

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 8257 - L2 Version 2  
Chandra X-Ray Center

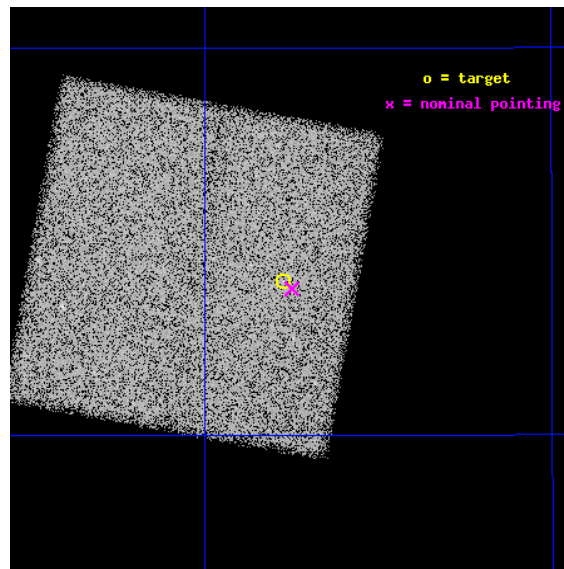
L2 Processing Date : Apr 25 2012

## 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

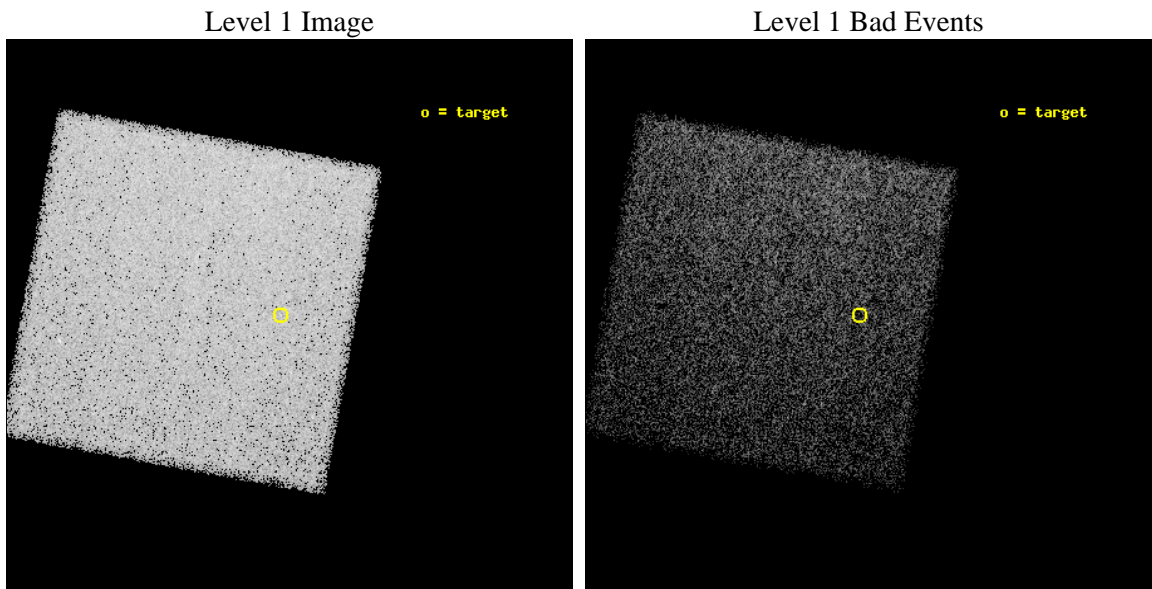
seq_num	701572	Sequence number
obs_id	8257	Observation id
title	A snapshot X-ray/radio survey of AGNs selected from the long menu of SDSS galaxies	Proposal title
observer	Dr. Sebastian Heinz	Principal investigator
object	4C52.37	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	240.693292	Observer's specified target RA [deg]
dec_targ	52.7329	Observer's specified target Dec [deg]
ra_nom	240.68731451374	Nominal RA [deg]
dec_nom	52.729673454459	Nominal Dec [deg]
roll_nom	190.23432904169	Nominal Roll [deg]
revision	2	Processing version of data
ontime	20184.0	Sum of GTIs [s]
liveltime	19911.609186331	Livetime [s]
ontime7	20184.0	Sum of GTIs [s]
l2events	105797	Number of level 2 events



## 2 OBI

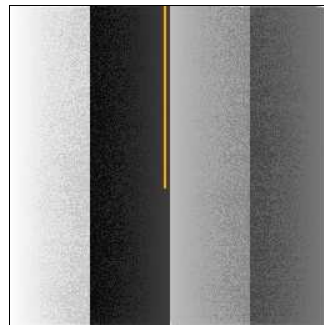
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	20184.0	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime7	20184.0	Sum of GTIs [s]
date	2012-04-25T20:48:33	Date and time of file creation	l1events	261165	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

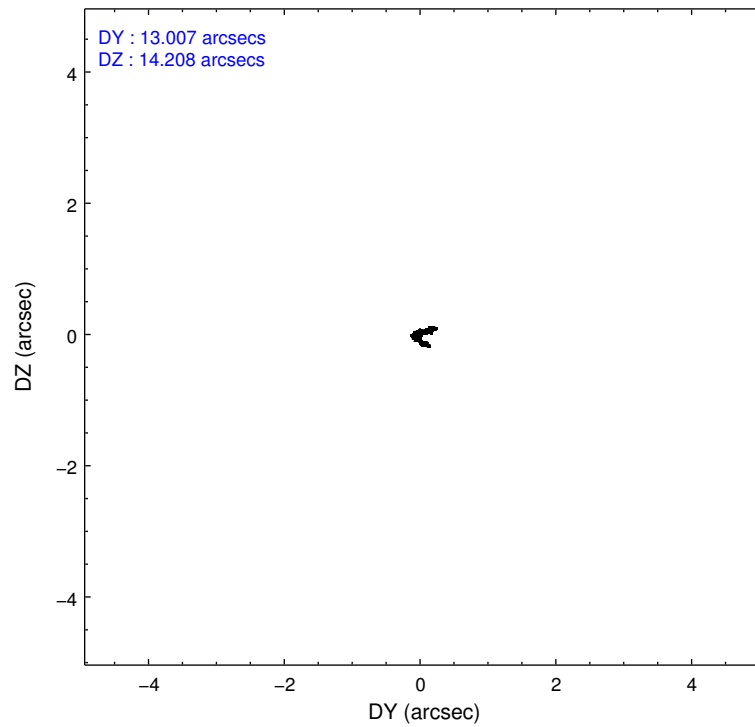
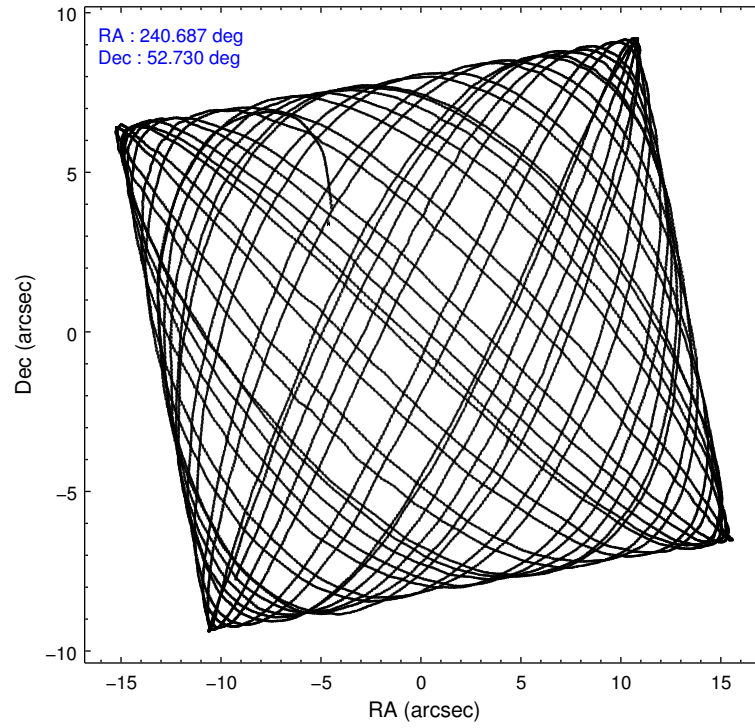
	<b>ccd 7</b>
level 1 events	261165
rejected events	152821
rejected %	<b>58%</b>

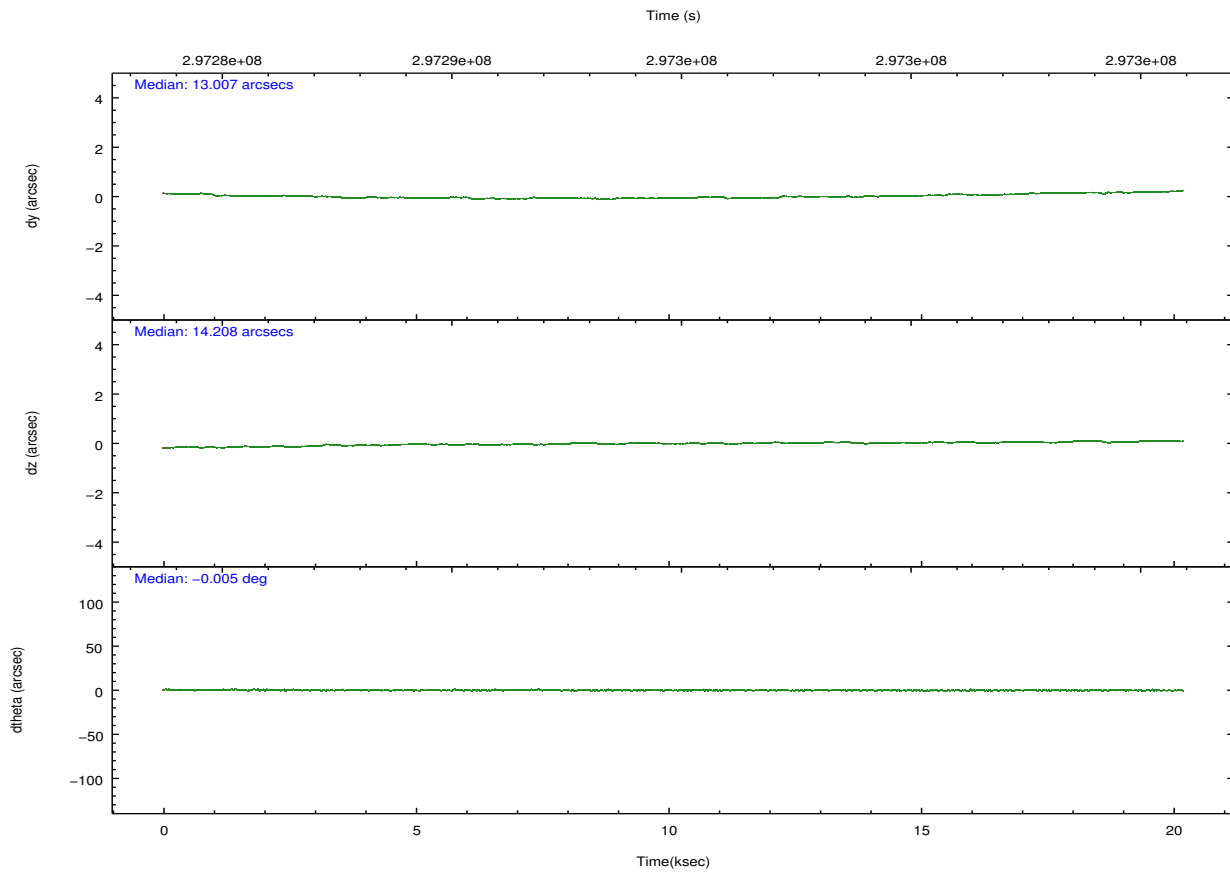
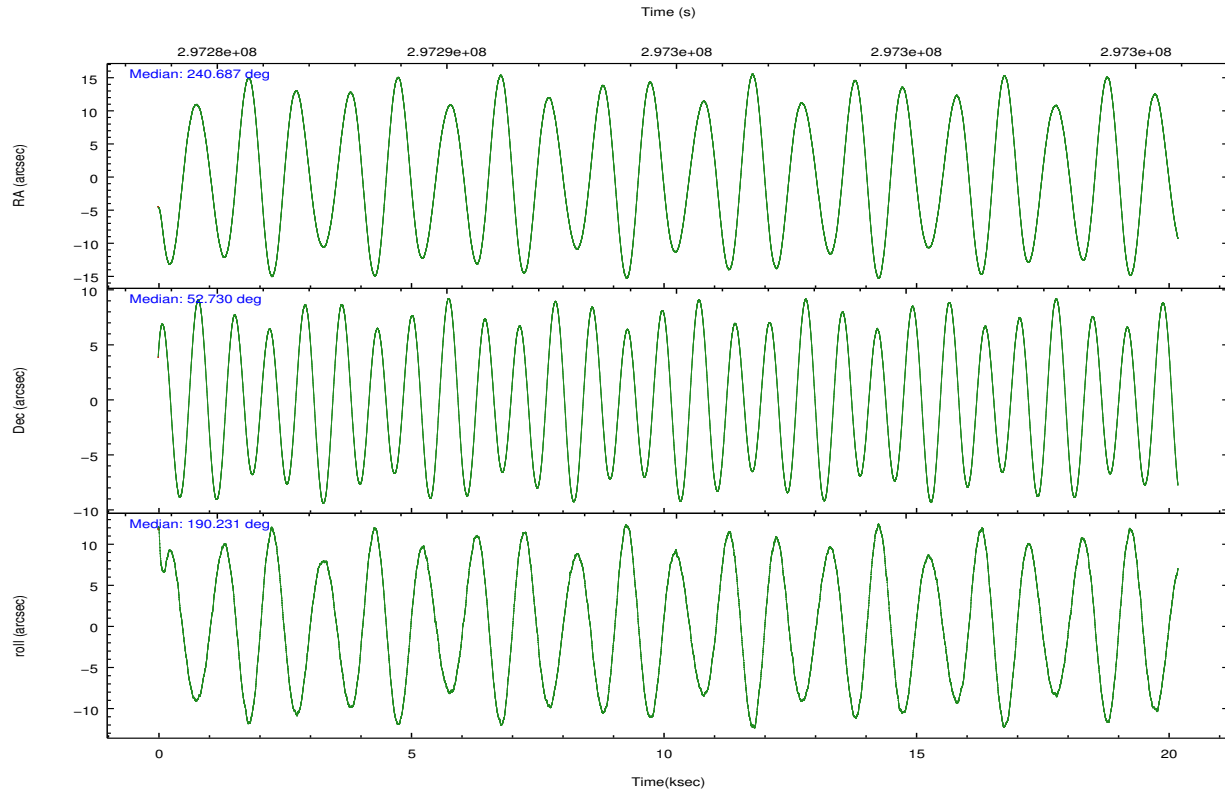
	<b>ccd 7</b>
grade 0 events	9529
	3%
grade 1 events	230
	0%
grade 2 events	22299
	8%
grade 3 events	9409
	3%
grade 4 events	9284
	3%
grade 5 events	24201
	9%
grade 6 events	59402
	22%
grade 7 events	126811
	48%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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	240.721410	240.687314513743	Subarray requested	NONE	NONE
[deg] Pointing Dec	52.747601	52.72967345445883	Alternating exposures requested	N	N
[deg] Pointing Roll	190.050554	190.2343290416903	[s] Primary exposure time	0.000000	3
[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)	297284910.184000	297283991.36235			
Observation start date	2007-06-03T19:07:25	2007-06-03T18:53:11			
[s] Observation end time (MET)	297304910.184000	297305117.63836			
Observation end date	2007-06-04T00:40:45	2007-06-04T00:45:17			
Read mode	TIMED	TIMED			

## 2.3 Aspect



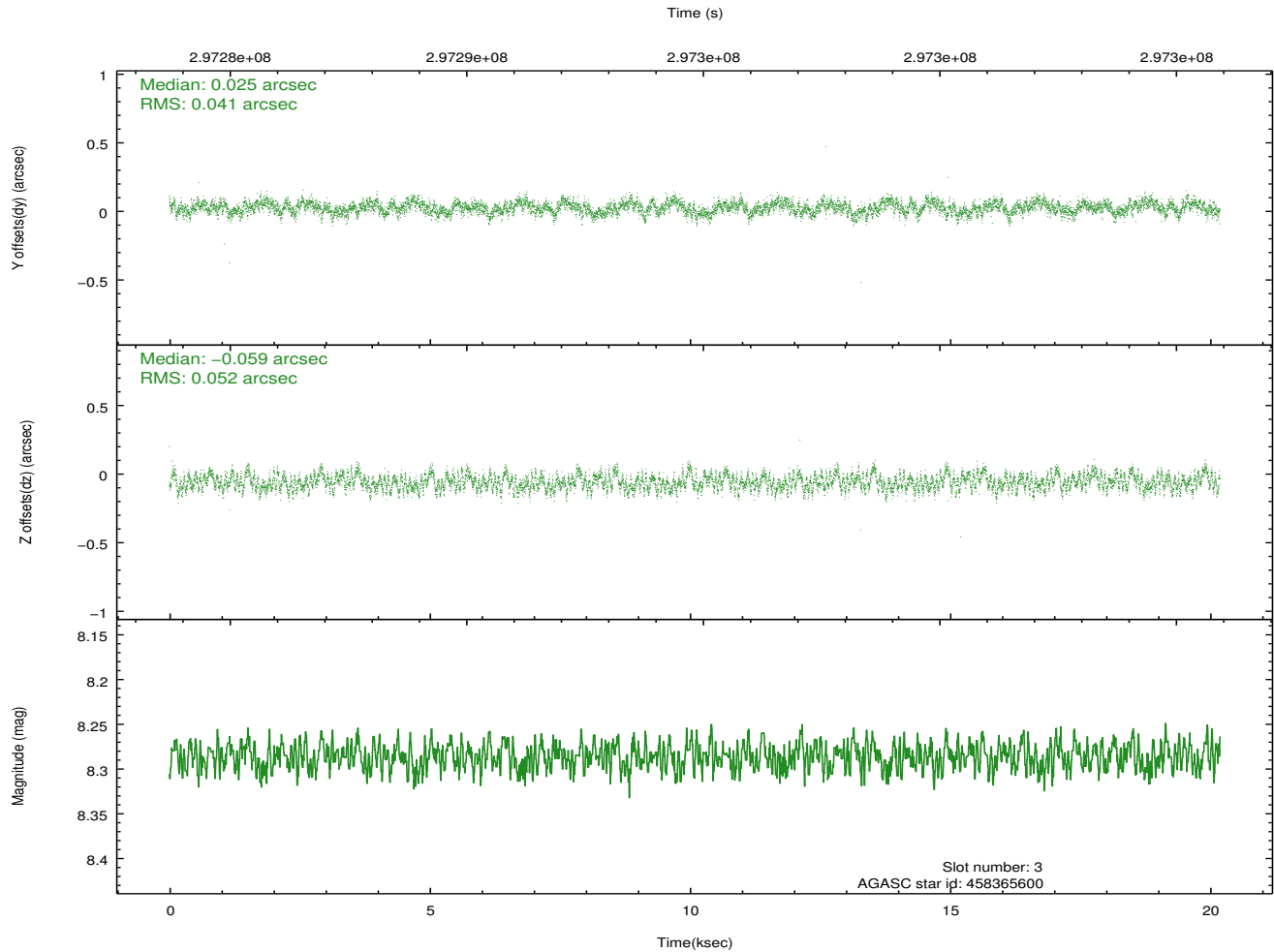
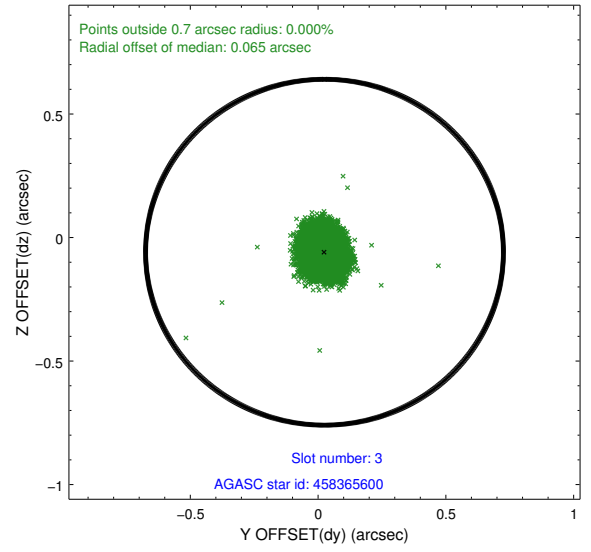
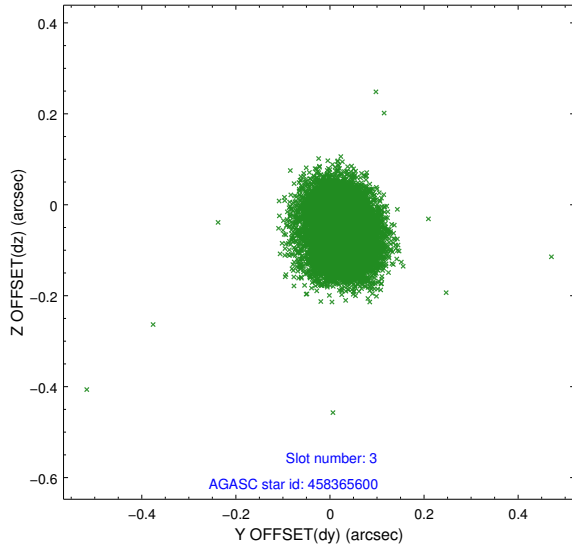


### Slot Statistics

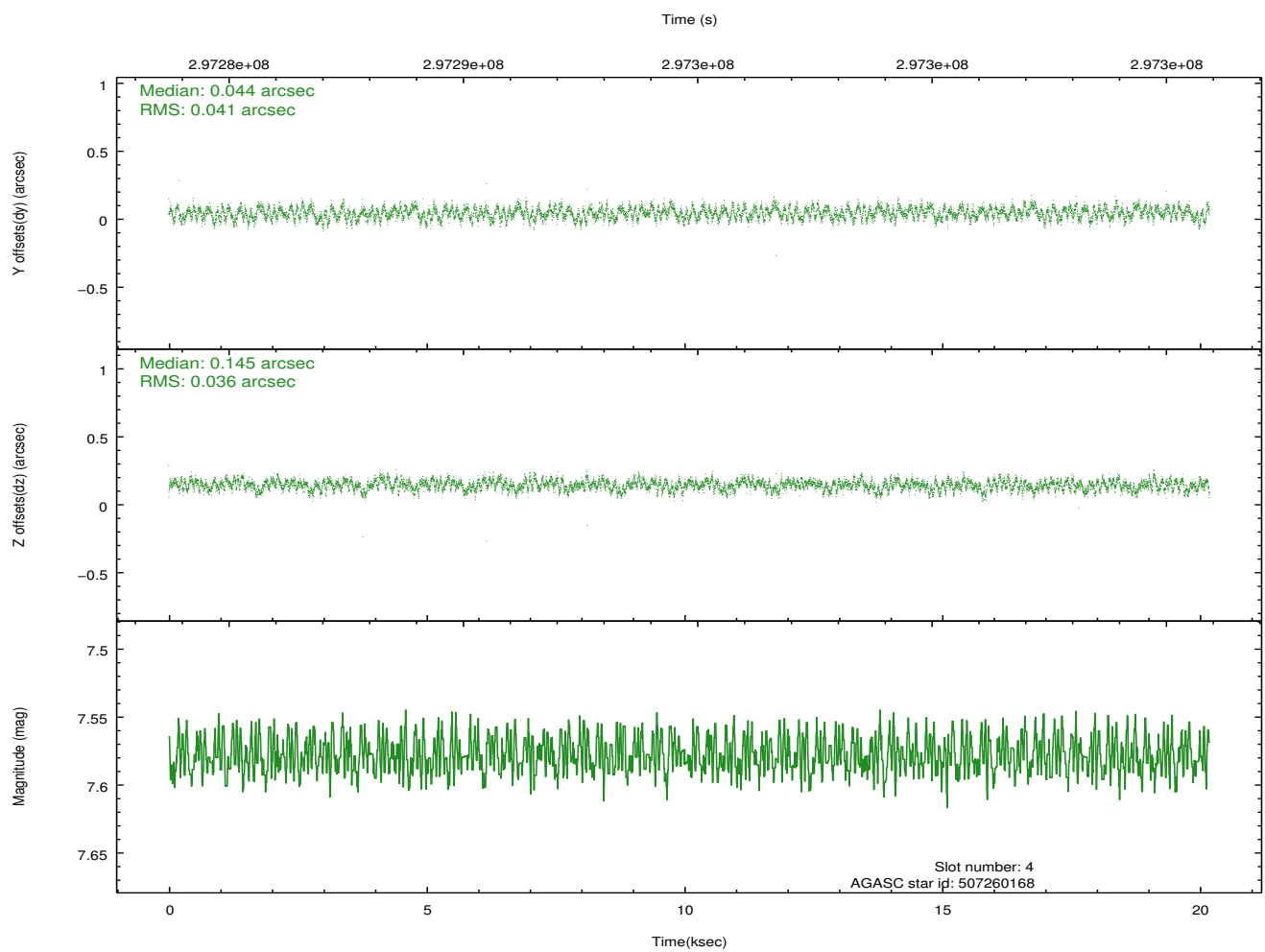
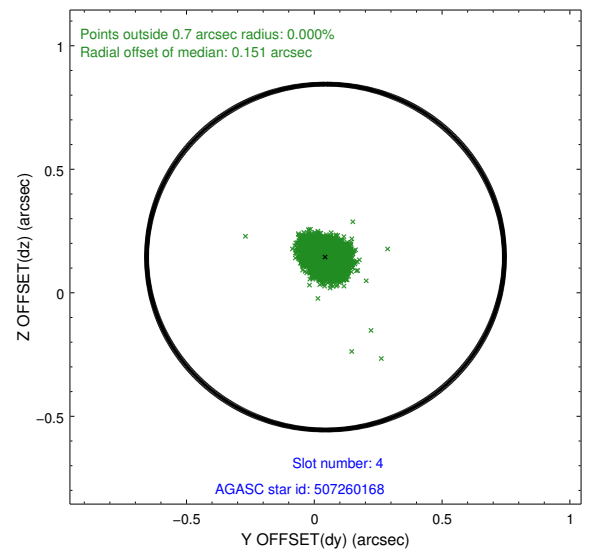
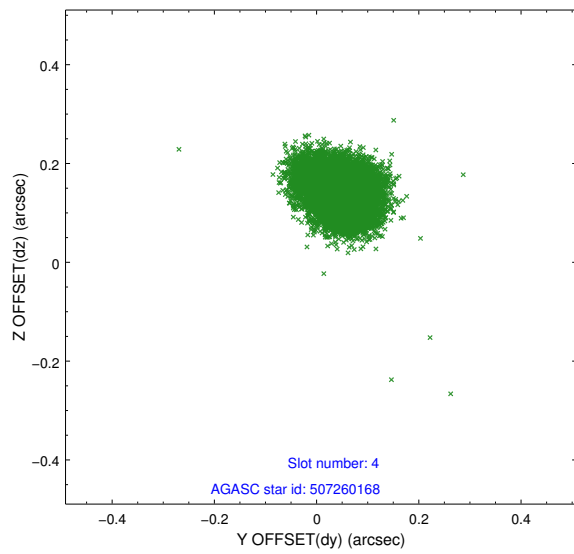
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	4924	-0.045	-0.056	0.007	0.012	0.000000	0.000000	-765.97	-1735.61
1	FID	ACIS-S-4	7.19	4925	0.177	0.037	0.007	0.014	0.000000	0.000000	2147.43	172.80
2	FID	ACIS-S-5	7.23	4925	-0.163	0.027	0.008	0.013	0.000000	0.000000	-1818.71	166.63
3	GUIDE	458365600	8.29	9849	0.025	-0.059	0.071	0.111	240.345854	52.119361	1211.56	2081.09
4	GUIDE	507260168	7.58	9850	0.044	0.145	0.058	0.090	239.904975	53.152942	1479.53	-1753.78
5	GUIDE	508174496	8.19	9847	0.063	0.064	0.069	0.112	241.573933	53.294304	-2150.69	-1628.30
6	GUIDE	508178016	8.01	9848	-0.015	-0.147	0.068	0.109	241.141174	52.727747	-888.96	227.35
7	GUIDE	508181792	8.44	9844	-0.111	-0.000	0.069	0.111	241.580704	53.515038	-2295.43	-2409.40

## 2.4 Star Slots

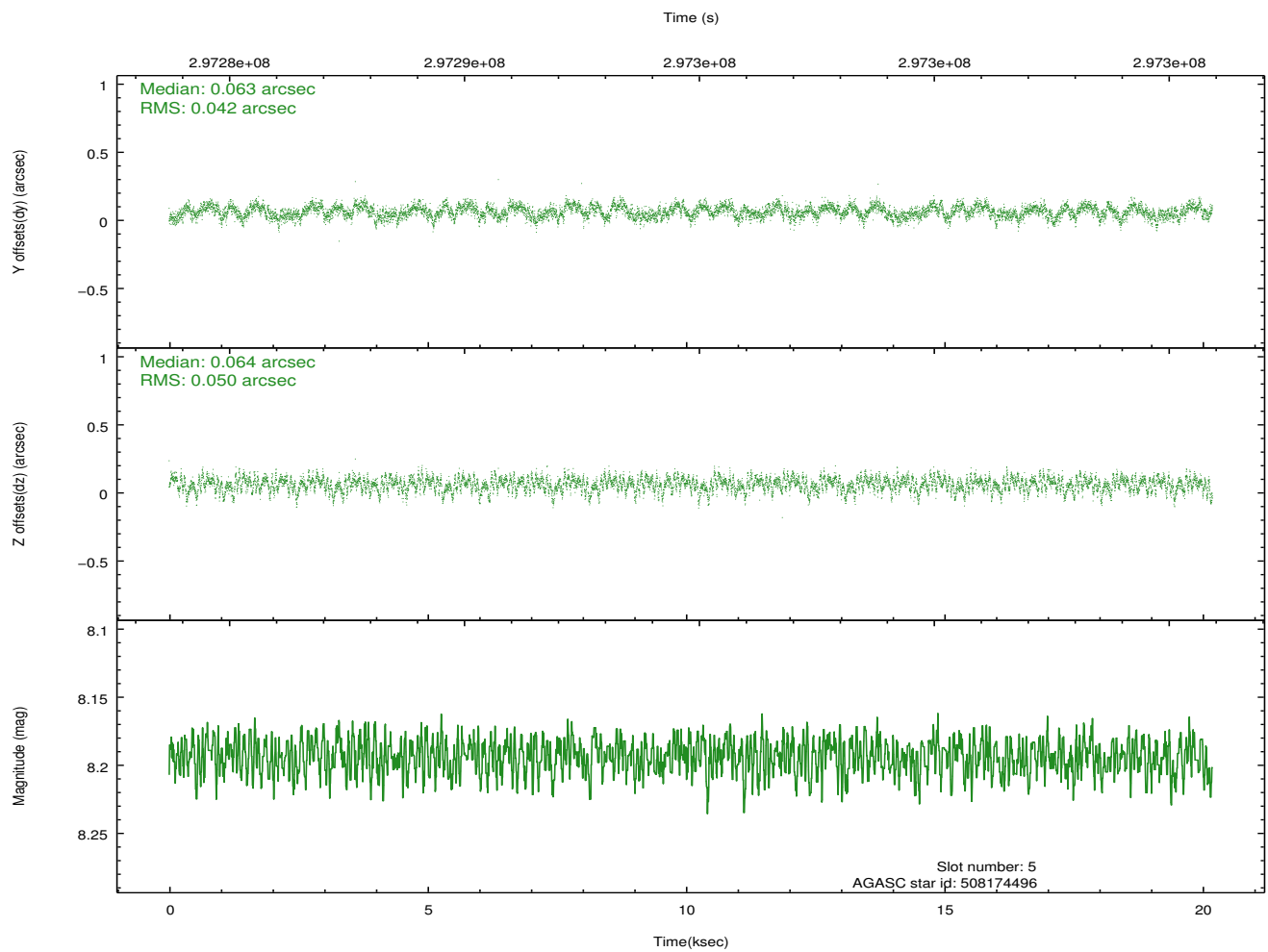
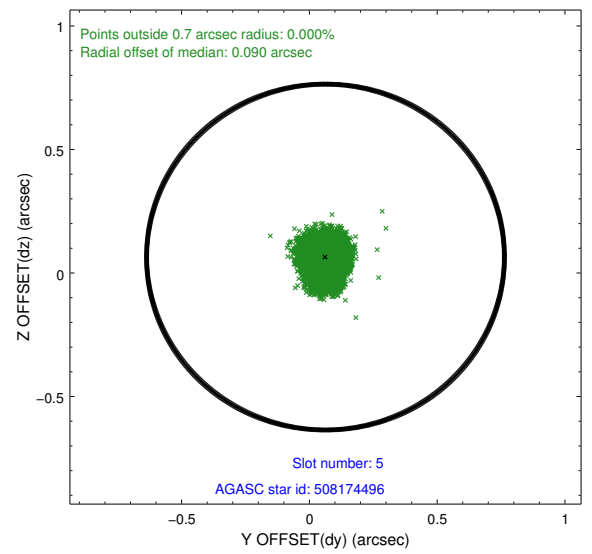
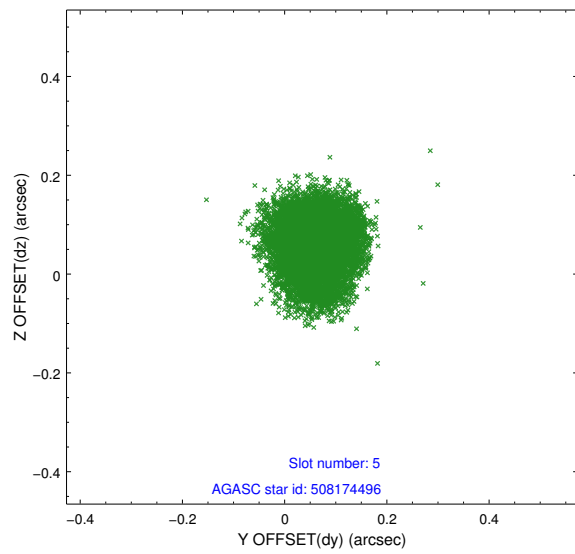
### 2.4.1 Slot 3



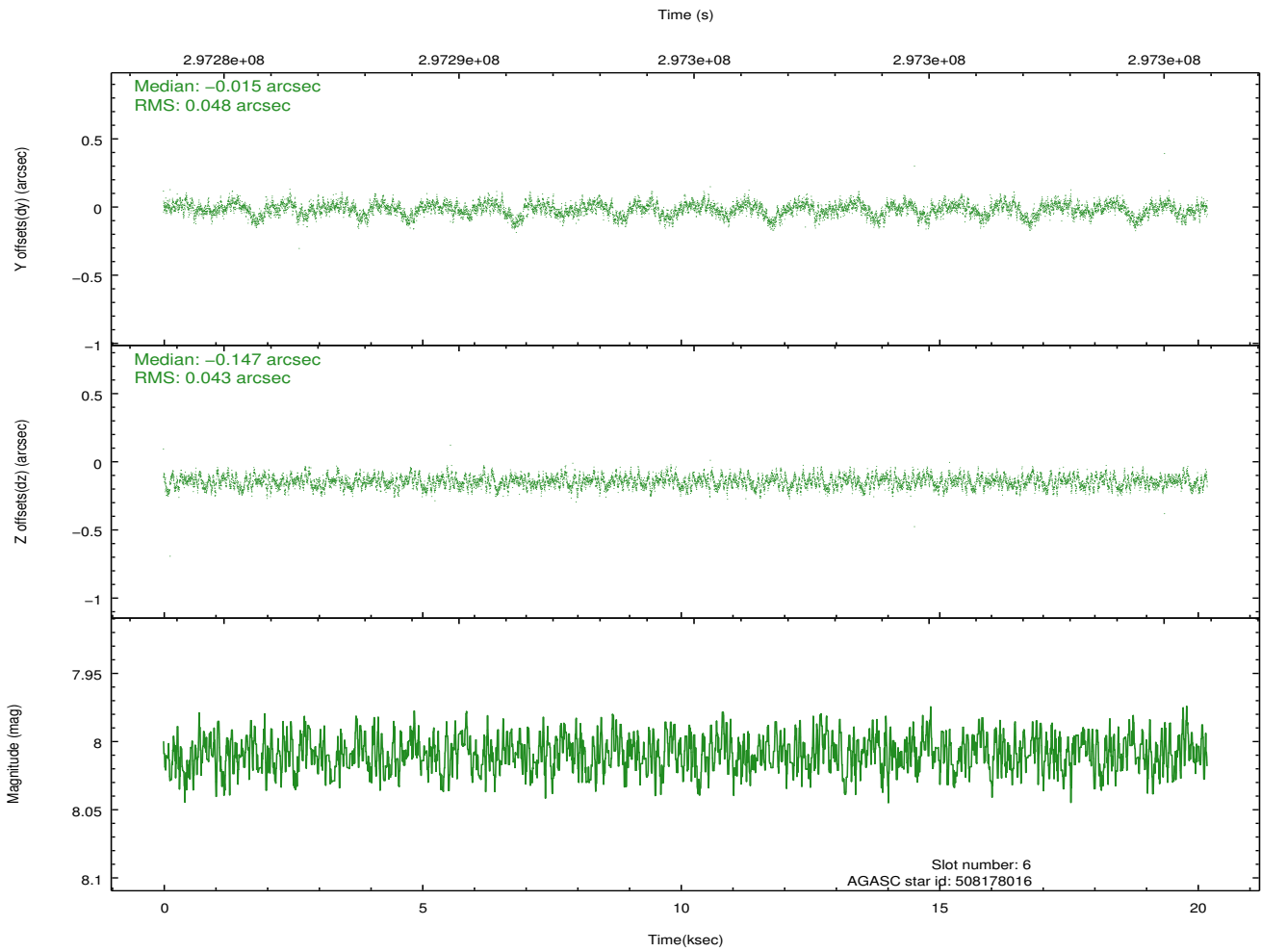
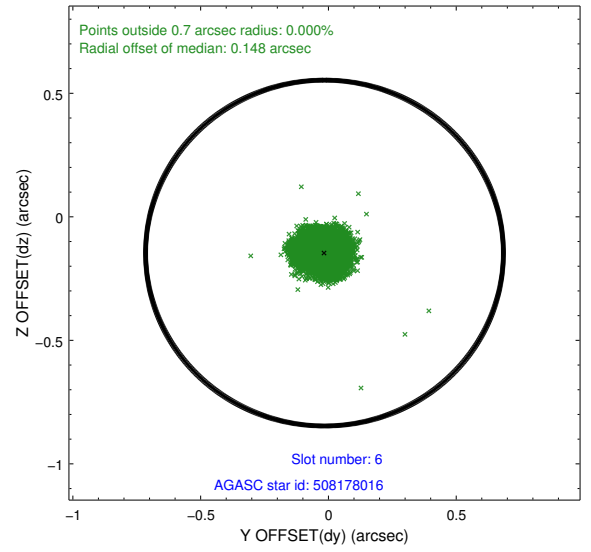
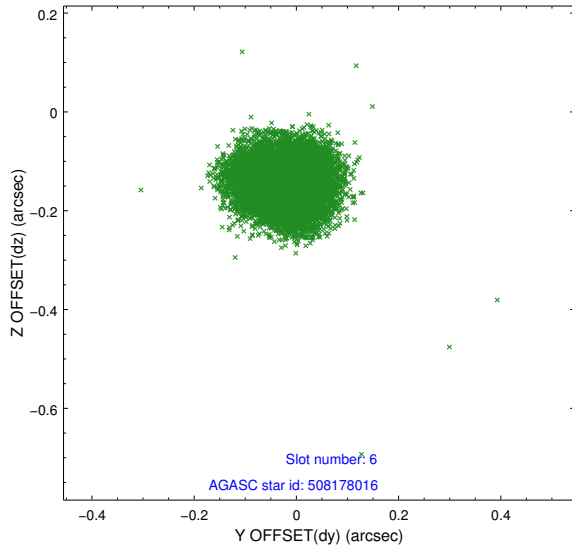
## 2.4.2 Slot 4



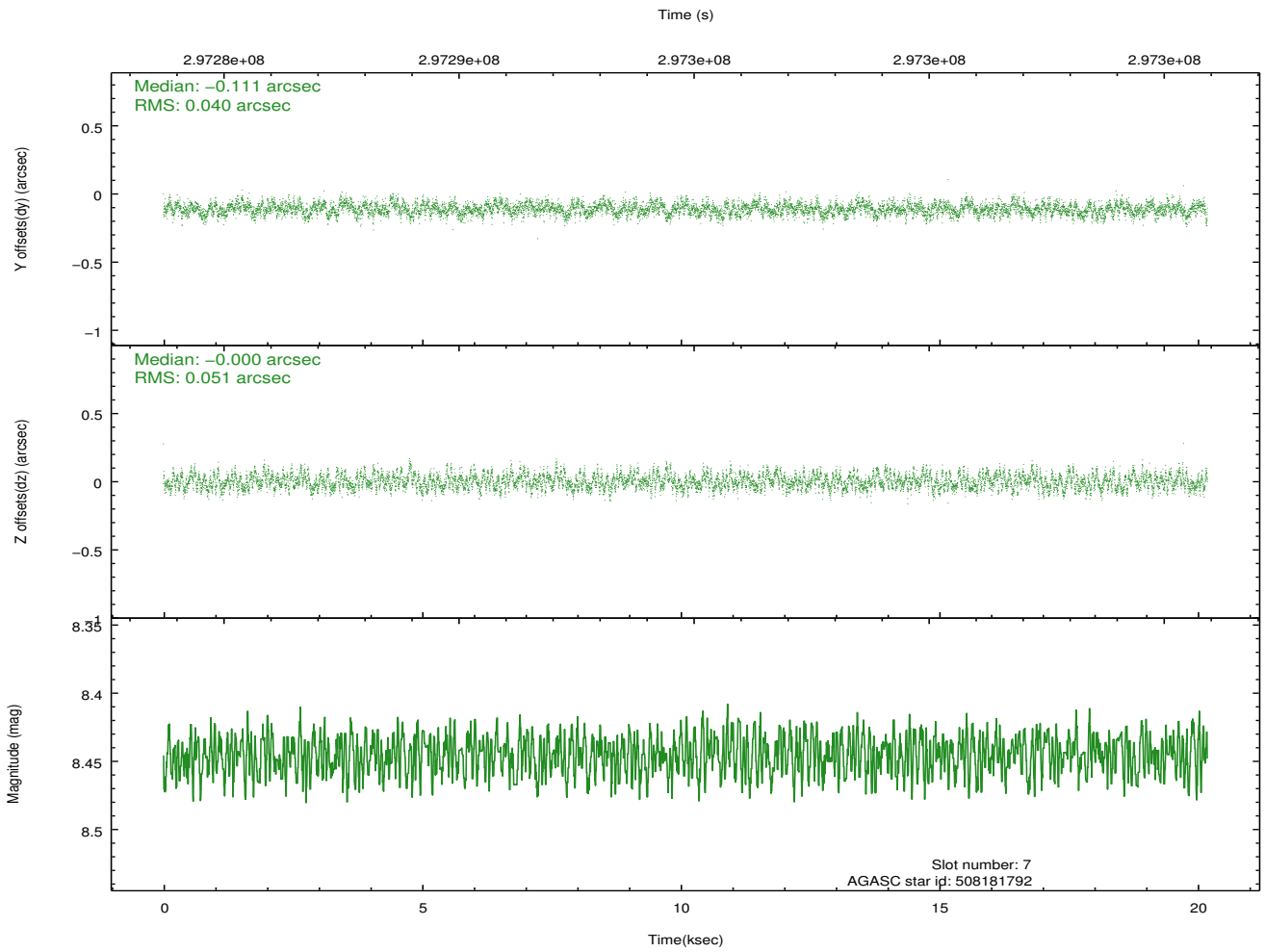
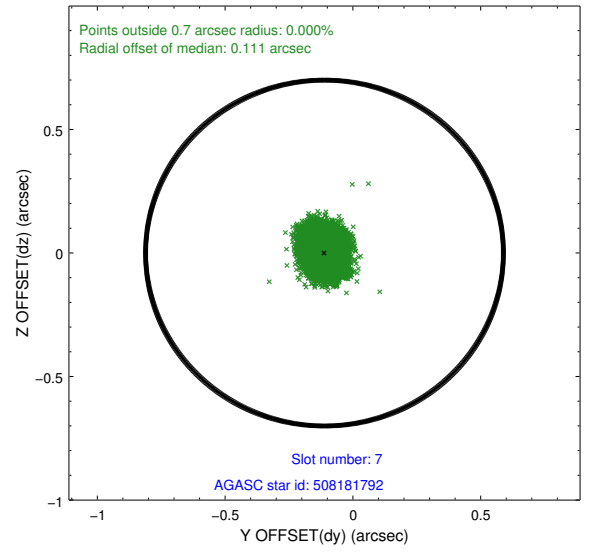
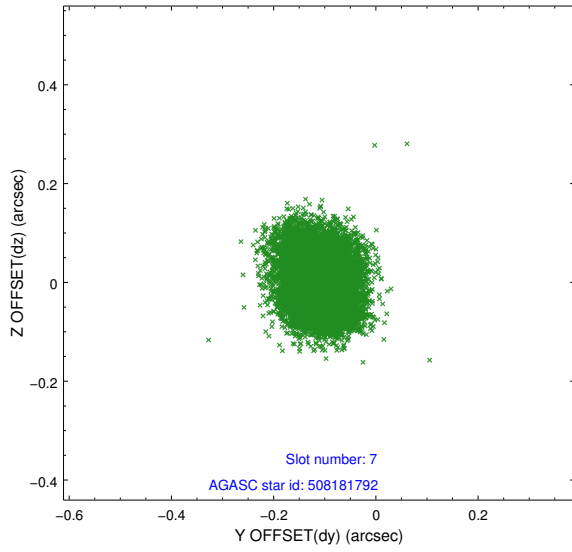
### 2.4.3 Slot 5



### 2.4.4 Slot 6

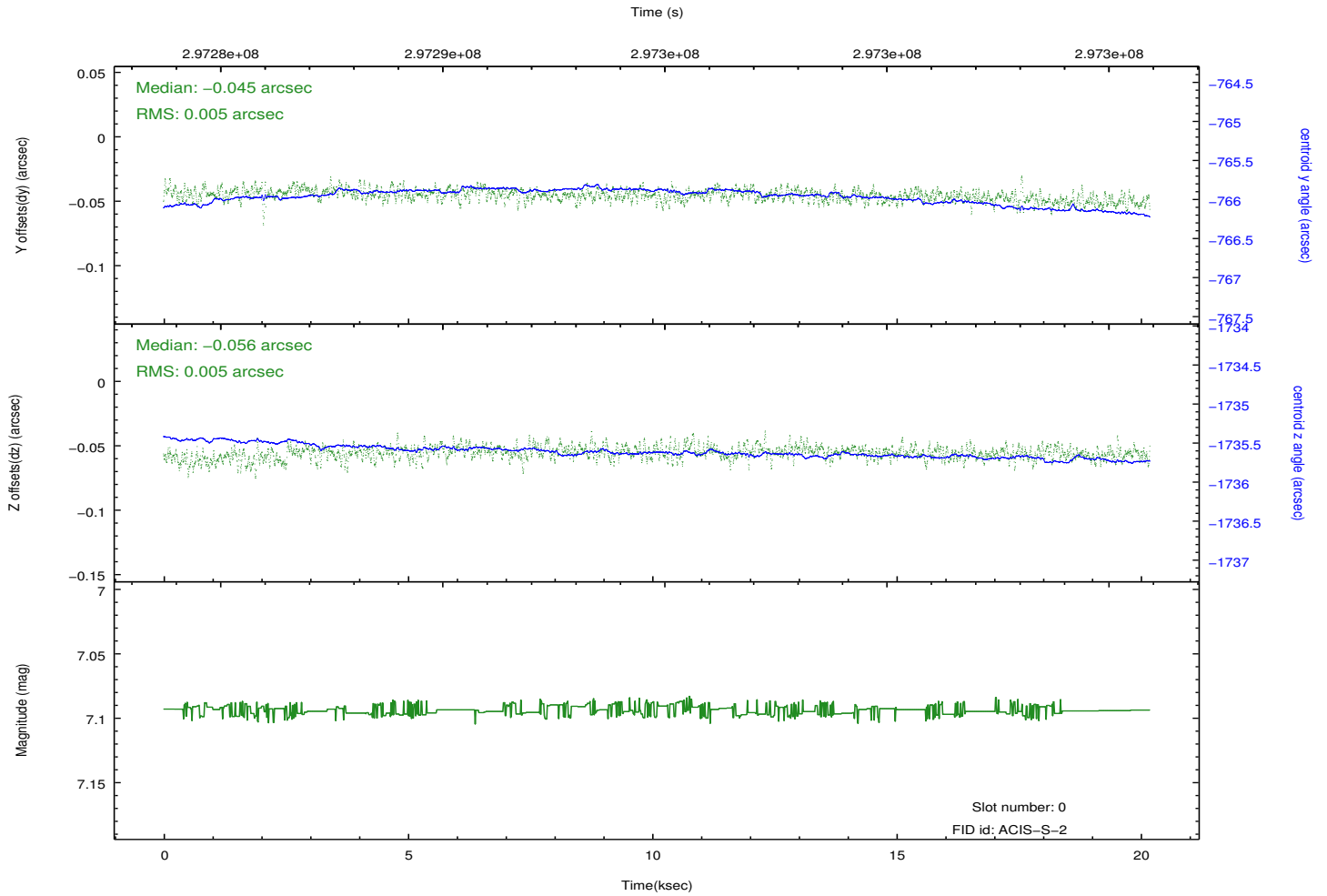
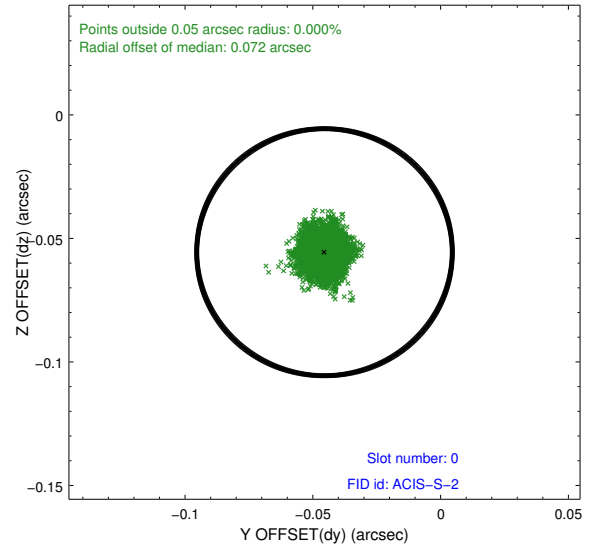
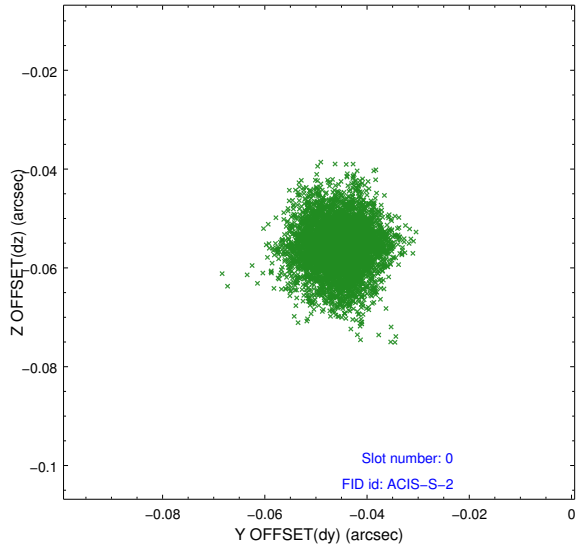


### 2.4.5 Slot 7

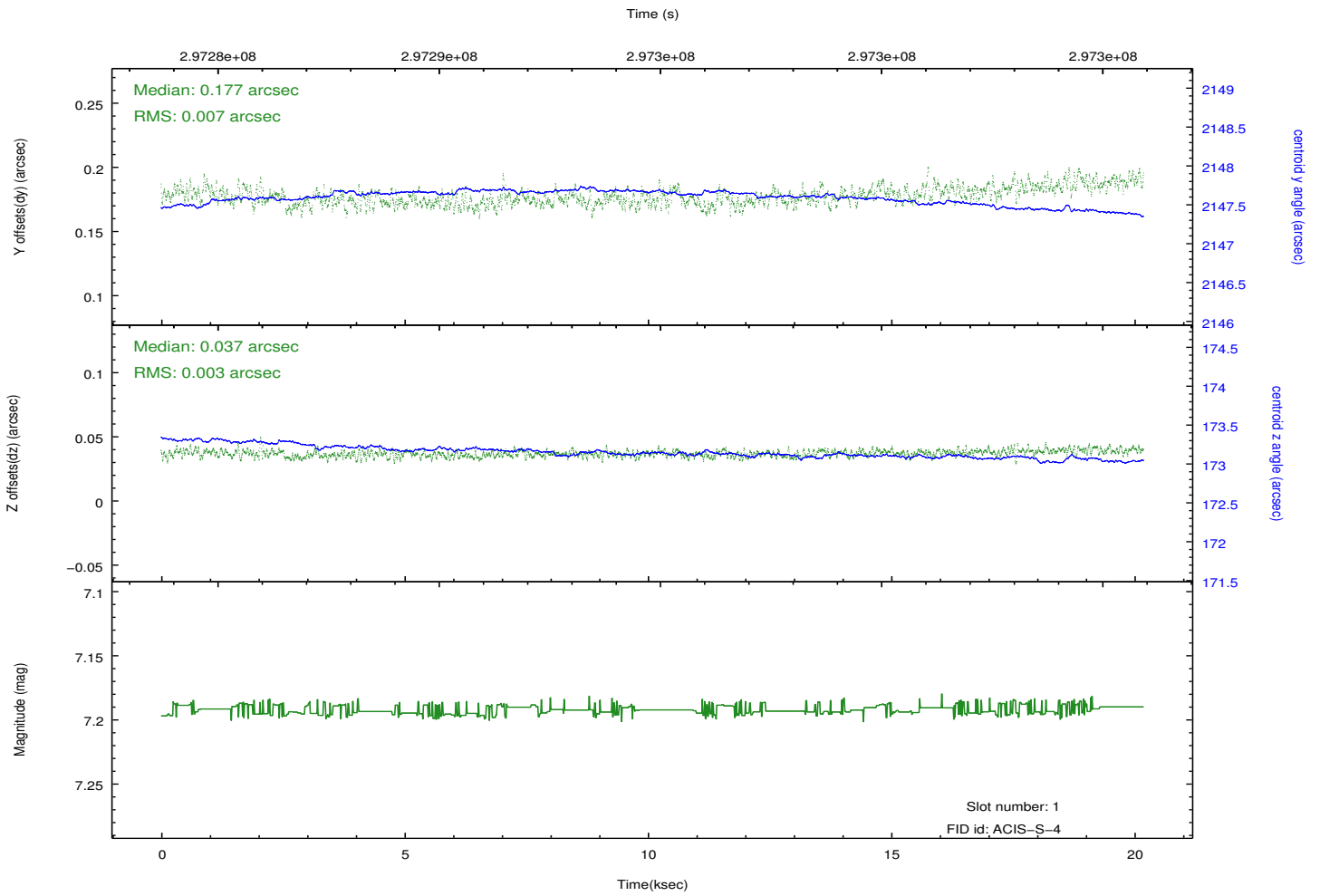
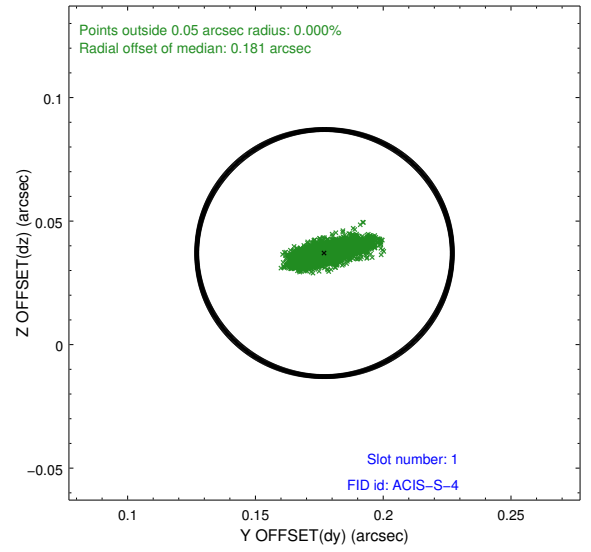
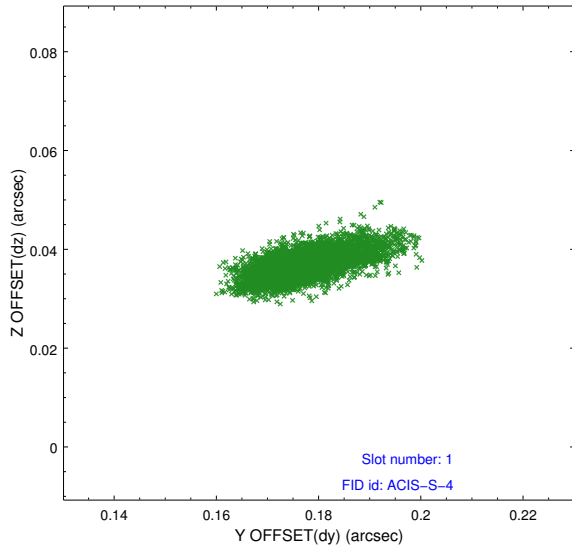


## 2.5 FID Slots

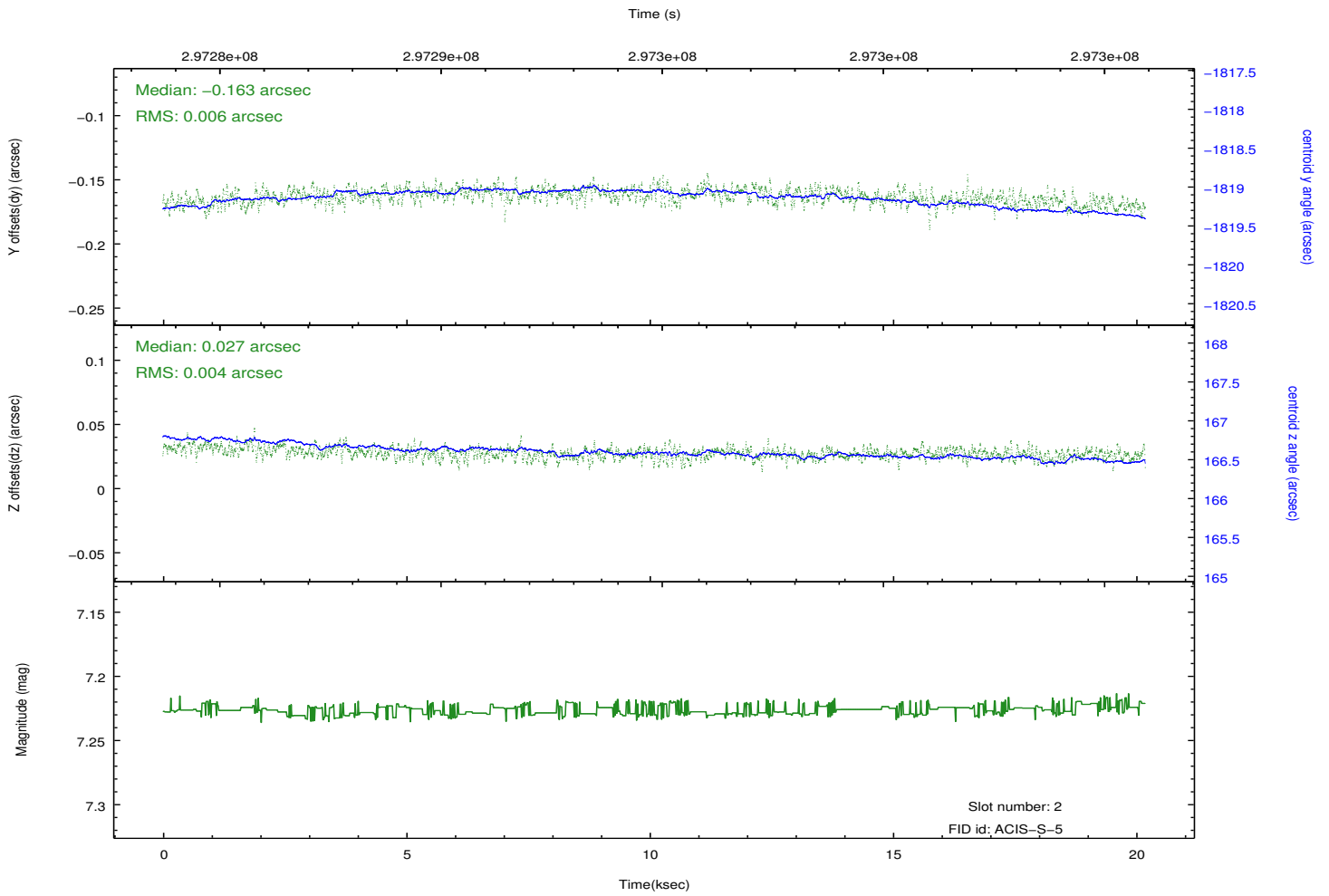
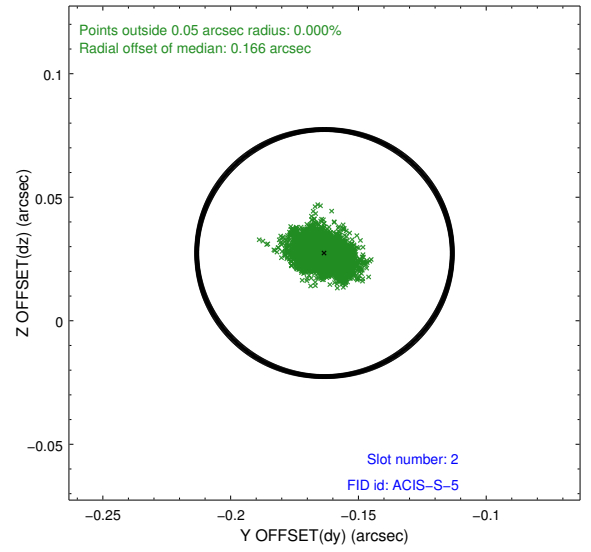
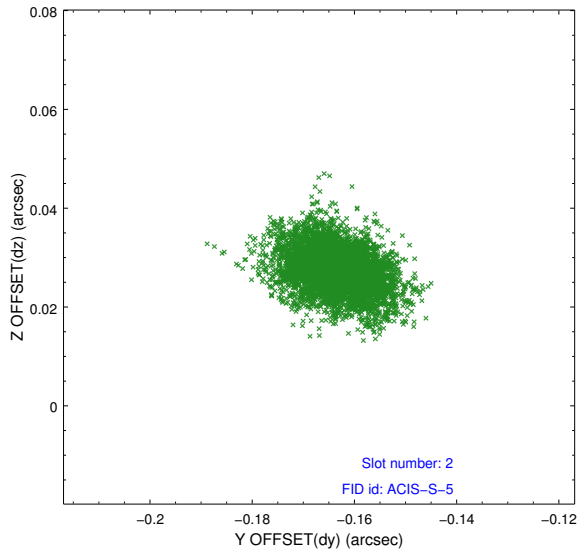
### 2.5.1 Slot 0



## 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)	2012.04.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.184

## A.2 Comments

Joint proposal with VLA.