

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 6693 - L2 Version 2  
Chandra X-Ray Center

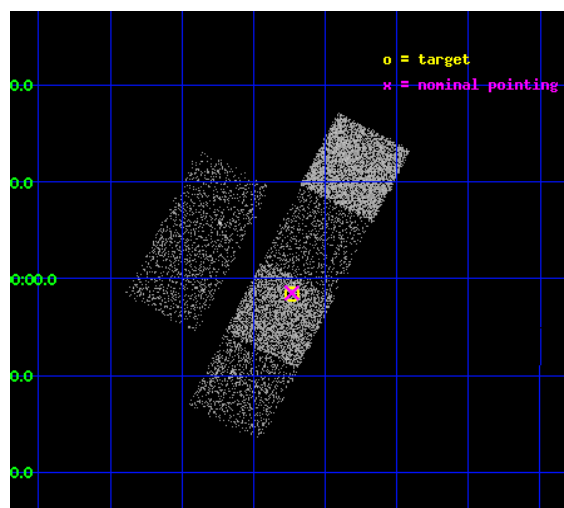
L2 Processing Date : Apr 1 2012

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Bias . . . . .	3
2.1.3	Parameters . . . . .	4
2.1.4	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Aspect . . . . .	6
2.4	Star Slots . . . . .	9
2.4.1	Slot 3 . . . . .	9
2.4.2	Slot 4 . . . . .	10
2.4.3	Slot 5 . . . . .	11
2.4.4	Slot 6 . . . . .	12
2.4.5	Slot 7 . . . . .	13
2.5	FID Slots . . . . .	14
2.5.1	Slot 0 . . . . .	14
2.5.2	Slot 1 . . . . .	15
2.5.3	Slot 2 . . . . .	16
<b>A</b>	<b>Summary</b>	<b>17</b>
A.1	Status . . . . .	17
A.2	Comments . . . . .	17

# 1 Front

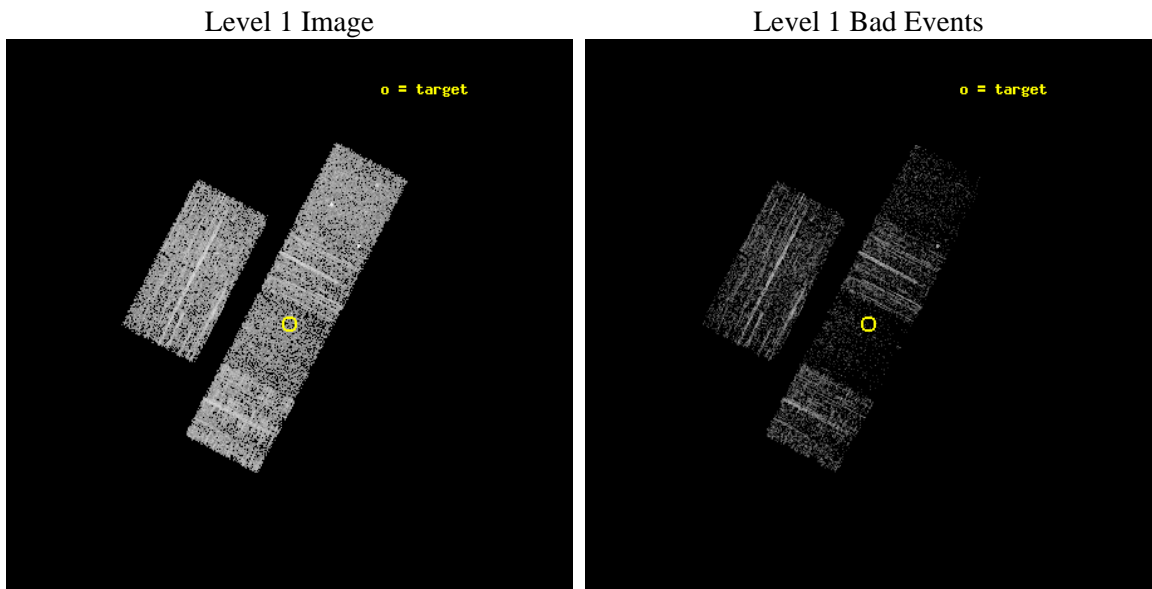
seq_num	500644	Sequence number
obs_id	6693	Observation id
title	A High Purity Discovery Program for Isolated Neutron Stars	Proposa
observer	Dr. Scott Anderson	Principal investigator
object	1RXS J003413.7-010134	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	8.557083	Observer's specified target RA [deg]
dec_targ	-1.026111	Observer's specified target Dec [deg]
ra_nom	8.5581019477803	Nominal RA [deg]
dec_nom	-1.0243206878287	Nominal Dec [deg]
roll_nom	117.4805943032	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2041.5999923944	Sum of GTIs [s]
livetime	2015.7480239868	Livetime [s]
ontime2	2041.5999923944	Sum of GTIs [s]
ontime3	2041.5999923944	Sum of GTIs [s]
ontime5	2041.5999923944	Sum of GTIs [s]
ontime6	2041.5999923944	Sum of GTIs [s]
ontime7	2041.5999923944	Sum of GTIs [s]
ontime8	2041.5999923944	Sum of GTIs [s]
l2events	13833	Number of level 2 events



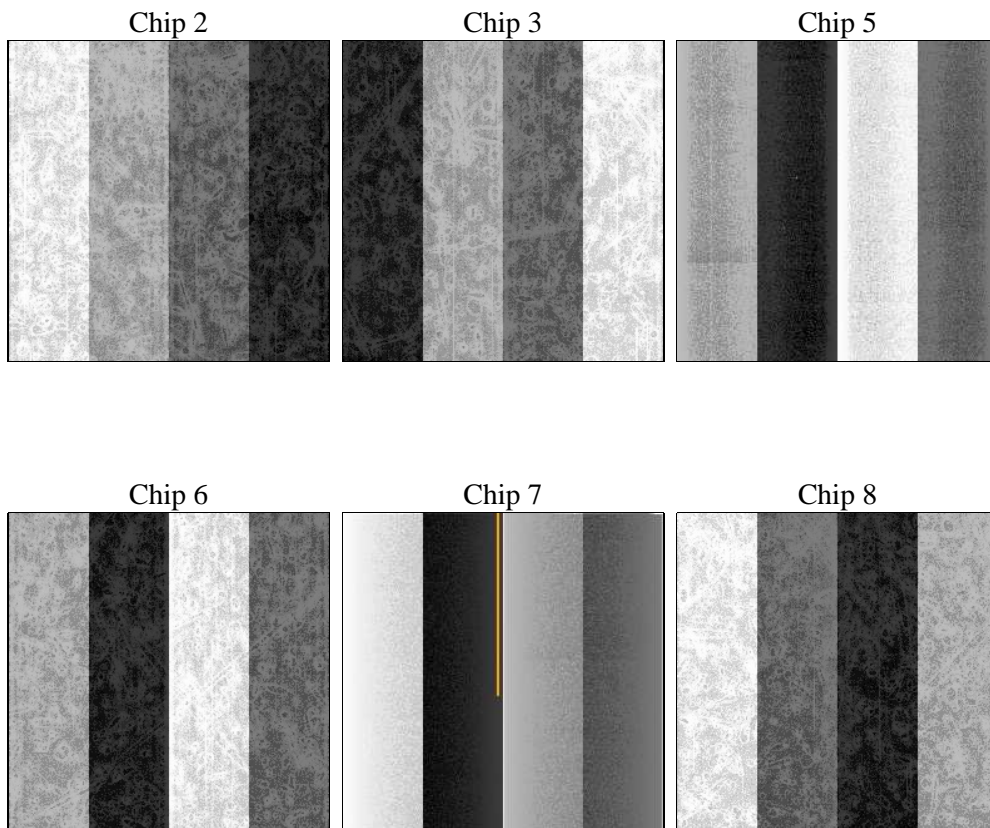
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	2041.5999923944	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime2	2041.5999923944	Sum of GTIs [s]
date	2012-04-01T04:42:15	Date and time of file creation	ontime3	2041.5999923944	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	2041.5999923944	Sum of GTIs [s]
			ontime6	2041.5999923944	Sum of GTIs [s]
			ontime7	2041.5999923944	Sum of GTIs [s]
			ontime8	2041.5999923944	Sum of GTIs [s]
			l1events	74217	Number of level 1 events

### 2.1.4 Events

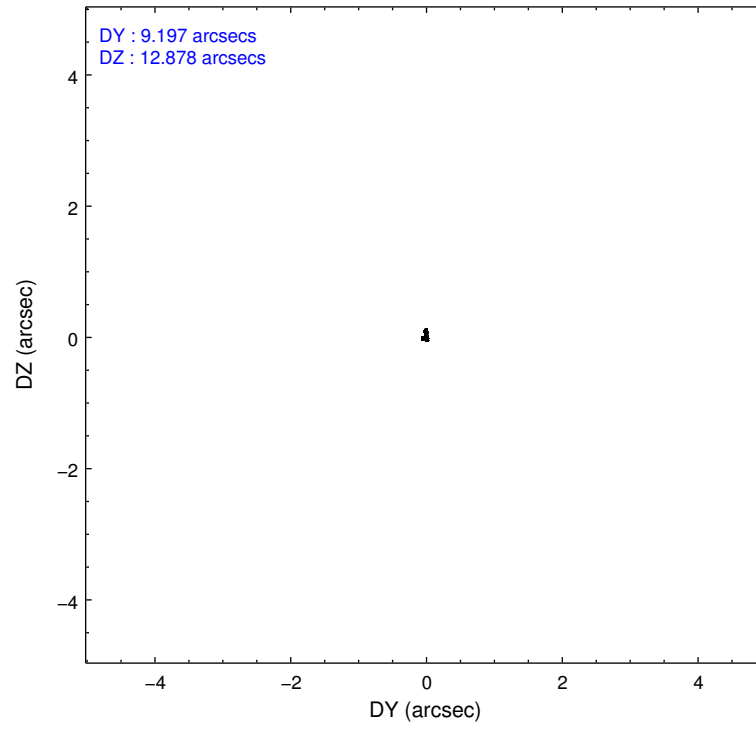
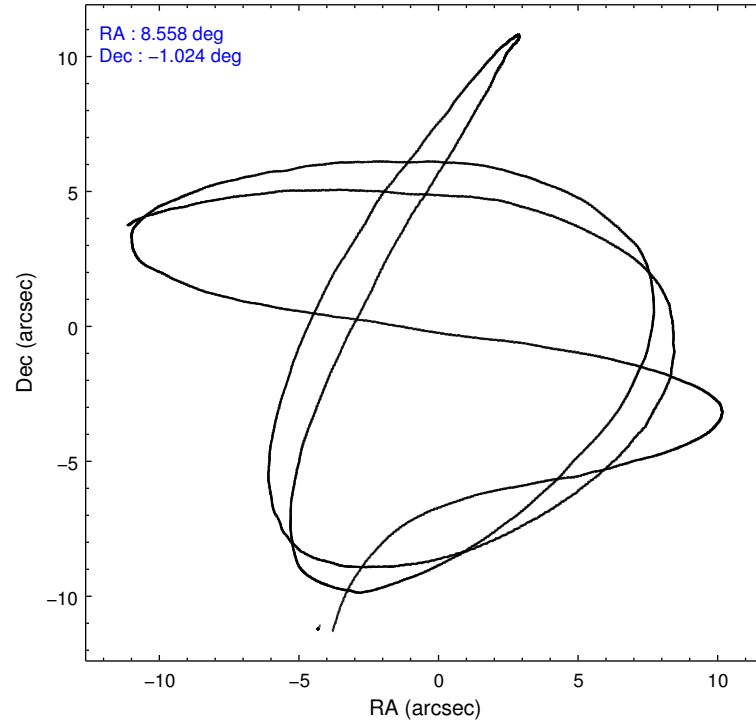
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	13917	13060	11224	13191	7203	15622
rejected events	12774	12010	4279	12131	3073	11736
rejected %	91%	91%	38%	91%	42%	75%

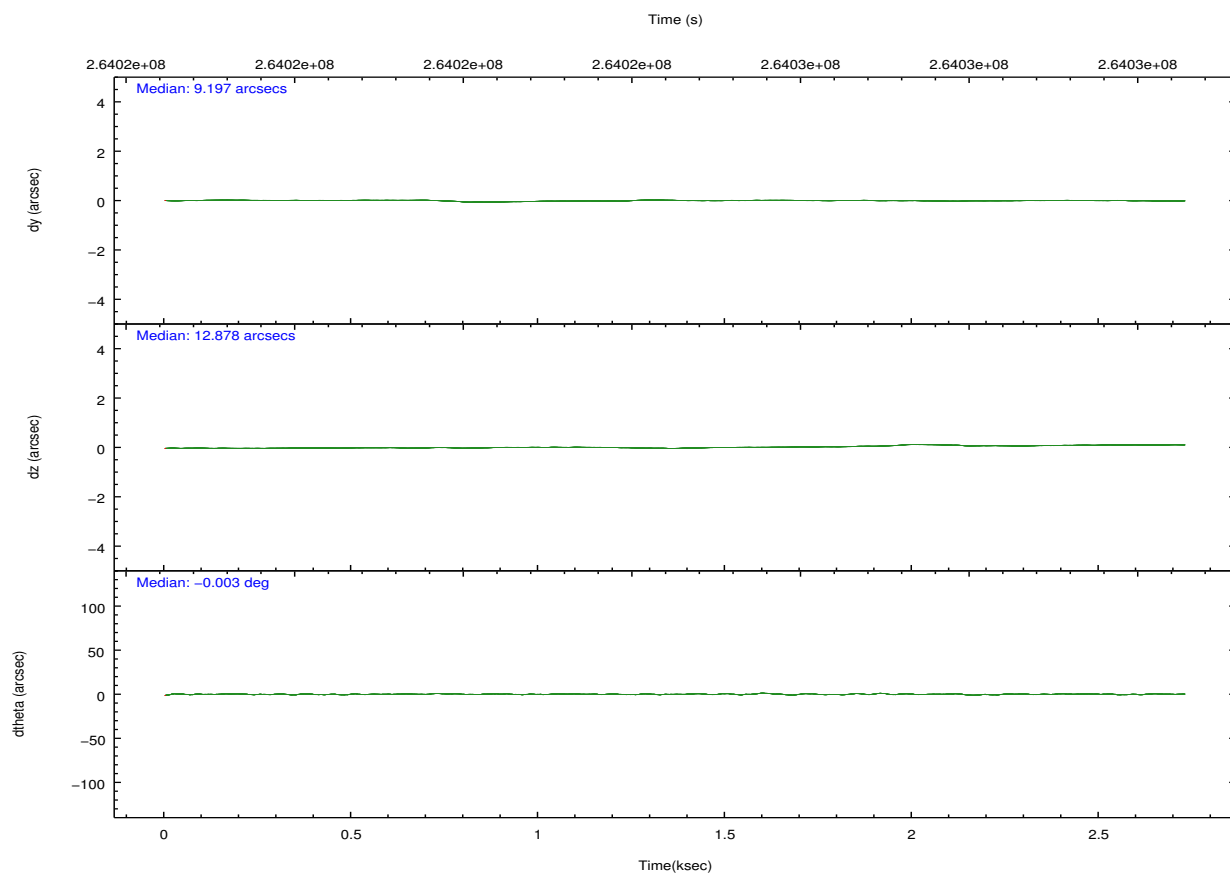
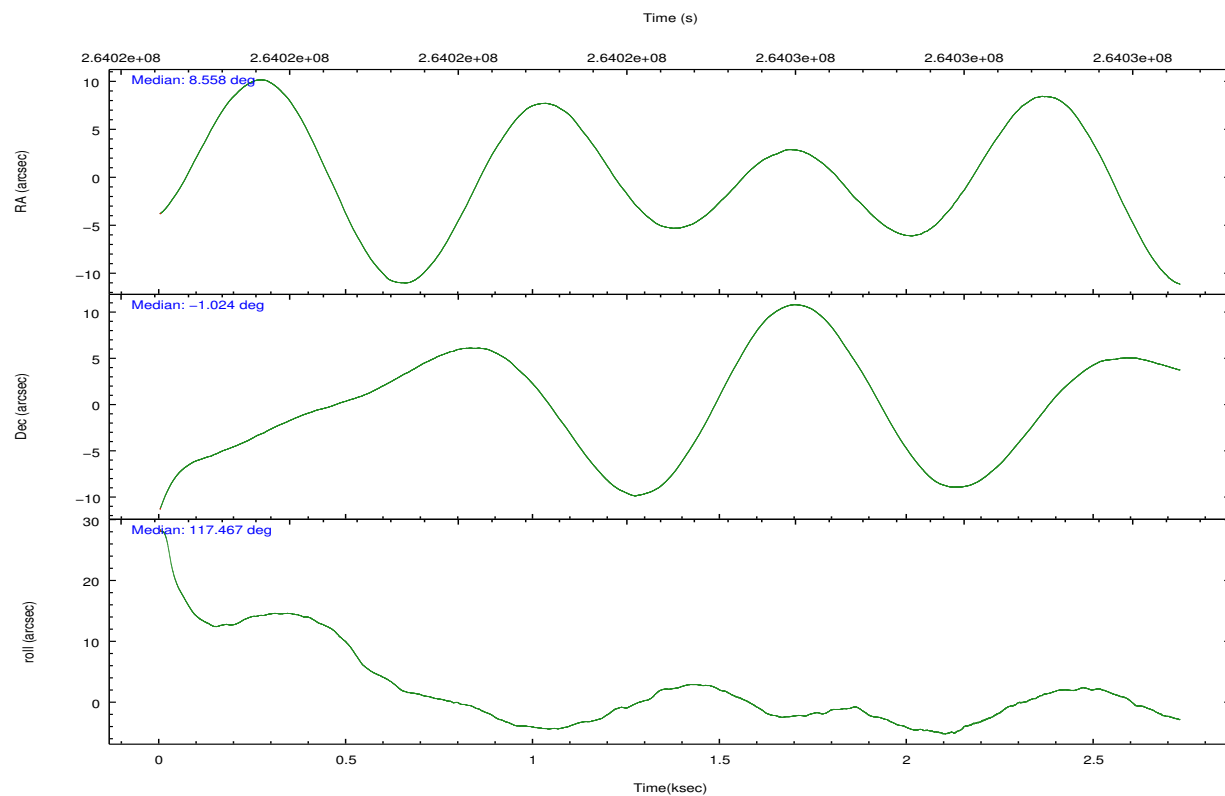
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	517	432	1170	457	544	1048
	3%	3%	10%	3%	7%	6%
grade 1 events	8	5	107	5	8	14
	0%	0%	0%	0%	0%	0%
grade 2 events	245	216	2090	220	996	955
	1%	1%	18%	1%	13%	6%
grade 3 events	121	120	398	106	427	412
	0%	0%	3%	0%	5%	2%
grade 4 events	111	112	365	113	439	379
	0%	0%	3%	0%	6%	2%
grade 5 events	226	256	930	242	797	416
	1%	1%	8%	1%	11%	2%
grade 6 events	155	175	2941	169	1737	1097
	1%	1%	26%	1%	24%	7%
grade 7 events	12534	11744	3223	11879	2255	11301
	90%	89%	28%	90%	31%	72%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	8.581152	8.55810194778029	Subarray requested	NONE	NONE
[deg] Pointing Dec	-1.038560	-1.024320687828704	Alternating exposures requested	N	N
[deg] Pointing Roll	117.324333	117.4805943032005	[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)	264024493.184000	264023212.82857			
Observation start date	2006-05-14T20:07:08	2006-05-14T19:46:52			
[s] Observation end time (MET)	264026493.184000	264027447.61626			
Observation end date	2006-05-14T20:40:28	2006-05-14T20:57:27			
Read mode	TIMED	TIMED			

## 2.3 Aspect





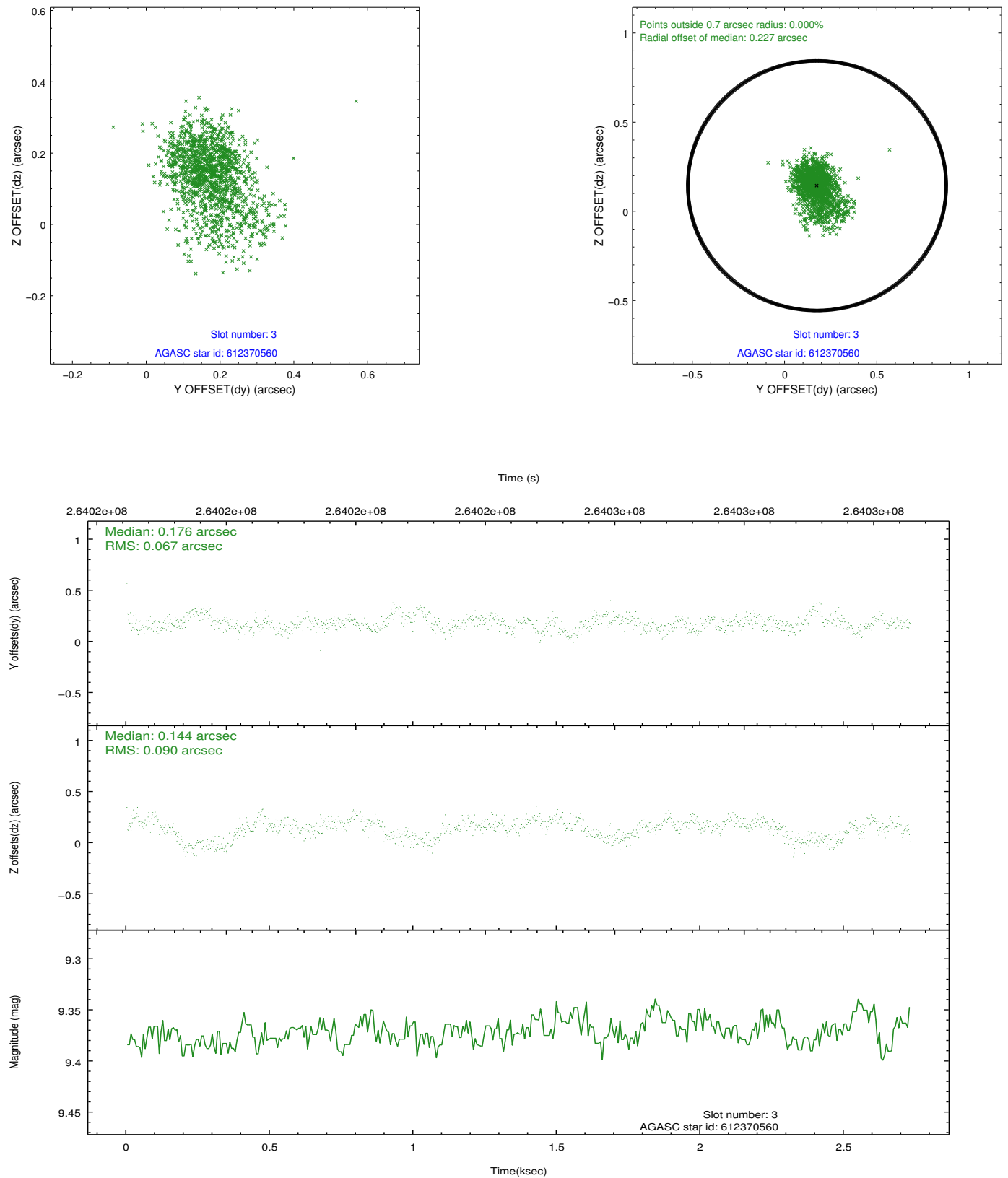
### Slot Statistics

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	666	-0.011	-0.046	0.006	0.010	0.000000	0.000000	-762.03	-1734.25
1	FID	ACIS-S-4	7.19	666	0.130	0.018	0.005	0.010	0.000000	0.000000	2150.33	171.81
2	FID	ACIS-S-5	7.23	666	-0.151	0.037	0.006	0.011	0.000000	0.000000	-1811.97	168.23
3	GUIDE	612370560	9.37	1332	0.176	0.144	0.115	0.208	8.872997	-1.086508	-634.54	-853.54
4	GUIDE	612373376	9.66	1331	-0.105	-0.247	0.106	0.172	8.279747	-0.868264	1042.32	681.97
5	GUIDE	612374032	8.22	1332	-0.024	0.182	0.065	0.103	8.955142	-0.898357	-167.68	-1426.48
6	GUIDE	612371168	9.75	1329	0.050	-0.360	0.132	0.212	8.130301	-1.619057	-1112.36	2399.35
7	GUIDE	612374896	9.54	1327	-0.106	0.303	0.143	0.228	9.101748	-0.582076	599.96	-2416.48

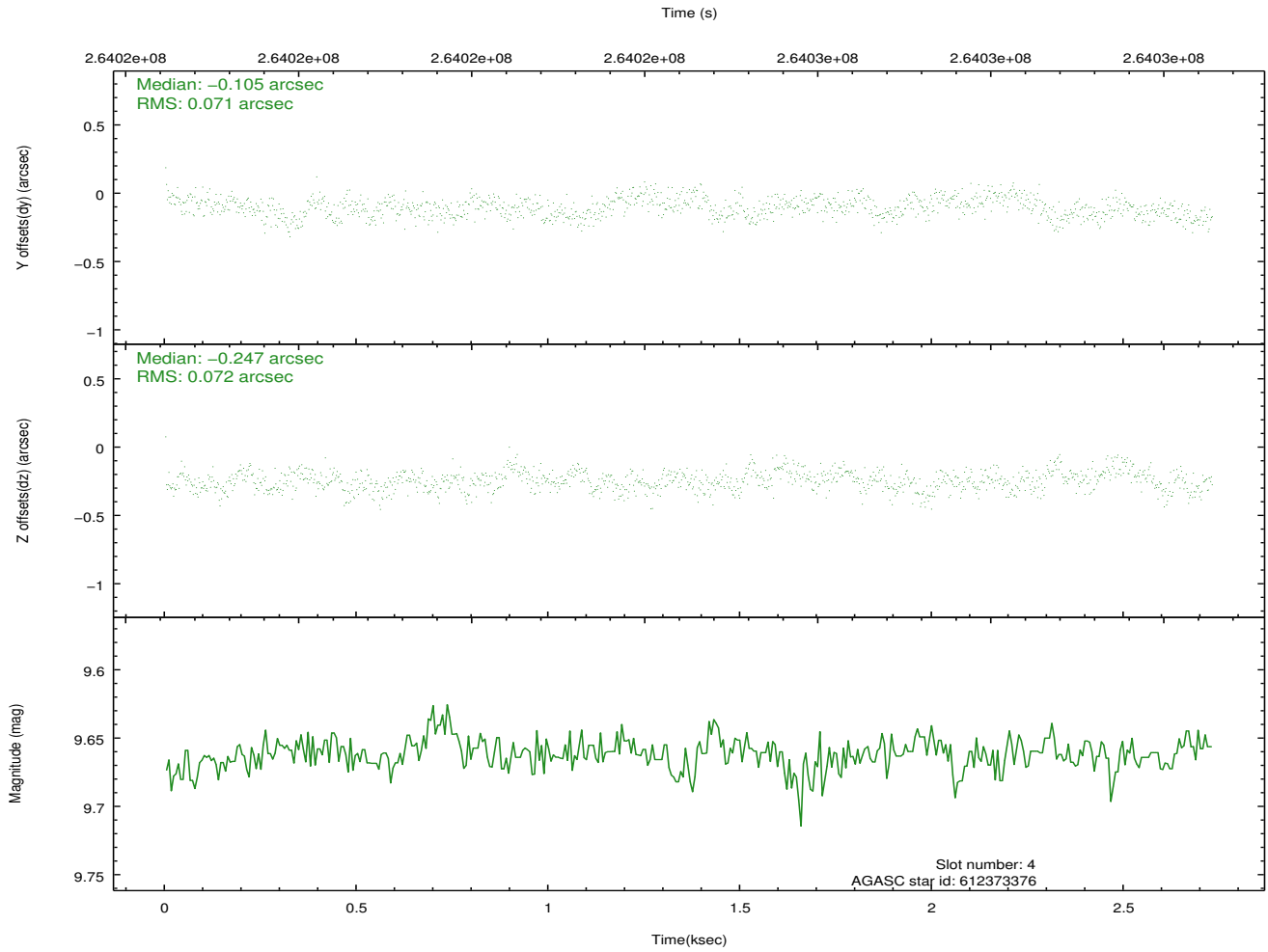
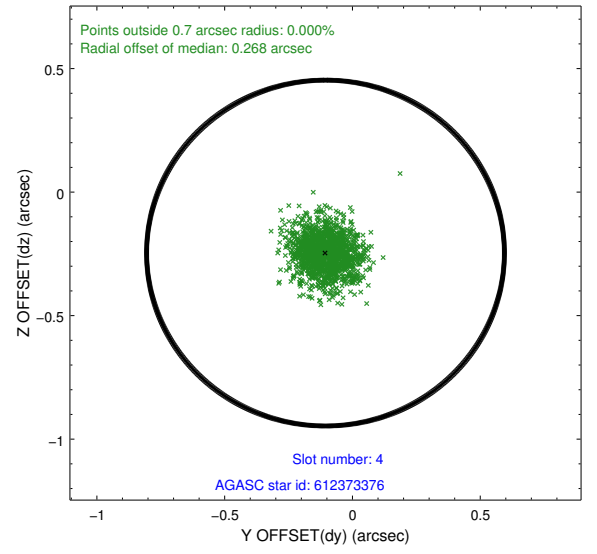
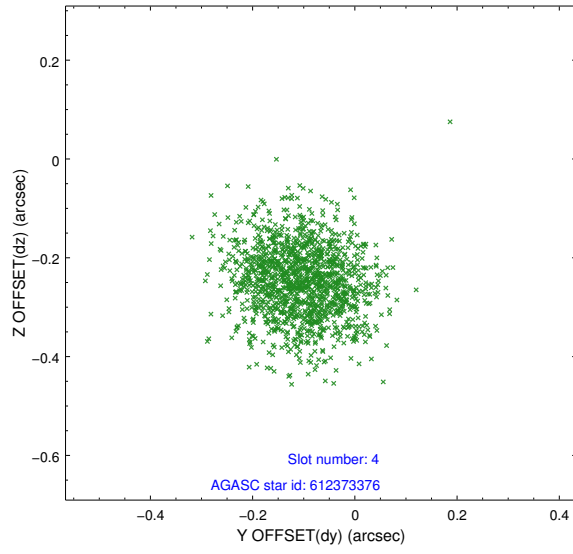


## 2.4 Star Slots

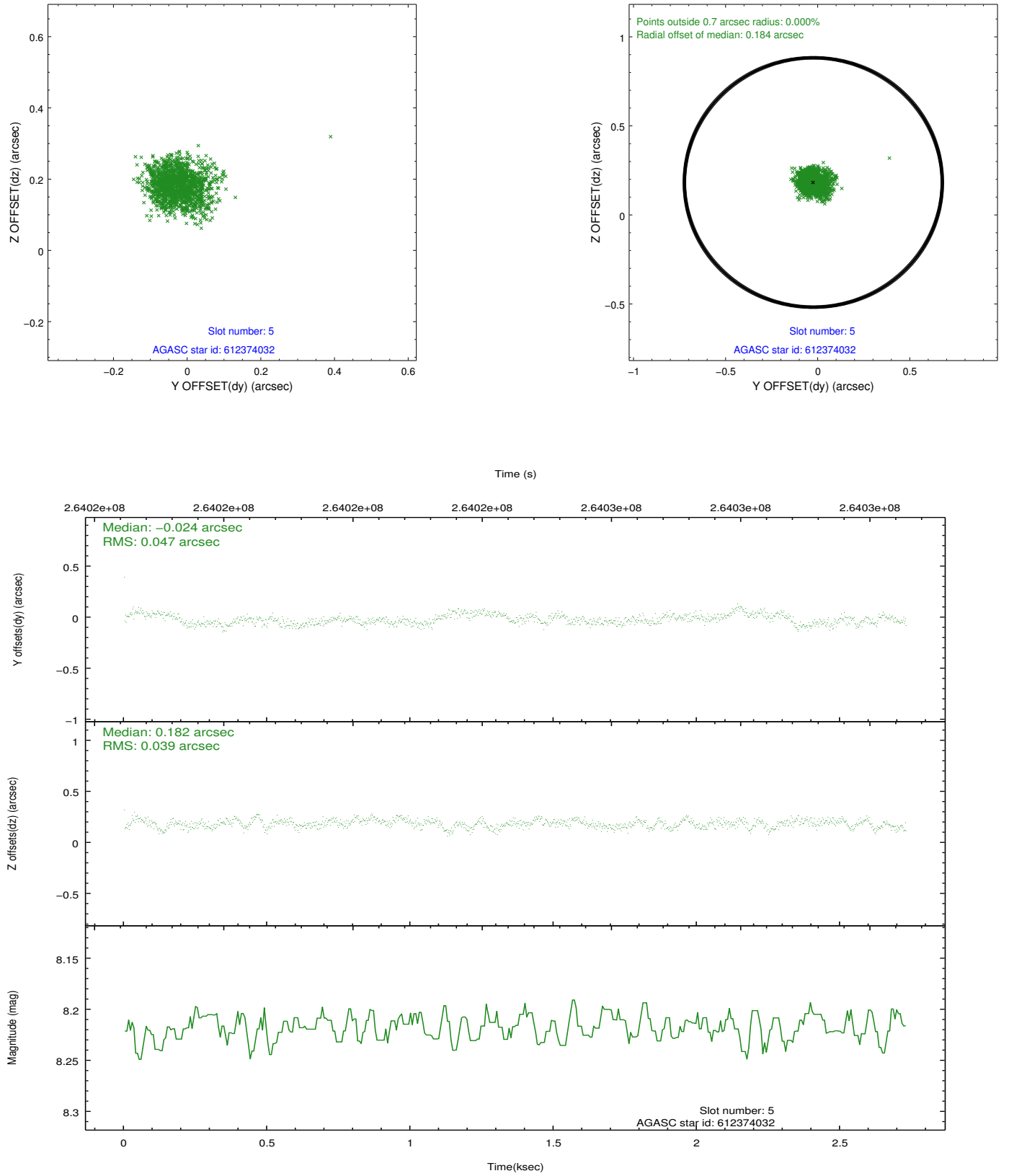
### 2.4.1 Slot 3



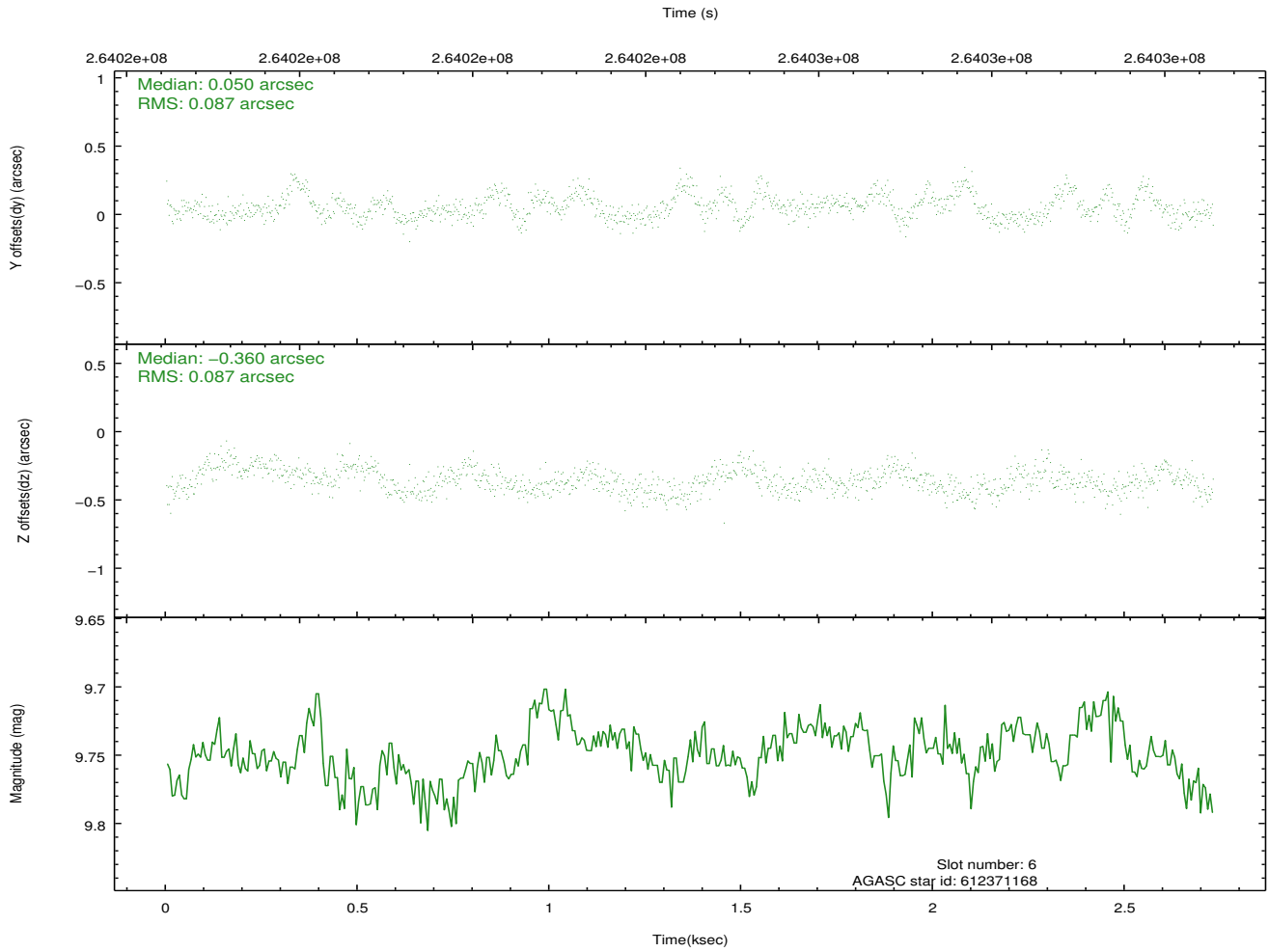
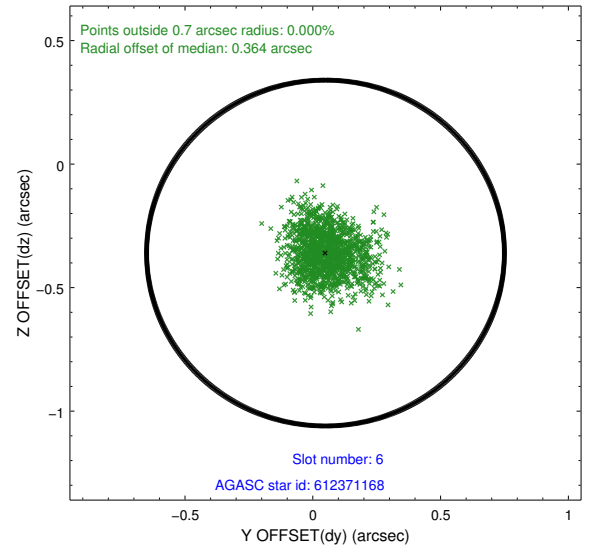
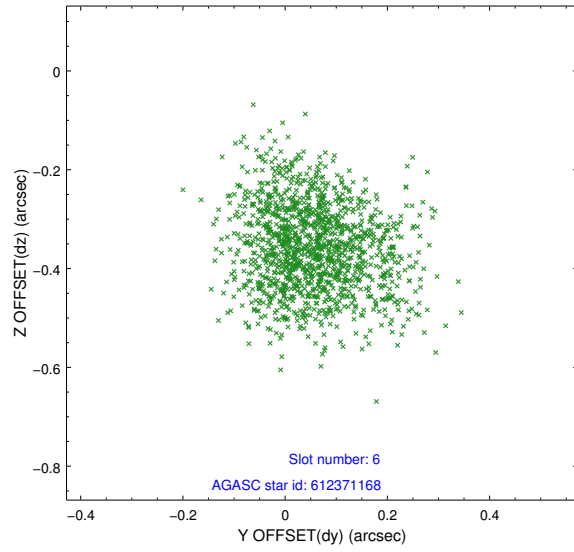
## 2.4.2 Slot 4



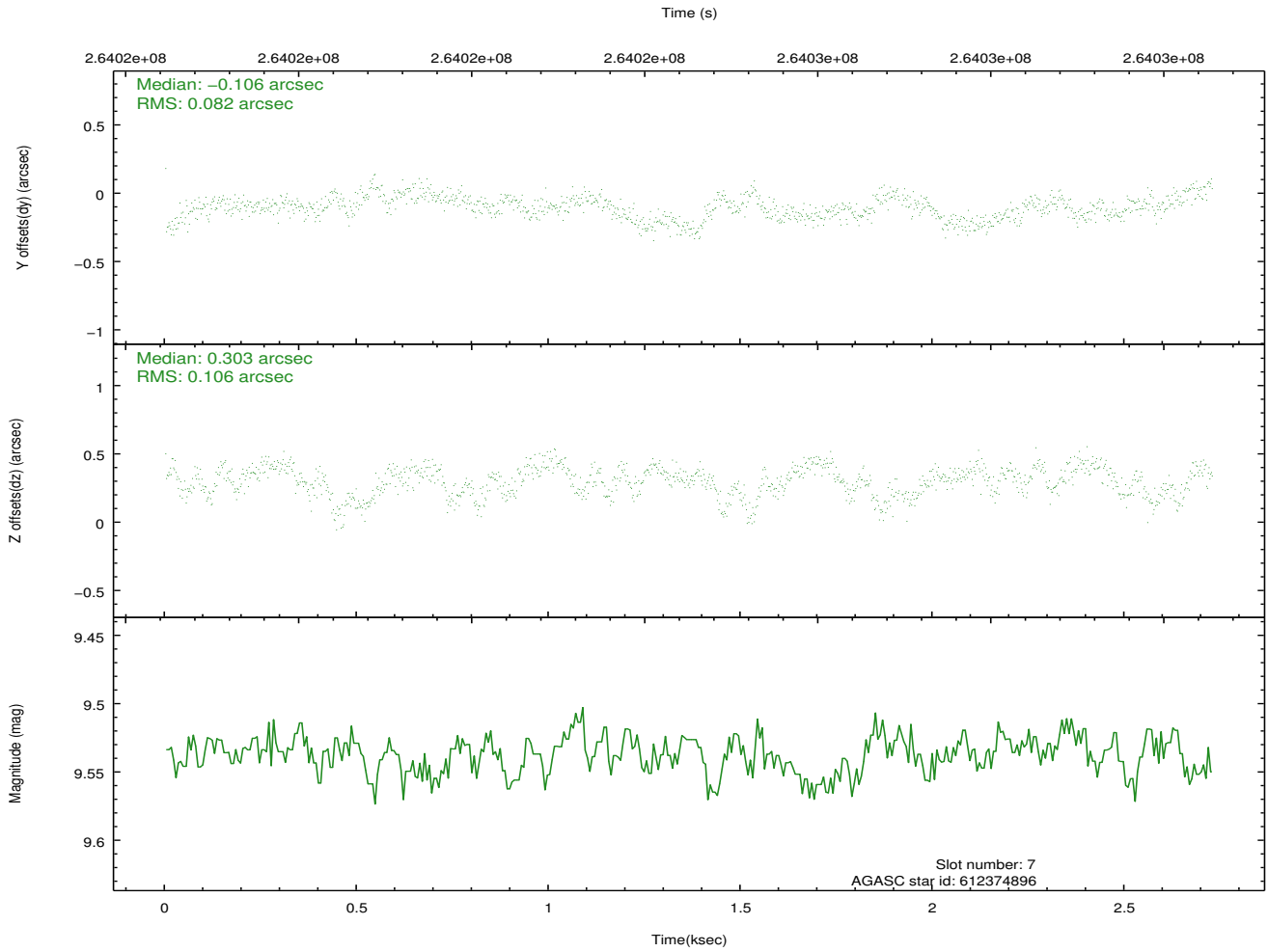
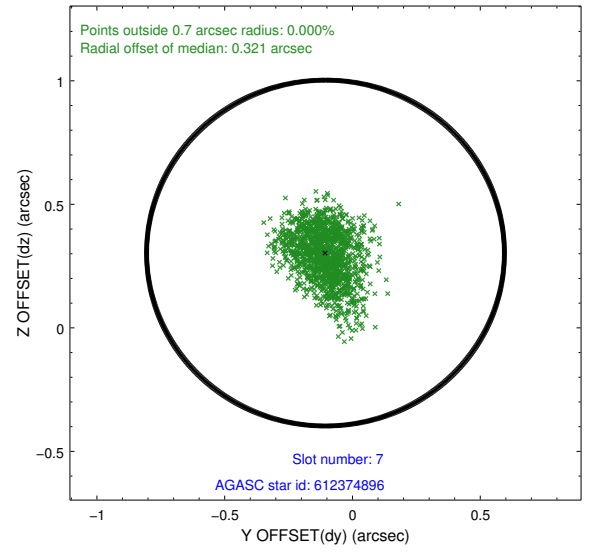
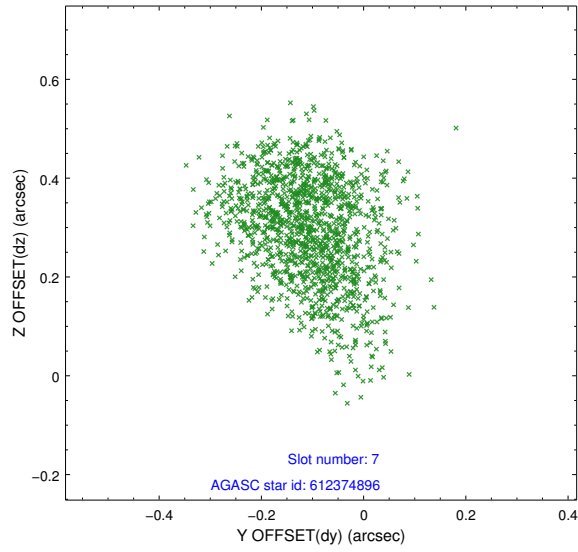
### 2.4.3 Slot 5



## 2.4.4 Slot 6

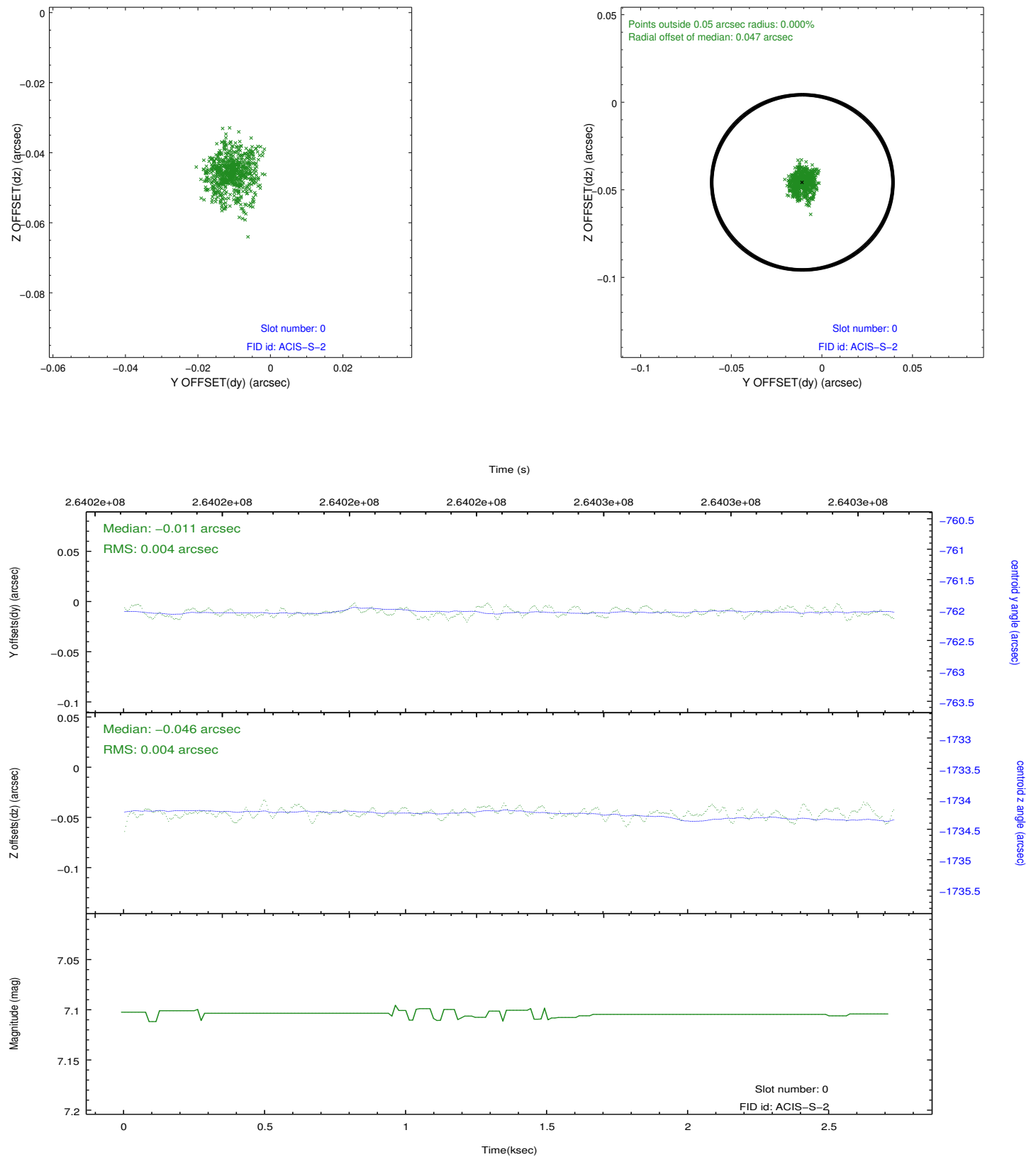


## 2.4.5 Slot 7

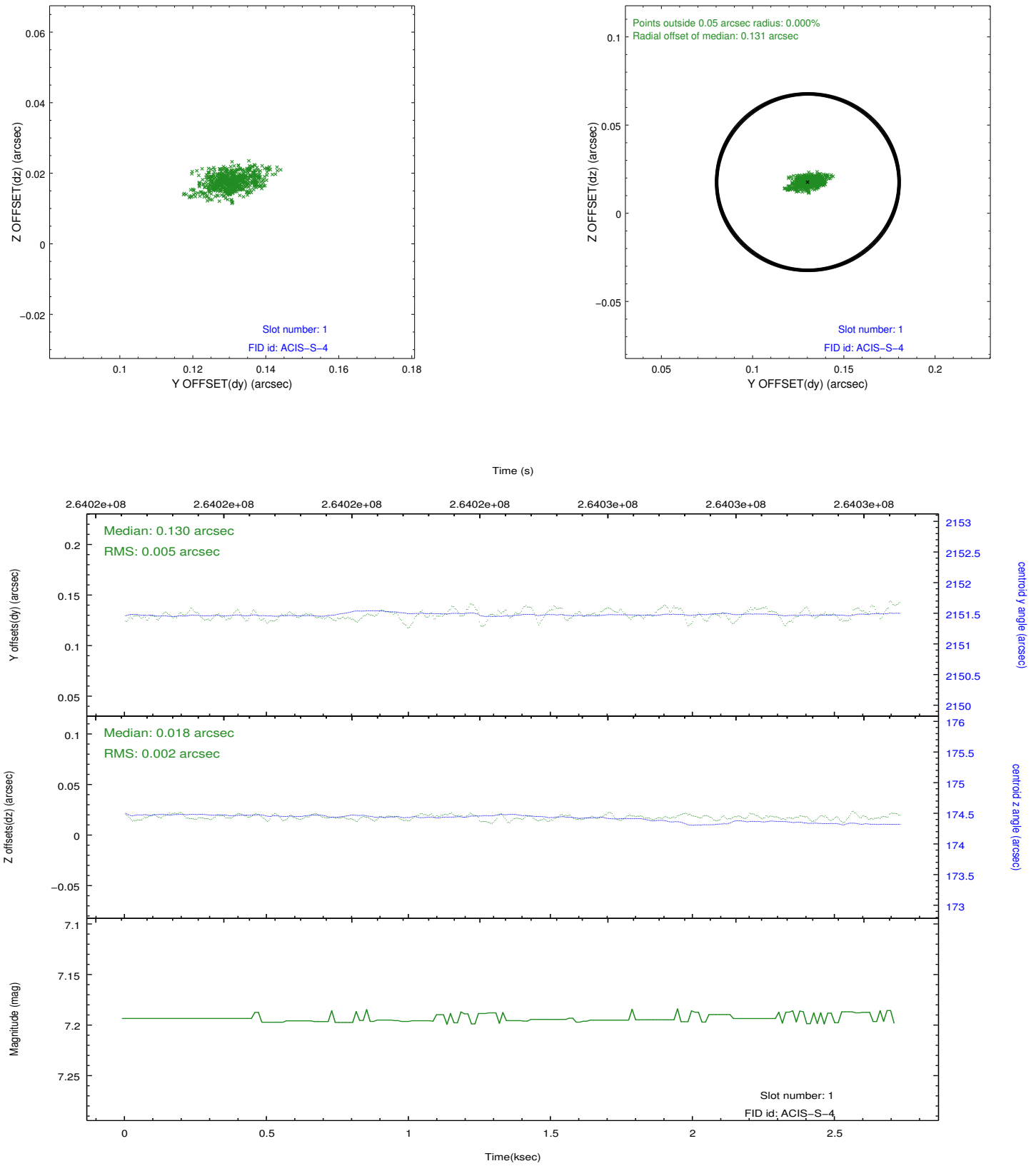


## 2.5 FID Slots

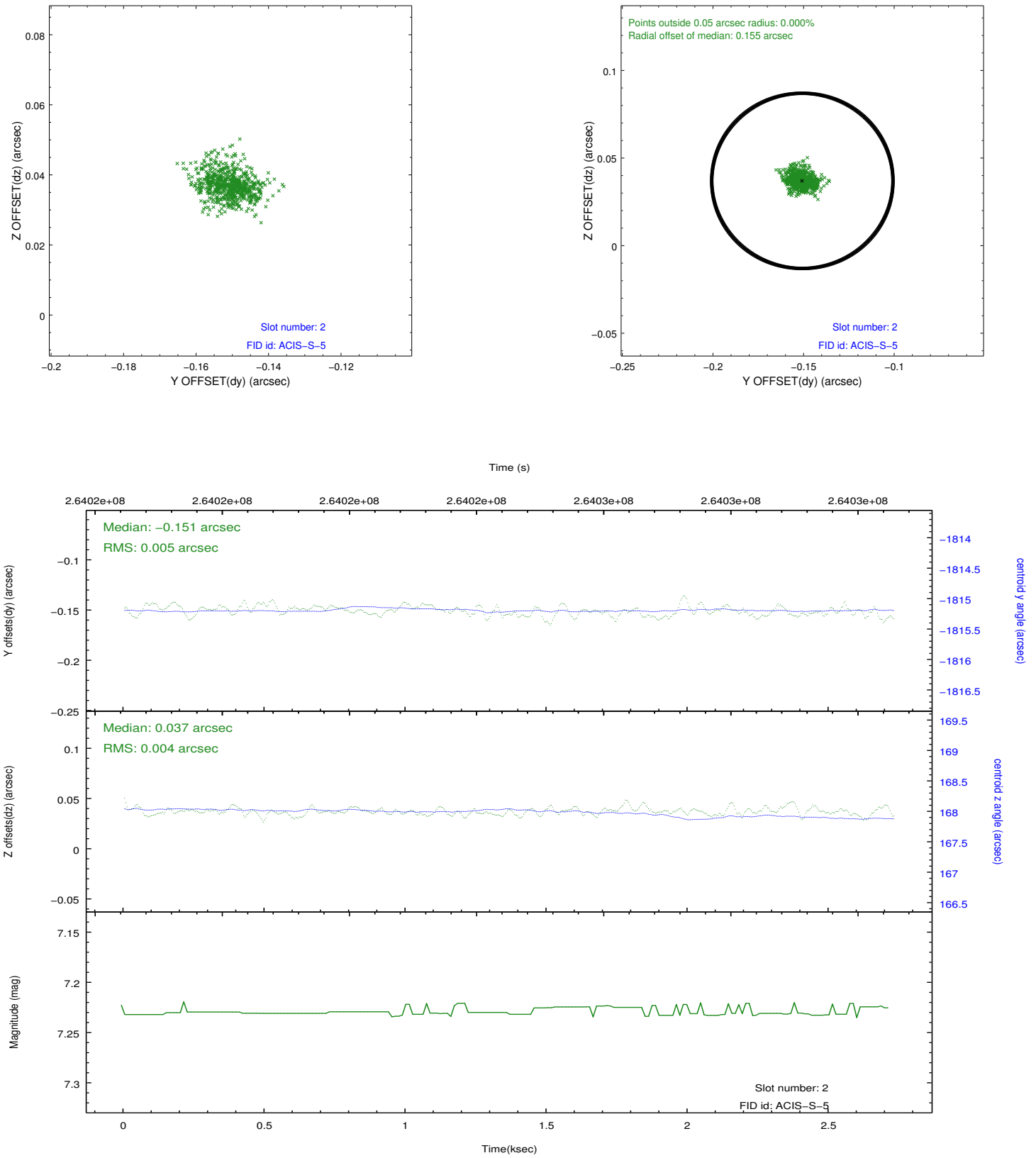
### 2.5.1 Slot 0



## 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)	2012.04.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.04159999

### A.2 Comments