

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 10294 - L2 Version 2  
Chandra X-Ray Center

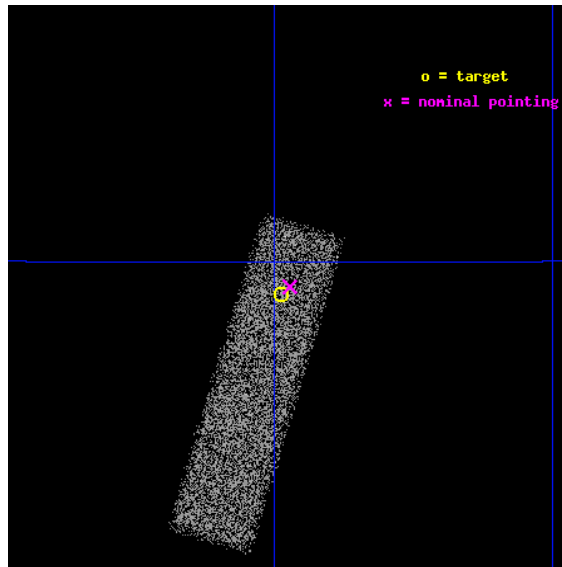
L2 Processing Date : Jun 8 2012

## 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

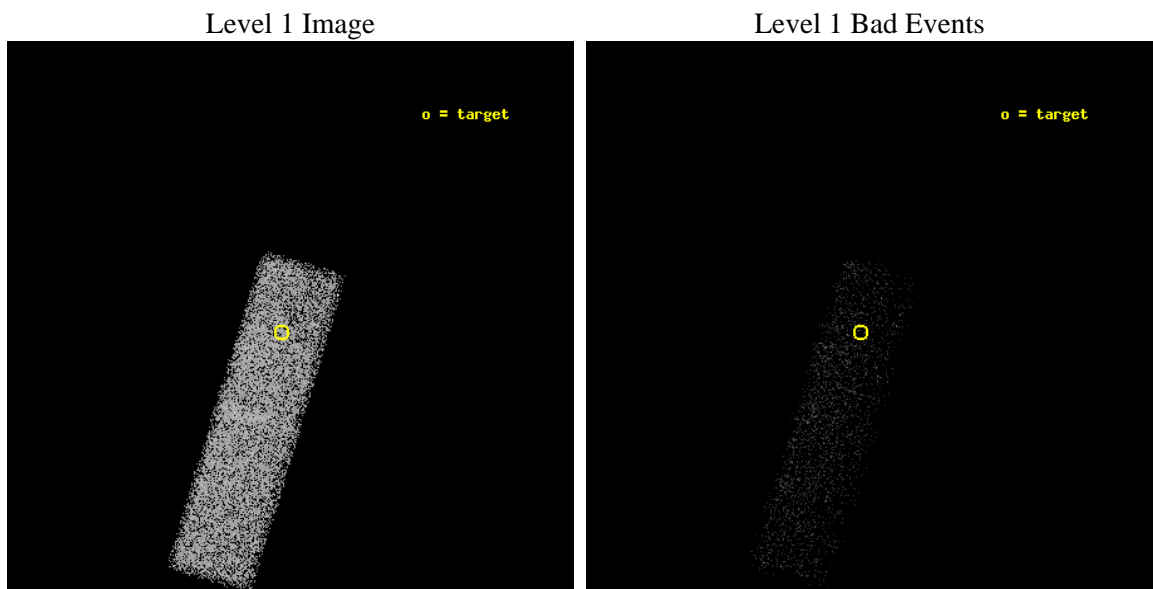
seq_num	701837	Sequence number
obs_id	10294	Observation id
title	Exploratory Chandra observations of low-metallicity AGN candidates	&#160
observer	Prof. Trinh Thuan	Principal investigator
object	J0045+1339	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	11.371667	Observer's specified target RA [deg]
dec_targ	13.6525	Observer's specified target Dec [deg]
ra_nom	11.36792497307	Nominal RA [deg]
dec_nom	13.655722864828	Nominal Dec [deg]
roll_nom	106.96120947898	Nominal Roll [deg]
revision	2	Processing version of data
ontime	12156.000181198	Sum of GTIs [s]
livetime	11562.827148481	Livetime [s]
ontime7	12156.000181198	Sum of GTIs [s]
l2events	13235	Number of level 2 events



## 2 OBI

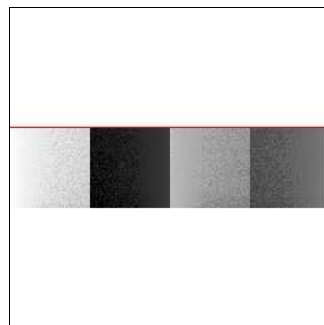
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	12156.000181198	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime7	12156.000181198	Sum of GTIs [s]
date	2012-06-08T06:11:13	Date and time of file creation	l1events	26280	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	26280
rejected events	12463
rejected %	47%

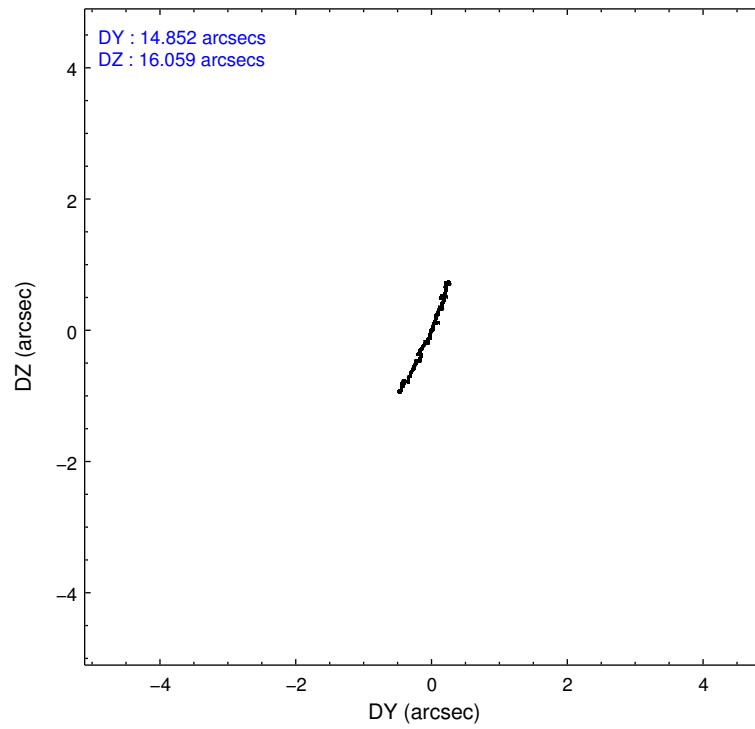
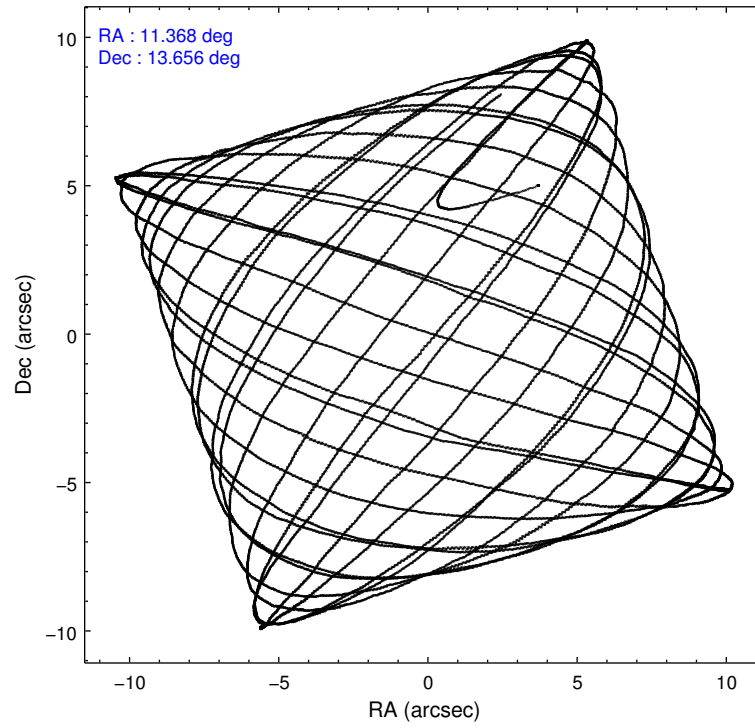
	<b>ccd 7</b>
grade 0 events	1534
	5%
grade 1 events	48
	0%
grade 2 events	2937
	11%
grade 3 events	1736
	6%
grade 4 events	1744
	6%
grade 5 events	2776
	10%
grade 6 events	6367
	24%
grade 7 events	9138
	34%

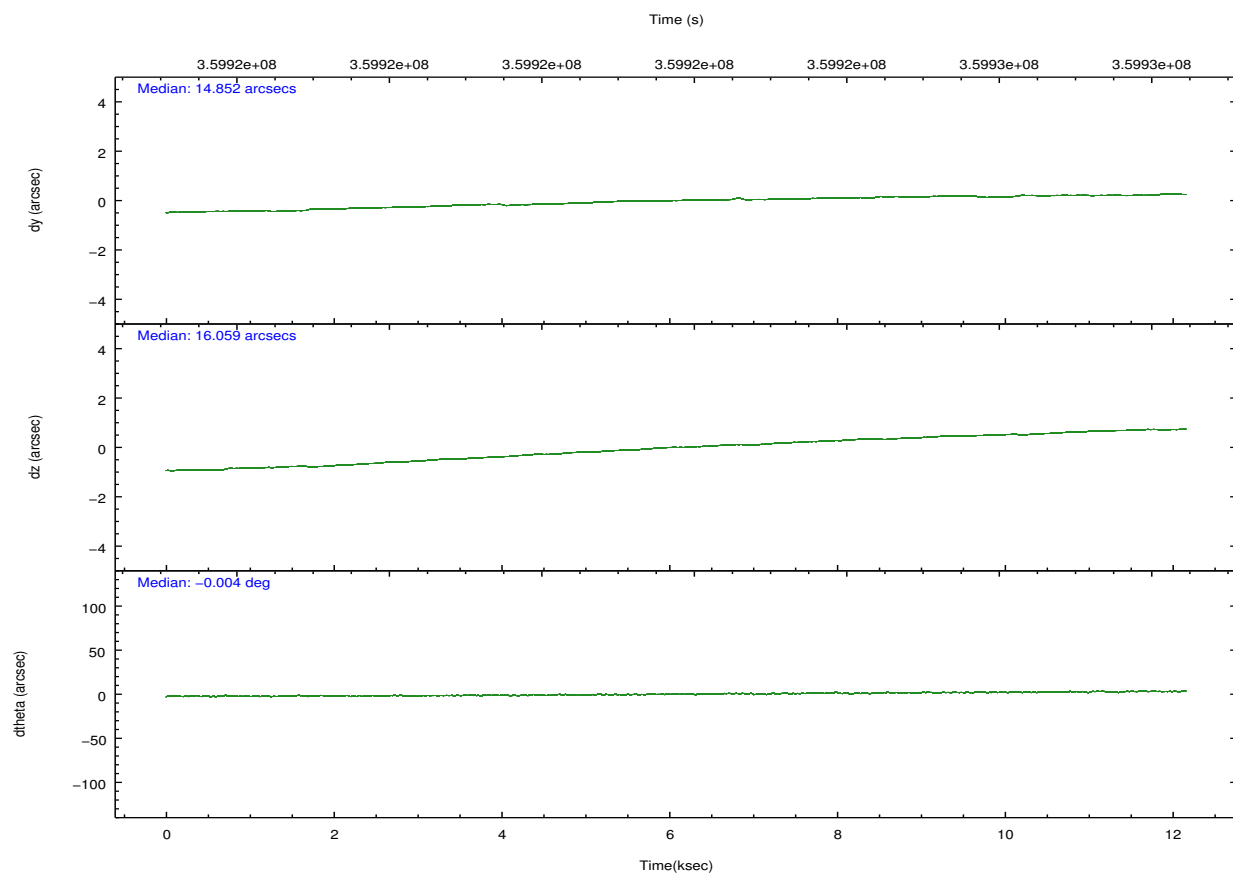
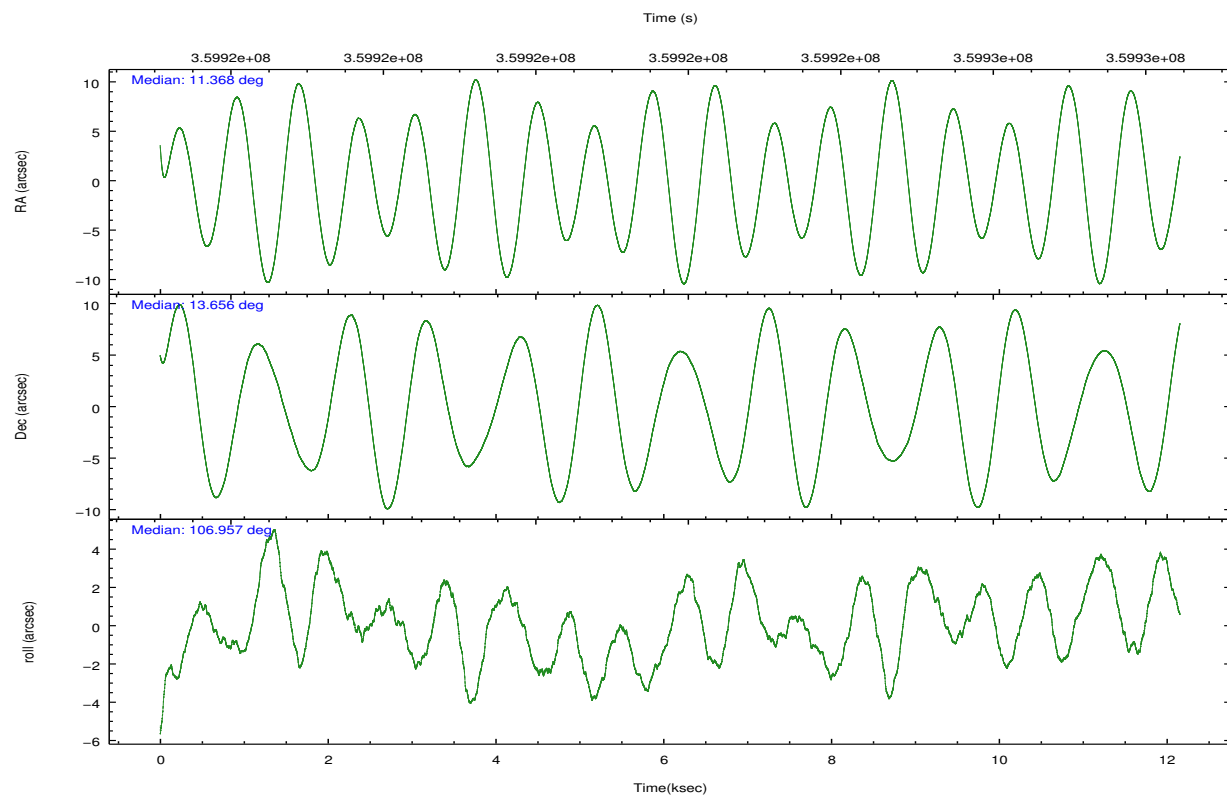


## 2.2 Compared Parameters

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	11.388748	11.36792497306951	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	13.637309	13.65572286482756	Subarray start row	385	385
[deg] Pointing Roll	106.799676	106.9612094789838	Subarray row count	256	256
[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	0.8
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	359915833.184000	359914849.01893			
Observation start date	2009-05-28T16:36:07	2009-05-28T16:20:49			
[s] Observation end time (MET)	359927833.184000	359928848.98212			
Observation end date	2009-05-28T19:56:07	2009-05-28T20:14:08			
Read mode	TIMED	TIMED			

## 2.3 Aspect



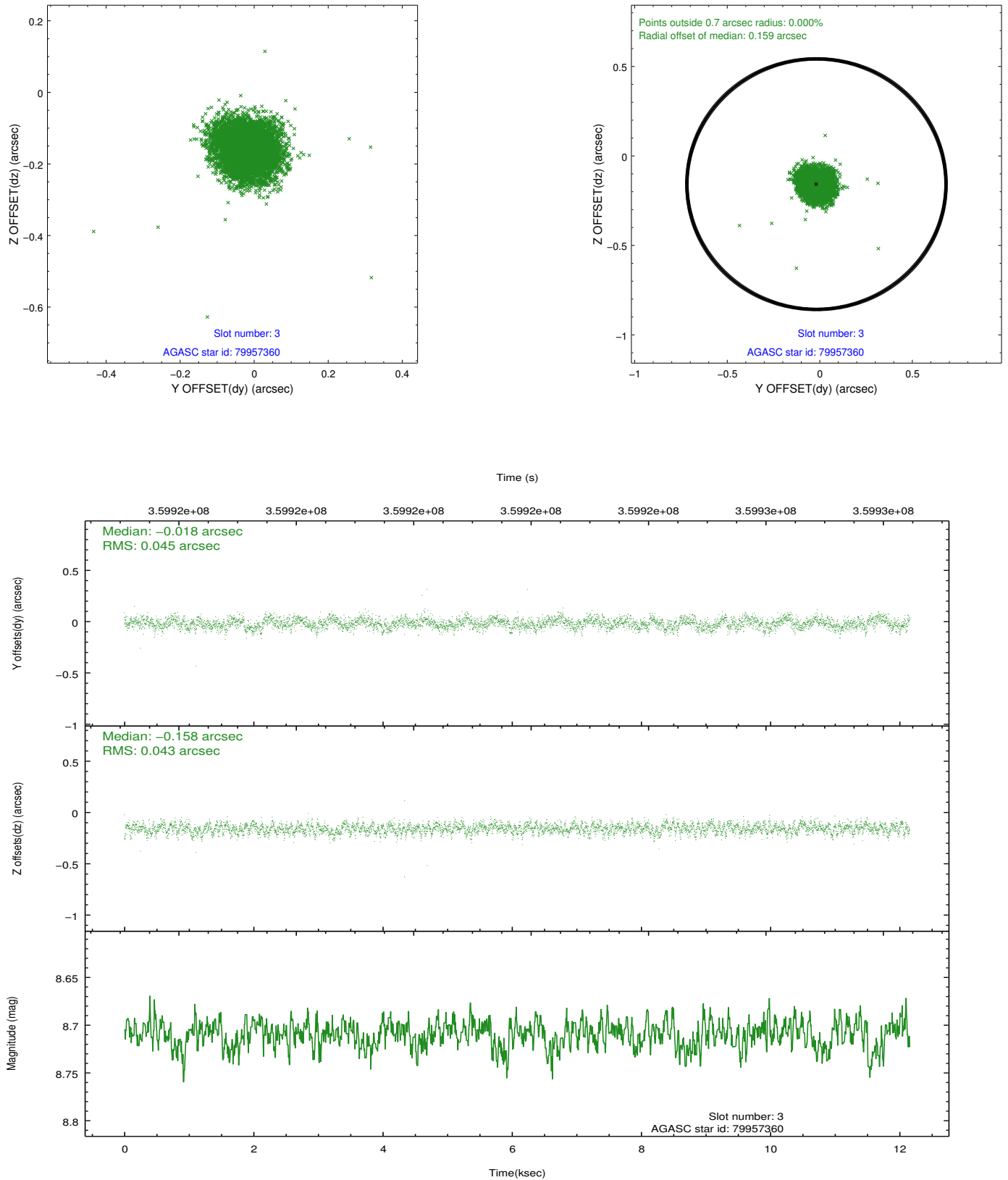


### Slot Statistics

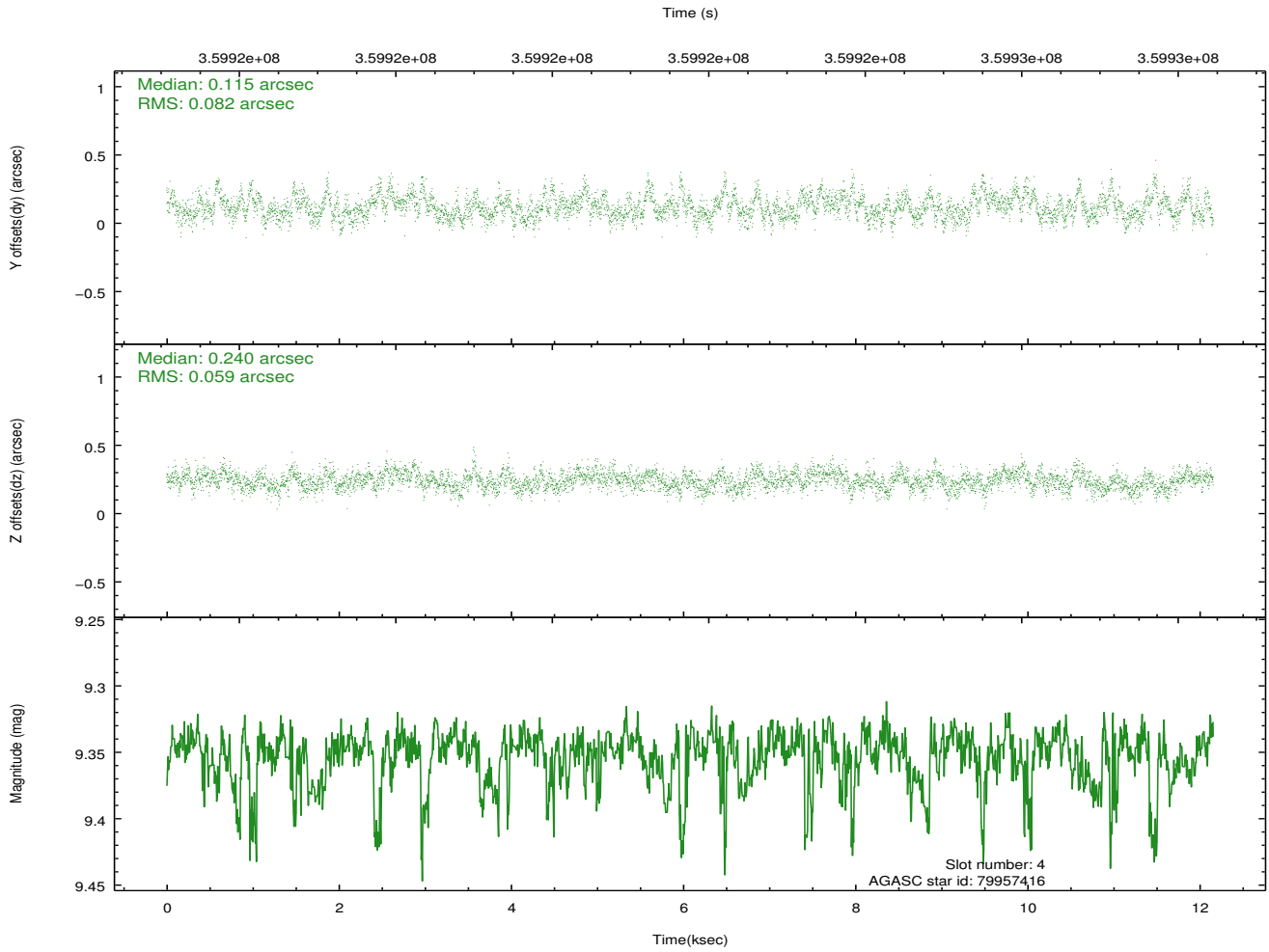
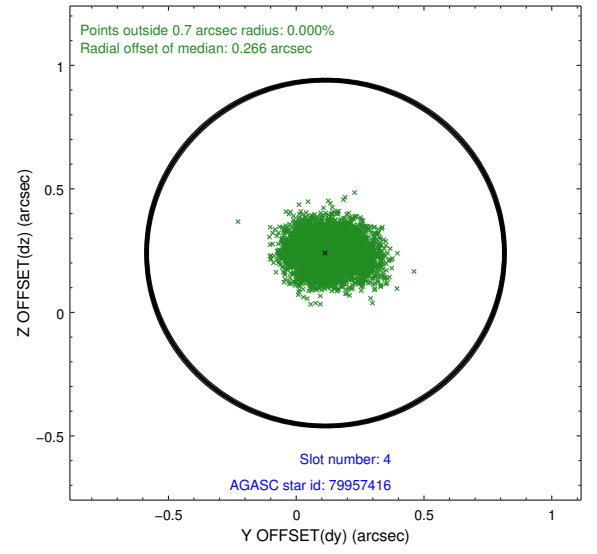
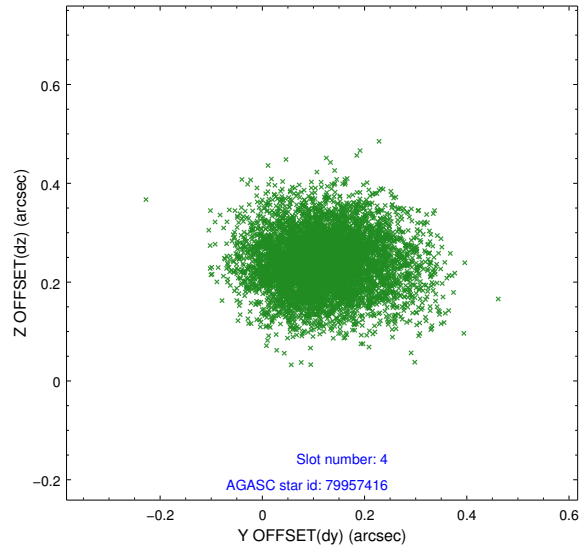
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.90	2965	-0.085	-0.029	0.010	0.018	0.000000	0.000000	-767.85	-1737.43
1	FID	ACIS-S-4	6.98	2964	0.209	0.049	0.008	0.013	0.000000	0.000000	2145.54	170.70
2	FID	ACIS-S-5	7.01	2965	-0.156	-0.012	0.011	0.016	0.000000	0.000000	-1820.24	164.78
3	GUIDE	79957360	8.71	5927	-0.018	-0.158	0.066	0.106	10.588863	13.994465	2042.46	2301.48
4	GUIDE	79957416	9.35	5924	0.115	0.240	0.106	0.178	11.612216	14.315431	2112.50	-1451.29
5	GUIDE	79958736	9.12	5924	-0.147	-0.197	0.088	0.141	10.638391	13.926139	1756.90	2208.05
6	GUIDE	79959104	7.21	5929	0.181	0.234	0.055	0.089	11.623389	13.152083	-1909.18	-282.31
7	GUIDE	79961808	9.06	5919	-0.139	-0.116	0.079	0.130	10.853697	13.930737	1553.03	1483.71

## 2.4 Star Slots

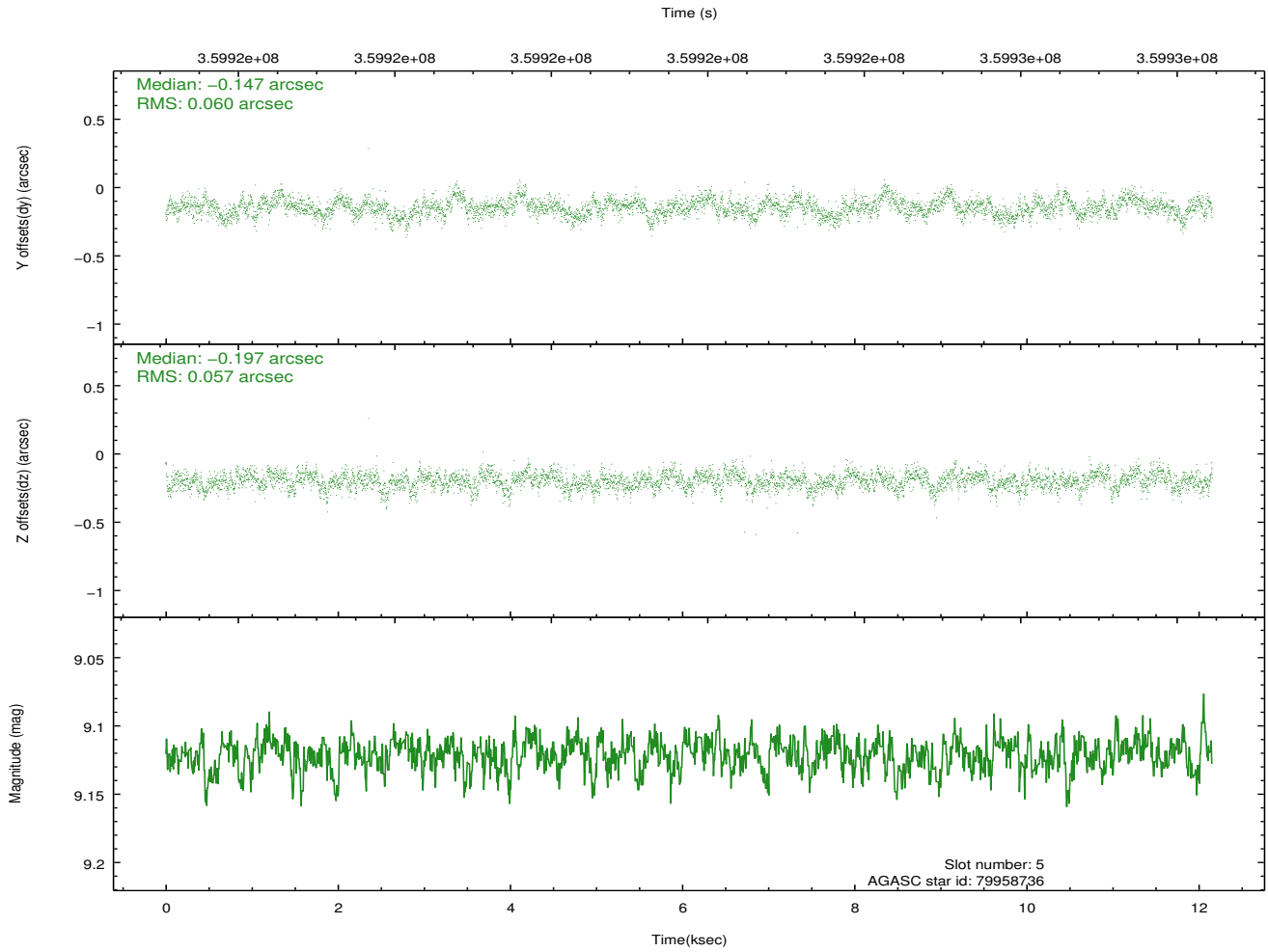
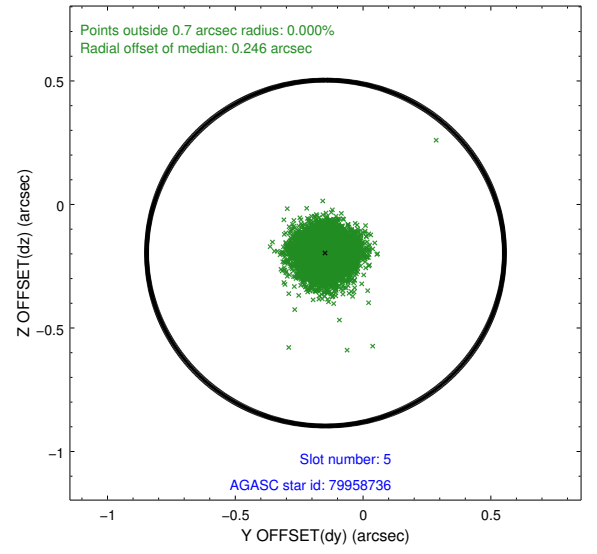
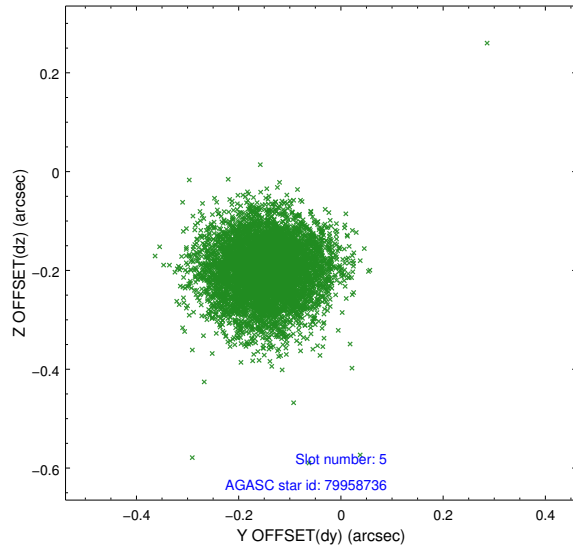
### 2.4.1 Slot 3



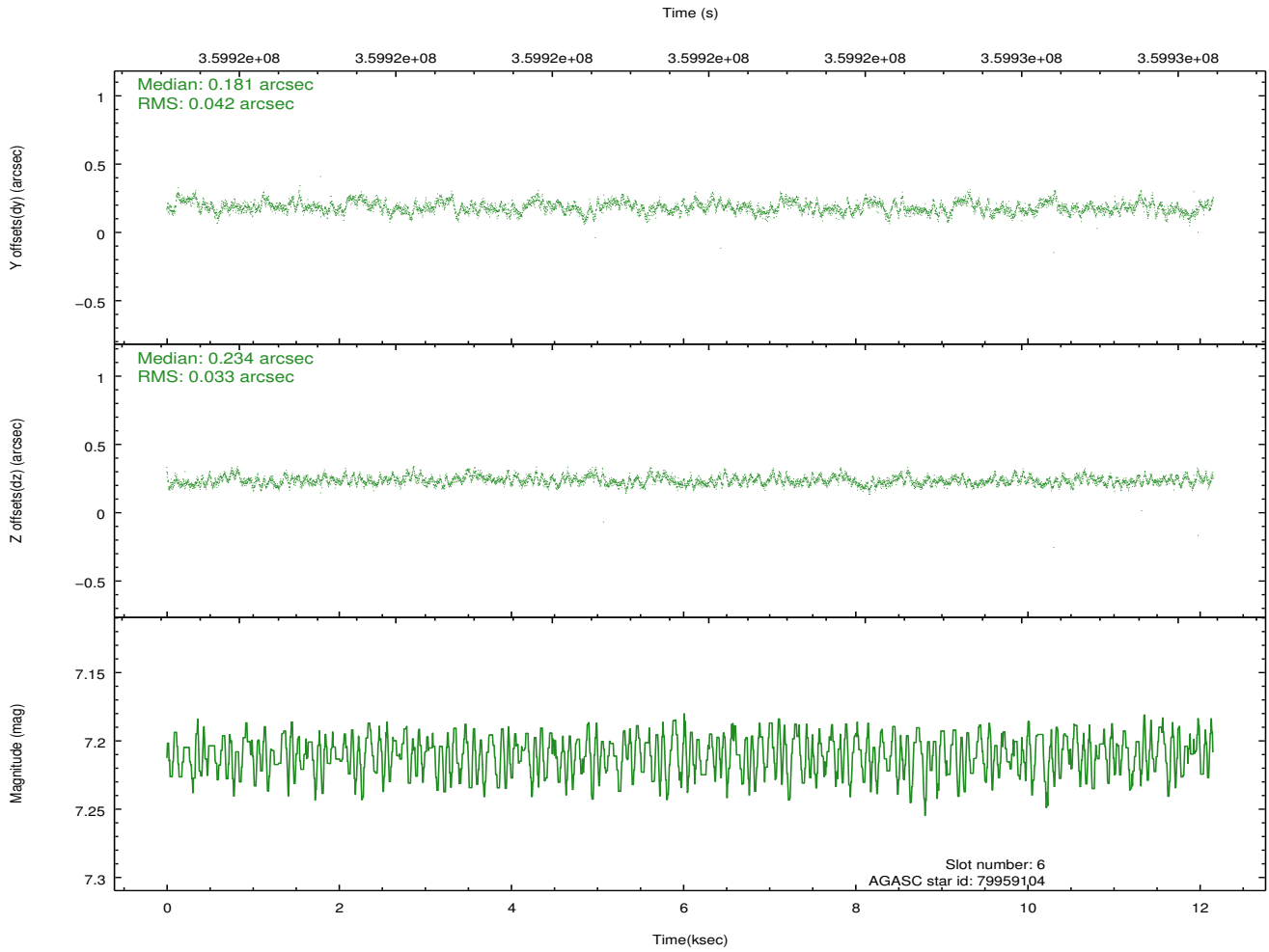
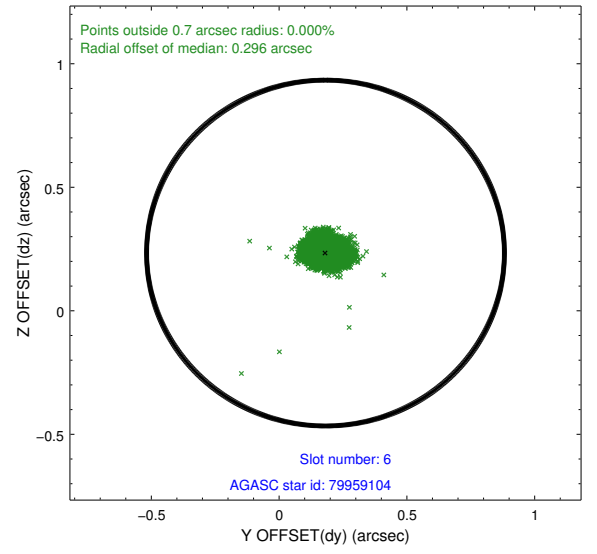
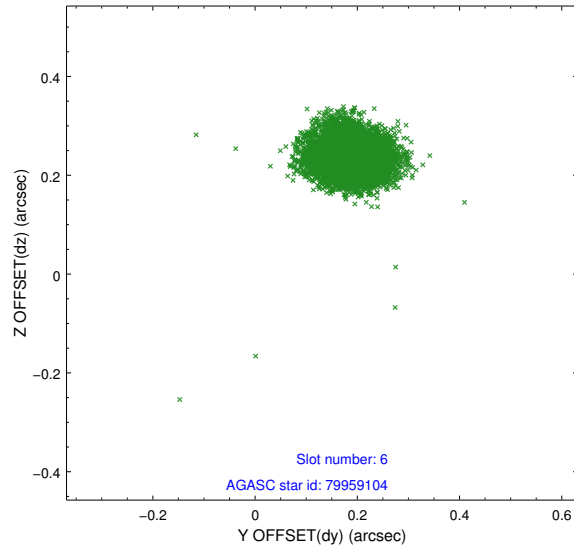
## 2.4.2 Slot 4



### 2.4.3 Slot 5

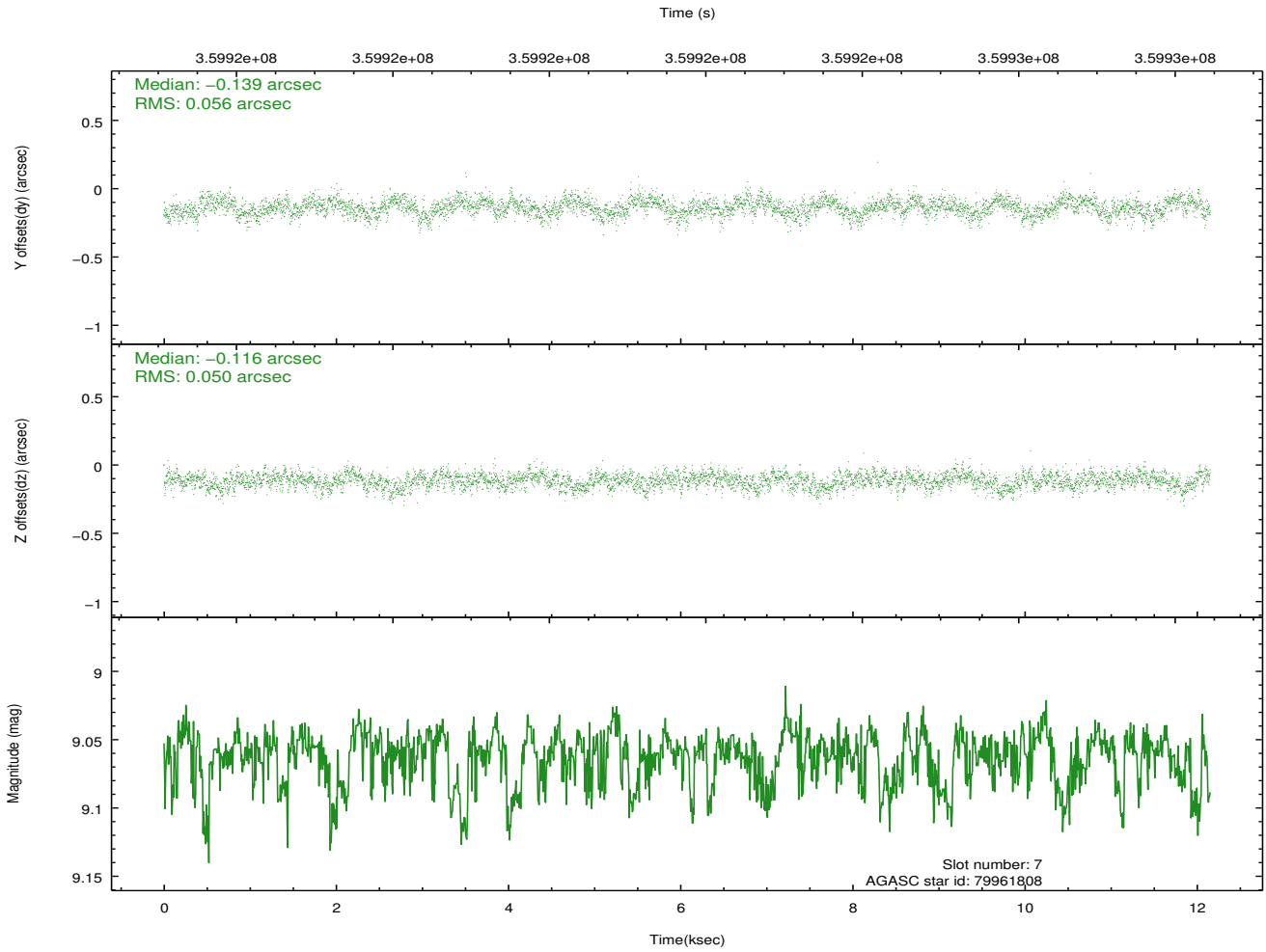
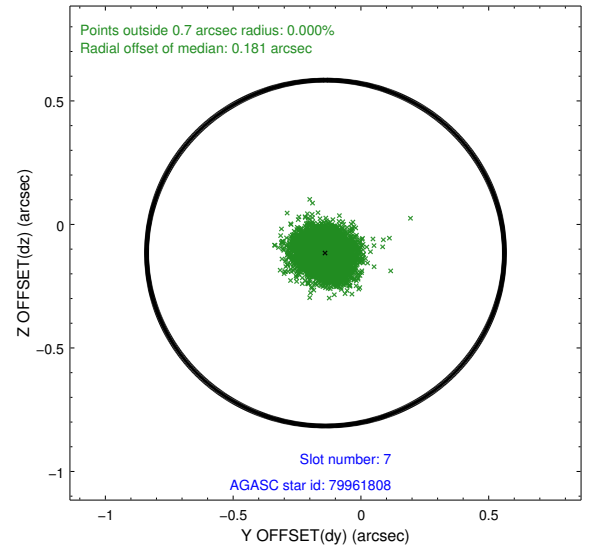
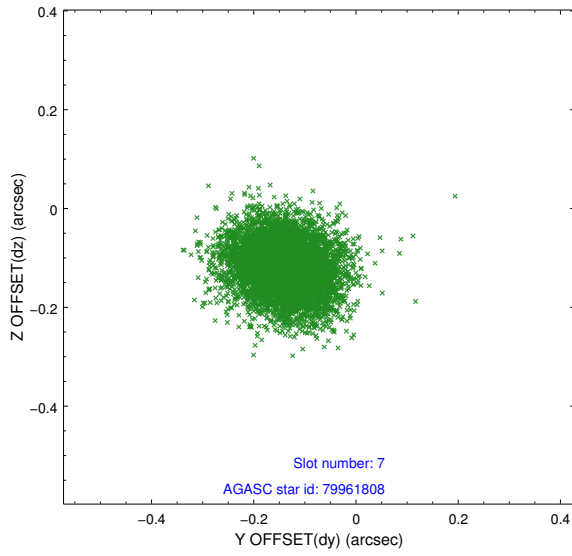


## 2.4.4 Slot 6



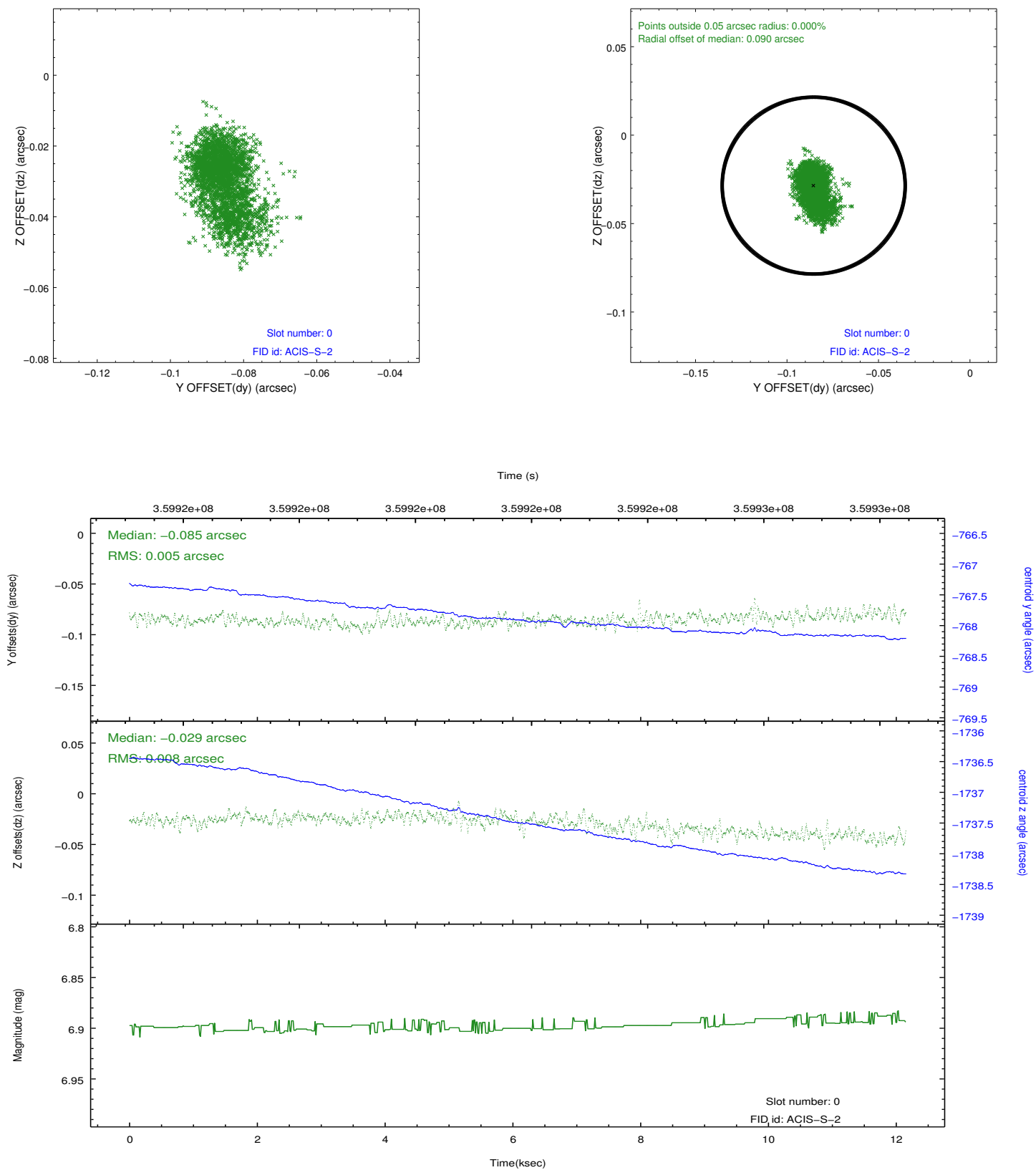


## 2.4.5 Slot 7

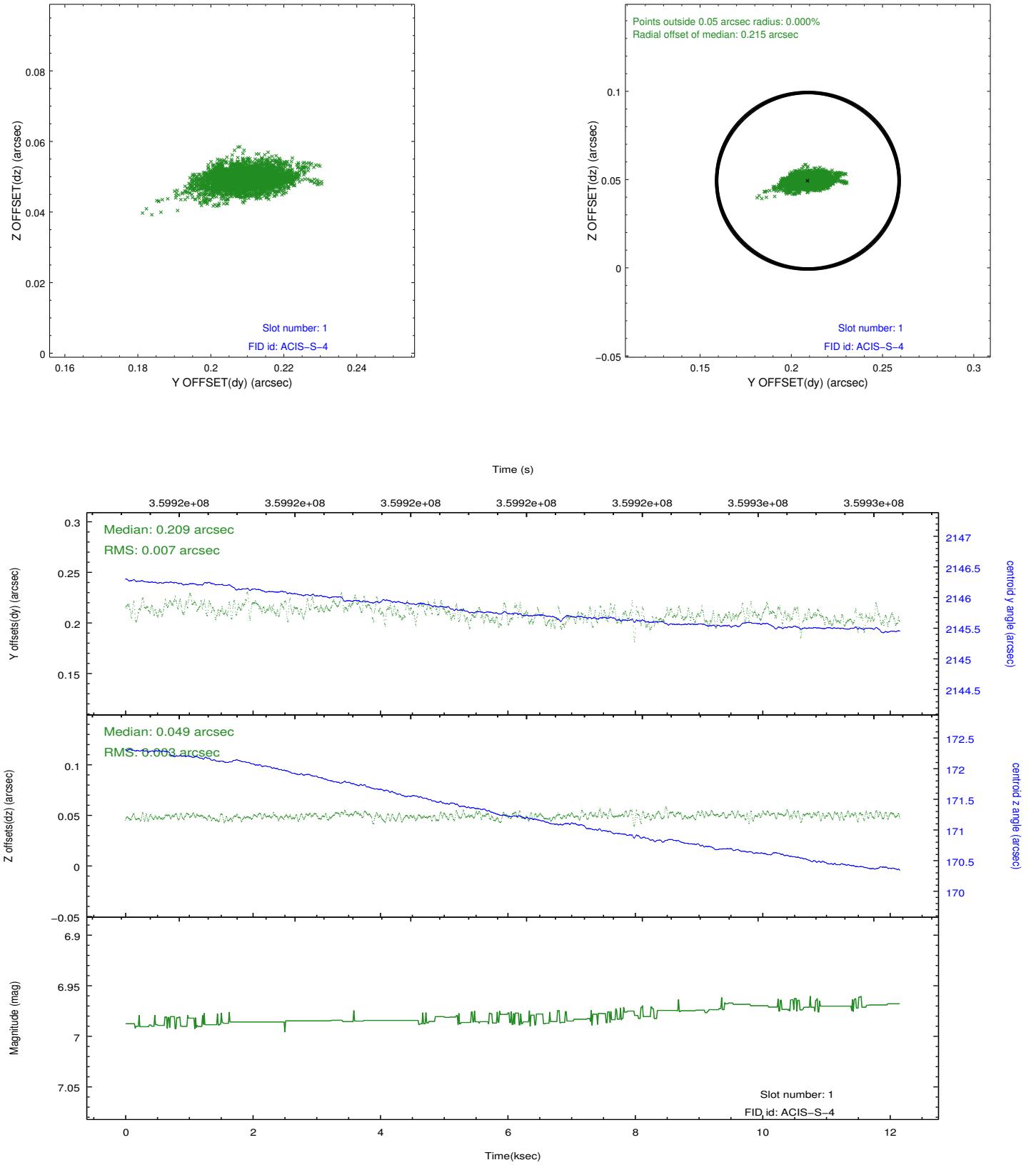


## 2.5 FID Slots

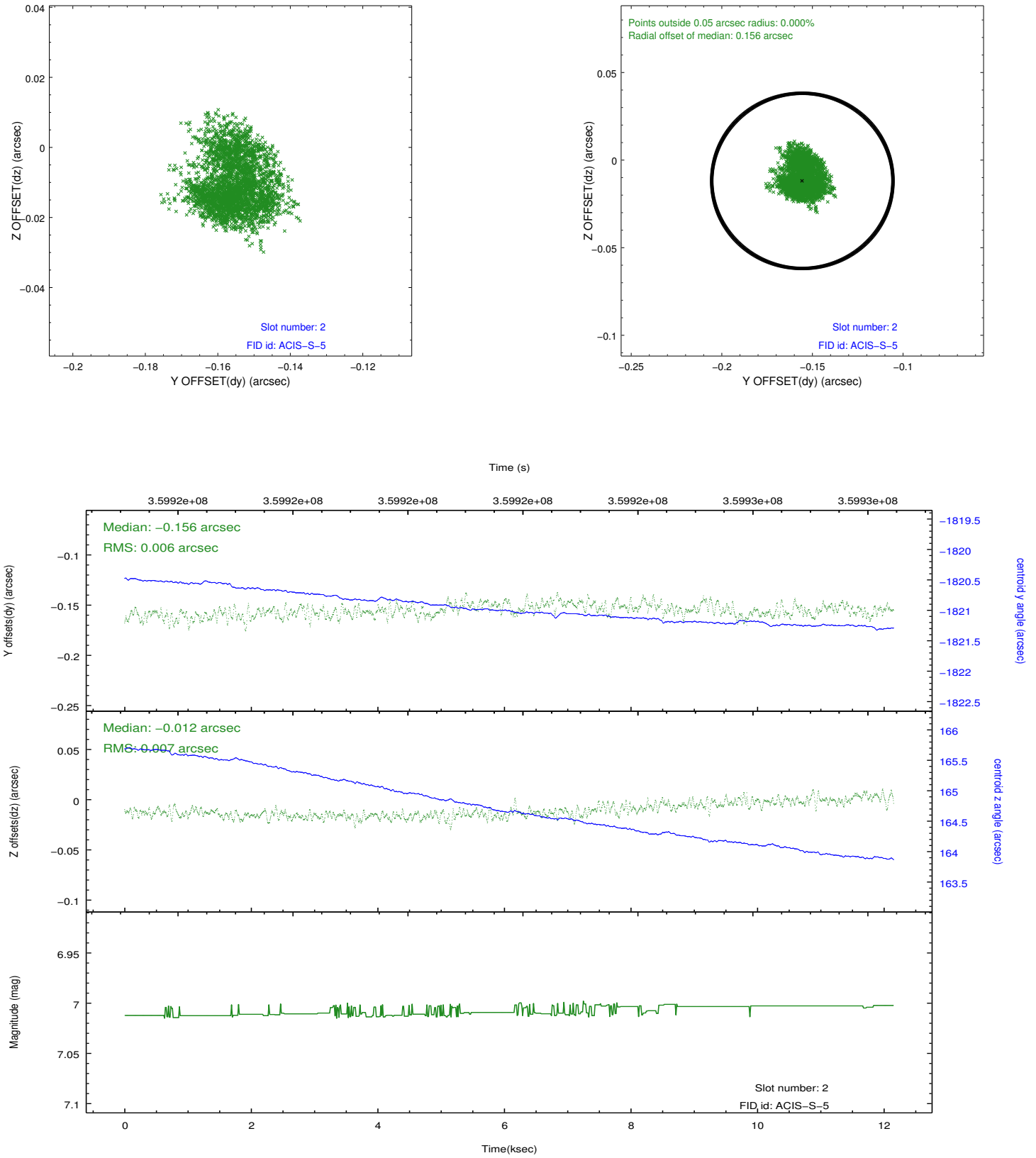
### 2.5.1 Slot 0



## 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)	2012.06.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.1560001

### A.2 Comments