

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 1616 - L2 Version 3  
Chandra X-Ray Center

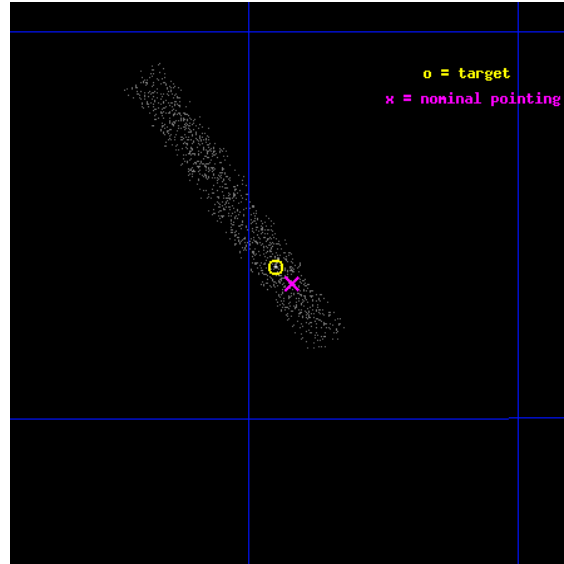
L2 Processing Date : Sep 14 2012

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# 1 Front

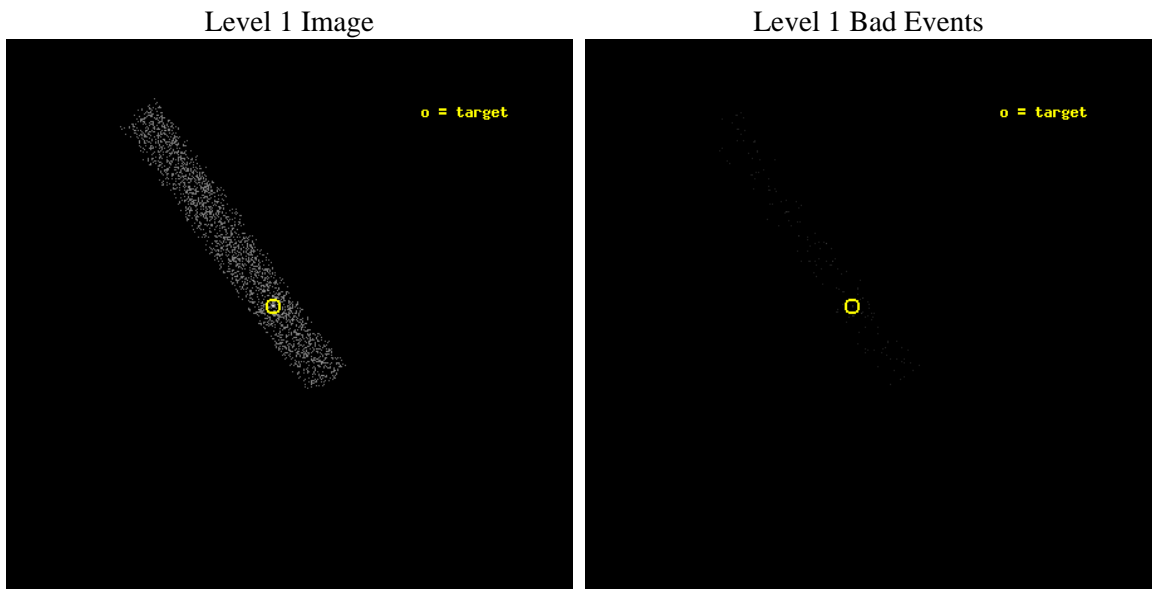
seq_num	700232	Sequence number
obs_id	1616	Observation id
title	STUDIES OF RADIO JETS AND THE NARROW LINE REGIONS OF ACTIVE GALAXIES	&#160
observer	Professor Andrew Wilson	Principal investigator
object	NGC3226	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	155.8625	Observer's specified target RA [deg]
dec_targ	19.898444	Observer's specified target Dec [deg]
ra_nom	155.85509778327	Nominal RA [deg]
dec_nom	19.891242013611	Nominal Dec [deg]
roll_nom	234.58576657122	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2456.8000366092	Sum of GTIs [s]
livetime	2228.1879526657	Livetime [s]
ontime7	2456.8000366092	Sum of GTIs [s]
l2events	1484	Number of level 2 events



## 2 OBI

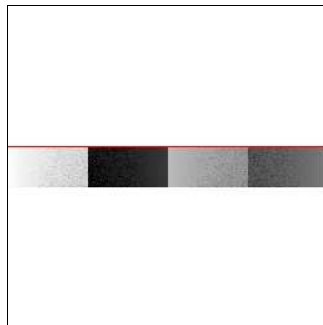
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2456.8000366092	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime7	2456.8000366092	Sum of GTIs [s]
date	2012-09-14T05:33:12	Date and time of file creation	l1events	3975	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

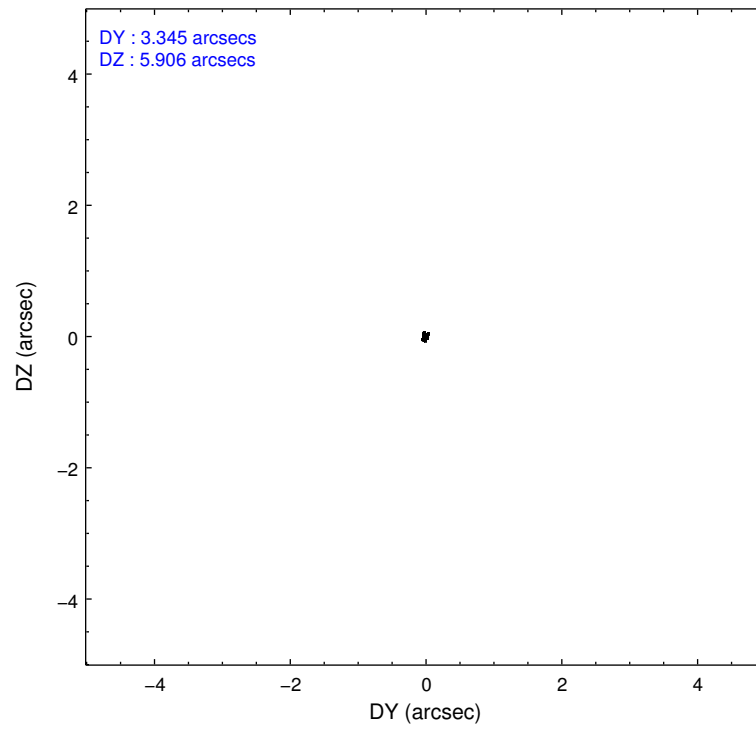
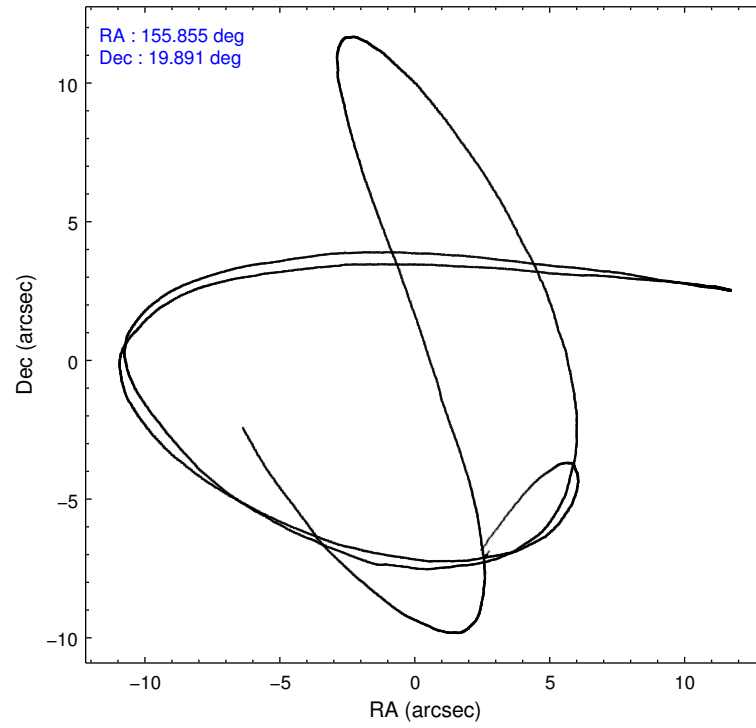
	<b>ccd 7</b>
level 1 events	3975
rejected events	2437
rejected %	61%

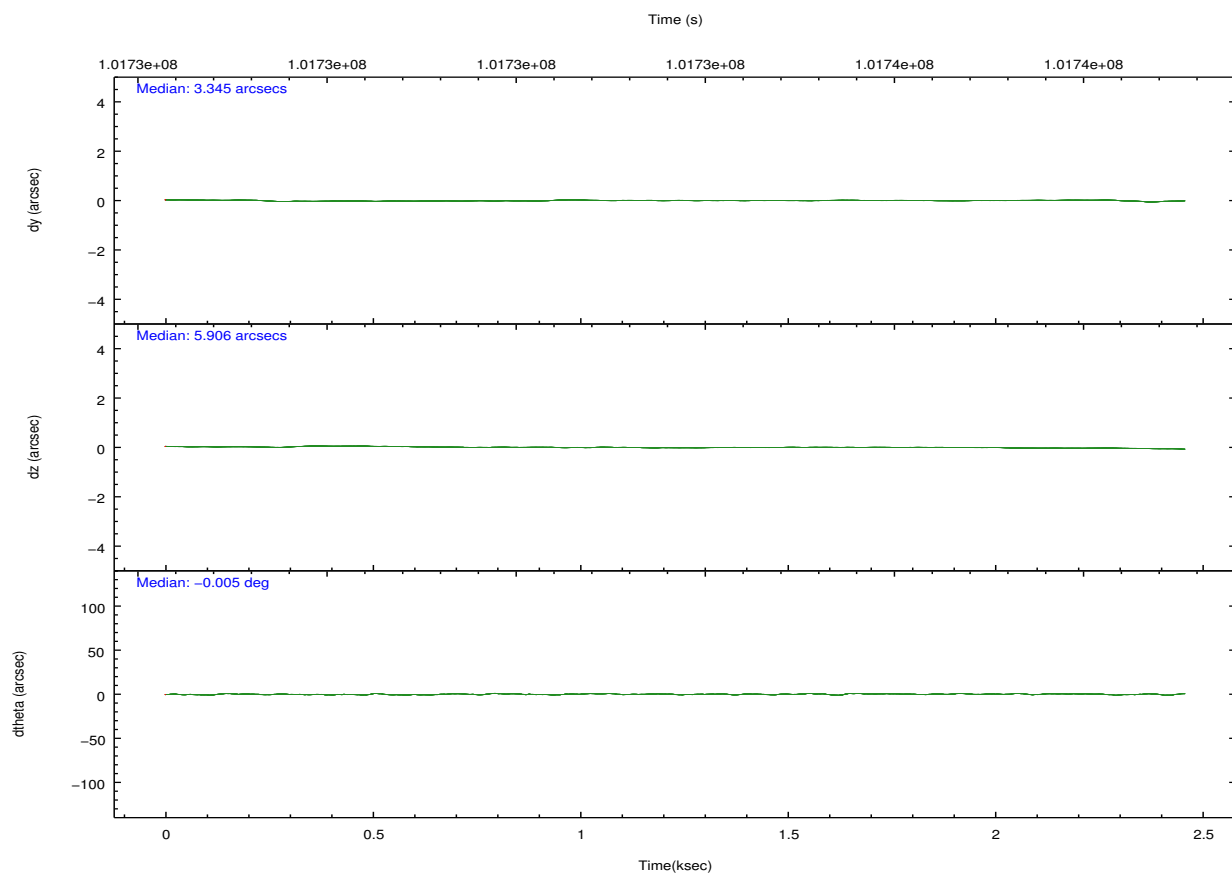
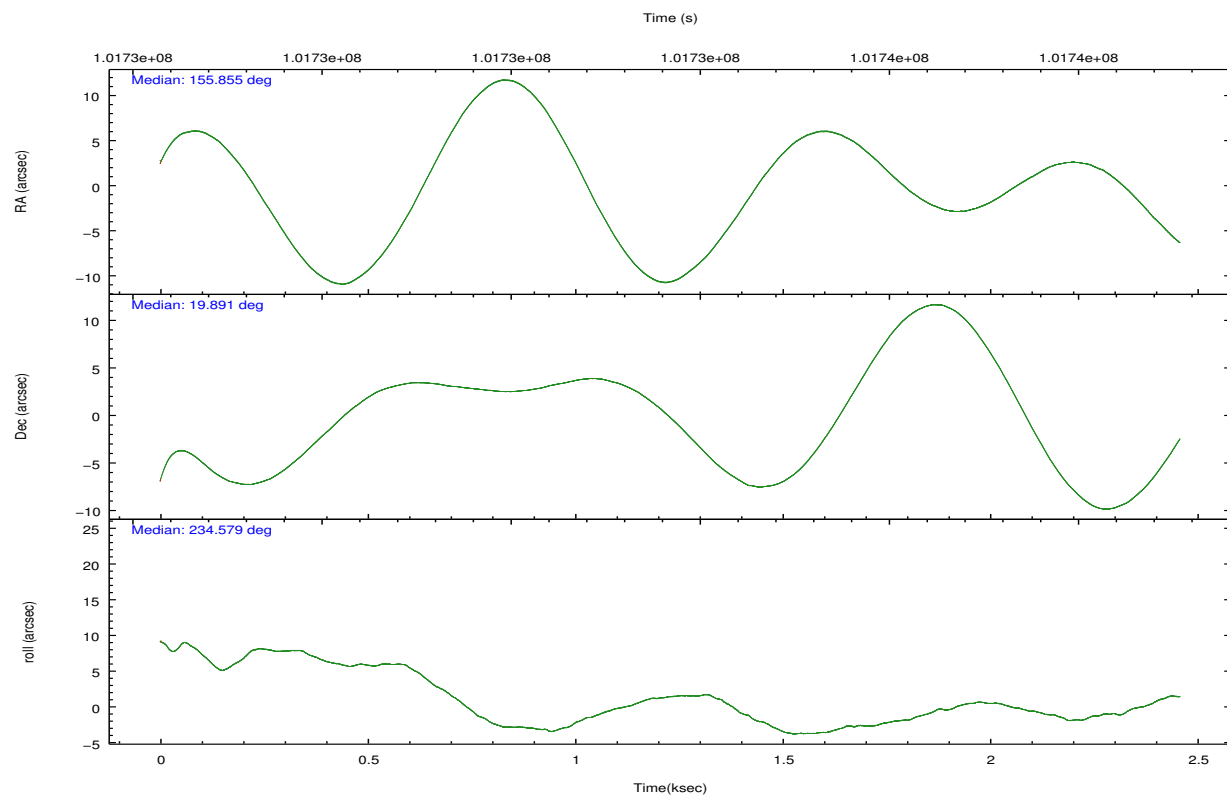
	<b>ccd 7</b>
grade 0 events	286
	7%
grade 1 events	5
	0%
grade 2 events	401
	10%
grade 3 events	237
	5%
grade 4 events	266
	6%
grade 5 events	344
	8%
grade 6 events	817
	20%
grade 7 events	1619
	40%

## 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	155.857501	155.8550977832721	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	19.918806	19.89124201361149	Subarray start row	447	447
[deg] Pointing Roll	234.428307	234.5857665712172	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)	101733348.184000	101732264.70992			
Observation start date	2001-03-23T11:14:44	2001-03-23T10:57:44			
[s] Observation end time (MET)	101735648.184000	101736524.09758			
Observation end date	2001-03-23T11:53:04	2001-03-23T12:08:44			
Read mode	TIMED	TIMED			

## 2.3 Aspect





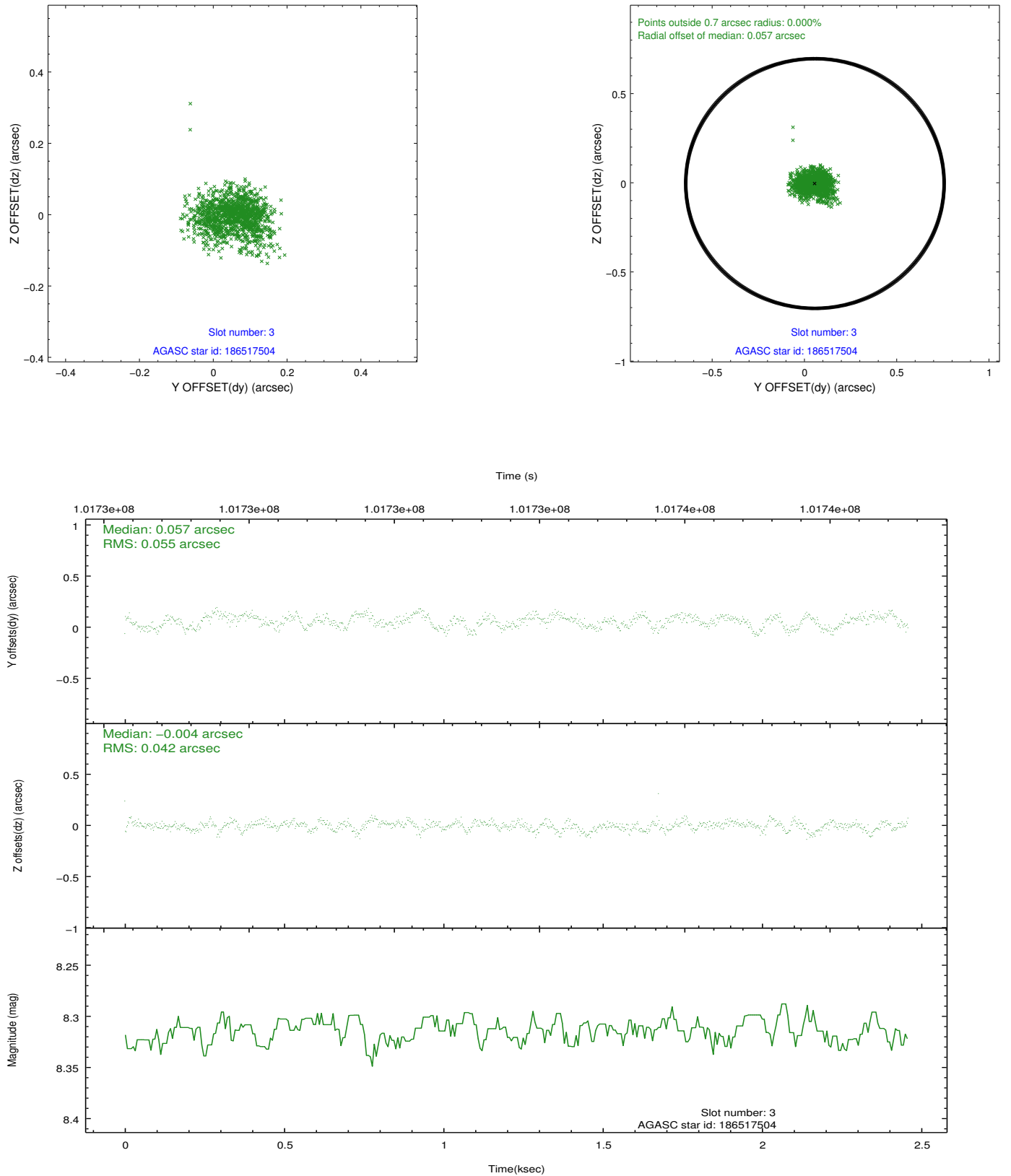
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	600	0.046	0.020	0.006	0.010	0.000000	0.000000	-755.93	-1727.03
1	FID	ACIS-S-3	7.36	600	-0.098	-0.070	0.007	0.011	0.000000	0.000000	55.87	-1859.05
2	FID	ACIS-S-4	7.19	600	0.025	0.053	0.005	0.009	0.000000	0.000000	2157.47	178.58
3	GUIDE	186517504	8.31	1200	0.057	-0.004	0.073	0.117	155.199091	19.538995	2406.78	-1024.33
4	GUIDE	186915152	8.62	1200	-0.090	-0.075	0.054	0.093	155.481319	20.053598	344.74	-1319.21
5	GUIDE	186515560	9.37	1200	-0.056	-0.015	0.091	0.141	155.836391	19.698002	686.86	402.71
6	GUIDE	186517264	9.02	1200	0.064	-0.008	0.061	0.102	155.474034	19.793179	1121.56	-794.34
7	GUIDE	186517432	9.11	1199	0.024	0.108	0.068	0.112	155.977538	19.585156	739.41	1028.83

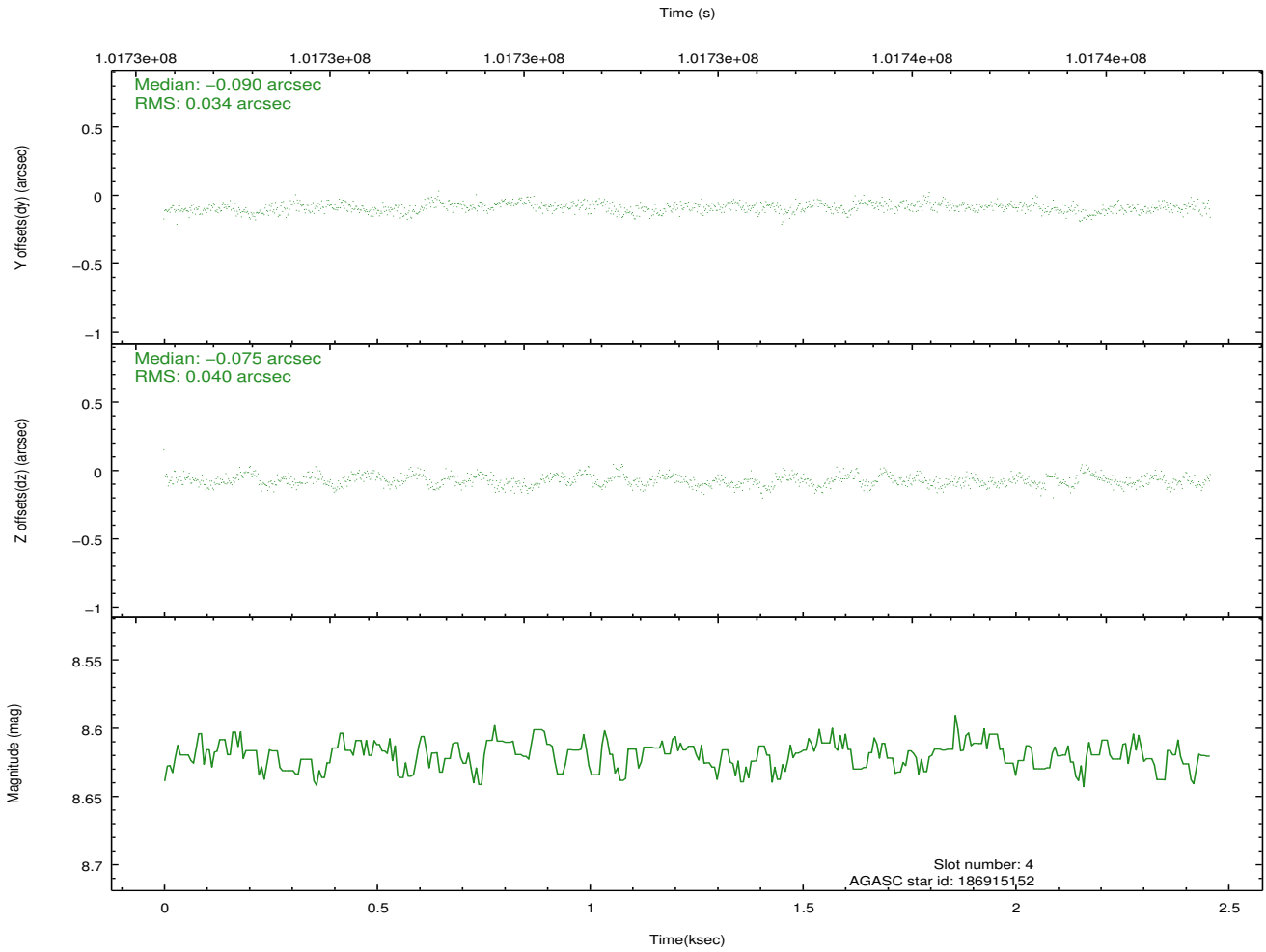
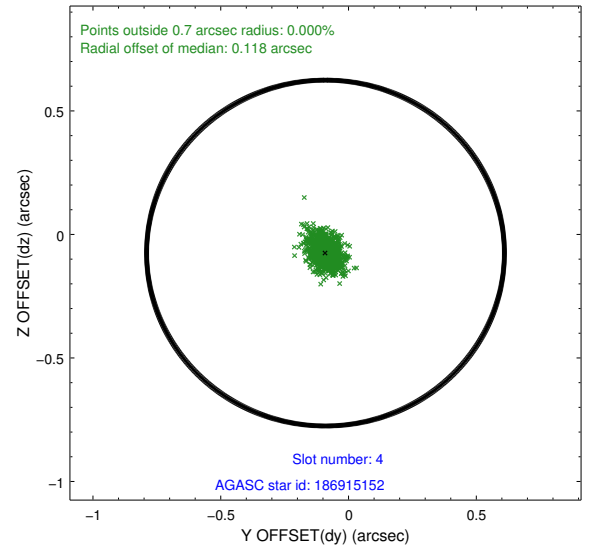
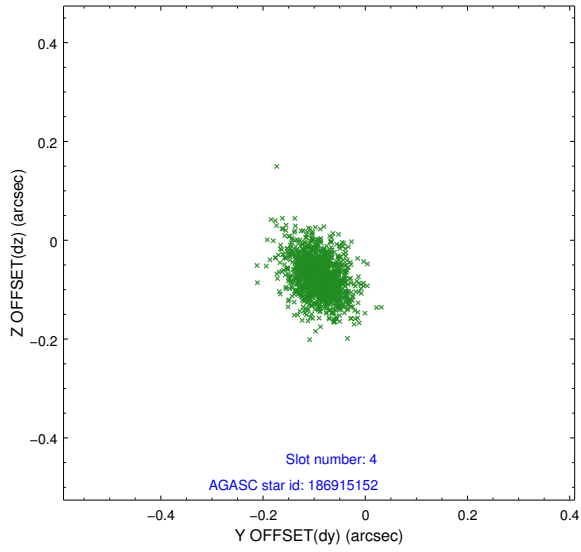


## 2.4 Star Slots

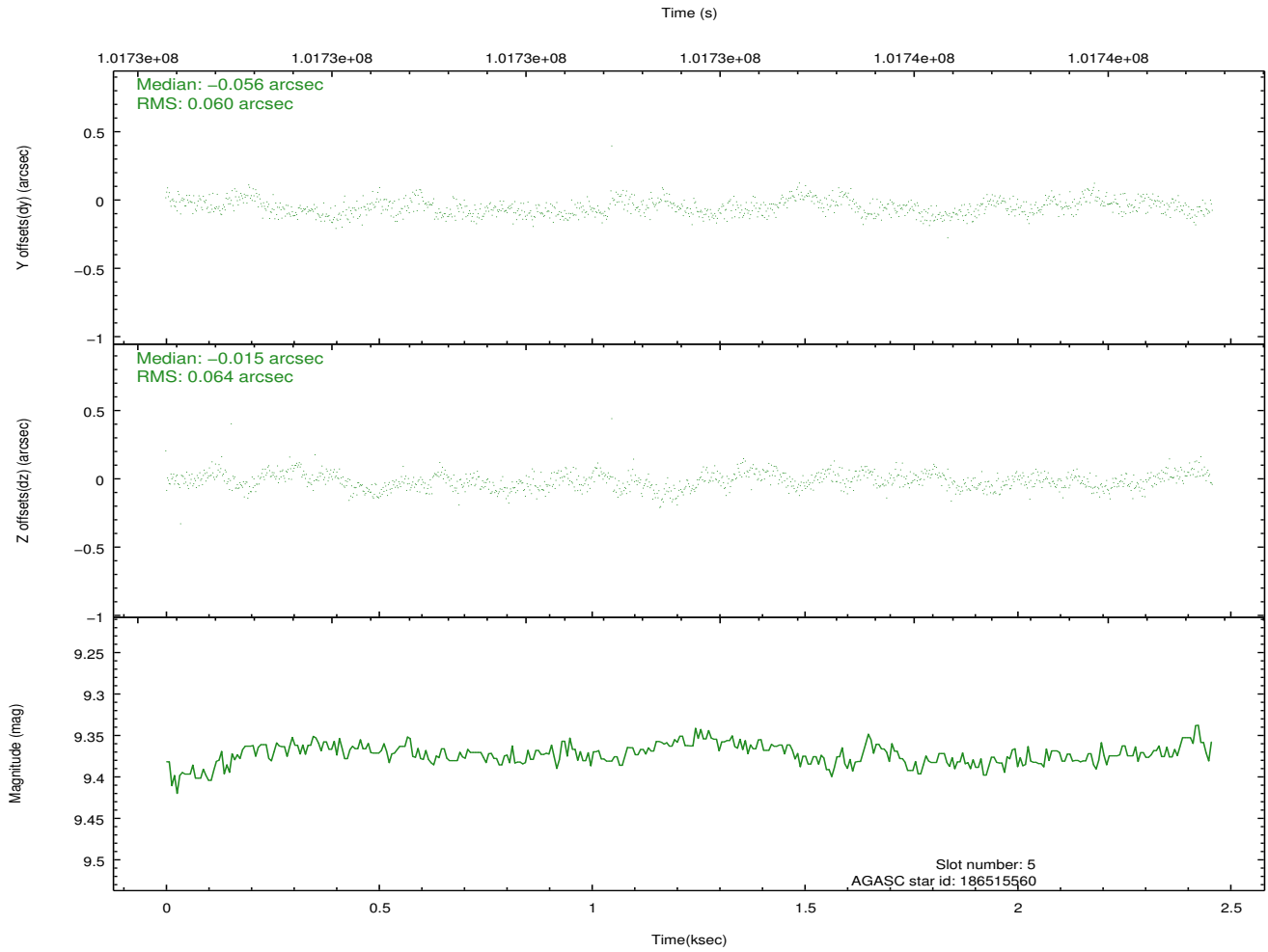
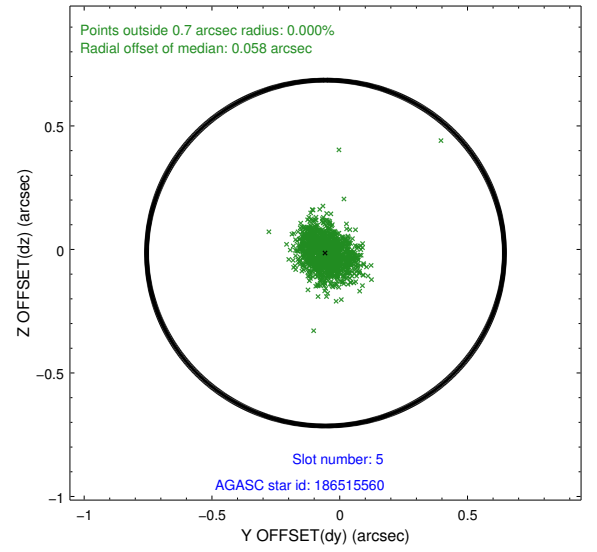
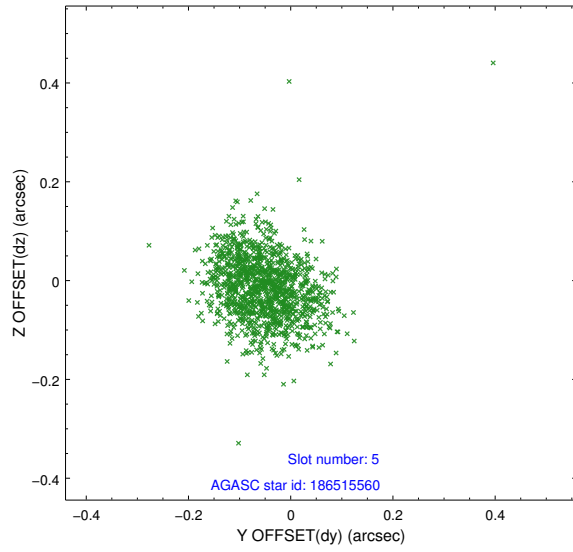
### 2.4.1 Slot 3



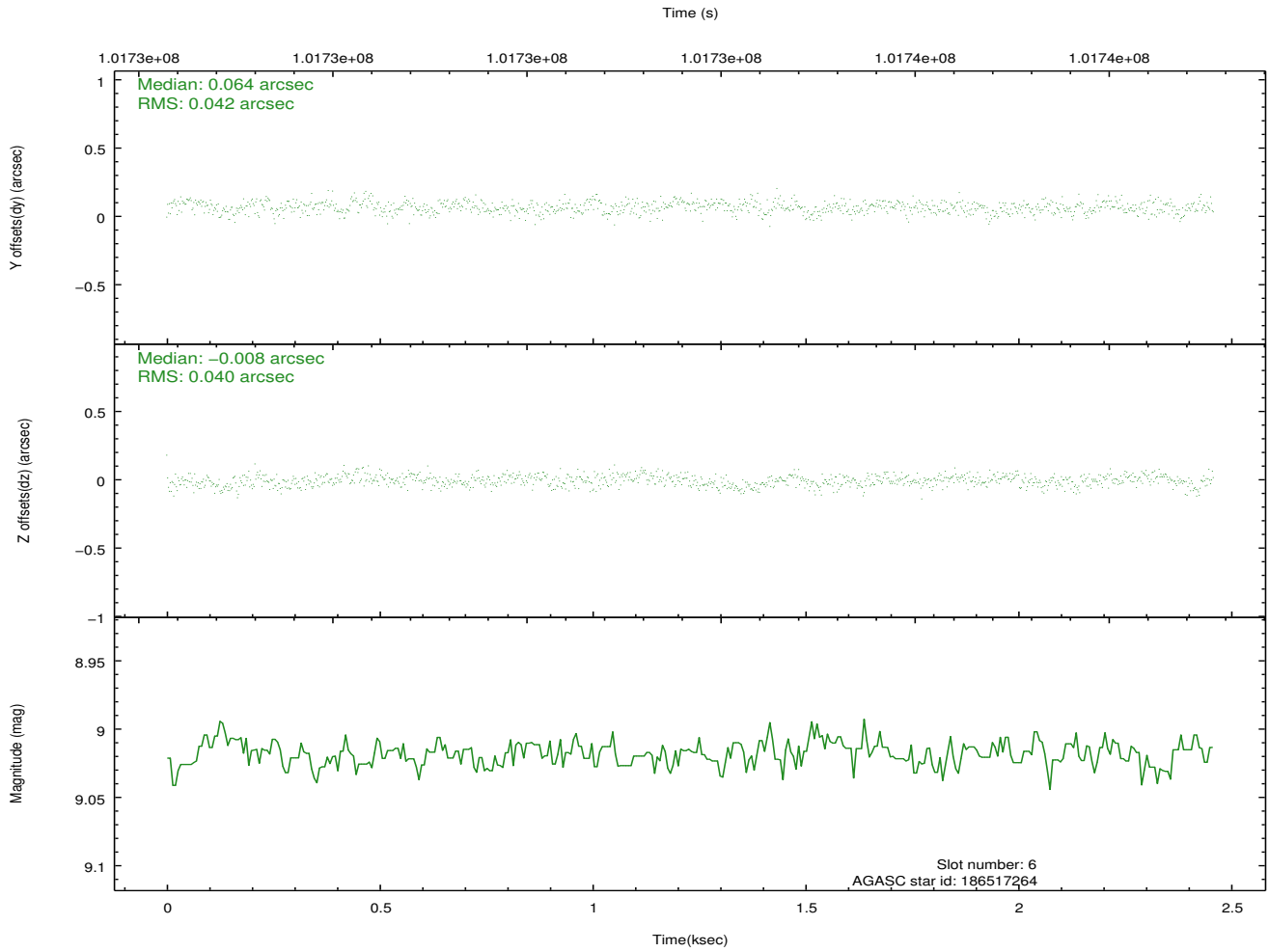
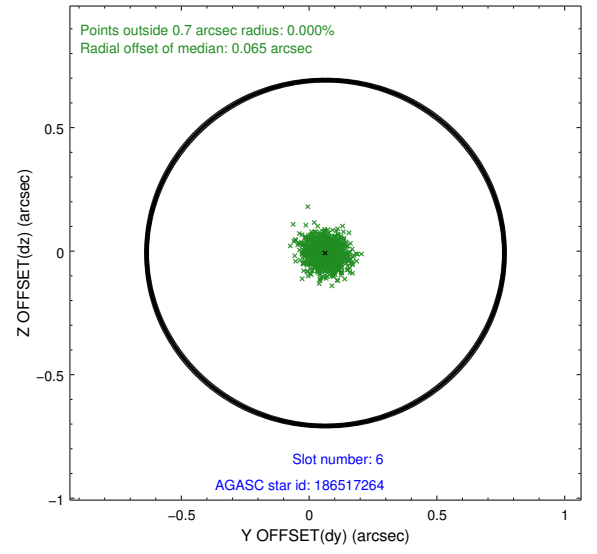
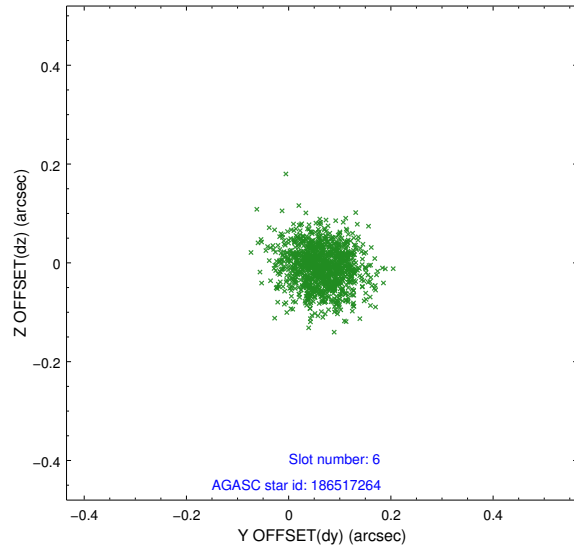
## 2.4.2 Slot 4



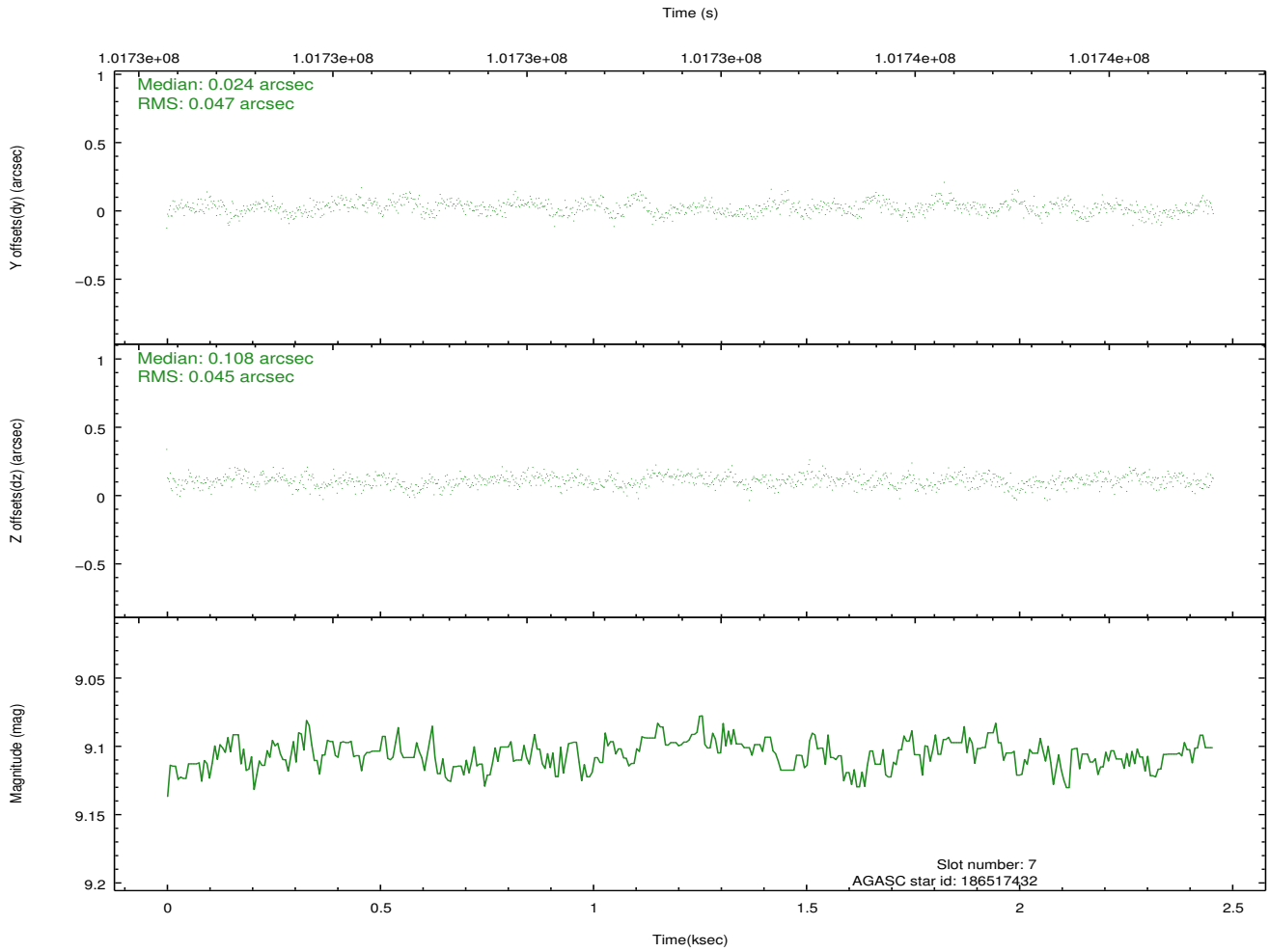
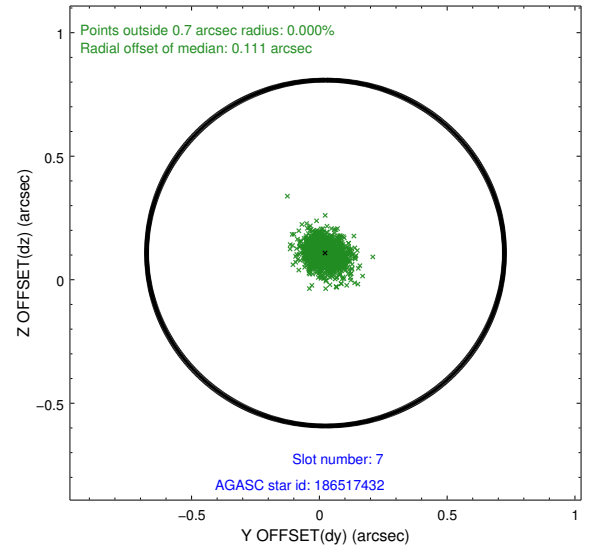
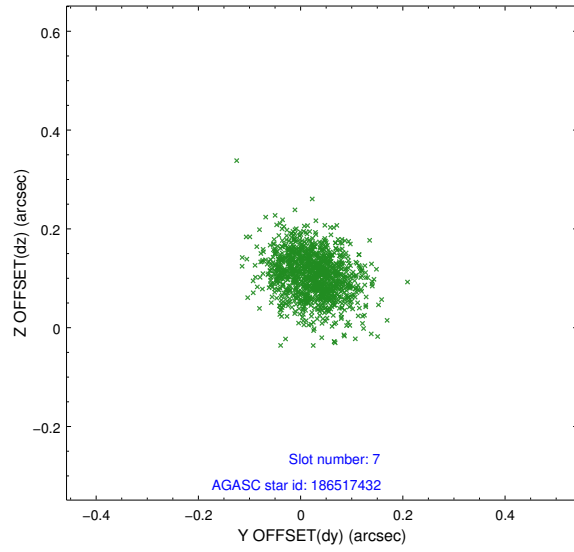
### 2.4.3 Slot 5



## 2.4.4 Slot 6

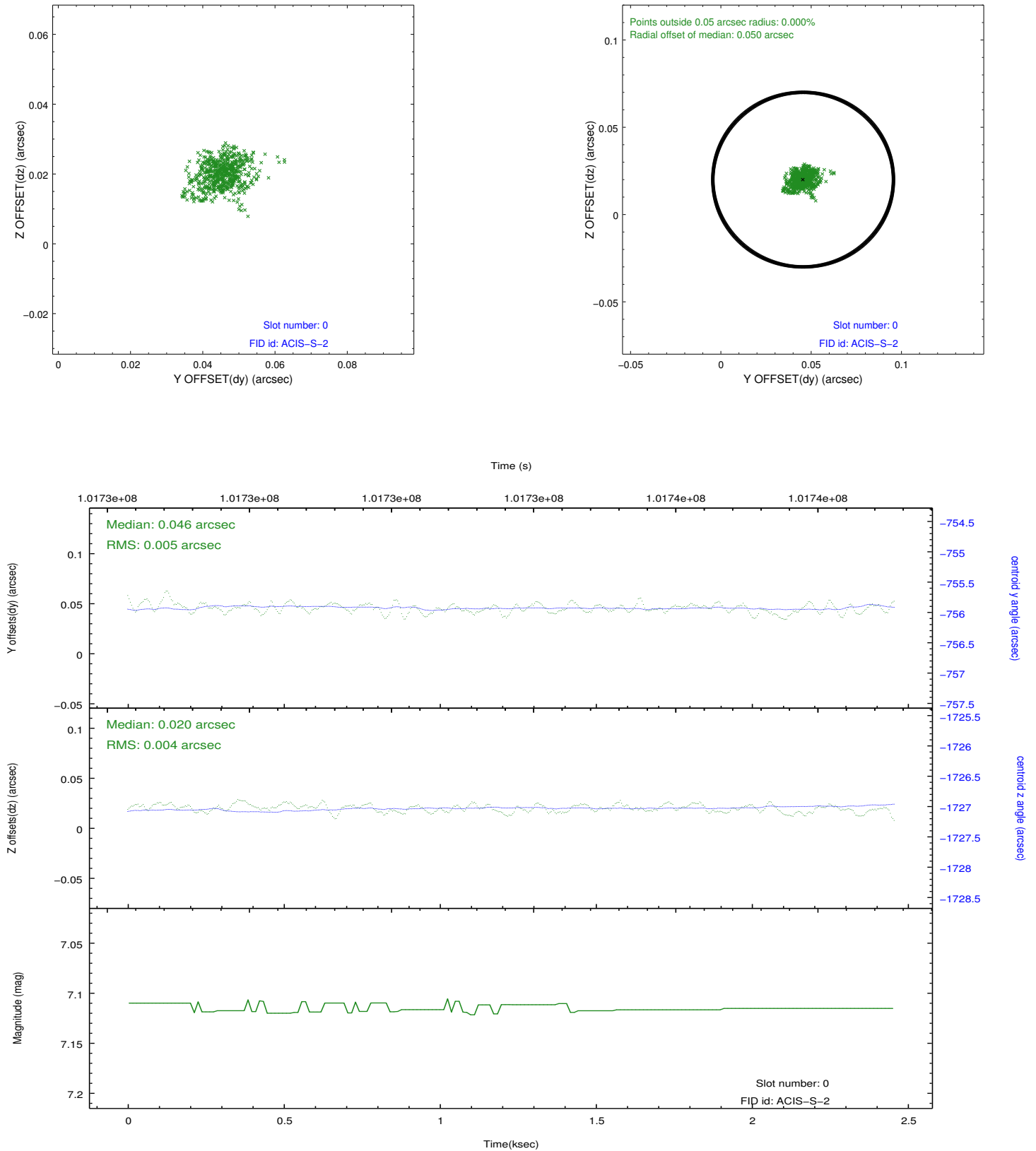


## 2.4.5 Slot 7

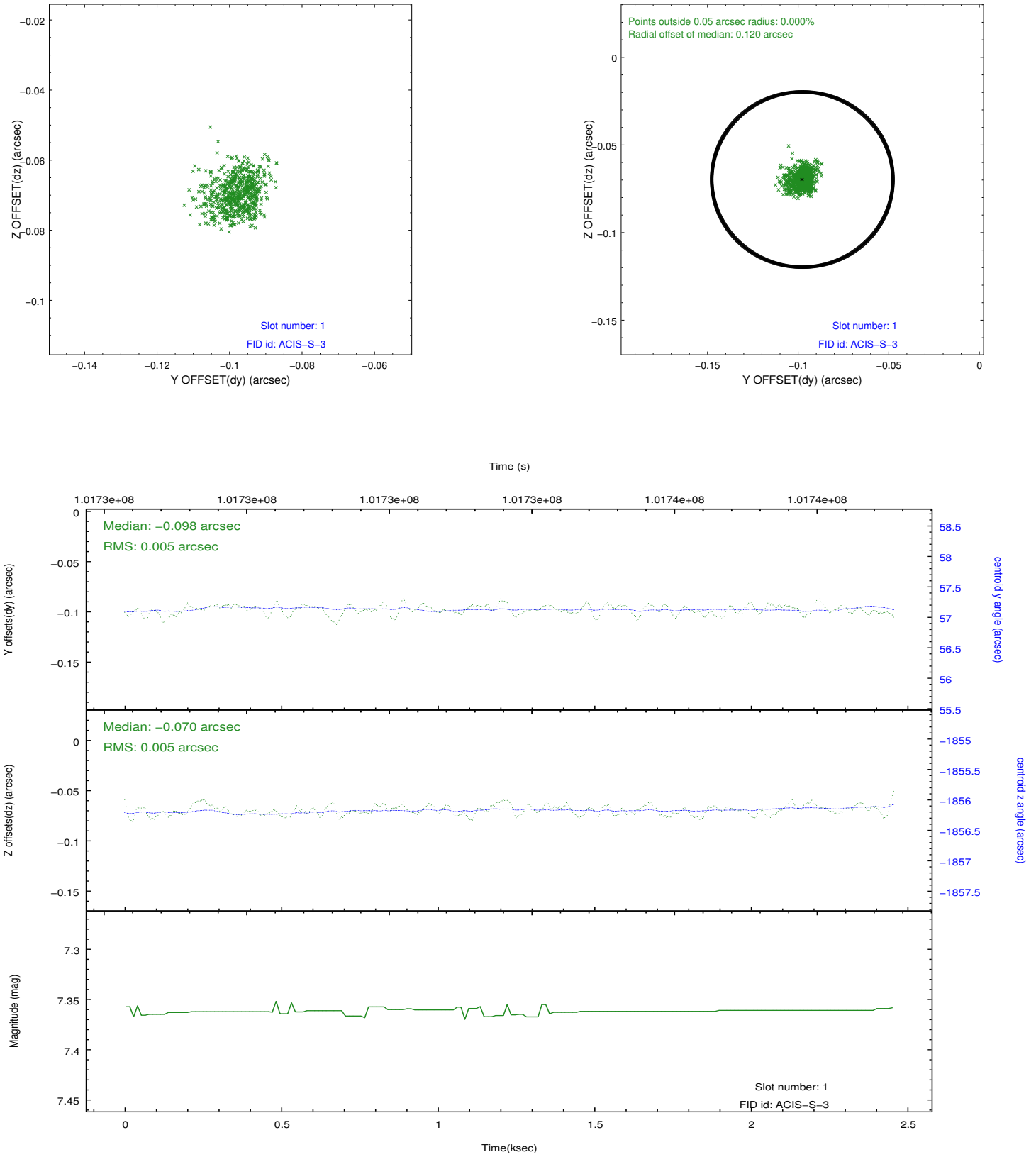


## 2.5 FID Slots

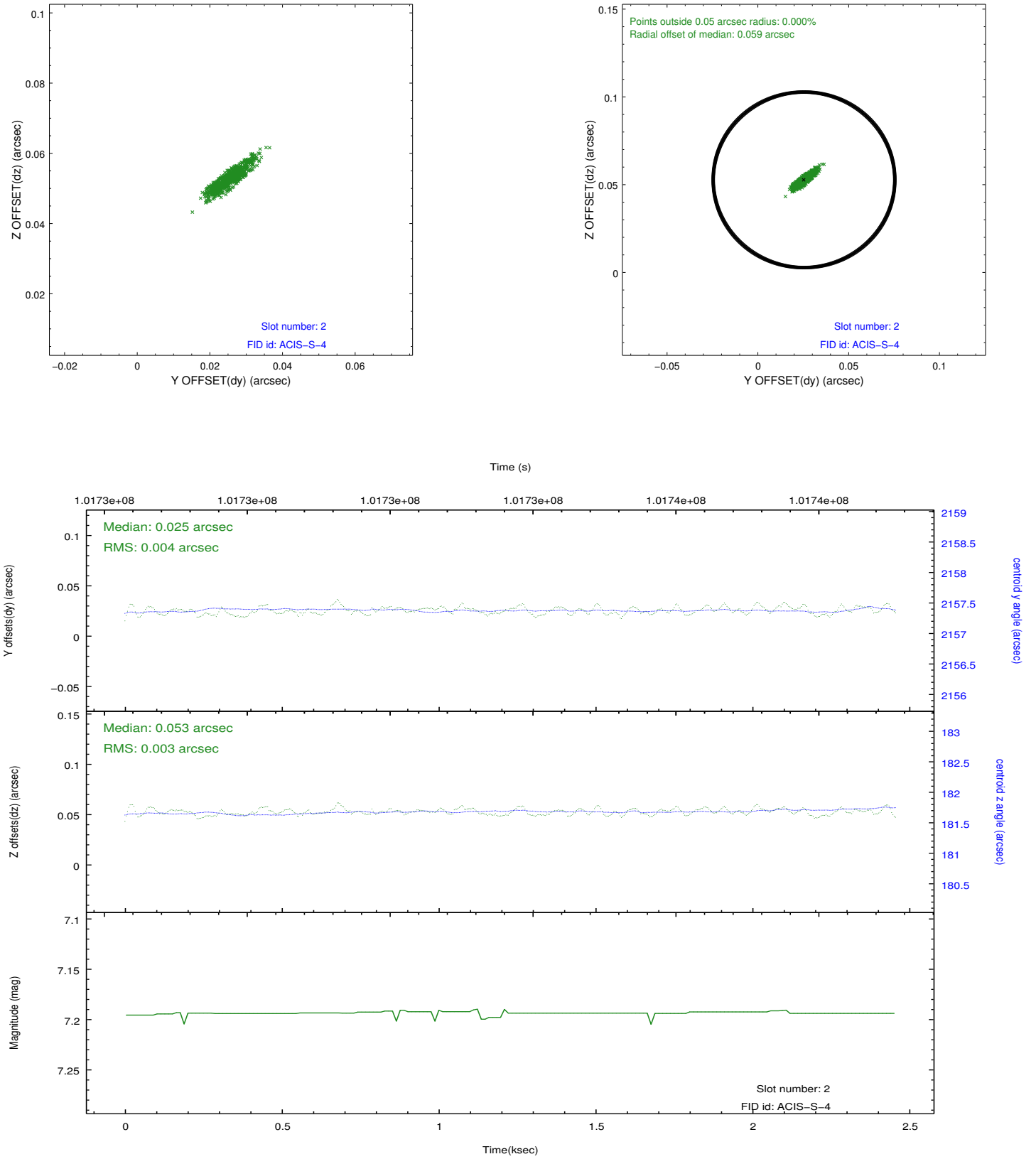
### 2.5.1 Slot 0



## 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)	2012.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.45

### A.2 Comments