

# V&V Reference Report

## L2 ASCDS Version : 8.4.4

Observation 9195 - L2 Version 2  
Chandra X-Ray Center

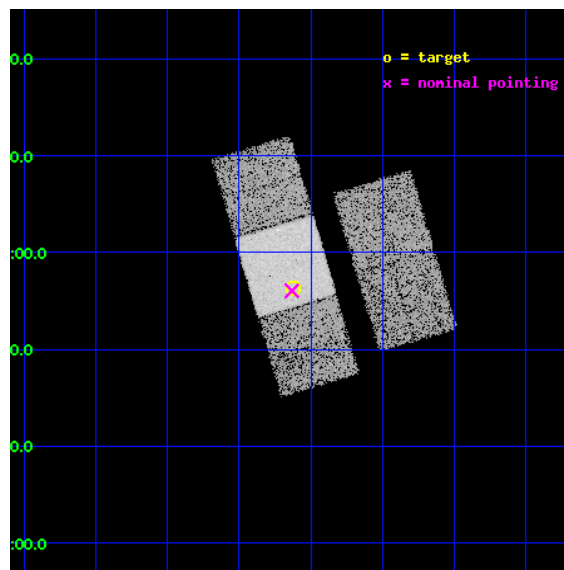
L2 Processing Date : May 12 2012

## 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

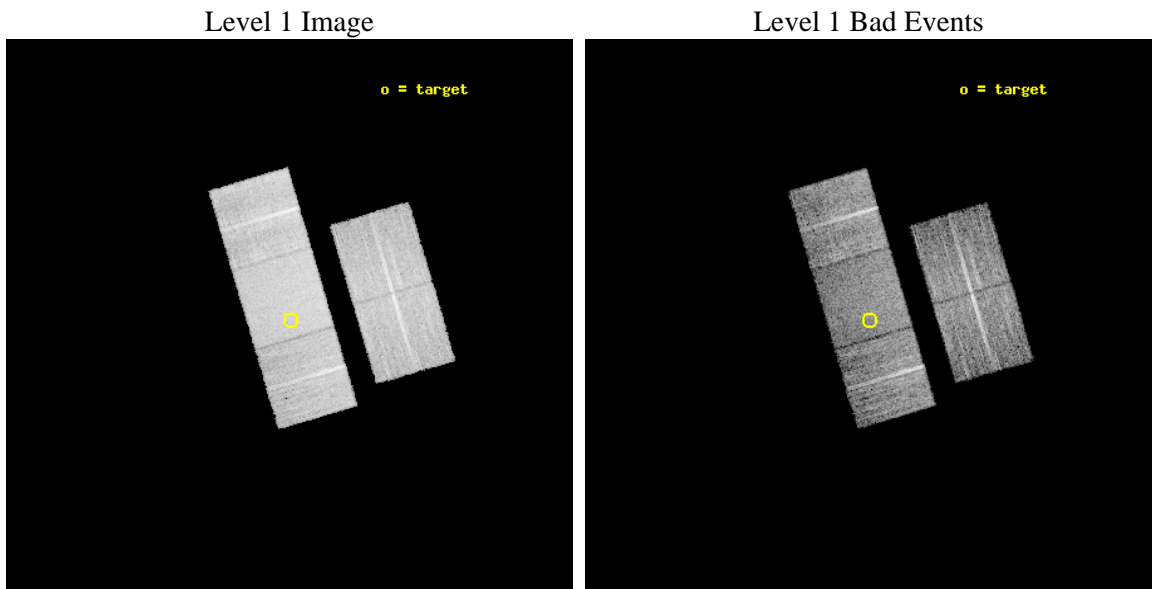
seq_num	701637	Sequence number
obs_id	9195	Observation id
title	Lower Luminosity AGNs at Cosmologically Interesting Redshifts: SEDs and Accretion Rates of z~0.36 Seyferts	Proposal title
observer	Dr. Sarah Gallagher	Principal investigator
object	S16	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	169.906667	Observer's specified target RA [deg]
dec_targ	0.939	Observer's specified target Dec [deg]
ra_nom	169.9079556151	Nominal RA [deg]
dec_nom	0.93422591601175	Nominal Dec [deg]
roll_nom	253.47562801807	Nominal Roll [deg]
revision	2	Processing version of data
ontime	7483.4000575542	Sum of GTIs [s]
livetime	7385.6239266033	Livetime [s]
ontime2	7483.4000575542	Sum of GTIs [s]
ontime3	7483.4000575542	Sum of GTIs [s]
ontime6	7483.4000575542	Sum of GTIs [s]
ontime7	7483.4000575542	Sum of GTIs [s]
ontime8	7480.2590972185	Sum of GTIs [s]
l2events	70572	Number of level 2 events



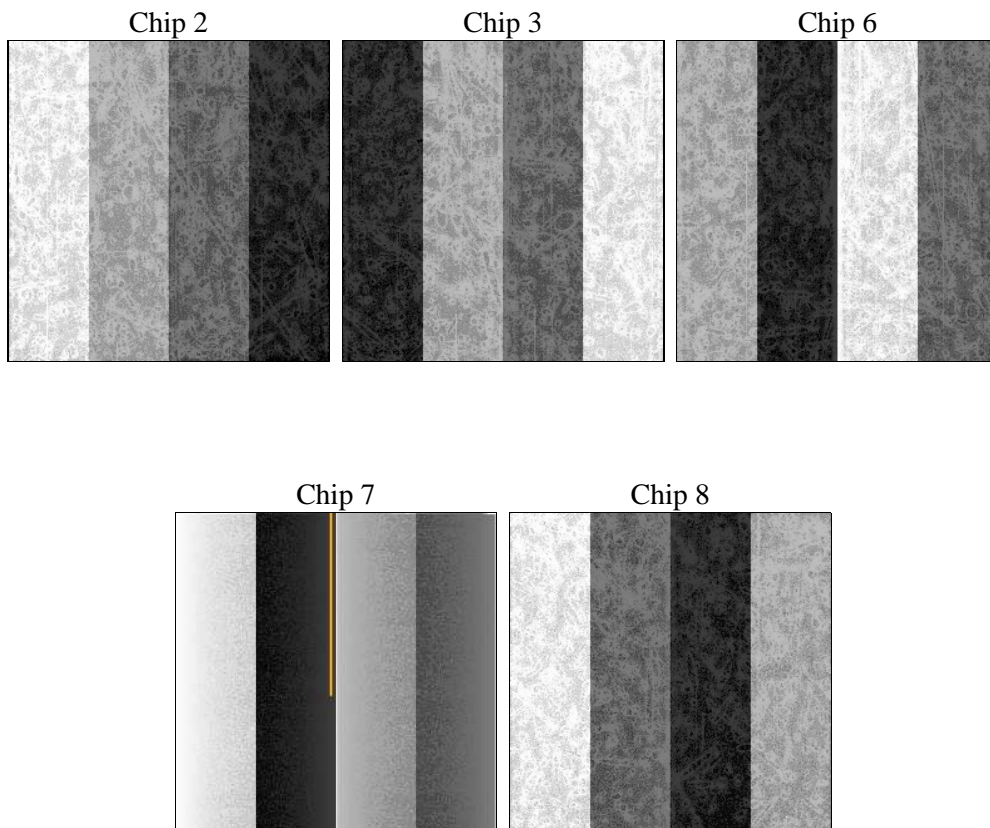
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7300.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	7483.4000575542	Sum of GTIs [s]
caldsver	4.4.9	&#160	ontime2	7483.4000575542	Sum of GTIs [s]
date	2012-05-12T13:21:36	Date and time of file creation	ontime3	7483.4000575542	Sum of GTIs [s]
revision	2	Processing version of data	ontime6	7483.4000575542	Sum of GTIs [s]
			ontime7	7483.4000575542	Sum of GTIs [s]
			ontime8	7480.2590972185	Sum of GTIs [s]
			l1events	413960	Number of level 1 events

### 2.1.4 Events

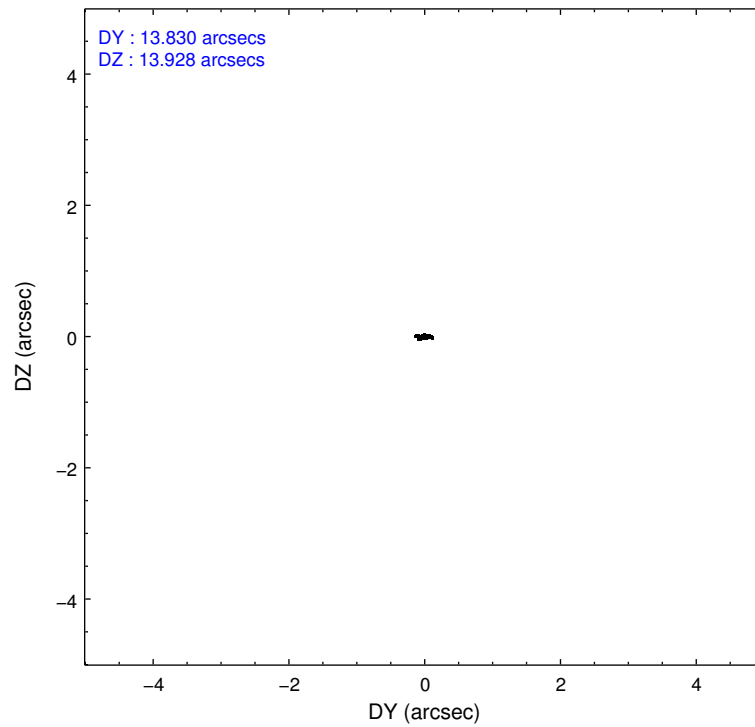
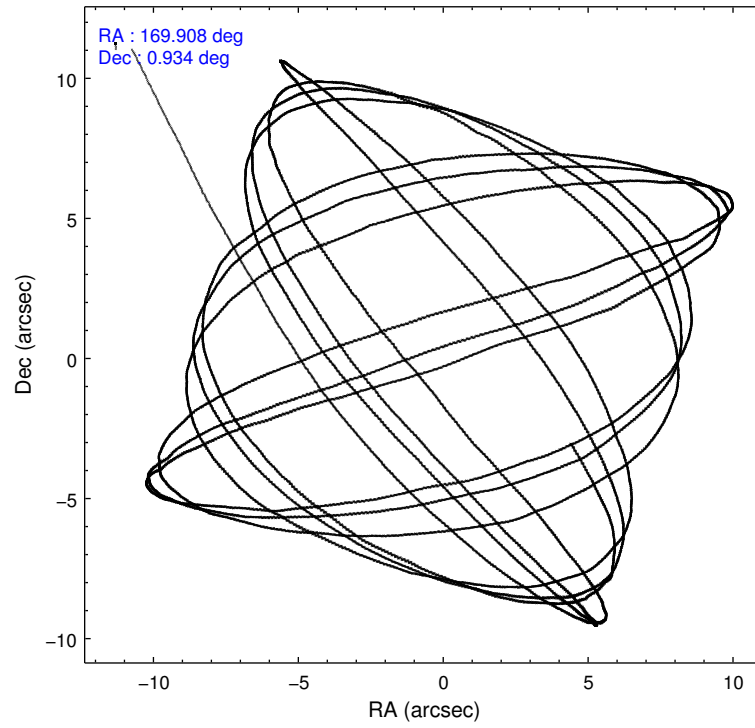
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	73359	72032	73503	102002	93064
rejected events	65001	63534	64986	61194	72986
rejected %	88%	88%	88%	59%	78%

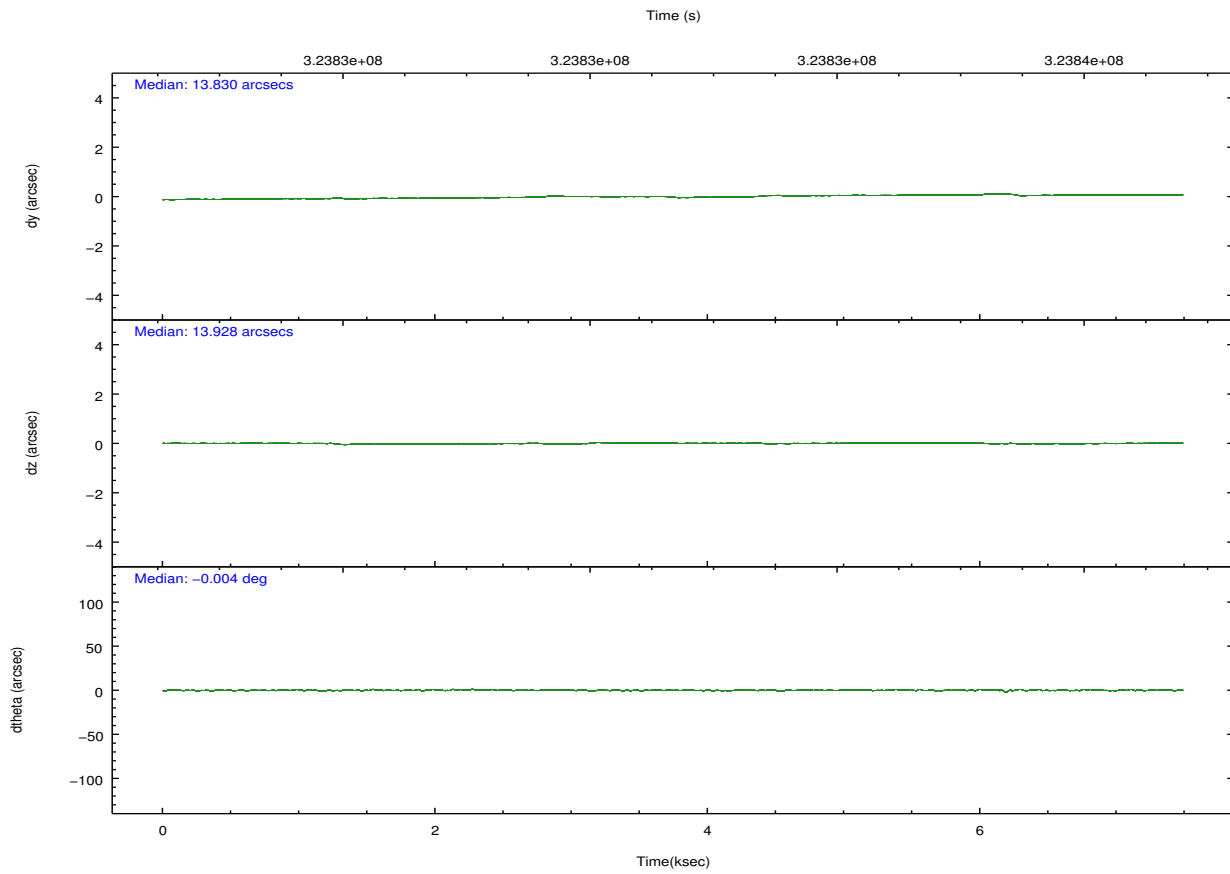
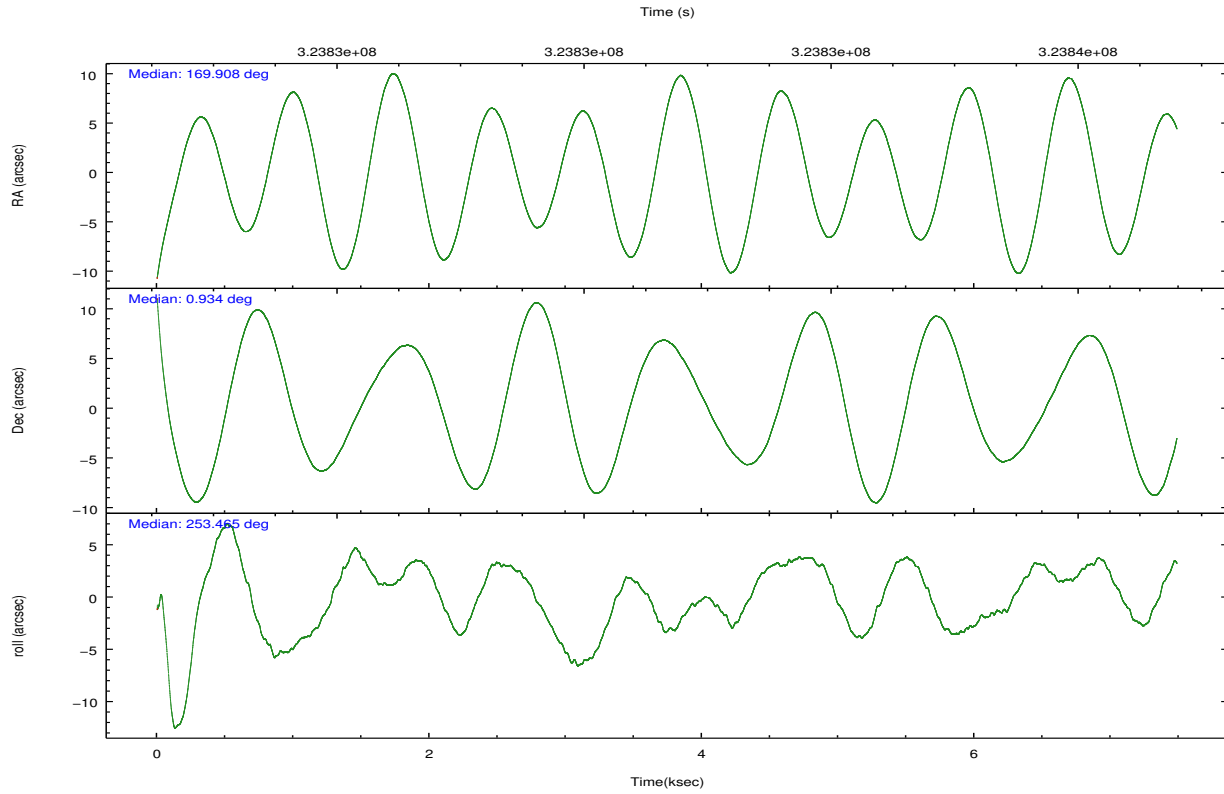
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	3681	3693	3367	3597	6575
	5%	5%	4%	3%	7%
grade 1 events	61	54	29	109	76
	0%	0%	0%	0%	0%
grade 2 events	1868	1732	1960	8595	4609
	2%	2%	2%	8%	4%
grade 3 events	808	872	840	3576	2170
	1%	1%	1%	3%	2%
grade 4 events	813	823	784	3520	2020
	1%	1%	1%	3%	2%
grade 5 events	2789	3374	3451	9599	4444
	3%	4%	4%	9%	4%
grade 6 events	1409	1599	1801	22633	5255
	1%	2%	2%	22%	5%
grade 7 events	61930	59885	61271	50373	67915
	84%	83%	83%	49%	72%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-23678	ACIS-23678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	169.901202	169.9079556150965	CCD I2 on	O1	Y
[deg] Pointing Dec	0.960821	0.9342259160117513	CCD I3 on	Y	Y
[deg] Pointing Roll	253.319102	253.4756280180737	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	323829120.184000	323828013.79311	CCD S5 on	N	N
Observation start date	2008-04-06T00:30:55	2008-04-06T00:13:33	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	323836420.184000	323837335.65606	On-chip summing requested	N	N
Observation end date	2008-04-06T02:32:35	2008-04-06T02:48:55	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

## 2.3 Aspect



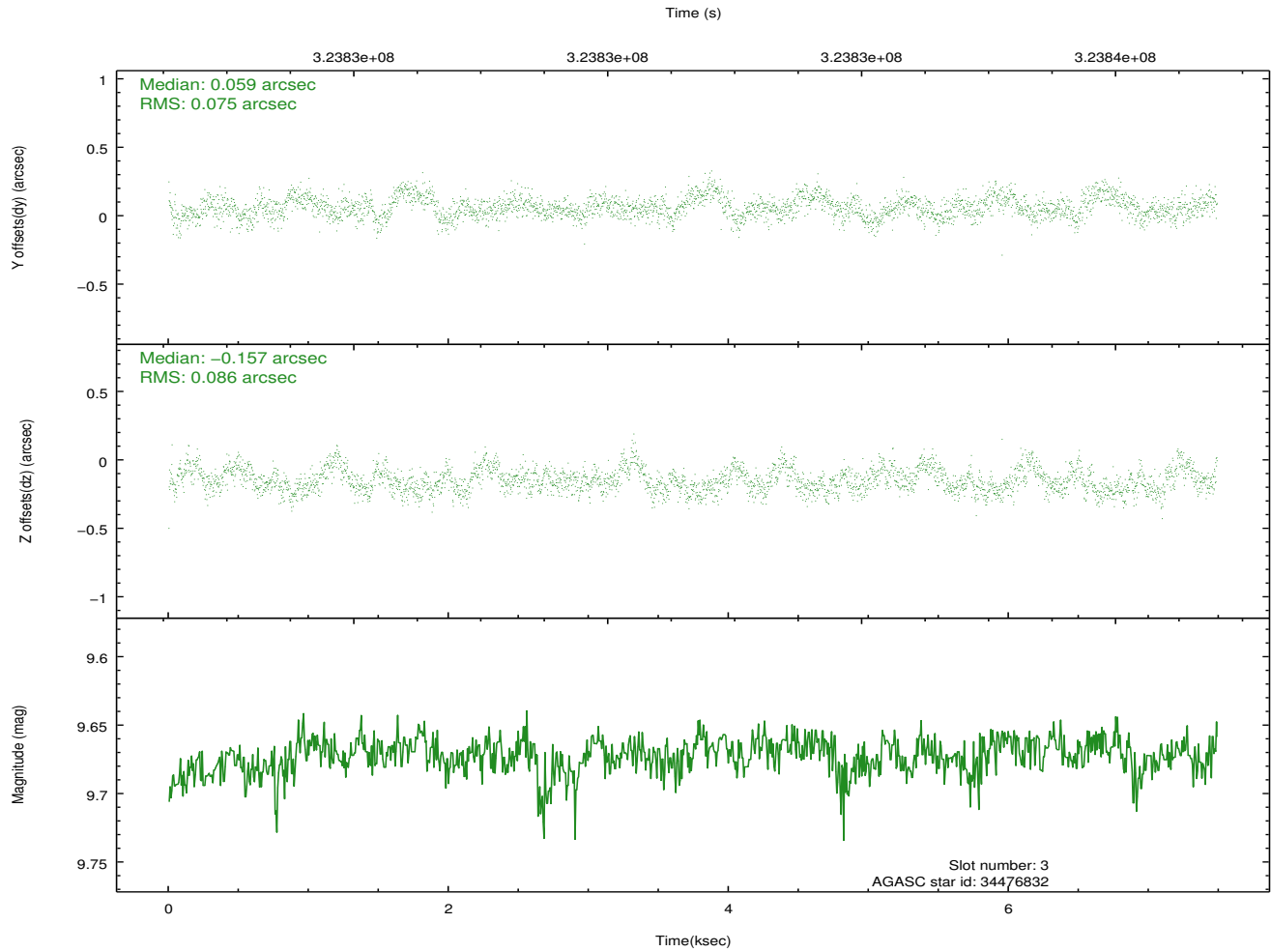
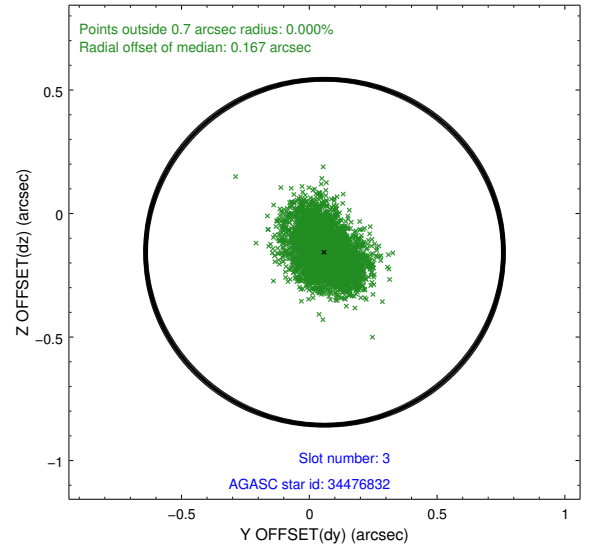
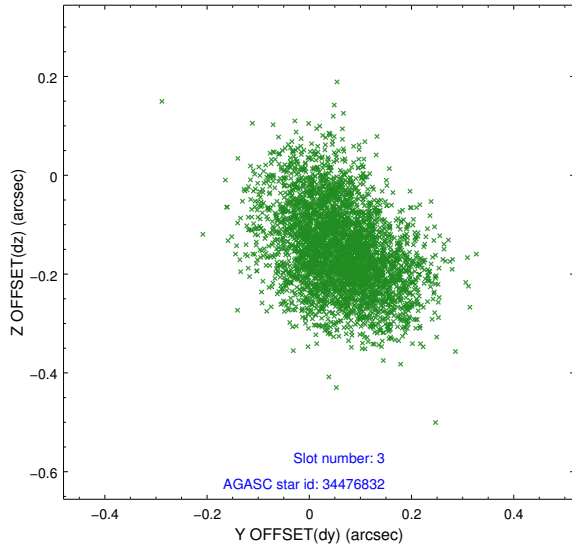


### Slot Statistics

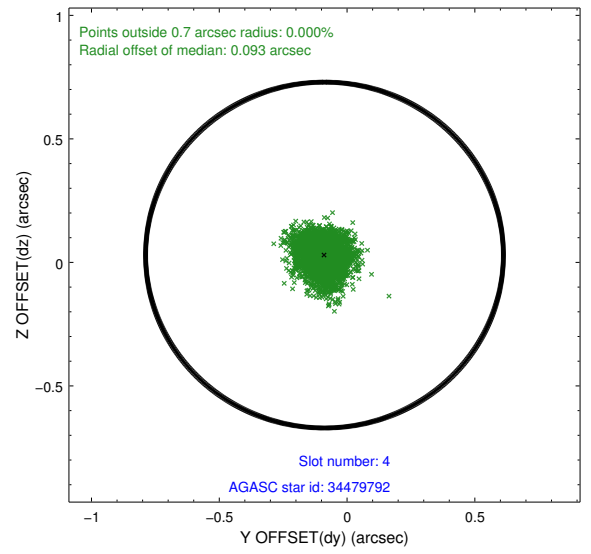
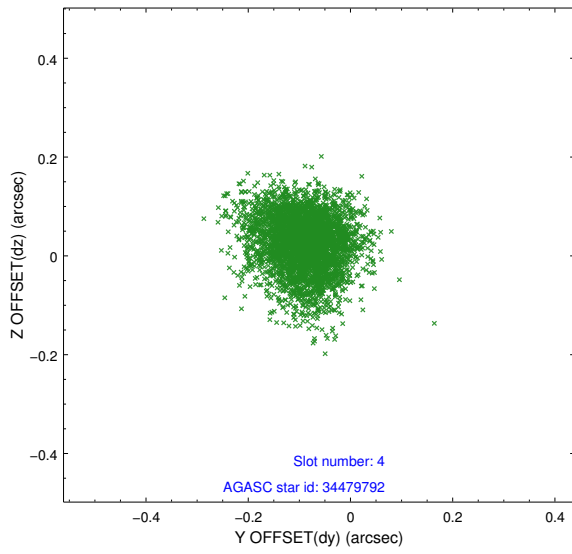
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1827	-0.054	-0.054	0.007	0.011	0.000000	0.000000	-766.81	-1735.28
1	FID	ACIS-S-4	7.19	1827	0.180	0.041	0.006	0.011	0.000000	0.000000	2146.35	172.52
2	FID	ACIS-S-5	7.22	1827	-0.157	0.023	0.006	0.011	0.000000	0.000000	-1818.78	167.02
3	GUIDE	34476832	9.67	3649	0.059	-0.157	0.121	0.198	169.983600	1.016249	-276.19	226.82
4	GUIDE	34479792	8.74	3651	-0.088	0.030	0.080	0.132	169.446033	0.791304	1055.72	-1394.92
5	GUIDE	34606832	10.07	3651	0.247	0.154	0.169	0.273	170.304069	0.161747	2339.78	2214.66
6	GUIDE	34607880	7.58	3652	-0.214	0.209	0.077	0.134	170.065878	0.274120	2198.08	1278.59
7	GUIDE	34479096	10.22	3583	0.002	-0.257	0.163	0.263	169.156949	0.602146	2006.88	-2195.53

## 2.4 Star Slots

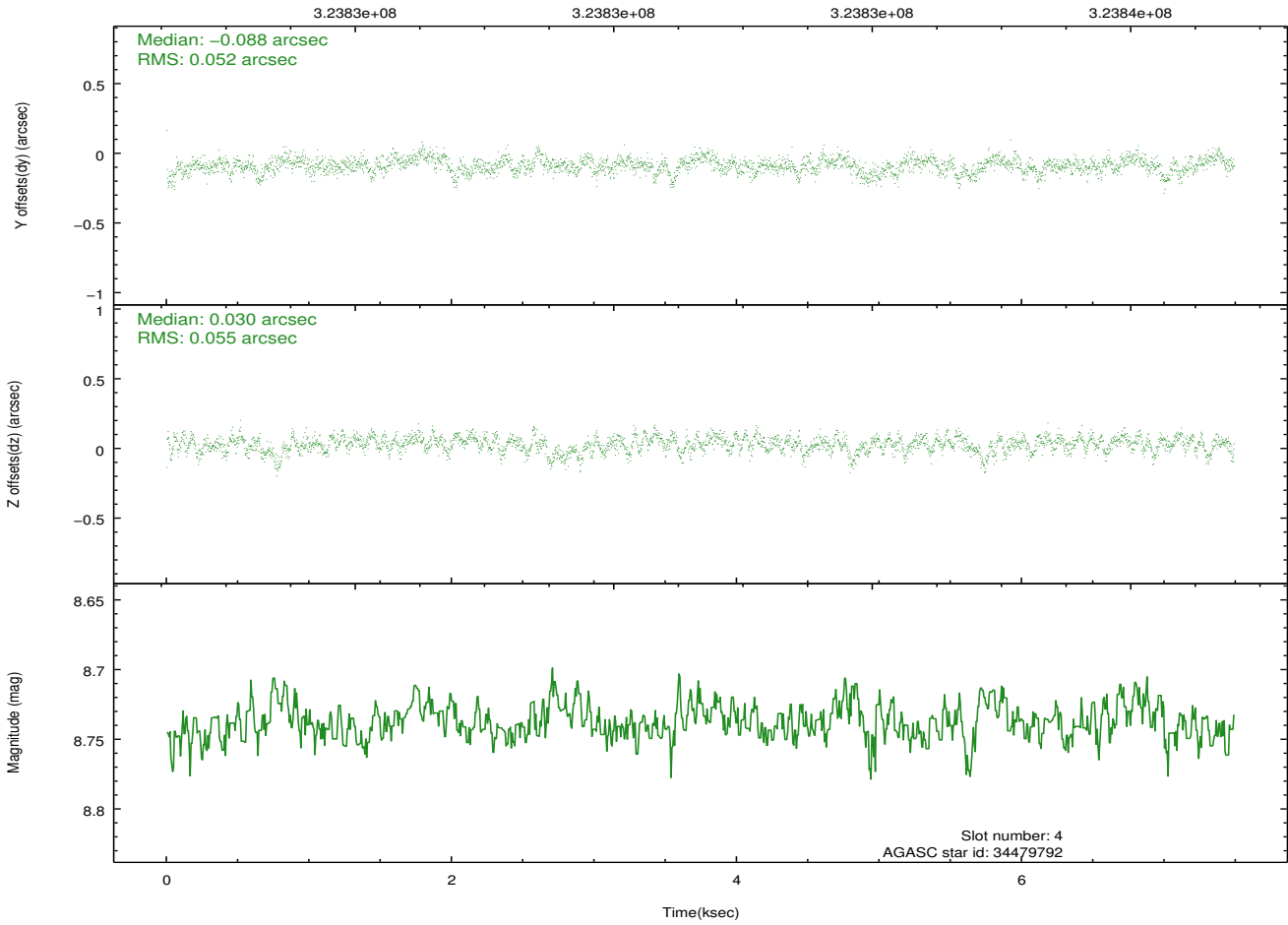
### 2.4.1 Slot 3



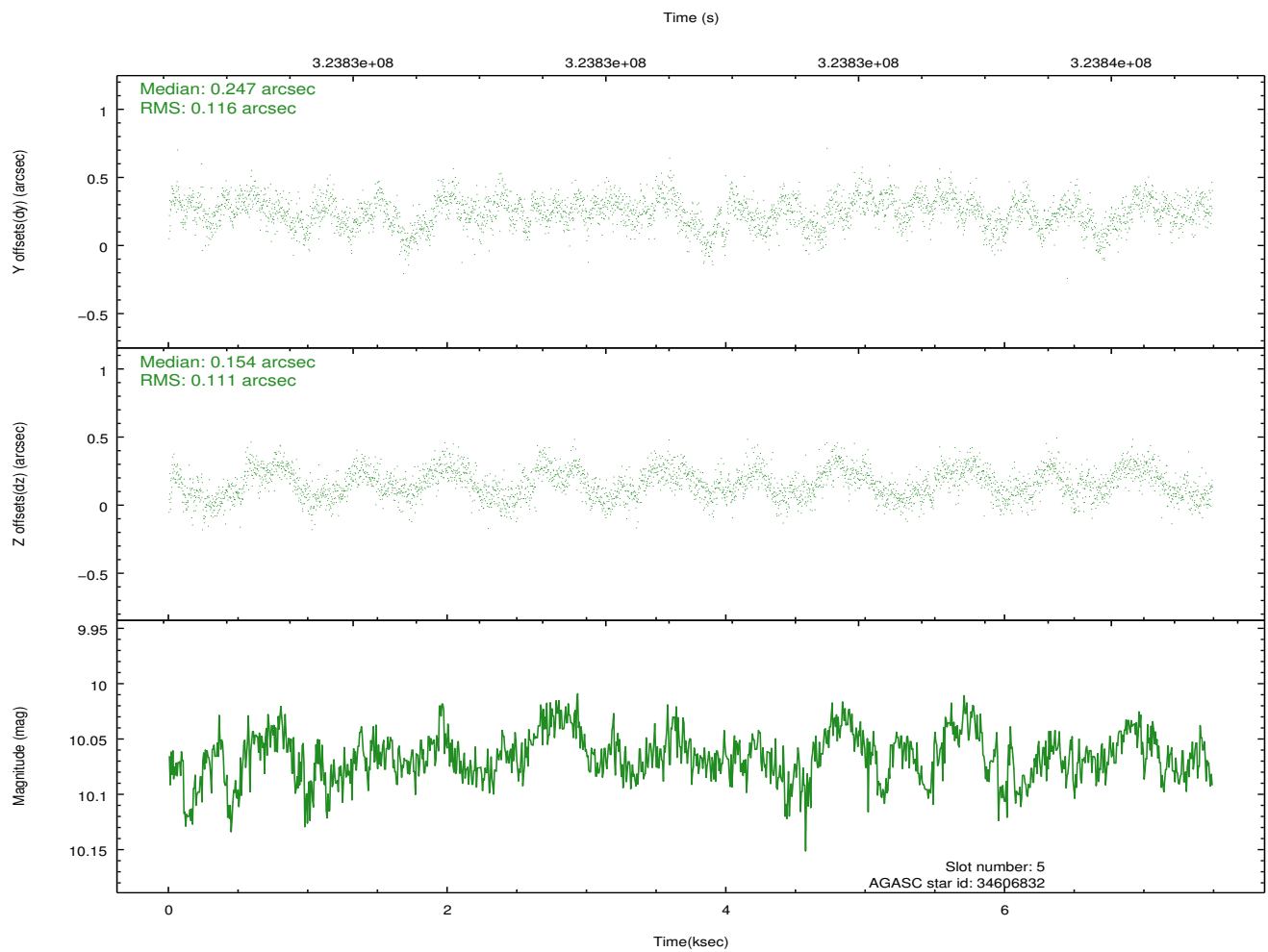
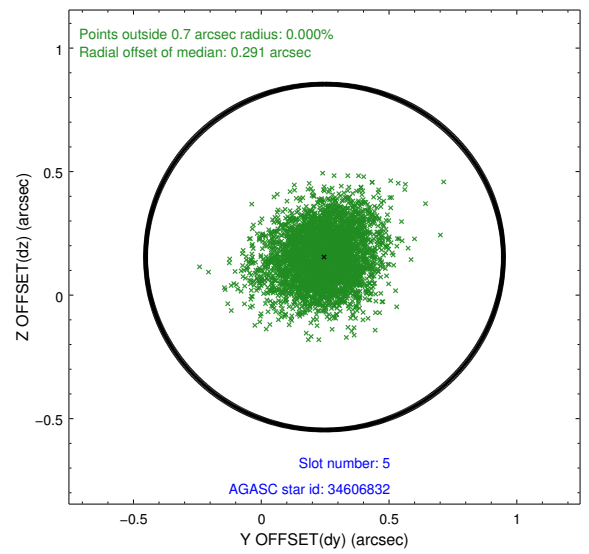
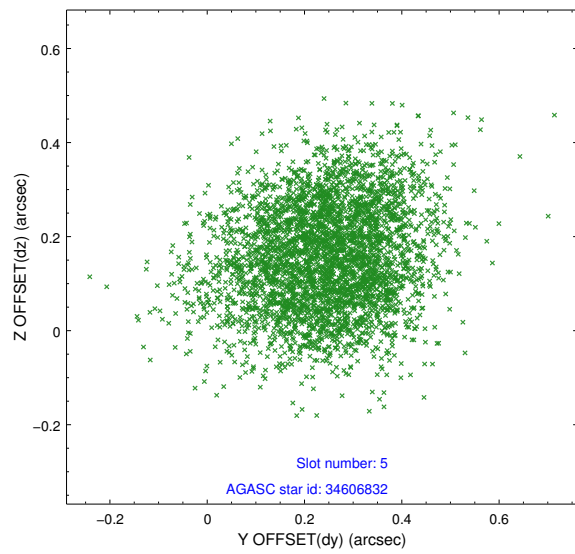
## 2.4.2 Slot 4



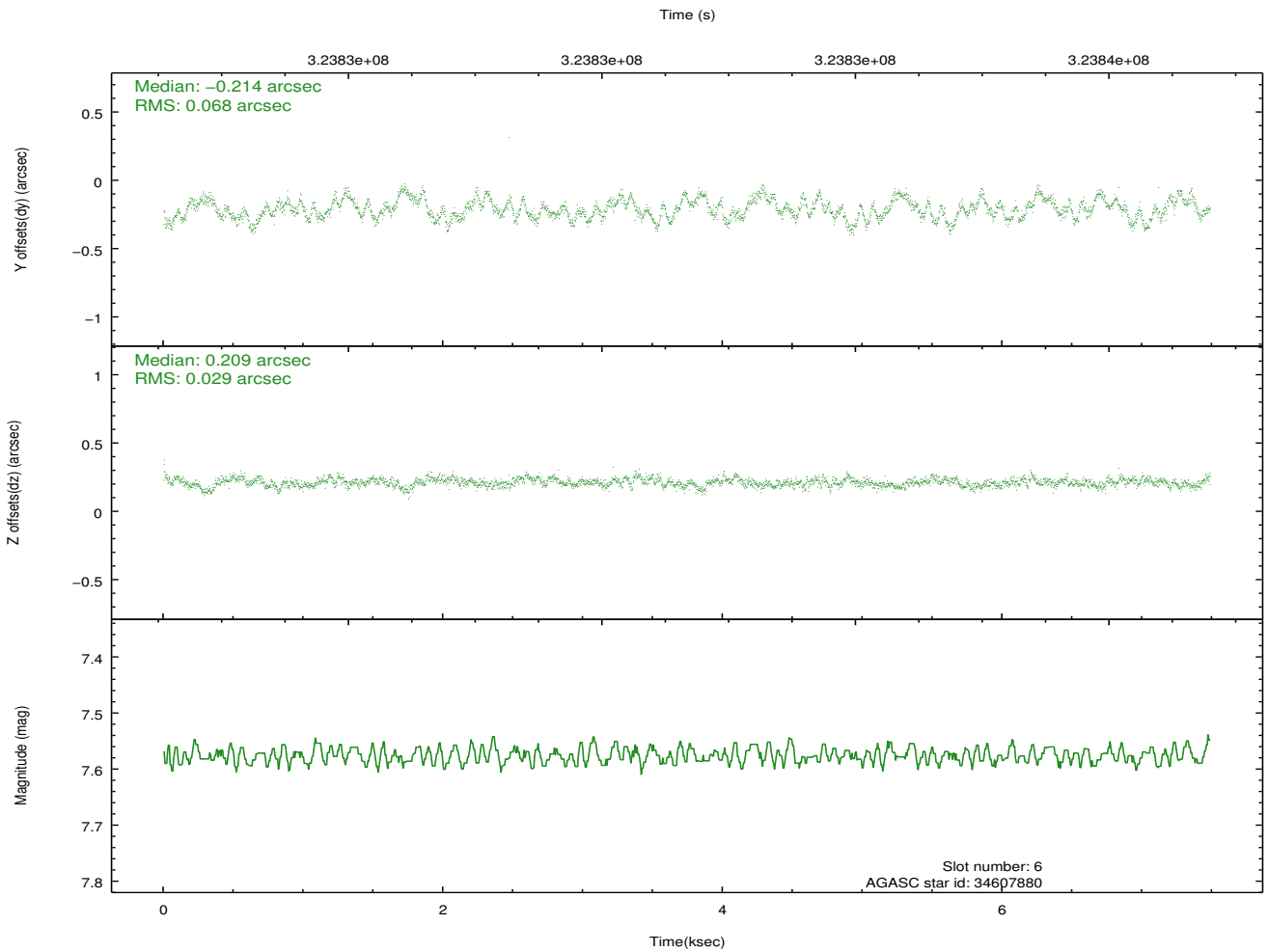
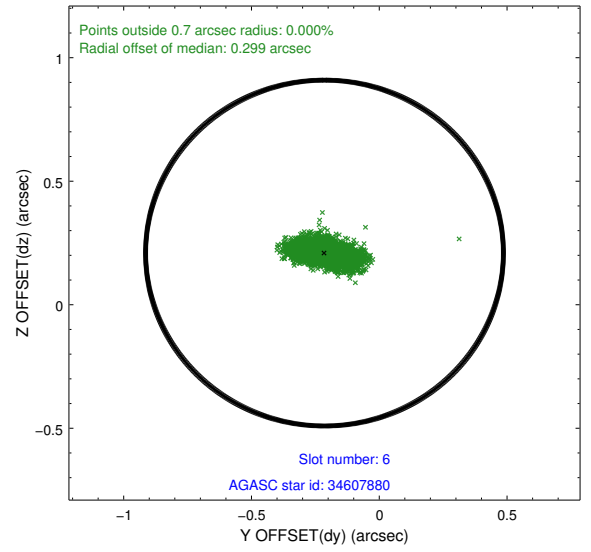
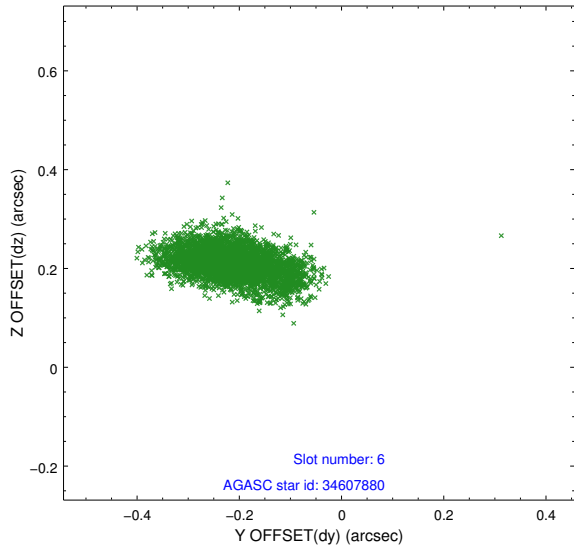
Time (s)



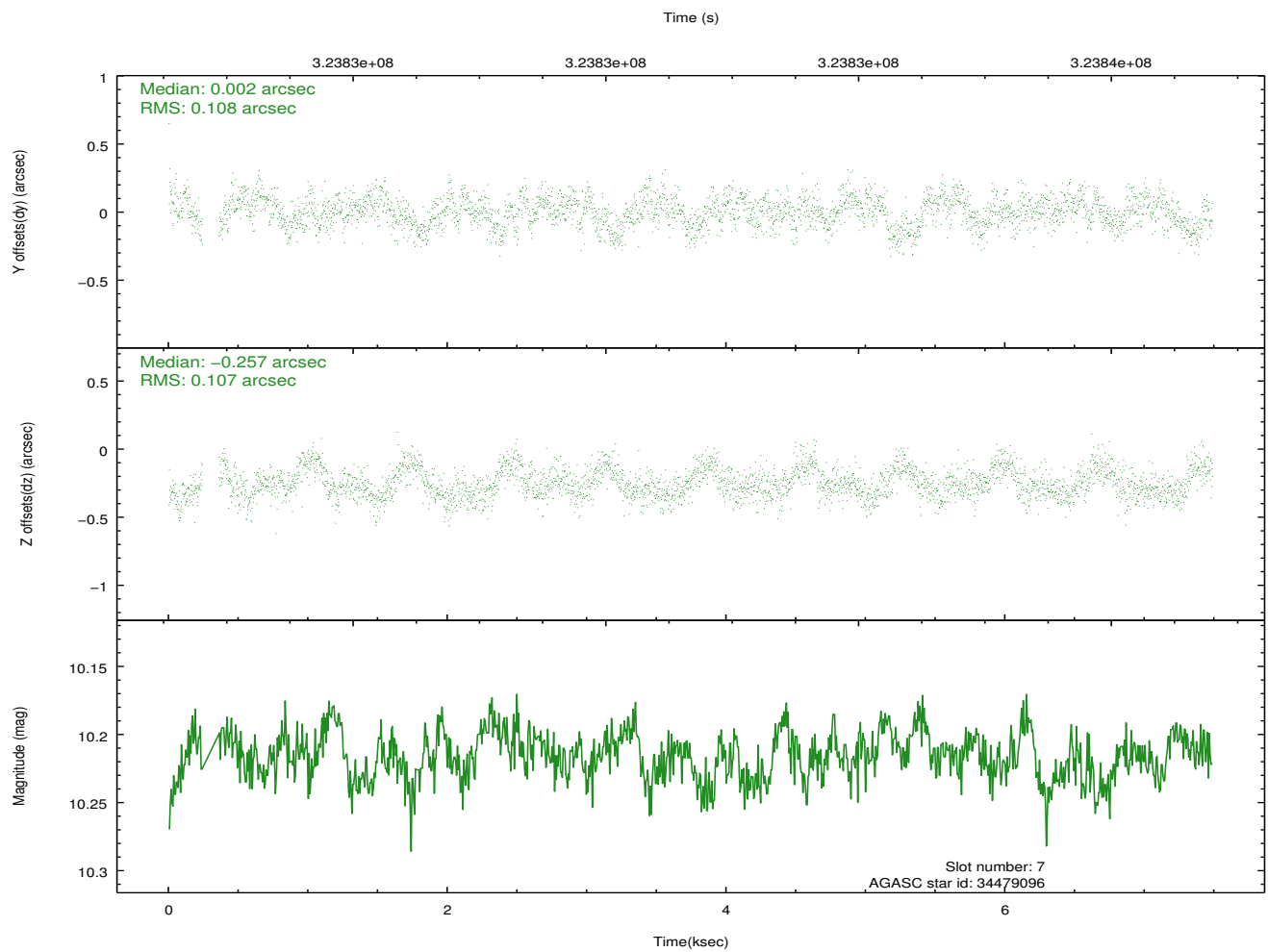
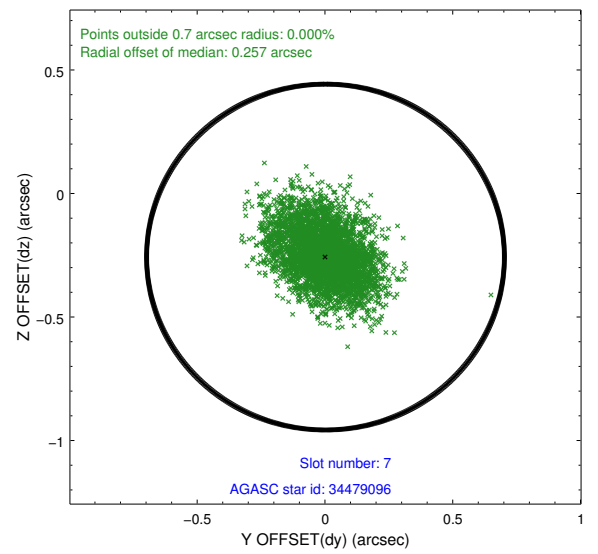
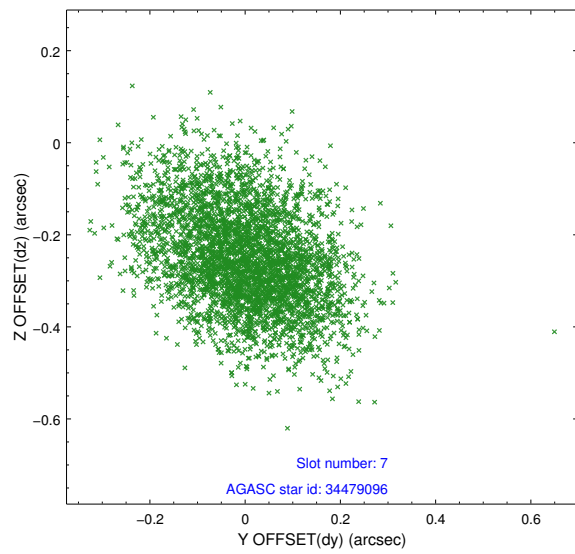
### 2.4.3 Slot 5



### 2.4.4 Slot 6

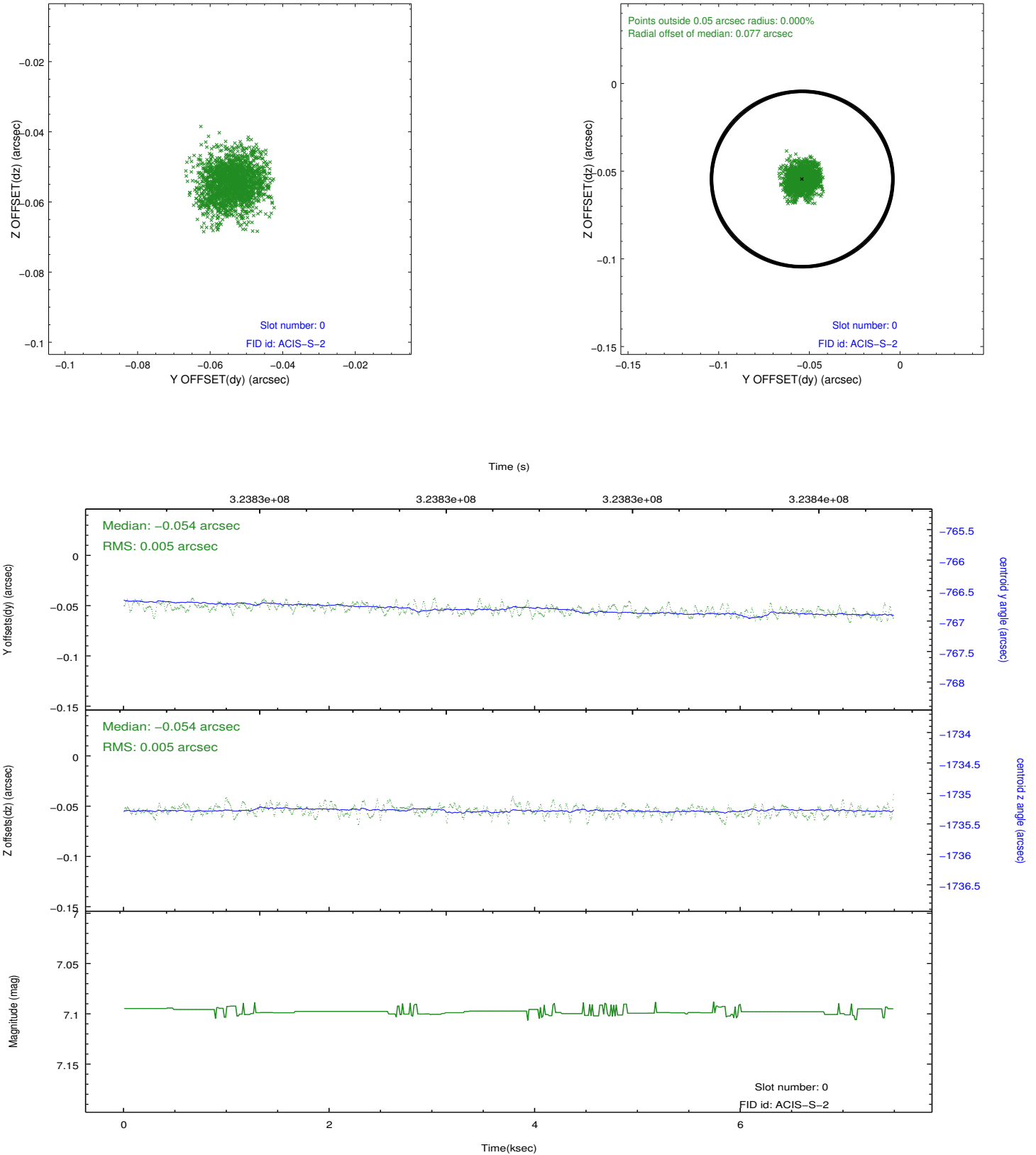


## 2.4.5 Slot 7

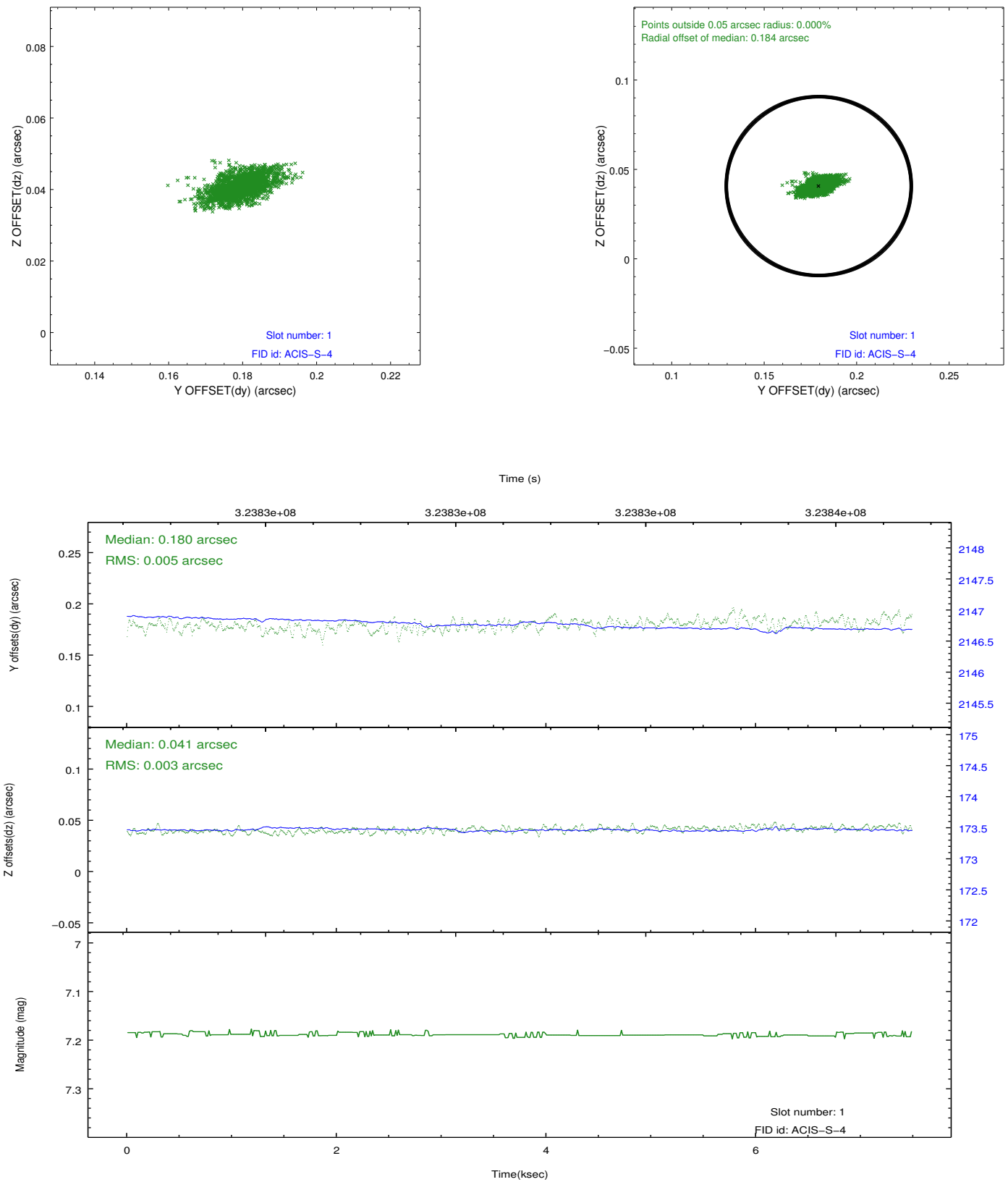


## 2.5 FID Slots

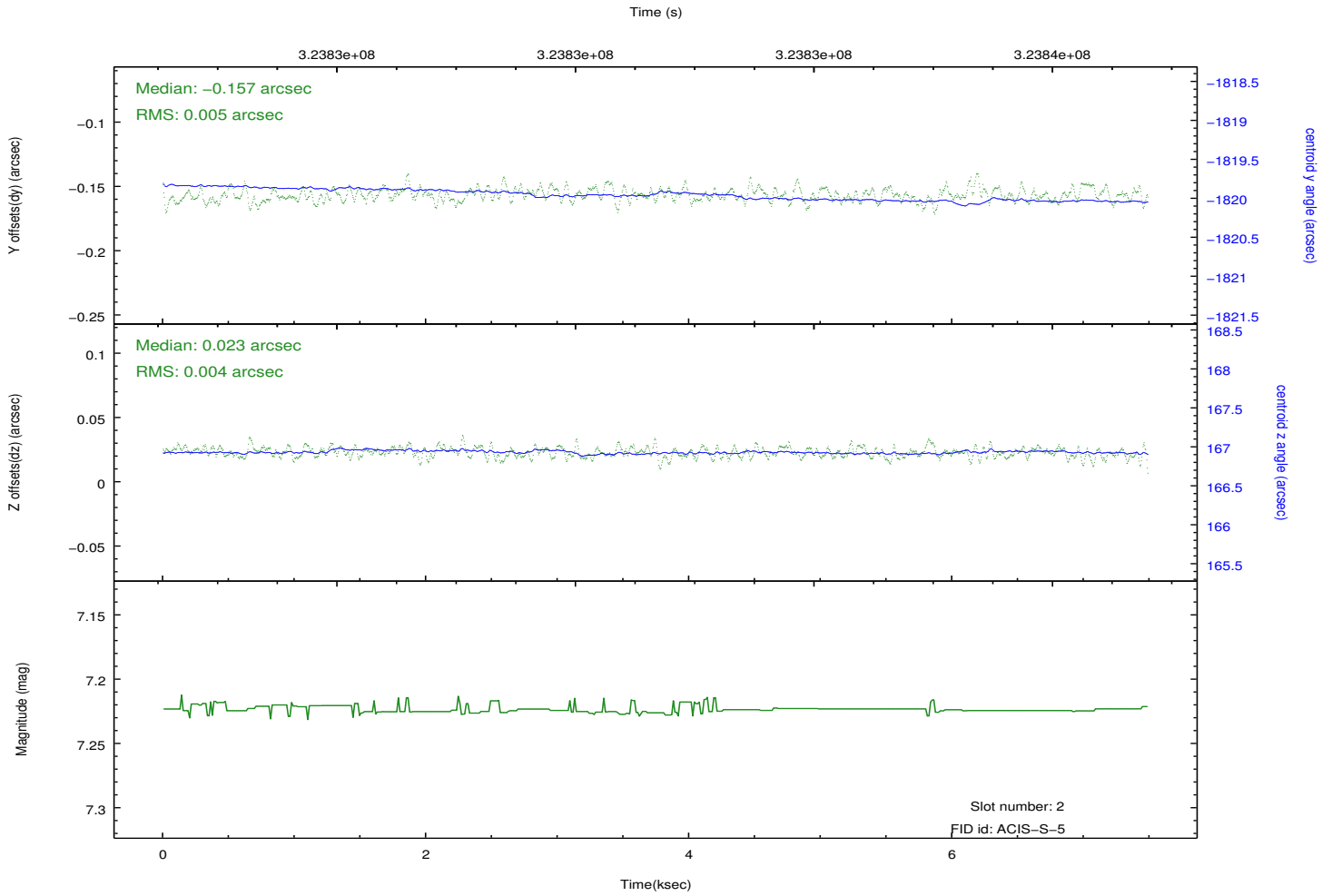
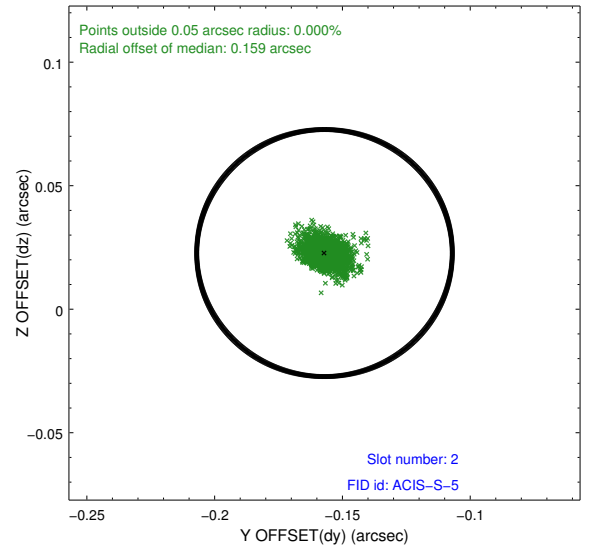
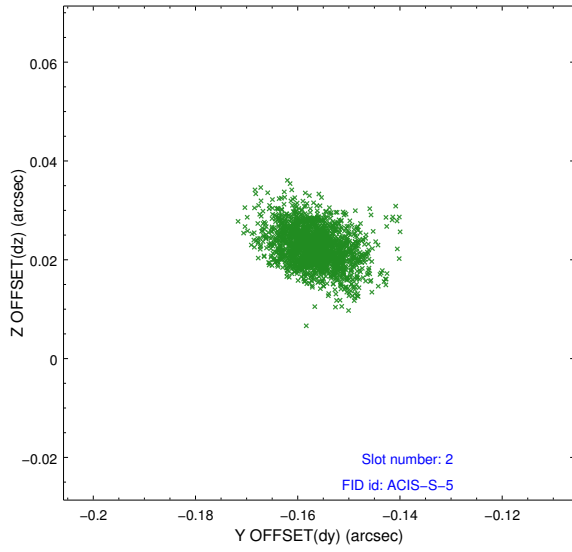
### 2.5.1 Slot 0



## 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)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.48340005

## A.2 Comments

Joint Proposal: HST+Spitzer