

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7779 - L2 Version 3
Chandra X-Ray Center

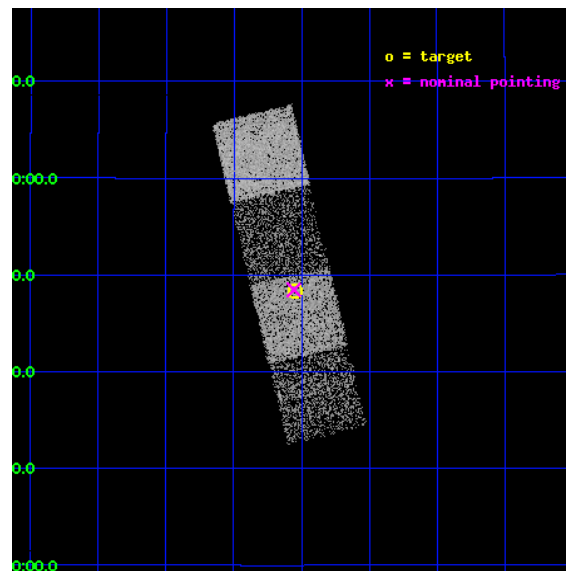
L2 Processing Date : Apr 16 2012

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

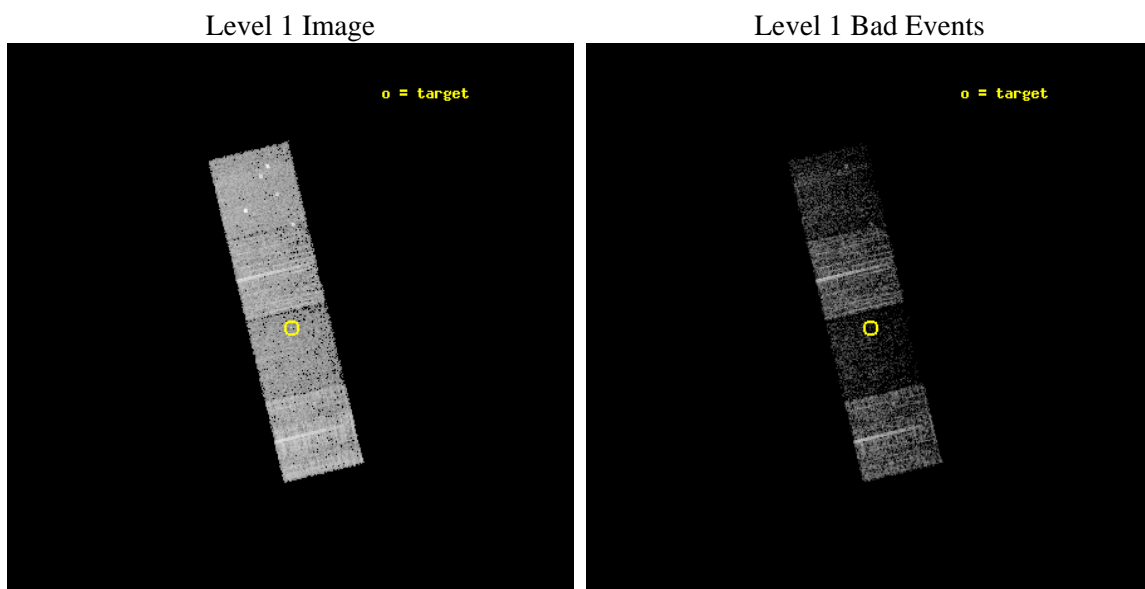
seq_num	701447	Sequence number
obs_id	7779	Observation id
title	An Exploratory Chandra Survey of Weak-Line Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. William Brandt	Principal investigator
object	SDSS J0928+1848	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	142.137083	Observer's specified target RA [deg]
dec_targ	18.806778	Observer's specified target Dec [deg]
ra_nom	142.13909717153	Nominal RA [deg]
dec_nom	18.807774268463	Nominal Dec [deg]
roll_nom	76.580247106602	Nominal Roll [deg]
revision	3	Processing version of data
ontime	4030.0000309944	Sum of GTIs [s]
livetime	3977.3451137466	Livetime [s]
ontime5	4030.0000309944	Sum of GTIs [s]
ontime6	4029.9777334929	Sum of GTIs [s]
ontime7	4030.0000309944	Sum of GTIs [s]
ontime8	4029.9366934896	Sum of GTIs [s]
l2events	24466	Number of level 2 events



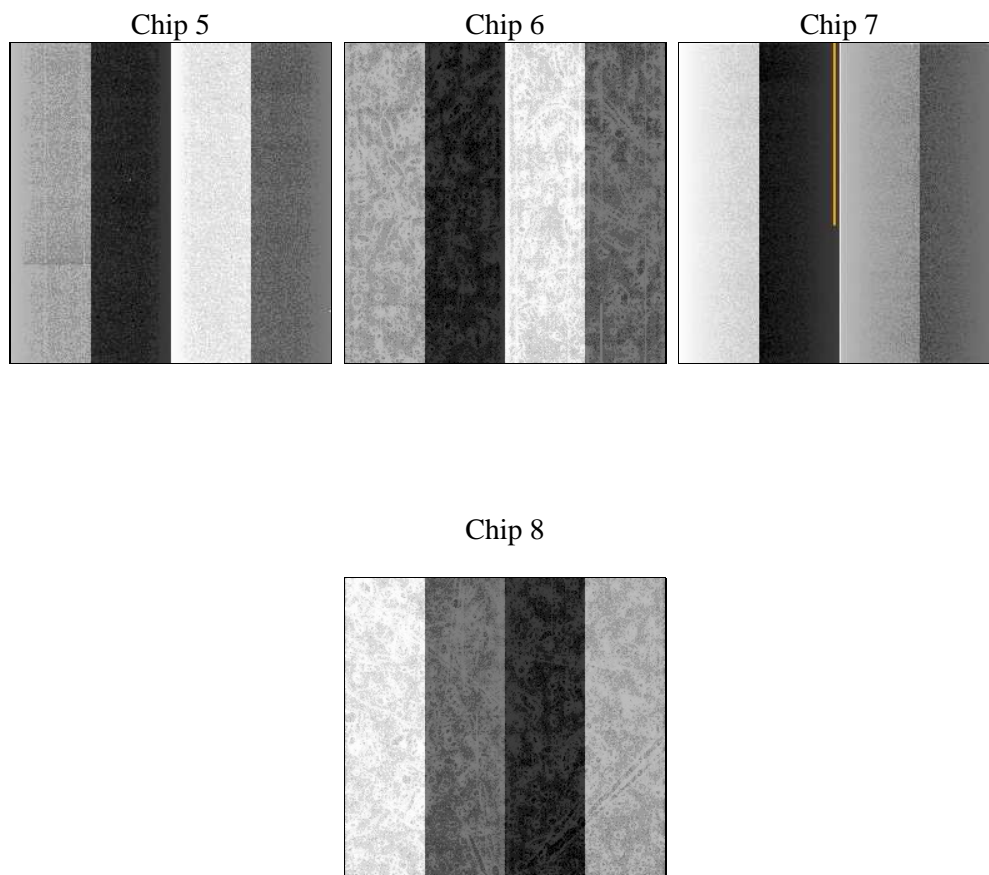
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	4030.0000309944	Sum of GTIs [s]
caldsver	4.4.9	 	ontime5	4030.0000309944	Sum of GTIs [s]
date	2012-04-16T13:20:09	Date and time of file creation	ontime6	4029.9777334929	Sum of GTIs [s]
revision	3	Processing version of data	ontime7	4030.0000309944	Sum of GTIs [s]
			ontime8	4029.9366934896	Sum of GTIs [s]
			l1events	92802	Number of level 1 events

2.1.4 Events

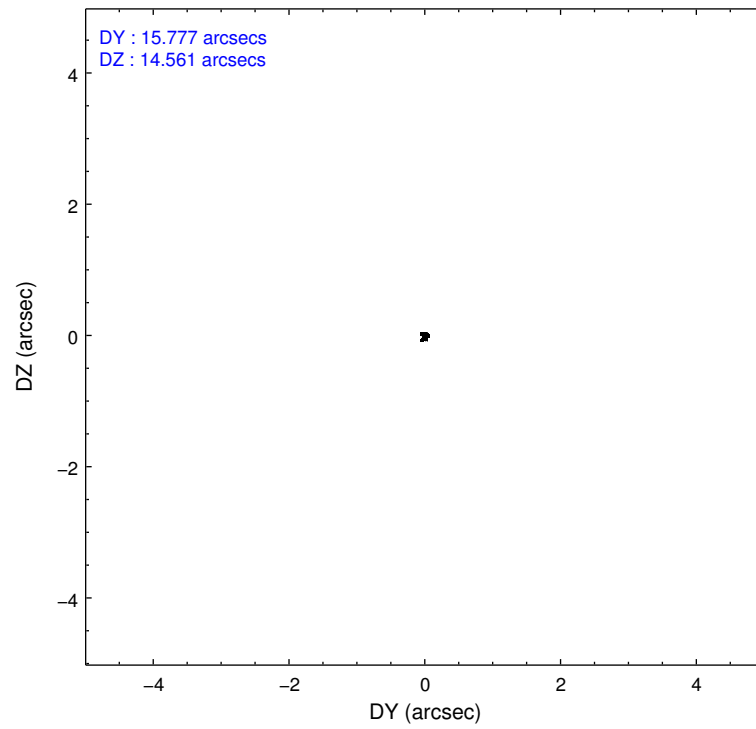
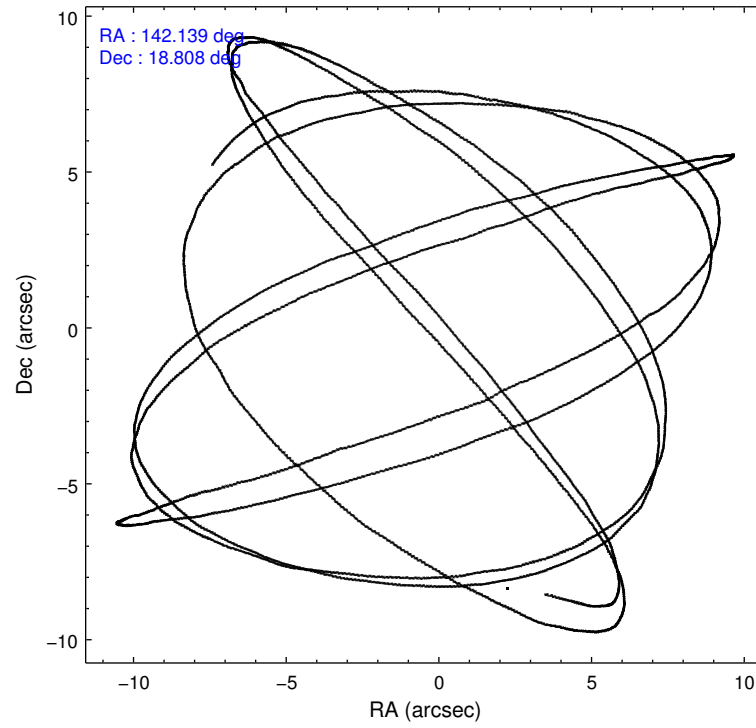
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	22720	24918	14504	30660
rejected events	8464	22546	6031	22561
rejected %	37%	90%	41%	73%

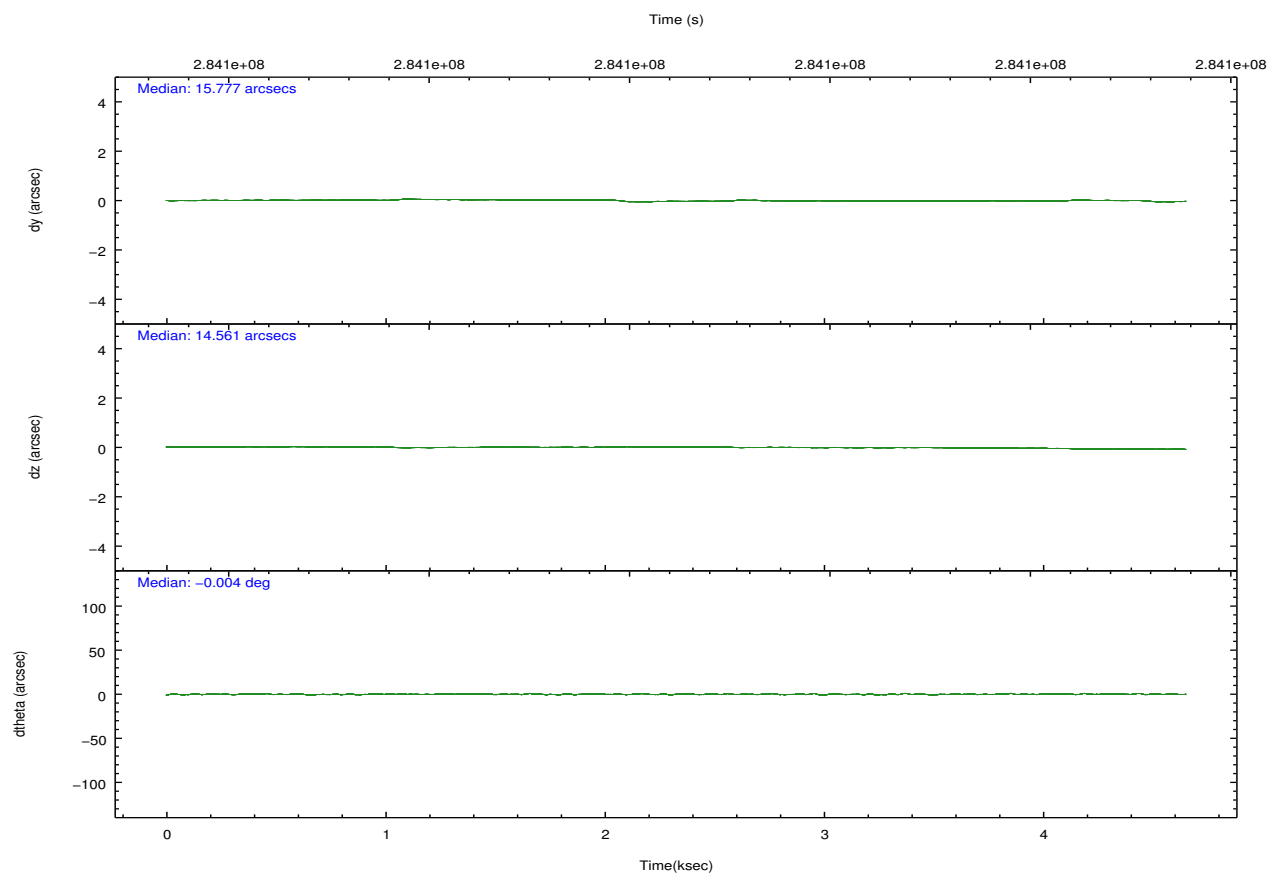
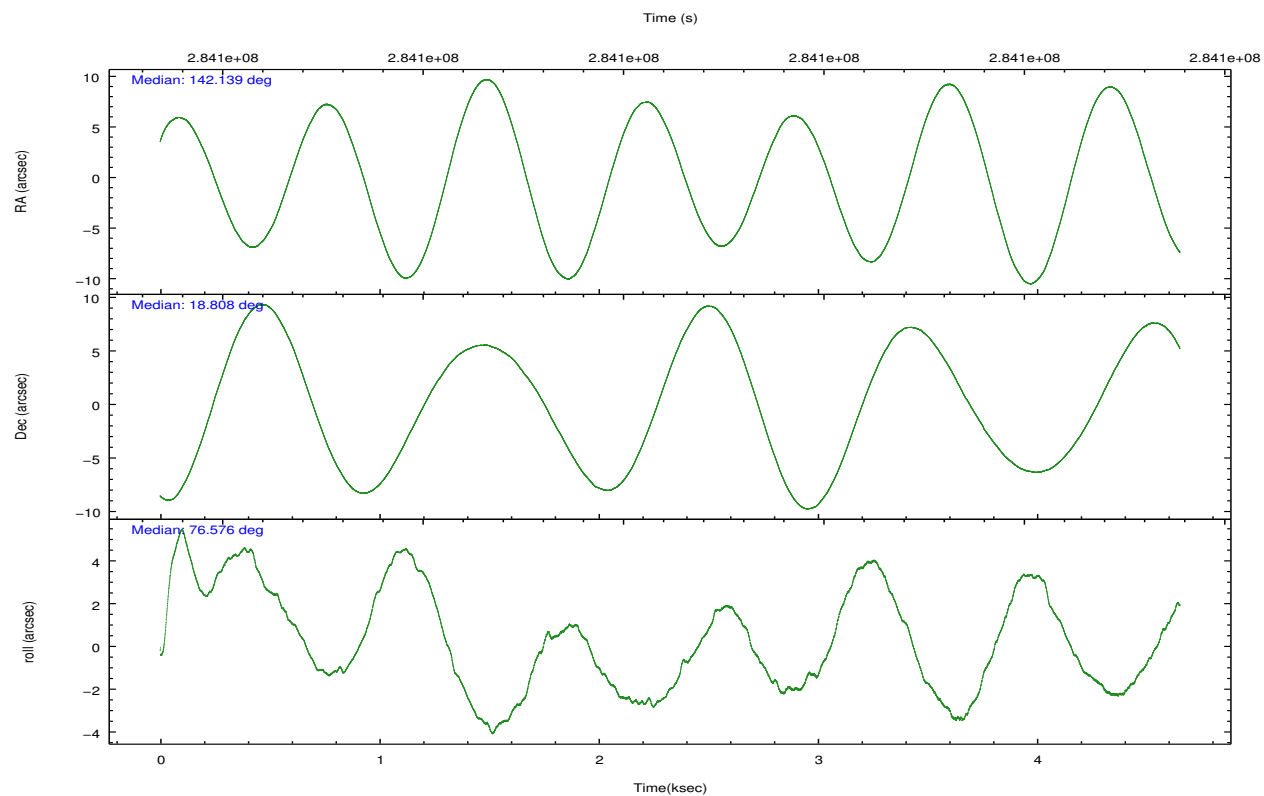
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	2716	967	1163	2112
	11%	3%	8%	6%
grade 1 events	121	13	41	19
	0%	0%	0%	0%
grade 2 events	4265	504	2020	1879
	18%	2%	13%	6%
grade 3 events	721	262	905	917
	3%	1%	6%	2%
grade 4 events	700	268	844	883
	3%	1%	5%	2%
grade 5 events	1783	472	1494	870
	7%	1%	10%	2%
grade 6 events	5876	375	3551	2339
	25%	1%	24%	7%
grade 7 events	6538	22057	4486	21641
	28%	88%	30%	70%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	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	142.147690	142.1390971715268	Subarray requested	NONE	NONE
[deg] Pointing Dec	18.781605	18.80777426846301	Alternating exposures requested	N	N
[deg] Pointing Roll	76.420843	76.5802471066024	[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)	284095562.184000	284094458.83473			
Observation start date	2007-01-02T03:24:57	2007-01-02T03:07:38			
[s] Observation end time (MET)	284099562.184000	284100031.24749			
Observation end date	2007-01-02T04:31:37	2007-01-02T04:40:31			
Read mode	TIMED	TIMED			

2.3 Aspect



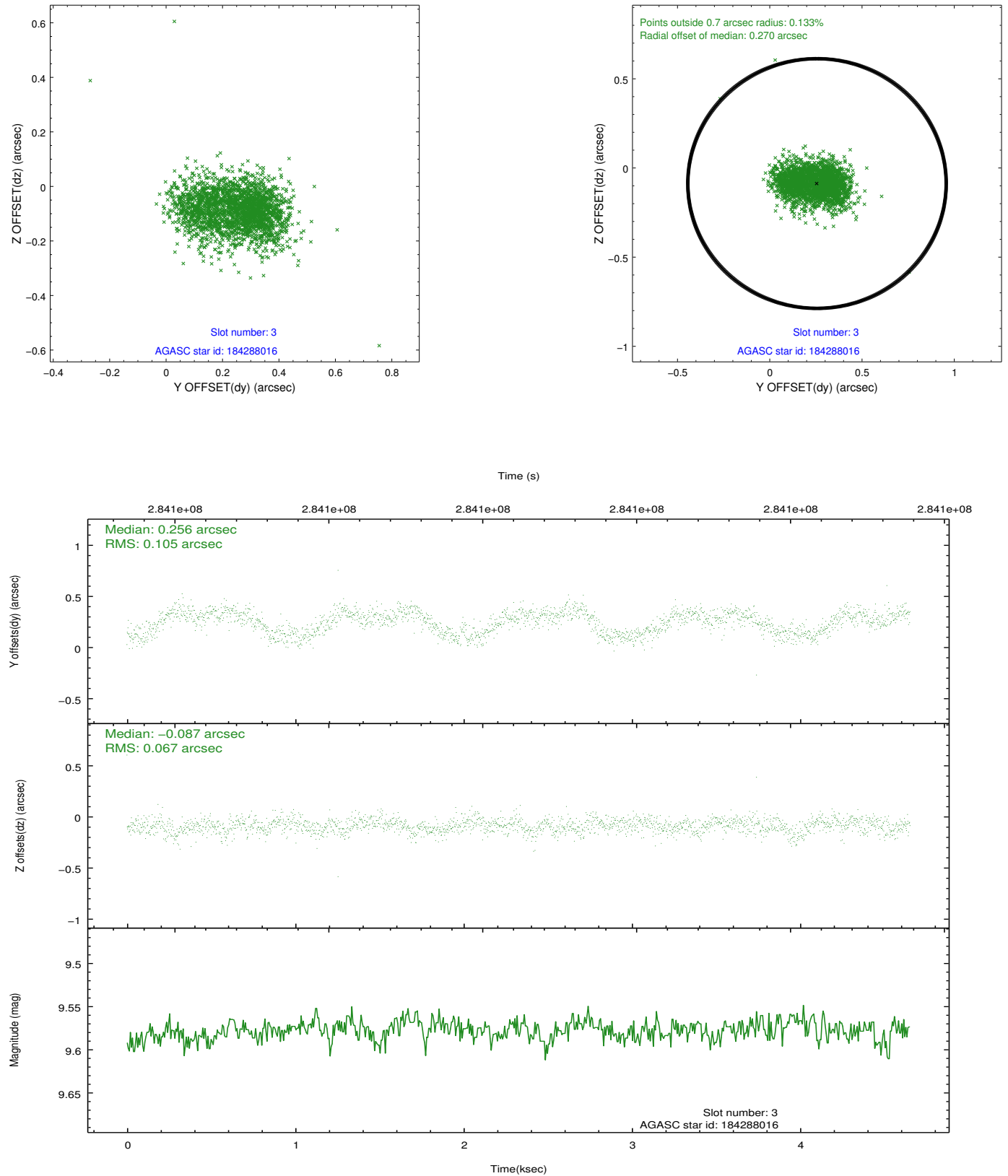


Slot Statistics

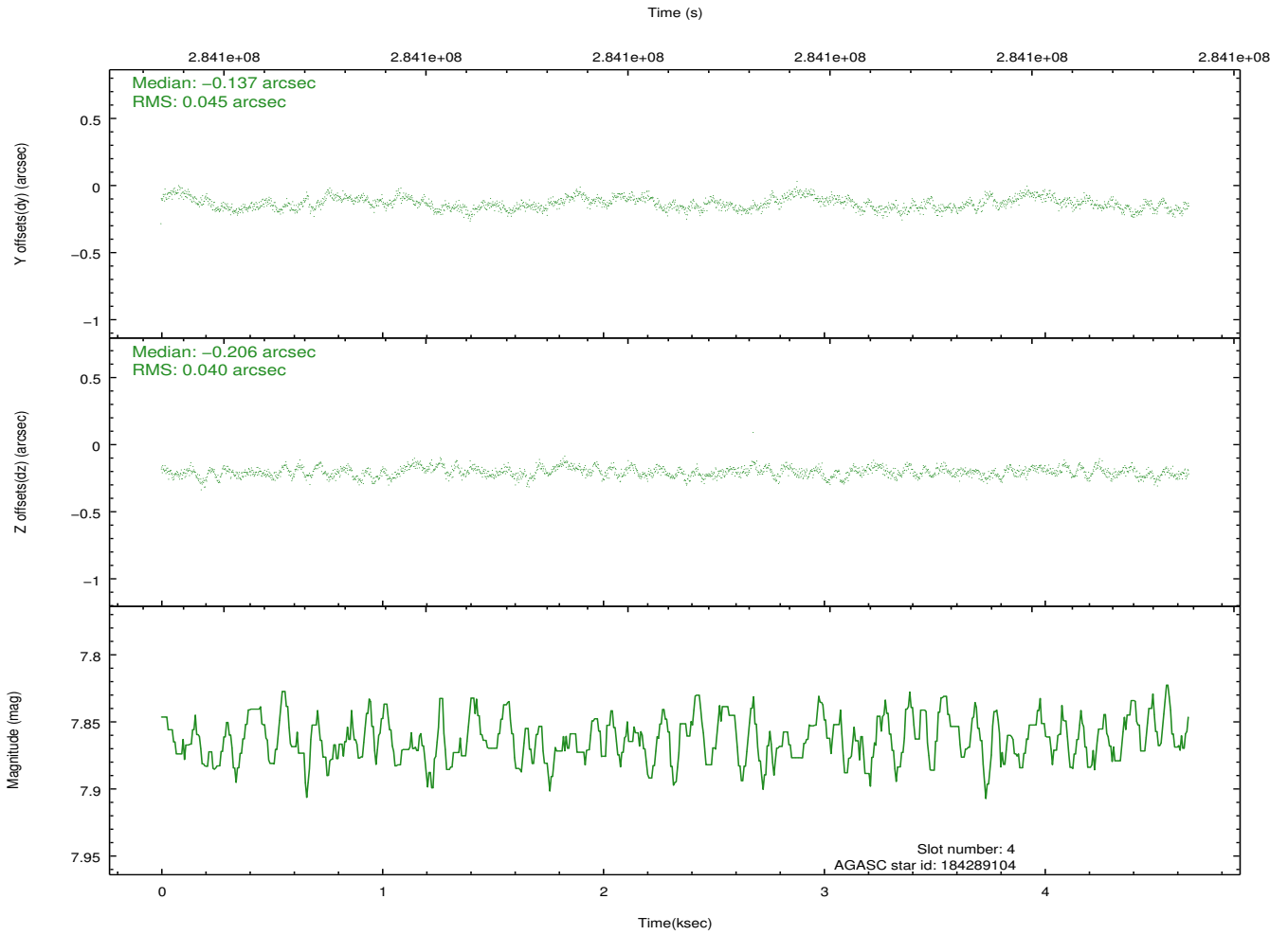
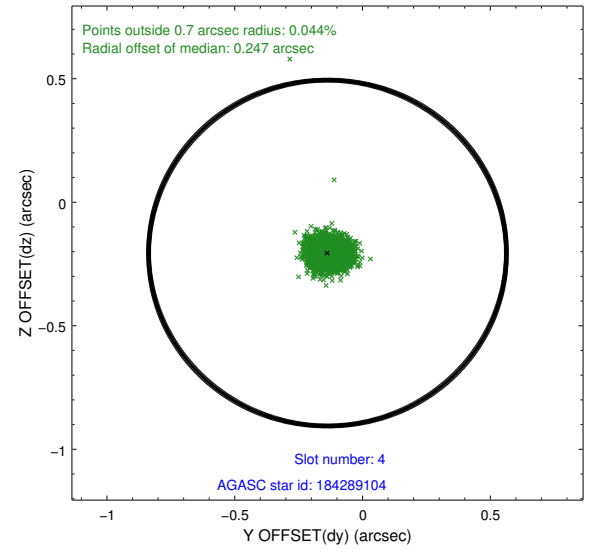
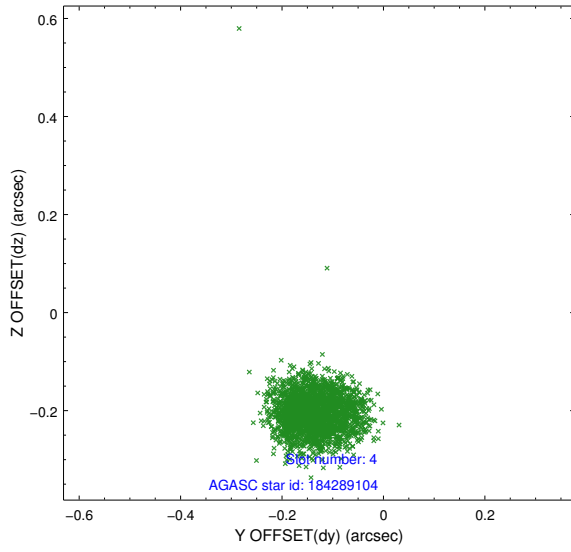
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	1135	-0.109	-0.053	0.006	0.011	0.000000	0.000000	-768.88	-1735.92
1	FID	ACIS-S-4	7.20	1135	0.222	0.067	0.005	0.011	0.000000	0.000000	2144.12	171.31
2	FID	ACIS-S-5	7.23	1135	-0.144	-0.005	0.006	0.011	0.000000	0.000000	-1820.06	166.41
3	GUIDE	184288016	9.58	2264	0.256	-0.087	0.132	0.211	141.774738	18.231510	-2223.84	776.00
4	GUIDE	184289104	7.86	2271	-0.137	-0.206	0.062	0.098	141.643555	19.059936	572.33	1903.84
5	GUIDE	184291584	9.76	2268	0.026	0.386	0.128	0.211	142.708818	18.252370	-1400.05	-2311.81
6	GUIDE	184296288	7.43	2271	-0.256	0.138	0.048	0.077	142.458686	19.099404	1360.38	-760.10
7	GUIDE	184297112	9.58	2265	0.121	-0.225	0.113	0.173	141.795551	18.314152	-1916.68	774.59

2.4 Star Slots

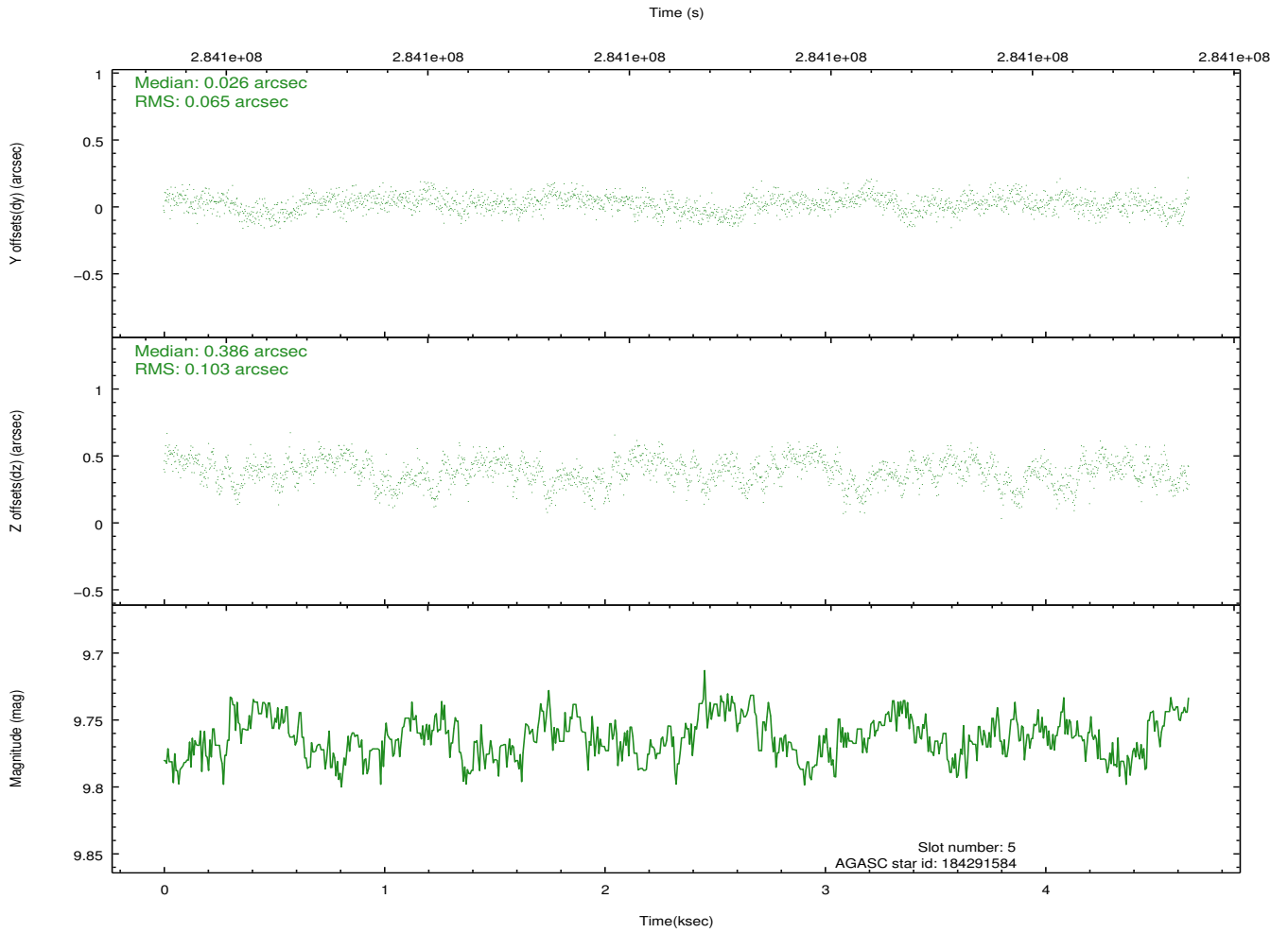
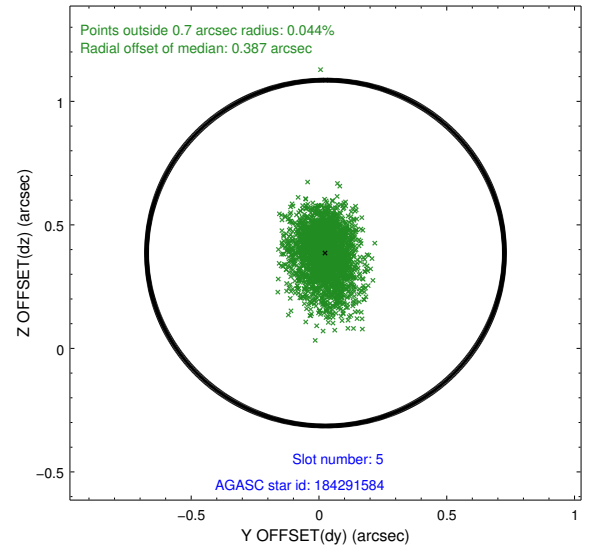
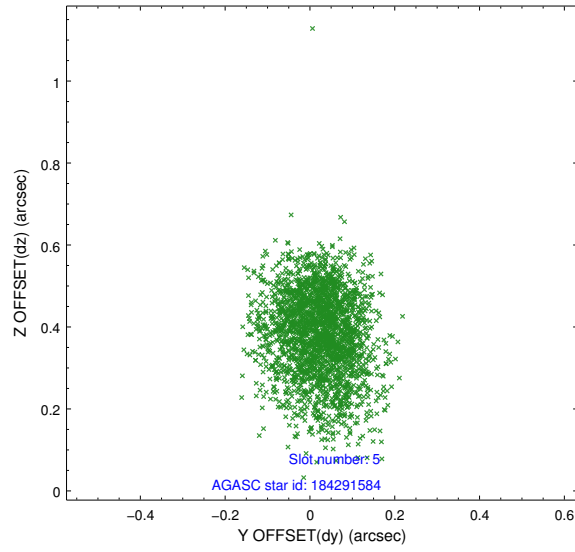
2.4.1 Slot 3



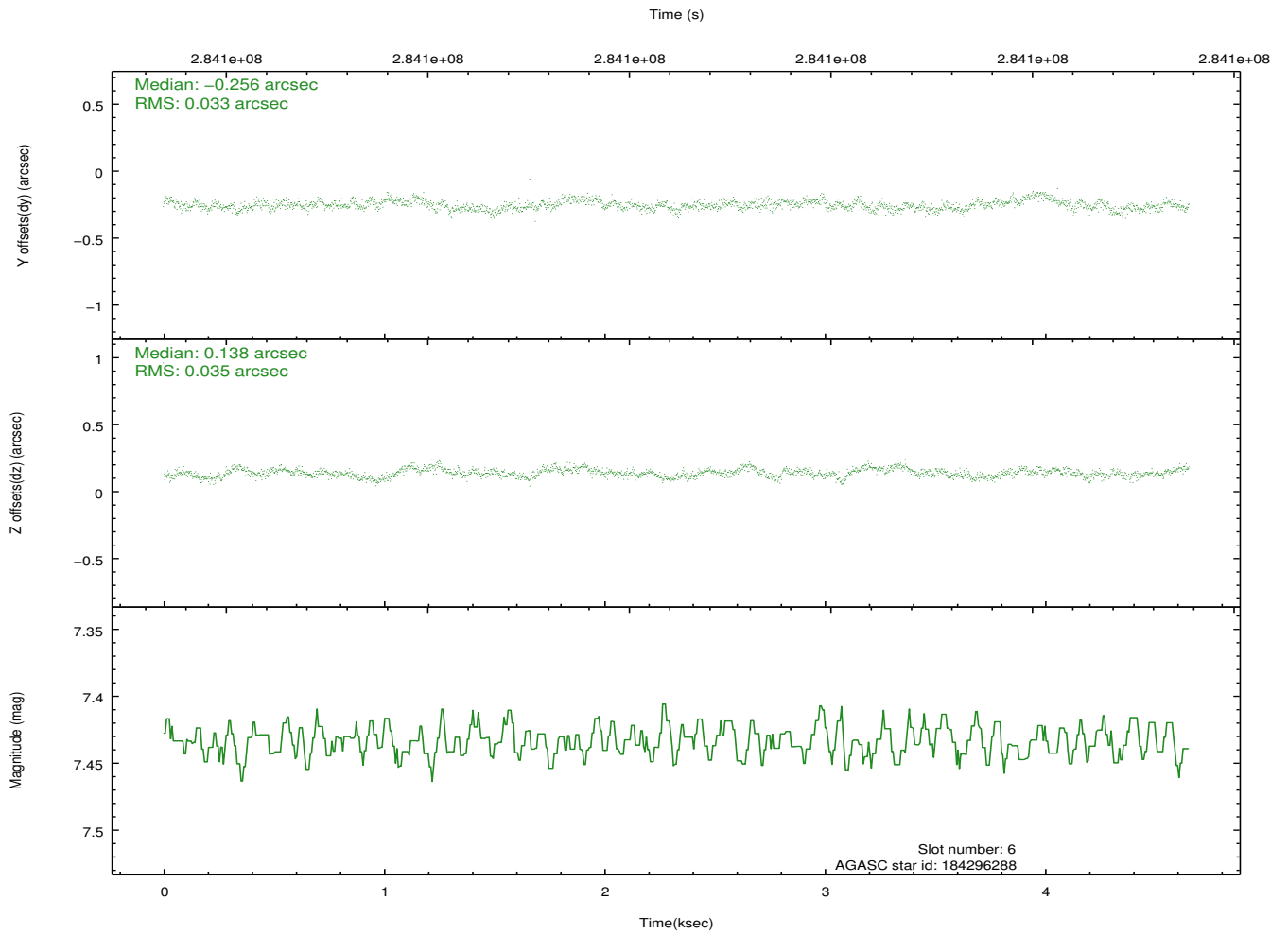
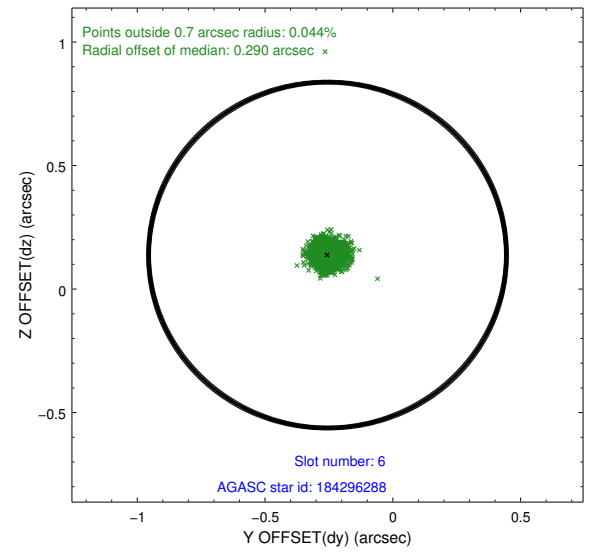
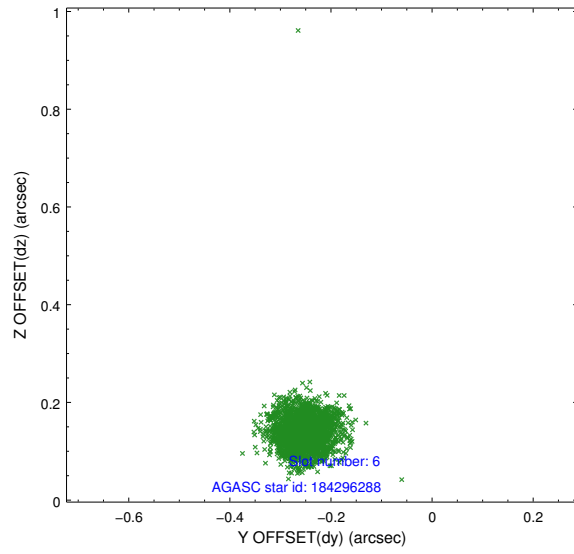
2.4.2 Slot 4



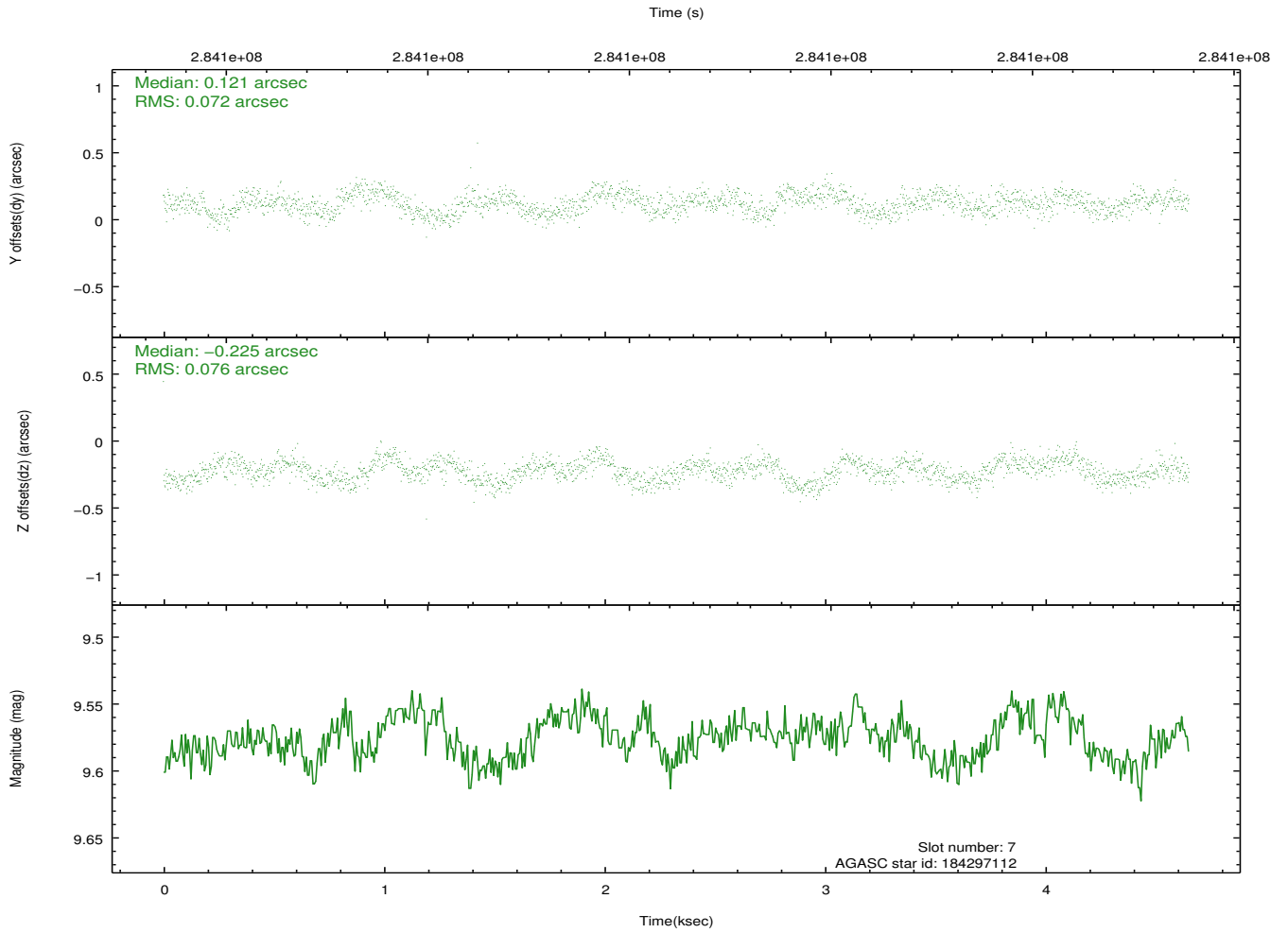
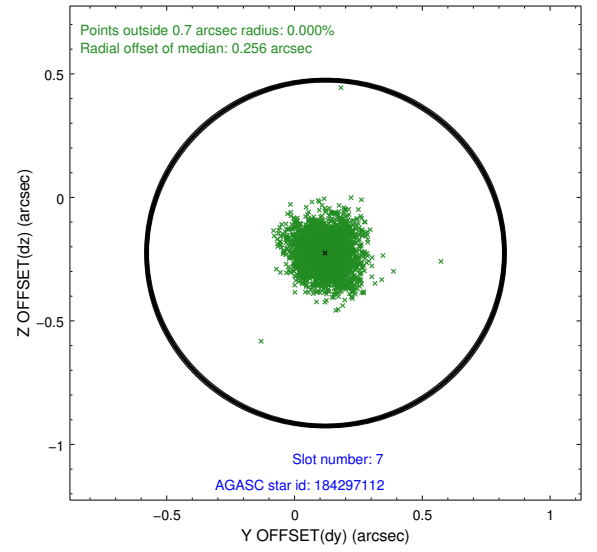
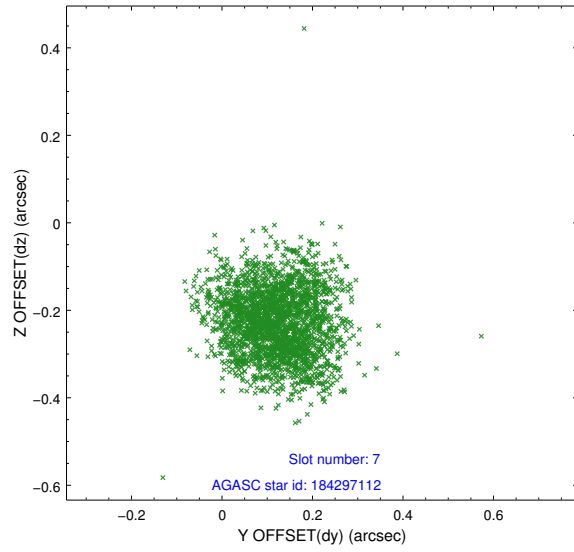
2.4.3 Slot 5



2.4.4 Slot 6

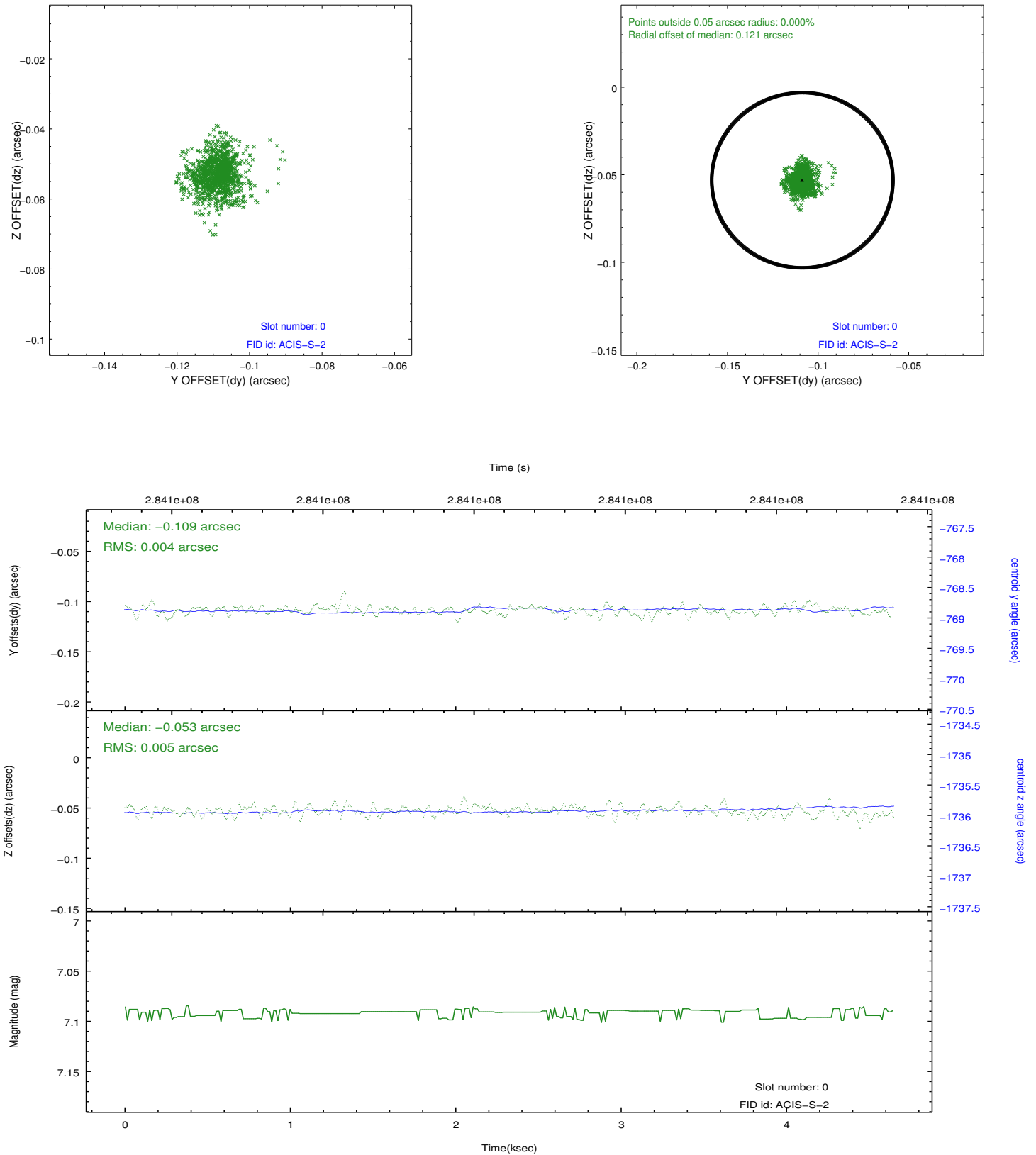


2.4.5 Slot 7

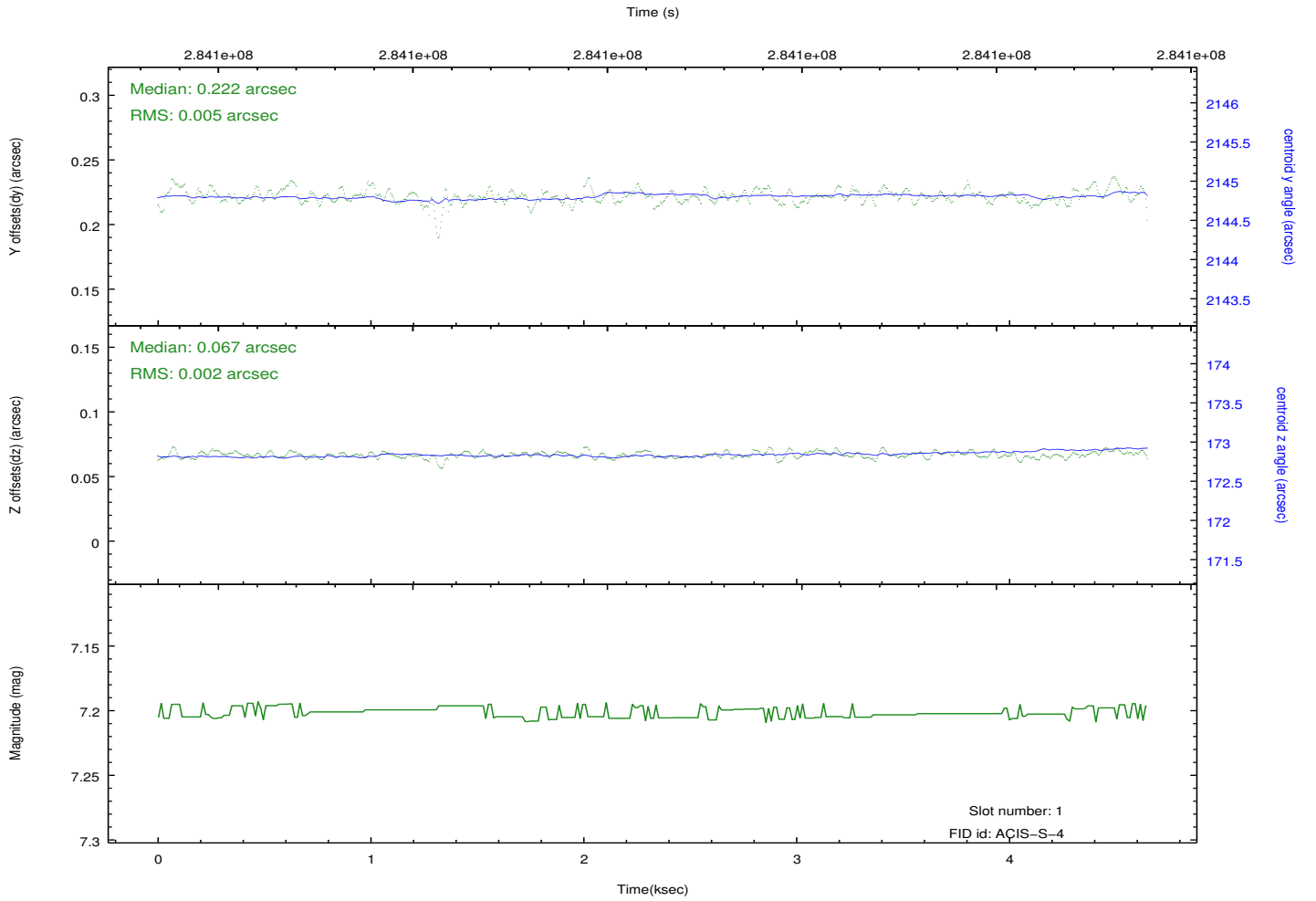
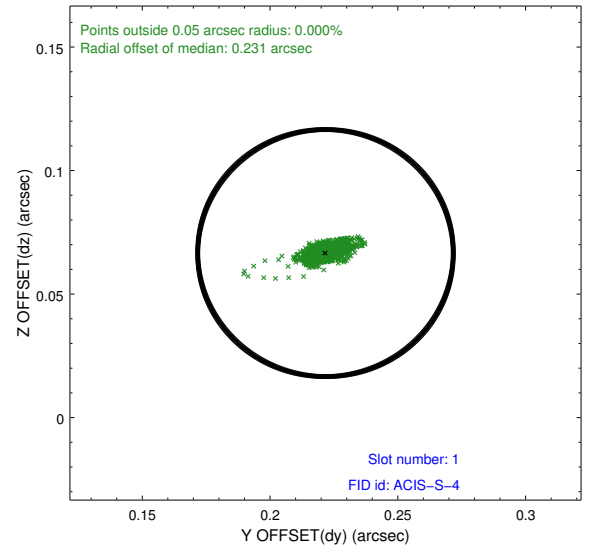
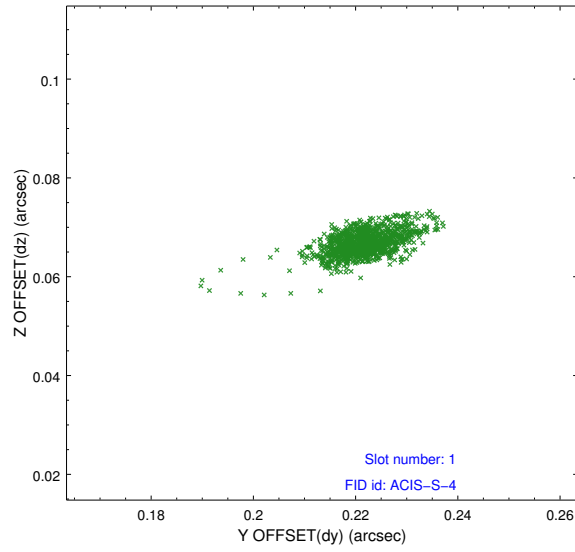


2.5 FID Slots

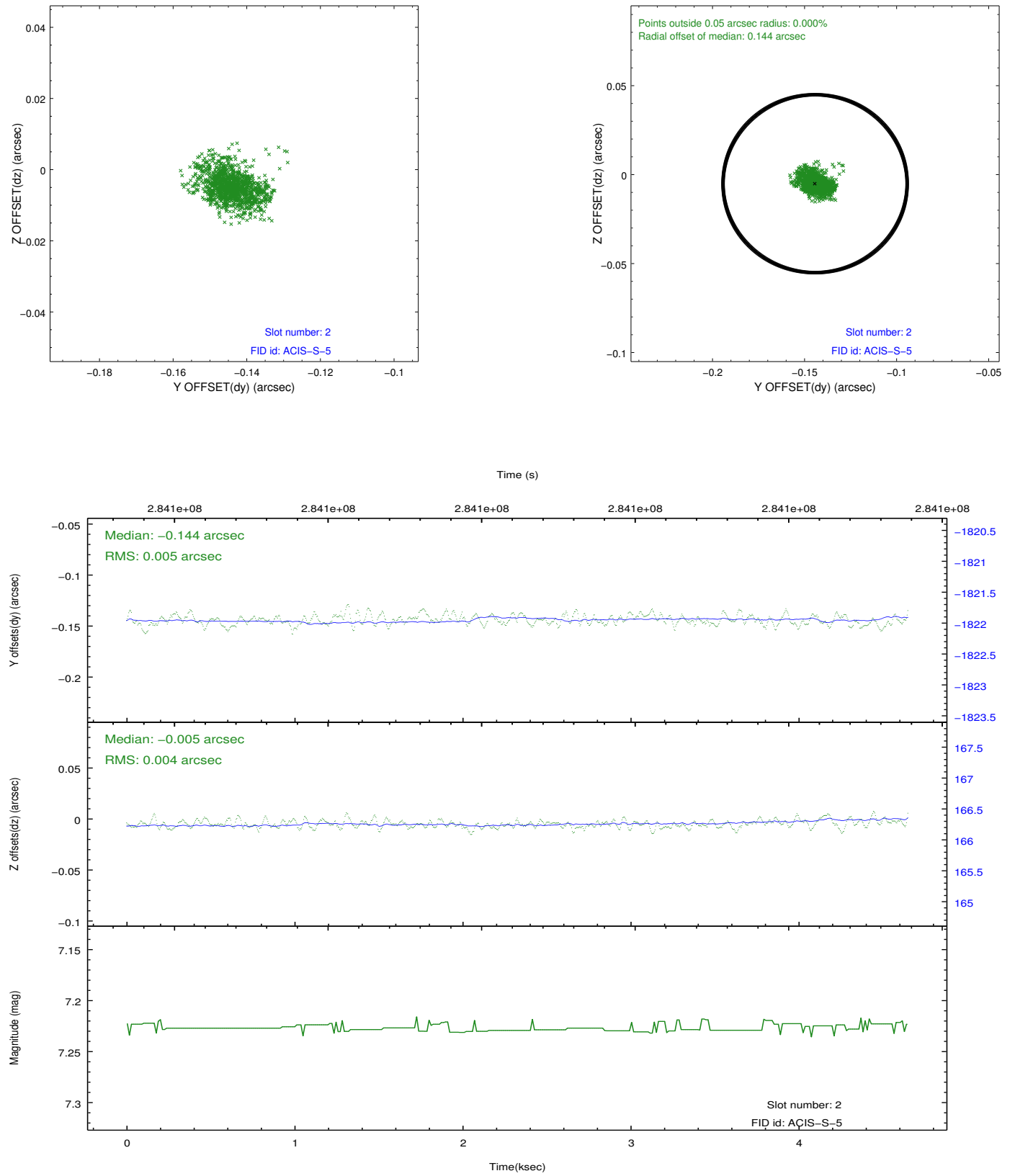
2.5.1 Slot 0



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)	2012.04.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.03000003

A.2 Comments