

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9978 - L2 Version 2
Chandra X-Ray Center

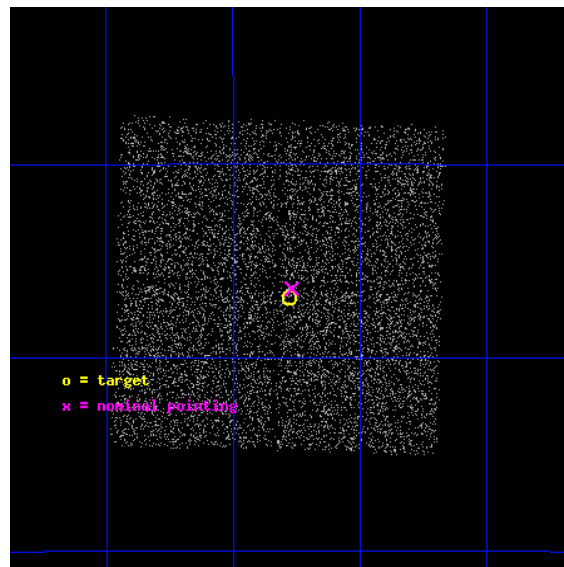
L2 Processing Date : Jun 1 2012

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

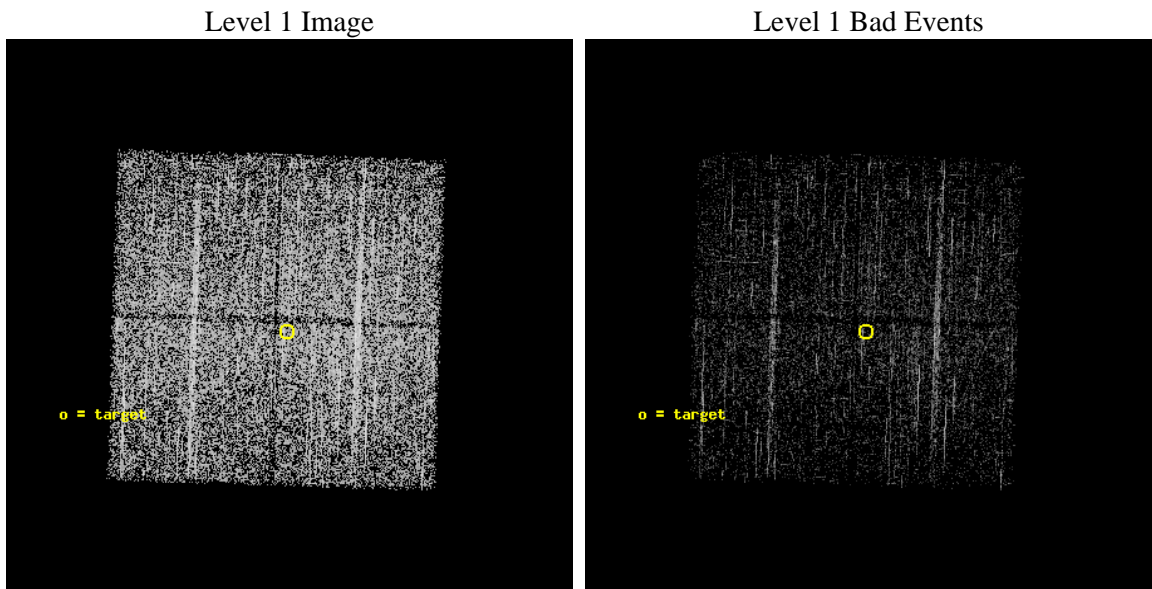
seq_num	400942	Sequence number
obs_id	9978	Observation id
title	Completing the Galactic Bulge Survey: categorising the plethora of faint X-ray sources in the Galactic Bulge	Proposal title
observer	dr Peter Jonker	Principal investigator
object	GBS1-10	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	264.945125	Observer's specified target RA [deg]
dec_targ	-27.781444	Observer's specified target Dec [deg]
ra_nom	264.942125403	Nominal RA [deg]
dec_nom	-27.773987965455	Nominal Dec [deg]
roll_nom	91.856408406427	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2188.6000168324	Sum of GTIs [s]
livetime	2160.0043463885	Livetime [s]
ontime0	2188.6000168324	Sum of GTIs [s]
ontime1	2188.6000168324	Sum of GTIs [s]
ontime2	2188.6000168324	Sum of GTIs [s]
ontime3	2188.6000168324	Sum of GTIs [s]
l2events	10483	Number of level 2 events



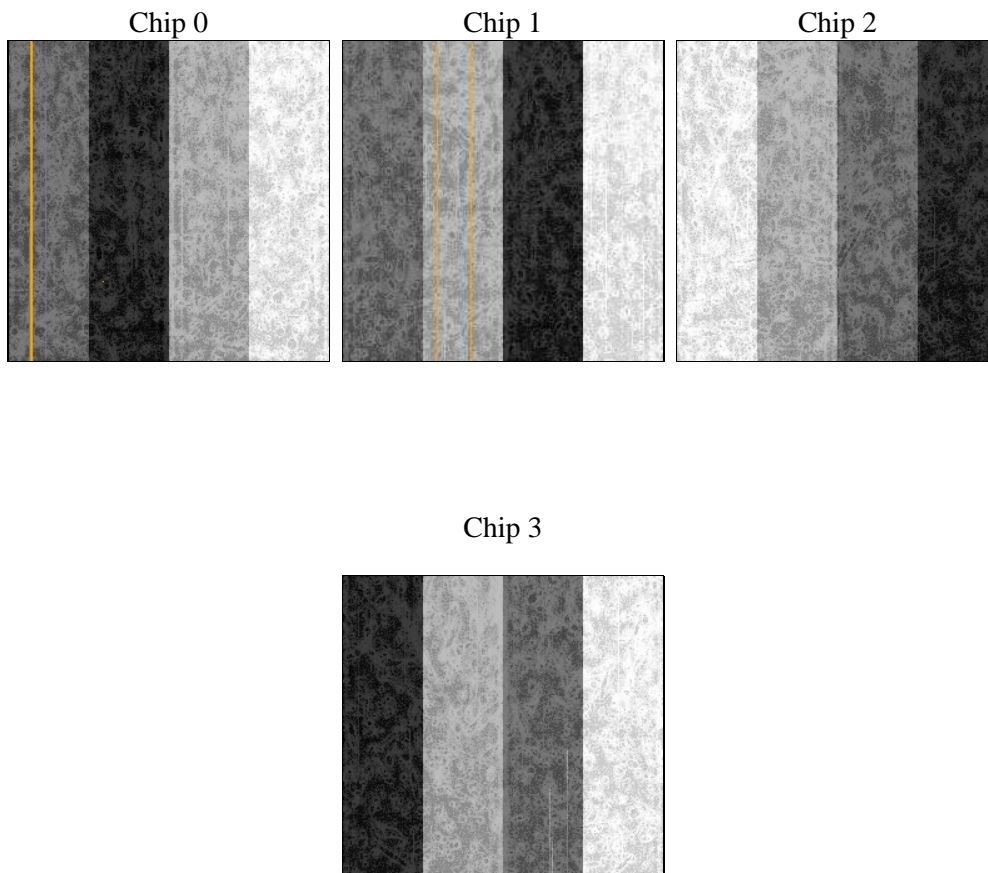
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2188.6000168324	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	2188.6000168324	Sum of GTIs [s]
date	2012-06-01T06:01:52	Date and time of file creation	ontime1	2188.6000168324	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	2188.6000168324	Sum of GTIs [s]
			ontime3	2188.6000168324	Sum of GTIs [s]
			l1events	98308	Number of level 1 events

2.1.4 Events

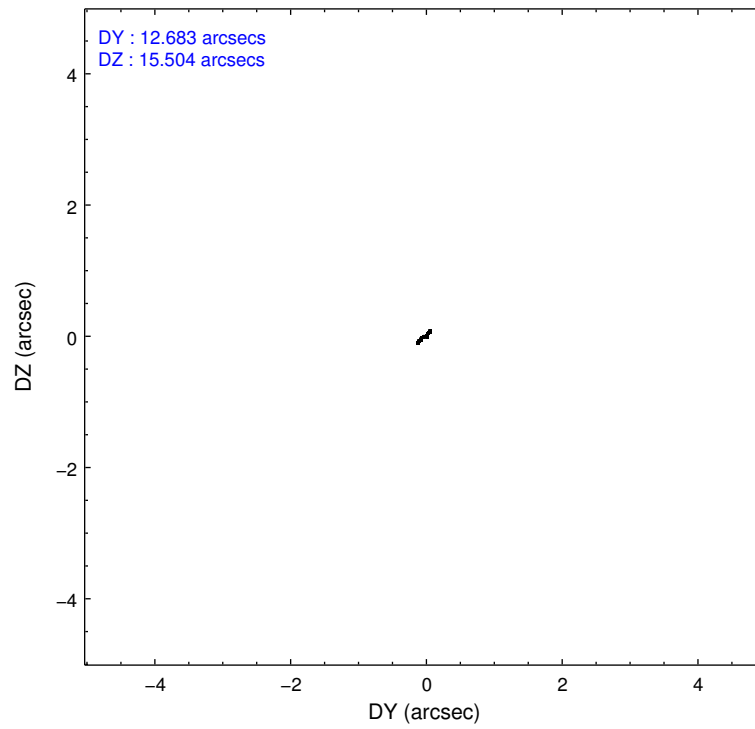
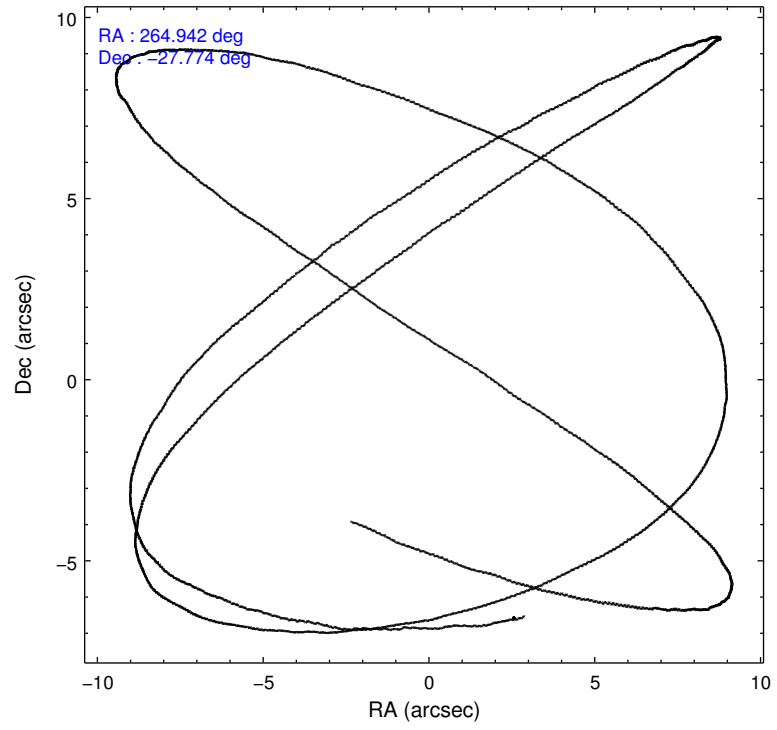
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	22808	23637	25918	25945
rejected events	19895	20439	22849	22909
rejected %	87%	86%	88%	88%

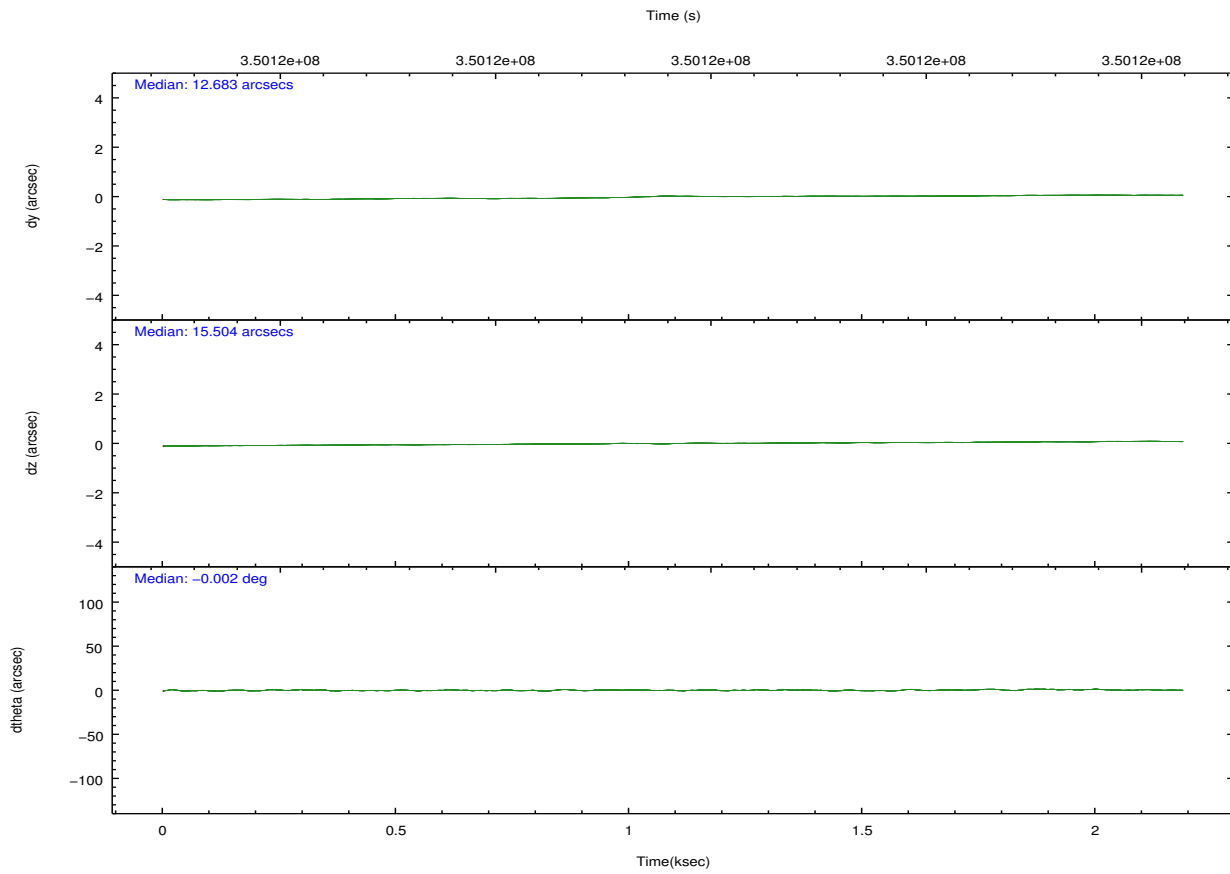
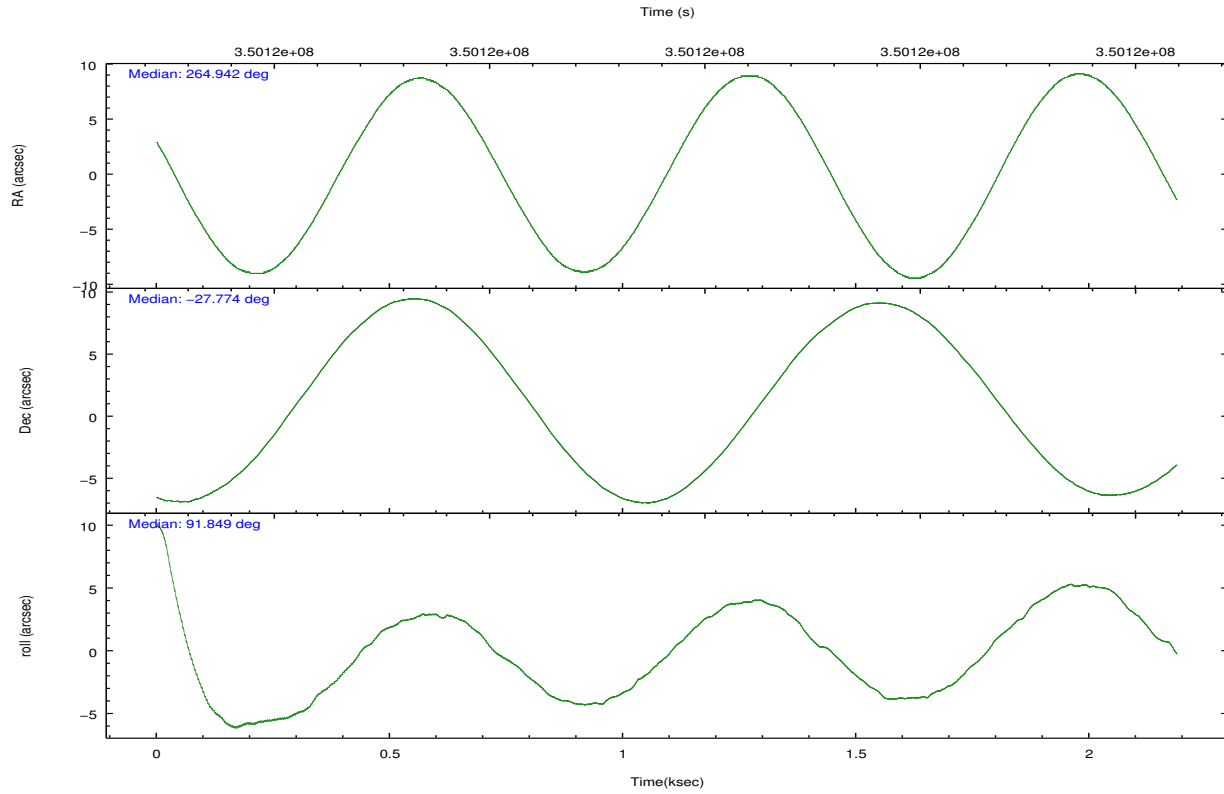
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	1466	1525	1670	1620
	6%	6%	6%	6%
grade 1 events	15	12	15	21
	0%	0%	0%	0%
grade 2 events	679	853	697	699
	2%	3%	2%	2%
grade 3 events	284	294	296	312
	1%	1%	1%	1%
grade 4 events	299	330	302	291
	1%	1%	1%	1%
grade 5 events	1067	1110	1019	1193
	4%	4%	3%	4%
grade 6 events	577	682	536	577
	2%	2%	2%	2%
grade 7 events	18421	18831	21383	21232
	80%	79%	82%	81%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	264.958640	264.9421254029992	Subarray requested	NONE	NONE
[deg] Pointing Dec	-27.797105	-27.773987965455	Alternating exposures requested	N	N
[deg] Pointing Roll	91.655414	91.85640840642718	[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)	350122014.184000	350121637.73201			
Observation start date	2009-02-04T08:05:48	2009-02-04T08:00:37			
[s] Observation end time (MET)	350124014.184000	350124147.95714			
Observation end date	2009-02-04T08:39:08	2009-02-04T08:42:27			
Read mode	TIMED	TIMED			

2.3 Aspect



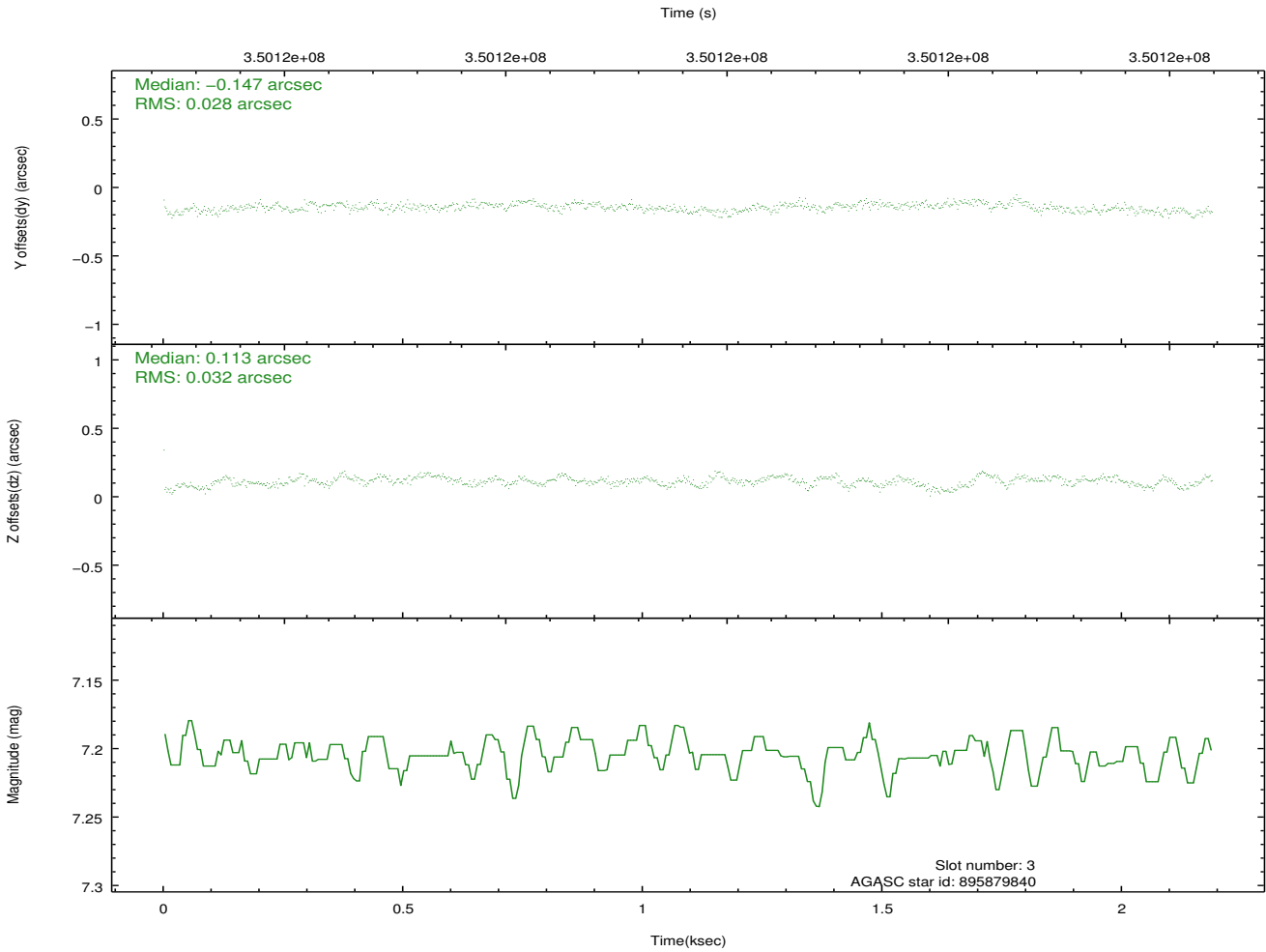
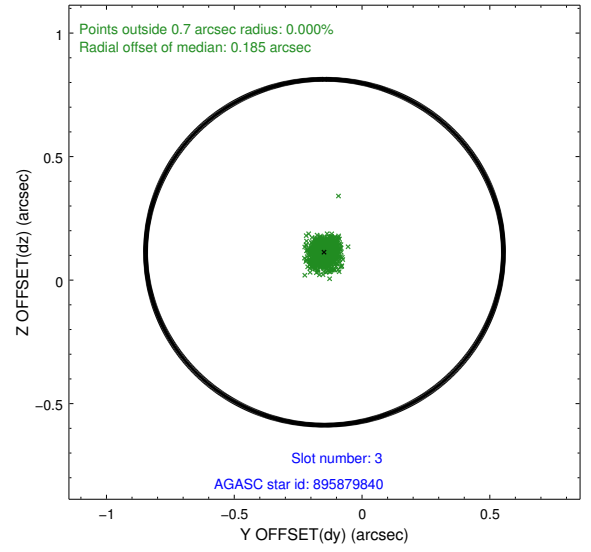
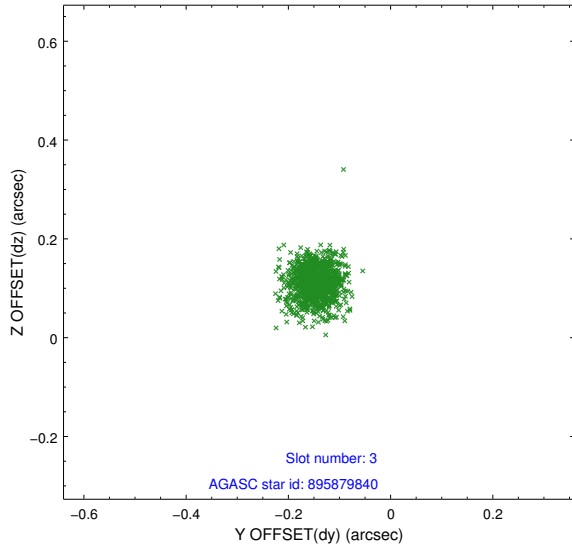


Slot Statistics

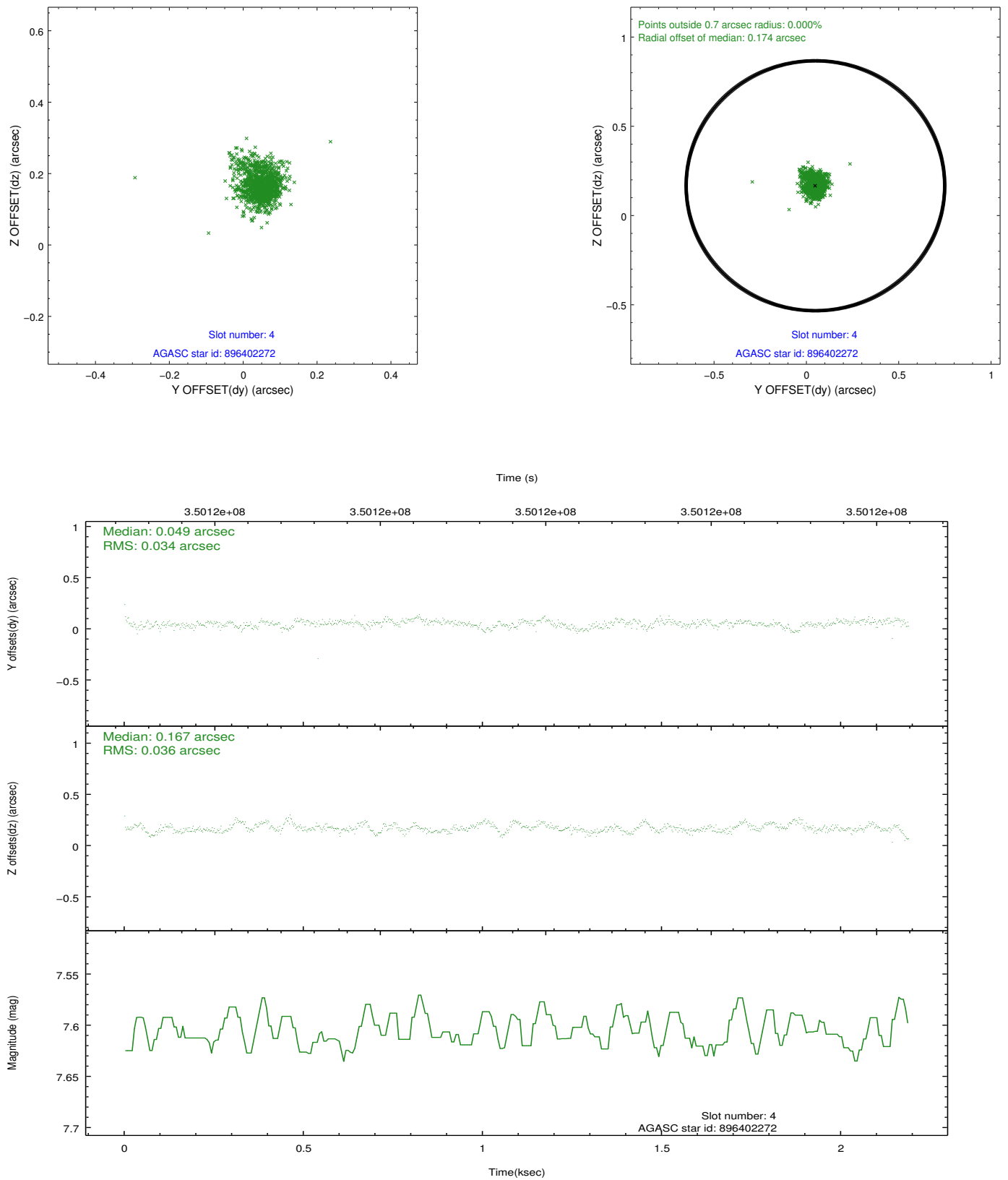
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.00	534	0.039	-0.027	0.007	0.012	0.000000	0.000000	926.90	-839.14
1	FID	ACIS-I-5	7.01	534	-0.189	0.046	0.006	0.012	0.000000	0.000000	-1819.78	1056.93
2	FID	ACIS-I-6	7.01	534	0.058	0.052	0.006	0.010	0.000000	0.000000	389.23	1704.81
3	GUIDE	895879840	7.20	1068	-0.147	0.113	0.045	0.074	265.218397	-27.395778	1419.89	-870.85
4	GUIDE	896402272	7.61	1068	0.049	0.167	0.050	0.087	265.637294	-28.313189	-1922.93	-2096.81
5	GUIDE	896403960	8.57	1065	0.060	-0.228	0.062	0.103	264.379044	-28.245612	-1566.50	1882.04
6	GUIDE	896406568	8.24	1068	0.063	-0.215	0.062	0.104	264.435951	-28.437282	-2260.38	1722.27
7	GUIDE	896404568	7.86	1067	-0.018	0.163	0.058	0.092	265.687293	-28.431080	-2356.11	-2238.04

2.4 Star Slots

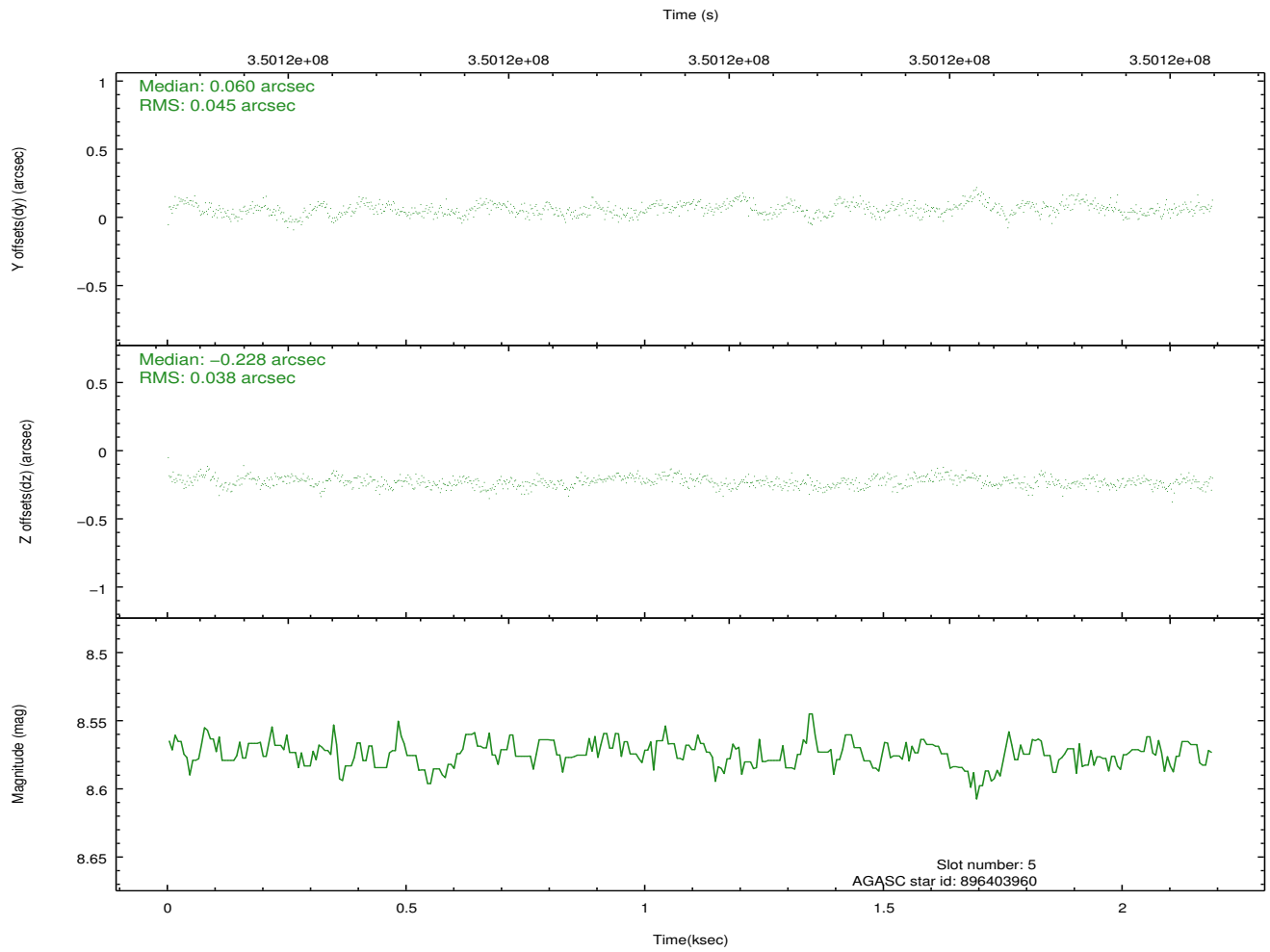
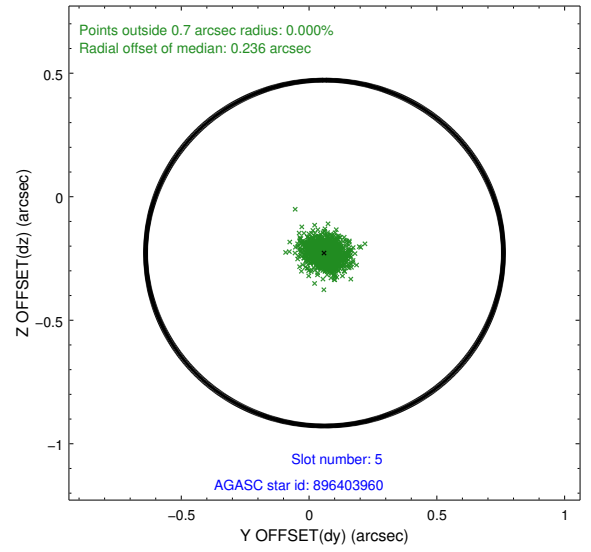
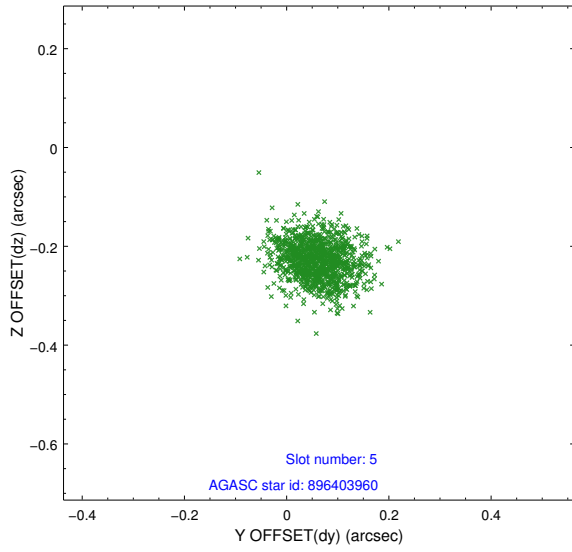
2.4.1 Slot 3



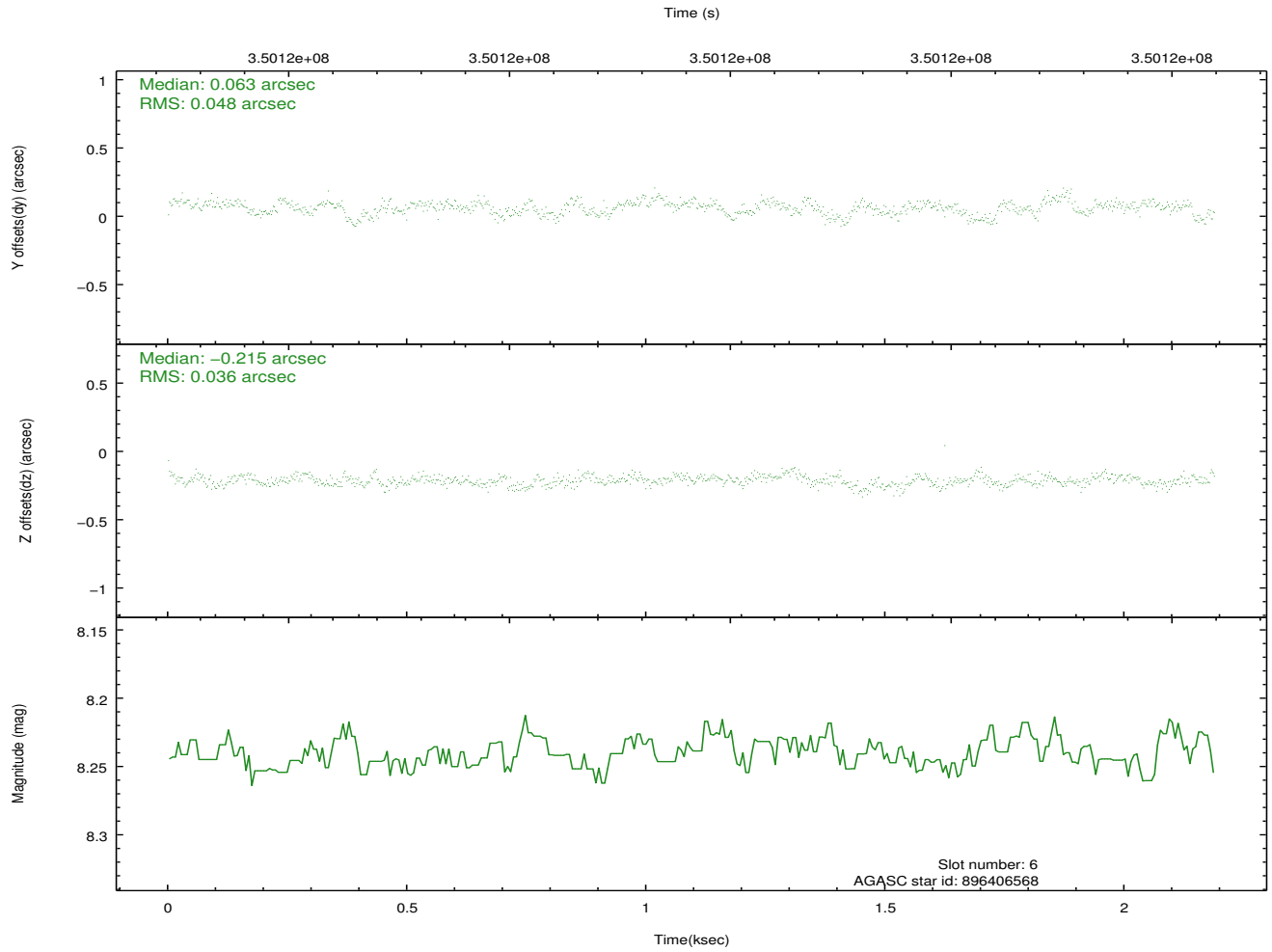
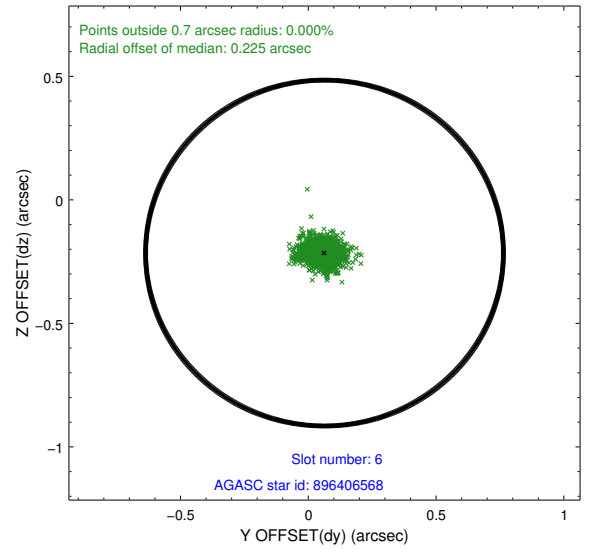
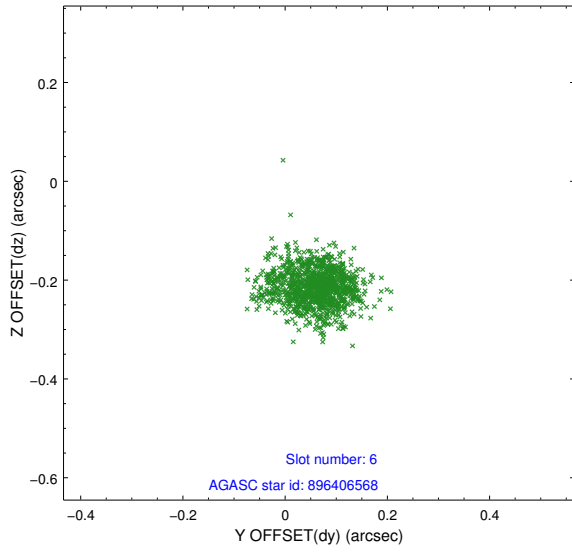
2.4.2 Slot 4



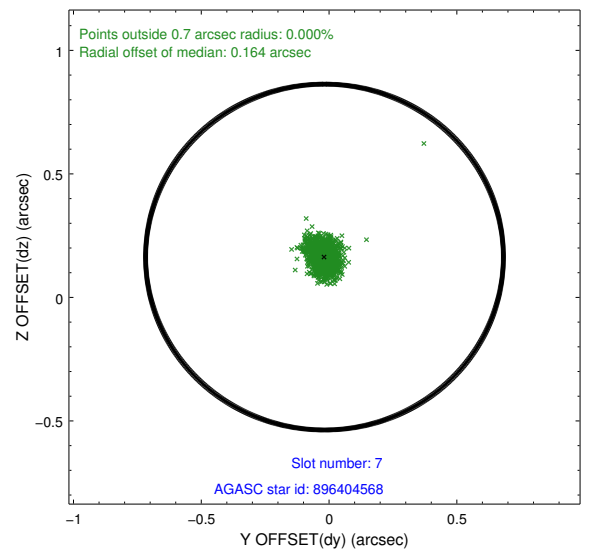
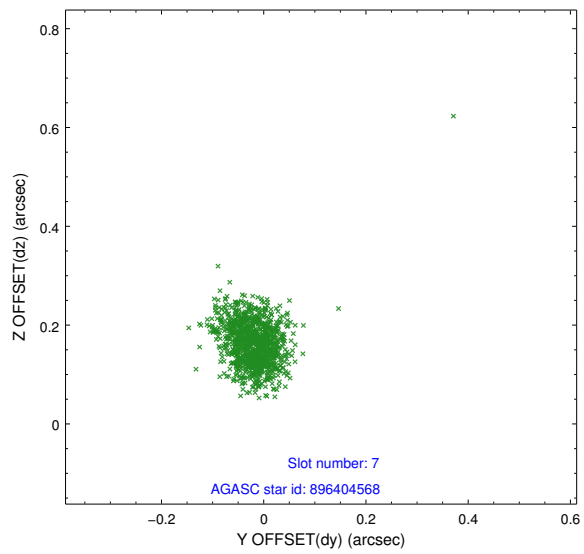
2.4.3 Slot 5



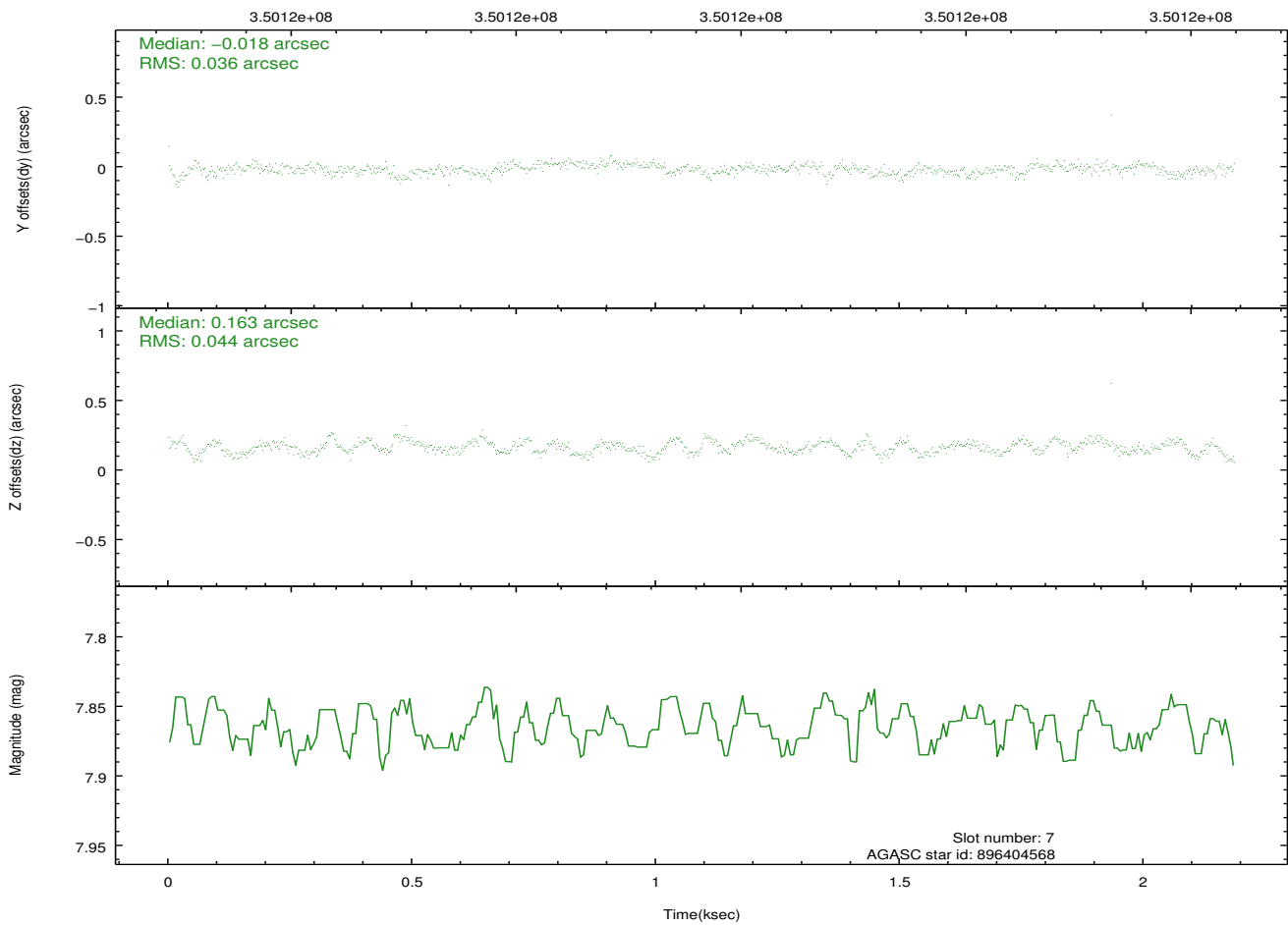
2.4.4 Slot 6



2.4.5 Slot 7

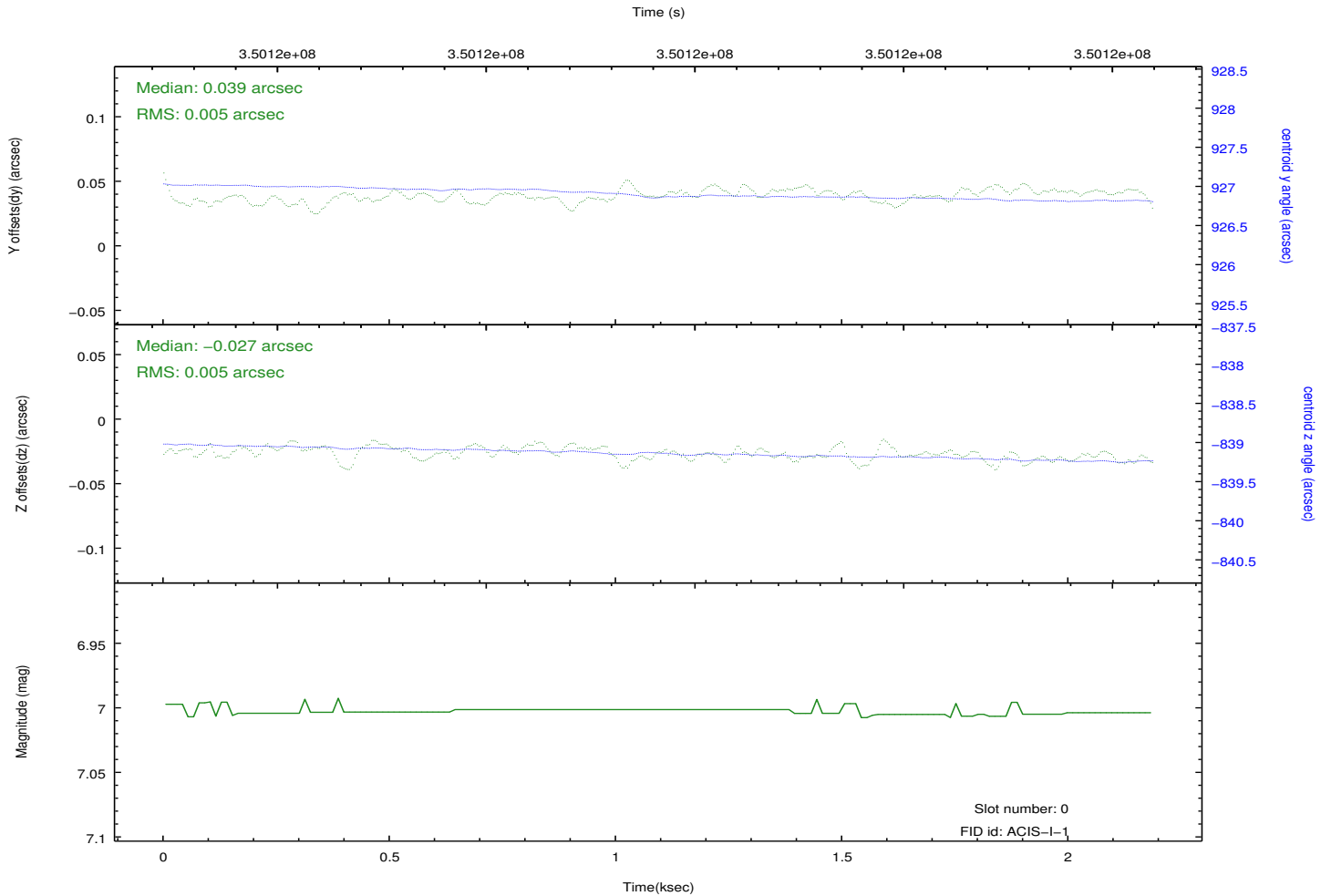
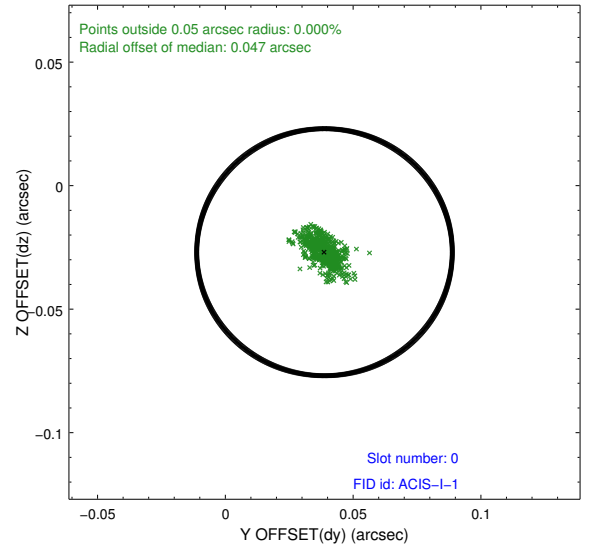
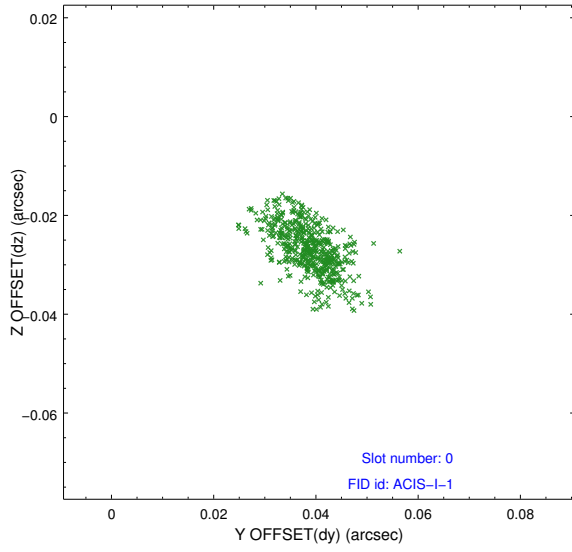


Time (s)

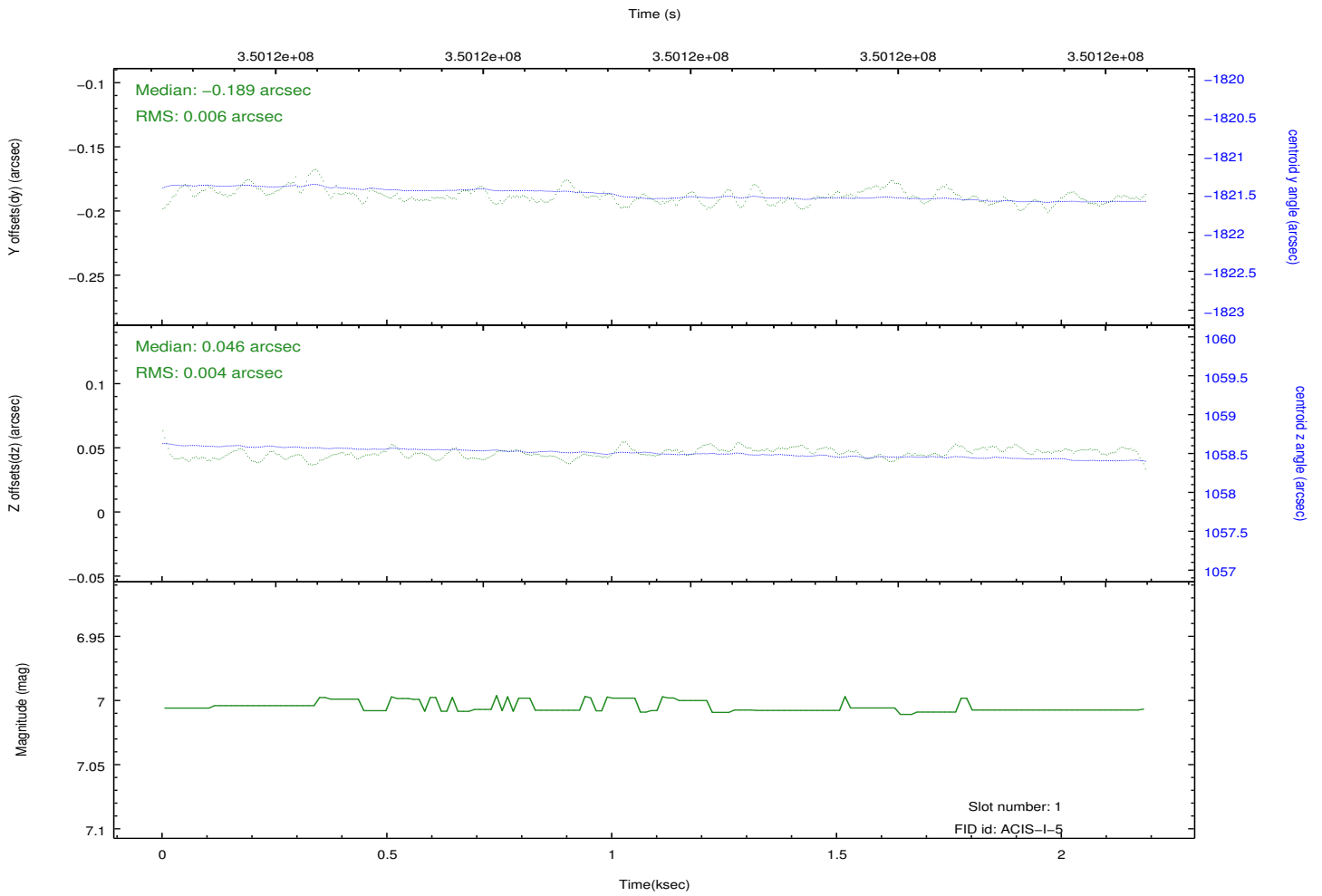
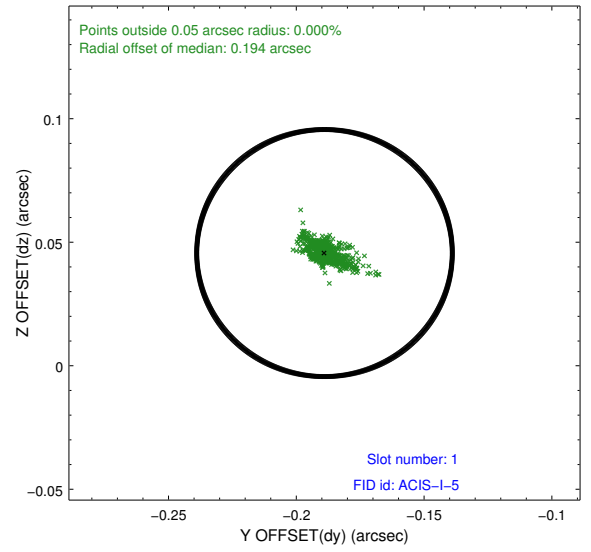
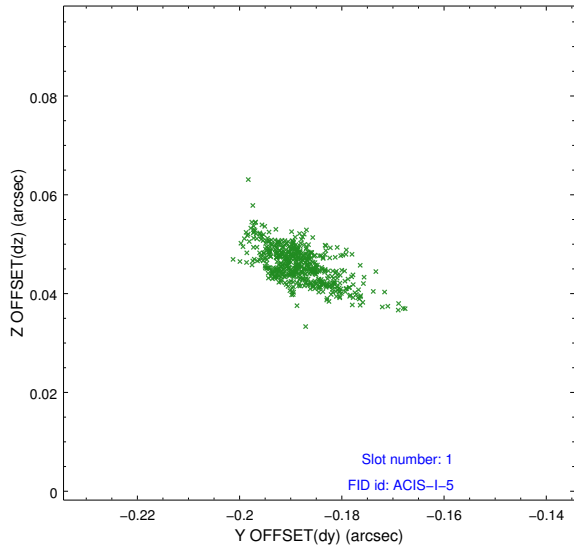


2.5 FID Slots

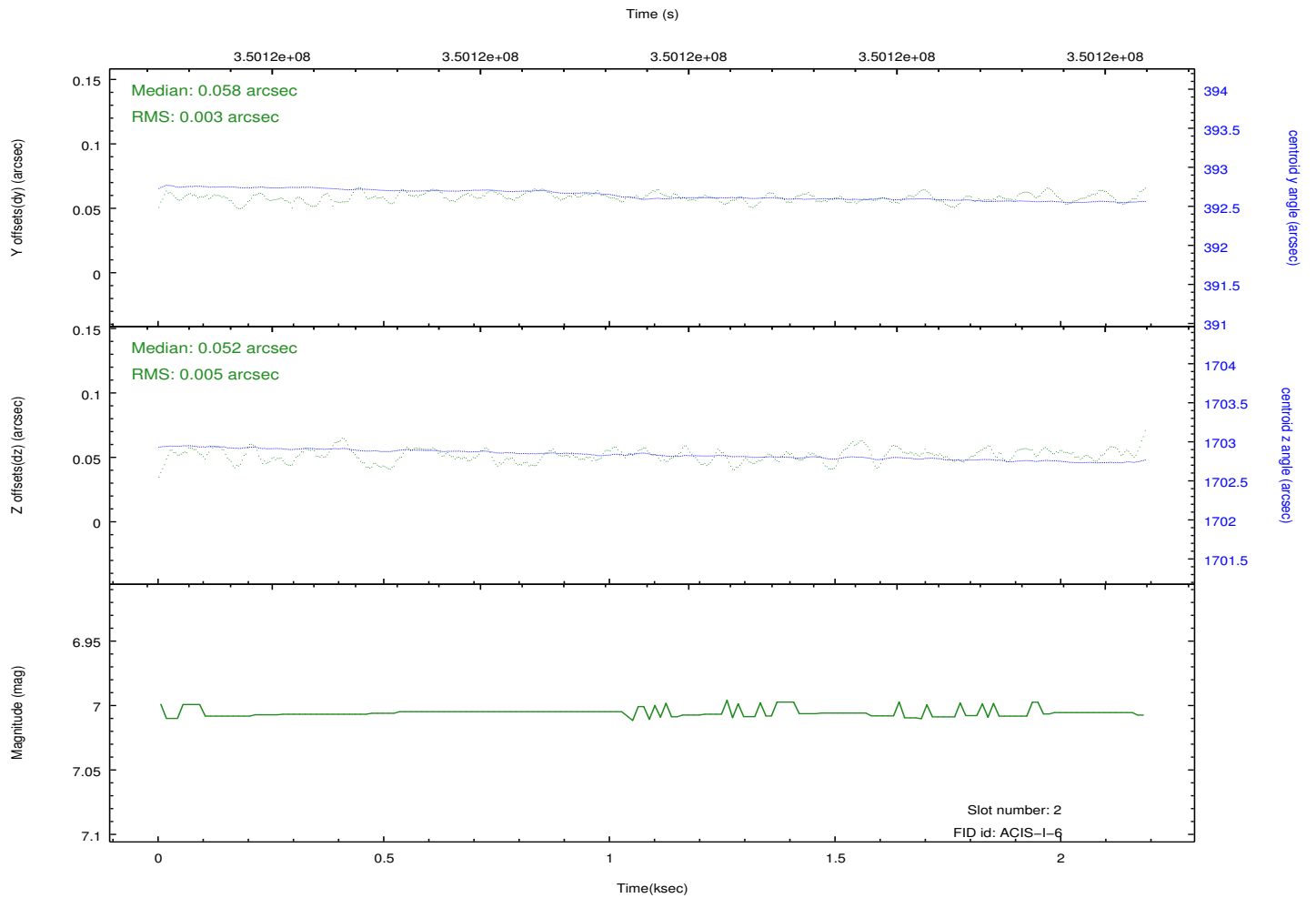
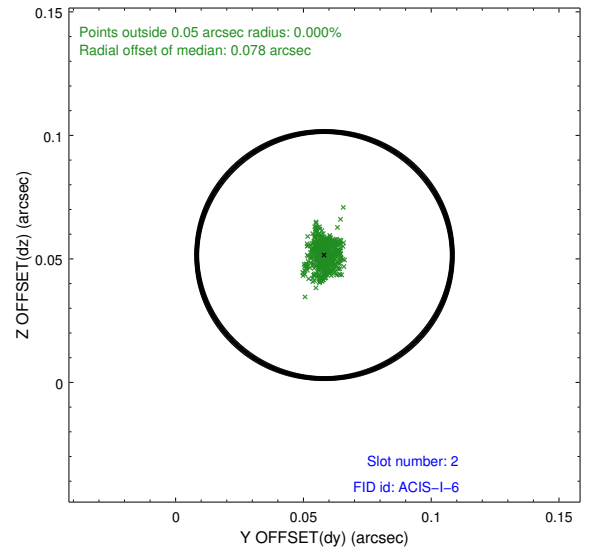
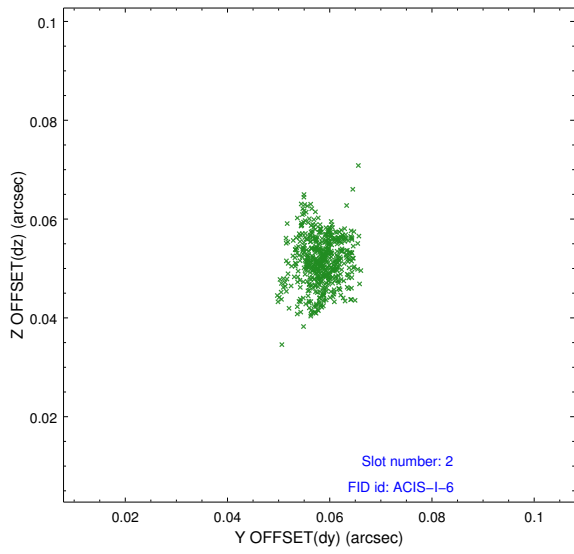
2.5.1 Slot 0



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)	2012.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.18860001

A.2 Comments

Joint Proposal:NOAO