

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13336 - L2 Version 2
Chandra X-Ray Center

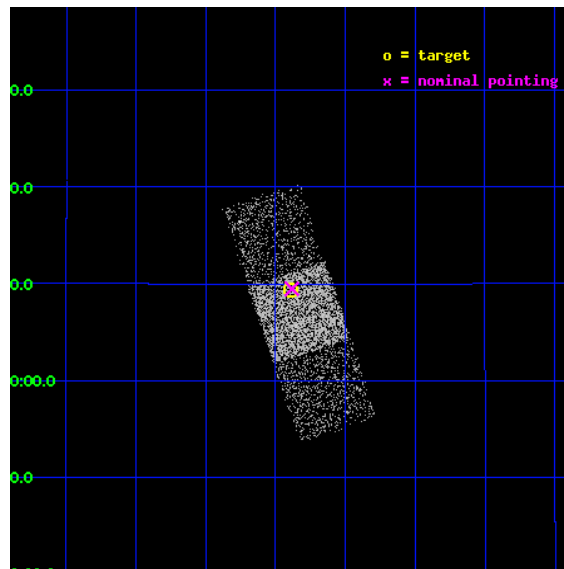
L2 Processing Date : Feb 27 2012

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

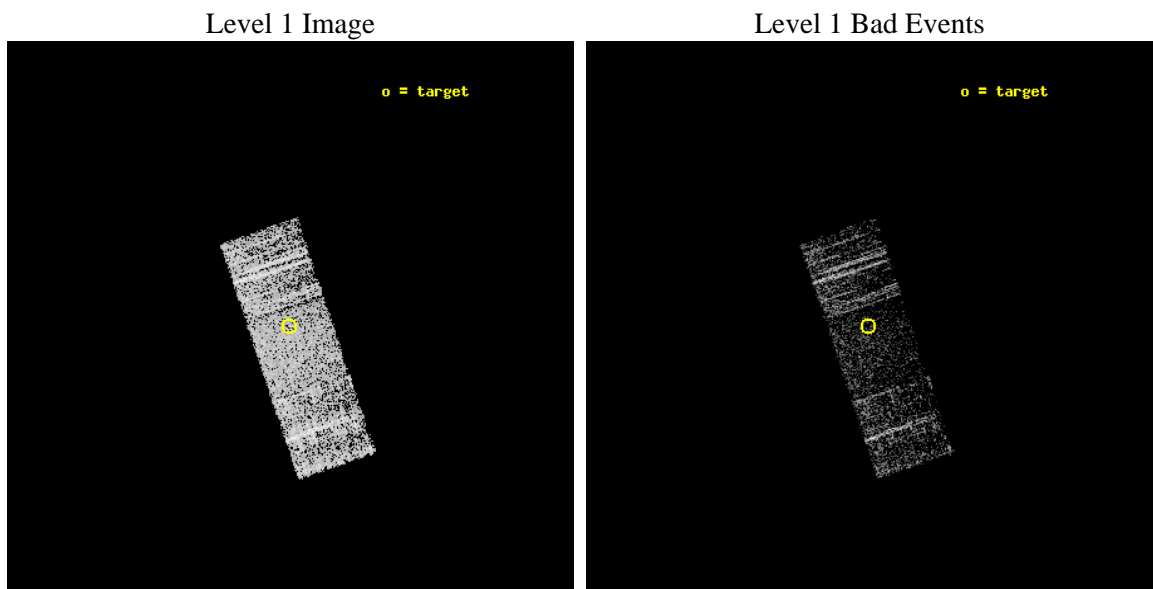
seq_num	702543	Sequence number
obs_id	13336	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	SDSS J0904+1309	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	136.0975	Observer's specified target RA [deg]
dec_targ	13.15575	Observer's specified target Dec [deg]
ra_nom	136.09576693603	Nominal RA [deg]
dec_nom	13.158029618032	Nominal Dec [deg]
roll_nom	71.360655561794	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1559.3000119925	Sum of GTIs [s]
livetime	1538.9266093958	Livetime [s]
ontime6	1559.3000119925	Sum of GTIs [s]
ontime7	1559.3000119925	Sum of GTIs [s]
ontime8	1559.3000119925	Sum of GTIs [s]
l2events	6664	Number of level 2 events



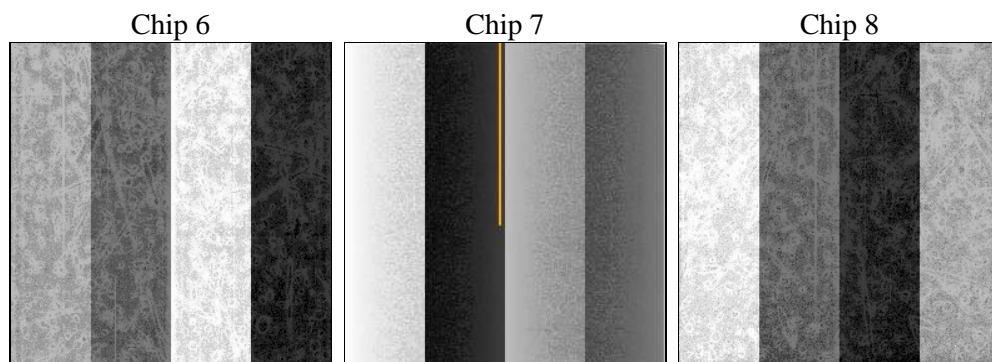
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1559.3000119925	Sum of GTIs [s]
caldsver	4.4.8	 	ontime6	1559.3000119925	Sum of GTIs [s]
date	2012-02-28T01:34:55	Date and time of file creation	ontime7	1559.3000119925	Sum of GTIs [s]
revision	2	Processing version of data	ontime8	1559.3000119925	Sum of GTIs [s]
			l1events	32035	Number of level 1 events

2.1.4 Events

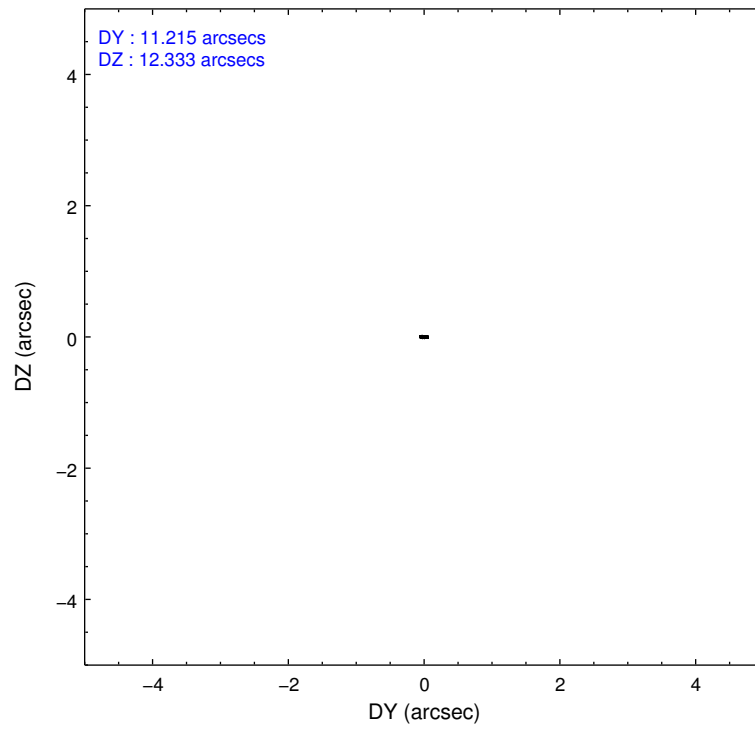
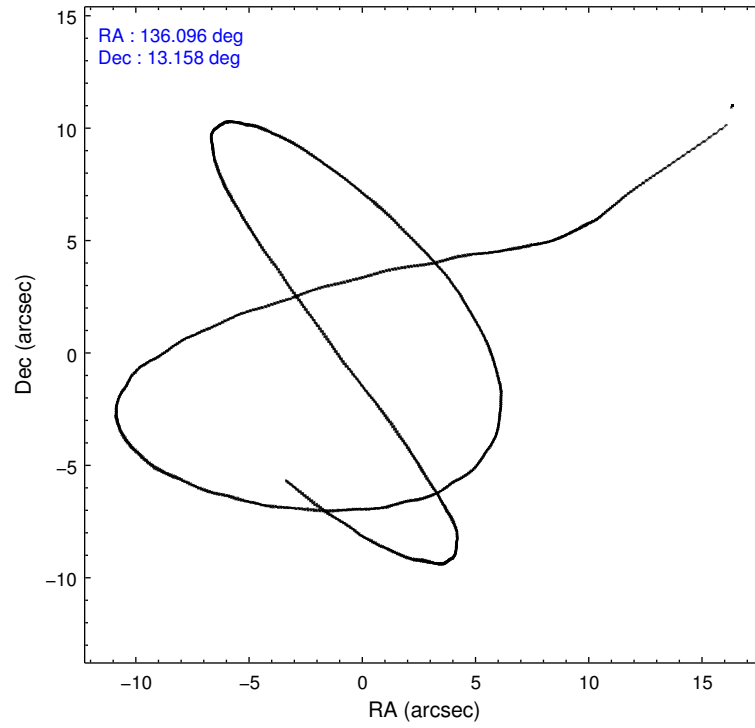
	ccd 6	ccd 7	ccd 8
level 1 events	10637	9975	11423
rejected events	9550	5127	8230
rejected %	89%	51%	72%

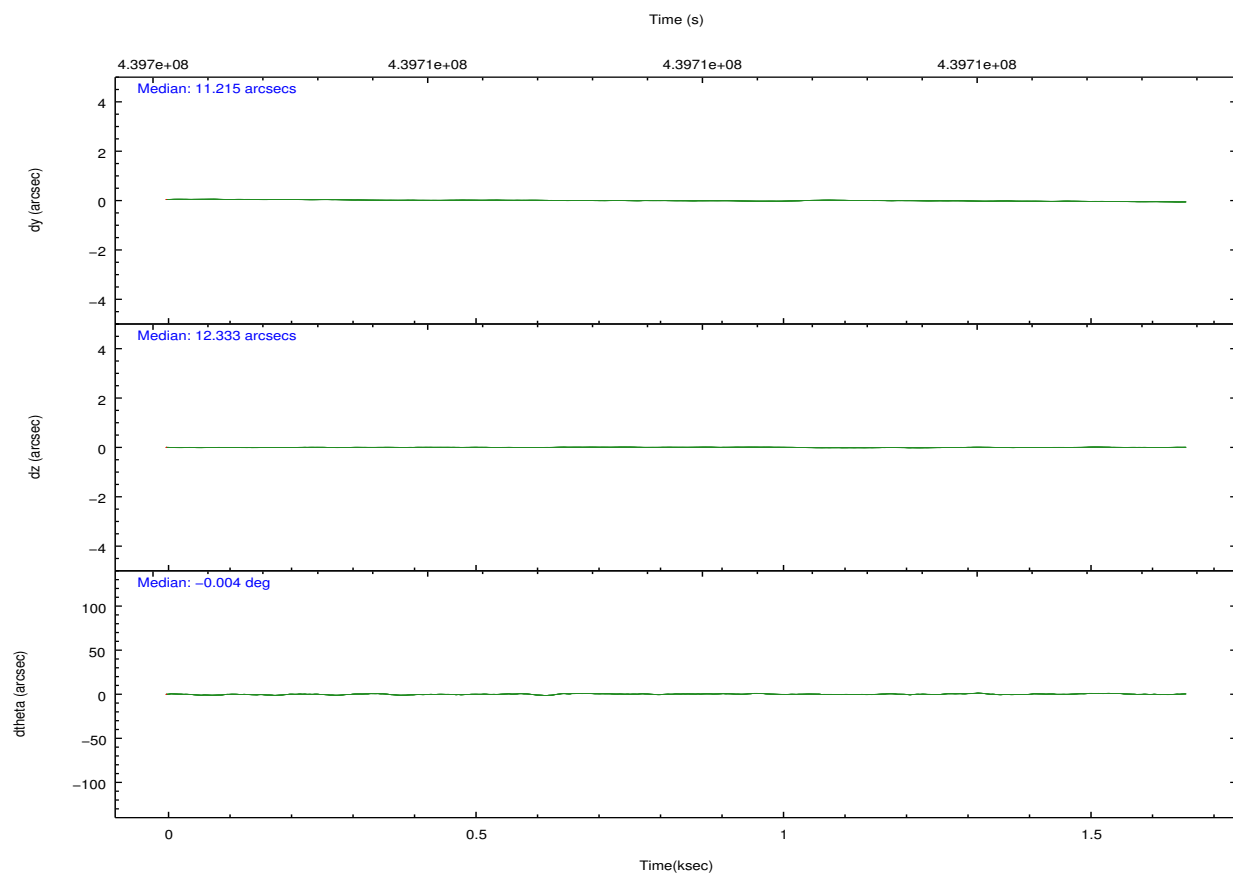
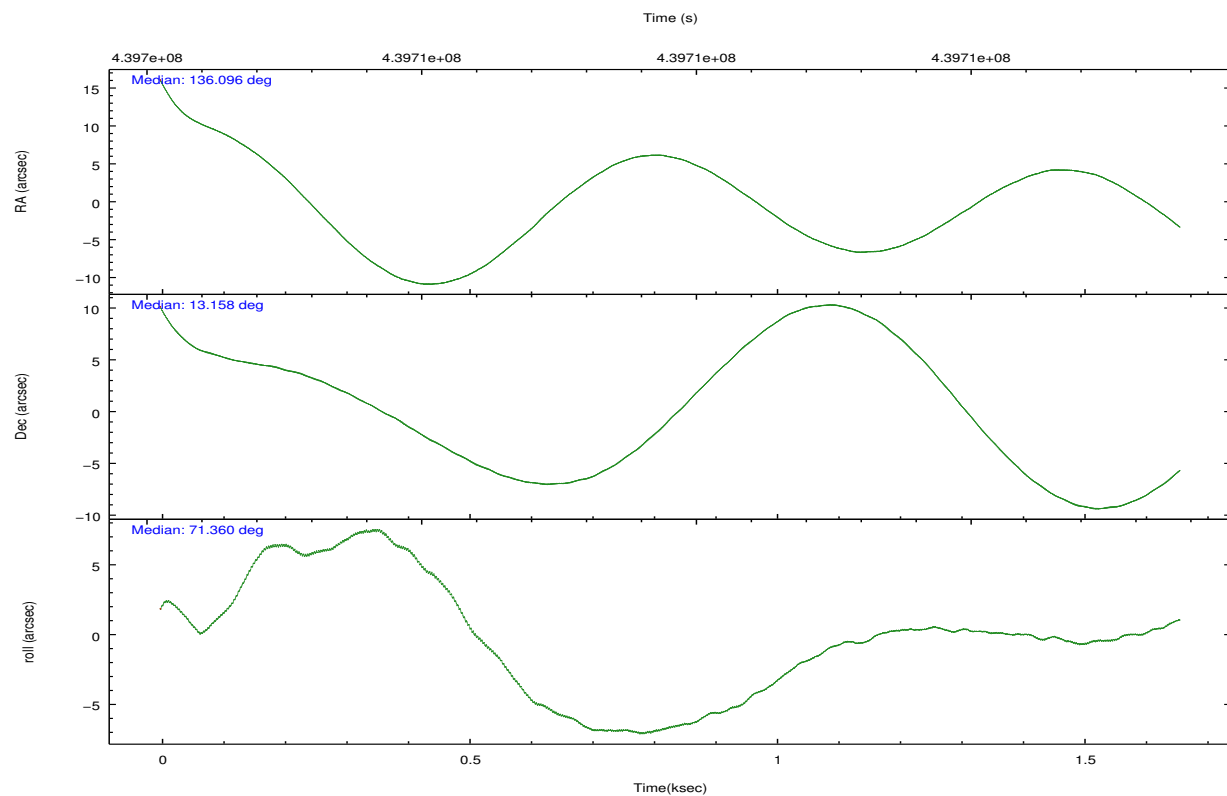
	ccd 6	ccd 7	ccd 8
grade 0 events	426	501	910
	4%	5%	7%
grade 1 events	7	15	11
	0%	0%	0%
grade 2 events	228	963	778
	2%	9%	6%
grade 3 events	101	432	356
	0%	4%	3%
grade 4 events	116	418	274
	1%	4%	2%
grade 5 events	398	1054	595
	3%	10%	5%
grade 6 events	217	2547	887
	2%	25%	7%
grade 7 events	9144	4045	7612
	85%	40%	66%

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	136.101461	136.0957669360346	Subarray requested	NONE	NONE
[deg] Pointing Dec	13.131375	13.15802961803163	Alternating exposures requested	N	N
[deg] Pointing Roll	71.202690	71.36065556179386	[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)	439705275.184000	439704435.41213			
Observation start date	2011-12-08T04:20:09	2011-12-08T04:07:15			
[s] Observation end time (MET)	439706775.184000	439707372.54978			
Observation end date	2011-12-08T04:45:09	2011-12-08T04:56:12			
Read mode	TIMED	TIMED			

2.3 Aspect



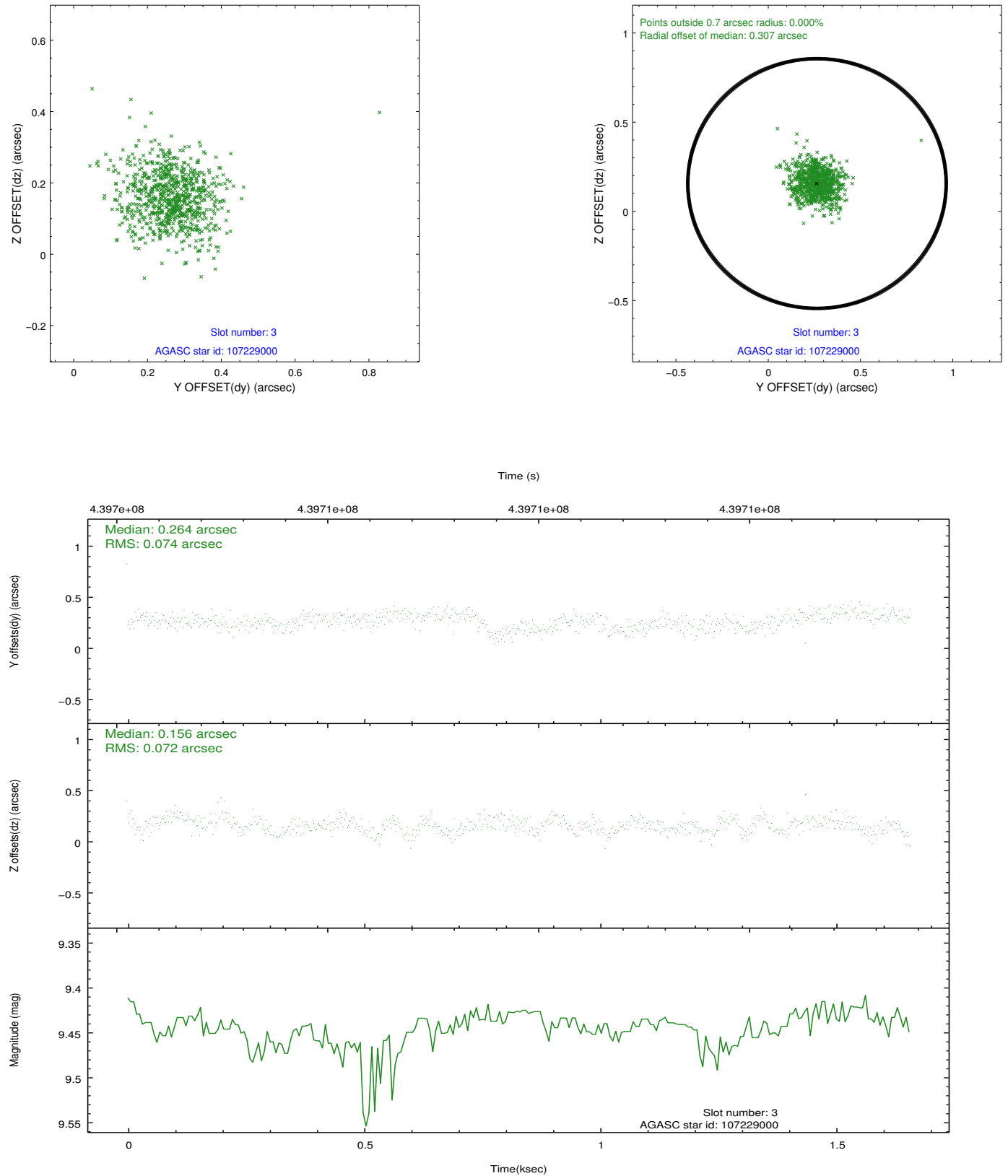


Slot Statistics

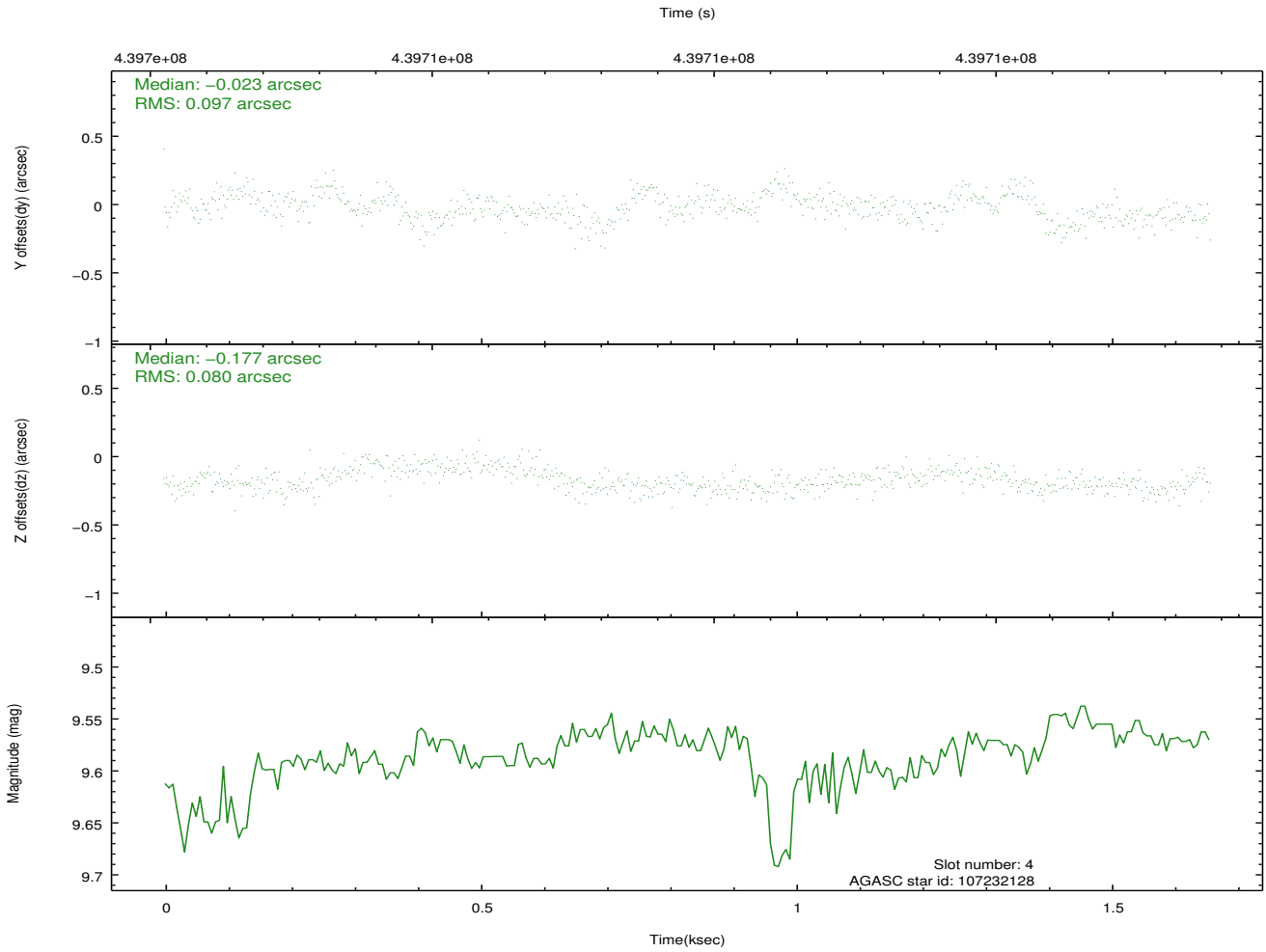
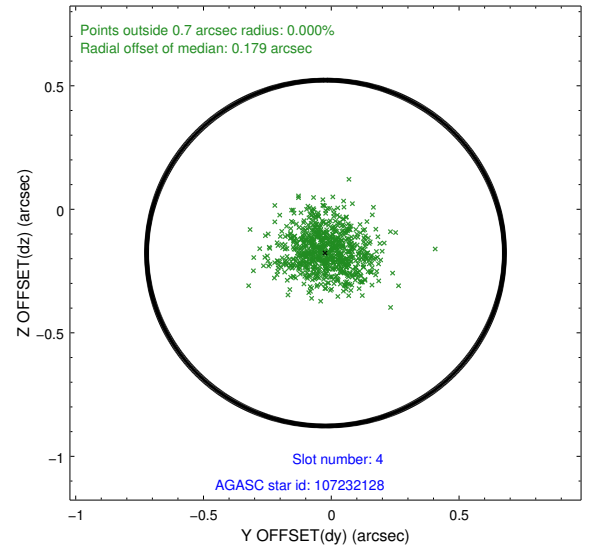
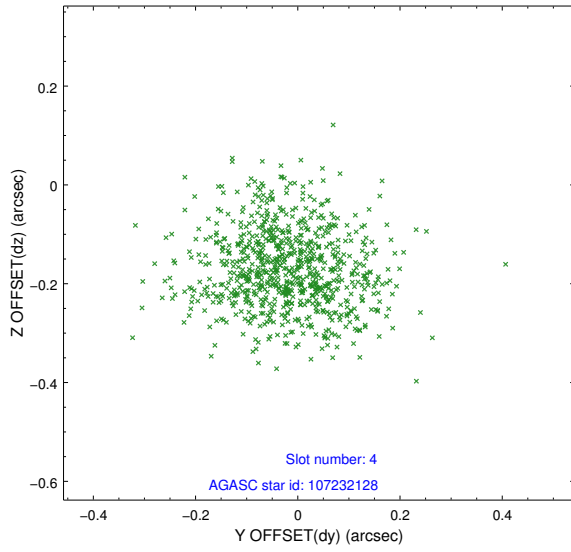
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.01	405	0.004	-0.044	0.006	0.010	0.000000	0.000000	-764.09	-1733.63
1	FID	ACIS-S-5	7.14	405	-0.099	0.017	0.006	0.010	0.000000	0.000000	-1819.11	164.30
2	FID	ACIS-S-6	7.24	405	0.069	0.035	0.006	0.010	0.000000	0.000000	393.28	812.71
3	GUIDE	107229000	9.44	810	0.264	0.156	0.106	0.175	136.370038	12.738727	-1033.70	-1347.00
4	GUIDE	107232128	9.58	810	-0.023	-0.177	0.133	0.219	136.242020	13.760875	2302.79	264.30
5	GUIDE	107232496	9.35	810	-0.026	0.113	0.118	0.196	136.686518	13.246897	1059.79	-1804.39
6	GUIDE	107232696	7.27	809	-0.032	0.035	0.074	0.111	136.242089	13.343947	884.80	-220.83
7	GUIDE	107226608	9.59	808	-0.176	-0.136	0.113	0.179	135.923828	13.258450	234.14	737.25

2.4 Star Slots

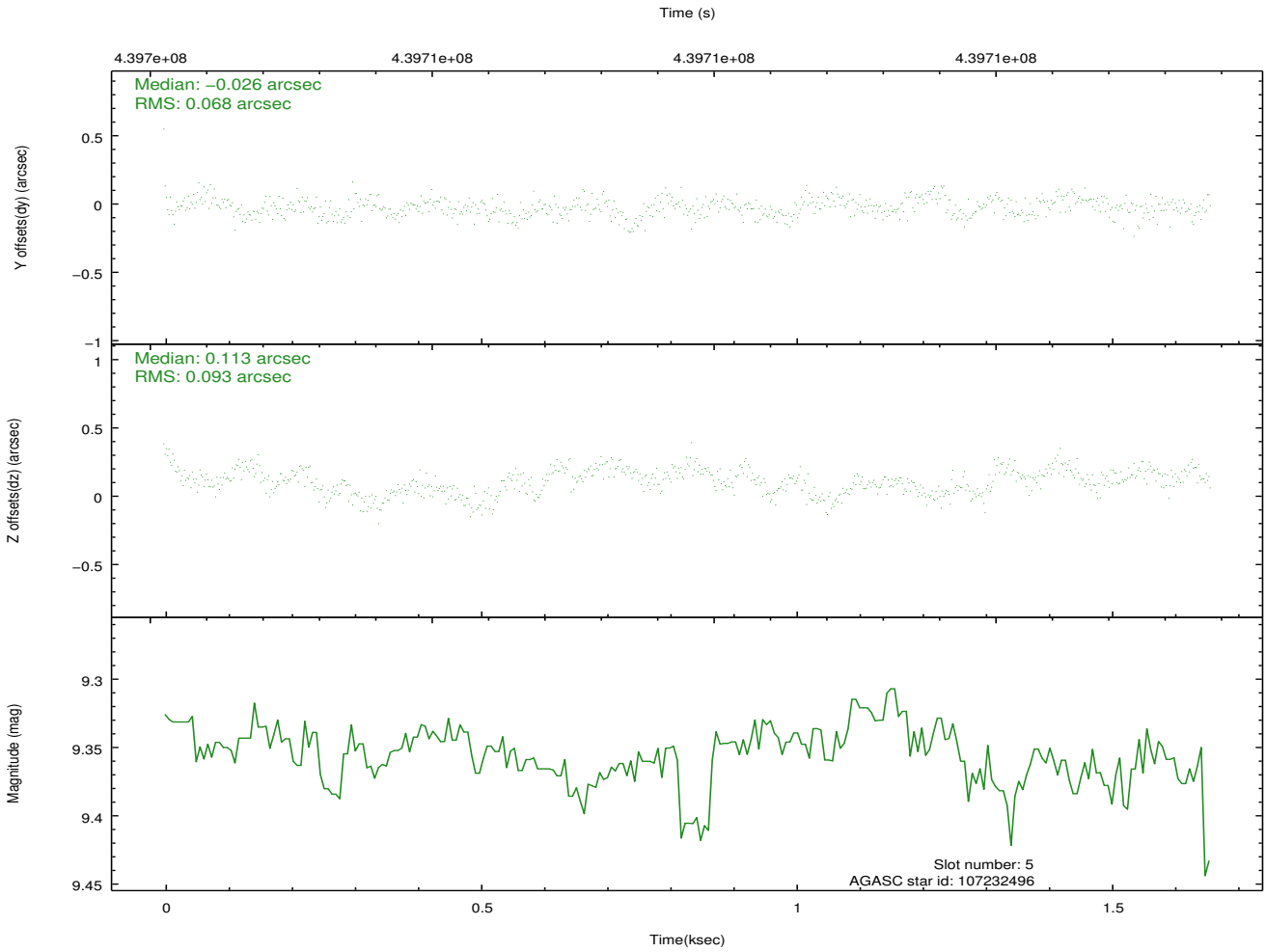
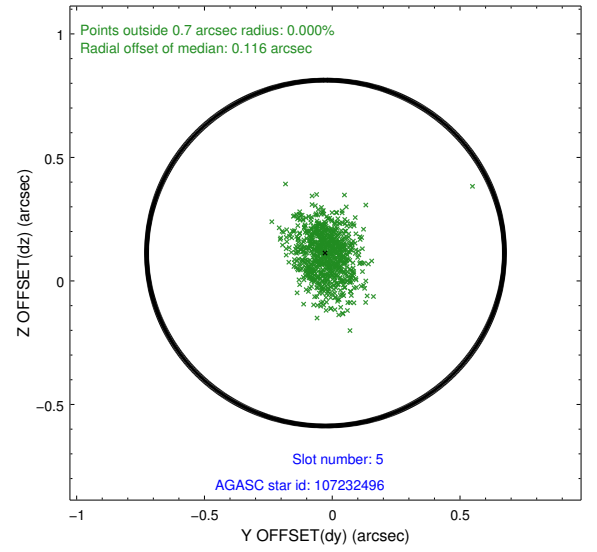
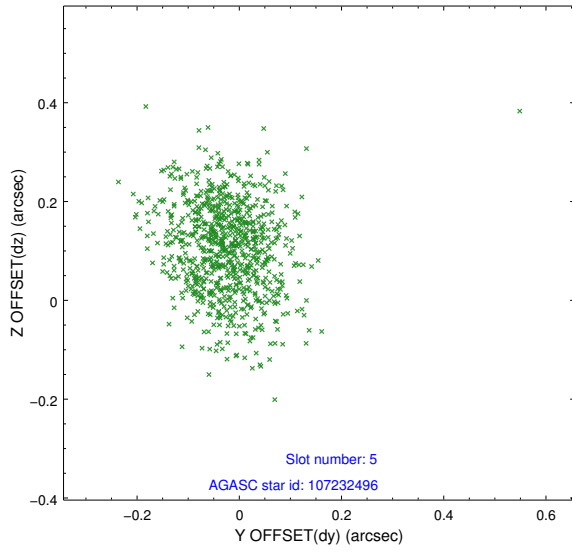
2.4.1 Slot 3



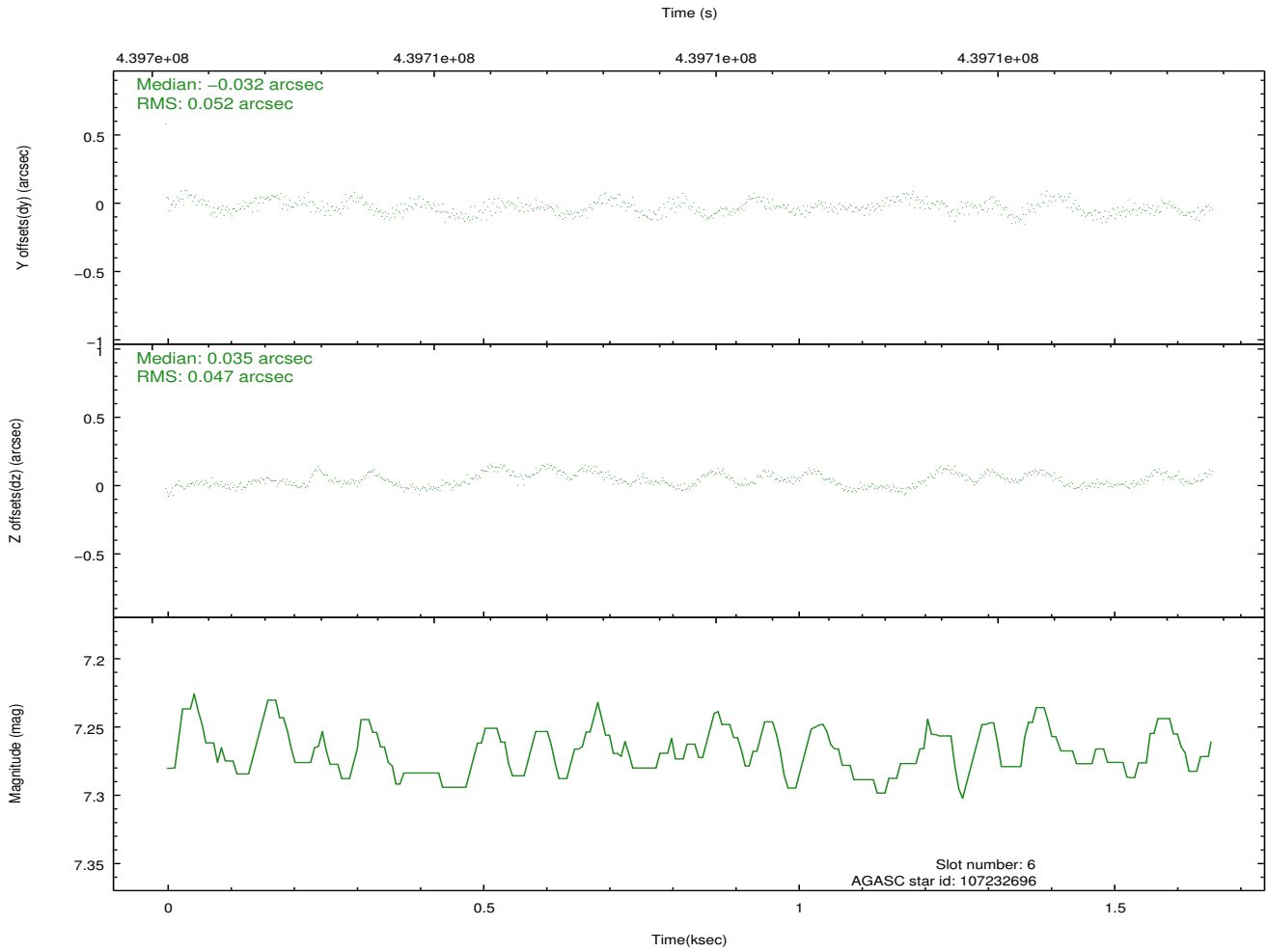
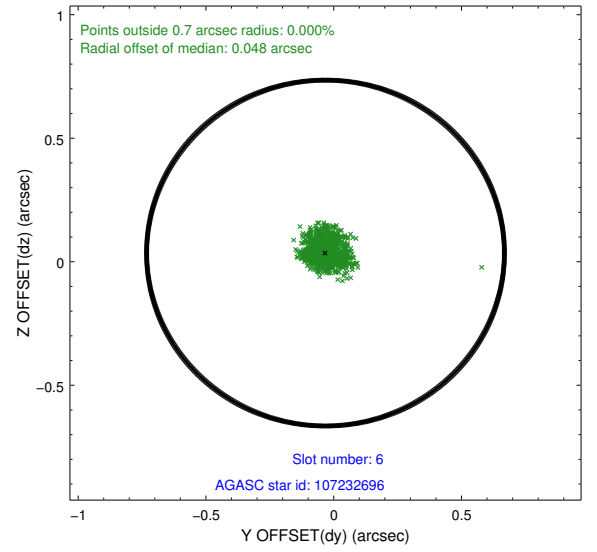
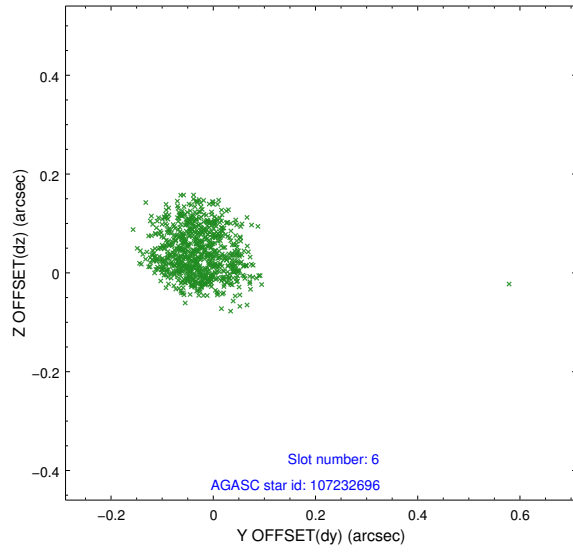
2.4.2 Slot 4



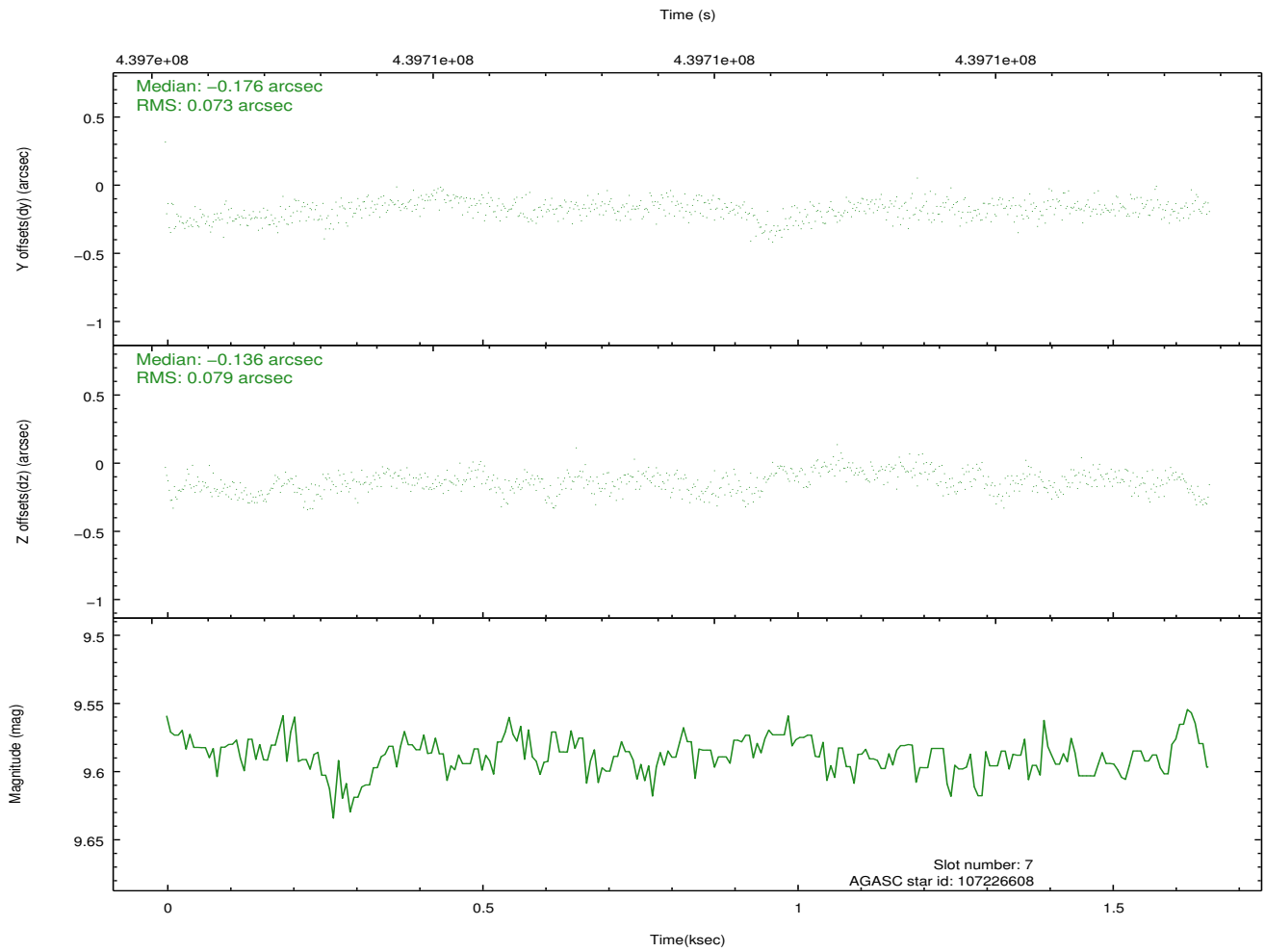
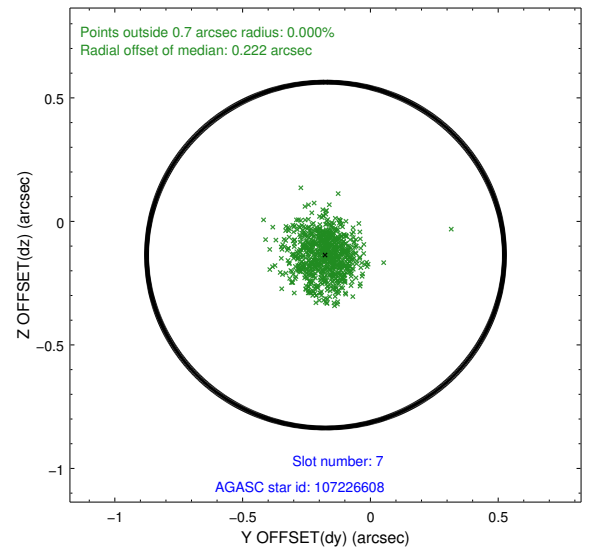
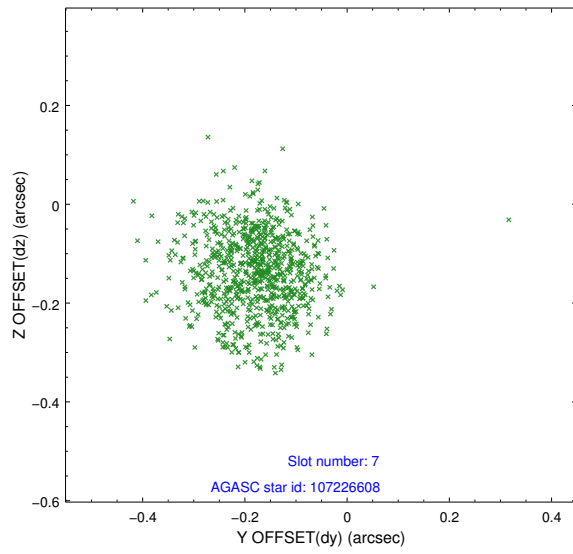
2.4.3 Slot 5



2.4.4 Slot 6

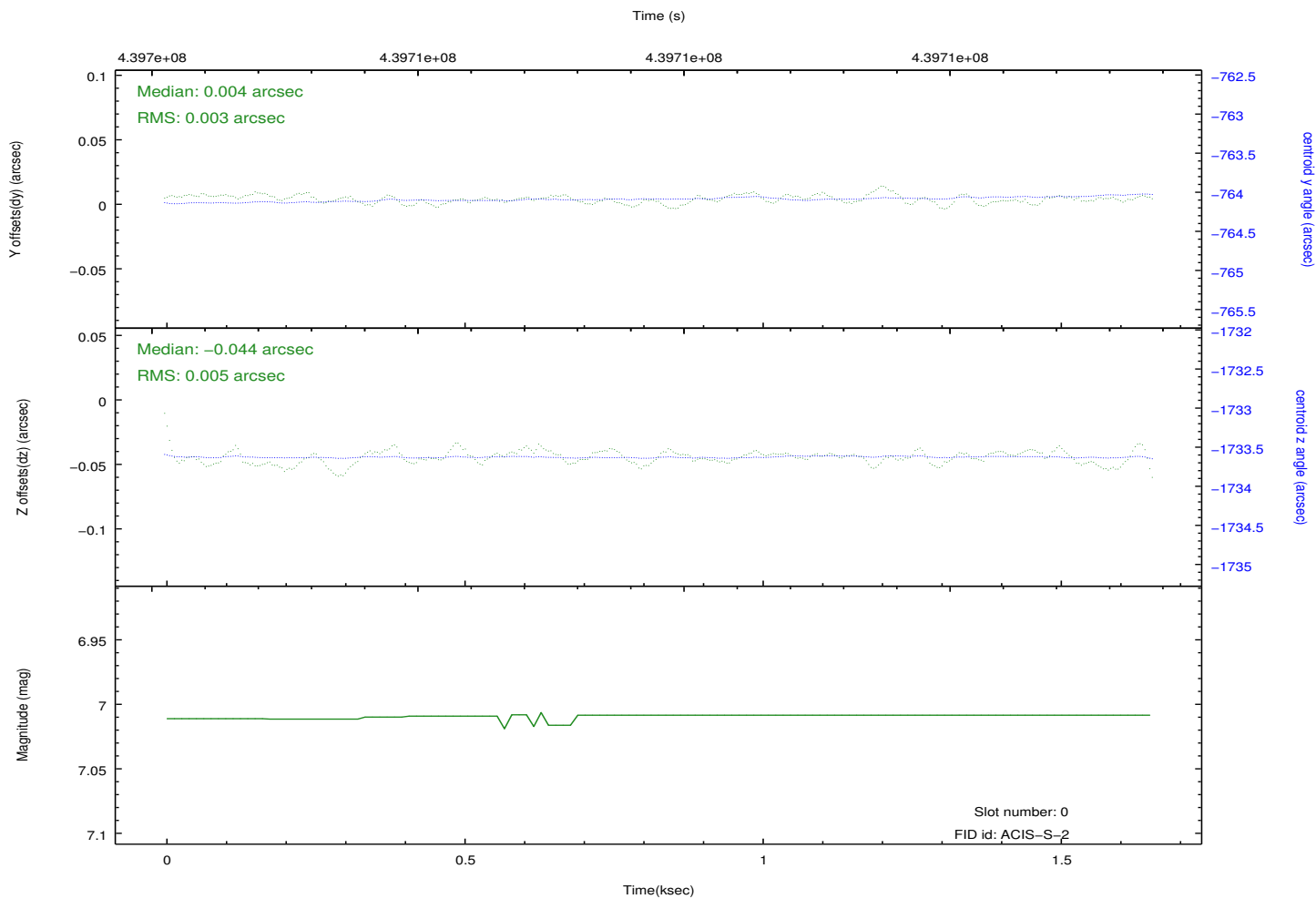
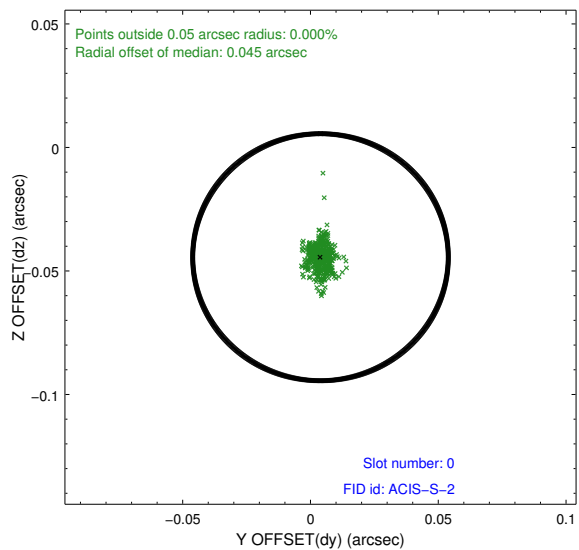
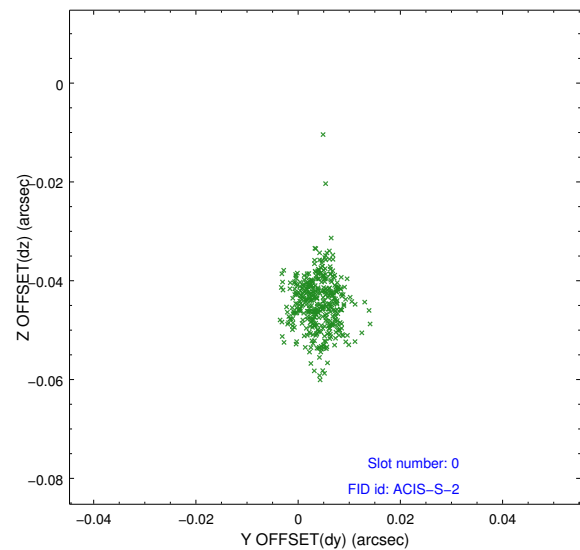


2.4.5 Slot 7

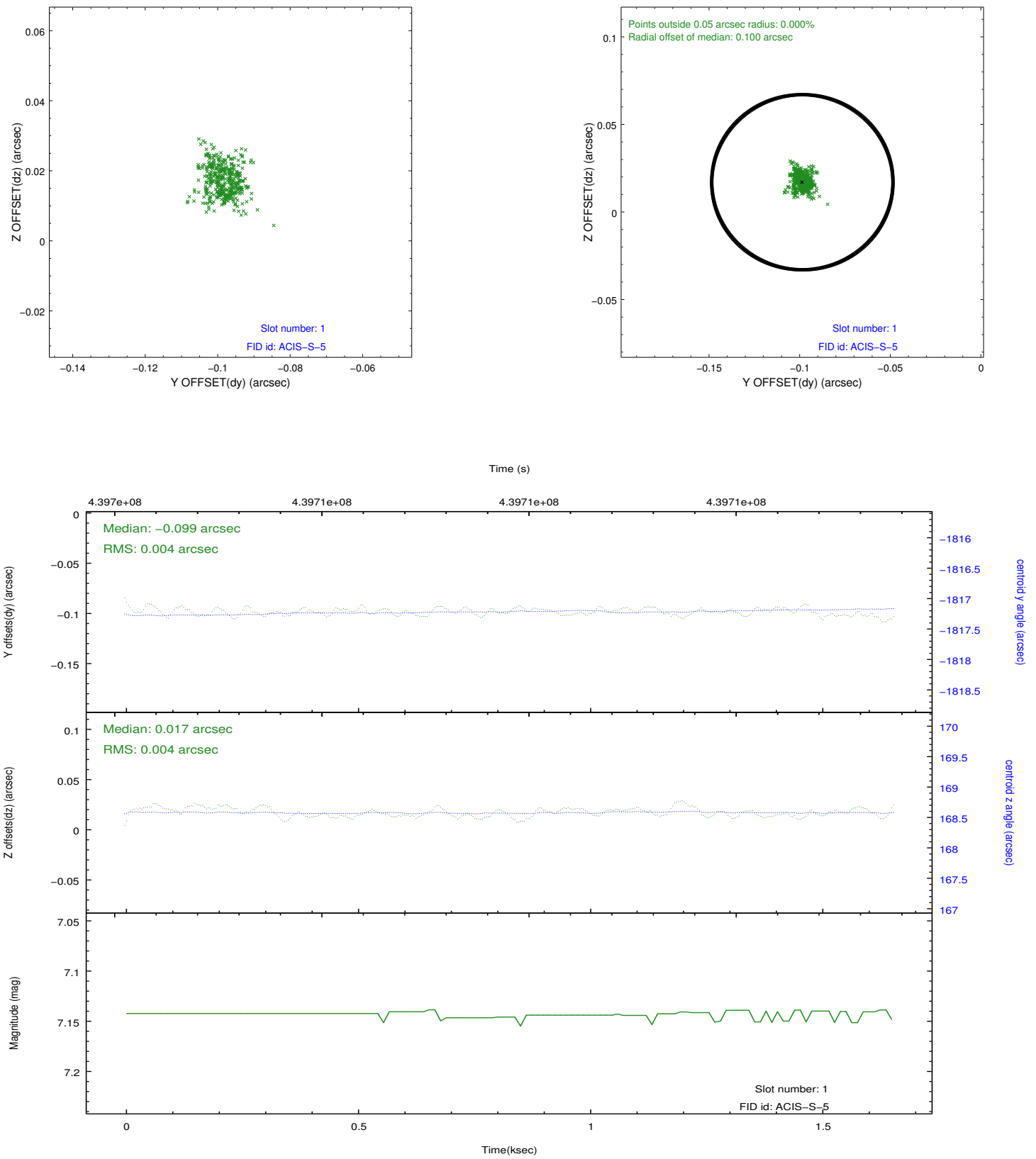


2.5 FID Slots

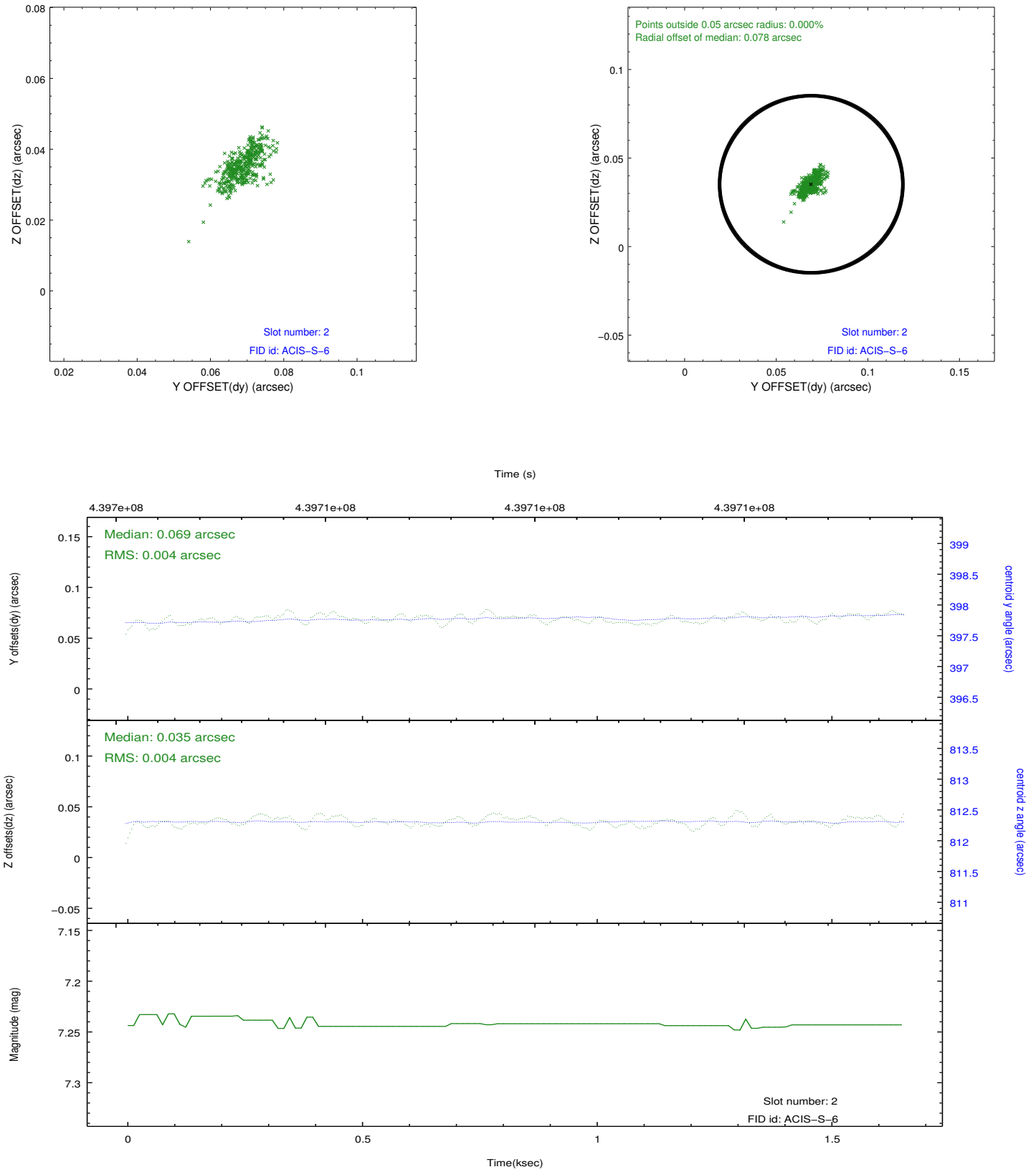
2.5.1 Slot 0



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)	2012.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5593000119925

A.2 Comments