

# V&V Reference Report

## L2 ASCDS Version : 8.5.1

Observation 5682 - L2 Version 3  
Chandra X-Ray Center

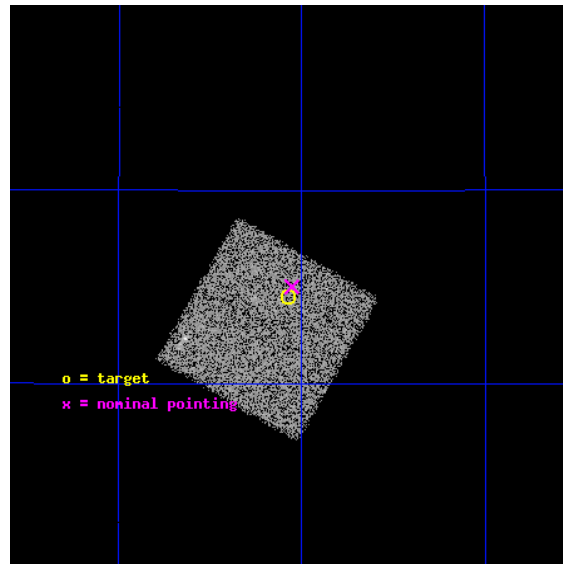
L2 Processing Date : Dec 15 2012

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# 1 Front

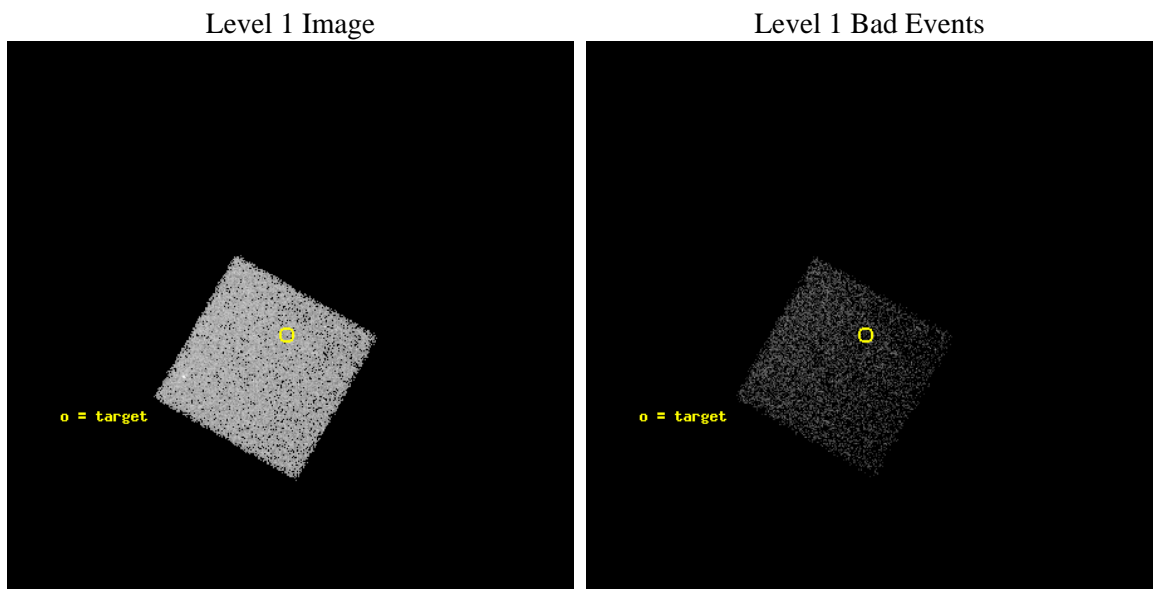
seq_num	701105	Sequence number
obs_id	5682	Observation id
title	Bringing in the Last SHEEP	Proposal title
observer	Prof Kirpal Nandra	Principal investigator
object	AX J0843.0+5014	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	130.76875	Observer's specified target RA [deg]
dec_targ	50.241389	Observer's specified target Dec [deg]
ra_nom	130.7636508649	Nominal RA [deg]
dec_nom	50.250390768439	Nominal Dec [deg]
roll_nom	119.87320755312	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5084.1088066697	Sum of GTIs [s]
livetime	5019.7307596769	Livetime [s]
ontime7	5084.1088066697	Sum of GTIs [s]
l2events	21736	Number of level 2 events



## 2 OBI

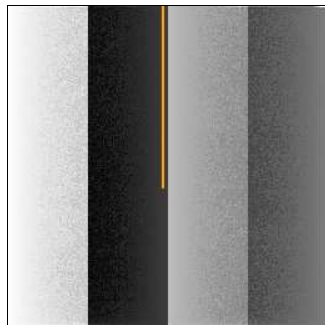
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	5084.1088066697	Sum of GTIs [s]
caldsver	4.5.5	&#160	ontime7	5084.1088066697	Sum of GTIs [s]
date	2012-12-15T04:32:42	Date and time of file creation	l1events	51859	Number of level 1 events
revision	3	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	51859
rejected events	29562
rejected %	57%

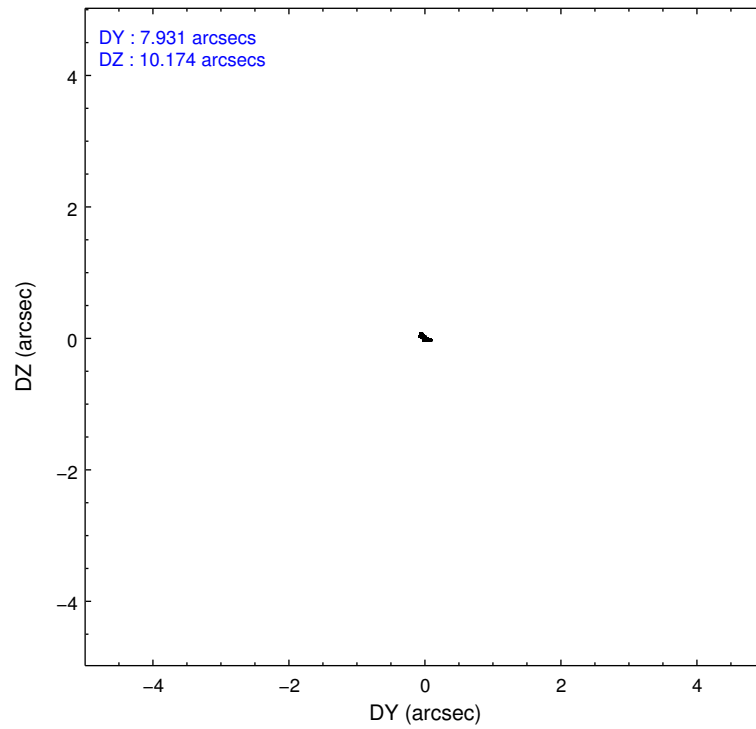
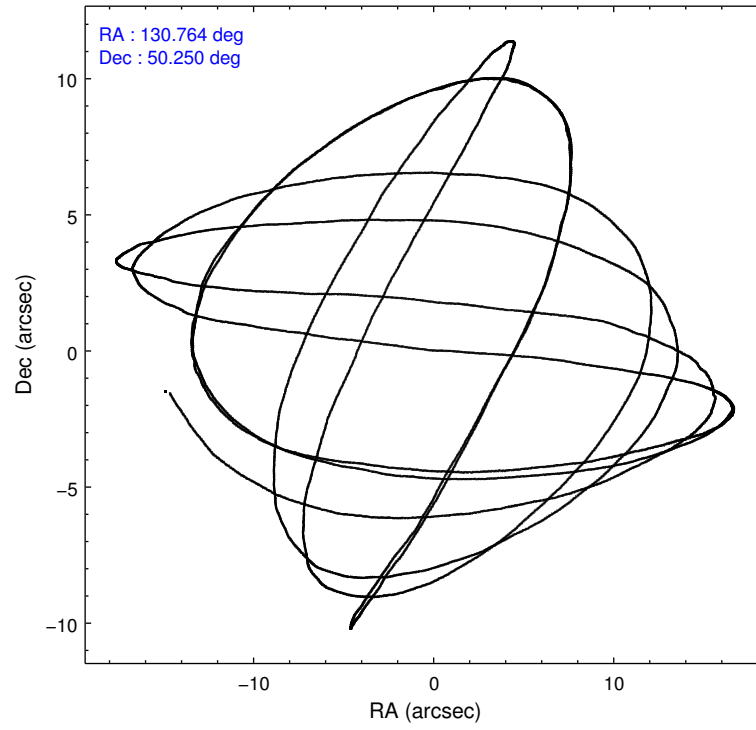
	<b>ccd 7</b>
grade 0 events	2030
	3%
grade 1 events	42
	0%
grade 2 events	4488
	8%
grade 3 events	1982
	3%
grade 4 events	1975
	3%
grade 5 events	5065
	9%
grade 6 events	11840
	22%
grade 7 events	24437
	47%

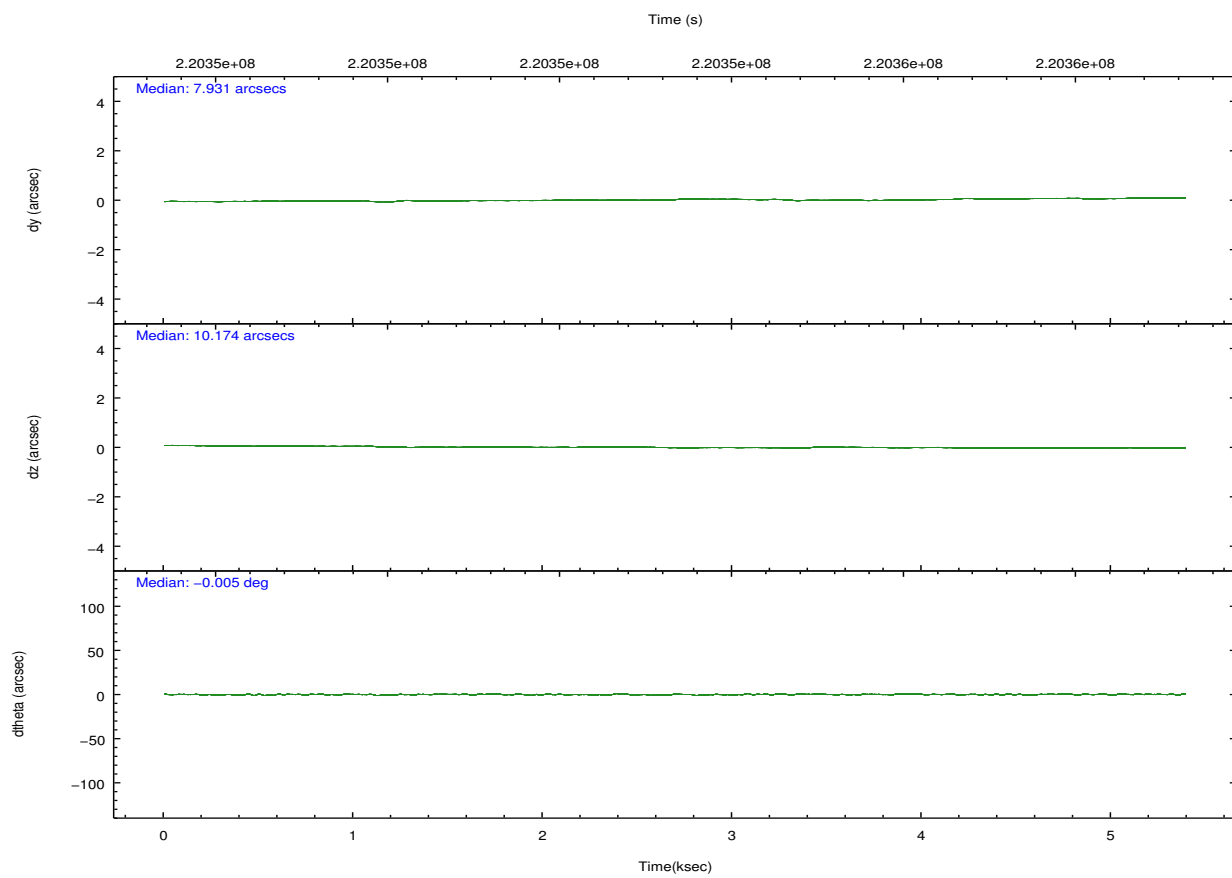
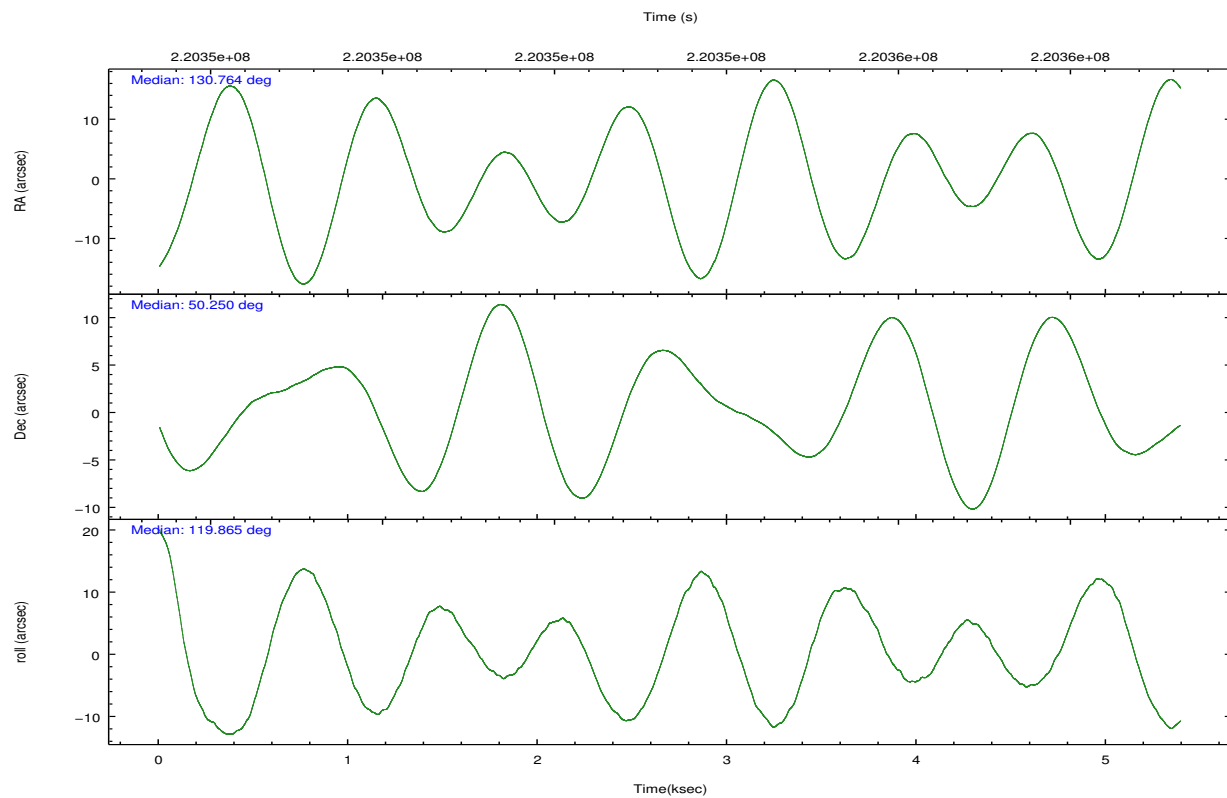


## 2.2 Compared Parameters

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	130.800748	130.7636508649019	Subarray requested	NONE	NONE
[deg] Pointing Dec	50.237127	50.25039076843866	Alternating exposures requested	N	N
[deg] Pointing Roll	119.688049	119.8732075531208	[s] Primary exposure time	0.000000	3.2
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	220351372.184000	220350565.86113			
Observation start date	2004-12-25T08:41:48	2004-12-25T08:29:25			
[s] Observation end time (MET)	220356372.184000	220356962.88642			
Observation end date	2004-12-25T10:05:08	2004-12-25T10:16:02			
Read mode	TIMED	TIMED			

## 2.3 Aspect



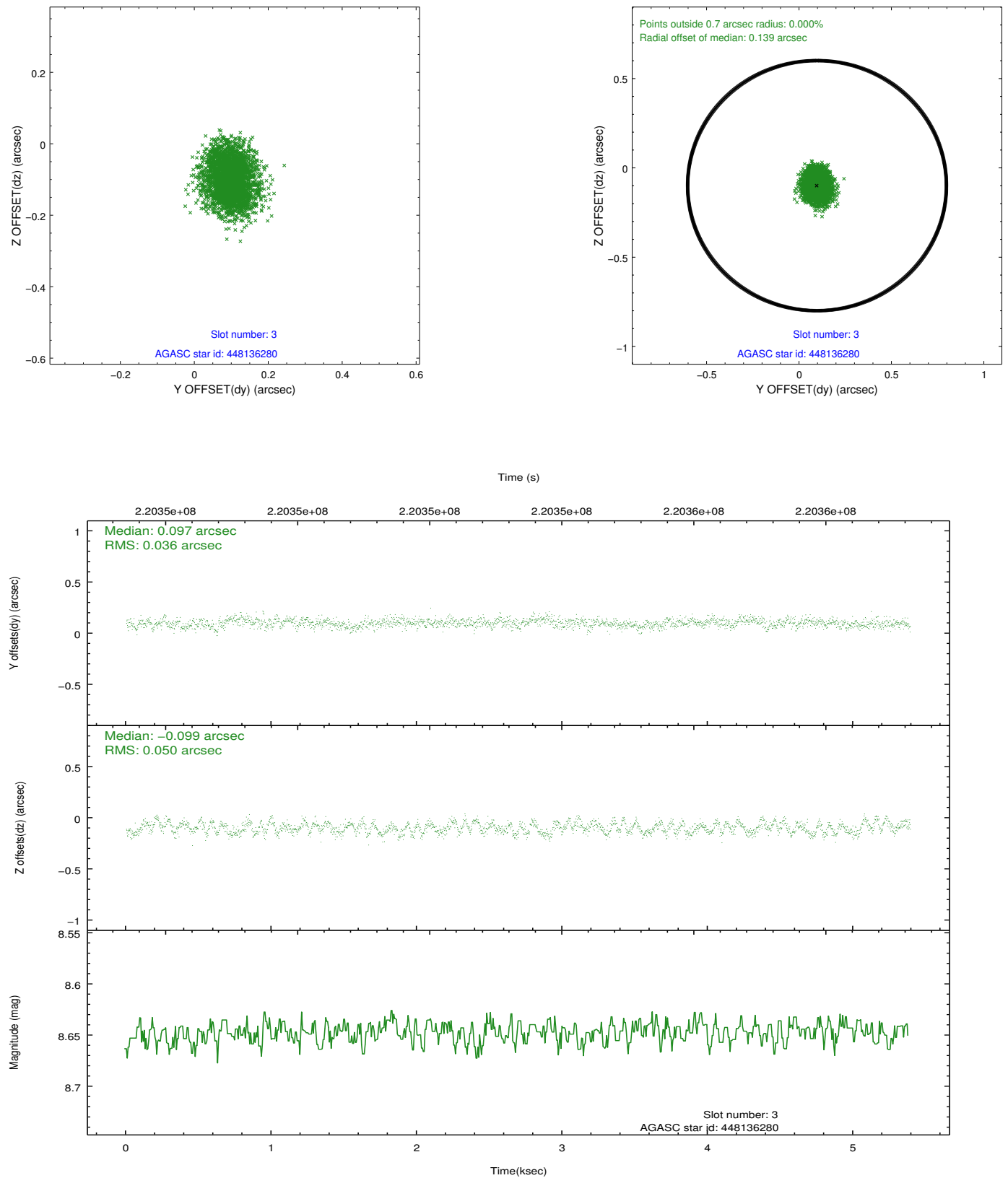


### Slot Statistics

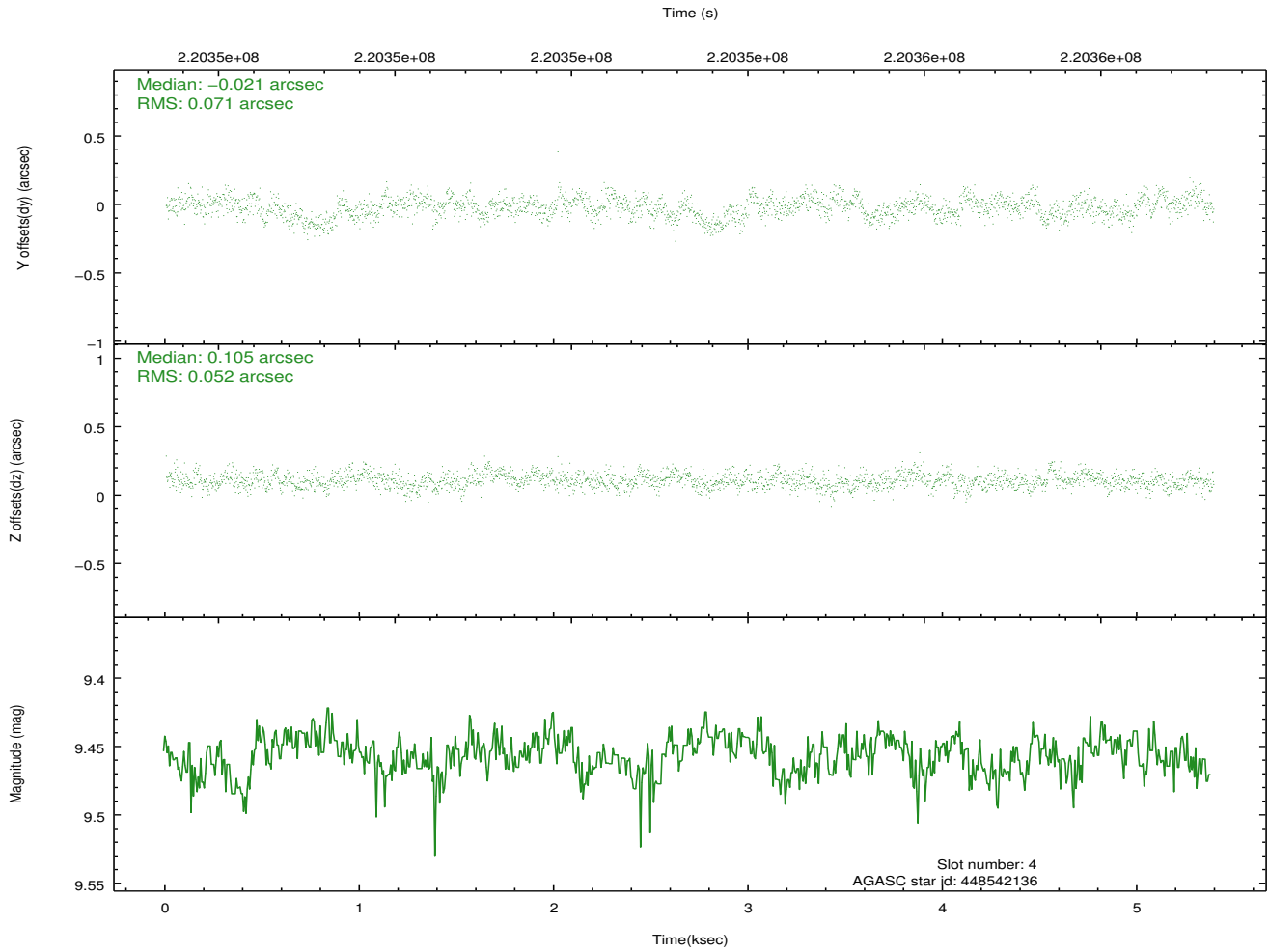
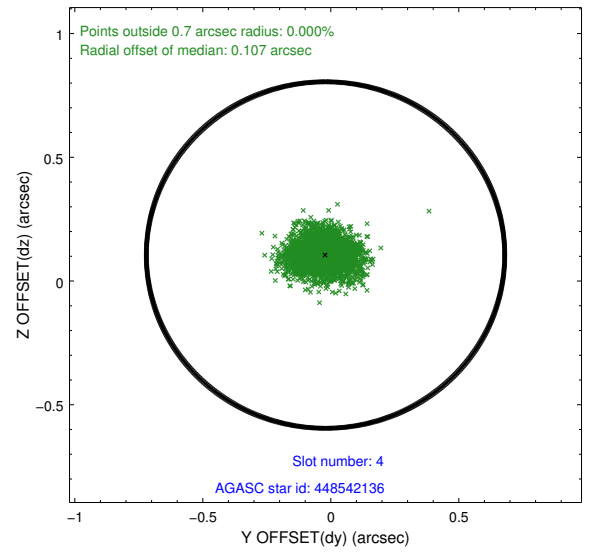
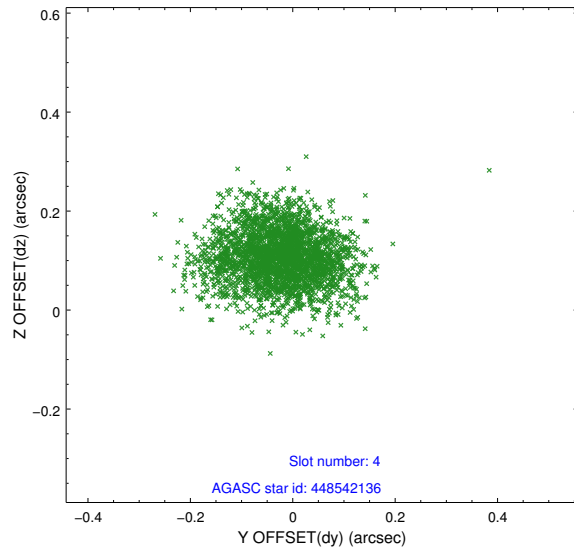
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1315	-0.040	-0.015	0.007	0.012	0.000000	0.000000	-760.71	-1731.47
1	FID	ACIS-S-4	7.21	1314	0.100	0.024	0.007	0.011	0.000000	0.000000	2152.15	175.97
2	FID	ACIS-S-5	7.23	1315	-0.092	0.001	0.006	0.011	0.000000	0.000000	-1812.21	170.79
3	GUIDE	448136280	8.65	2630	0.097	-0.099	0.067	0.104	130.767172	49.987423	-742.20	512.97
4	GUIDE	448542136	9.46	2629	-0.021	0.105	0.094	0.153	130.394428	50.774076	2139.92	-154.40
5	GUIDE	448542600	9.41	2629	-0.056	-0.172	0.089	0.145	129.828251	50.287670	1279.74	1845.88
6	GUIDE	448672088	8.98	2627	-0.137	0.116	0.093	0.147	131.437545	50.827892	1137.09	-2313.31
7	GUIDE	448674328	9.08	2628	0.122	0.054	0.086	0.140	131.586128	50.022930	-1560.01	-1201.68

## 2.4 Star Slots

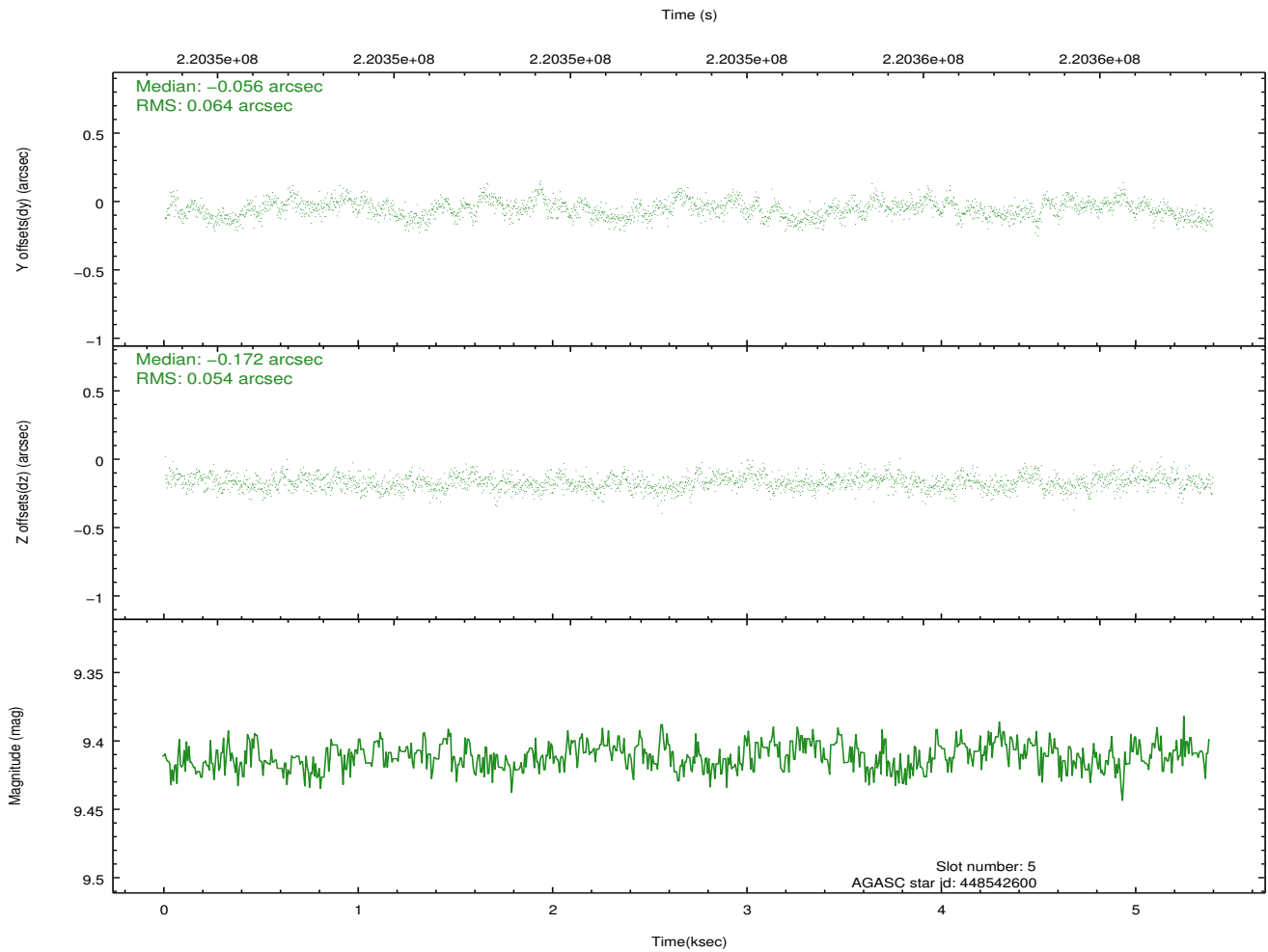
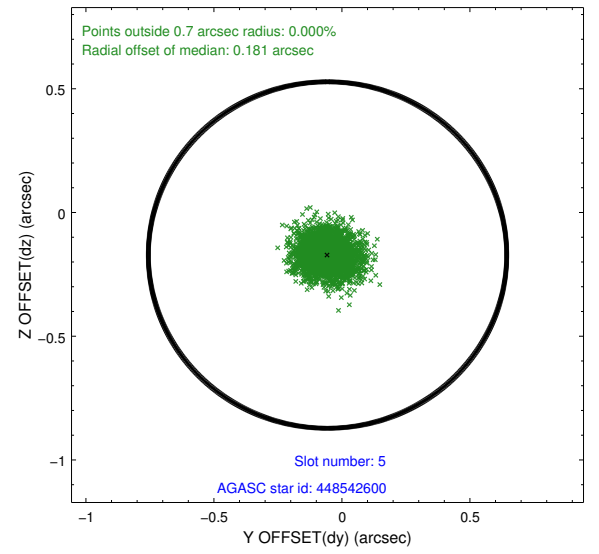
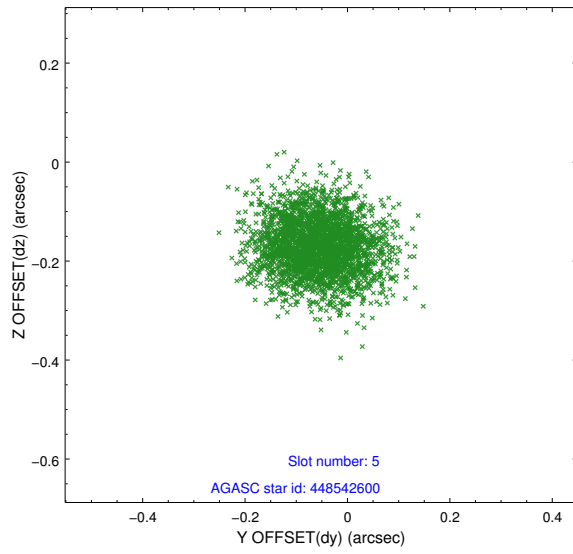
### 2.4.1 Slot 3



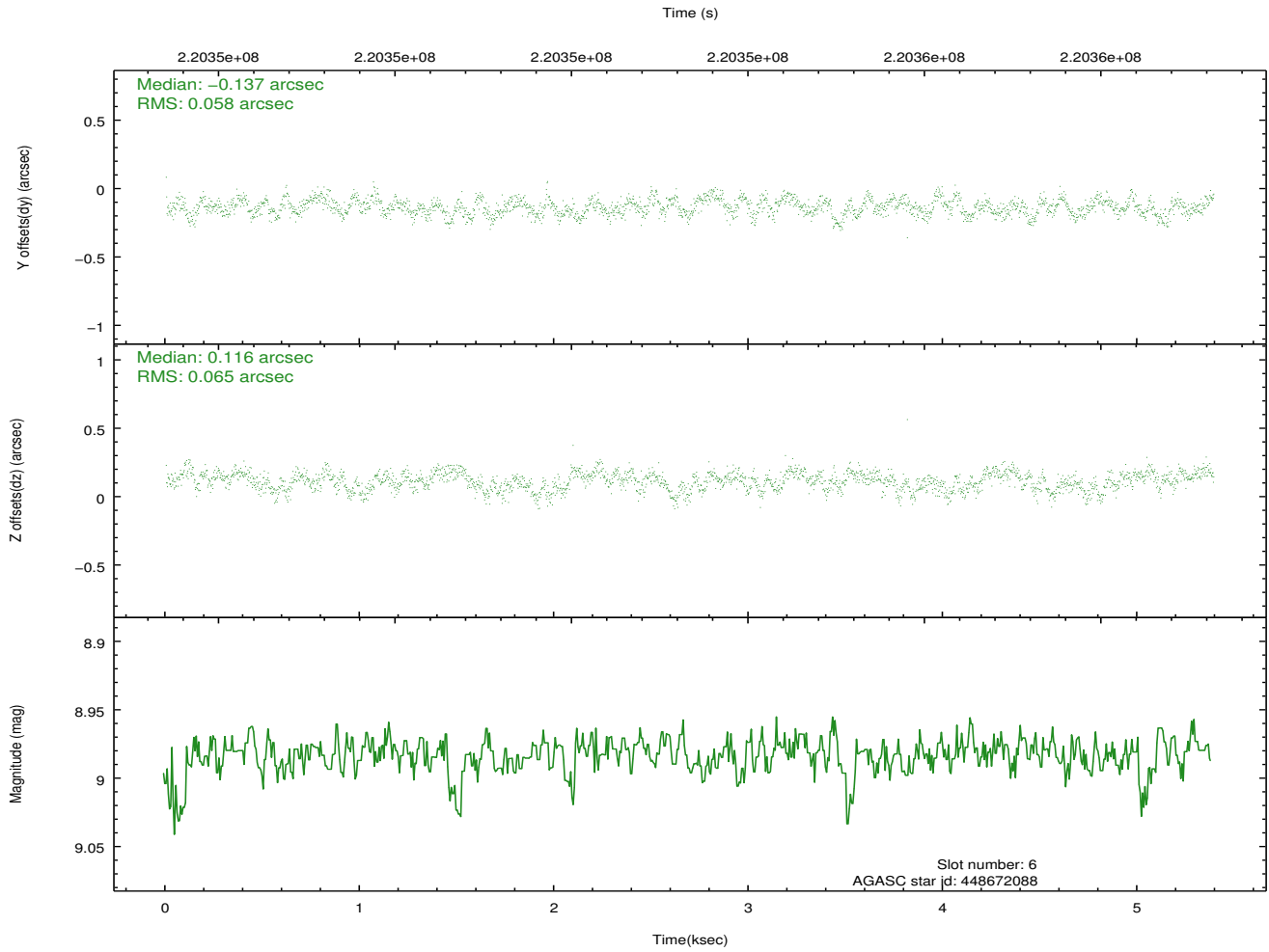
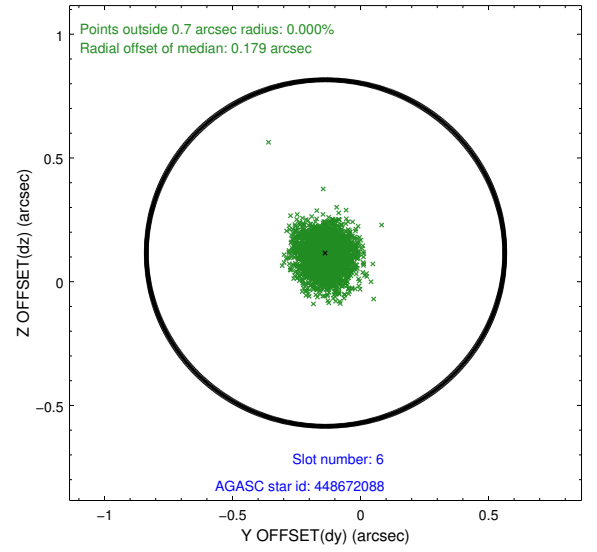
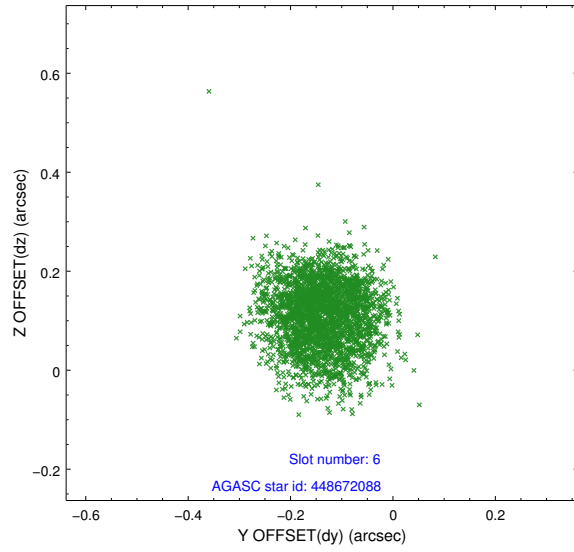
## 2.4.2 Slot 4



### 2.4.3 Slot 5

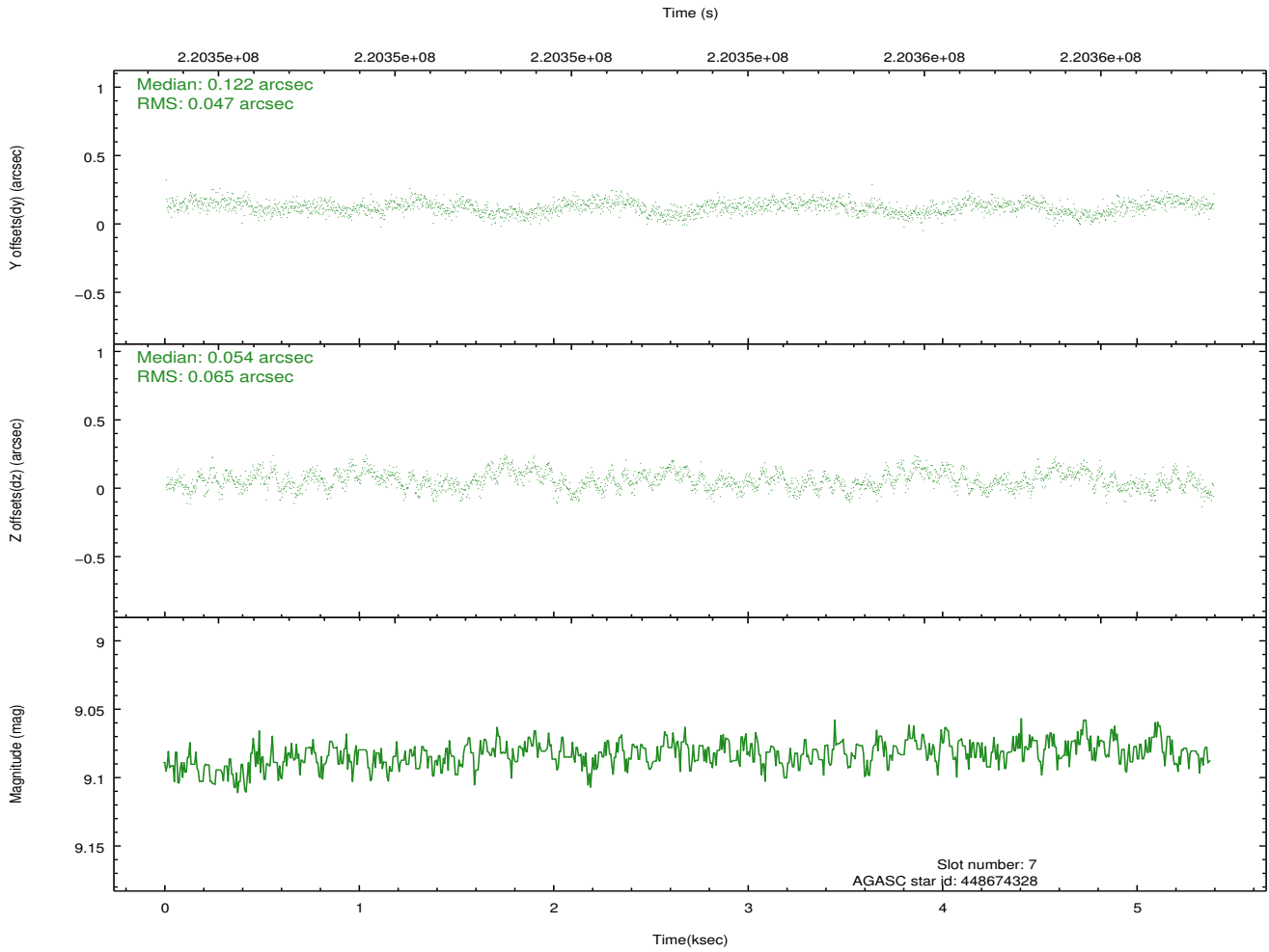
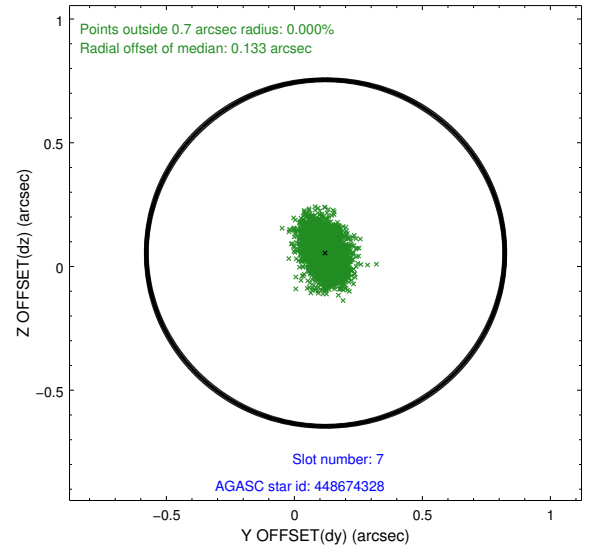
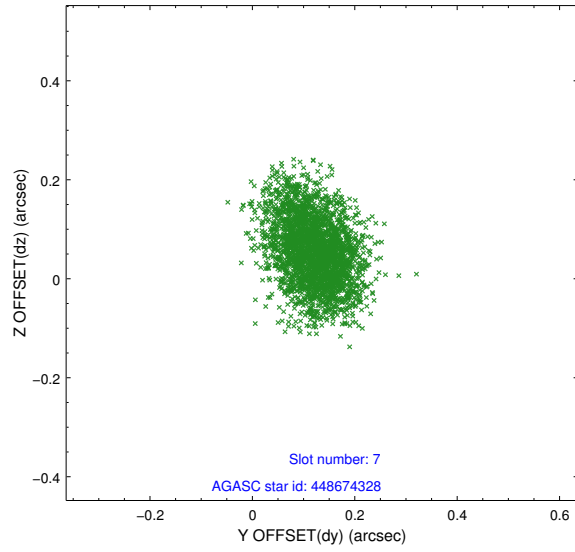


## 2.4.4 Slot 6



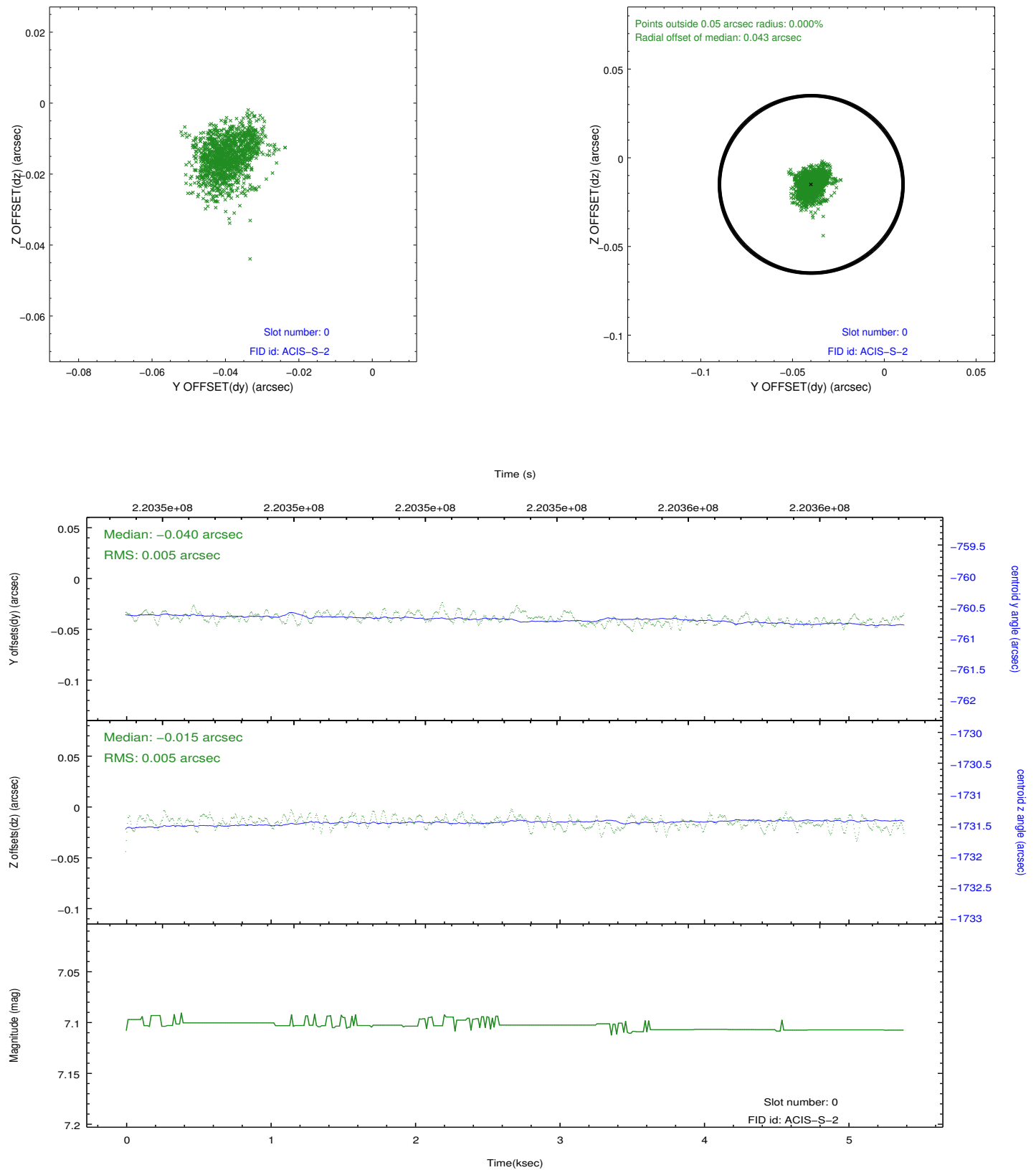


## 2.4.5 Slot 7

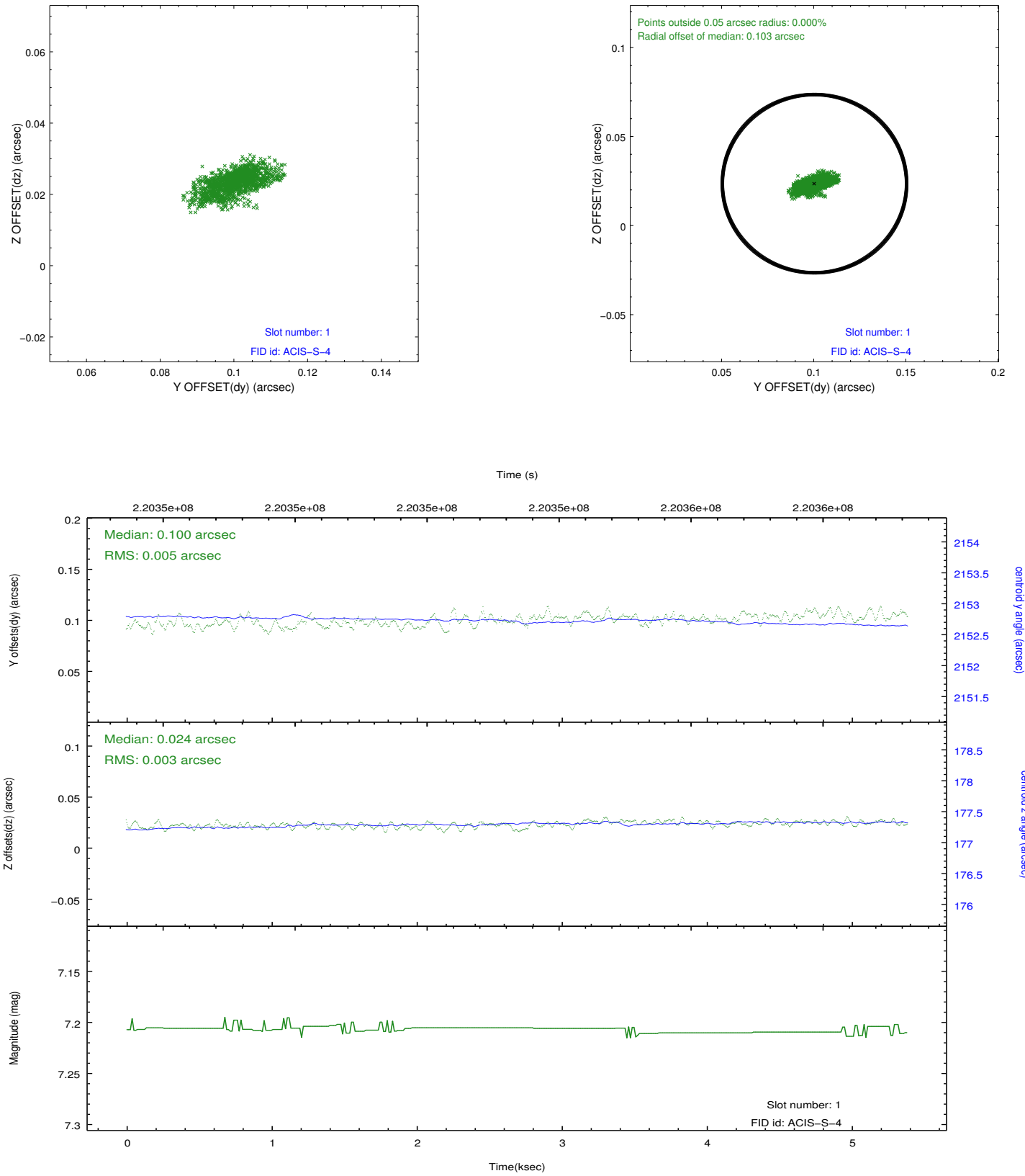


## 2.5 FID Slots

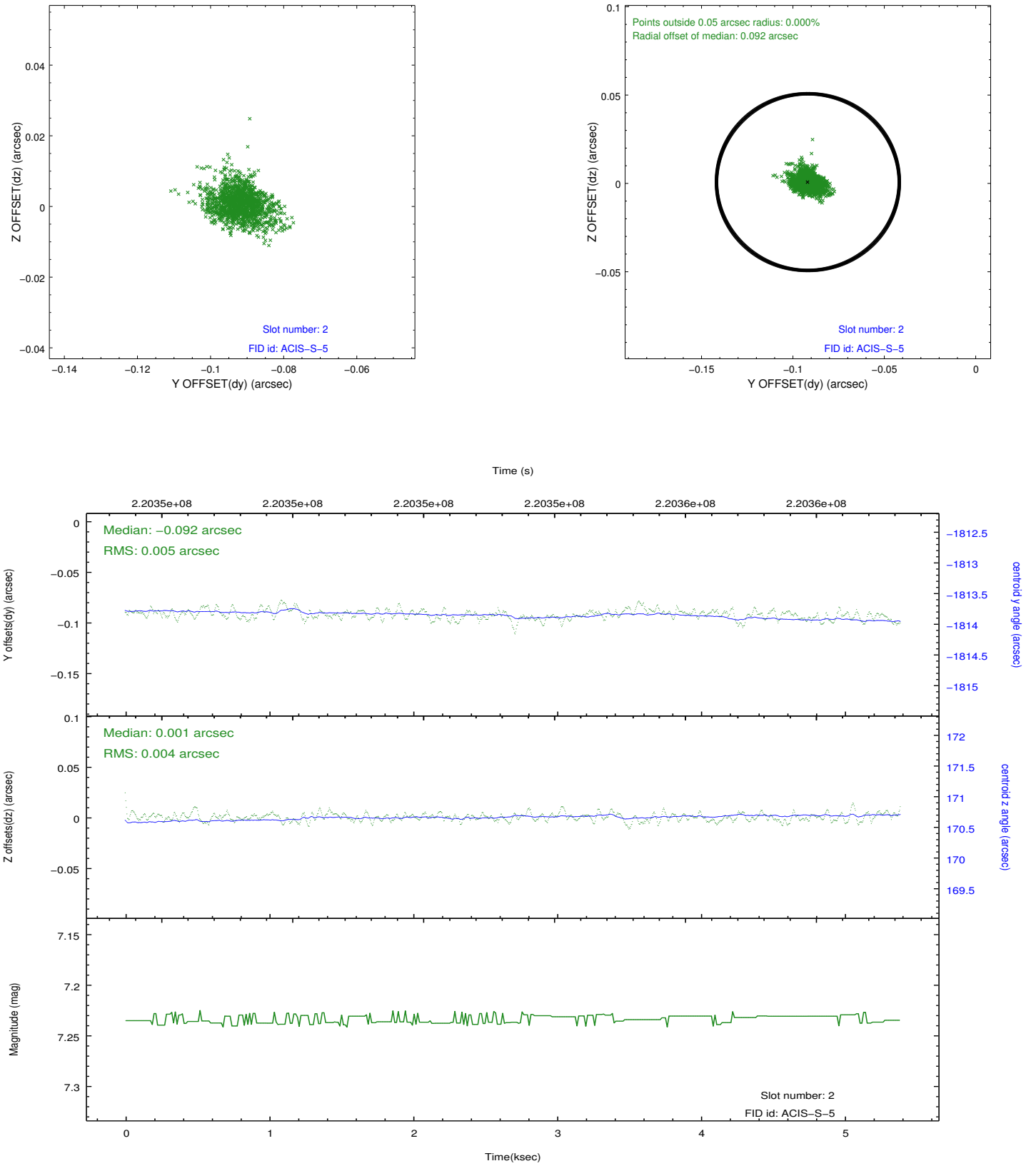
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2013.01.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.084799

## A.2 Comments

Joint proposal with NOAO.