

# V&V Reference Report

## L2 ASCDS Version : 8.4.3

Observation 6574 - L2 Version 2  
Chandra X-Ray Center

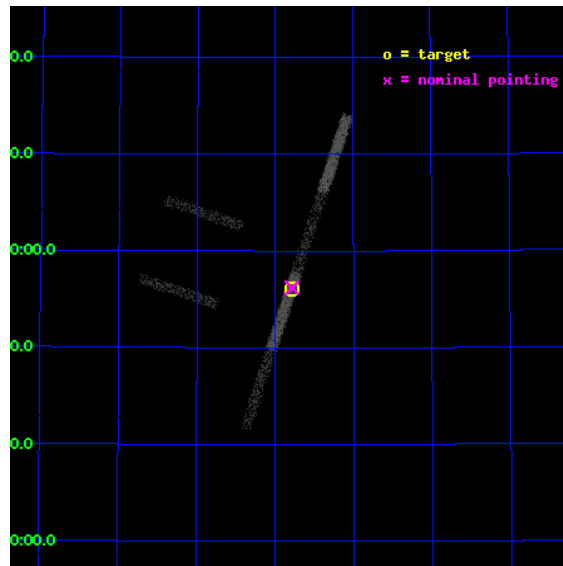
L2 Processing Date : Apr 2 2012

## 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

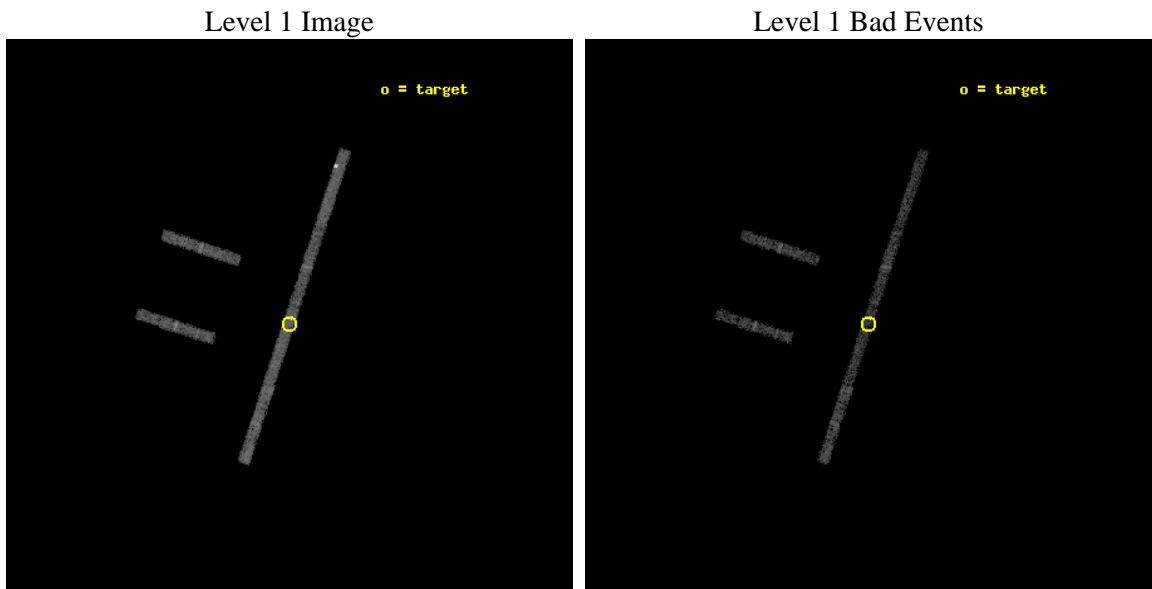
seq_num	400479	Sequence number
obs_id	6574	Observation id
title	Understanding the nature of 1RXS J212746.7+565606	Proposal title
observer	Prof Mariano Mendez	Principal investigator
object	1RXS J212746.7+565606	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	321.944583	Observer's specified target RA [deg]
dec_targ	56.935	Observer's specified target Dec [deg]
ra_nom	321.94670122628	Nominal RA [deg]
dec_nom	56.936713441905	Nominal Dec [deg]
roll_nom	108.22678713403	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3148.5999463797	Sum of GTIs [s]
livetime	2974.2253622824	Livetime [s]
ontime2	3148.5999463797	Sum of GTIs [s]
ontime3	3148.5999463797	Sum of GTIs [s]
ontime5	3148.5999463797	Sum of GTIs [s]
ontime6	3148.5999463797	Sum of GTIs [s]
ontime7	3148.5999463797	Sum of GTIs [s]
ontime8	3148.5999463797	Sum of GTIs [s]
l2events	9736	Number of level 2 events



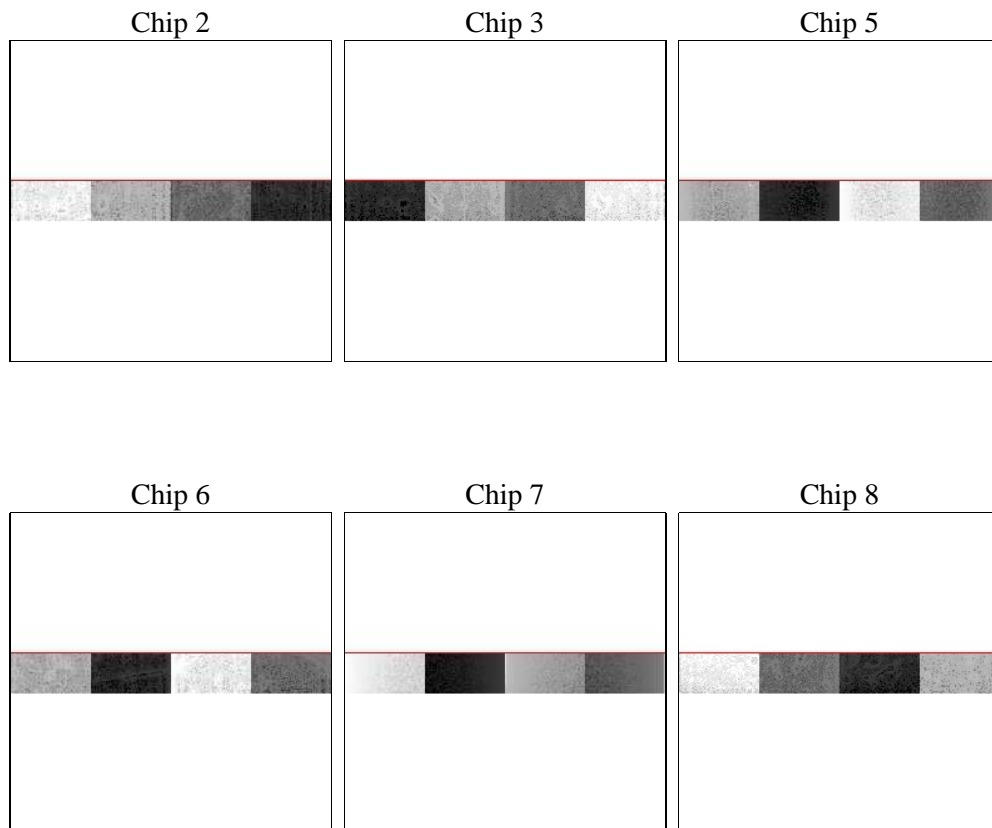
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	3148.5999463797	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime2	3148.5999463797	Sum of GTIs [s]
date	2012-04-02T03:11:52	Date and time of file creation	ontime3	3148.5999463797	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3148.5999463797	Sum of GTIs [s]
			ontime6	3148.5999463797	Sum of GTIs [s]
			ontime7	3148.5999463797	Sum of GTIs [s]
			ontime8	3148.5999463797	Sum of GTIs [s]
			l1events	45110	Number of level 1 events

### 2.1.4 Events

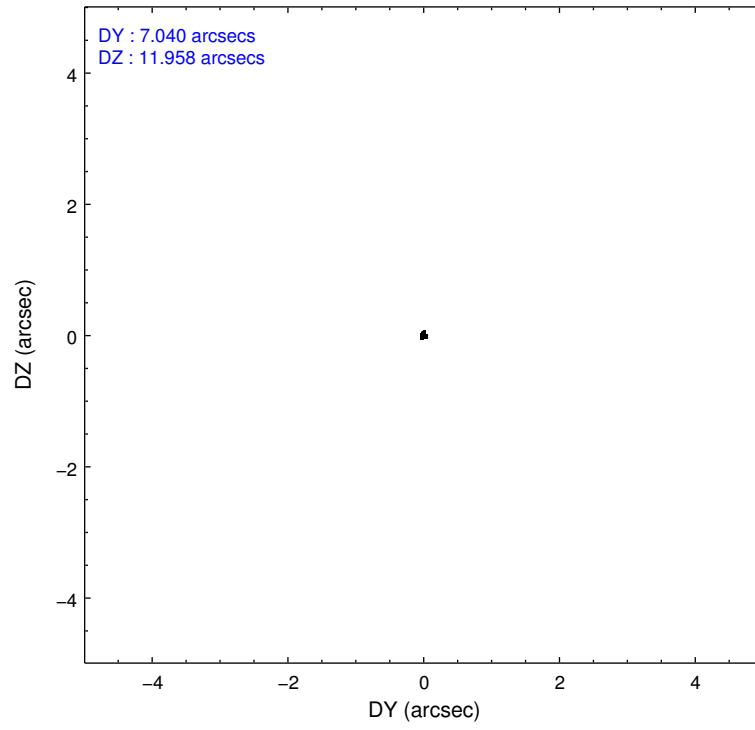
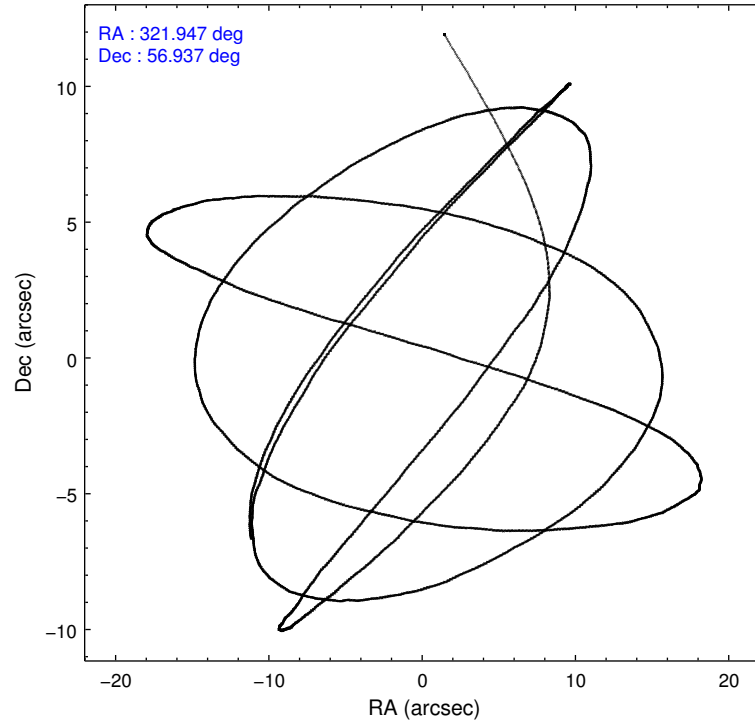
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	5583	5304	11349	4944	10444	7486
rejected events	5045	4771	4550	4430	4919	6202
rejected %	90%	89%	40%	89%	47%	82%

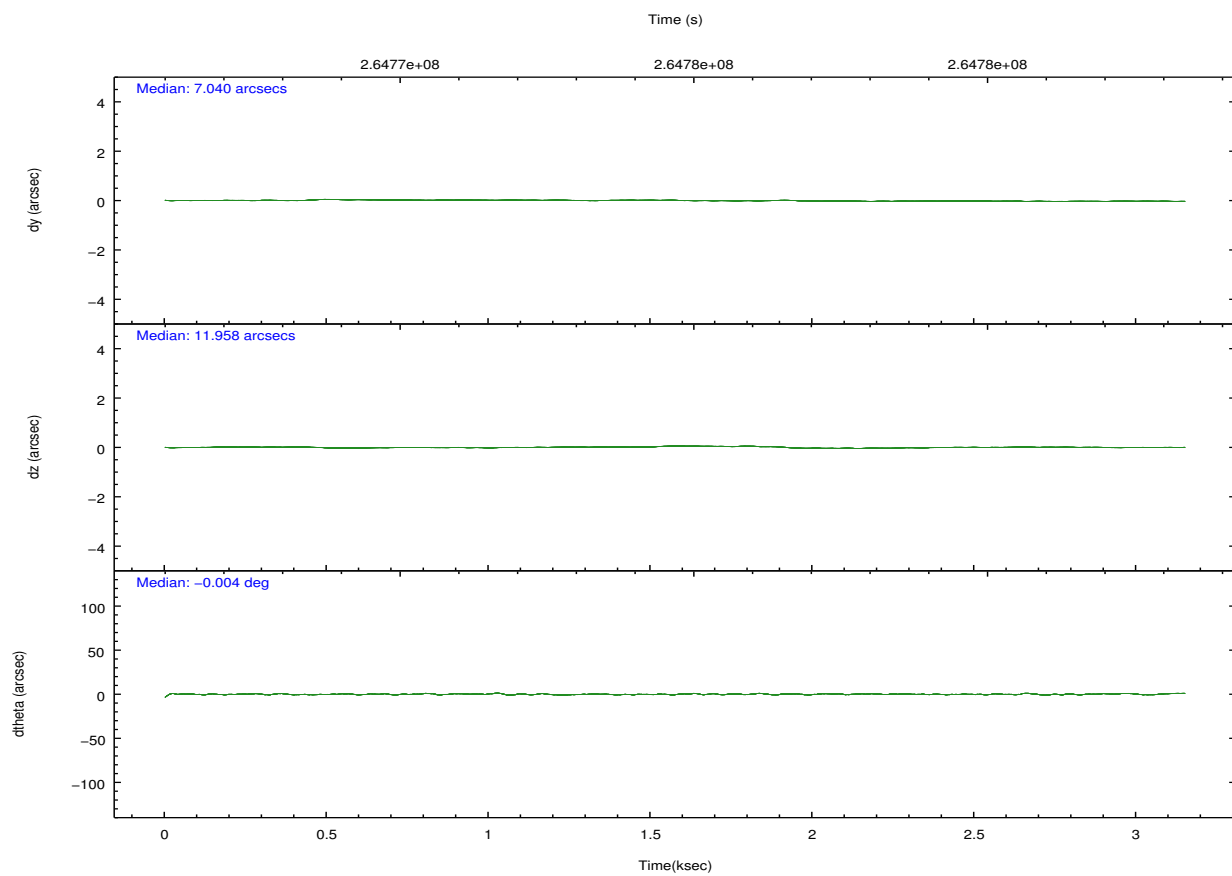
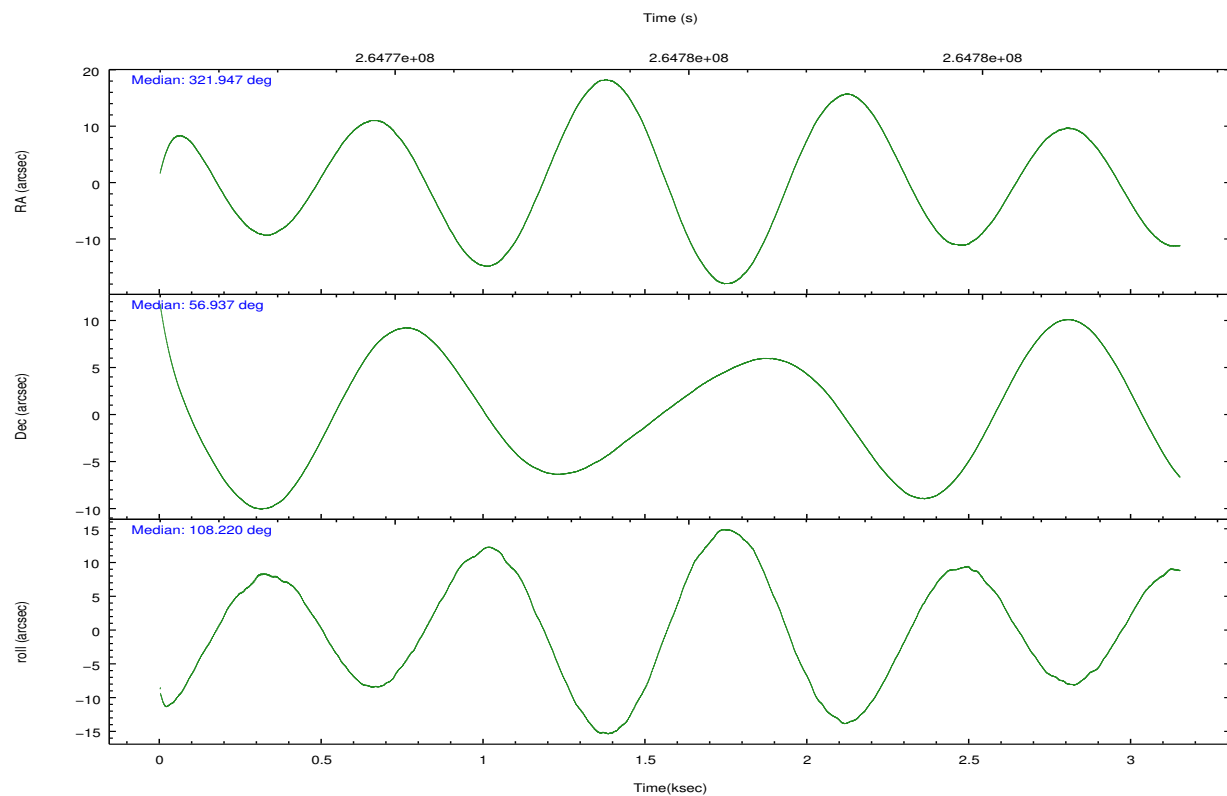
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	230	213	3372	188	883	413
	4%	4%	29%	3%	8%	5%
grade 1 events	2	1	17	1	62	5
	0%	0%	0%	0%	0%	0%
grade 2 events	112	87	2479	99	1262	270
	2%	1%	21%	2%	12%	3%
grade 3 events	109	101	198	89	638	175
	1%	1%	1%	1%	6%	2%
grade 4 events	85	99	220	94	613	171
	1%	1%	1%	1%	5%	2%
grade 5 events	177	205	553	167	871	249
	3%	3%	4%	3%	8%	3%
grade 6 events	84	95	1534	110	2647	430
	1%	1%	13%	2%	25%	5%
grade 7 events	4784	4503	2976	4196	3468	5773
	85%	84%	26%	84%	33%	77%

## 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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	321.984432	321.9467012262787	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	56.918840	56.93671344190476	Subarray start row	449	449
[deg] Pointing Roll	108.038574	108.2267871340252	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	0.7
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	264773512.184000	264772496.06352			
Observation start date	2006-05-23T12:10:47	2006-05-23T11:54:56			
[s] Observation end time (MET)	264776512.184000	264776986.07623			
Observation end date	2006-05-23T13:00:47	2006-05-23T13:09:46			
Read mode	TIMED	TIMED			

## 2.3 Aspect





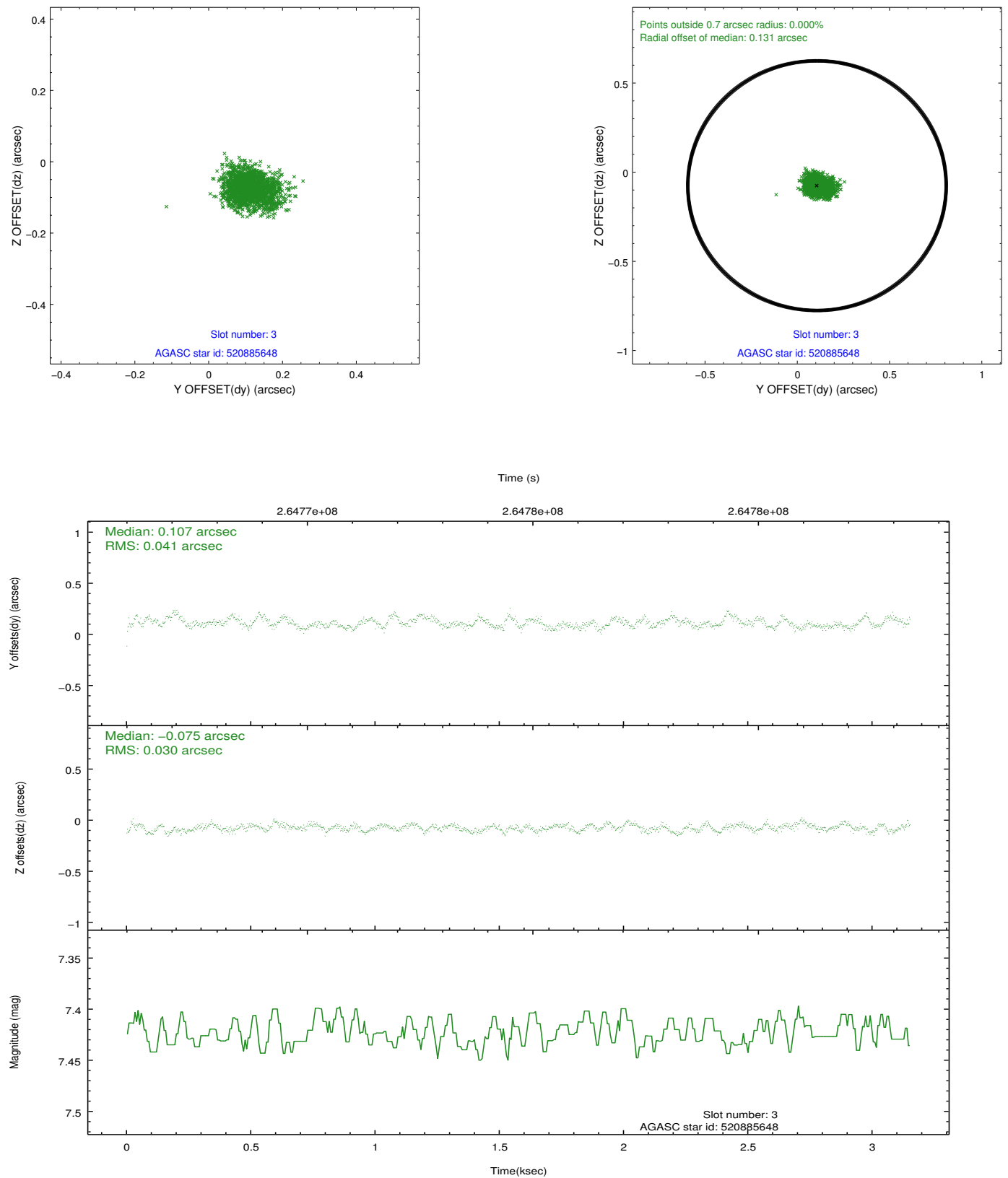
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	769	0.058	-0.087	0.006	0.011	0.000000	0.000000	936.27	-1728.99
1	FID	ACIS-S-2	7.10	769	-0.047	0.010	0.006	0.010	0.000000	0.000000	-758.61	-1735.50
2	FID	ACIS-S-6	7.34	769	-0.031	0.081	0.006	0.010	0.000000	0.000000	400.97	810.43
3	GUIDE	520885648	7.42	1538	0.107	-0.075	0.054	0.088	321.552259	56.509034	-1134.29	1272.26
4	GUIDE	520887472	7.51	1538	0.025	-0.158	0.053	0.086	322.102957	56.391138	-1879.99	364.33
5	GUIDE	520884752	7.63	1537	-0.057	-0.060	0.054	0.089	320.535461	57.334728	2322.41	2204.38
6	GUIDE	520883640	7.40	1538	-0.040	0.158	0.067	0.100	322.910028	57.502591	1457.33	-2354.86
7	GUIDE	521022224	8.16	1536	-0.038	0.134	0.063	0.099	323.354177	56.559755	-2043.51	-2193.32

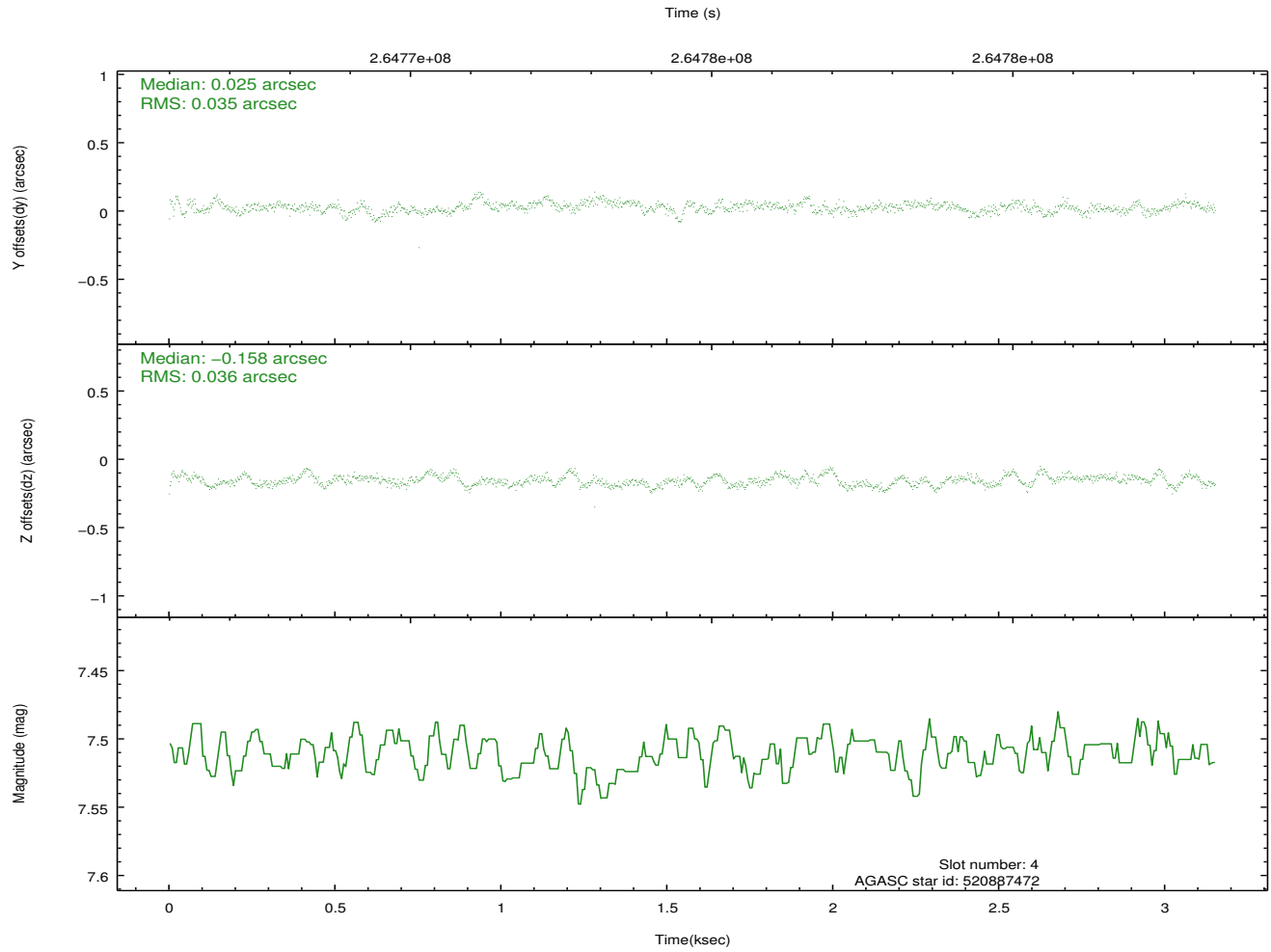
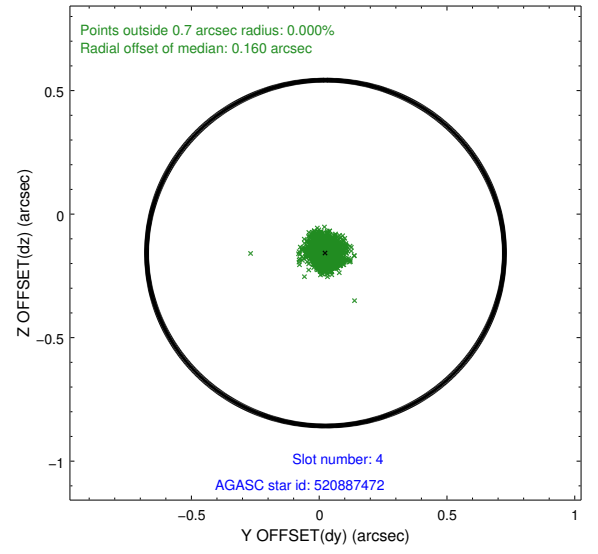
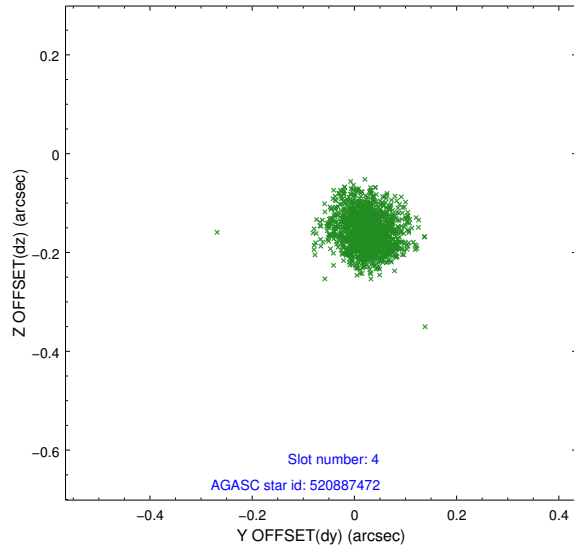


## 2.4 Star Slots

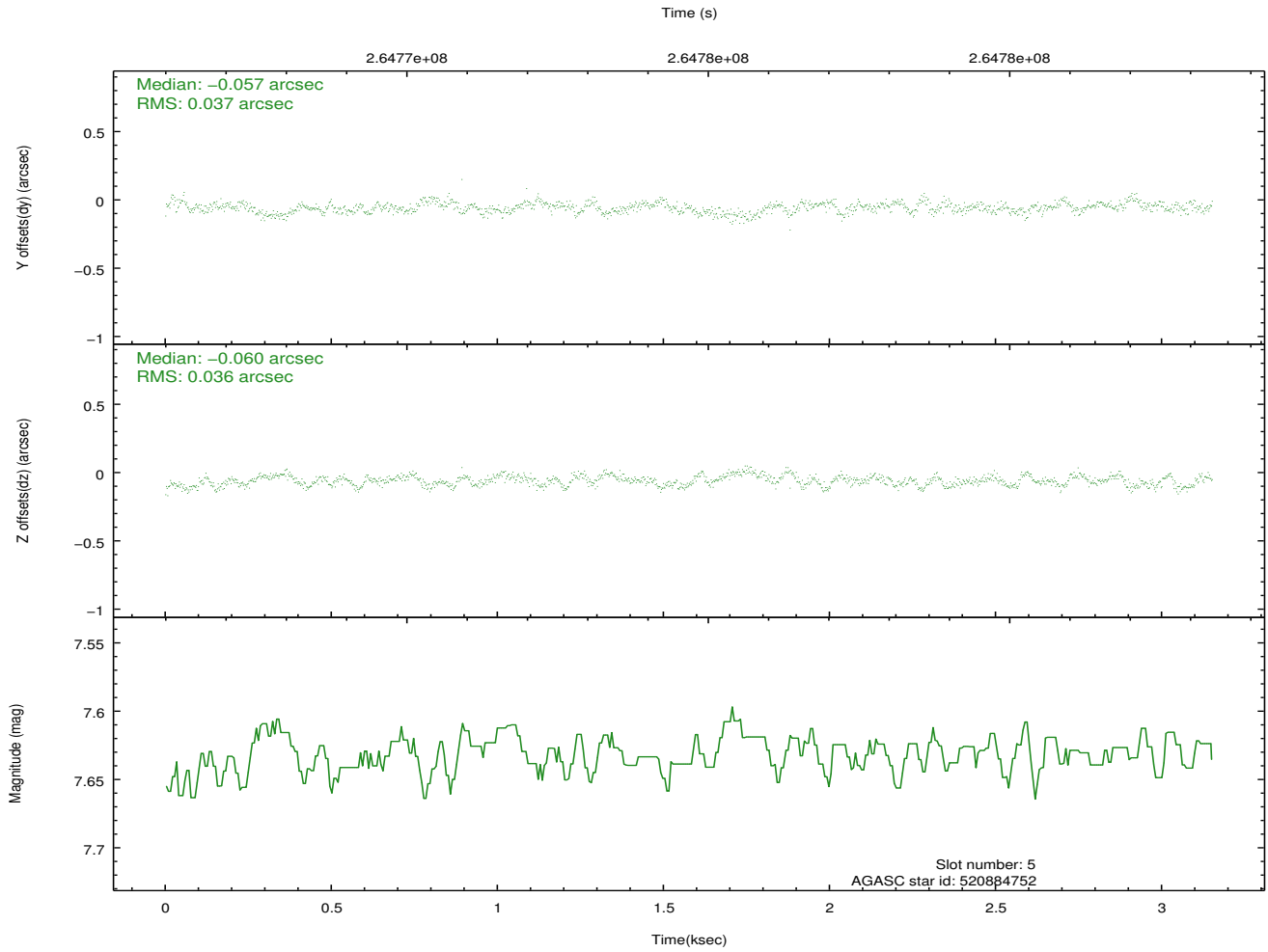
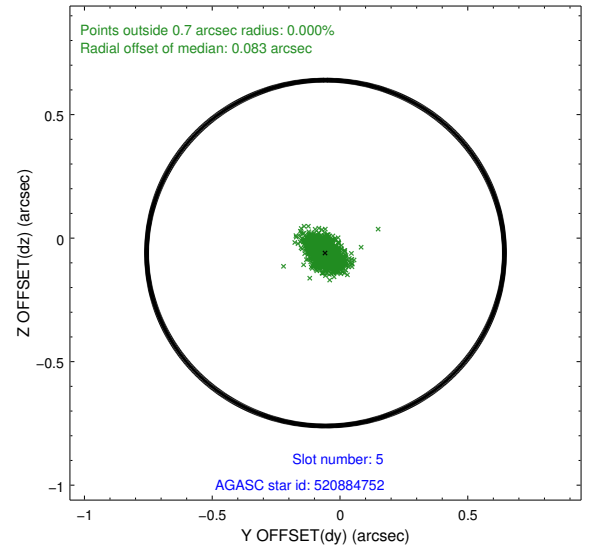
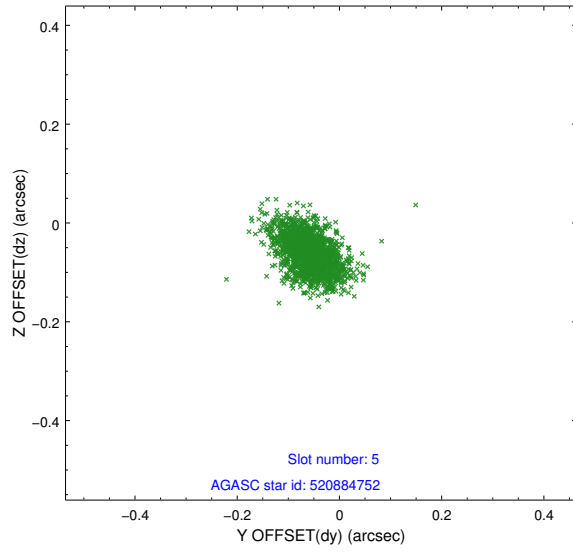
### 2.4.1 Slot 3



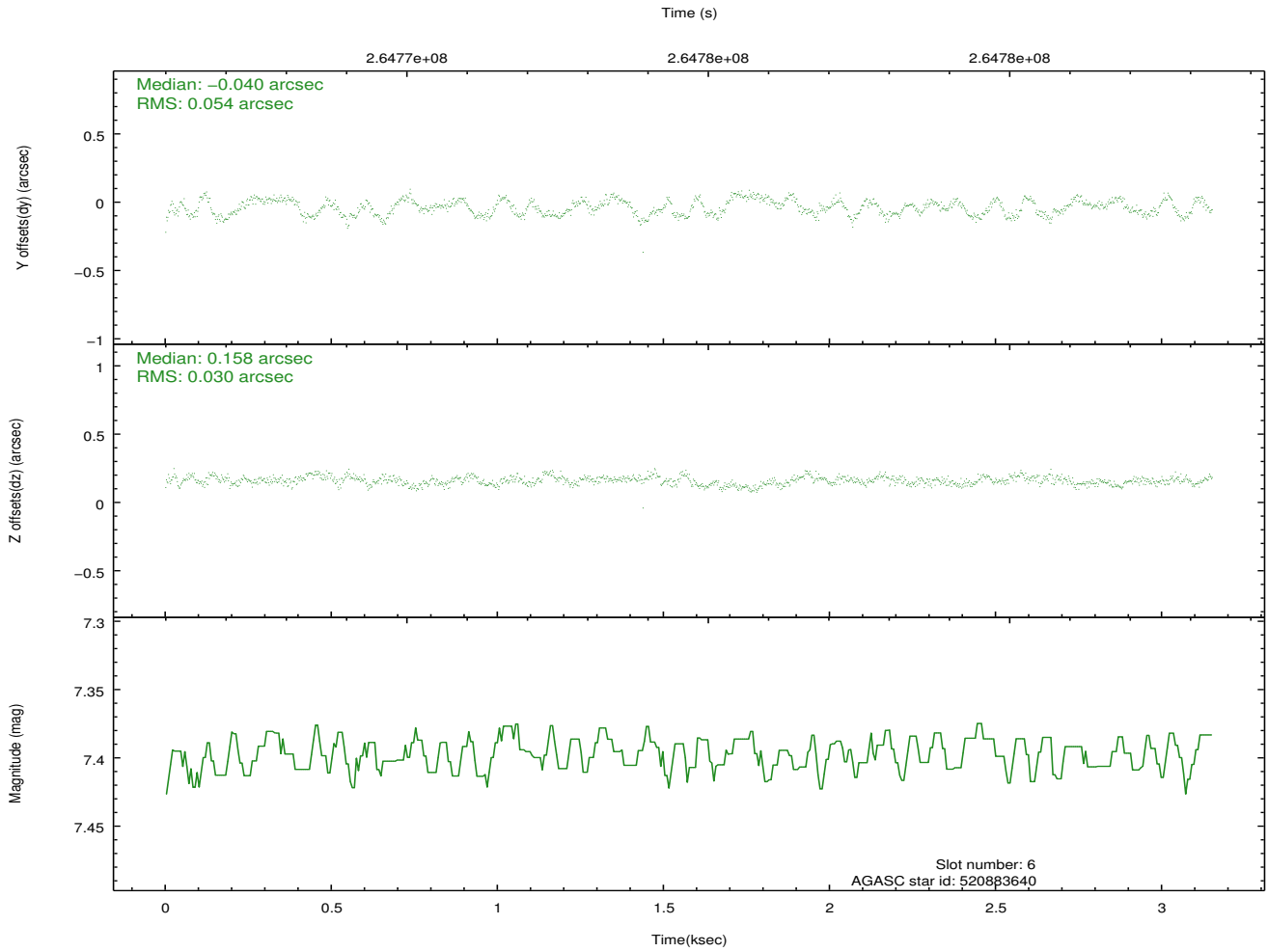
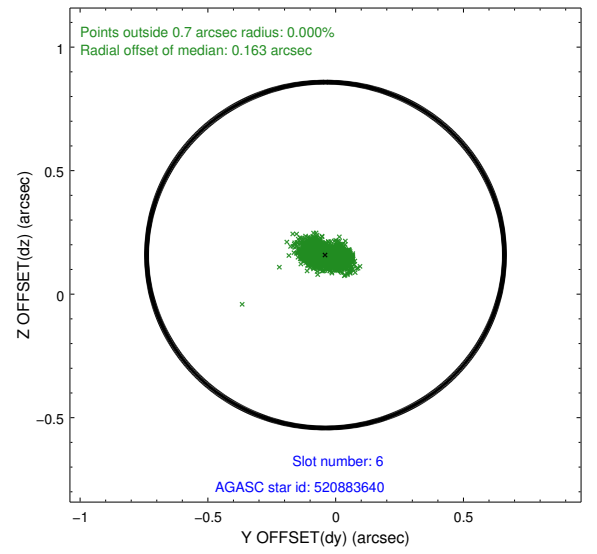
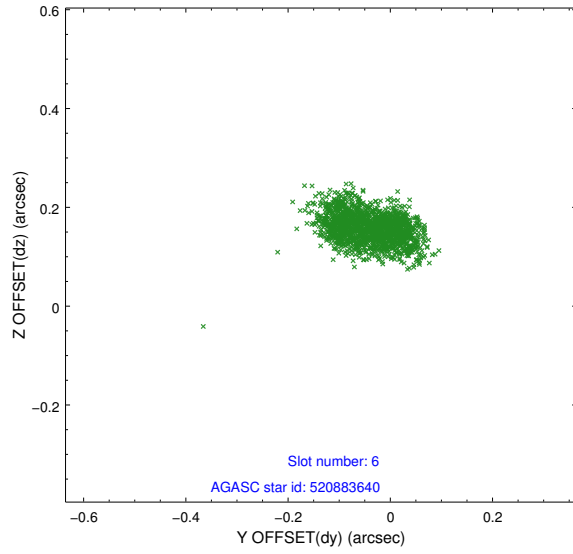
## 2.4.2 Slot 4



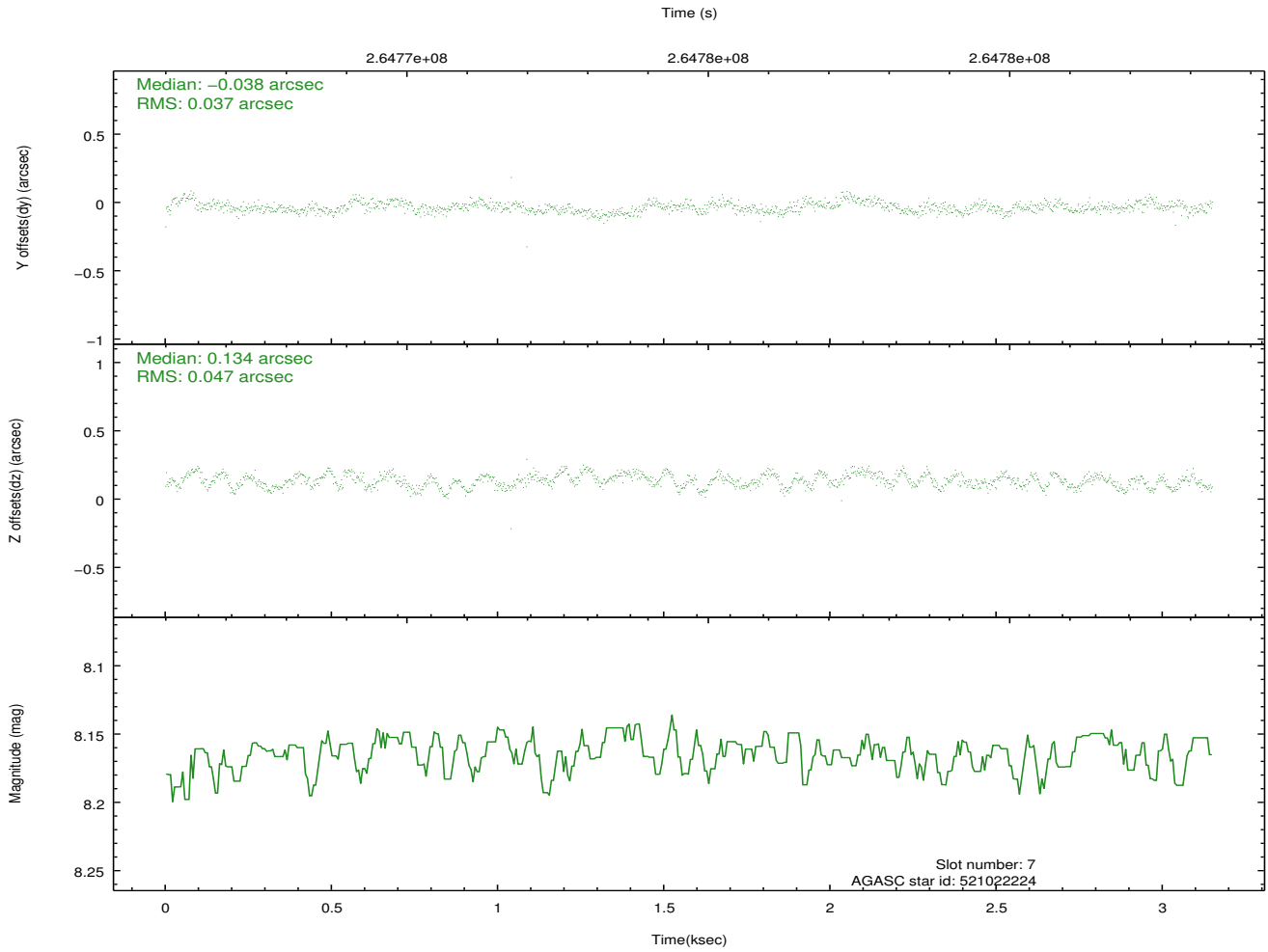
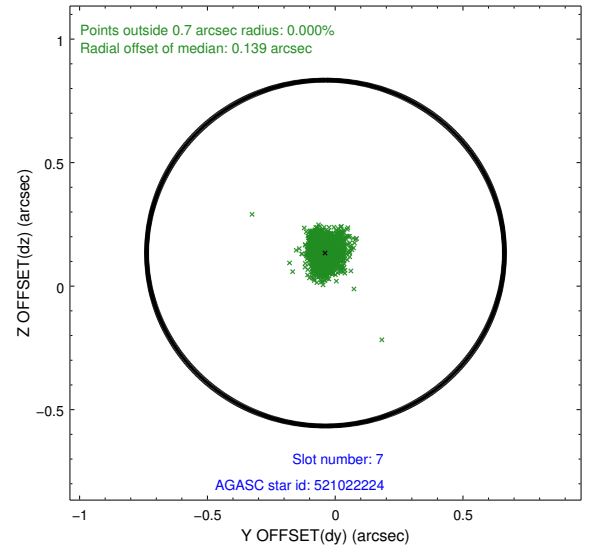
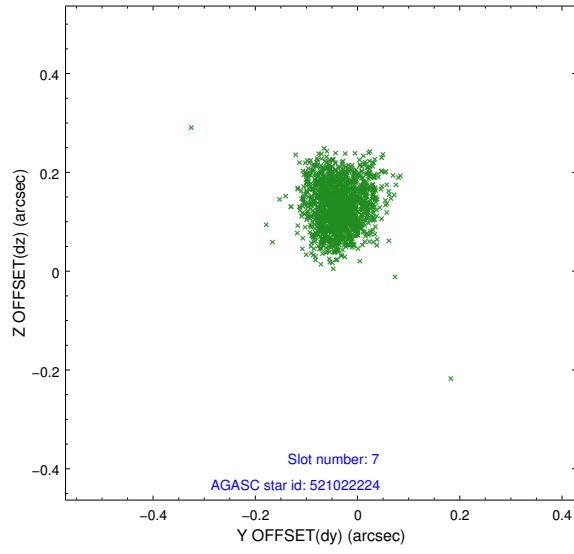
### 2.4.3 Slot 5



## 2.4.4 Slot 6

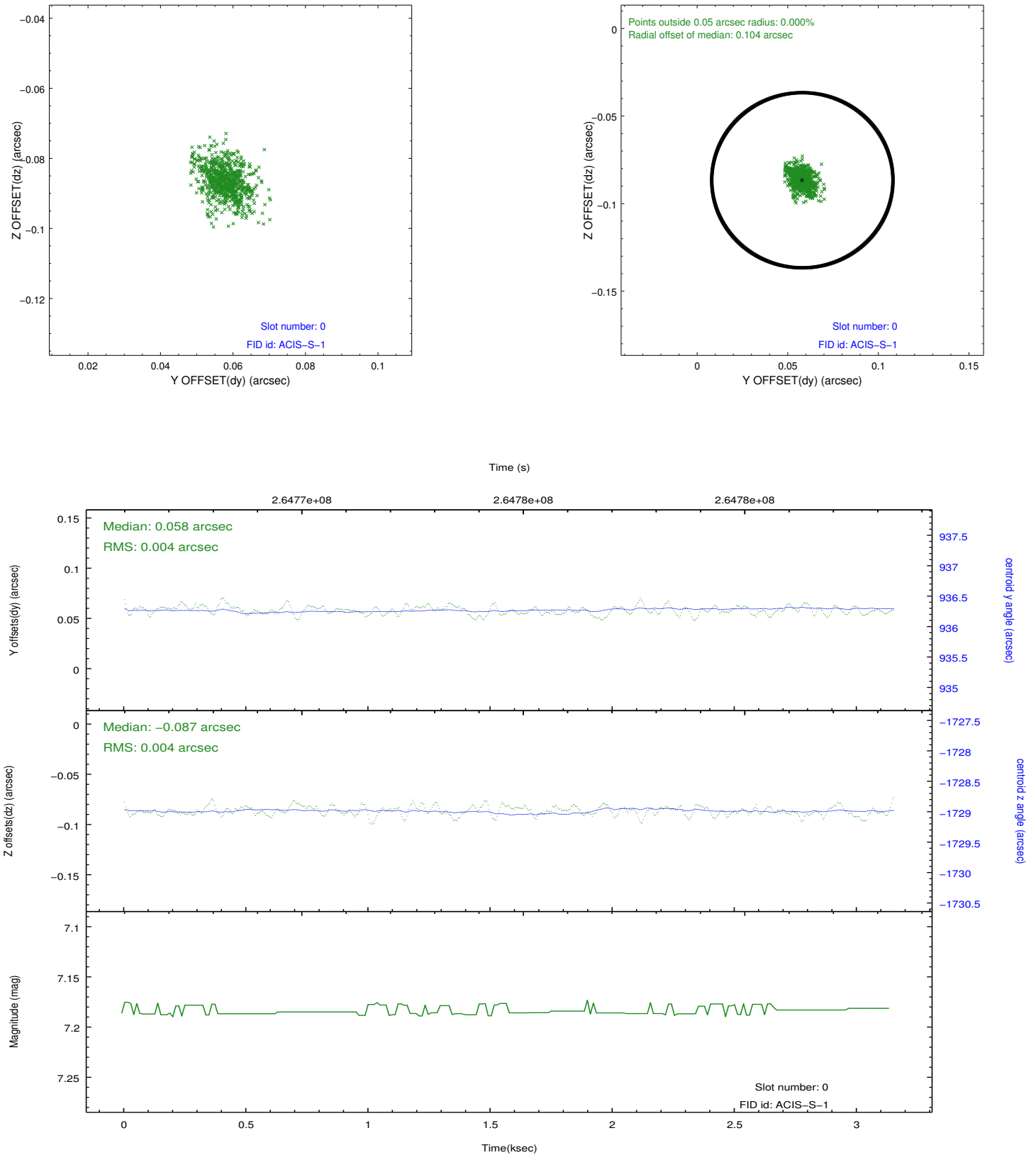


## 2.4.5 Slot 7

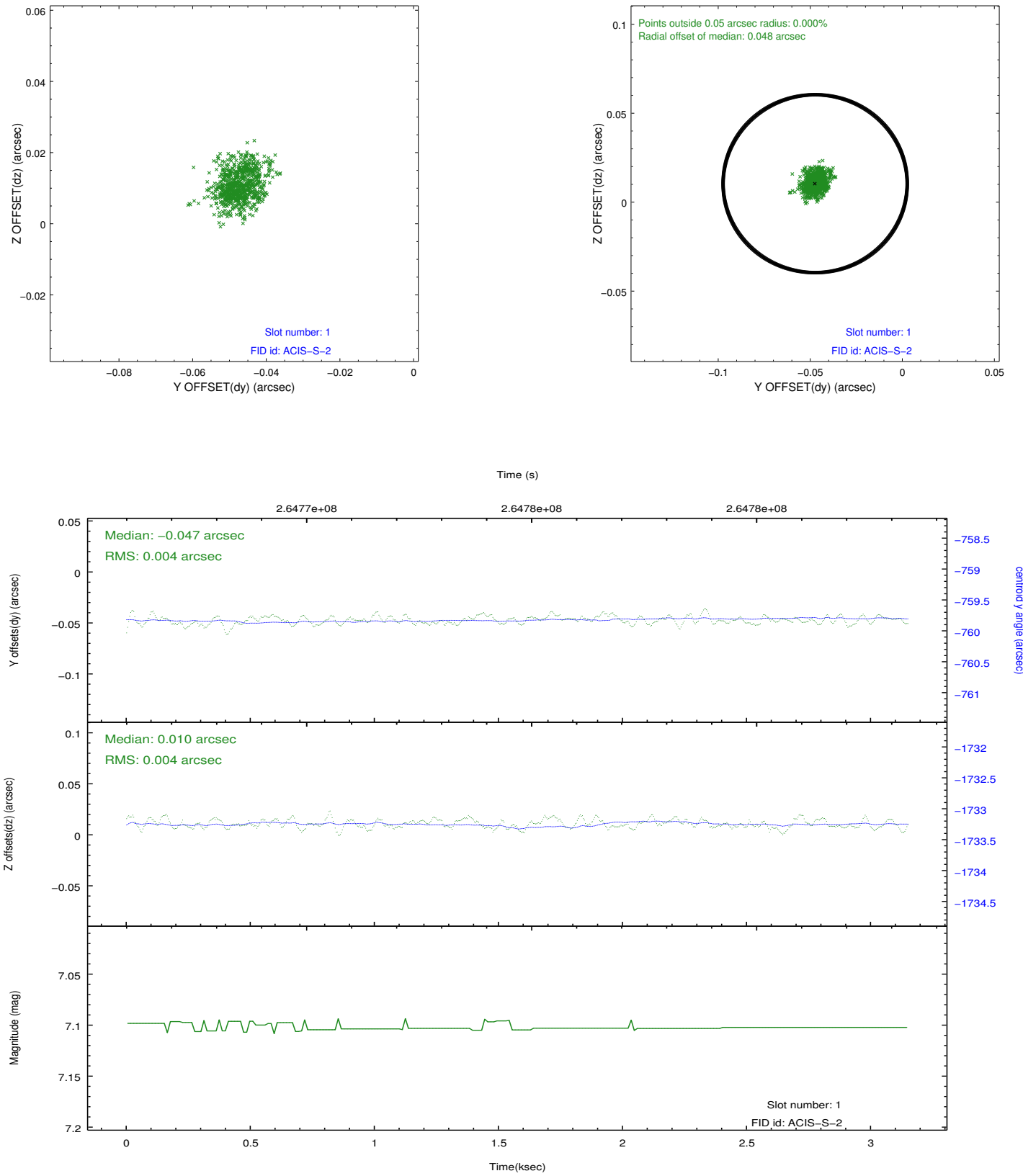


## 2.5 FID Slots

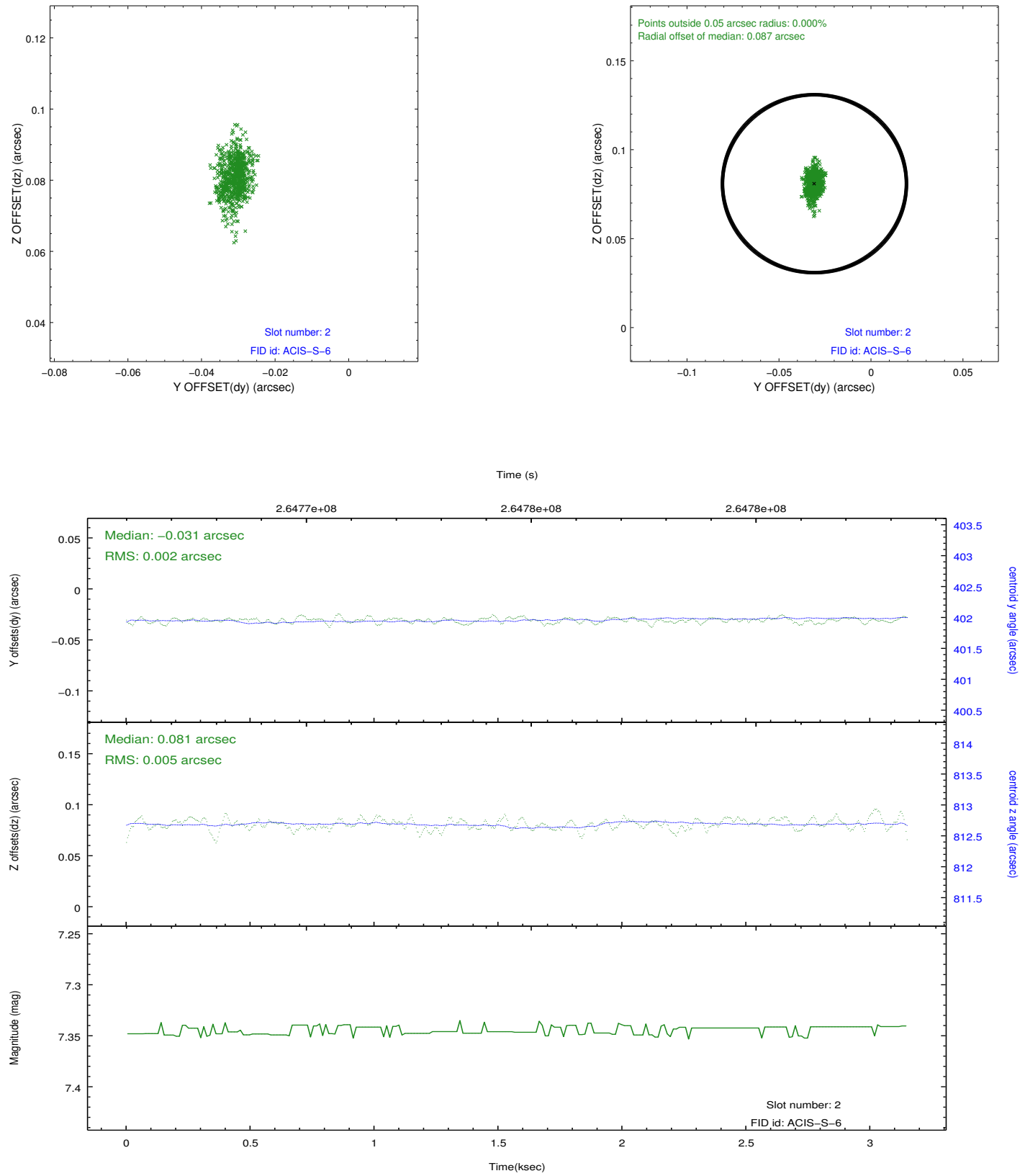
### 2.5.1 Slot 0



## 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)	2012.04.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.14859994

### A.2 Comments