

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 7873 - L2 Version 2  
Chandra X-Ray Center

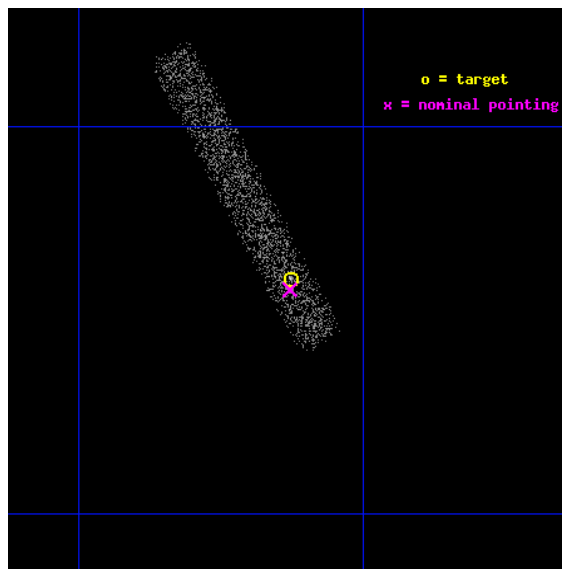
L2 Processing Date : Apr 25 2012

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# 1 Front

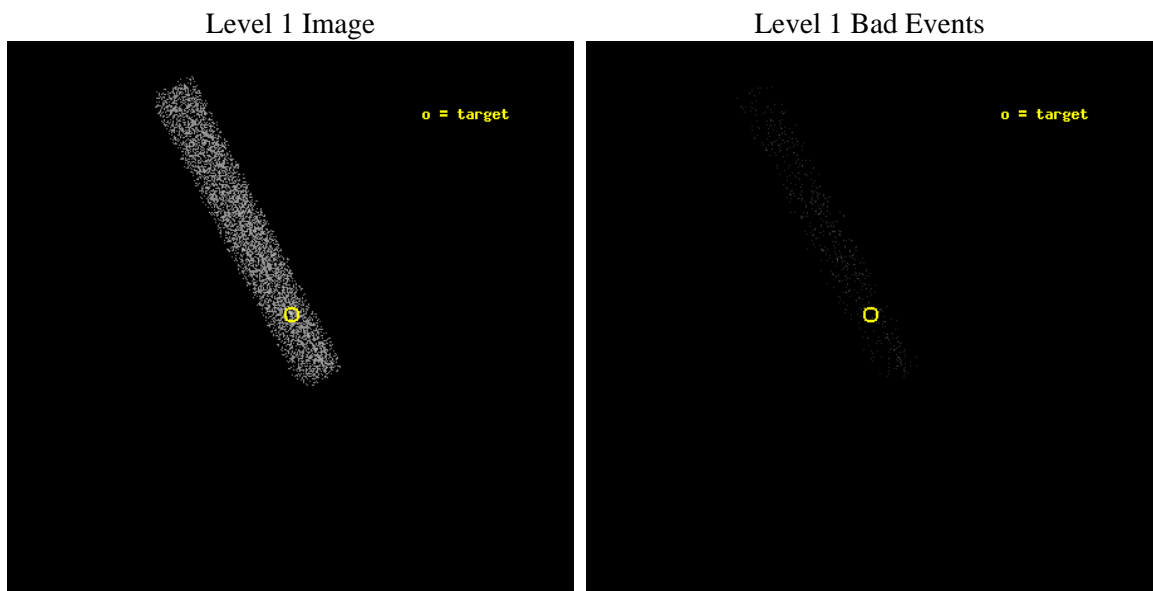
seq_num	701537	Sequence number
obs_id	7873	Observation id
title	Chandra Imaging of the Highest Redshift Relativistic Jets	Proposal
observer	Dr. C.C. Teddy Cheung	Principal investigator
object	J1421-0643	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	215.282083	Observer's specified target RA [deg]
dec_targ	-6.732306	Observer's specified target Dec [deg]
ra_nom	215.28253458249	Nominal RA [deg]
dec_nom	-6.737141941908	Nominal Dec [deg]
roll_nom	242.27664611639	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3684.7997803688	Sum of GTIs [s]
livetime	3341.9189011145	Livetime [s]
ontime7	3684.7997803688	Sum of GTIs [s]
l2events	3021	Number of level 2 events



## 2 OBI

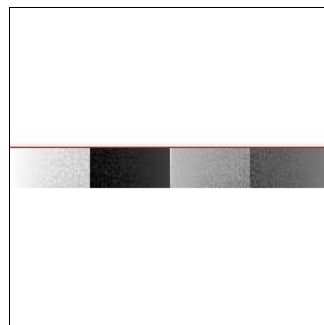
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3684.7997803688	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime7	3684.7997803688	Sum of GTIs [s]
date	2012-04-25T20:36:01	Date and time of file creation	l1events	7538	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	7538
rejected events	4403
rejected %	58%

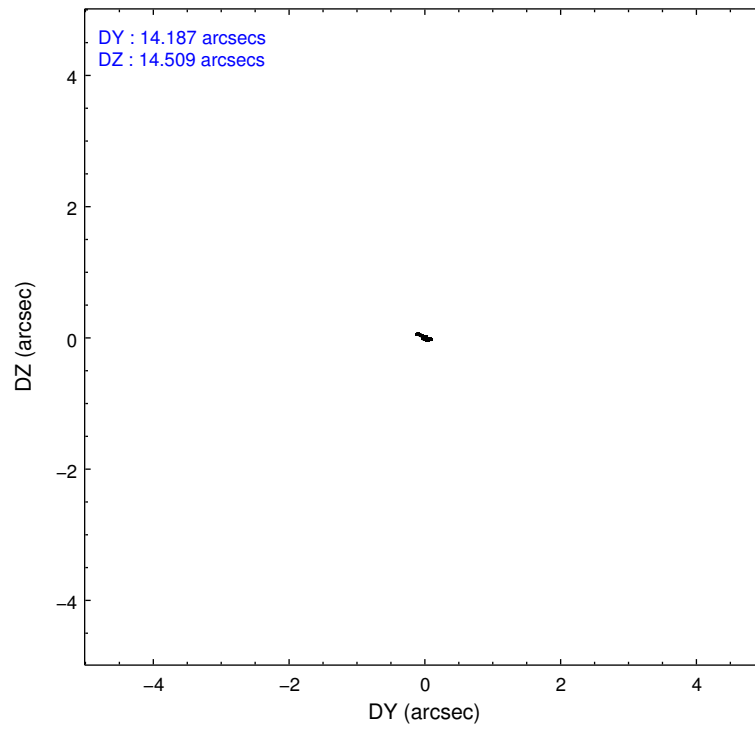
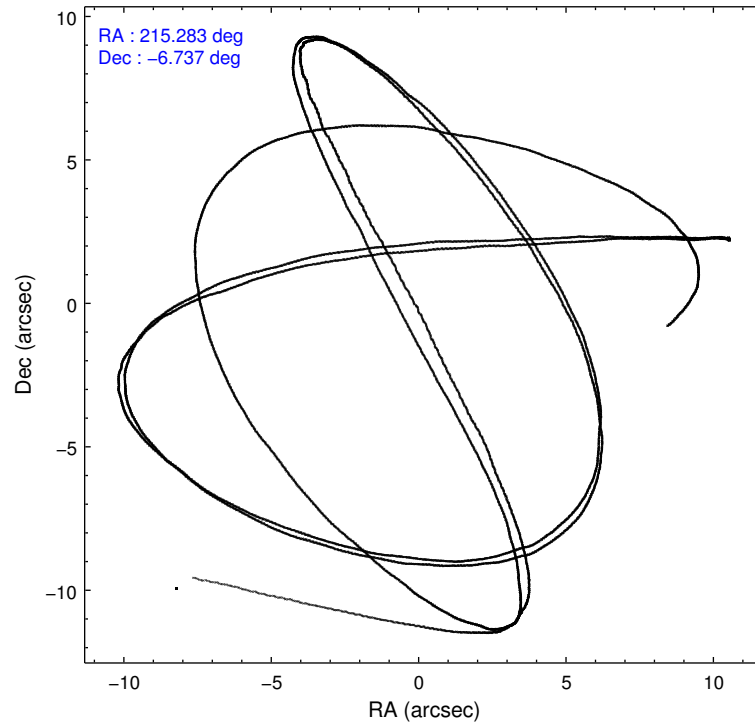
	<b>ccd 7</b>
grade 0 events	352
	4%
grade 1 events	11
	0%
grade 2 events	672
	8%
grade 3 events	494
	6%
grade 4 events	430
	5%
grade 5 events	705
	9%
grade 6 events	1629
	21%
grade 7 events	3245
	43%

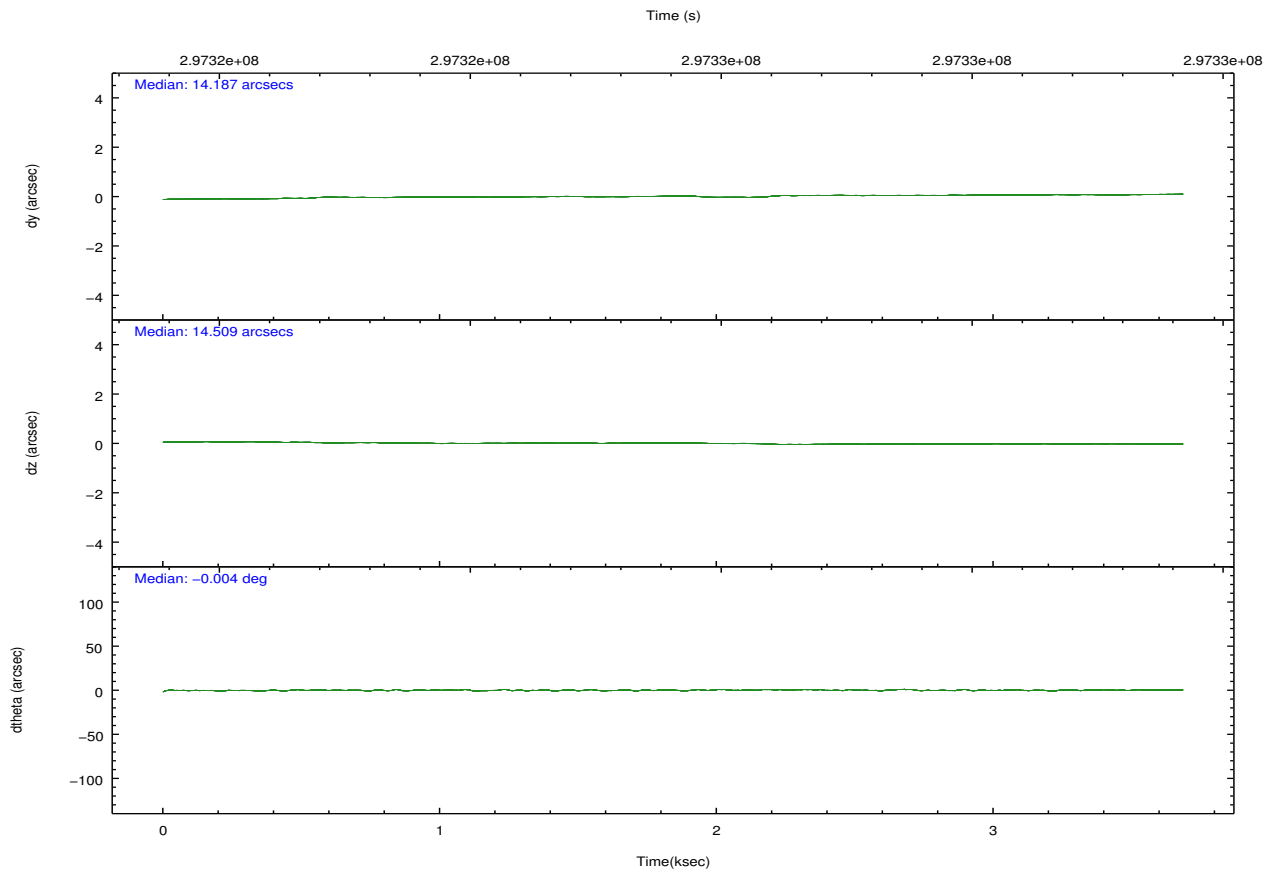
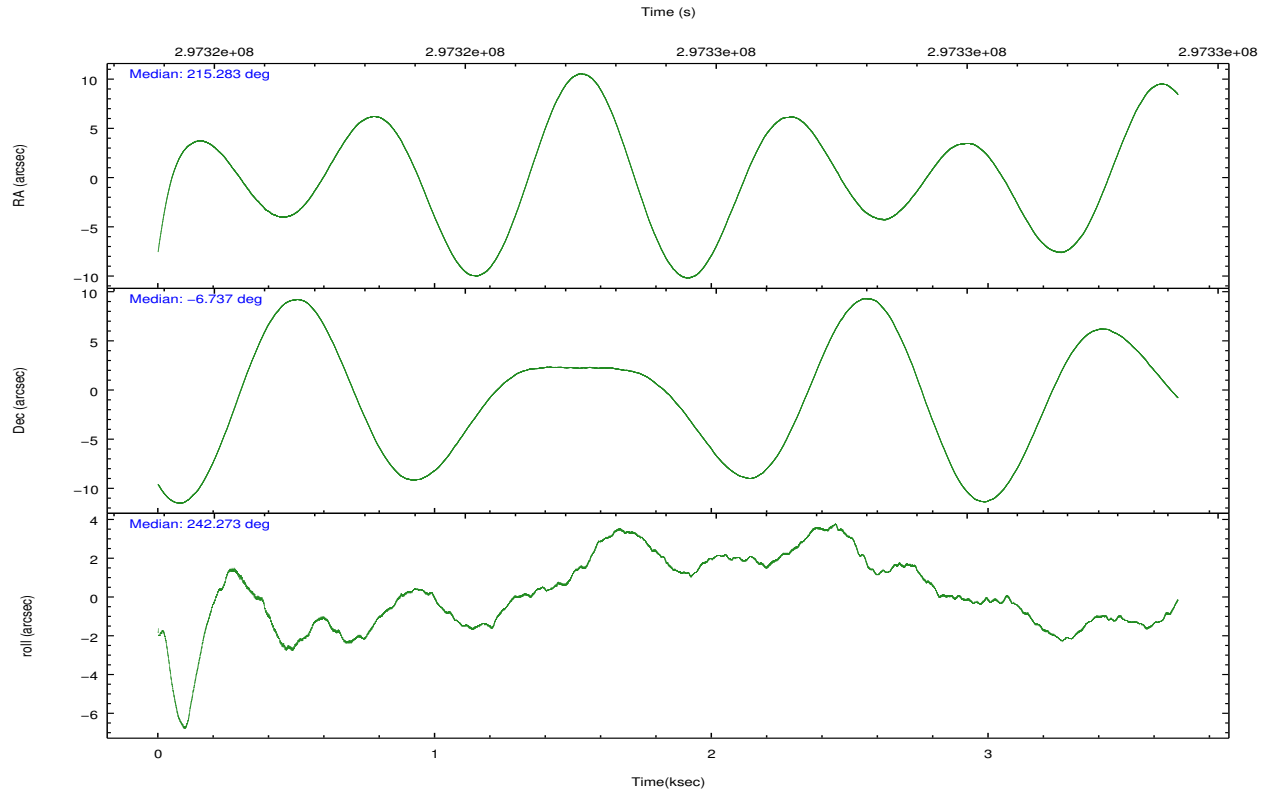


## 2.2 Compared Parameters

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	215.280949	215.282534582486	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	-6.709840	-6.737141941908042	Subarray start row	449	449
[deg] Pointing Roll	242.119803	242.2766461163916	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)	297324154.184000	297323269.87672			
Observation start date	2007-06-04T06:01:29	2007-06-04T05:47:49			
[s] Observation end time (MET)	297327654.184000	297328544.52698			
Observation end date	2007-06-04T06:59:49	2007-06-04T07:15:44			
Read mode	TIMED	TIMED			

## 2.3 Aspect



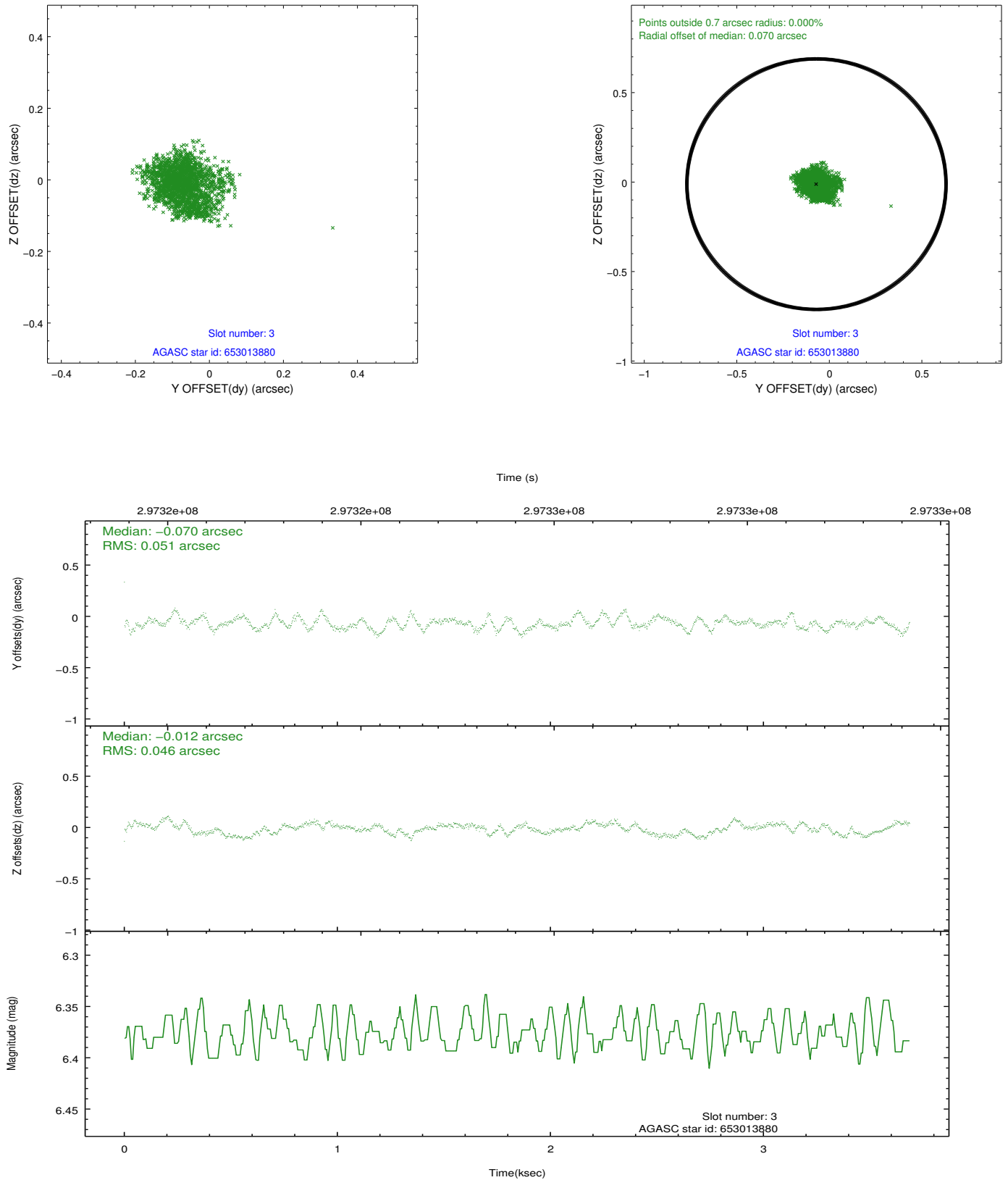


### Slot Statistics

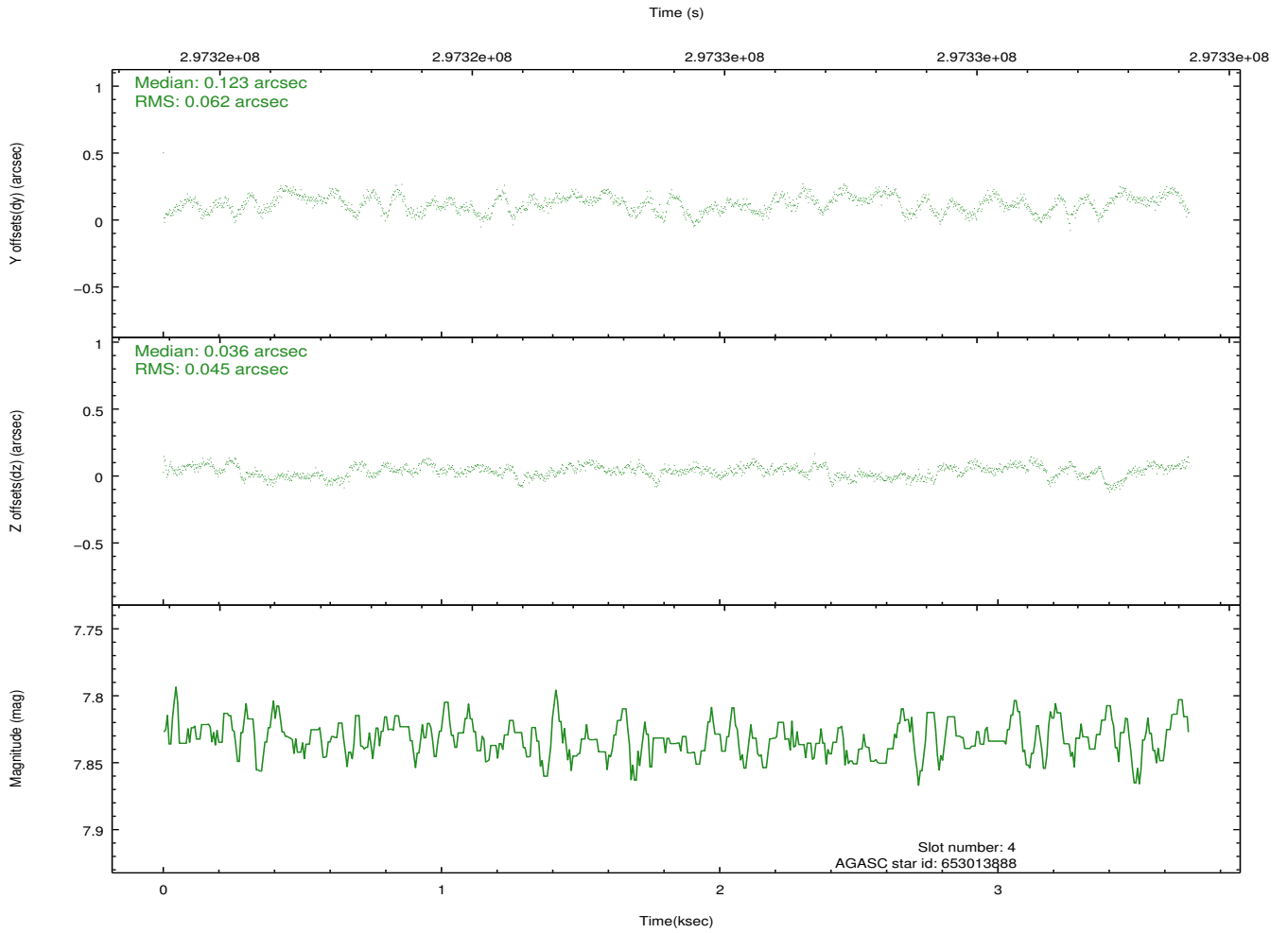
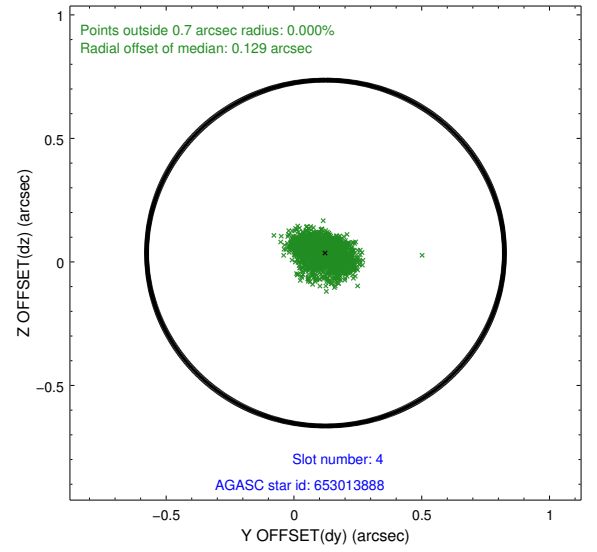
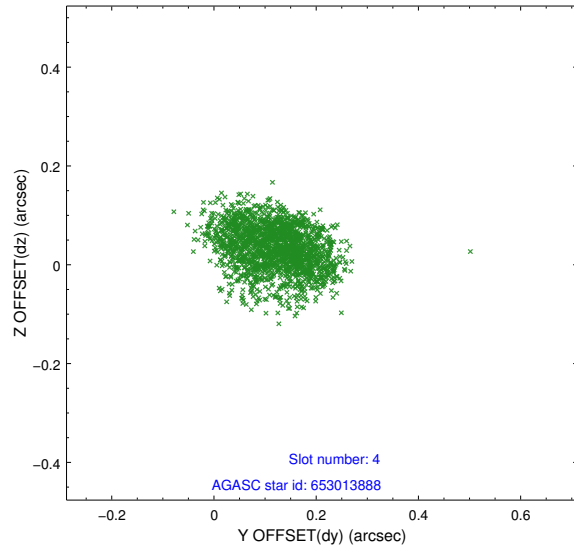
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	899	-0.078	-0.046	0.007	0.011	0.000000	0.000000	-767.21	-1735.93
1	FID	ACIS-S-4	7.19	899	0.212	0.050	0.006	0.010	0.000000	0.000000	2145.57	170.90
2	FID	ACIS-S-5	7.22	899	-0.165	0.005	0.006	0.010	0.000000	0.000000	-1817.96	166.44
3	GUIDE	653013880	6.38	1799	-0.070	-0.012	0.075	0.111	214.971669	-6.746165	634.07	-916.70
4	GUIDE	653013888	7.83	1799	0.123	0.036	0.084	0.127	214.671610	-7.013692	1987.67	-1413.02
5	GUIDE	653139552	10.21	1796	0.048	-0.024	0.177	0.272	215.072064	-6.202290	-1263.09	-1516.53
6	GUIDE	653141776	9.33	1796	0.081	-0.056	0.110	0.173	215.017653	-6.536026	-112.40	-1125.96
7	GUIDE	653141112	9.51	1795	-0.186	0.065	0.105	0.170	215.283682	-5.983146	-2316.27	-1215.28

## 2.4 Star Slots

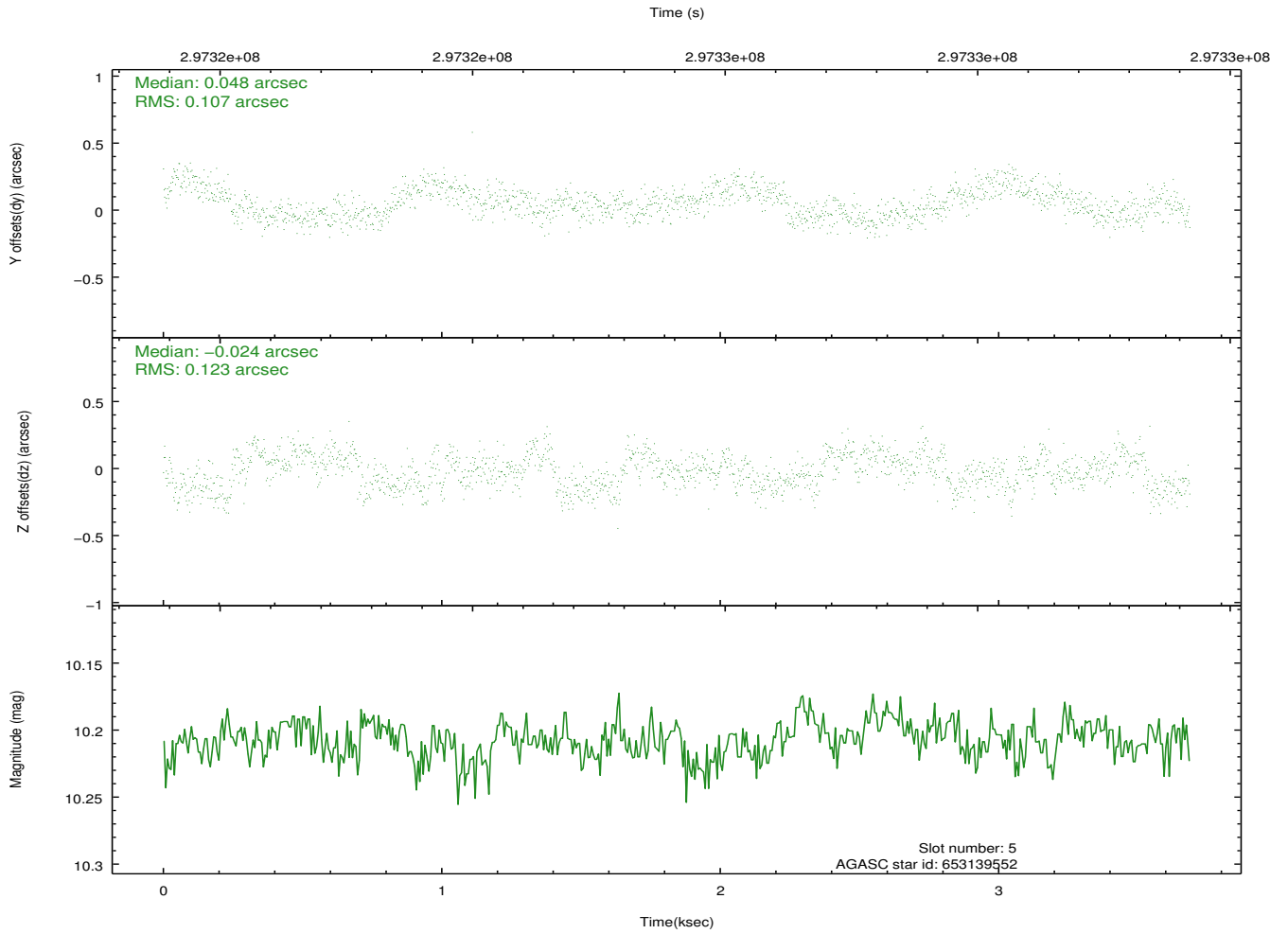
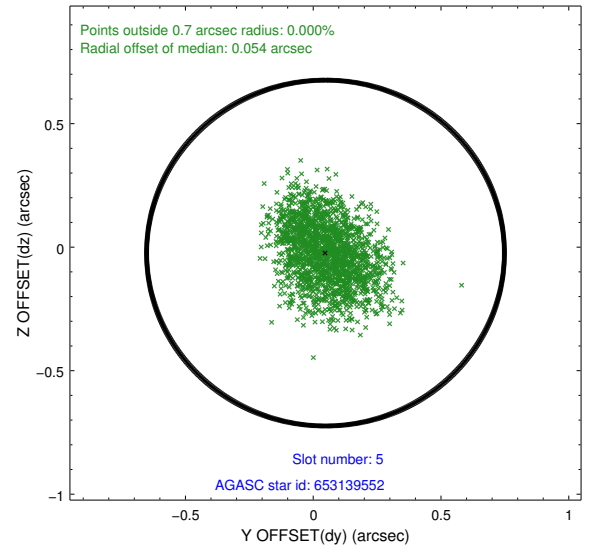
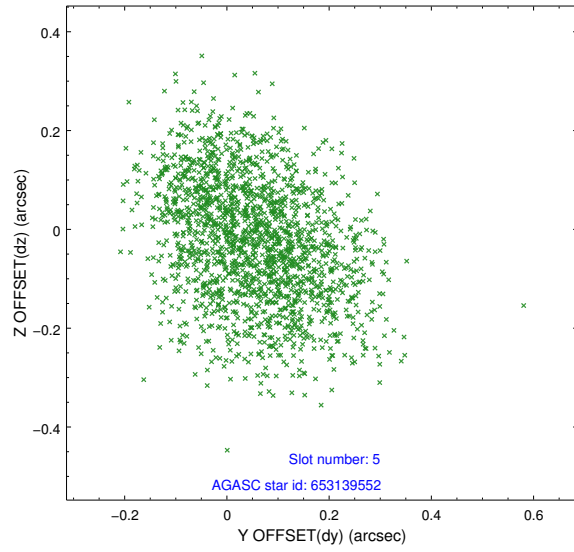
### 2.4.1 Slot 3



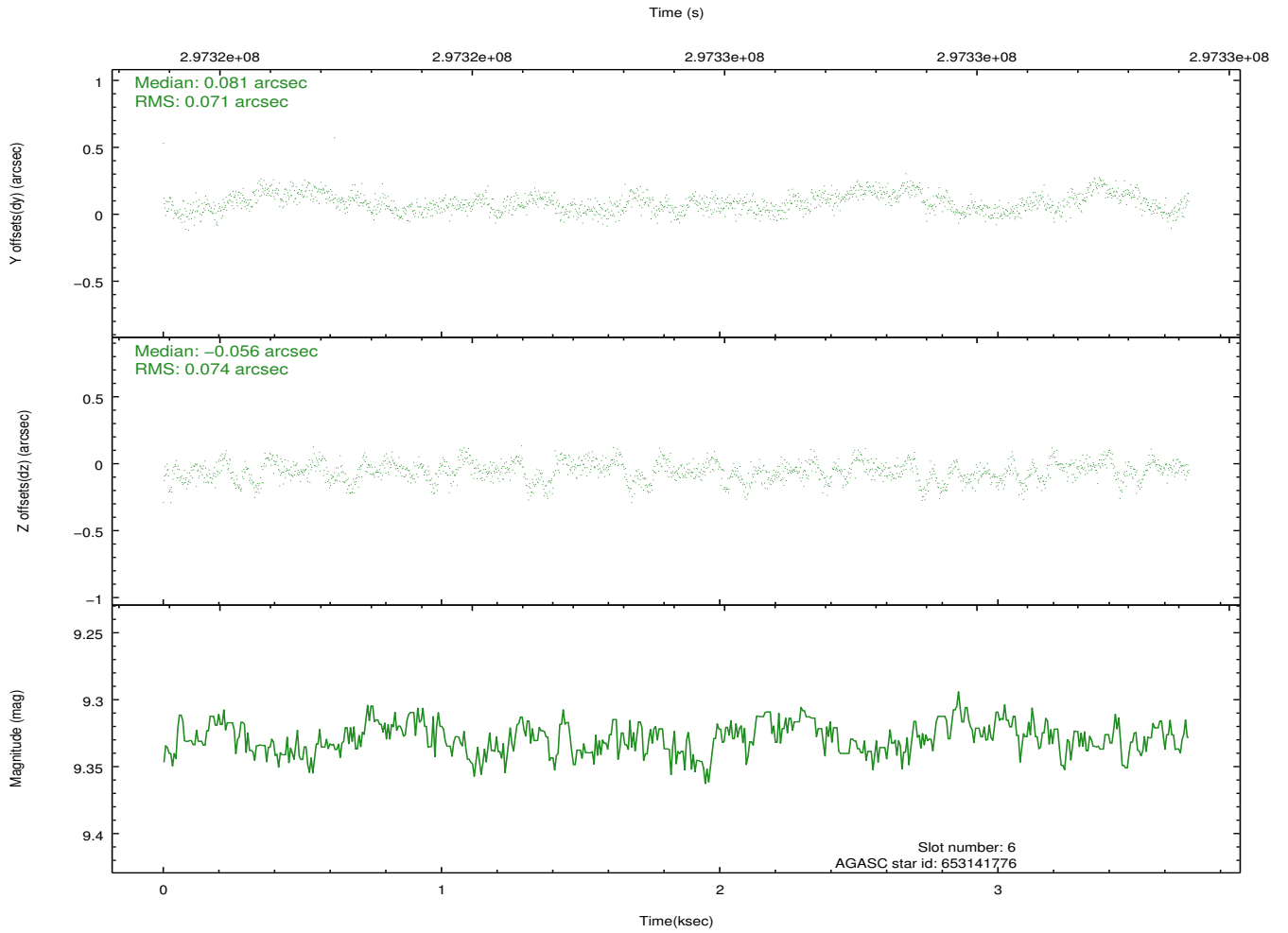
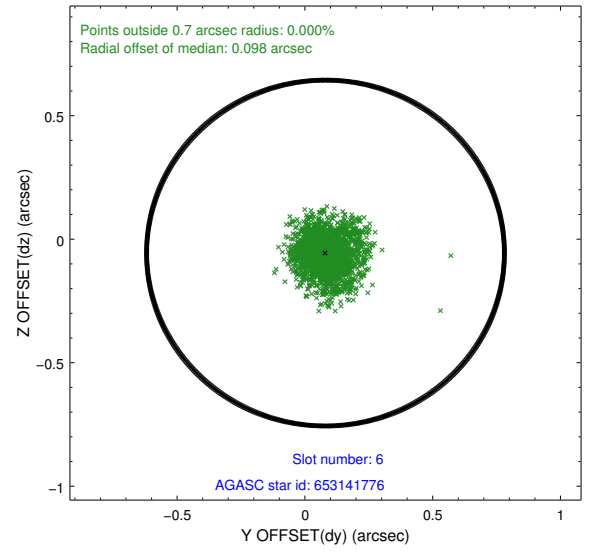
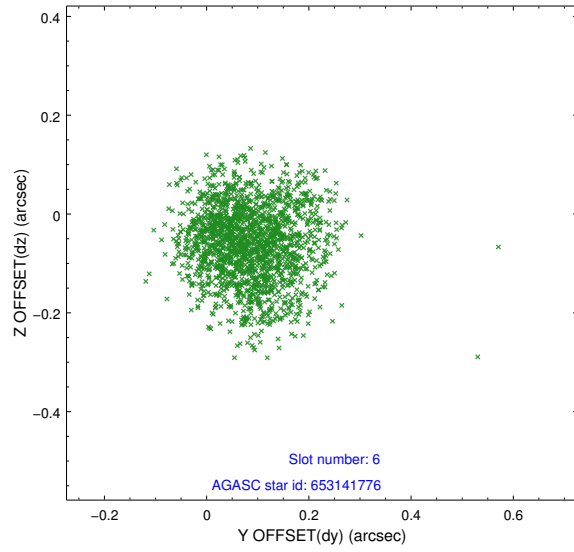
## 2.4.2 Slot 4



### 2.4.3 Slot 5

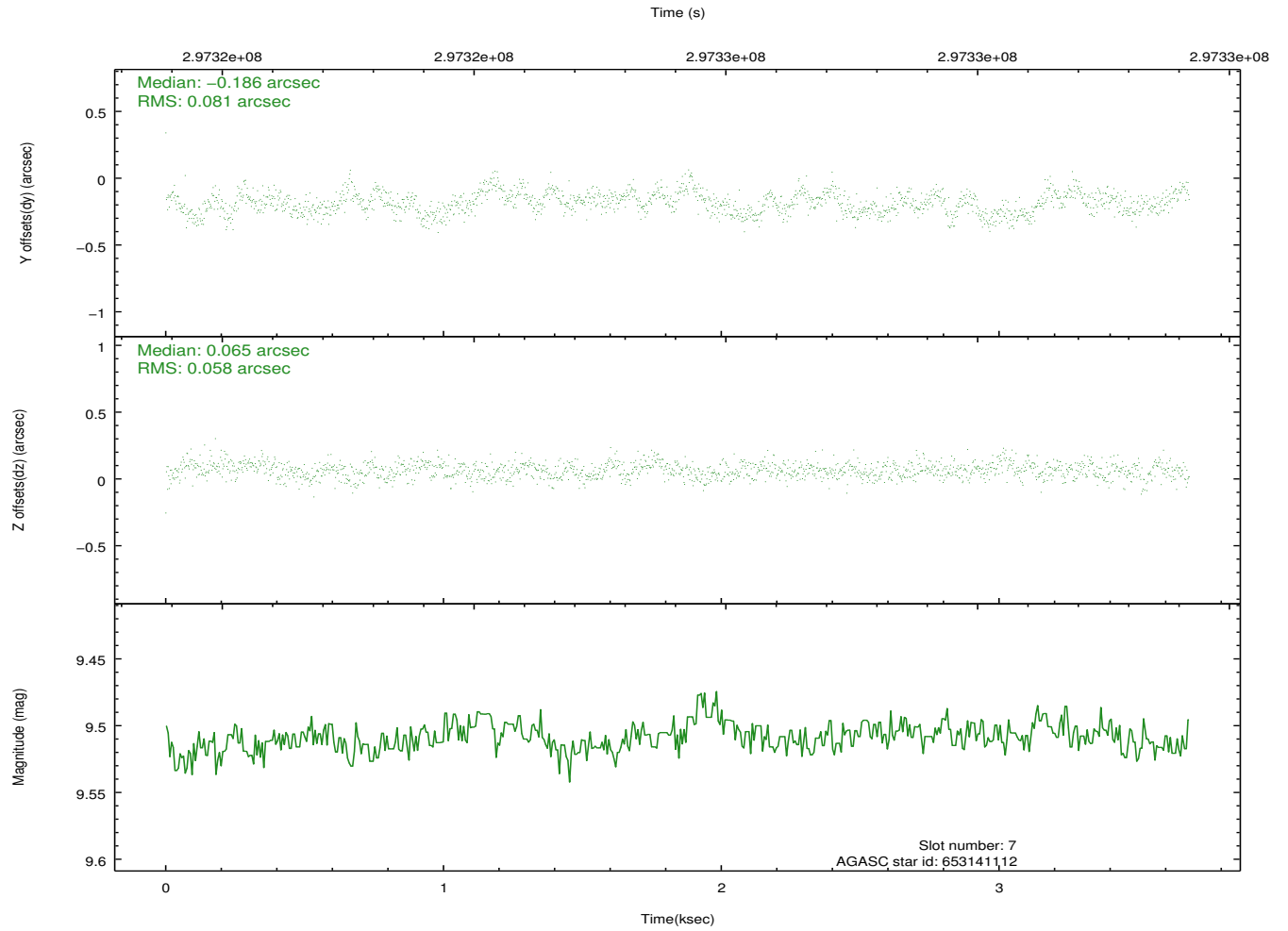
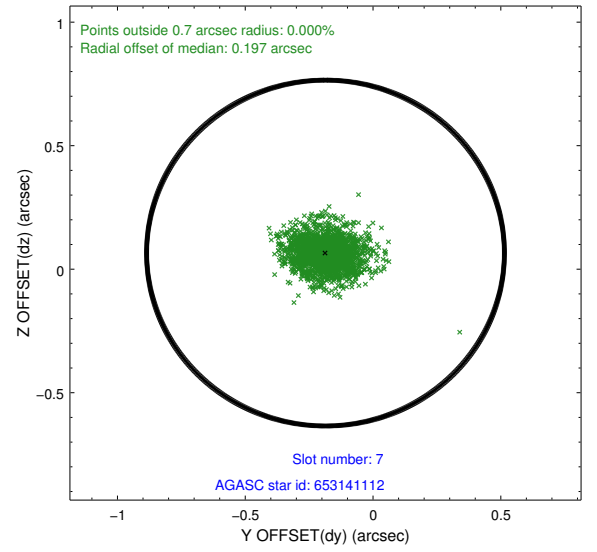
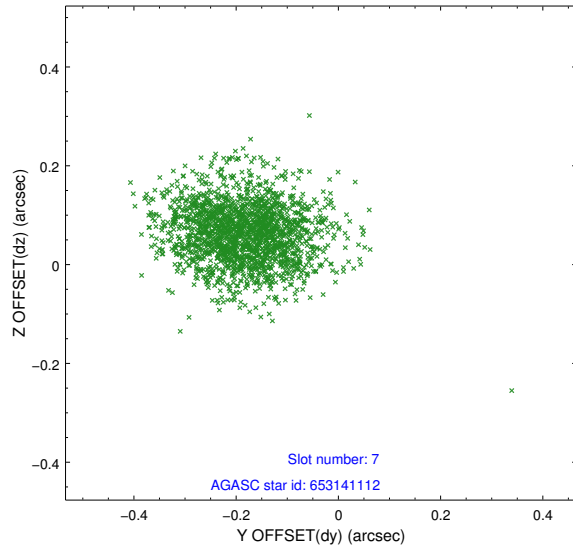


## 2.4.4 Slot 6



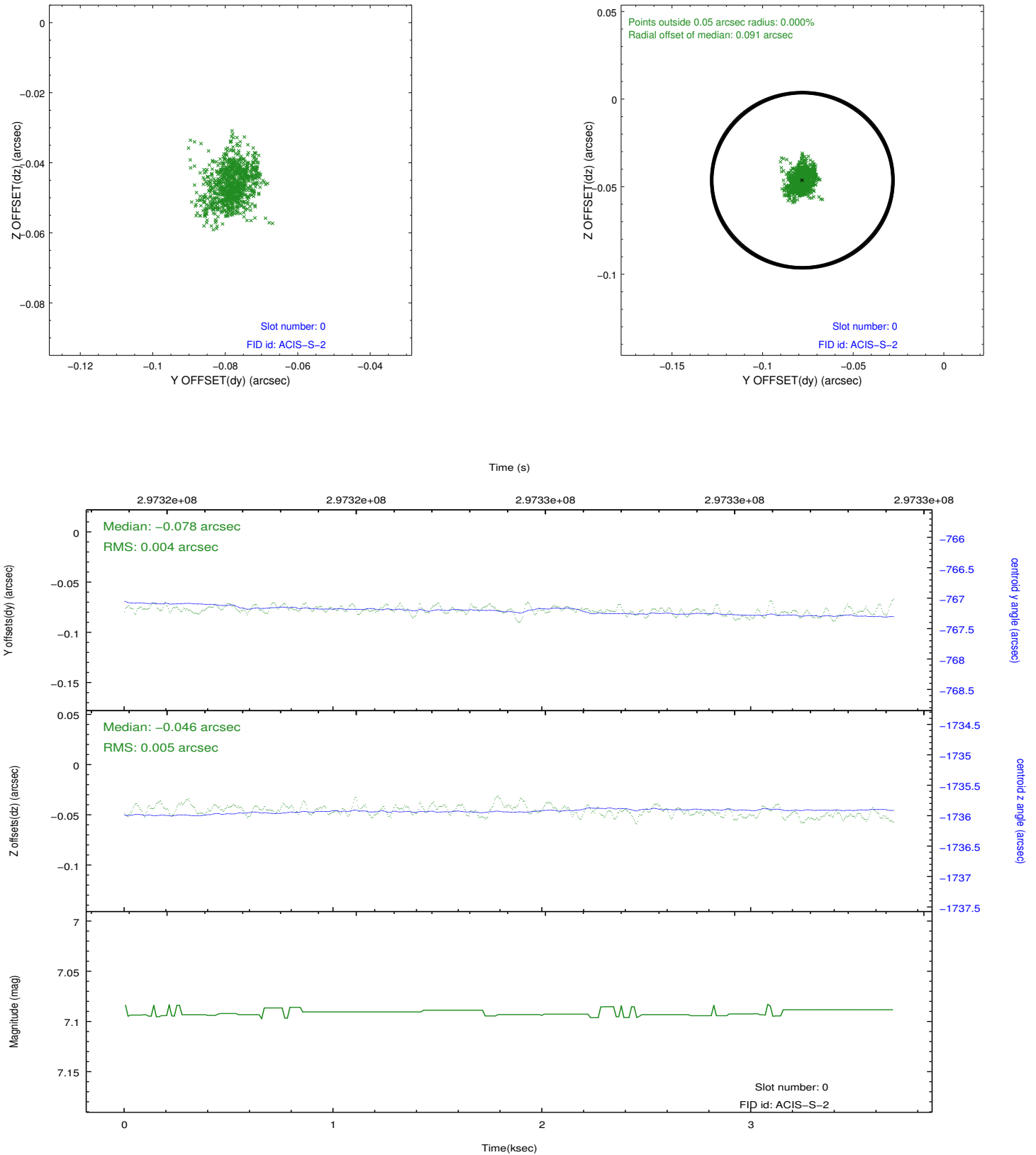


## 2.4.5 Slot 7

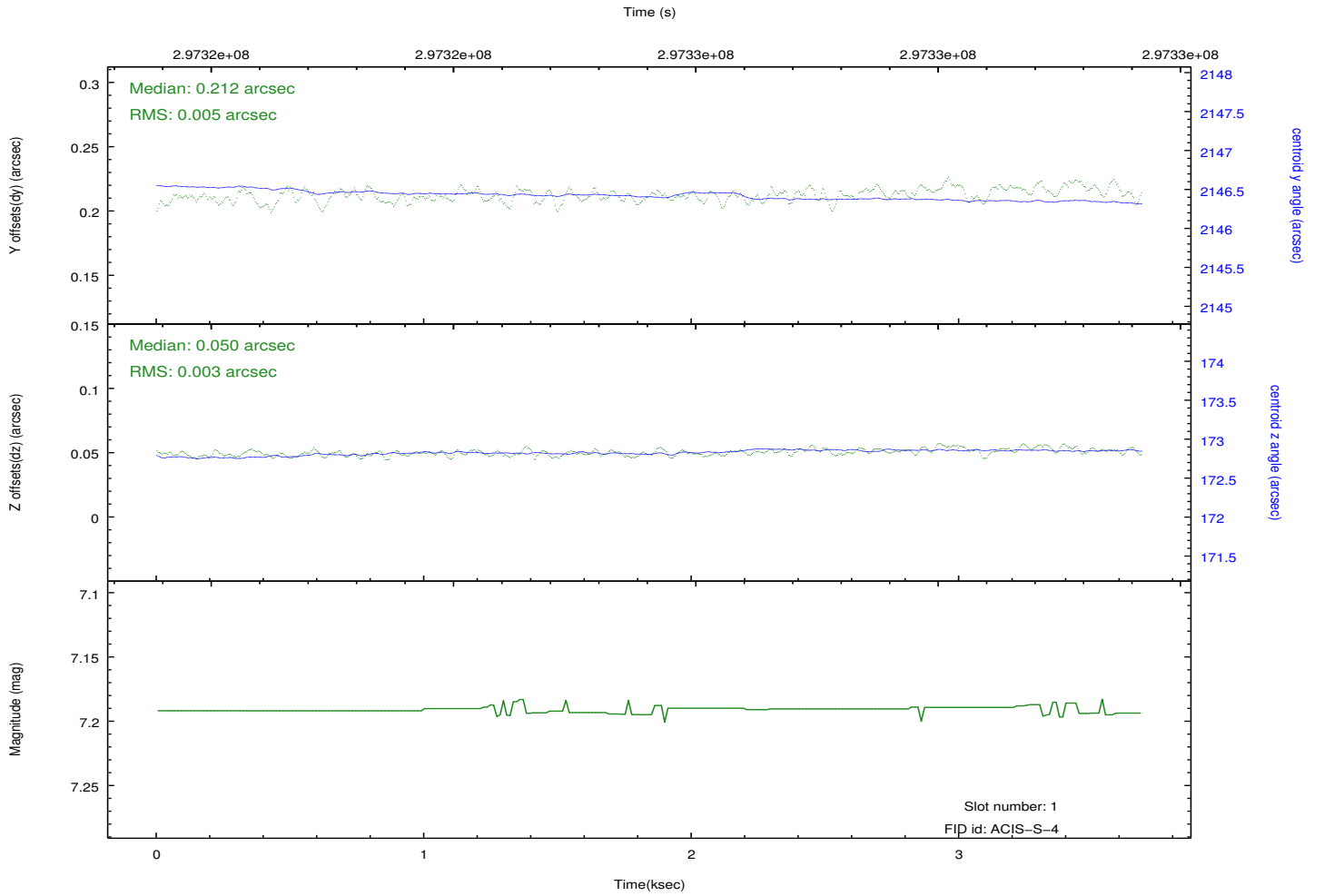
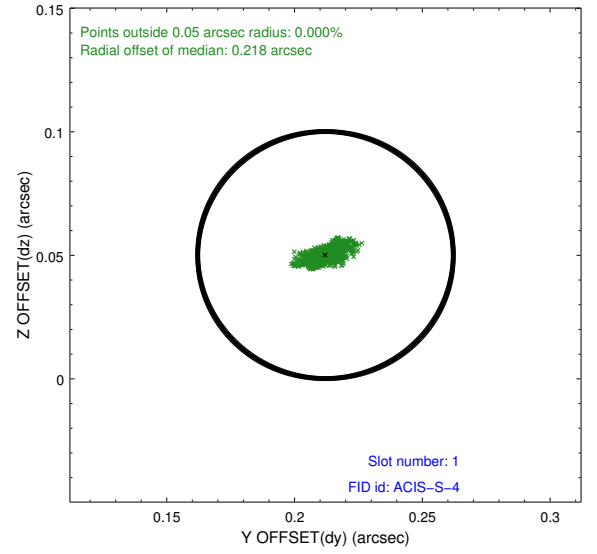
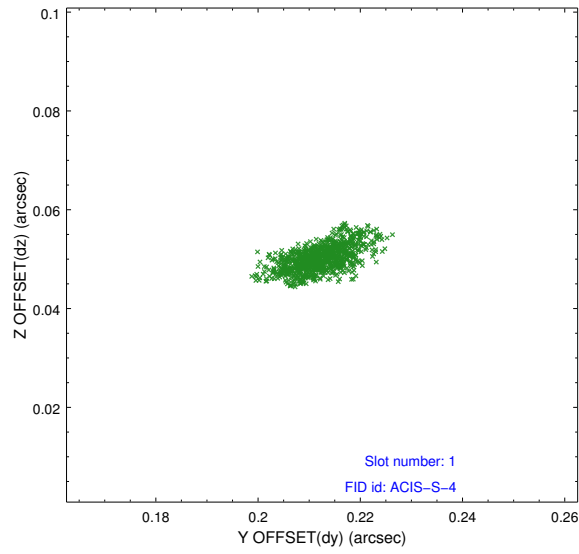


## 2.5 FID Slots

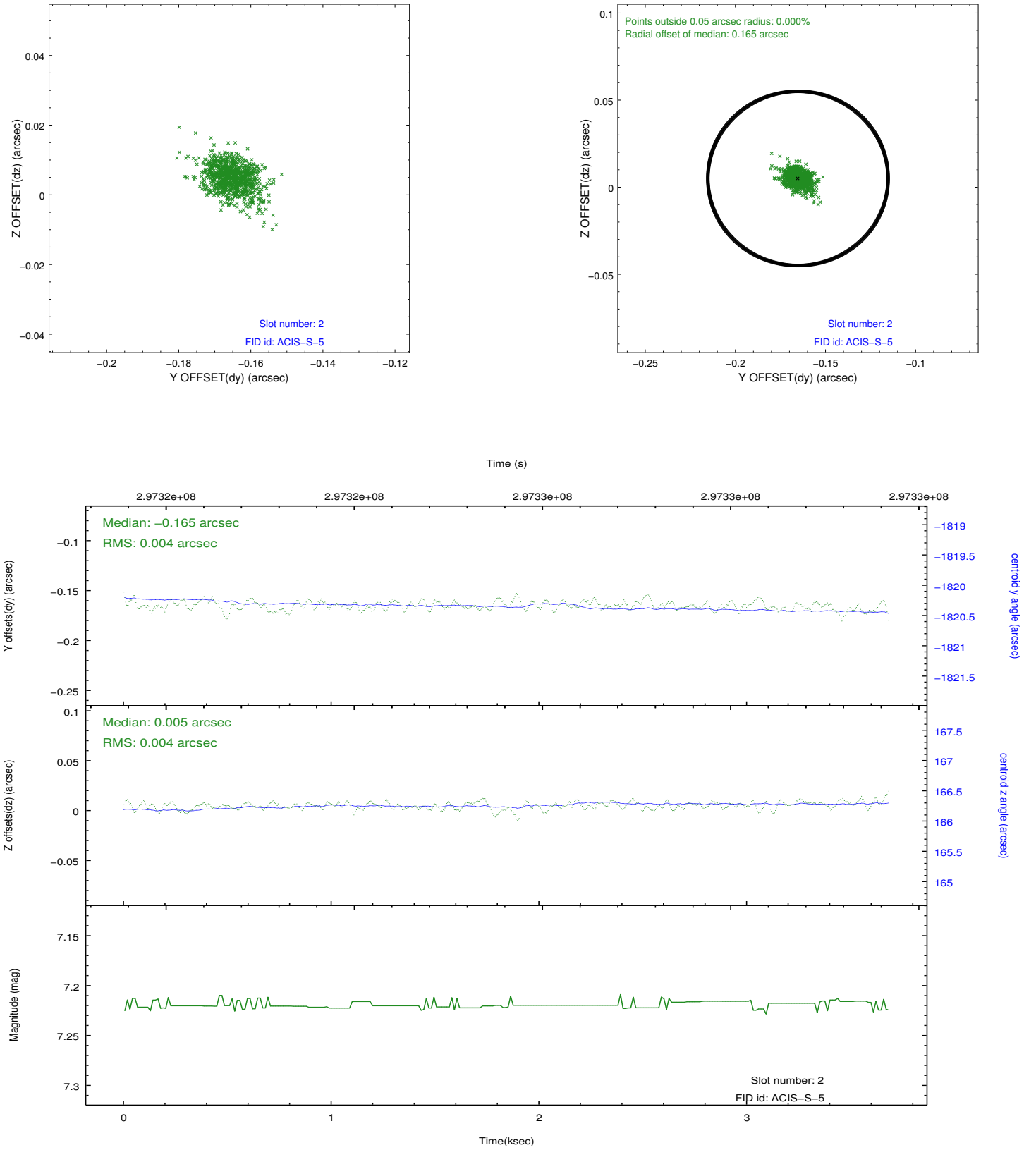
### 2.5.1 Slot 0



## 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)	2012.04.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.68479978

### A.2 Comments

Roll constraint met. Joint Proposal: NRA0