

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 7885 - L2 Version 2  
Chandra X-Ray Center

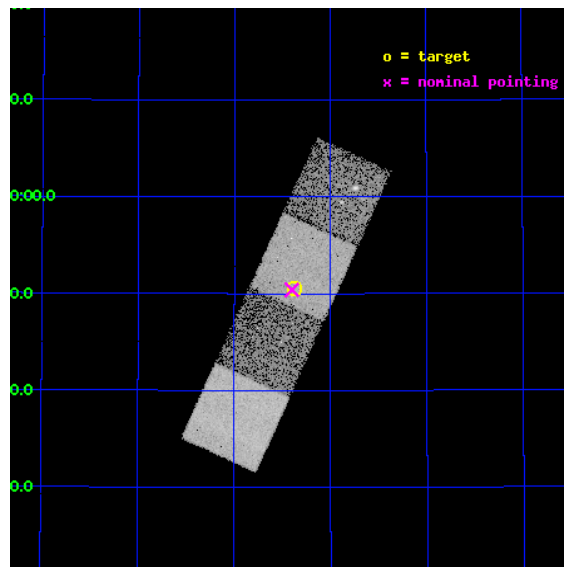
L2 Processing Date : Apr 29 2012

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
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
<b>A</b>	<b>Summary</b>	<b>17</b>
A.1	Status . . . . .	17
A.2	Comments . . . . .	17

# 1 Front

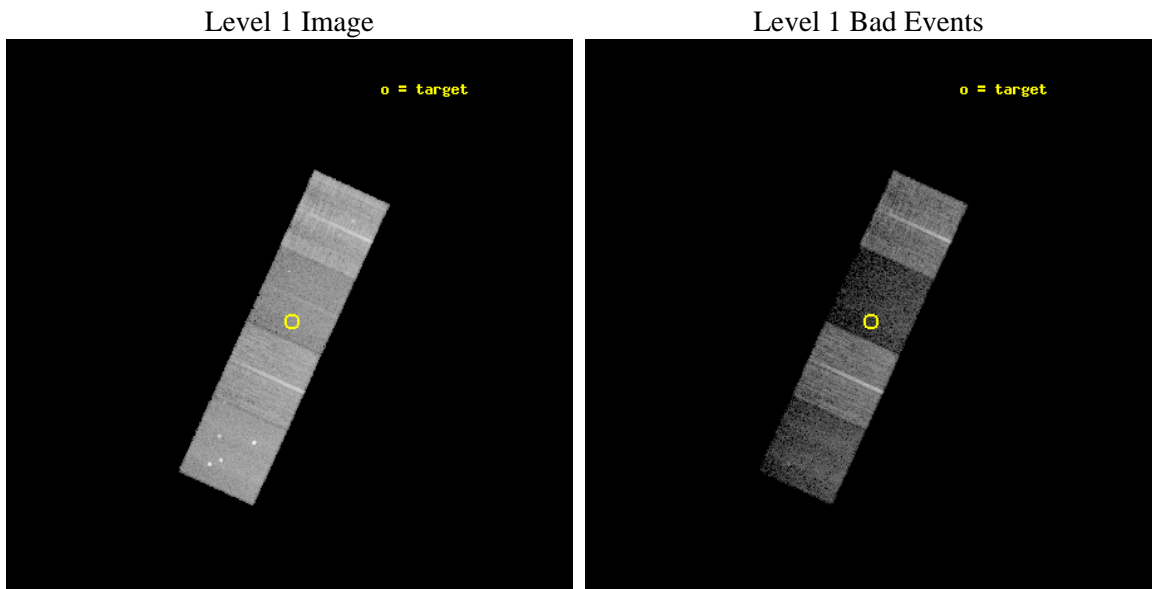
seq_num	701548	Sequence number
obs_id	7885	Observation id
title	An Exploratory Chandra Survey of Weak-Line Quasars from the Sloan Digital Sky Survey	Proposal title
observer	Prof. William Brandt	Principal investigator
object	SDSS J1334+4750	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	203.594167	Observer's specified target RA [deg]
dec_targ	47.842639	Observer's specified target Dec [deg]
ra_nom	203.60017671612	Nominal RA [deg]
dec_nom	47.839969495331	Nominal Dec [deg]
roll_nom	294.53002553774	Nominal Roll [deg]
revision	2	Processing version of data
ontime	11749.000090361	Sum of GTIs [s]
livetime	11595.490754692	Livetime [s]
ontime5	11749.000090361	Sum of GTIs [s]
ontime6	11749.000090361	Sum of GTIs [s]
ontime7	11749.000090361	Sum of GTIs [s]
ontime8	11749.000090361	Sum of GTIs [s]
l2events	78390	Number of level 2 events



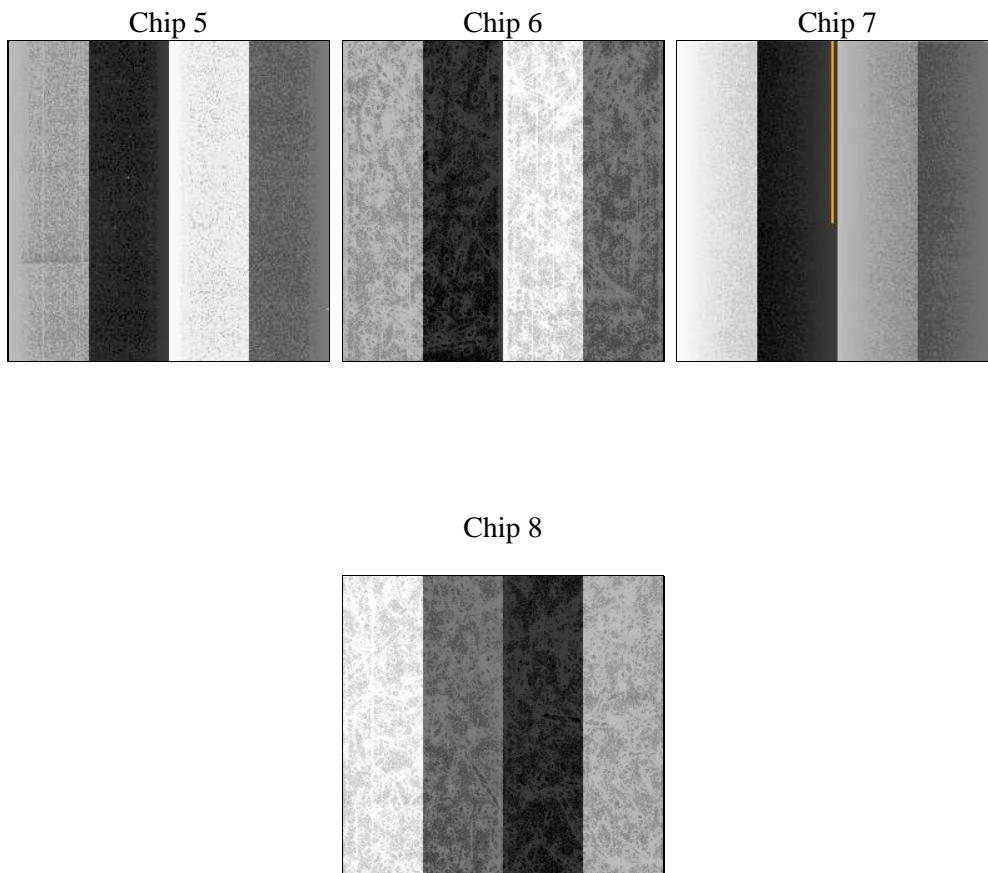
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	11600.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	11749.000090361	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime5	11749.000090361	Sum of GTIs [s]
date	2012-04-30T01:12:29	Date and time of file creation	ontime6	11749.000090361	Sum of GTIs [s]
revision	2	Processing version of data	ontime7	11749.000090361	Sum of GTIs [s]
			ontime8	11749.000090361	Sum of GTIs [s]
			l1events	343597	Number of level 1 events

### 2.1.4 Events

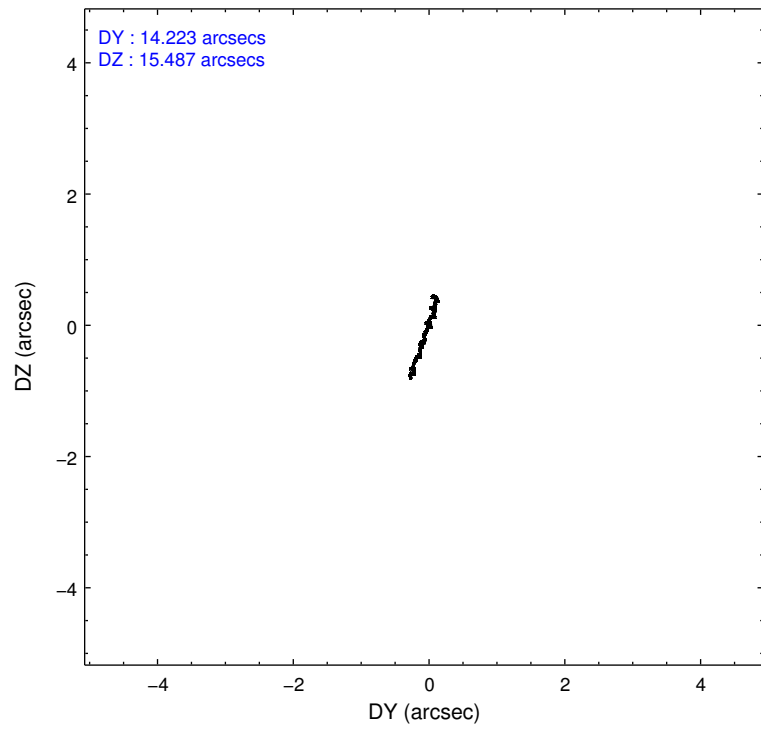
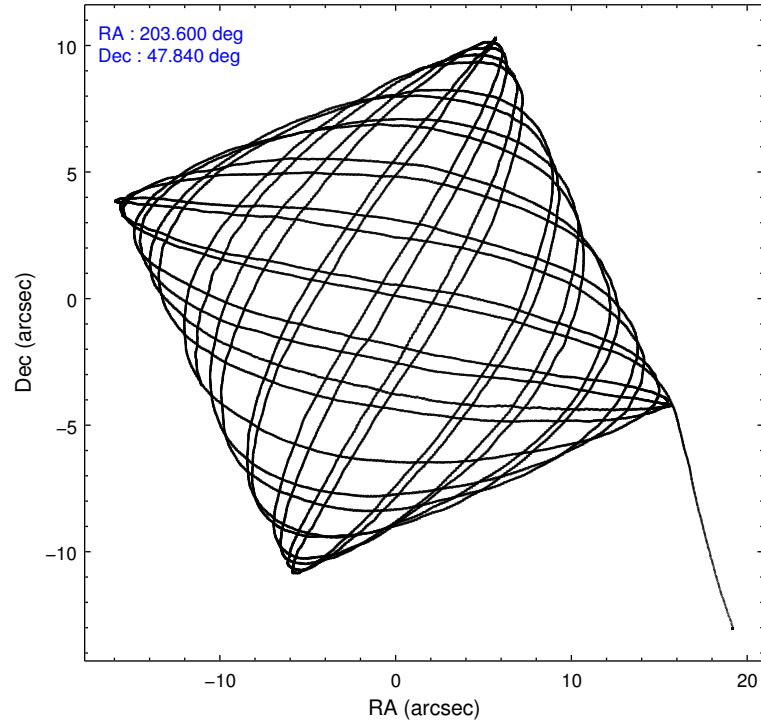
	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	85757	92412	52511	112917
rejected events	39381	85307	25914	86740
rejected %	45%	92%	49%	76%

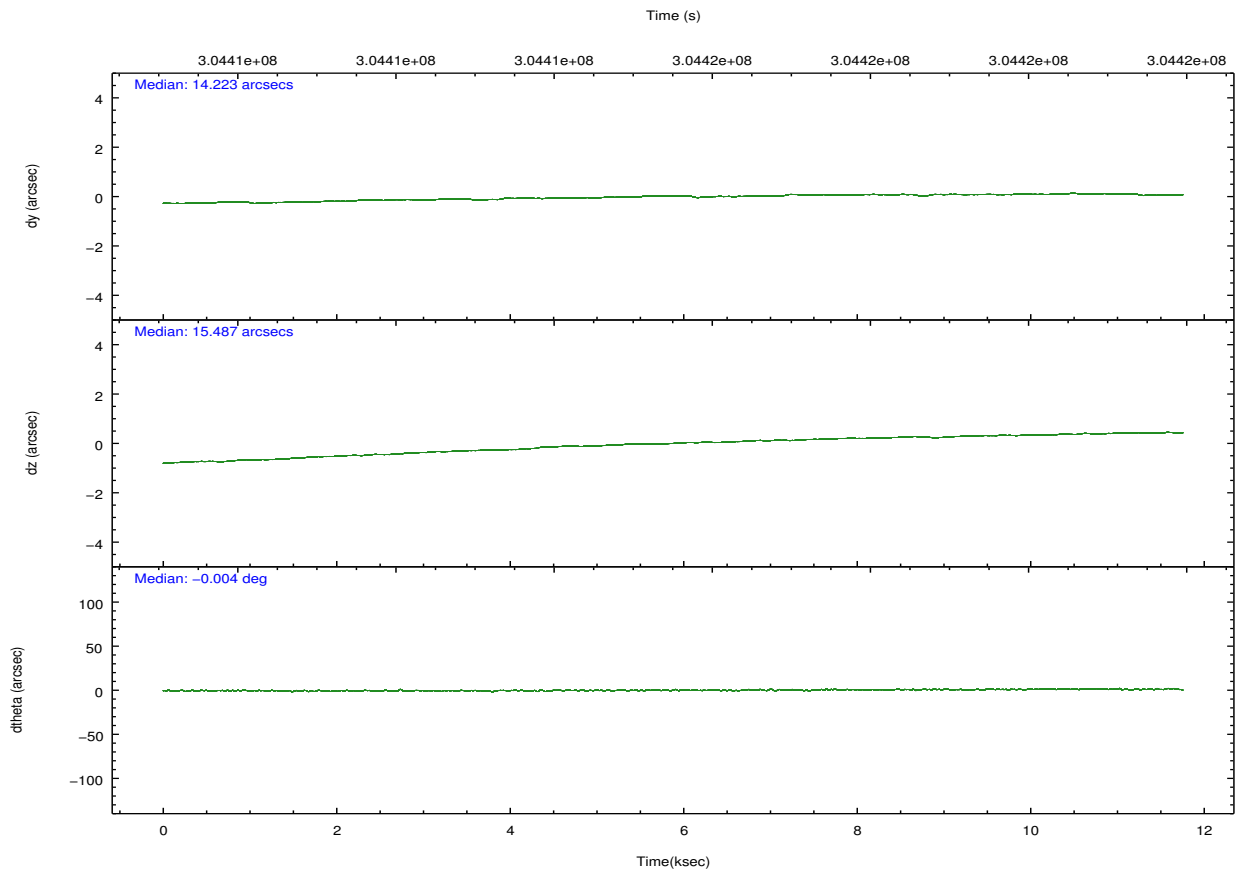
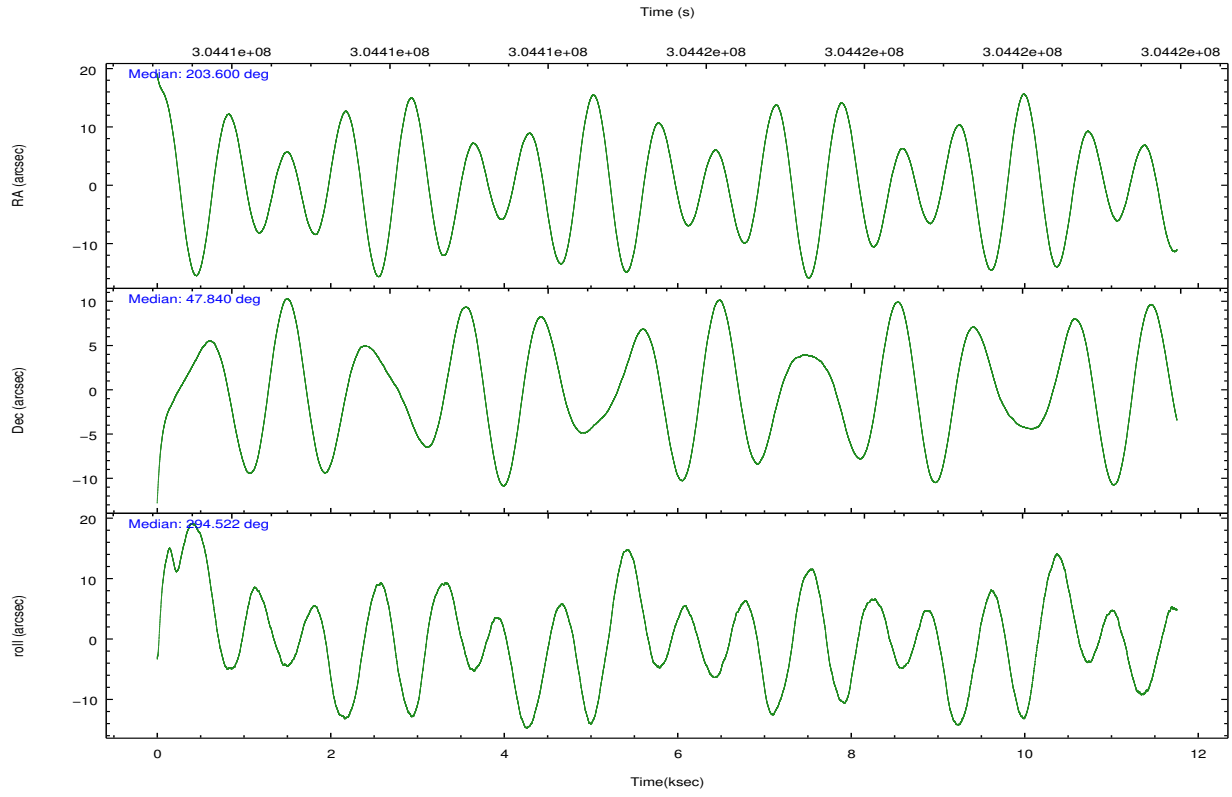
	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	10924	3356	4203	9003
	12%	3%	8%	7%
grade 1 events	400	43	152	90
	0%	0%	0%	0%
grade 2 events	16063	1787	7326	7006
	18%	1%	13%	6%
grade 3 events	2541	887	3203	3397
	2%	0%	6%	3%
grade 4 events	2463	866	3111	3077
	2%	0%	5%	2%
grade 5 events	6481	1770	5373	3169
	7%	1%	10%	2%
grade 6 events	21697	1296	12806	7823
	25%	1%	24%	6%
grade 7 events	25188	82407	16337	79352
	29%	89%	31%	70%

## 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	203.566665	203.6001767161173	Subarray requested	NONE	NONE
[deg] Pointing Dec	47.855498	47.8399694953309	Alternating exposures requested	N	N
[deg] Pointing Roll	294.398257	294.5300255377396	[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)	304409788.184000	304407881.10371			
Observation start date	2007-08-25T06:15:23	2007-08-25T05:44:41			
[s] Observation end time (MET)	304421388.184000	304421796.50438			
Observation end date	2007-08-25T09:28:43	2007-08-25T09:36:36			
Read mode	TIMED	TIMED			

## 2.3 Aspect



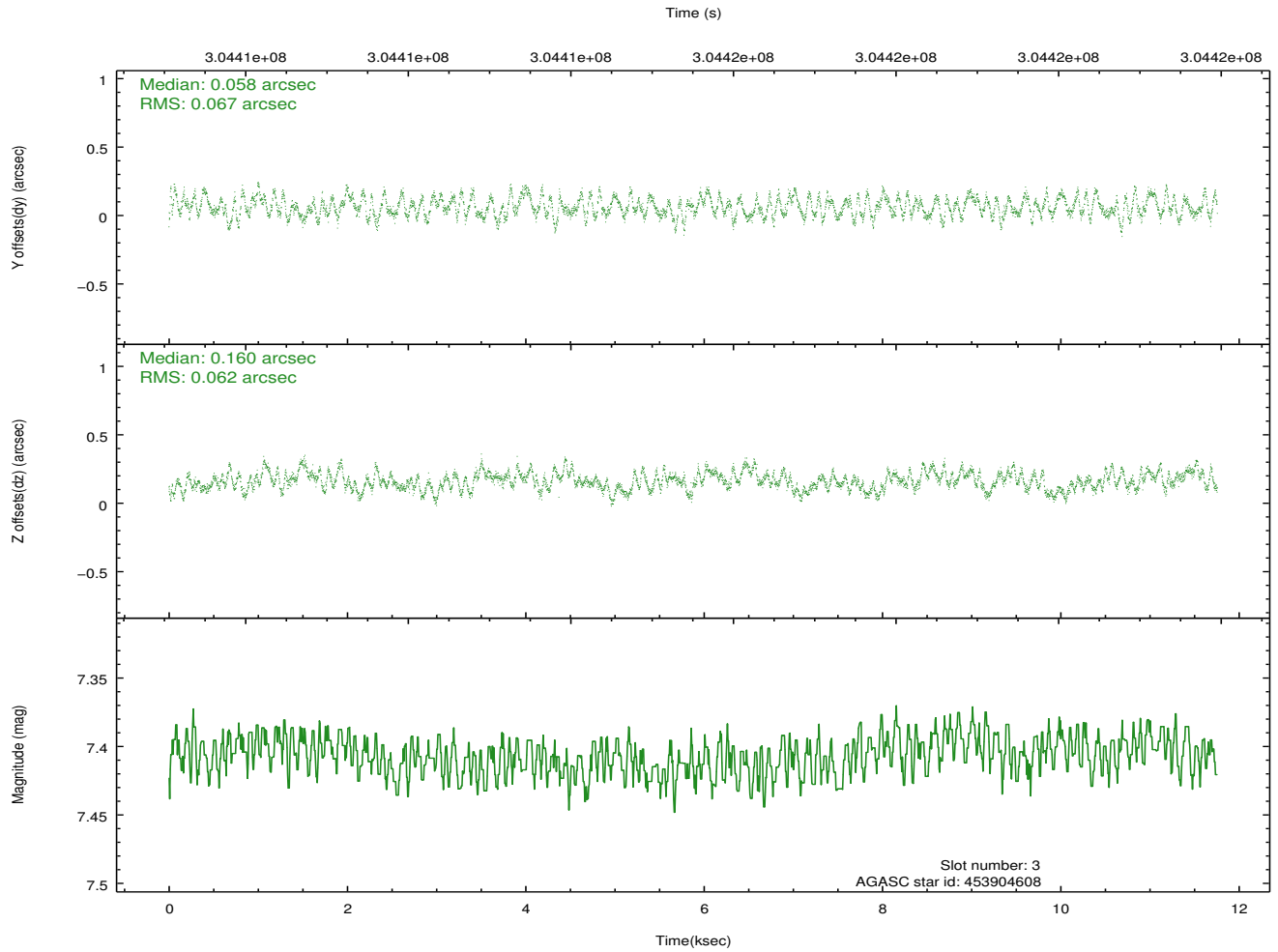
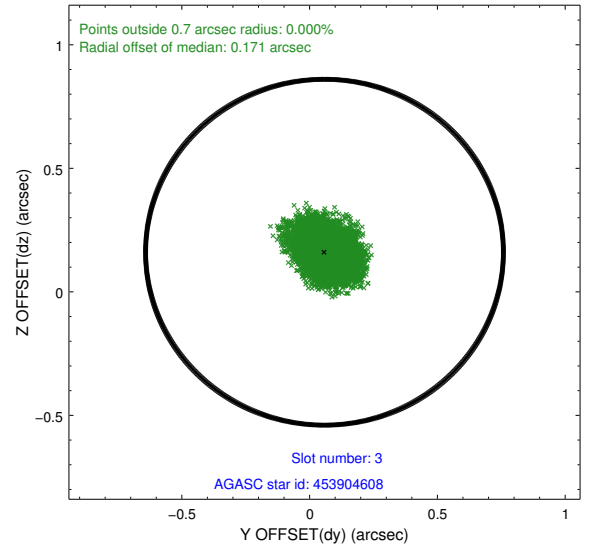
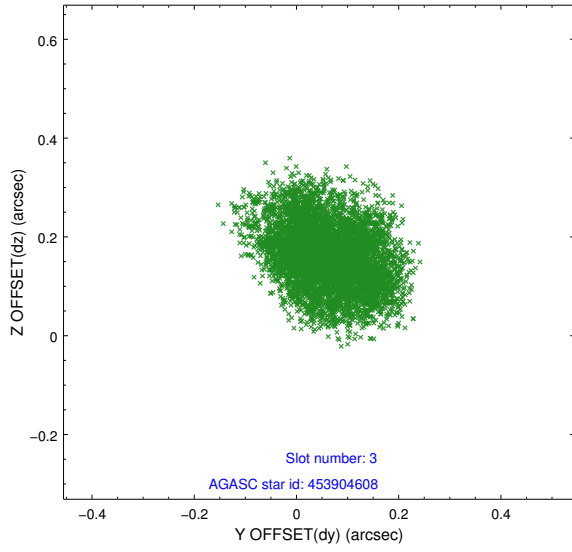


### Slot Statistics

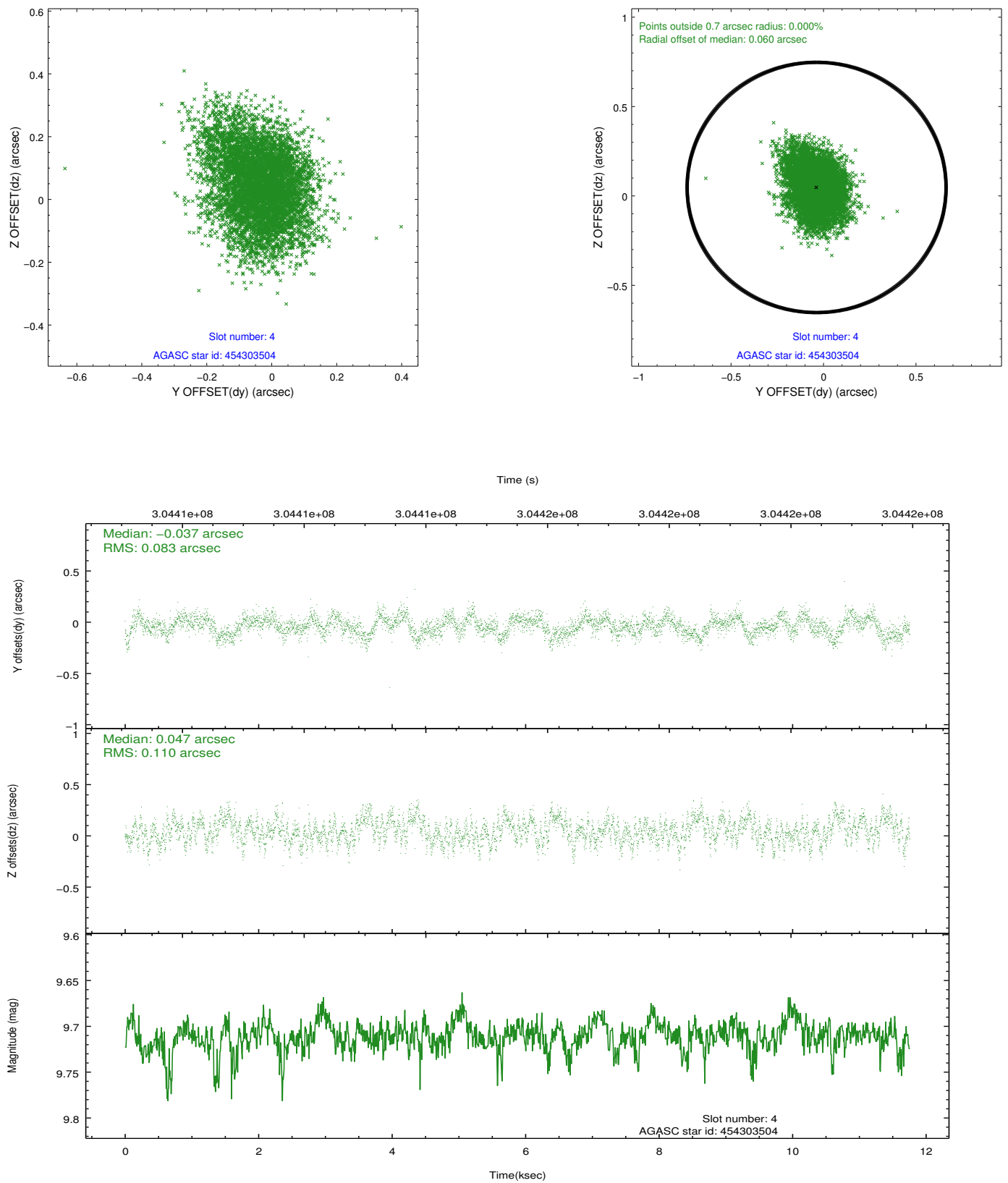
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	2868	-0.078	-0.028	0.008	0.014	0.000000	0.000000	-767.20	-1736.84
1	FID	ACIS-S-4	7.19	2867	0.210	0.045	0.006	0.011	0.000000	0.000000	2146.16	171.29
2	FID	ACIS-S-5	7.22	2867	-0.163	-0.008	0.008	0.013	0.000000	0.000000	-1819.59	165.37
3	GUIDE	453904608	7.41	5736	0.058	0.160	0.100	0.153	202.983748	47.234418	1443.75	-2218.51
4	GUIDE	454303504	9.71	5728	-0.037	0.047	0.146	0.239	202.757470	47.708424	-335.80	-2000.10
5	GUIDE	454305272	9.62	5729	0.109	-0.247	0.108	0.180	203.896781	47.532172	1390.59	250.07
6	GUIDE	454305328	8.97	5734	-0.086	-0.057	0.106	0.166	203.360224	48.175024	-1251.88	24.10
7	GUIDE	454302072	10.36	5720	-0.046	0.094	0.248	0.388	204.034444	48.180547	-604.89	1507.56

## 2.4 Star Slots

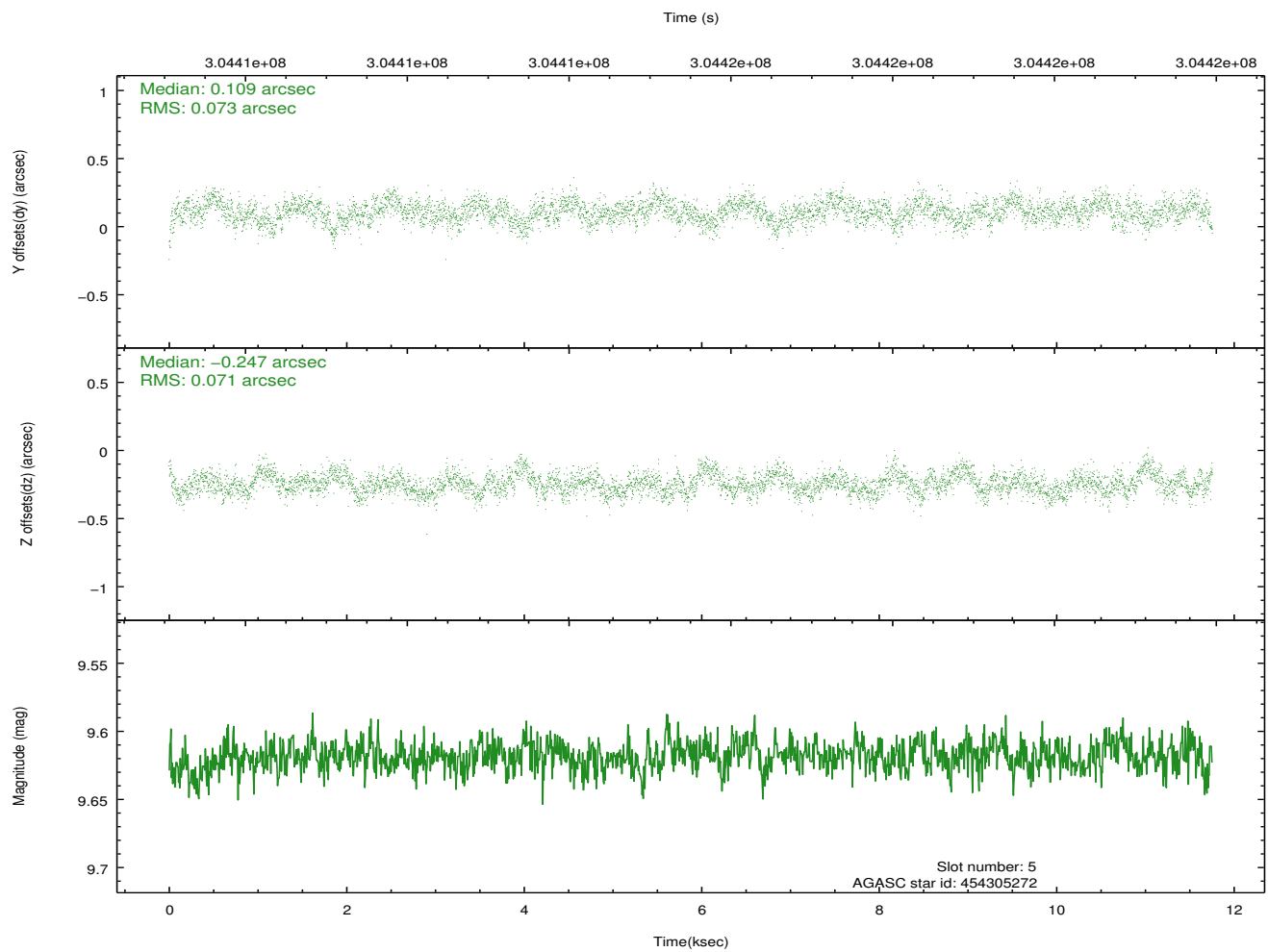
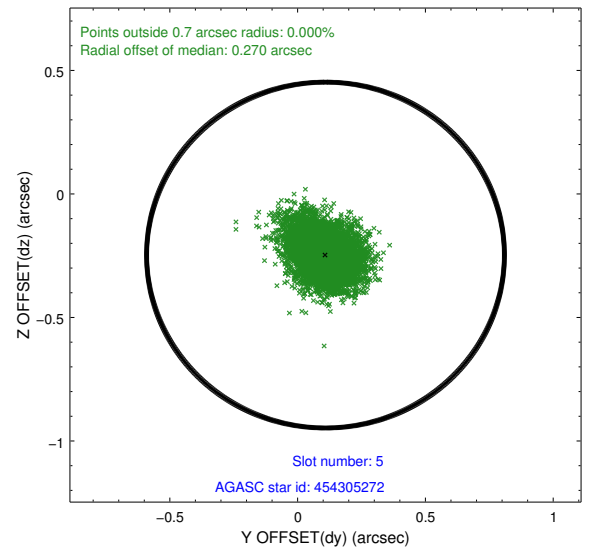
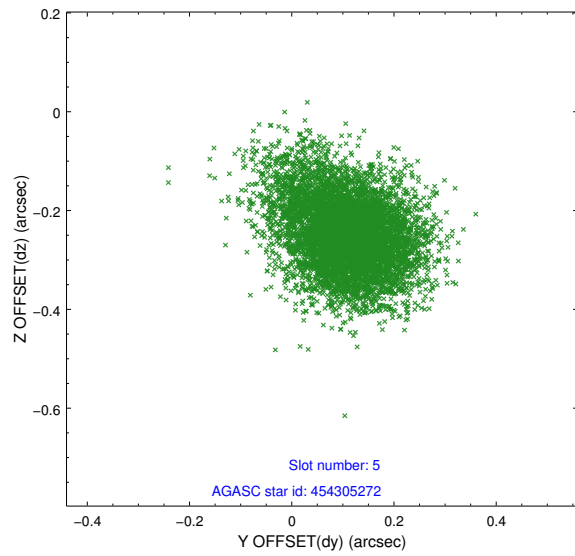
### 2.4.1 Slot 3



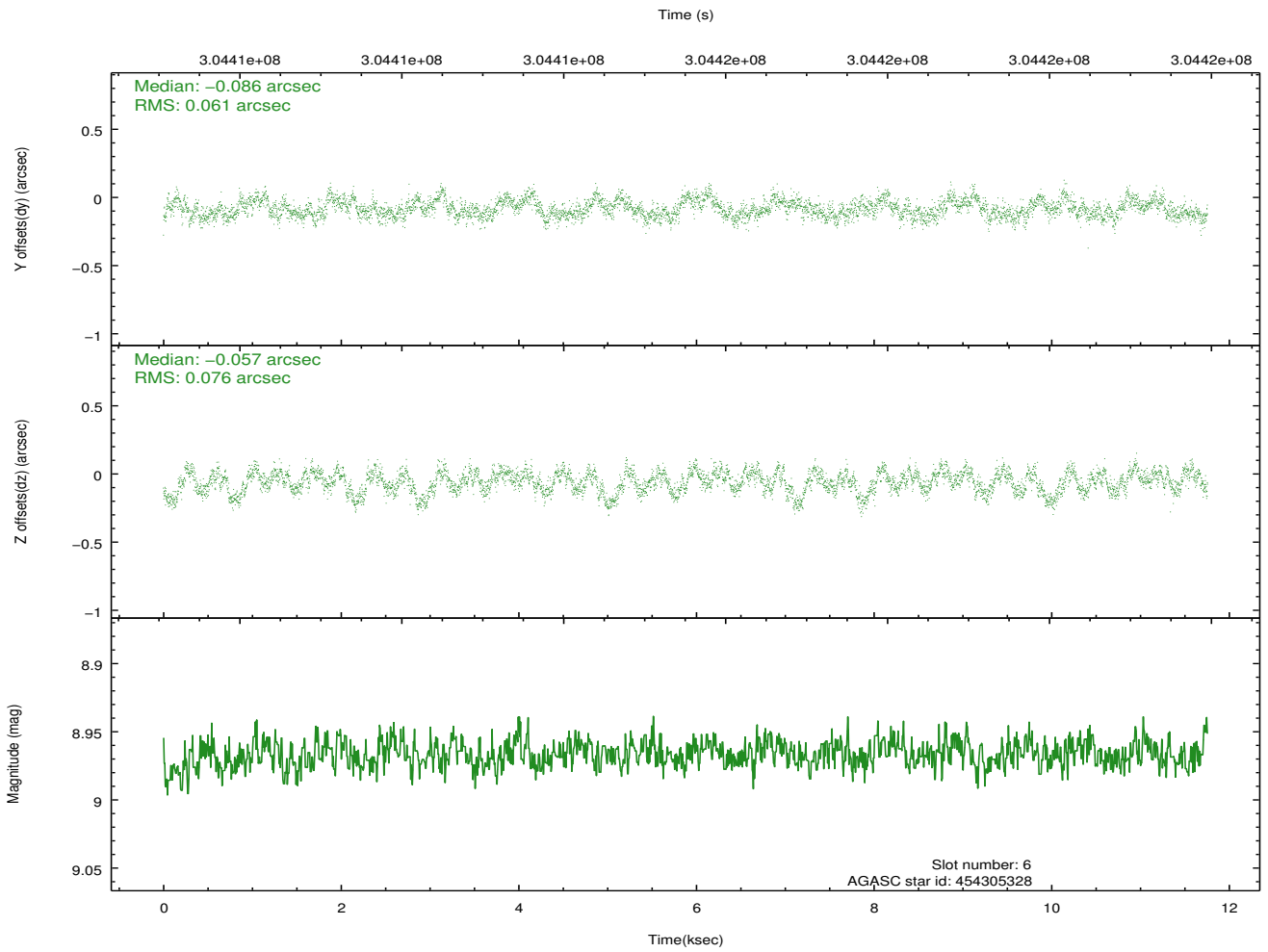
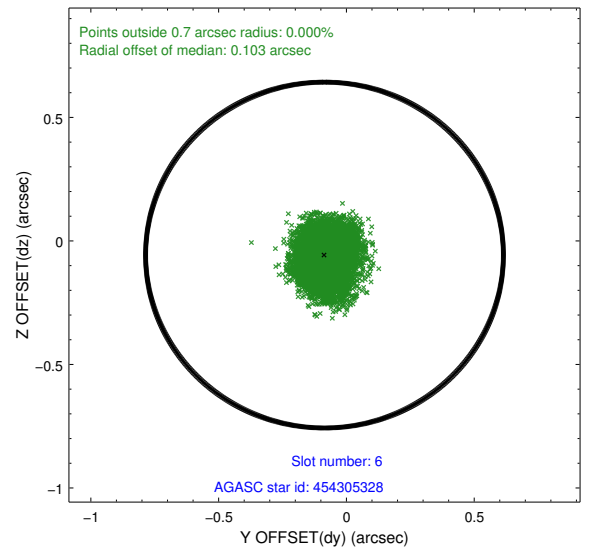
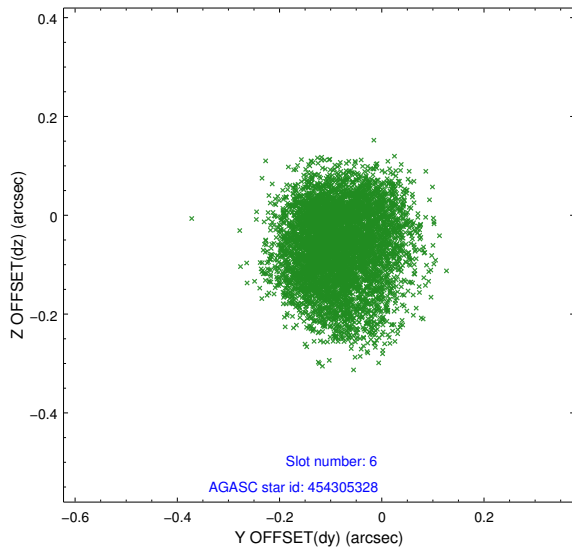
## 2.4.2 Slot 4



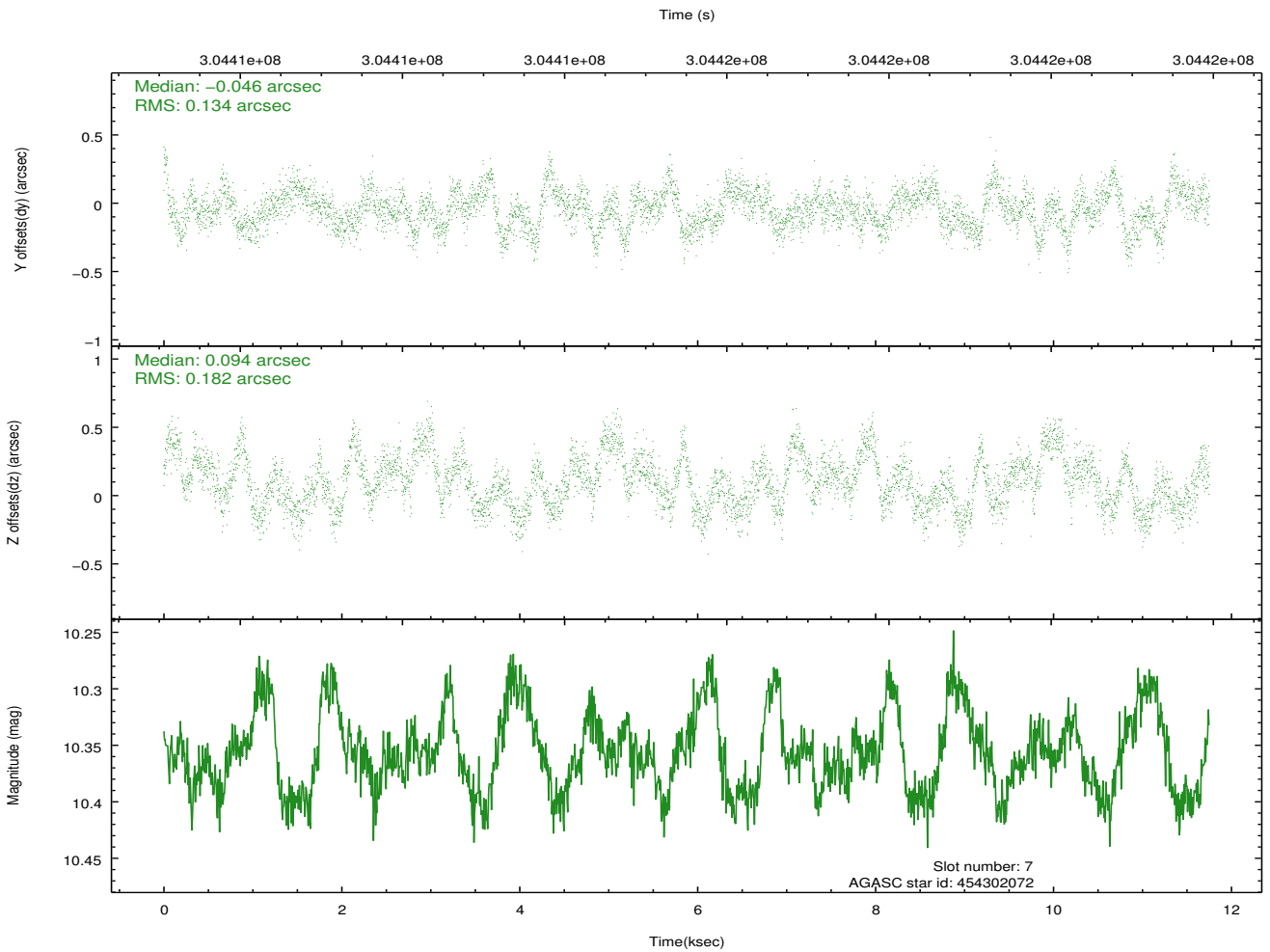
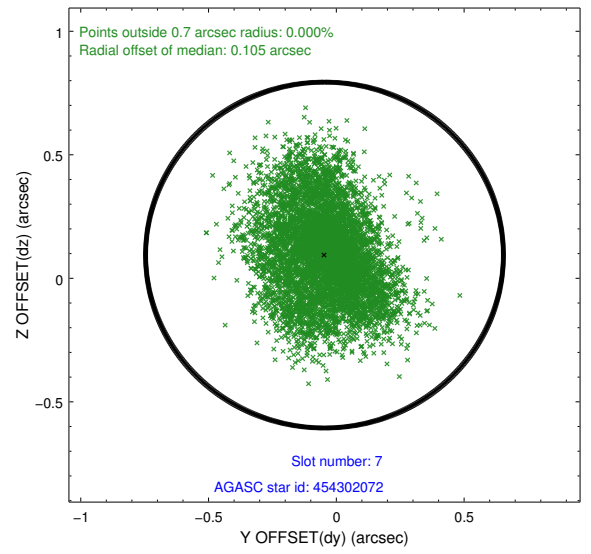
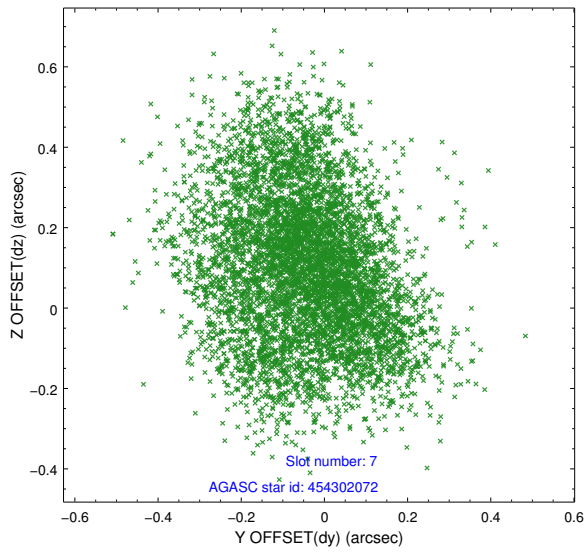
### 2.4.3 Slot 5



### 2.4.4 Slot 6

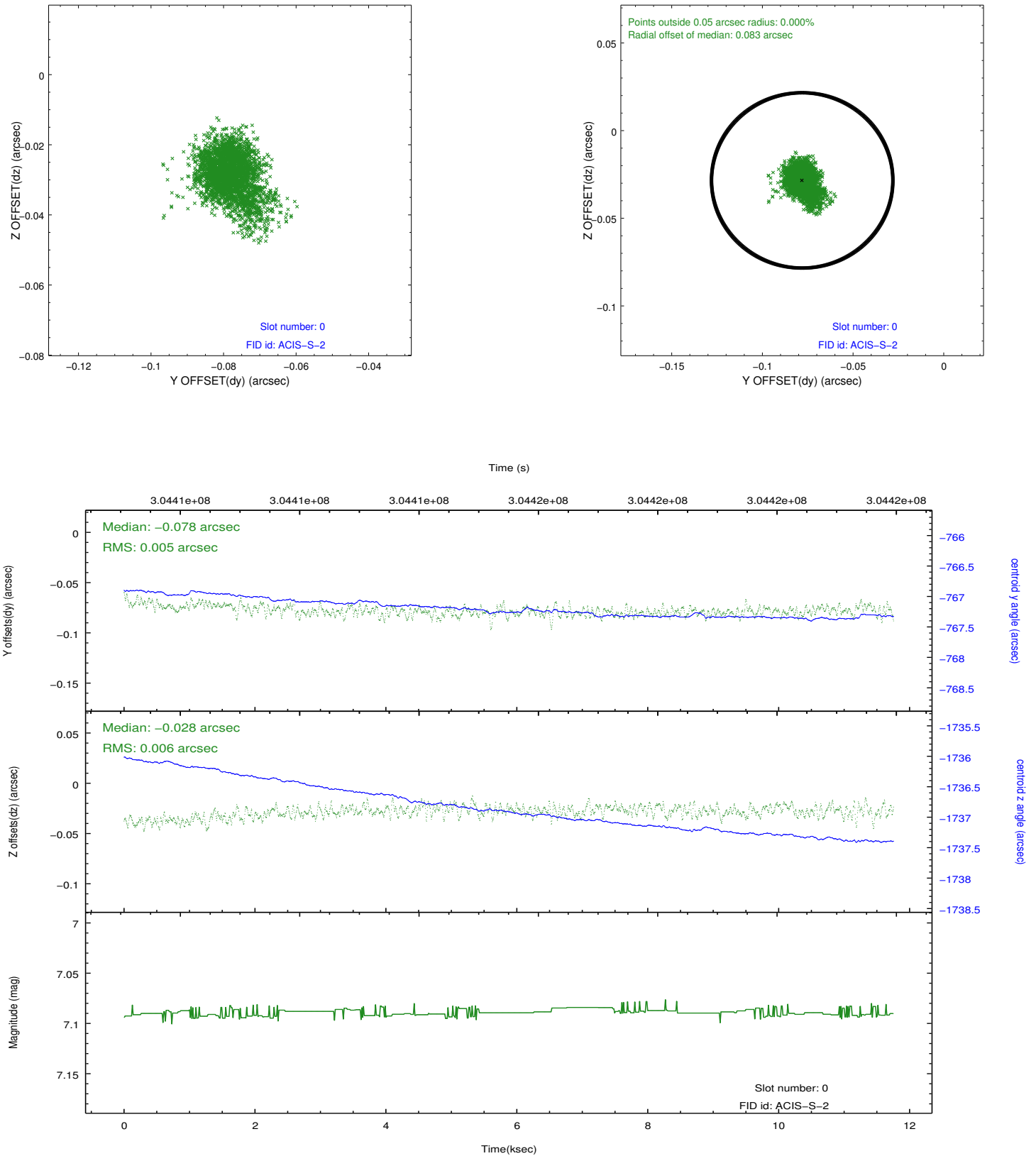


### 2.4.5 Slot 7

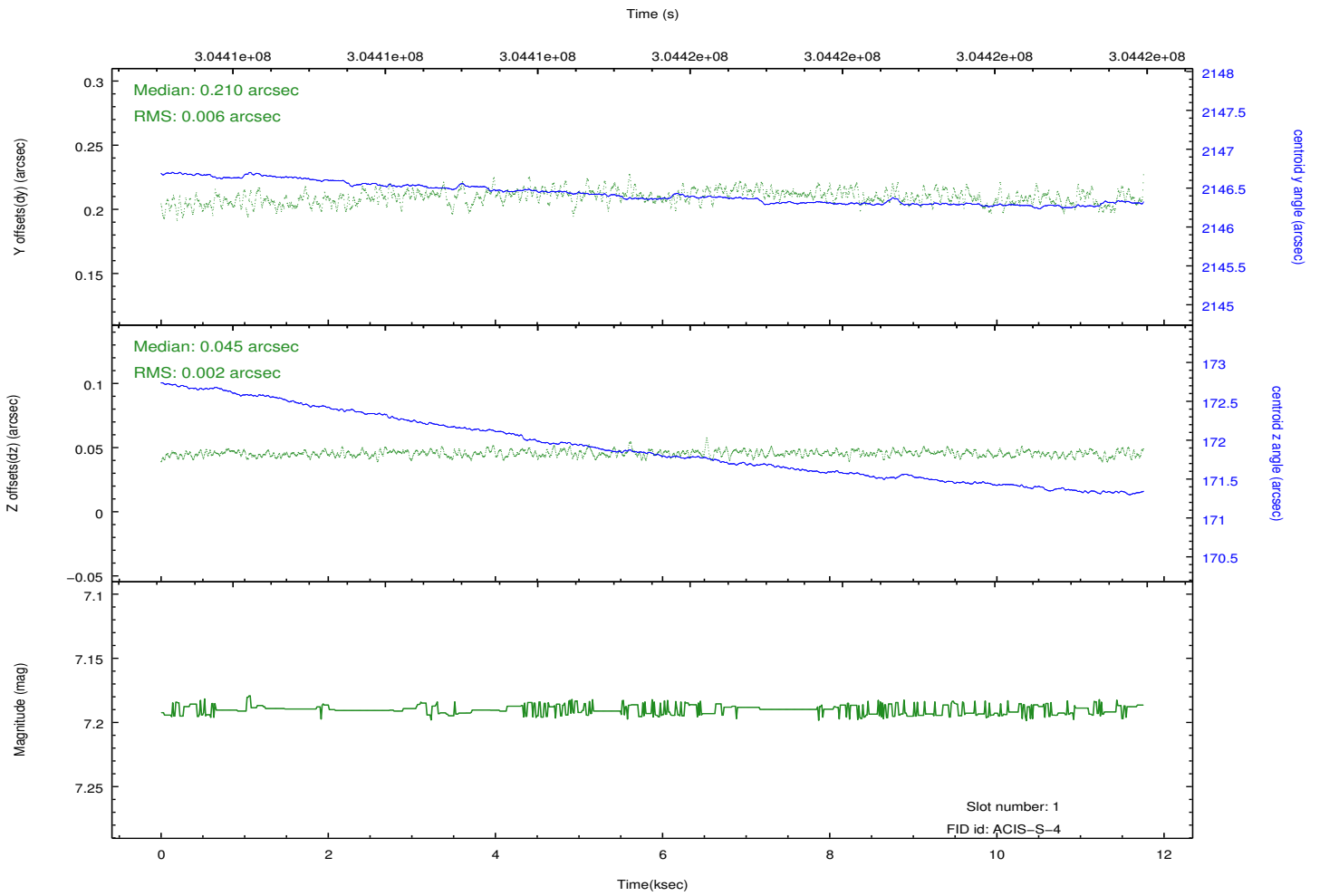
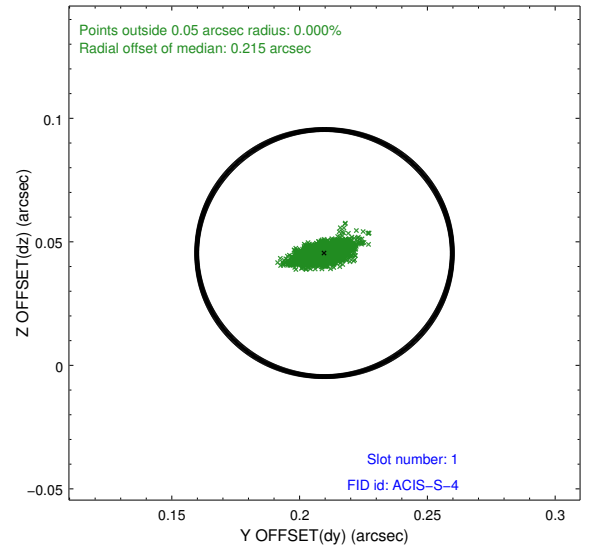
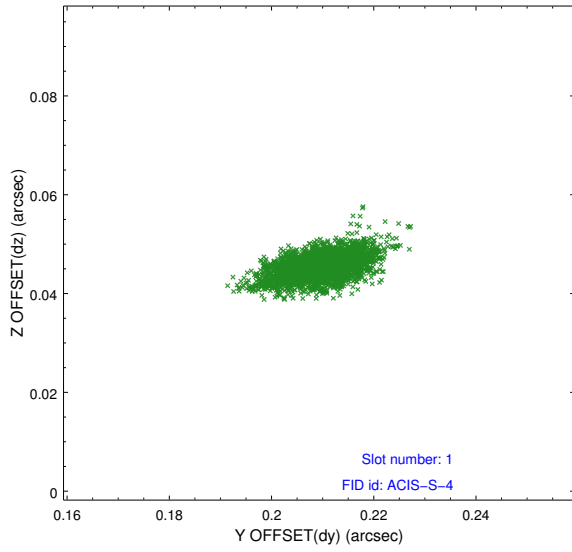


## 2.5 FID Slots

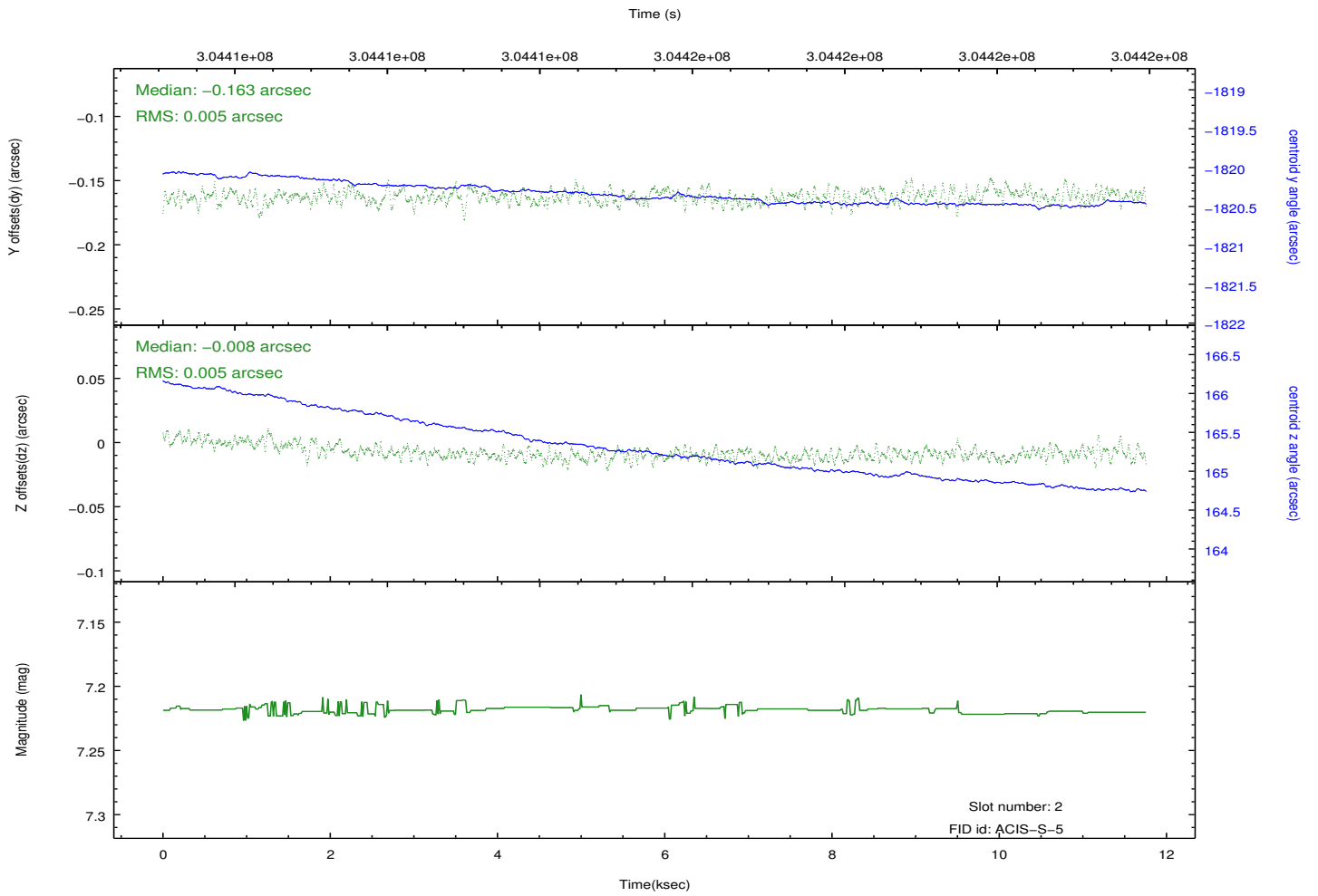
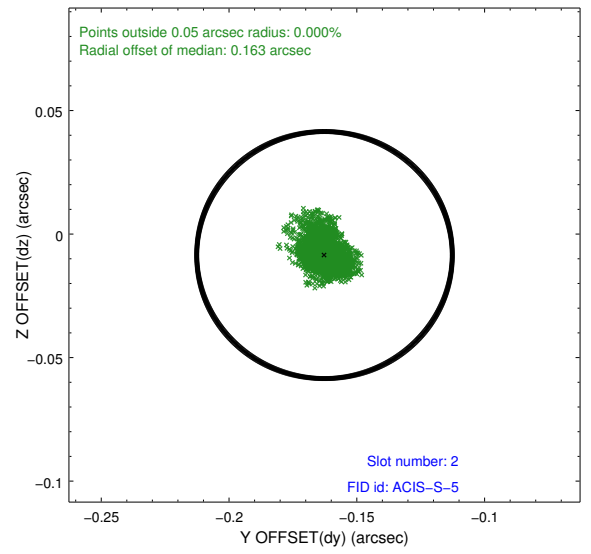
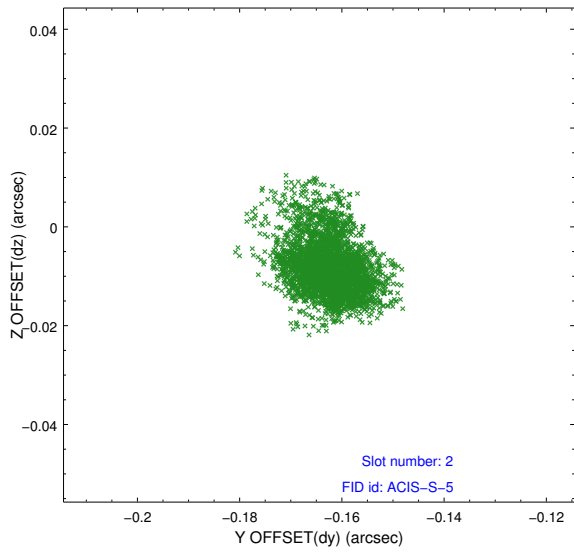
### 2.5.1 Slot 0



## 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)	2012.05.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	11.749

## A.2 Comments