

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 10399 - L2 Version 2  
Chandra X-Ray Center

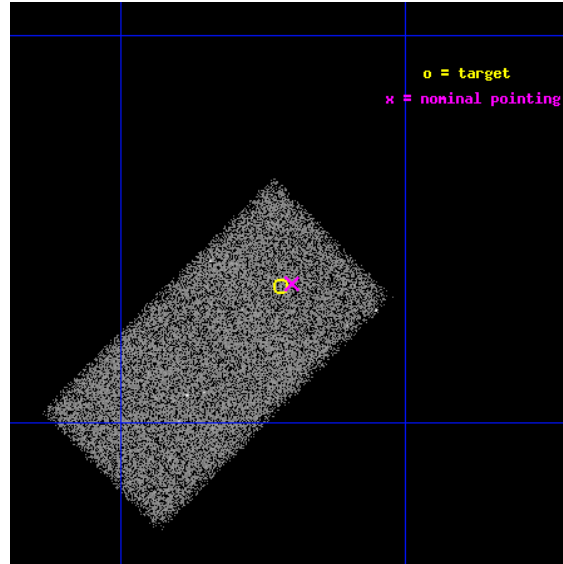
L2 Processing Date : Jun 4 2012

## 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

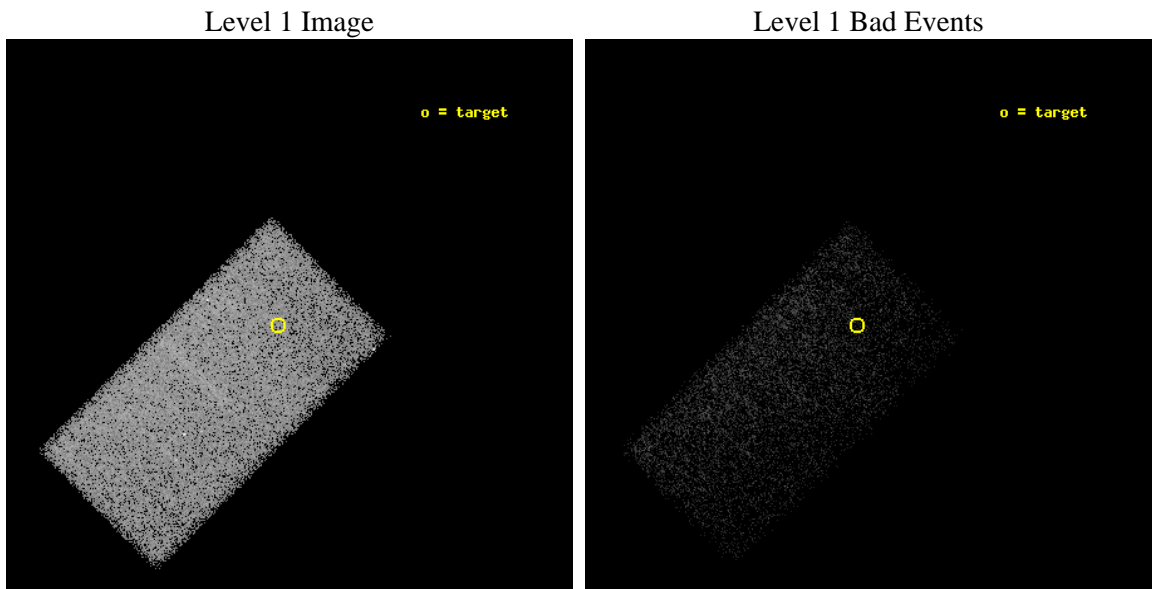
seq_num	701942	Sequence number
obs_id	10399	Observation id
title	A Complete Census of AGN Activity in Luminous Infrared Galaxies	Pr
observer	Dr David Alexander	Principal investigator
object	CGCG049-057	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	228.304583	Observer's specified target RA [deg]
dec_targ	7.225556	Observer's specified target Dec [deg]
ra_nom	228.29985561311	Nominal RA [deg]
dec_nom	7.2266510440952	Nominal Dec [deg]
roll_nom	135.15724993933	Nominal Roll [deg]
revision	2	Processing version of data
ontime	19579.5	Sum of GTIs [s]
liveltime	19058.071172714	Livetime [s]
ontime7	19579.5	Sum of GTIs [s]
l2events	40345	Number of level 2 events



## 2 OBI

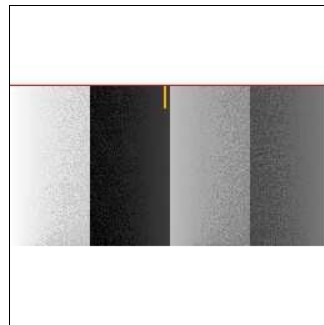
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	19400.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	19579.5	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime7	19579.5	Sum of GTIs [s]
date	2012-06-04T15:08:37	Date and time of file creation	l1events	83540	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

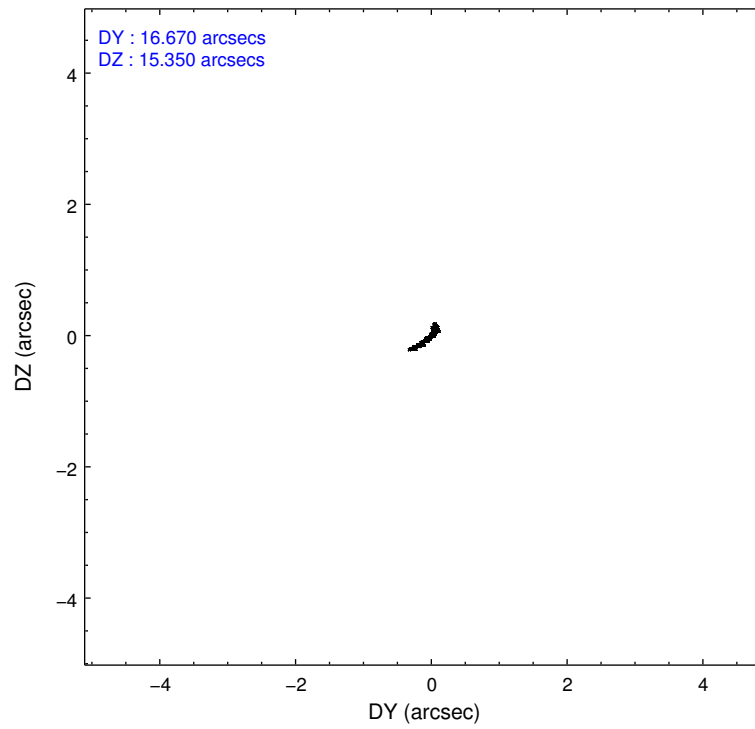
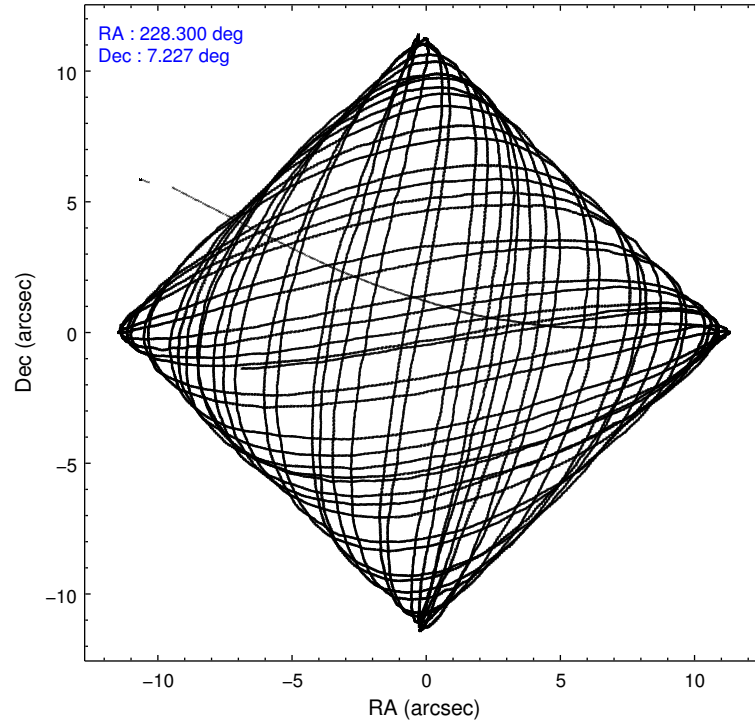
	<b>ccd 7</b>
level 1 events	83540
rejected events	41803
rejected %	50%

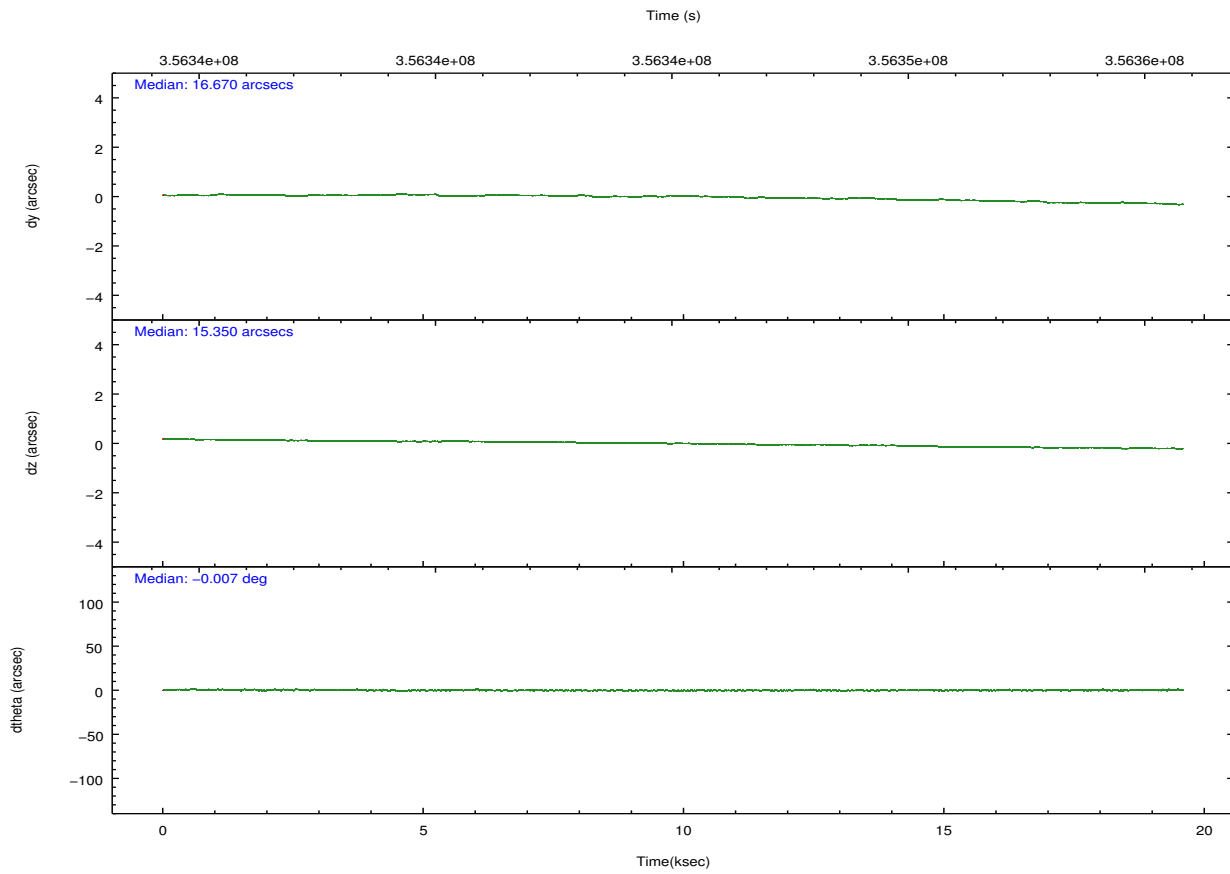
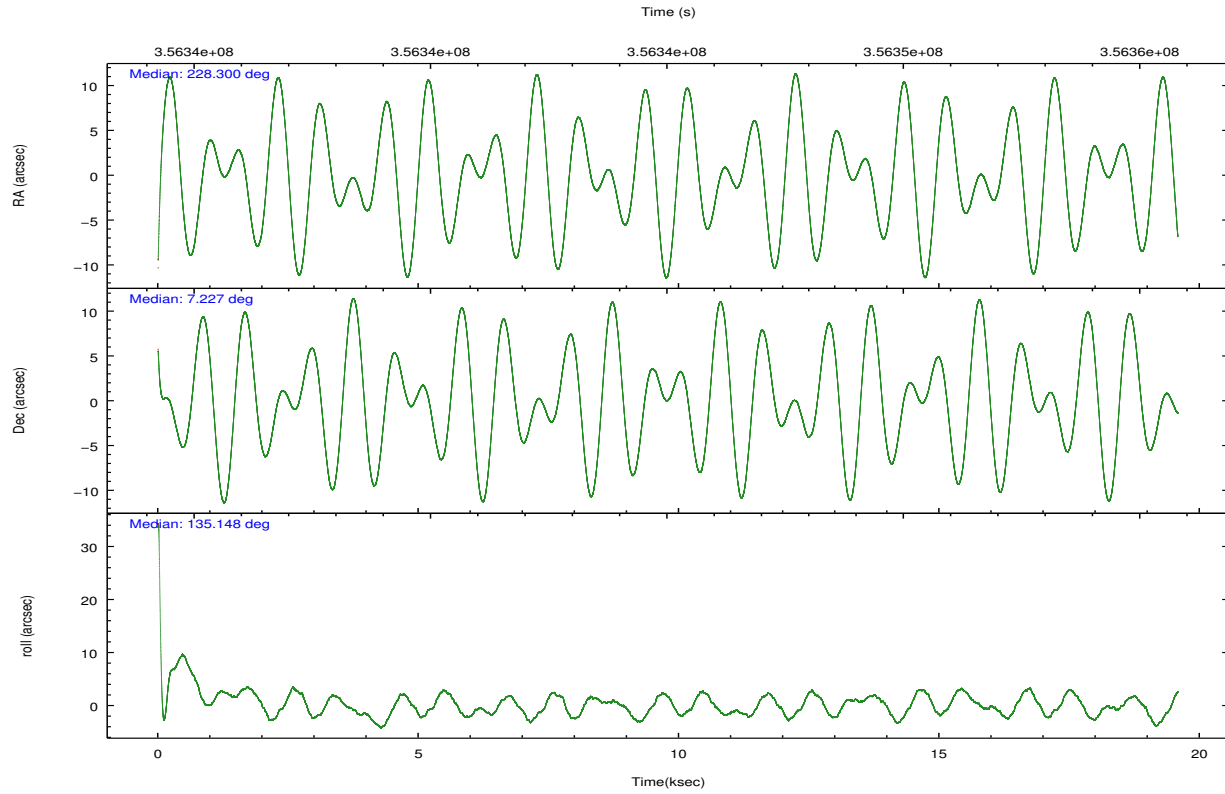
	<b>ccd 7</b>
grade 0 events	5161
	6%
grade 1 events	135
	0%
grade 2 events	9565
	11%
grade 3 events	4734
	5%
grade 4 events	4735
	5%
grade 5 events	8893
	10%
grade 6 events	19815
	23%
grade 7 events	30502
	36%

## 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	228.326559	228.2998556131082	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	7.220015	7.226651044095243	Subarray start row	257	257
[deg] Pointing Roll	134.997241	135.1572499393294	Subarray row count	512	512
[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	1.5
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	356335423.184000	356334182.0031			
Observation start date	2009-04-17T06:02:37	2009-04-17T05:43:02			
[s] Observation end time (MET)	356354823.184000	356355745.95417			
Observation end date	2009-04-17T11:25:57	2009-04-17T11:42:25			
Read mode	TIMED	TIMED			

## 2.3 Aspect



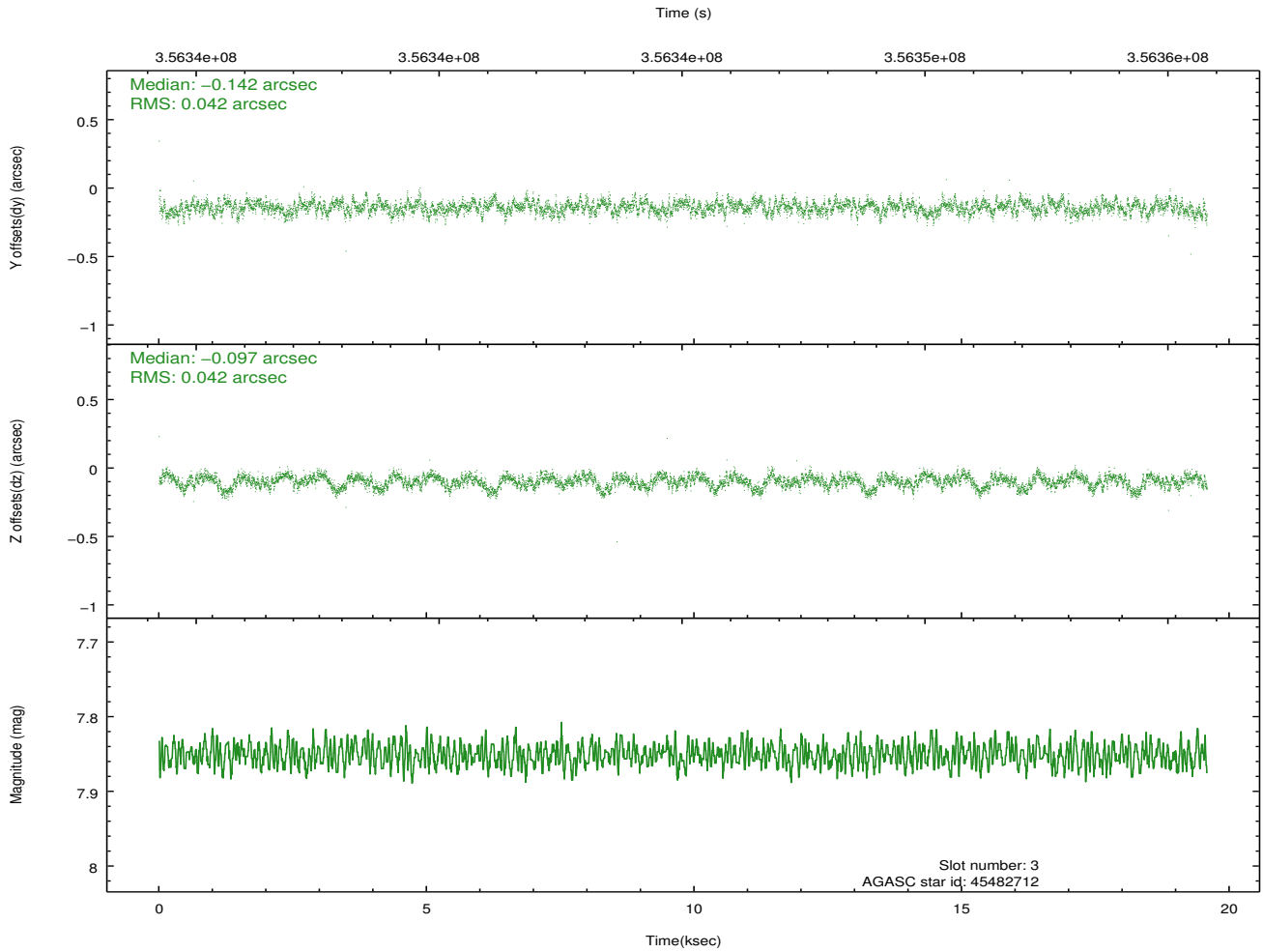
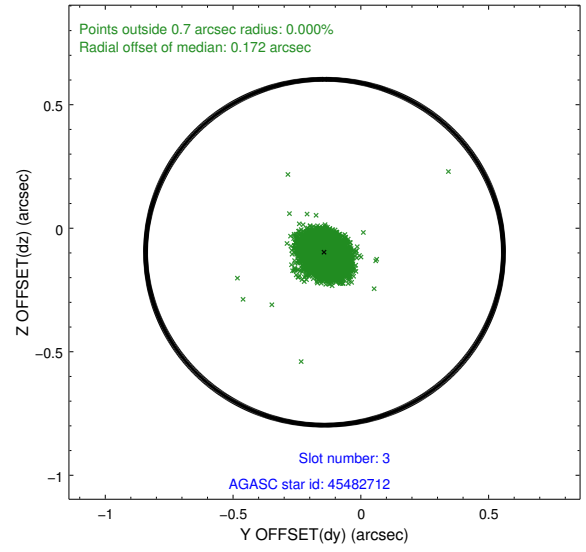


### Slot Statistics

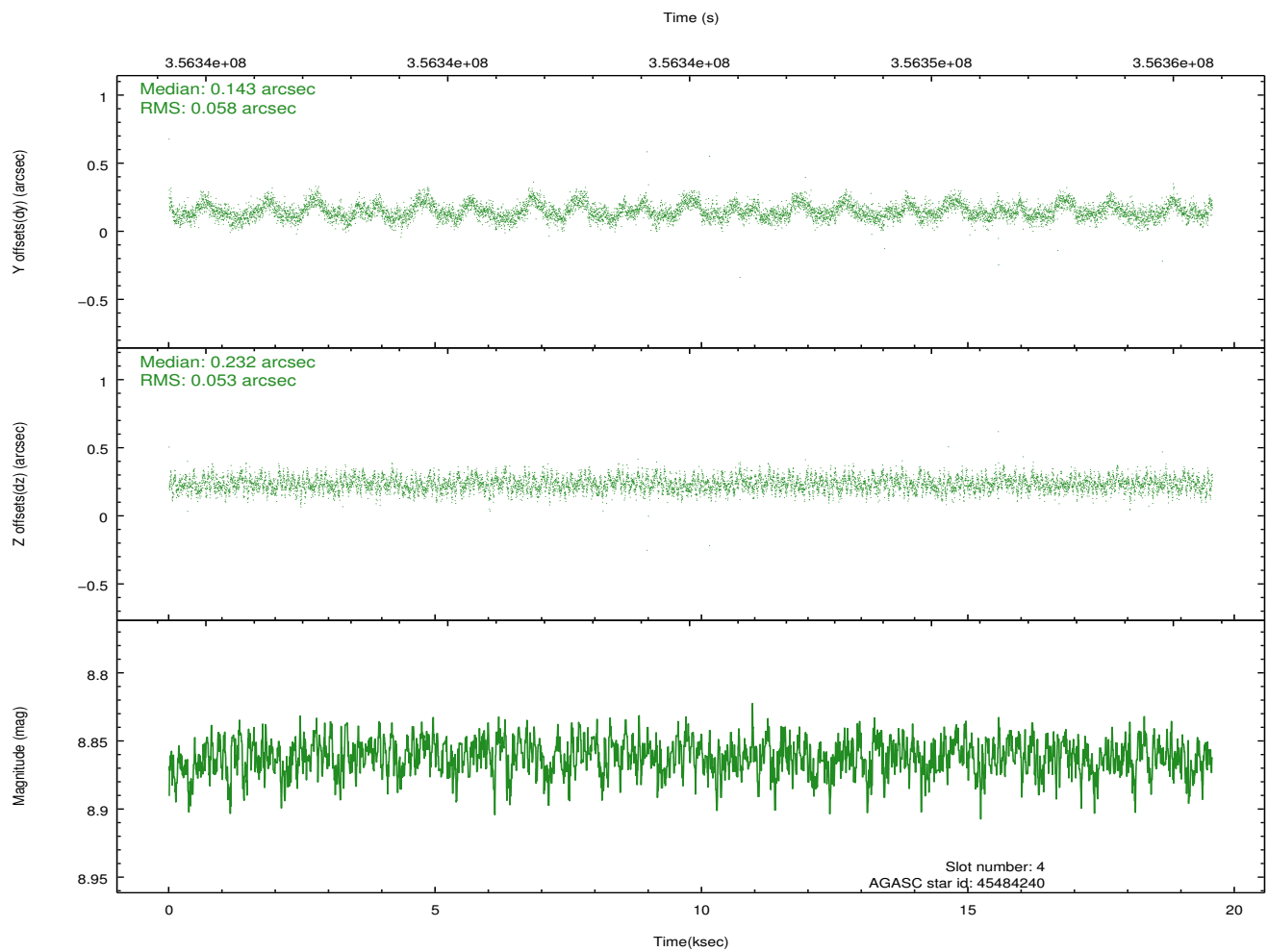
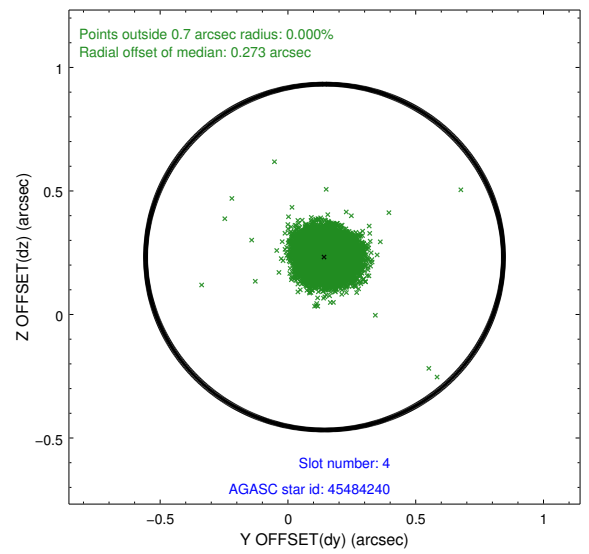
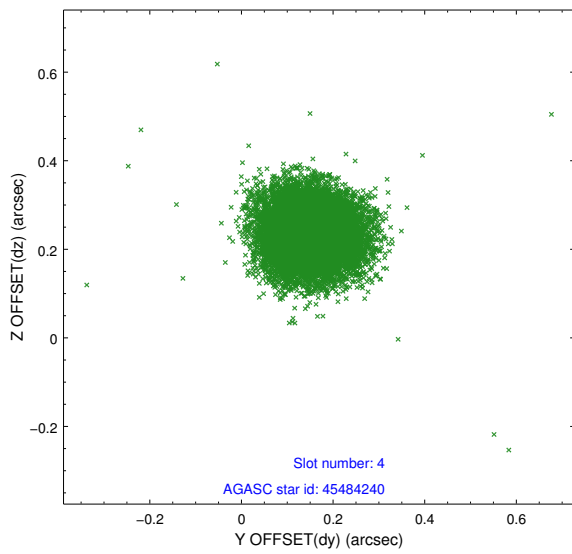
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.01	4777	0.067	-0.074	0.016	0.024	0.000000	0.000000	926.52	-1732.35
1	FID	ACIS-S-5	7.06	4775	-0.110	0.040	0.007	0.012	0.000000	0.000000	-1822.60	165.04
2	FID	ACIS-S-6	7.16	4777	0.022	0.046	0.012	0.019	0.000000	0.000000	391.75	809.29
3	GUIDE	45482712	7.85	9551	-0.142	-0.097	0.063	0.102	227.751708	7.324466	1718.28	1184.90
4	GUIDE	45484240	8.86	9544	0.143	0.232	0.084	0.132	228.204200	7.399711	767.16	-148.04
5	GUIDE	45488120	9.10	9546	0.058	-0.086	0.083	0.137	228.199153	6.801822	-743.17	1386.59
6	GUIDE	120598768	9.29	9540	-0.053	0.002	0.119	0.191	228.089230	7.937187	2425.01	-1226.66
7	GUIDE	120599784	9.29	9544	-0.009	-0.047	0.114	0.194	228.281539	8.037424	2195.43	-1966.77

## 2.4 Star Slots

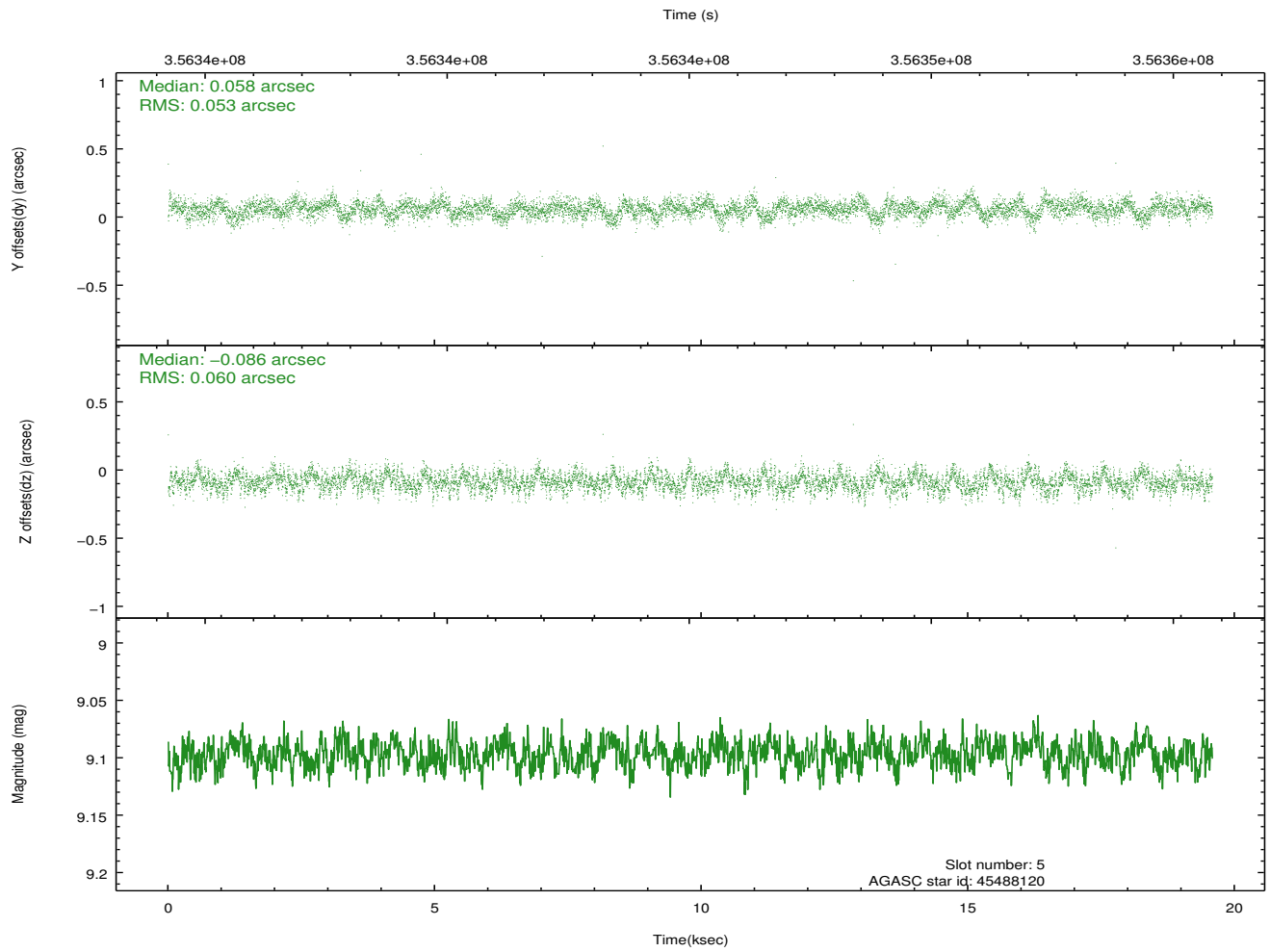
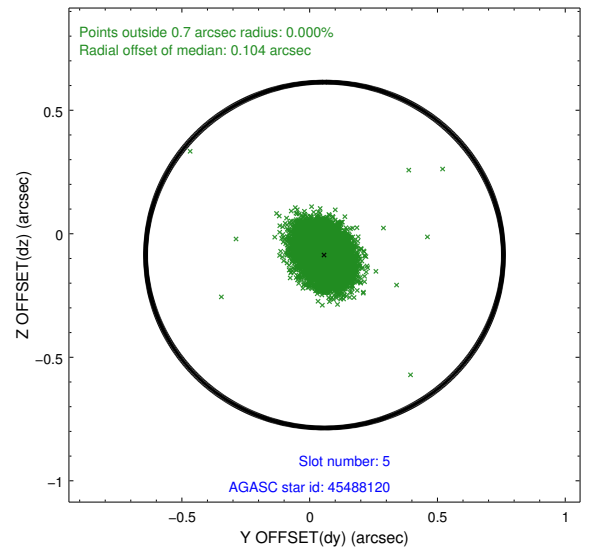
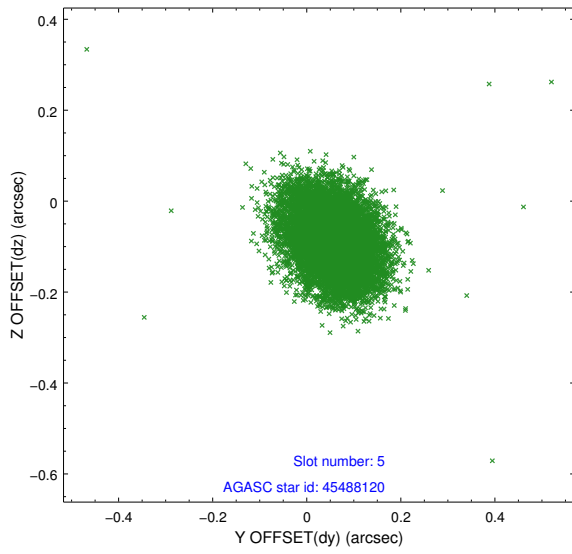
### 2.4.1 Slot 3



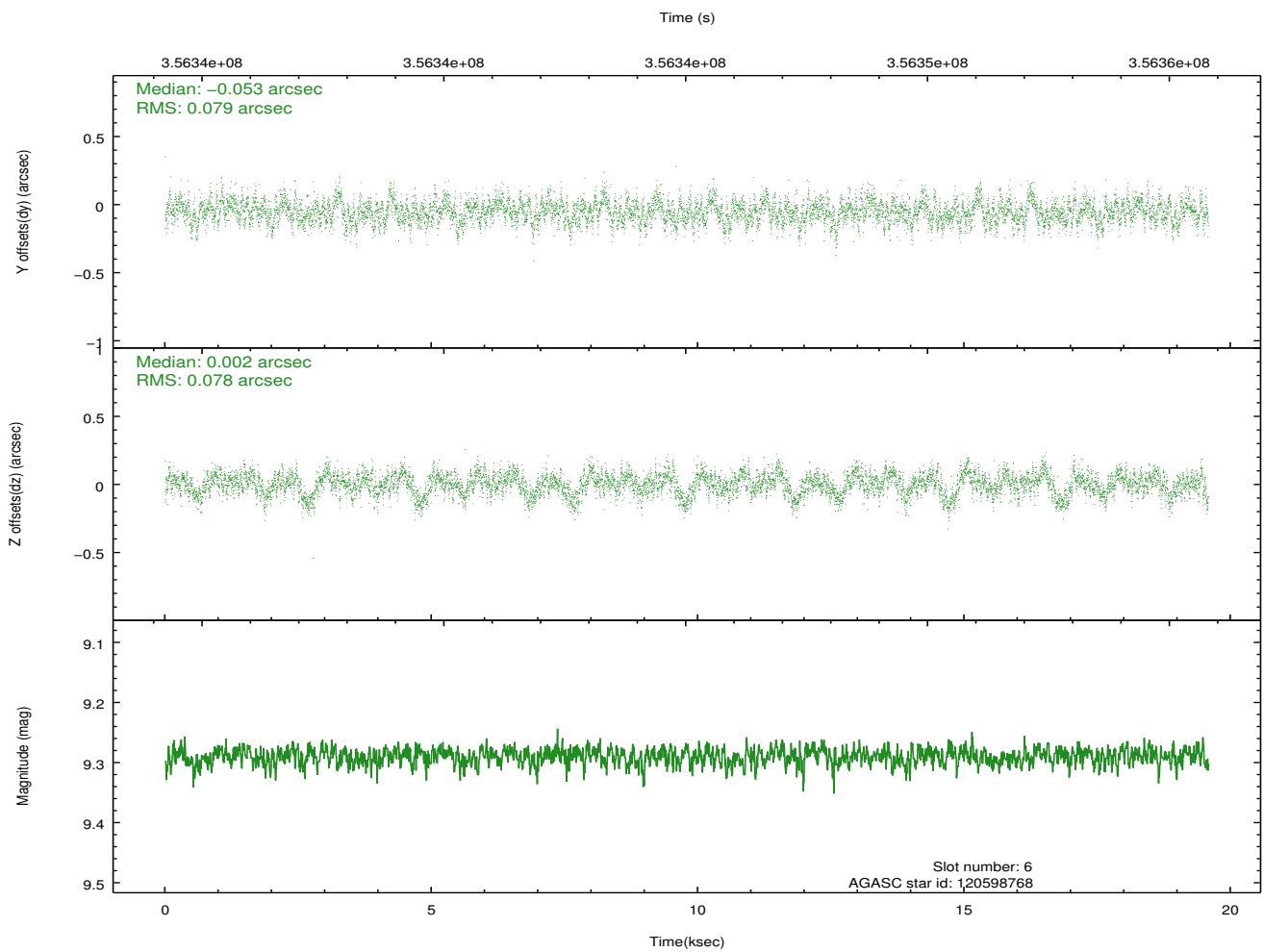
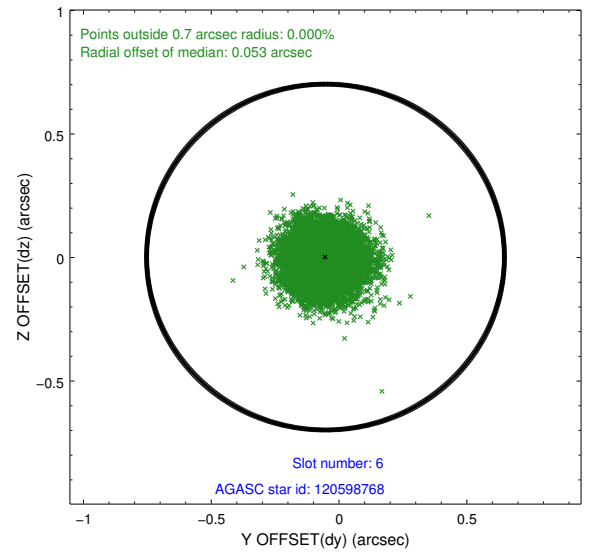
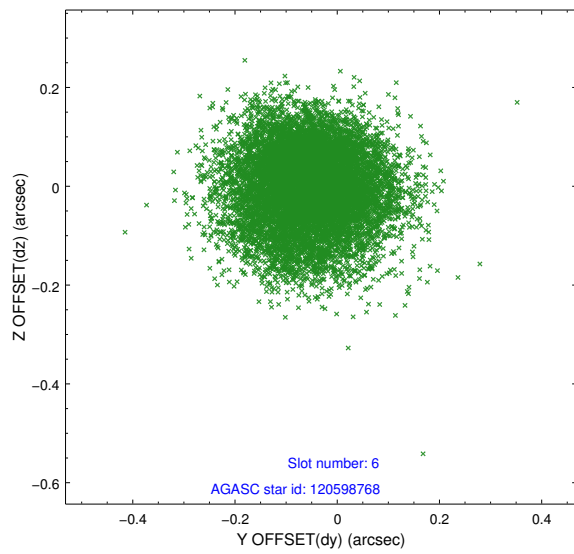
## 2.4.2 Slot 4



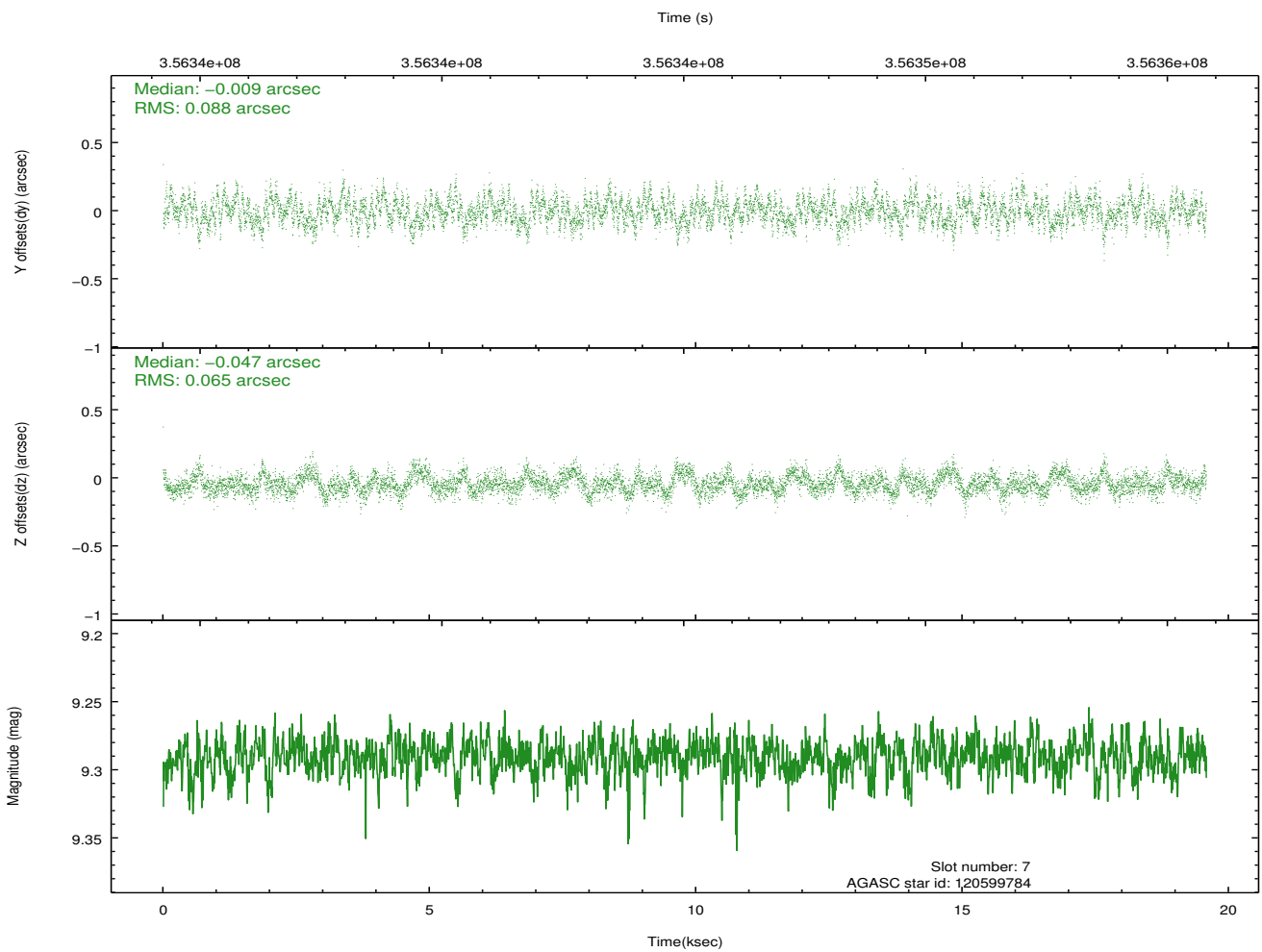
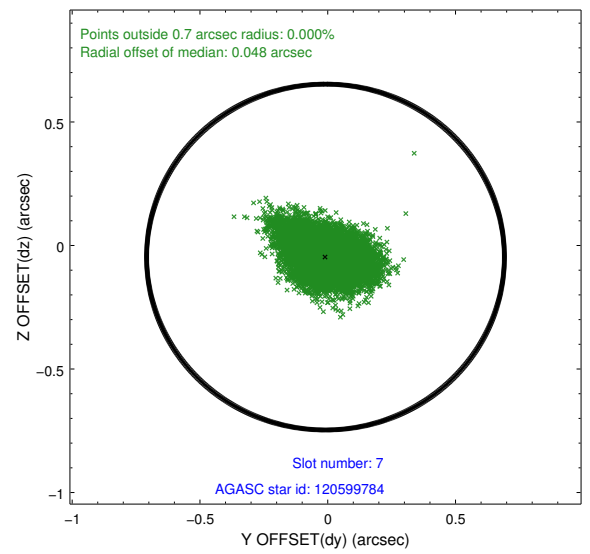
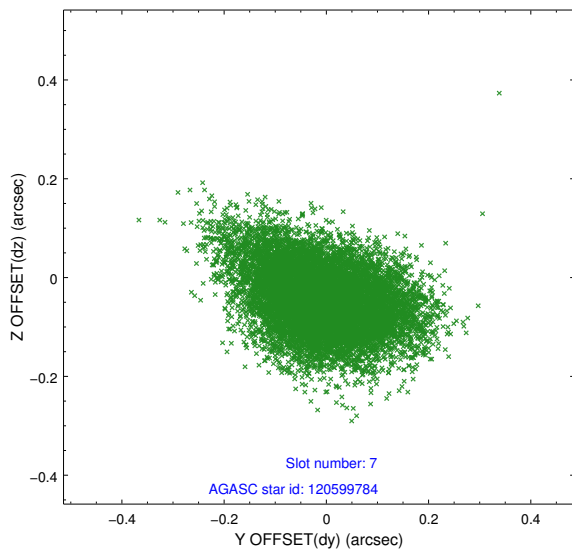
### 2.4.3 Slot 5



## 2.4.4 Slot 6

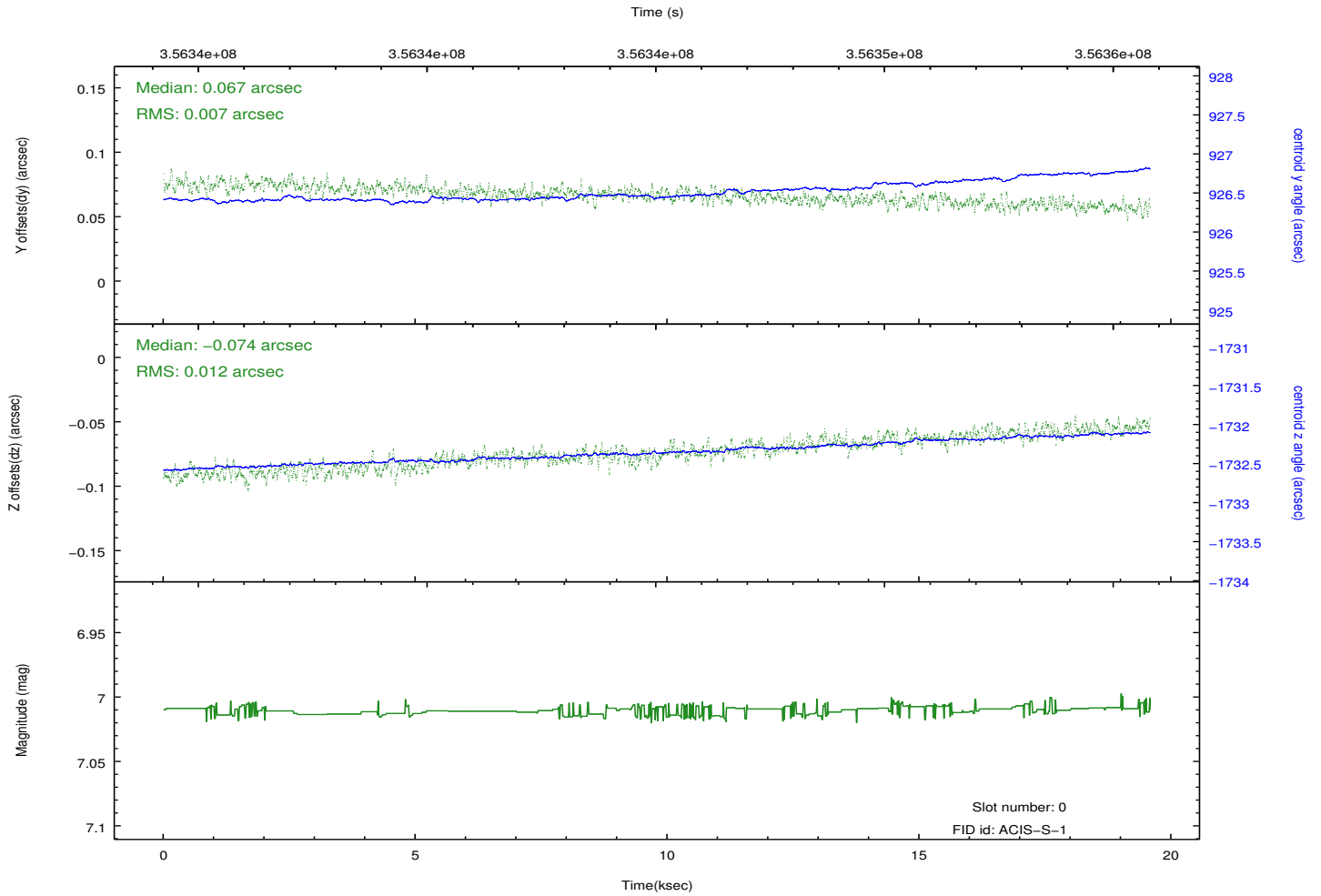
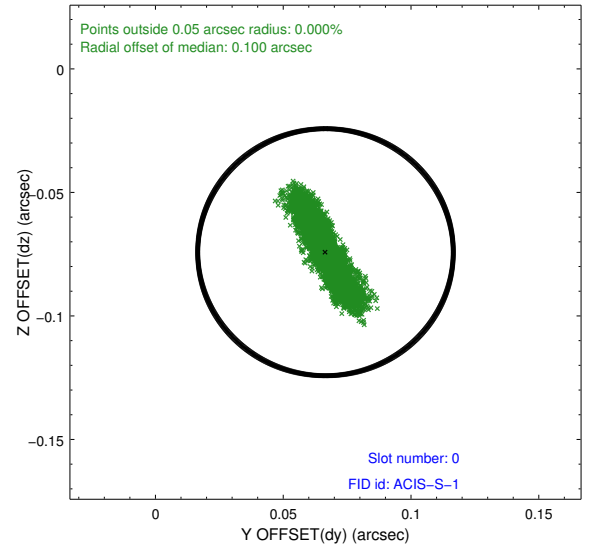
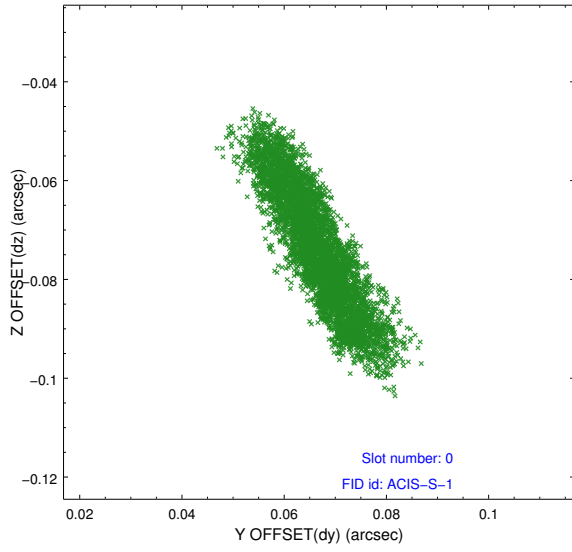


## 2.4.5 Slot 7

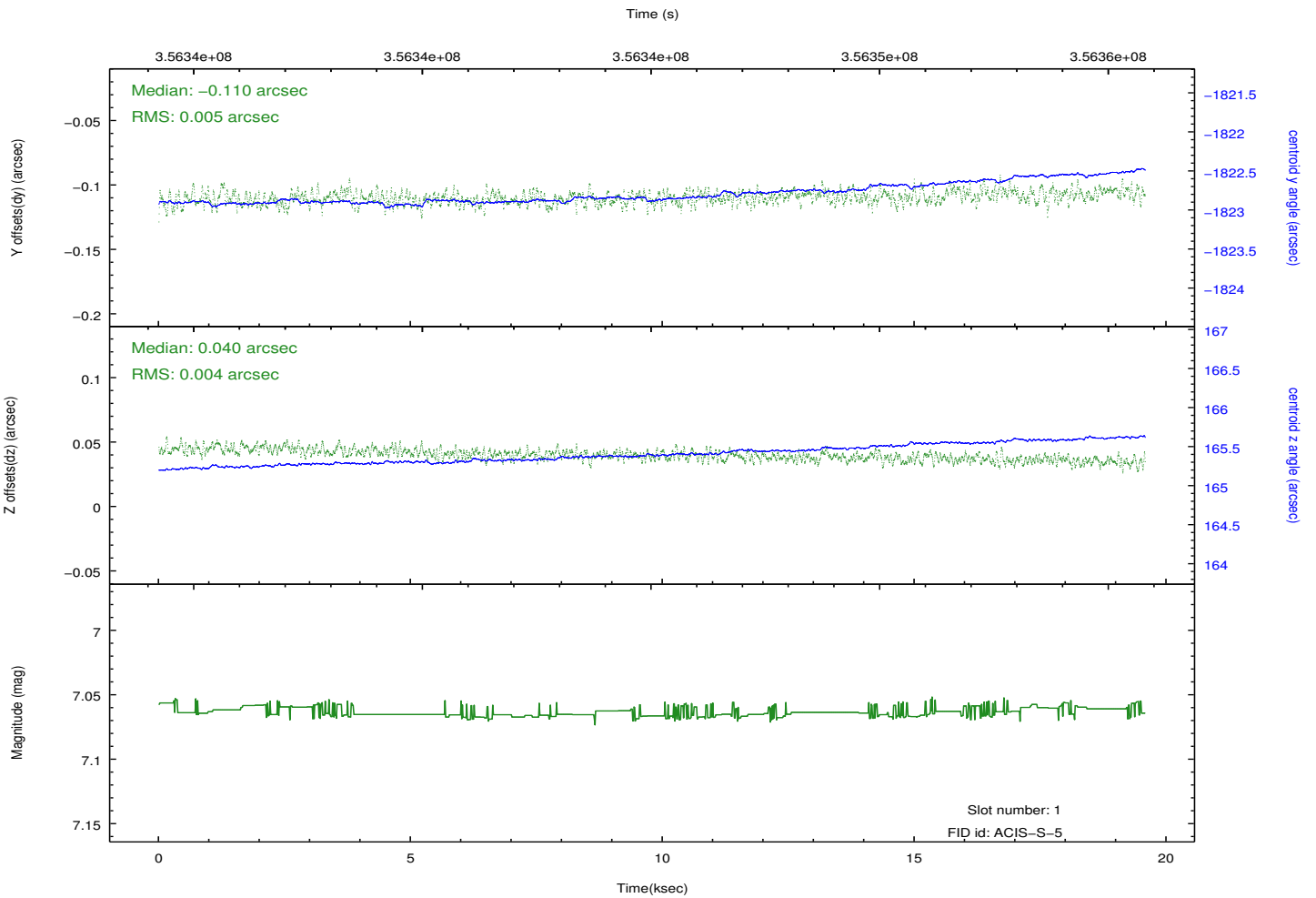
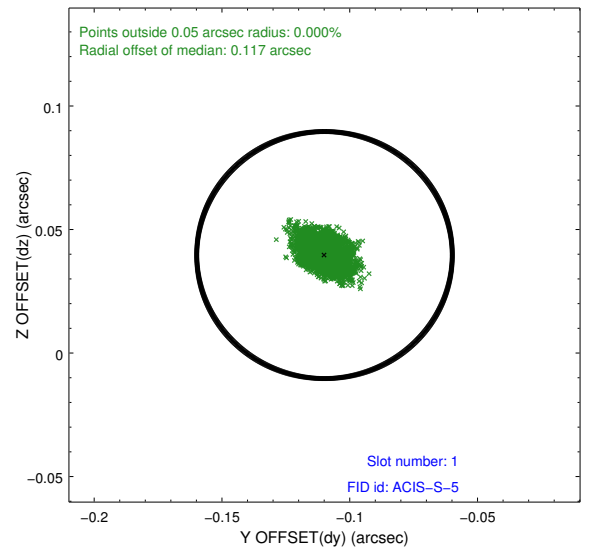
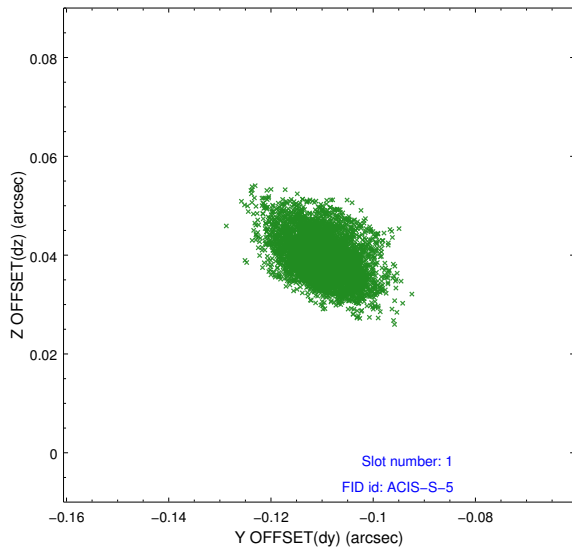


## 2.5 FID Slots

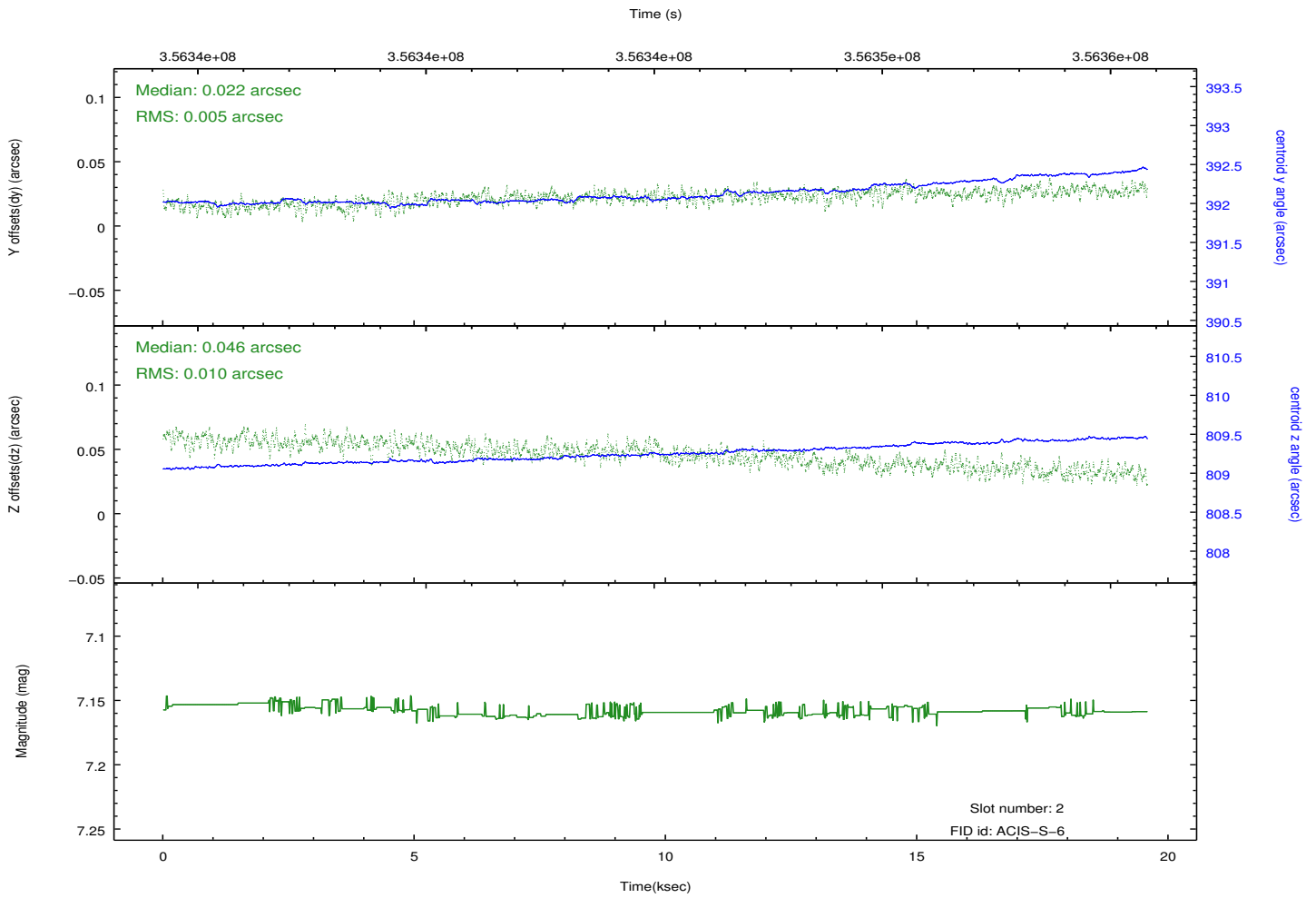
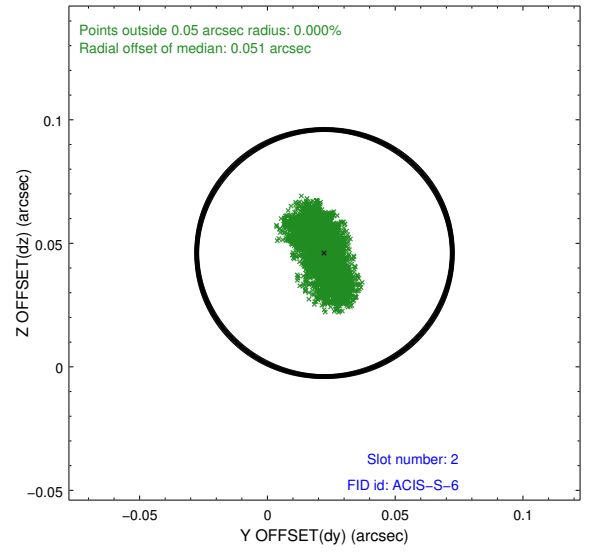
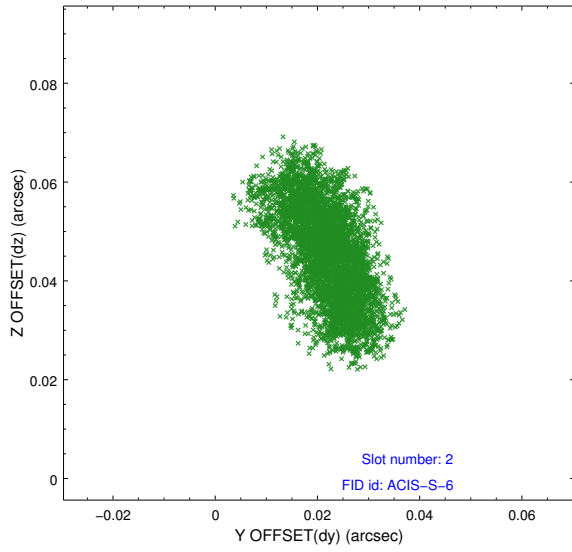
### 2.5.1 Slot 0



## 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)	2012.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.5795

### **A.2 Comments**