

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9689 - L2 Version 2
Chandra X-Ray Center

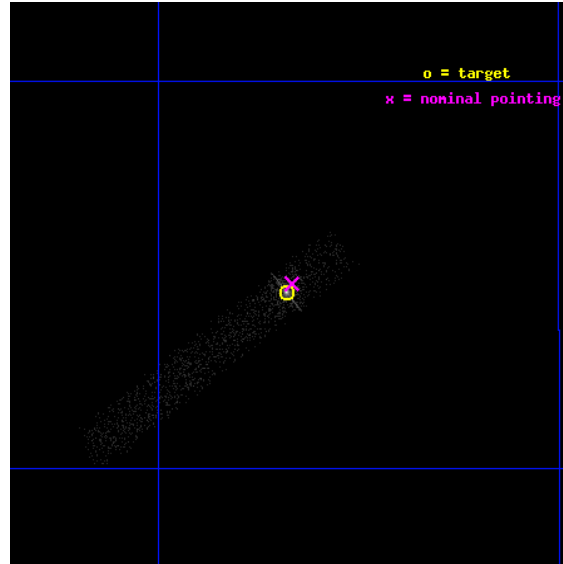
L2 Processing Date : May 18 2012

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

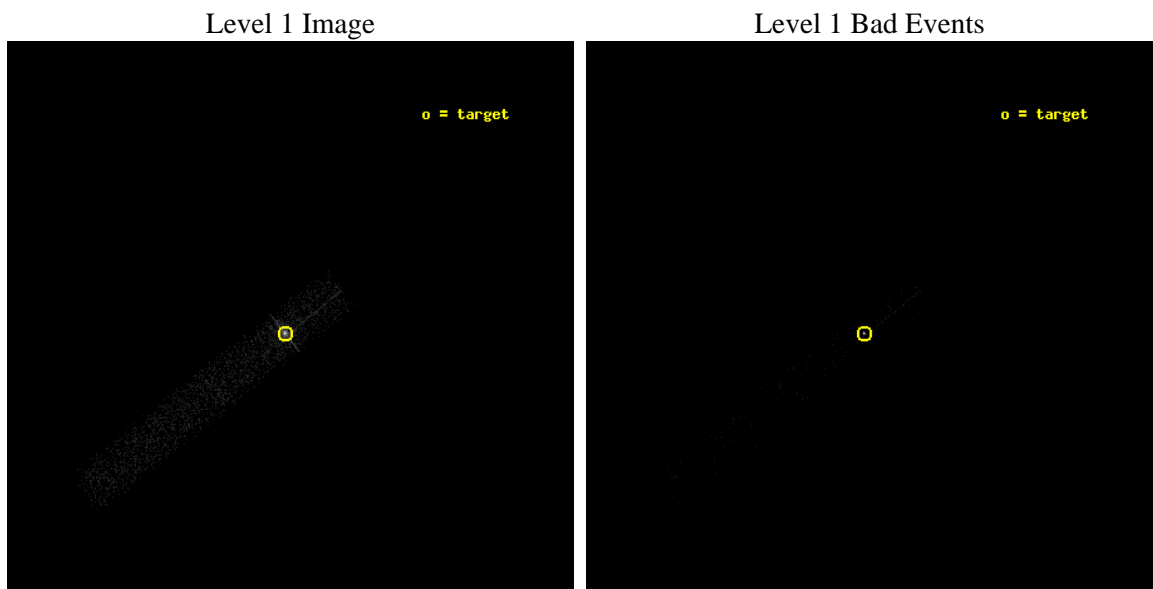
seq_num	290812	Sequence number
obs_id	9689	Observation id
title	AO9 Calibration Observations to Measure the Relative Alignment of the 4 Focal Plane Detectors	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.16679854794	Nominal RA [deg]
dec_nom	45.746108694513	Nominal Dec [deg]
roll_nom	141.45892150058	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3045.2912757397	Sum of GTIs [s]
livetime	2814.2940223825	Livetime [s]
ontime7	3045.2912757397	Sum of GTIs [s]
l2events	6109	Number of level 2 events



2 OBI

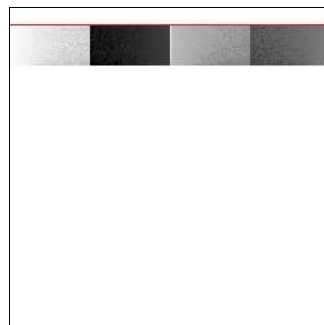
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



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	3045.2912757397	Sum of GTIs [s]
caldsver	4.4.9	 	ontime7	3045.2912757397	Sum of GTIs [s]
date	2012-05-18T02:43:45	Date and time of file creation	l1events	11017	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

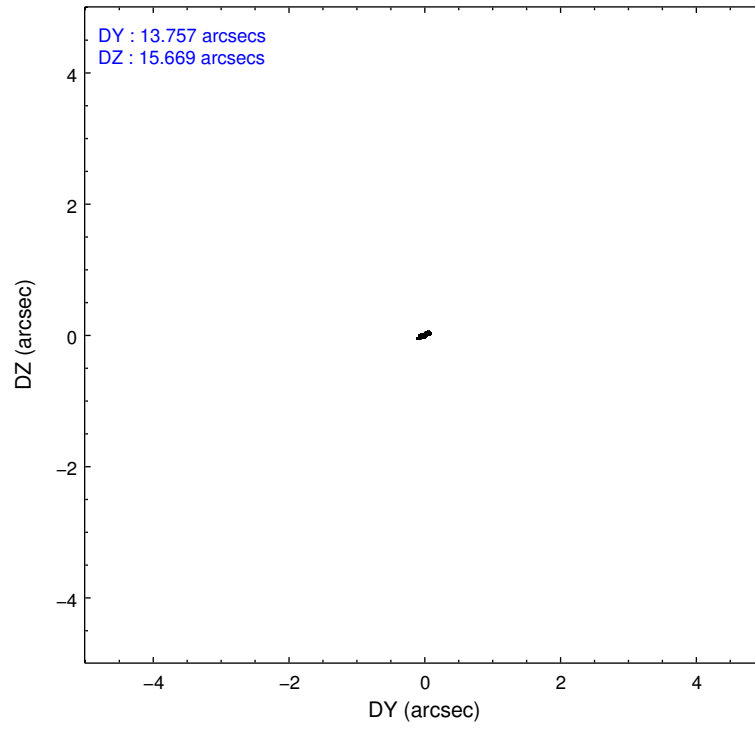
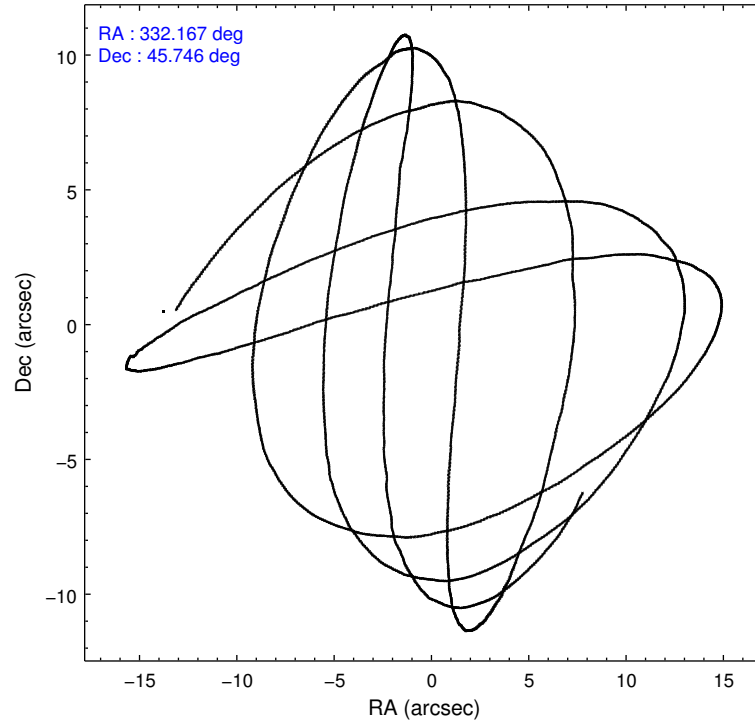
	ccd 7
level 1 events	11017
rejected events	4813
rejected %	43%

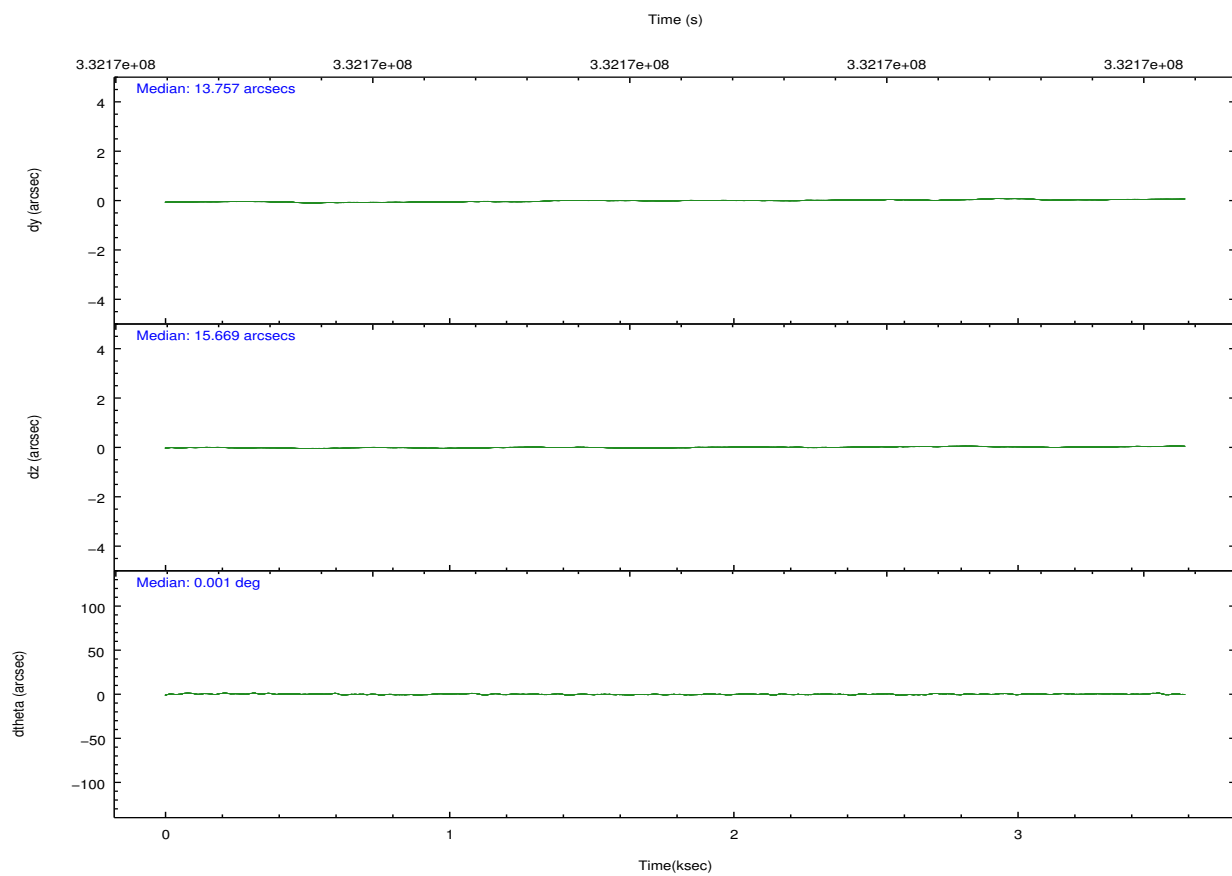
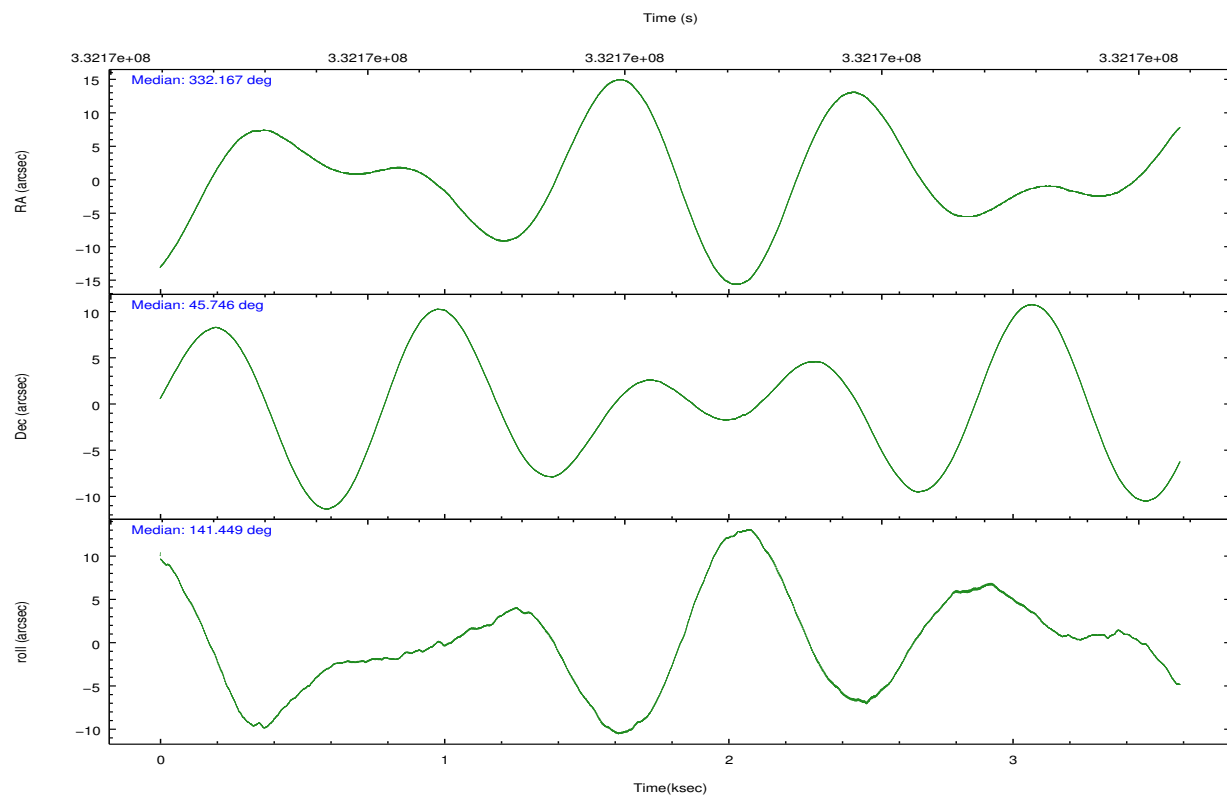
	ccd 7
grade 0 events	1050
	9%
grade 1 events	141
	1%
grade 2 events	1257
	11%
grade 3 events	643
	5%
grade 4 events	598
	5%
grade 5 events	1174
	10%
grade 6 events	2656
	24%
grade 7 events	3498
	31%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	332.1667985479407	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	45.742426	45.74610869451265	Subarray start row	843	843
[deg] Pointing Roll	141.274464	141.4589215005809	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.5
[mm] SIM translation stage pos	-200.132523	-200.1369836888744			
[mm] SIM translation stage offset	10	10.00446110586662			
[s] Observation start time (MET)	332168971.184000	332168187.05017			
Observation start date	2008-07-11T13:08:26	2008-07-11T12:56:27			
[s] Observation end time (MET)	332171971.184000	332172105.11286			
Observation end date	2008-07-11T13:58:26	2008-07-11T14:01:45			
Read mode	TIMED	TIMED			

2.3 Aspect



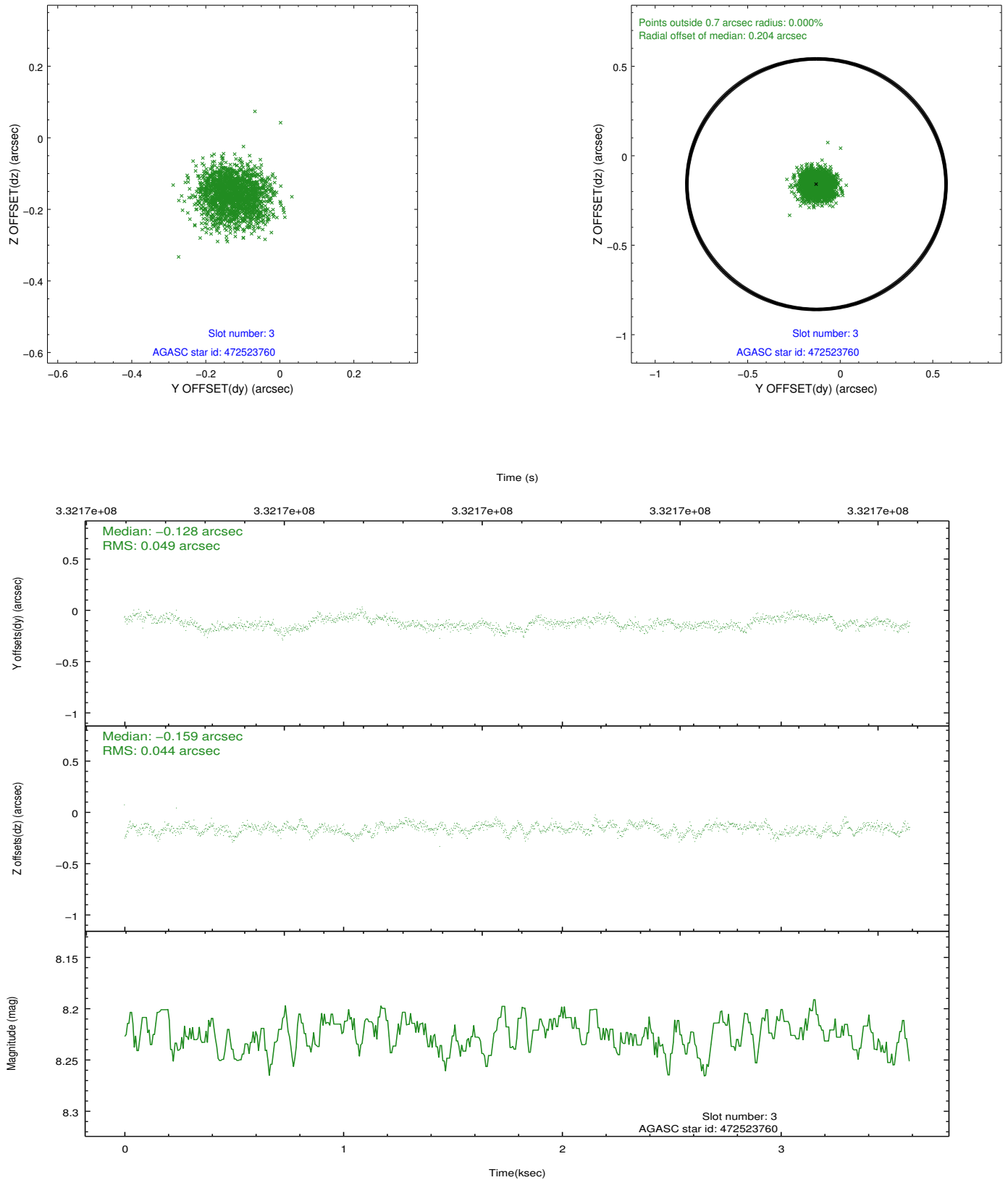


Slot Statistics

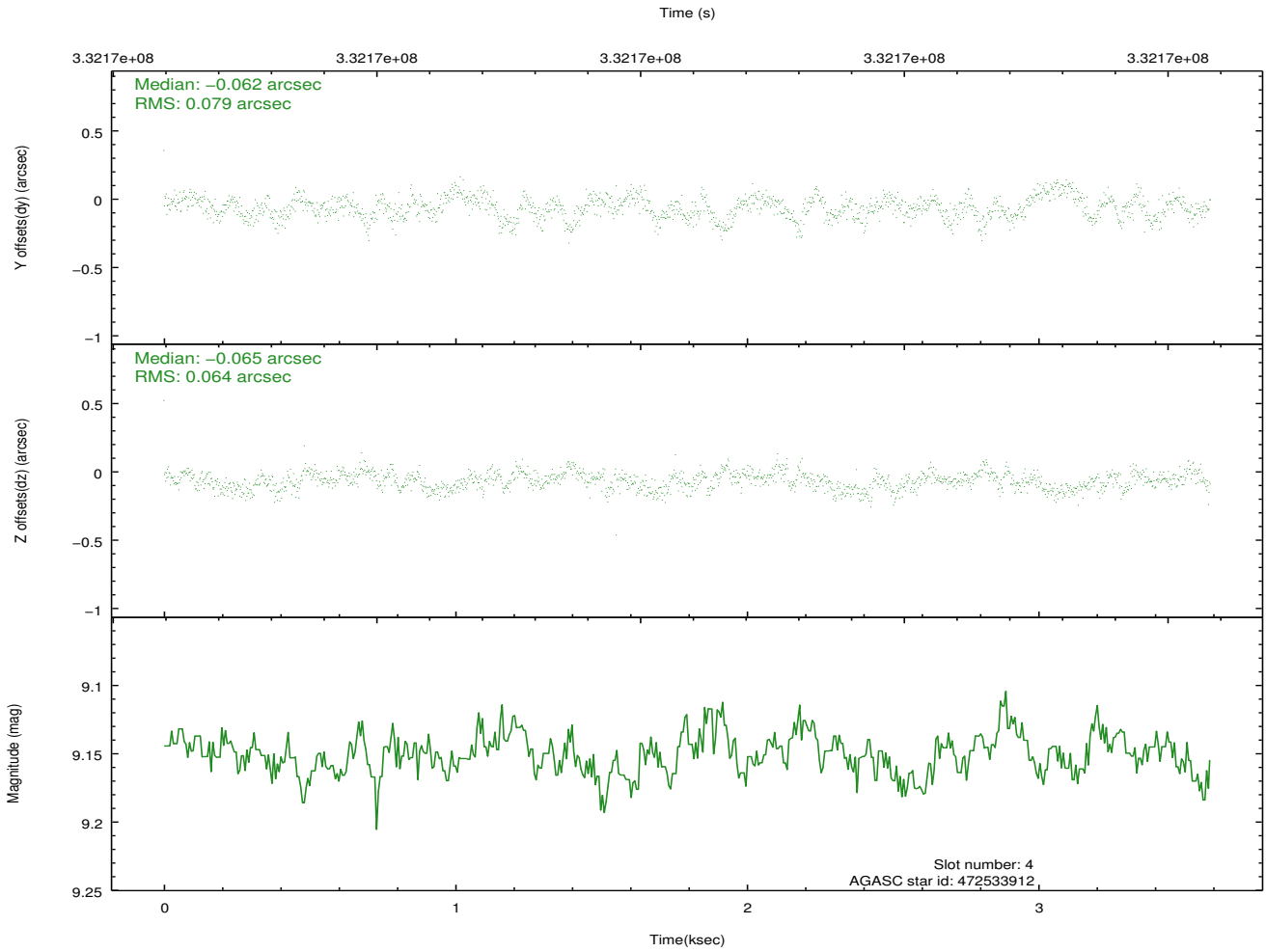
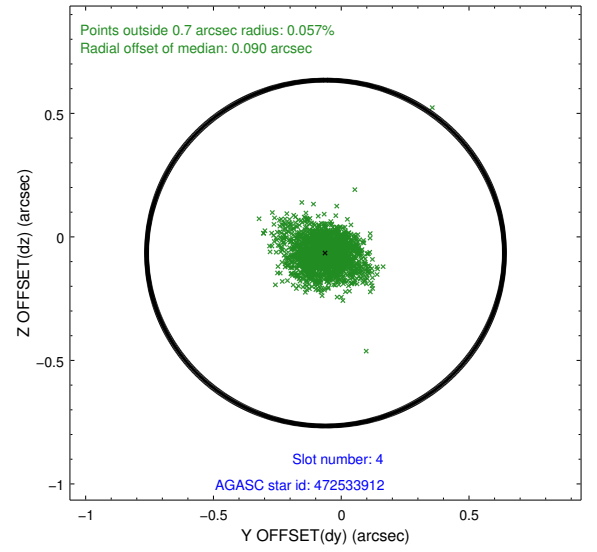
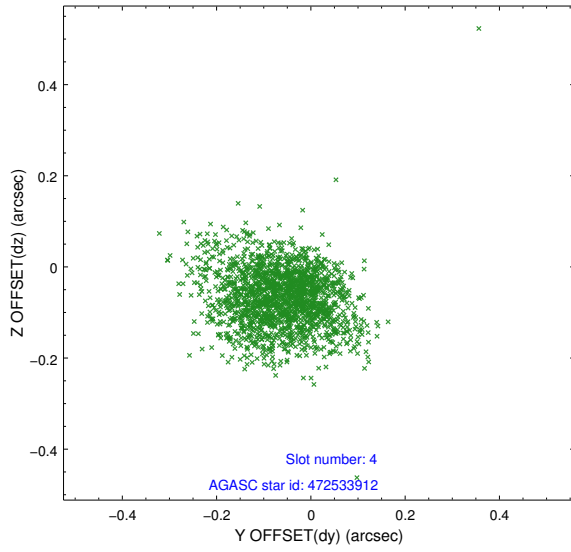
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.92	876	0.077	0.137	0.007	0.011	0.000000	0.000000	-767.34	-1530.64
1	FID	ACIS-S-4	6.98	875	0.121	-0.073	0.006	0.012	0.000000	0.000000	2145.34	375.82
2	FID	ACIS-S-5	6.97	876	-0.228	-0.054	0.007	0.012	0.000000	0.000000	-1818.08	371.84
3	GUIDE	472523760	8.22	1749	-0.128	-0.159	0.070	0.111	331.645363	45.403260	344.01	1834.77
4	GUIDE	472533912	9.15	1751	-0.062	-0.065	0.104	0.179	331.791136	46.368695	2216.06	-1115.39
5	GUIDE	472654568	9.41	1746	0.050	-0.093	0.091	0.148	332.194449	45.063576	-1505.37	1923.59
6	GUIDE	472655152	9.43	1750	0.182	0.012	0.106	0.175	332.504239	45.862991	-311.92	-806.78
7	GUIDE	472665256	9.01	1750	-0.042	0.314	0.081	0.129	332.808125	46.195041	-147.94	-2214.87

2.4 Star Slots

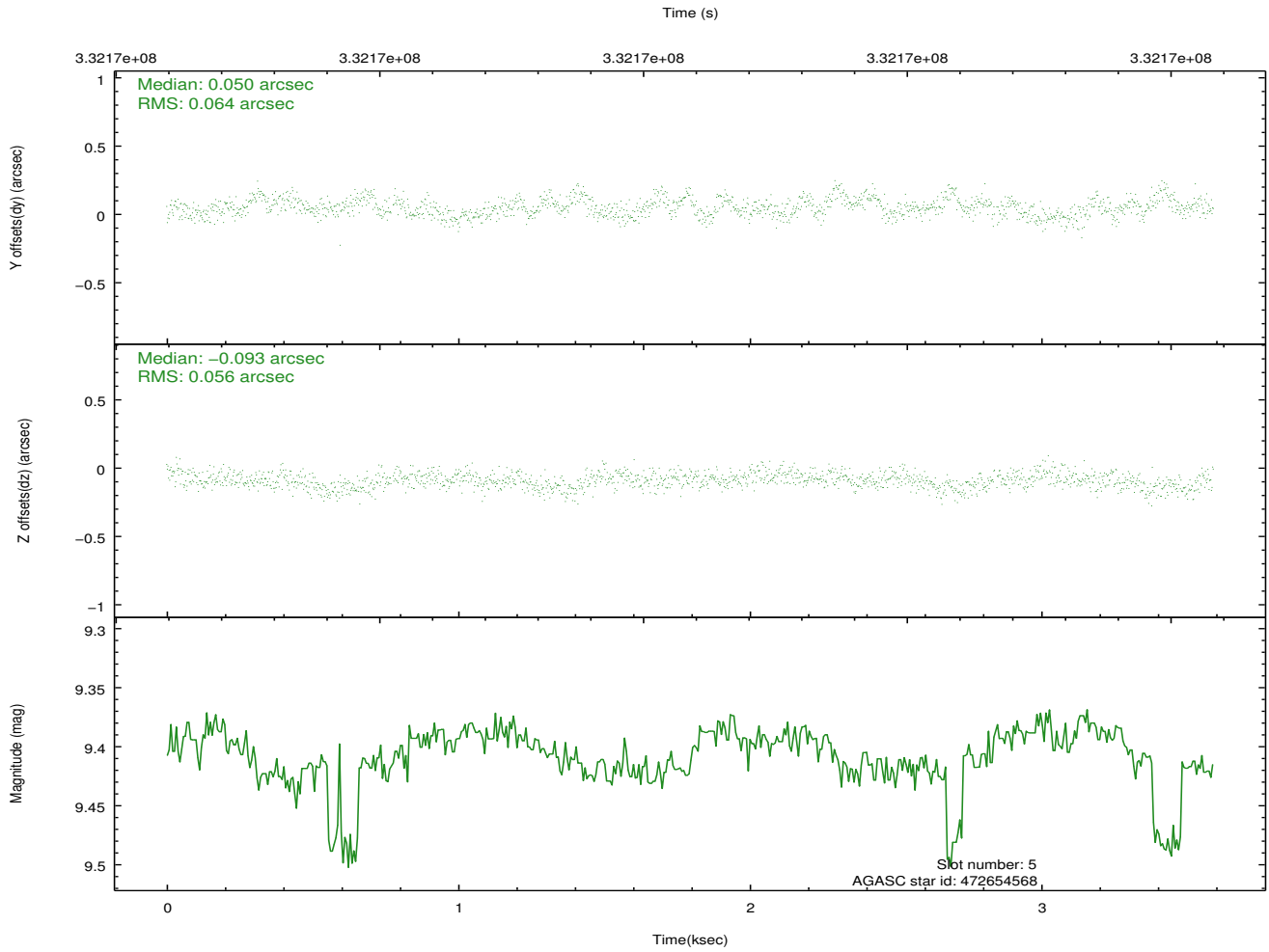
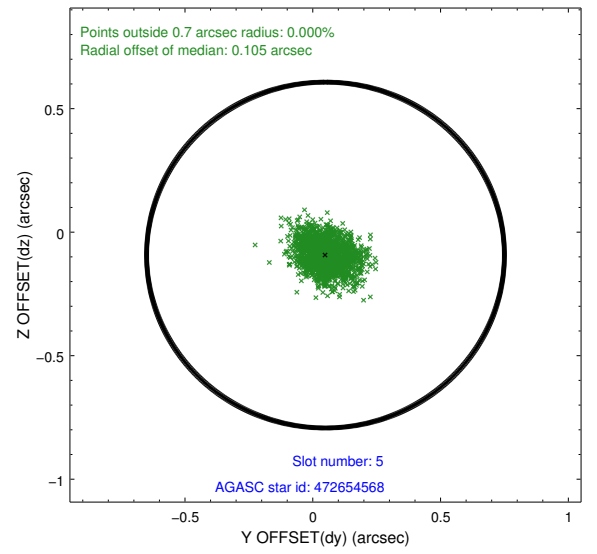
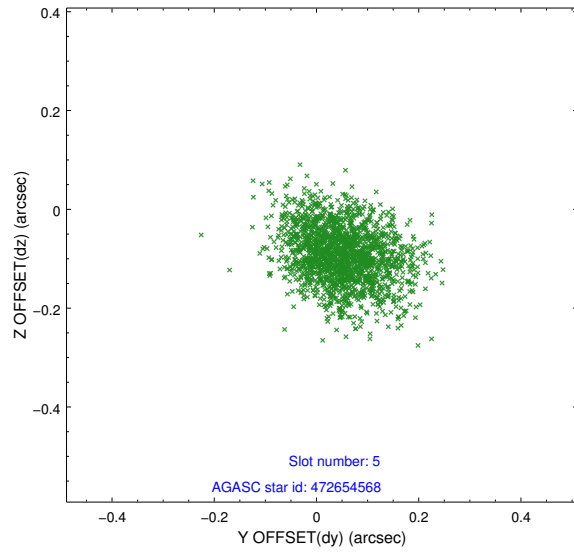
2.4.1 Slot 3



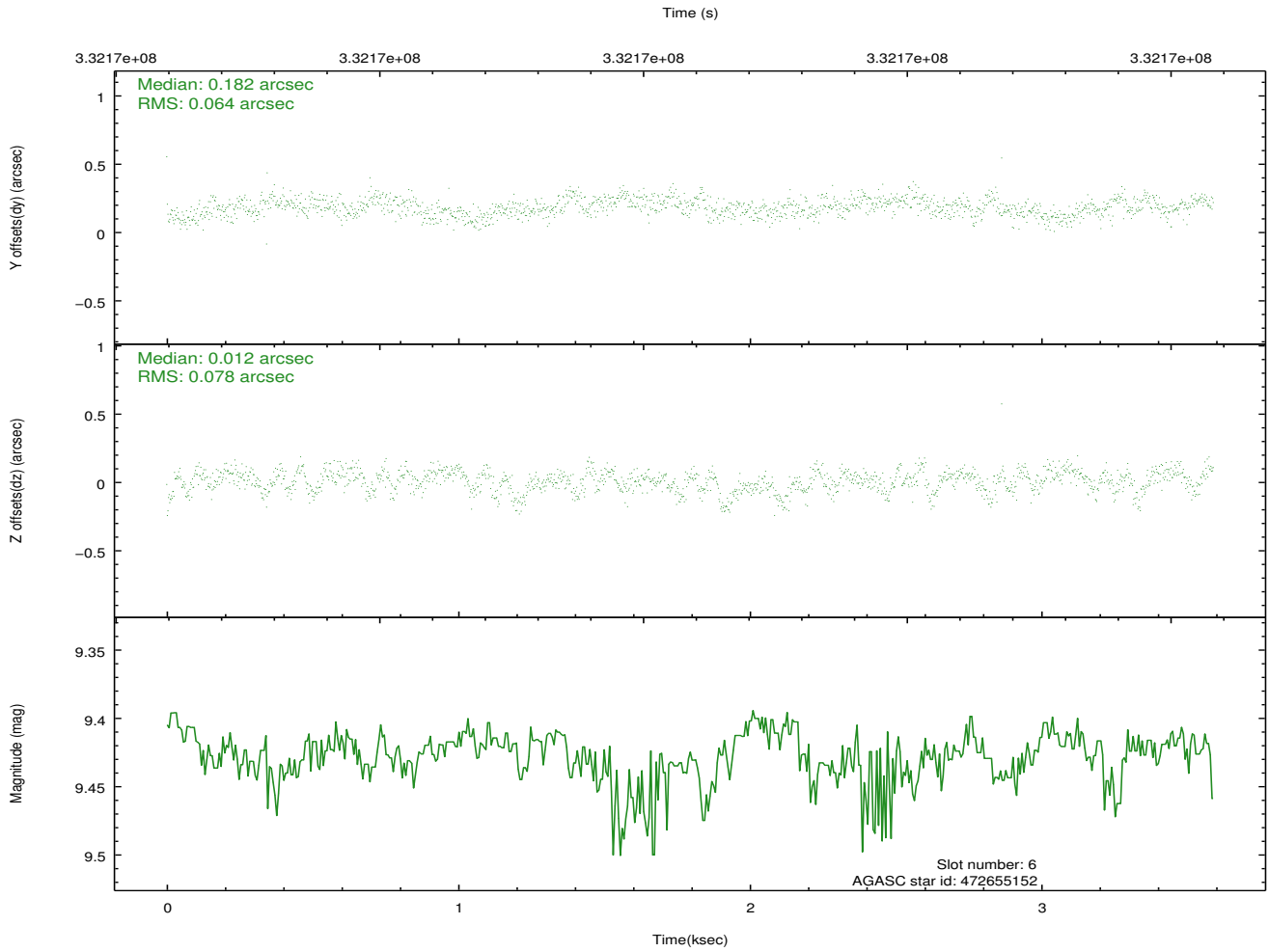
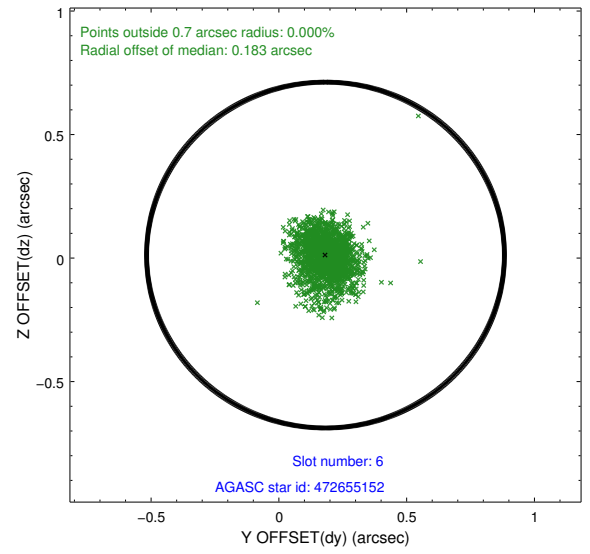
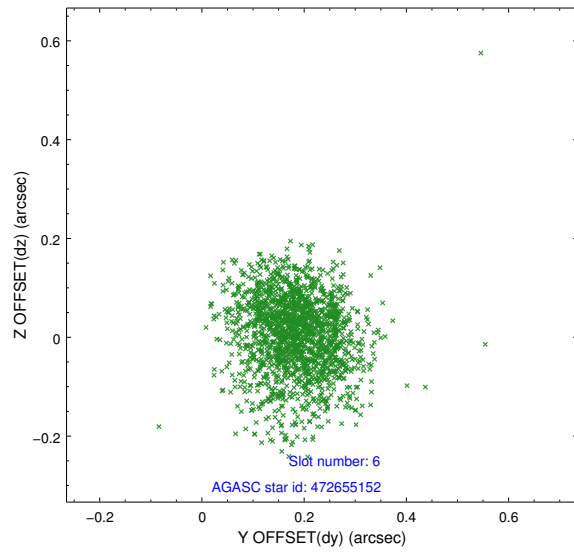
2.4.2 Slot 4



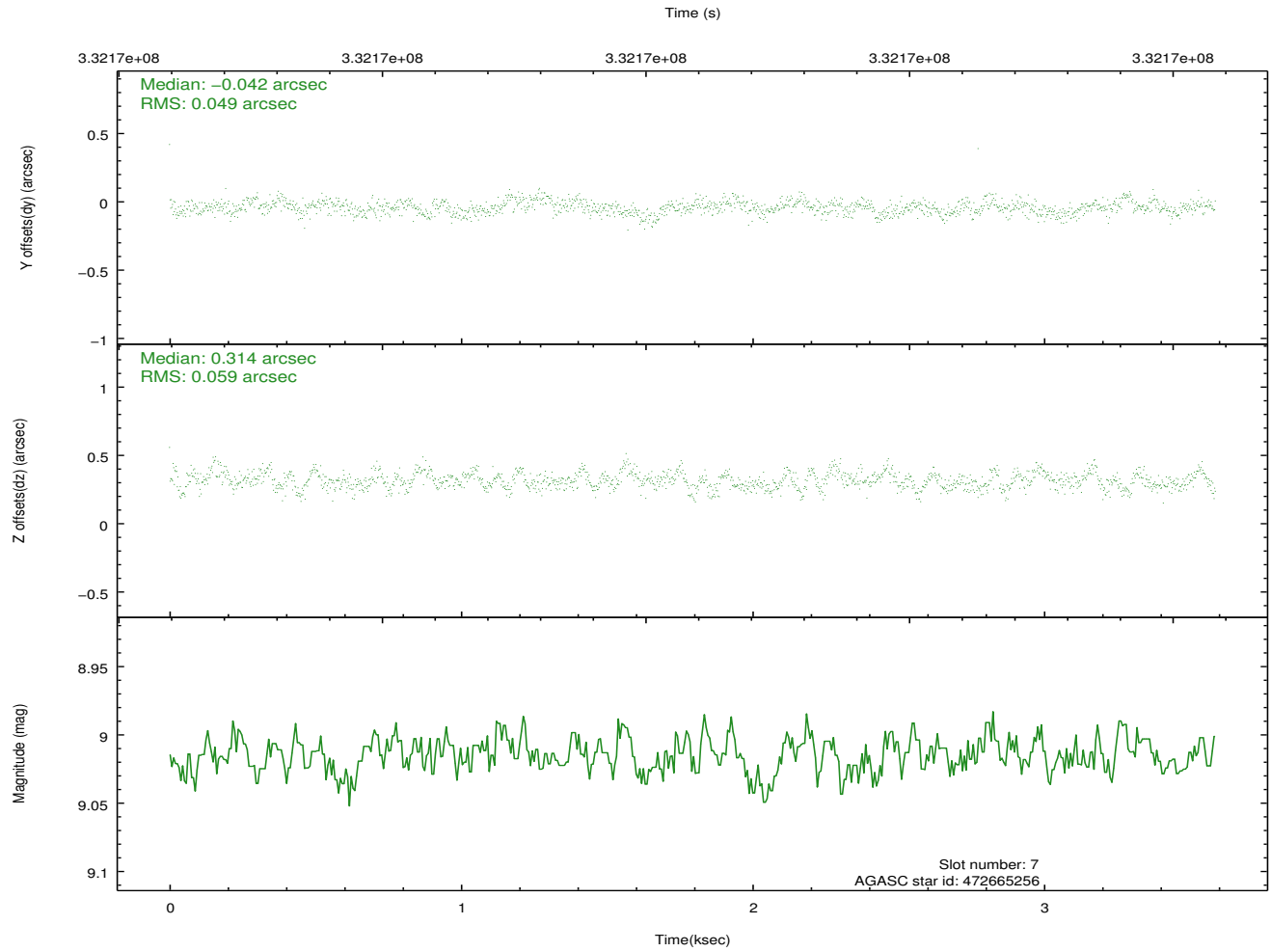
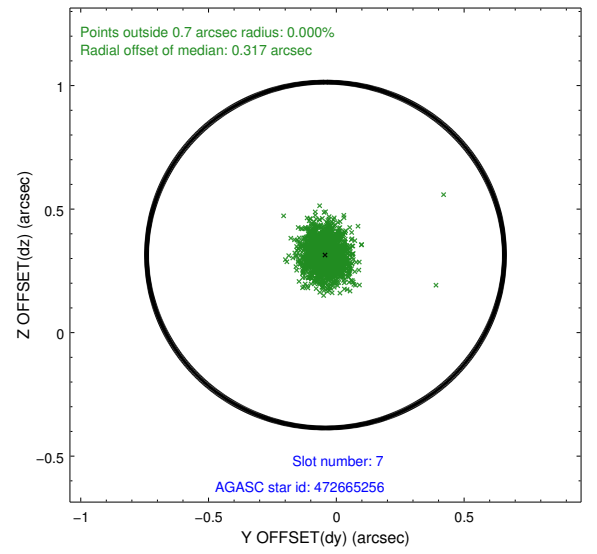
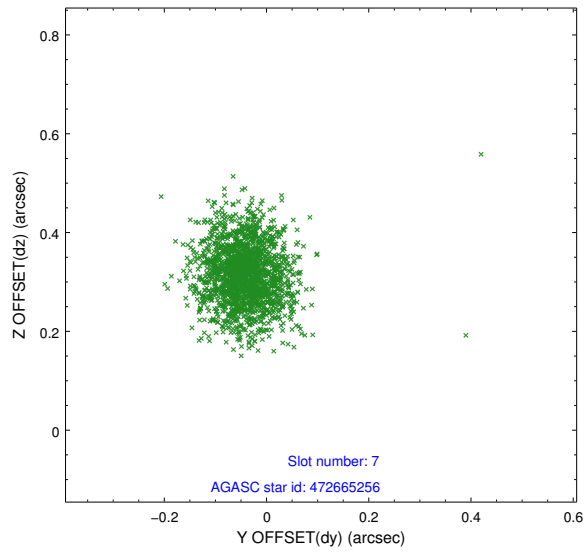
2.4.3 Slot 5



2.4.4 Slot 6

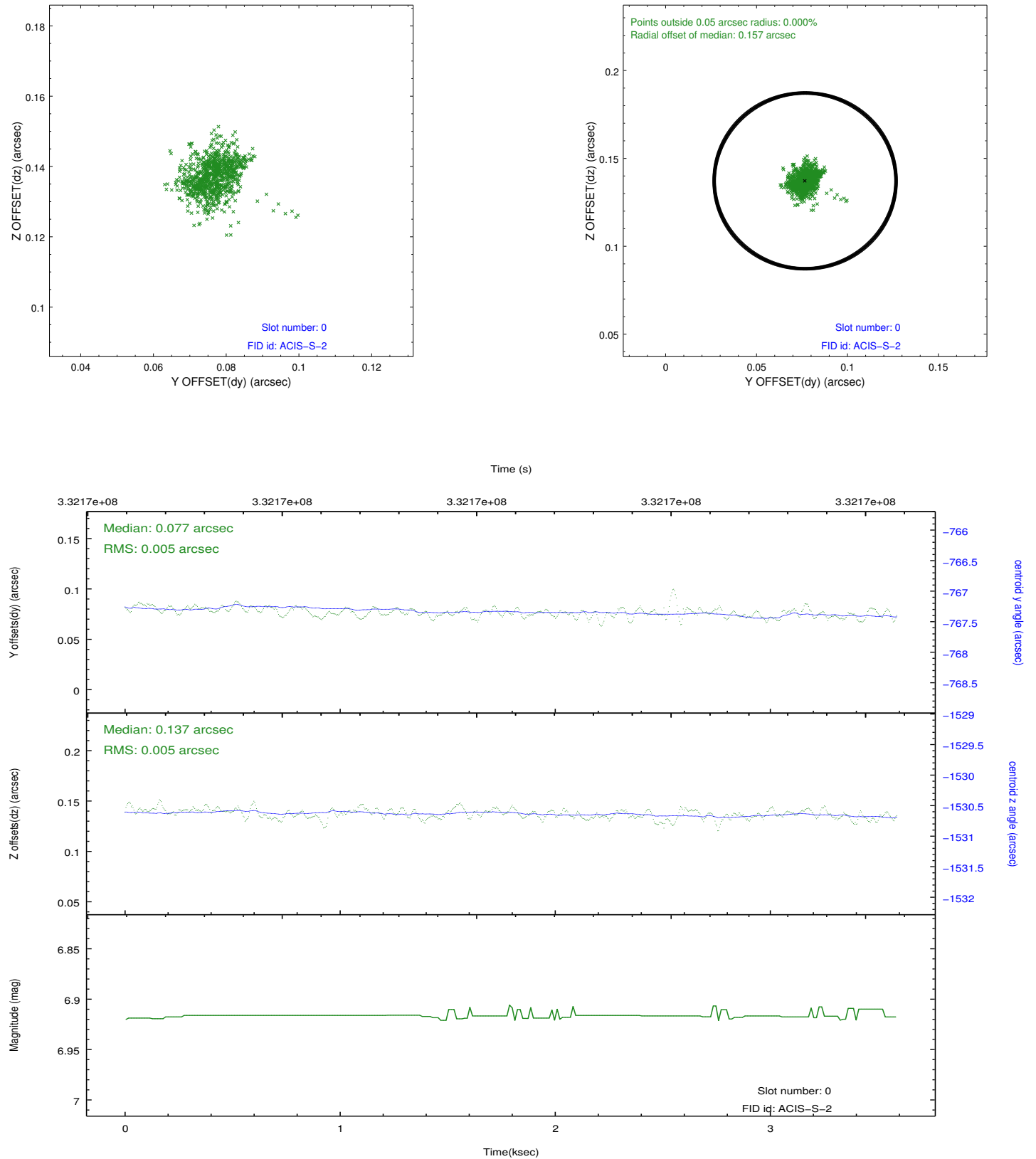


2.4.5 Slot 7

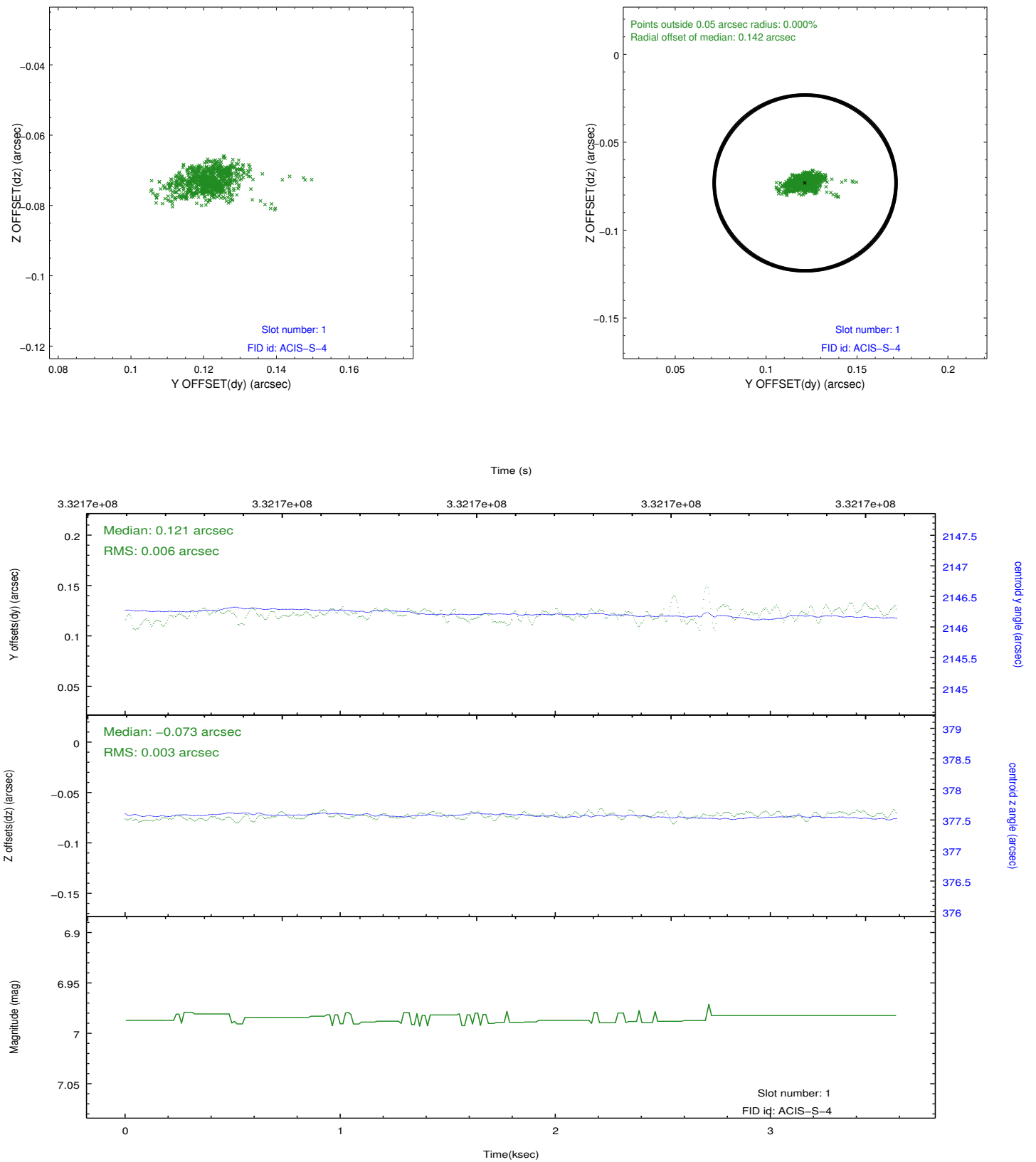


2.5 FID Slots

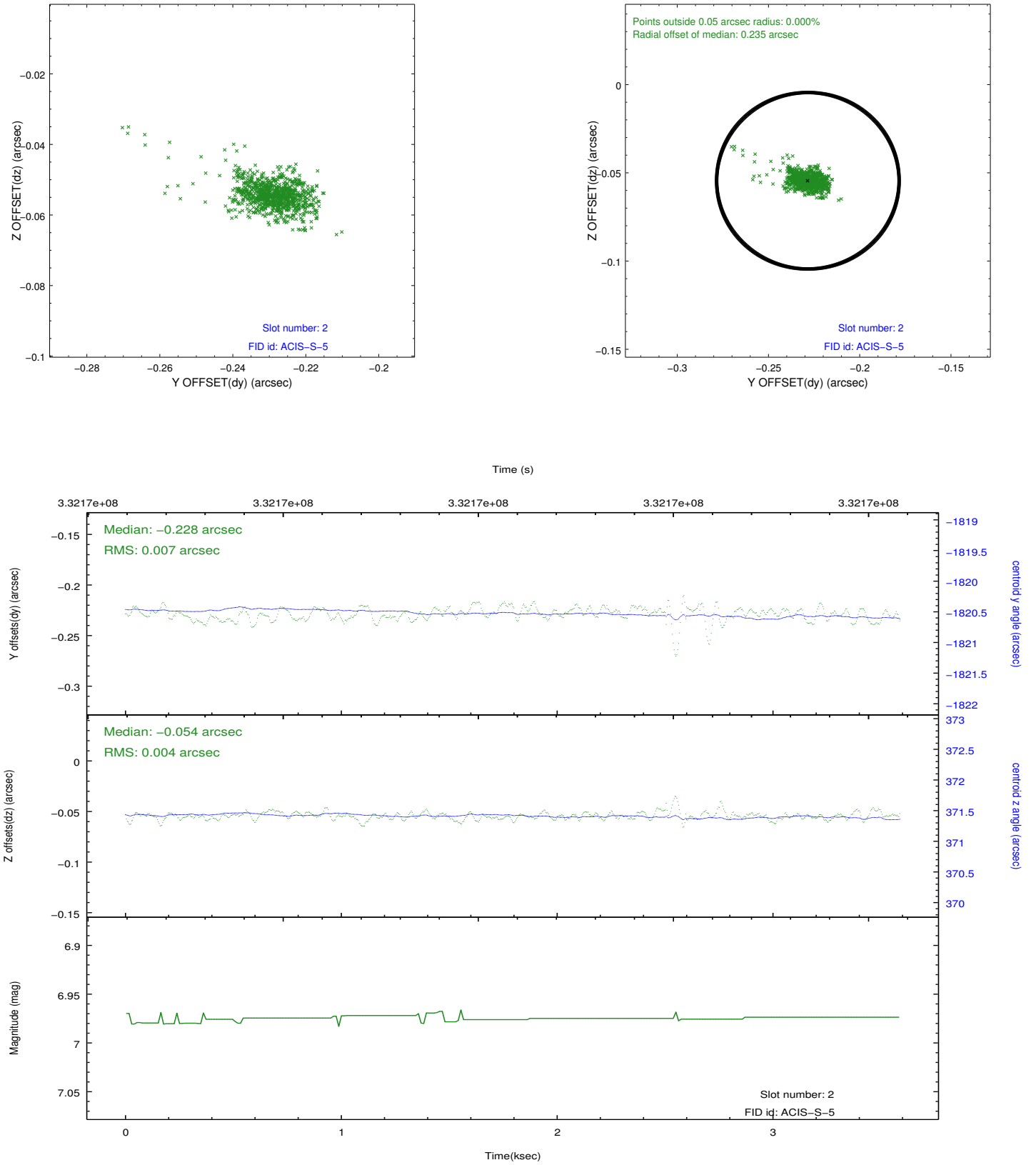
2.5.1 Slot 0



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)	2012.05.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.0455

A.2 Comments