

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 4792 - L2 Version 4
Chandra X-Ray Center

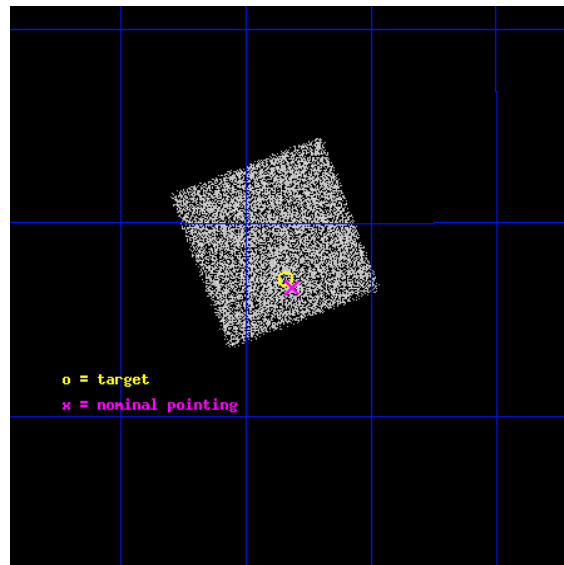
L2 Processing Date : Dec 6 2012

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

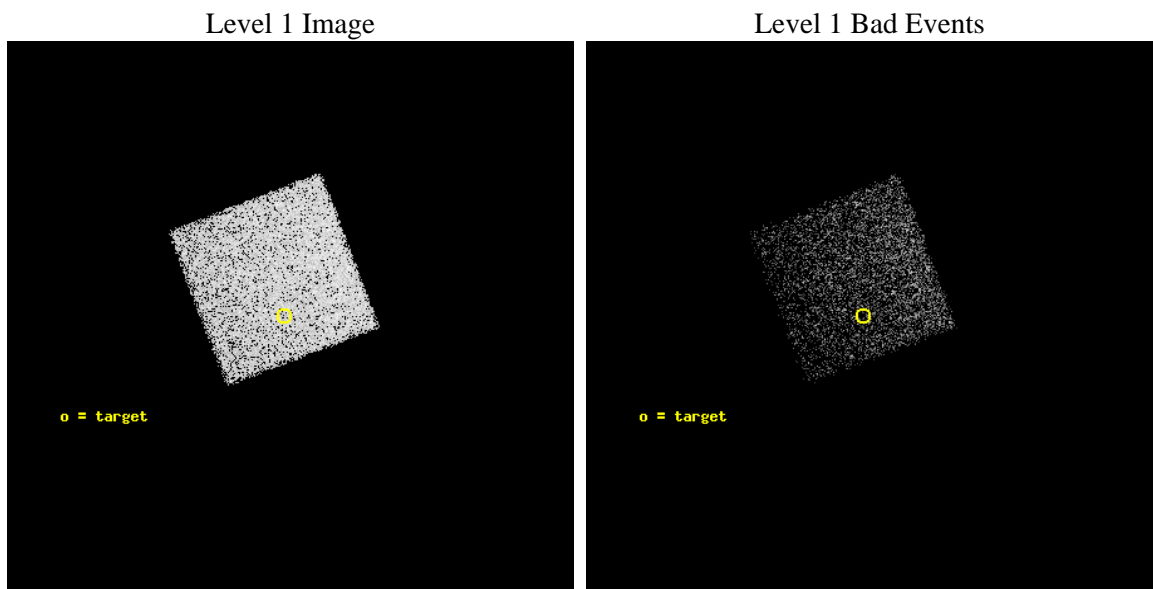
seq_num	700875	Sequence number
obs_id	4792	Observation id
title	Anchoring the AGN X-ray Luminosity Function	Proposal title
observer	Dr. JOHN SALZER	Principal investigator
object	F1520-608	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	231.085	Observer's specified target RA [deg]
dec_targ	29.119111	Observer's specified target Dec [deg]
ra_nom	231.07932934923	Nominal RA [deg]
dec_nom	29.110887748187	Nominal Dec [deg]
roll_nom	248.9464901848	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4182.0	Sum of GTIs [s]
livetime	4125.5623076316	Livetime [s]
ontime7	4182.0	Sum of GTIs [s]
l2events	16056	Number of level 2 events



2 OBI

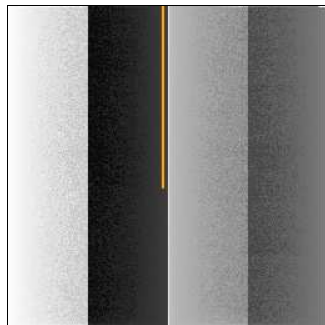
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	3	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	4182.0	Sum of GTIs [s]
caldsver	4.5.4	 	ontime7	4182.0	Sum of GTIs [s]
date	2012-12-06T22:36:10	Date and time of file creation	l1events	41547	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

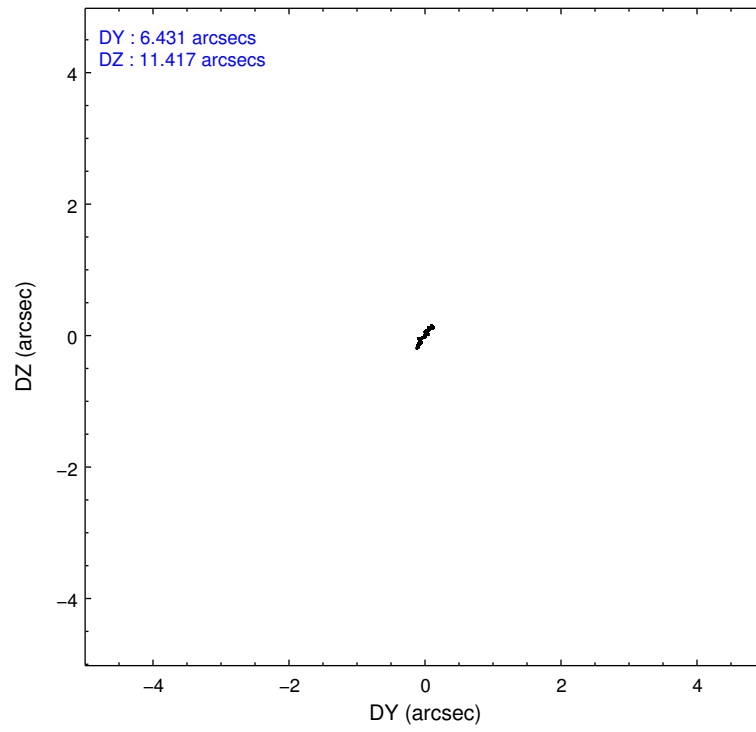
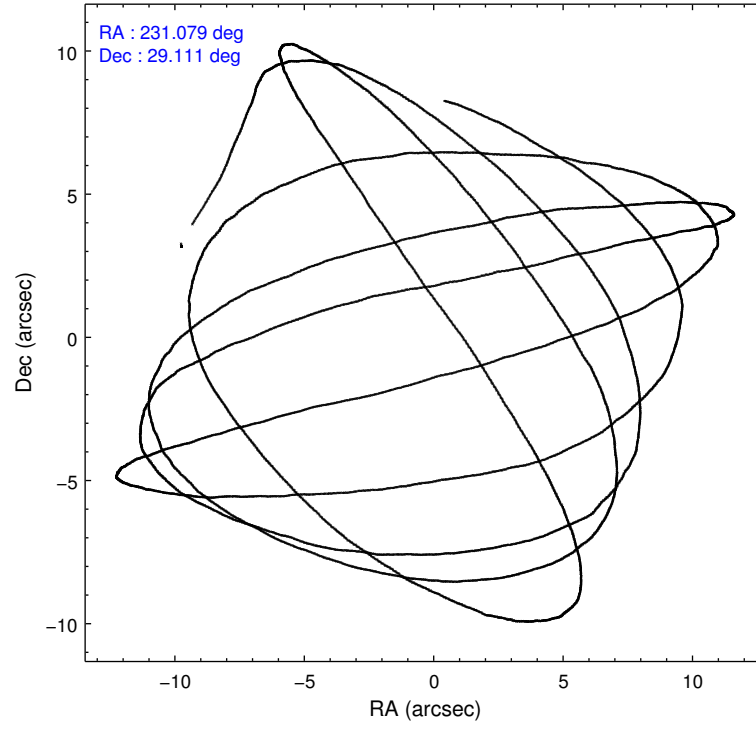
	ccd 7
level 1 events	41547
rejected events	25033
rejected %	60%

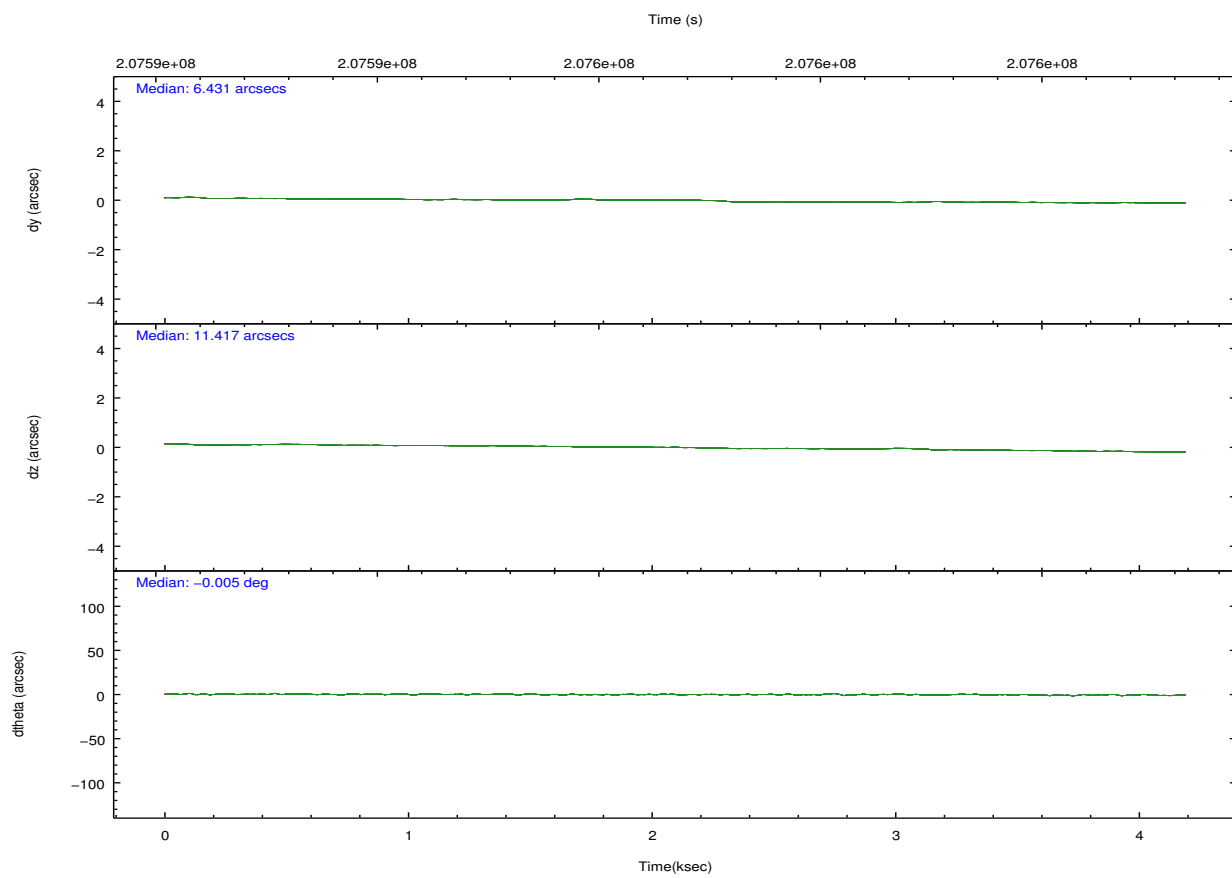
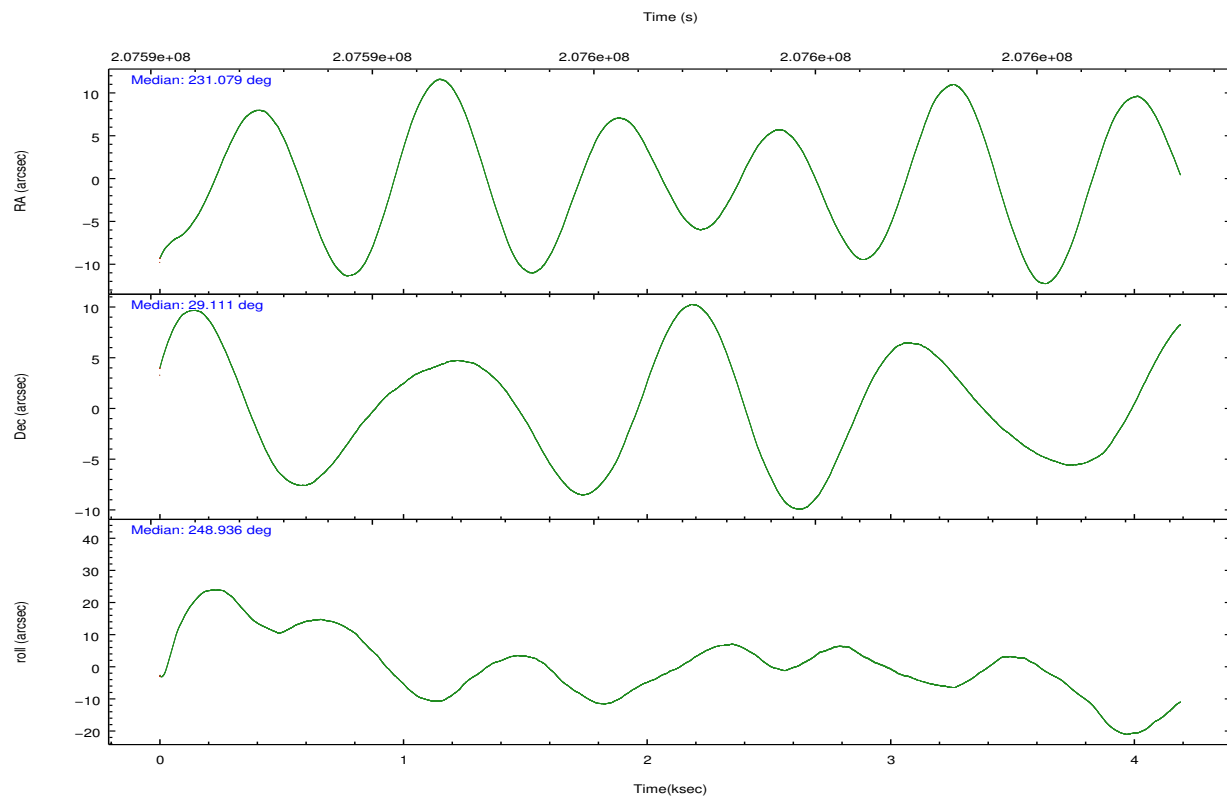
	ccd 7
grade 0 events	1624
	3%
grade 1 events	50
	0%
grade 2 events	3408
	8%
grade 3 events	1554
	3%
grade 4 events	1619
	3%
grade 5 events	4057
	9%
grade 6 events	9282
	22%
grade 7 events	19953
	48%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	231.074010	231.0793293492342	Subarray requested	NONE	NONE
[deg] Pointing Dec	29.137669	29.11088774818722	Alternating exposures requested	N	N
[deg] Pointing Roll	248.792511	248.9464901847953	[s] Primary exposure time	0.000000	3
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	207593437.184000	207592585.04034			
Observation start date	2004-07-30T16:49:33	2004-07-30T16:36:25			
[s] Observation end time (MET)	207597437.184000	207598272.25309			
Observation end date	2004-07-30T17:56:13	2004-07-30T18:11:12			
Read mode	TIMED	TIMED			

2.3 Aspect



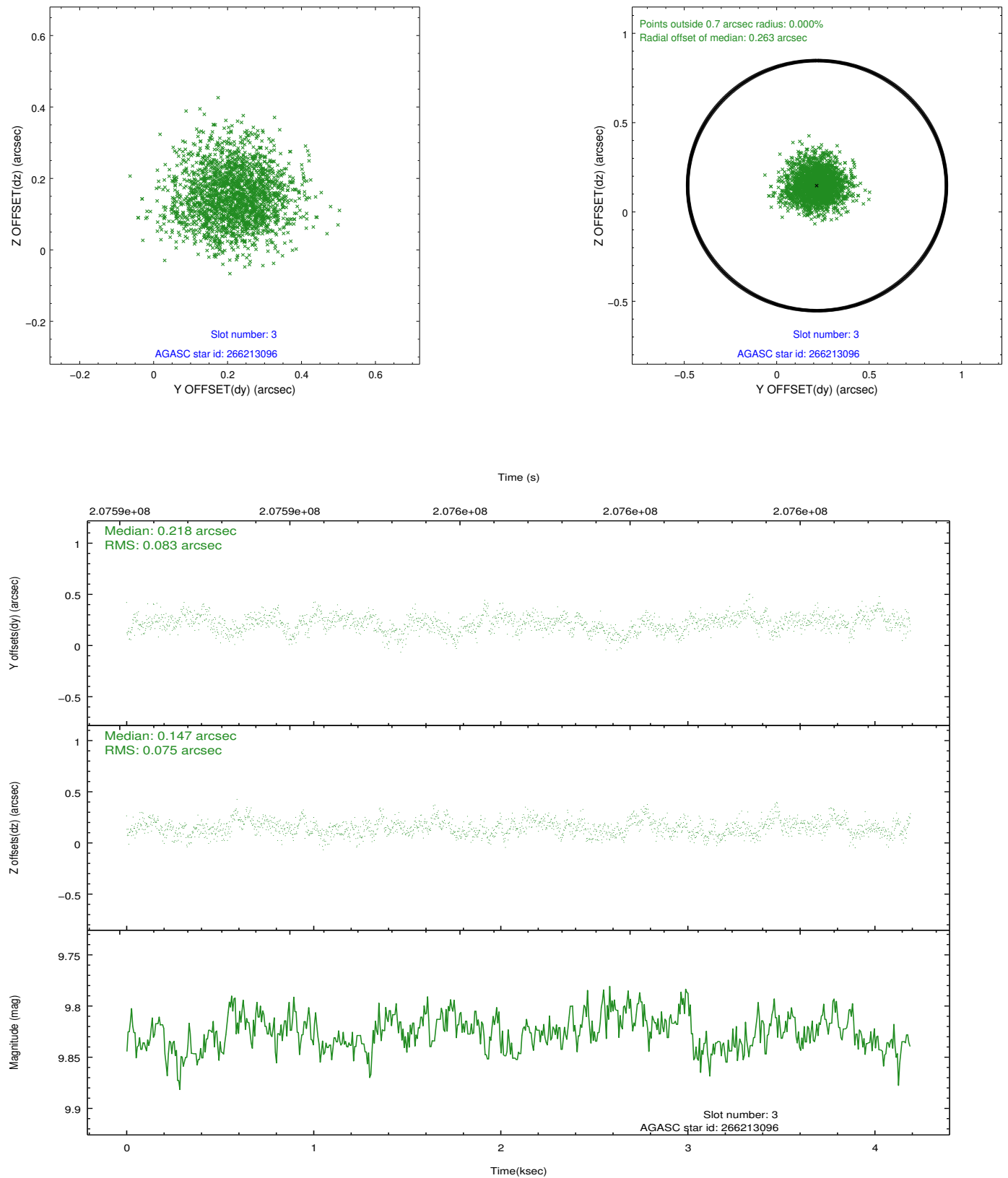


Slot Statistics

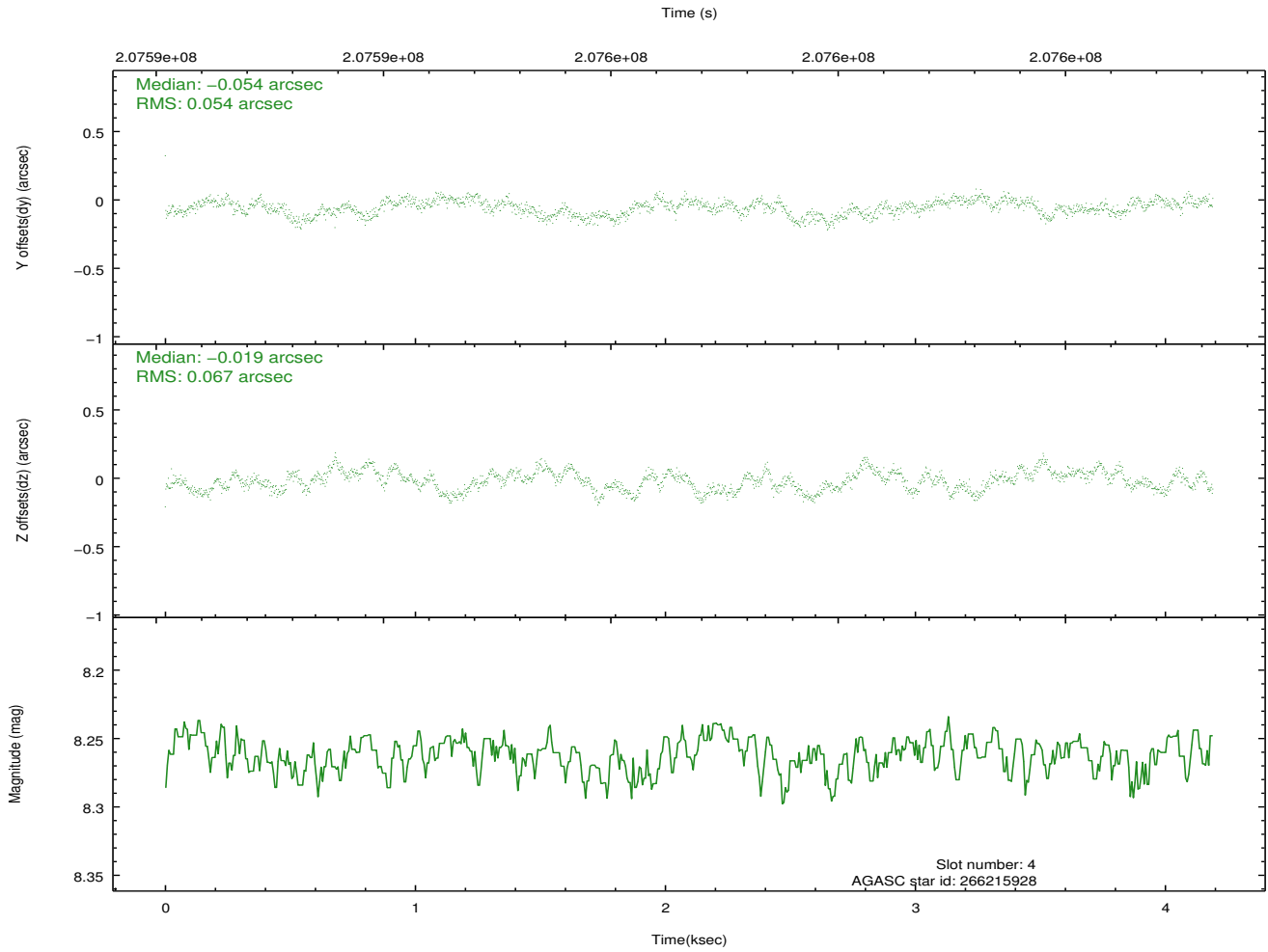
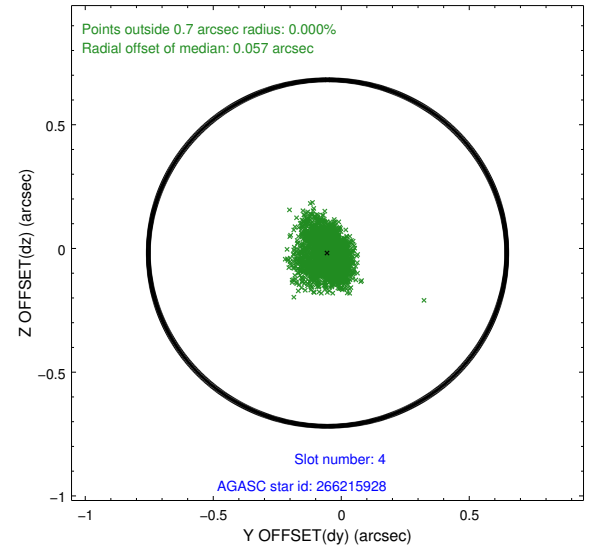
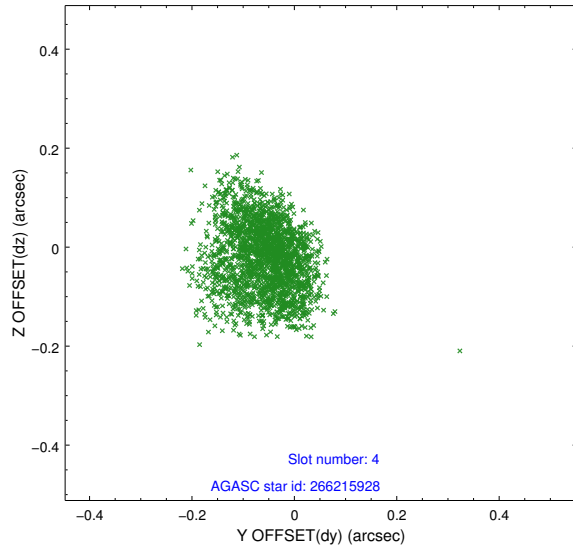
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1022	-0.053	-0.022	0.007	0.012	0.000000	0.000000	-759.19	-1732.72
1	FID	ACIS-S-4	7.21	1023	0.075	0.032	0.006	0.011	0.000000	0.000000	2153.53	174.31
2	FID	ACIS-S-5	7.23	1022	-0.053	-0.001	0.006	0.011	0.000000	0.000000	-1810.14	169.60
3	GUIDE	266213096	9.83	2043	0.218	0.147	0.119	0.195	231.286460	28.376979	2309.64	1618.41
4	GUIDE	266215928	8.26	2044	-0.054	-0.019	0.093	0.147	231.261301	29.146197	-240.46	538.42
5	GUIDE	266216280	9.11	2045	-0.146	0.014	0.090	0.145	230.814626	29.031614	651.28	-623.33
6	GUIDE	266350560	10.85	2038	-0.024	-0.122	0.226	0.367	231.729637	28.979572	-221.13	2128.20
7	GUIDE	266211432	9.82	2042	0.024	-0.020	0.140	0.230	230.664611	28.567589	2380.11	-463.74

2.4 Star Slots

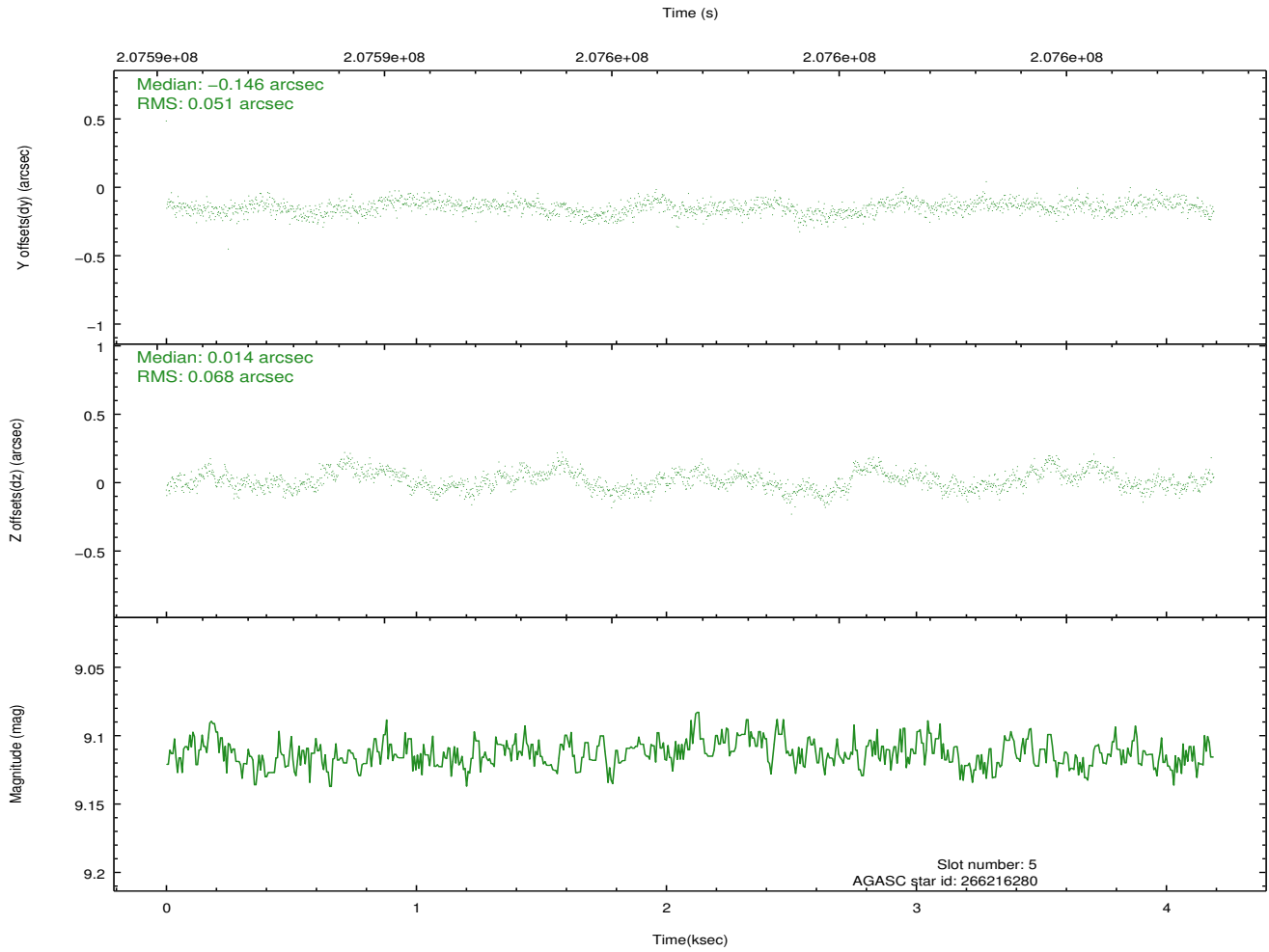
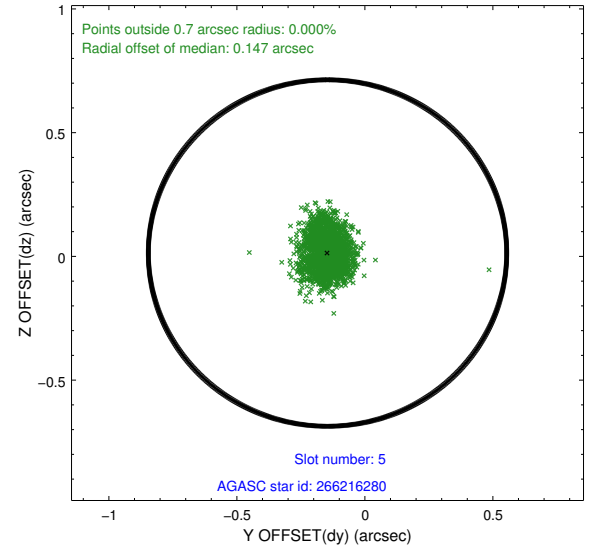
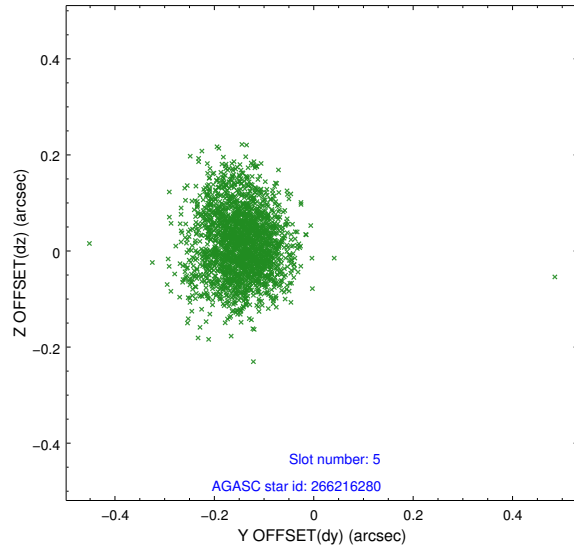
2.4.1 Slot 3



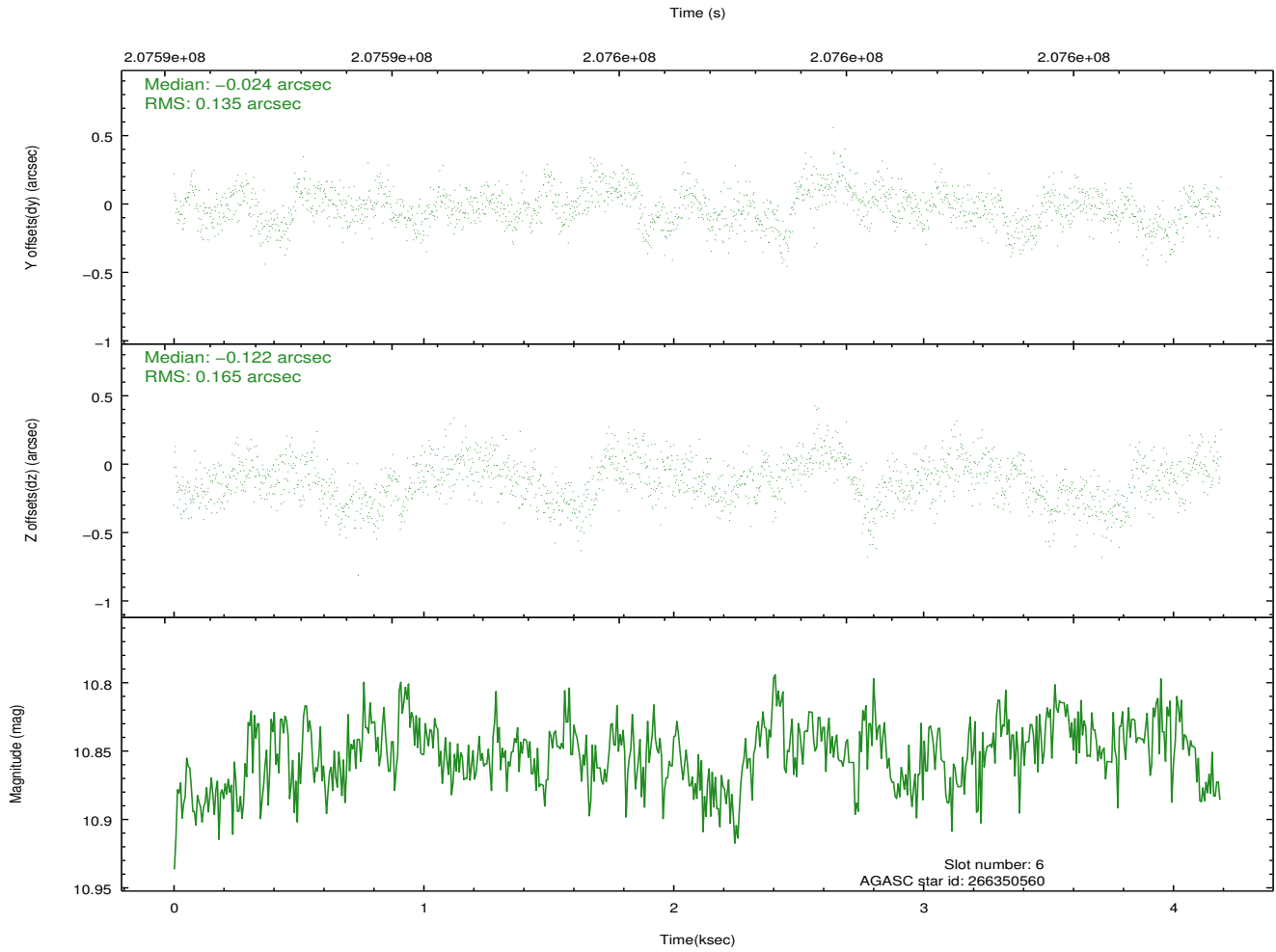
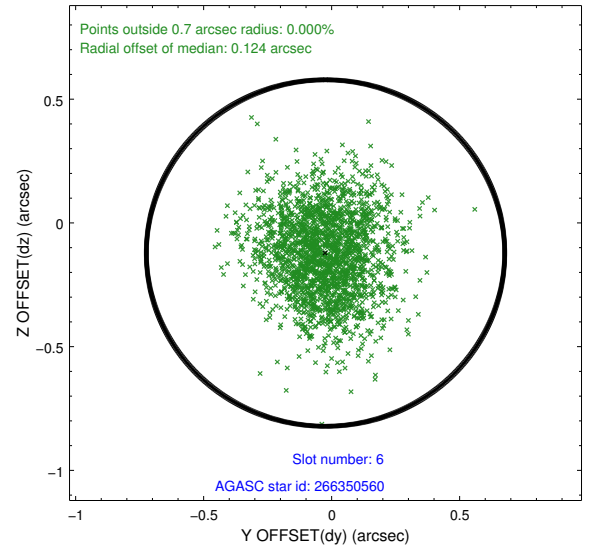
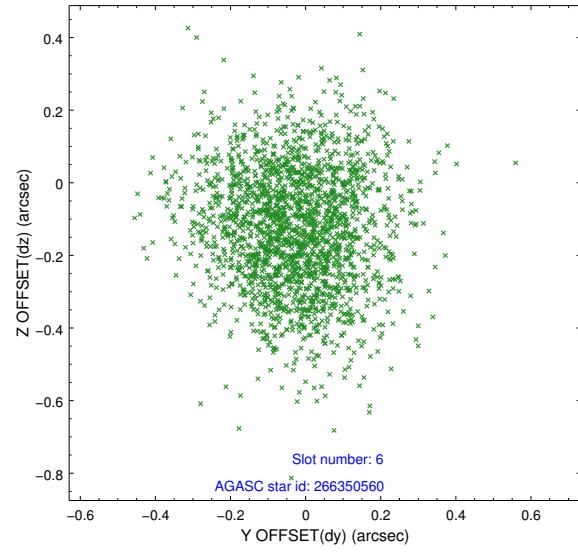
2.4.2 Slot 4



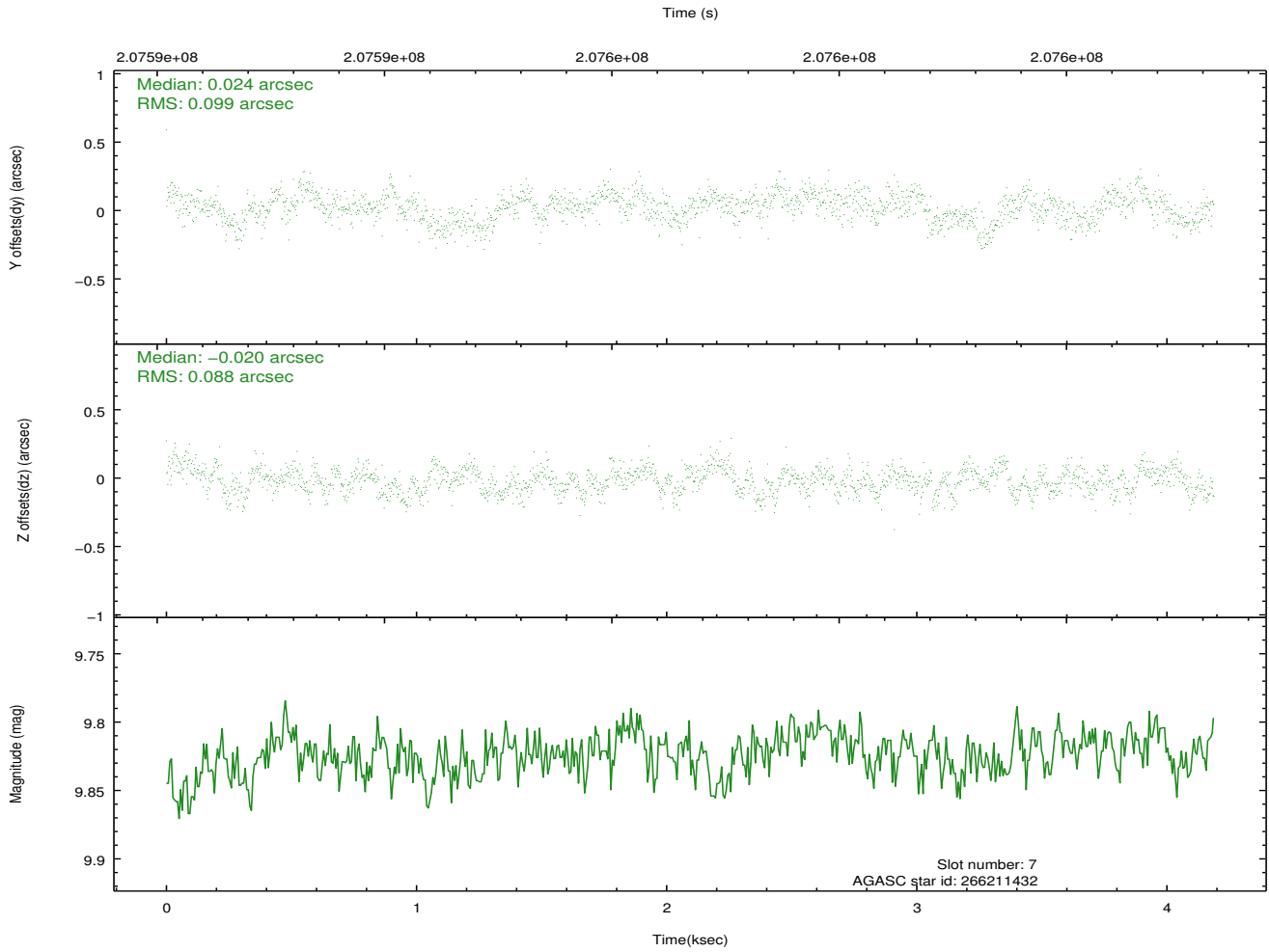
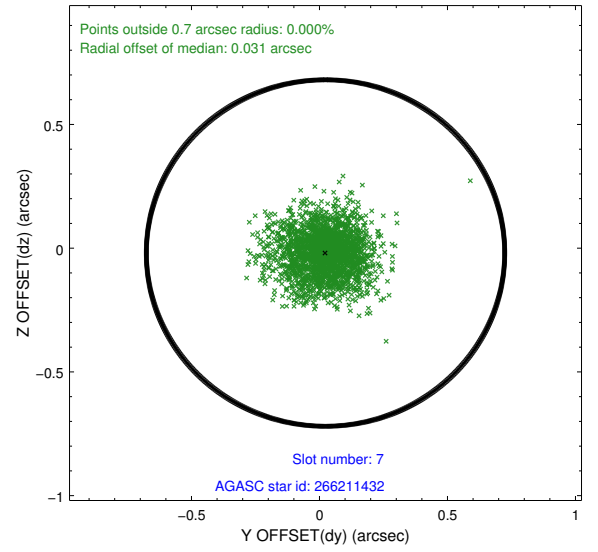
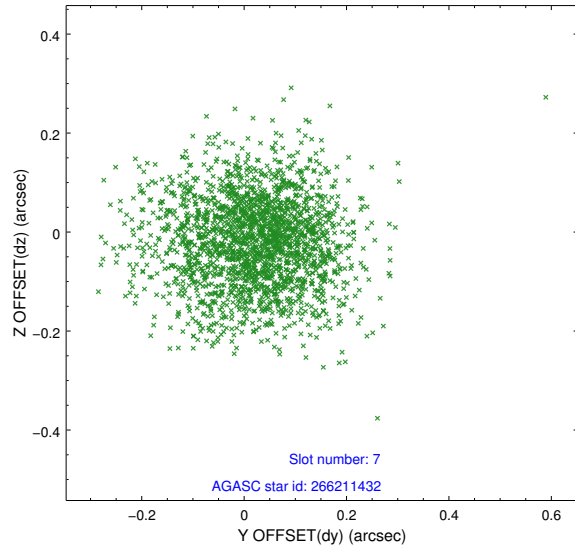
2.4.3 Slot 5



2.4.4 Slot 6

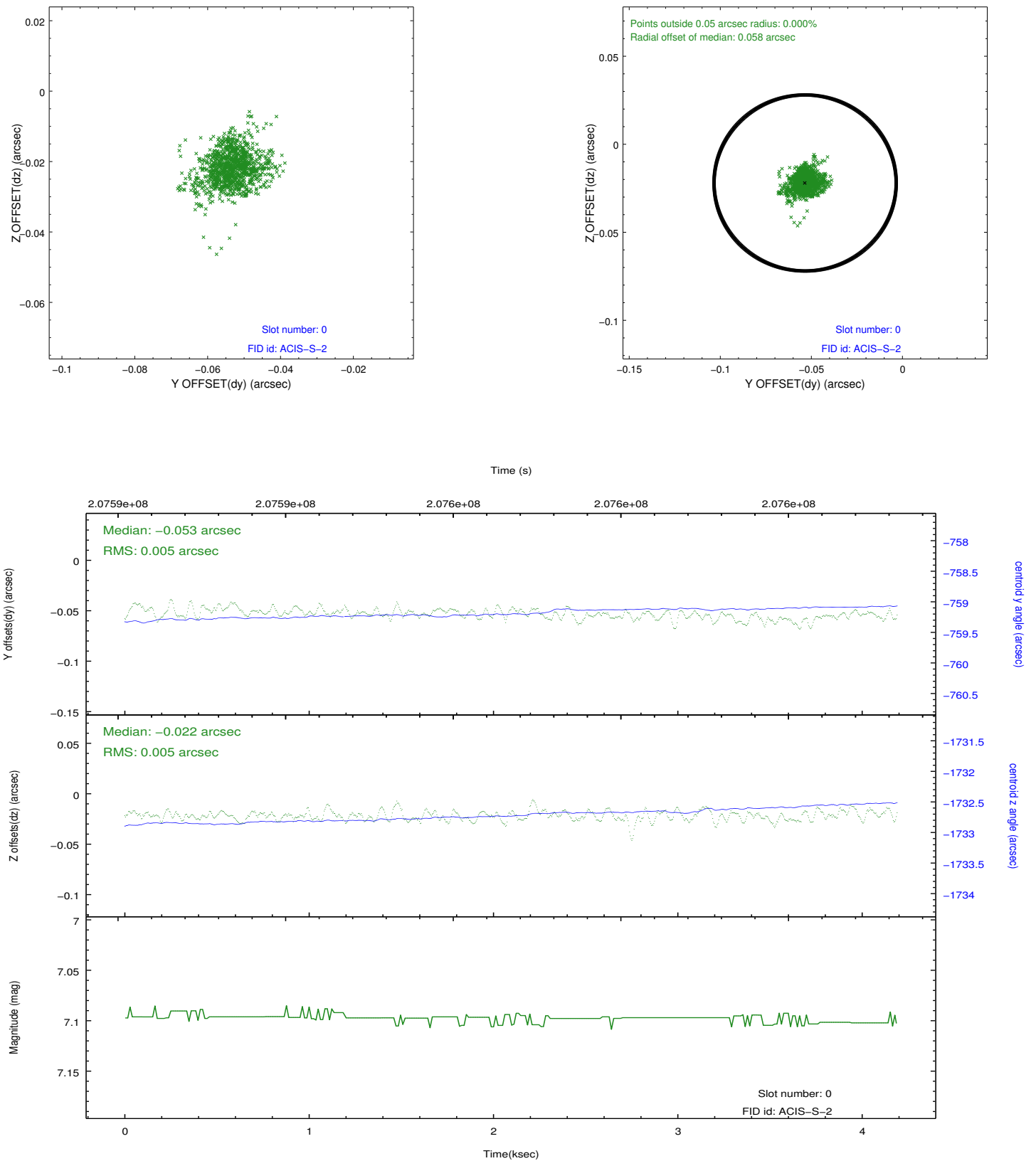


2.4.5 Slot 7

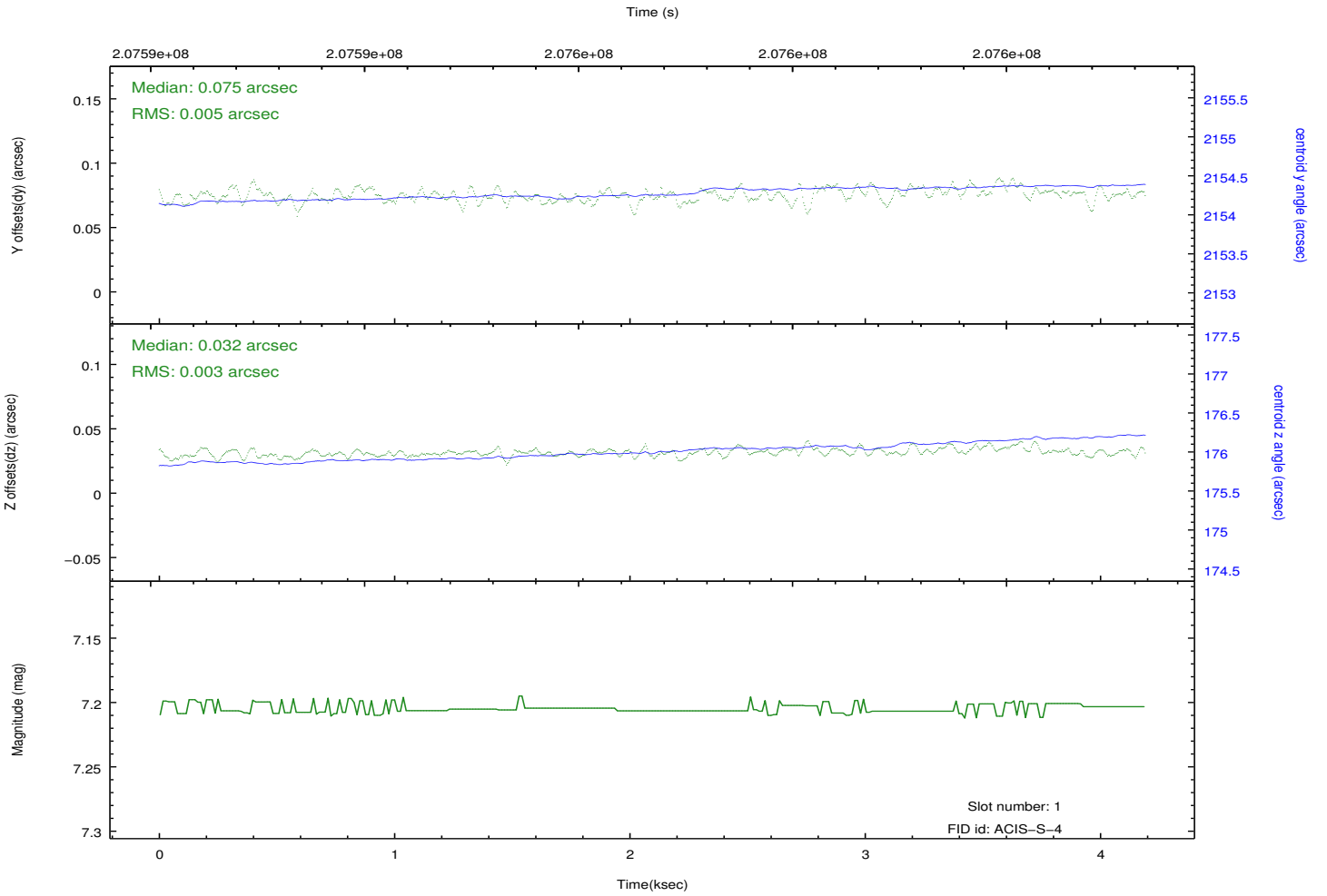
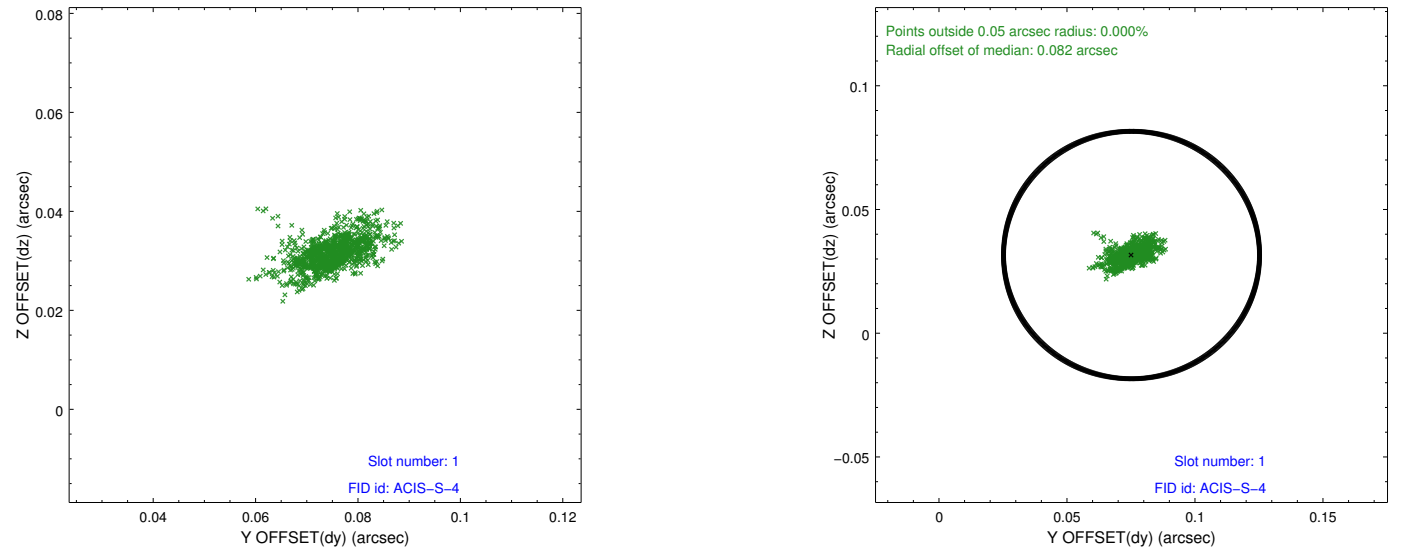


2.5 FID Slots

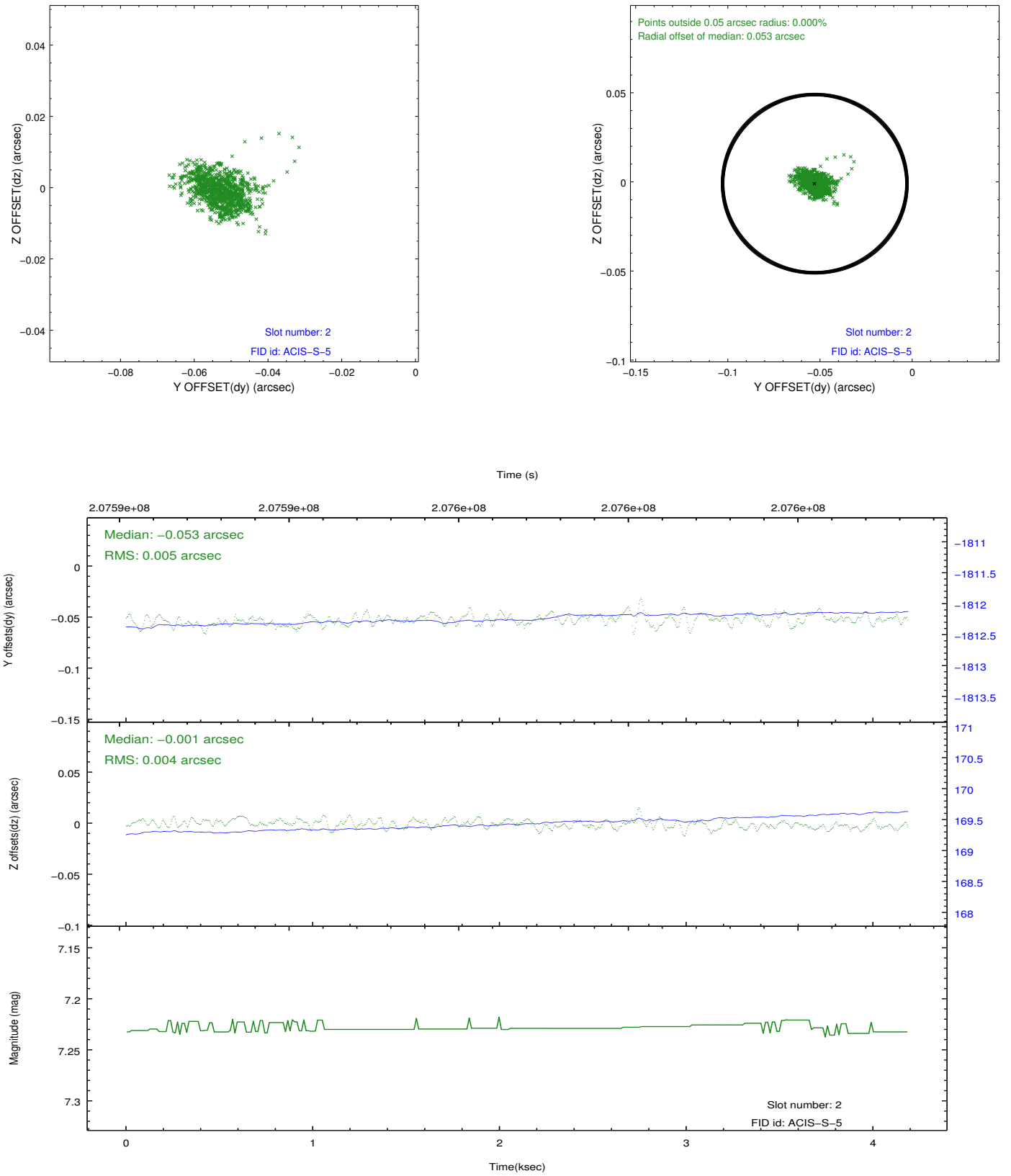
2.5.1 Slot 0



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)	2012.12.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.182

A.2 Comments