

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 11448 - L2 Version 2  
Chandra X-Ray Center

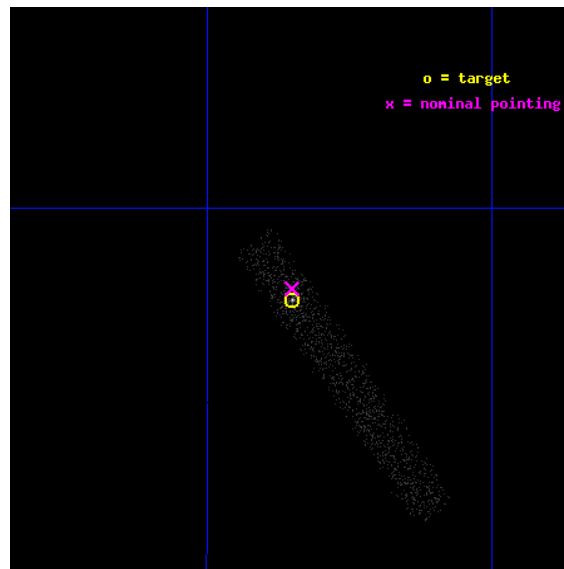
L2 Processing Date : Jun 19 2012

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# 1 Front

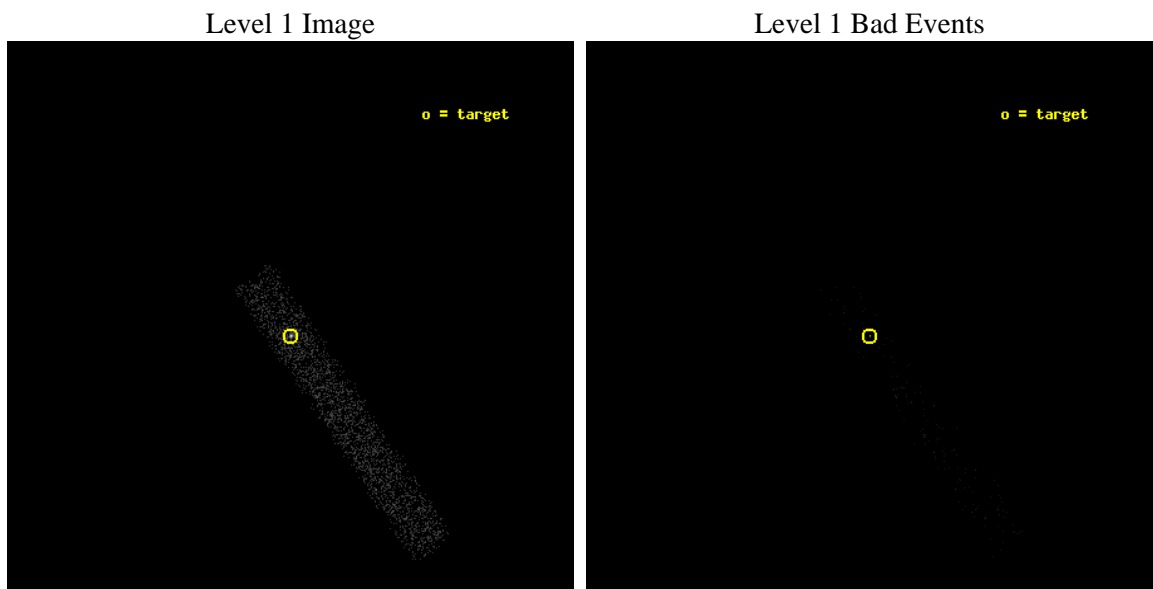
seq_num	702034	Sequence number
obs_id	11448	Observation id
title	X-ray Signatures of Accretion in AGNs with Intermediate-mass Black Holes	Proposal title
observer	Dr. Luis Ho	Principal investigator
object	SDSS J090320.97+045738.0	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	135.8375	Observer's specified target RA [deg]
dec_targ	4.960556	Observer's specified target Dec [deg]
ra_nom	135.8377587792	Nominal RA [deg]
dec_nom	4.9653505538477	Nominal Dec [deg]
roll_nom	56.160018907246	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2032.3998788595	Sum of GTIs [s]
livetime	1843.2794112639	Livetime [s]
ontime7	2032.3998788595	Sum of GTIs [s]
l2events	3100	Number of level 2 events



## 2 OBI

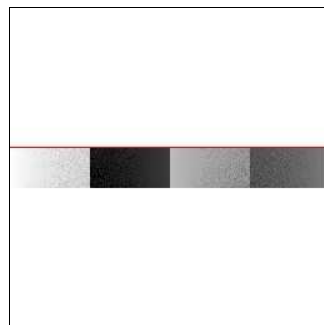
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2180.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2032.3998788595	Sum of GTIs [s]
caldsver	4.4.10	&#160	ontime7	2032.3998788595	Sum of GTIs [s]
date	2012-06-19T07:00:33	Date and time of file creation	l1events	4743	Number of level 1 events
revision	2	Processing version of data			

### 2.1.4 Events

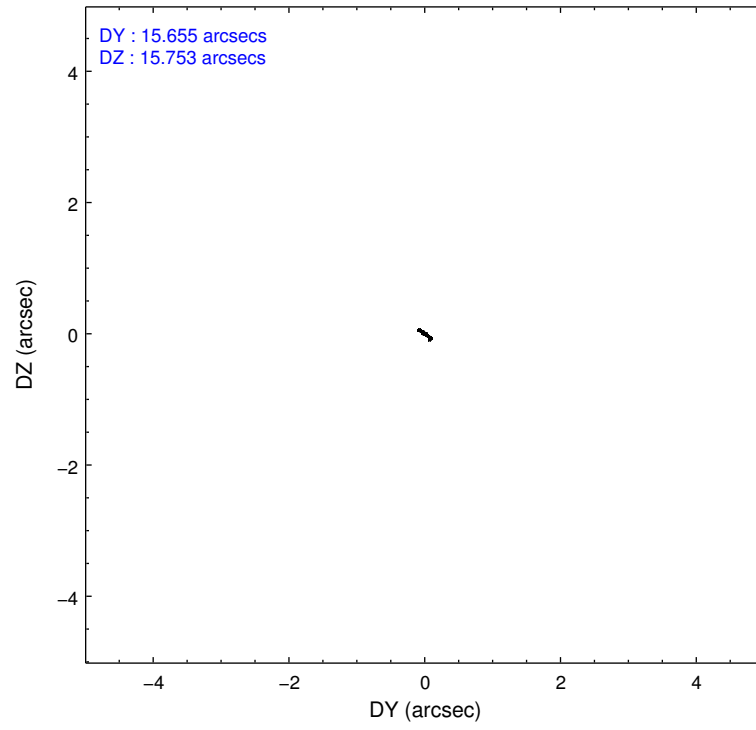
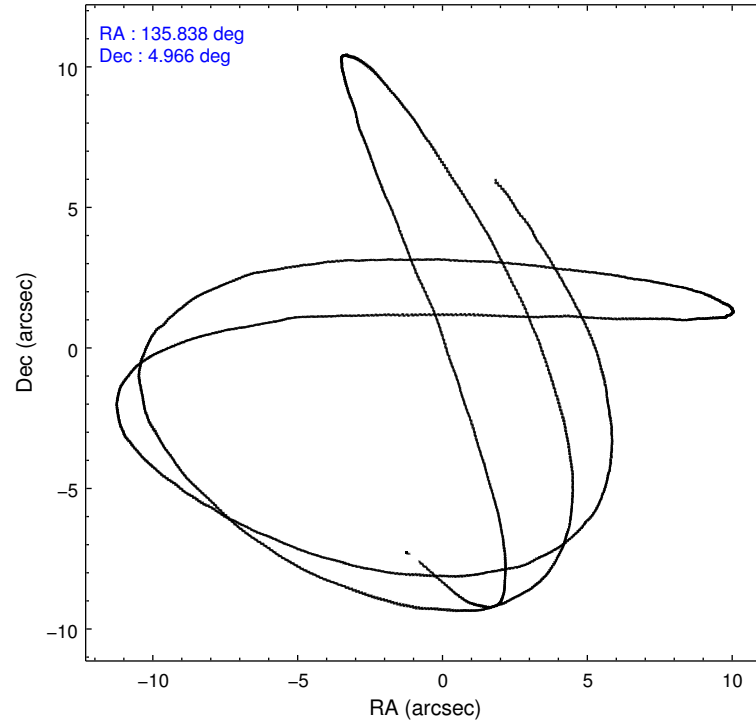
	<b>ccd 7</b>
level 1 events	4743
rejected events	1574
rejected %	33%

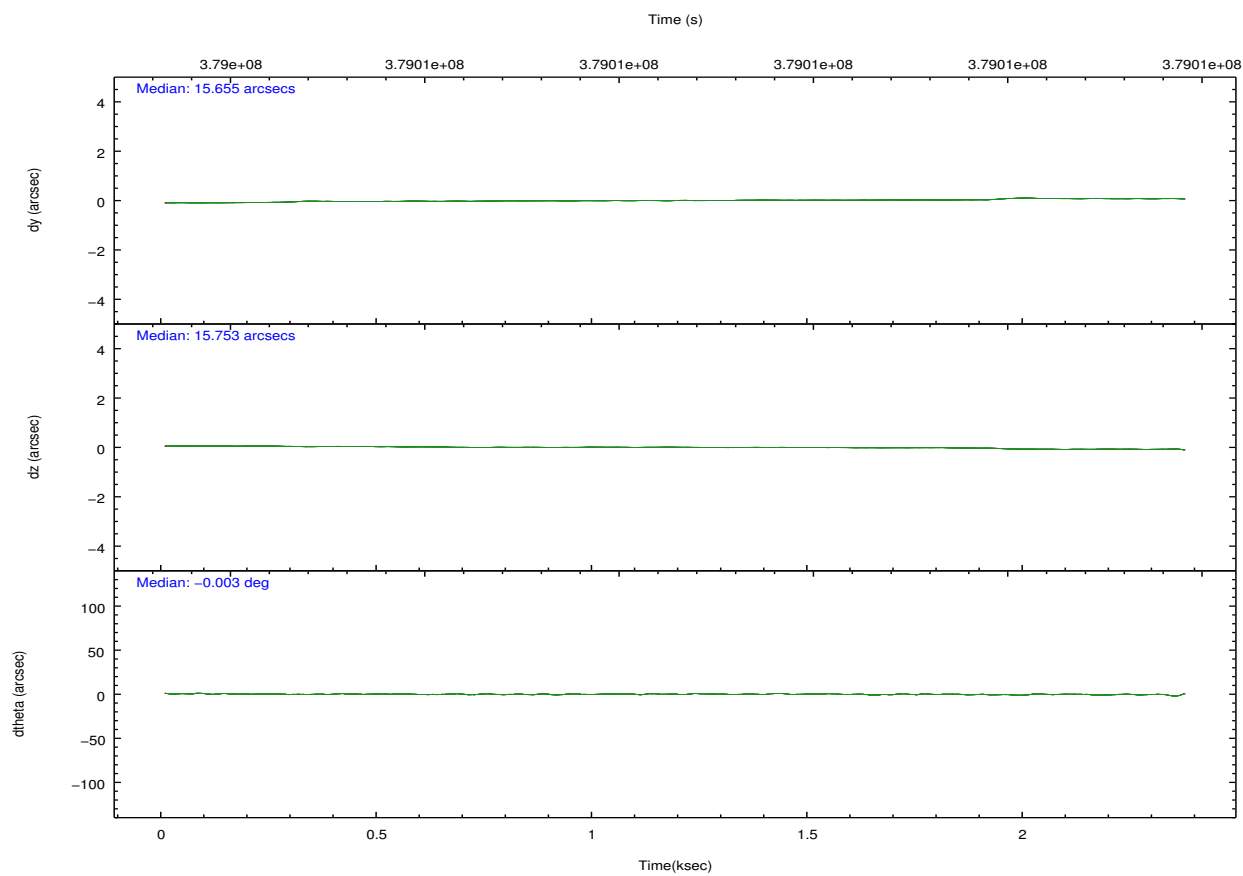
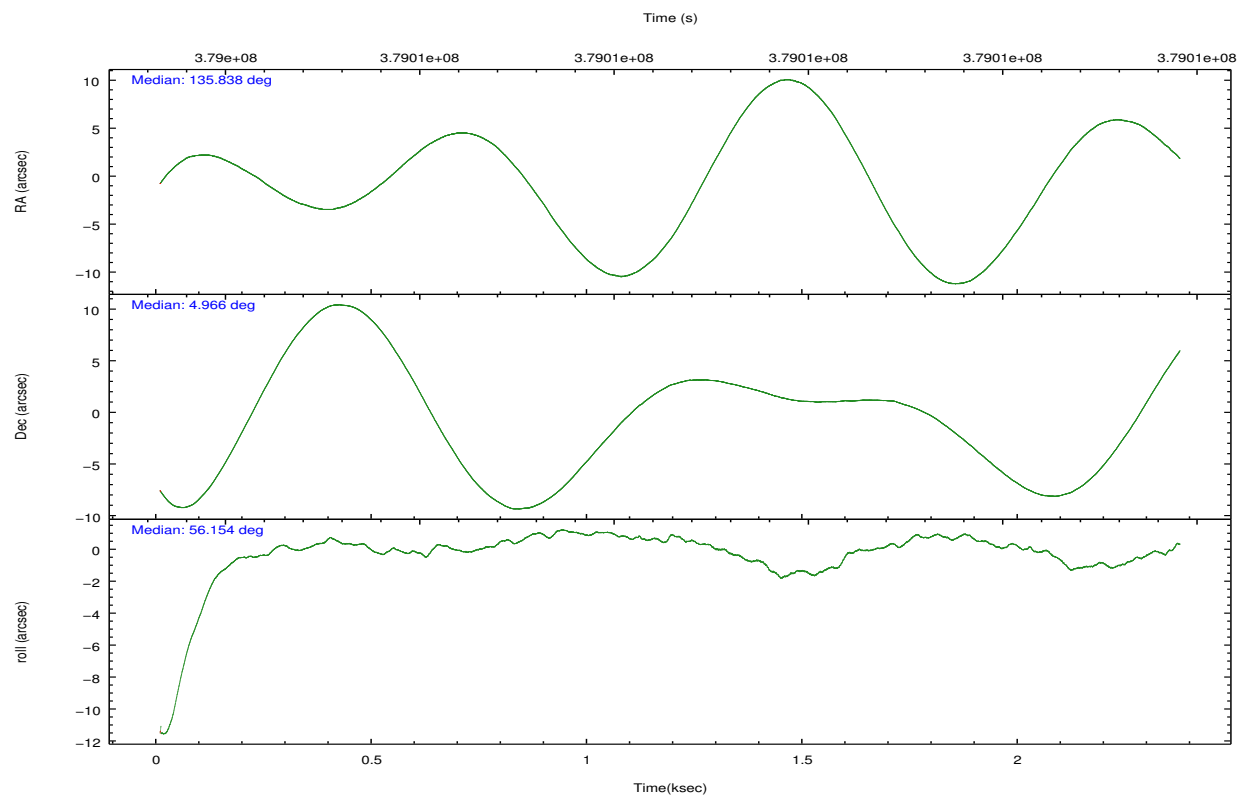
	<b>ccd 7</b>
grade 0 events	732
	15%
grade 1 events	21
	0%
grade 2 events	741
	15%
grade 3 events	420
	8%
grade 4 events	368
	7%
grade 5 events	366
	7%
grade 6 events	909
	19%
grade 7 events	1186
	25%

## 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	135.836218	135.8377587792013	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	4.938092	4.96535055384775	Subarray start row	449	449
[deg] Pointing Roll	56.003547	56.16001890724579	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)	379005159.184000	379004581.17755			
Observation start date	2010-01-04T15:11:33	2010-01-04T15:03:01			
[s] Observation end time (MET)	379007339.184000	379008285.52773			
Observation end date	2010-01-04T15:47:53	2010-01-04T16:04:45			
Read mode	TIMED	TIMED			

## 2.3 Aspect





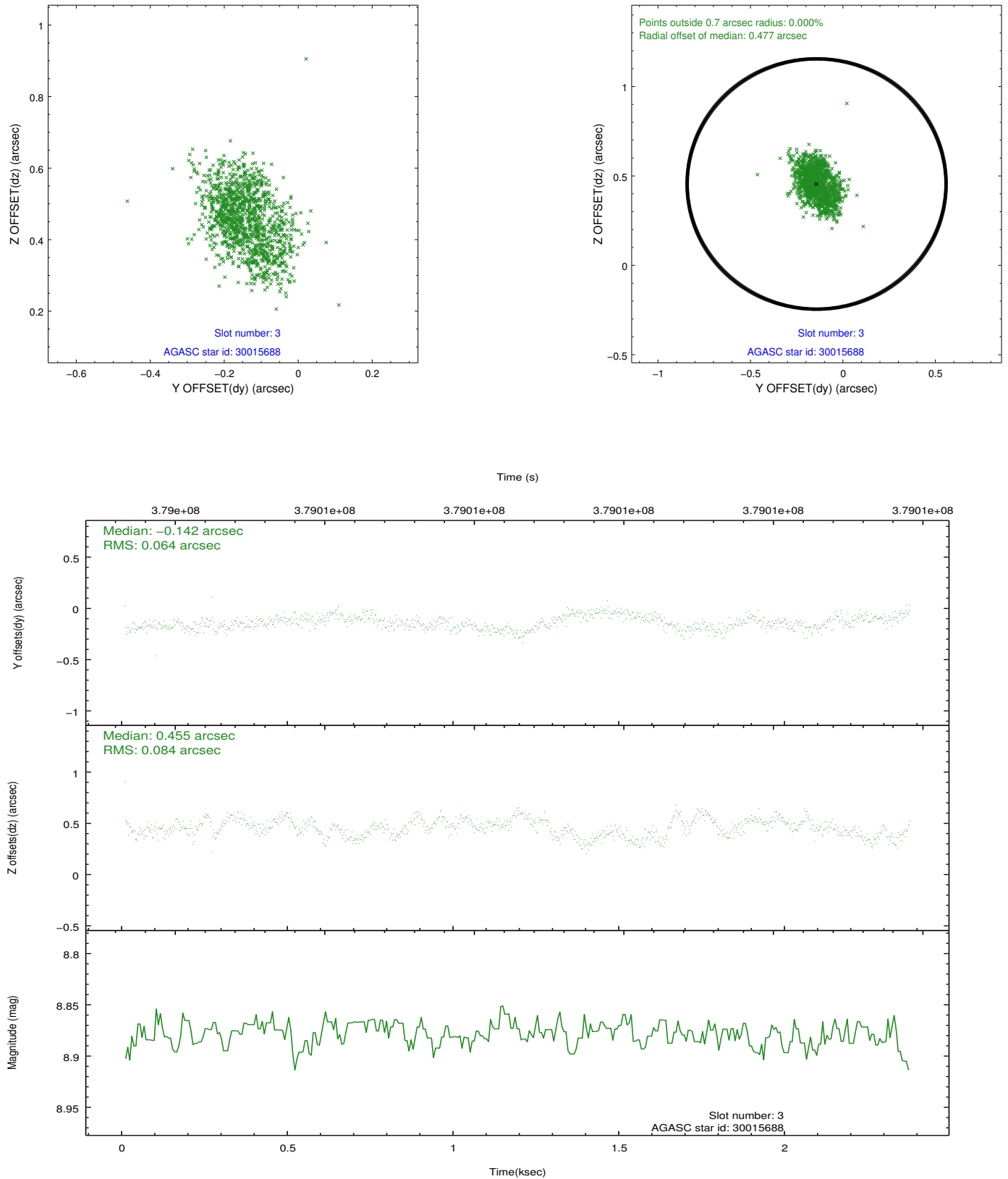
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.96	578	-0.125	-0.083	0.005	0.010	0.000000	0.000000	-768.80	-1737.22
1	FID	ACIS-S-4	7.04	578	0.145	0.061	0.006	0.010	0.000000	0.000000	2143.52	168.52
2	FID	ACIS-S-6	7.19	578	-0.048	0.029	0.007	0.012	0.000000	0.000000	396.81	809.03
3	GUIDE	30015688	8.88	1156	-0.142	0.455	0.112	0.176	136.470981	4.742250	690.08	-2280.71
4	GUIDE	30020672	9.07	1154	0.174	0.150	0.125	0.186	135.913424	4.342296	-1622.12	-1430.63
5	GUIDE	30024544	8.35	1156	0.143	-0.340	0.110	0.171	135.282482	4.975809	-998.38	1721.65
6	GUIDE	30422288	9.48	1147	-0.188	-0.199	0.117	0.182	135.736218	5.526460	1554.81	1483.40
7	GUIDE	30422312	9.01	1154	0.004	-0.057	0.104	0.168	135.834764	5.400486	1378.73	936.51

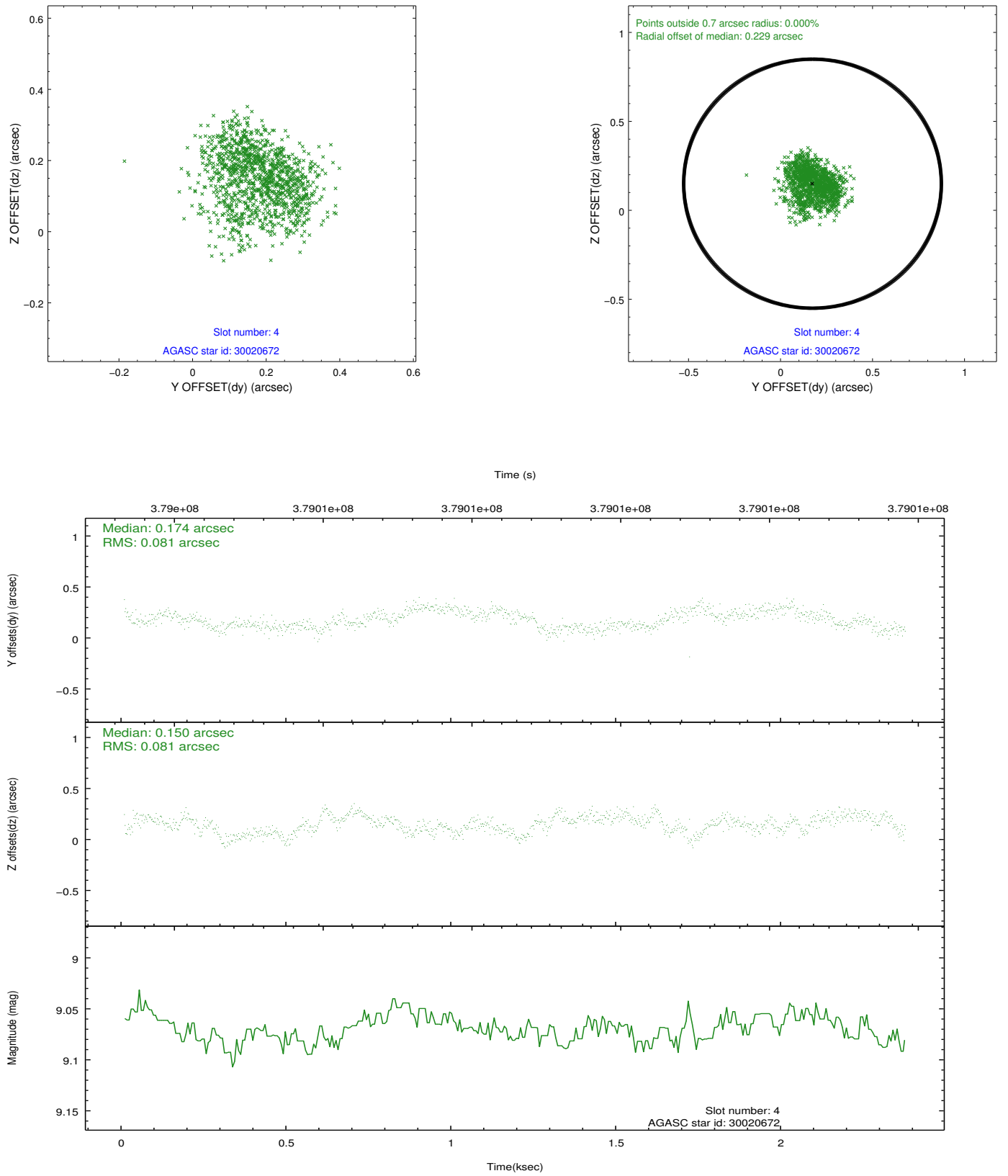


## 2.4 Star Slots

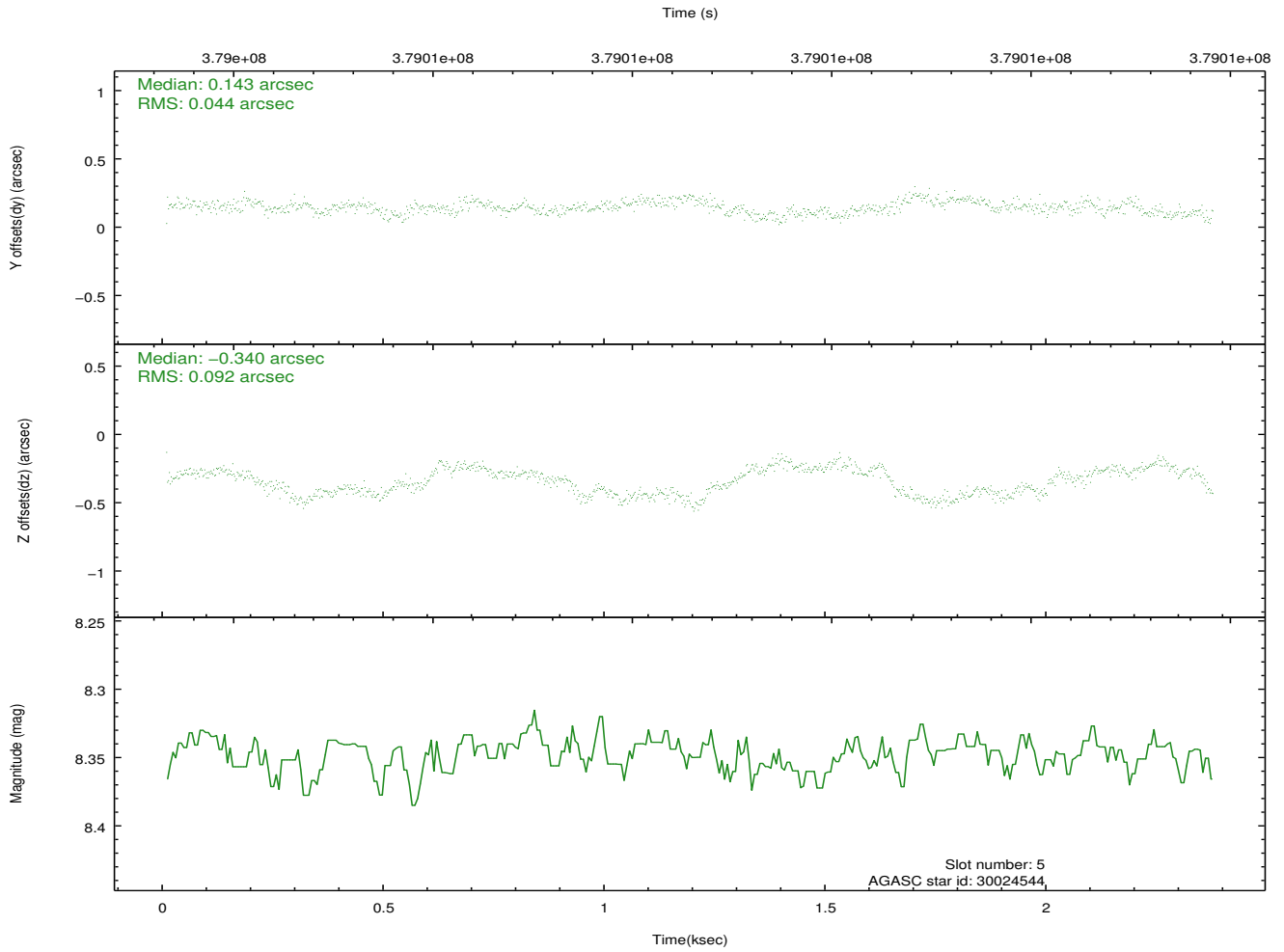
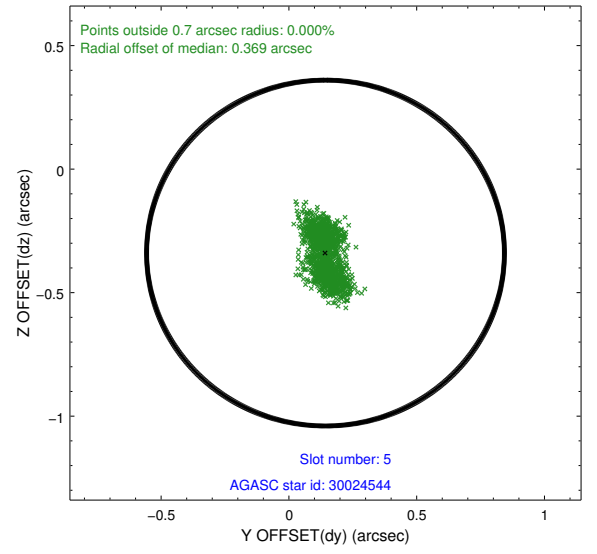
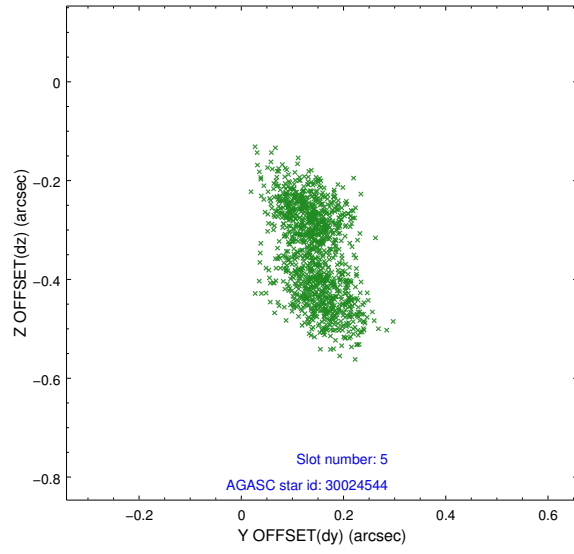
### 2.4.1 Slot 3



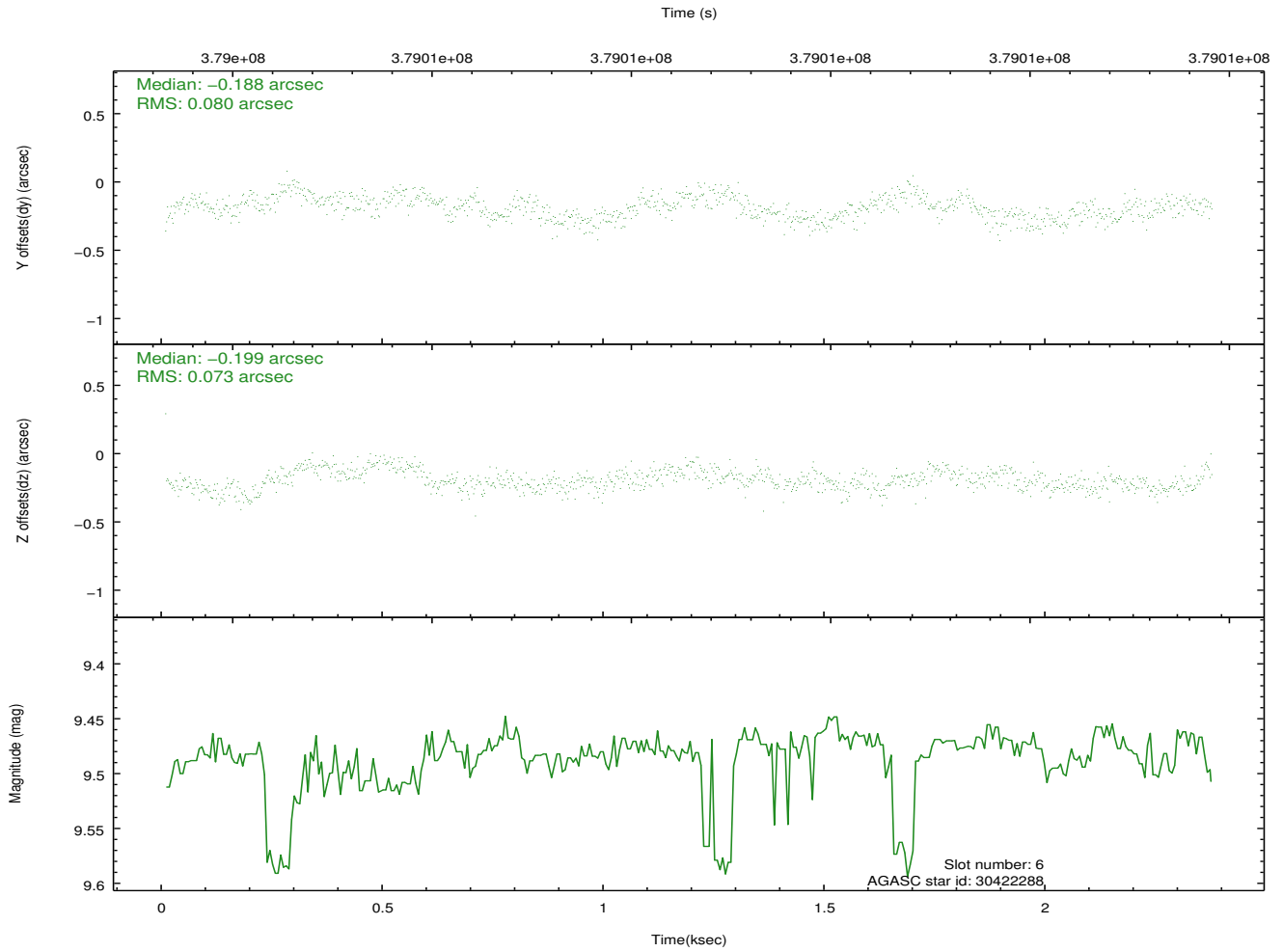
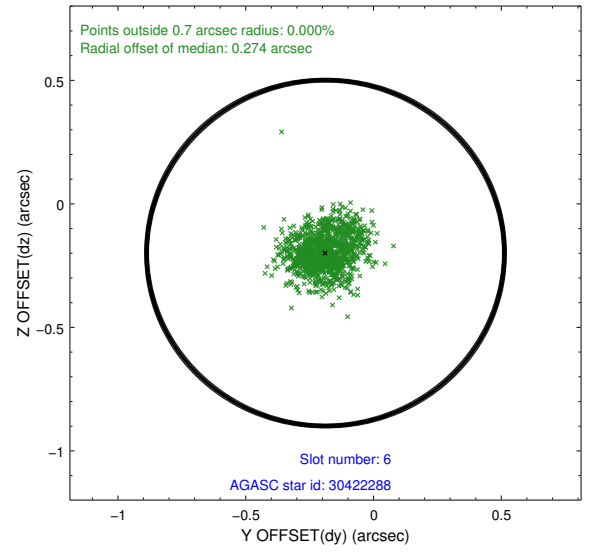
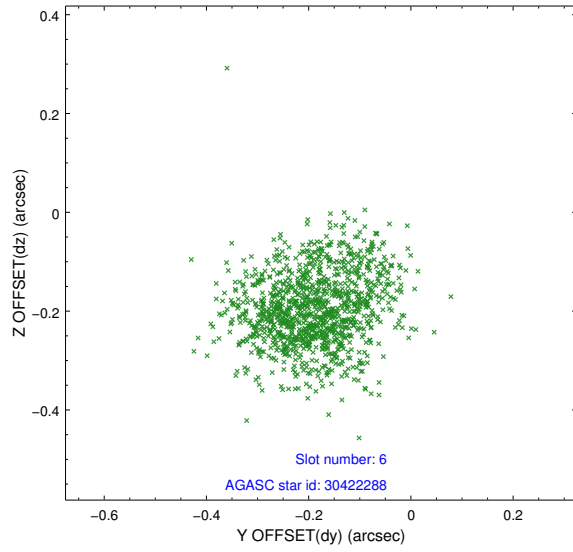
## 2.4.2 Slot 4



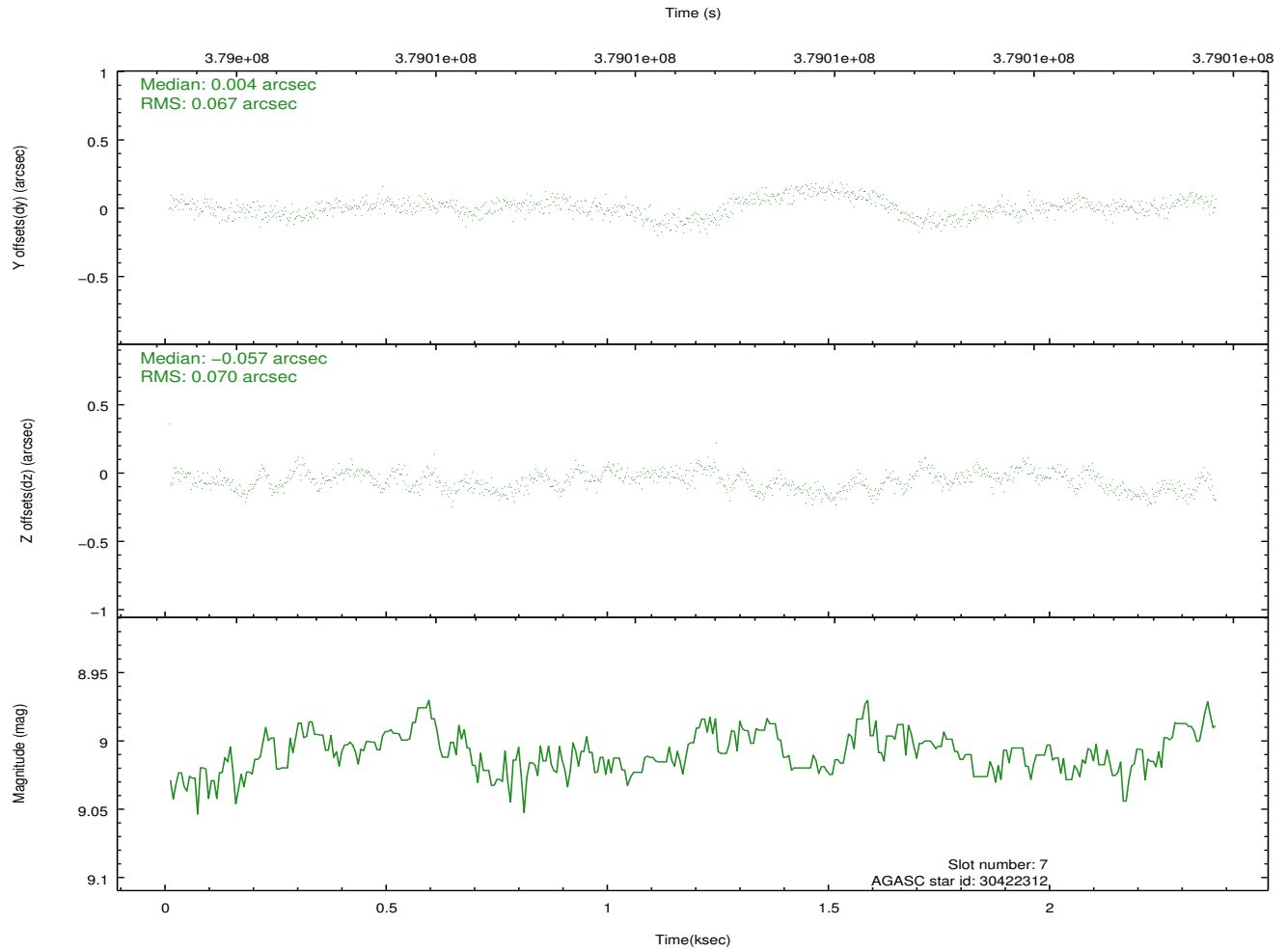
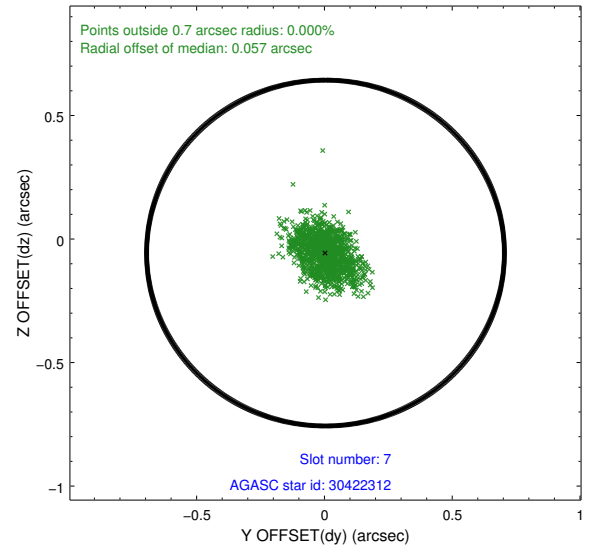
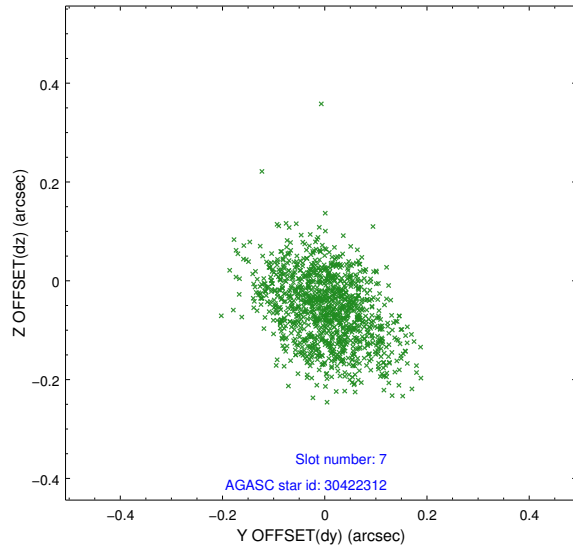
### 2.4.3 Slot 5



## 2.4.4 Slot 6

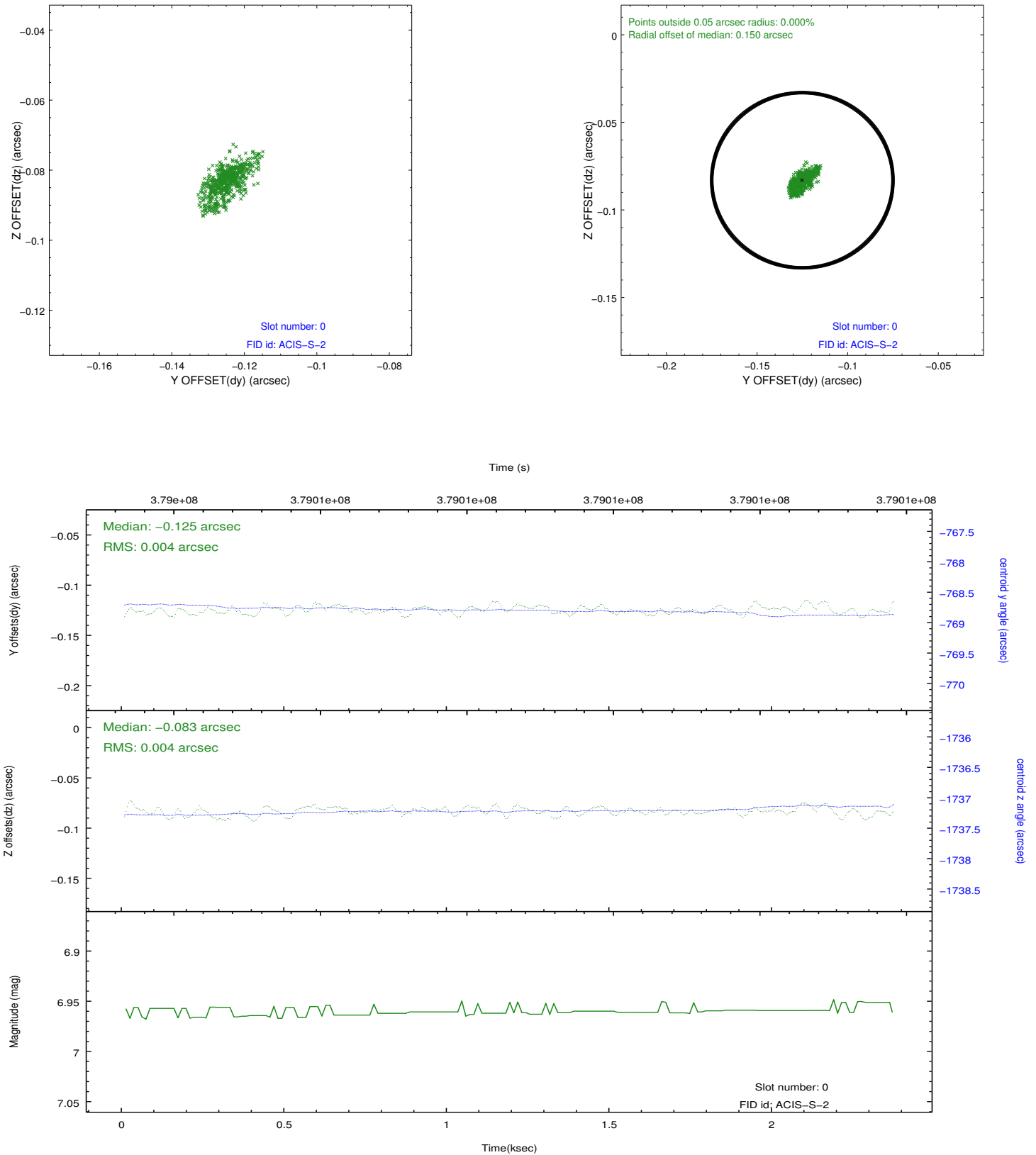


## 2.4.5 Slot 7

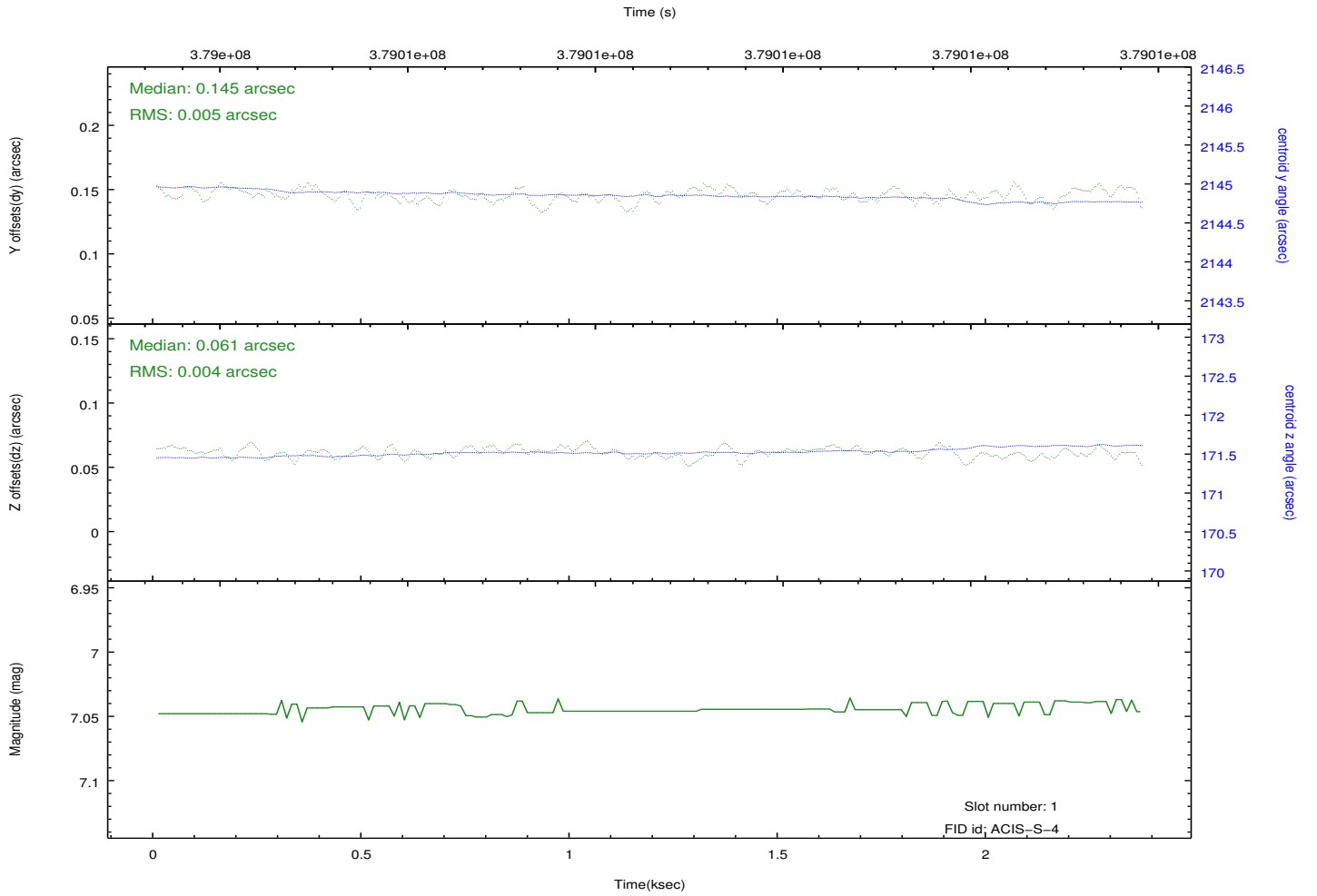
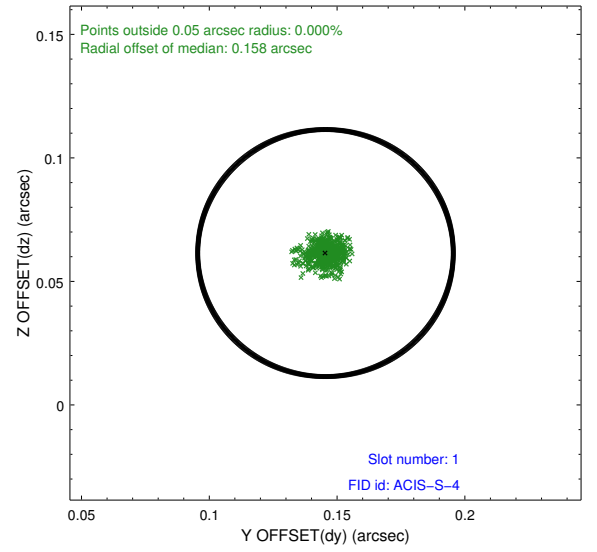
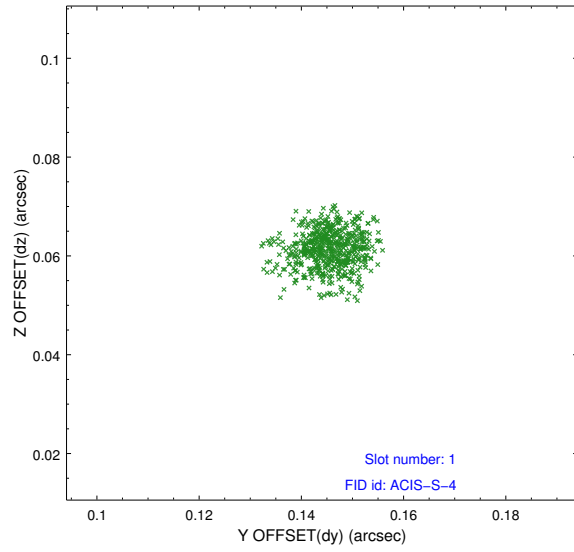


## 2.5 FID Slots

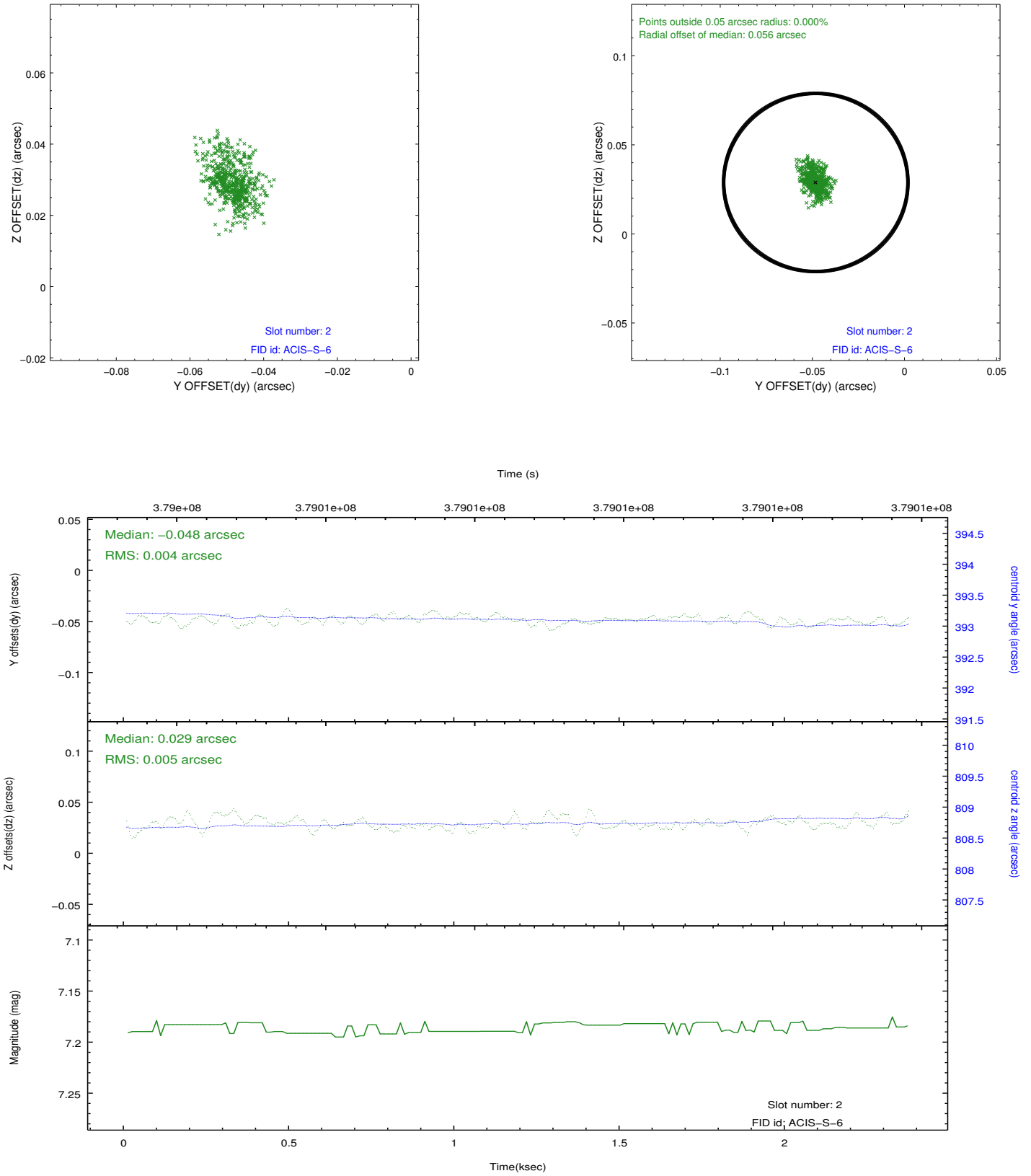
### 2.5.1 Slot 0



## 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)	2012.06.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.0323998788595

### A.2 Comments