

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9687 - L2 Version 2
Chandra X-Ray Center

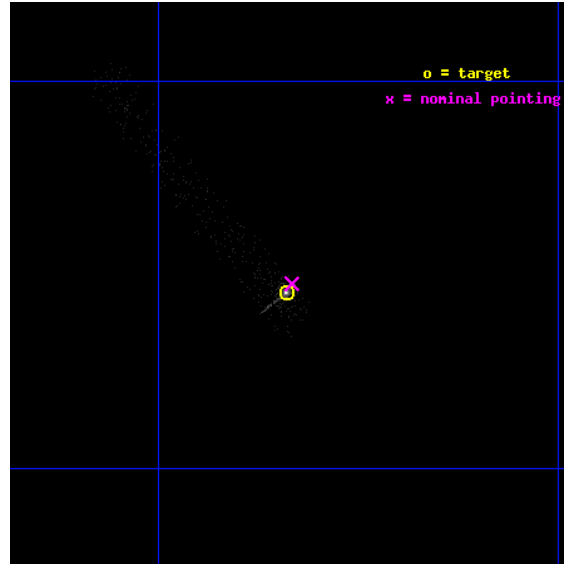
L2 Processing Date : May 18 2012

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1 Front

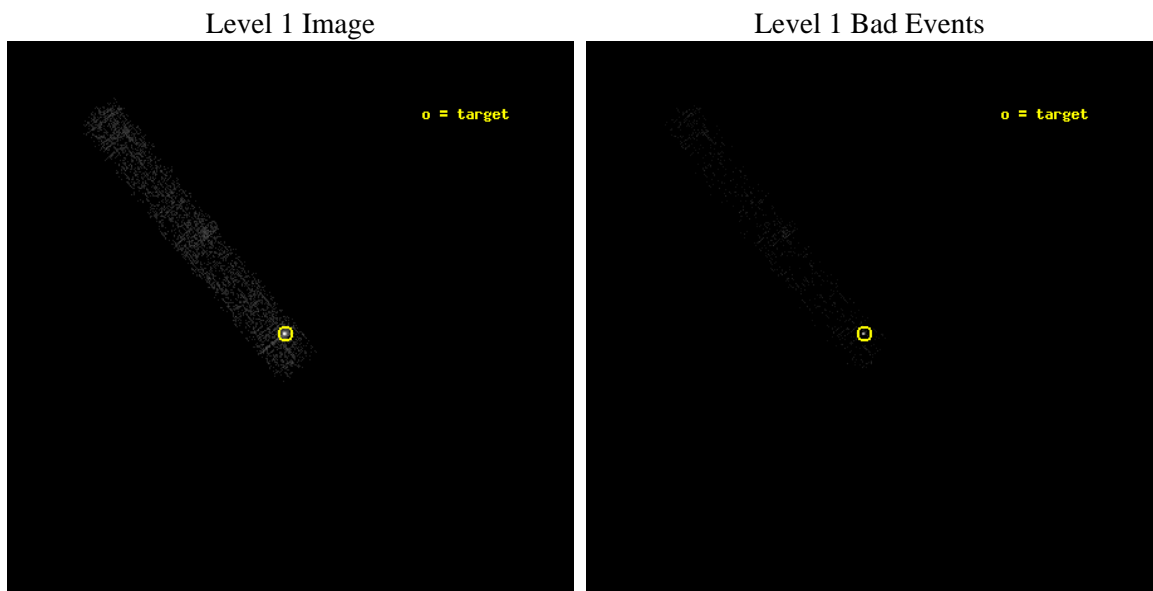
seq_num	290810	Sequence number
obs_id	9687	Observation id
title	AO9 Calibration Observations to Measure the Relative Alignment of the 4 Focal Plane Detectors	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.16670342468	Nominal RA [deg]
dec_nom	45.746189273102	Nominal Dec [deg]
roll_nom	141.45899053164	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3044.9830640554	Sum of GTIs [s]
livetime	2814.0091897599	Livetime [s]
ontime3	3044.9830640554	Sum of GTIs [s]
l2events	9145	Number of level 2 events



2 OBI

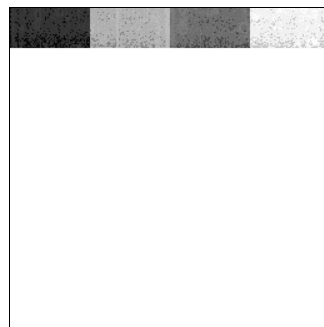
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3044.9830640554	Sum of GTIs [s]
caldbver	4.4.9	 	ontime3	3044.9830640554	Sum of GTIs [s]
date	2012-05-18T02:39:11	Date and time of file creation	l1events	14266	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

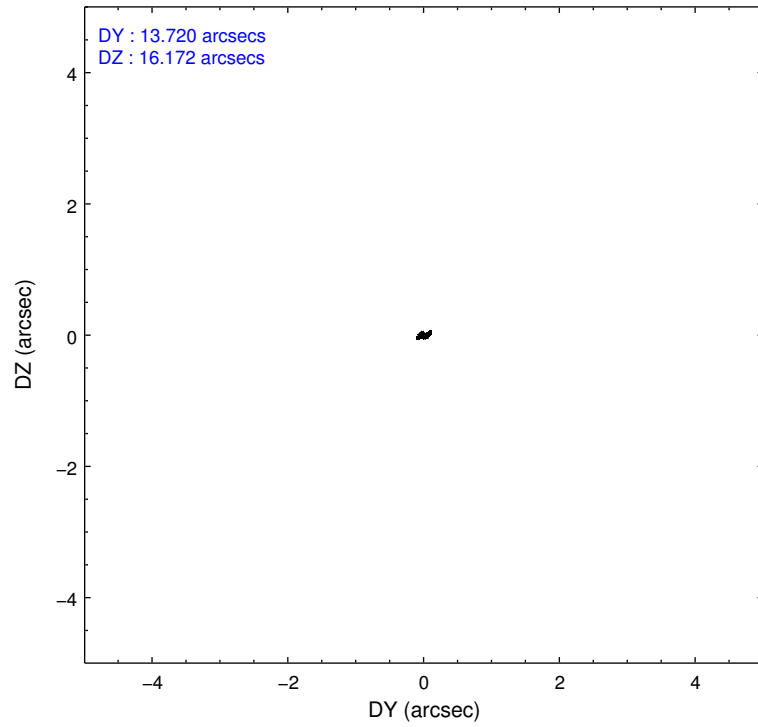
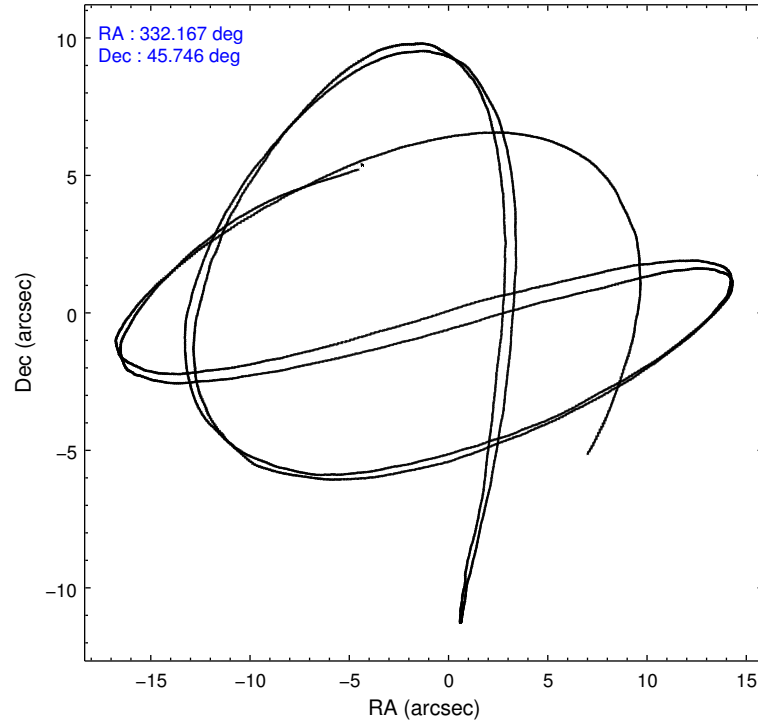
	ccd 3
level 1 events	14266
rejected events	5029
rejected %	35%

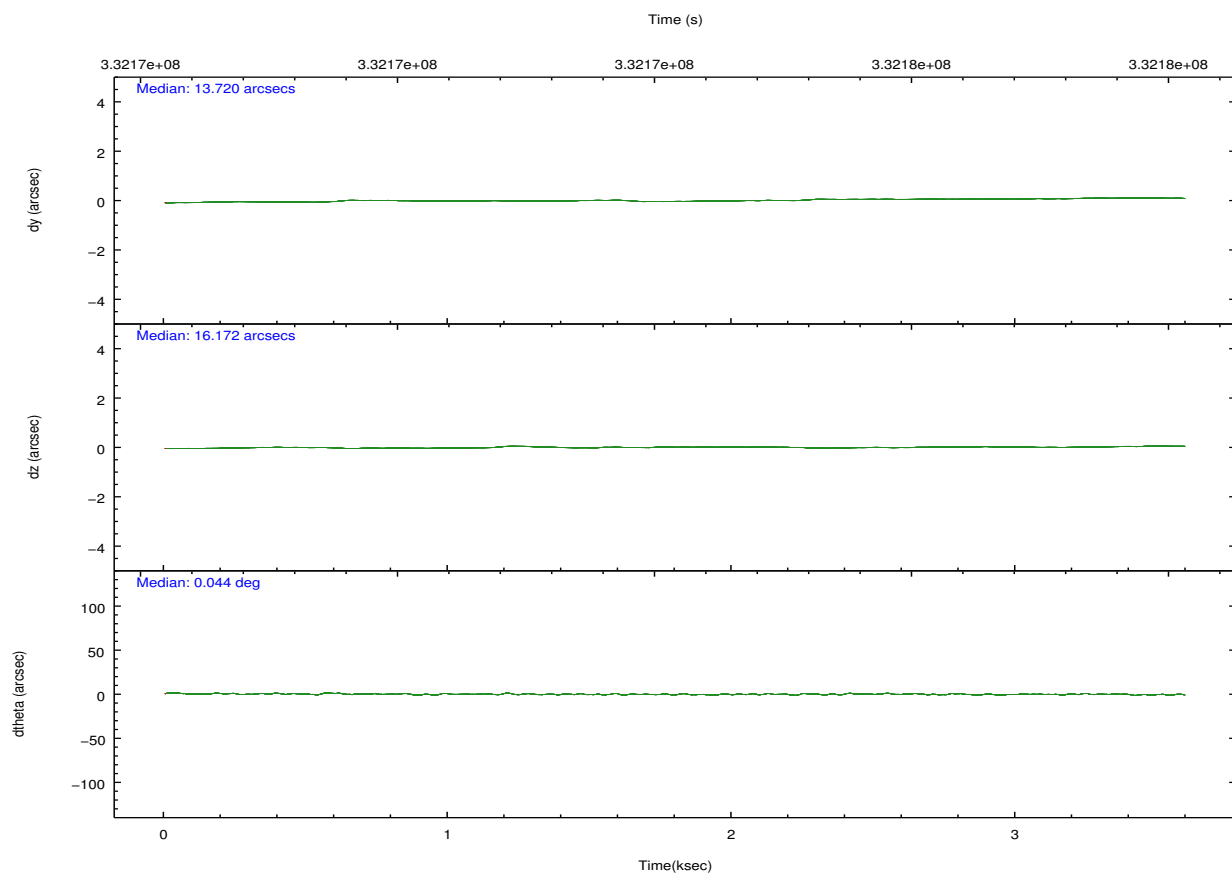
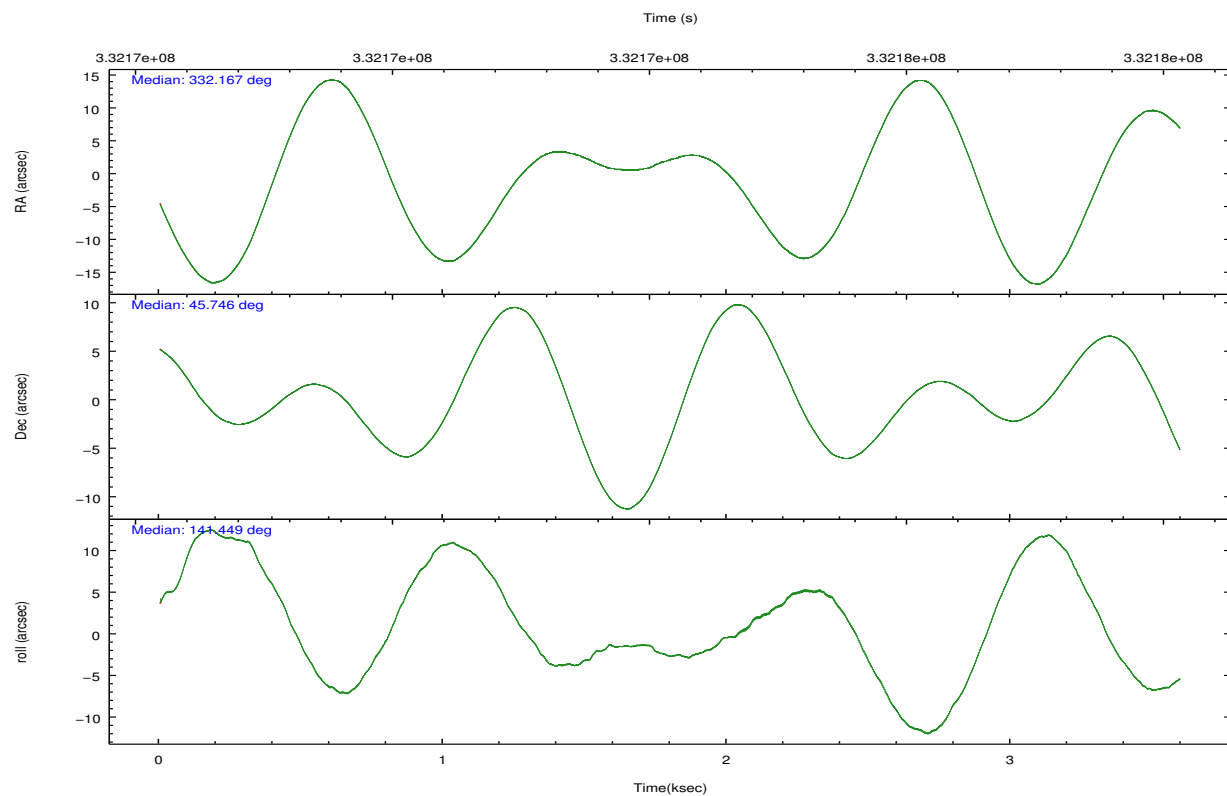
	ccd 3
grade 0 events	7126
	49%
grade 1 events	694
	4%
grade 2 events	1062
	7%
grade 3 events	387
	2%
grade 4 events	446
	3%
grade 5 events	361
	2%
grade 6 events	220
	1%
grade 7 events	3970
	27%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3	ACIS-3	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	332.205657	332.1667034246805	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	45.742426	45.74618927310159	Subarray start row	897	897
[deg] Pointing Roll	141.274464	141.45899053164	Subarray row count	128	128
[mm] SIM focus pos	-0.782348	-0.7809083437167272	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001439871863259334	[s] Primary exposure time	0.000000	0.5
[mm] SIM translation stage pos	-213.592463	-213.5935991828236			
[mm] SIM translation stage offset	-20	-19.99885382010612			
[s] Observation start time (MET)	332172889.184000	332172105.11286			
Observation start date	2008-07-11T14:13:44	2008-07-11T14:01:45			
[s] Observation end time (MET)	332175889.184000	332176022.66305			
Observation end date	2008-07-11T15:03:44	2008-07-11T15:07:02			
Read mode	TIMED	TIMED			

2.3 Aspect



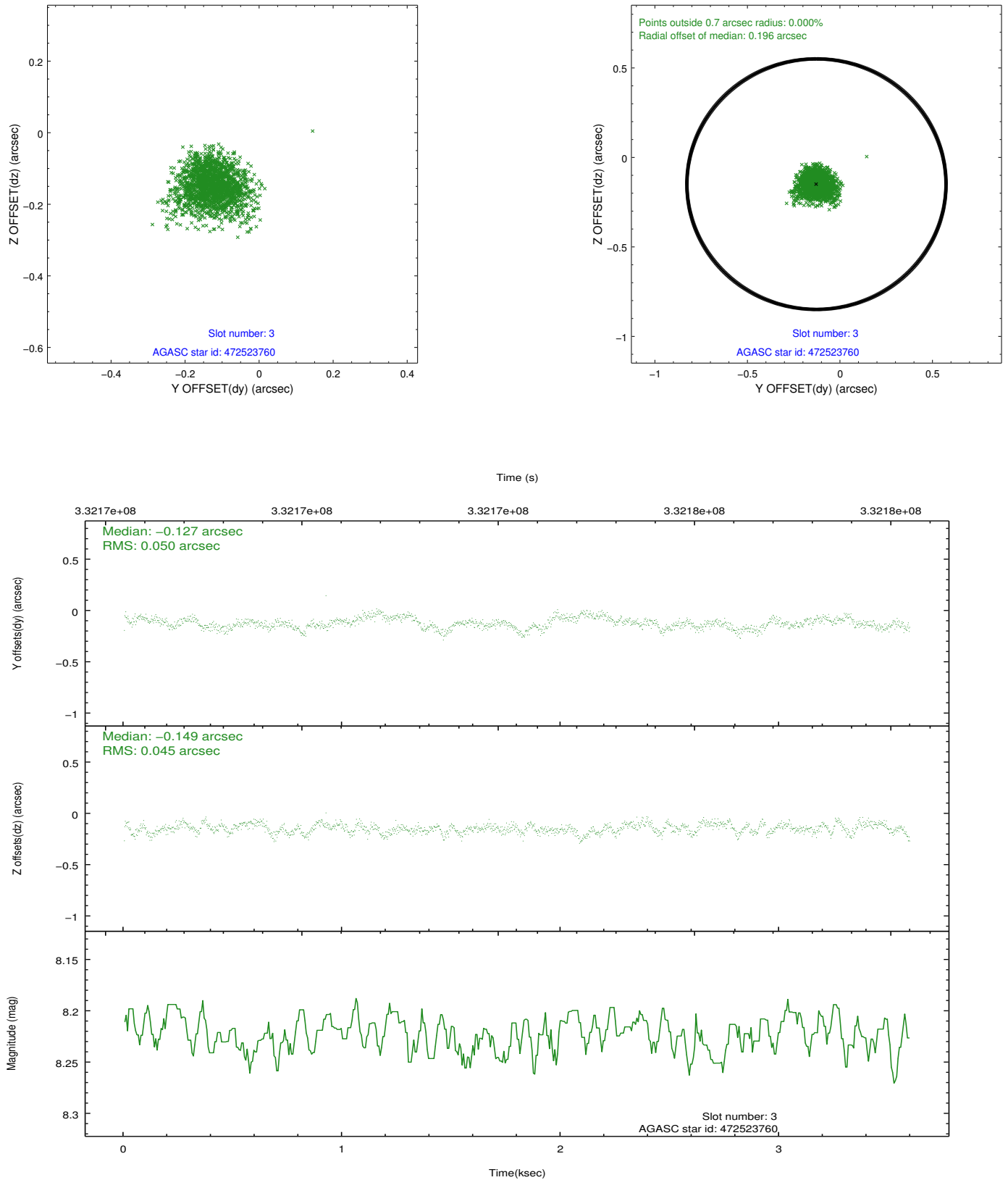


Slot Statistics

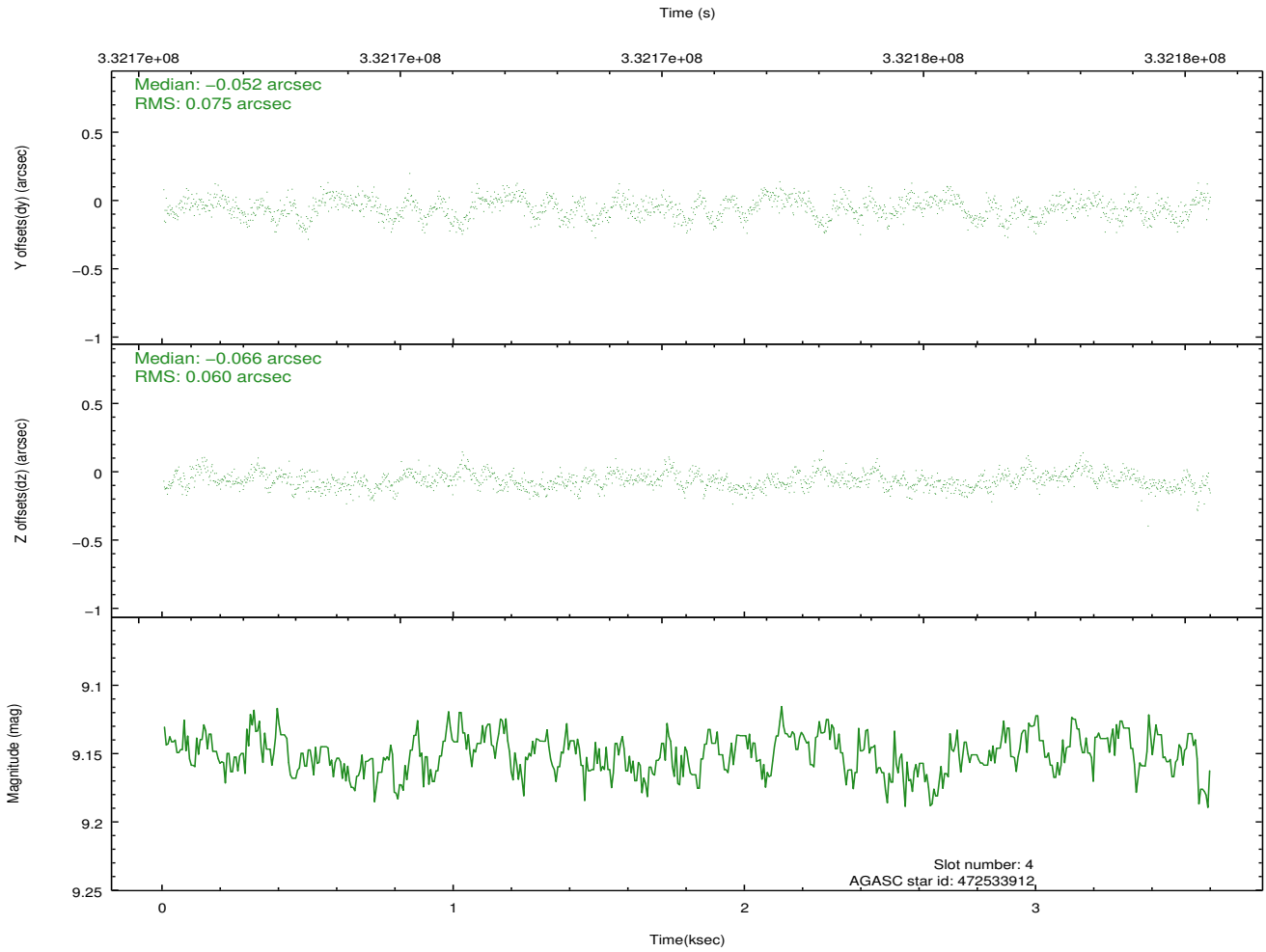
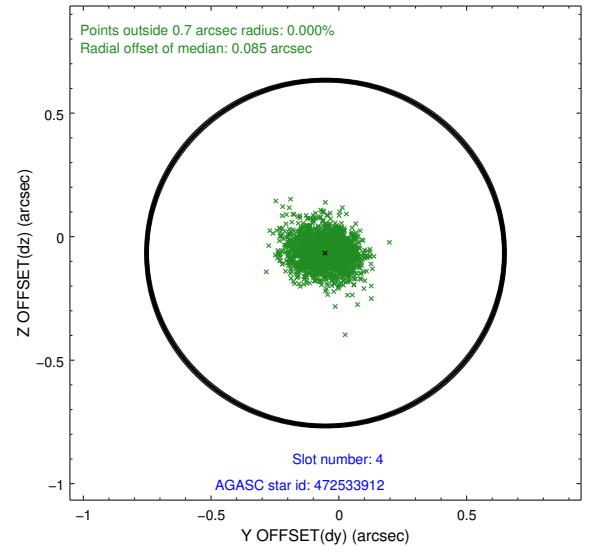
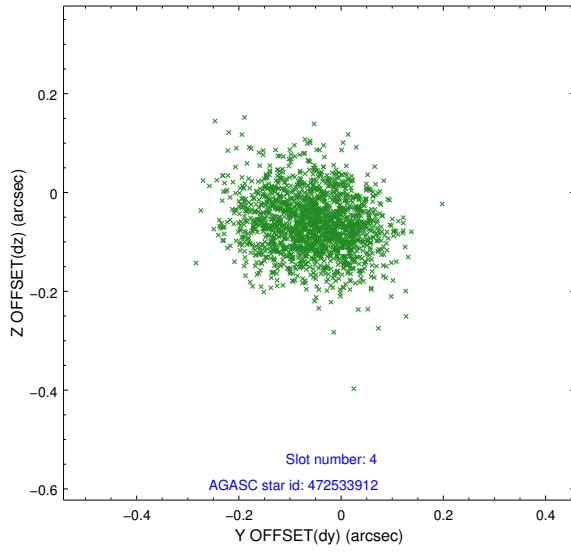
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	6.95	877	0.035	-0.023	0.007	0.012	0.000000	0.000000	-768.19	-1254.00
1	FID	ACIS-I-5	6.97	876	-0.242	0.001	0.007	0.011	0.000000	0.000000	-1822.23	646.50
2	FID	ACIS-I-6	7.02	877	0.183	0.032	0.006	0.009	0.000000	0.000000	390.94	1292.92
3	GUIDE	472523760	8.22	1753	-0.127	-0.149	0.070	0.116	331.645363	45.403260	343.64	1834.86
4	GUIDE	472533912	9.15	1752	-0.052	-0.066	0.103	0.164	331.791136	46.368695	2215.70	-1115.32
5	GUIDE	472654568	9.41	1747	0.047	-0.072	0.092	0.150	332.194449	45.063576	-1505.74	1923.69
6	GUIDE	472655152	9.42	1749	0.170	-0.000	0.104	0.173	332.504239	45.862991	-312.31	-806.71
7	GUIDE	472665256	9.02	1747	-0.037	0.288	0.079	0.130	332.808125	46.195041	-148.32	-2214.82

2.4 Star Slots

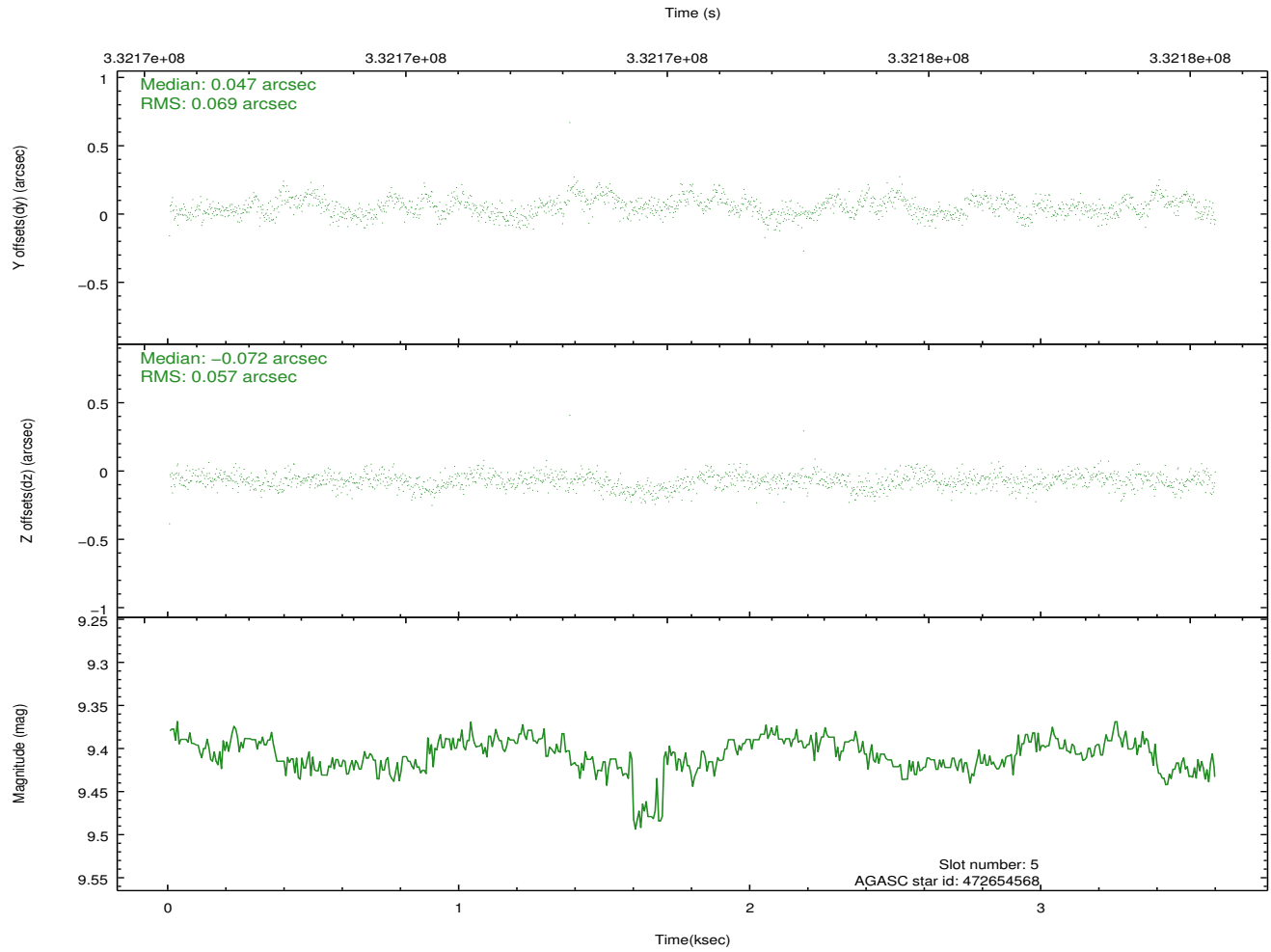
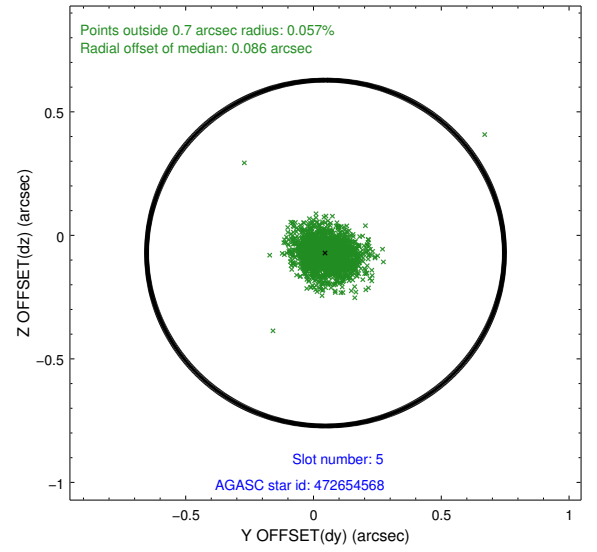
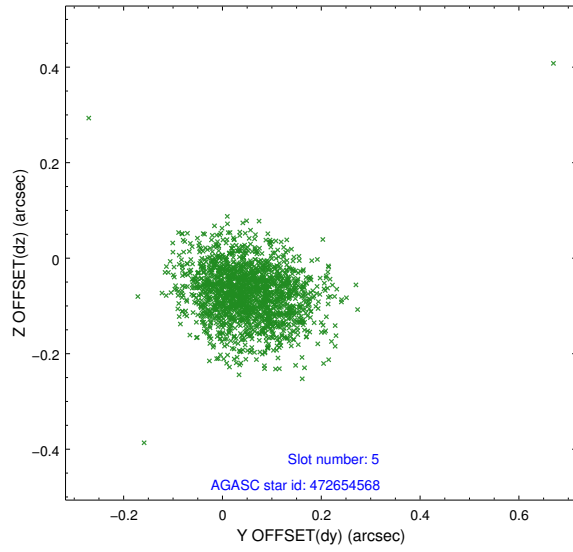
2.4.1 Slot 3



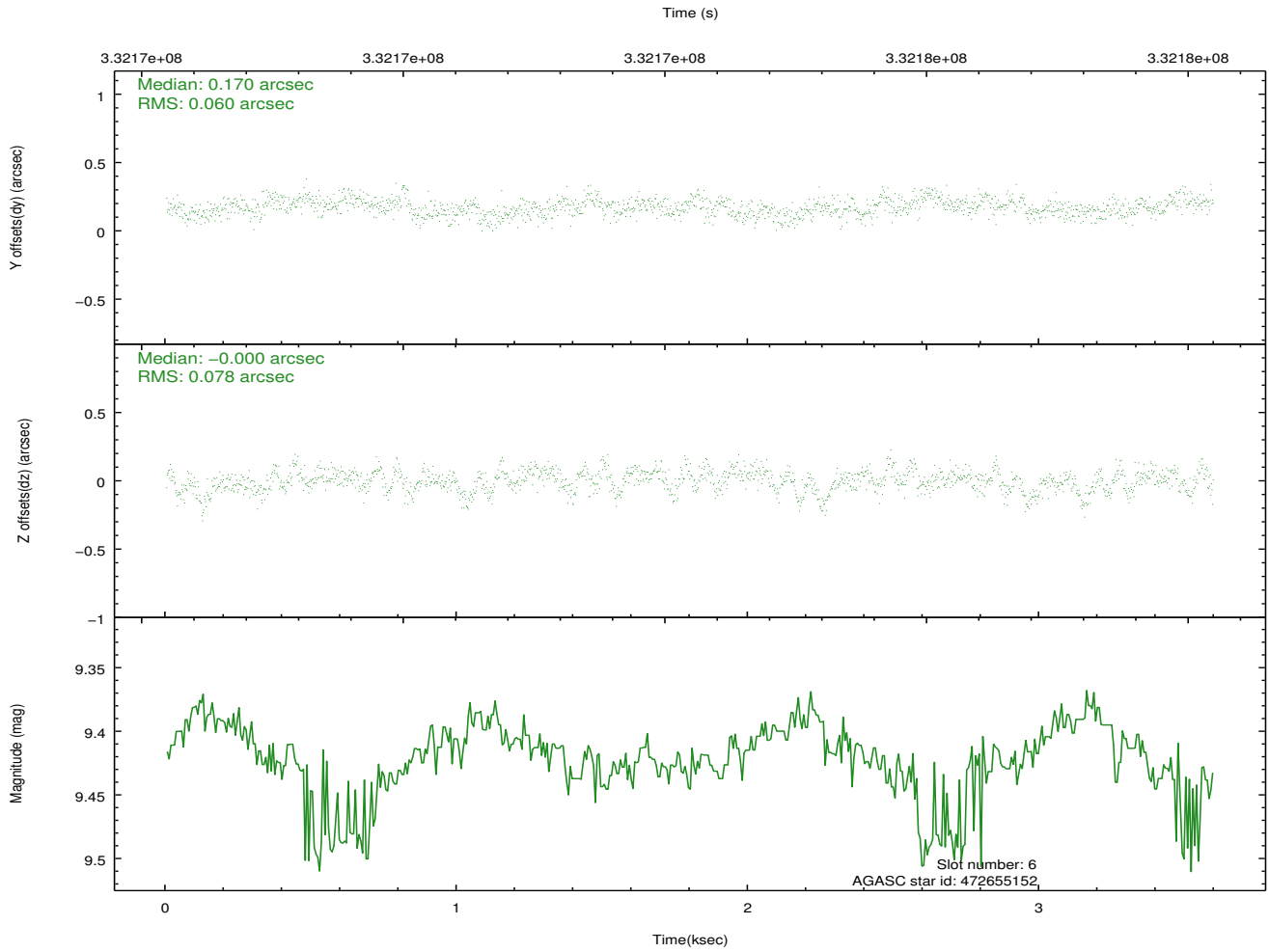
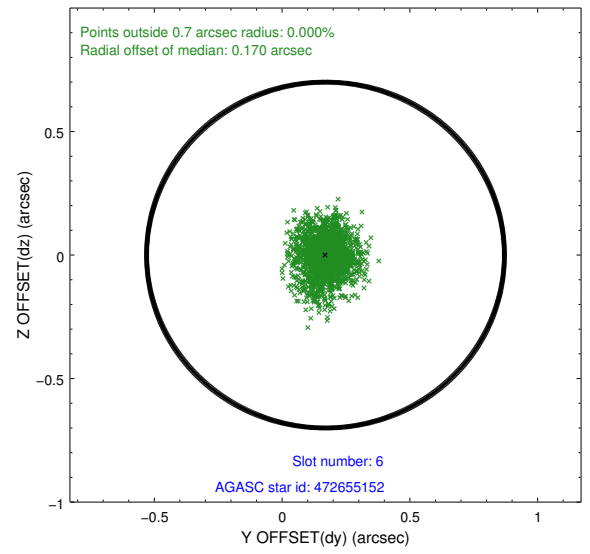
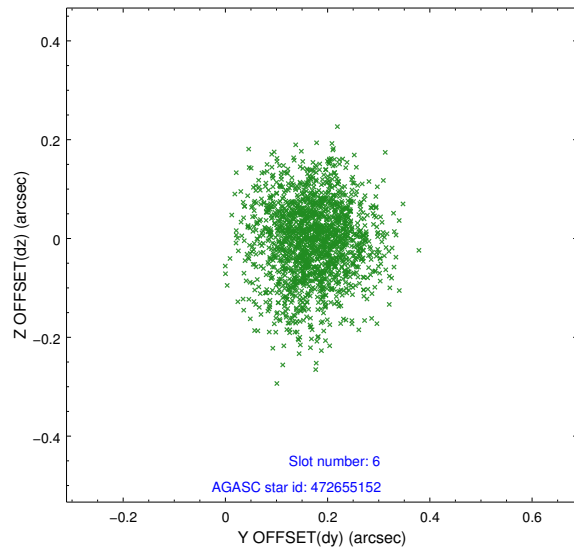
2.4.2 Slot 4



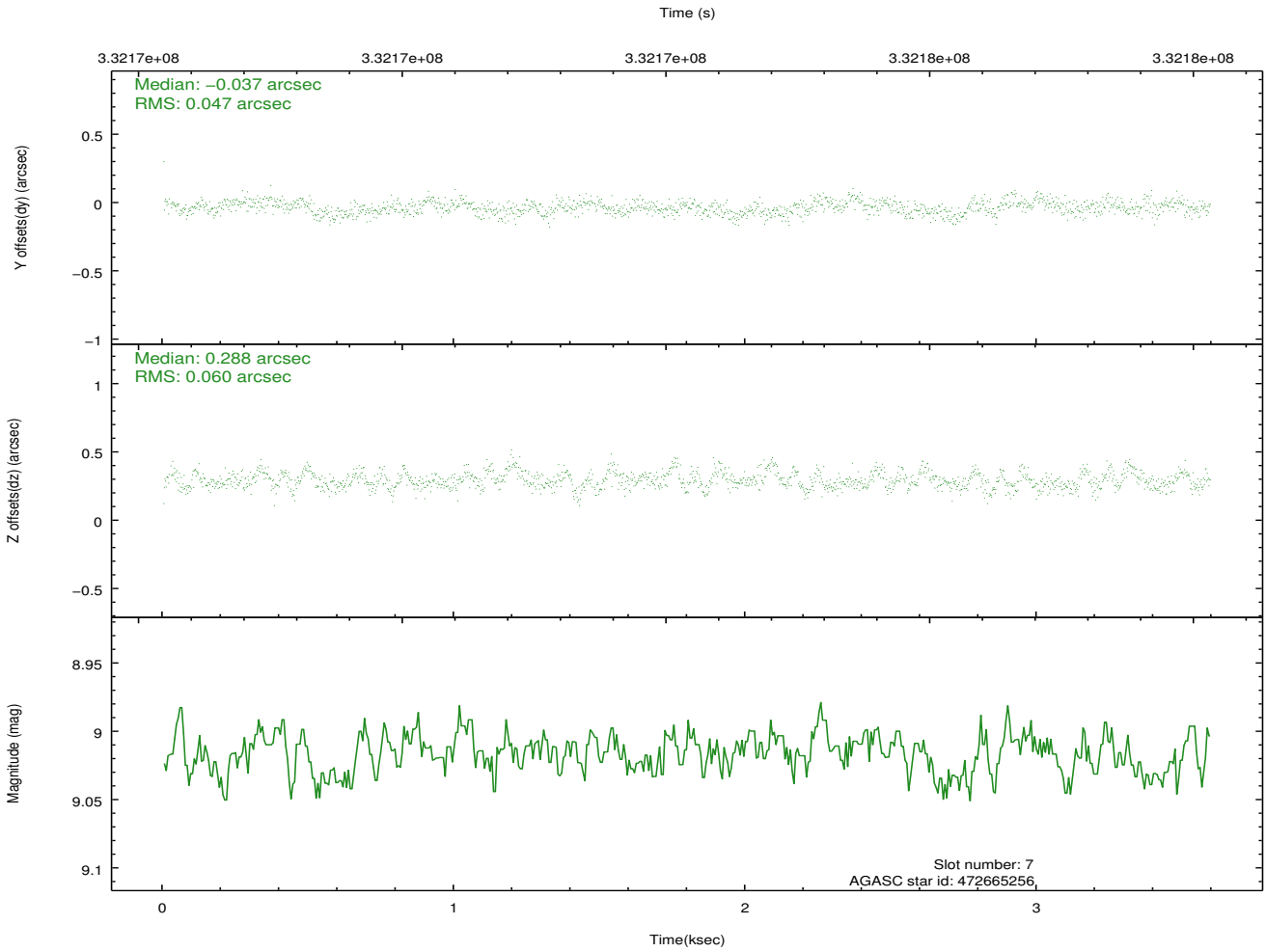
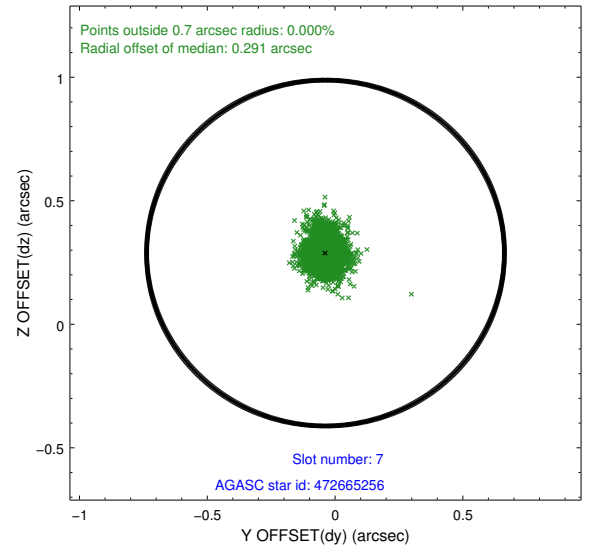
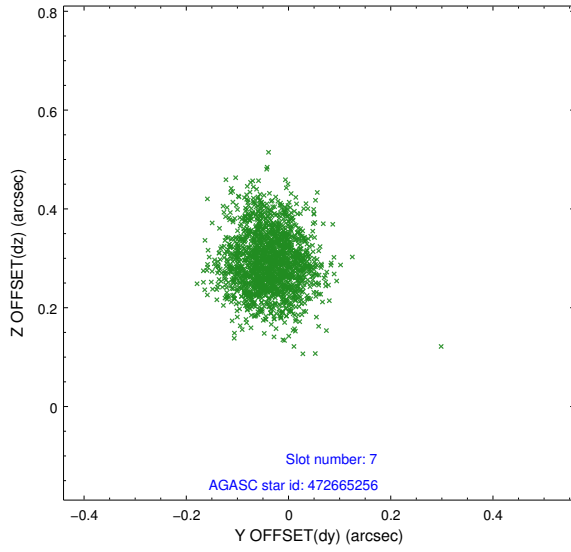
2.4.3 Slot 5



2.4.4 Slot 6

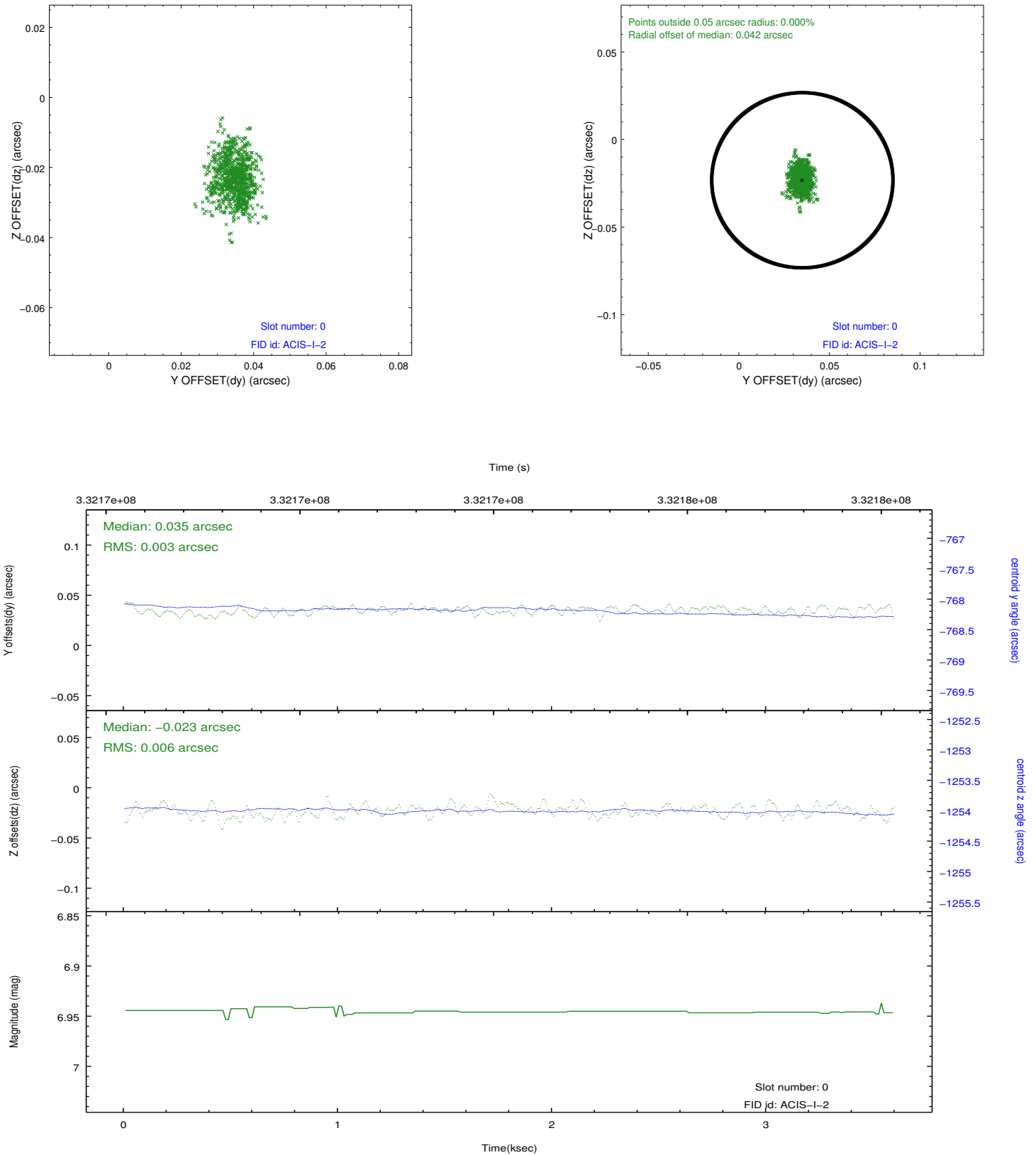


2.4.5 Slot 7

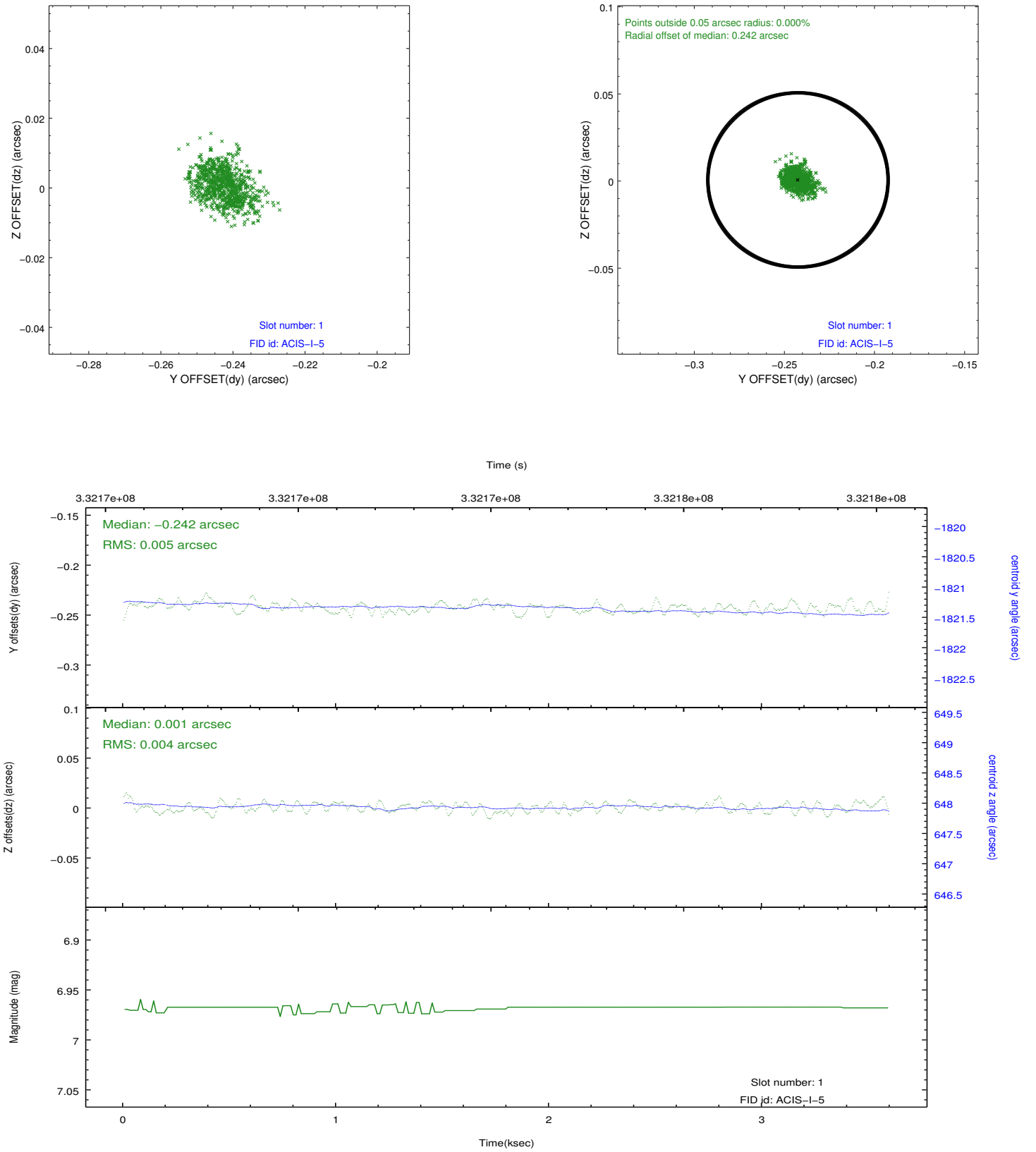


2.5 FID Slots

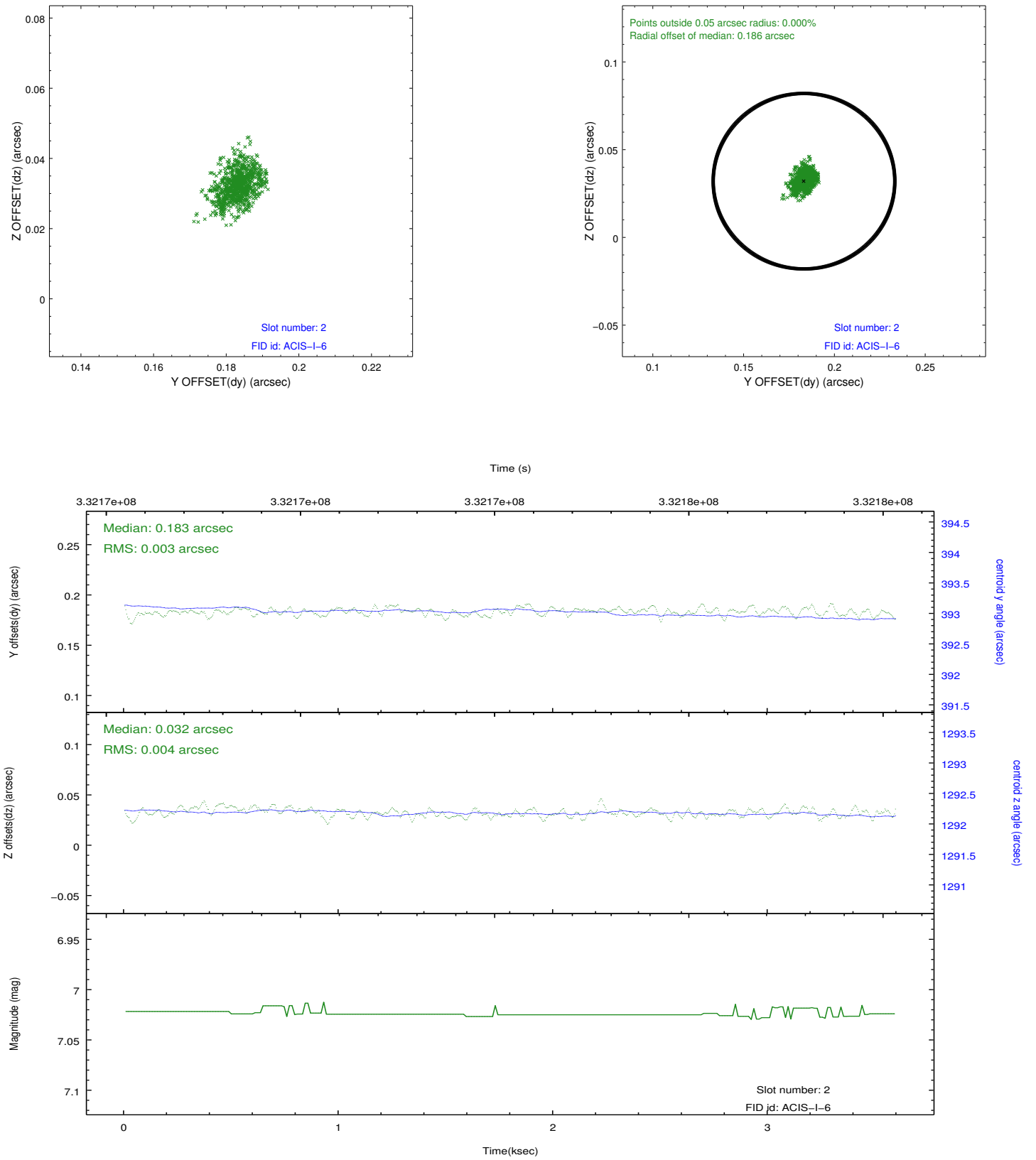
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.05.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.045

A.2 Comments