

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13359 - L2 Version 1
Chandra X-Ray Center

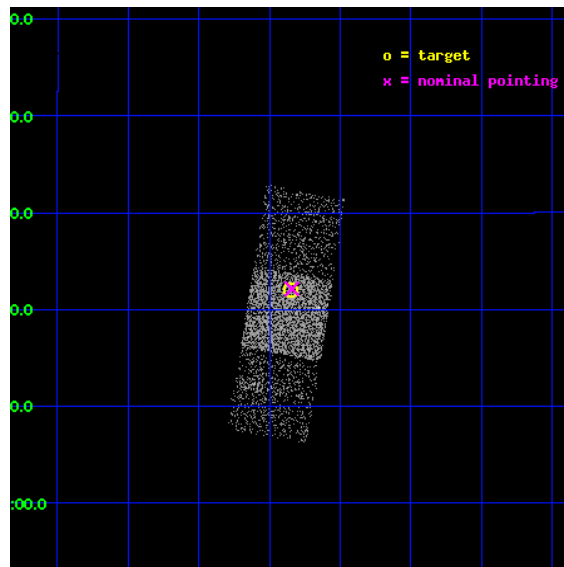
L2 Processing Date : Mar 16 2012

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

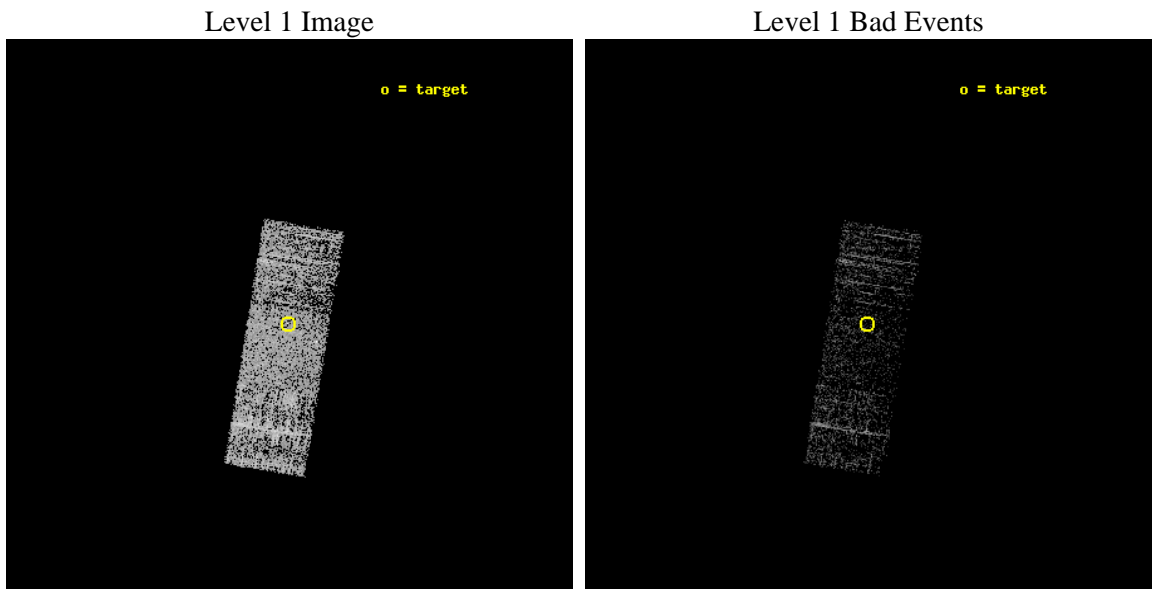
seq_num	702566	Sequence number
obs_id	13359	Observation id
title	A Large, Economical Snapshot Survey of the Most-Luminous Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. Gordon Garmire	Principal investigator
object	SDSS J1413+0922	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	213.337917	Observer's specified target RA [deg]
dec_targ	9.368	Observer's specified target Dec [deg]
ra_nom	213.33526710491	Nominal RA [deg]
dec_nom	9.3690184711295	Nominal Dec [deg]
roll_nom	99.23306455199	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1581.0000121593	Sum of GTIs [s]
livetime	1560.3430830852	Livetime [s]
ontime6	1581.0000121593	Sum of GTIs [s]
ontime7	1581.0000121593	Sum of GTIs [s]
ontime8	1581.0000121593	Sum of GTIs [s]
l2events	6215	Number of level 2 events



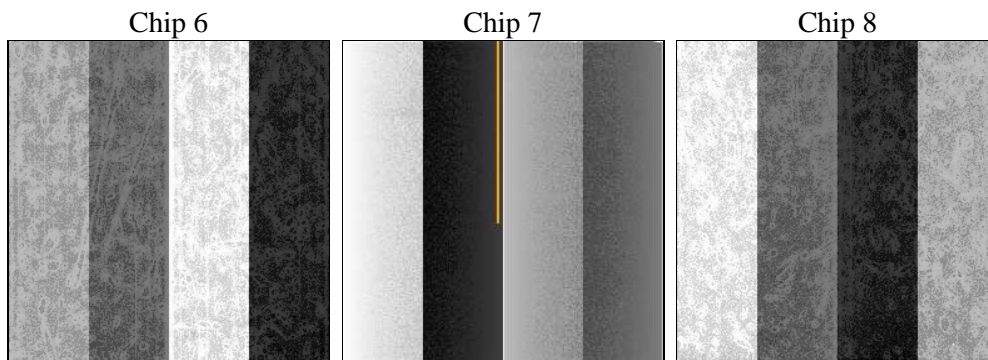
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	1500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	1581.0000121593	Sum of GTIs [s]
caldbver	4.4.8	 	ontime6	1581.0000121593	Sum of GTIs [s]
date	2012-03-16T07:22:14	Date and time of file creation	ontime7	1581.0000121593	Sum of GTIs [s]
revision	1	Processing version of data	ontime8	1581.0000121593	Sum of GTIs [s]
			l1events	26647	Number of level 1 events

2.1.4 Events

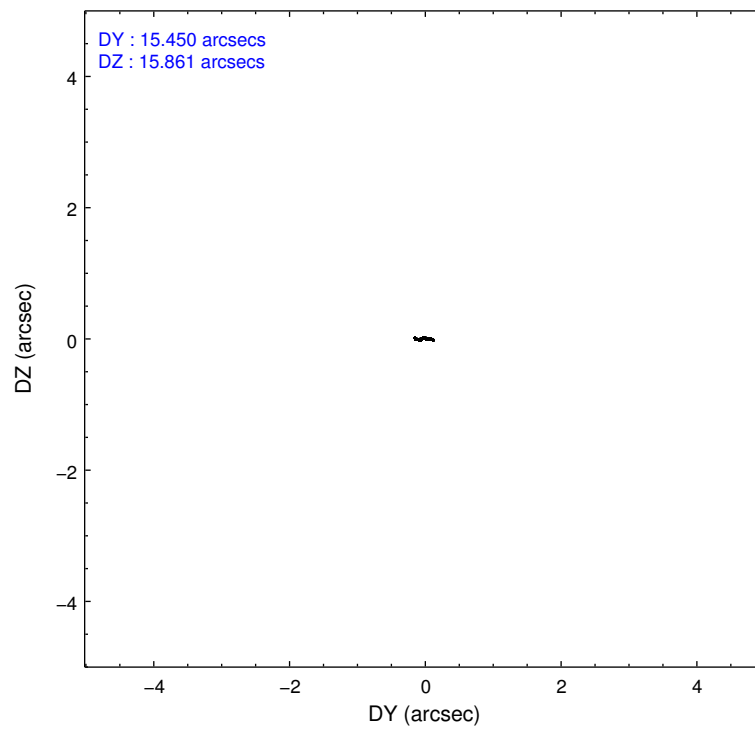
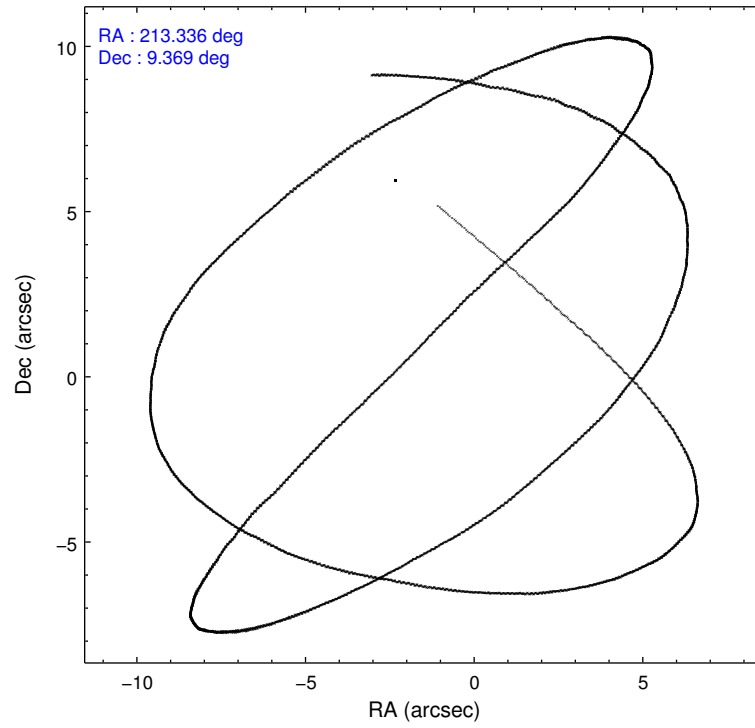
	ccd 6	ccd 7	ccd 8
level 1 events	7479	8730	10438
rejected events	6487	4289	6649
rejected %	86%	49%	63%

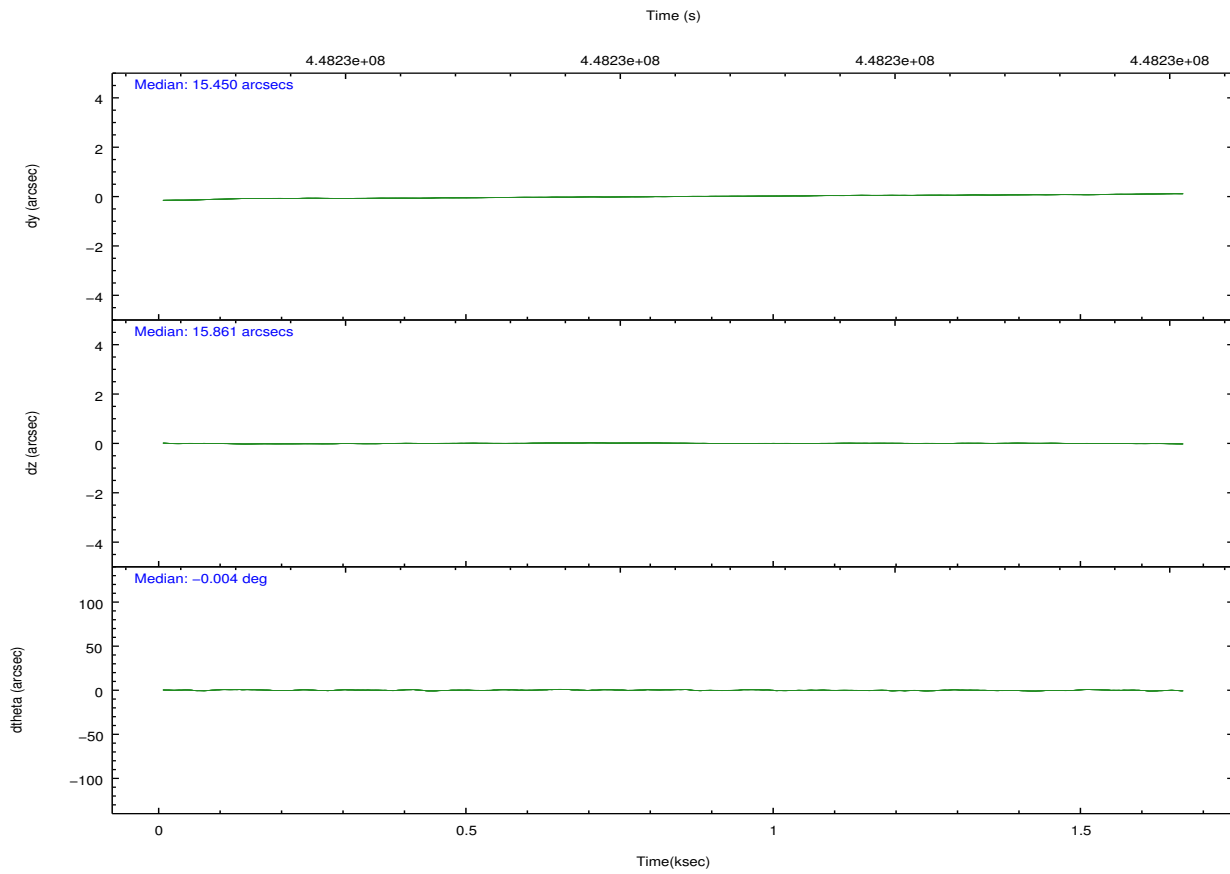
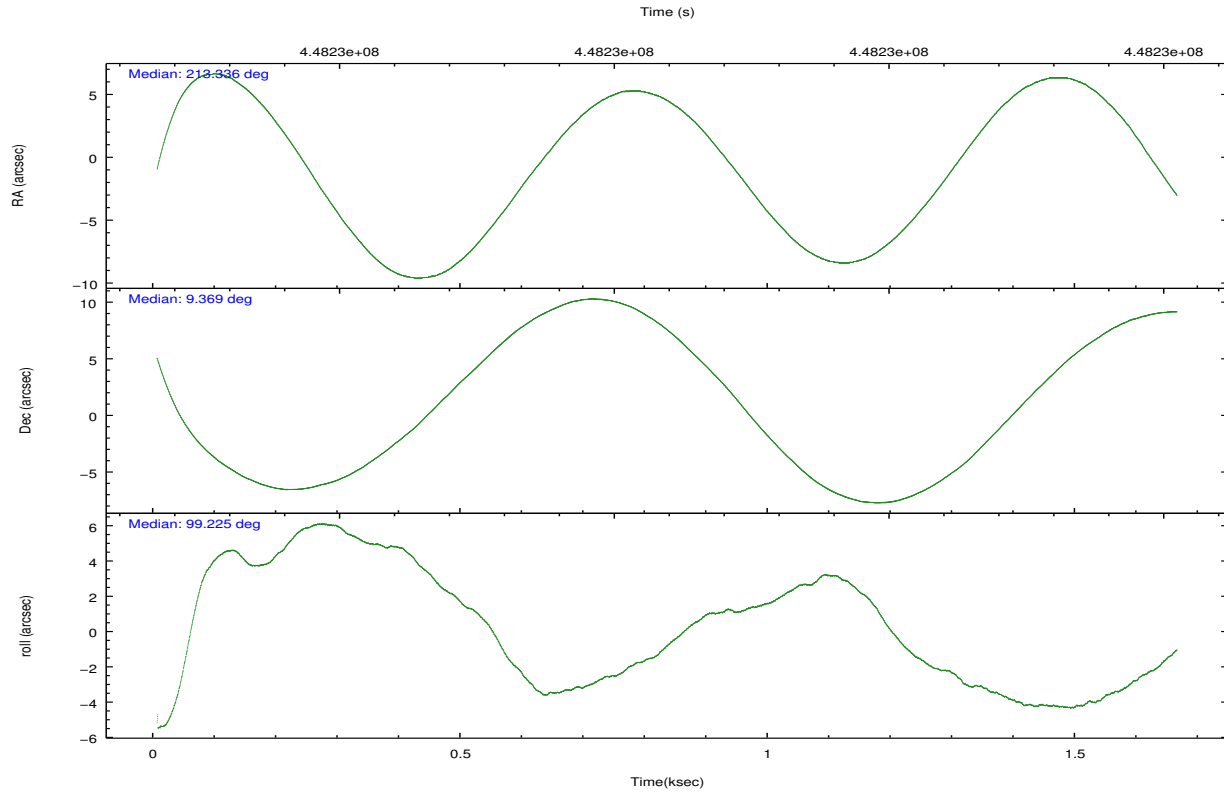
	ccd 6	ccd 7	ccd 8
grade 0 events	411	543	1165
	5%	6%	11%
grade 1 events	2	14	15
	0%	0%	0%
grade 2 events	221	959	741
	2%	10%	7%
grade 3 events	82	452	573
	1%	5%	5%
grade 4 events	94	413	490
	1%	4%	4%
grade 5 events	306	899	494
	4%	10%	4%
grade 6 events	185	2085	820
	2%	23%	7%
grade 7 events	6178	3365	6140
	82%	38%	58%

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	213.352916	213.3352671049064	Subarray requested	NONE	NONE
[deg] Pointing Dec	9.348256	9.369018471129468	Alternating exposures requested	N	N
[deg] Pointing Roll	99.073637	99.23306455199025	[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	-190.145094680475			
[mm] SIM translation stage offset	0	0.01257209746719923			
[s] Observation start time (MET)	448231430.184000	448230404.31305			
Observation start date	2012-03-15T20:42:44	2012-03-15T20:26:44			
[s] Observation end time (MET)	448232930.184000	448233561.82572			
Observation end date	2012-03-15T21:07:44	2012-03-15T21:19:21			
Read mode	TIMED	TIMED			

2.3 Aspect



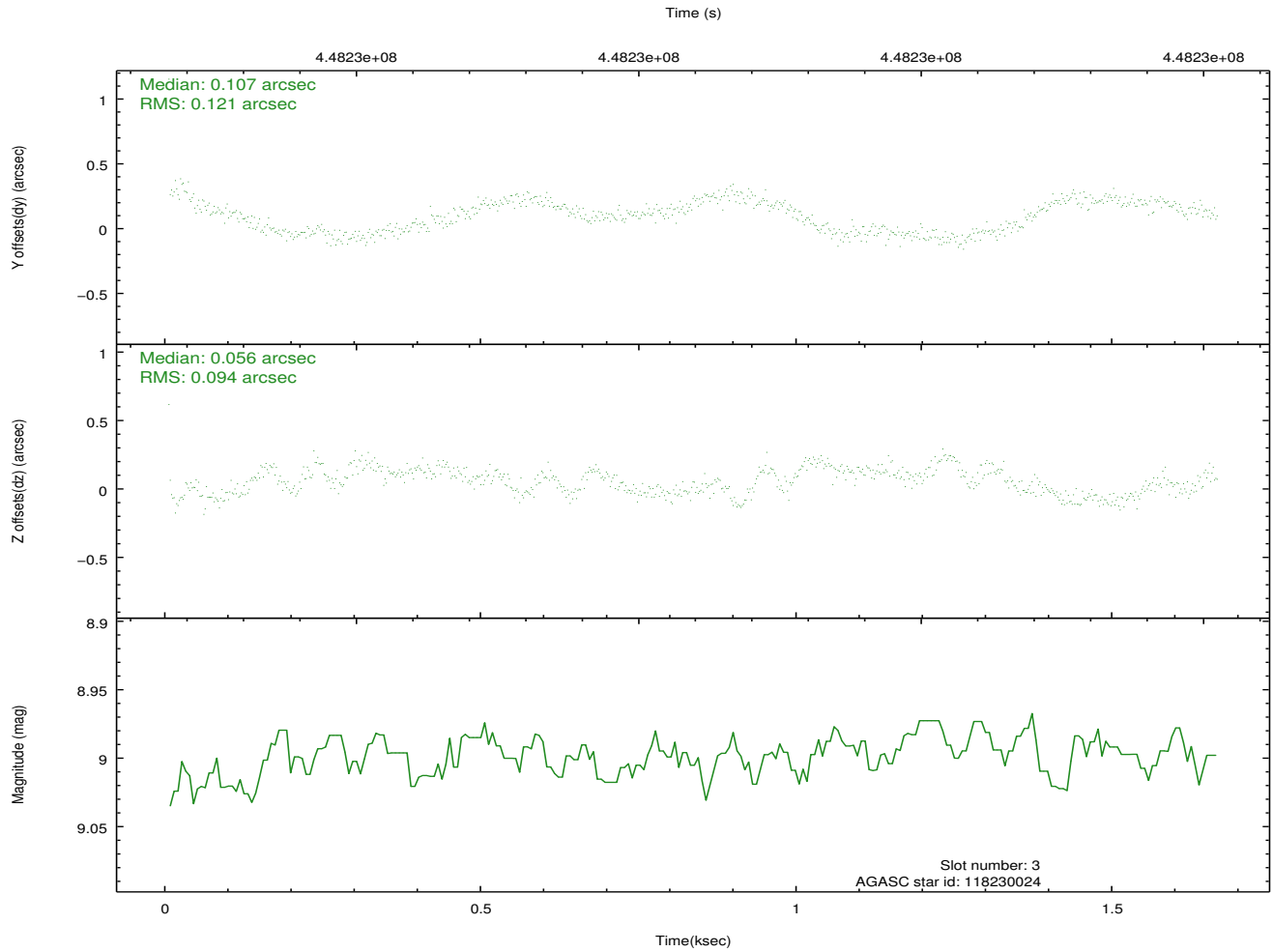
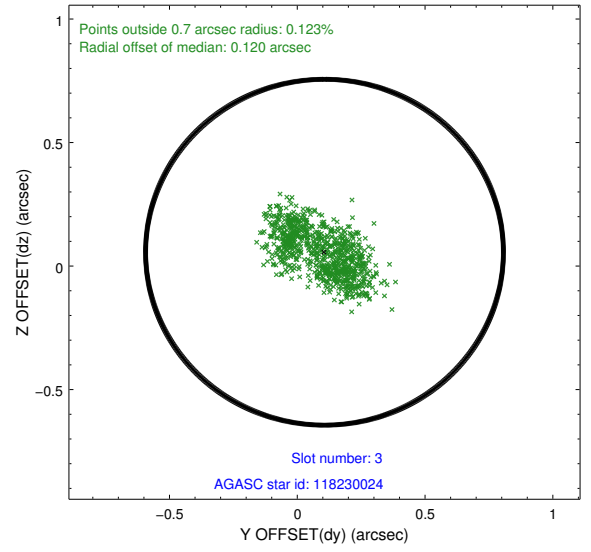
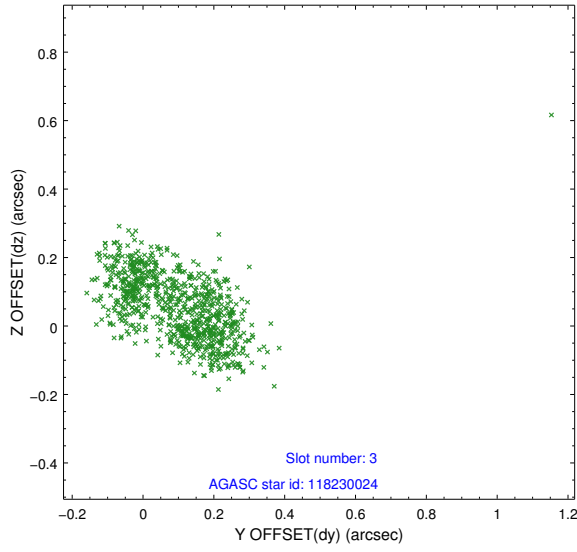


Slot Statistics

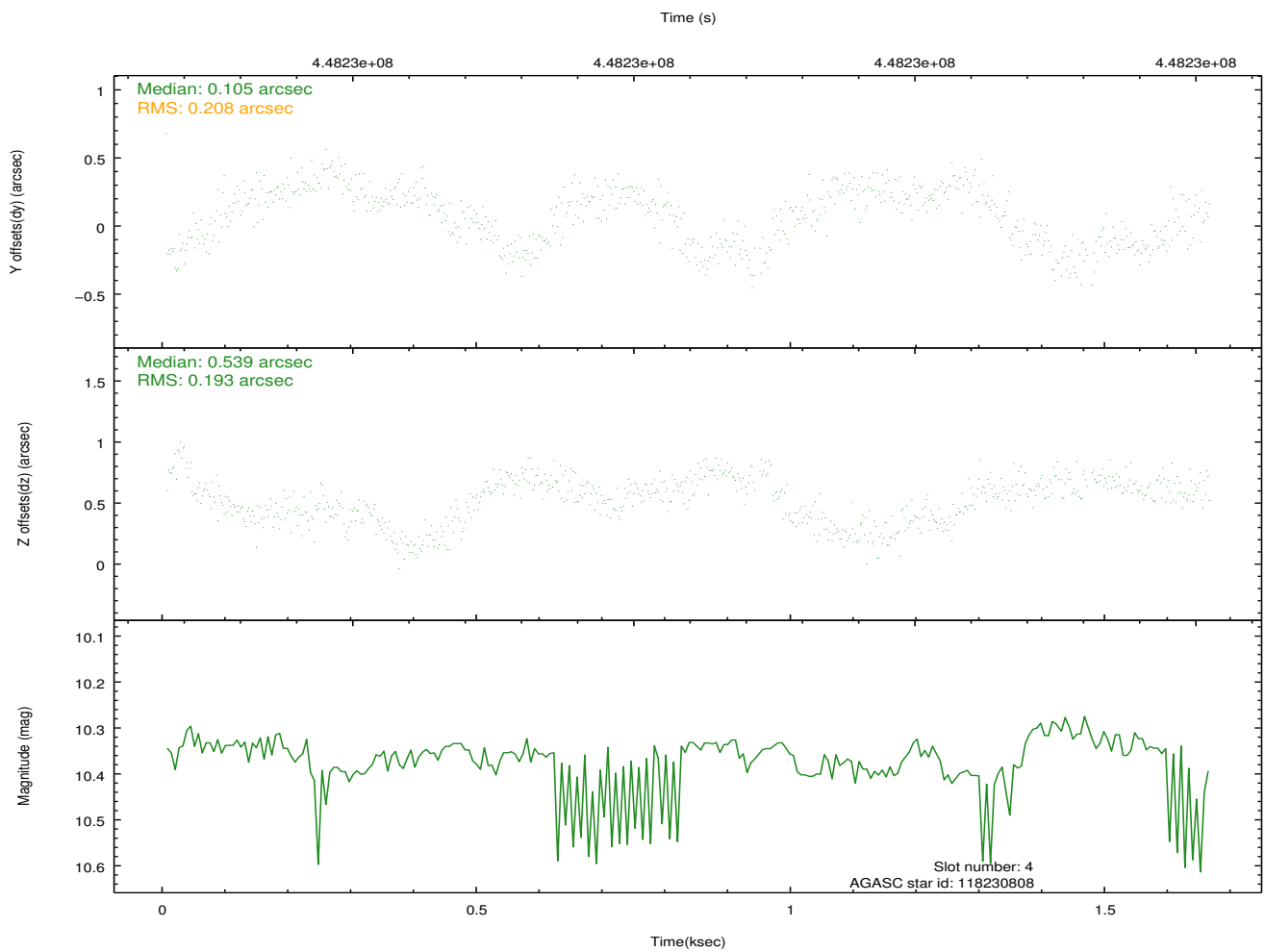
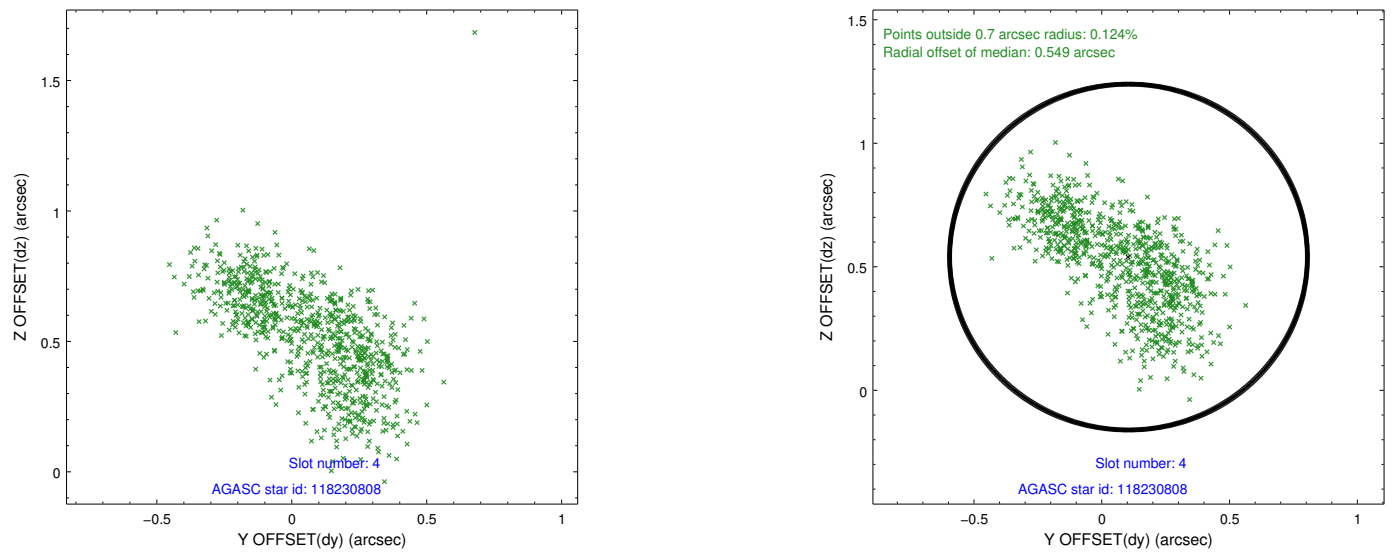
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.91	405	-0.121	-0.006	0.007	0.010	0.000000	0.000000	-768.55	-1737.16
1	FID	ACIS-S-4	7.00	405	0.224	0.060	0.005	0.008	0.000000	0.000000	2143.25	167.25
2	FID	ACIS-S-5	7.02	405	-0.135	-0.045	0.006	0.011	0.000000	0.000000	-1816.31	165.35
3	GUIDE	118230024	9.00	811	0.107	0.056	0.161	0.243	213.989962	9.173883	-973.61	-2136.10
4	GUIDE	118230808	10.36	804	0.105	0.539	0.309	0.478	213.777718	9.934096	1846.22	-1821.47
5	GUIDE	118232576	9.54	804	-0.076	-0.518	0.133	0.207	212.757911	9.813499	1991.18	1818.80
6	GUIDE	118232624	8.00	810	-0.148	-0.138	0.098	0.144	213.781303	9.441416	96.10	-1552.18
7	GUIDE	118234104	8.37	810	0.054	0.077	0.115	0.178	213.460825	8.980865	-1365.24	-171.58

2.4 Star Slots

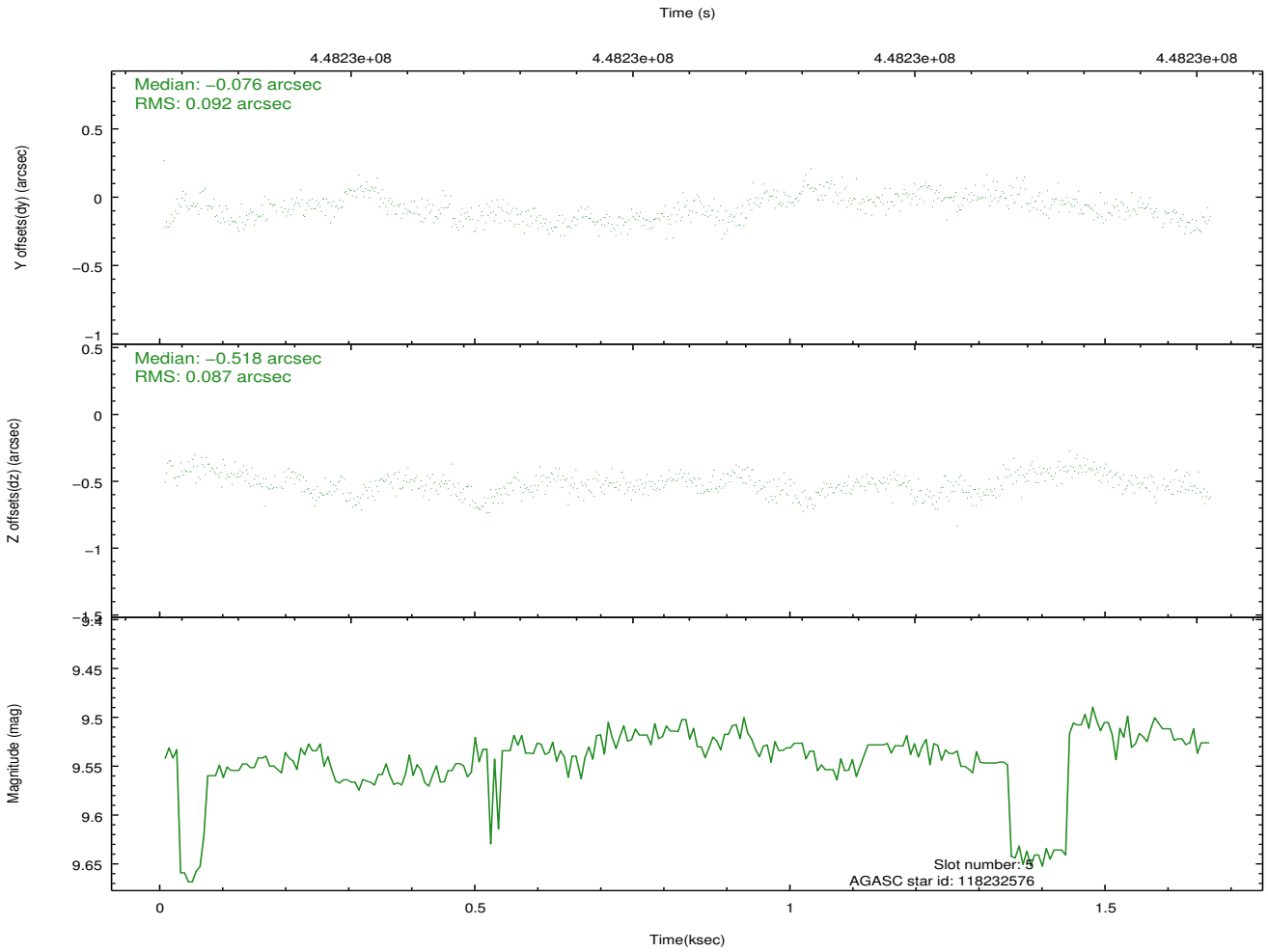
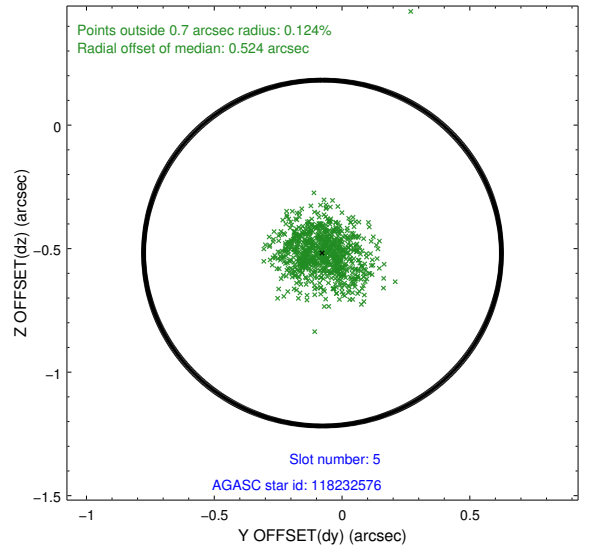
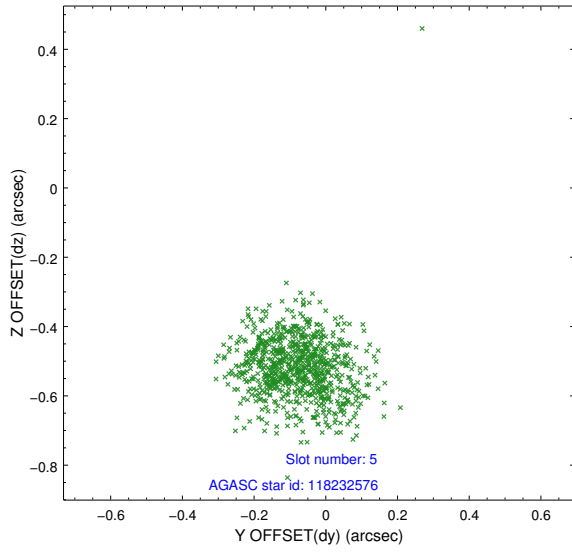
2.4.1 Slot 3



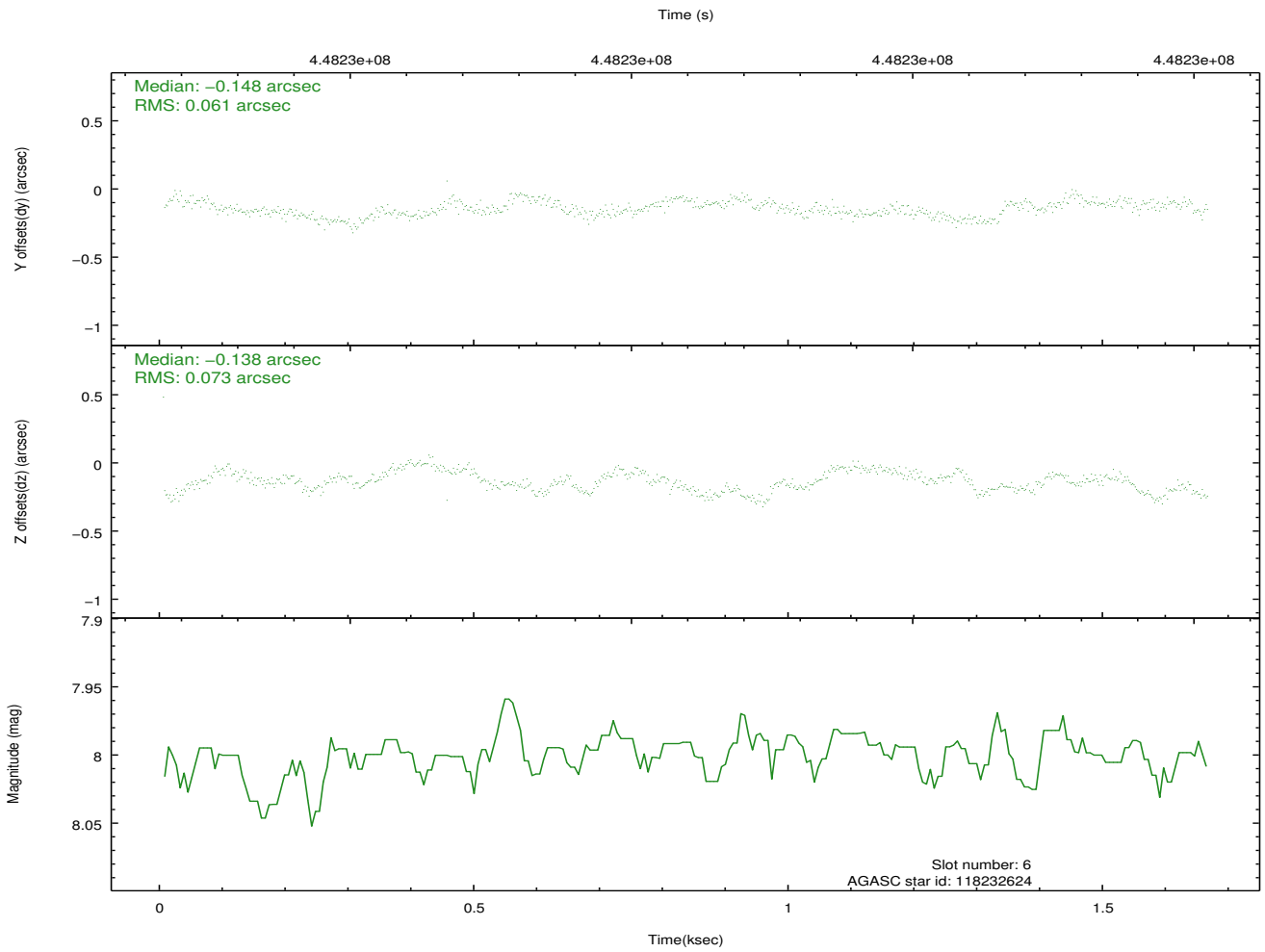
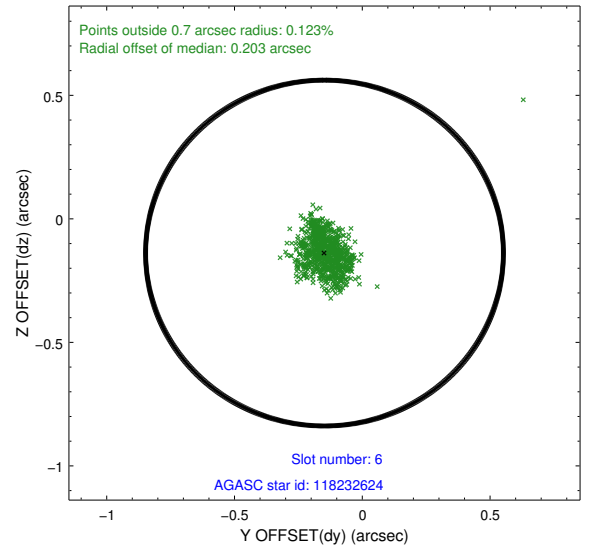
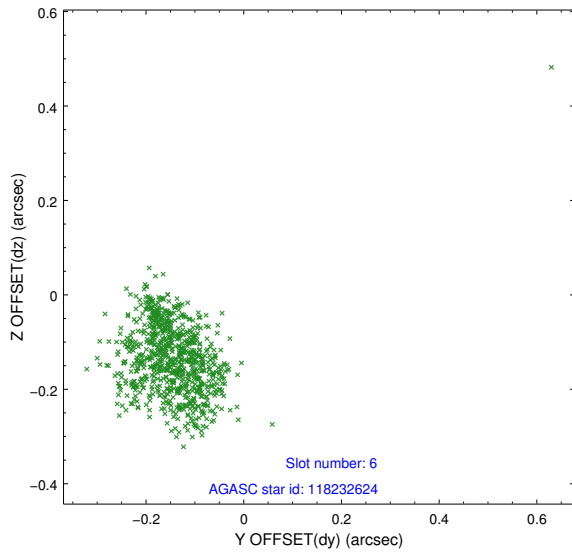
2.4.2 Slot 4



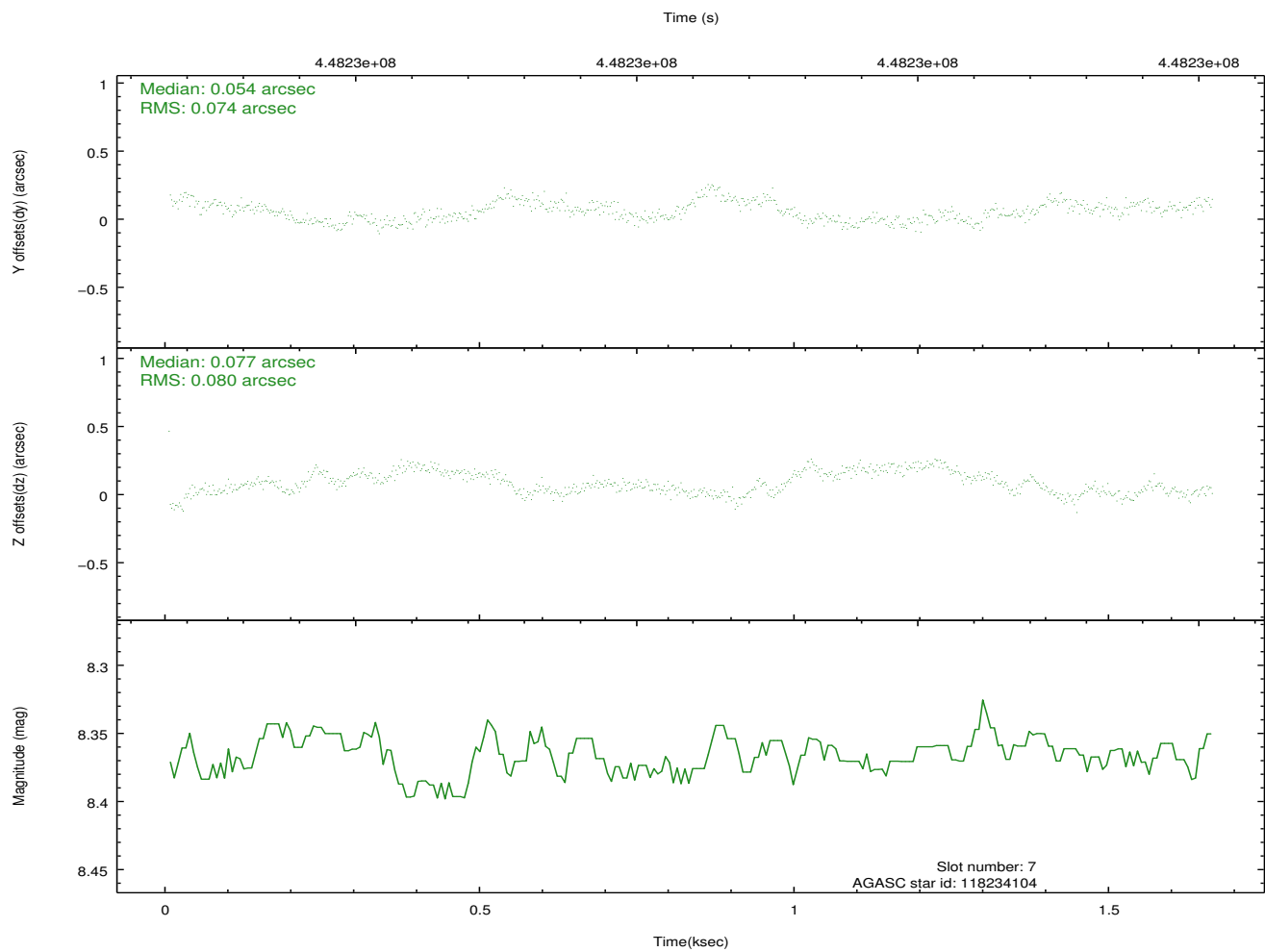
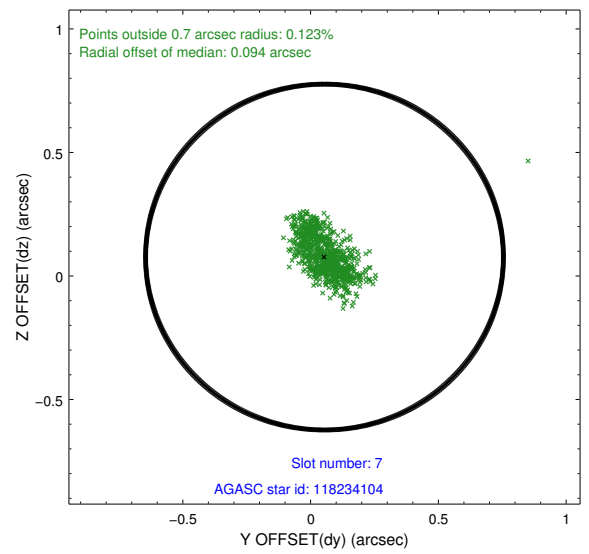
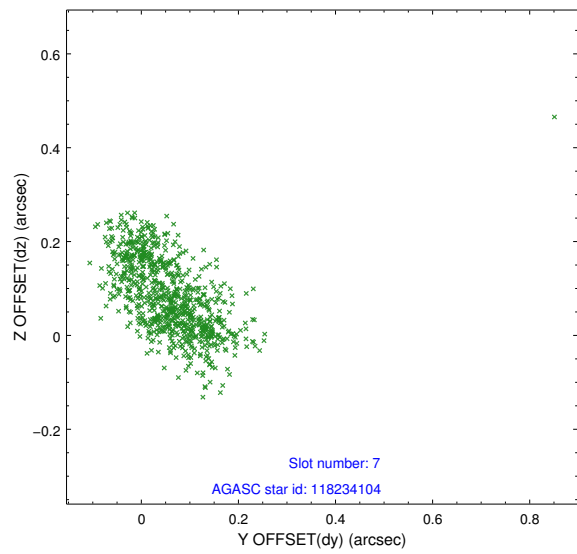
2.4.3 Slot 5



2.4.4 Slot 6

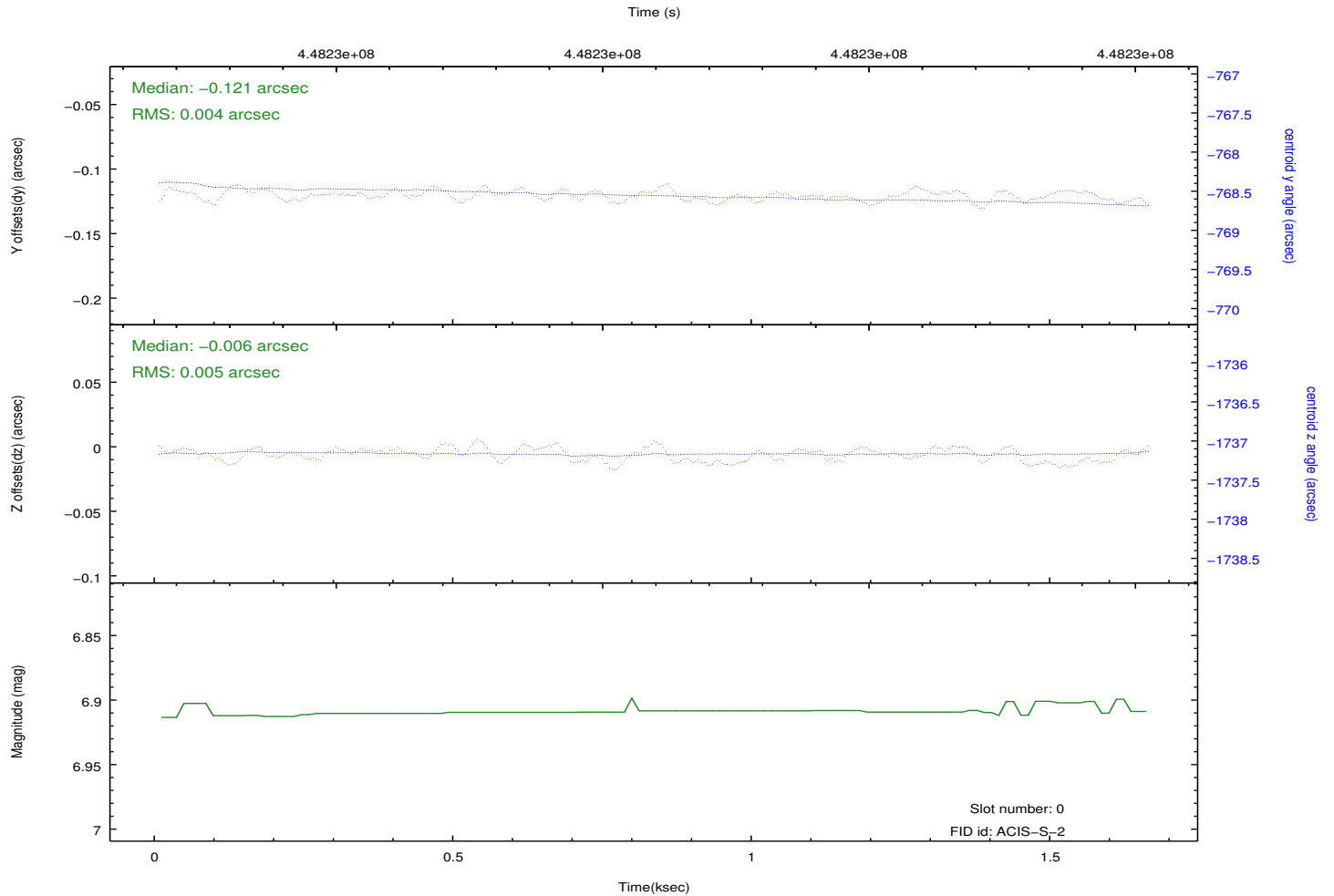
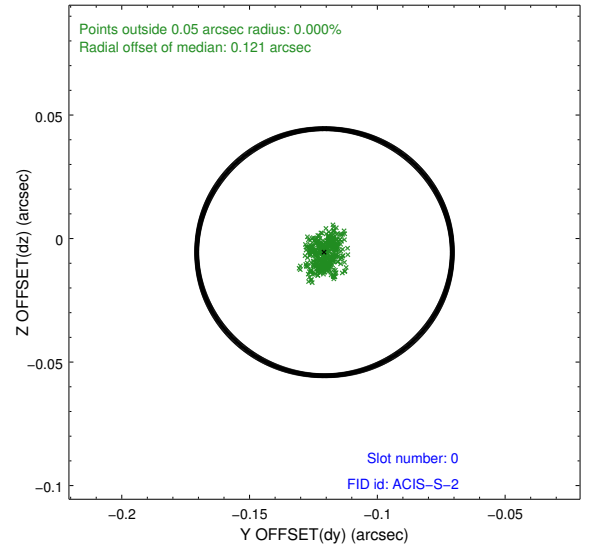
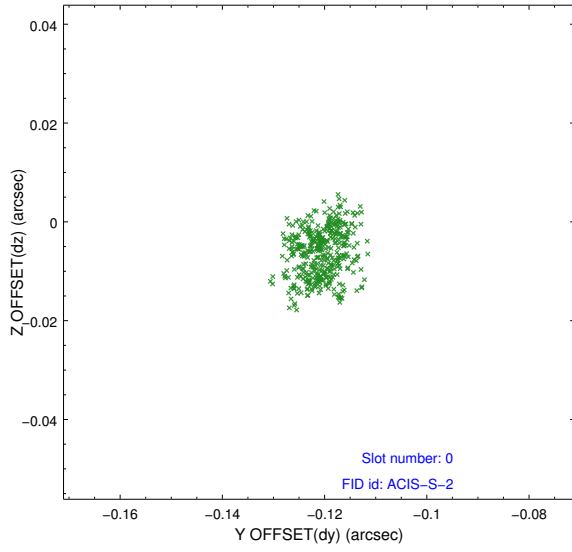


2.4.5 Slot 7

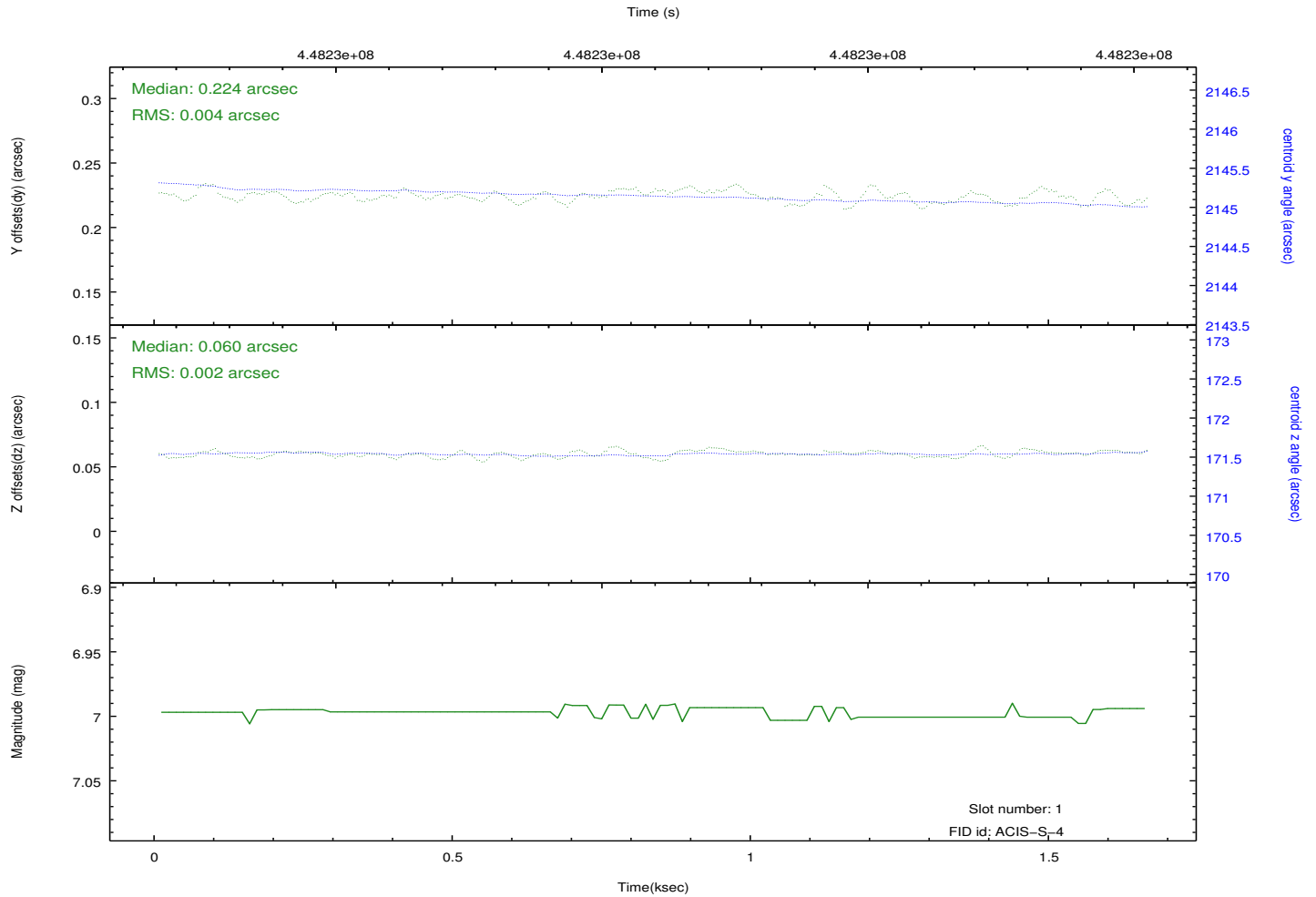
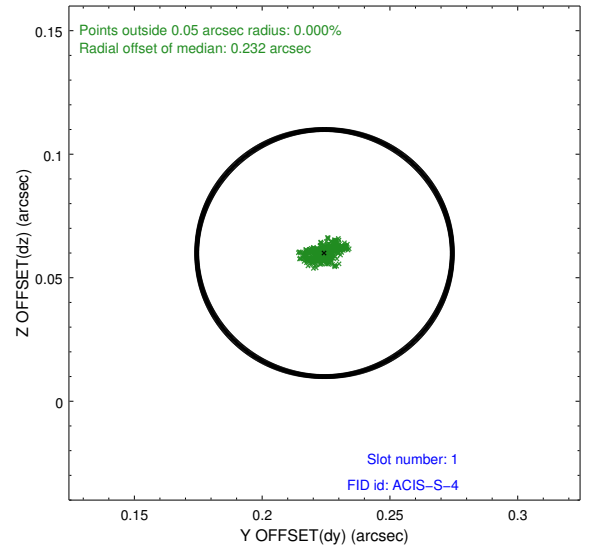
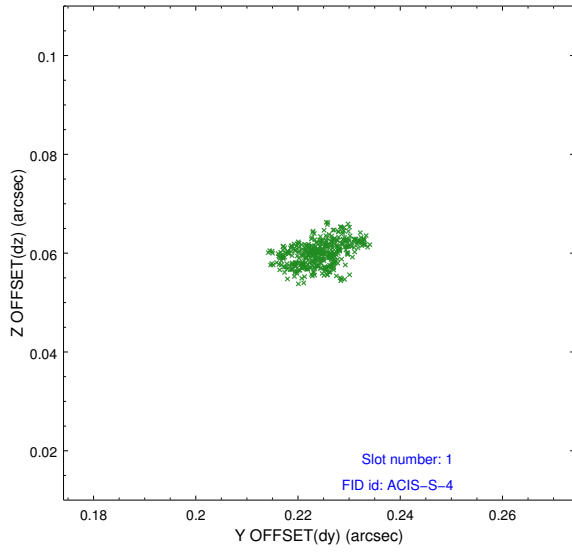


2.5 FID Slots

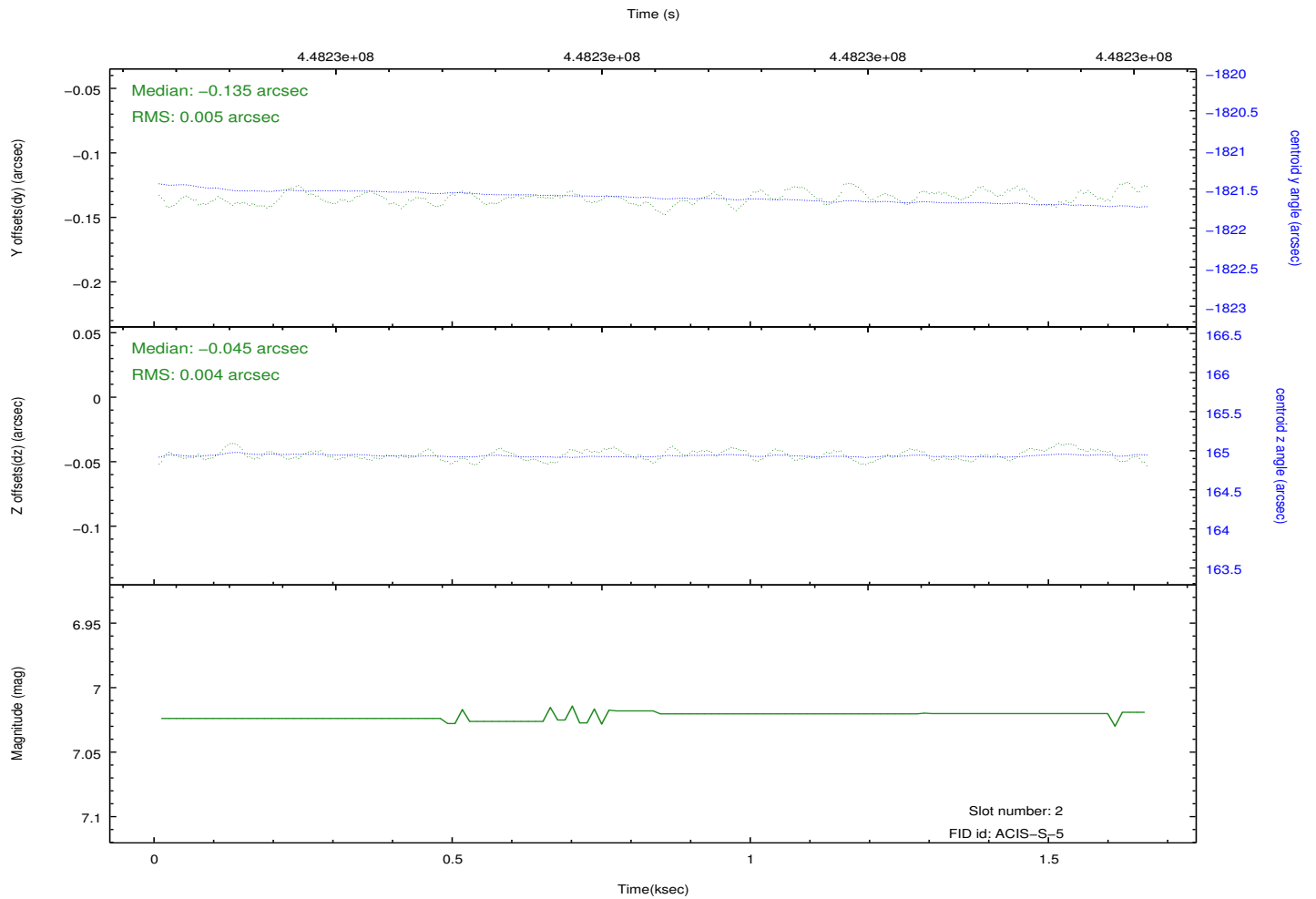
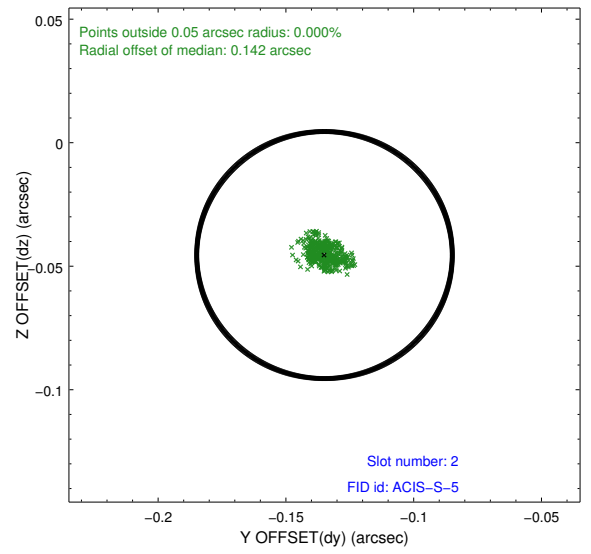
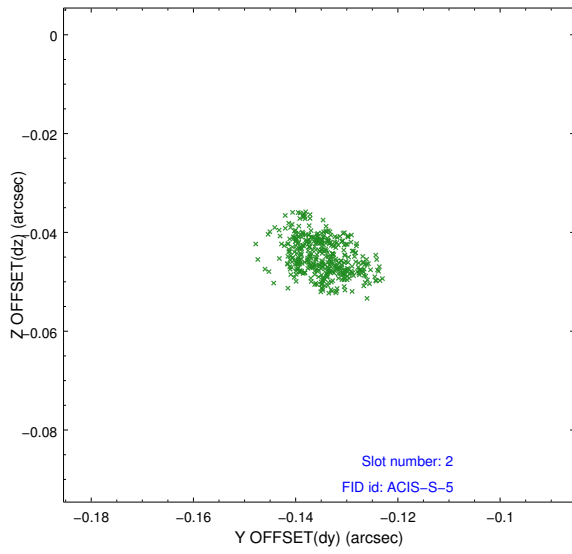
2.5.1 Slot 0



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)	2012.03.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.5810000121593

A.2 Comments