

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 2963 - L2 Version 3  
Chandra X-Ray Center

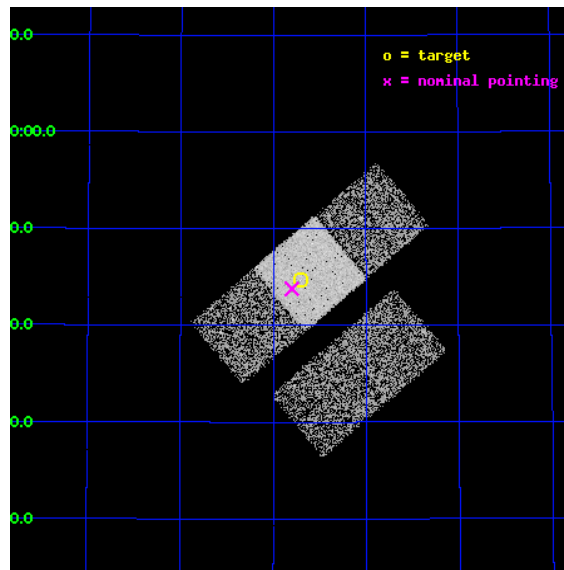
L2 Processing Date : Oct 14 2012

## 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

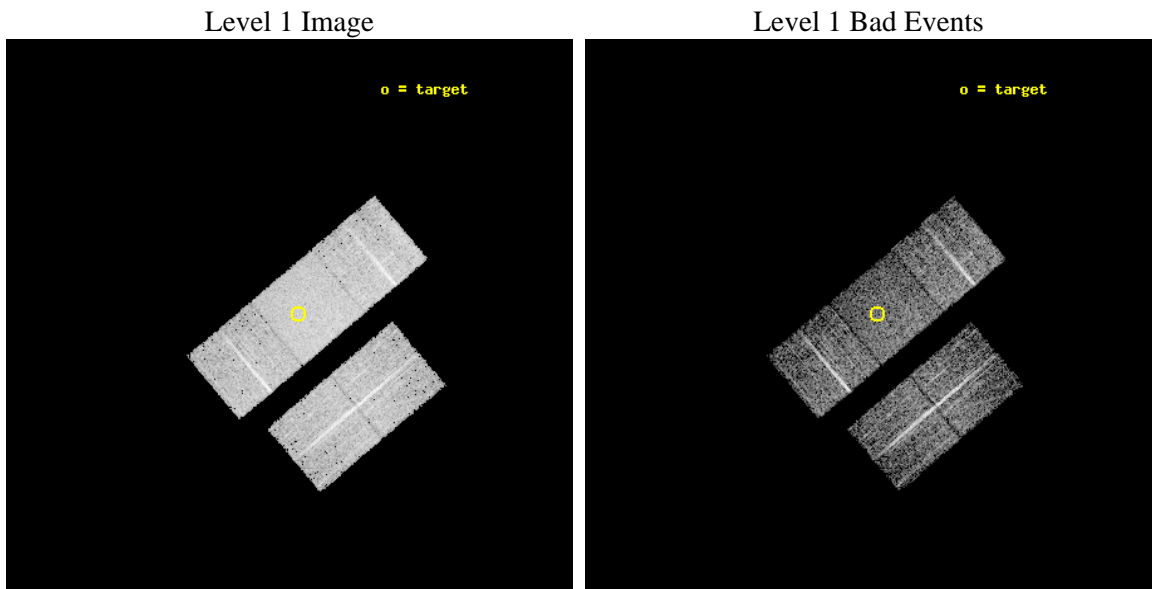
seq_num	700402	Sequence number
obs_id	2963	Observation id
title	A SNAPSHOT SURVEY OF THE OPTICALLY SELECTED TYPE-2 QUASARS	Proposa
observer	PROF. S. DJORGOVSKI	Principal investigator
object	PSS 1342+4944	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	205.677083	Observer's specified target RA [deg]
dec_targ	49.744444	Observer's specified target Dec [deg]
ra_nom	205.69981000191	Nominal RA [deg]
dec_nom	49.729736068836	Nominal Dec [deg]
roll_nom	319.77096878681	Nominal Roll [deg]
revision	3	Processing version of data
ontime	5102.4079377353	Sum of GTIs [s]
livetime	5035.7412216907	Livetime [s]
ontime2	5102.2437777221	Sum of GTIs [s]
ontime3	5102.3258577287	Sum of GTIs [s]
ontime6	5102.366897732	Sum of GTIs [s]
ontime7	5102.4079377353	Sum of GTIs [s]
ontime8	5102.2848177254	Sum of GTIs [s]
l2events	31859	Number of level 2 events



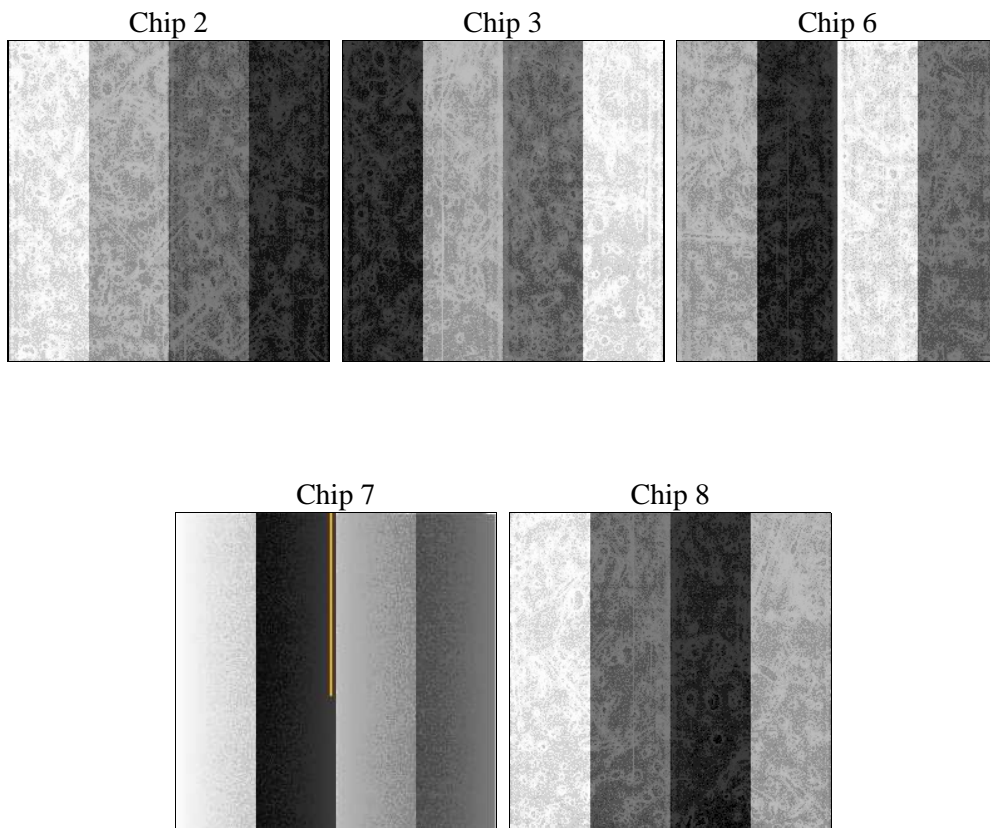
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5102.4079377353	Sum of GTIs [s]
caldbver	4.5.2	&#160	ontime2	5102.2437777221	Sum of GTIs [s]
date	2012-10-14T18:01:58	Date and time of file creation	ontime3	5102.3258577287	Sum of GTIs [s]
revision	3	Processing version of data	ontime6	5102.366897732	Sum of GTIs [s]
			ontime7	5102.4079377353	Sum of GTIs [s]
			ontime8	5102.2848177254	Sum of GTIs [s]
			l1events	185334	Number of level 1 events

### 2.1.4 Events

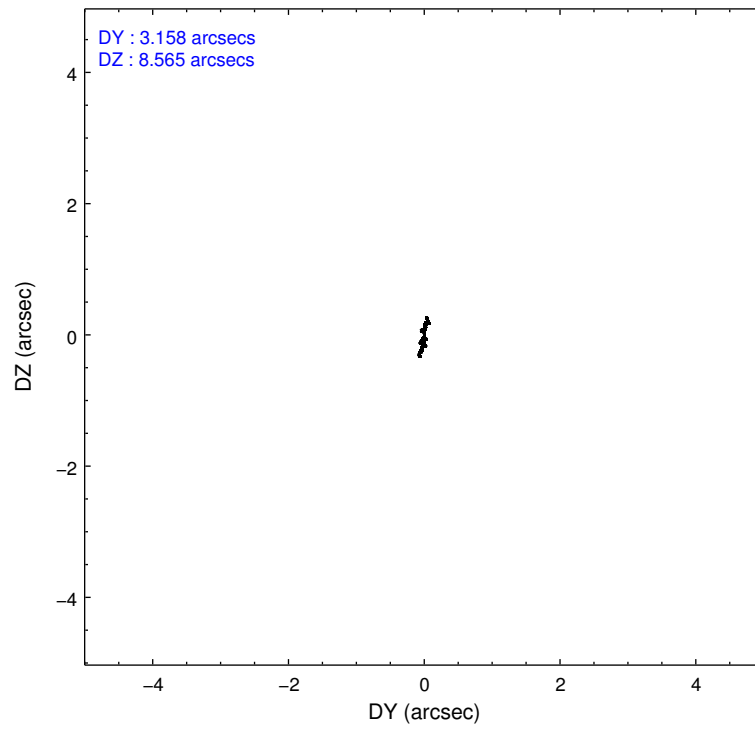
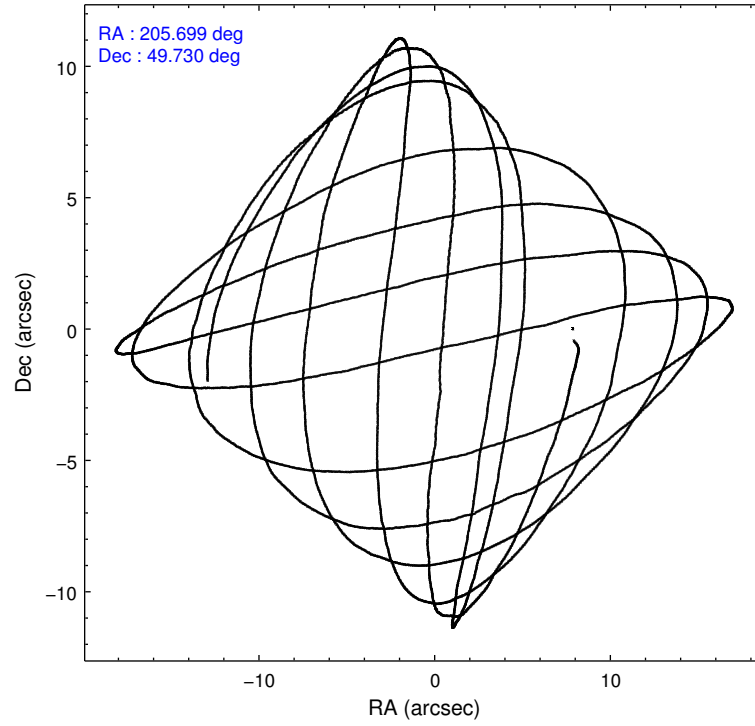
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
level 1 events	33314	32731	33300	43984	42005
rejected events	29428	28892	29386	25598	33848
rejected %	88%	88%	88%	58%	80%

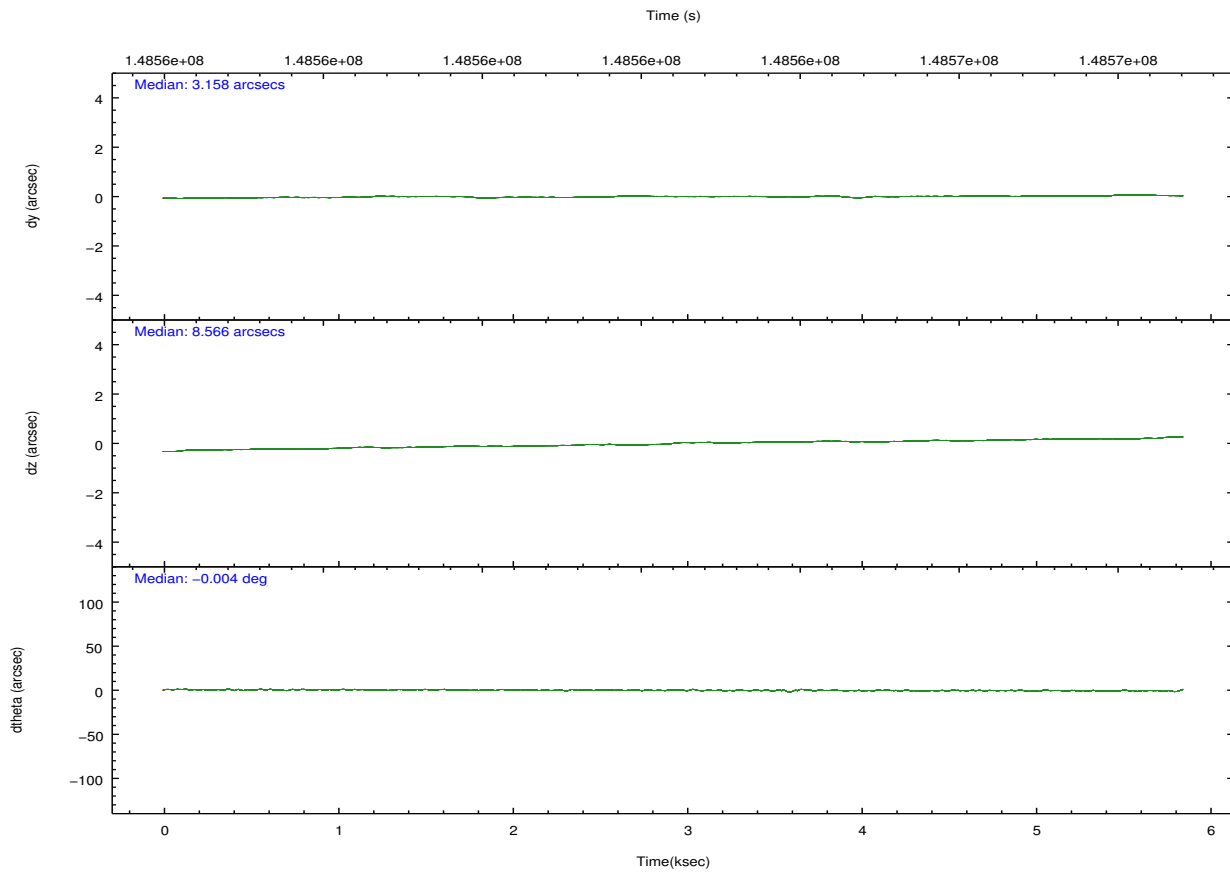
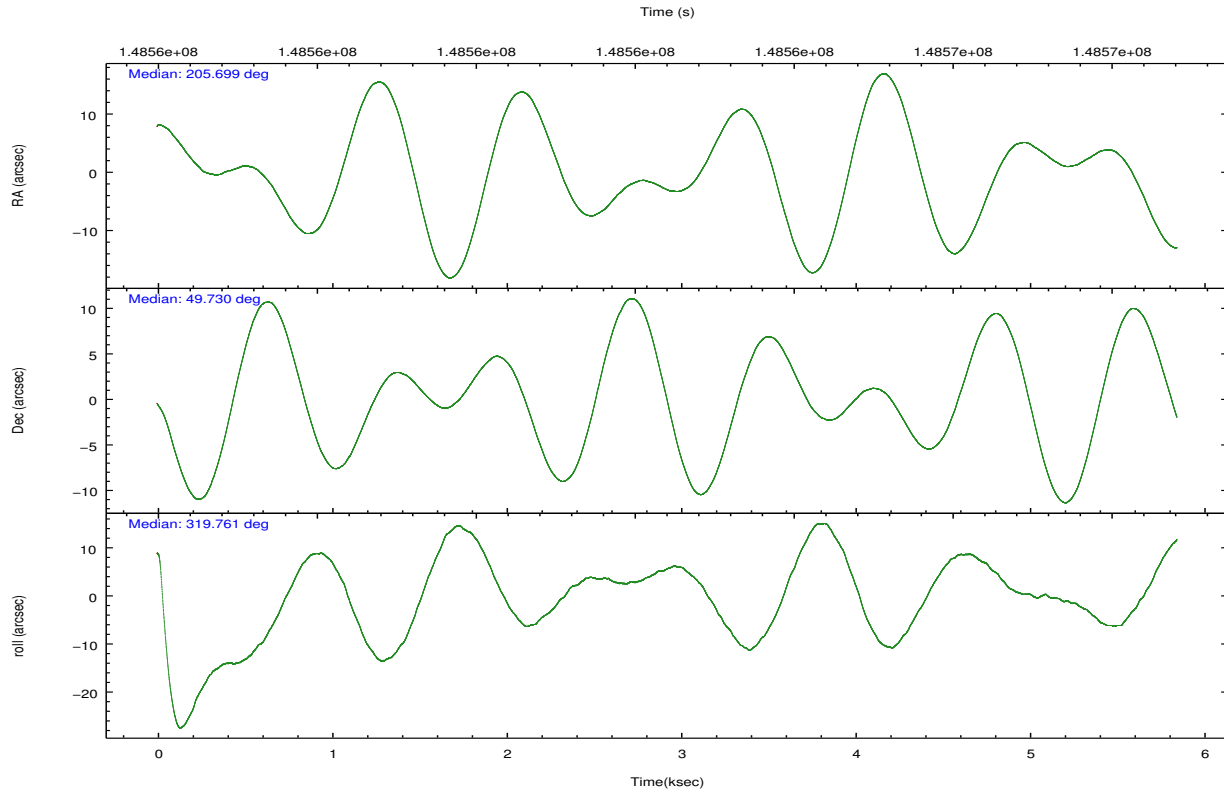
	ccd 2	ccd 3	ccd 6	ccd 7	ccd 8
grade 0 events	1716	1716	1601	1744	2630
	5%	5%	4%	3%	6%
grade 1 events	19	22	12	44	25
	0%	0%	0%	0%	0%
grade 2 events	727	705	803	3715	1652
	2%	2%	2%	8%	3%
grade 3 events	395	403	353	1640	901
	1%	1%	1%	3%	2%
grade 4 events	393	386	380	1554	878
	1%	1%	1%	3%	2%
grade 5 events	1233	1425	1591	4083	1893
	3%	4%	4%	9%	4%
grade 6 events	660	632	780	9763	2108
	1%	1%	2%	22%	5%
grade 7 events	28171	27442	27780	21441	31918
	84%	83%	83%	48%	75%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	205.658235	205.6998100019132	Subarray requested	NONE	NONE
[deg] Pointing Dec	49.734229	49.72973606883603	Alternating exposures requested	N	N
[deg] Pointing Roll	319.645997	319.7709687868069	[s] Primary exposure time	0.000000	3.1
[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)	148562120.184000	148560833.75949			
Observation start date	2002-09-16T11:14:16	2002-09-16T10:53:53			
[s] Observation end time (MET)	148567120.184000	148567787.35978			
Observation end date	2002-09-16T12:37:36	2002-09-16T12:49:47			
Read mode	TIMED	TIMED			

## 2.3 Aspect



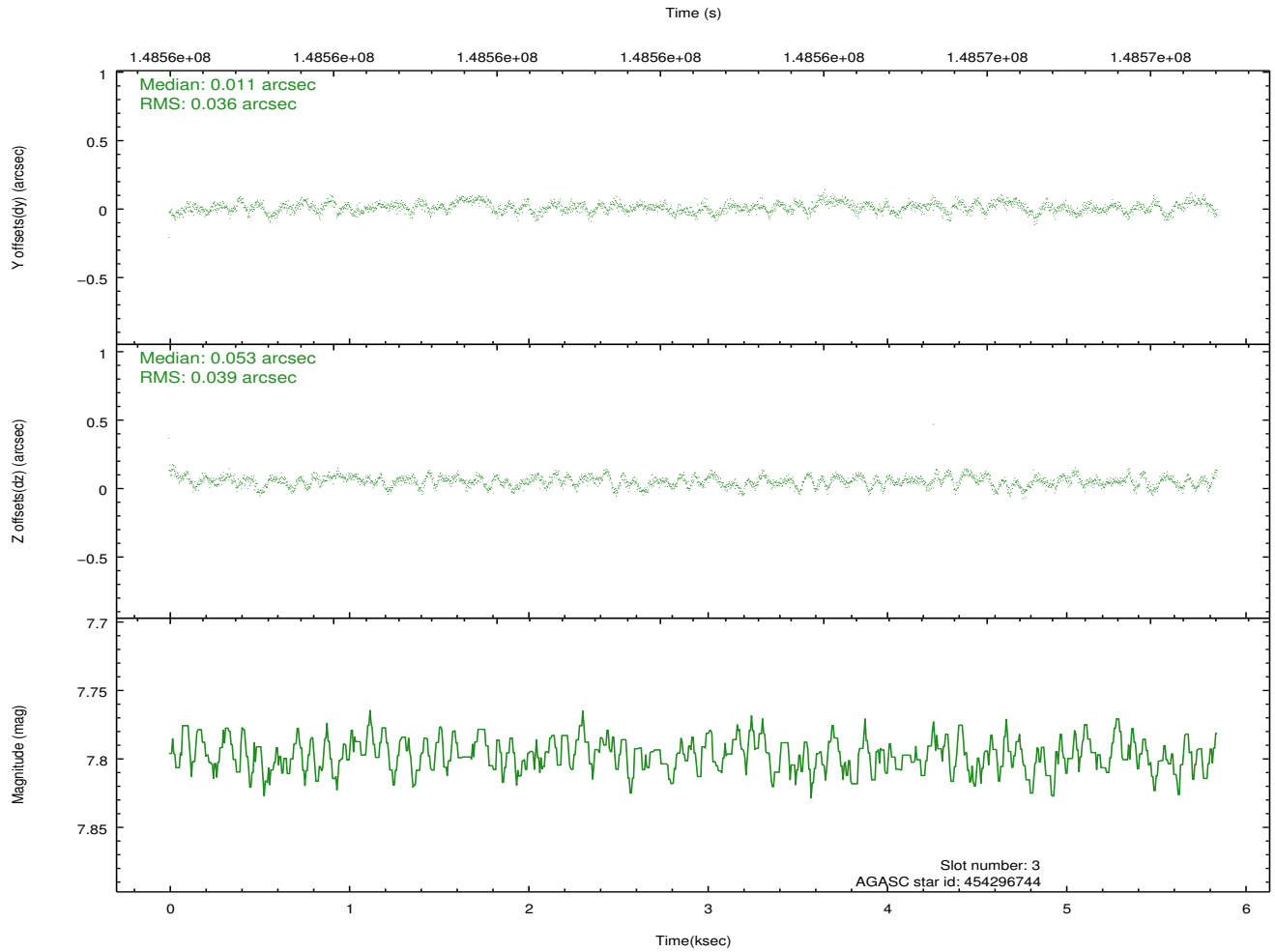
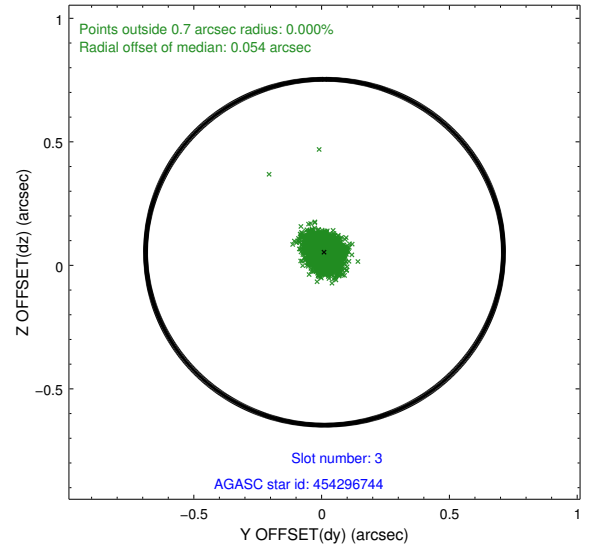
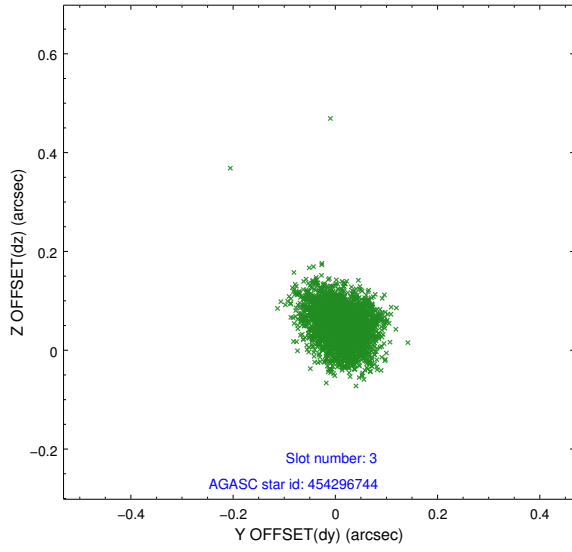


### Slot Statistics

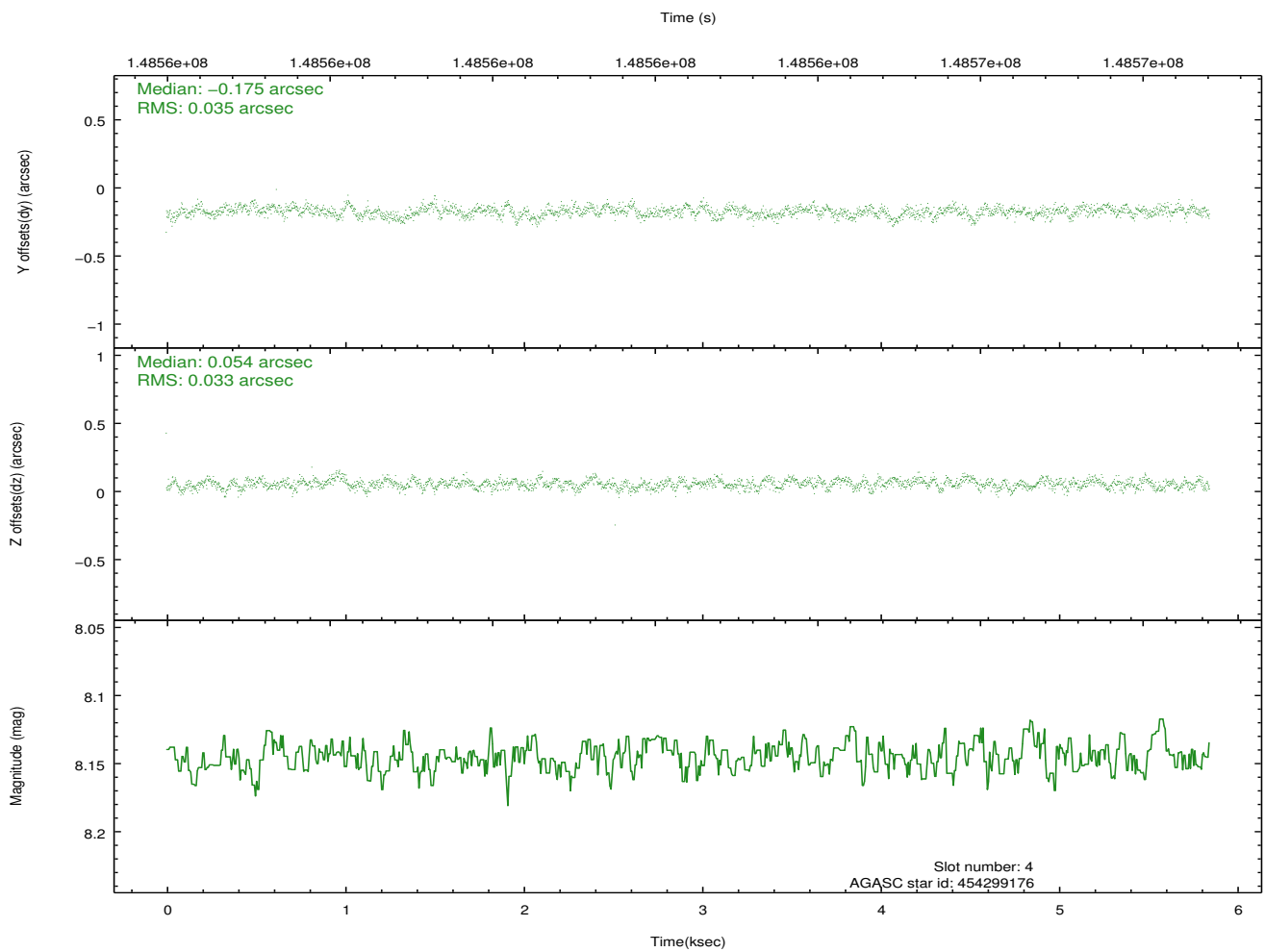
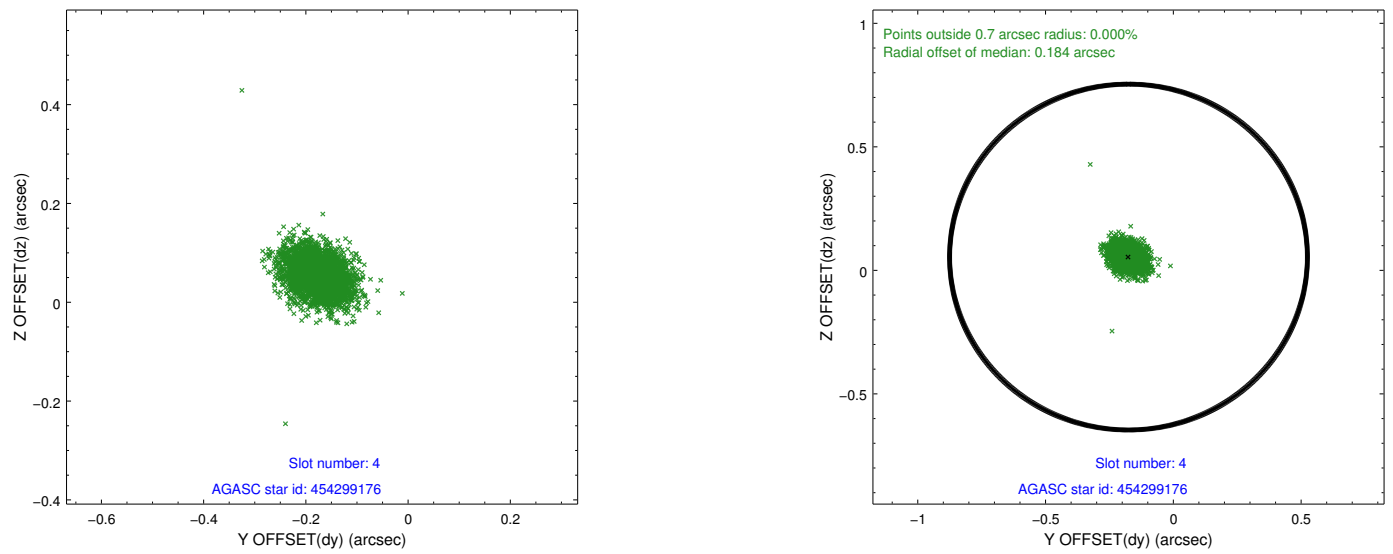
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1427	-0.015	-0.009	0.007	0.011	0.000000	0.000000	-755.82	-1729.75
1	FID	ACIS-S-4	7.20	1427	0.004	0.010	0.005	0.010	0.000000	0.000000	2157.02	177.68
2	FID	ACIS-S-5	7.24	1427	-0.020	0.008	0.007	0.011	0.000000	0.000000	-1807.35	172.53
3	GUIDE	454296744	7.80	2853	0.011	0.053	0.057	0.090	205.803935	49.562276	661.18	-250.24
4	GUIDE	454299176	8.14	2853	-0.175	0.054	0.050	0.081	205.980064	49.134870	1975.29	-1151.13
5	GUIDE	454691504	8.90	2852	0.115	-0.005	0.070	0.119	205.975257	50.280822	-717.67	1973.19
6	GUIDE	454299480	9.28	2851	0.112	0.045	0.081	0.132	205.566956	49.578849	200.90	-562.57
7	GUIDE	454696696	9.43	2850	-0.066	-0.147	0.095	0.151	206.056542	50.275512	-564.12	2080.54

## 2.4 Star Slots

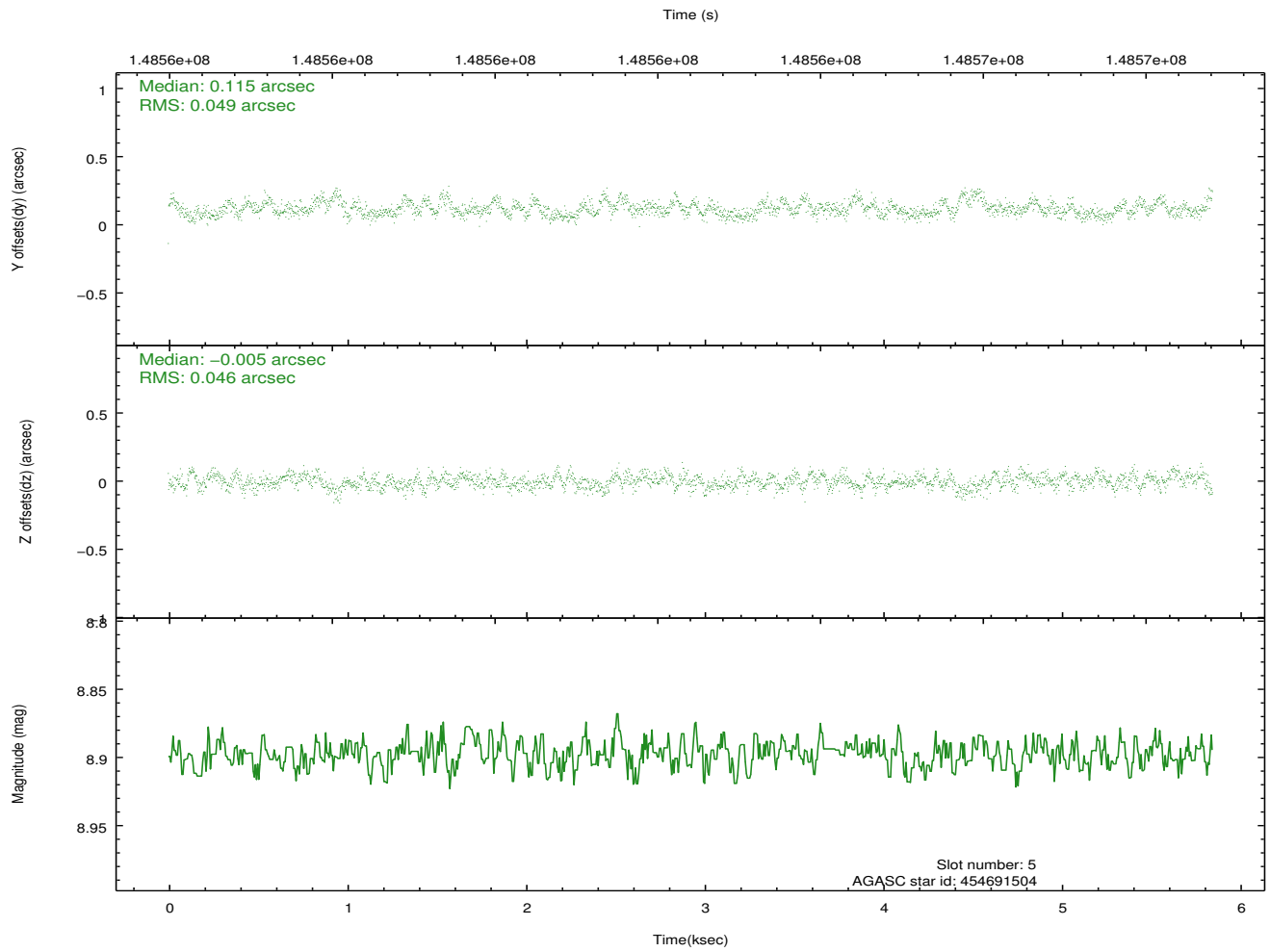
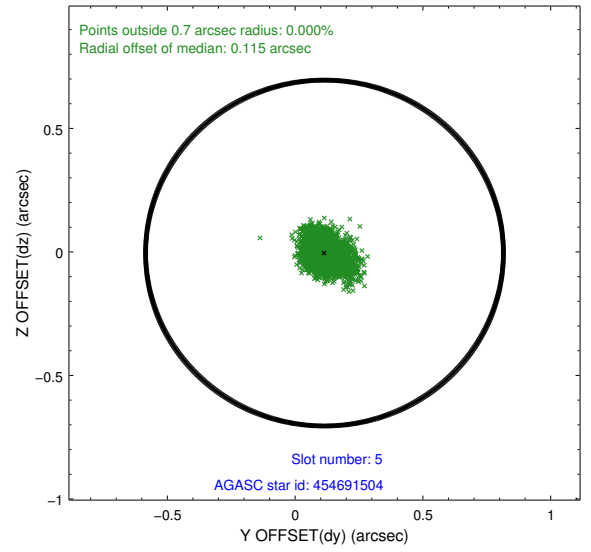
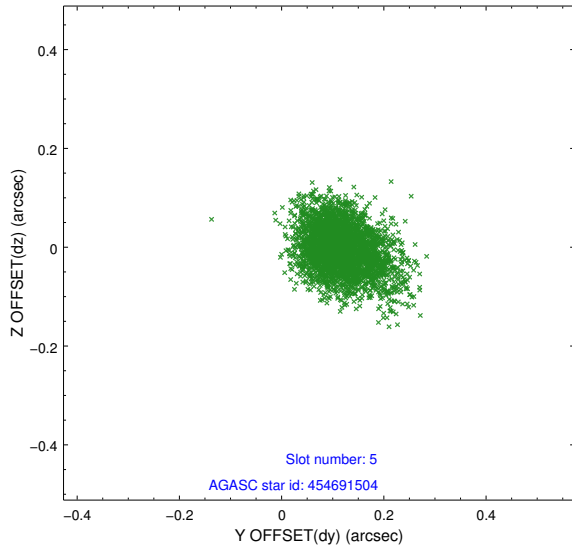
### 2.4.1 Slot 3



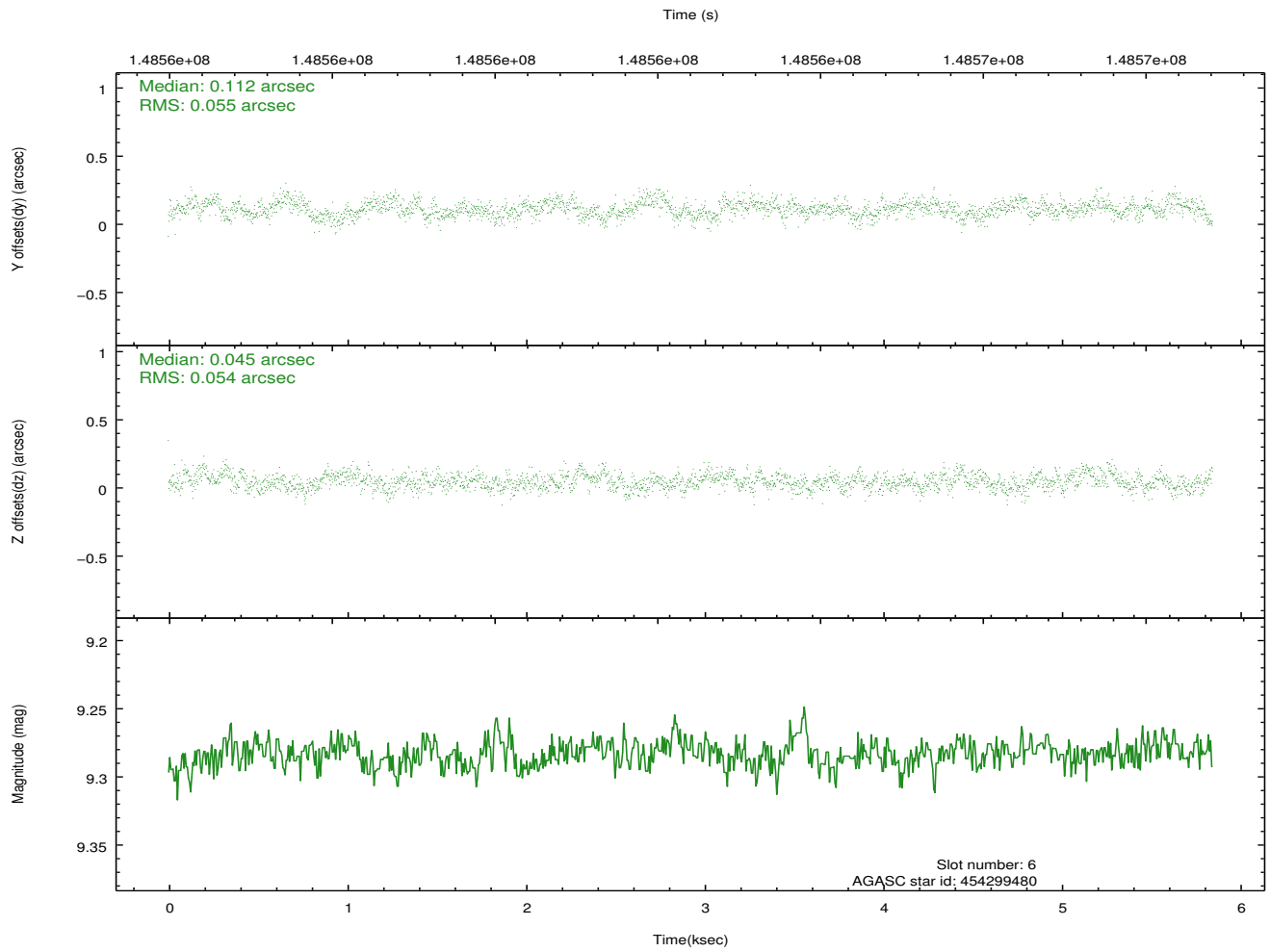
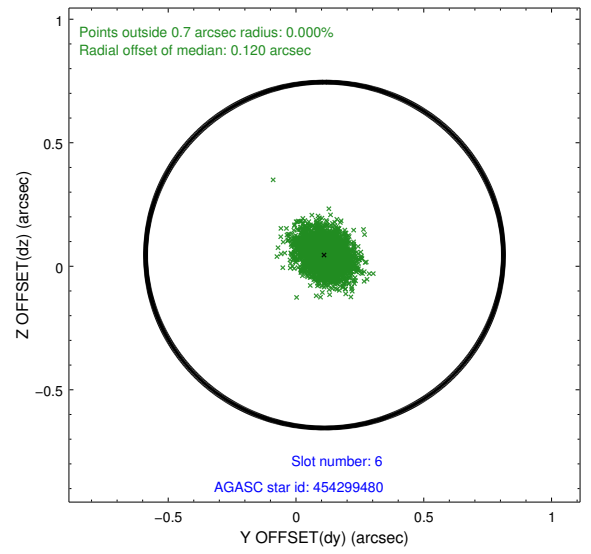
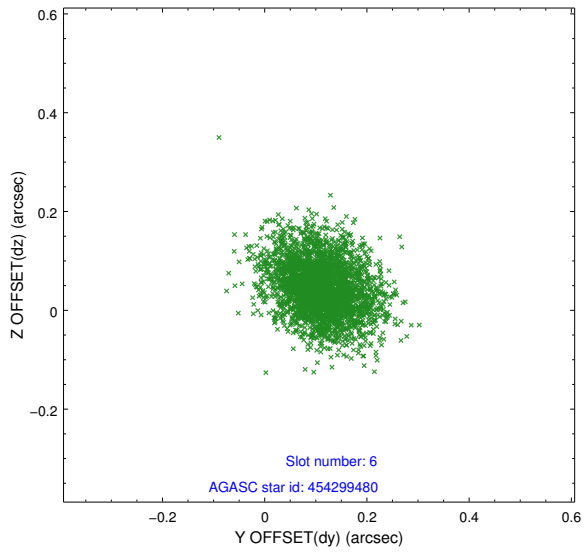
## 2.4.2 Slot 4



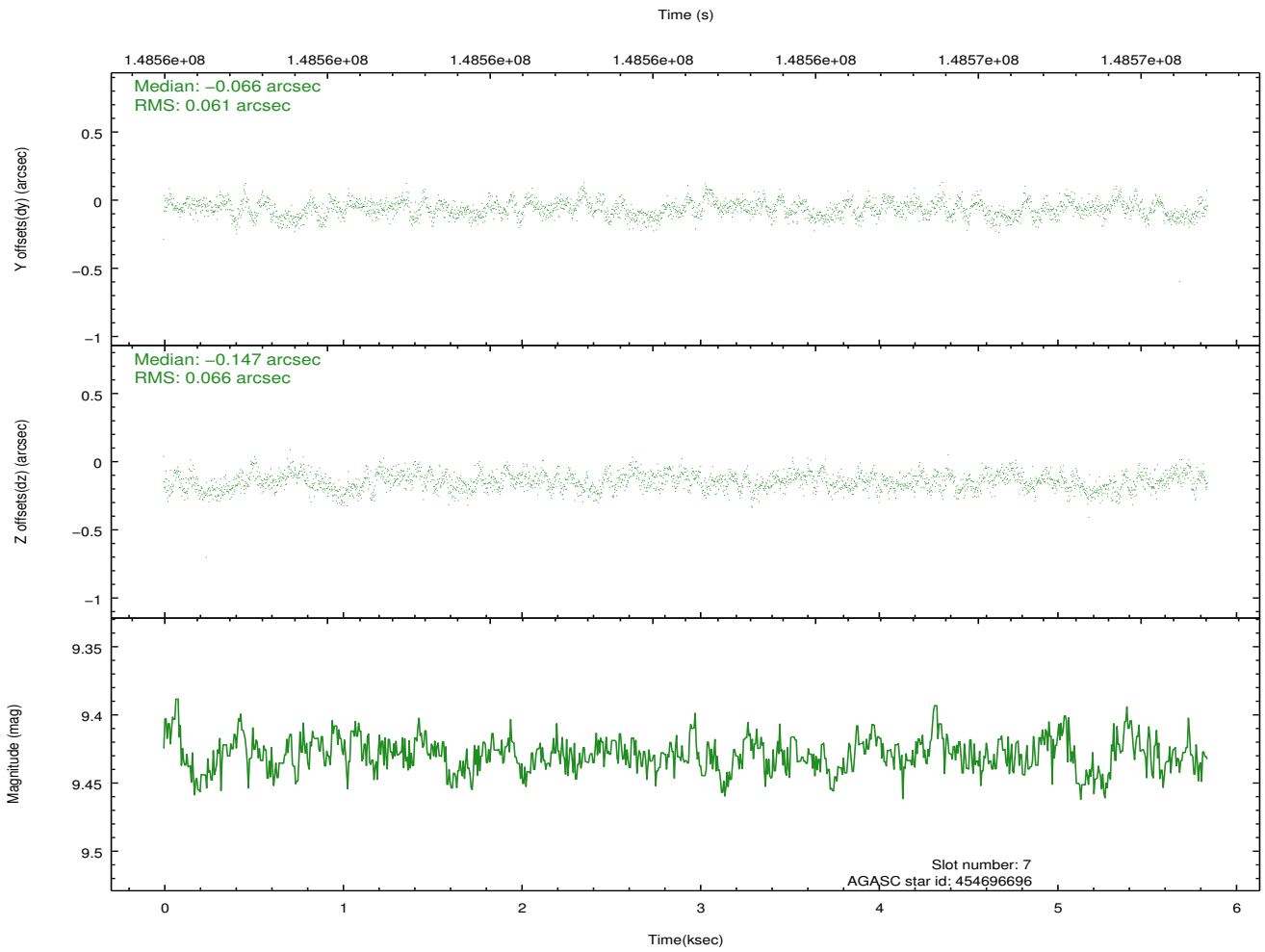
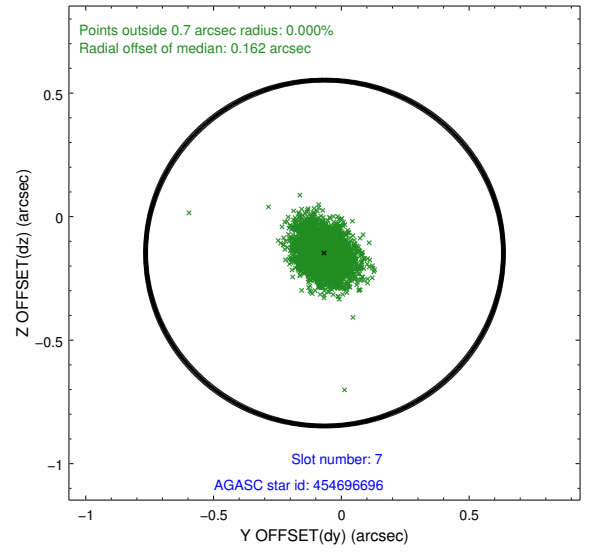
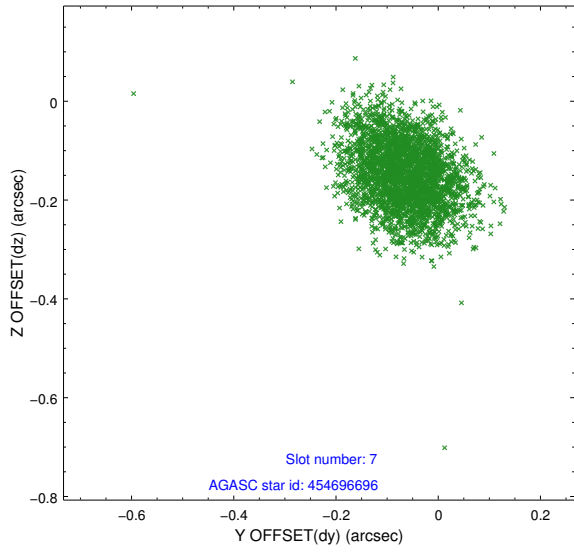
### 2.4.3 Slot 5



## 2.4.4 Slot 6

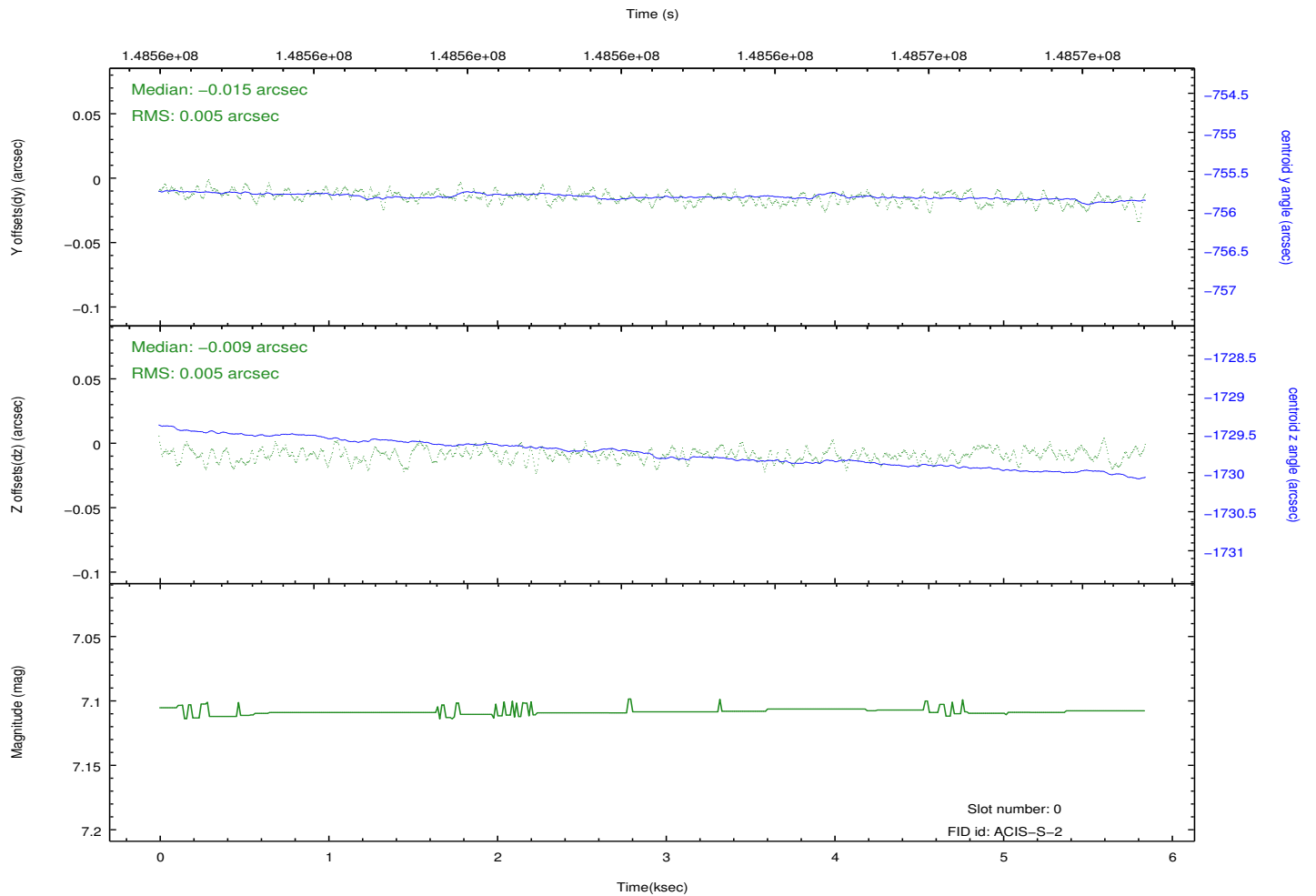
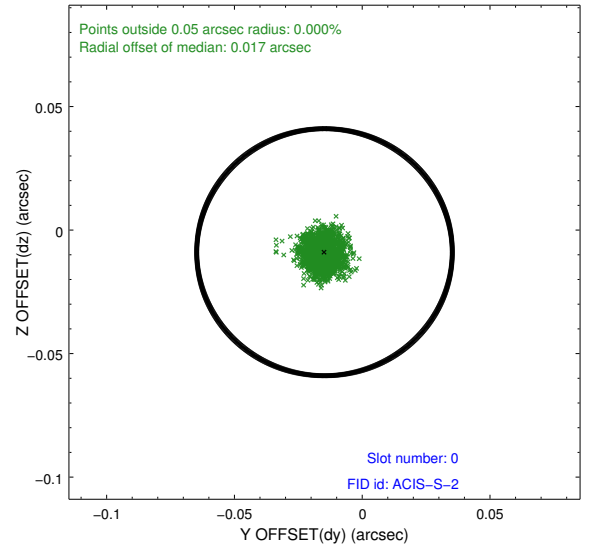
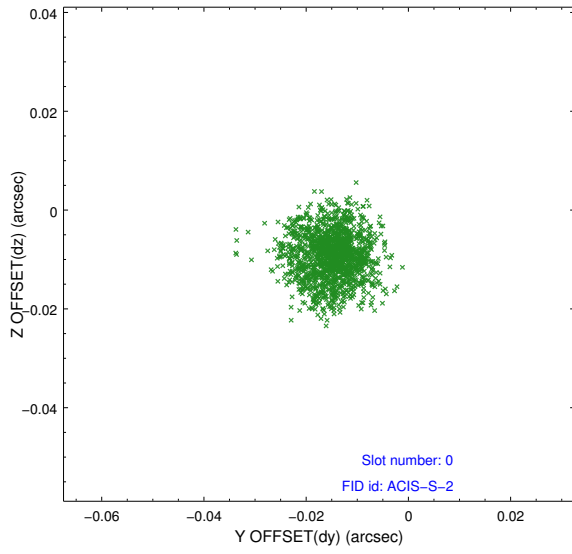


### 2.4.5 Slot 7

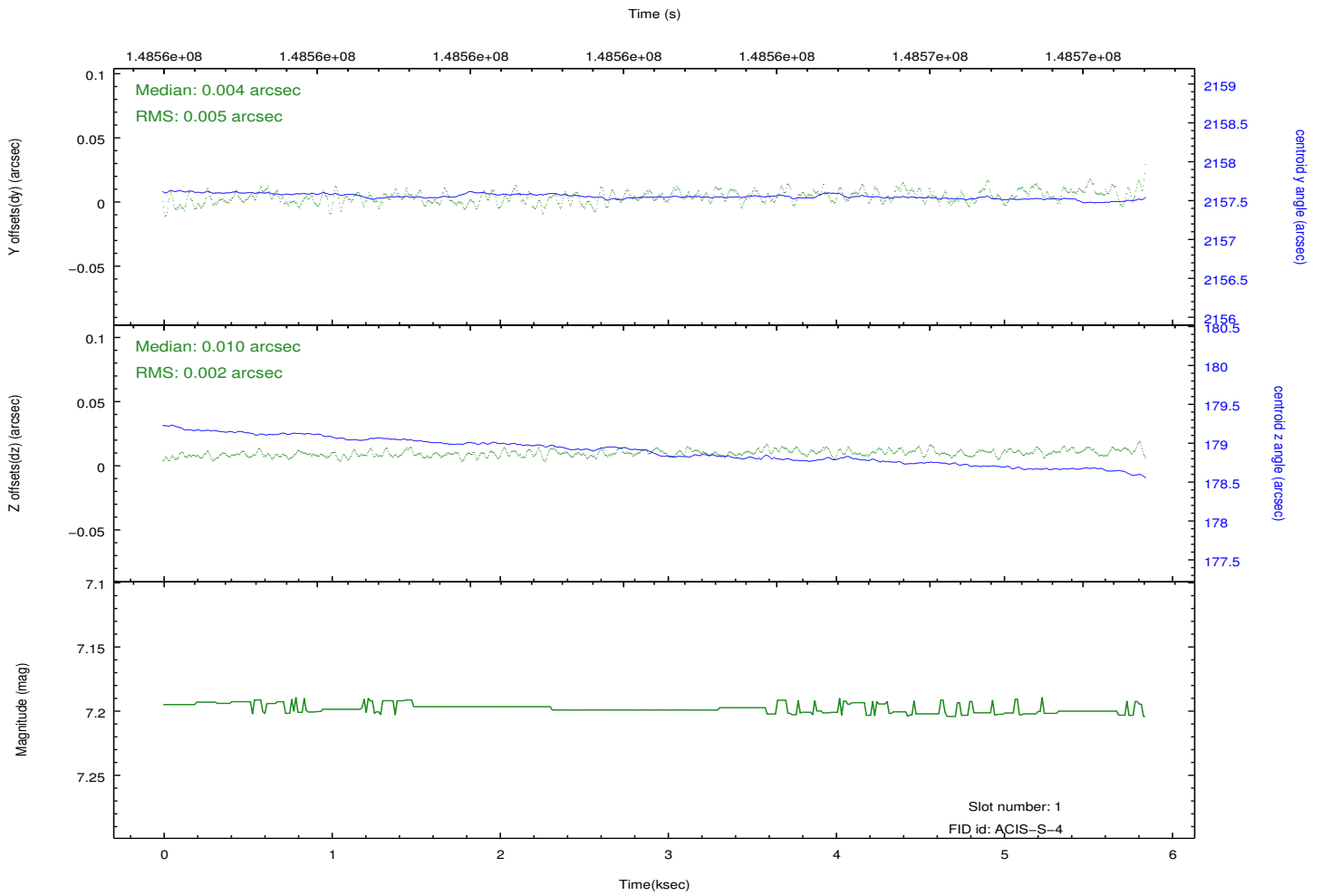
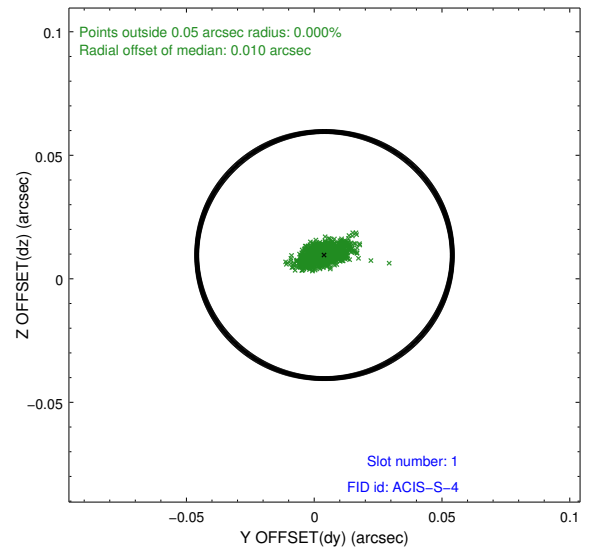
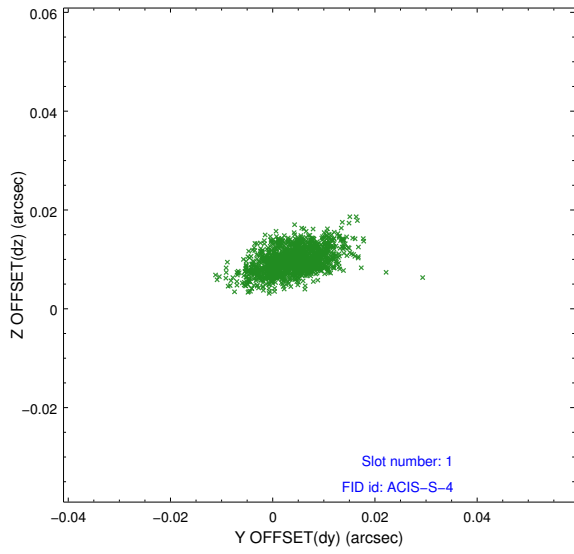


## 2.5 FID Slots

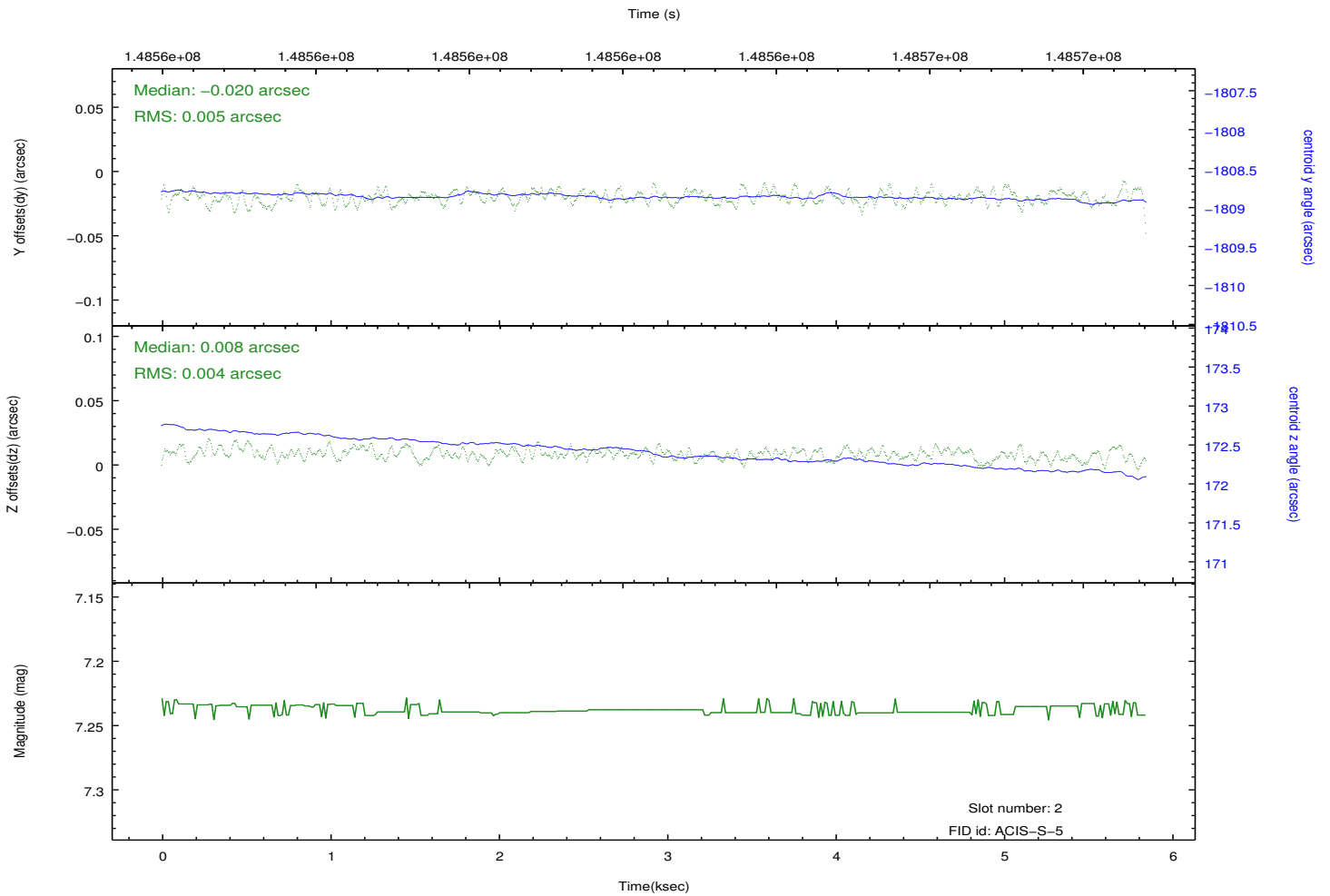
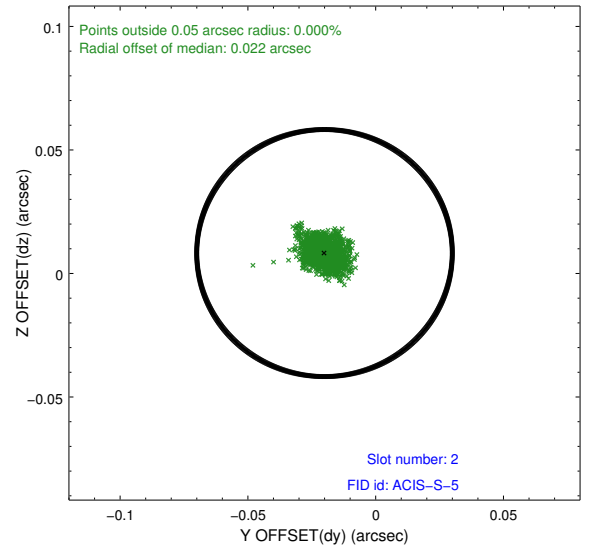
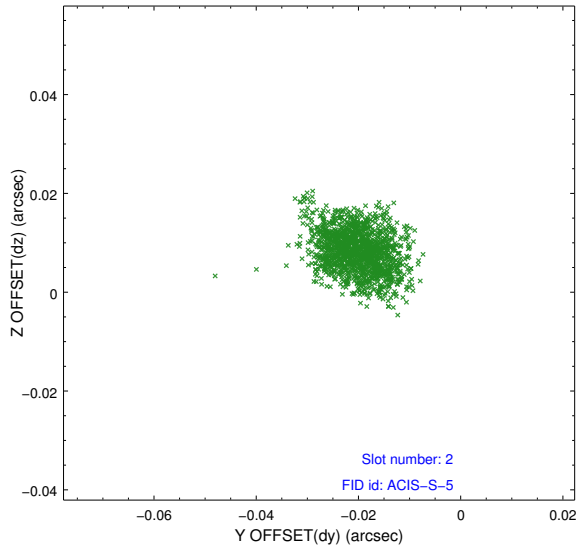
### 2.5.1 Slot 0



## 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)	2012.10.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.102

## A.2 Comments

Joint proposal with HST.