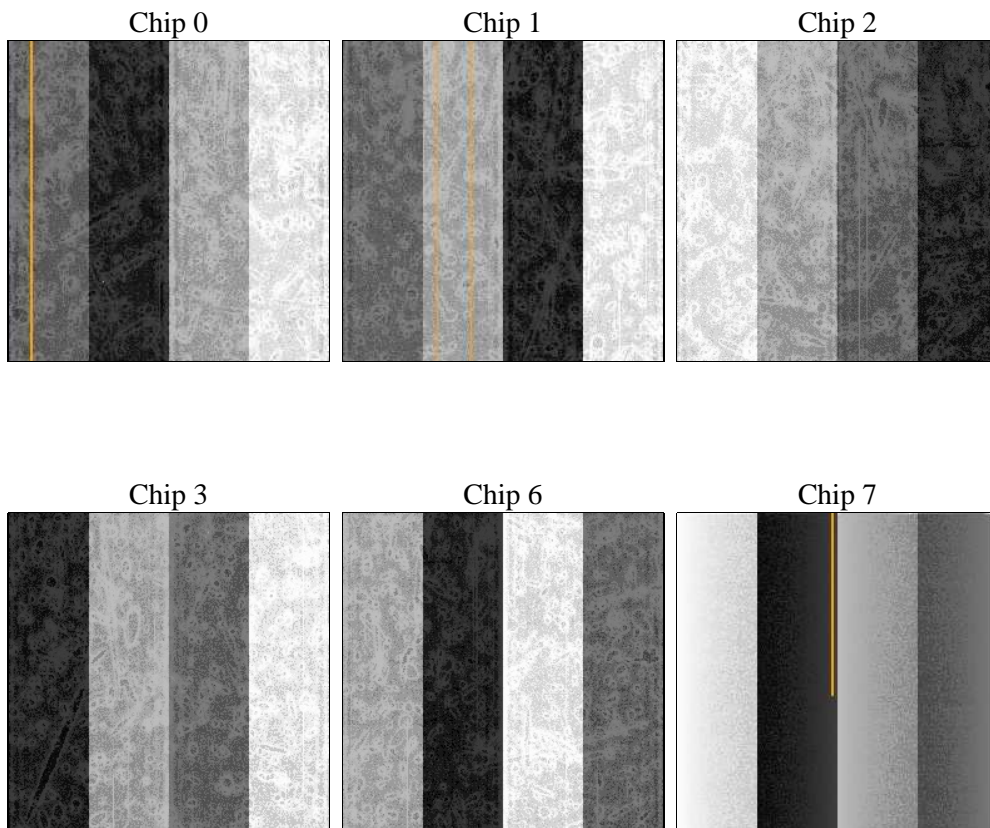
2 OBI

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	1407.640911907	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime0	1942.4000017941	Sum of GTIs [s]
date	2012-09-20T05:02:07	Date and time of file creation	ontime1	1942.4000017941	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	1942.4000017941	Sum of GTIs [s]
			ontime3	1407.640911907	Sum of GTIs [s]
			ontime6	1942.4000017941	Sum of GTIs [s]
			ontime7	1942.4000017941	Sum of GTIs [s]
			l1events	370301	Number of level 1 events

2.1.4 Events

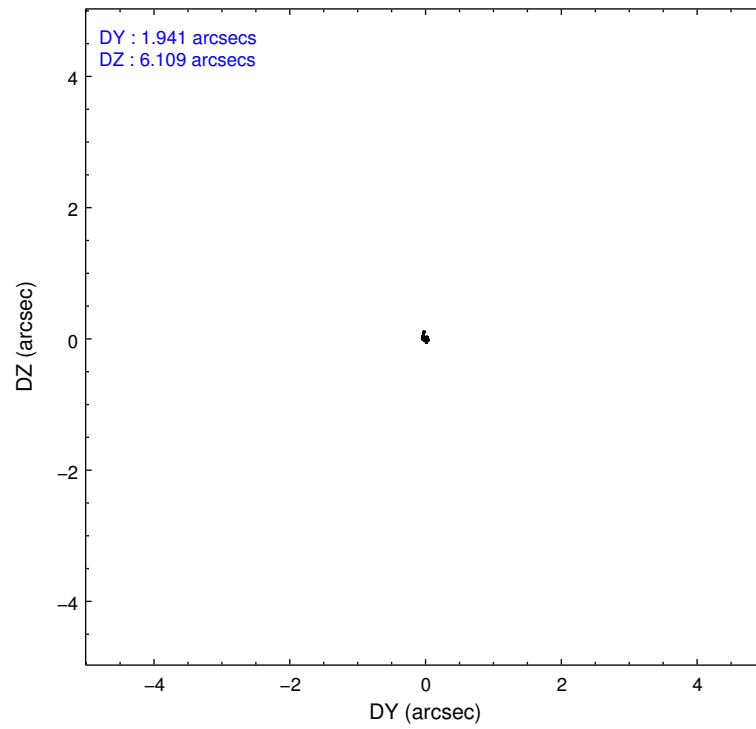
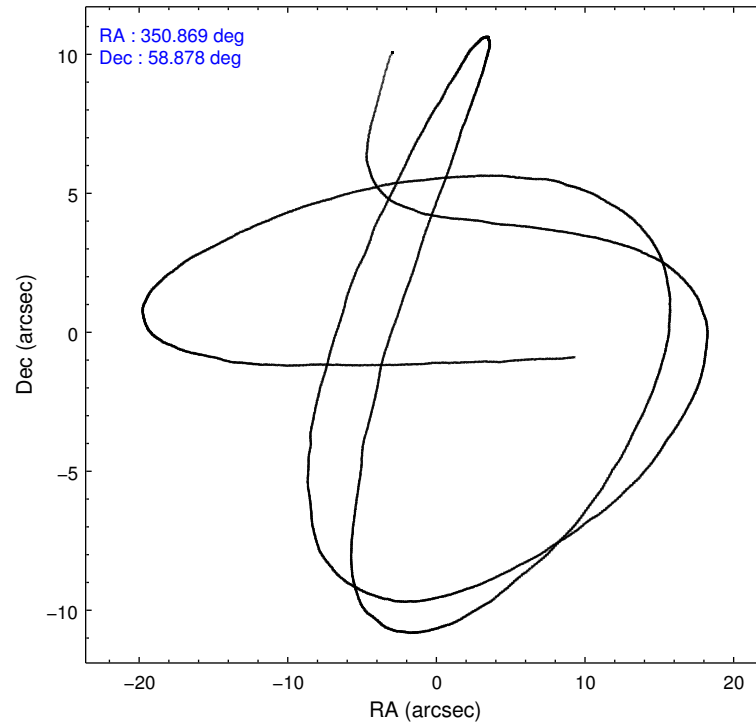
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	0	0	0	370301	0	0
rejected events	0	0	0	51776	0	0
rejected %	0%	0%	0%	13%	0%	0%

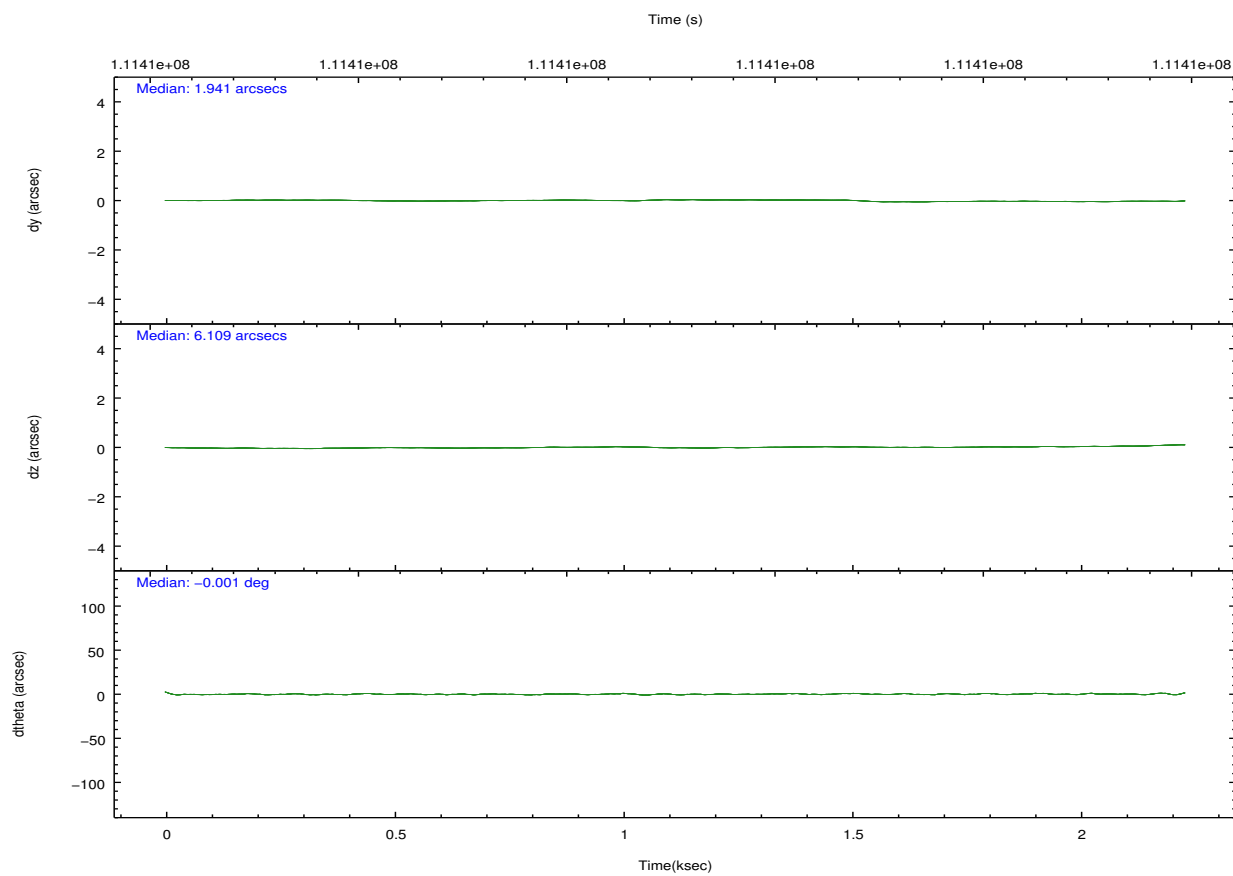
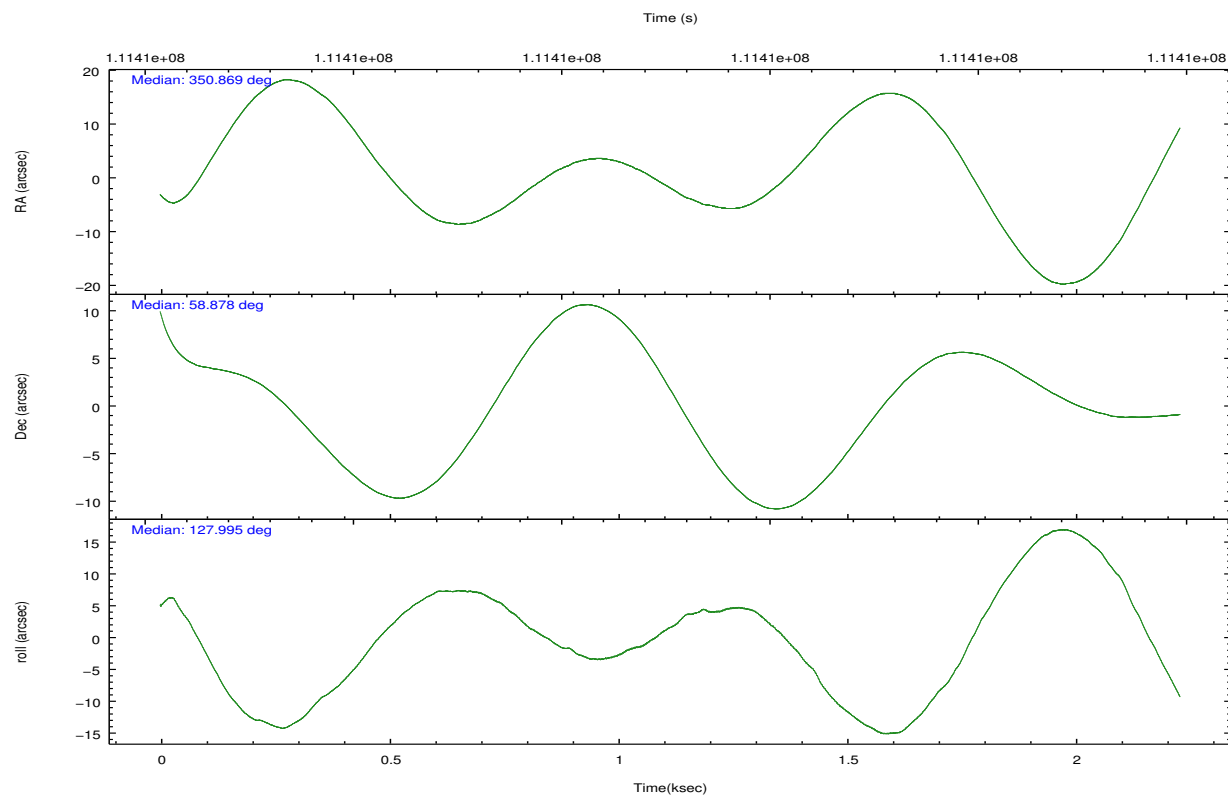
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	0	0	0	257904	0	0
	0%	0%	0%	69%	0%	0%
grade 1 events	0	0	0	4293	0	0
	0%	0%	0%	1%	0%	0%
grade 2 events	0	0	0	33716	0	0
	0%	0%	0%	9%	0%	0%
grade 3 events	0	0	0	10162	0	0
	0%	0%	0%	2%	0%	0%
grade 4 events	0	0	0	10339	0	0
	0%	0%	0%	2%	0%	0%
grade 5 events	0	0	0	2818	0	0
	0%	0%	0%	0%	0%	0%
grade 6 events	0	0	0	7139	0	0
	0%	0%	0%	1%	0%	0%
grade 7 events	0	0	0	43930	0	0
	0%	0%	0%	11%	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	350.918643	350.8693399660722	Subarray requested	NONE	NONE
[deg] Pointing Dec	58.867605	58.87794094450819	Alternating exposures requested	N	N
[deg] Pointing Roll	127.748941	127.9998610557019	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	110332864.184000	110332864.184000			
[s] Window stop time (MET)	112838464.184000	112838464.184000			
[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)	111406874.184000	111405882.98613			
Observation start date	2001-07-13T10:20:10	2001-07-13T10:04:42			
[s] Observation end time (MET)	111408874.184000	111409657.03628			
Observation end date	2001-07-13T10:53:30	2001-07-13T11:07:37			
Read mode	TIMED	TIMED			

2.3 Aspect



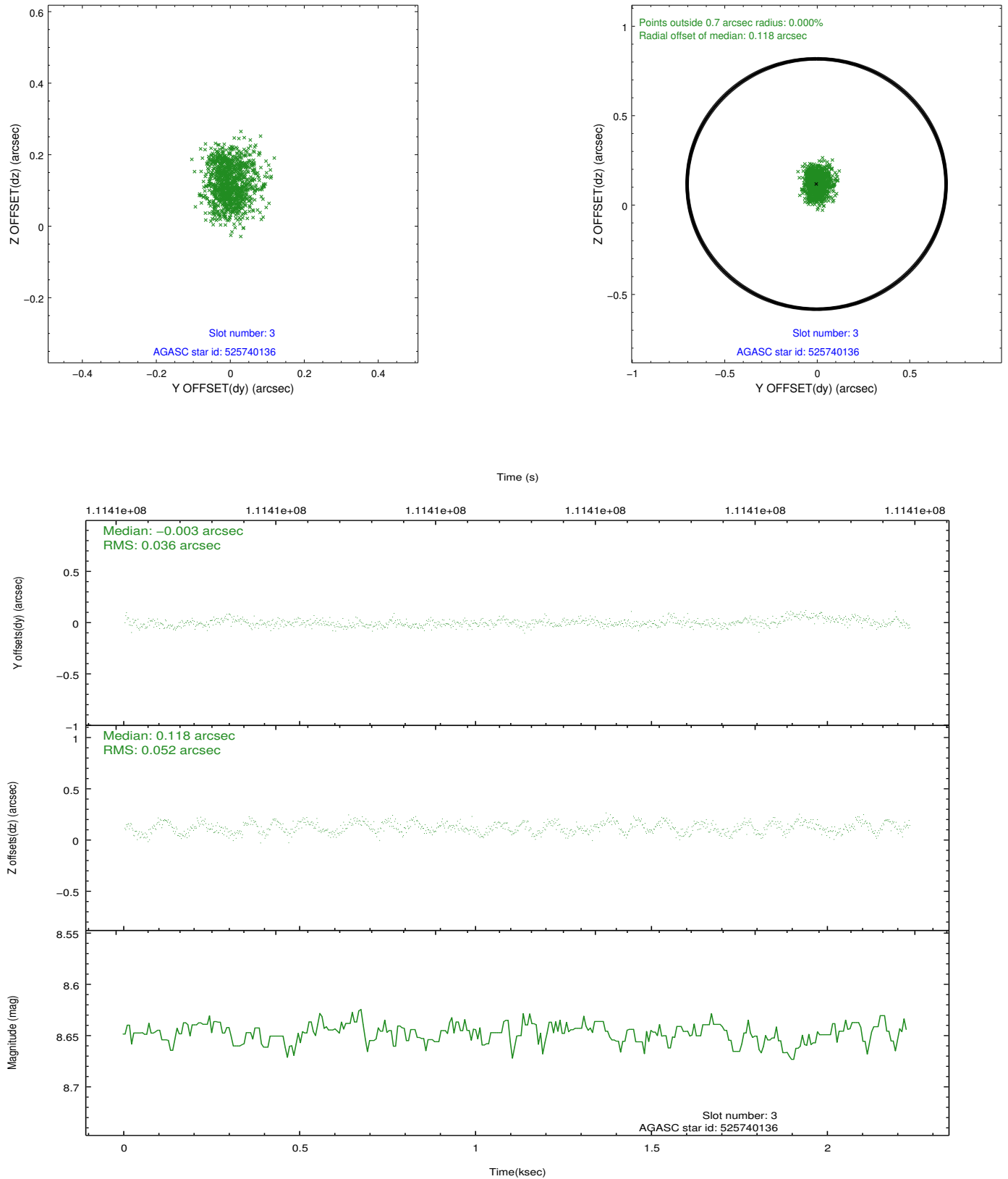


Slot Statistics

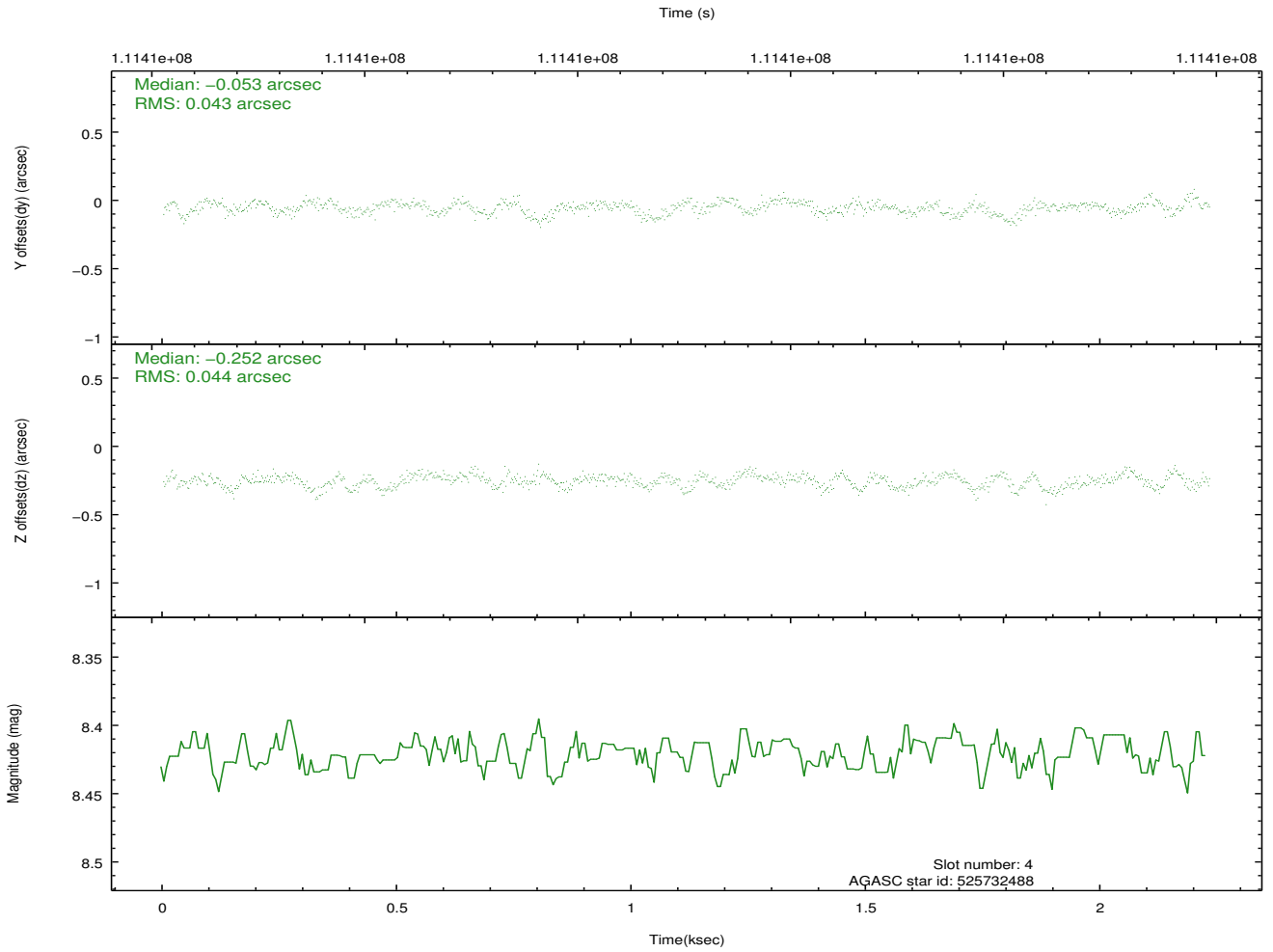
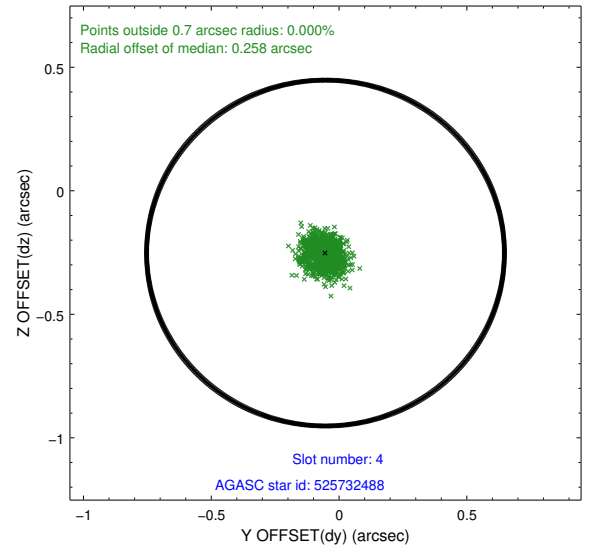
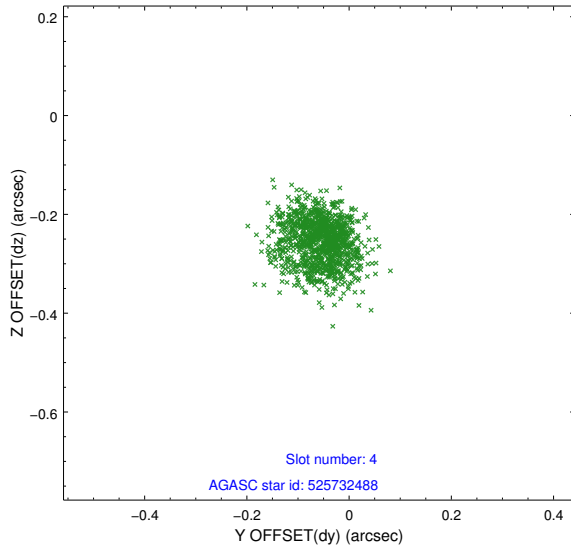
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	544	-0.013	0.016	0.006	0.009	0.000000	0.000000	937.86	-829.47
1	FID	ACIS-I-5	7.24	545	-0.043	0.039	0.006	0.010	0.000000	0.000000	-1808.62	1066.63
2	FID	ACIS-I-6	7.26	544	-0.036	0.015	0.006	0.010	0.000000	0.000000	400.26	1714.38
3	GUIDE	525740136	8.65	1089	-0.003	0.118	0.069	0.106	352.585881	58.767876	-2158.74	-2264.11
4	GUIDE	525732488	8.42	1089	-0.053	-0.252	0.067	0.105	350.087090	58.516915	-36.26	2001.19
5	GUIDE	525732232	9.12	1089	0.068	0.025	0.074	0.113	351.669550	58.757012	-1167.65	-867.54
6	GUIDE	525736400	9.06	1088	0.014	0.017	0.068	0.106	350.974563	59.175145	810.76	-759.65
7	GUIDE	525737208	9.38	1087	-0.024	0.095	0.076	0.125	351.154109	59.407897	1274.75	-1532.41

2.4 Star Slots

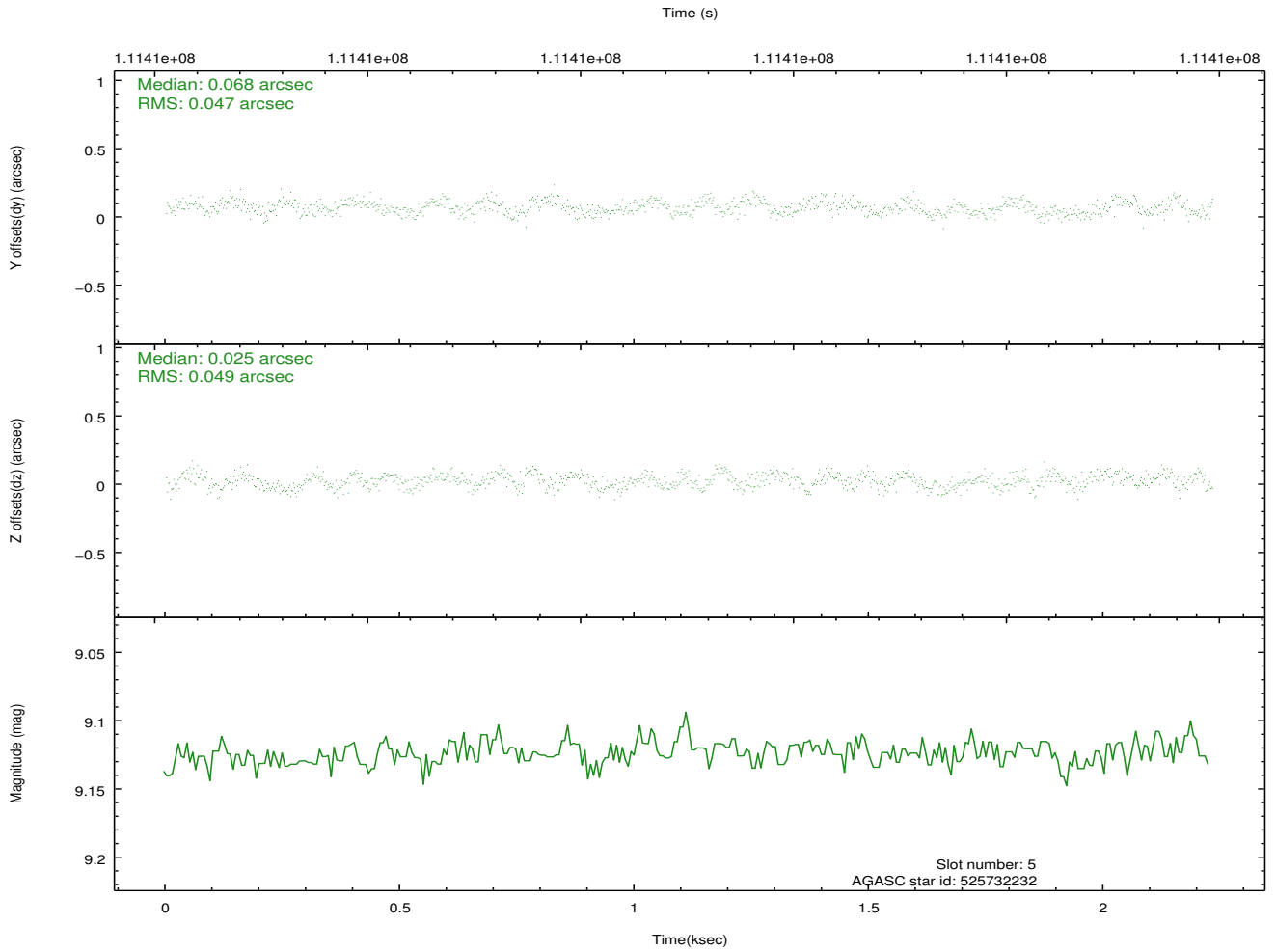
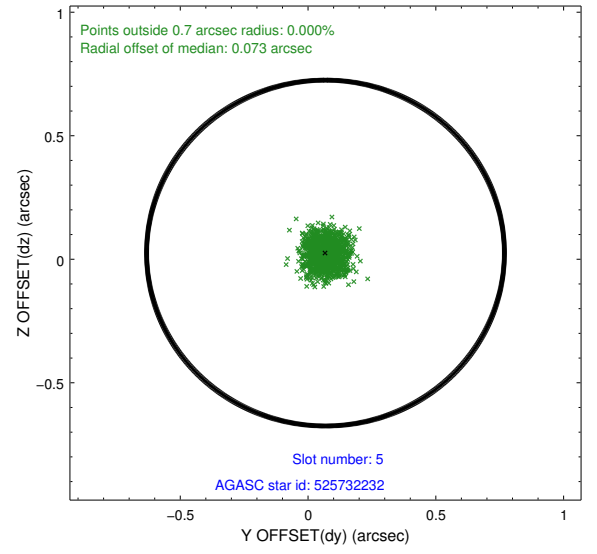
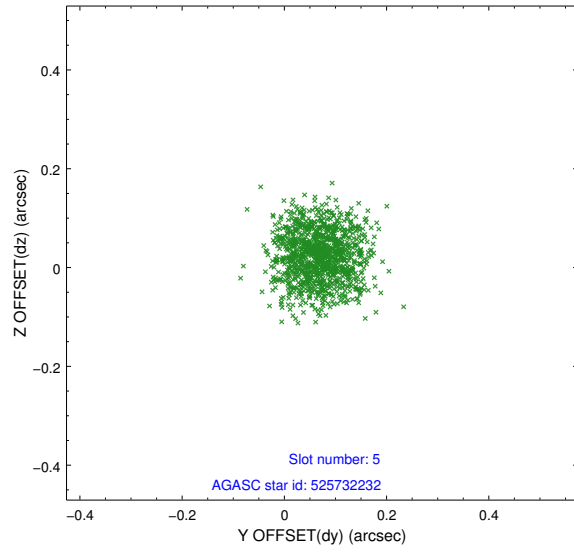
2.4.1 Slot 3



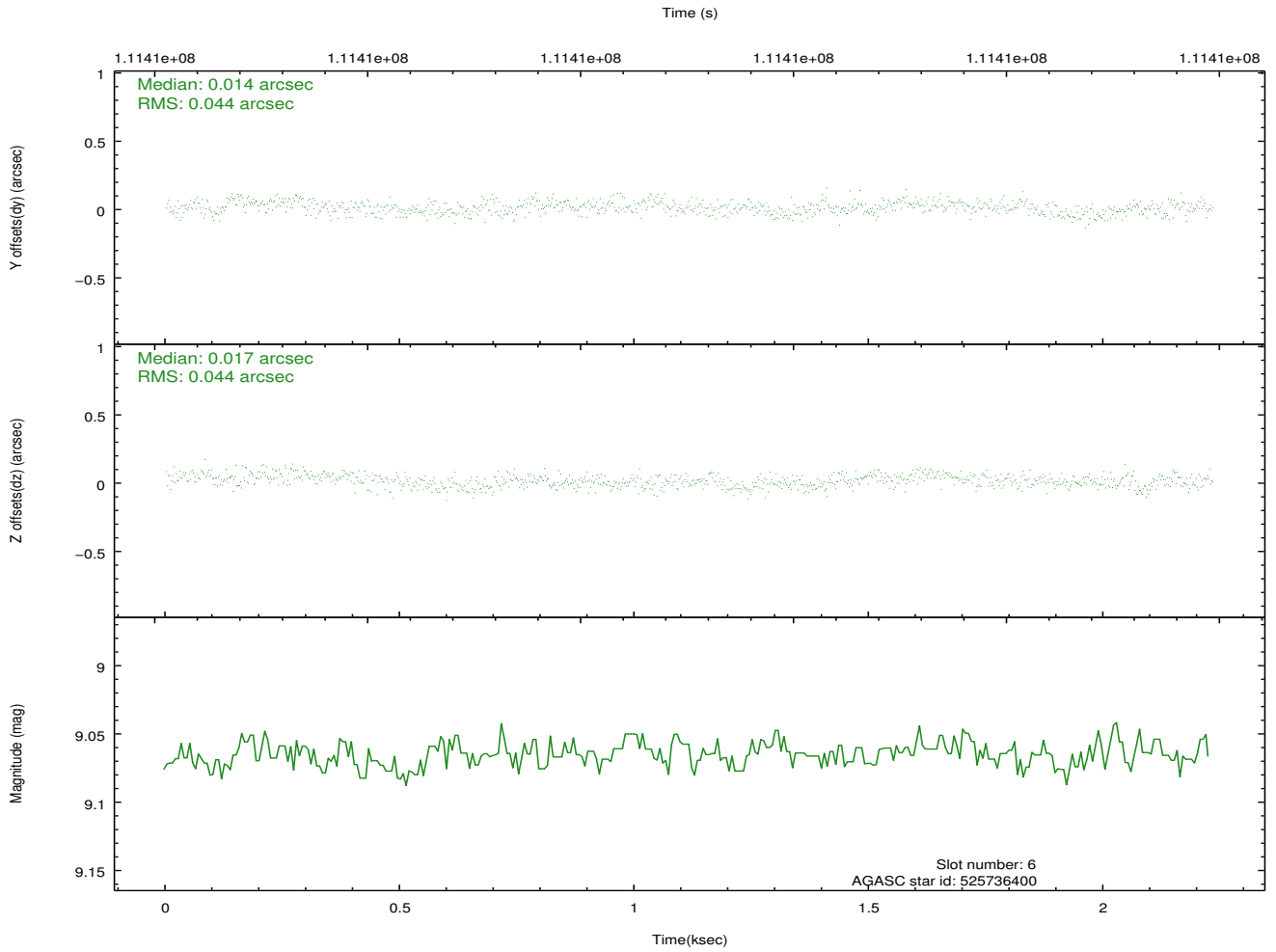
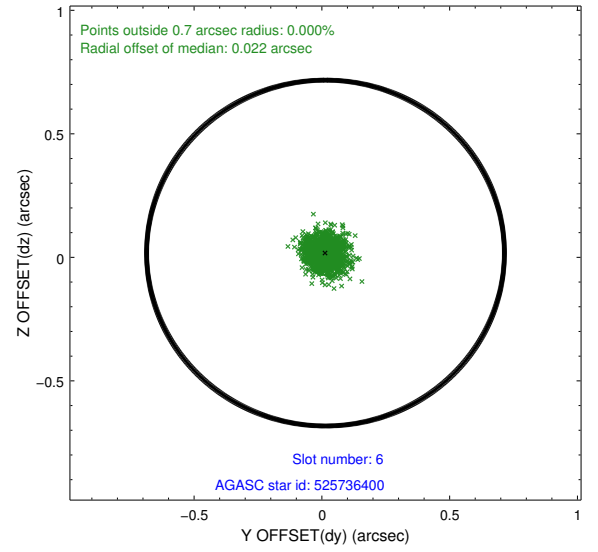
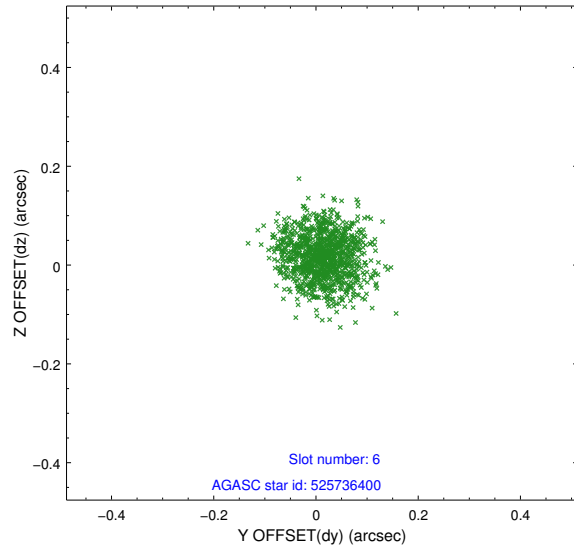
2.4.2 Slot 4



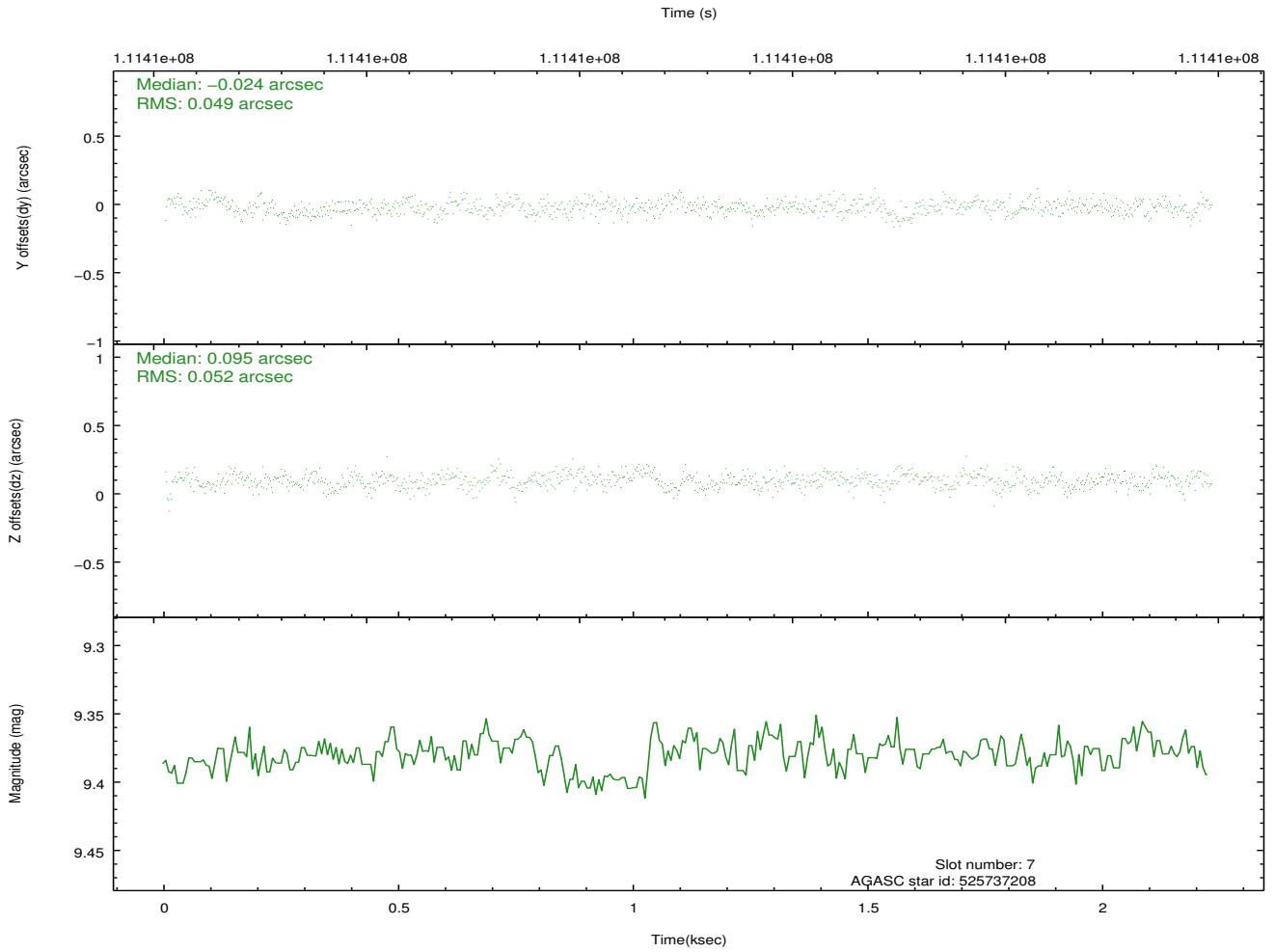
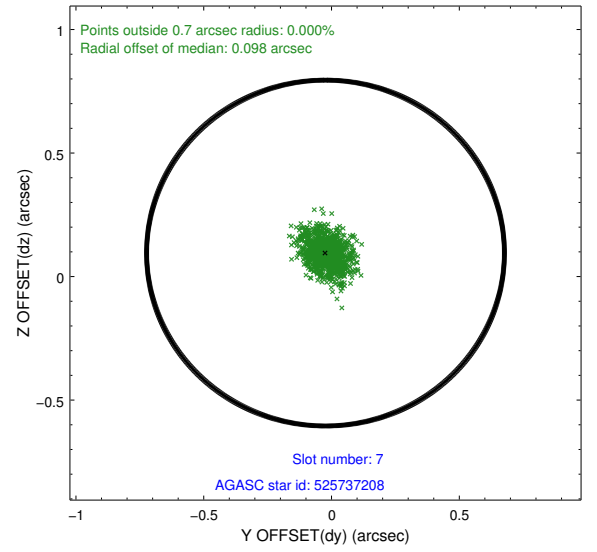
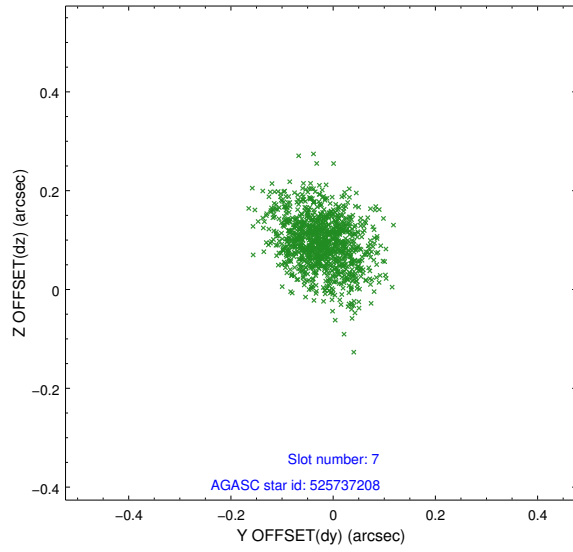
2.4.3 Slot 5



2.4.4 Slot 6

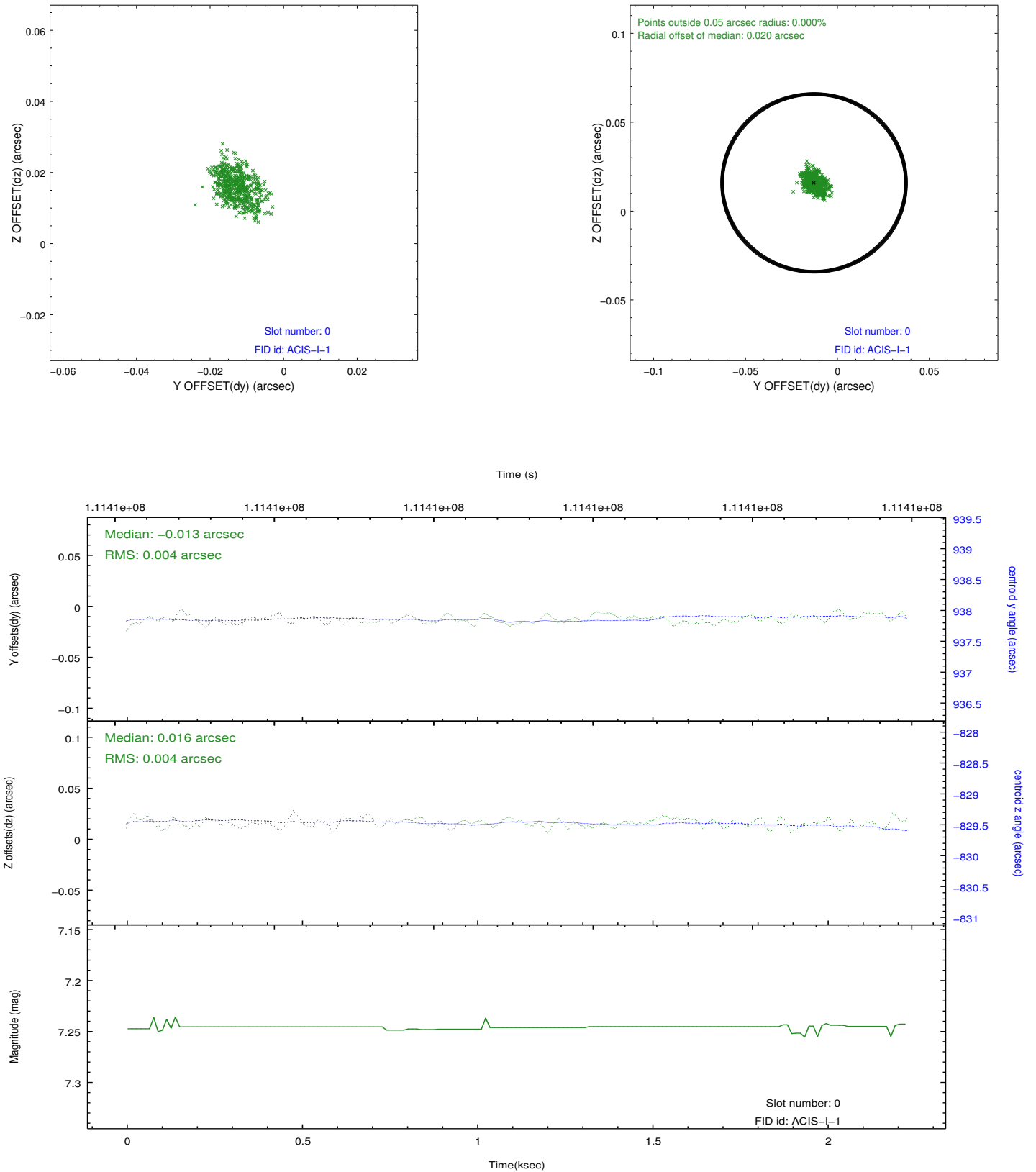


2.4.5 Slot 7

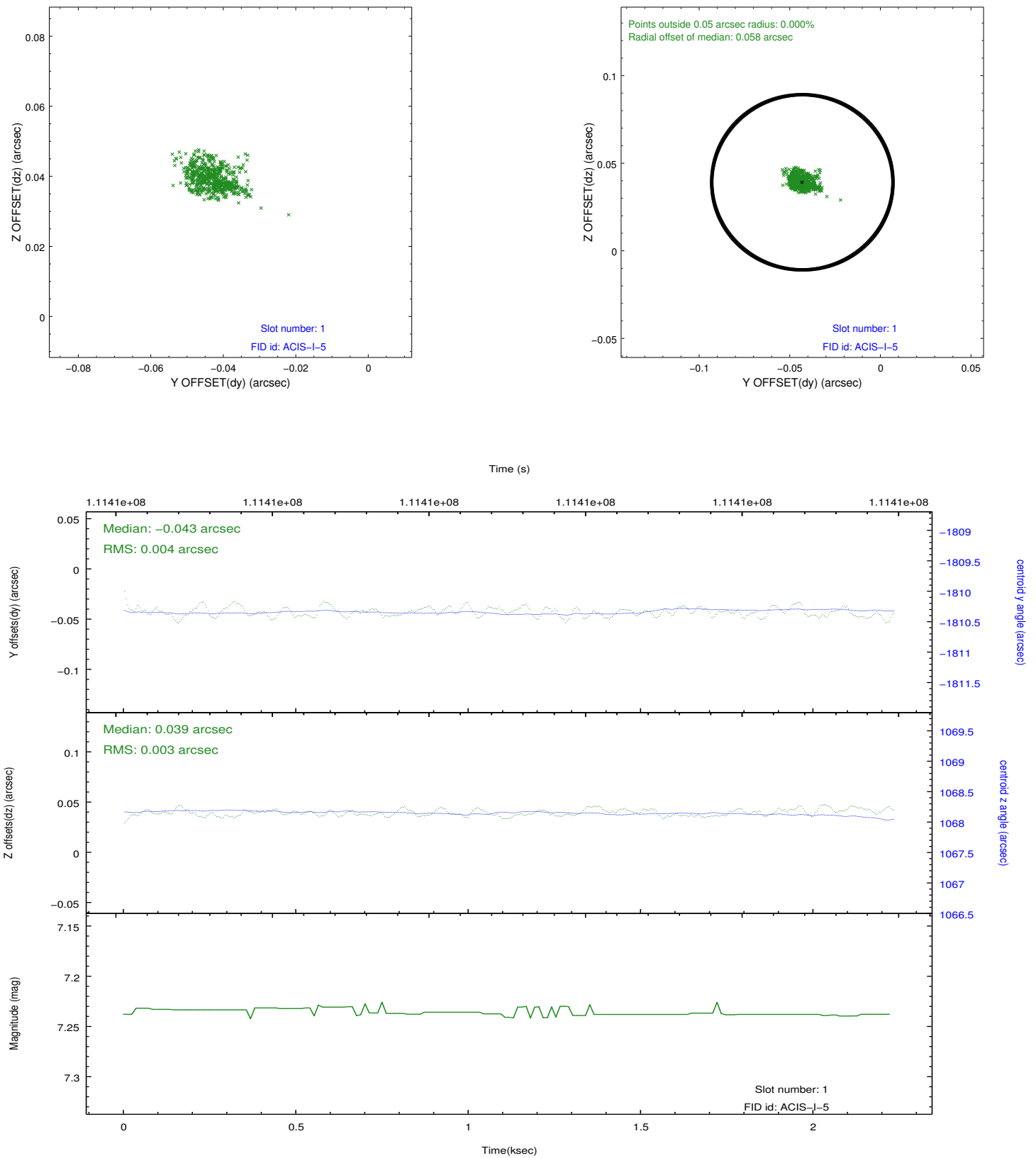


2.5 FID Slots

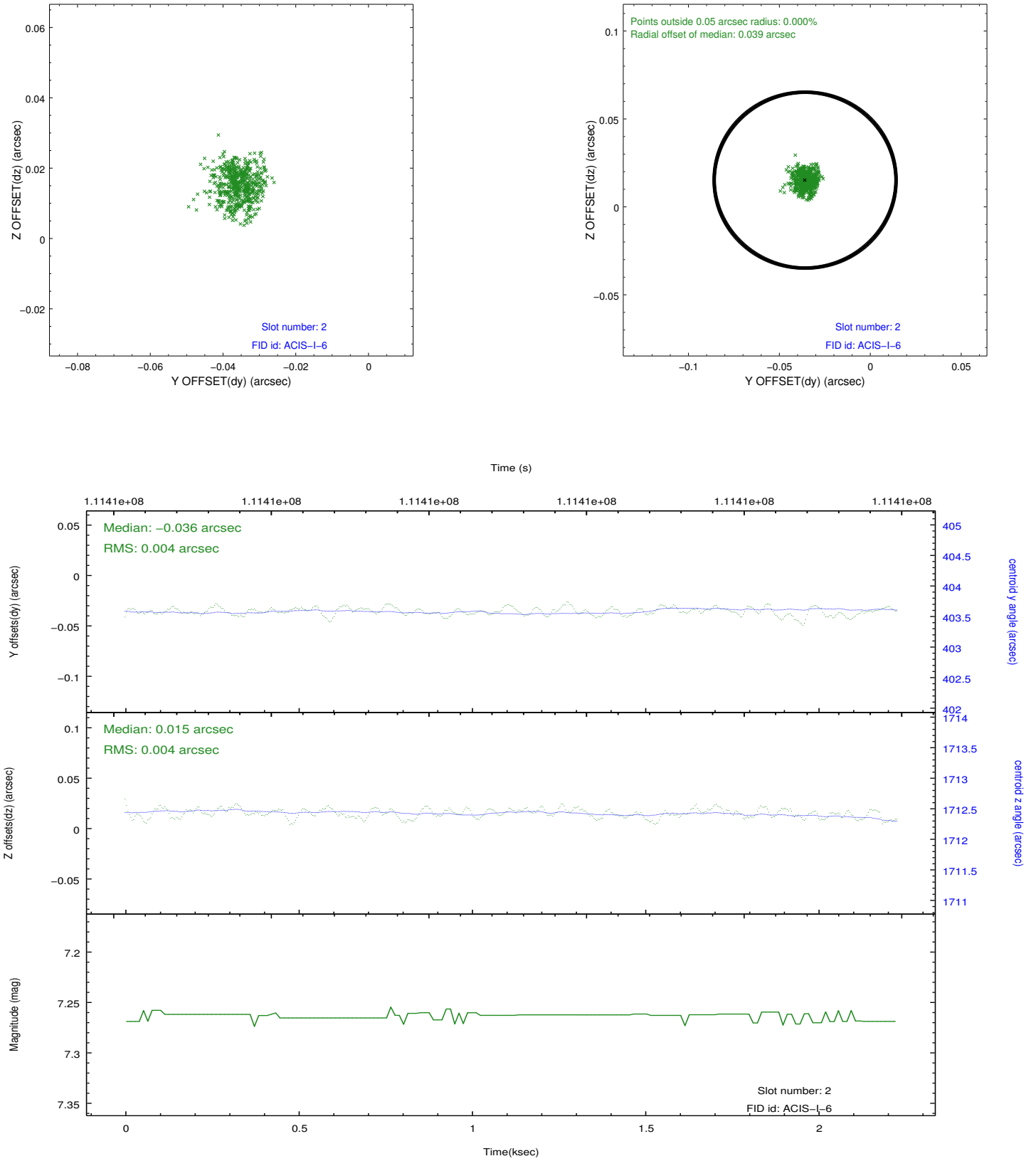
2.5.1 Slot 0



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)	2012.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.41

A.2 Comments

Window constraint met. 'Ontimes' listed are spurious except for ontime3 which correctly lists the accumulated exposure. the others are non-blank because the detnam is acis-012367 instead of acis-3.