

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 13862 - L2 Version 1
Chandra X-Ray Center

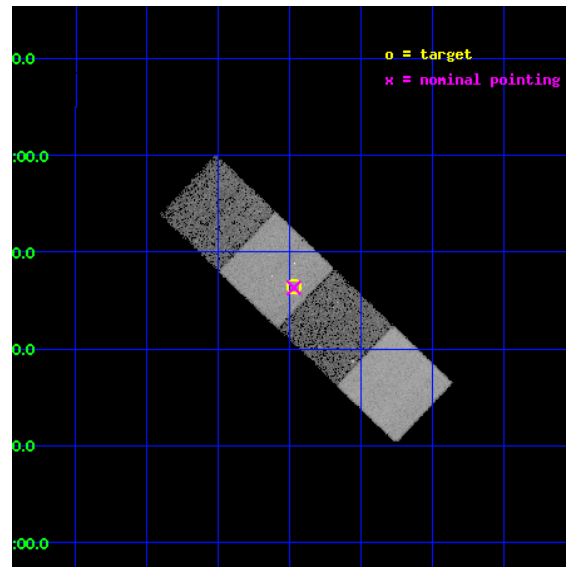
L2 Processing Date : May 4 2012

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

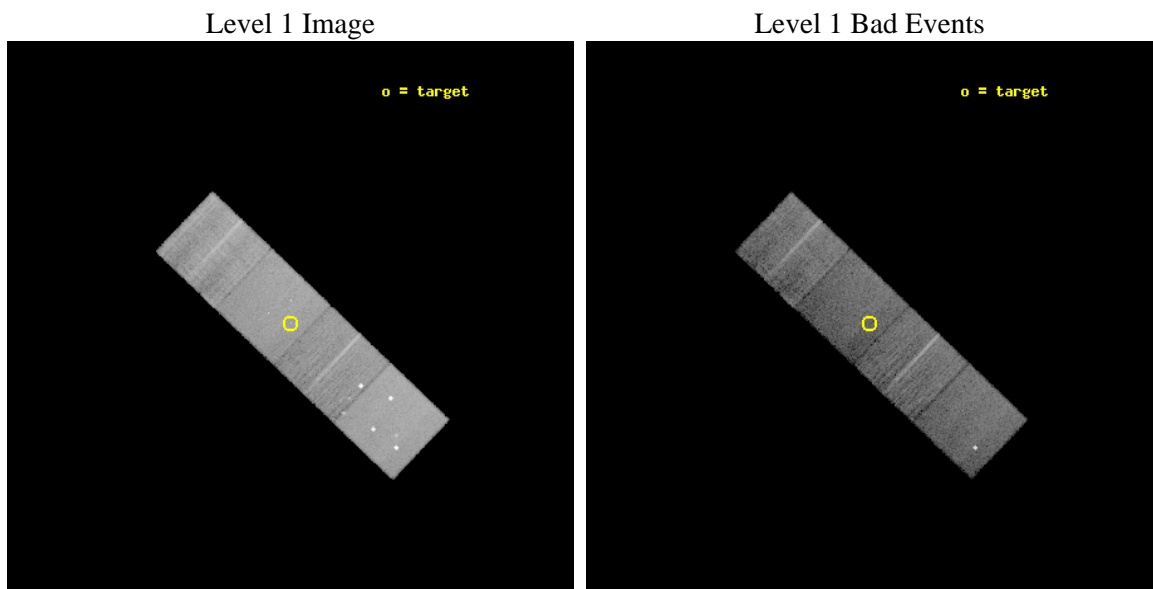
seq_num	702588	Sequence number
obs_id	13862	Observation id
title	The Radio--X-ray--BH-Mass Plane for the Smallest Supermassive Black Holes	Proposal title
observer	Dr. Kayhan Gultekin	Principal investigator
object	SDSS J132428.24+044629.6	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	201.1175	Observer's specified target RA [deg]
dec_targ	4.774889	Observer's specified target Dec [deg]
ra_nom	201.1180981576	Nominal RA [deg]
dec_nom	4.7718955711191	Nominal Dec [deg]
roll_nom	223.61991058389	Nominal Roll [deg]
revision	1	Processing version of data
ontime	15069.100115895	Sum of GTIs [s]
livetime	14872.211229171	Livetime [s]
ontime5	15069.100115895	Sum of GTIs [s]
ontime6	15069.100115895	Sum of GTIs [s]
ontime7	15069.100115895	Sum of GTIs [s]
ontime8	15069.100115895	Sum of GTIs [s]
l2events	138999	Number of level 2 events



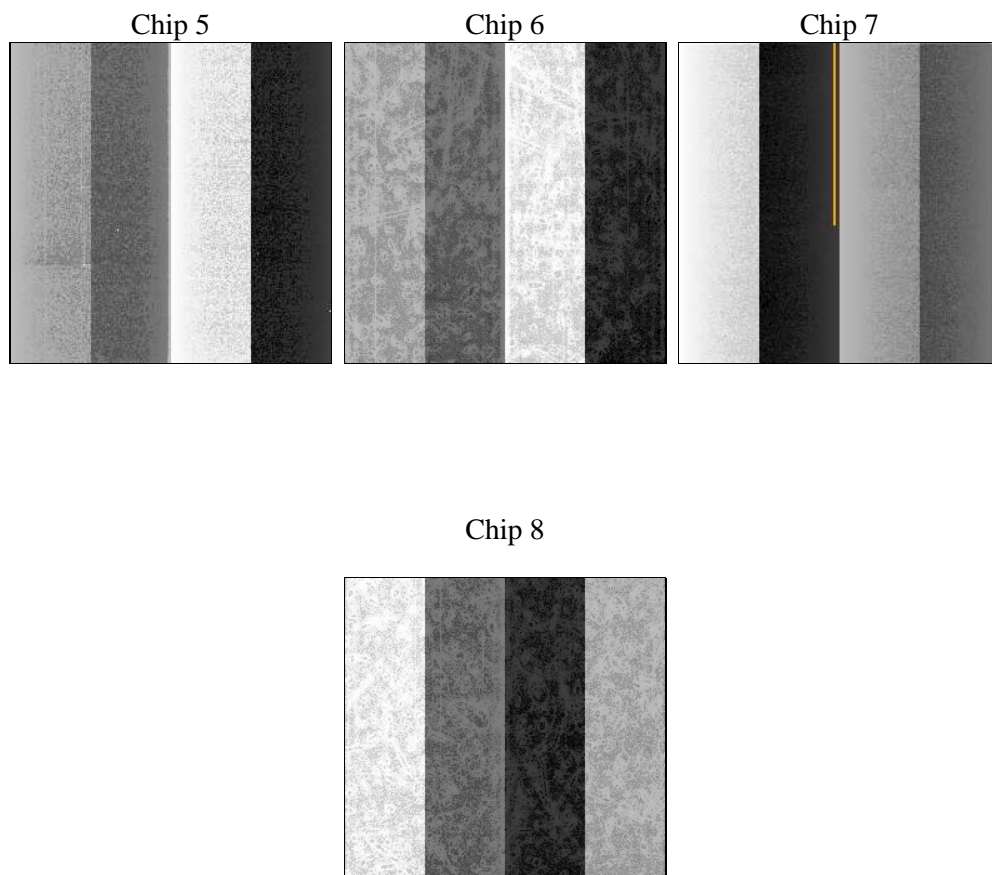
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	15069.100115895	Sum of GTIs [s]
caldsver	4.4.9	 	ontime5	15069.100115895	Sum of GTIs [s]
date	2012-05-04T17:02:48	Date and time of file creation	ontime6	15069.100115895	Sum of GTIs [s]
revision	1	Processing version of data	ontime7	15069.100115895	Sum of GTIs [s]
			ontime8	15069.100115895	Sum of GTIs [s]
			l1events	494346	Number of level 1 events

2.1.4 Events

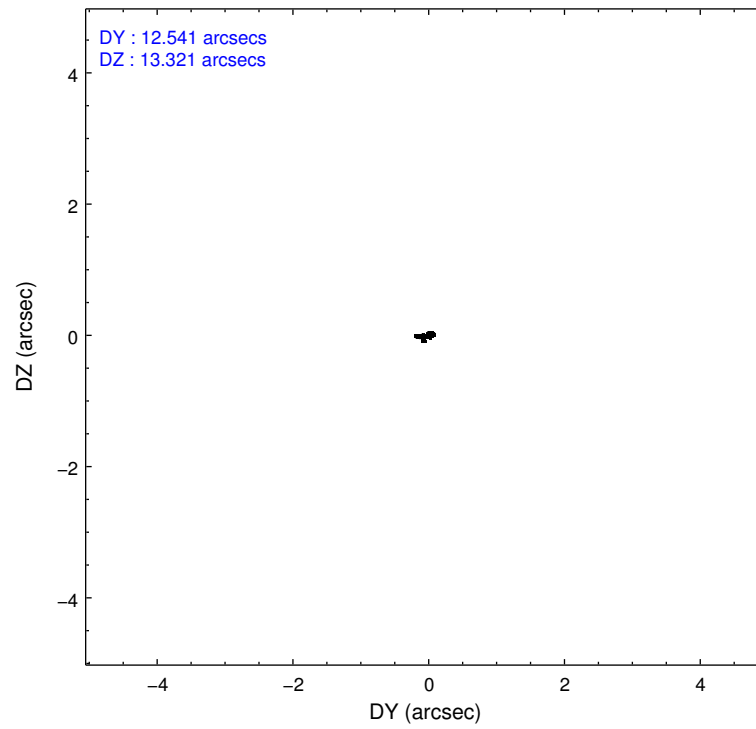
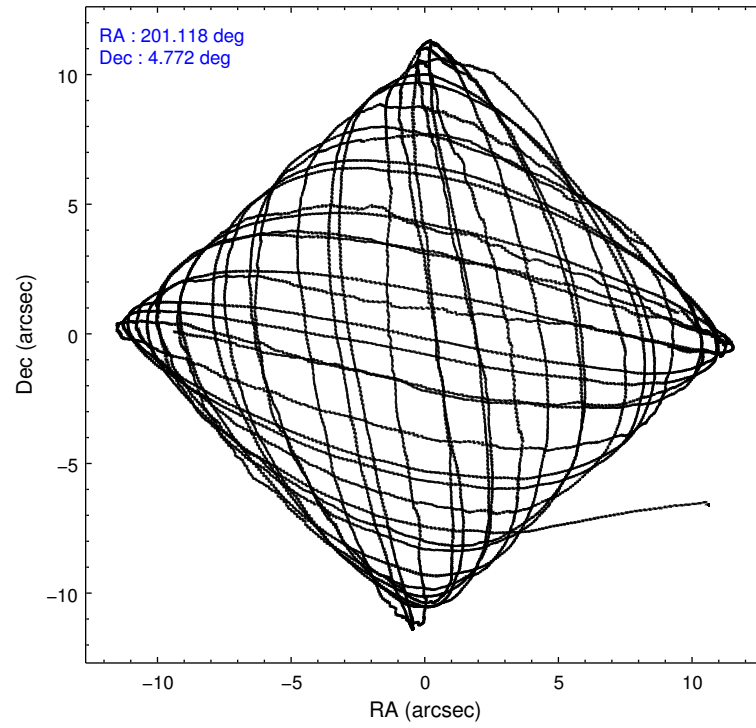
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	156176	97323	120160	120687
rejected events	76288	81686	66255	88674
rejected %	48%	83%	55%	73%

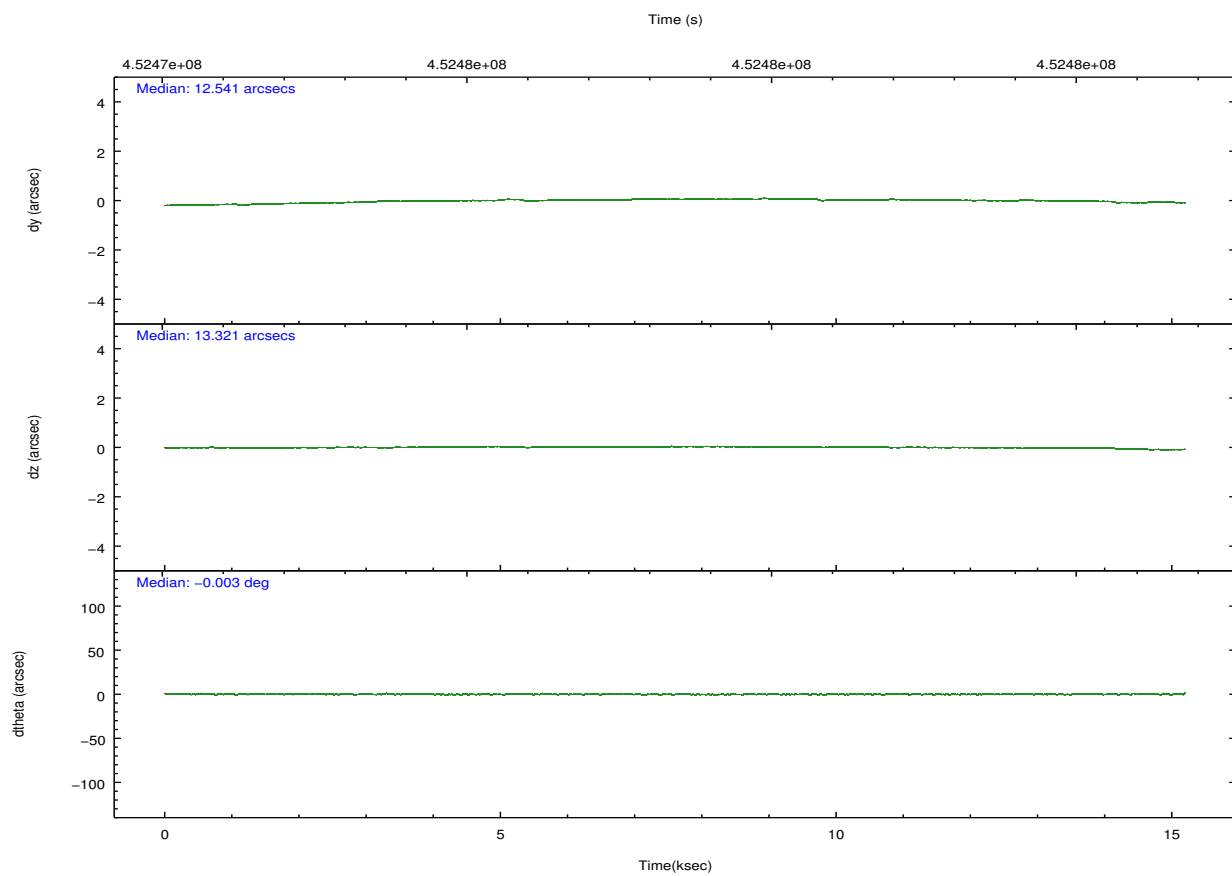
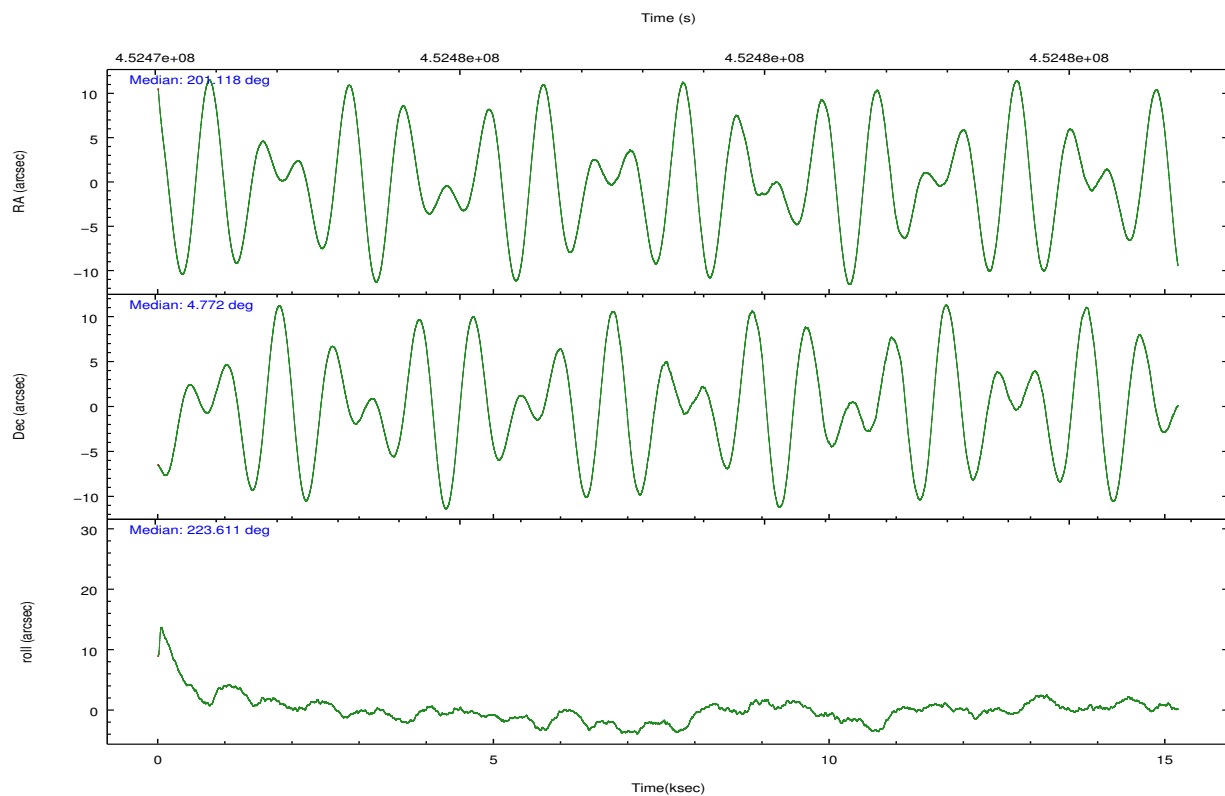
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	13858	8599	5105	9527
	8%	8%	4%	7%
grade 1 events	227	53	146	109
	0%	0%	0%	0%
grade 2 events	22977	2370	10964	7380
	14%	2%	9%	6%
grade 3 events	2795	1126	4895	3486
	1%	1%	4%	2%
grade 4 events	2429	1103	4594	3263
	1%	1%	3%	2%
grade 5 events	11140	4634	12373	6559
	7%	4%	10%	5%
grade 6 events	37846	2442	28359	8359
	24%	2%	23%	6%
grade 7 events	64904	76996	53724	82004
	41%	79%	44%	67%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-5678	ACIS-5678	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	201.125467	201.118098157599	Subarray requested	NONE	NONE
[deg] Pointing Dec	4.798261	4.771895571119121	Alternating exposures requested	N	N
[deg] Pointing Roll	223.462667	223.6199105838859	[s] Primary exposure time	0.000000	3.1
[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)	452471011.184000	452470056.17544			
Observation start date	2012-05-03T22:22:25	2012-05-03T22:07:36			
[s] Observation end time (MET)	452486011.184000	452486946.63884			
Observation end date	2012-05-04T02:32:25	2012-05-04T02:49:06			
Read mode	TIMED	TIMED			

2.3 Aspect



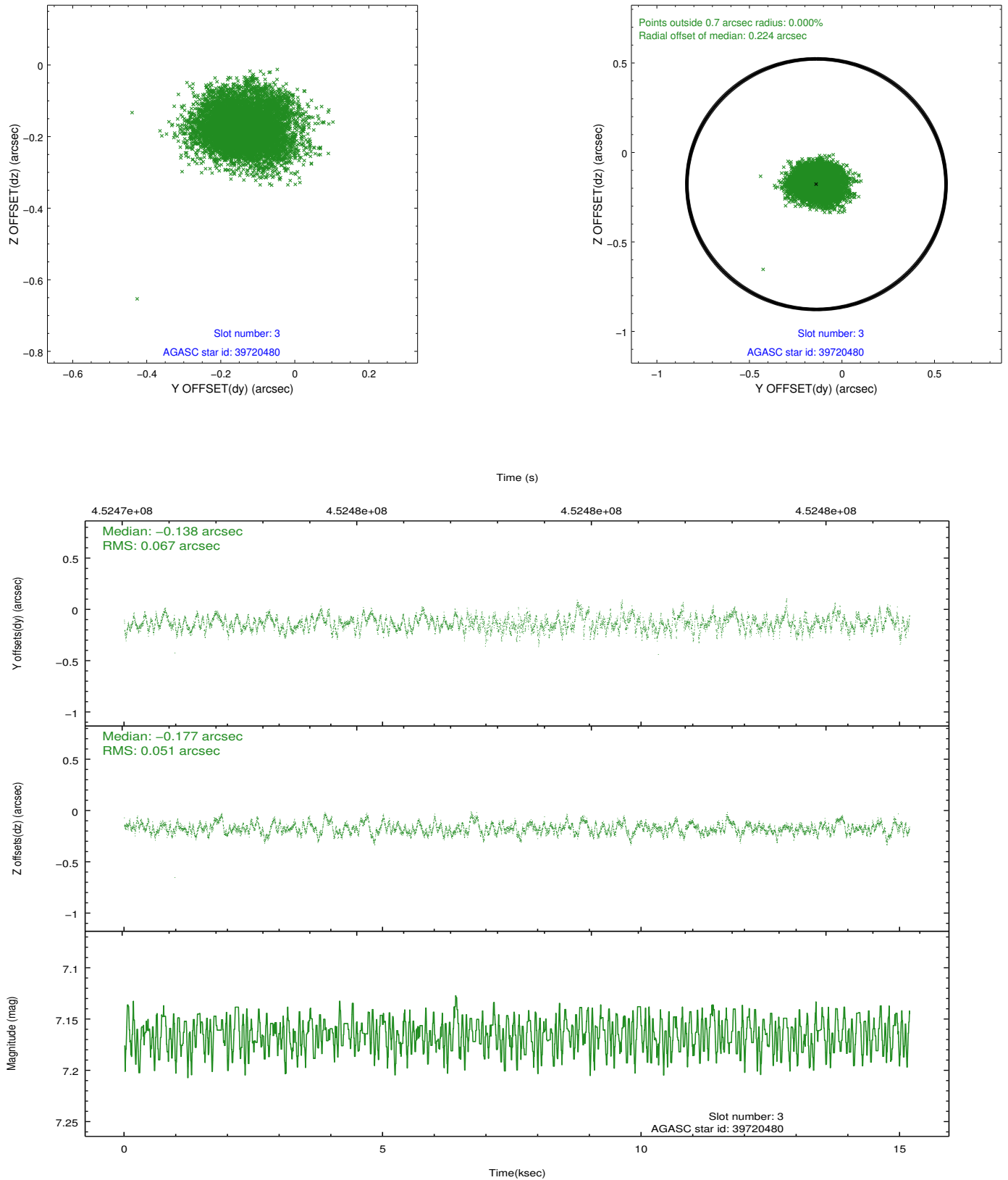


Slot Statistics

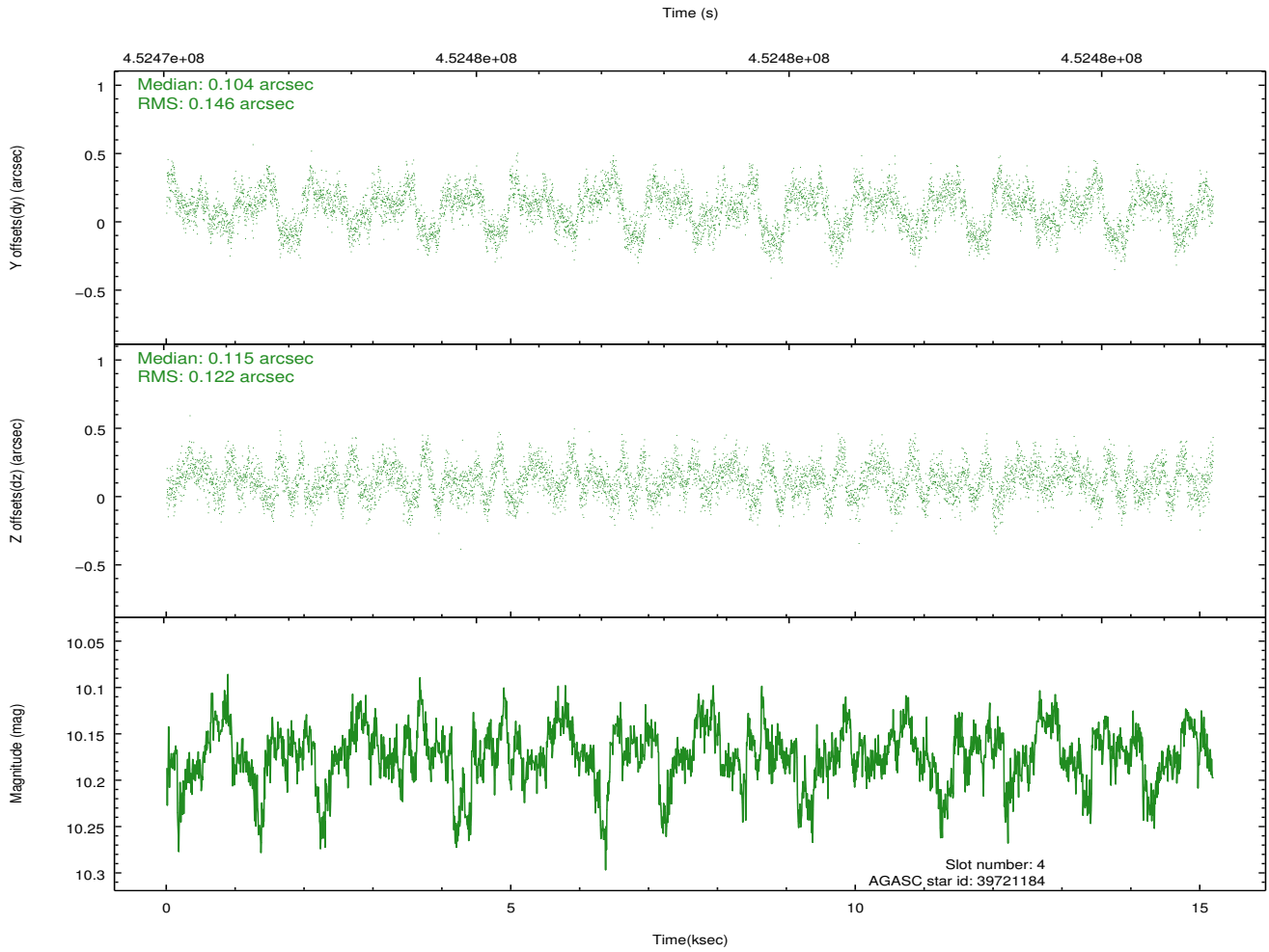
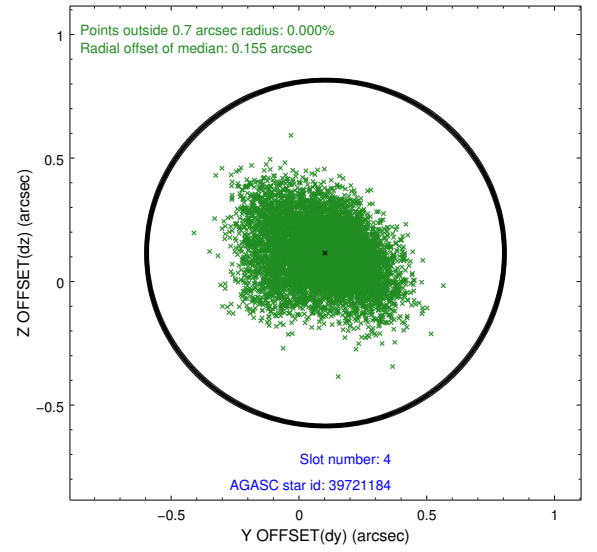
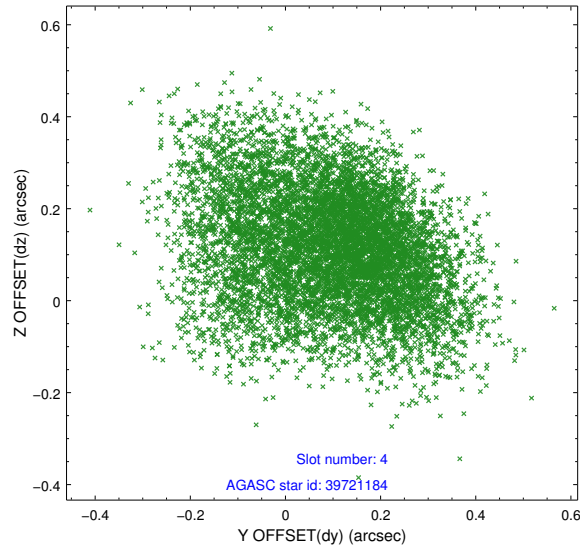
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.96	3705	-0.037	-0.044	0.007	0.011	0.000000	0.000000	-765.48	-1734.69
1	FID	ACIS-S-4	7.05	3704	0.180	0.030	0.006	0.012	0.000000	0.000000	2147.90	173.53
2	FID	ACIS-S-5	7.09	3705	-0.174	0.023	0.007	0.013	0.000000	0.000000	-1818.06	167.57
3	GUIDE	39720480	7.16	7408	-0.138	-0.177	0.089	0.144	201.177441	4.402072	845.45	1163.49
4	GUIDE	39721184	10.17	7400	0.104	0.115	0.205	0.330	201.917970	4.687889	-1791.63	2243.33
5	GUIDE	39721936	9.60	7379	-0.038	-0.020	0.159	0.253	201.230183	4.242524	1103.29	1710.85
6	GUIDE	40109920	9.10	7407	0.109	-0.030	0.113	0.180	201.159124	5.665559	-2234.54	-2183.41
7	GUIDE	40110184	6.33	7409	-0.014	0.111	0.098	0.168	200.540370	5.154765	640.43	-2375.55

2.4 Star Slots

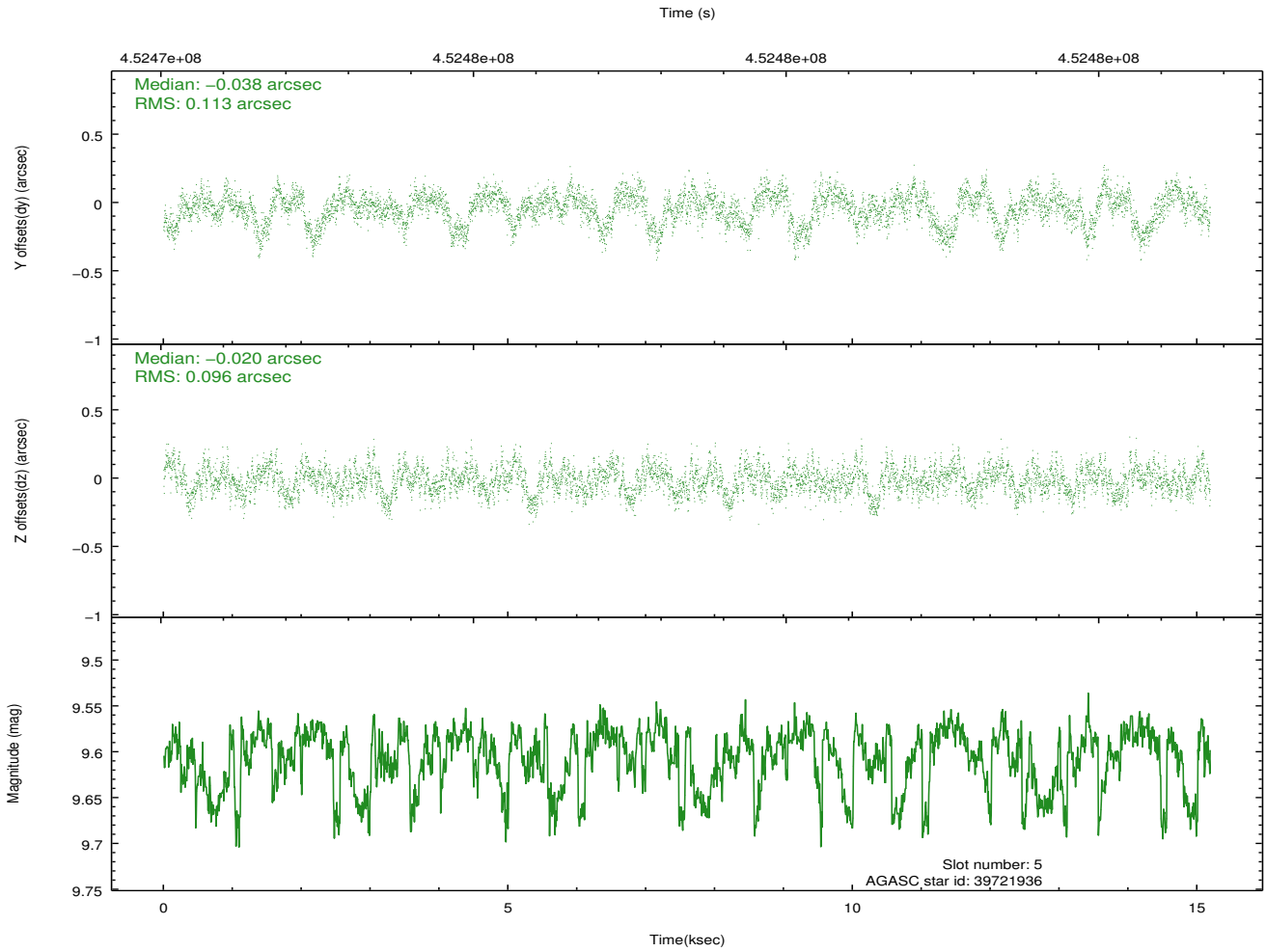
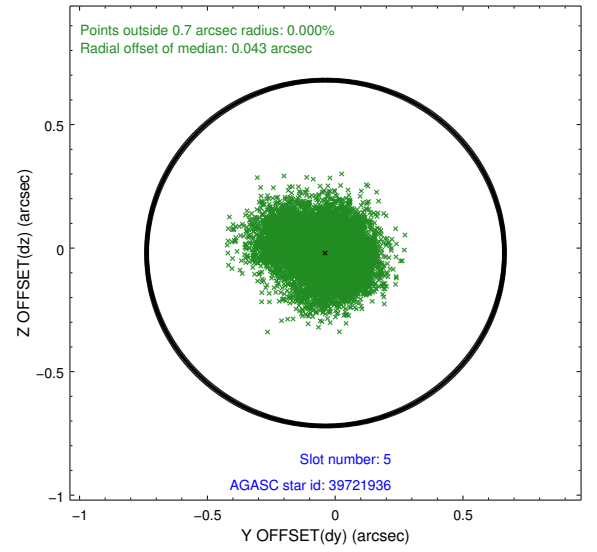
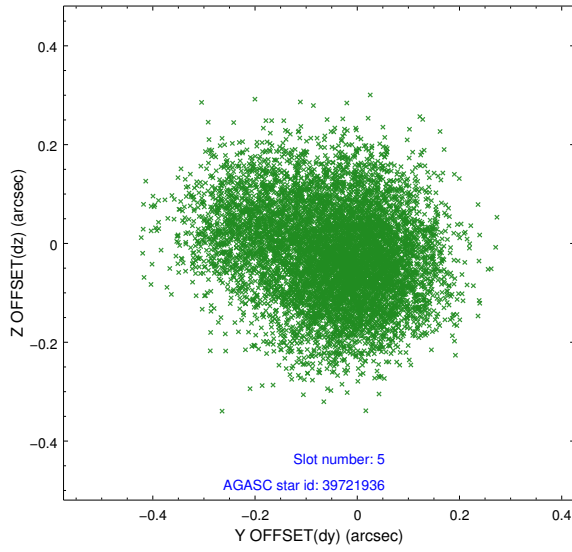
2.4.1 Slot 3



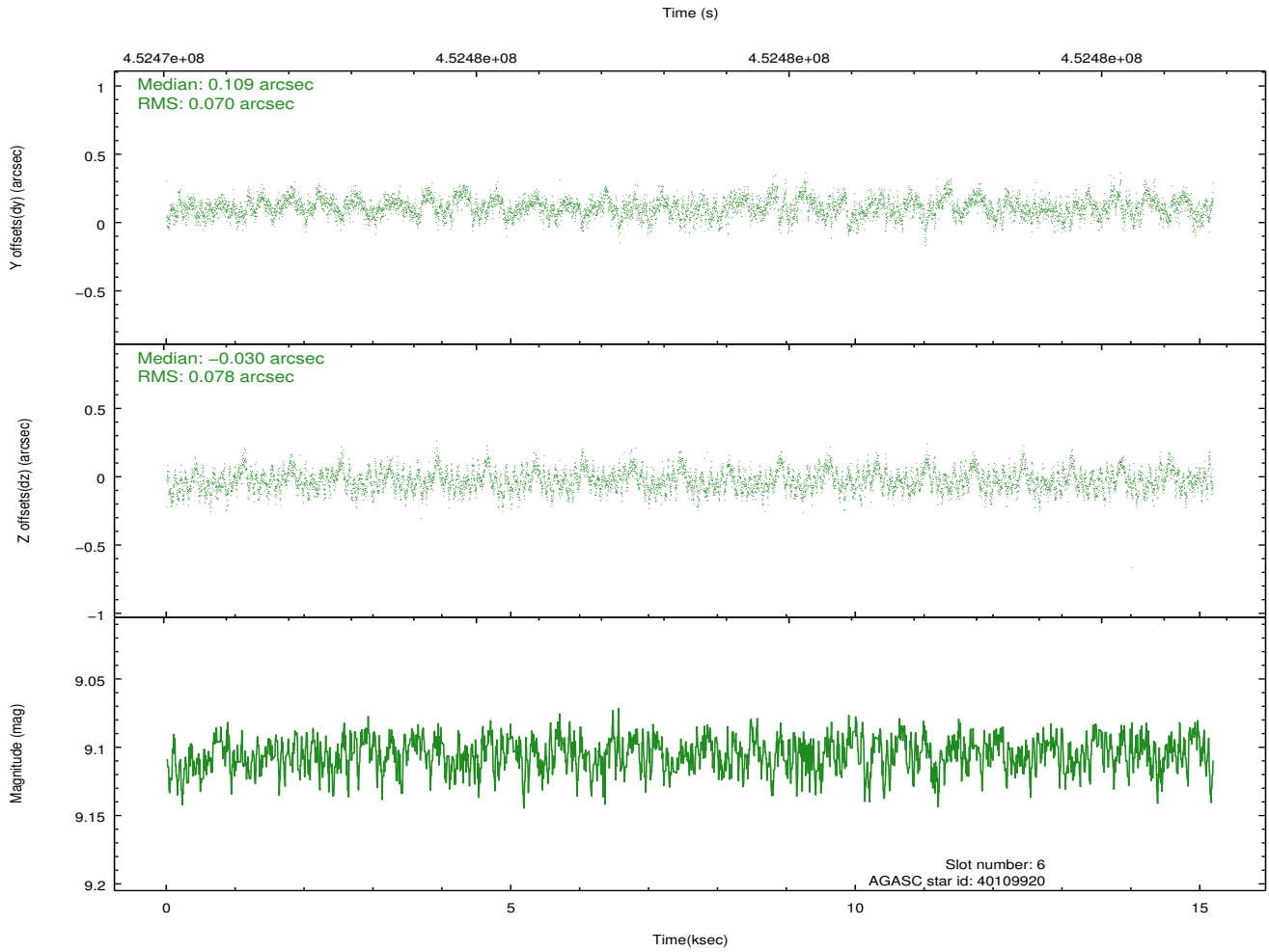
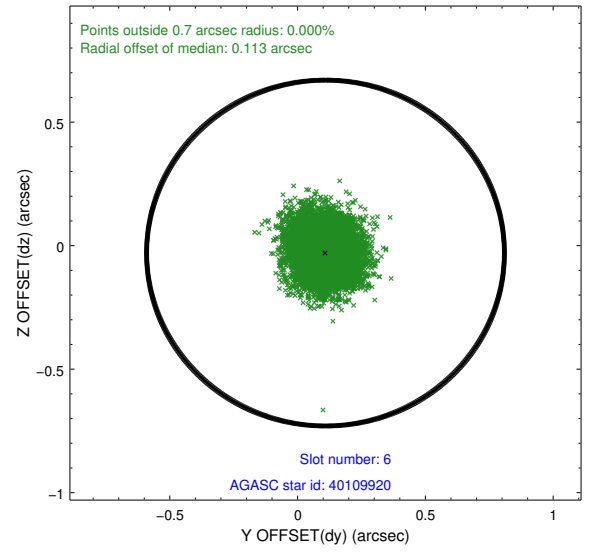
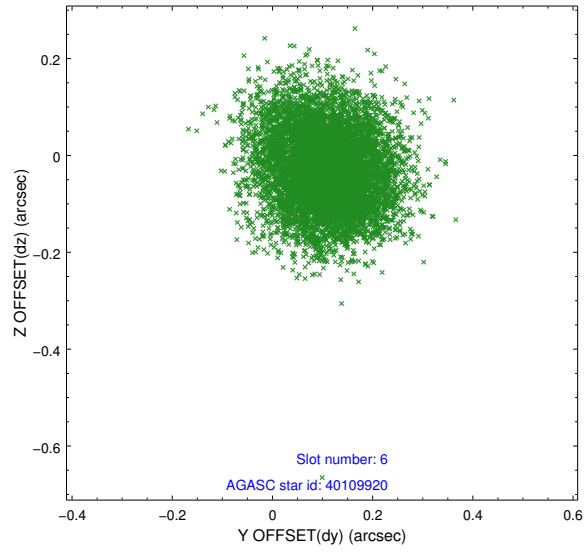
2.4.2 Slot 4



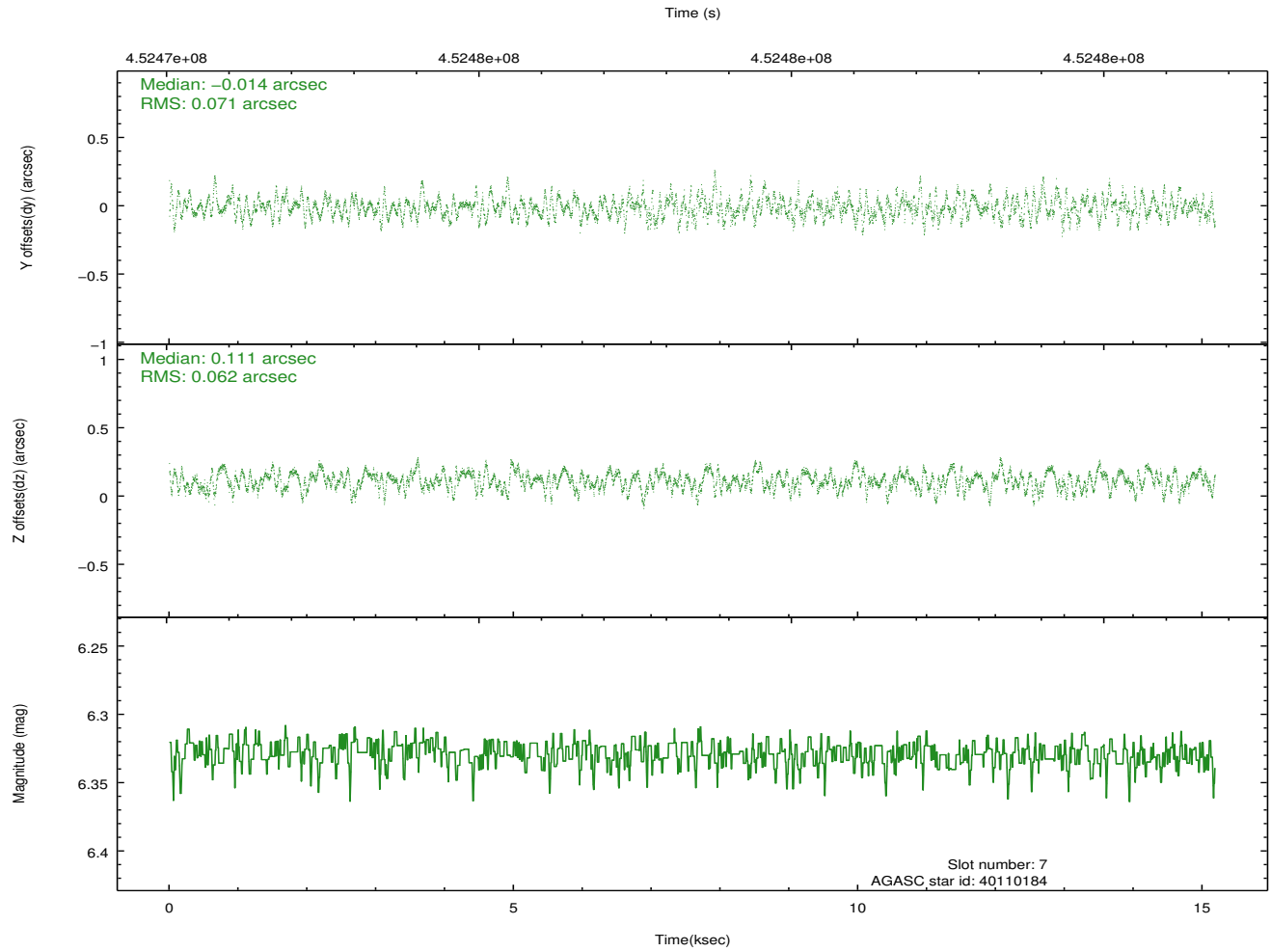
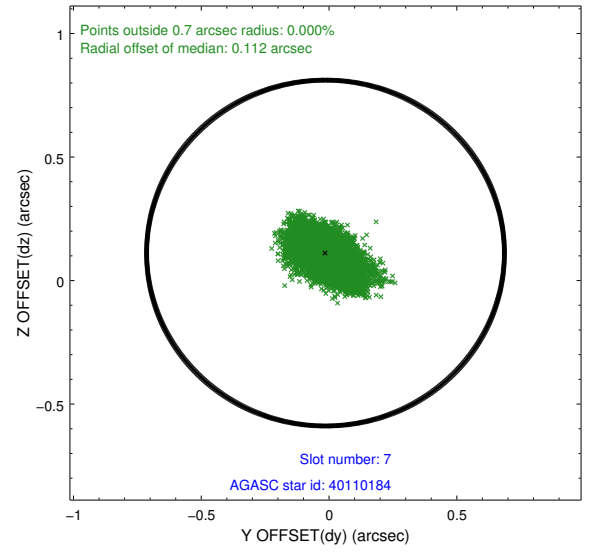
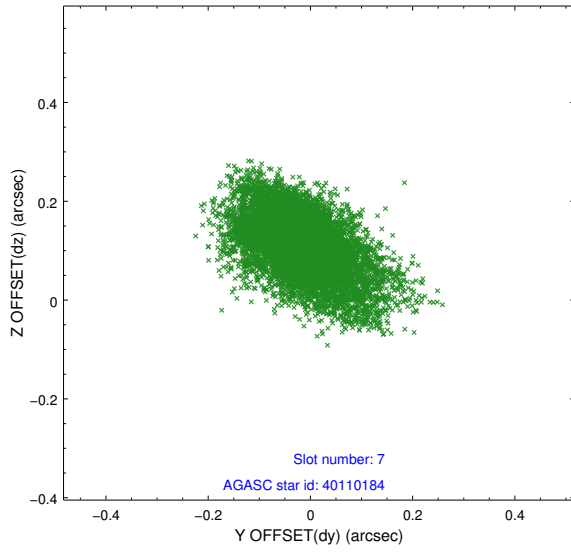
2.4.3 Slot 5



2.4.4 Slot 6

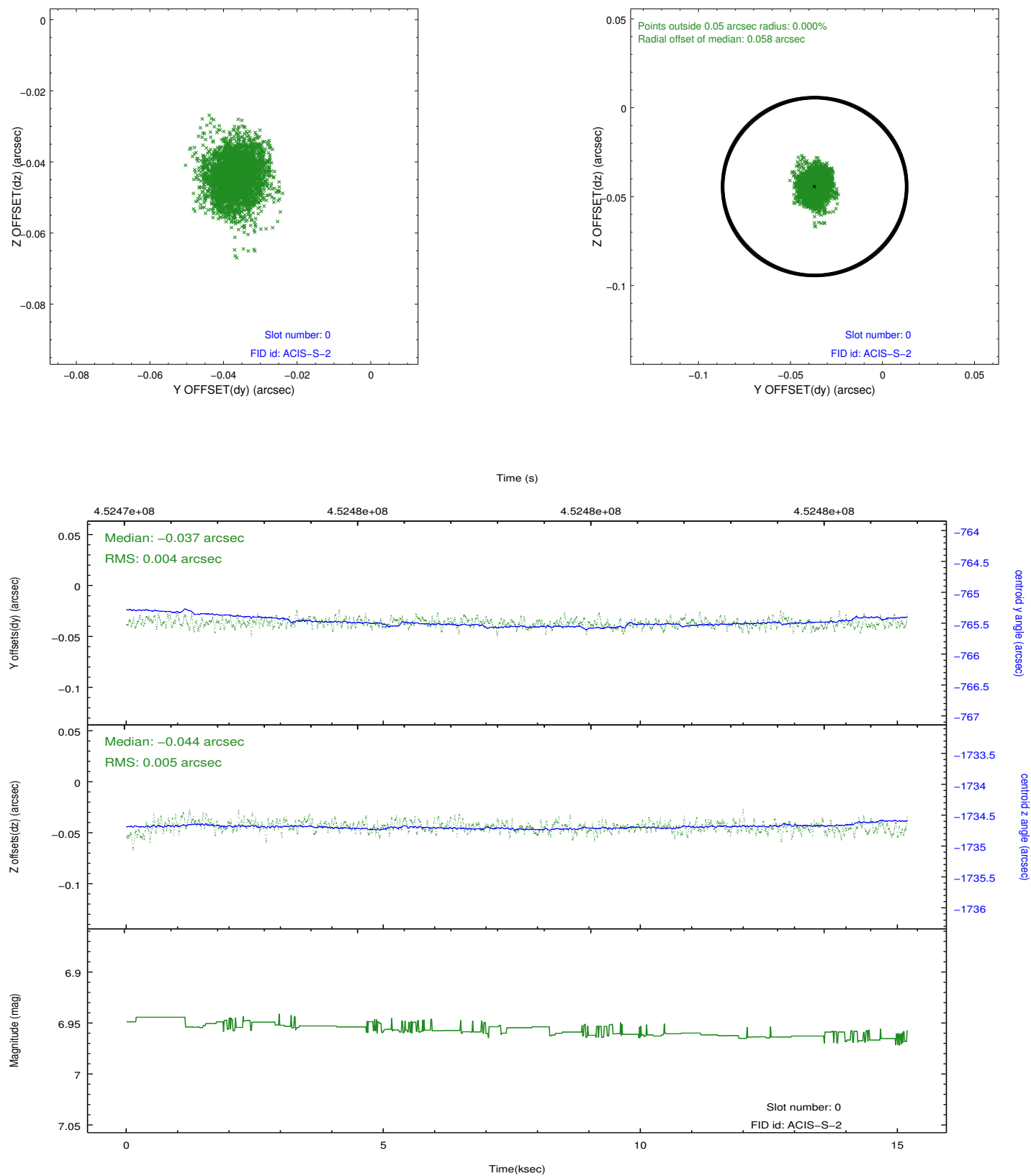


2.4.5 Slot 7

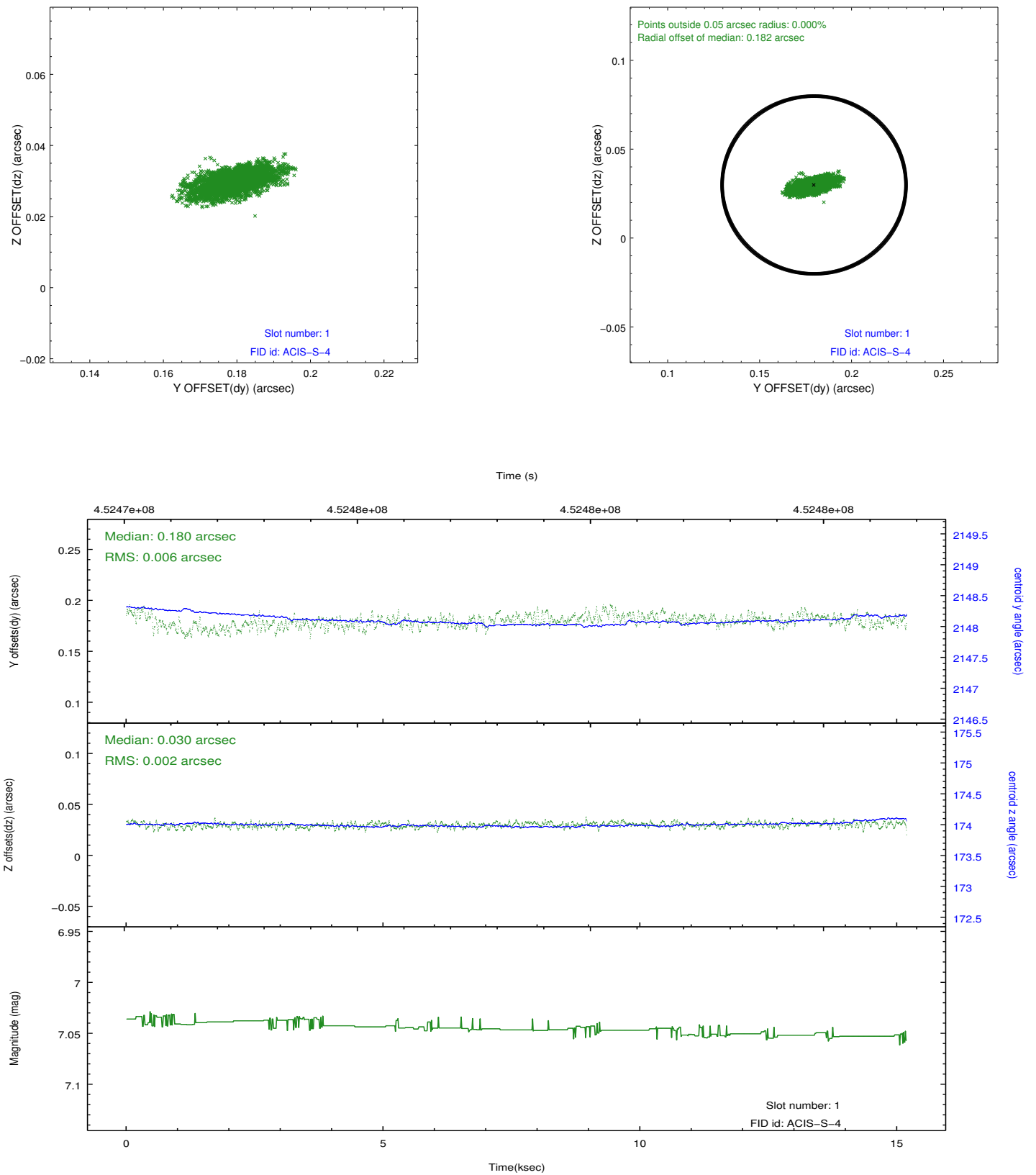


2.5 FID Slots

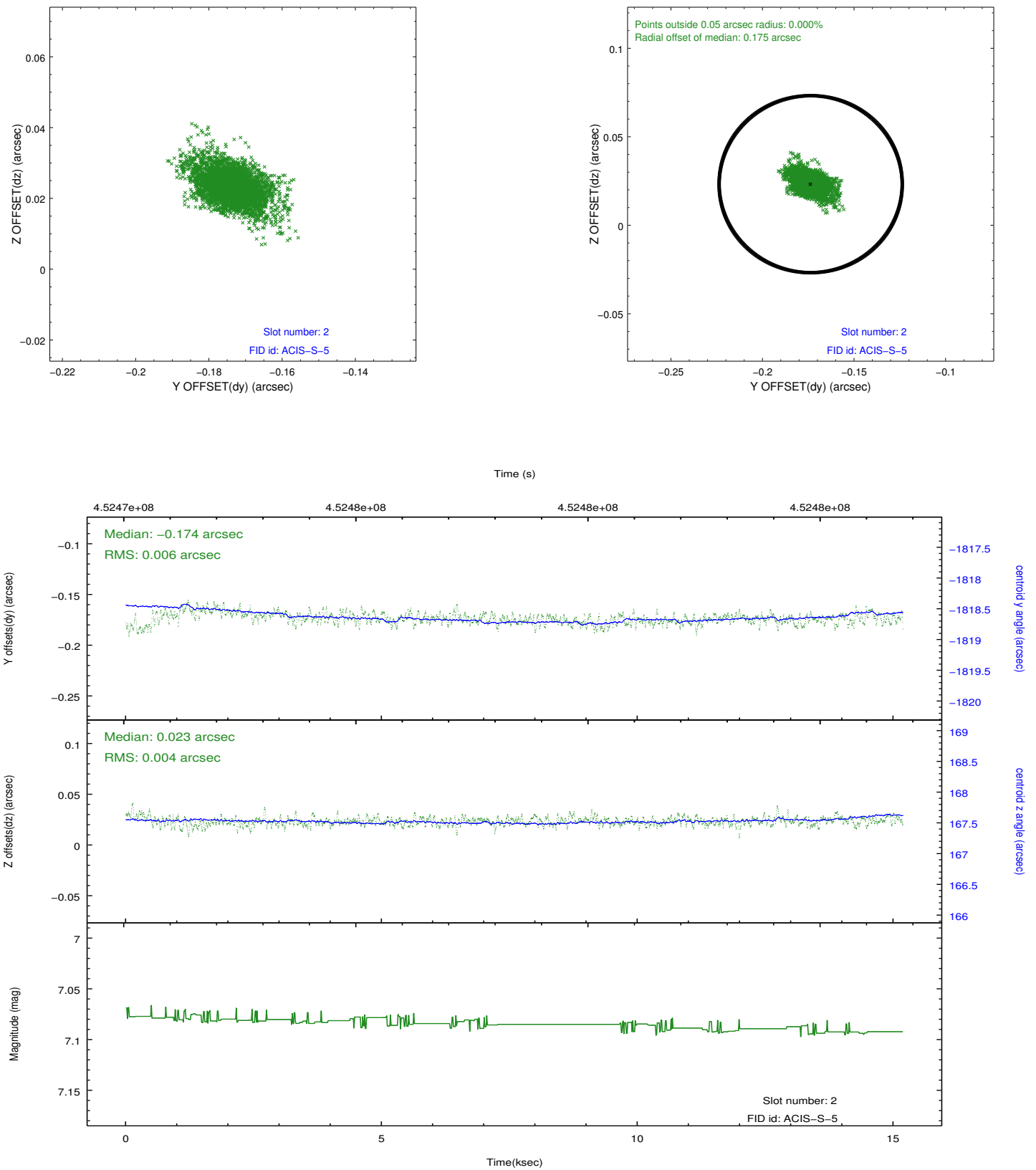
2.5.1 Slot 0



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)	2012.05.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.069100115895

A.2 Comments

Joint Proposal: NRAO