

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 12807 - L2 Version 2  
Chandra X-Ray Center

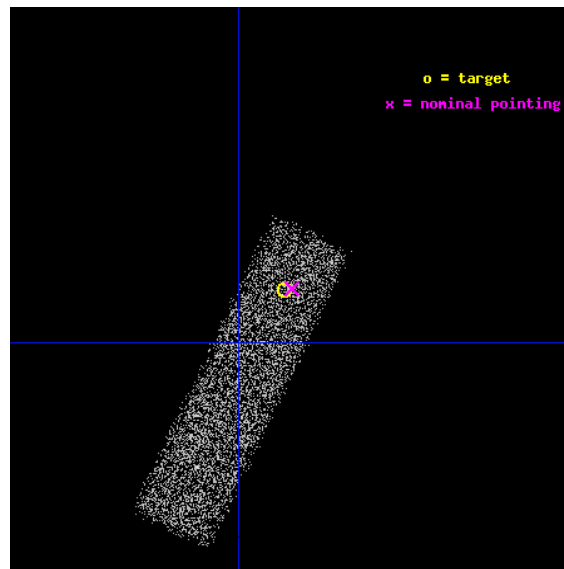
L2 Processing Date : Feb 29 2012

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# 1 Front

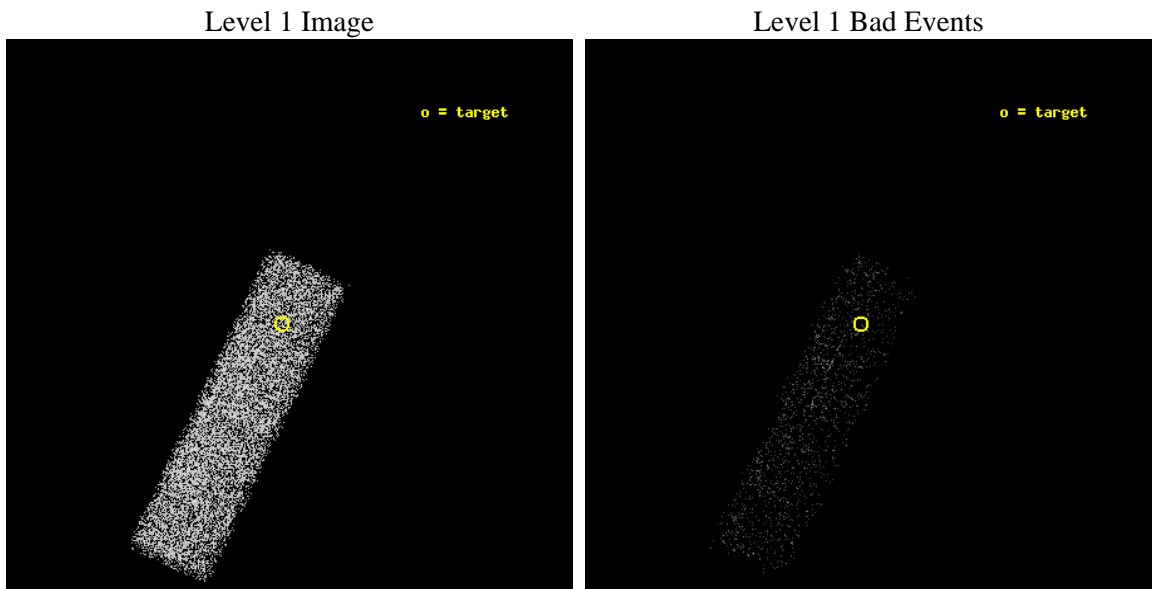
seq_num	702443	Sequence number
obs_id	12807	Observation id
title	Exploring the X-ray Properties of the Highest-Luminosity Double-Peaked Emitters	Proposal title
observer	Bin Luo	Principal investigator
object	SDSS J085053.12+445122.4	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	132.72125	Observer's specified target RA [deg]
dec_targ	44.856222	Observer's specified target Dec [deg]
ra_nom	132.71705950499	Nominal RA [deg]
dec_nom	44.856569367612	Nominal Dec [deg]
roll_nom	115.75070923142	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7851.9942932129	Sum of GTIs [s]
livetime	7468.8426645229	Livetime [s]
ontime7	7851.9942932129	Sum of GTIs [s]
l2events	7593	Number of level 2 events



## 2 OBI

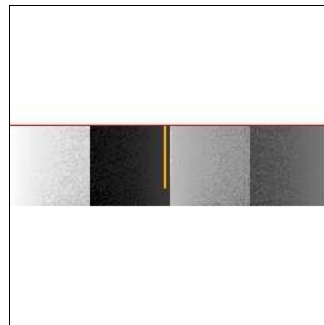
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	8000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	7851.9942932129	Sum of GTIs [s]
caldbver	4.4.8	&#160	ontime7	7851.9942932129	Sum of GTIs [s]
date	2012-02-29T12:52:52	Date and time of file creation	l1events	16105	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

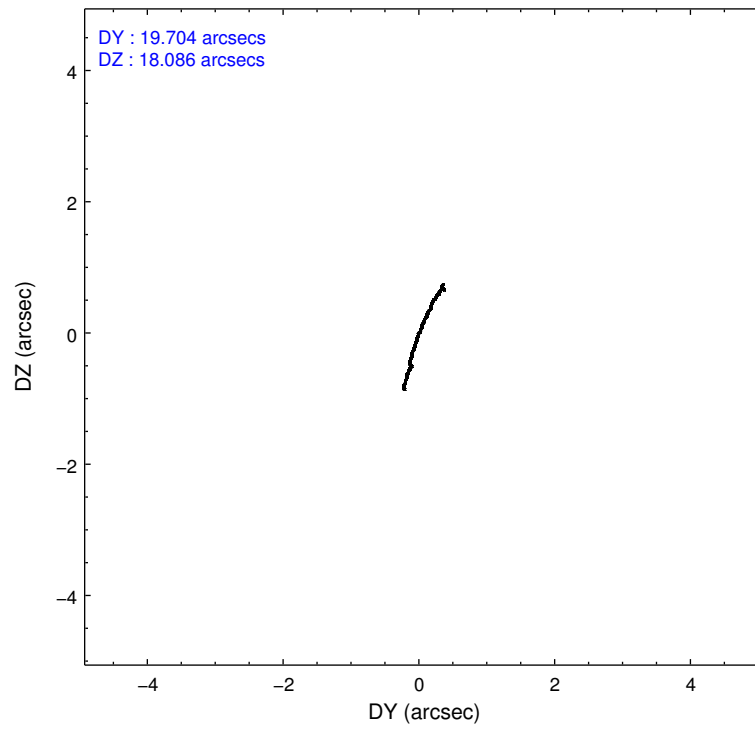
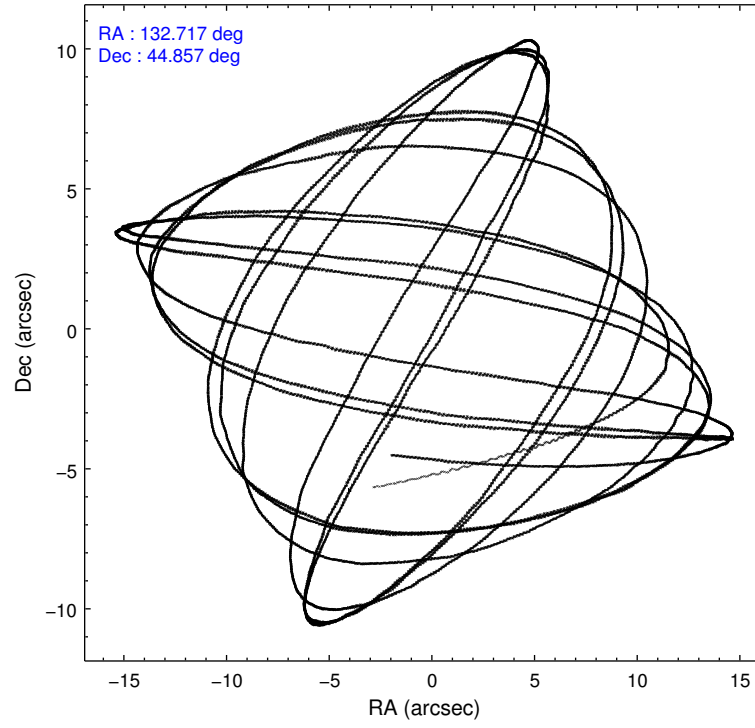
	<b>ccd 7</b>
level 1 events	16105
rejected events	8252
rejected %	51%

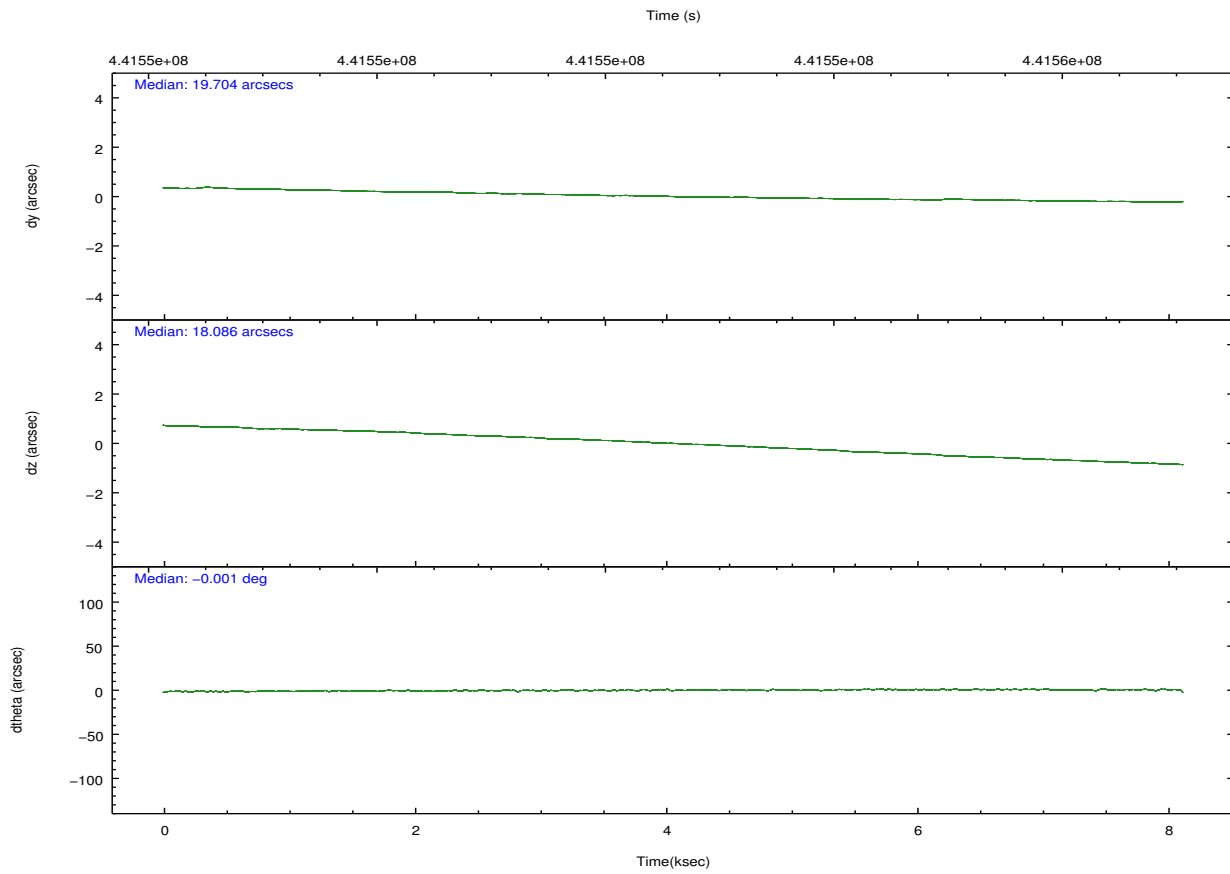
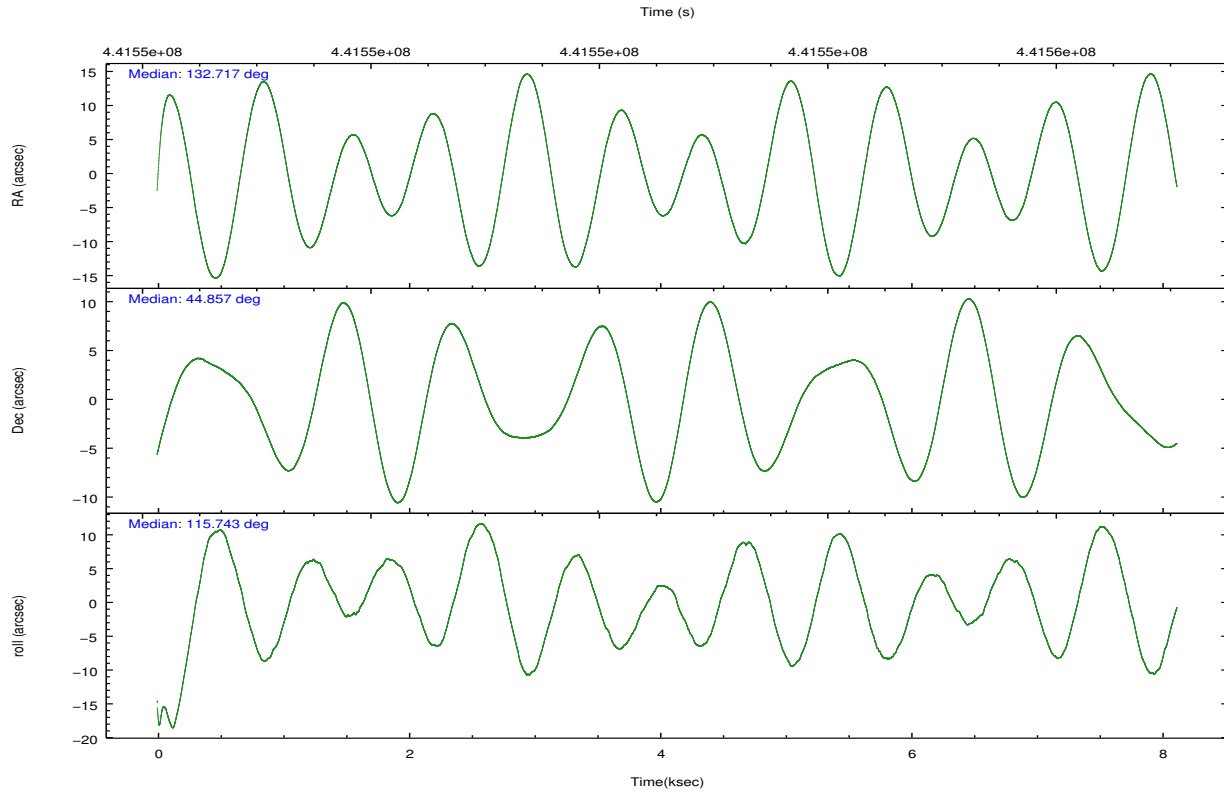
	<b>ccd 7</b>
grade 0 events	815
	5%
grade 1 events	15
	0%
grade 2 events	1599
	9%
grade 3 events	882
	5%
grade 4 events	919
	5%
grade 5 events	1688
	10%
grade 6 events	3638
	22%
grade 7 events	6549
	40%

## 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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	132.749178	132.7170595049937	Subarray requested	CUSTOM	1/4
[deg] Pointing Dec	44.841489	44.85656936761234	Subarray start row	385	385
[deg] Pointing Roll	115.571442	115.7507092314188	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)	441548655.184000	441547418.30942			
Observation start date	2011-12-29T12:23:09	2011-12-29T12:03:38			
[s] Observation end time (MET)	441556655.184000	441557490.47245			
Observation end date	2011-12-29T14:36:29	2011-12-29T14:51:30			
Read mode	TIMED	TIMED			

## 2.3 Aspect



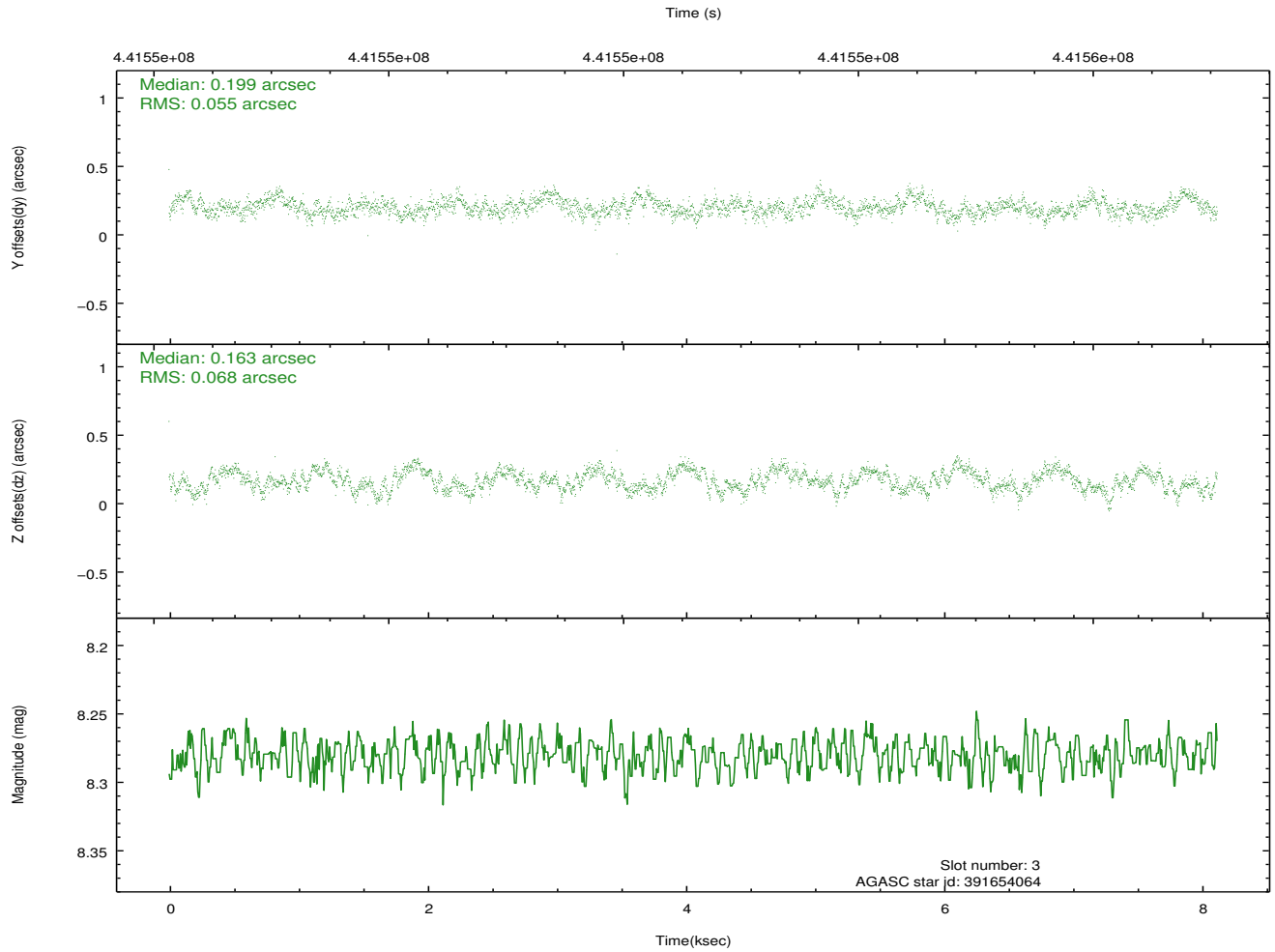
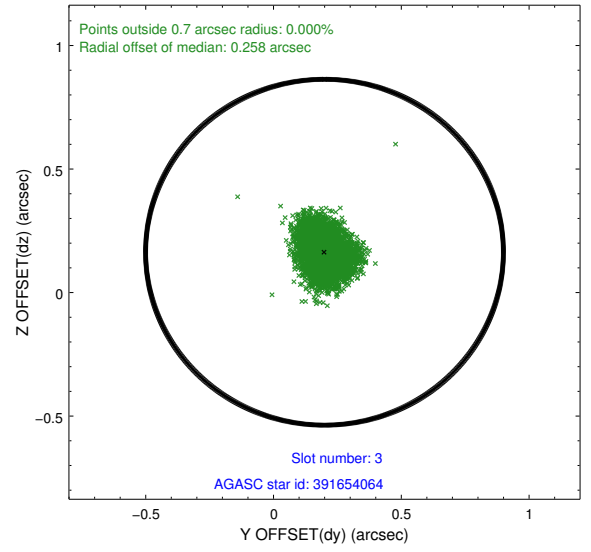
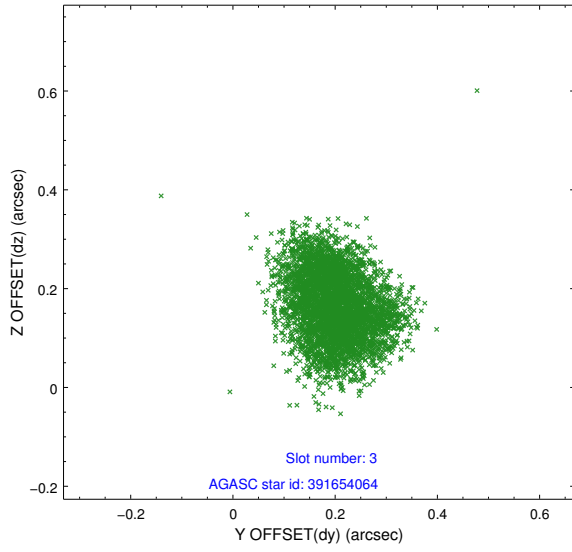


### Slot Statistics

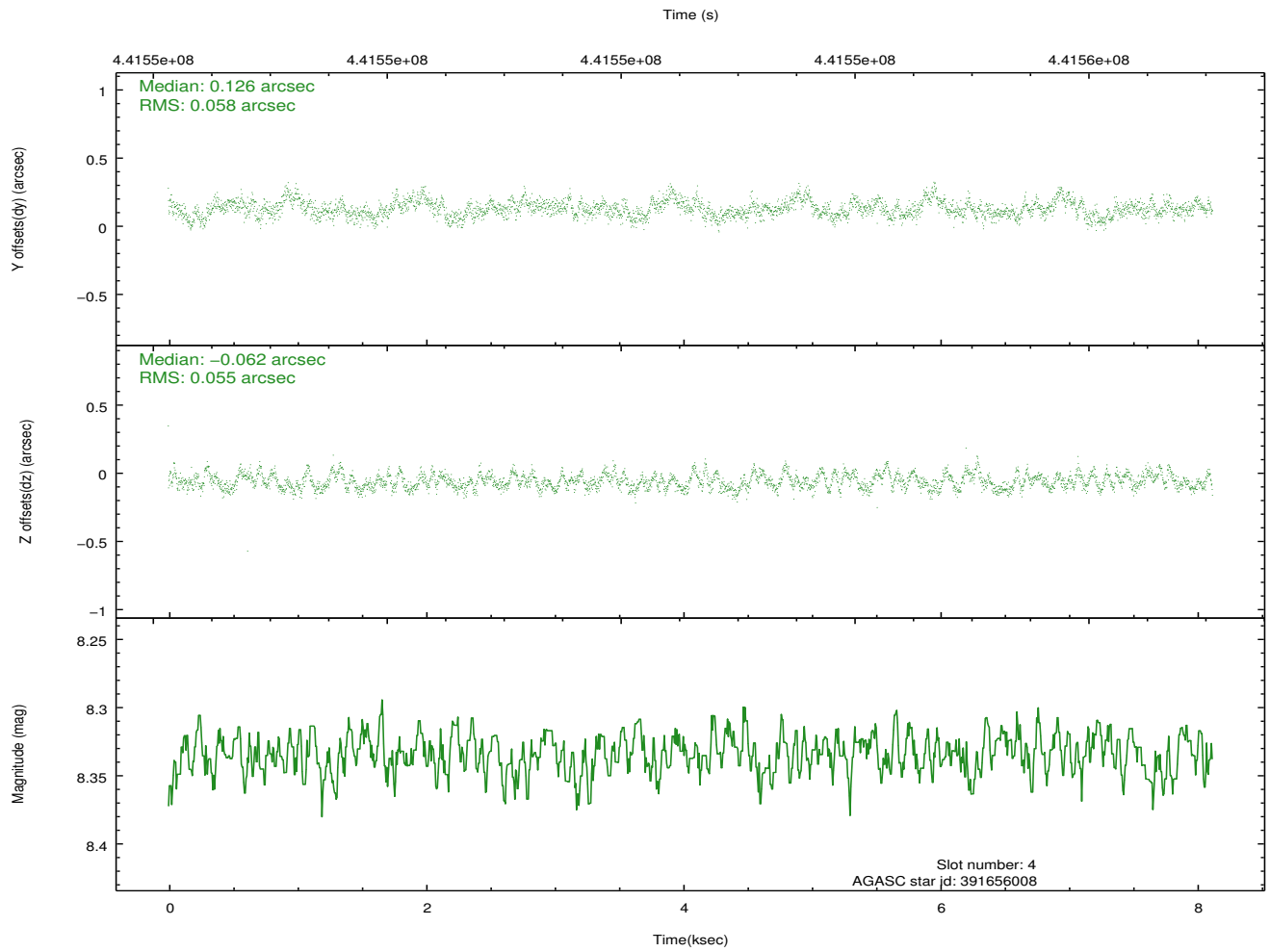
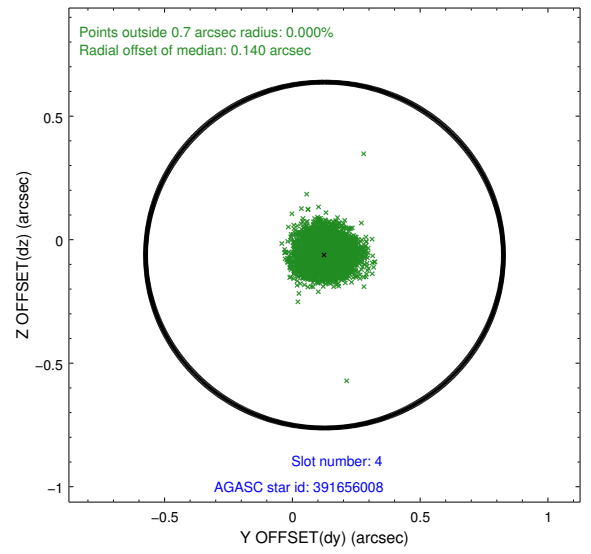
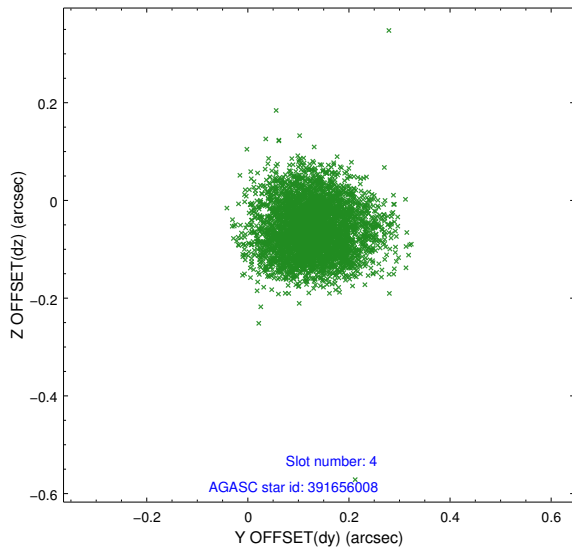
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.89	1982	-0.154	-0.093	0.007	0.011	0.000000	0.000000	-773.09	-1739.57
1	FID	ACIS-S-4	6.97	1981	0.176	0.088	0.009	0.015	0.000000	0.000000	2140.31	168.22
2	FID	ACIS-S-6	7.11	1981	-0.049	0.012	0.010	0.020	0.000000	0.000000	390.02	806.42
3	GUIDE	391654064	8.28	3960	0.199	0.163	0.094	0.143	133.090807	44.897628	-191.51	-873.02
4	GUIDE	391656008	8.33	3963	0.126	-0.062	0.084	0.134	132.447060	44.704271	-110.42	909.96
5	GUIDE	447888448	9.38	3941	-0.068	0.100	0.118	0.201	132.936918	45.032428	414.73	-727.18
6	GUIDE	447885680	8.80	3963	-0.129	-0.406	0.113	0.173	131.837092	45.058884	1718.41	1748.65
7	GUIDE	447885760	8.60	3960	-0.127	0.191	0.107	0.157	132.398636	45.440027	2328.14	-131.04

## 2.4 Star Slots

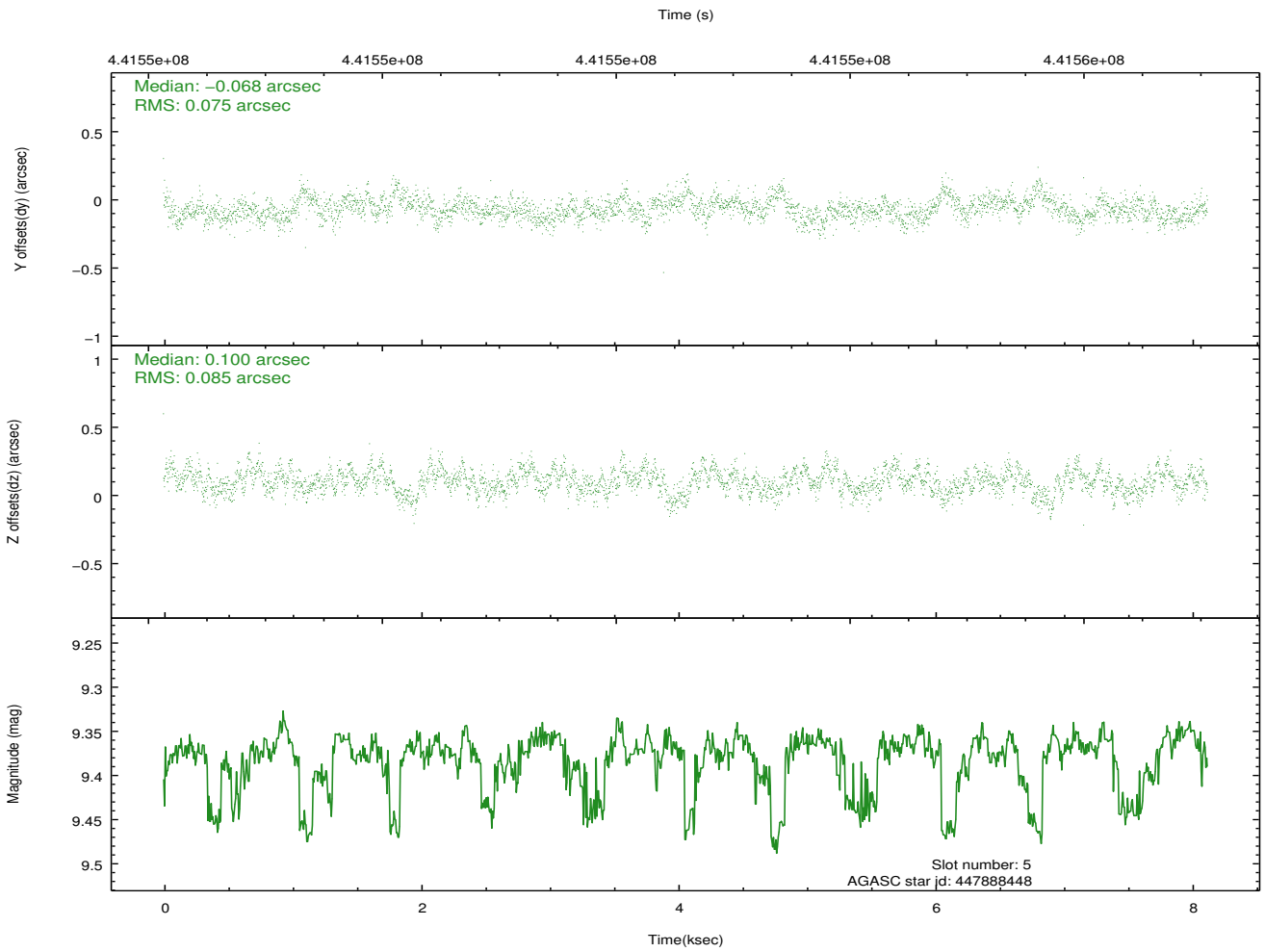
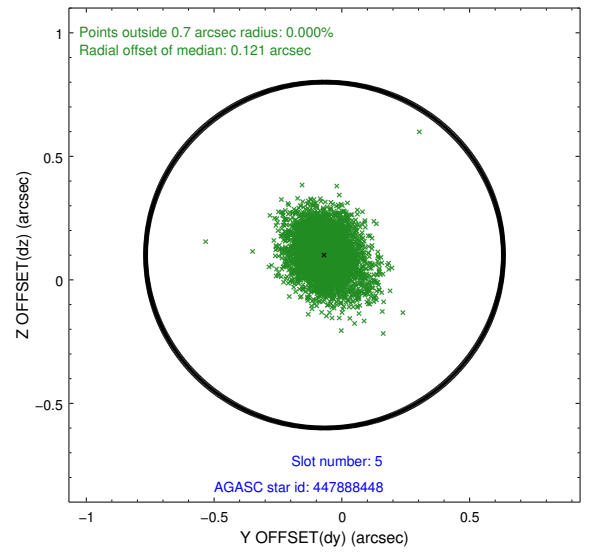
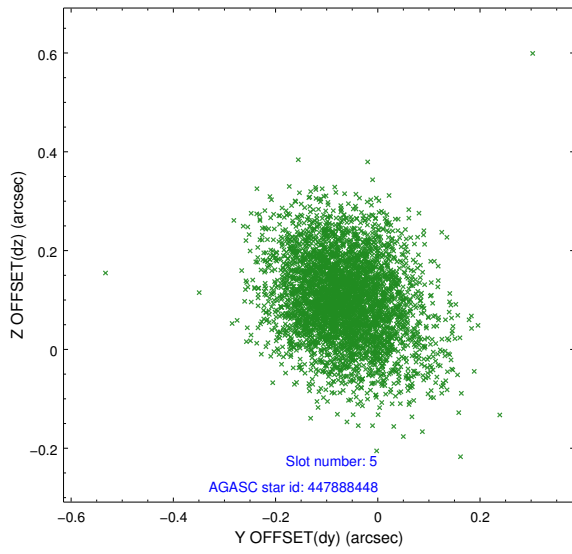
### 2.4.1 Slot 3



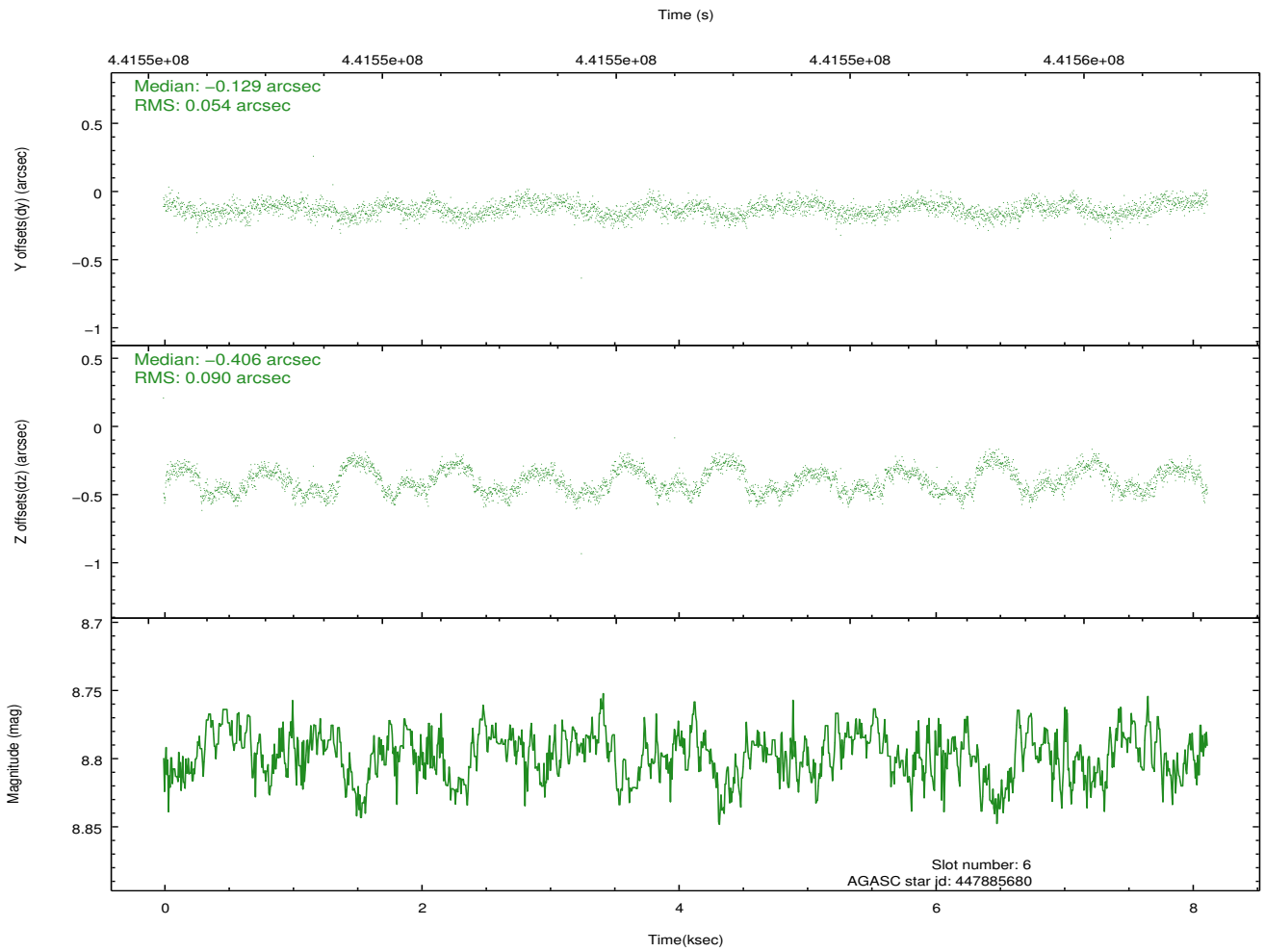
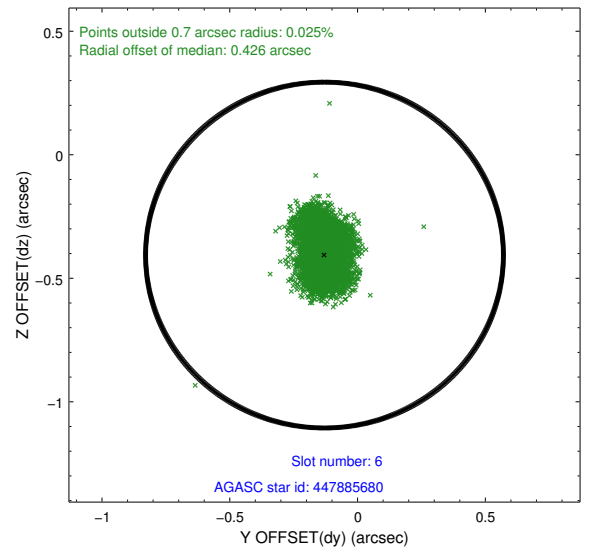
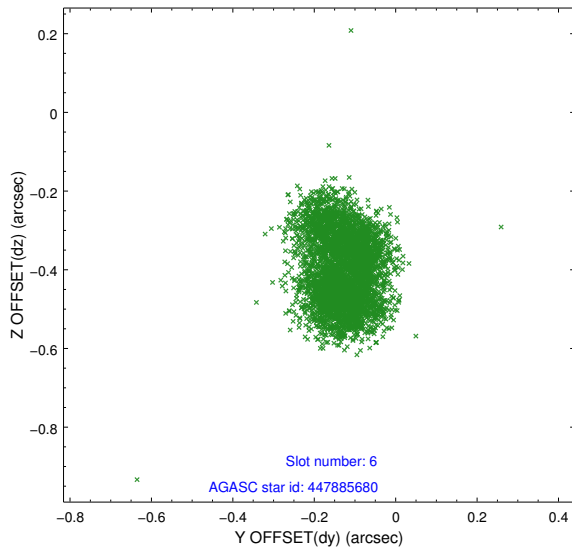
## 2.4.2 Slot 4



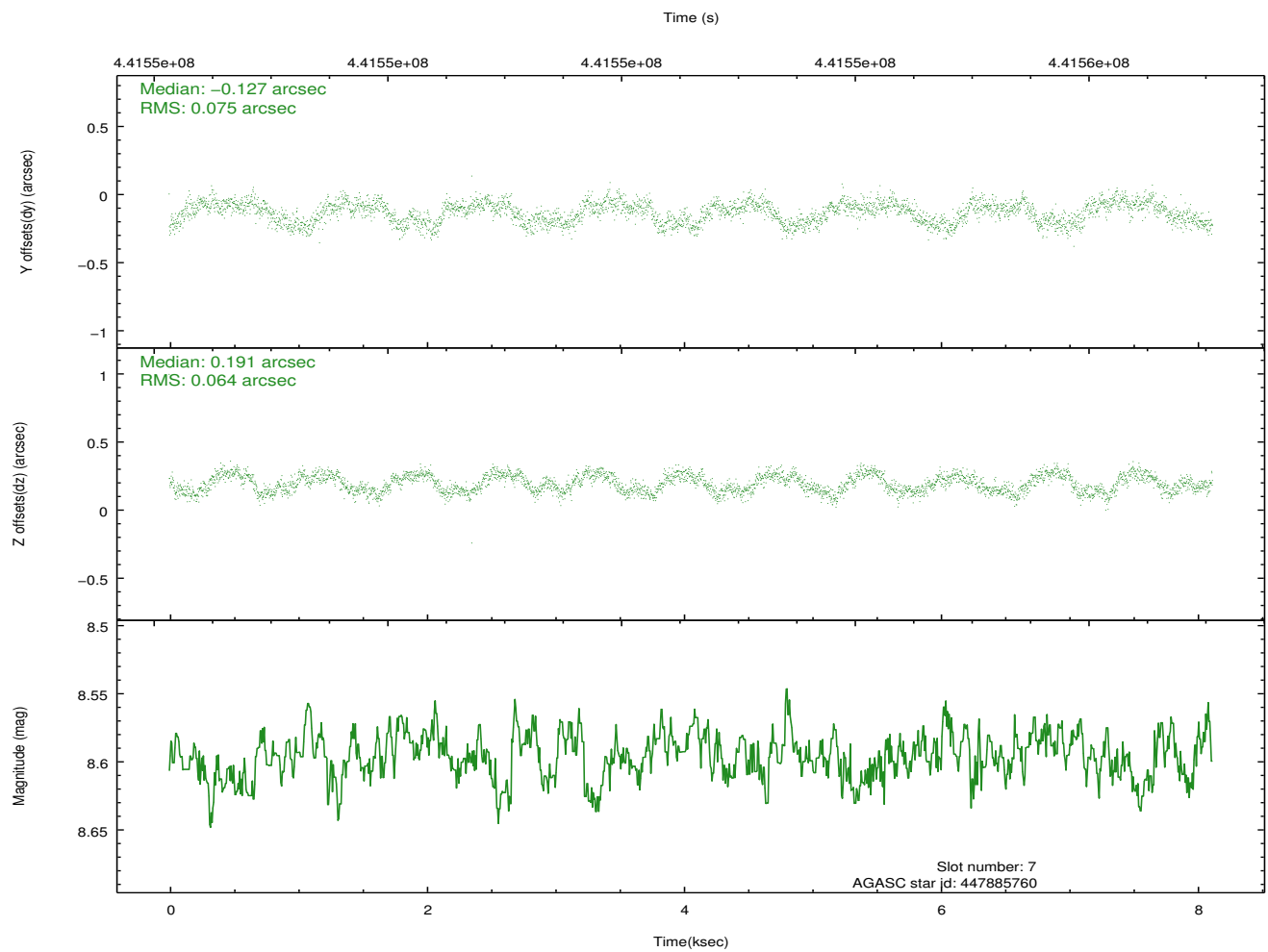
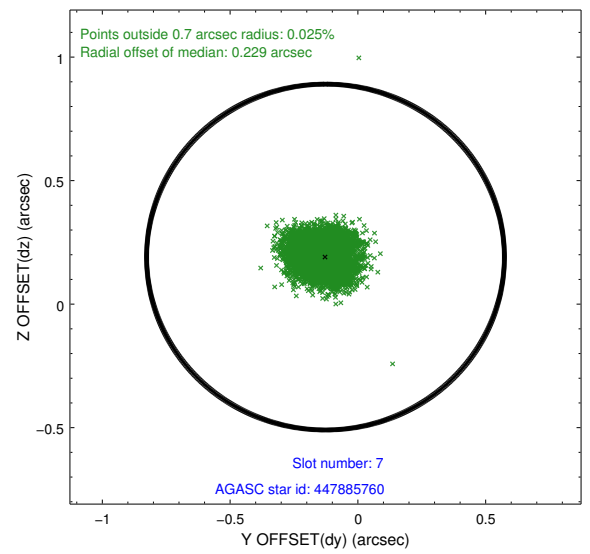
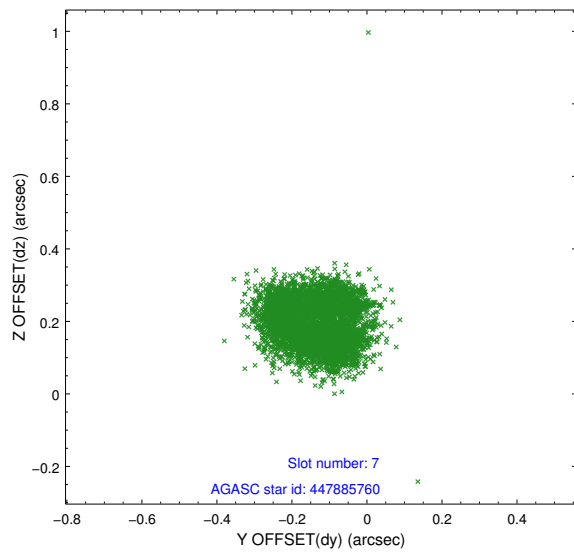
### 2.4.3 Slot 5



### 2.4.4 Slot 6

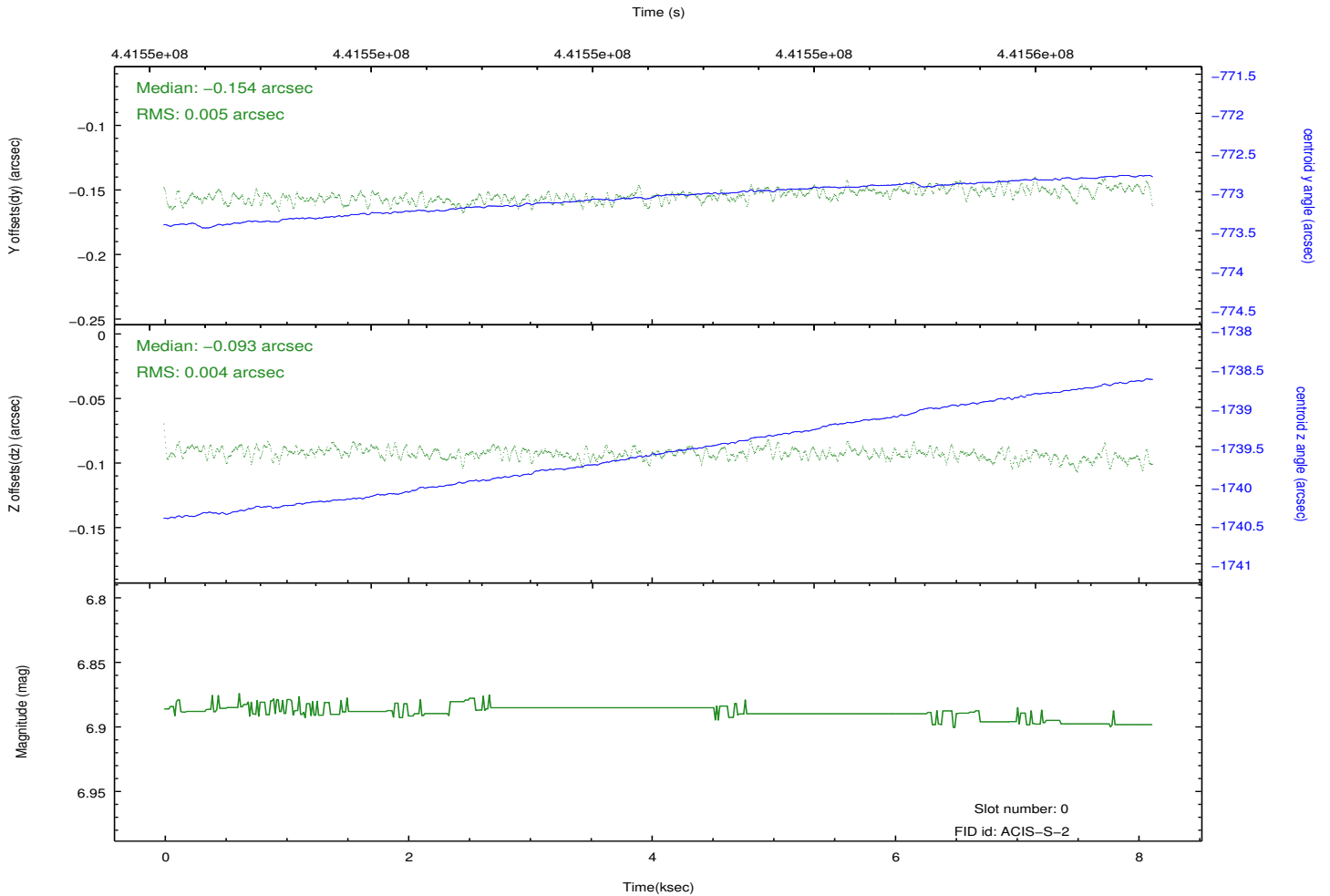
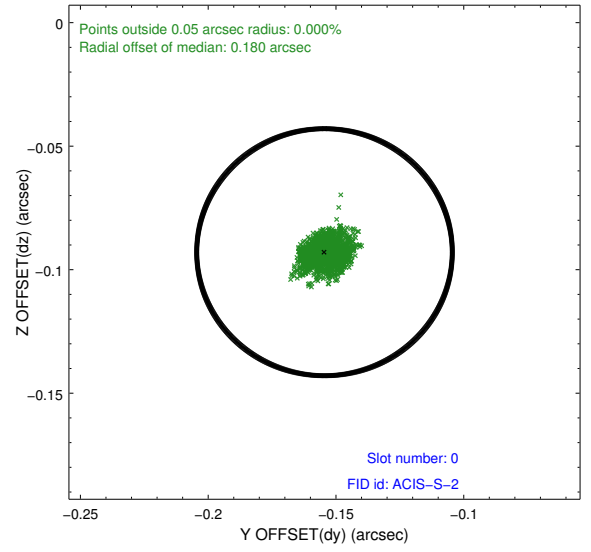
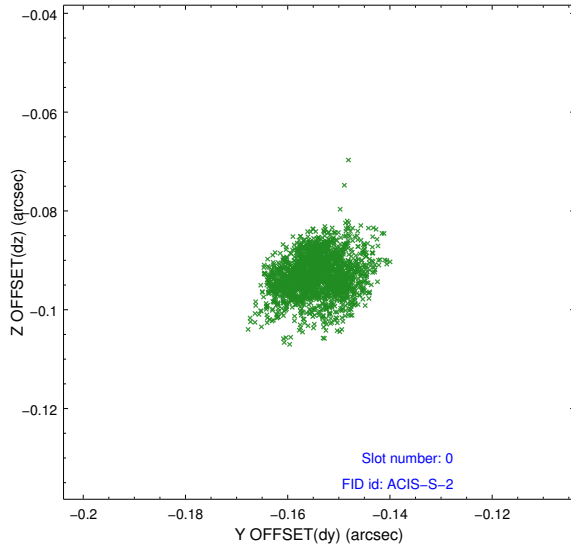


## 2.4.5 Slot 7

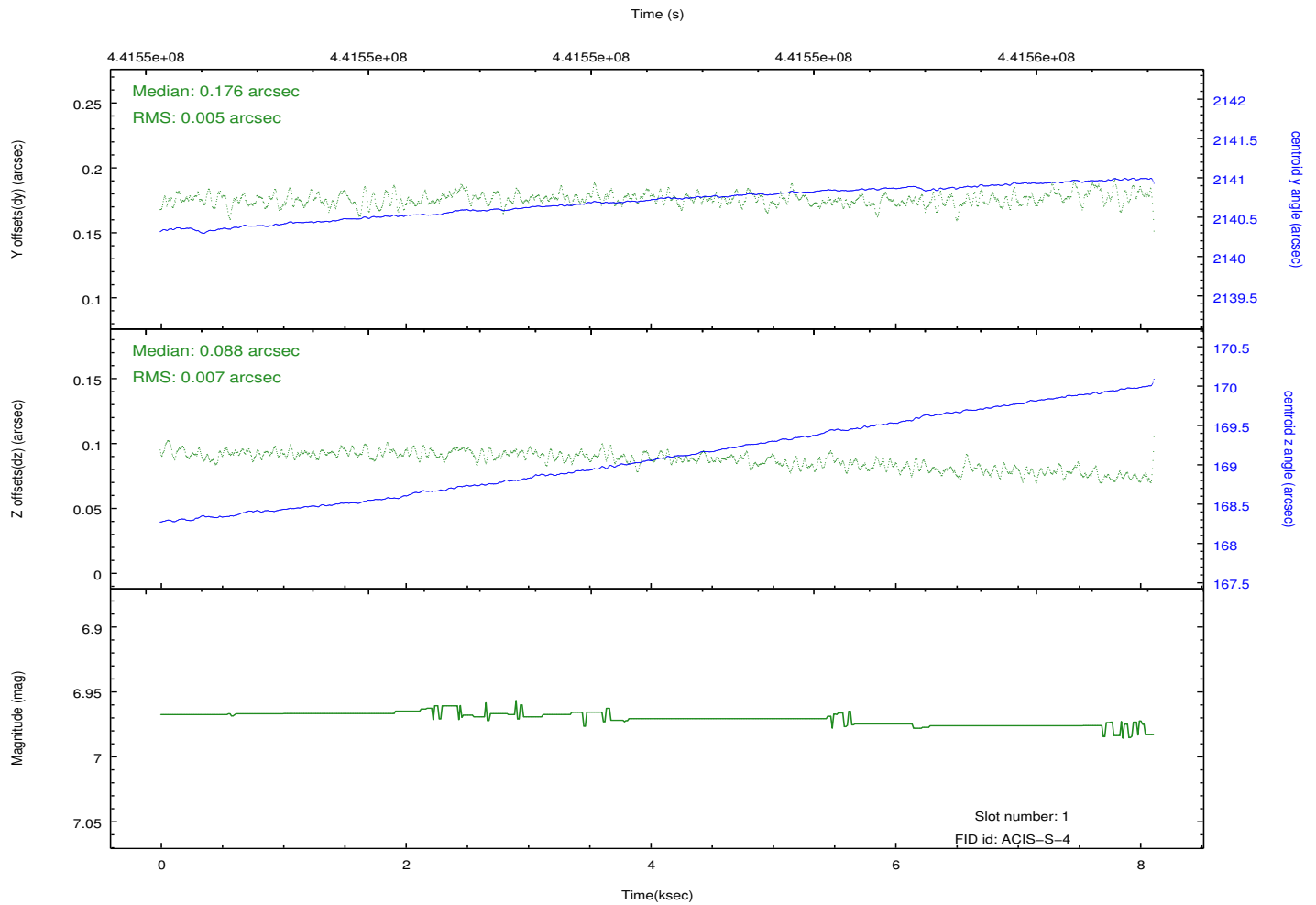
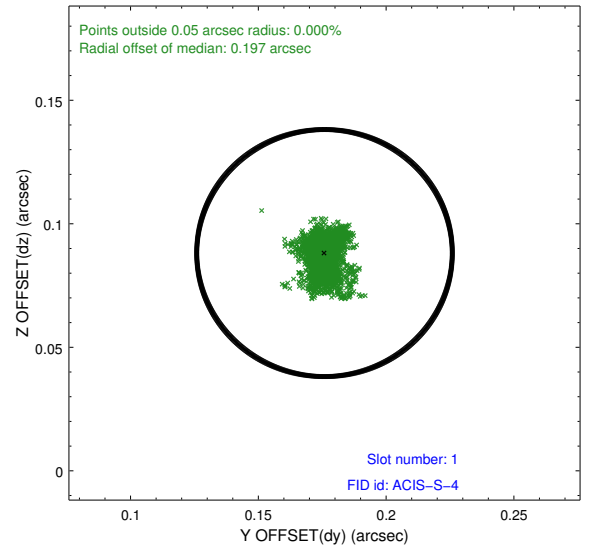
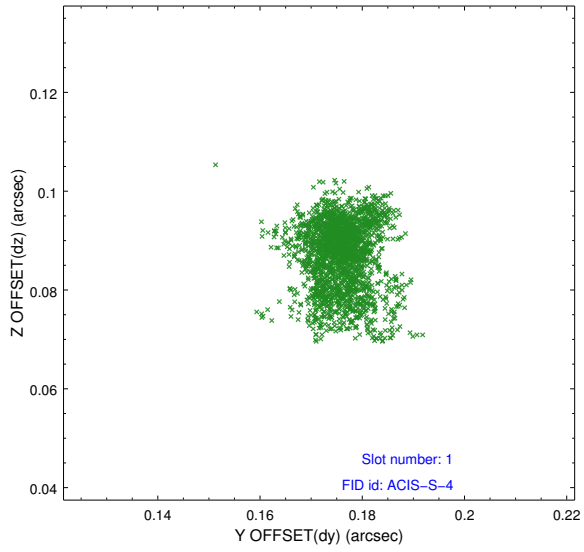


## 2.5 FID Slots

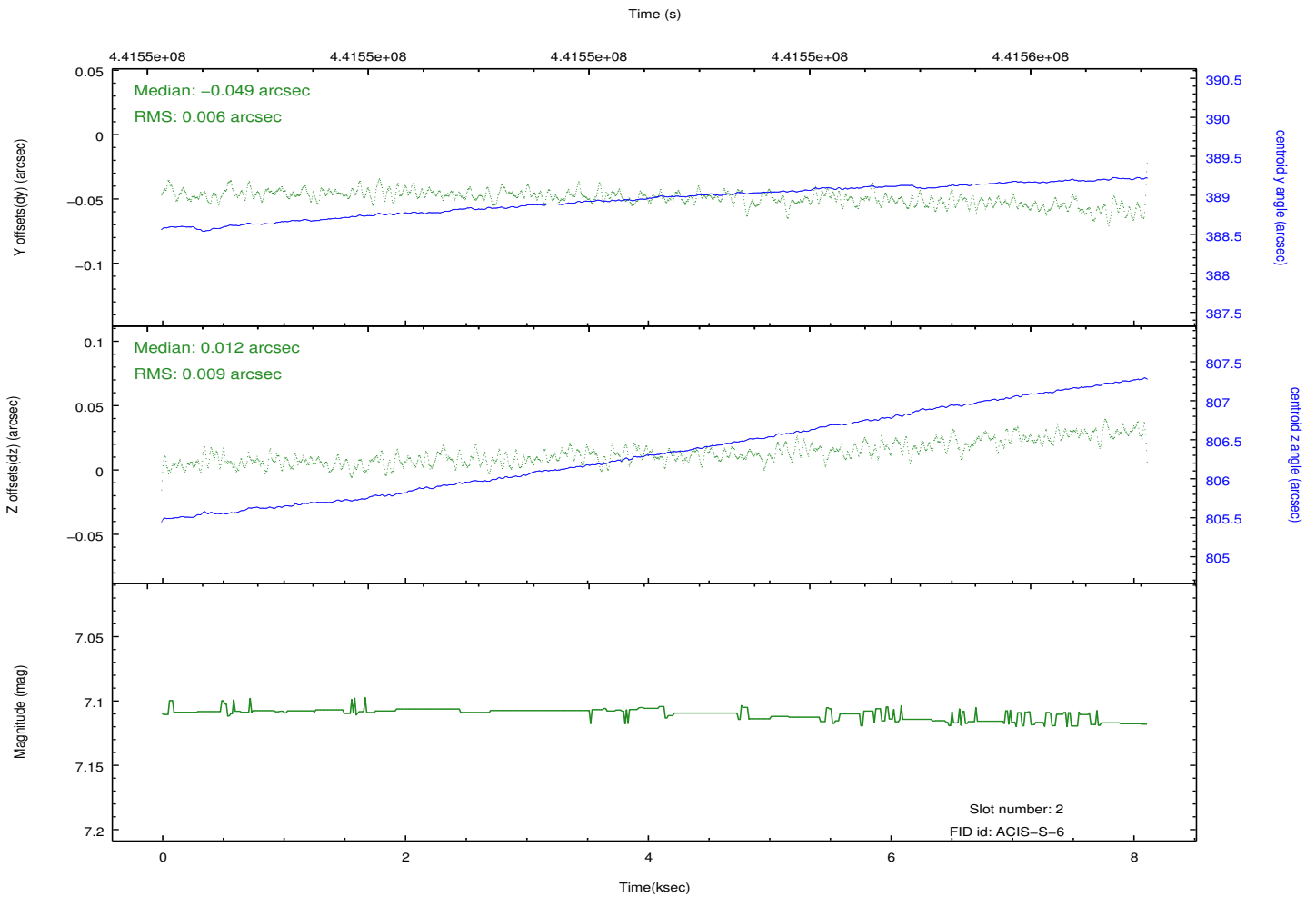
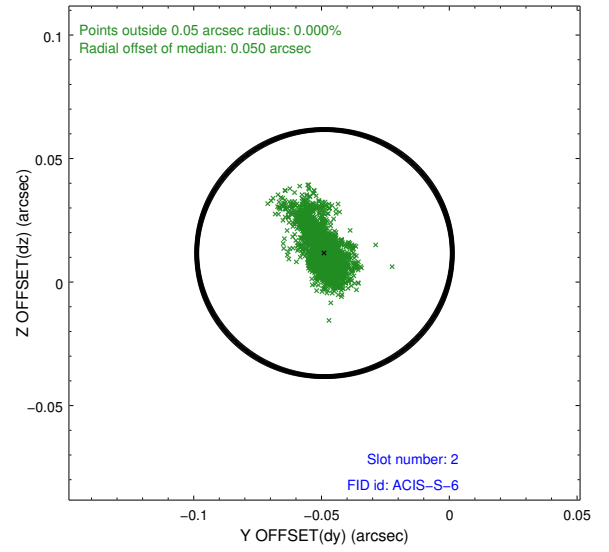
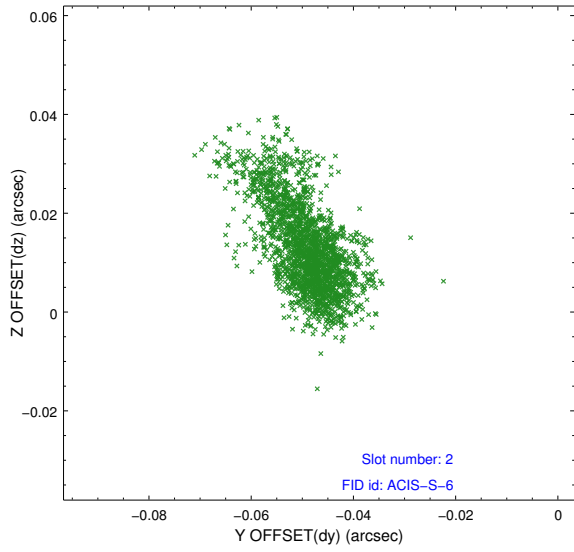
### 2.5.1 Slot 0



## 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)	2012.02.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.8519942981601

## A.2 Comments