

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 7167 - L2 Version 2
Chandra X-Ray Center

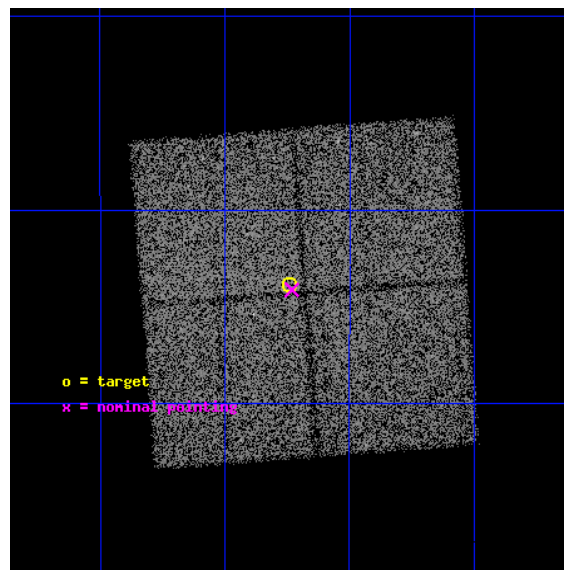
L2 Processing Date : Apr 12 2012

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

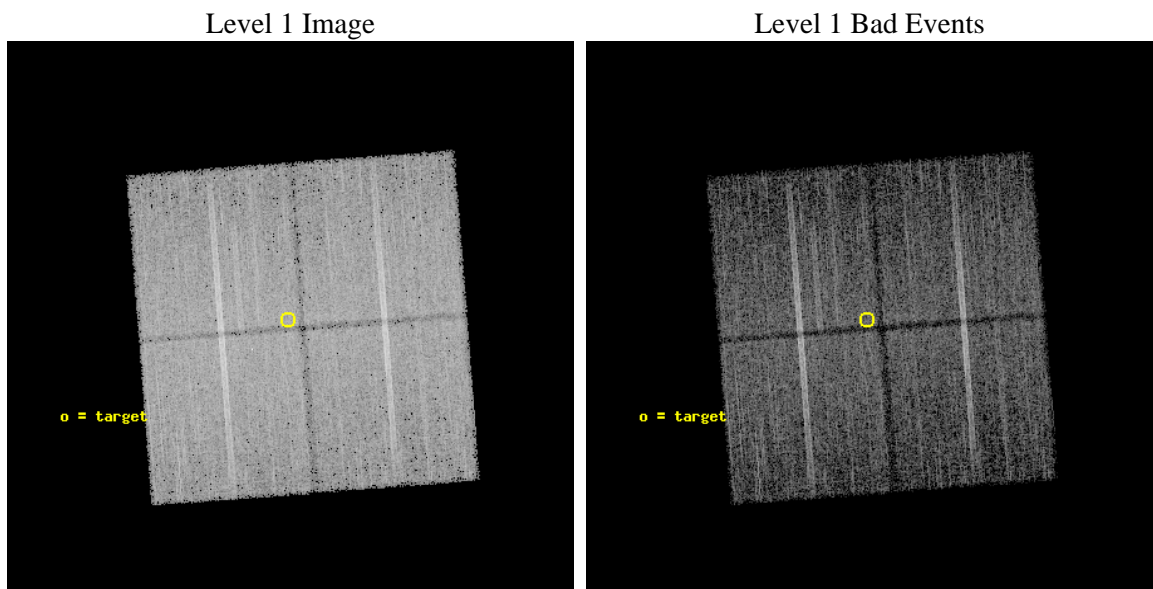
seq_num	600605	Sequence number
obs_id	7167	Observation id
title	Galactic Bulge Latitude Survey	Proposal title
observer	Professor Johnathan Grindlay	Principal investigator
object	GBW11	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.560417	Observer's specified target RA [deg]
dec_targ	-29.564722	Observer's specified target Dec [deg]
ra_nom	267.55792840106	Nominal RA [deg]
dec_nom	-29.568899388642	Nominal Dec [deg]
roll_nom	265.60045929987	Nominal Roll [deg]
revision	2	Processing version of data
ontime	13993.400107622	Sum of GTIs [s]
livetime	13810.566033425	Livetime [s]
ontime0	13993.400107622	Sum of GTIs [s]
ontime1	13987.118147075	Sum of GTIs [s]
ontime2	13993.400107622	Sum of GTIs [s]
ontime3	13993.400107622	Sum of GTIs [s]
l2events	70110	Number of level 2 events



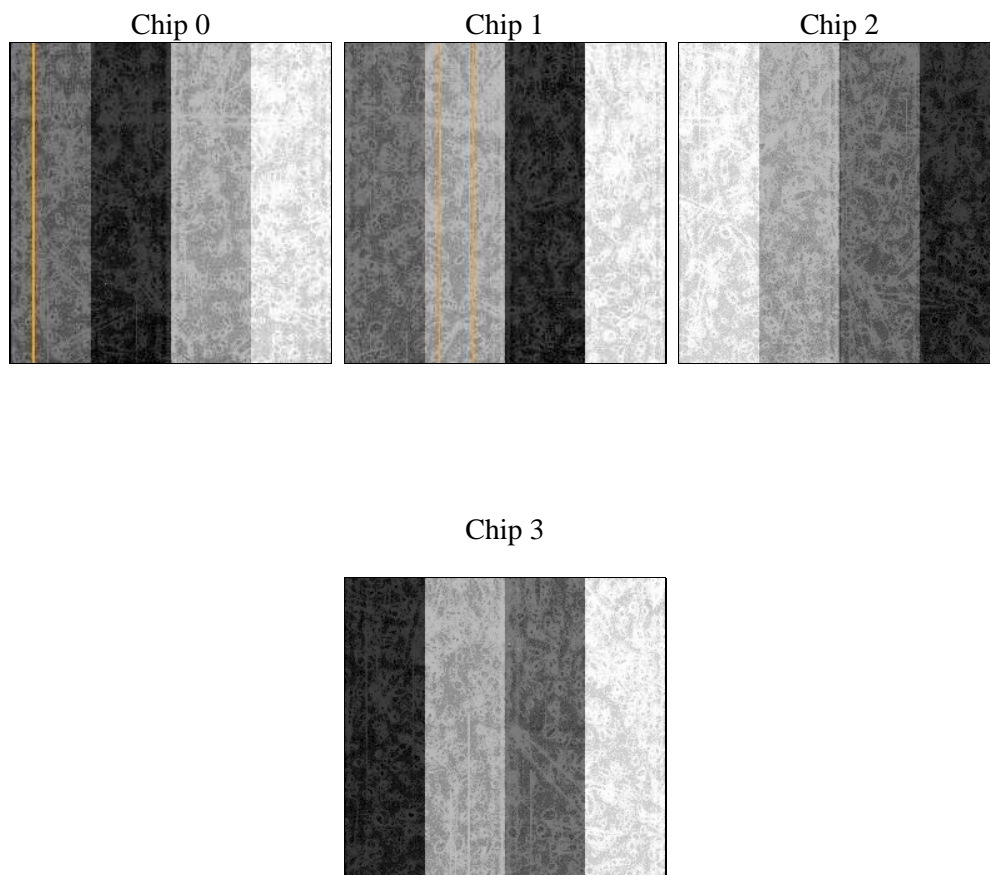
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	14200.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	13993.400107622	Sum of GTIs [s]
caldbver	4.4.9	 	ontime0	13993.400107622	Sum of GTIs [s]
date	2012-04-12T09:08:35	Date and time of file creation	ontime1	13987.118147075	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	13993.400107622	Sum of GTIs [s]
			ontime3	13993.400107622	Sum of GTIs [s]
			l1events	507497	Number of level 1 events

2.1.4 Events

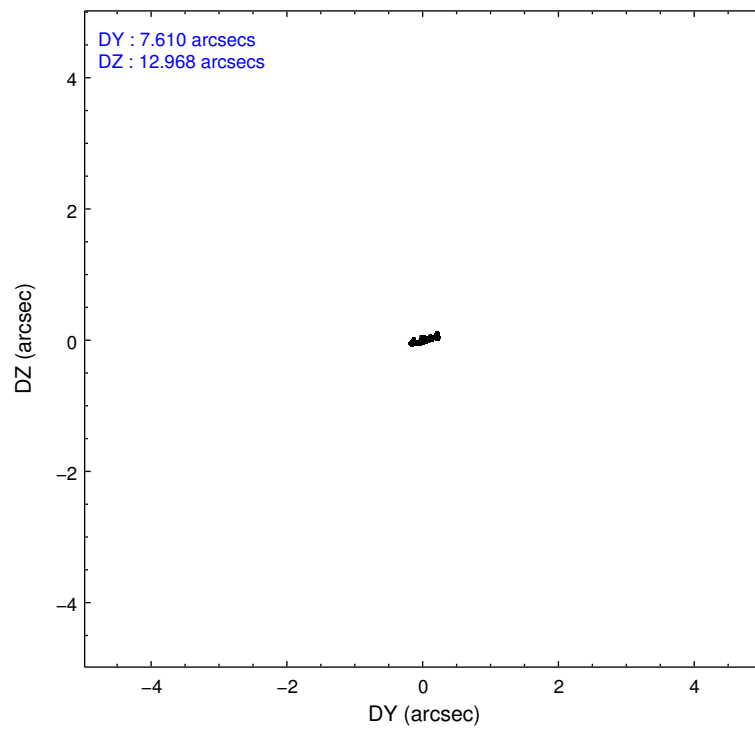
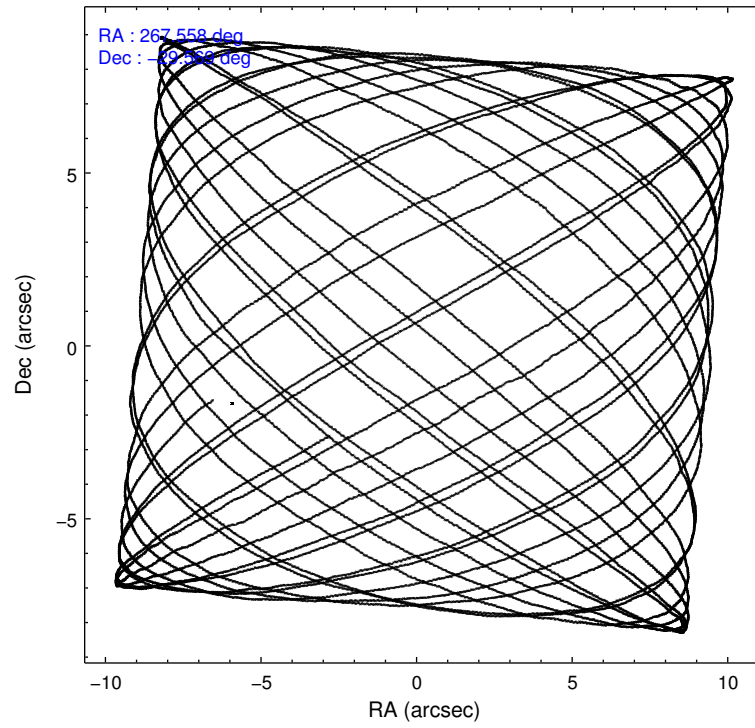
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	119133	124007	135306	129051
rejected events	99896	103703	114834	108962
rejected %	83%	83%	84%	84%

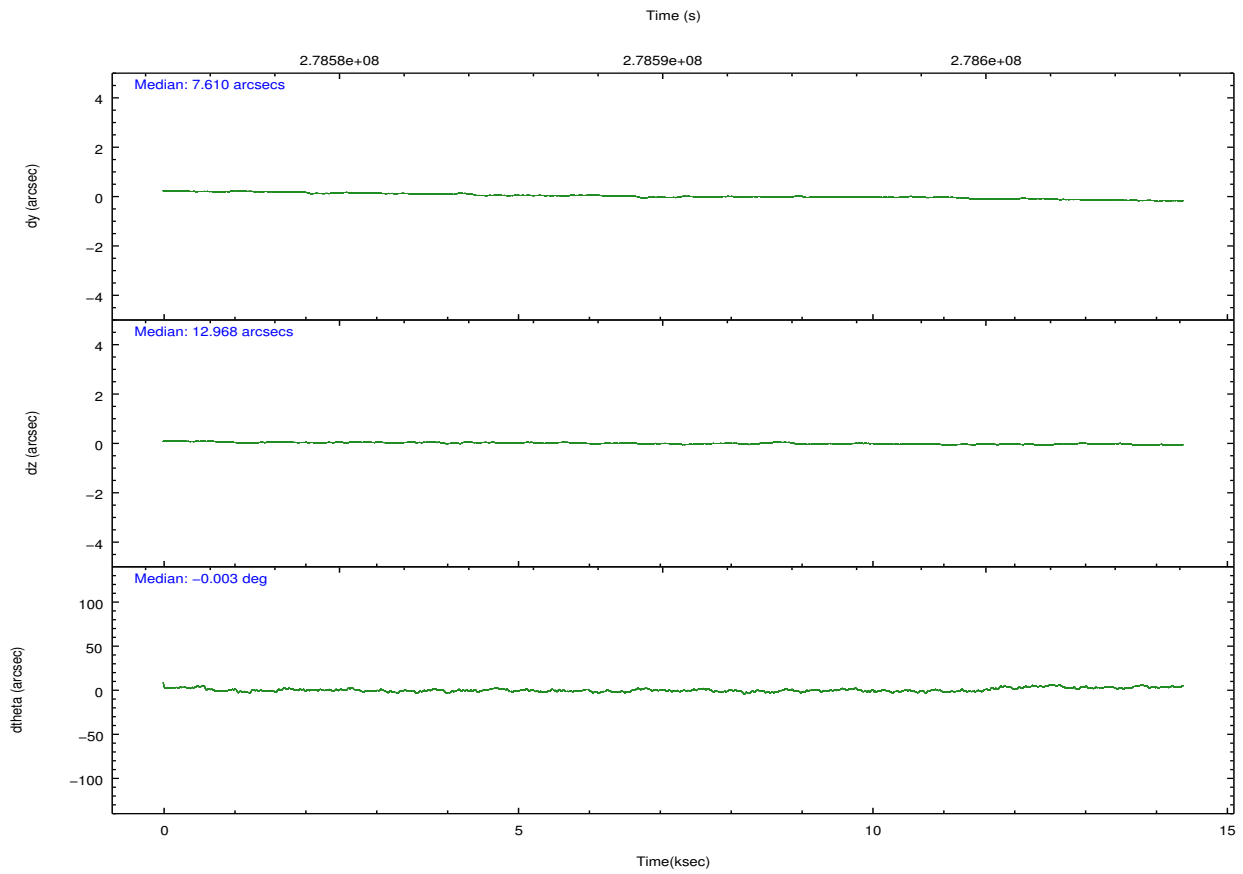
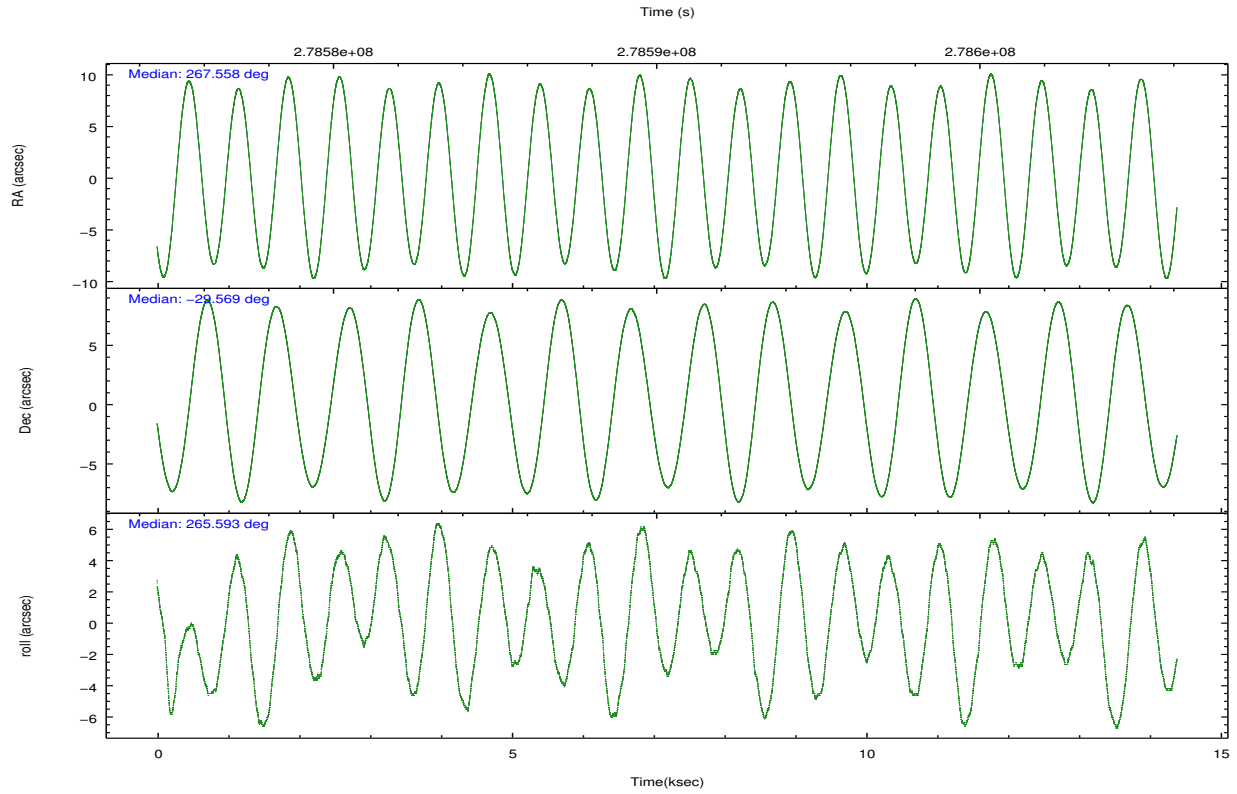
	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	9696	9534	11058	10642
	8%	7%	8%	8%
grade 1 events	92	83	114	110
	0%	0%	0%	0%
grade 2 events	3812	4103	3709	3520
	3%	3%	2%	2%
grade 3 events	1609	1671	1589	1603
	1%	1%	1%	1%
grade 4 events	1479	1753	1562	1566
	1%	1%	1%	1%
grade 5 events	5125	5365	4896	5803
	4%	4%	3%	4%
grade 6 events	2654	3248	2563	2766
	2%	2%	1%	2%
grade 7 events	94666	98250	109815	103041
	79%	79%	81%	79%

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	267.544259	267.5579284010649	Subarray requested	NONE	NONE
[deg] Pointing Dec	-29.544189	-29.568899388642	Alternating exposures requested	N	N
[deg] Pointing Roll	265.385031	265.6004592998741	[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)	278583150.184000	278582773.73667			
Observation start date	2006-10-30T08:11:25	2006-10-30T08:06:13			
[s] Observation end time (MET)	278597350.184000	278597484.02486			
Observation end date	2006-10-30T12:08:05	2006-10-30T12:11:24			
Read mode	TIMED	TIMED			

2.3 Aspect



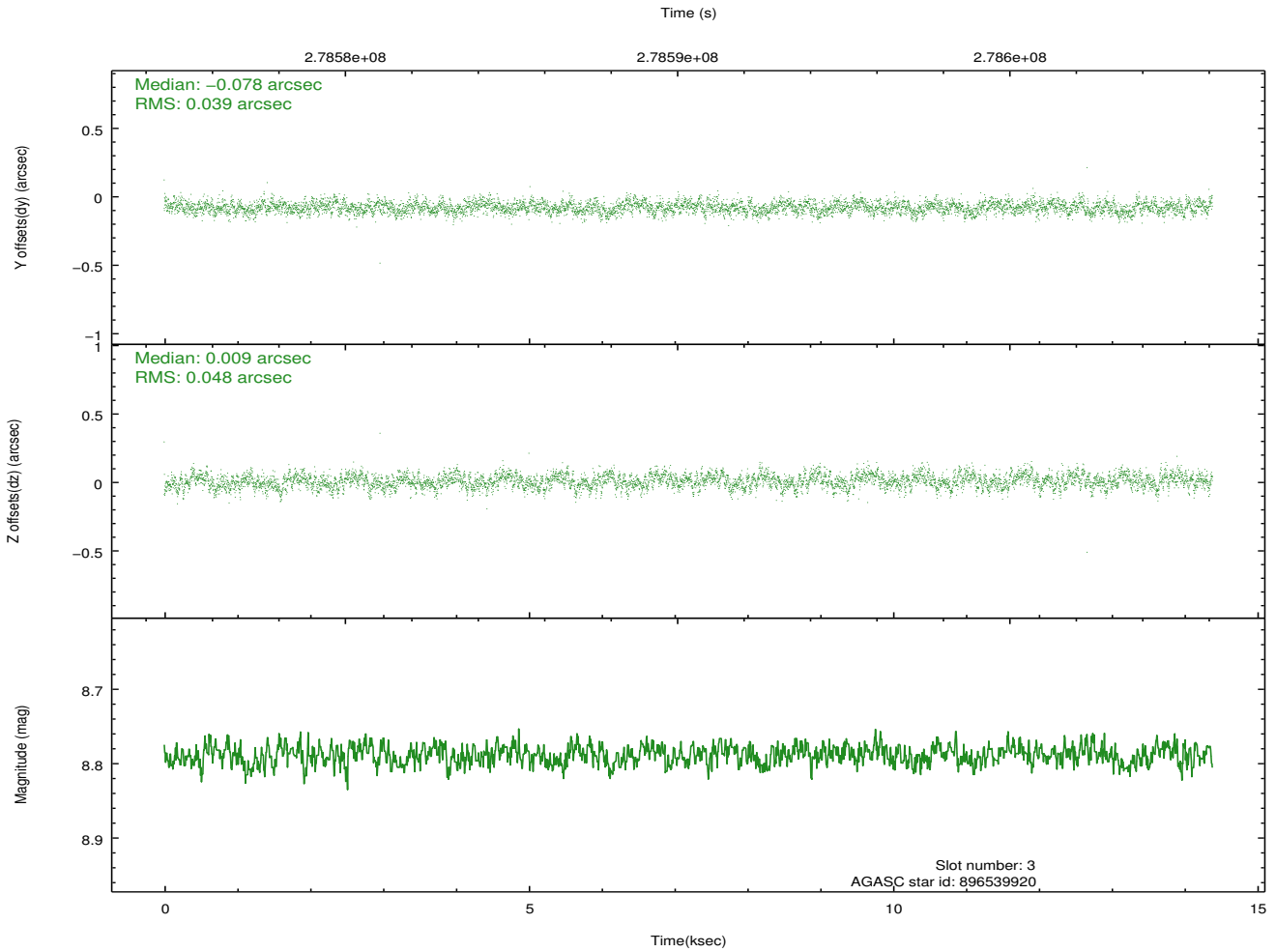
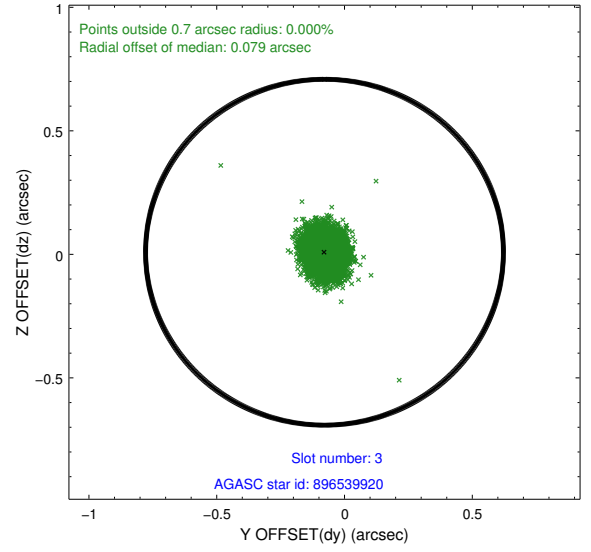
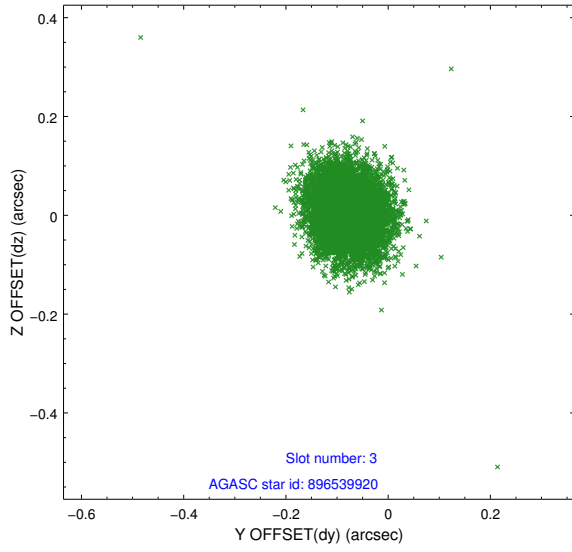


Slot Statistics

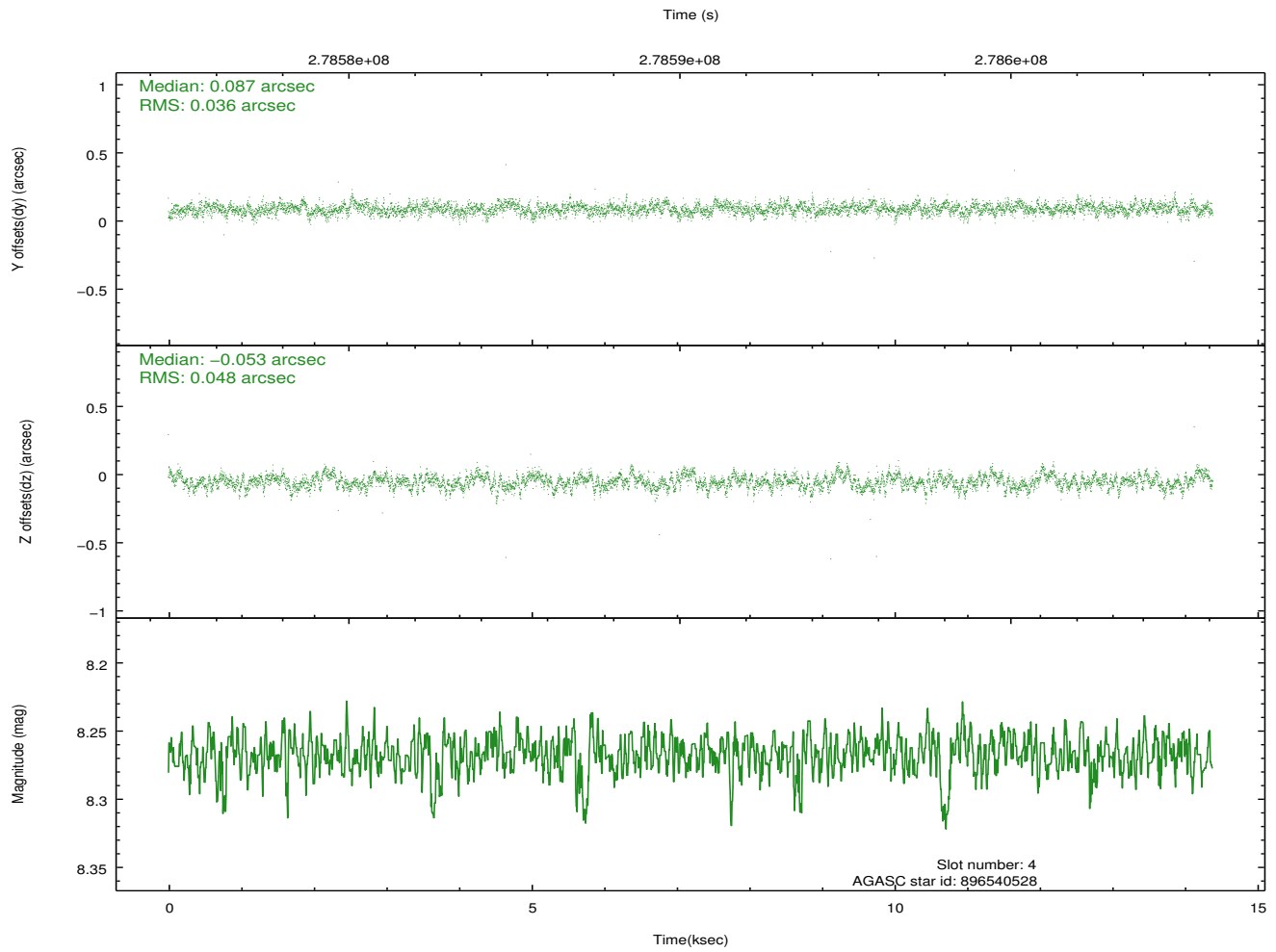
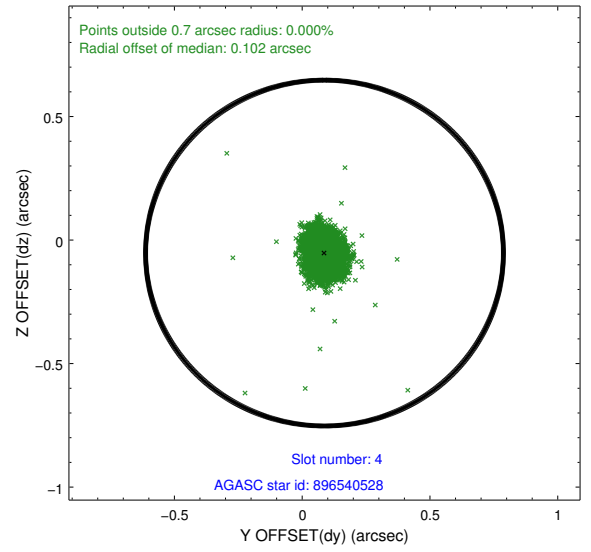
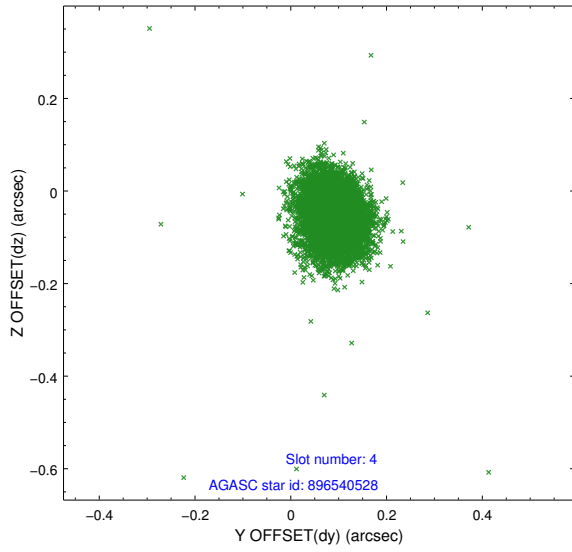
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.14	3505	-0.102	-0.115	0.022	0.039	0.000000	0.000000	-762.24	-843.01
1	FID	ACIS-I-4	7.17	3509	0.177	0.092	0.016	0.027	0.000000	0.000000	2151.94	1063.24
2	FID	ACIS-I-5	7.23	3510	-0.177	0.092	0.019	0.029	0.000000	0.000000	-1815.74	1061.42
3	GUIDE	896539920	8.79	7019	-0.078	0.009	0.065	0.106	266.848347	-29.638887	521.89	-2142.29
4	GUIDE	896540528	8.27	7017	0.087	-0.053	0.061	0.102	267.368305	-29.314773	-777.90	-617.01
5	GUIDE	898248800	8.20	7017	-0.082	-0.022	0.061	0.100	267.977609	-29.931731	1284.14	1460.24
6	GUIDE	898250872	7.06	7018	-0.211	-0.088	0.043	0.069	268.026303	-29.632040	196.90	1529.45
7	GUIDE	967053960	9.25	7006	0.287	0.154	0.088	0.139	268.185736	-30.091336	1808.33	2151.33

2.4 Star Slots

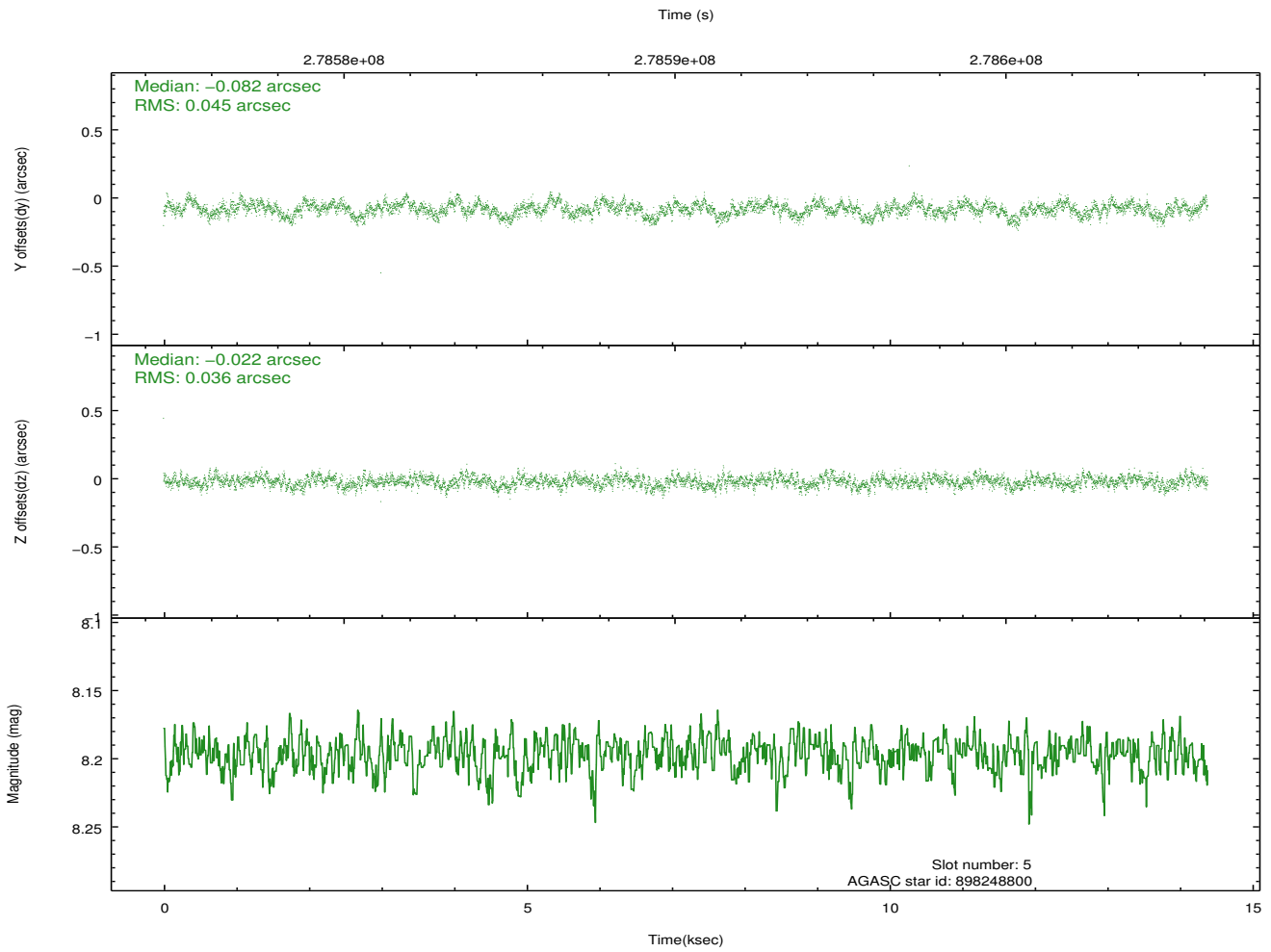
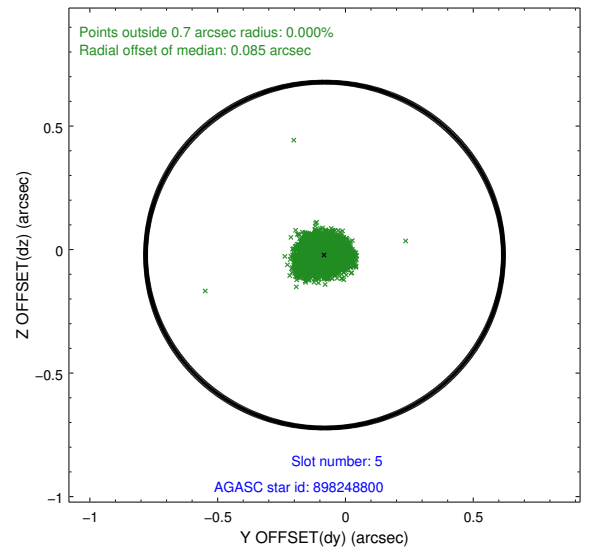
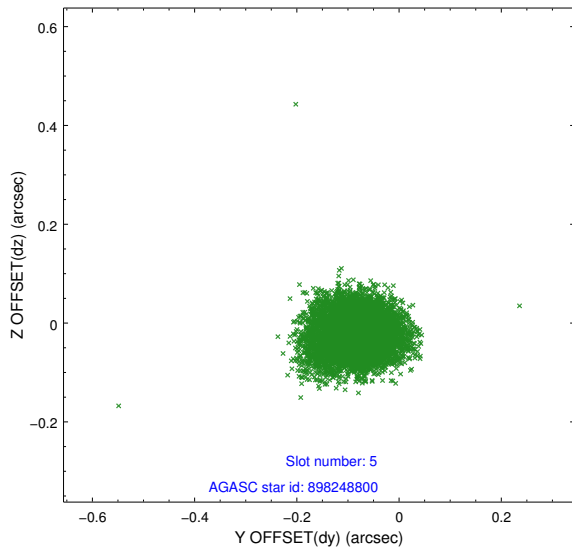
2.4.1 Slot 3



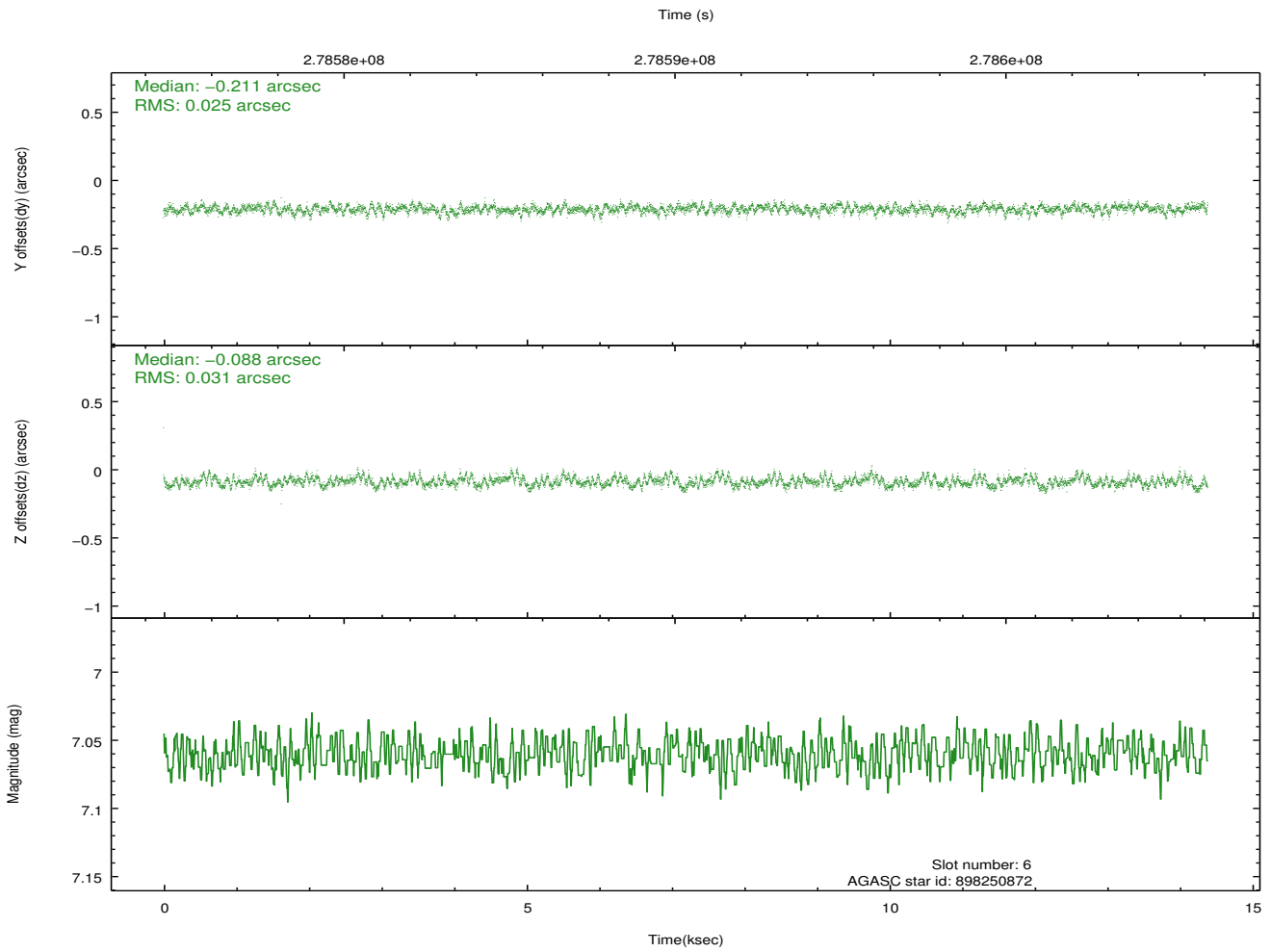
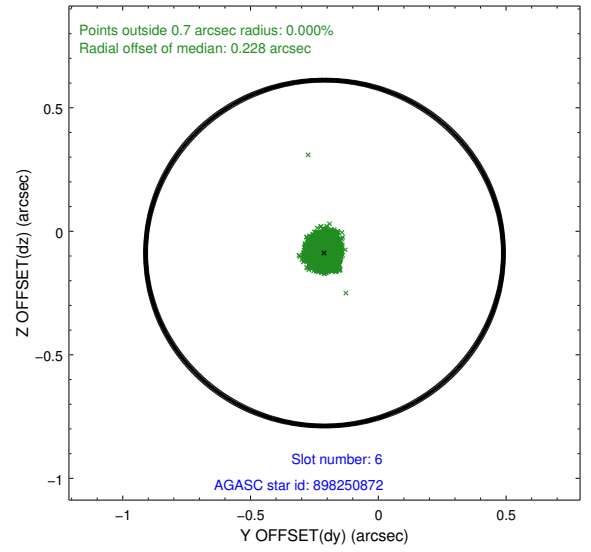
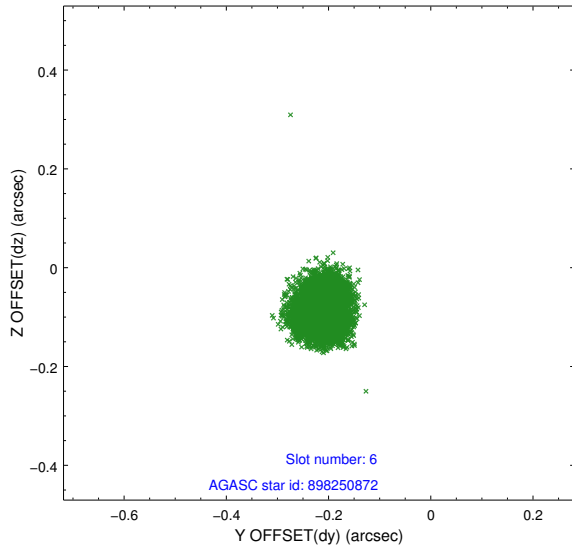
2.4.2 Slot 4



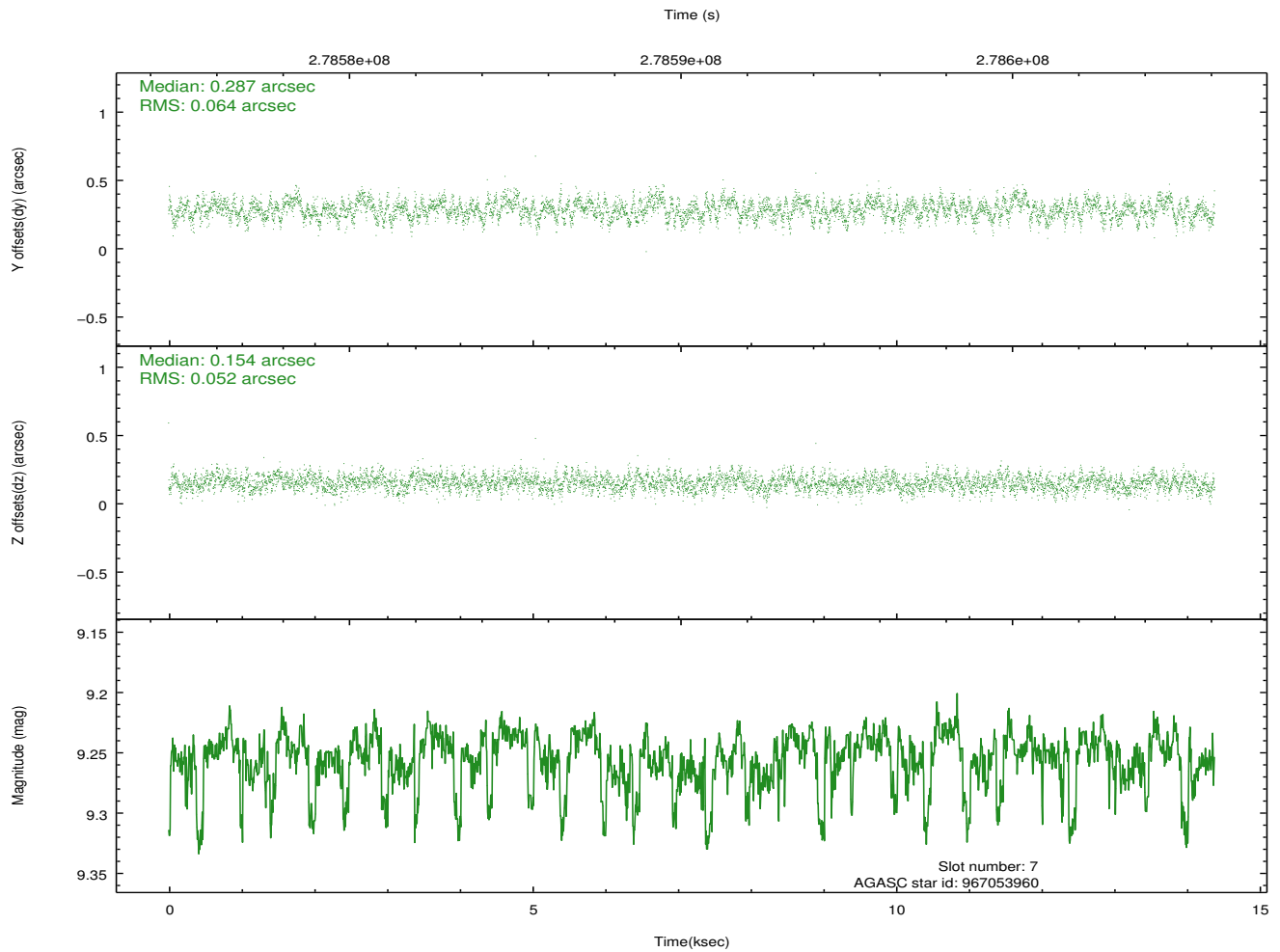
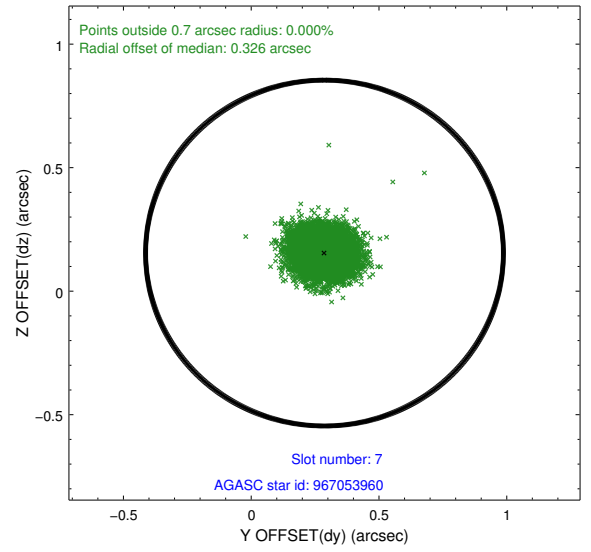
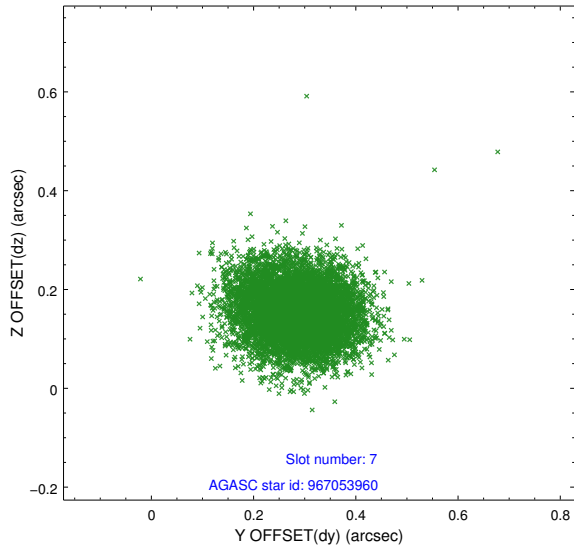
2.4.3 Slot 5



2.4.4 Slot 6

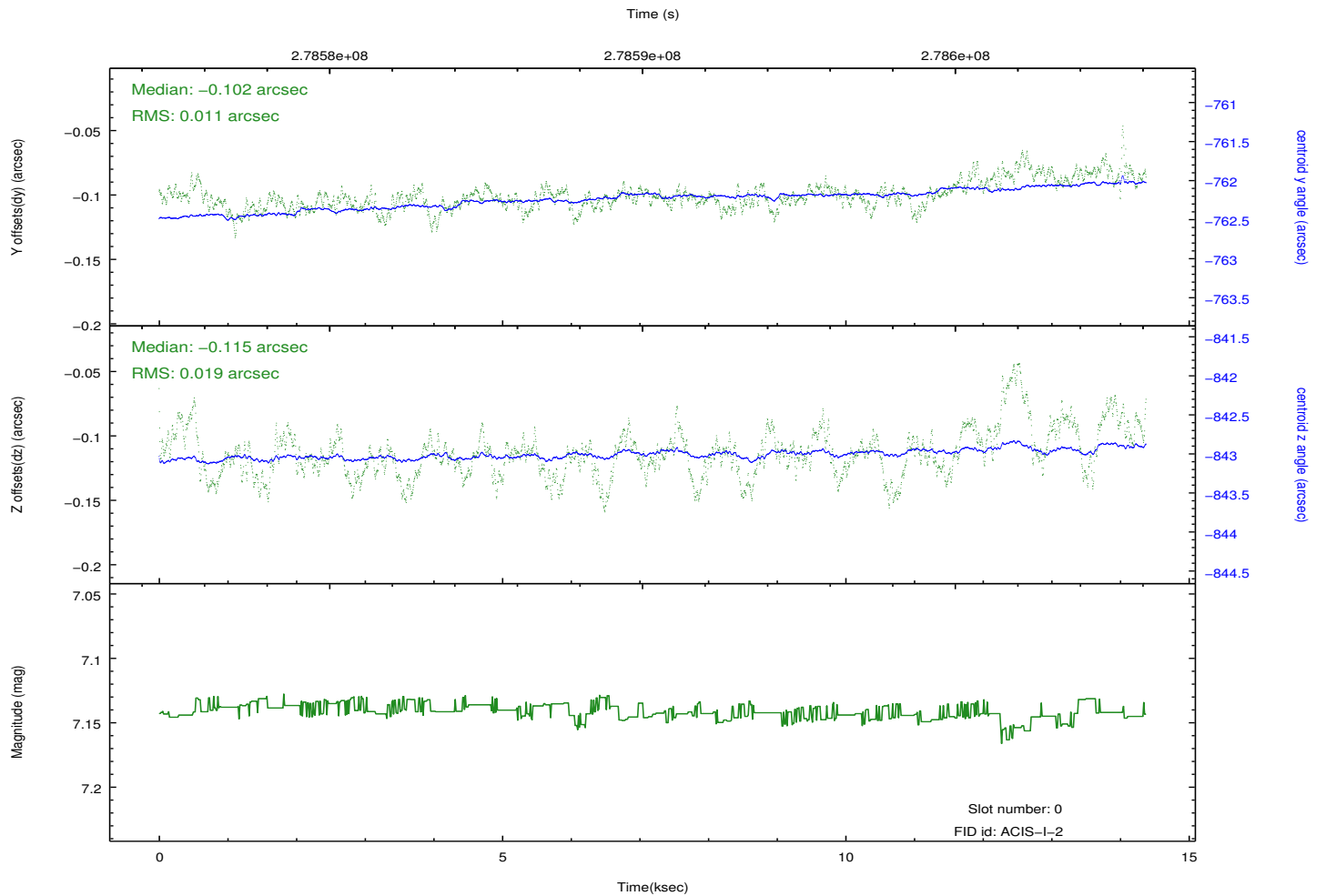
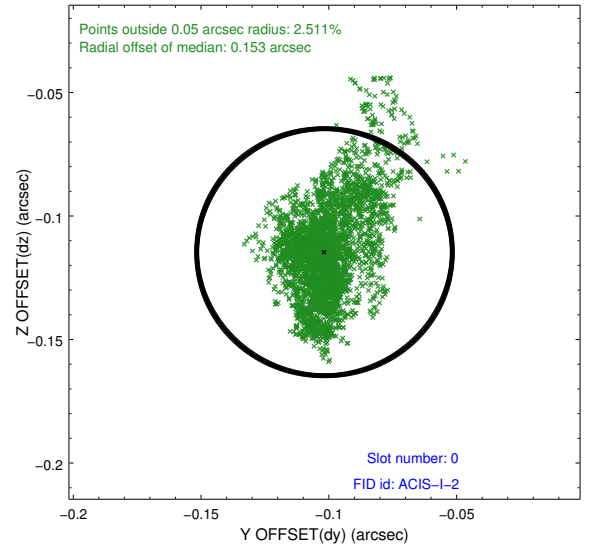
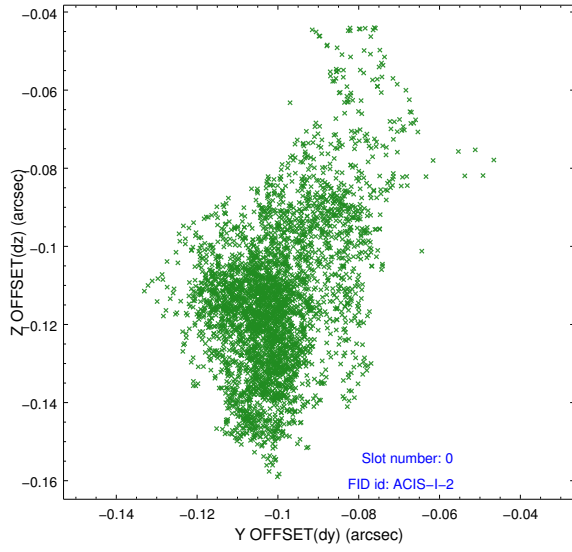


2.4.5 Slot 7

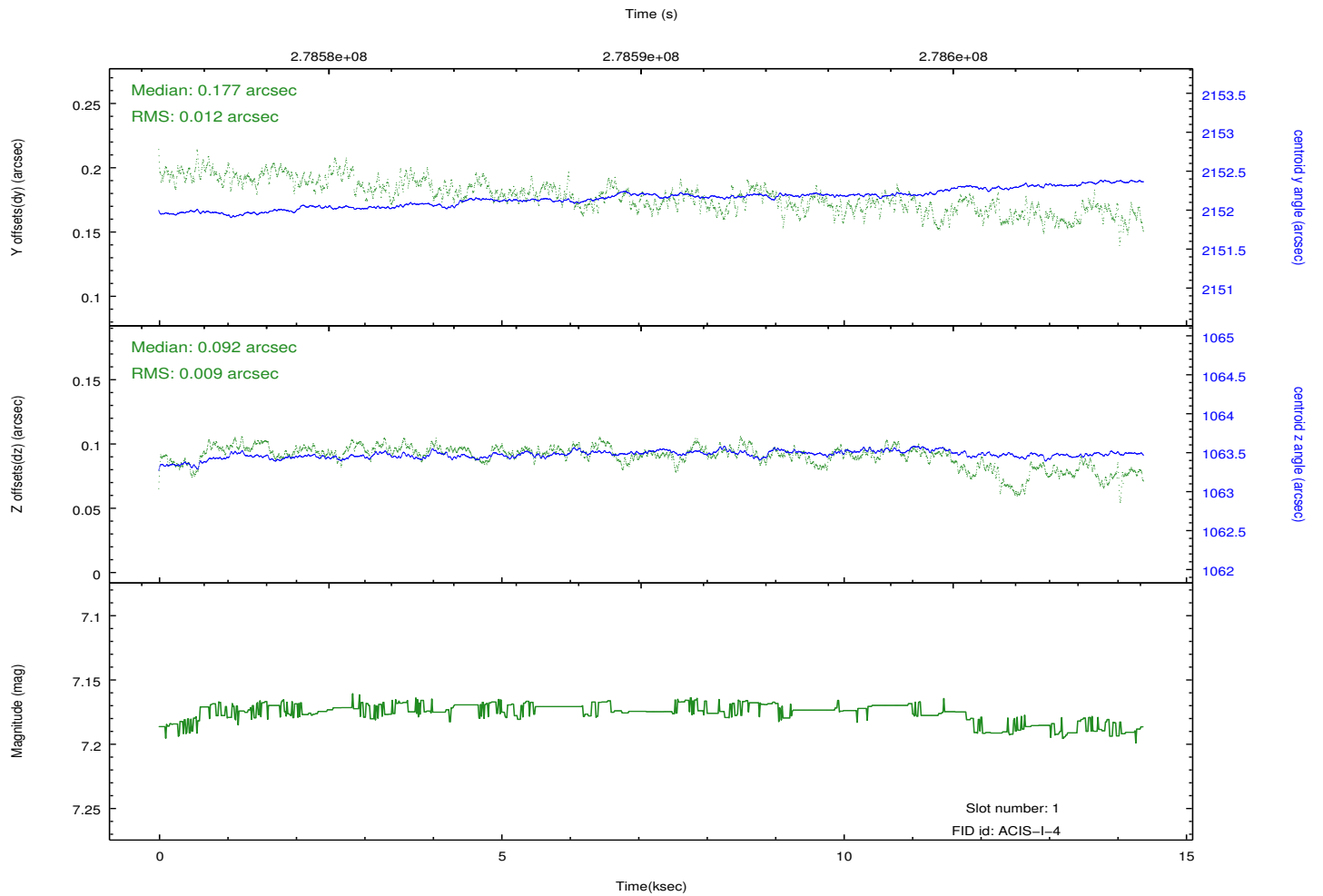
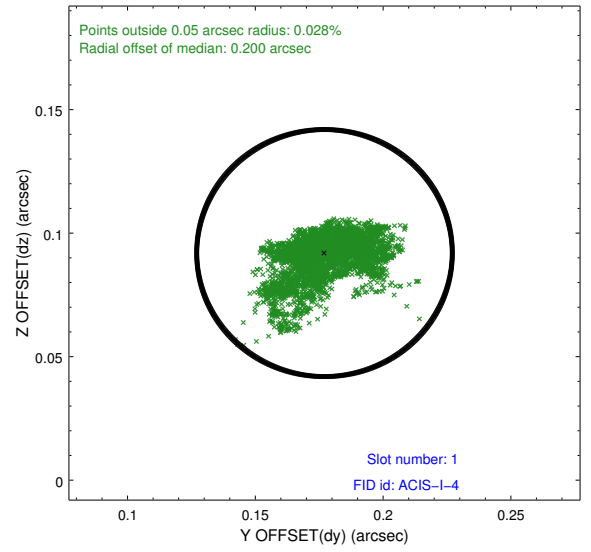
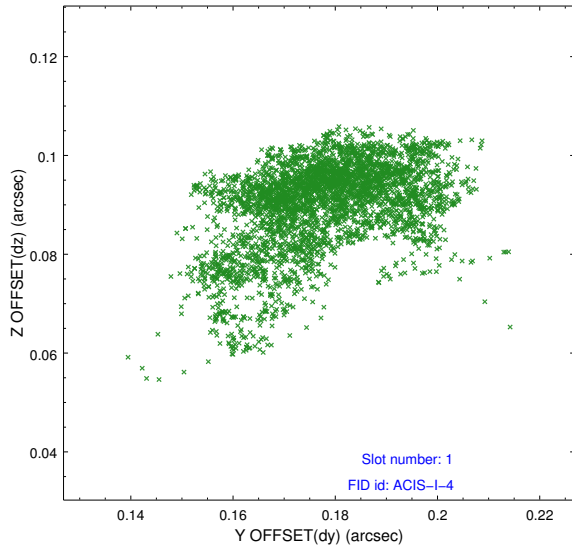


2.5 FID Slots

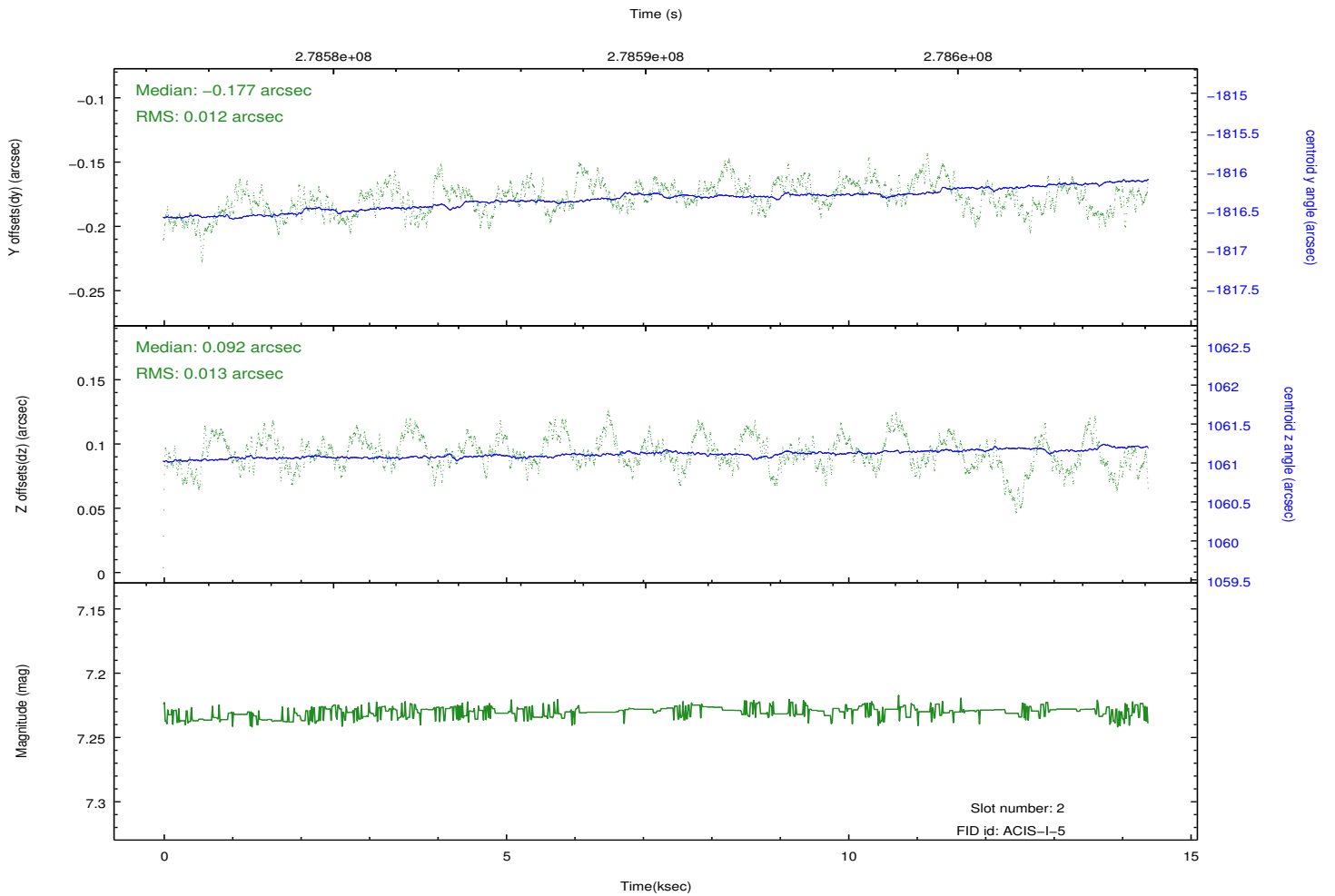
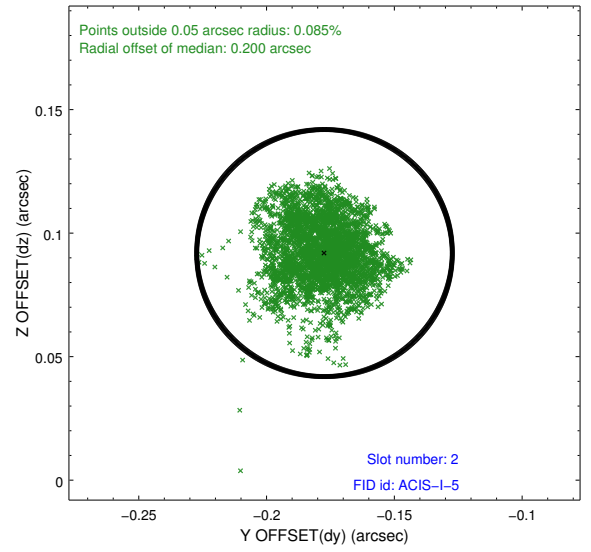
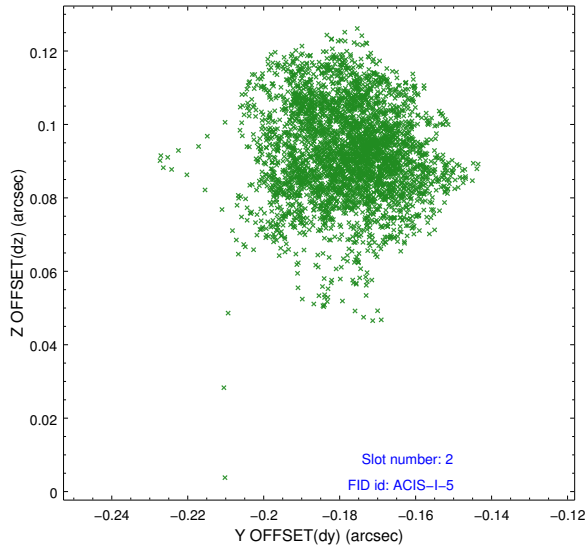
2.5.1 Slot 0



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)	2012.04.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.9934001

A.2 Comments

Joint proposal with NOAO.