

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6952 - L2 Version 2
Chandra X-Ray Center

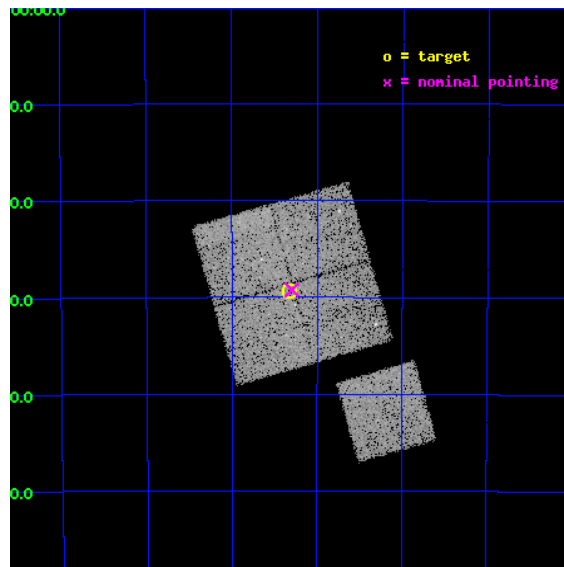
L2 Processing Date : Apr 2 2012

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

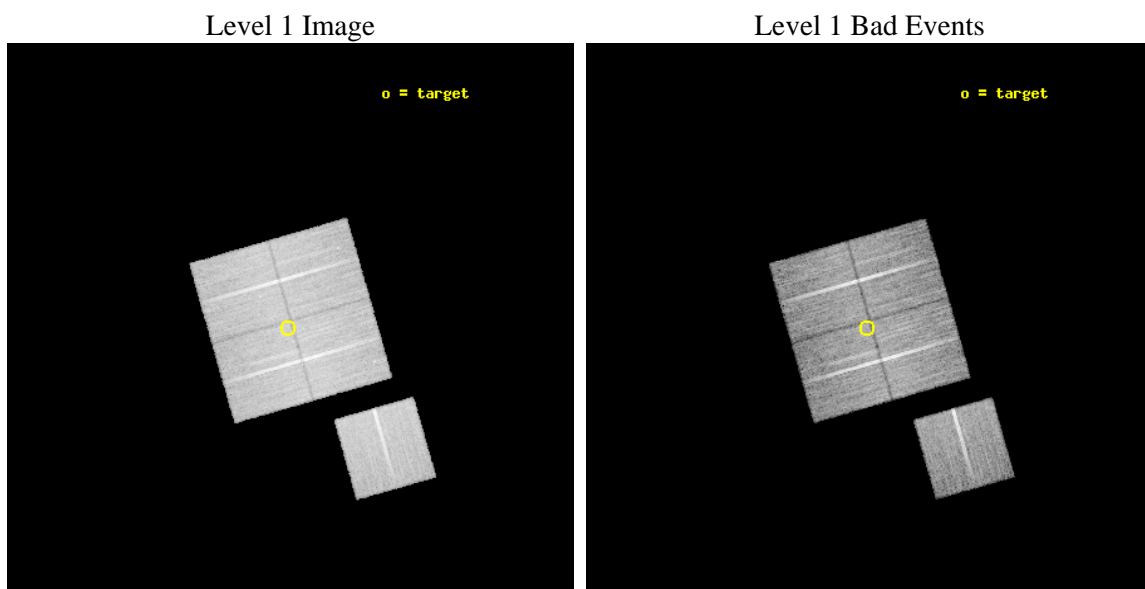
seq_num	800585	Sequence number
obs_id	6952	Observation id
title	Chandra Study of the Structure of the Southern Part of the Horologium Supercluster	Proposal title
observer	Dr. Hans Boehringer	Principal investigator
object	A3125	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	51.83	Observer's specified target RA [deg]
dec_targ	-53.49	Observer's specified target Dec [deg]
ra_nom	51.82394458183	Nominal RA [deg]
dec_nom	-53.487084551447	Nominal Dec [deg]
roll_nom	163.9646890282	Nominal Roll [deg]
revision	2	Processing version of data
ontime	17149.199966997	Sum of GTIs [s]
livetime	16925.133044371	Livetime [s]
ontime0	17146.059096336	Sum of GTIs [s]
ontime1	17142.918026477	Sum of GTIs [s]
ontime2	17149.199966997	Sum of GTIs [s]
ontime3	17149.199966997	Sum of GTIs [s]
ontime6	17146.058996767	Sum of GTIs [s]
l2events	55579	Number of level 2 events



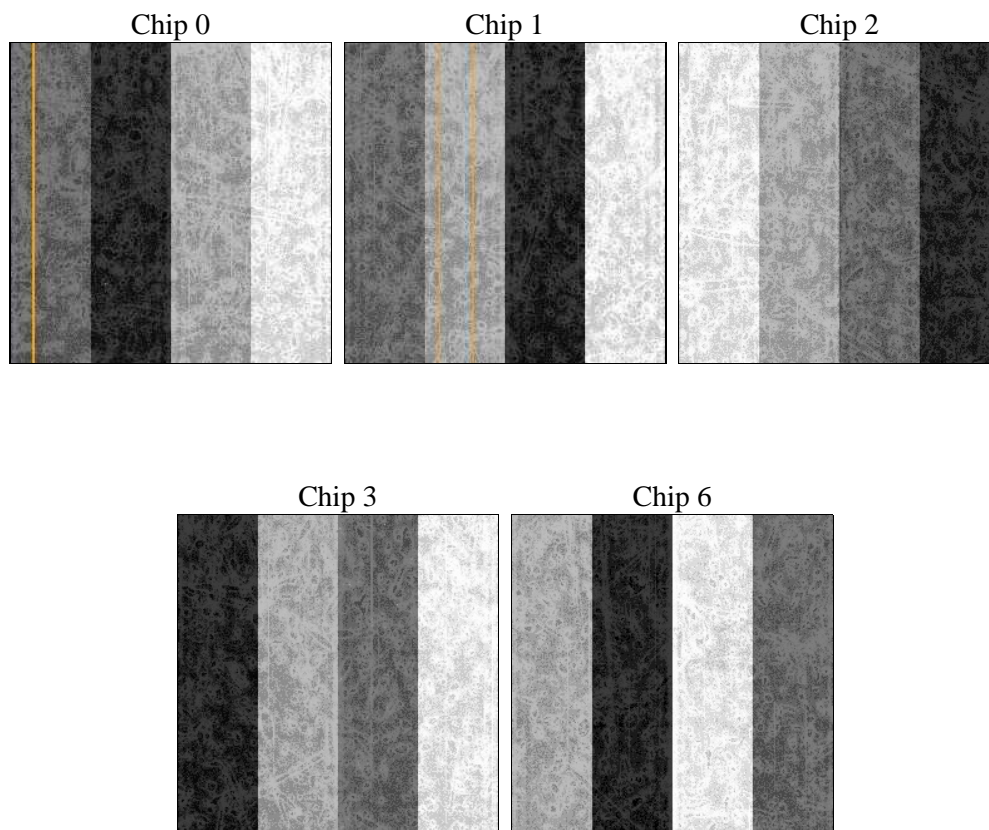
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	17000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	17149.199966997	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	17146.059096336	Sum of GTIs [s]
date	2012-04-02T19:41:12	Date and time of file creation	ontime1	17142.918026477	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	17149.199966997	Sum of GTIs [s]
			ontime3	17149.199966997	Sum of GTIs [s]
			ontime6	17146.058996767	Sum of GTIs [s]
			l1events	658055	Number of level 1 events

2.1.4 Events

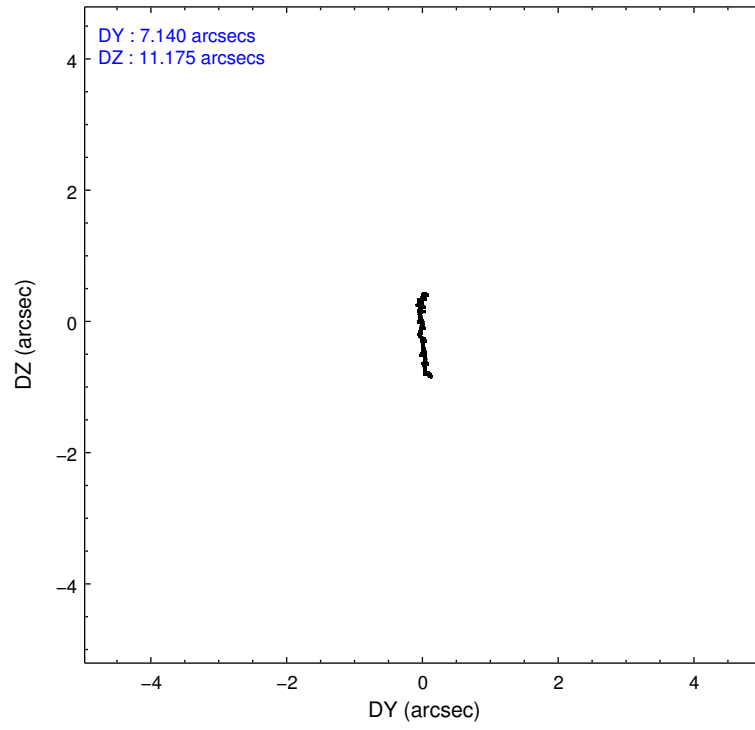
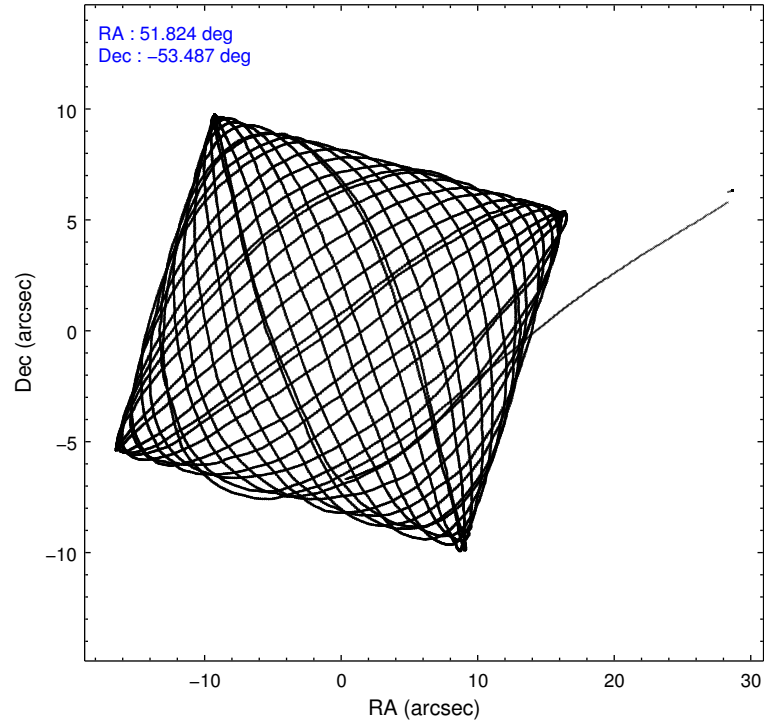
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	126273	129137	142740	130575	129330
rejected events	112987	113575	129732	118083	116670
rejected %	89%	87%	90%	90%	90%

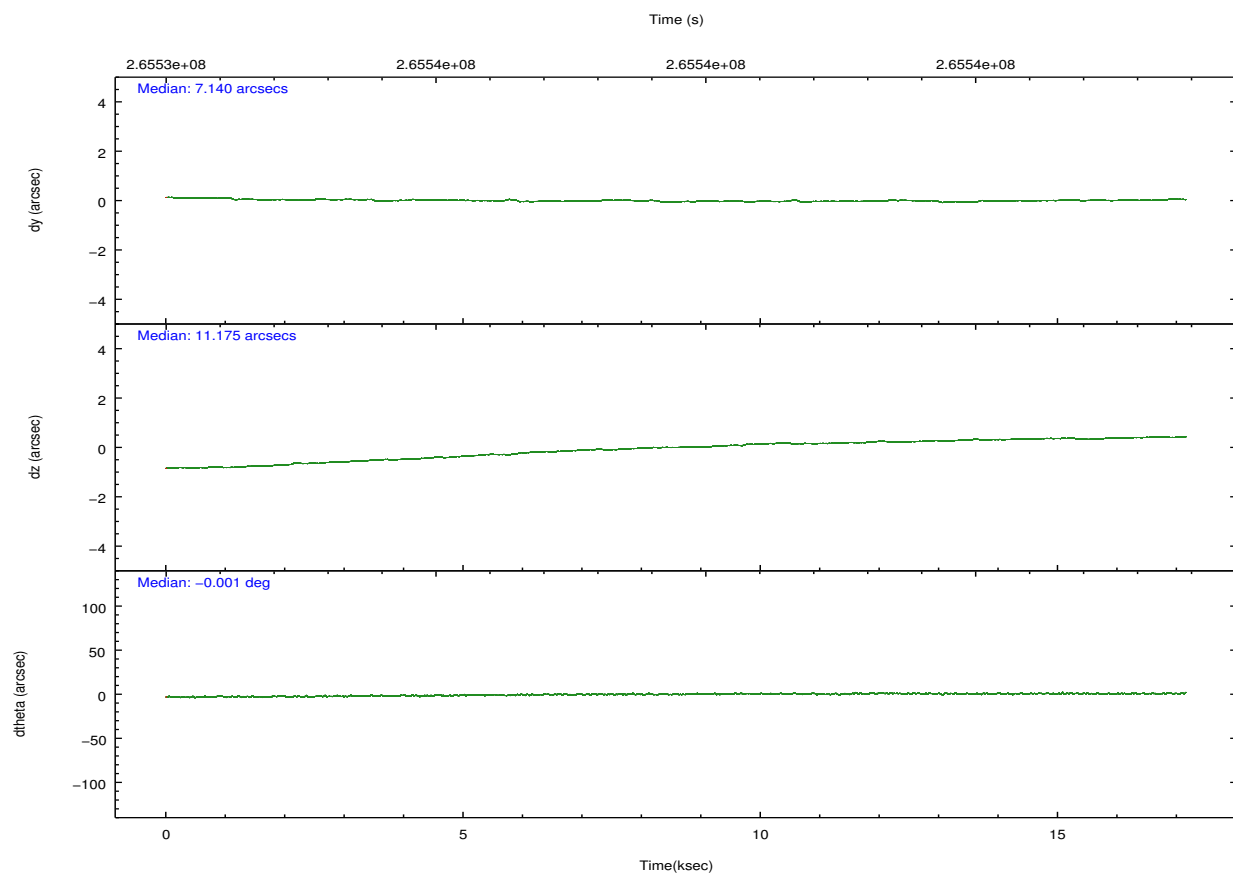
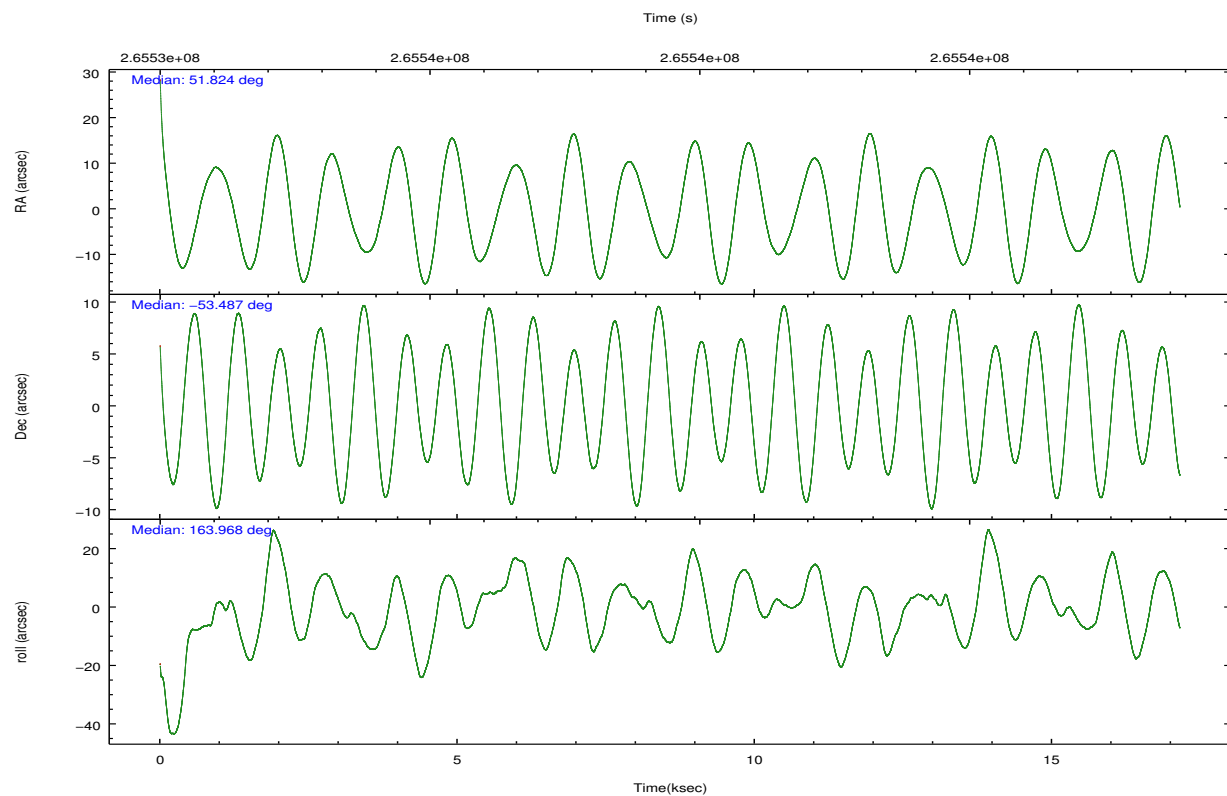
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	5039	6326	4895	4713	4453
	3%	4%	3%	3%	3%
grade 1 events	80	80	80	80	63
	0%	0%	0%	0%	0%
grade 2 events	3066	3265	3124	2625	2703
	2%	2%	2%	2%	2%
grade 3 events	1496	1572	1379	1416	1491
	1%	1%	0%	1%	1%
grade 4 events	1395	1664	1356	1414	1401
	1%	1%	0%	1%	1%
grade 5 events	4353	4875	4180	5176	5133
	3%	3%	2%	3%	3%
grade 6 events	2451	2884	2407	2498	2770
	1%	2%	1%	1%	2%
grade 7 events	108393	108471	125319	112653	111316
	85%	83%	87%	86%	86%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	51.868559	51.82394458182994	Subarray requested	NONE	NONE
[deg] Pointing Dec	-53.480362	-53.48708455144704	Alternating exposures requested	N	N
[deg] Pointing Roll	163.791865	163.9646890281961	[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)	265531025.184000	265529945.98639			
Observation start date	2006-06-01T06:36:00	2006-06-01T06:19:05			
[s] Observation end time (MET)	265548025.184000	265548569.21226			
Observation end date	2006-06-01T11:19:20	2006-06-01T11:29:29			
Read mode	TIMED	TIMED			

2.3 Aspect



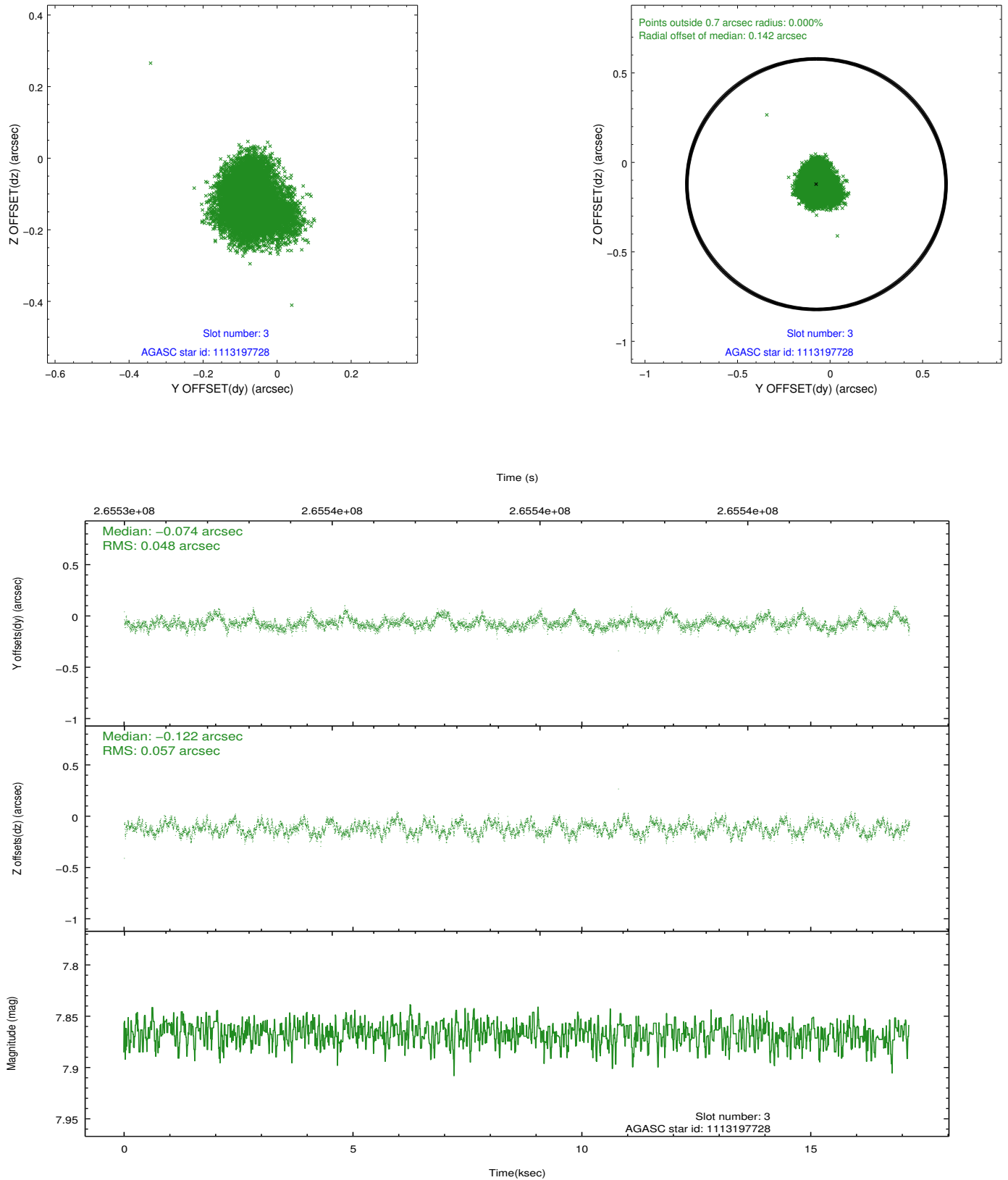


Slot Statistics

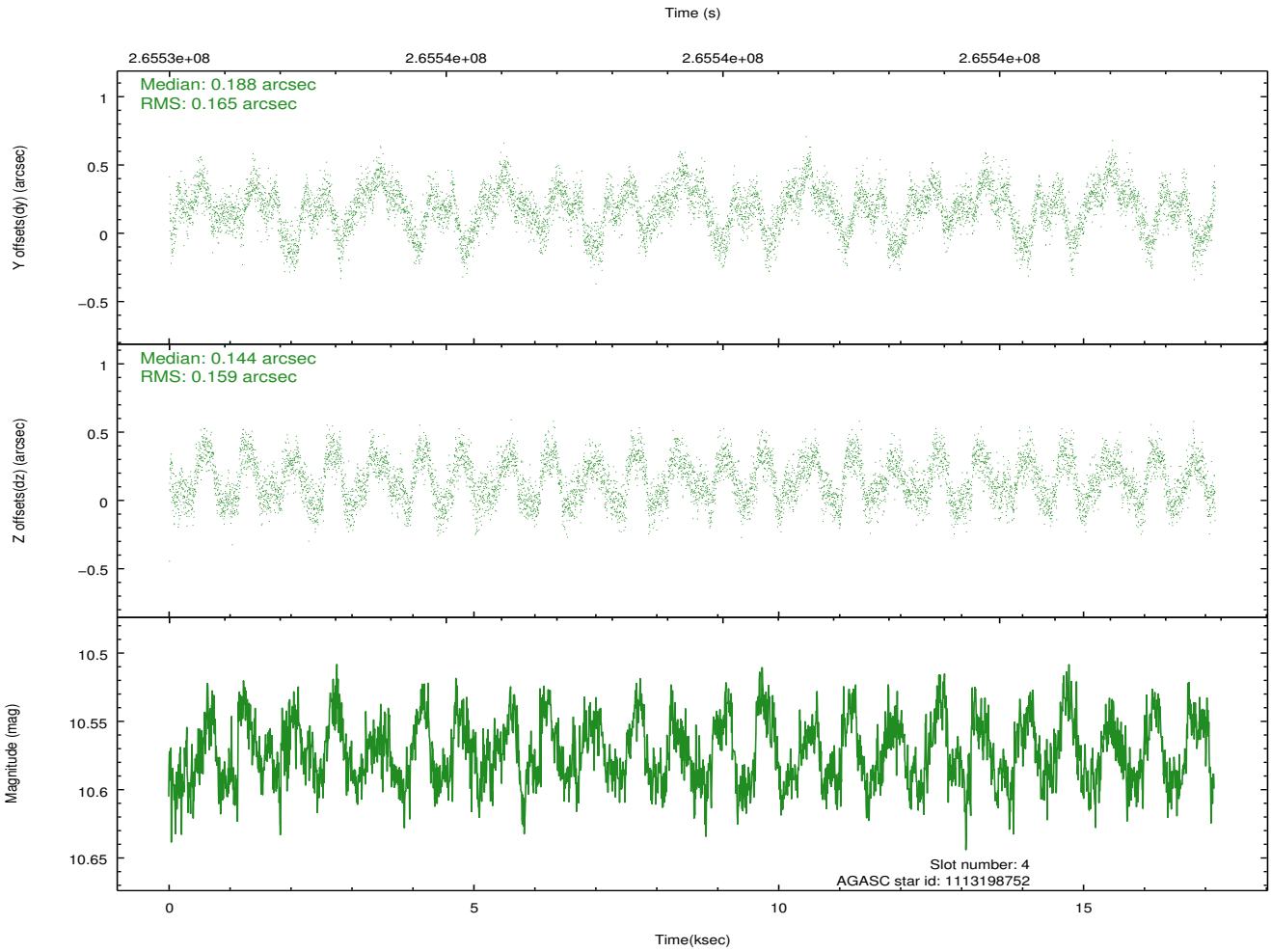
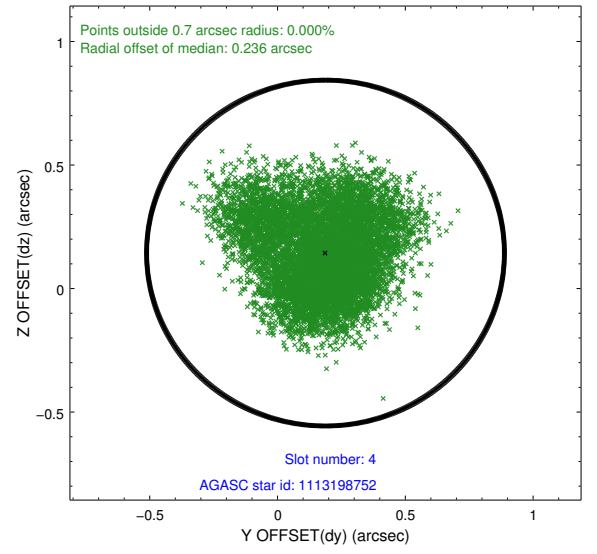
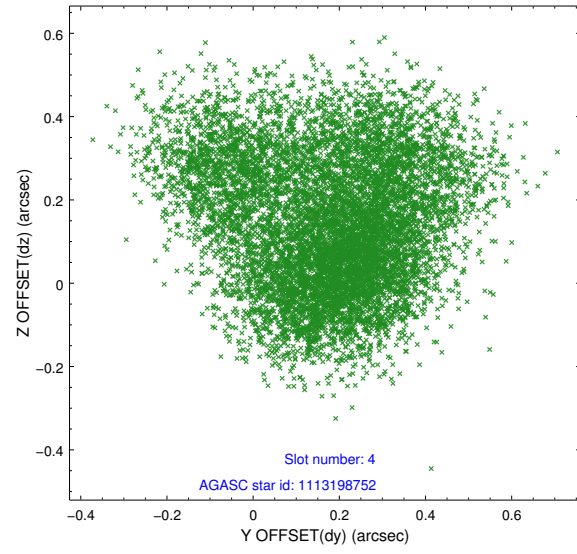
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	4185	0.044	-0.046	0.012	0.030	0.000000	0.000000	932.56	-834.64
1	FID	ACIS-I-5	7.23	4185	-0.167	0.053	0.011	0.020	0.000000	0.000000	-1815.59	1062.86
2	FID	ACIS-I-6	7.25	4185	0.033	0.063	0.012	0.023	0.000000	0.000000	397.87	1707.62
3	GUIDE	1113197728	7.87	8368	-0.074	-0.122	0.081	0.125	51.747237	-53.564040	165.05	362.11
4	GUIDE	1113198752	10.57	8338	0.188	0.144	0.249	0.379	52.781482	-53.500387	-1900.51	-463.92
5	GUIDE	1113198792	9.17	8360	-0.091	0.105	0.084	0.132	50.774375	-53.425115	2304.16	481.74
6	GUIDE	1113199680	9.55	8358	0.124	-0.106	0.129	0.200	51.911788	-53.818360	-427.25	1143.15
7	GUIDE	1113195656	9.75	8359	-0.135	-0.028	0.133	0.215	50.730457	-53.431690	2387.37	532.12

2.4 Star Slots

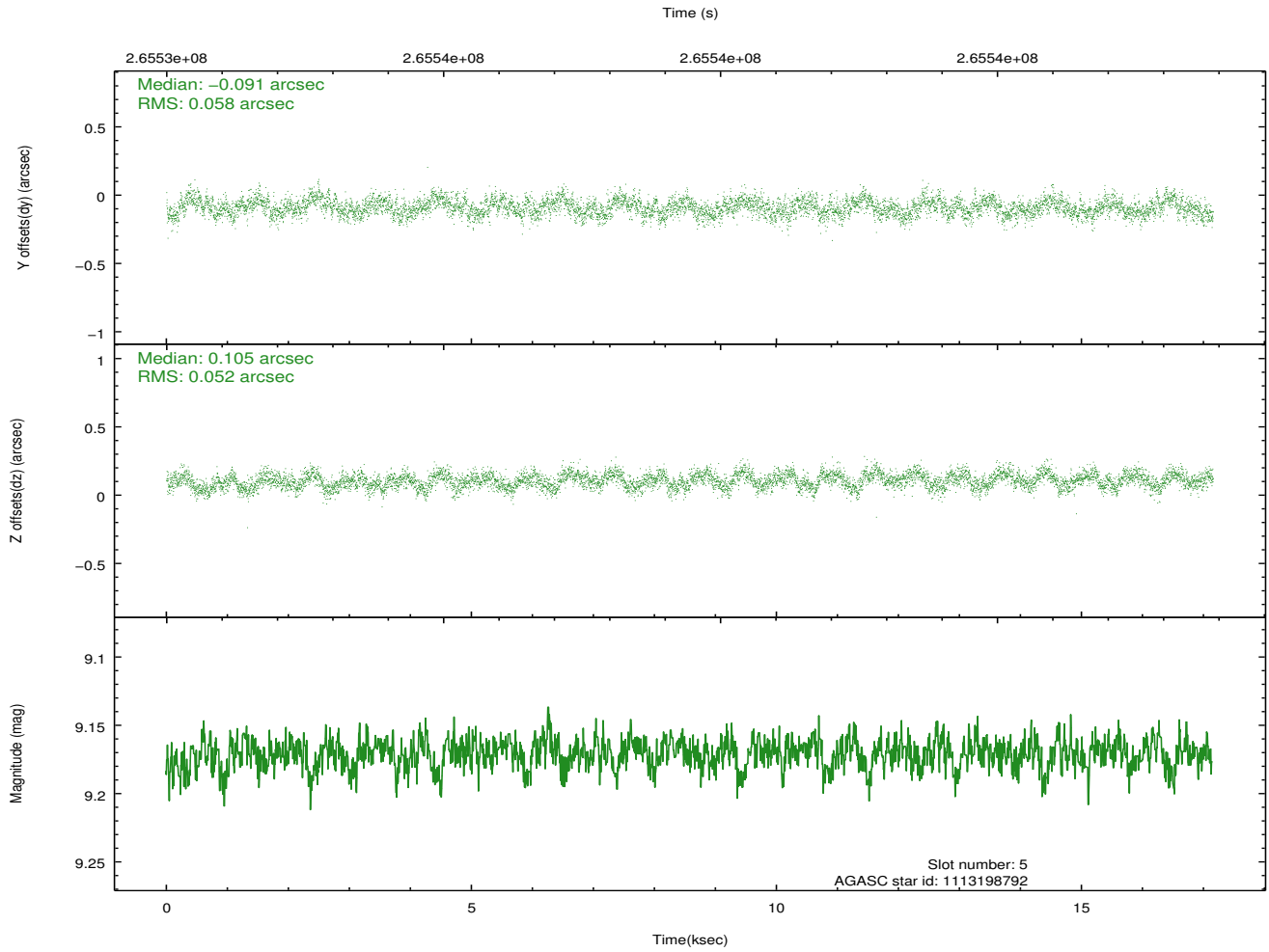
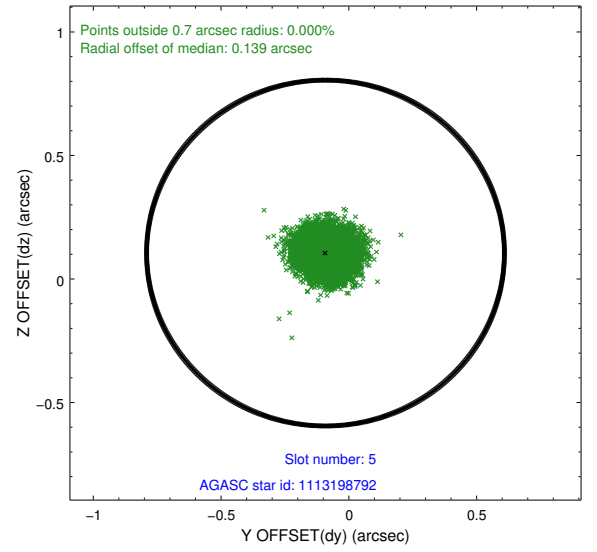
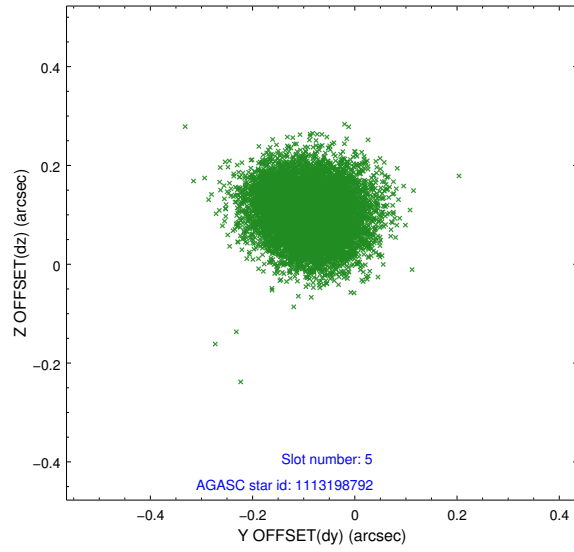
2.4.1 Slot 3



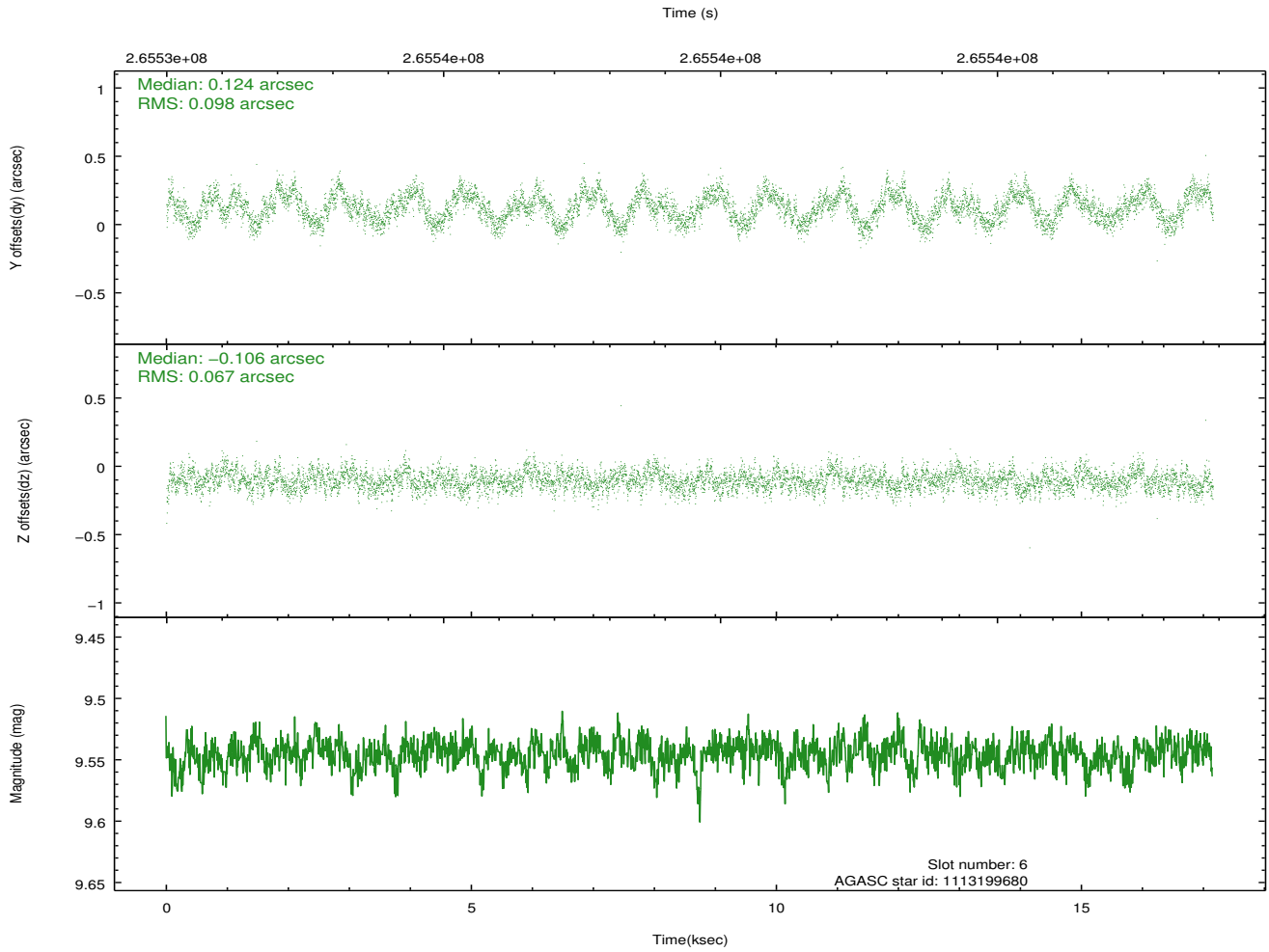
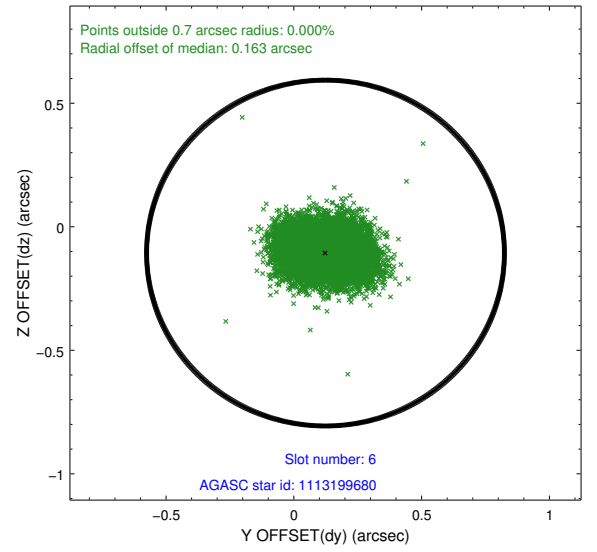
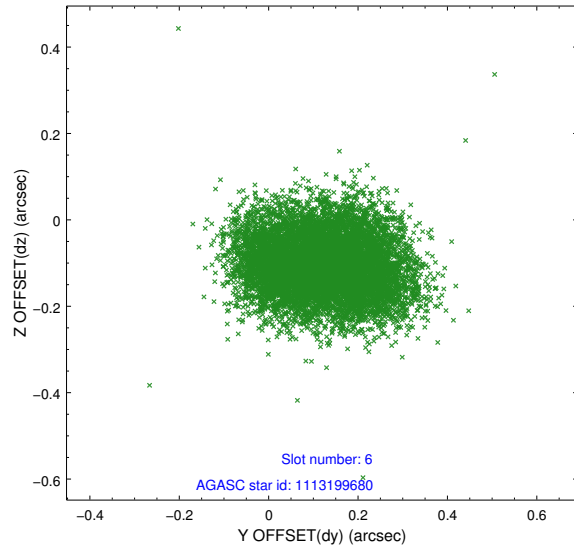
2.4.2 Slot 4



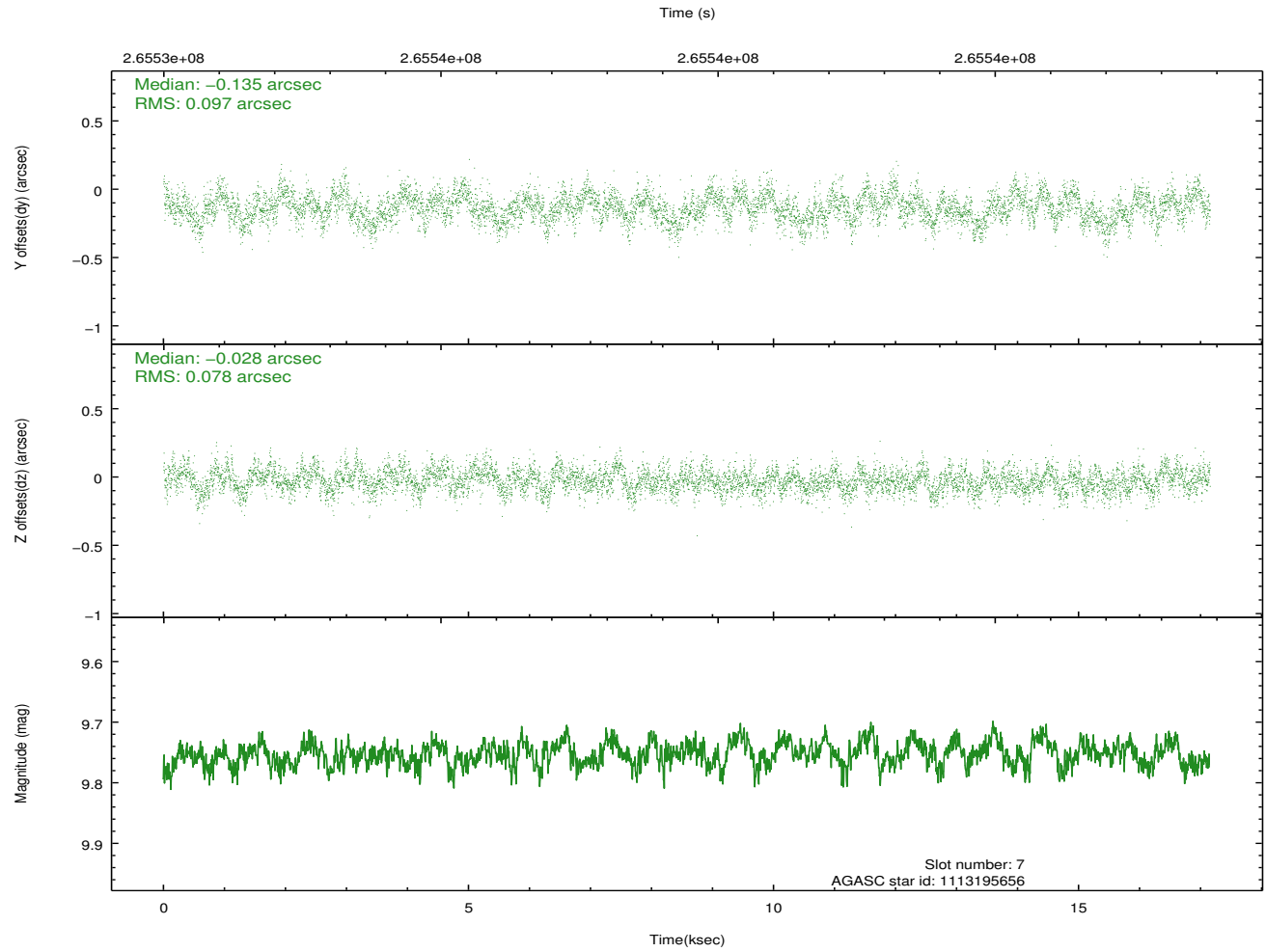
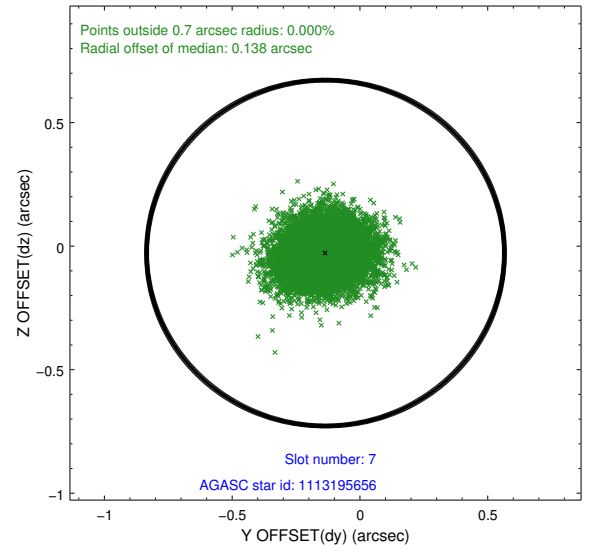
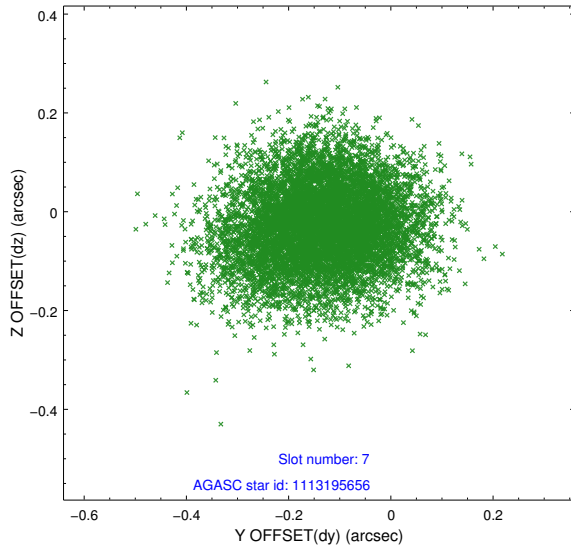
2.4.3 Slot 5



2.4.4 Slot 6

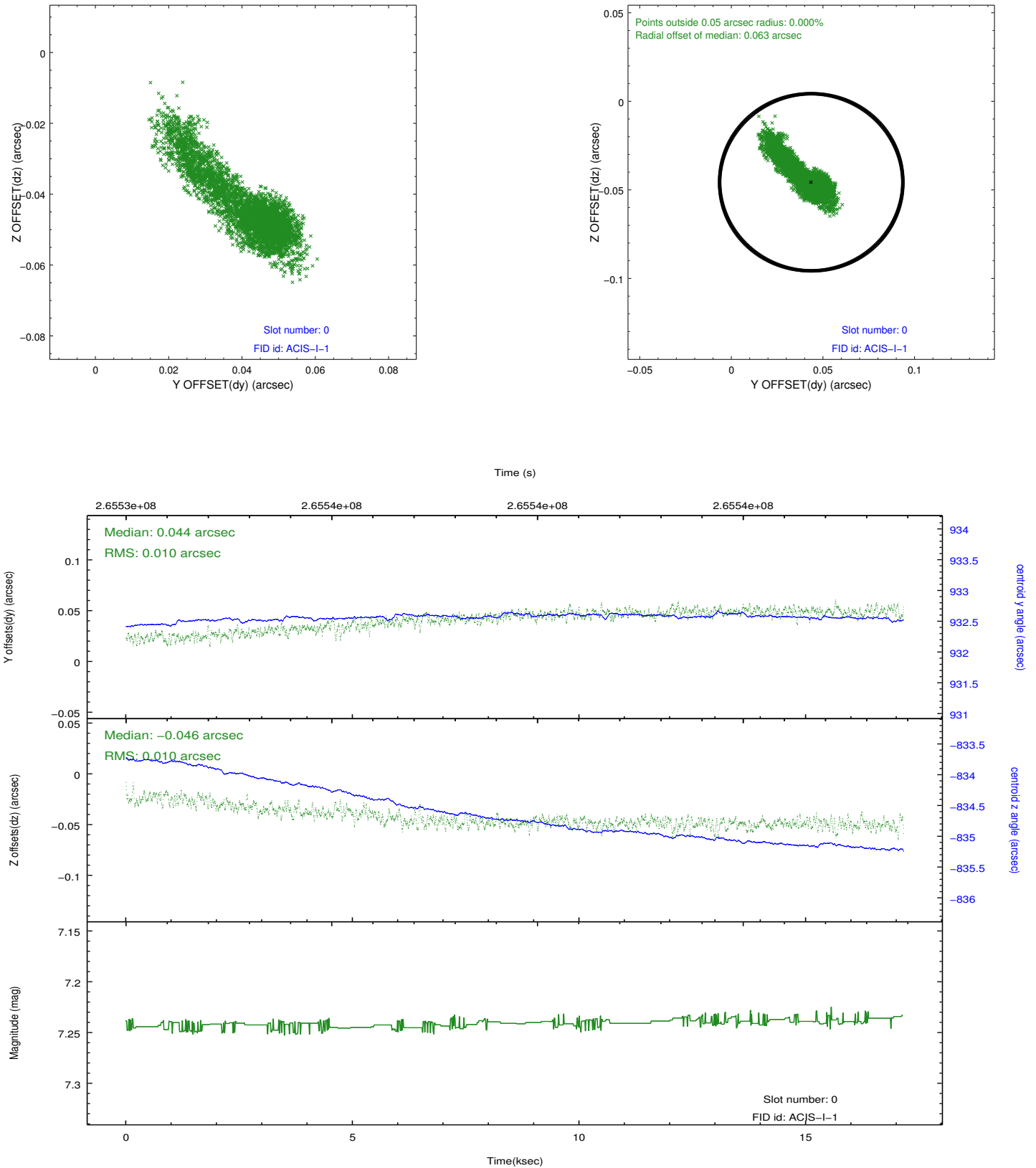


2.4.5 Slot 7

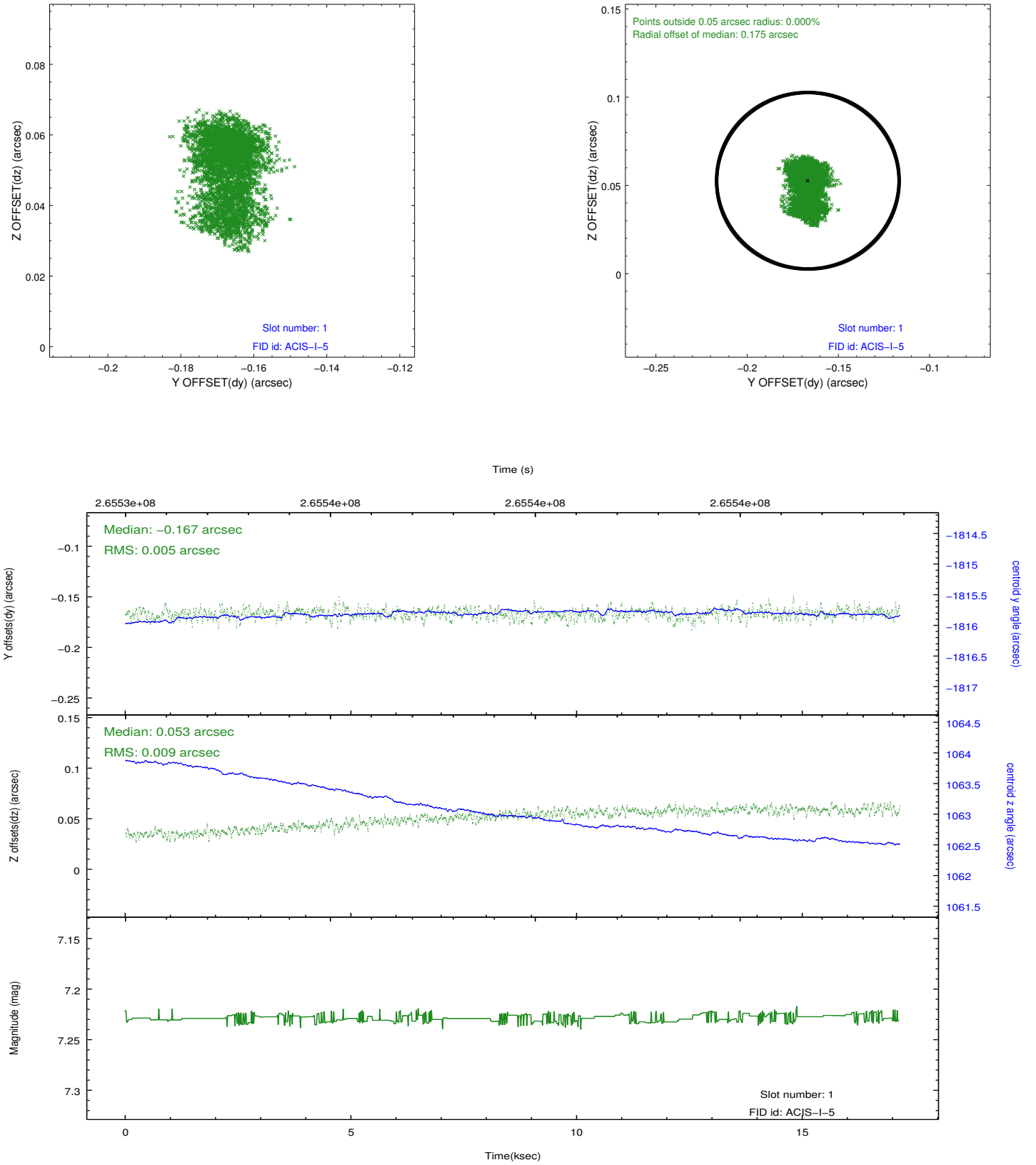


2.5 FID Slots

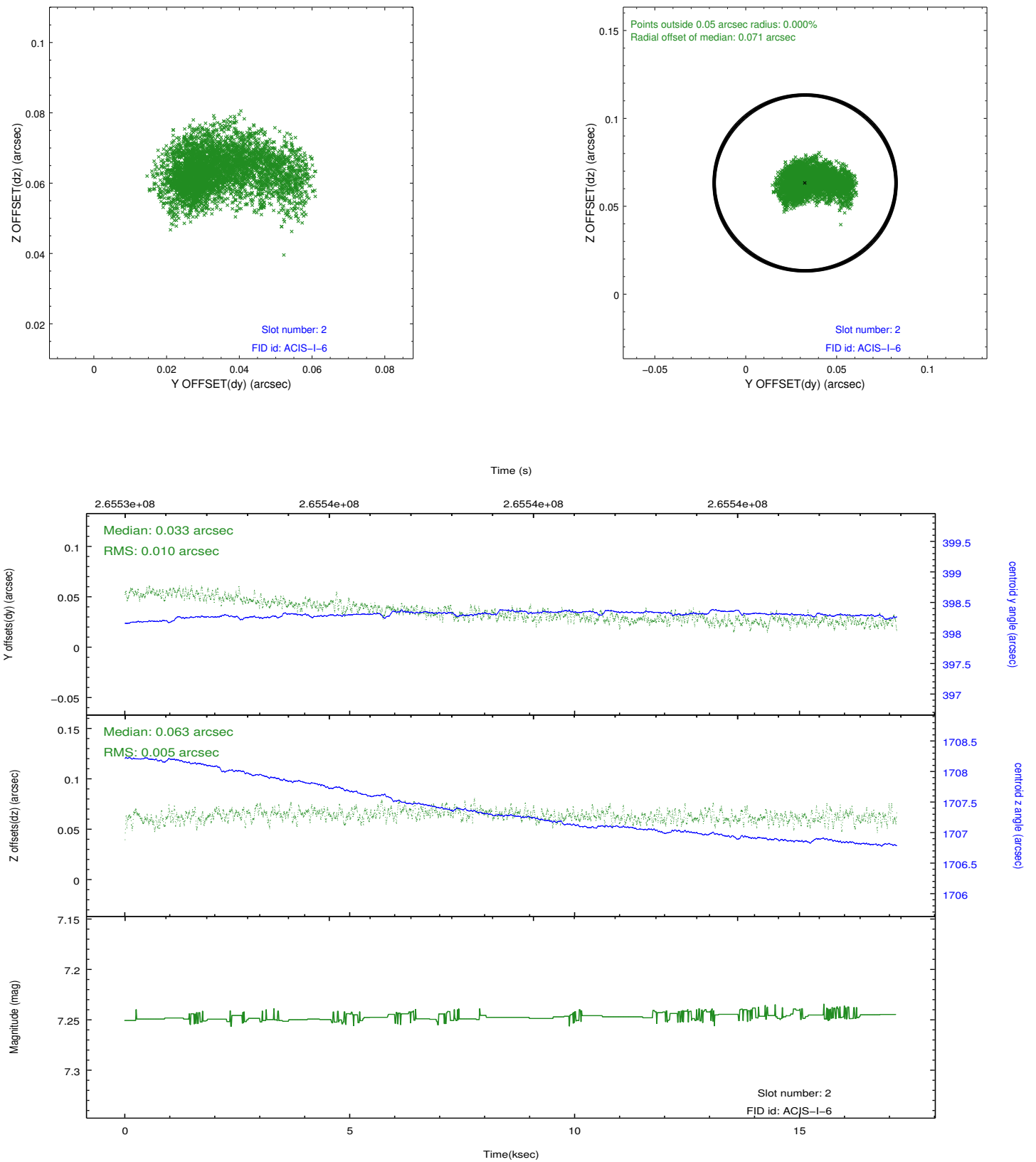
2.5.1 Slot 0



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)	2012.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	17.1491999

A.2 Comments