

# V&V Reference Report

## L2 ASCDS Version : 10.2.4

Observation 16073 - L2 Version 1  
Chandra X-Ray Center

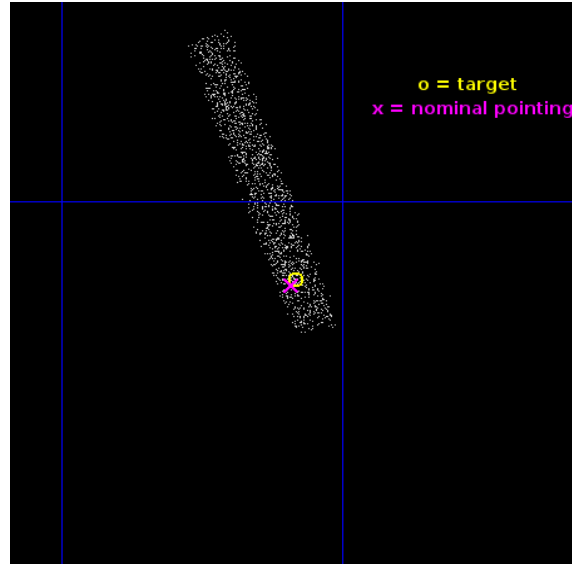
L2 Processing Date : Jul 11 2014

## 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

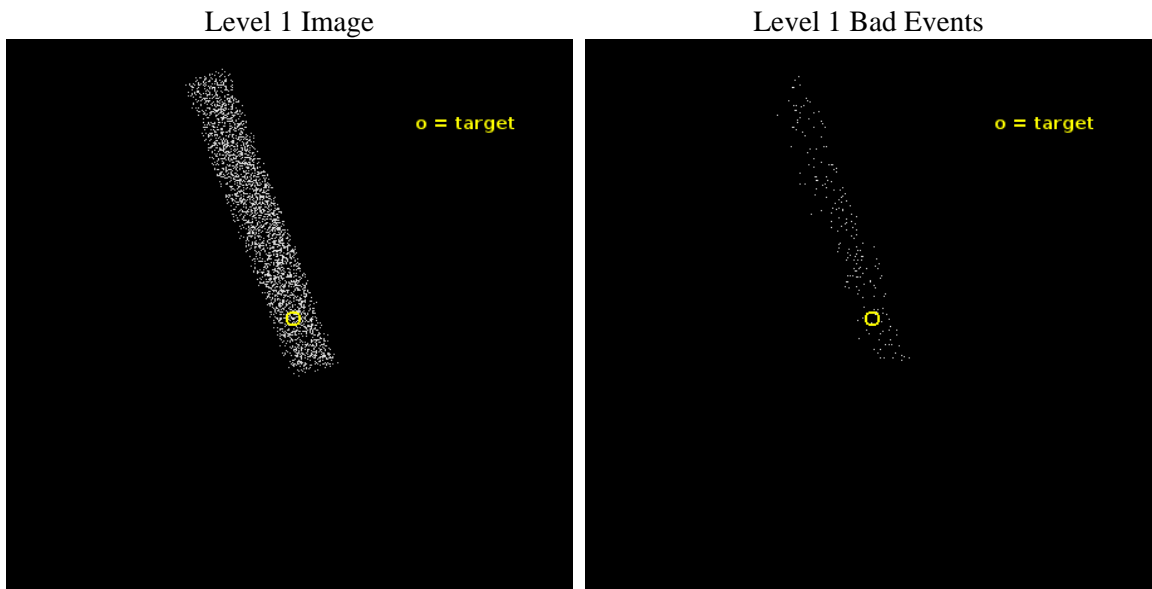
seq_num	702966	Sequence number
obs_id	16073	Observation id
title	PRE-SELECTING DUAL AGN CANDIDATES USING WISE: A CHANDRA PILOT STUDY	&#160
observer	Dr. Shobita Satyapal	Principal investigator
object	SDSS2210+1137	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	185.270833	Observer's specified target RA [deg]
dec_targ	11.631194	Observer's specified target Dec [deg]
ra_nom	185.27268575427	Nominal RA [deg]
dec_nom	11.628611732751	Nominal Dec [deg]
roll_nom	250.40371126348	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4069.9997574091	Sum of GTIs [s]
livetime	3691.2749477681	Livetime [s]
ontime7	4069.9997574091	Sum of GTIs [s]
l2events	1621	Number of level 2 events



## 2 OBI

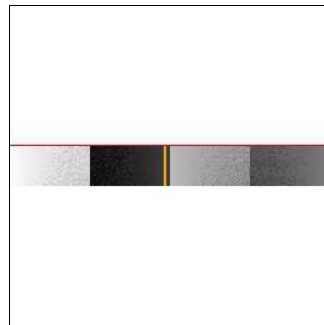
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	4000.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	4069.9997574091	Sum of GTIs [s]
caldbver	4.6.2	&#160	ontime7	4069.9997574091	Sum of GTIs [s]
date	2014-07-11T07:59:29	Date and time of file creation	l1events	3421	Number of level 1 events
revision	1	Processing version of data			

### 2.1.4 Events

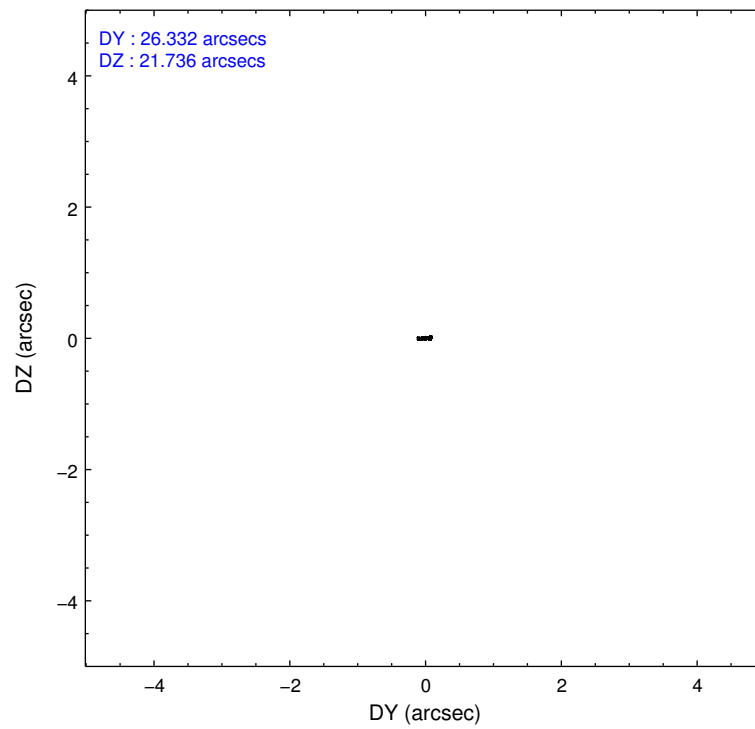
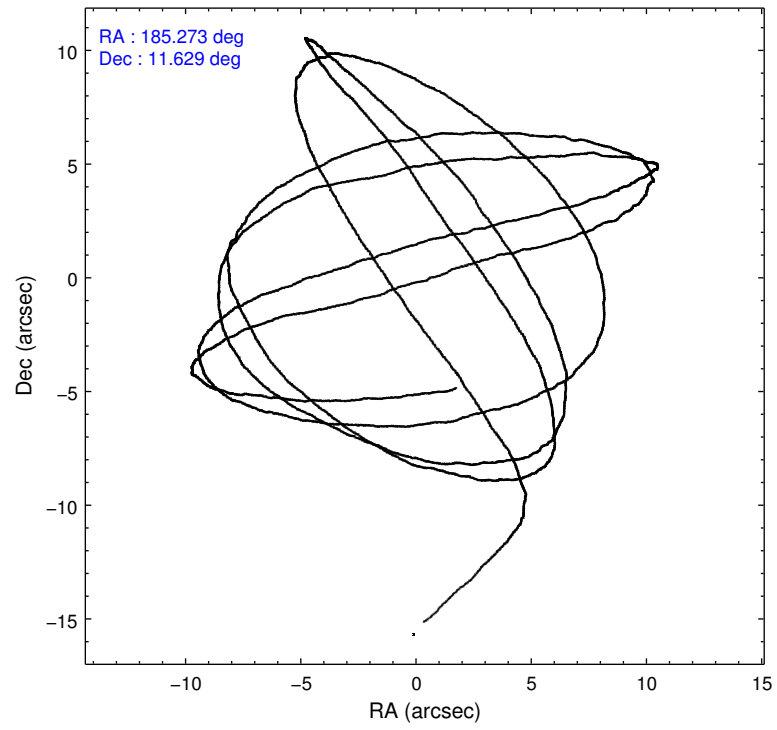
	<b>ccd 7</b>
level 1 events	3421
rejected events	1734
rejected %	50%

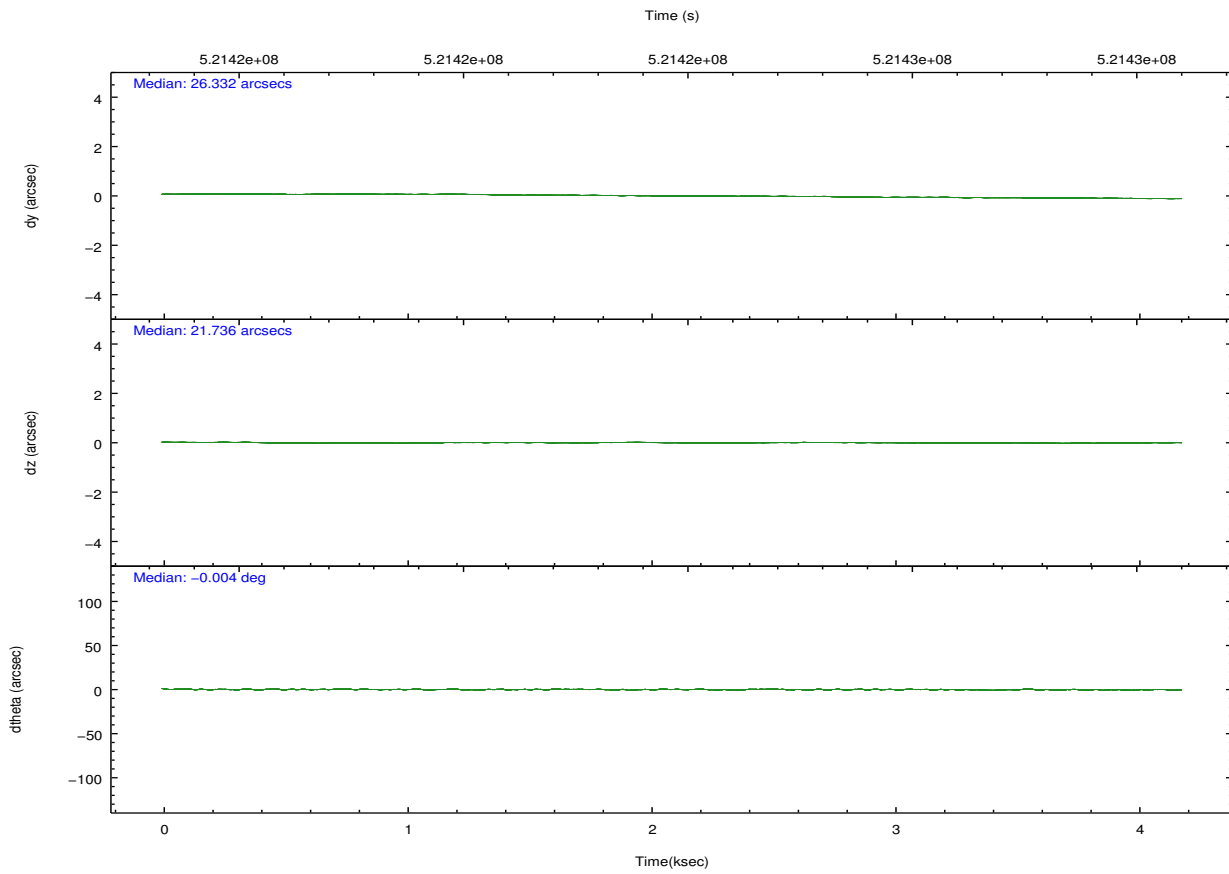
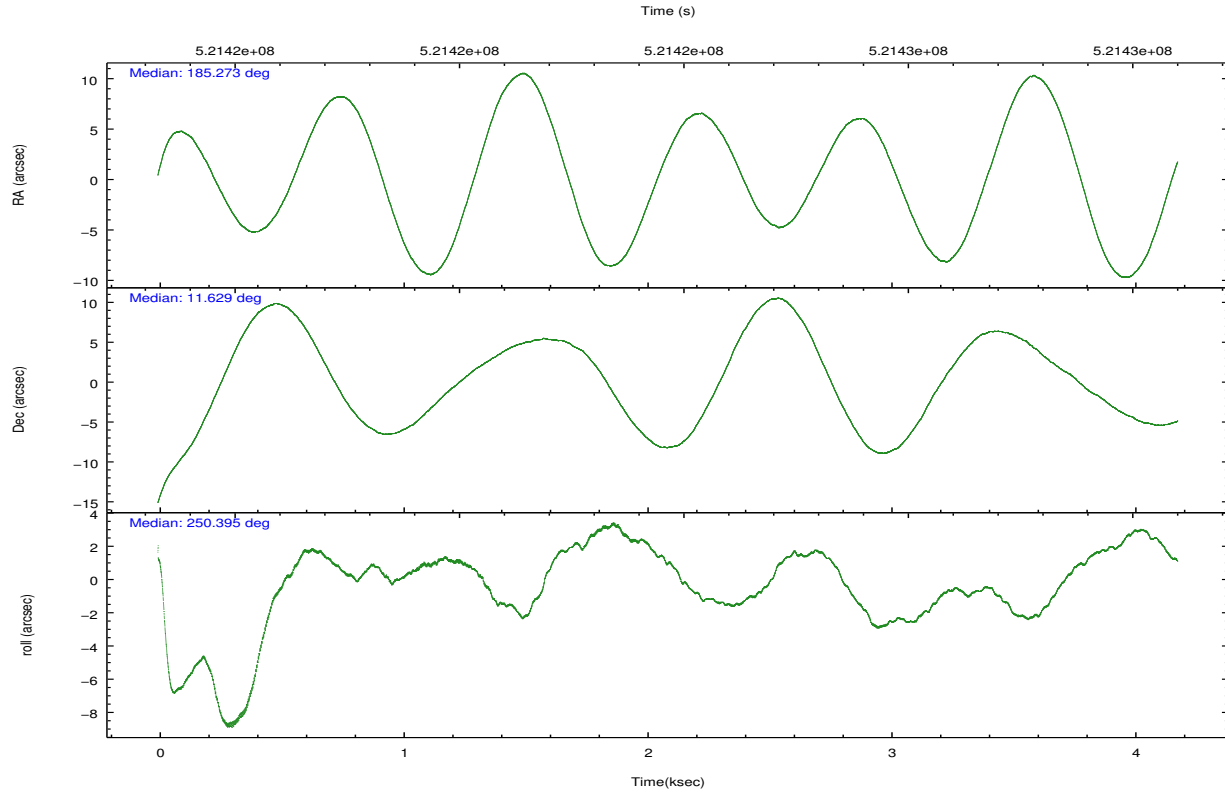
	<b>ccd 7</b>
grade 0 events	175
	5%
grade 1 events	6
	0%
grade 2 events	323
	9%
grade 3 events	210
	6%
grade 4 events	256
	7%
grade 5 events	373
	10%
grade 6 events	723
	21%
grade 7 events	1355
	39%

## 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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	185.267318	185.2726857542679	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	11.655630	11.62861173275139	Subarray start row	449	449
[deg] Pointing Roll	250.248157	250.4037112634823	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	521423020.184000	521421924.71646			
Observation start date	2014-07-10T23:42:33	2014-07-10T23:25:24			
[s] Observation end time (MET)	521427020.184000	521427979.9043			
Observation end date	2014-07-11T00:49:13	2014-07-11T01:06:19			
Read mode	TIMED	TIMED			

## 2.3 Aspect



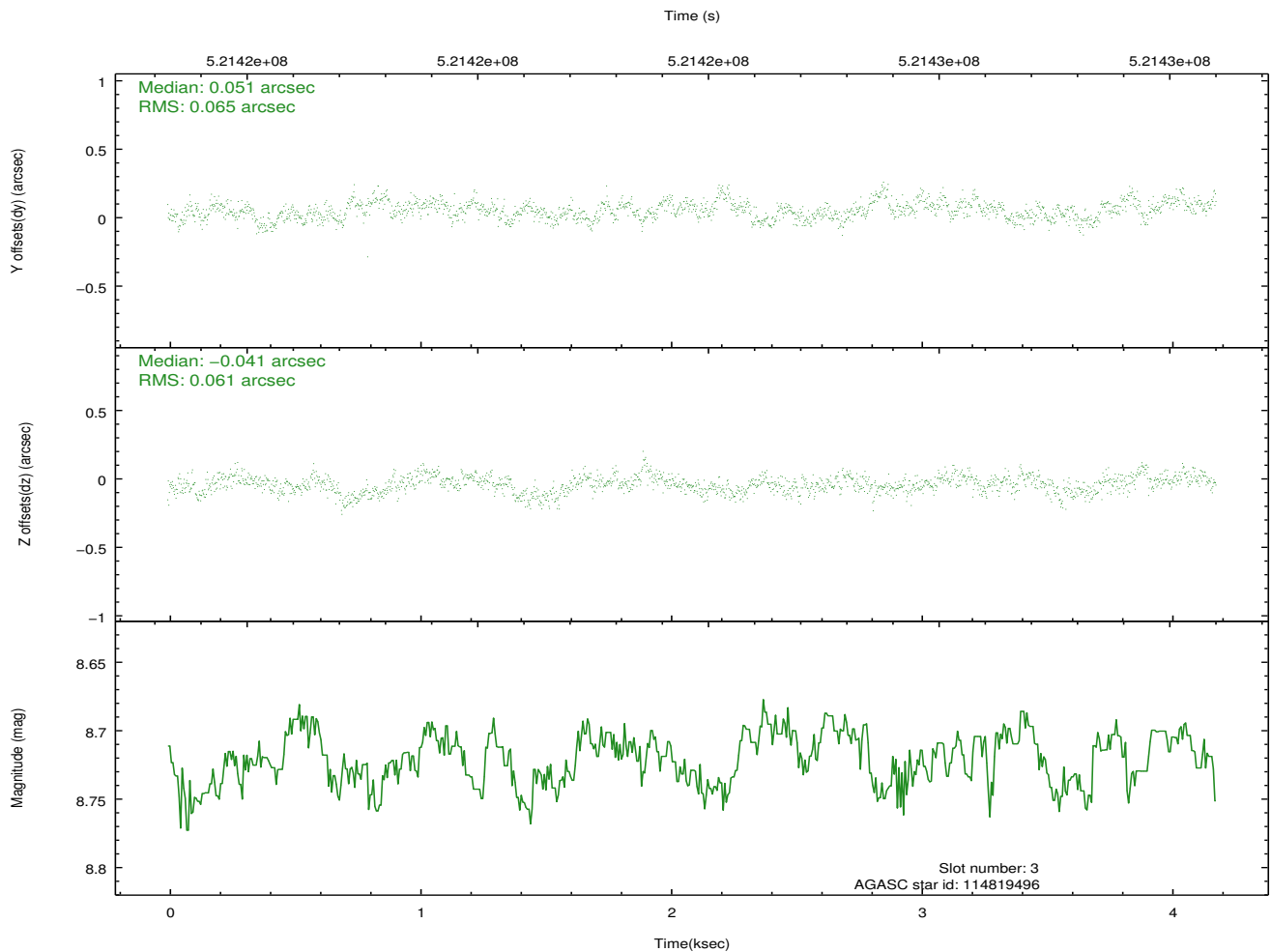
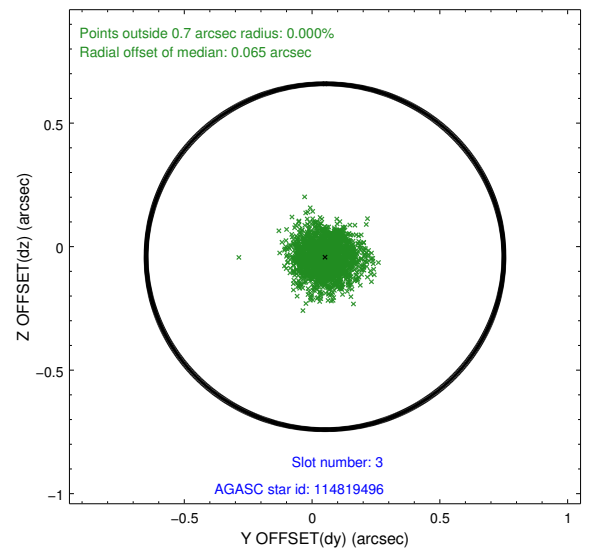
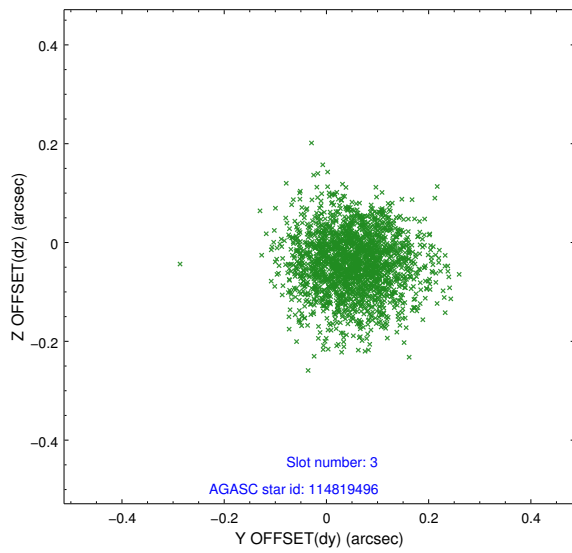


### Slot Statistics

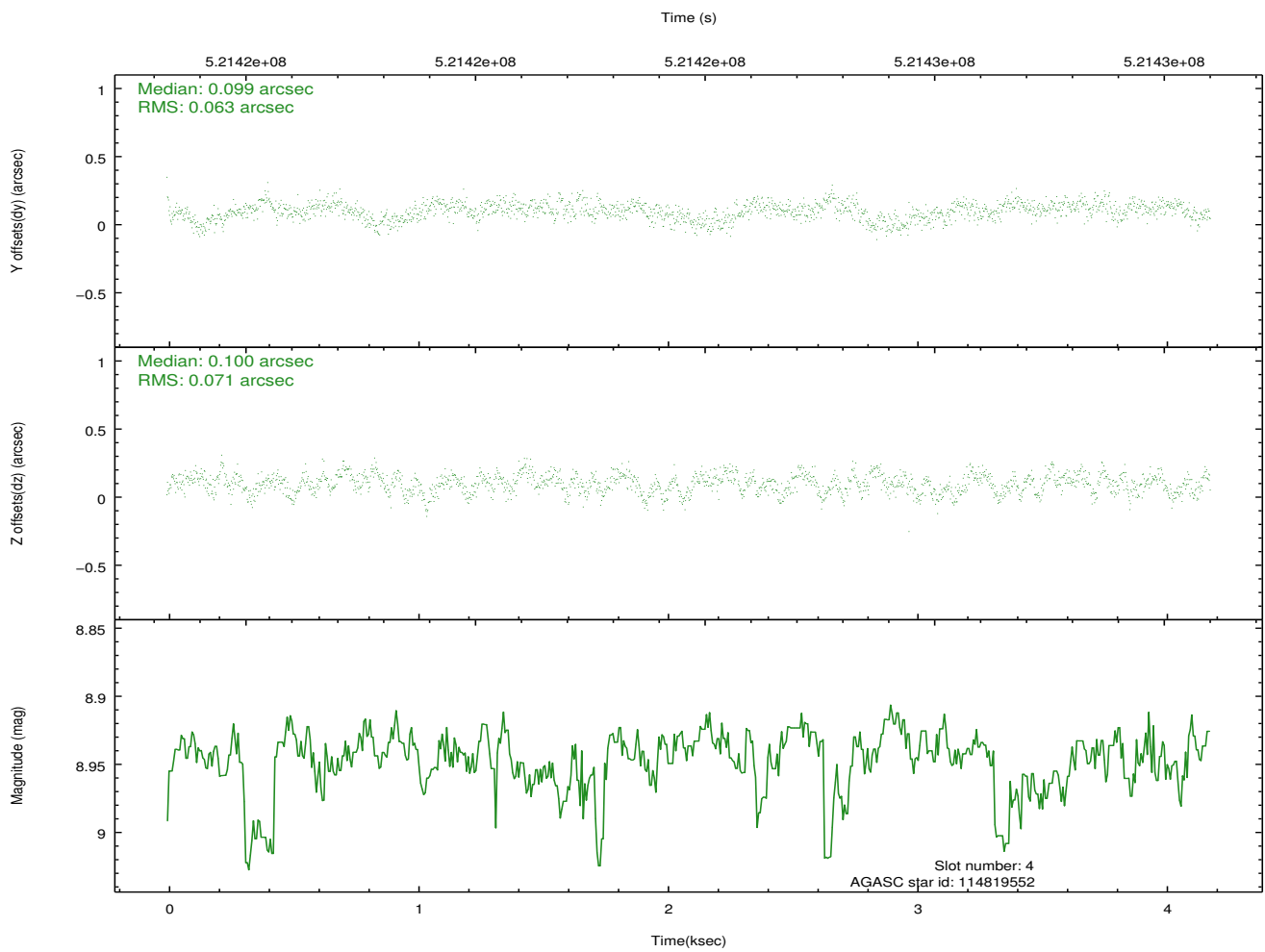
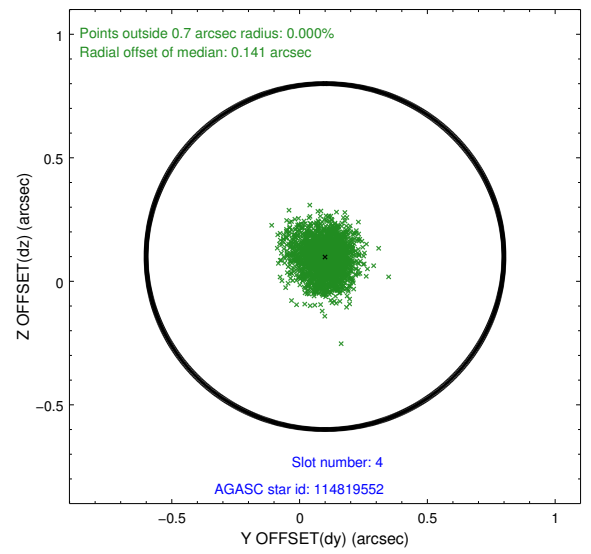
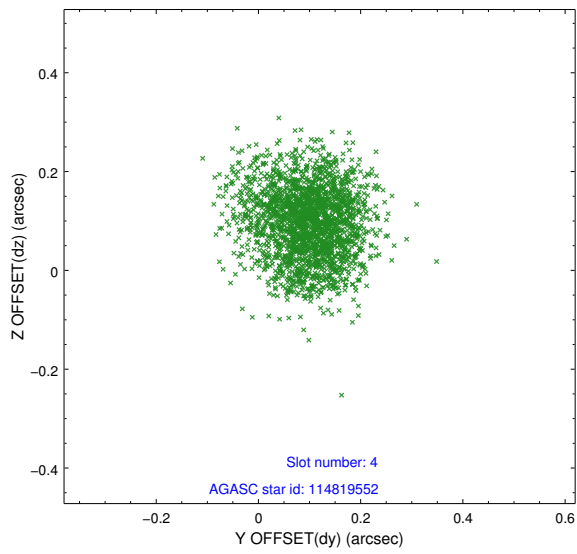
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.86	1020	-0.163	-0.006	0.006	0.011	0.000000	0.000000	-779.78	-1743.29
1	FID	ACIS-S-4	6.95	1020	0.320	0.080	0.006	0.011	0.000000	0.000000	2133.30	163.71
2	FID	ACIS-S-5	6.98	1021	-0.189	-0.066	0.007	0.012	0.000000	0.000000	-1830.75	158.95
3	GUIDE	114819496	8.72	2041	0.051	-0.041	0.096	0.155	185.927253	11.920483	-1685.74	1864.41
4	GUIDE	114819552	8.94	2039	0.099	0.100	0.102	0.160	185.130690	11.375327	1111.91	-111.63
5	GUIDE	114822360	6.75	2041	-0.139	0.124	0.092	0.157	184.966087	11.598578	552.52	-930.42
6	GUIDE	114823144	9.23	2041	-0.179	-0.046	0.127	0.204	185.759442	11.403801	264.90	1939.83
7	GUIDE	114819488	9.62	2040	0.167	-0.117	0.164	0.268	185.439323	11.182195	1398.96	1148.93

## 2.4 Star Slots

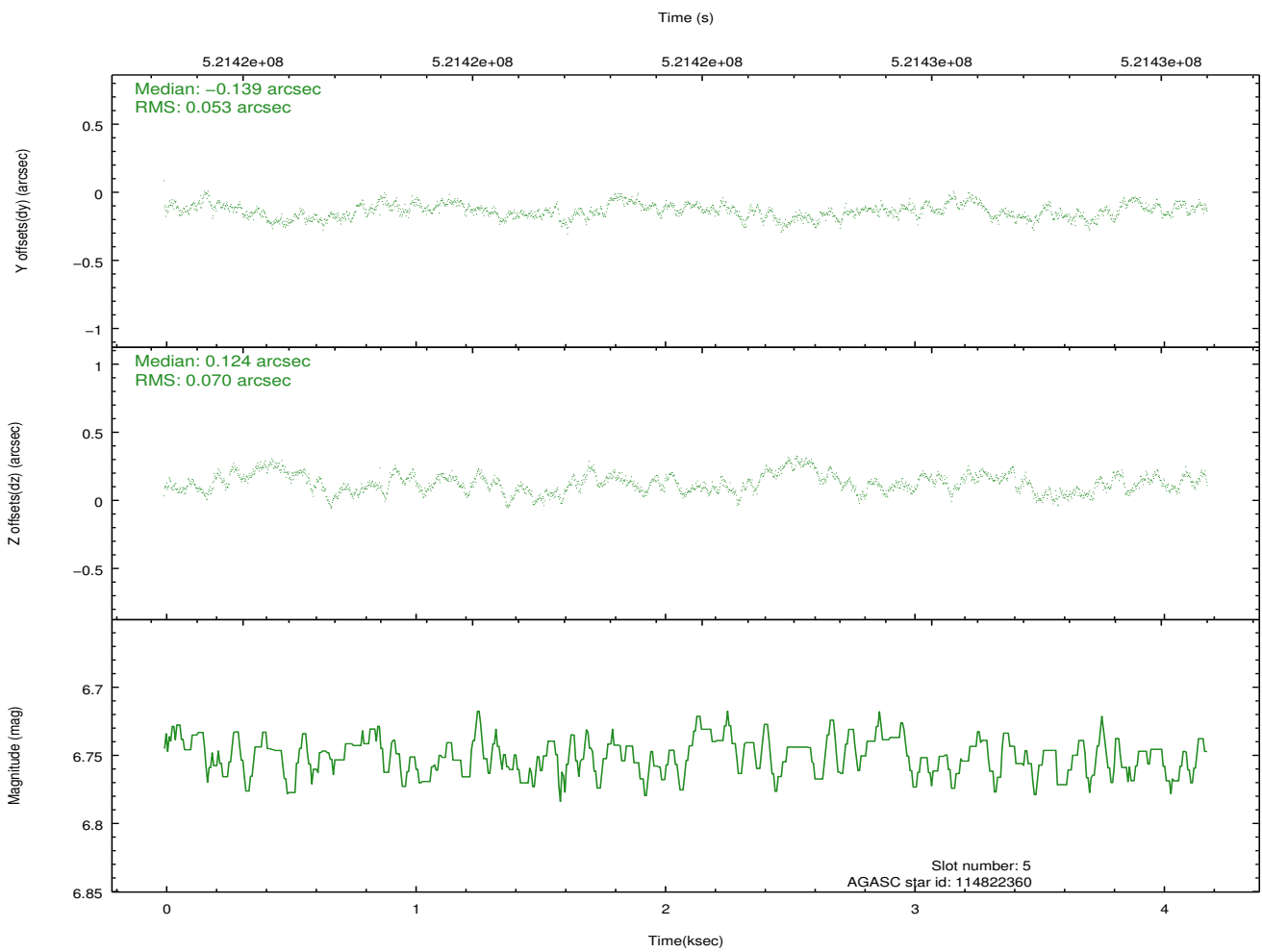
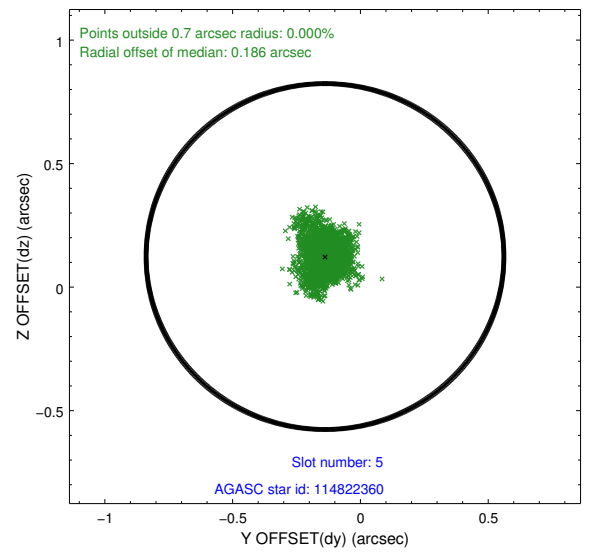
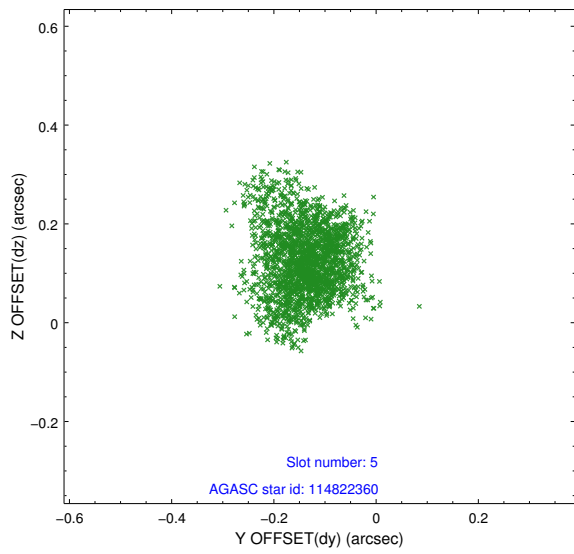
### 2.4.1 Slot 3



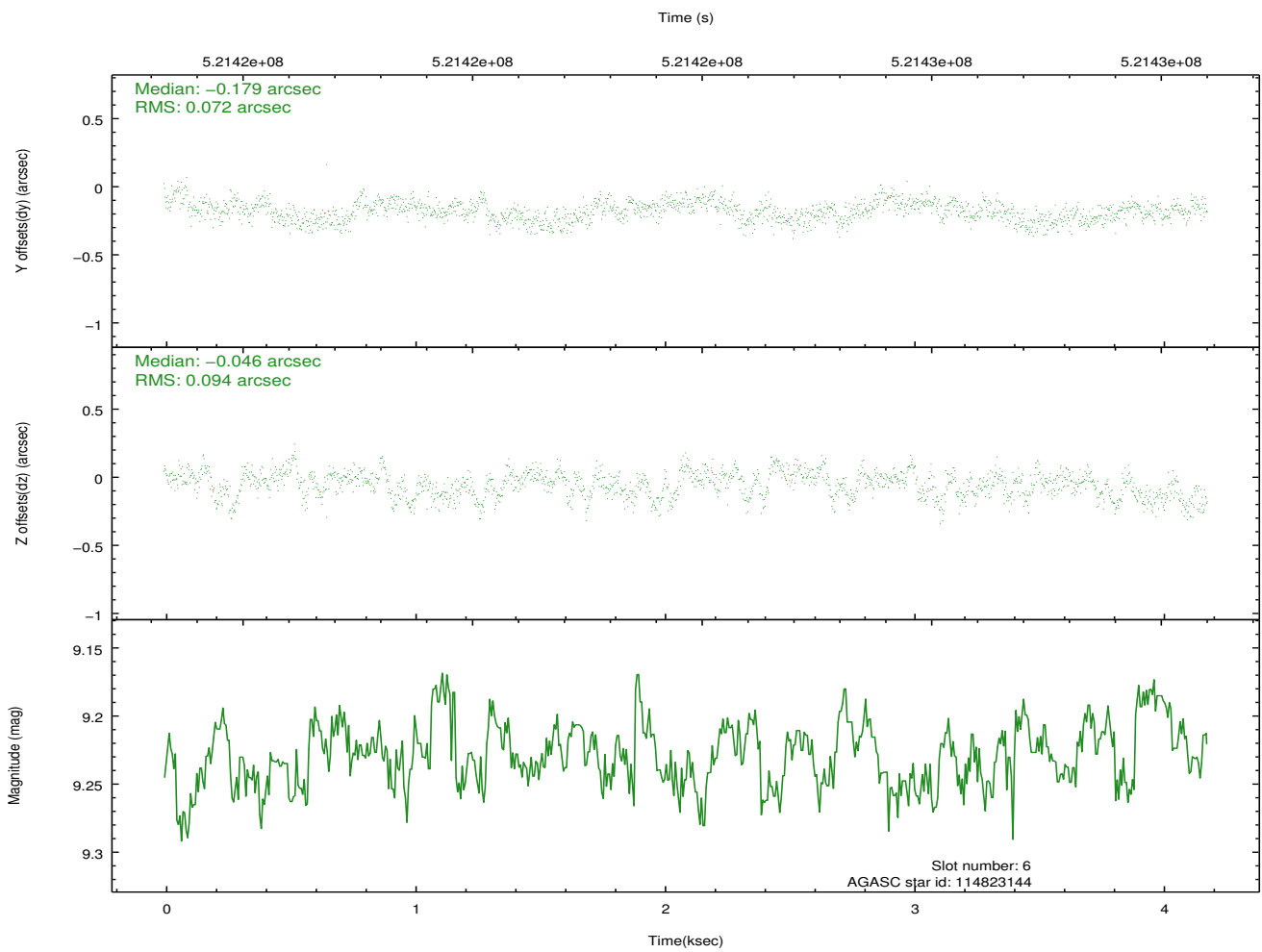
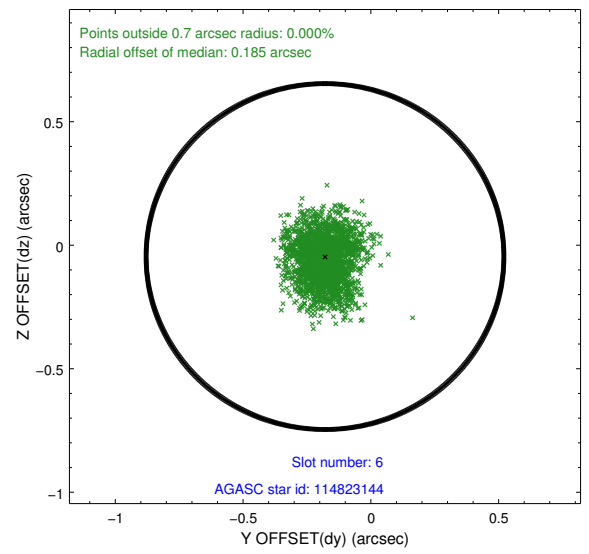
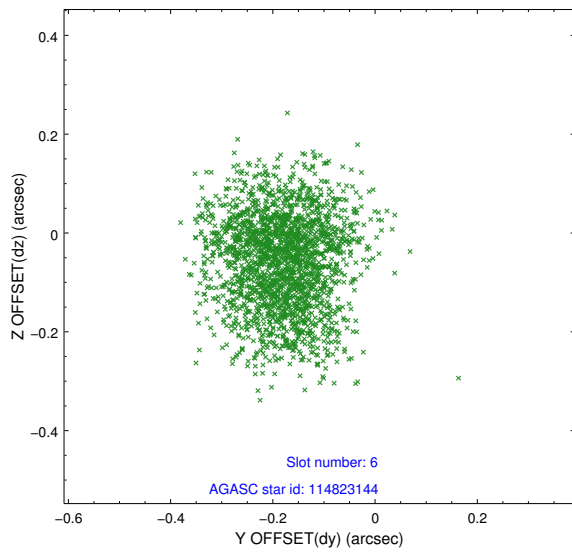
## 2.4.2 Slot 4



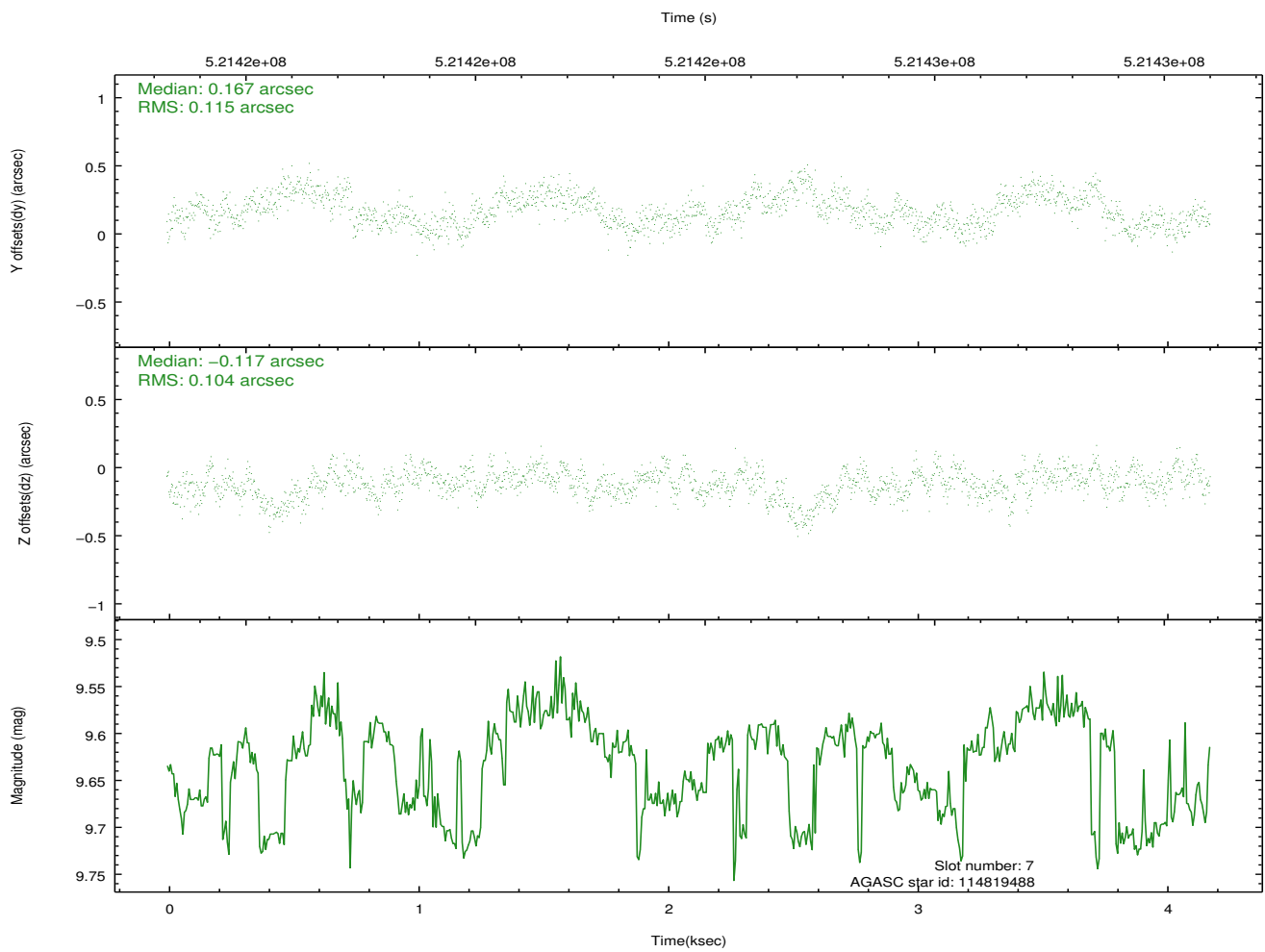
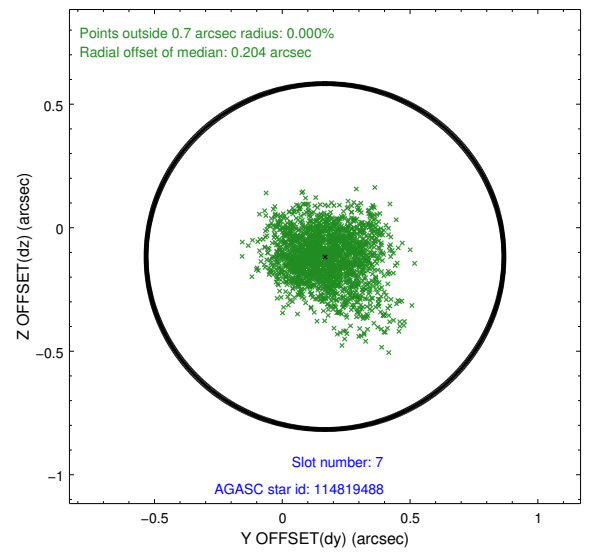
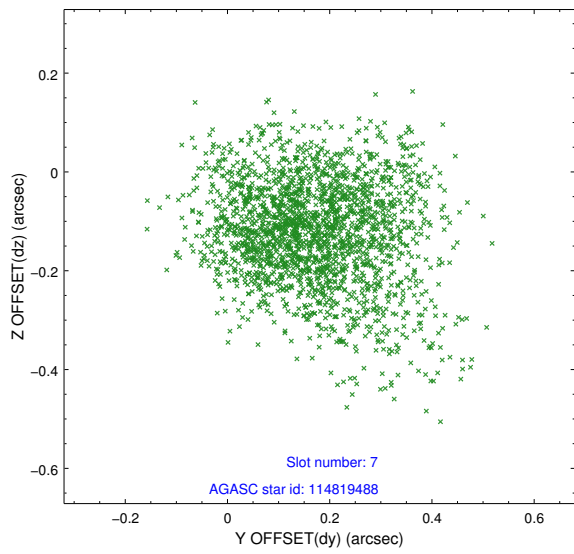
### 2.4.3 Slot 5



## 2.4.4 Slot 6

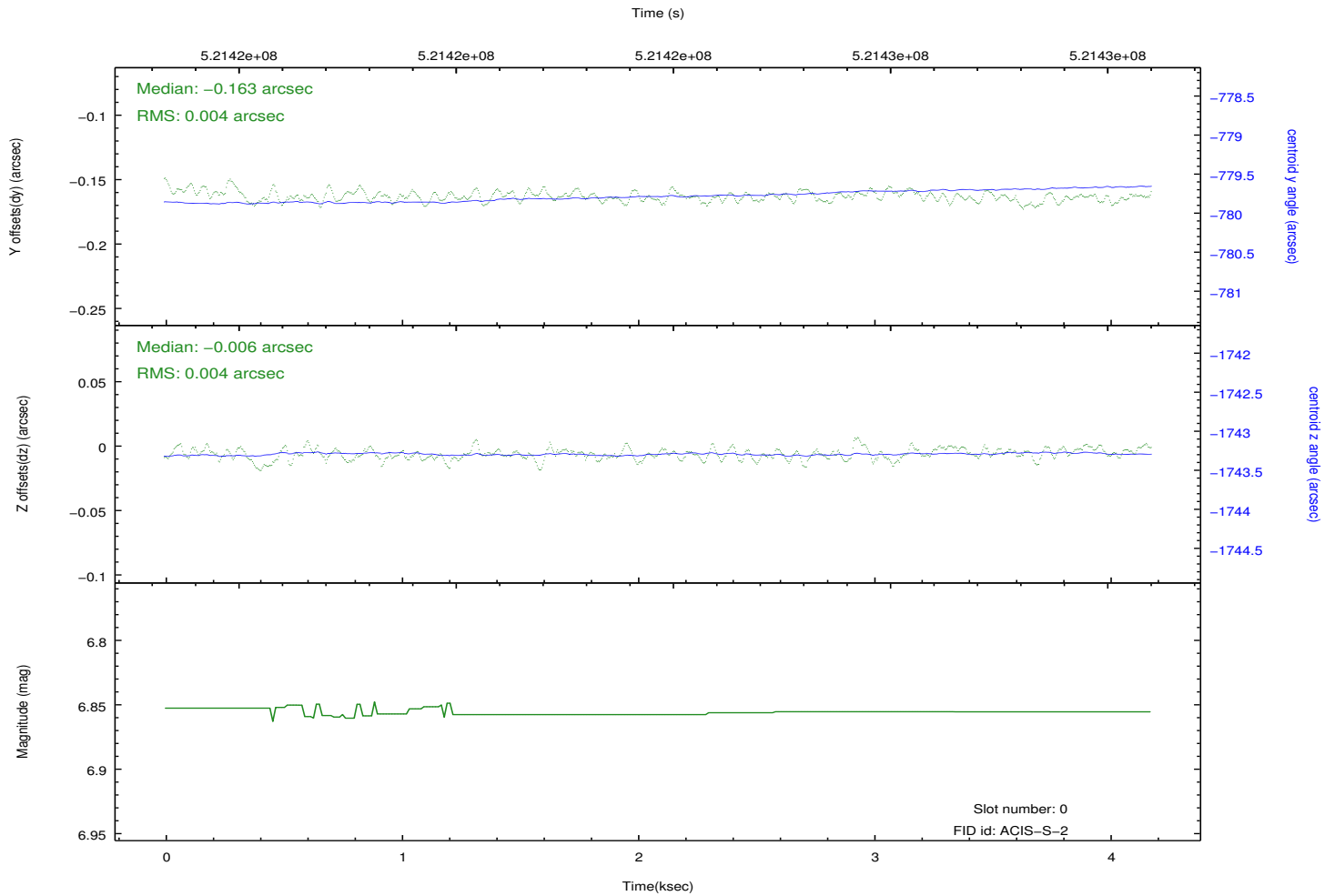
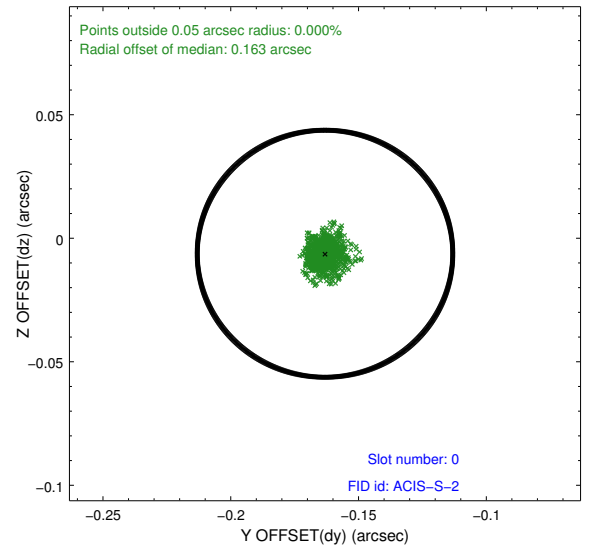
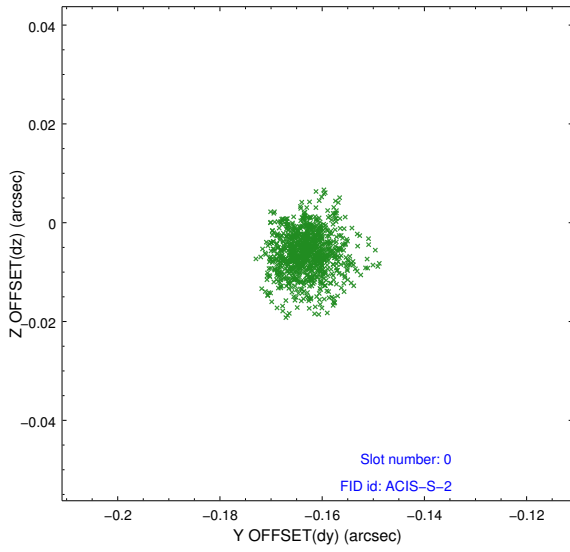


## 2.4.5 Slot 7

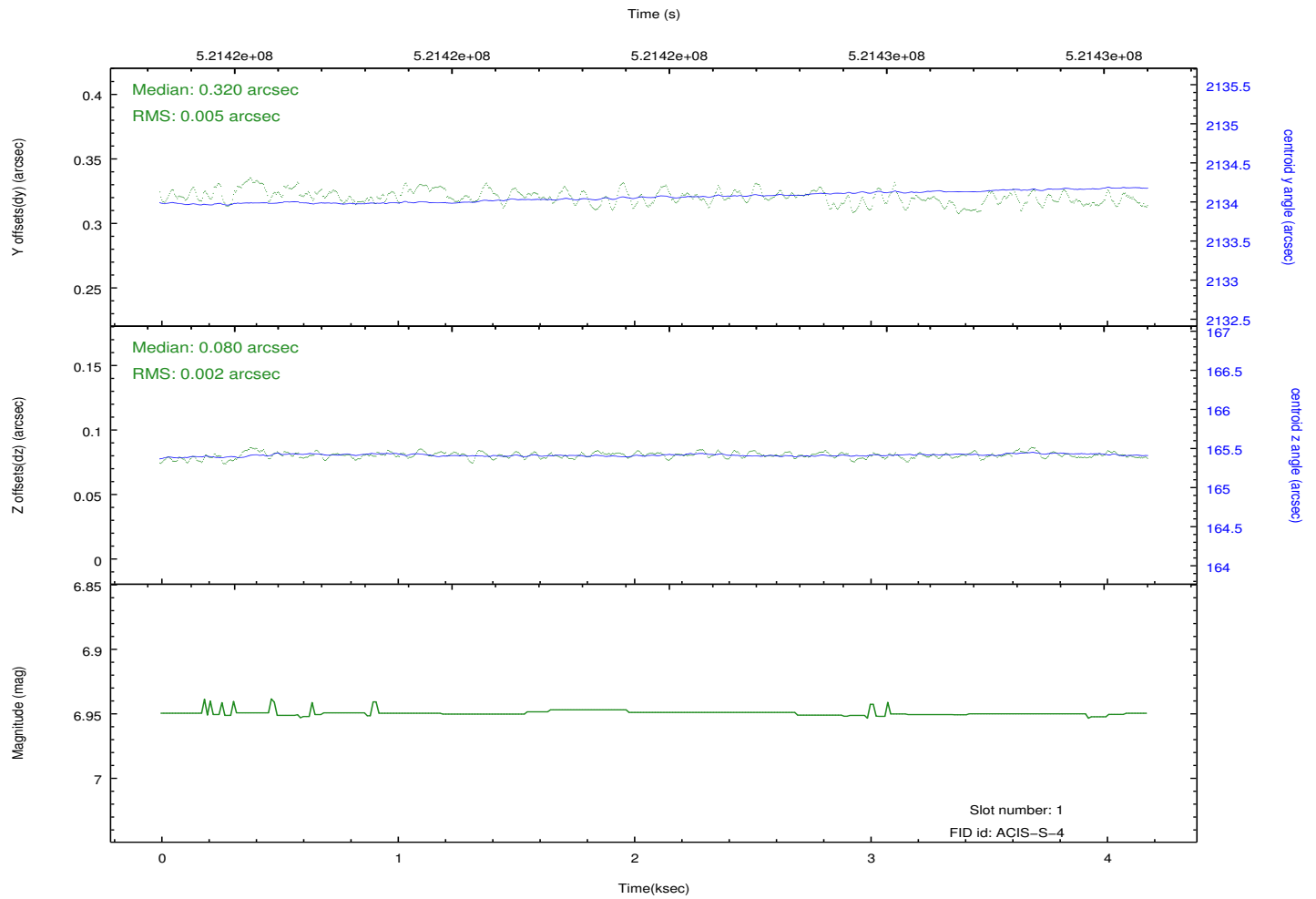
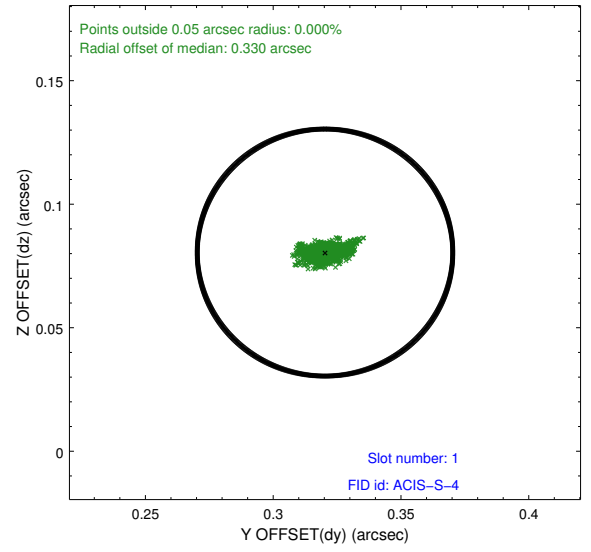
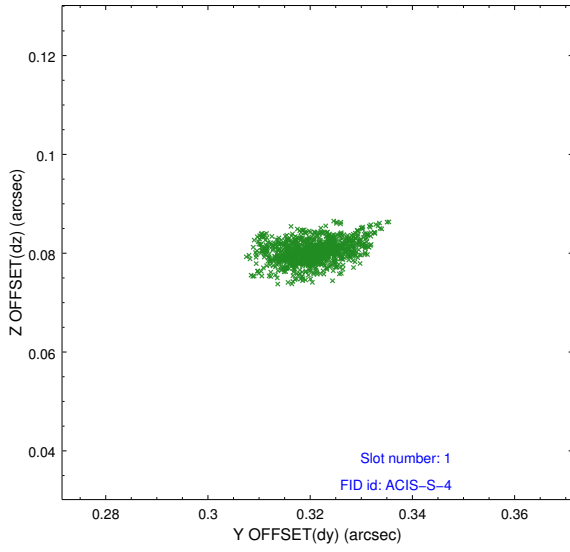


## 2.5 FID Slots

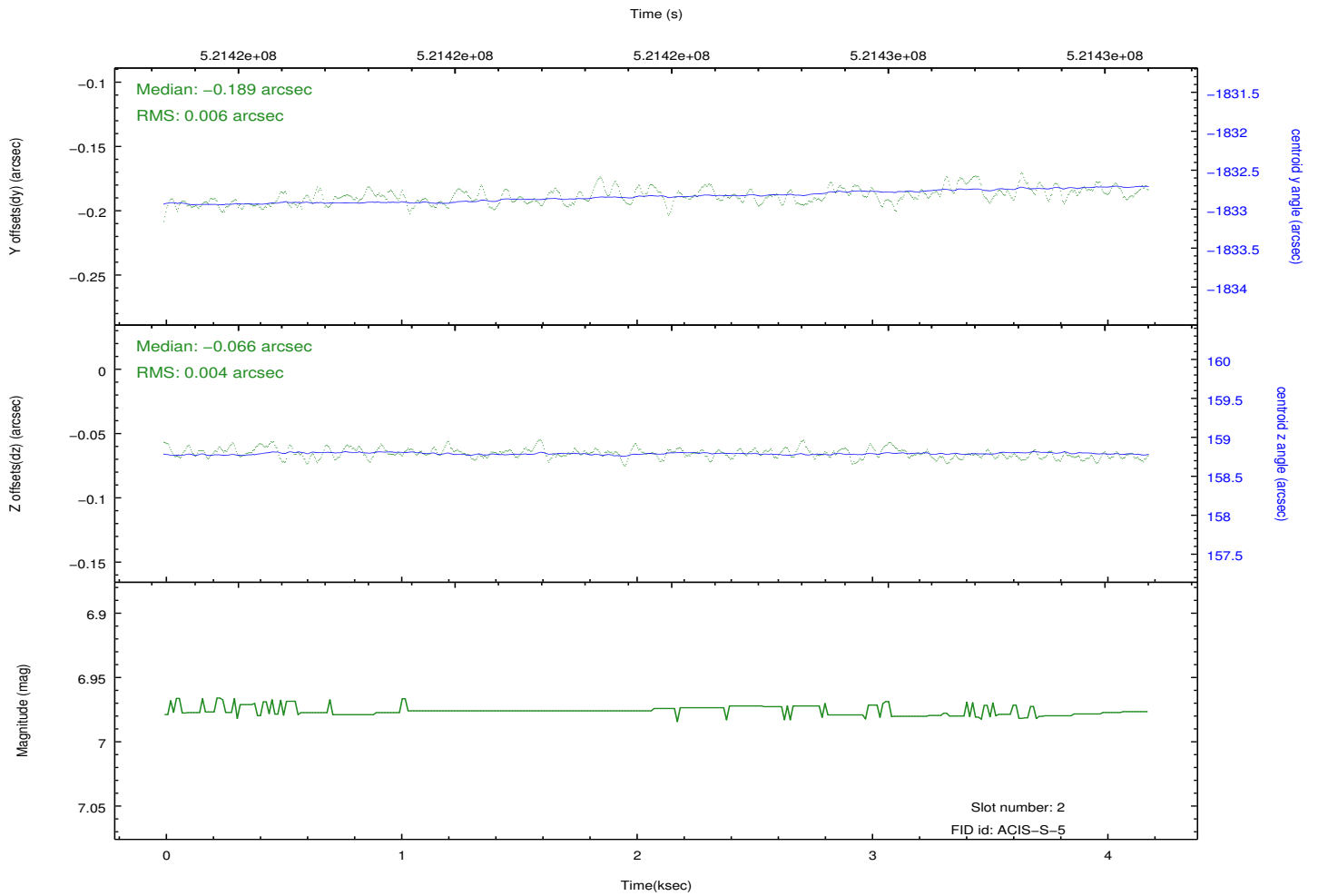
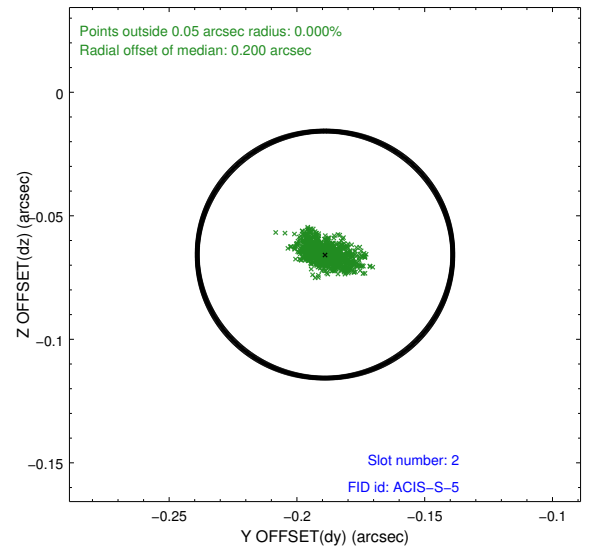
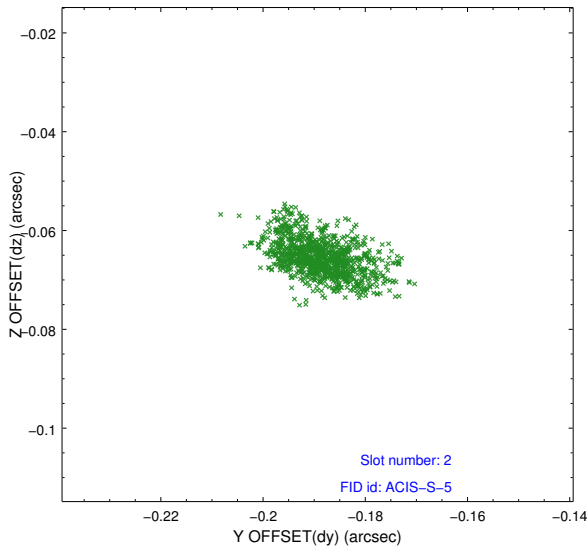
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2014.07.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.0699997574091

### A.2 Comments