

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 6877 - L2 Version 2  
Chandra X-Ray Center

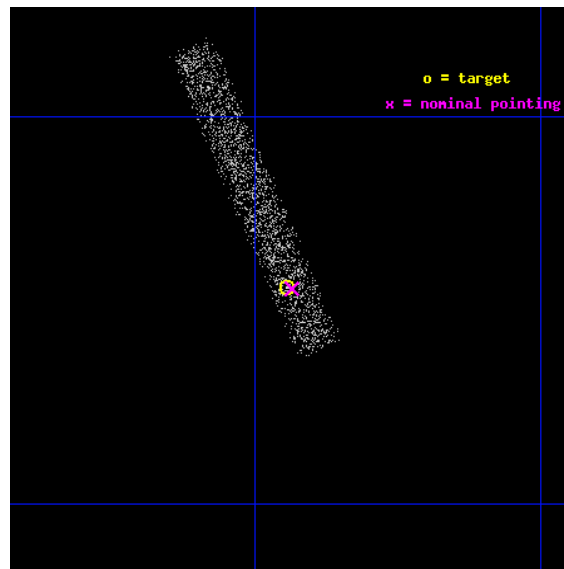
L2 Processing Date : Apr 3 2012

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# 1 Front

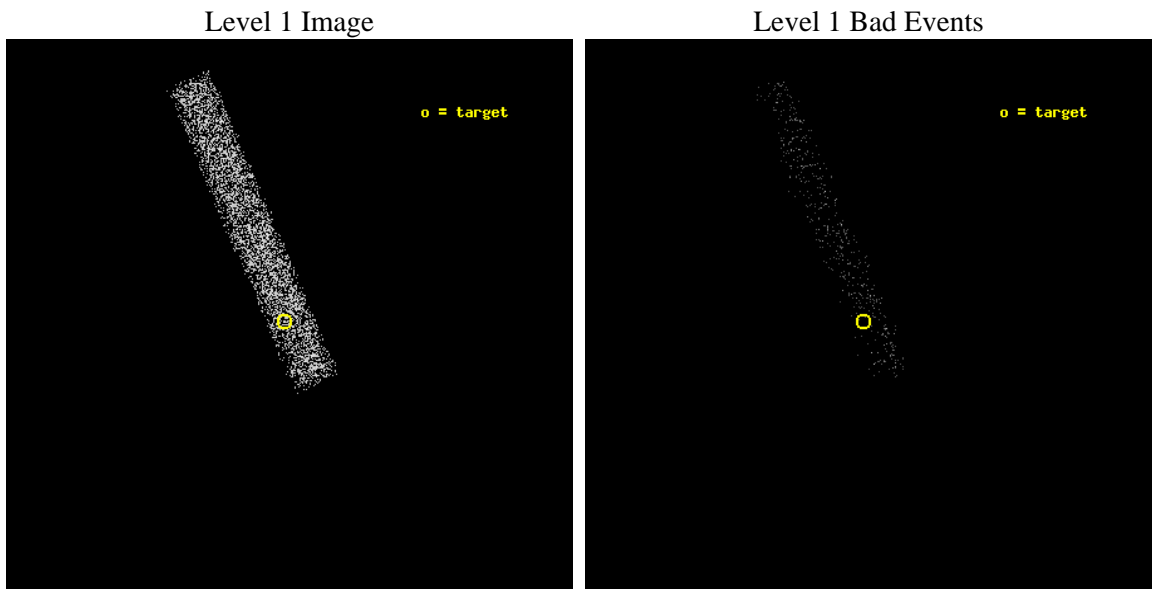
seq_num	701295	Sequence number
obs_id	6877	Observation id
title	Alpha Element Enrichment in Damped Lyman Alpha Absorbers: Survey for New Targets	Proposal title
observer	Dr. Jill Bechtold	Principal investigator
object	Q1225+0035	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	186.485833	Observer's specified target RA [deg]
dec_targ	0.593056	Observer's specified target Dec [deg]
ra_nom	186.48372552079	Nominal RA [deg]
dec_nom	0.59253508647747	Nominal Dec [deg]
roll_nom	246.76455813838	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3180.8000473678	Sum of GTIs [s]
liveltime	2884.8177465698	Livetime [s]
ontime7	3180.8000473678	Sum of GTIs [s]
l2events	2350	Number of level 2 events



## 2 OBI

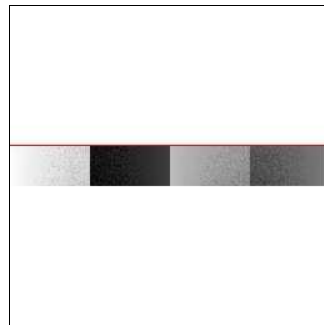
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	3180.8000473678	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime7	3180.8000473678	Sum of GTIs [s]
date	2012-04-04T00:37:58	Date and time of file creation	l1events	6051	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

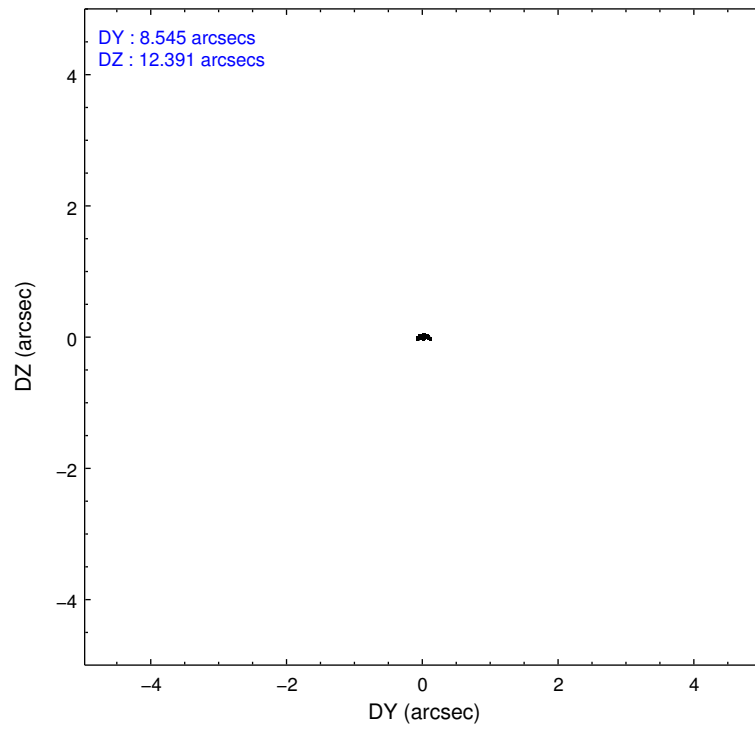
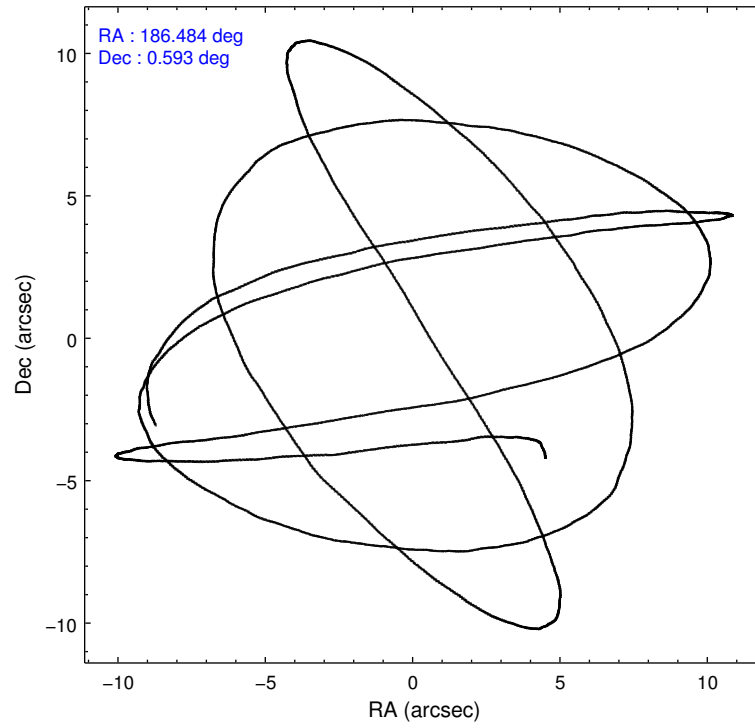
	<b>ccd 7</b>
level 1 events	6051
rejected events	3596
rejected %	59%

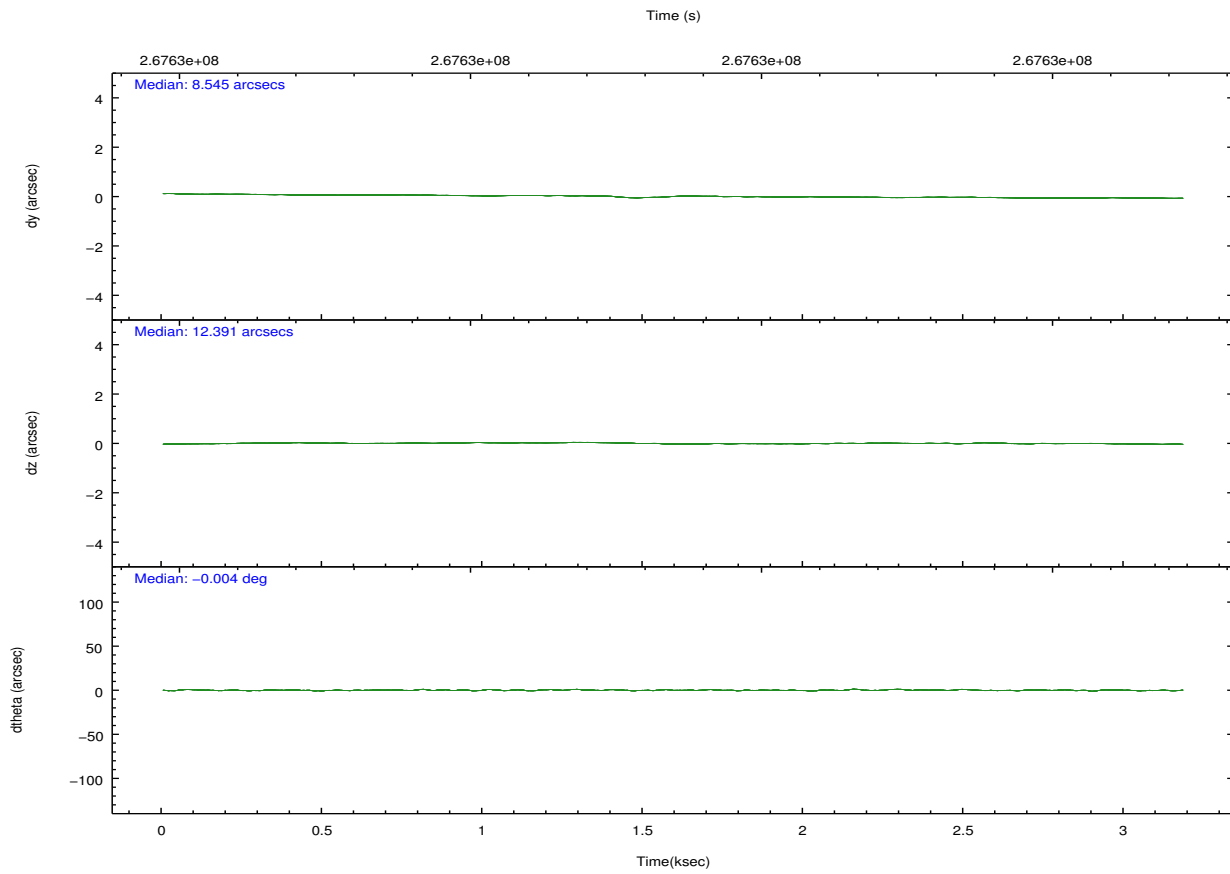
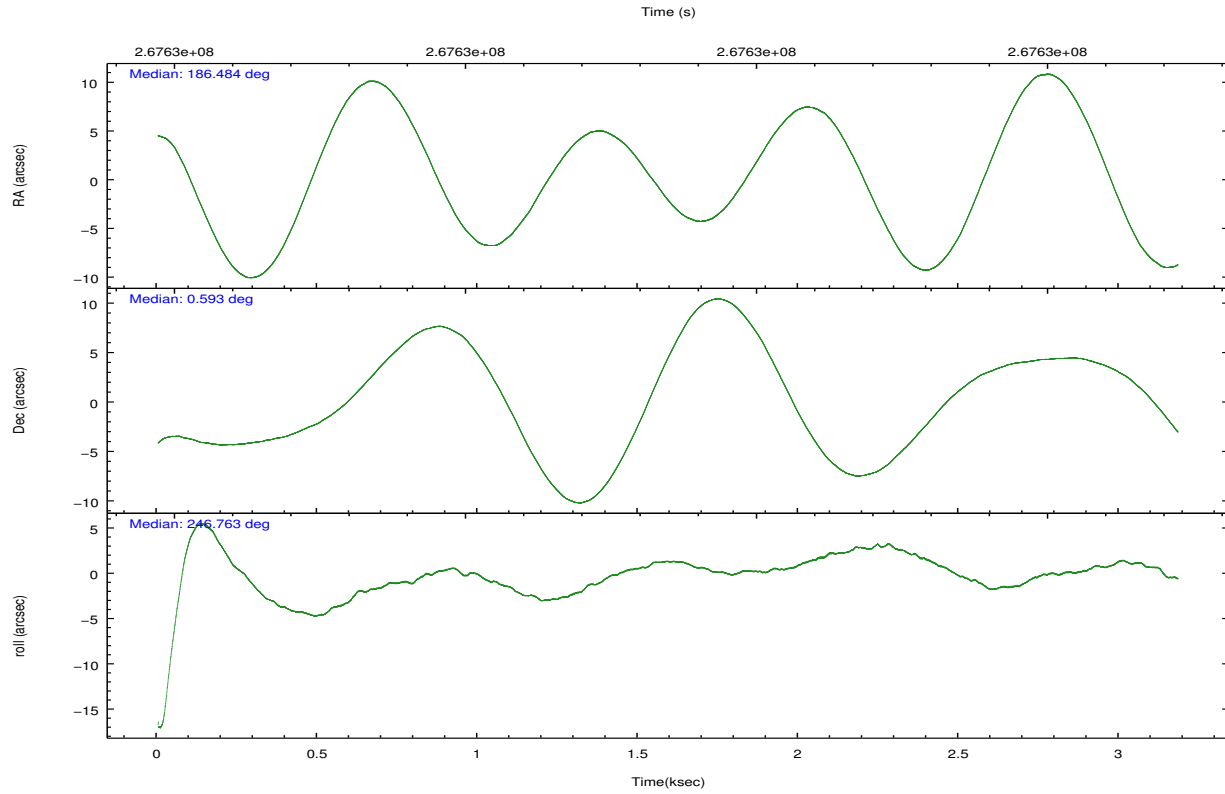
	<b>ccd 7</b>
grade 0 events	274
	4%
grade 1 events	7
	0%
grade 2 events	563
	9%
grade 3 events	355
	5%
grade 4 events	329
	5%
grade 5 events	583
	9%
grade 6 events	1232
	20%
grade 7 events	2708
	44%

## 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	186.480231	186.4837255207906	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	0.619566	0.5925350864774717	Subarray start row	449	449
[deg] Pointing Roll	246.608041	246.7645581383831	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	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	267627291.184000	267626474.42192			
Observation start date	2006-06-25T12:53:46	2006-06-25T12:41:14			
[s] Observation end time (MET)	267630291.184000	267631228.37214			
Observation end date	2006-06-25T13:43:46	2006-06-25T14:00:28			
Read mode	TIMED	TIMED			

## 2.3 Aspect





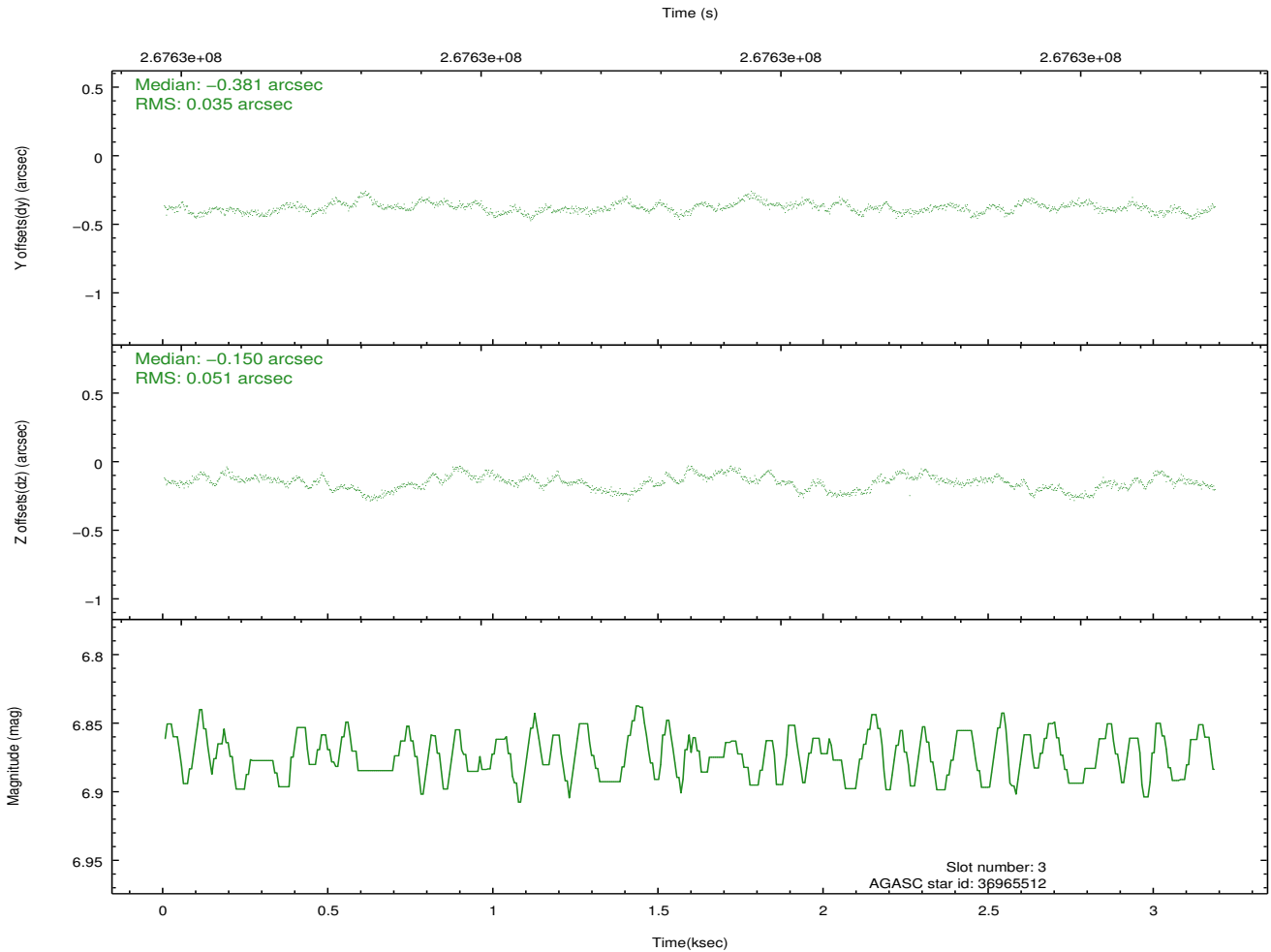
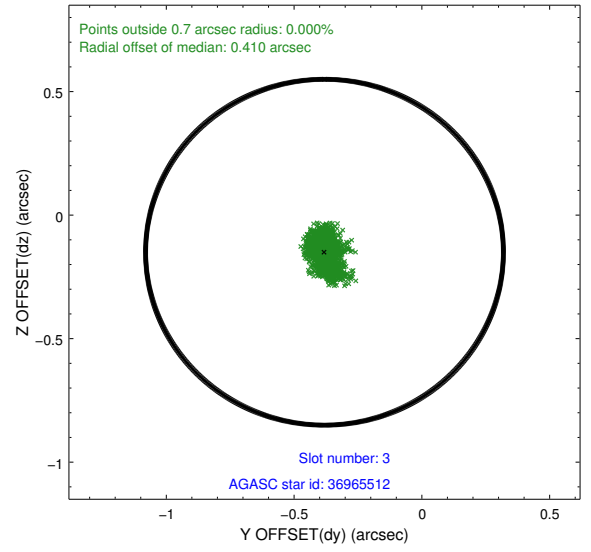
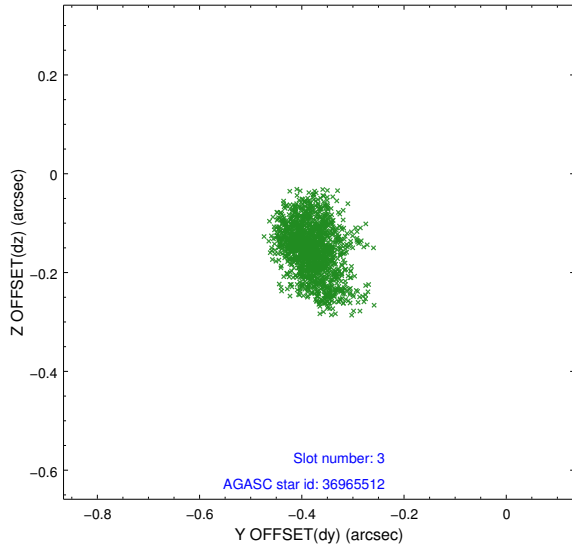
### Slot Statistics

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	776	-0.004	-0.027	0.006	0.011	0.000000	0.000000	-761.36	-1733.67
1	FID	ACIS-S-4	7.20	776	0.106	0.010	0.007	0.012	0.000000	0.000000	2151.13	172.76
2	FID	ACIS-S-5	7.23	777	-0.133	0.026	0.007	0.012	0.000000	0.000000	-1811.75	168.75
3	GUIDE	36965512	6.87	1553	-0.381	-0.150	0.067	0.109	186.169677	1.383937	-2082.23	-2118.60
4	GUIDE	36968704	8.14	1553	-0.115	-0.074	0.062	0.100	186.570138	0.514751	216.56	445.40
5	GUIDE	36968880	9.71	1550	0.244	0.084	0.141	0.229	186.056559	0.220985	1923.05	-829.38
6	GUIDE	36970160	8.85	1553	0.076	-0.149	0.084	0.134	186.752121	0.119529	1264.90	1612.66
7	GUIDE	647628352	9.45	1550	0.175	0.297	0.102	0.165	186.642249	-0.148810	2308.23	1635.48

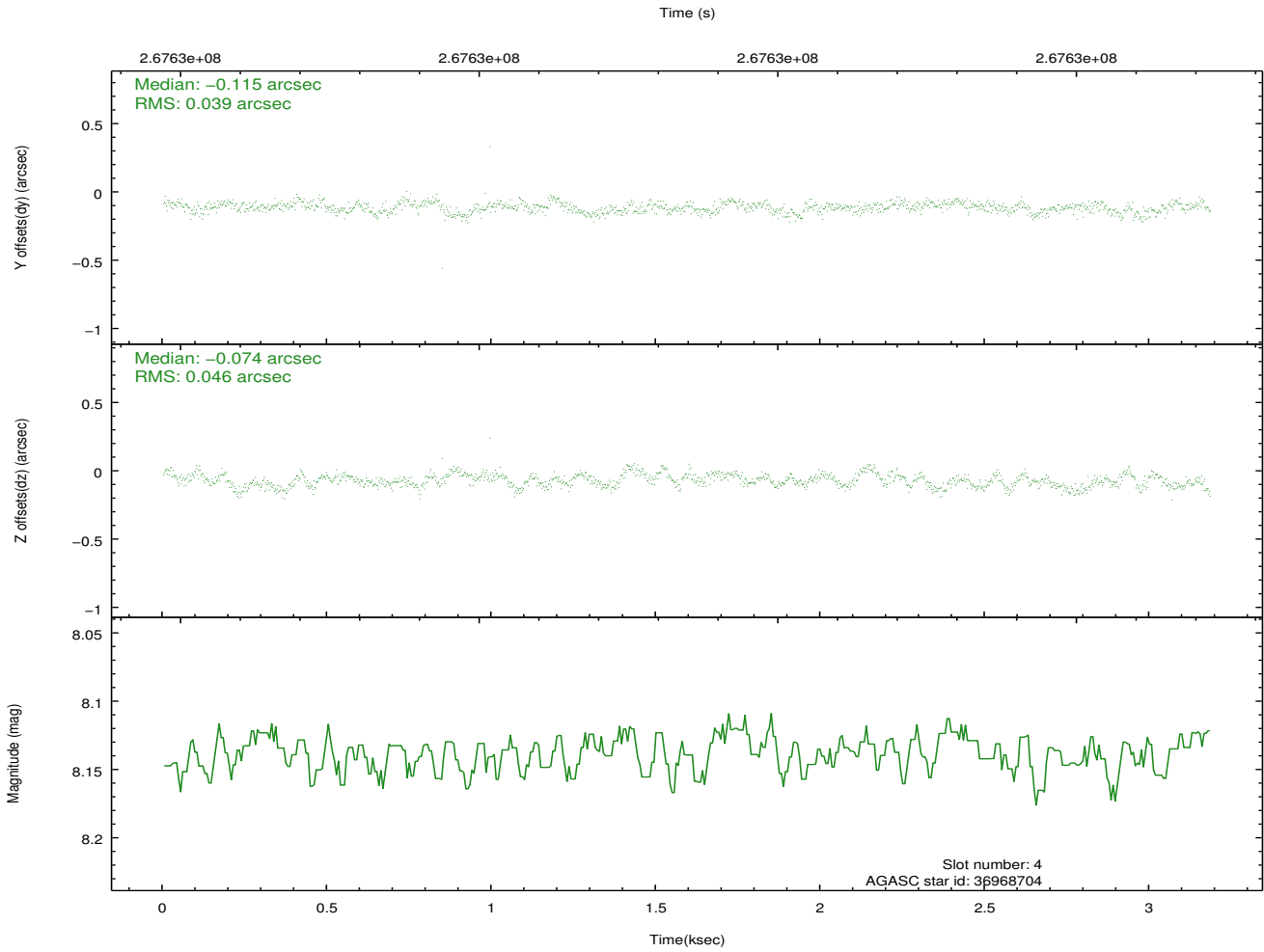
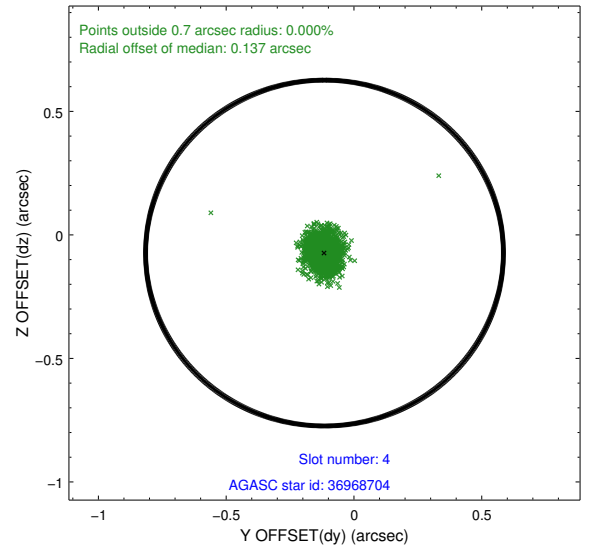
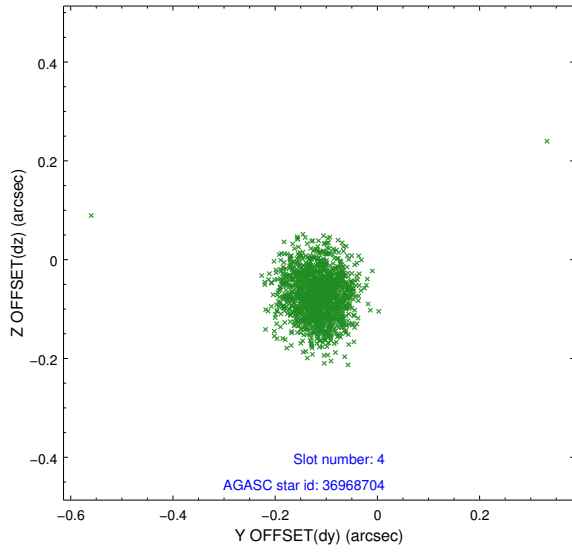
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## 2.4 Star Slots

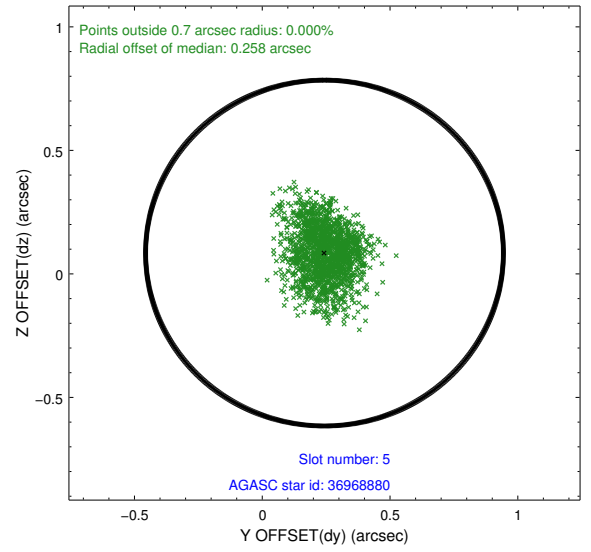
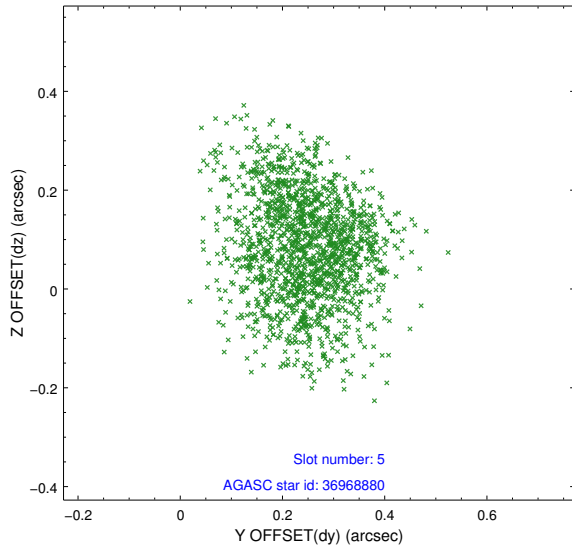
### 2.4.1 Slot 3



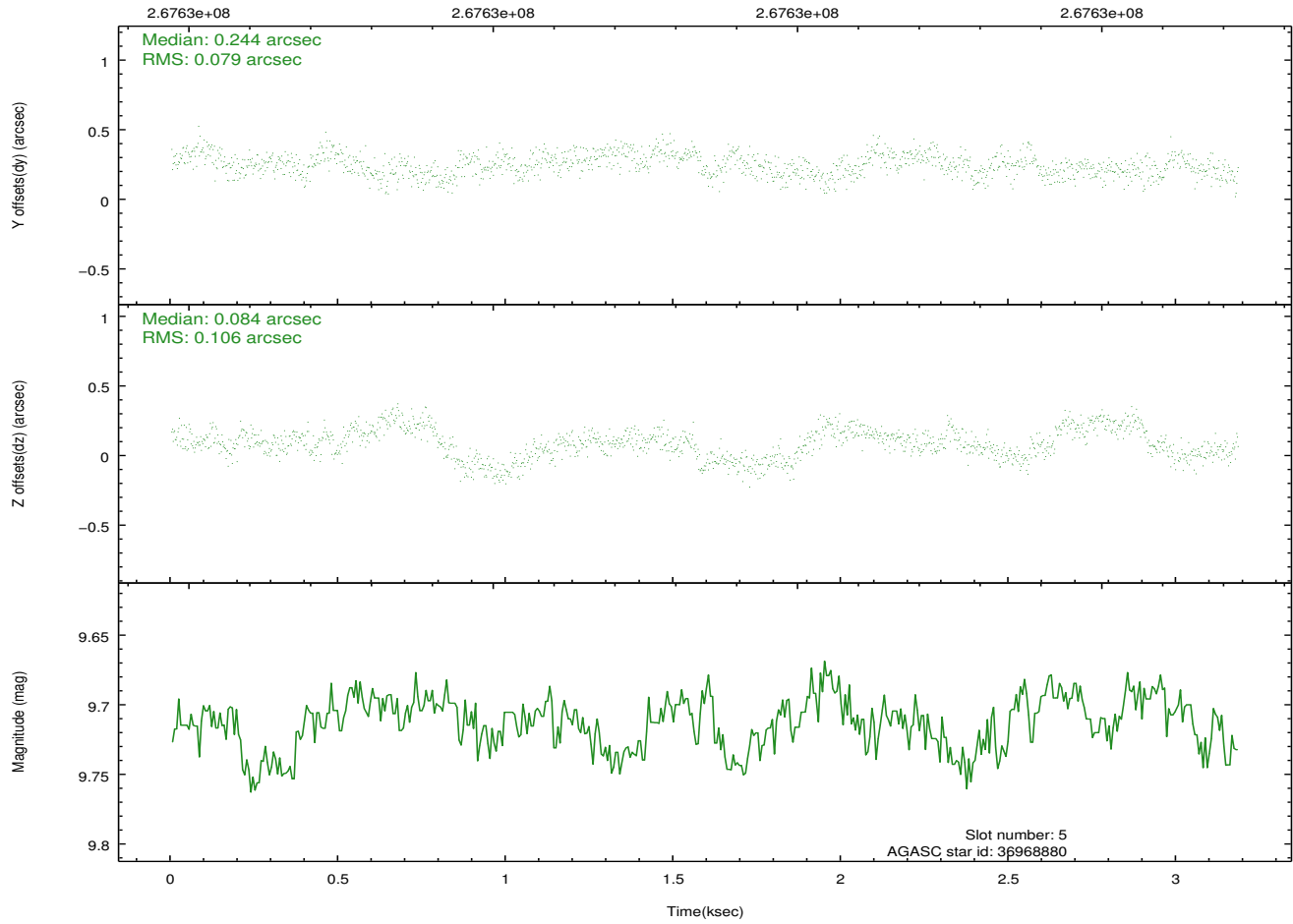
### 2.4.2 Slot 4



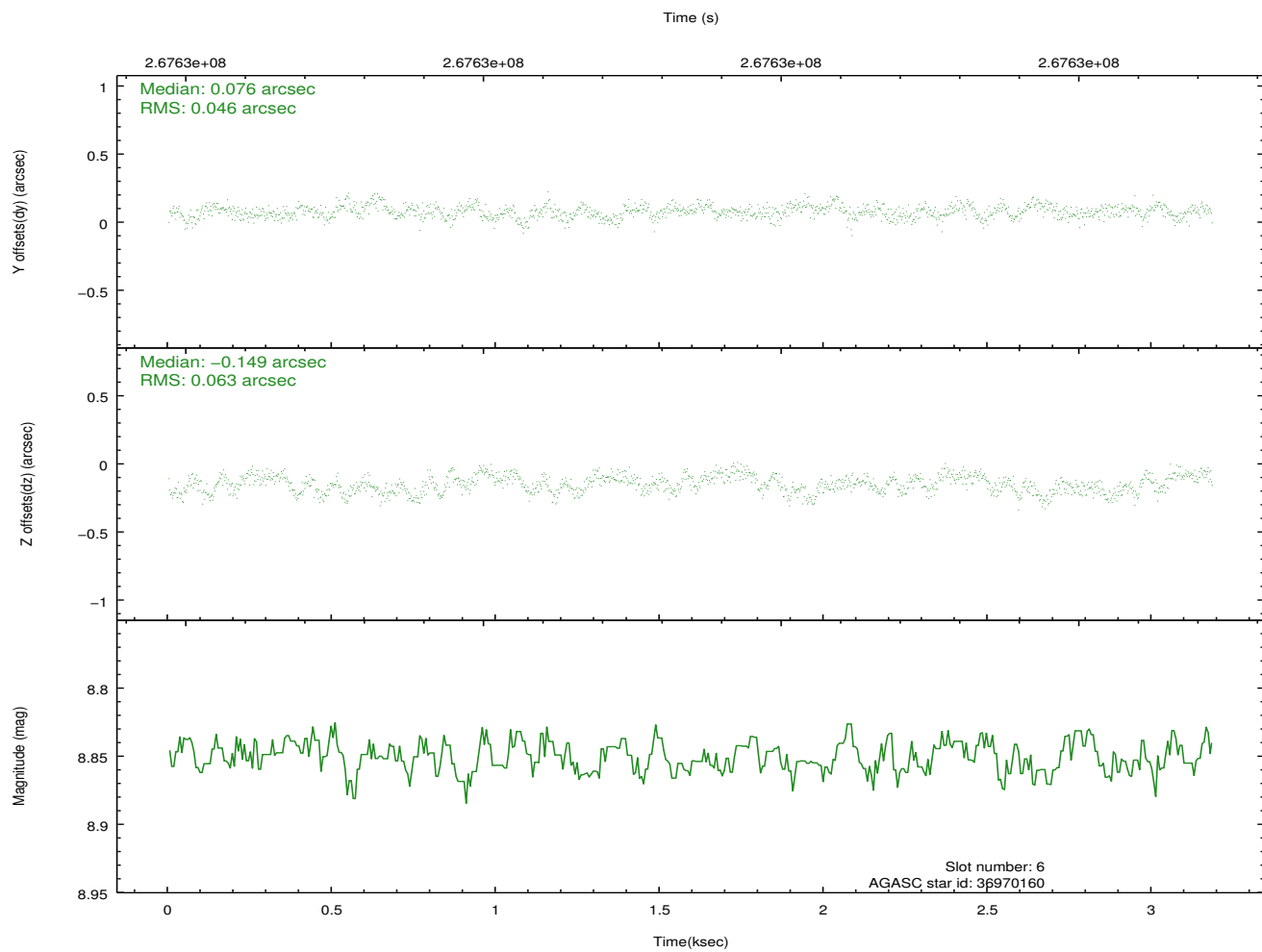
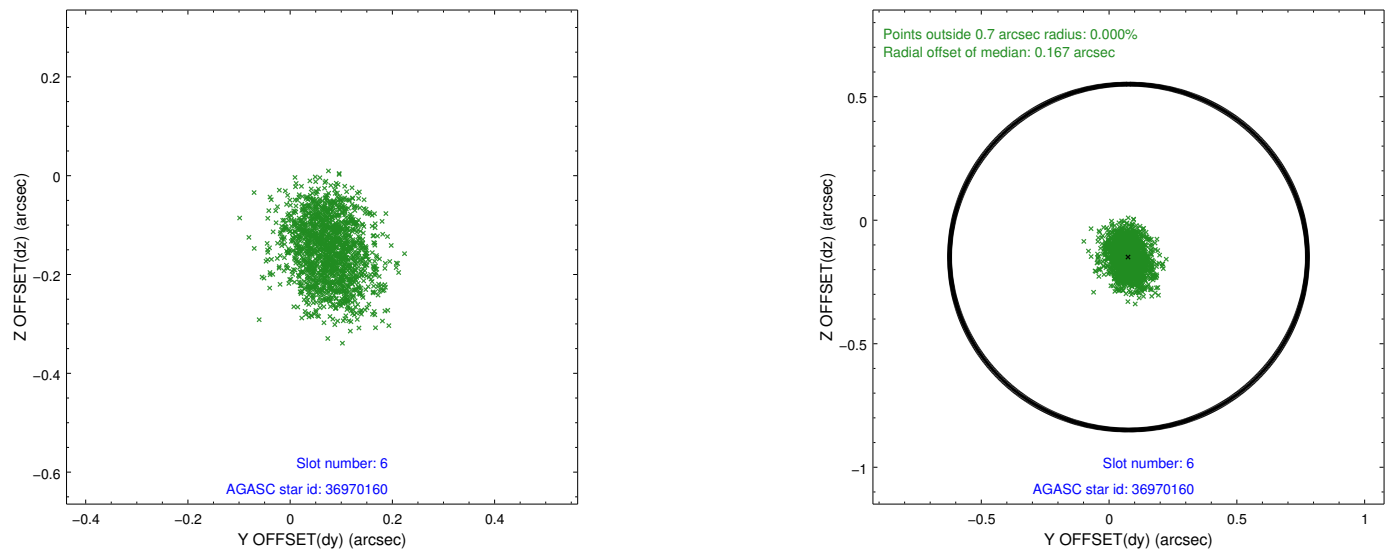
### 2.4.3 Slot 5



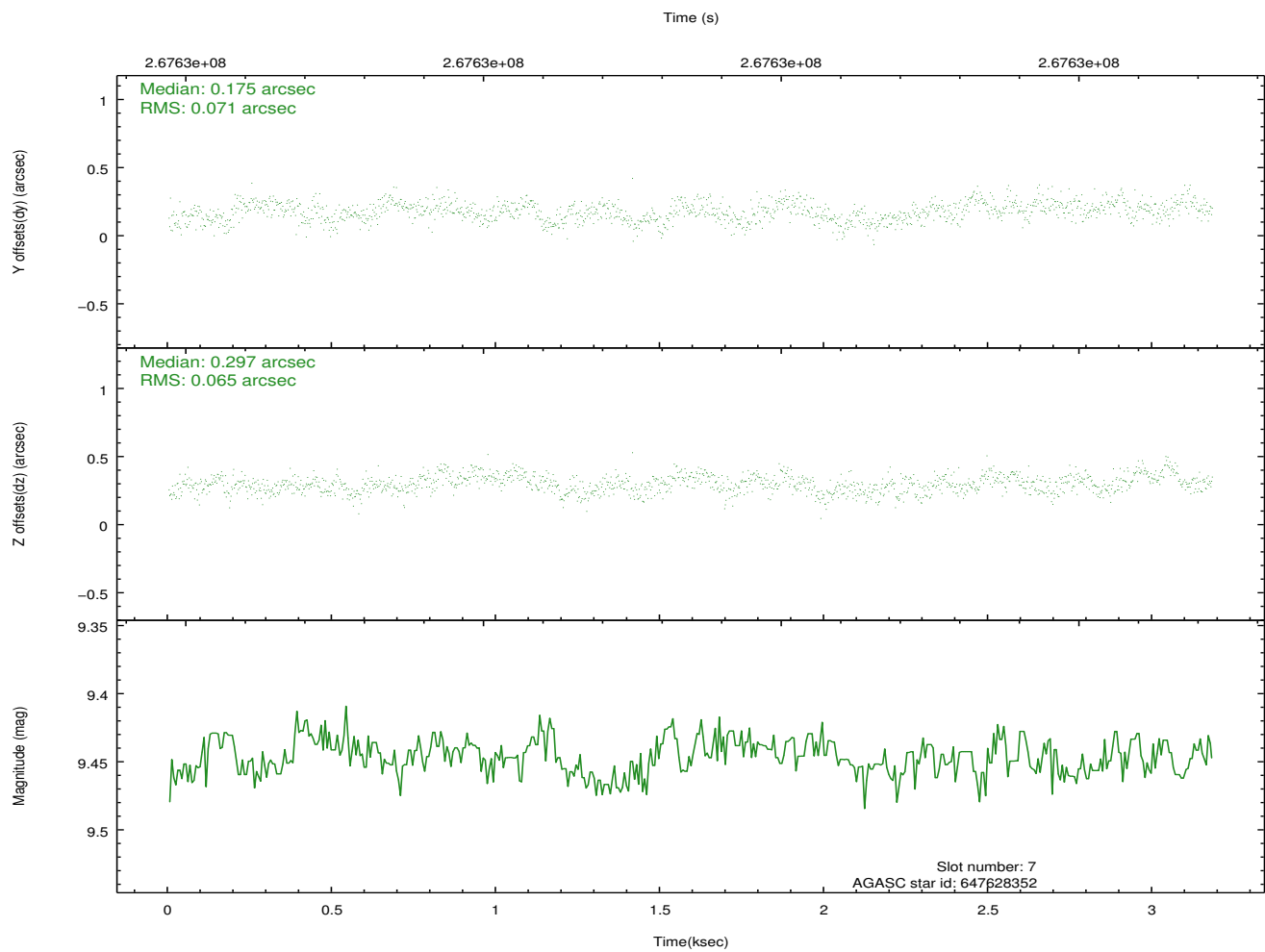
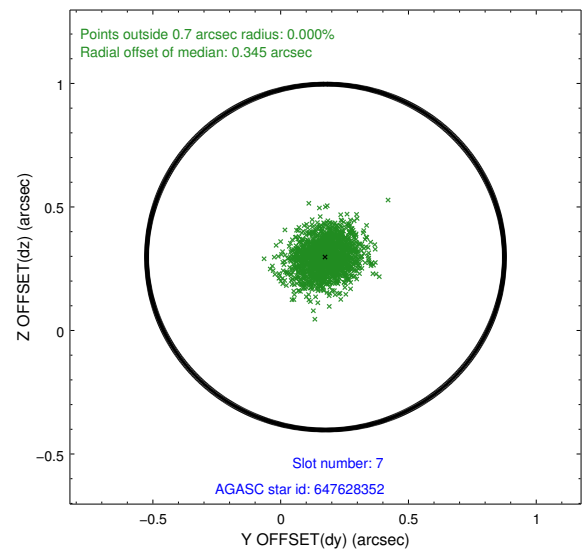
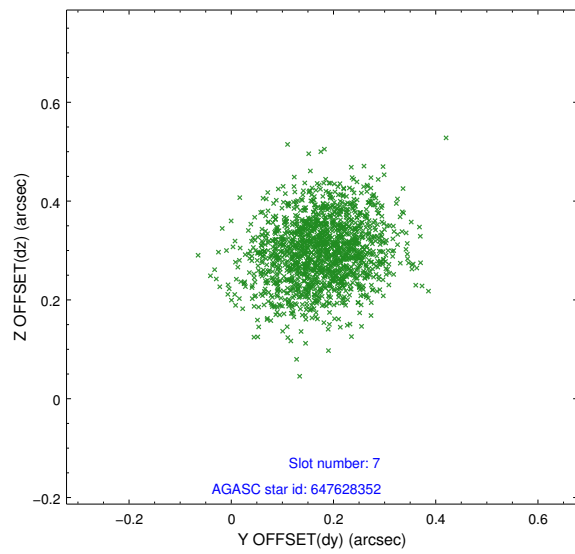
Time (s)



### 2.4.4 Slot 6

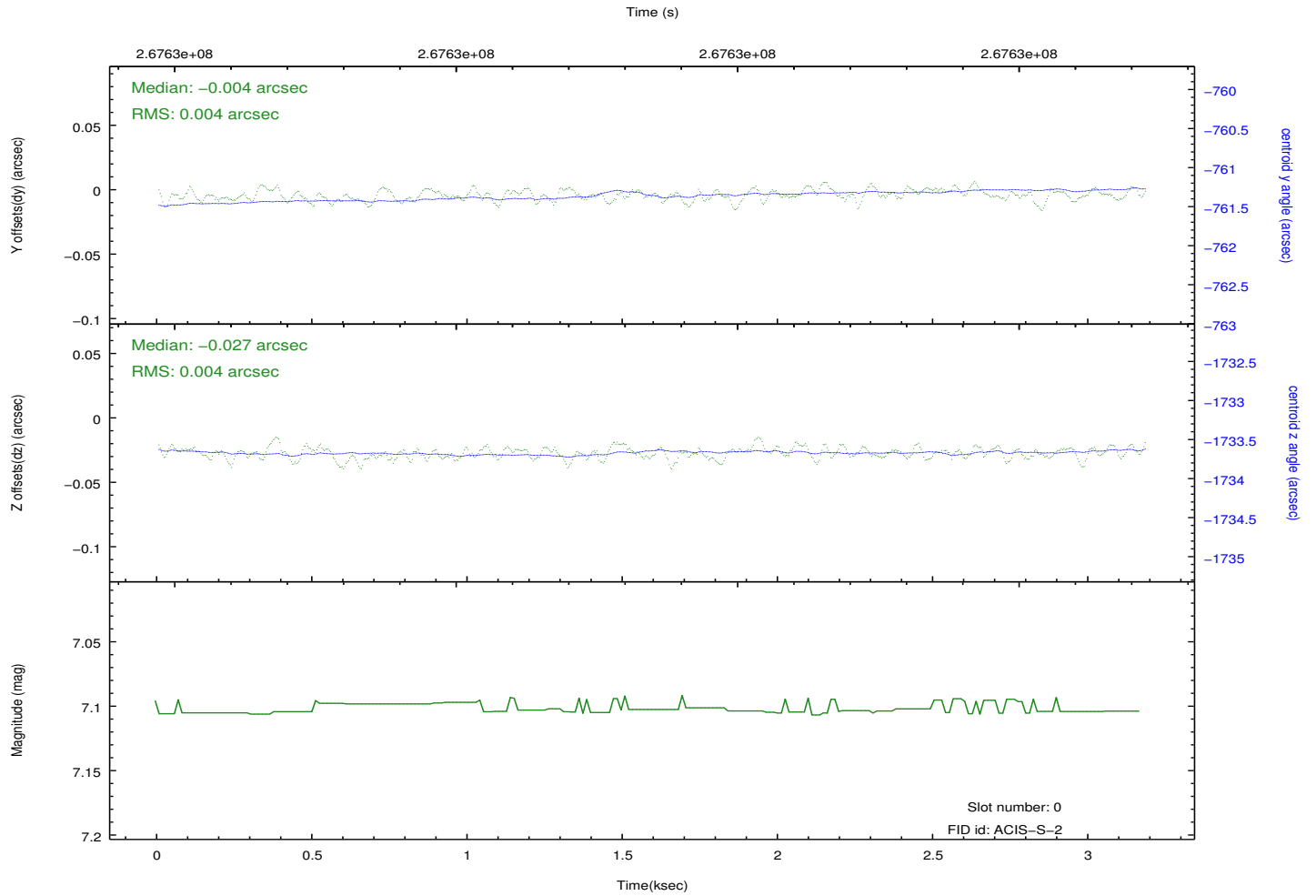
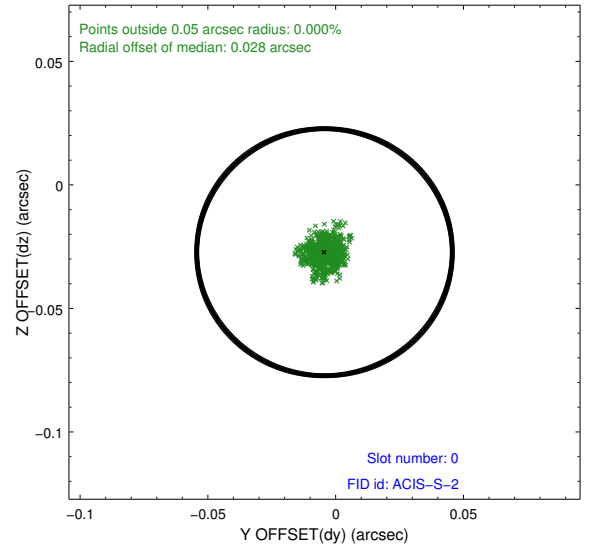
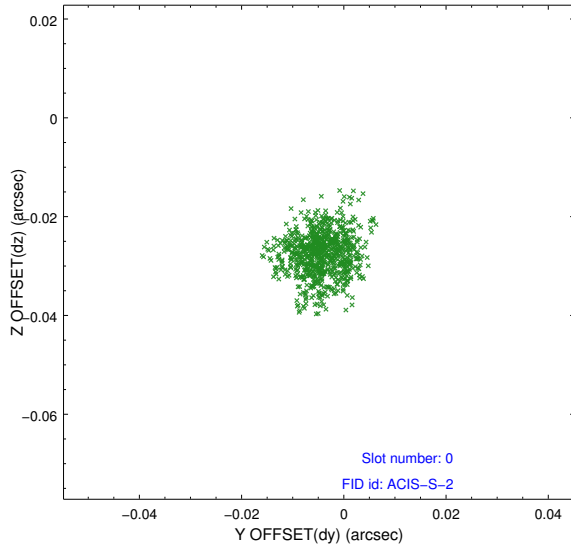


## 2.4.5 Slot 7

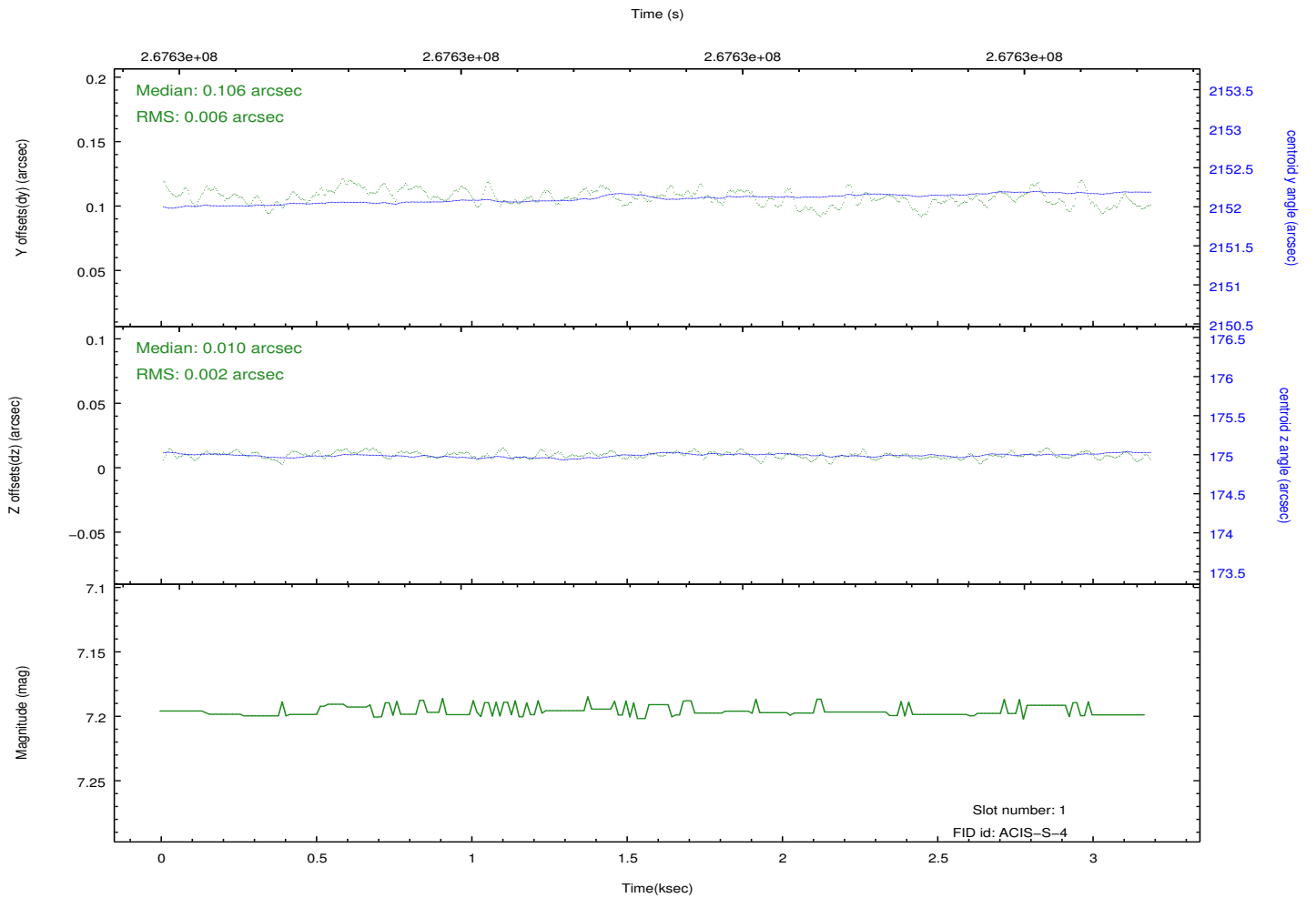
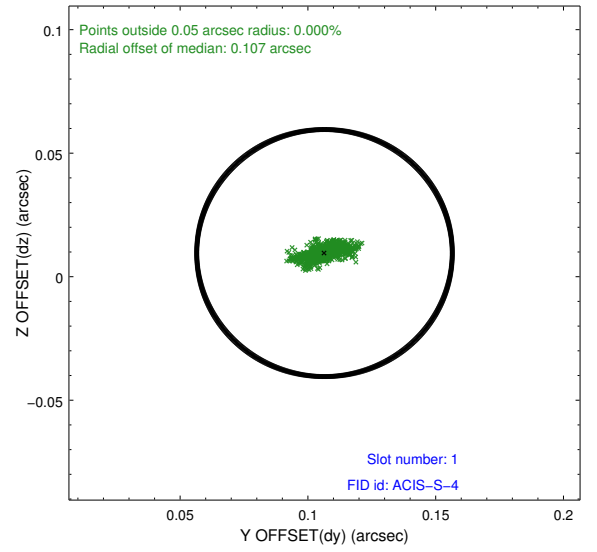
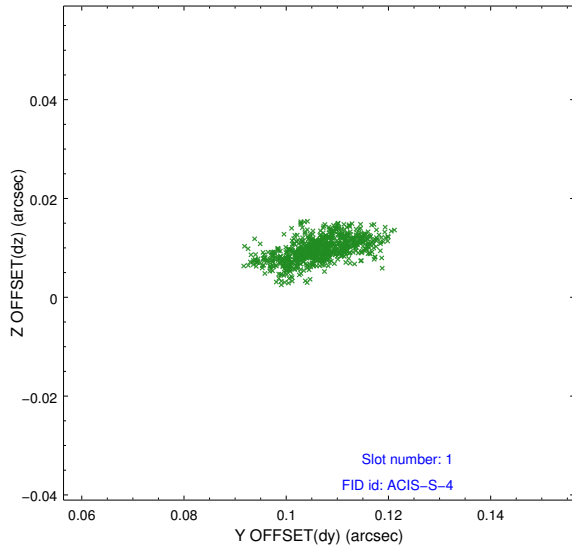


## 2.5 FID Slots

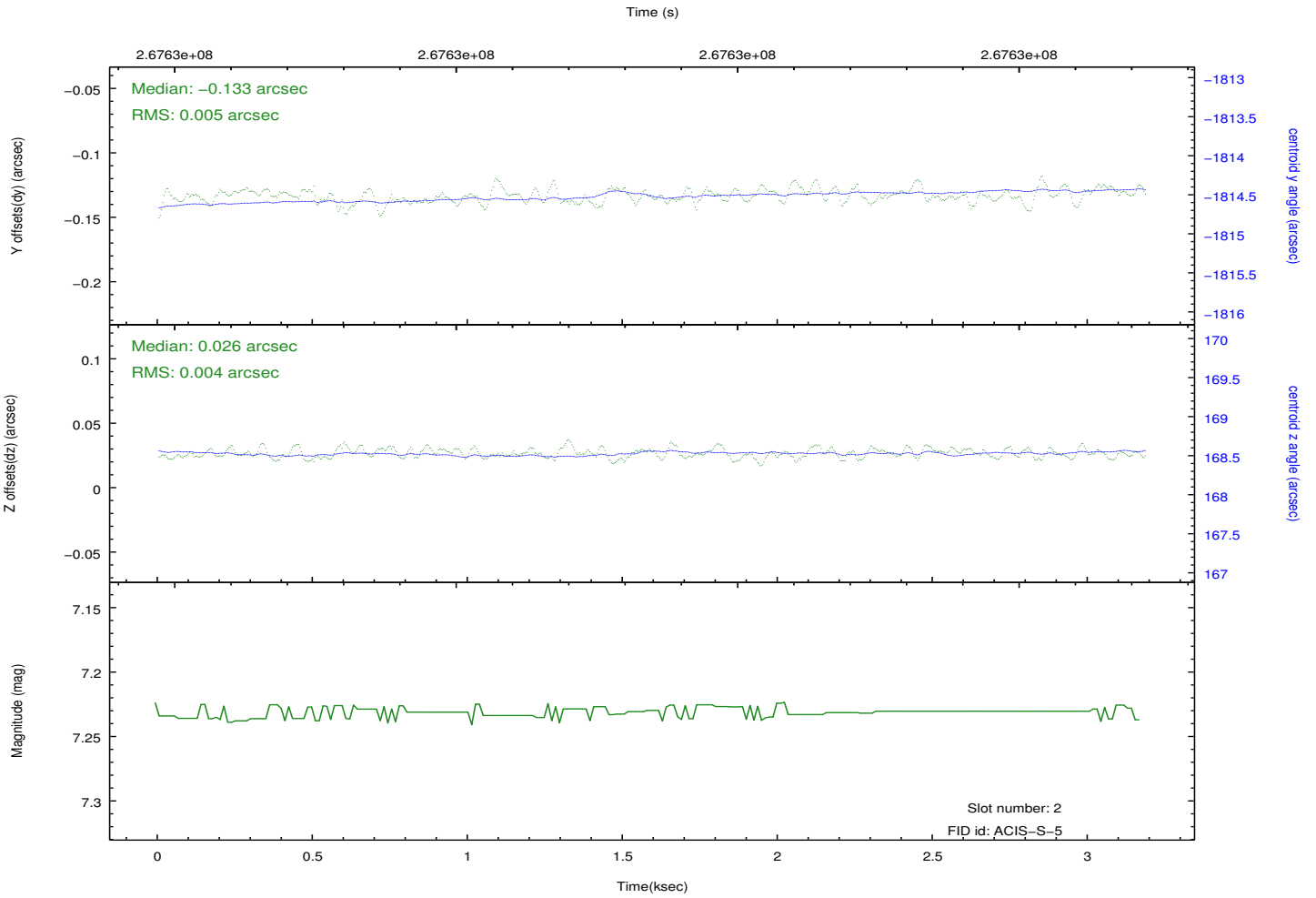
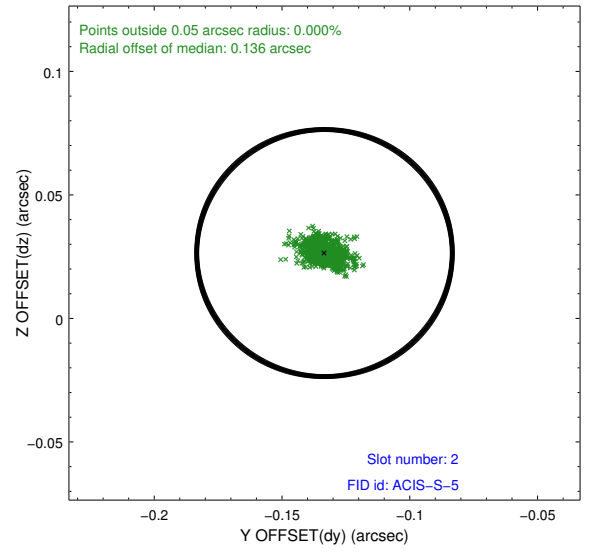
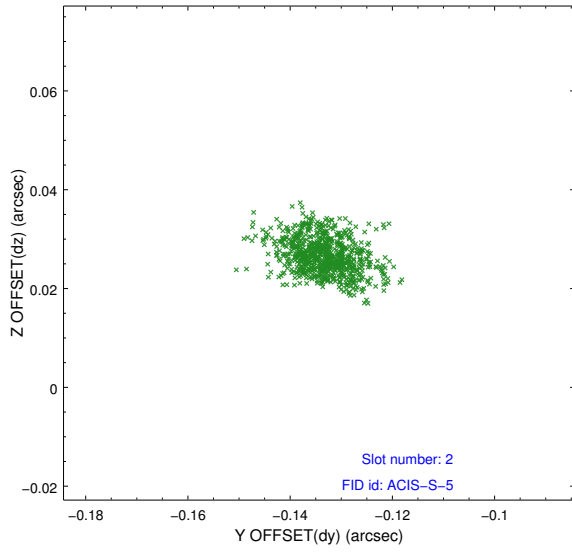
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.04.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.18080004

## A.2 Comments