

V&V Reference Report

L2 ASCDS Version : 10.5.4

Observation 19734 - L2 Version 1
Chandra X-Ray Center

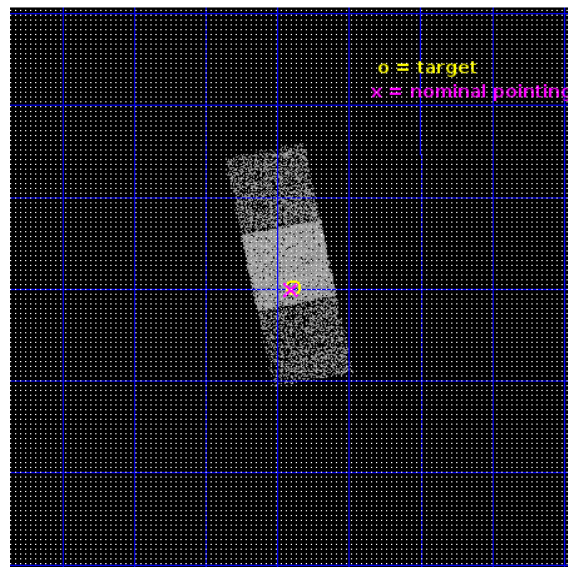
L2 Processing Date : Apr 19 2017

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1 Front

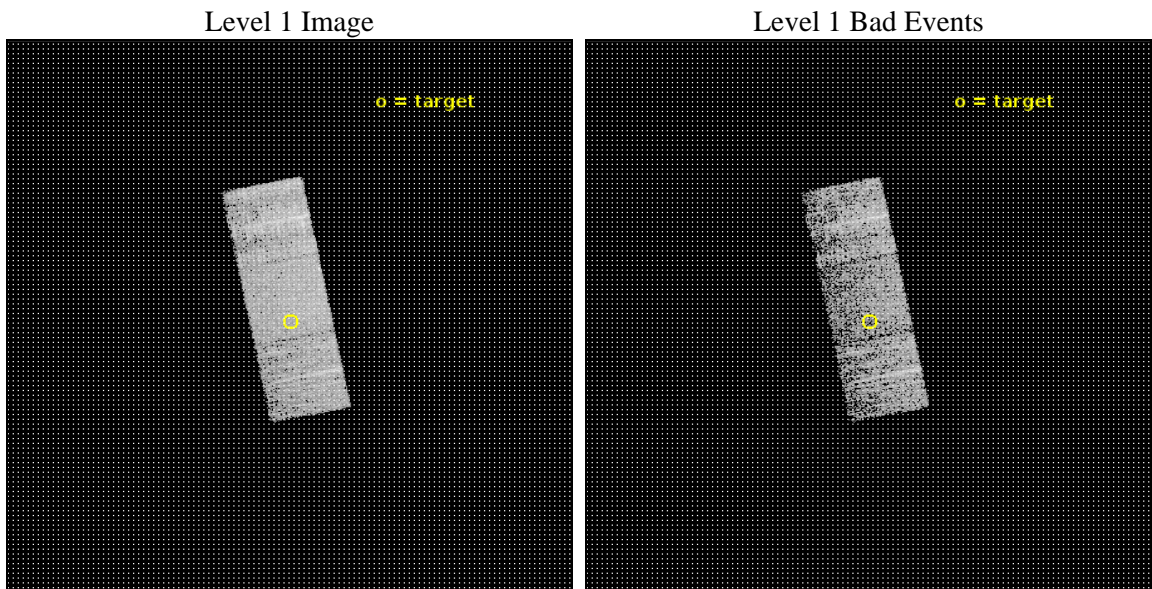
seq_num	703449	Sequence number
obs_id	19734	Observation id
title	A Chandra Snapshot Survey of Extraordinarily Luminous and Heavily Obscured Quasars from the WISE Survey	Proposal title
observer	Gordon Garmire	Principal investigator
object	W0831+0140	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	127.972083	Observer's specified target RA [deg]
dec_targ	1.669667	Observer's specified target Dec [deg]
ra_nom	127.97533555233	Nominal RA [deg]
dec_nom	1.6653450393845	Nominal Dec [deg]
roll_nom	258.39402451701	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3106.2000240088	Sum of GTIs [s]
livetime	3065.6152339439	Livetime [s]
ontime6	3106.2000240088	Sum of GTIs [s]
ontime7	3106.2000240088	Sum of GTIs [s]
ontime8	3106.2000240088	Sum of GTIs [s]
l2events	17401	Number of level 2 events



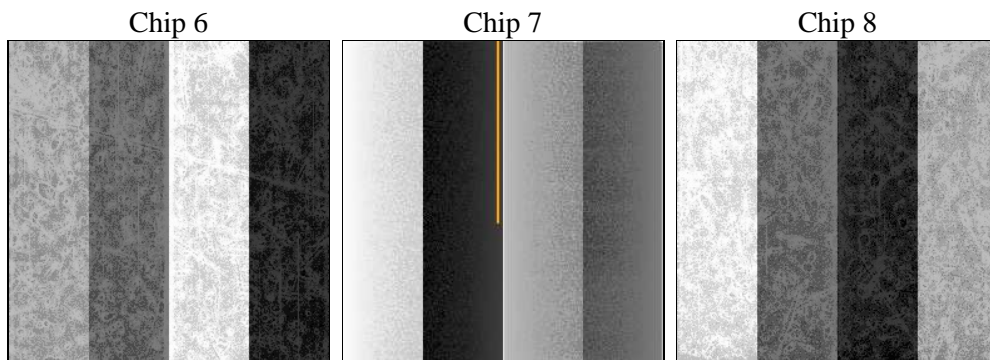
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.4	Processing system revision	ontime	3106.2000240088	Sum of GTIs [s]
caldbver	4.7.3	 	ontime6	3106.2000240088	Sum of GTIs [s]
date	2017-04-19T23:32:05	Date and time of file creation	ontime7	3106.2000240088	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	3106.2000240088	Sum of GTIs [s]
			l1events	82481	Number of level 1 events

2.1.4 Events

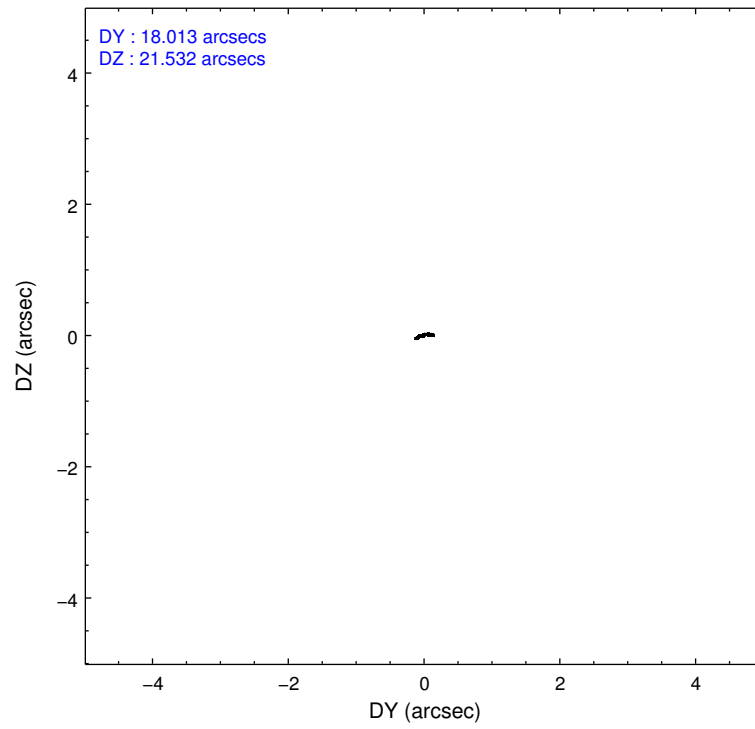
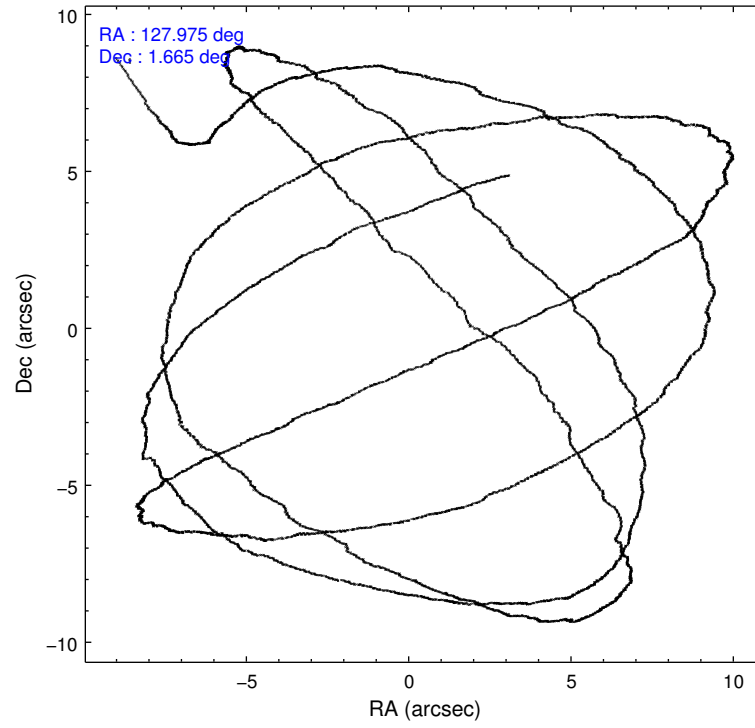
	ccd 6	ccd 7	ccd 8
level 1 events	22152	28827	31502
rejected events	19598	16110	22175
rejected %	88%	55%	70%

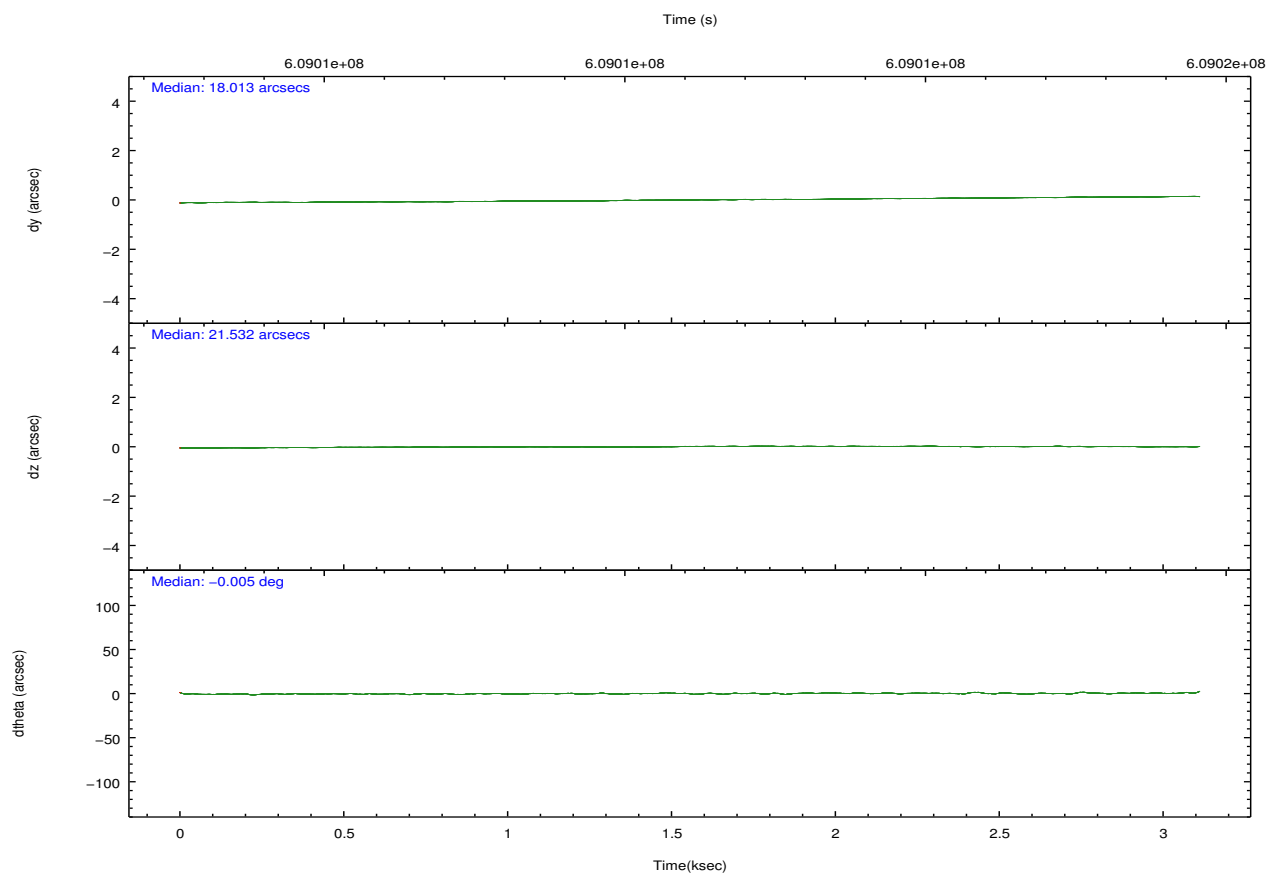
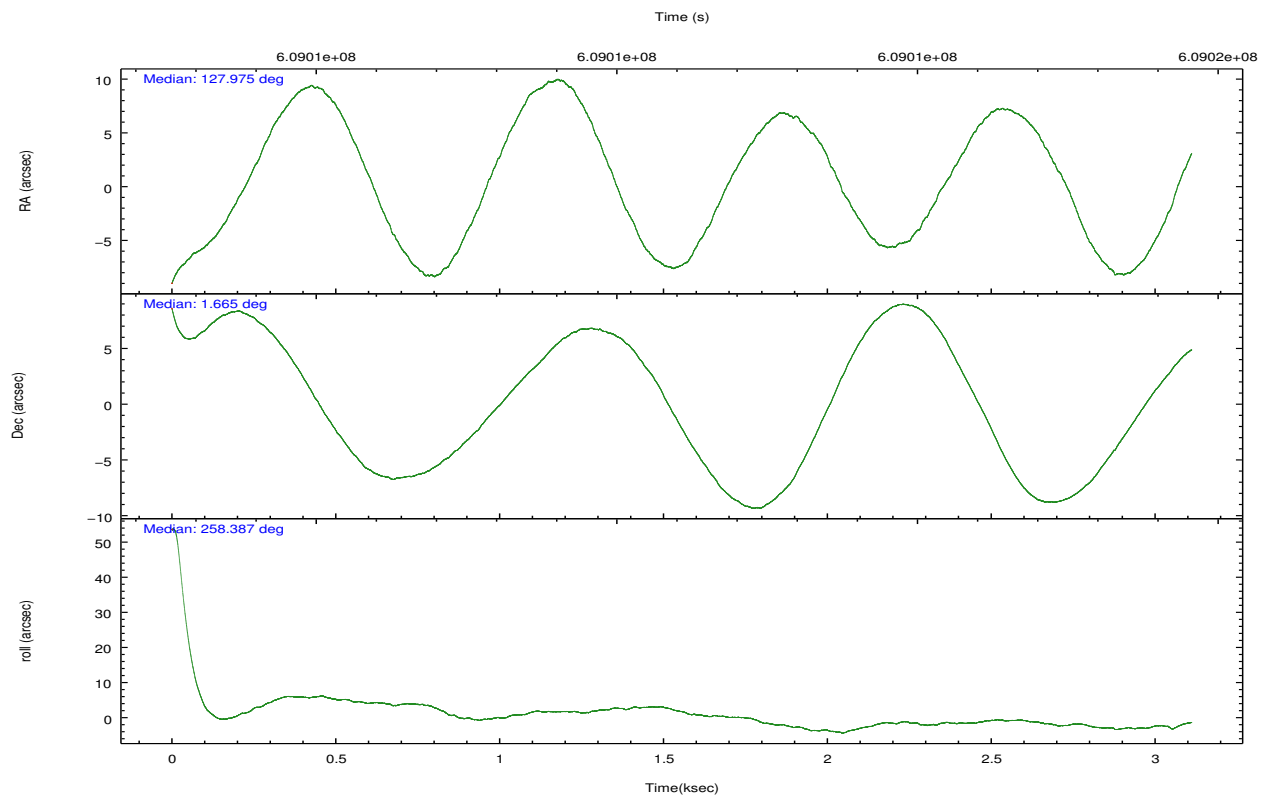
	ccd 6	ccd 7	ccd 8
grade 0 events	894	1110	2933
	4%	3%	9%
grade 1 events	10	43	21
	0%	0%	0%
grade 2 events	611	2717	2193
	2%	9%	6%
grade 3 events	252	985	1039
	1%	3%	3%
grade 4 events	239	1108	912
	1%	3%	2%
grade 5 events	1163	2860	1654
	5%	9%	5%
grade 6 events	567	6849	2280
	2%	23%	7%
grade 7 events	18416	13155	20470
	83%	45%	64%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-678	ACIS-678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	127.966455	127.9753355523315	Subarray requested	NONE	NONE
[deg] Pointing Dec	1.691183	1.665345039384523	Alternating exposures requested	N	N
[deg] Pointing Roll	258.237428	258.3940245170142	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	609011786.184000	609010287.80801			
Observation start date	2017-04-19T17:55:17	2017-04-19T17:31:27			
[s] Observation end time (MET)	609014786.184000	609015693.14582			
Observation end date	2017-04-19T18:45:17	2017-04-19T19:01:33			
Read mode	TIMED	TIMED			

2.3 Aspect



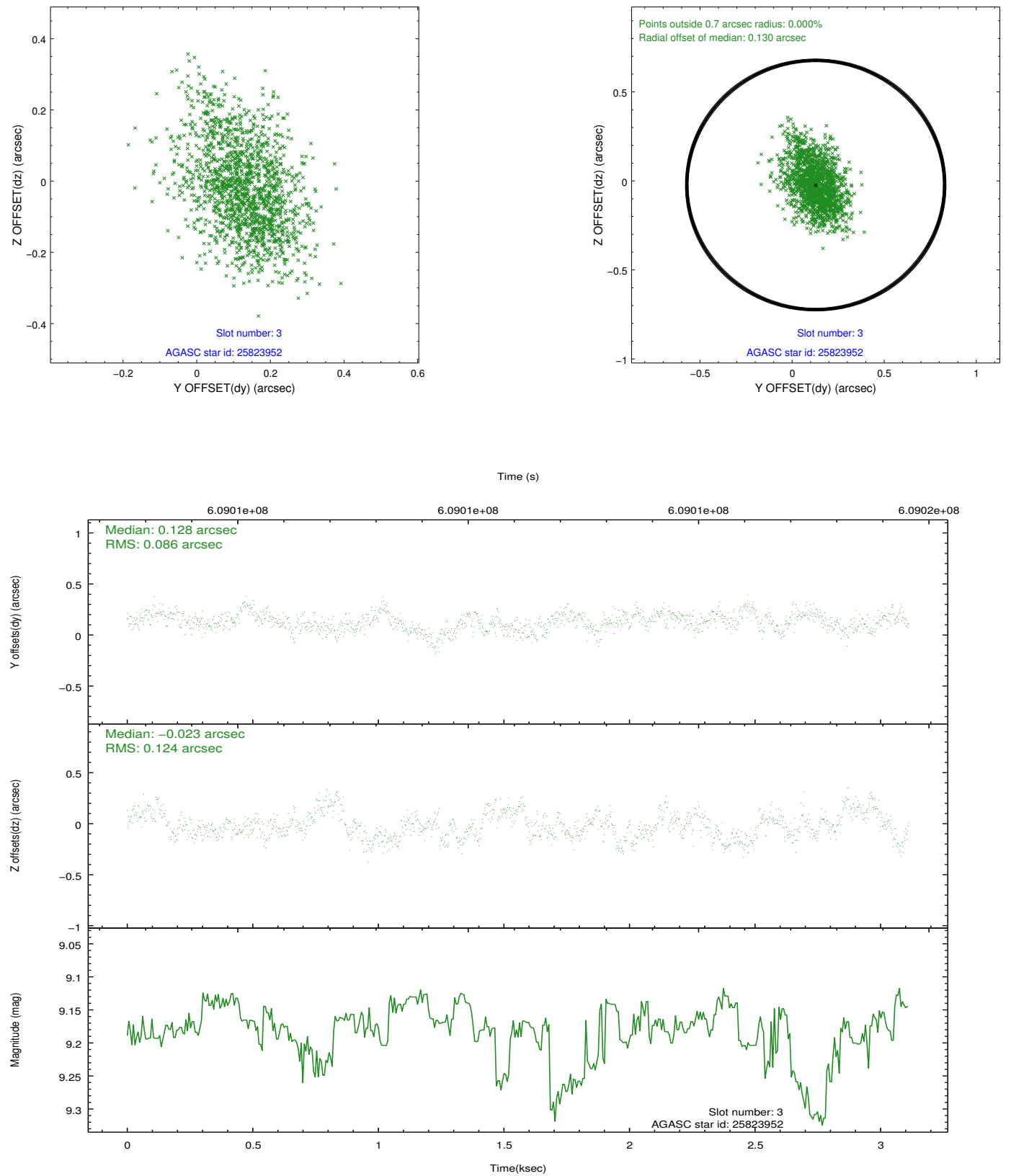


Slot Statistics

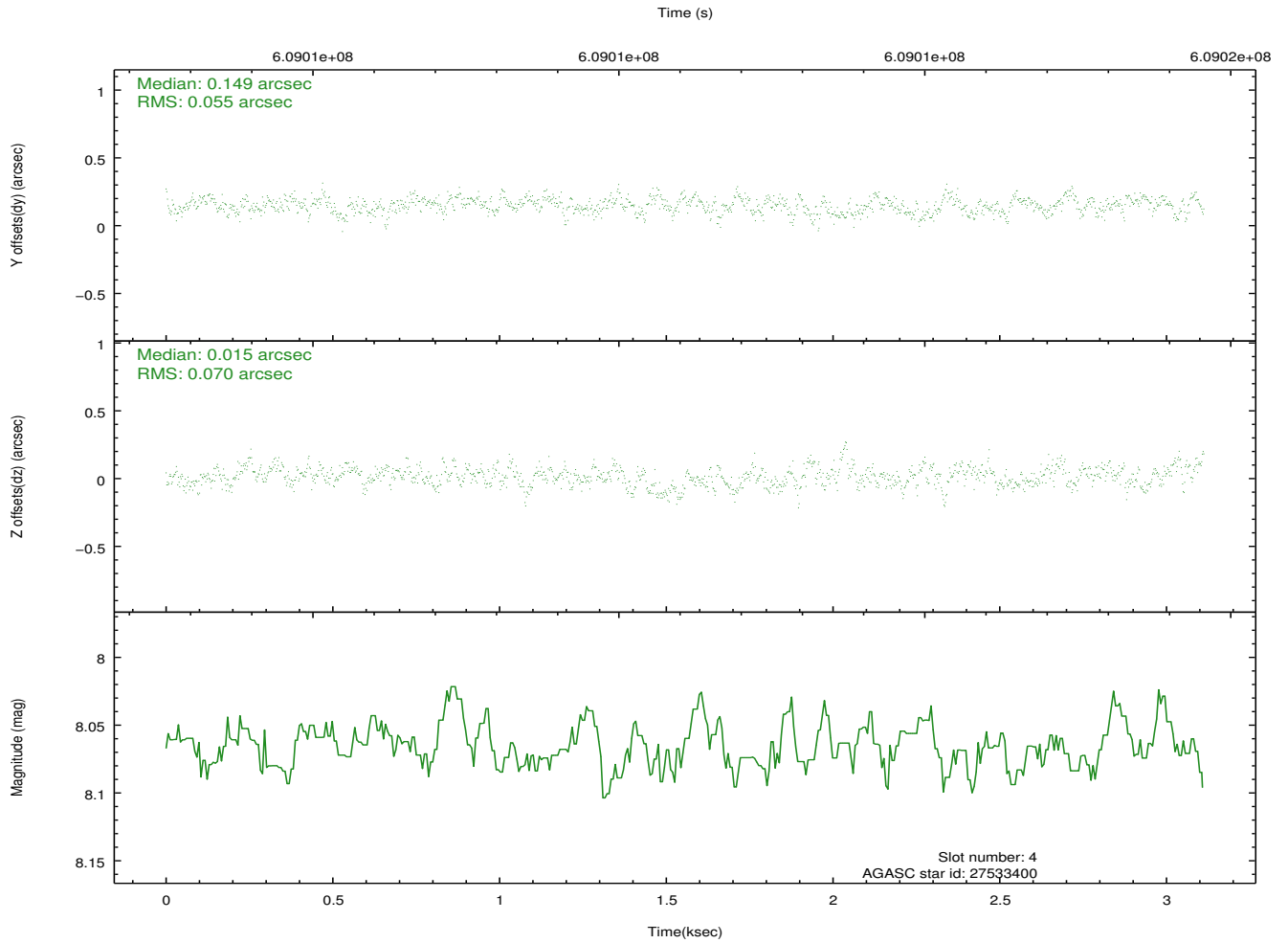
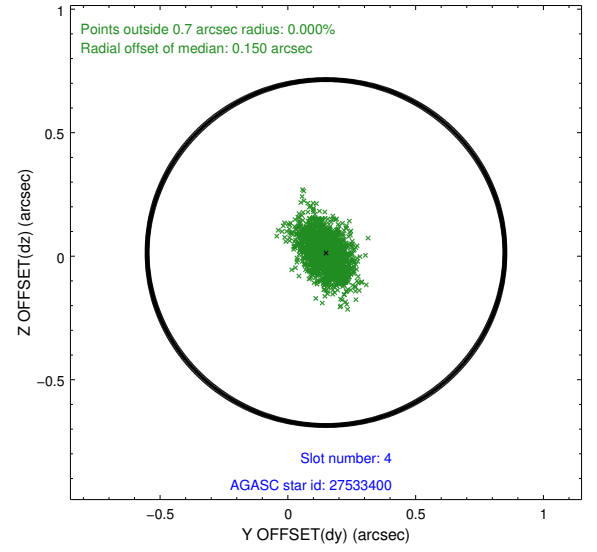
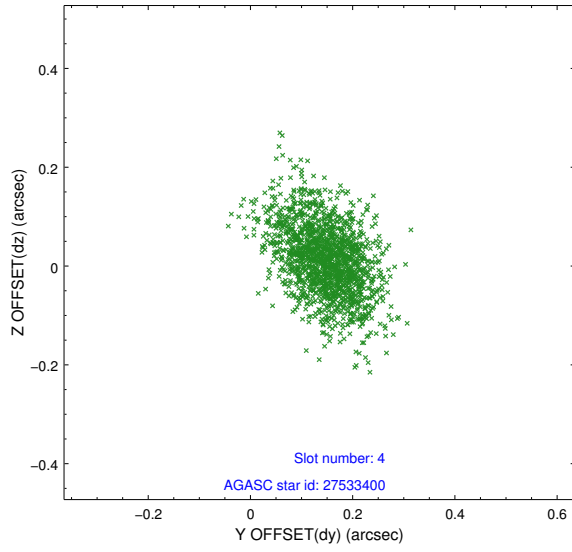
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.03	760	-0.202	-0.135	0.007	0.012	0.000000	0.000000	-771.25	-1743.17
1	FID		ACIS-S-4	7.14	760	0.496	0.134	0.006	0.010	0.000000	0.000000	2141.76	163.47
2	FID		ACIS-S-5	7.14	760	-0.324	0.010	0.006	0.011	0.000000	0.000000	-1821.62	159.31
3	GUIDE	used	25823952	9.18	1516	0.128	-0.023	0.159	0.267	127.338610	1.548164	965.50	-2105.98
4	GUIDE	used	27533400	8.07	1519	0.149	0.015	0.093	0.157	127.760712	1.337312	1399.84	-466.30
5	GUIDE	used	27534336	8.12	1519	-0.124	-0.225	0.088	0.149	128.276917	1.229416	1400.88	1433.31
6	GUIDE	used	28049800	8.79	1518	0.048	0.107	0.112	0.186	128.563654	2.124772	-1965.11	1786.80
7	GUIDE	used	28053672	8.94	1518	-0.202	0.122	0.120	0.206	128.580377	2.166443	-2126.03	1815.67

2.4 Star Slots

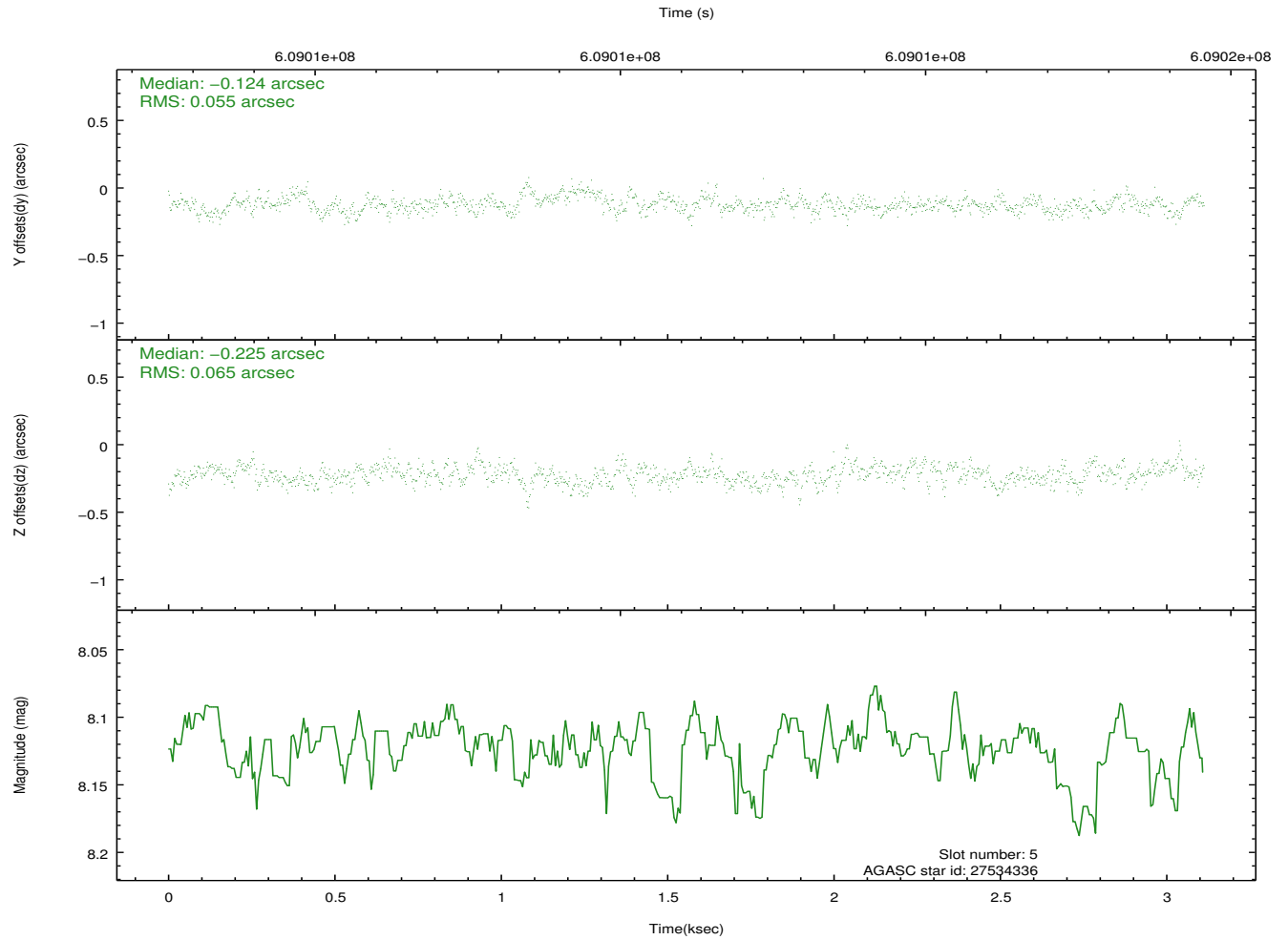
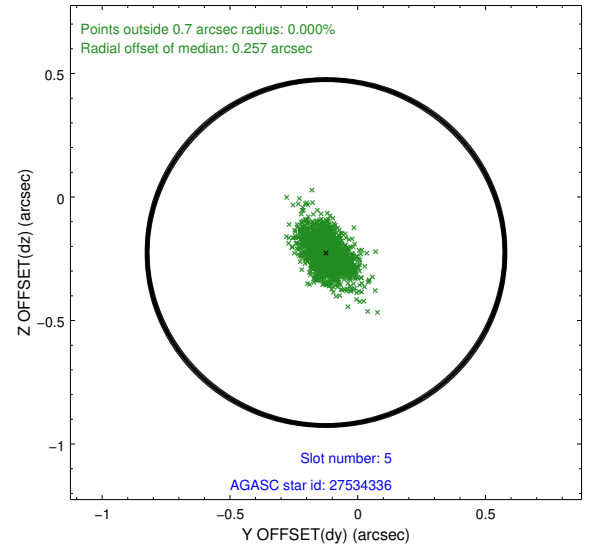
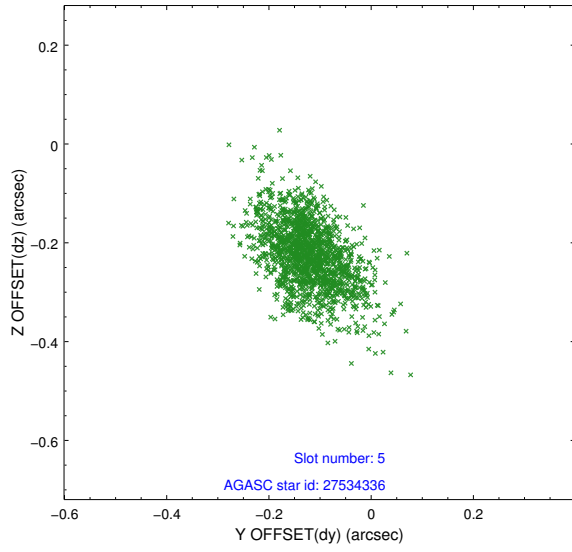
2.4.1 Slot 3



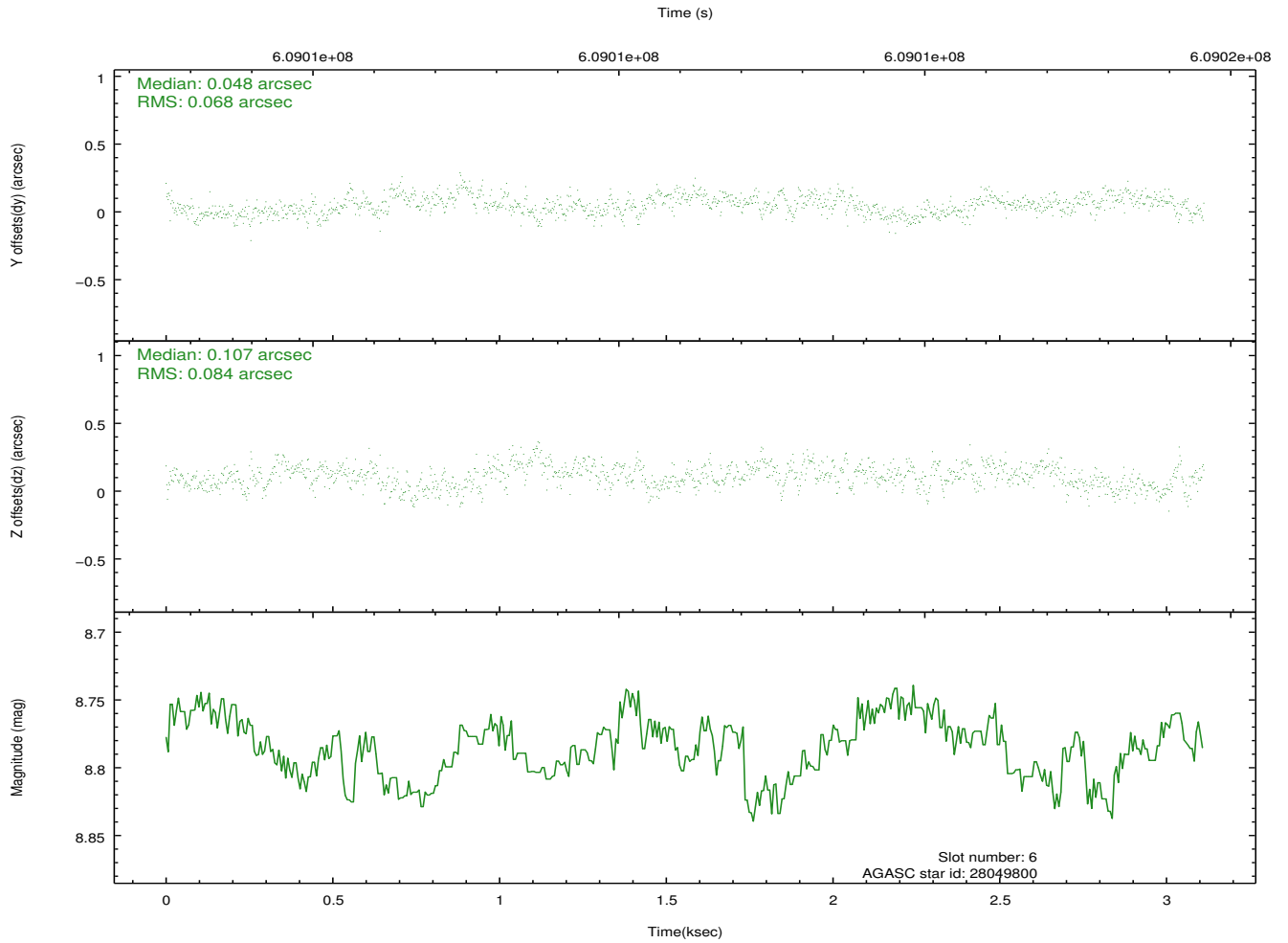
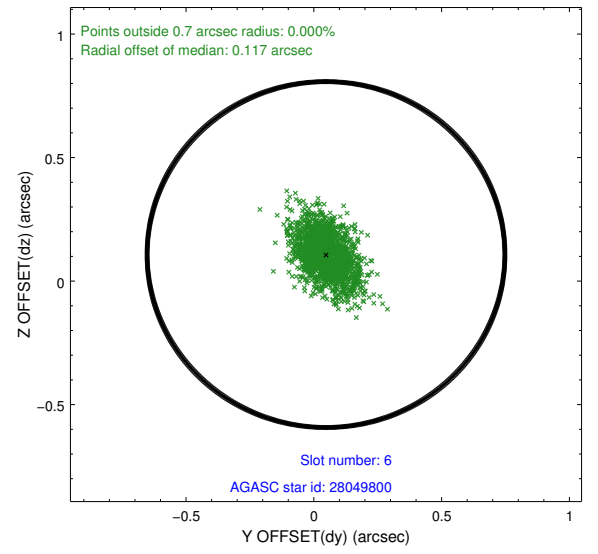
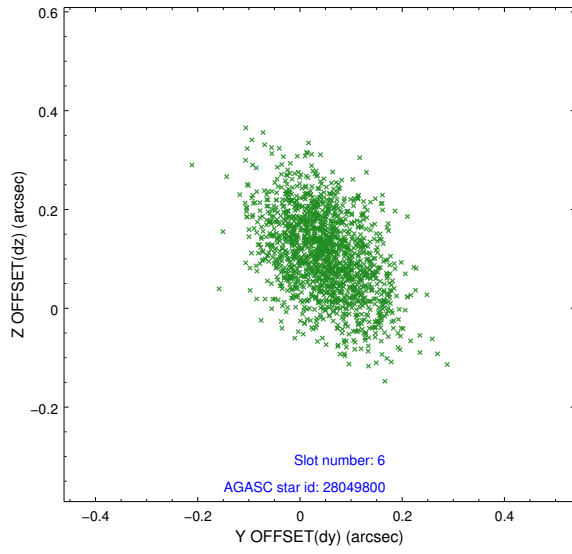
2.4.2 Slot 4



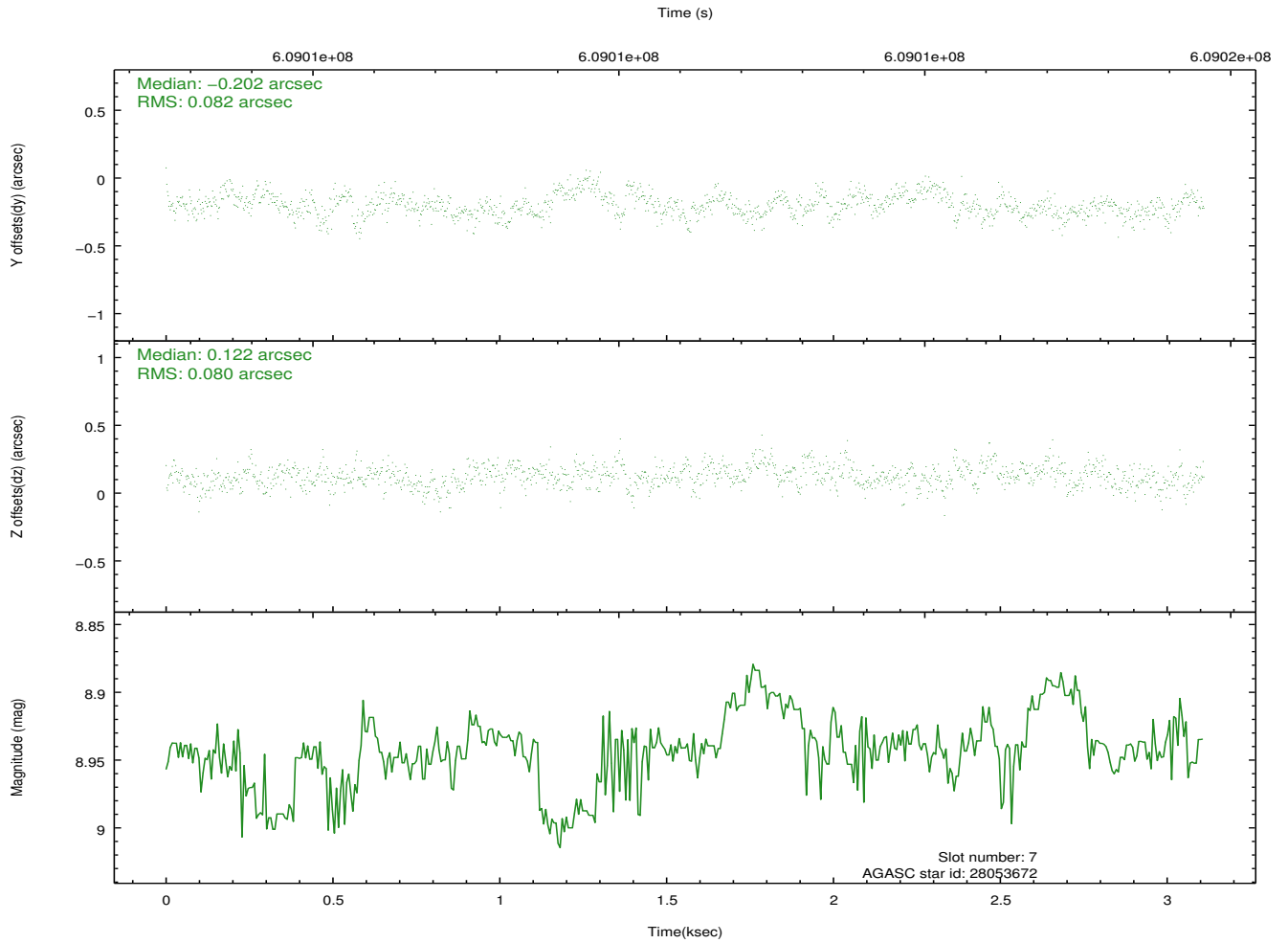
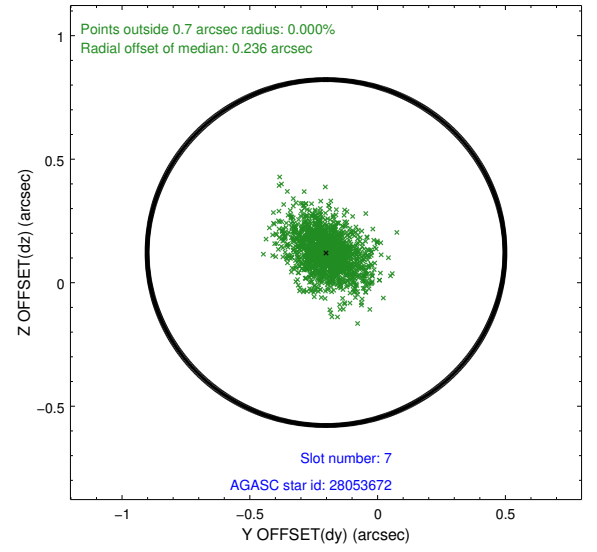
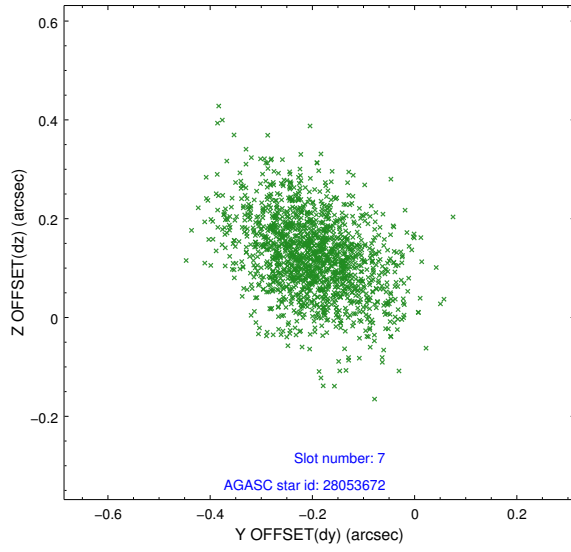
2.4.3 Slot 5



2.4.4 Slot 6

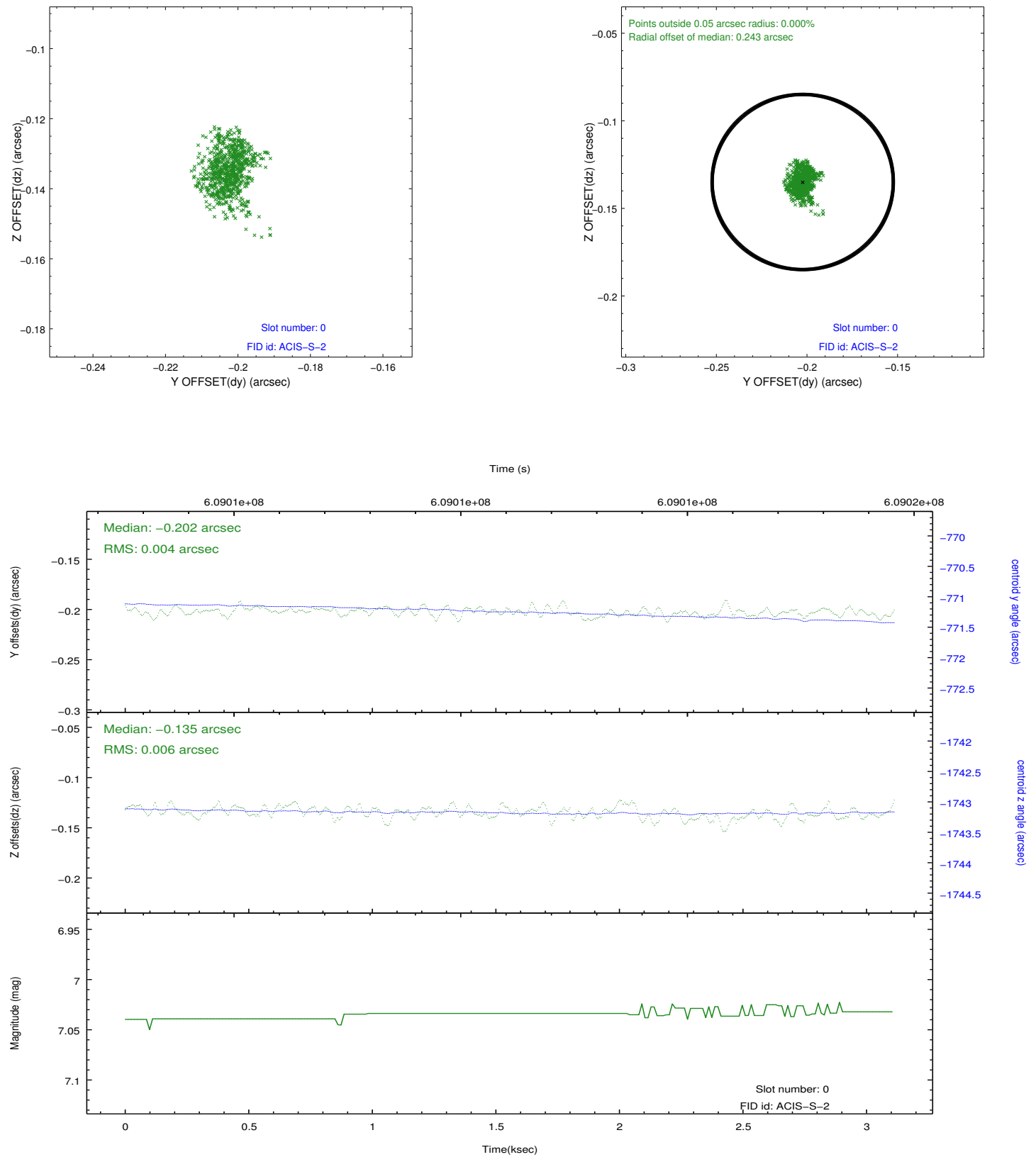


2.4.5 Slot 7

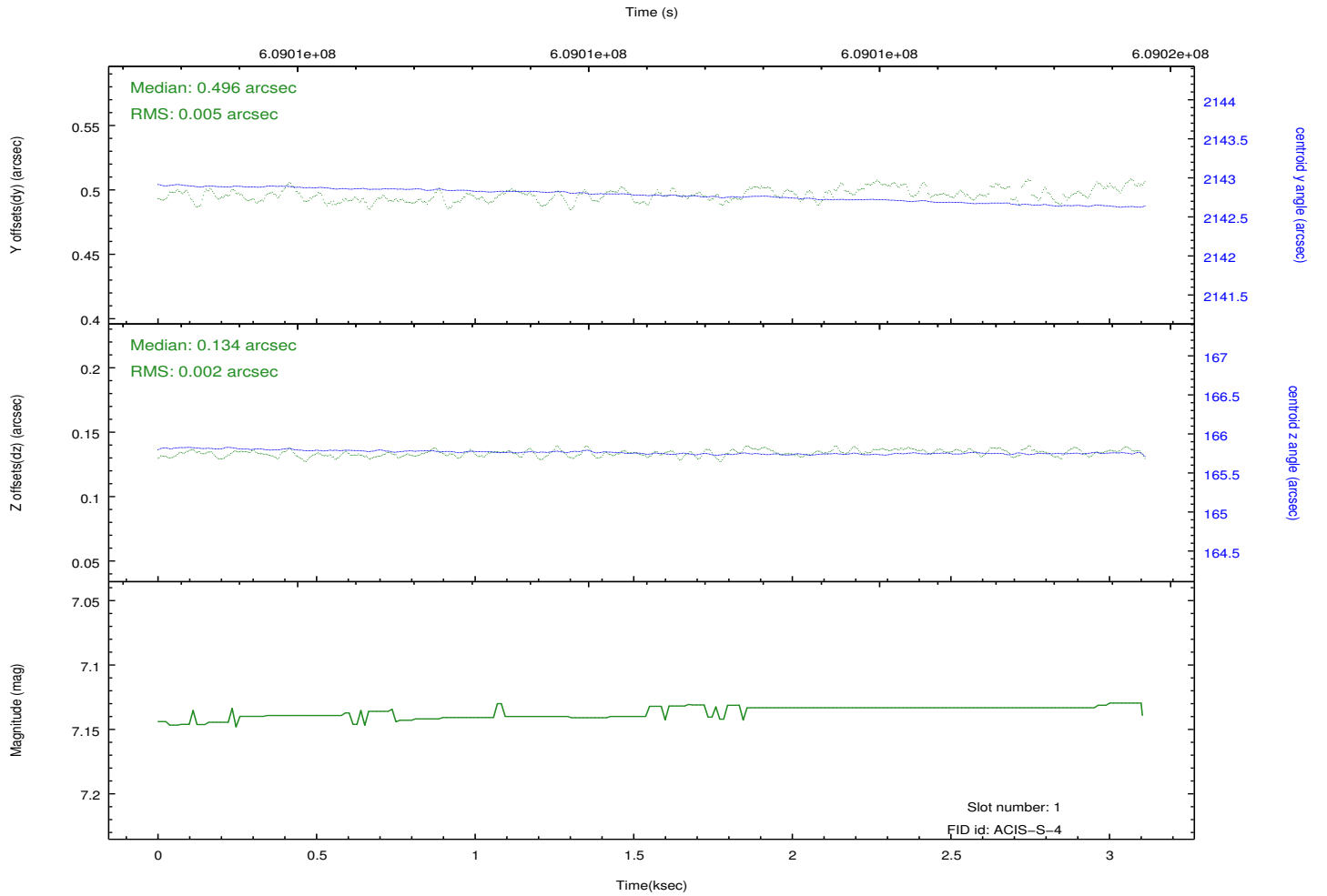
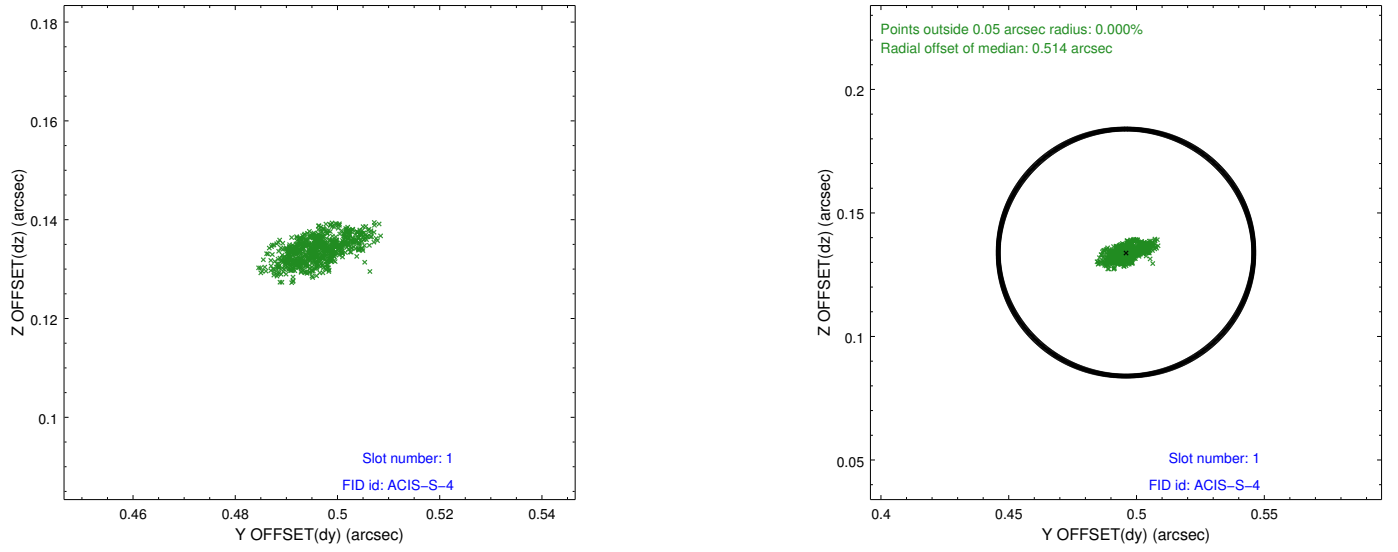


2.5 FID Slots

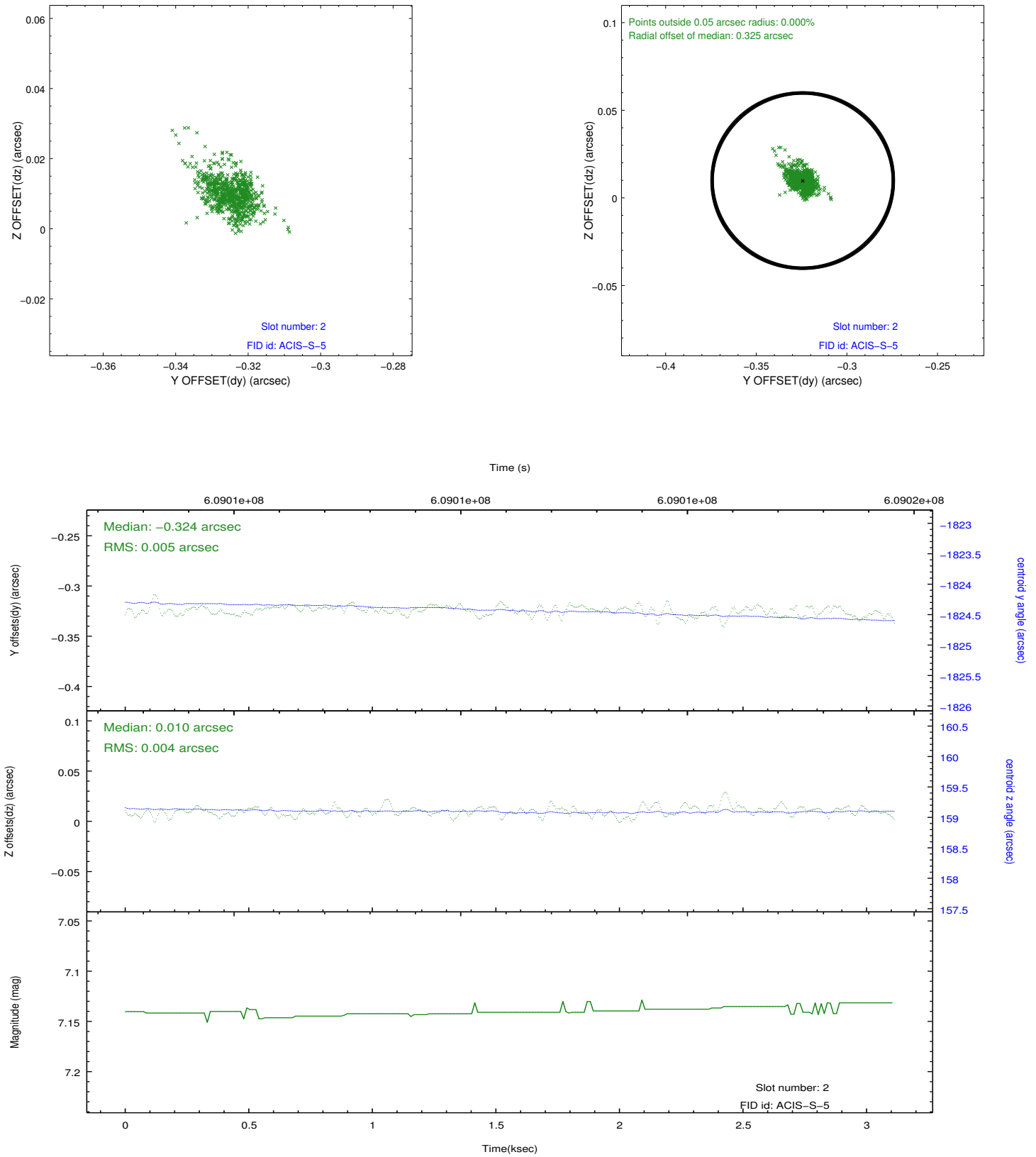
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2017.04.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1062000240088

A.2 Comments