

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 17106 - L2 Version 1
Chandra X-Ray Center

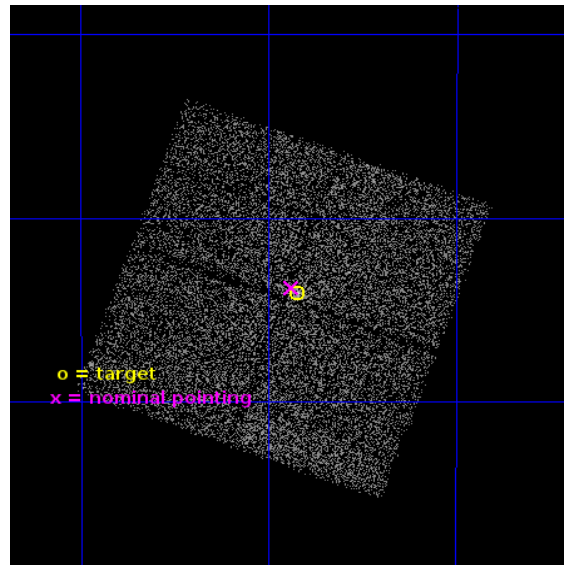
L2 Processing Date : May 13 2016

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

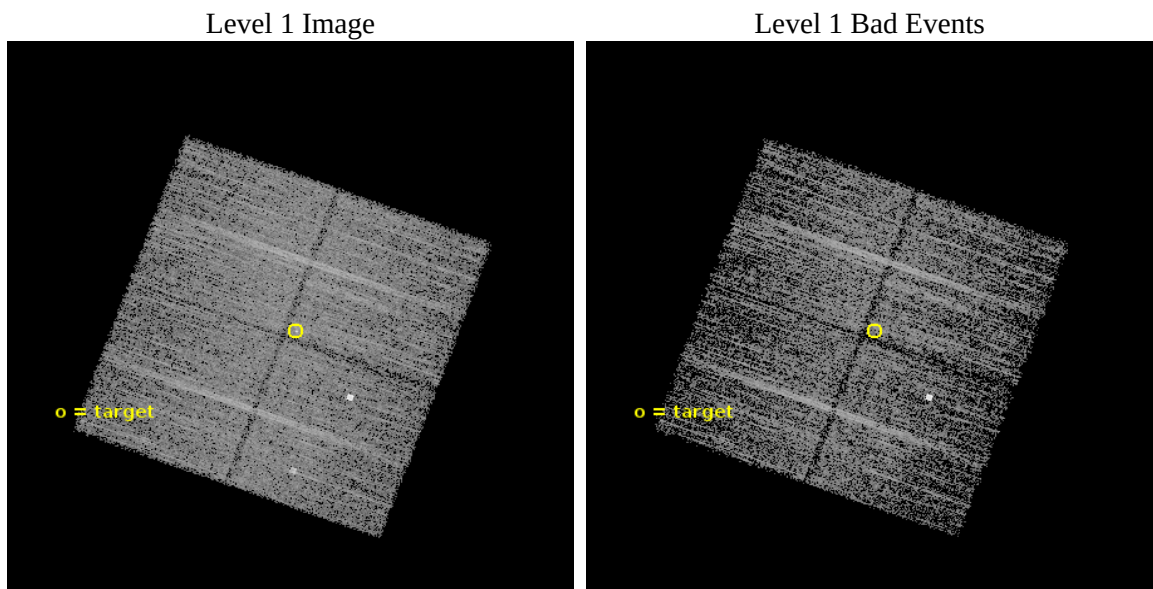
seq_num	703107	Sequence number
obs_id	17106	Observation id
title	The very unusual gamma-ray source PMN J1603-4904 and its neighbors	
observer	Dr. Roopesh Ojha	Principal investigator
object	PMN J1603-4904	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	240.96125	Observer's specified target RA [deg]
dec_targ	-49.068083	Observer's specified target Dec [deg]
ra_nom	240.96948218119	Nominal RA [deg]
dec_nom	-49.063405985875	Nominal Dec [deg]
roll_nom	20.183316655799	Nominal Roll [deg]
revision	1	Processing version of data
ontime	10084.300077677	Sum of GTIs [s]
livetime	9952.5412732082	Livetime [s]
ontime0	10084.300077677	Sum of GTIs [s]
ontime1	10084.300077677	Sum of GTIs [s]
ontime2	10084.300077677	Sum of GTIs [s]
ontime3	10084.300077677	Sum of GTIs [s]
l2events	24556	Number of level 2 events



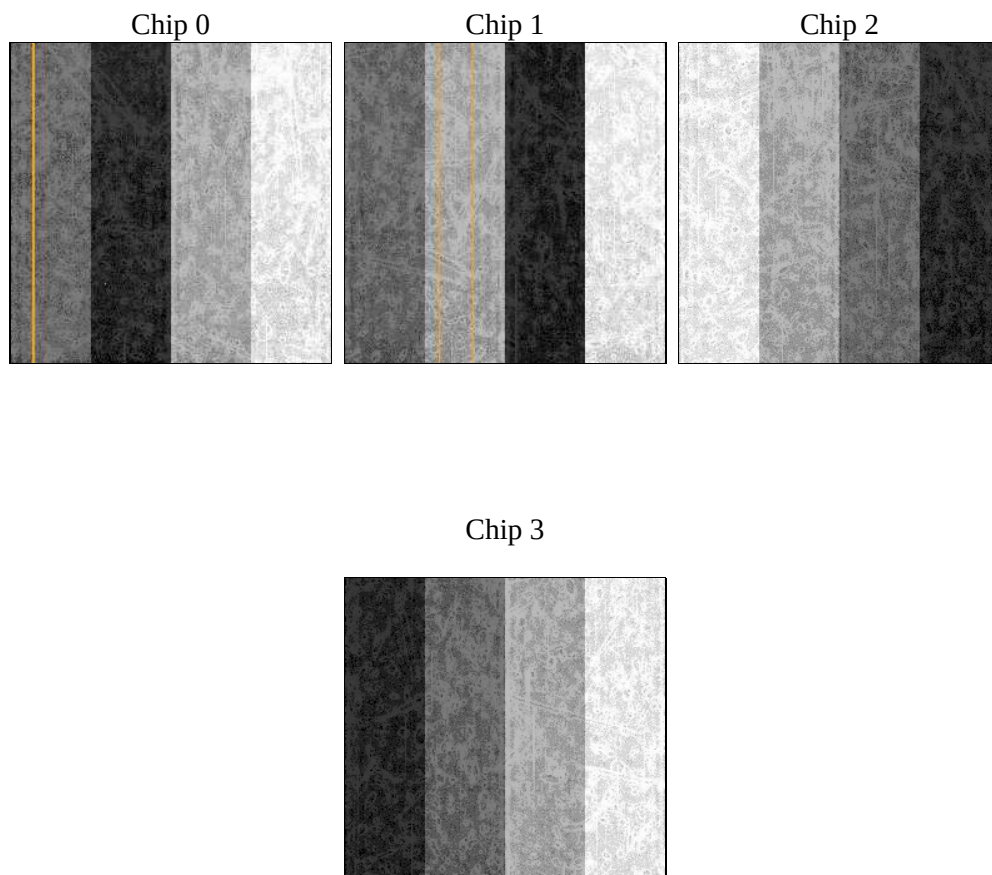
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	10000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	10084.300077677	Sum of GTIs [s]
caldbver	4.7.1	 	ontime0	10084.300077677	Sum of GTIs [s]
date	2016-05-13T10:39:14	Date and time of file creation	ontime1	10084.300077677	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	10084.300077677	Sum of GTIs [s]
			ontime3	10084.300077677	Sum of GTIs [s]
			l1events	246157	Number of level 1 events

2.1.4 Events

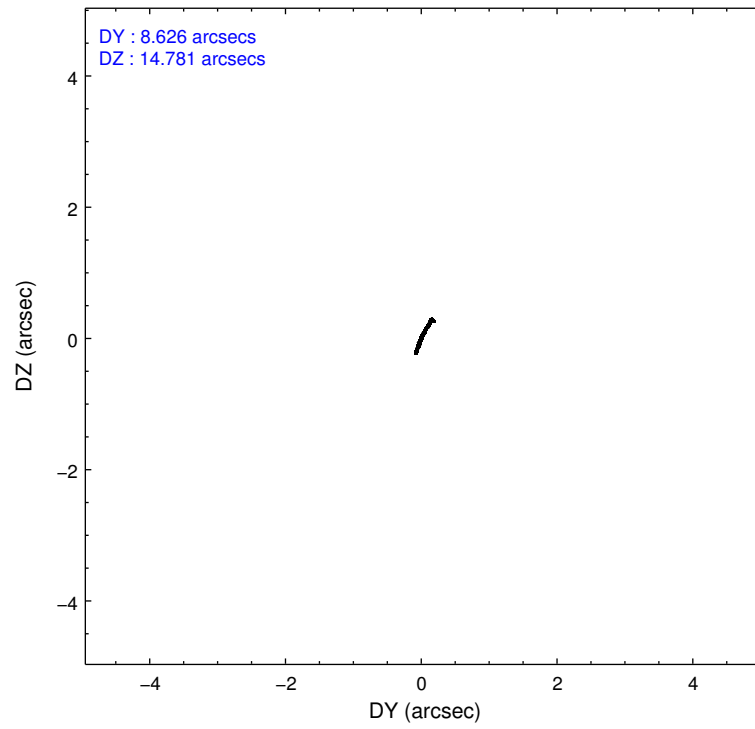
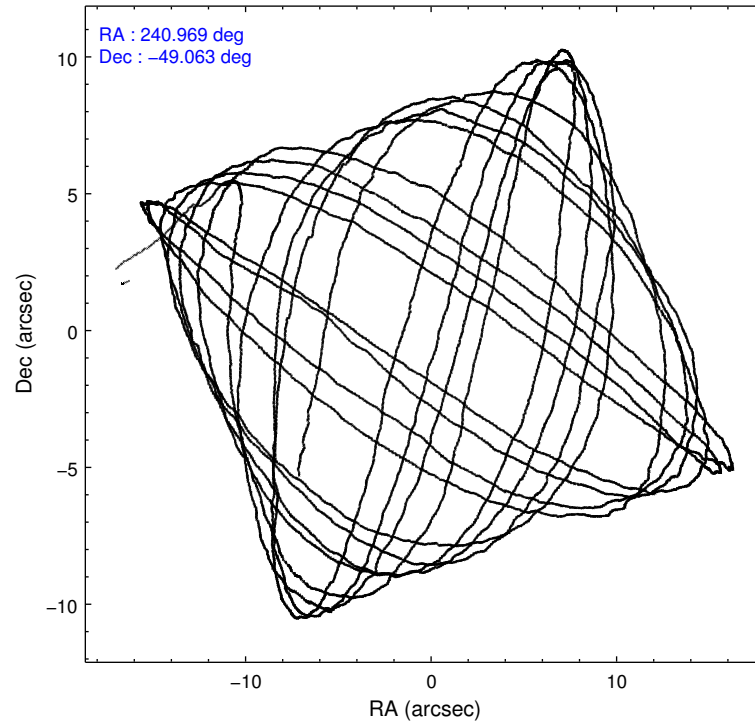
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	57656	61188	64877	62436
rejected events	50501	52654	57833	55294
rejected %	87%	86%	89%	88%

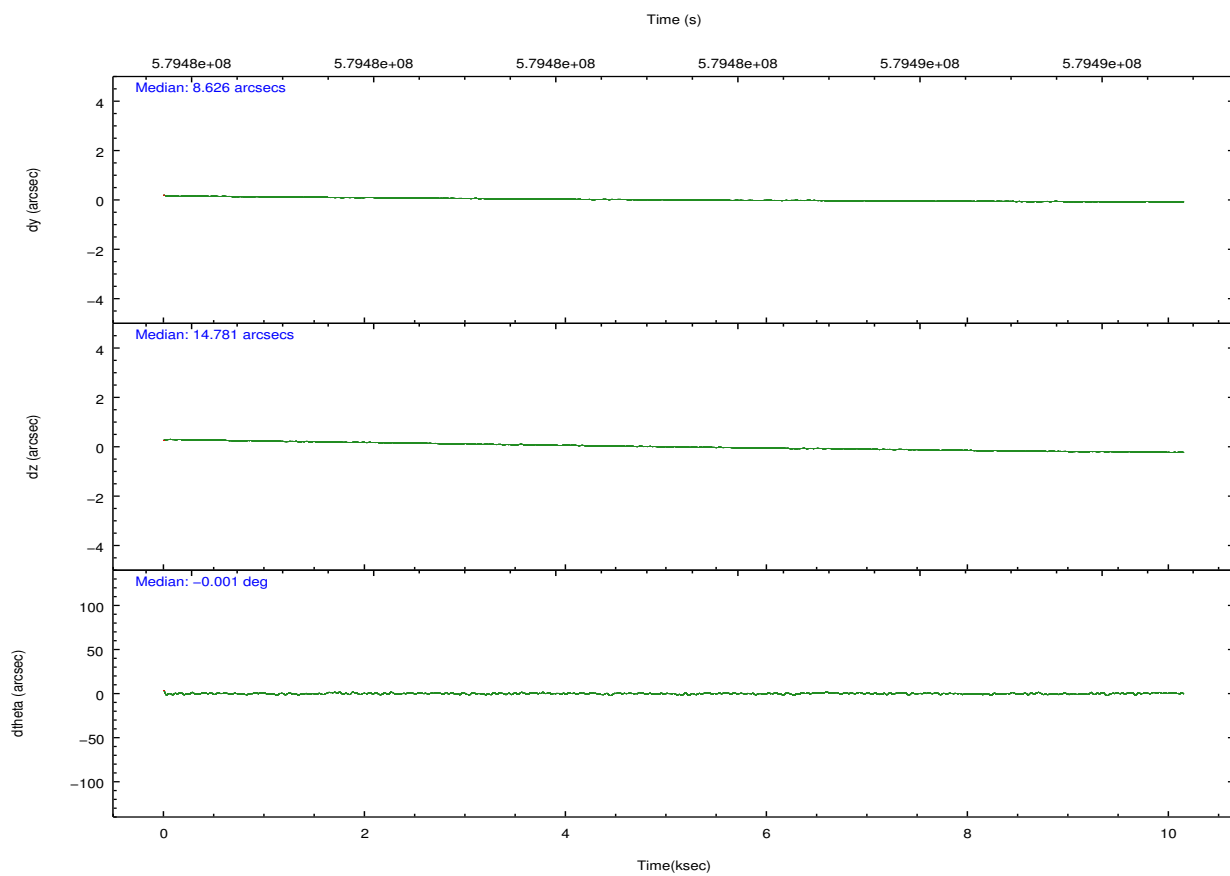
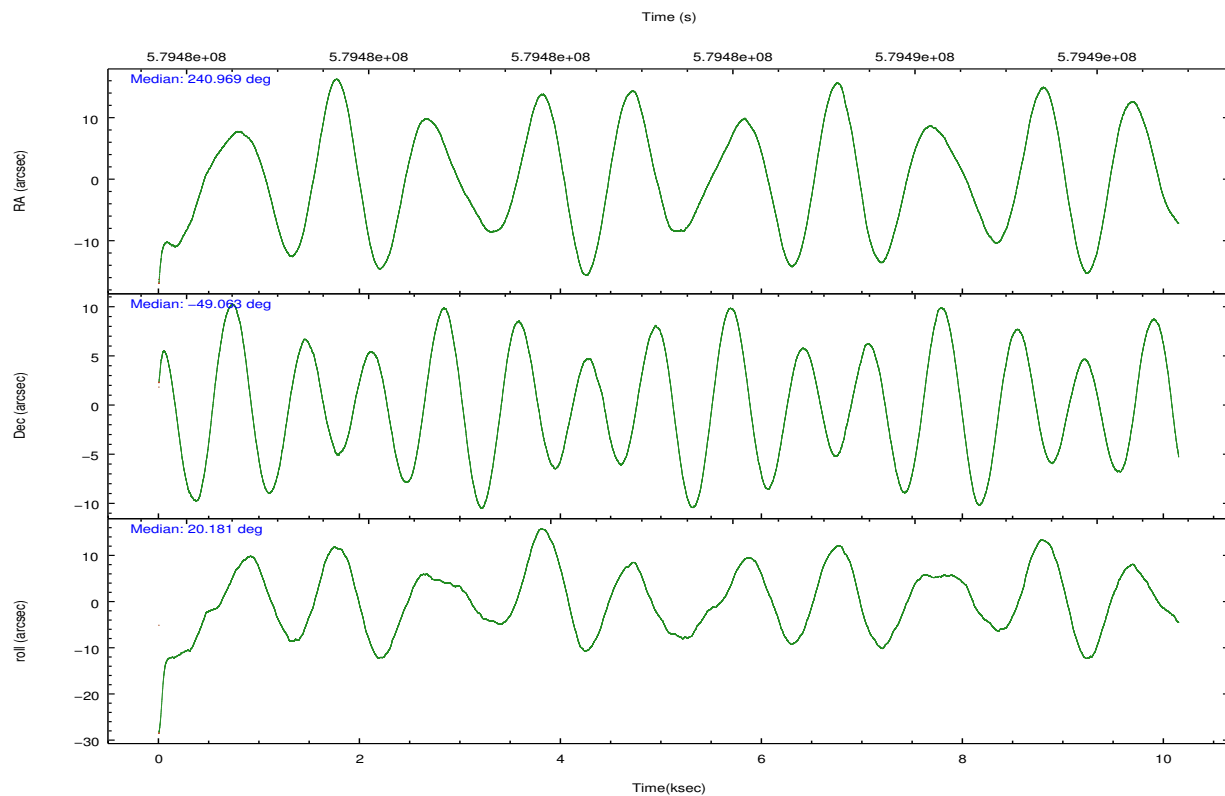
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	2450	3265	2508	2681
	4%	5%	3%	4%
grade 1 events	40	3126	29	35
	0%	5%	0%	0%
grade 2 events	1788	1910	1737	1562
	3%	3%	2%	2%
grade 3 events	749	811	710	720
	1%	1%	1%	1%
grade 4 events	719	785	698	717
	1%	1%	1%	1%
grade 5 events	2780	2936	2510	3214
	4%	4%	3%	5%
grade 6 events	1452	1766	1392	1468
	2%	2%	2%	2%
grade 7 events	47678	46589	55293	52039
	82%	76%	85%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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	240.942666	240.9694821811916	Subarray requested	NONE	NONE
[deg] Pointing Dec	-49.084692	-49.0634059858746	Alternating exposures requested	N	N
[deg] Pointing Roll	19.954386	20.18331665579851	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	579478362.184000	579476663.85484			
Observation start date	2016-05-12T22:11:34	2016-05-12T21:44:23			
[s] Observation end time (MET)	579488362.184000	579489698.26808			
Observation end date	2016-05-13T00:58:14	2016-05-13T01:21:38			
Read mode	TIMED	TIMED			

2.3 Aspect



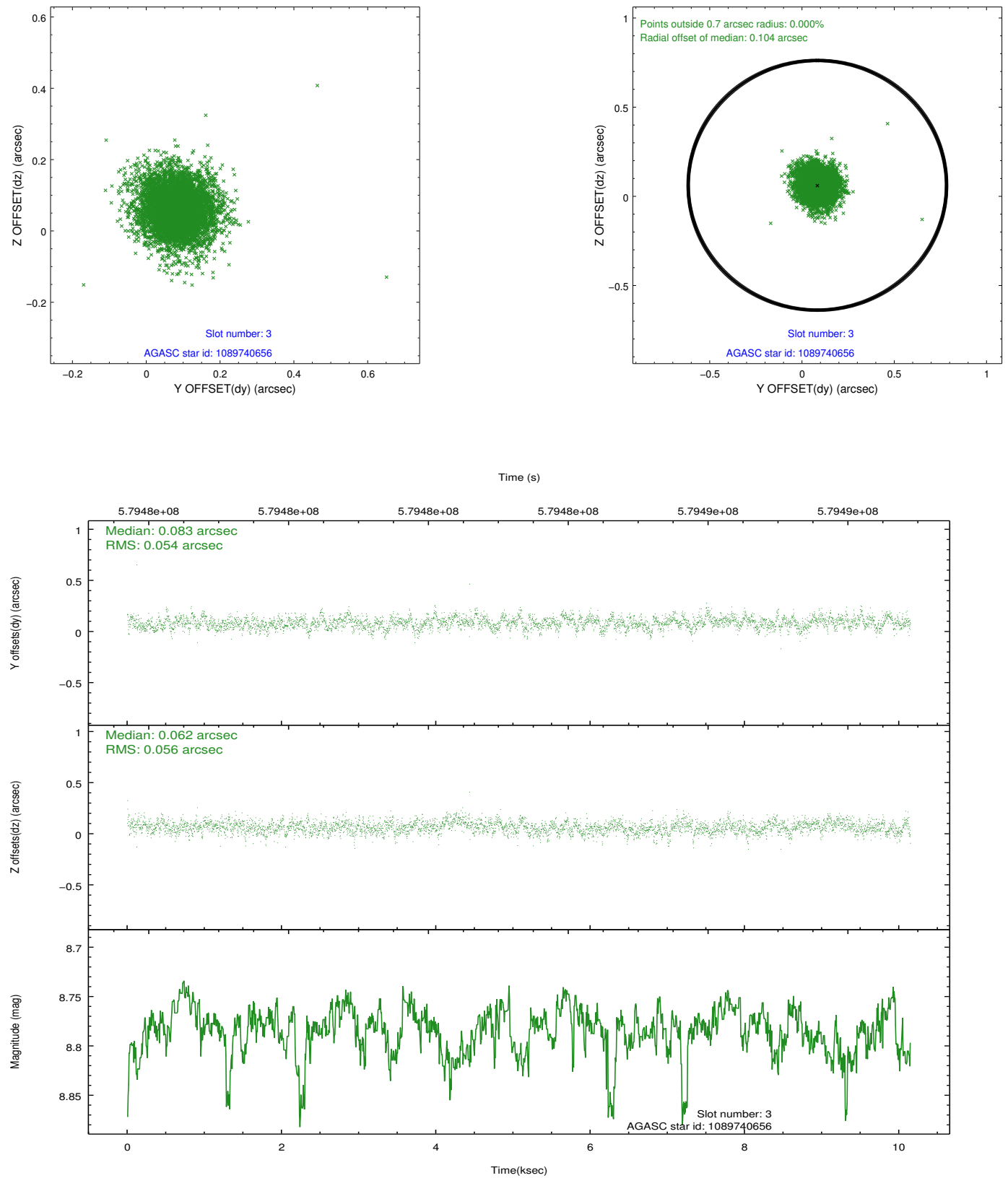


Slot Statistics

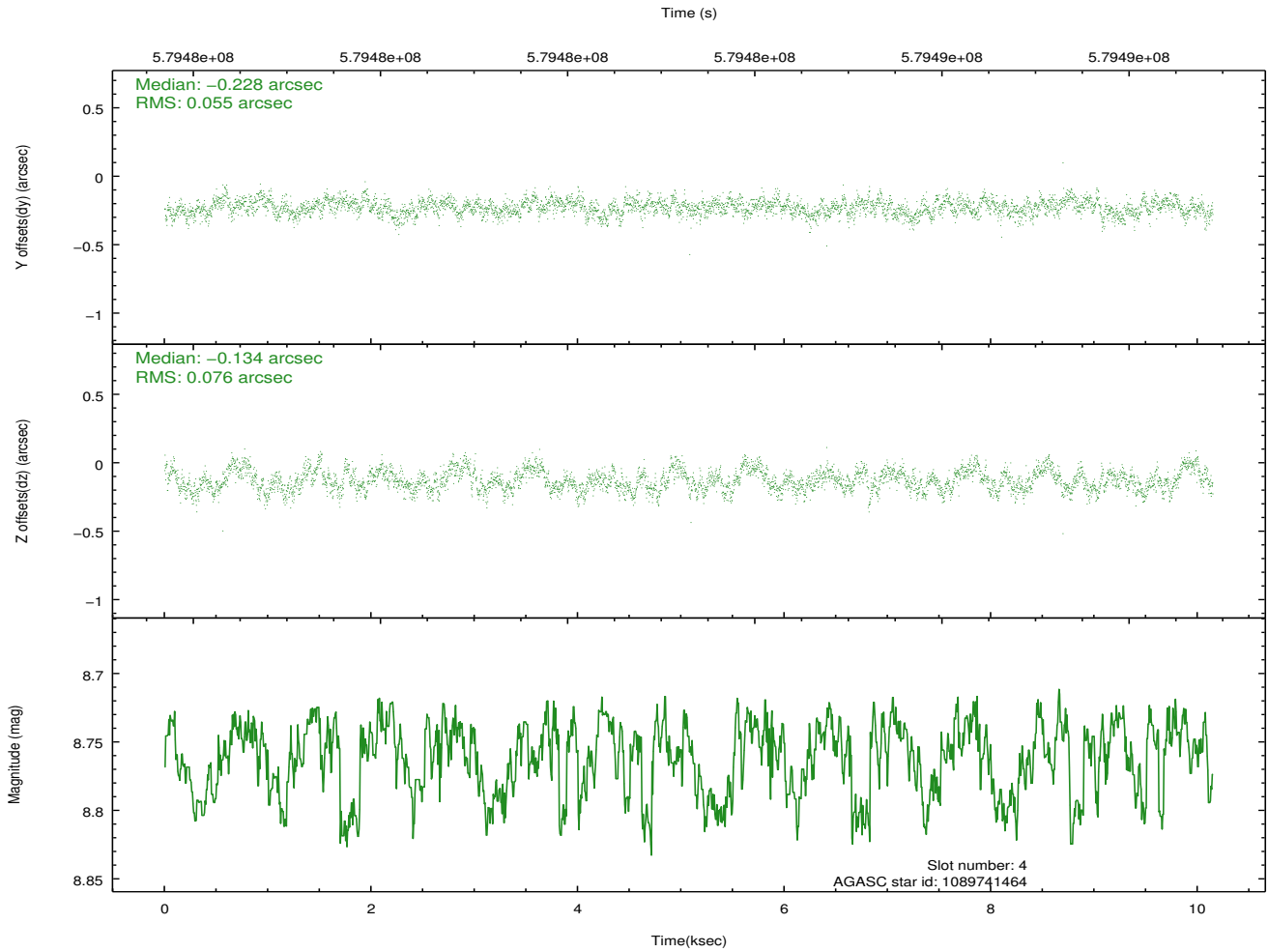
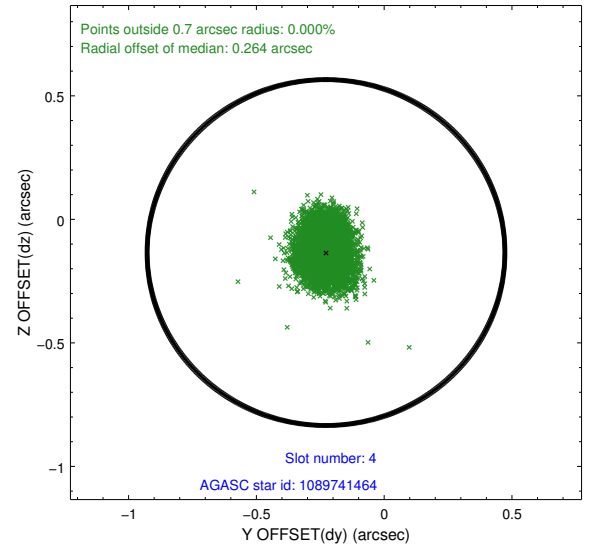
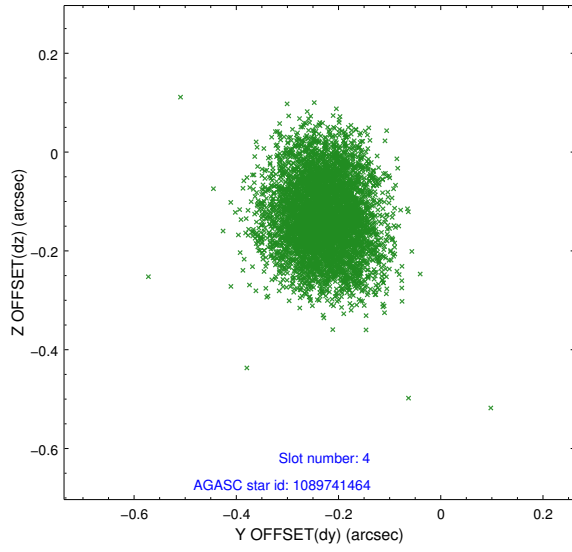
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-I-2	7.14	2476	-0.166	-0.133	0.010	0.018	0.000000	0.000000	-763.36	-844.87
1	FID		ACIS-I-4	7.19	2475	0.387	0.127	0.006	0.011	0.000000	0.000000	2151.04	1061.26
2	FID		ACIS-I-5	7.23	2476	-0.322	0.075	0.010	0.016	0.000000	0.000000	-1816.65	1059.70
3	GUIDE	used	1089740656	8.78	4948	0.083	0.062	0.081	0.134	239.961996	-48.724131	-1751.08	2000.71
4	GUIDE	used	1089741464	8.76	4946	-0.228	-0.134	0.099	0.158	241.278726	-48.358833	1646.42	2180.48
5	GUIDE	used	1090260672	8.81	4950	0.065	-0.028	0.093	0.152	241.715439	-48.783056	2091.00	386.76
6	GUIDE	used	1090265832	8.39	4950	0.061	0.112	0.100	0.159	241.272734	-48.827933	1049.42	599.09
7	GUIDE	used	1089741536	8.77	4948	0.007	-0.016	0.095	0.156	240.208501	-48.577010	-1022.51	2306.75

2.4 Star Slots

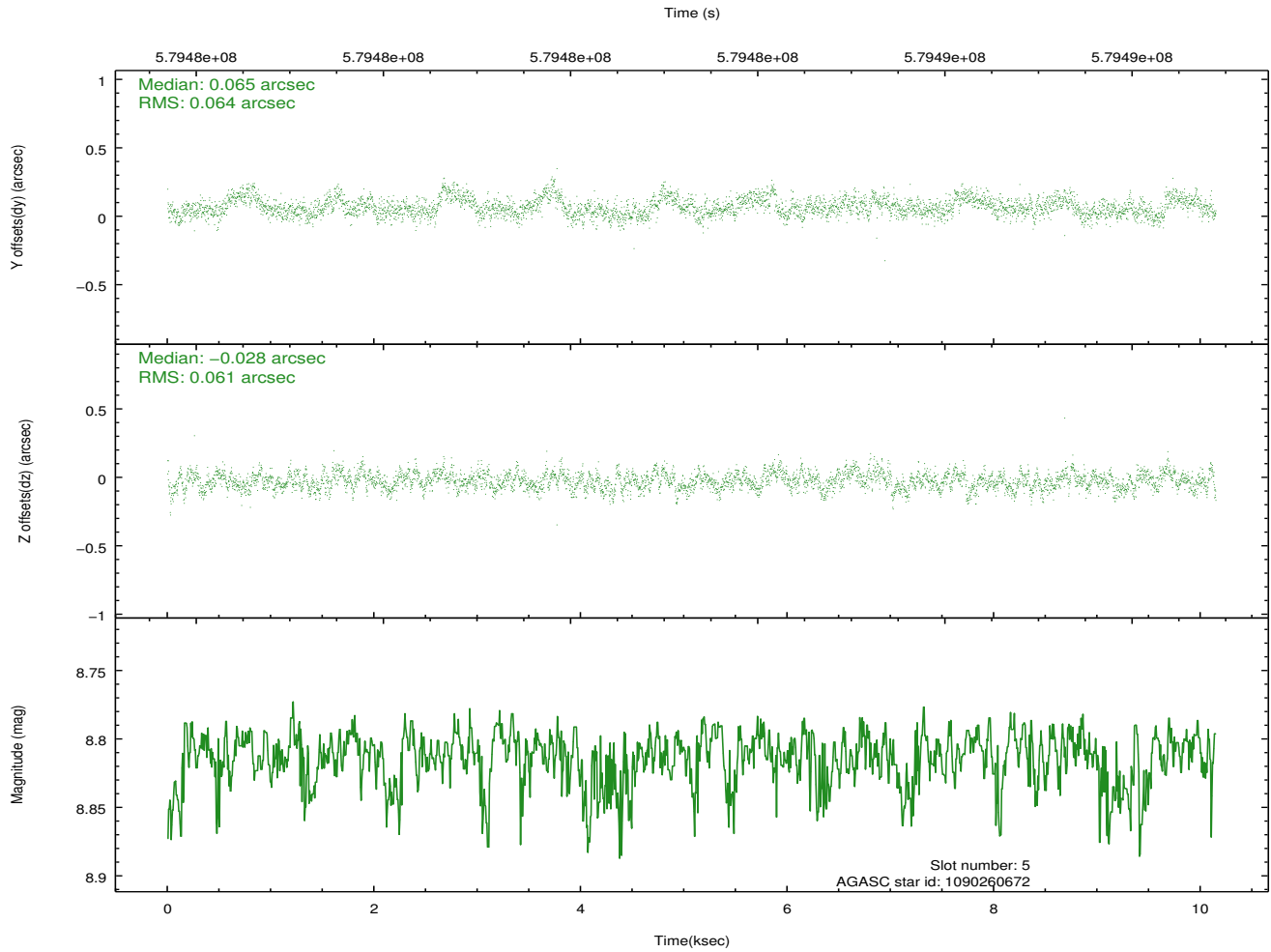
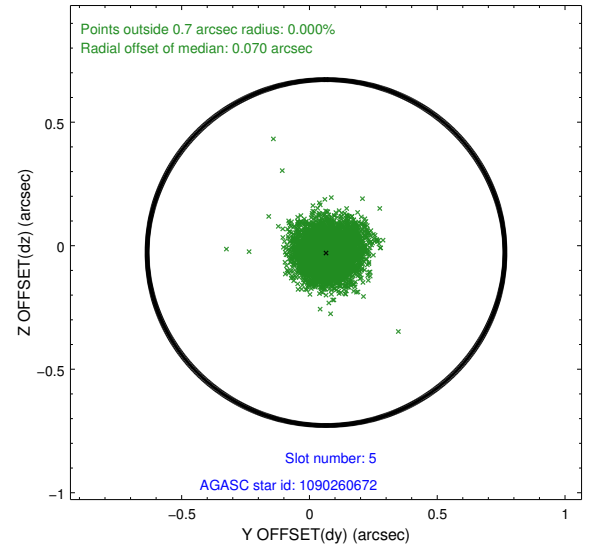
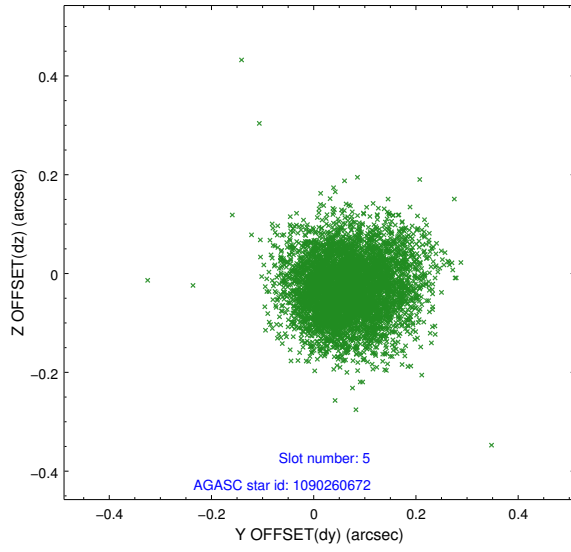
2.4.1 Slot 3



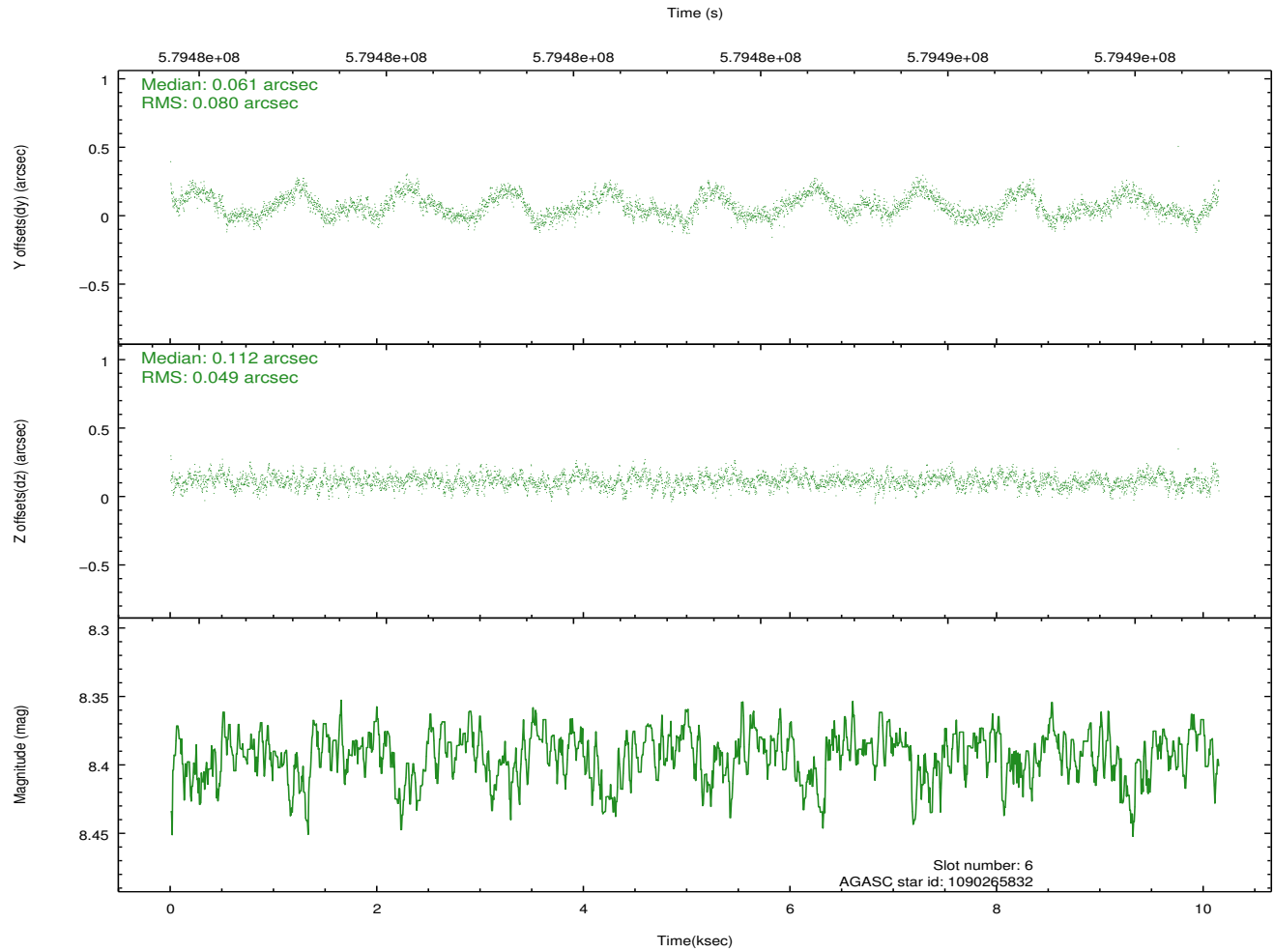
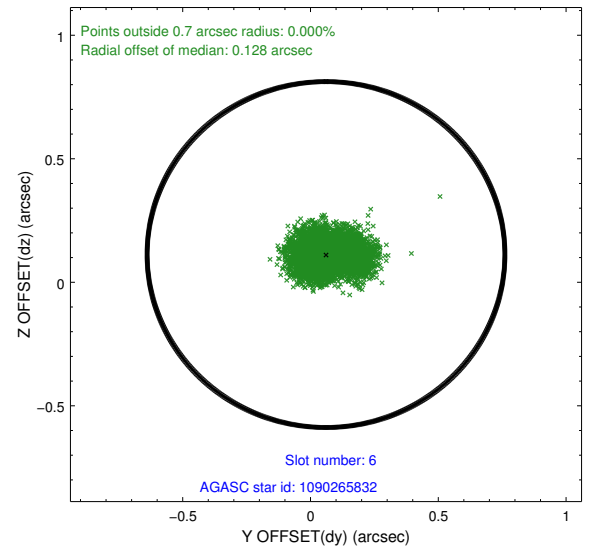
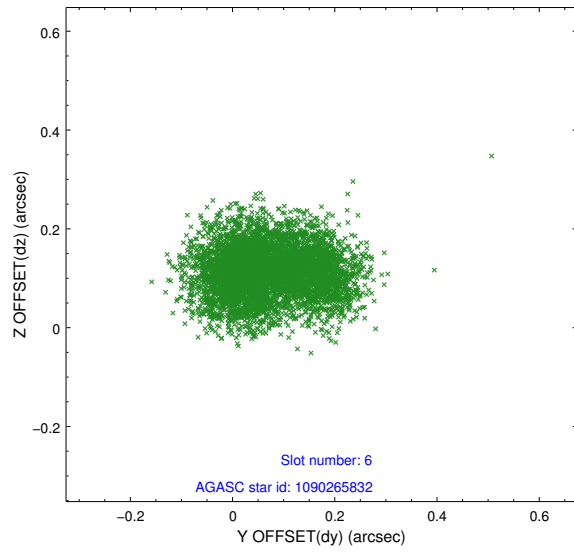
2.4.2 Slot 4



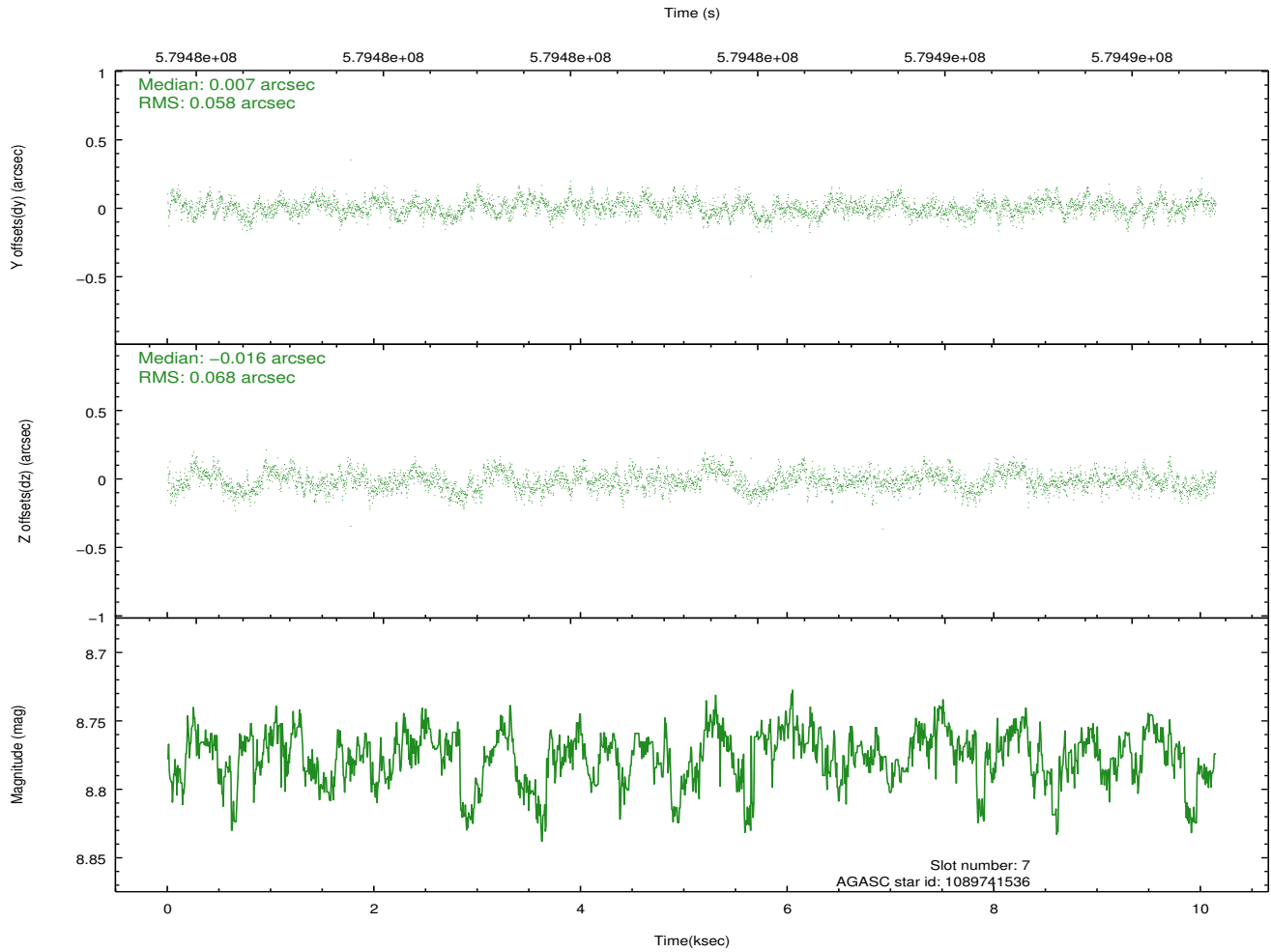
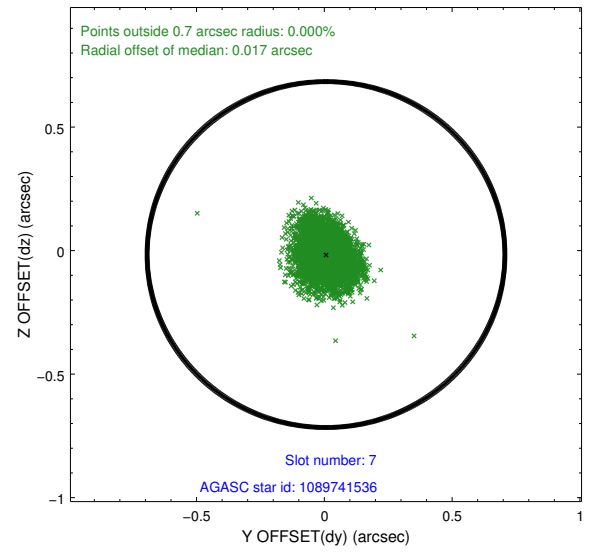
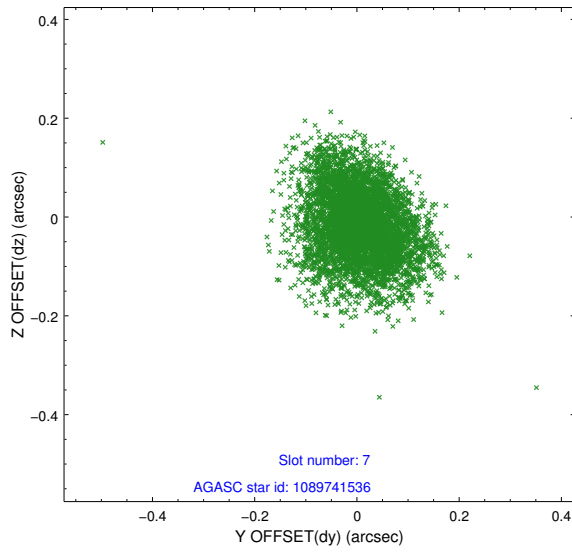
2.4.3 Slot 5



2.4.4 Slot 6

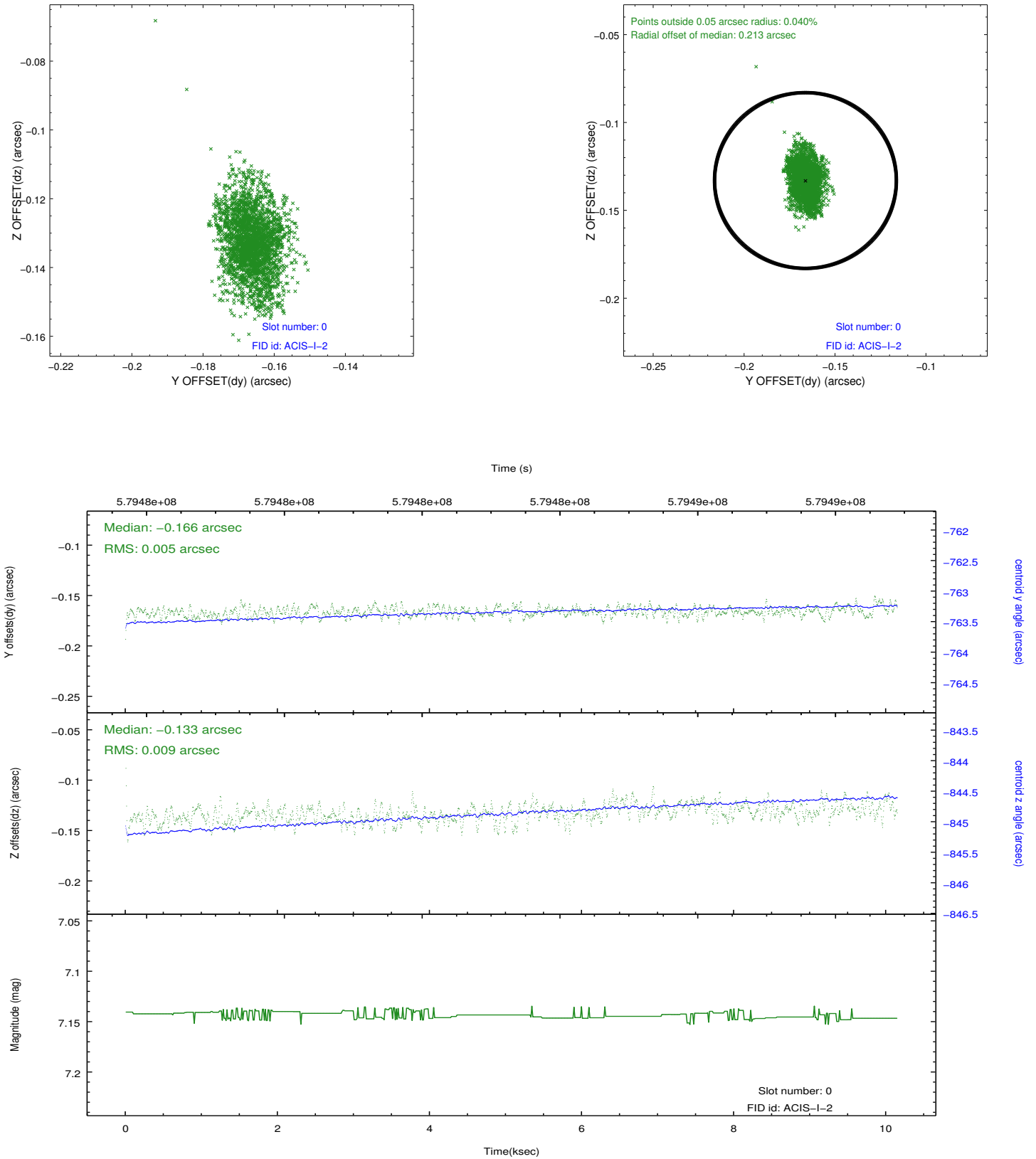


2.4.5 Slot 7

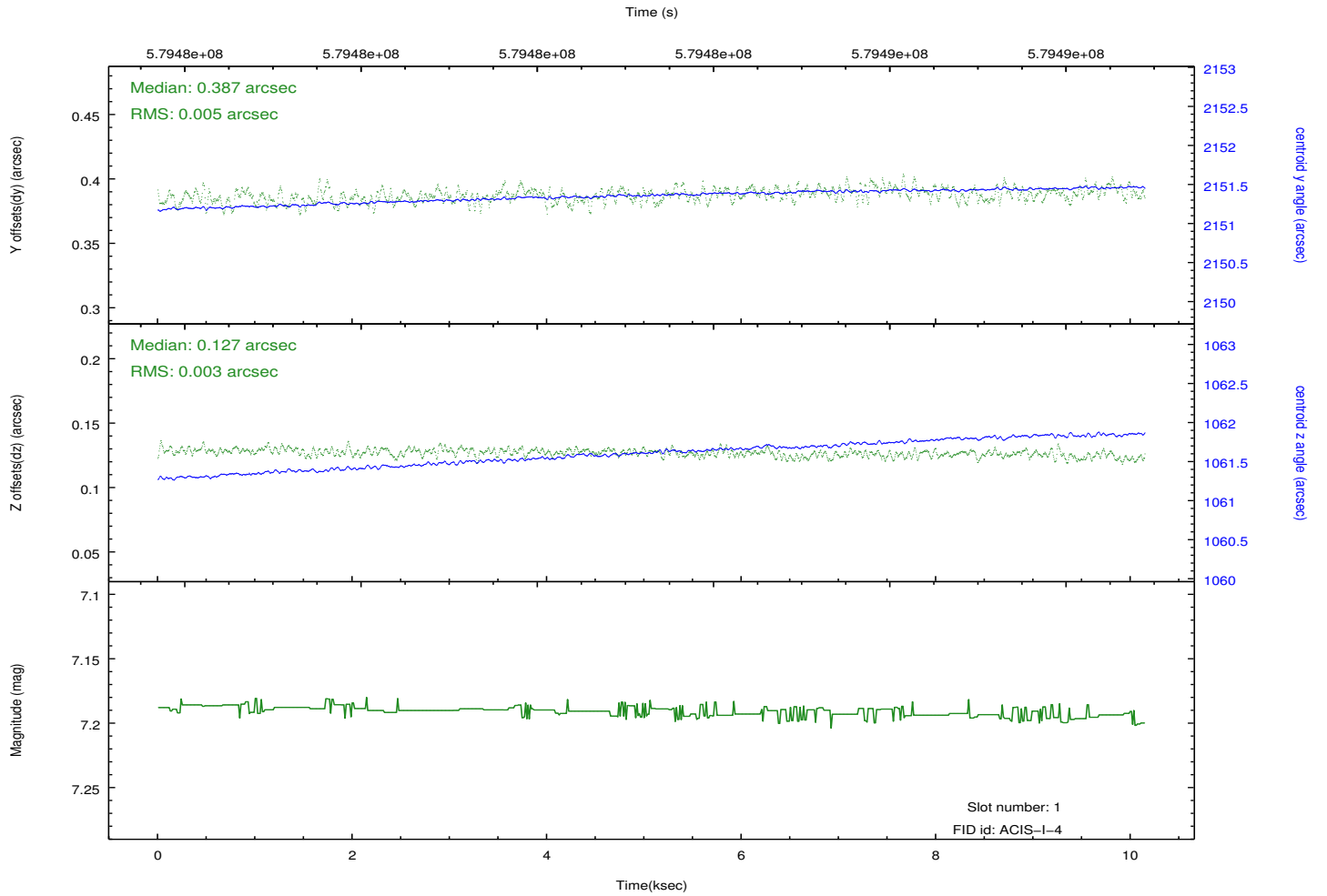
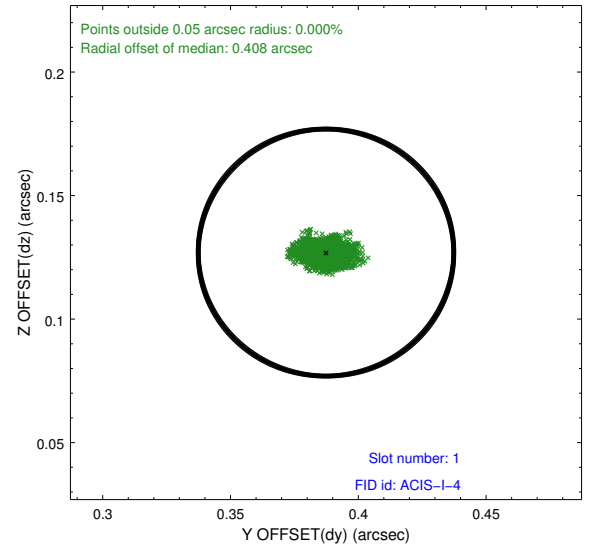
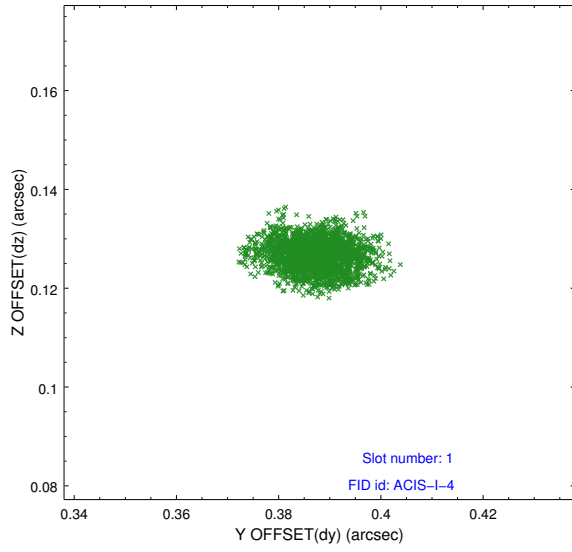


2.5 FID Slots

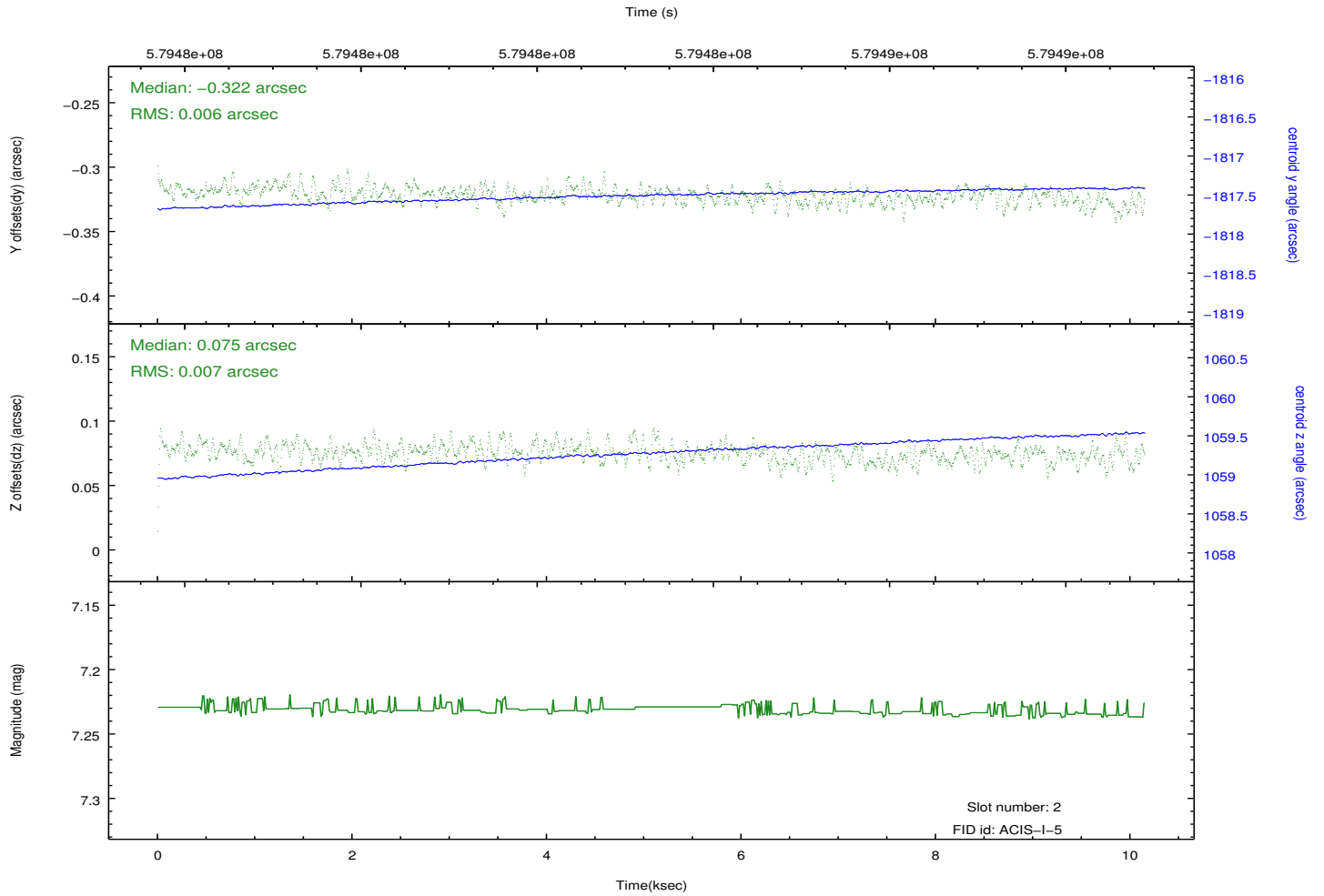
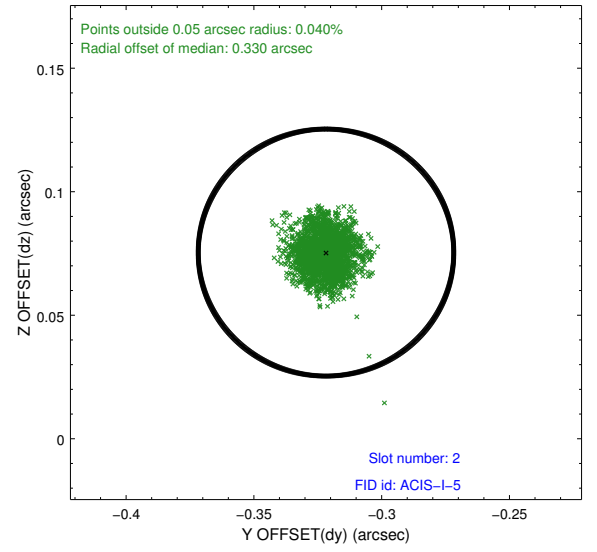
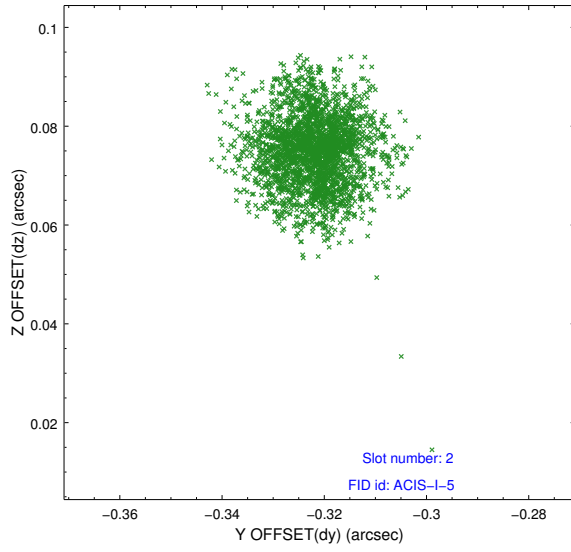
2.5.1 Slot 0



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)	2016.05.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.084300077677

A.2 Comments

Joint Proposal: HST