

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 6783 - L2 Version 2  
Chandra X-Ray Center

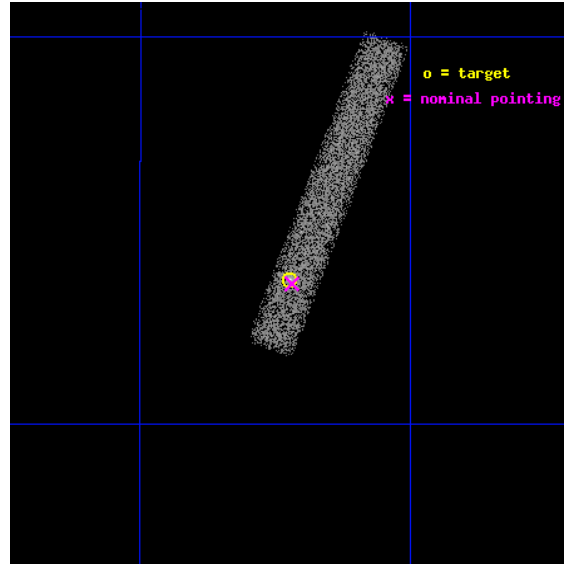
L2 Processing Date : Apr 6 2012

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# 1 Front

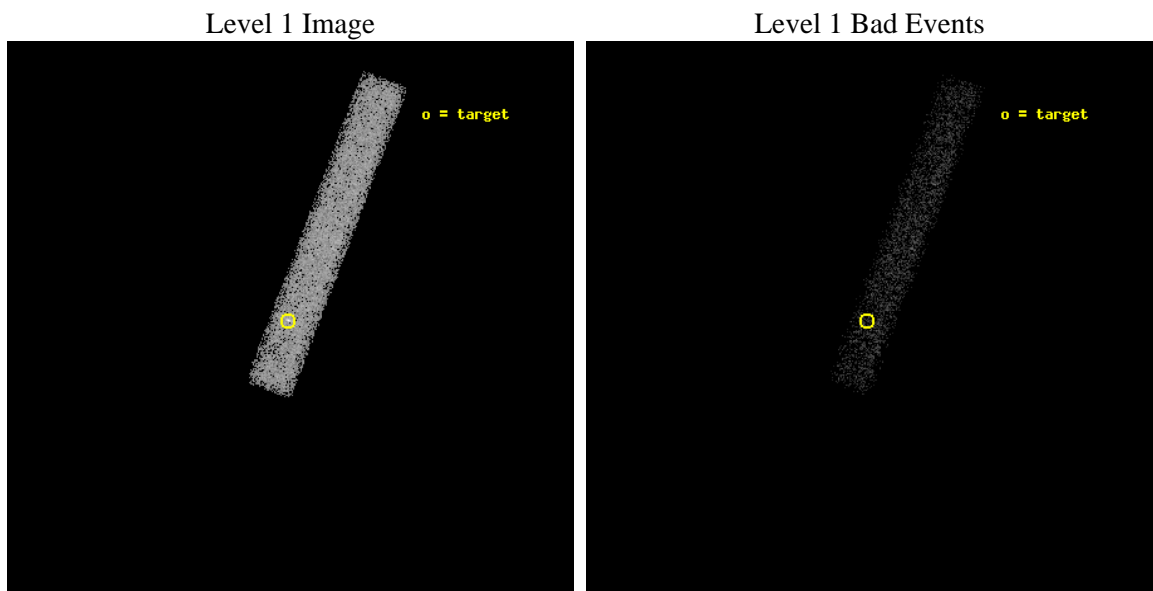
seq_num	701201	Sequence number
obs_id	6783	Observation id
title	Active Galactic Nuclei in nearby galaxies: a new view of the origin of the radio-loud radio-quiet dichotomy?	Proposal title
observer	Dr. Alessandro Capetti	Principal investigator
object	UGC7005	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	180.362083	Observer's specified target RA [deg]
dec_targ	61.895556	Observer's specified target Dec [deg]
ra_nom	180.35975278276	Nominal RA [deg]
dec_nom	61.893777462399	Nominal Dec [deg]
roll_nom	290.92280957844	Nominal Roll [deg]
revision	2	Processing version of data
ontime	15130.399098158	Sum of GTIs [s]
livetime	13722.473334081	Livetime [s]
ontime7	15130.399098158	Sum of GTIs [s]
l2events	11153	Number of level 2 events



## 2 OBI

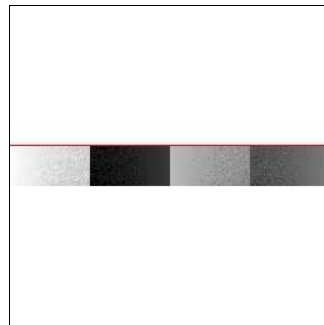
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	15130.399098158	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime7	15130.399098158	Sum of GTIs [s]
date	2012-04-06T01:46:21	Date and time of file creation	l1events	27197	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

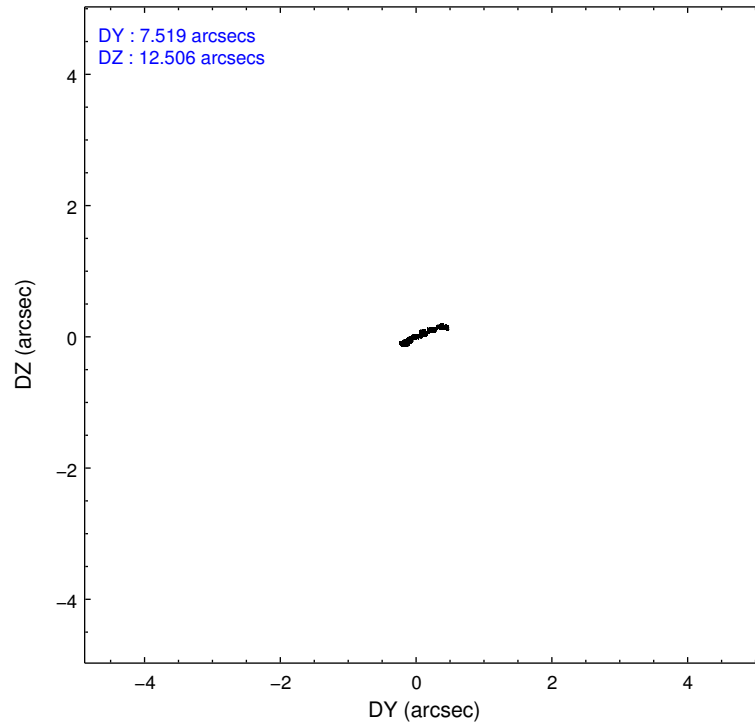
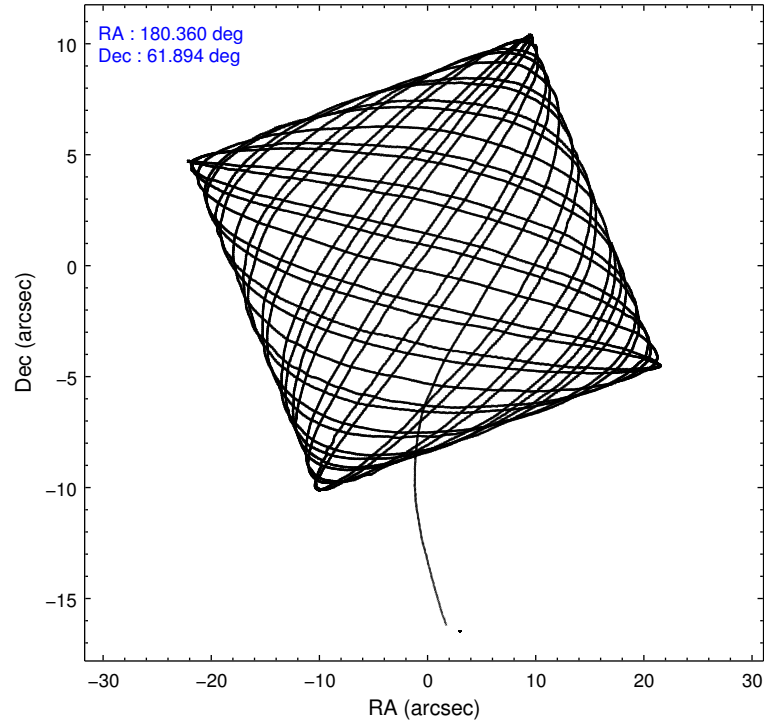
	<b>ccd 7</b>
level 1 events	27197
rejected events	15587
rejected %	57%

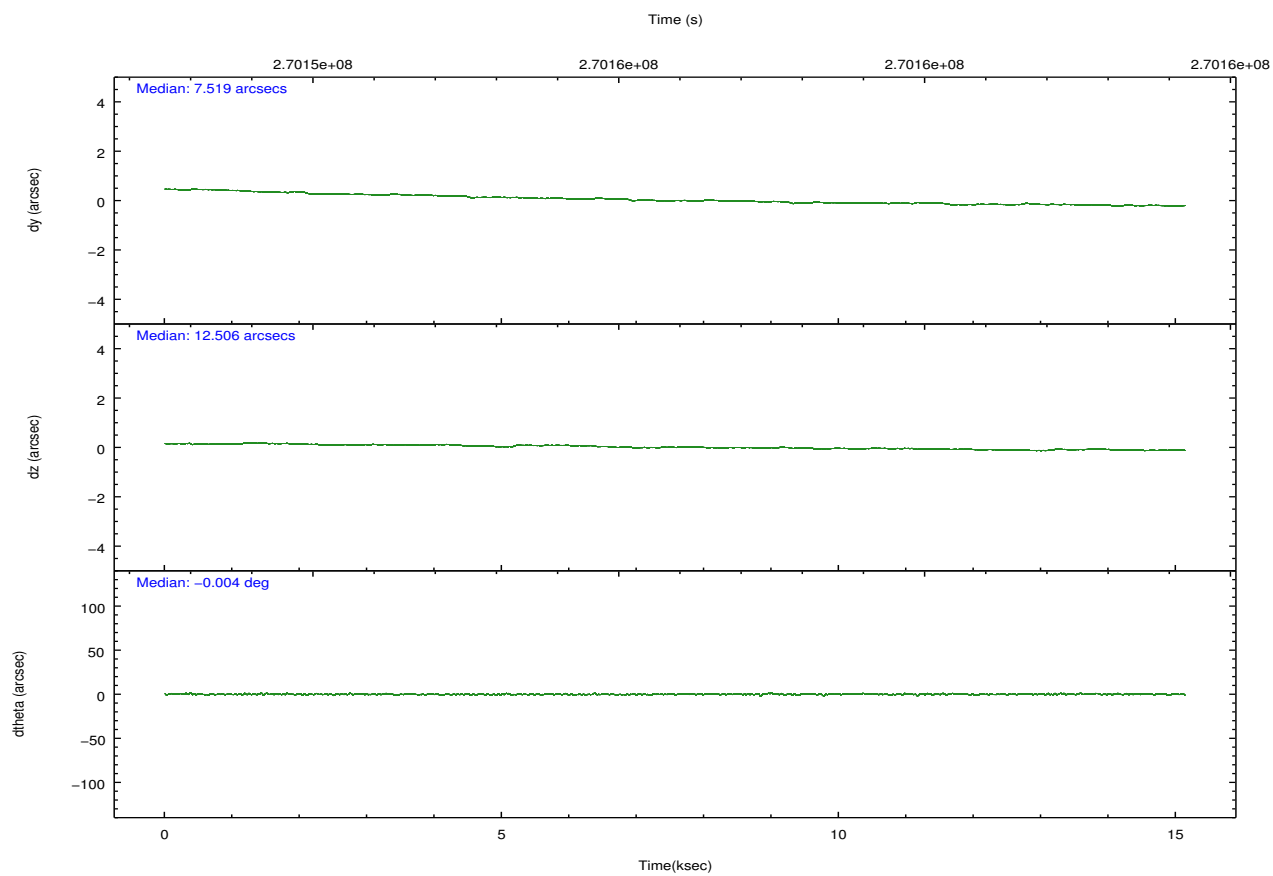
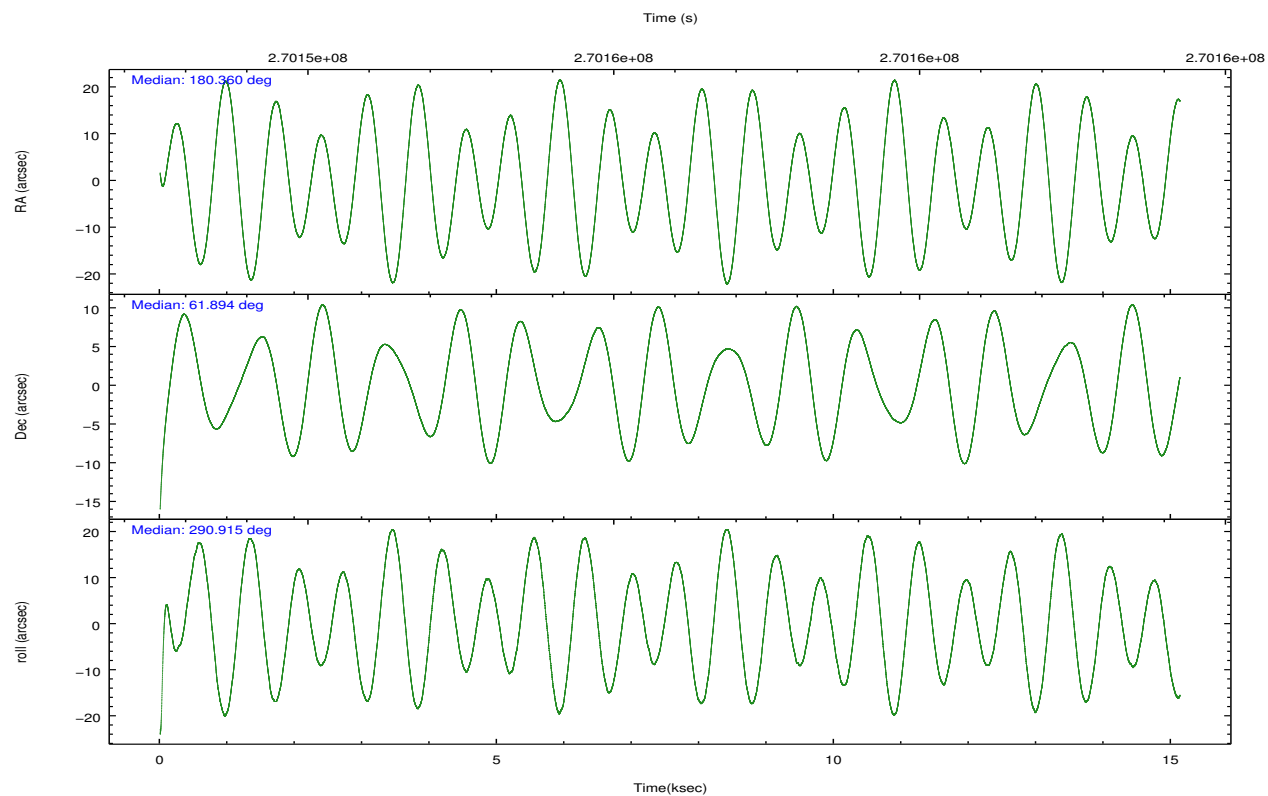
	<b>ccd 7</b>
grade 0 events	1372
	5%
grade 1 events	27
	0%
grade 2 events	2387
	8%
grade 3 events	1617
	5%
grade 4 events	1626
	5%
grade 5 events	2514
	9%
grade 6 events	5638
	20%
grade 7 events	12016
	44%

## 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	180.314325	180.3597527827552	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	61.910679	61.89377746239937	Subarray start row	449	449
[deg] Pointing Roll	290.806279	290.922809578443	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)	270148495.184000	270146931.08996			
Observation start date	2006-07-24T17:13:50	2006-07-24T16:48:51			
[s] Observation end time (MET)	270163495.184000	270164100.35327			
Observation end date	2006-07-24T21:23:50	2006-07-24T21:35:00			
Read mode	TIMED	TIMED			

## 2.3 Aspect



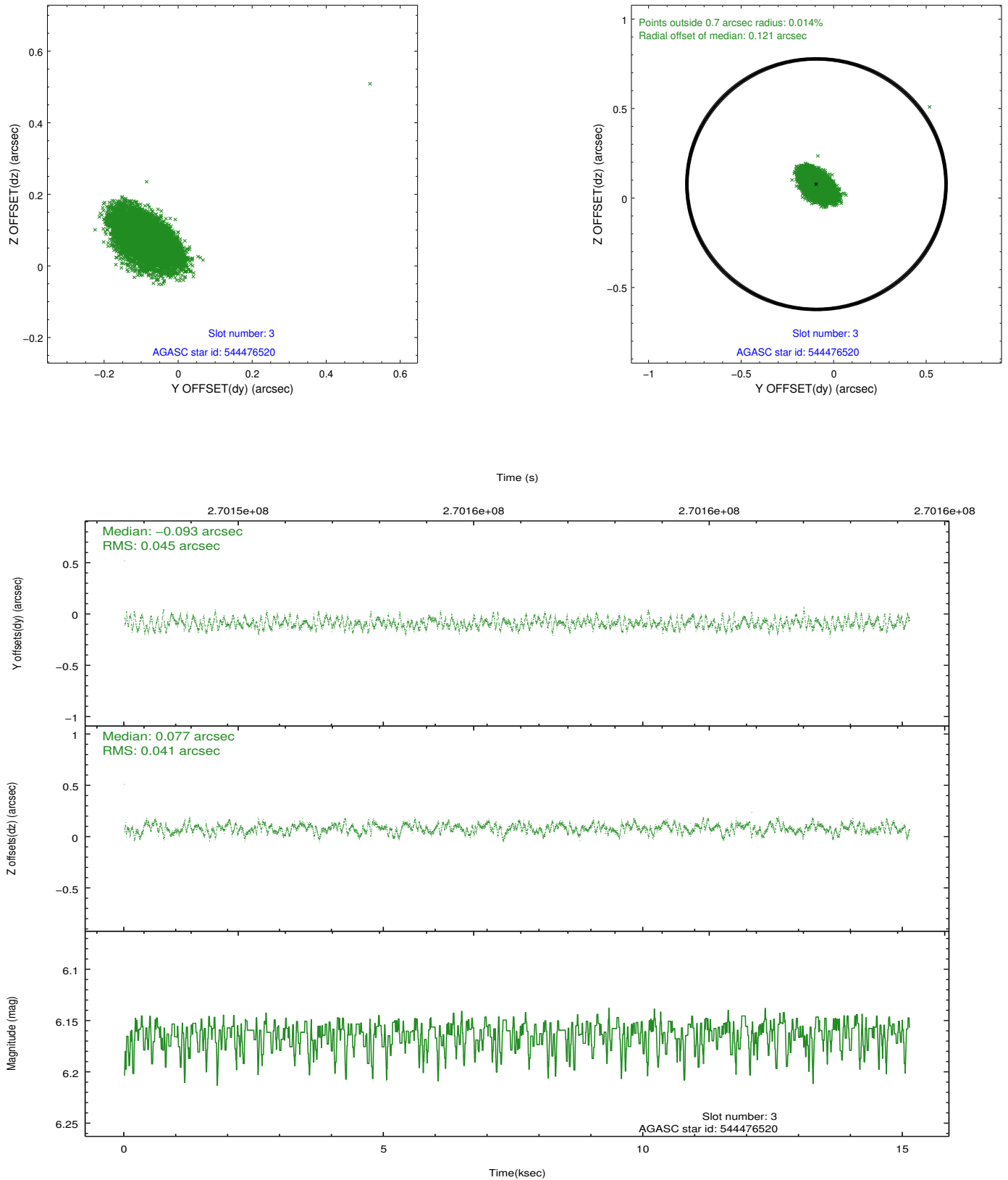


### Slot Statistics

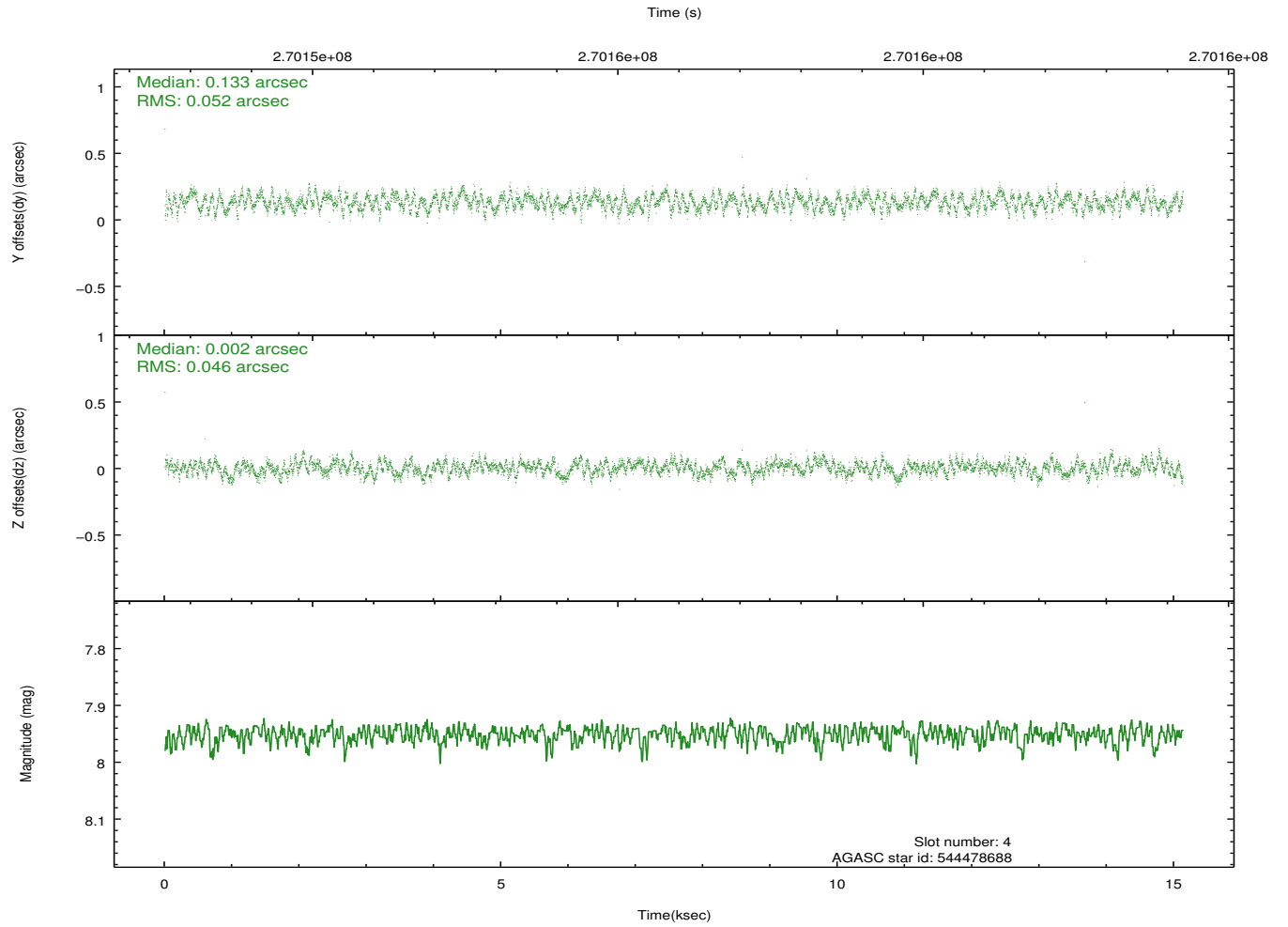
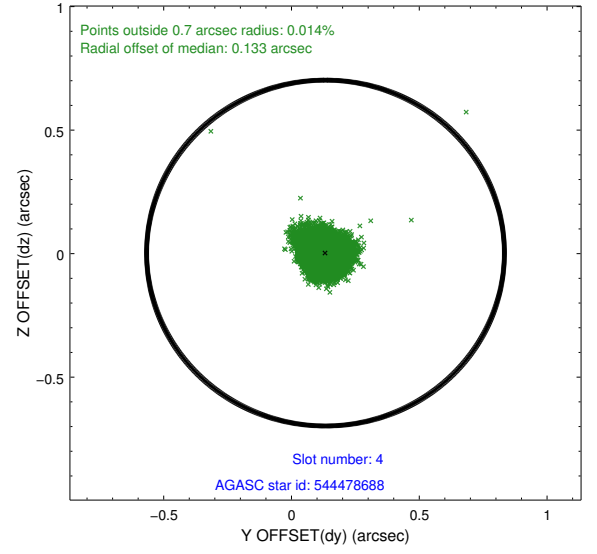
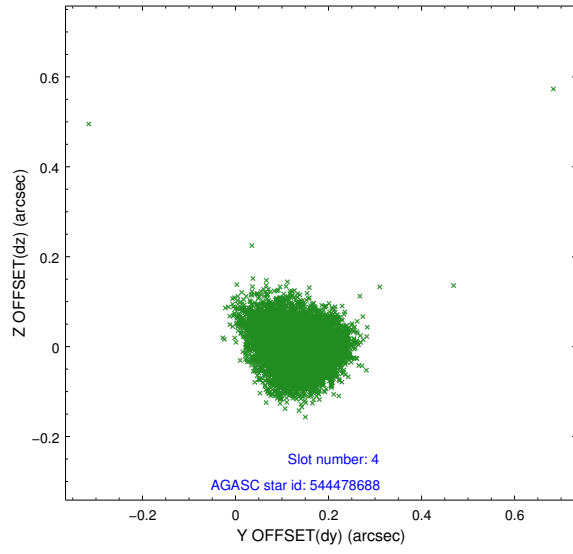
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	3691	0.015	-0.033	0.008	0.015	0.000000	0.000000	-760.32	-1733.87
1	FID	ACIS-S-5	7.24	3691	-0.048	0.038	0.012	0.022	0.000000	0.000000	-1813.63	167.87
2	FID	ACIS-S-6	7.35	3690	0.008	0.003	0.008	0.015	0.000000	0.000000	400.96	812.08
3	GUIDE	544476520	6.16	7382	-0.093	0.077	0.065	0.106	179.221820	61.549213	536.85	-2208.04
4	GUIDE	544478688	7.95	7378	0.133	0.002	0.074	0.112	179.813162	61.334378	1629.51	-1545.10
5	GUIDE	544479504	7.66	7380	-0.094	-0.121	0.071	0.117	180.994850	61.403614	2117.50	450.16
6	GUIDE	544872224	9.19	7381	-0.014	-0.028	0.082	0.132	180.794182	62.501254	-1706.65	1501.77
7	GUIDE	544480992	9.32	7372	0.060	0.076	0.079	0.132	179.851935	61.633984	647.84	-1091.56

## 2.4 Star Slots

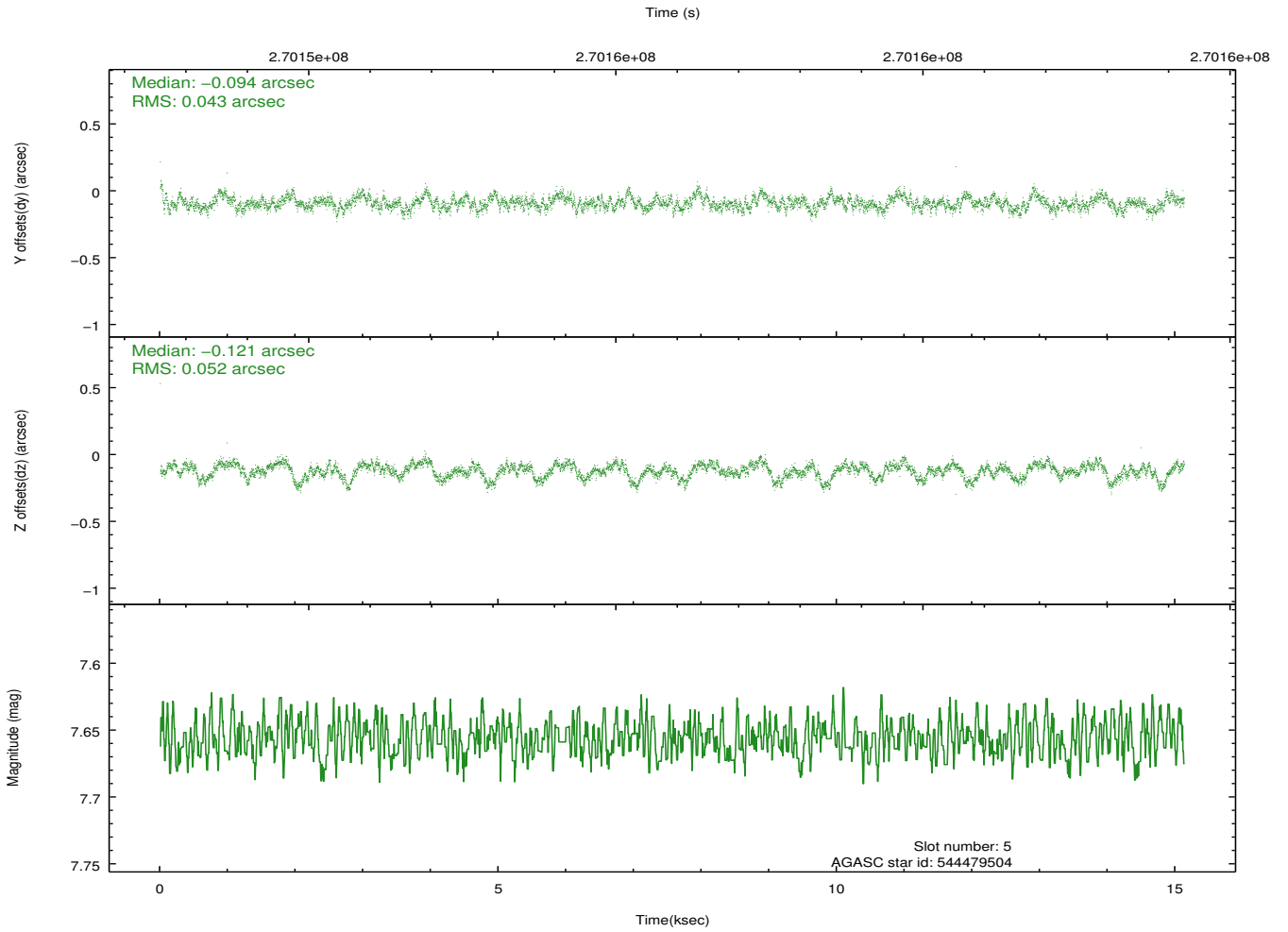
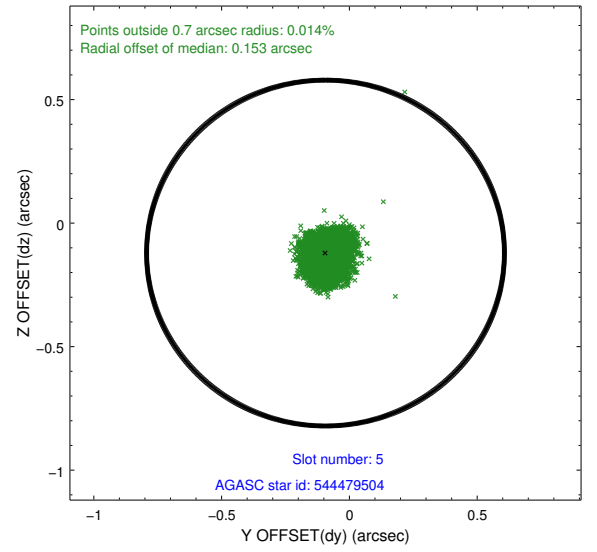
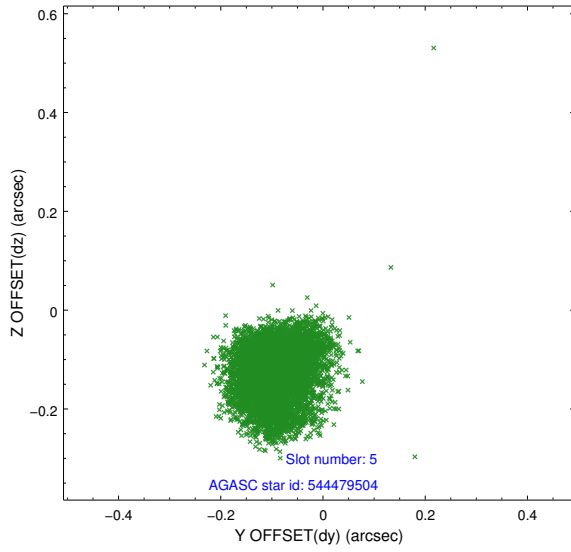
### 2.4.1 Slot 3



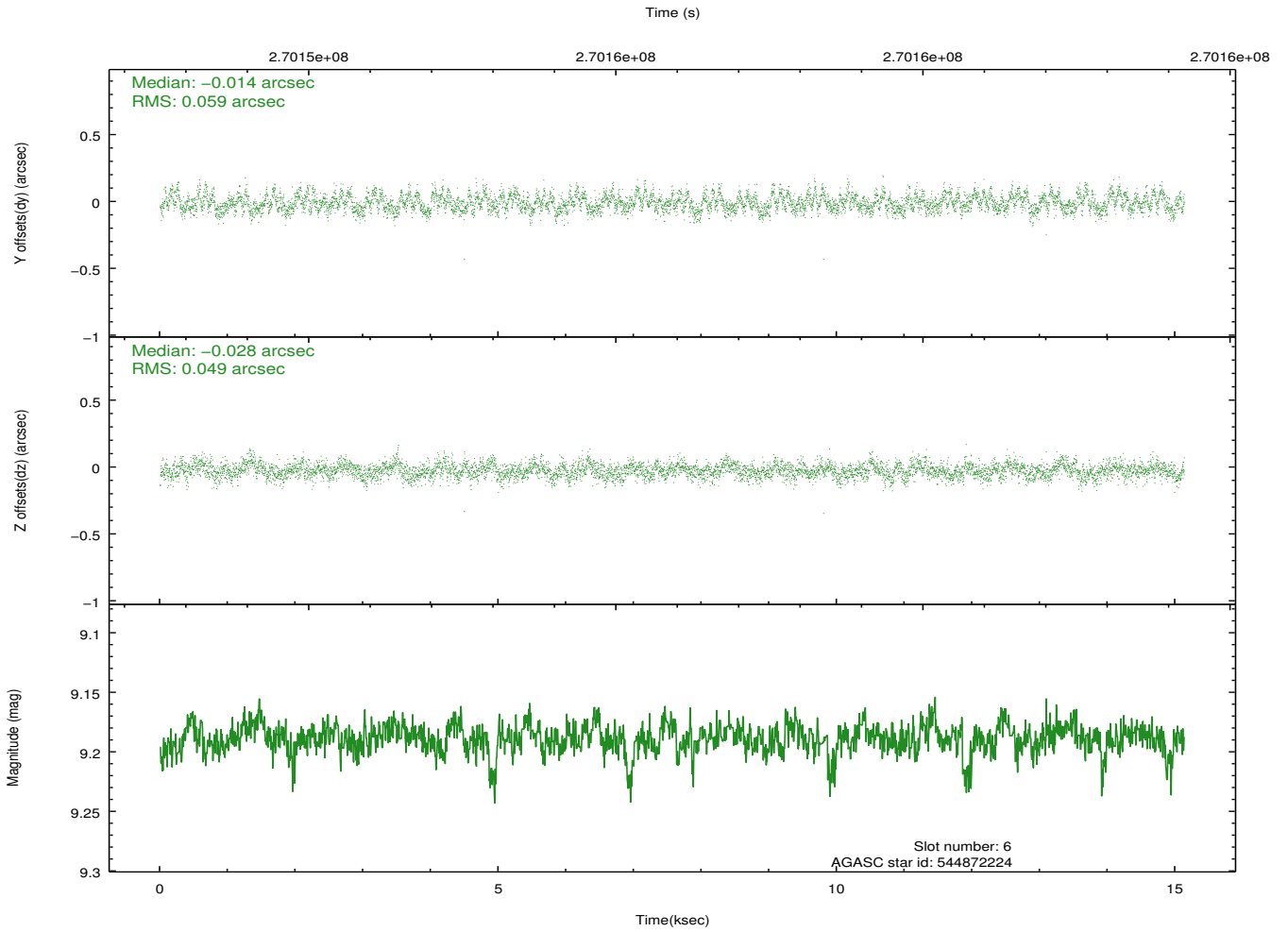
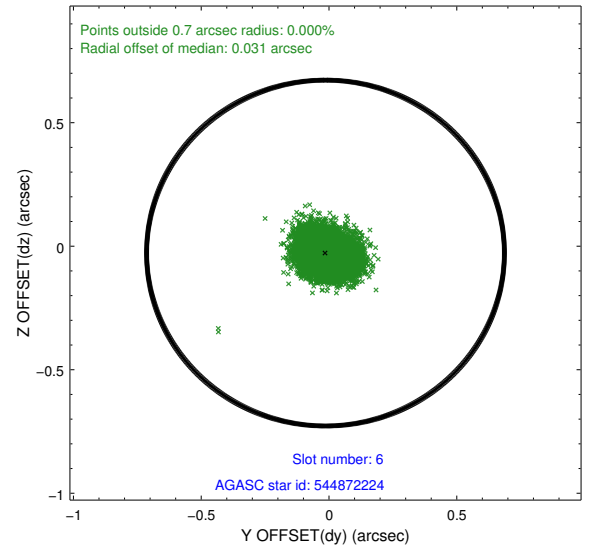
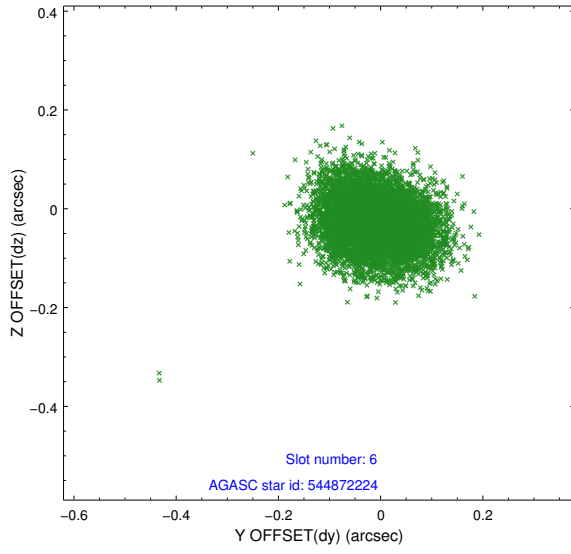
## 2.4.2 Slot 4



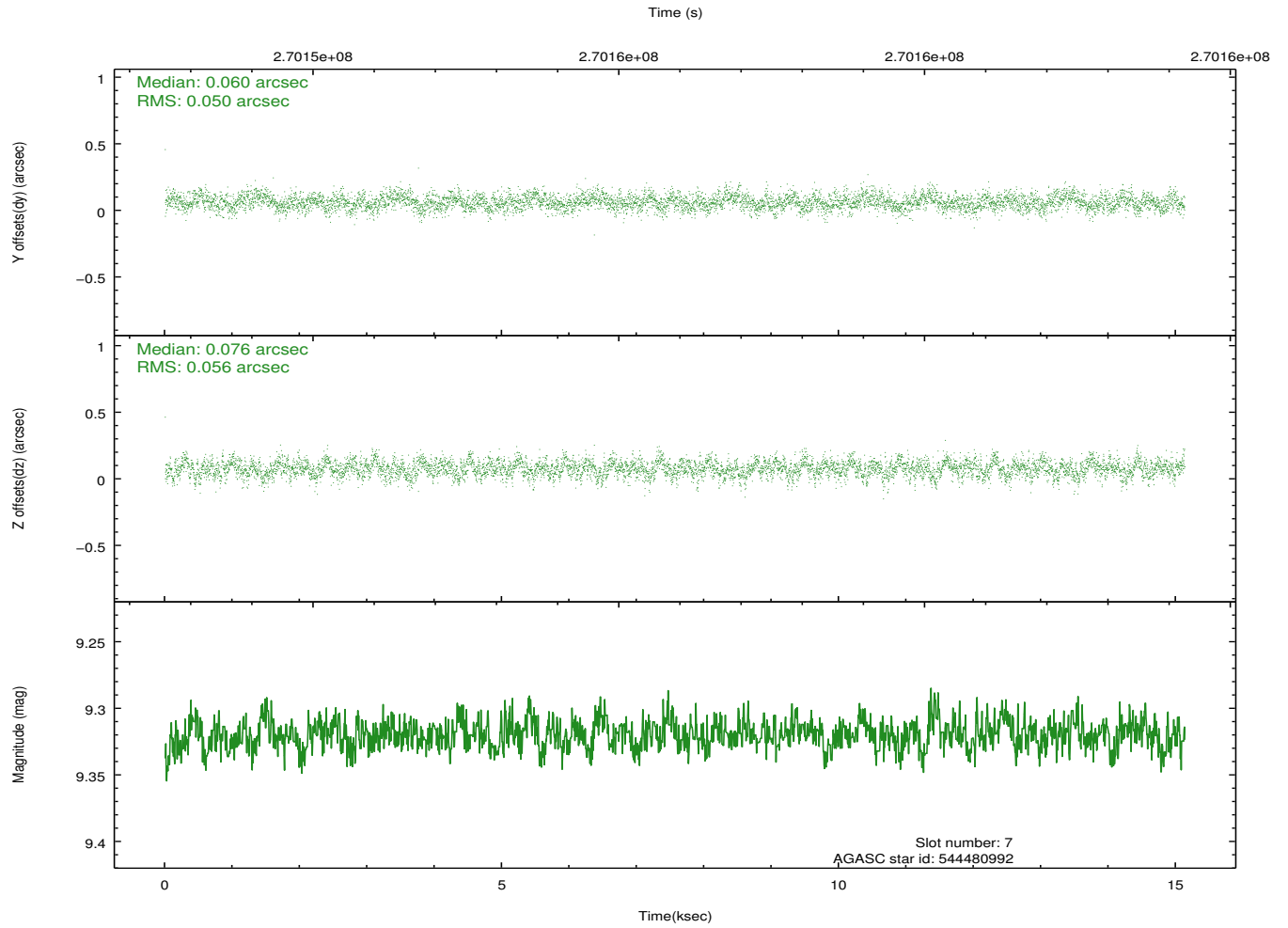
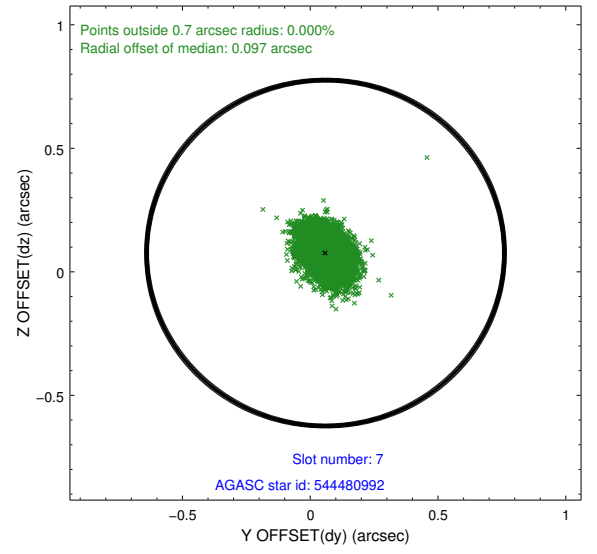
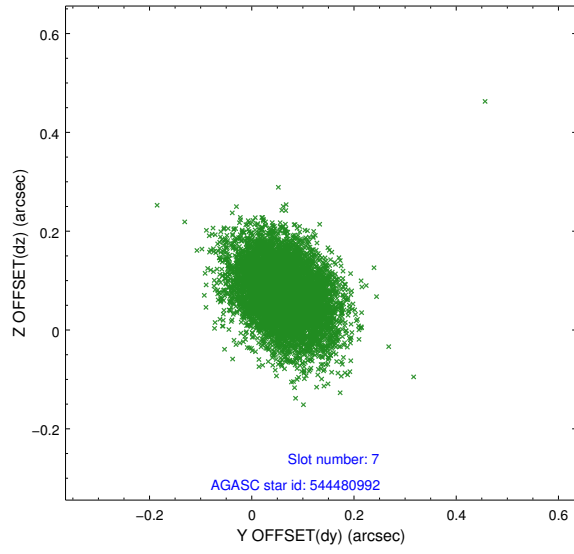
### 2.4.3 Slot 5



## 2.4.4 Slot 6

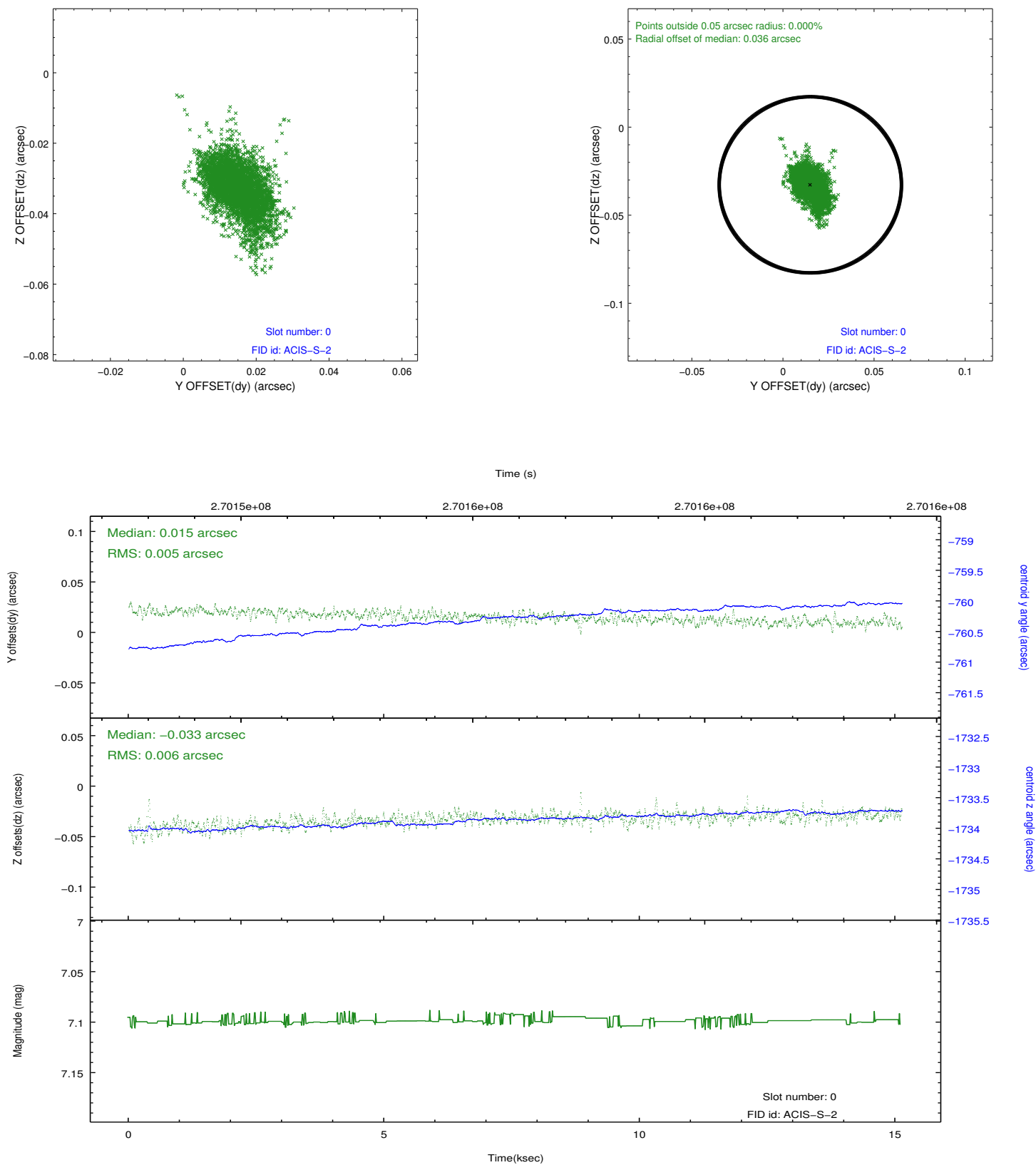


## 2.4.5 Slot 7

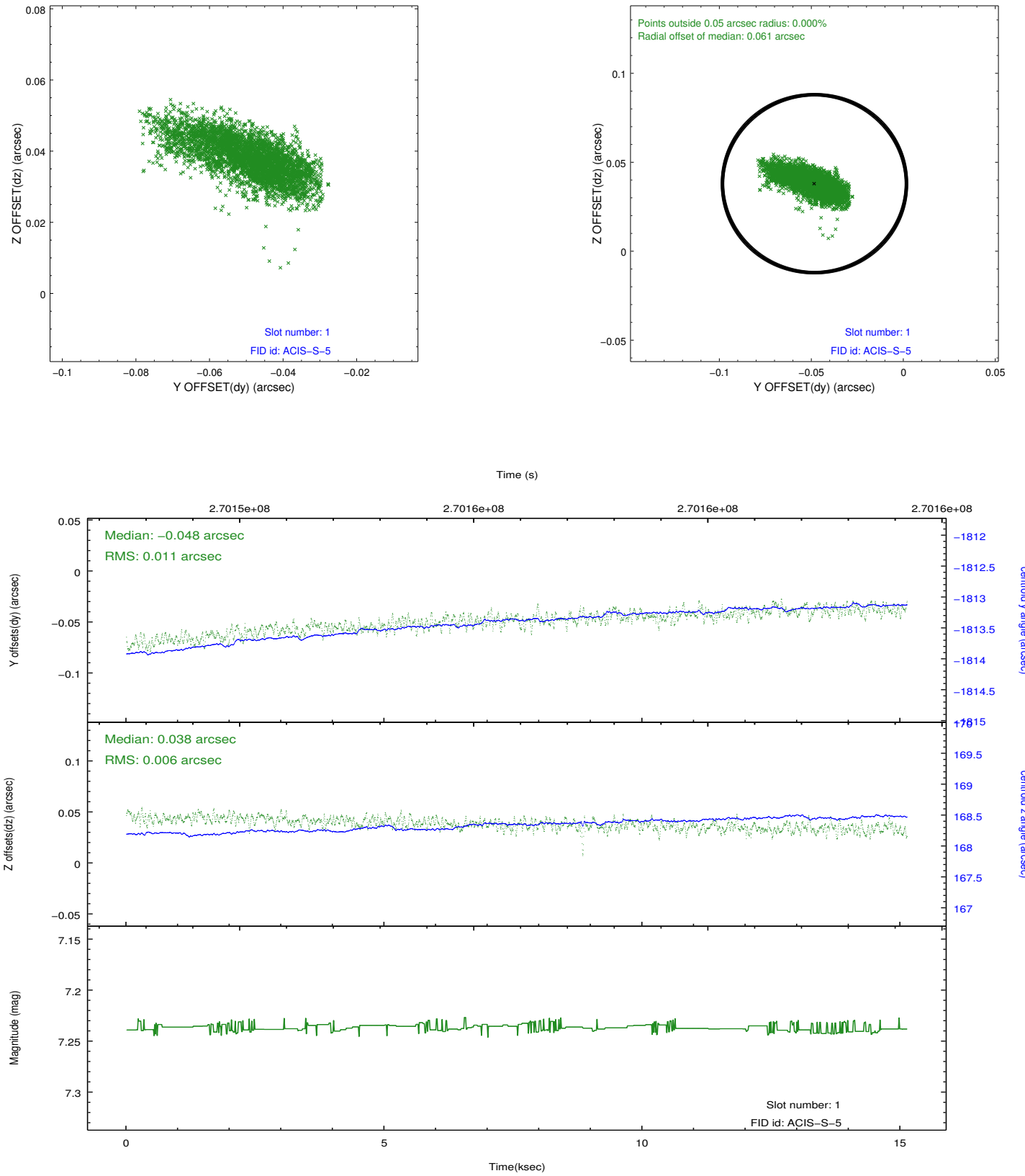


## 2.5 FID Slots

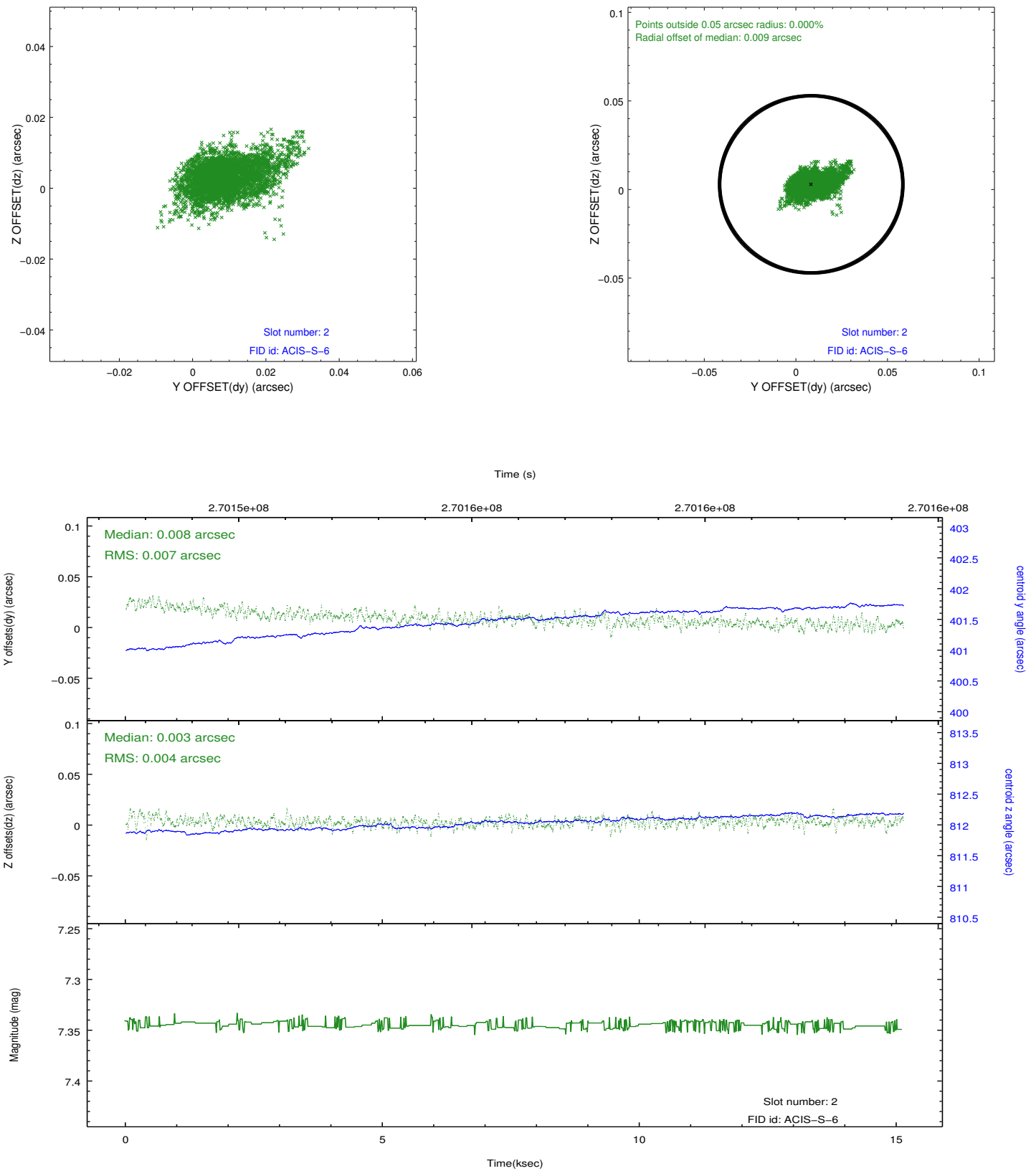
### 2.5.1 Slot 0



## 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)	2012.04.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.130399

### A.2 Comments