

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 3772 - L2 Version 3  
Chandra X-Ray Center

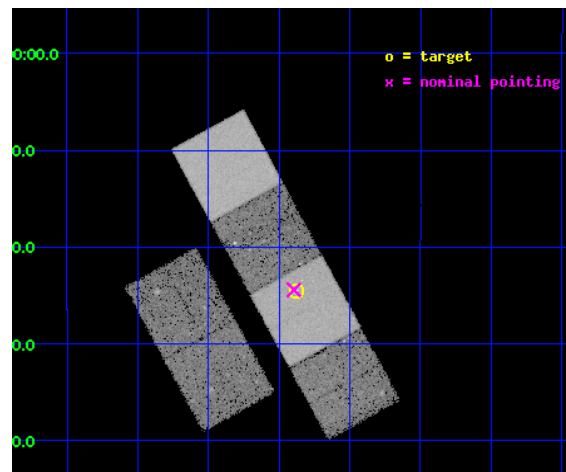
L2 Processing Date : Nov 5 2012

## 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	300097	Sequence number
obs_id	3772	Observation id
title	IN SEARCH OF THE X-RAY COUNTERPART TO KUV 01584-0939 (CET3)	Propos
observer	Dr. Tod Strohmayer	Principal investigator
object	1RXS J020052.9-092435	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	30.220417	Observer's specified target RA [deg]
dec_targ	-9.409861	Observer's specified target Dec [deg]
ra_nom	30.223850584957	Nominal RA [deg]
dec_nom	-9.4071402811072	Nominal Dec [deg]
roll_nom	61.325970295564	Nominal Roll [deg]
revision	3	Processing version of data
ontime	19989.673661679	Sum of GTIs [s]
livetime	19736.552377438	Livetime [s]
ontime2	19989.714701682	Sum of GTIs [s]
ontime3	19989.550541669	Sum of GTIs [s]
ontime5	19989.632621676	Sum of GTIs [s]
ontime6	19989.591581672	Sum of GTIs [s]
ontime7	19989.673661679	Sum of GTIs [s]
ontime8	19989.509501696	Sum of GTIs [s]
l2events	214851	Number of level 2 events

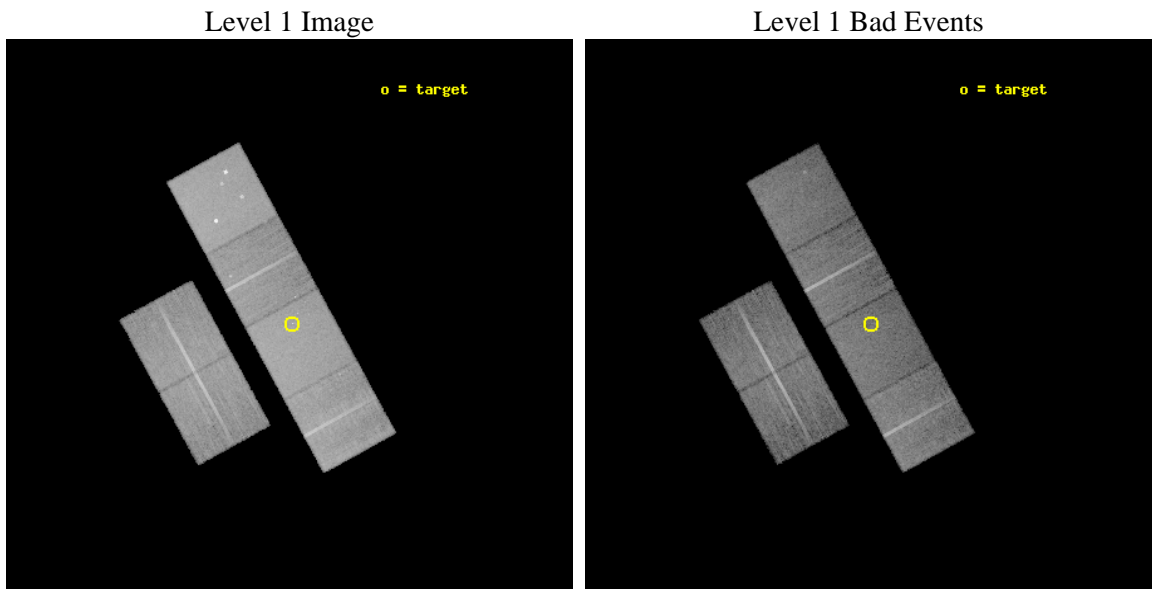




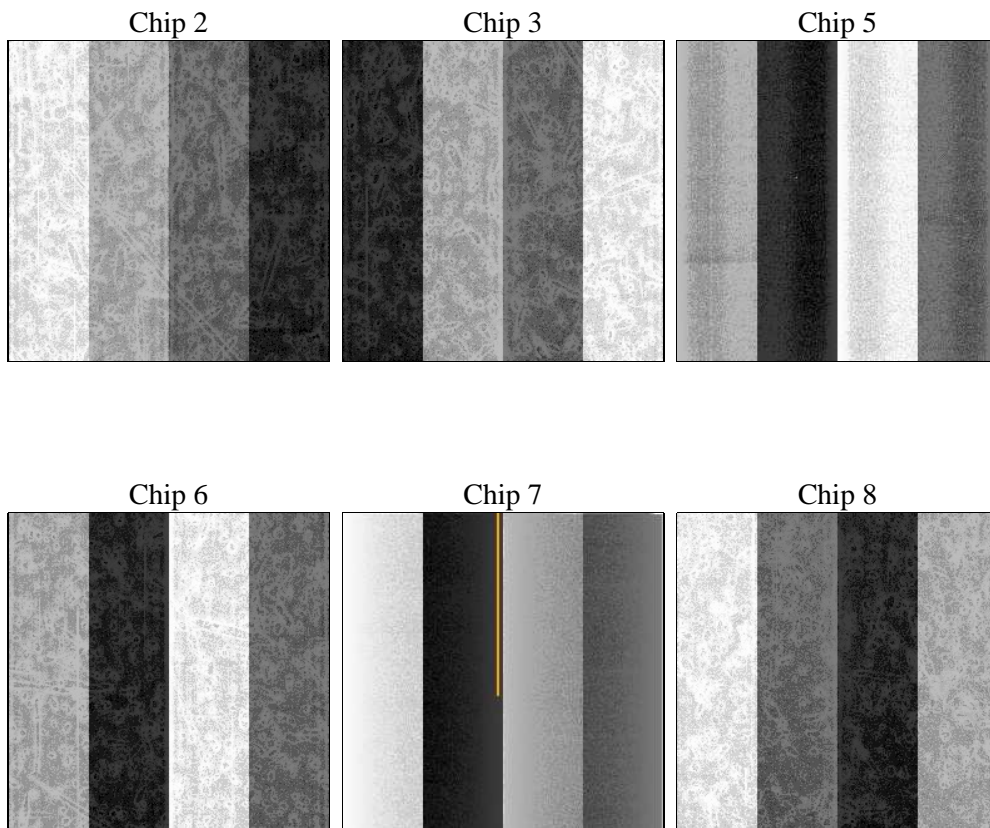
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	20000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	19989.673661679	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime2	19989.714701682	Sum of GTIs [s]
date	2012-11-05T02:50:29	Date and time of file creation	ontime3	19989.550541669	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	19989.632621676	Sum of GTIs [s]
			ontime6	19989.591581672	Sum of GTIs [s]
			ontime7	19989.673661679	Sum of GTIs [s]
			ontime8	19989.509501696	Sum of GTIs [s]
			l1events	950623	Number of level 1 events

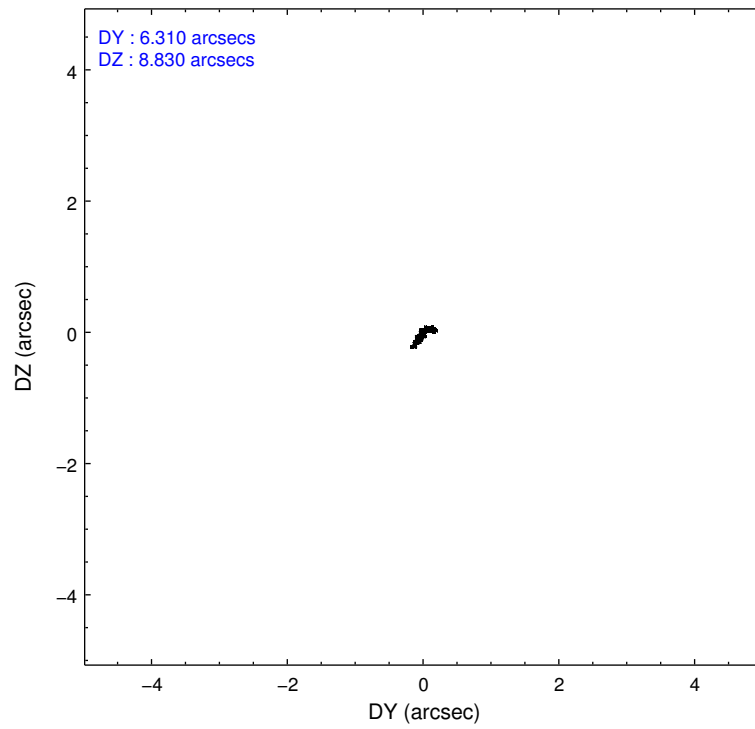
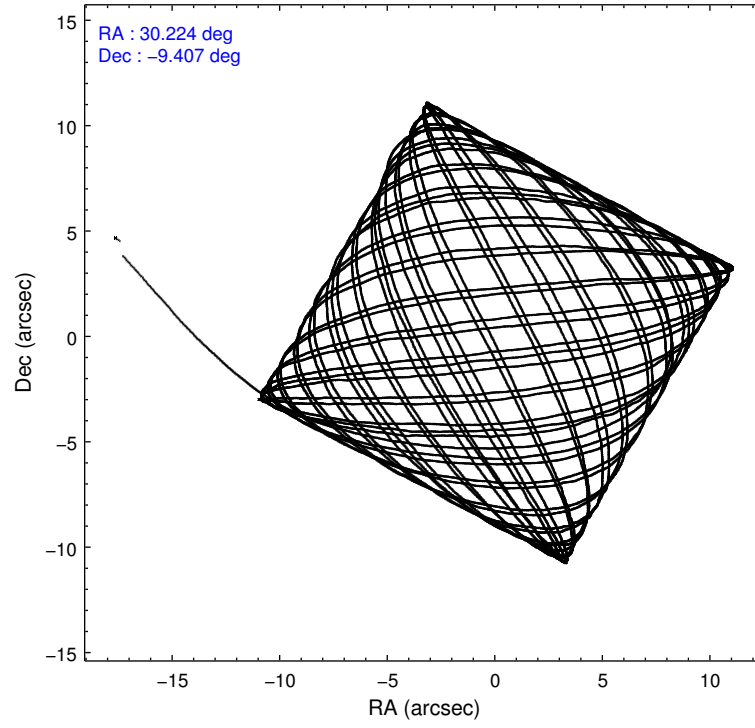
### 2.1.4 Events

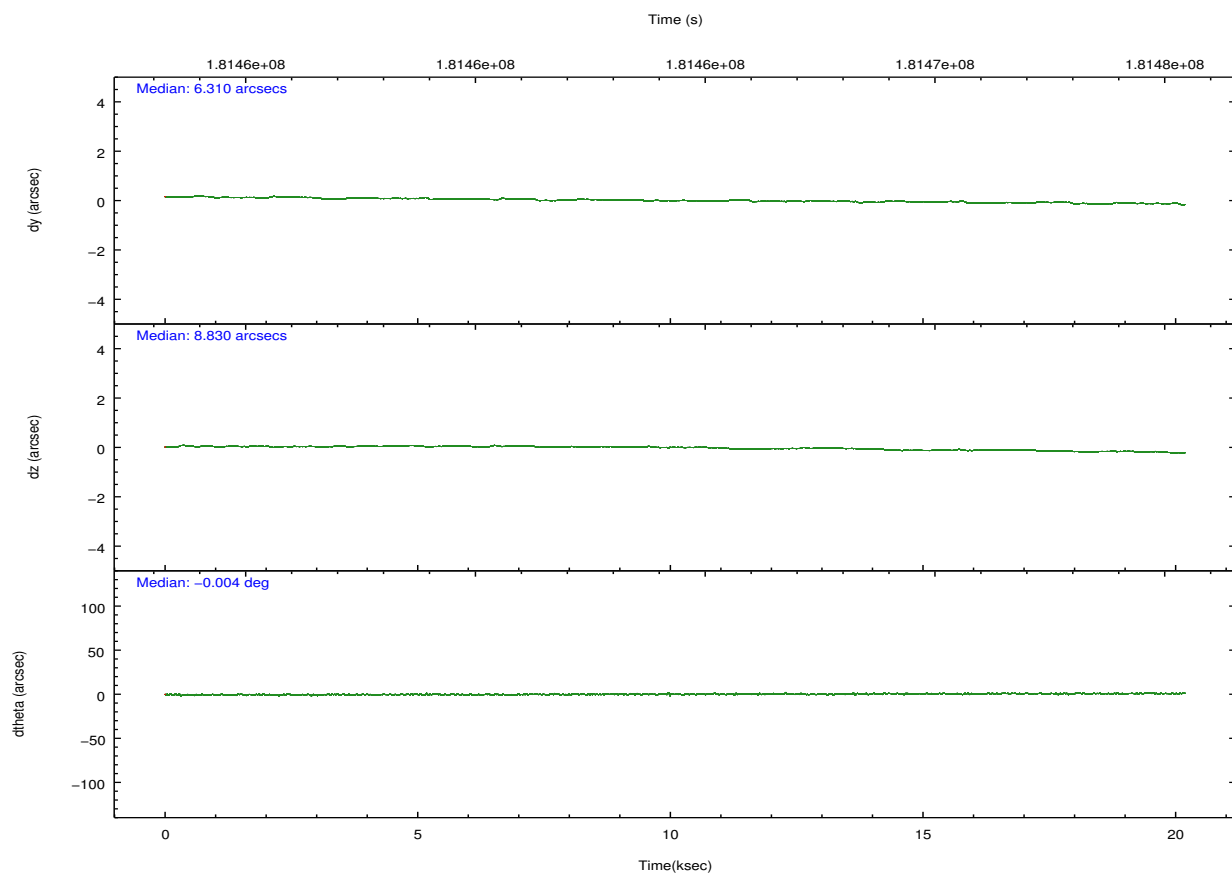
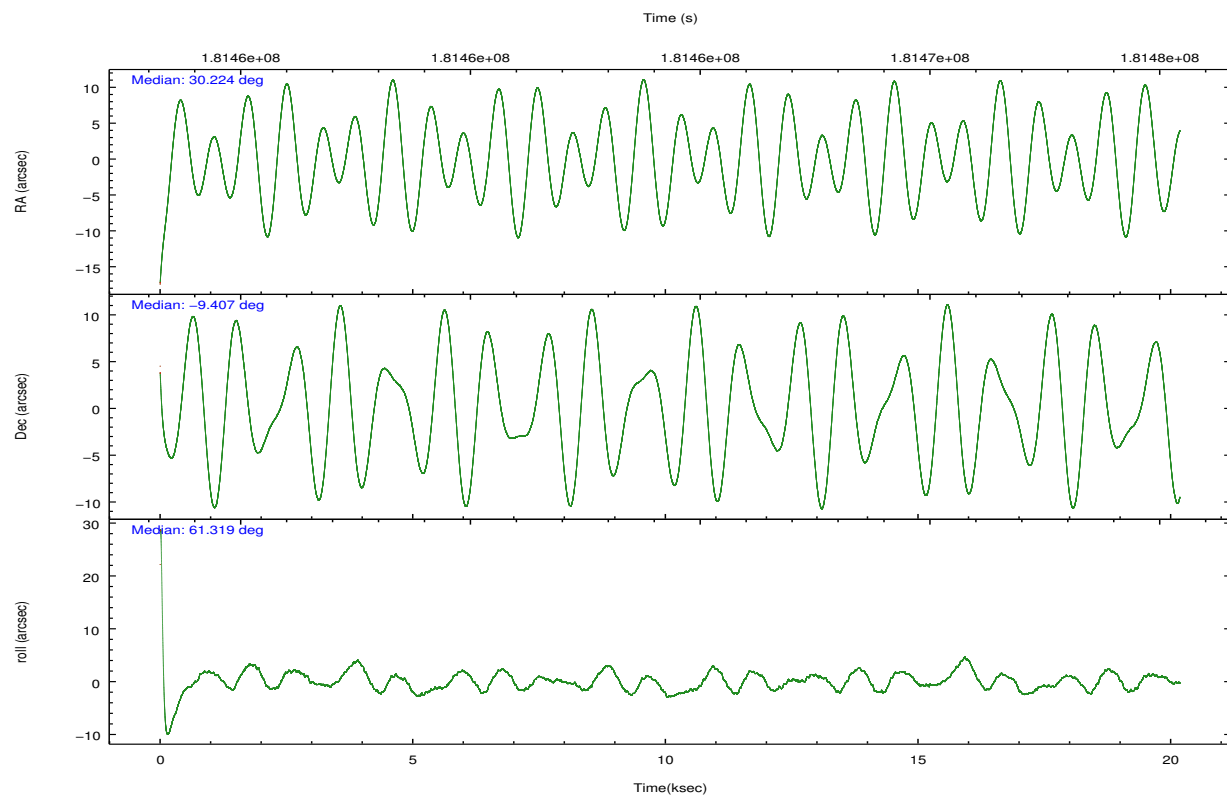
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	136683	128385	204014	134674	178738	168129	grade 0 events	6852	6782	15234	6953	6733	11122
rejected events	121184	112985	106377	118049	104370	133556		5%	5%	7%	5%	3%	6%
rejected %	88%	88%	52%	87%	58%	79%	grade 1 events	92	78	474	69	164	127
								0%	0%	0%	0%	0%	0%
							grade 2 events	3145	2857	27238	3313	14599	7656
								2%	2%	13%	2%	8%	4%
							grade 3 events	1519	1491	3776	1612	6828	3545
								1%	1%	1%	1%	3%	2%
							grade 4 events	1495	1534	3622	1559	6658	3365
								1%	1%	1%	1%	3%	2%
							grade 5 events	5228	5790	14572	6188	17009	7819
								3%	4%	7%	4%	9%	4%
							grade 6 events	2490	2739	47780	3189	39559	8888
								1%	2%	23%	2%	22%	5%
							grade 7 events	115862	107114	91318	111791	87188	125607
								84%	83%	44%	83%	48%	74%

## 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	30.224882	30.22385058495696	Subarray requested	NONE	NONE
[deg] Pointing Dec	-9.434351	-9.407140281107171	Alternating exposures requested	N	N
[deg] Pointing Roll	61.169484	61.32597029556408	[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)	181454440.184000	181453463.88342			
Observation start date	2003-10-02T03:59:36	2003-10-02T03:44:23			
[s] Observation end time (MET)	181474440.184000	181475233.85935			
Observation end date	2003-10-02T09:32:56	2003-10-02T09:47:13			
Read mode	TIMED	TIMED			

## 2.3 Aspect



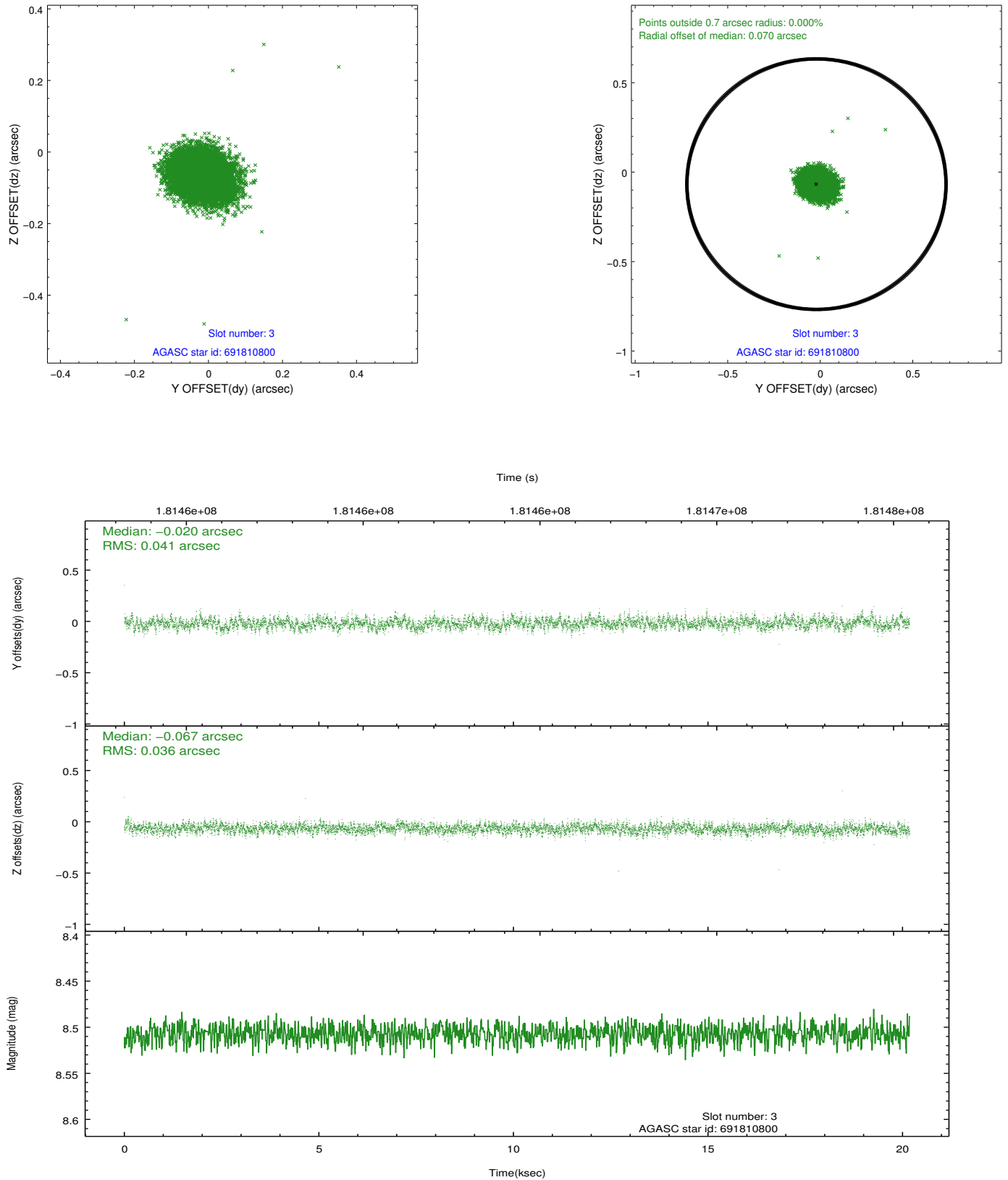


### Slot Statistics

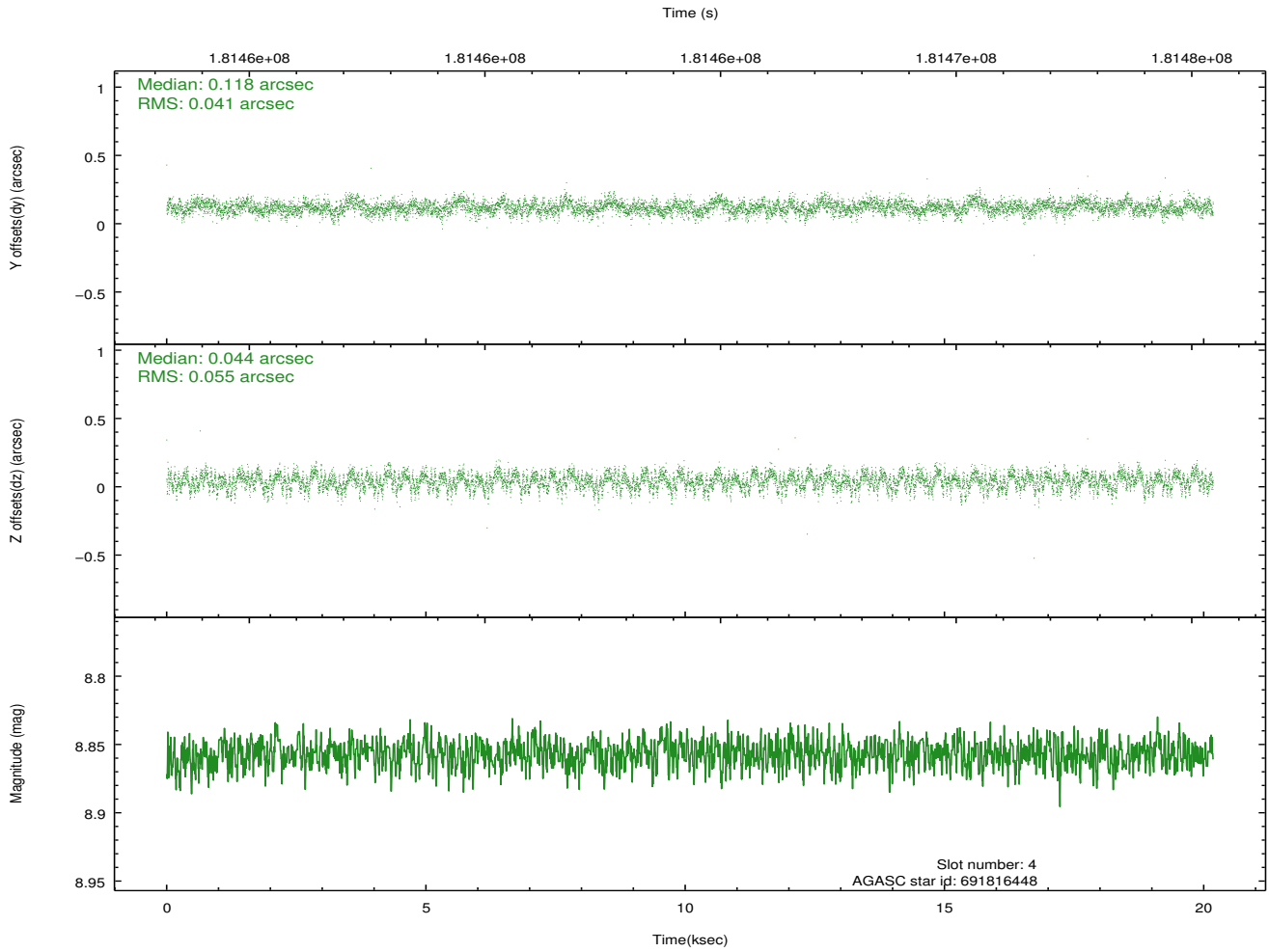
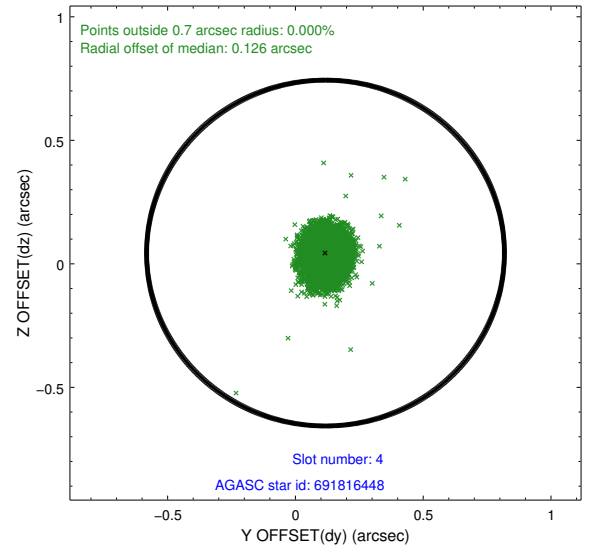
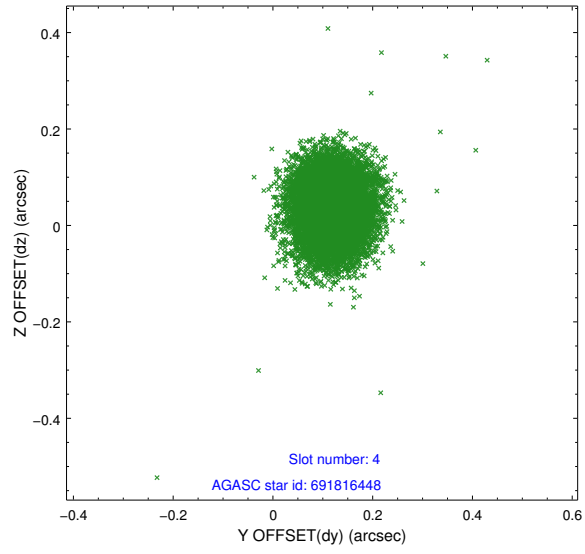
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	4923	-0.060	-0.030	0.006	0.010	0.000000	0.000000	-759.12	-1730.04
1	FID	ACIS-S-4	7.20	4923	0.047	0.038	0.007	0.011	0.000000	0.000000	2154.19	178.31
2	FID	ACIS-S-6	7.35	4923	-0.015	-0.001	0.007	0.012	0.000000	0.000000	403.16	815.89
3	GUIDE	691810800	8.51	9846	-0.020	-0.067	0.058	0.093	29.827543	-9.580078	-1140.20	982.03
4	GUIDE	691816448	8.86	9844	0.118	0.044	0.072	0.117	30.462204	-9.761212	-624.98	-1305.07
5	GUIDE	692203568	7.18	9846	-0.029	0.164	0.066	0.108	30.896611	-9.460810	1065.26	-2136.45
6	GUIDE	692207720	9.31	9843	-0.093	-0.205	0.076	0.125	30.798747	-9.235457	1609.70	-1442.06
7	GUIDE	691814552	9.56	9838	0.023	0.073	0.104	0.169	29.959161	-8.584435	2224.36	2304.34

## 2.4 Star Slots

### 2.4.1 Slot 3

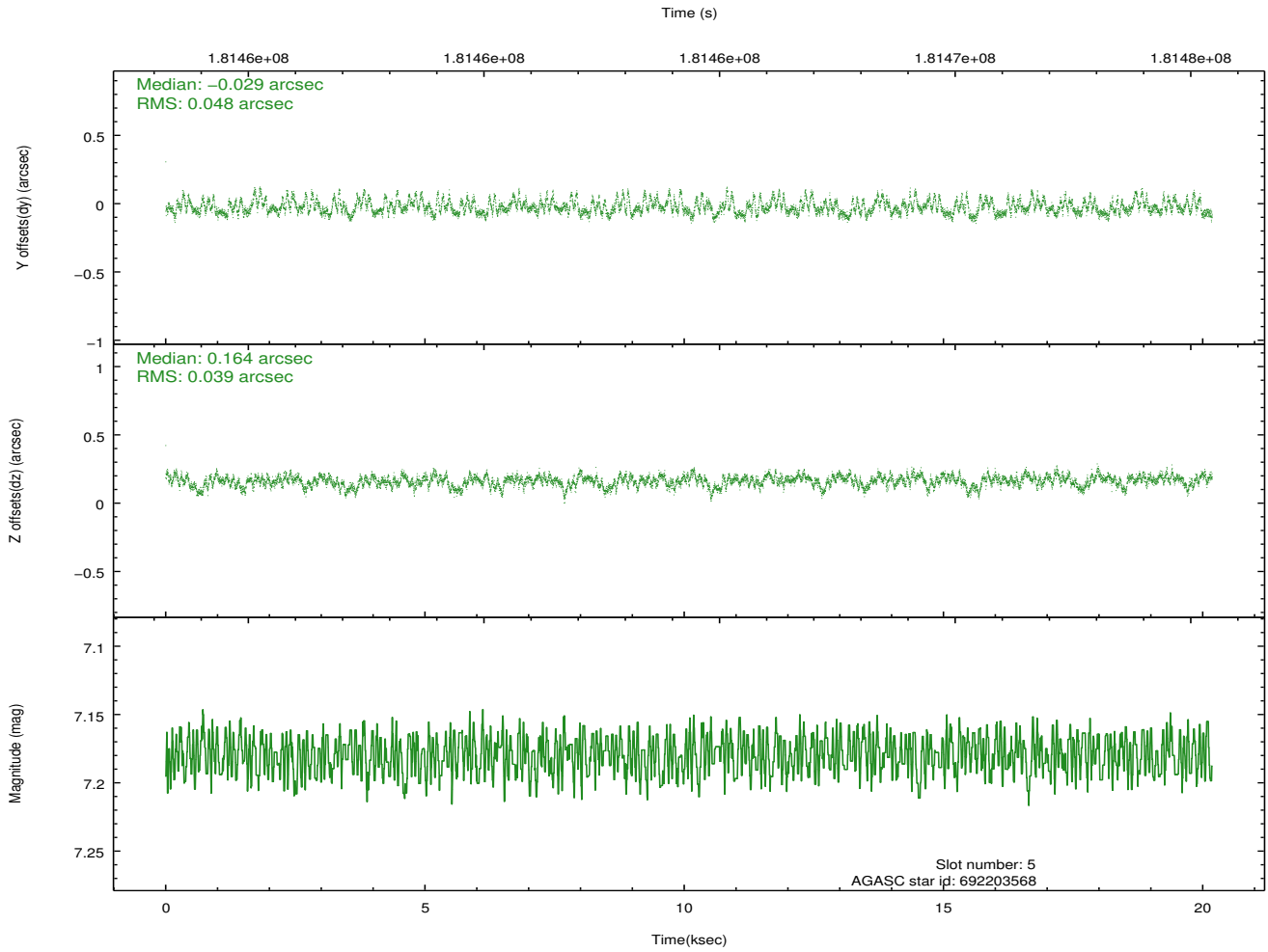
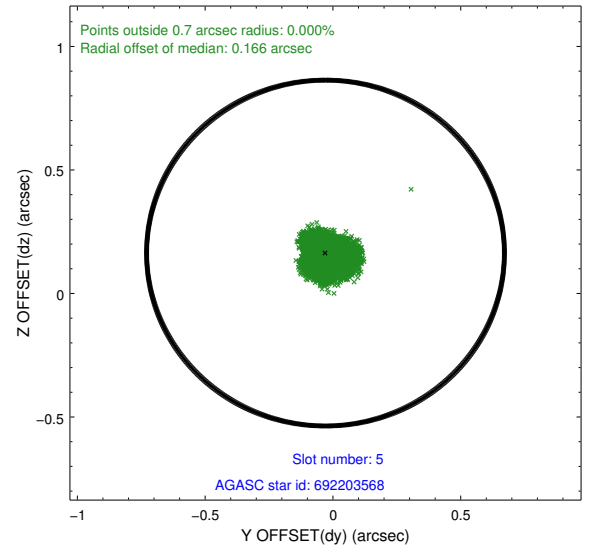
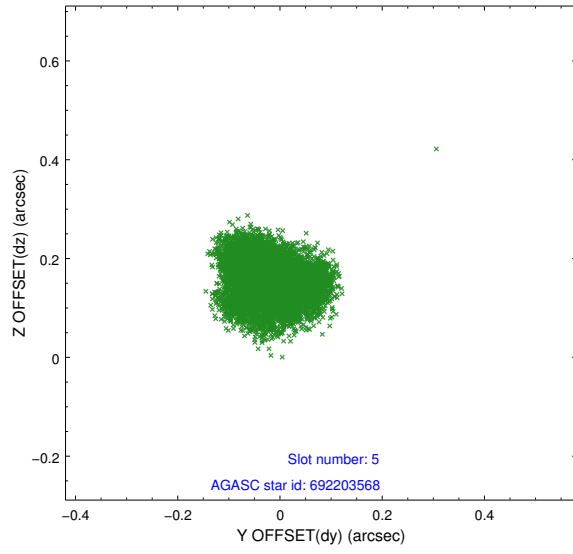


## 2.4.2 Slot 4

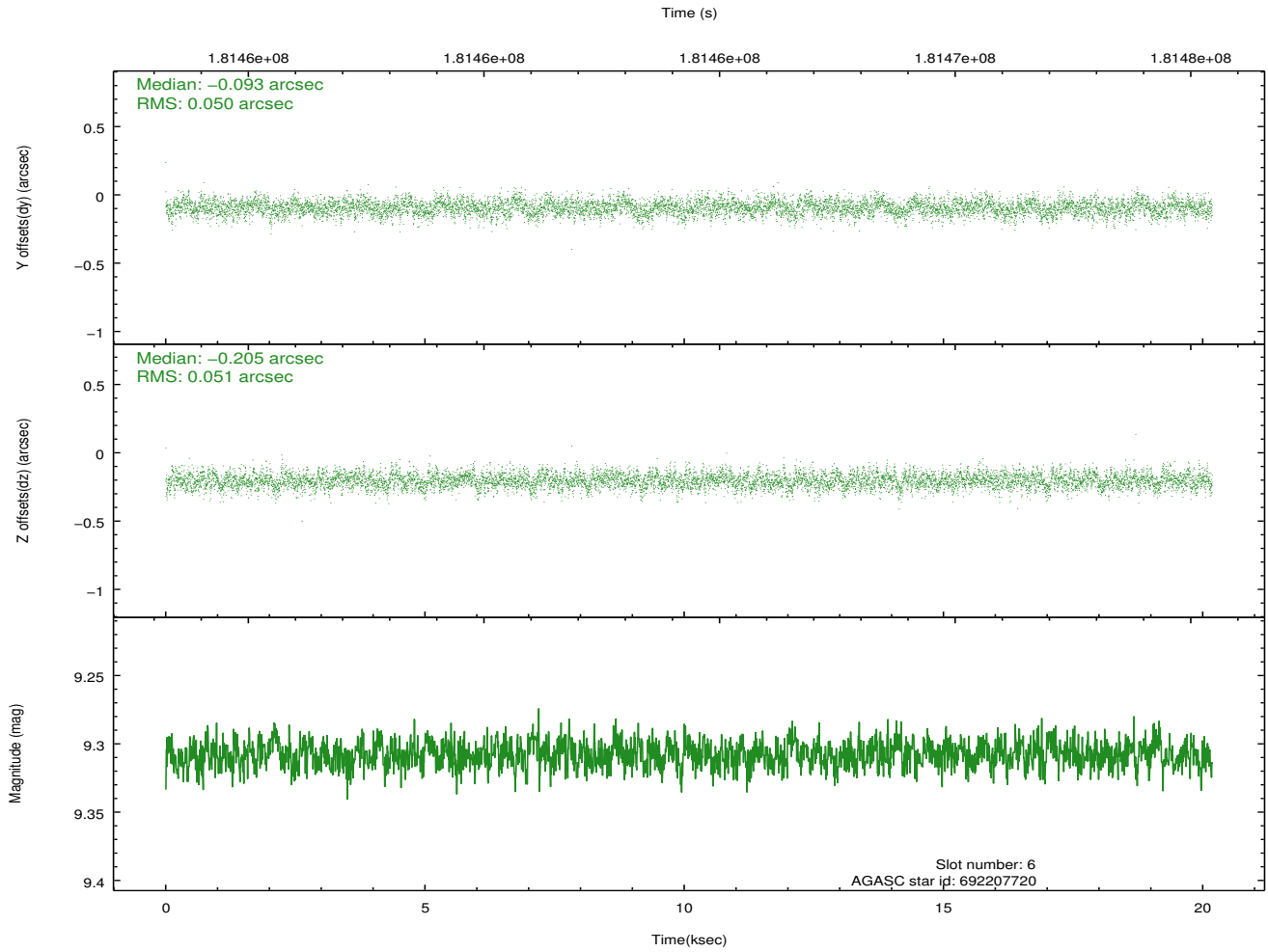
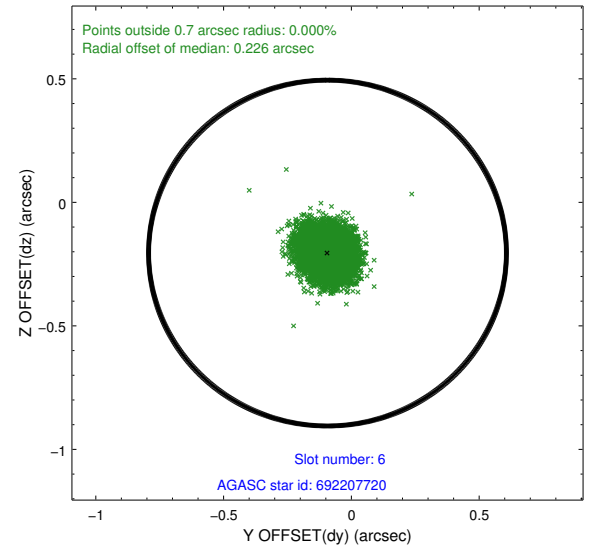
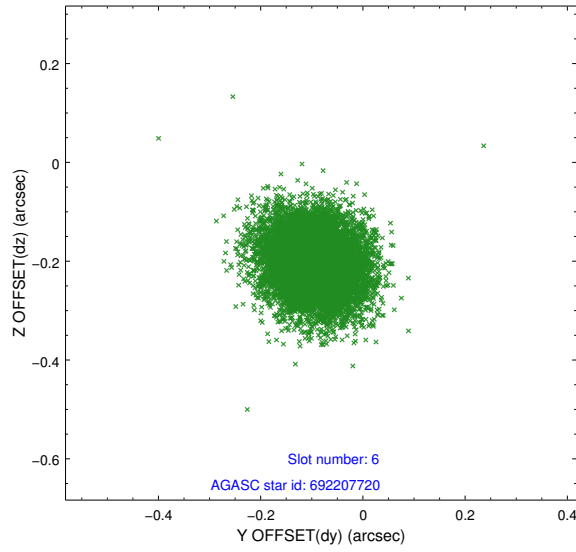




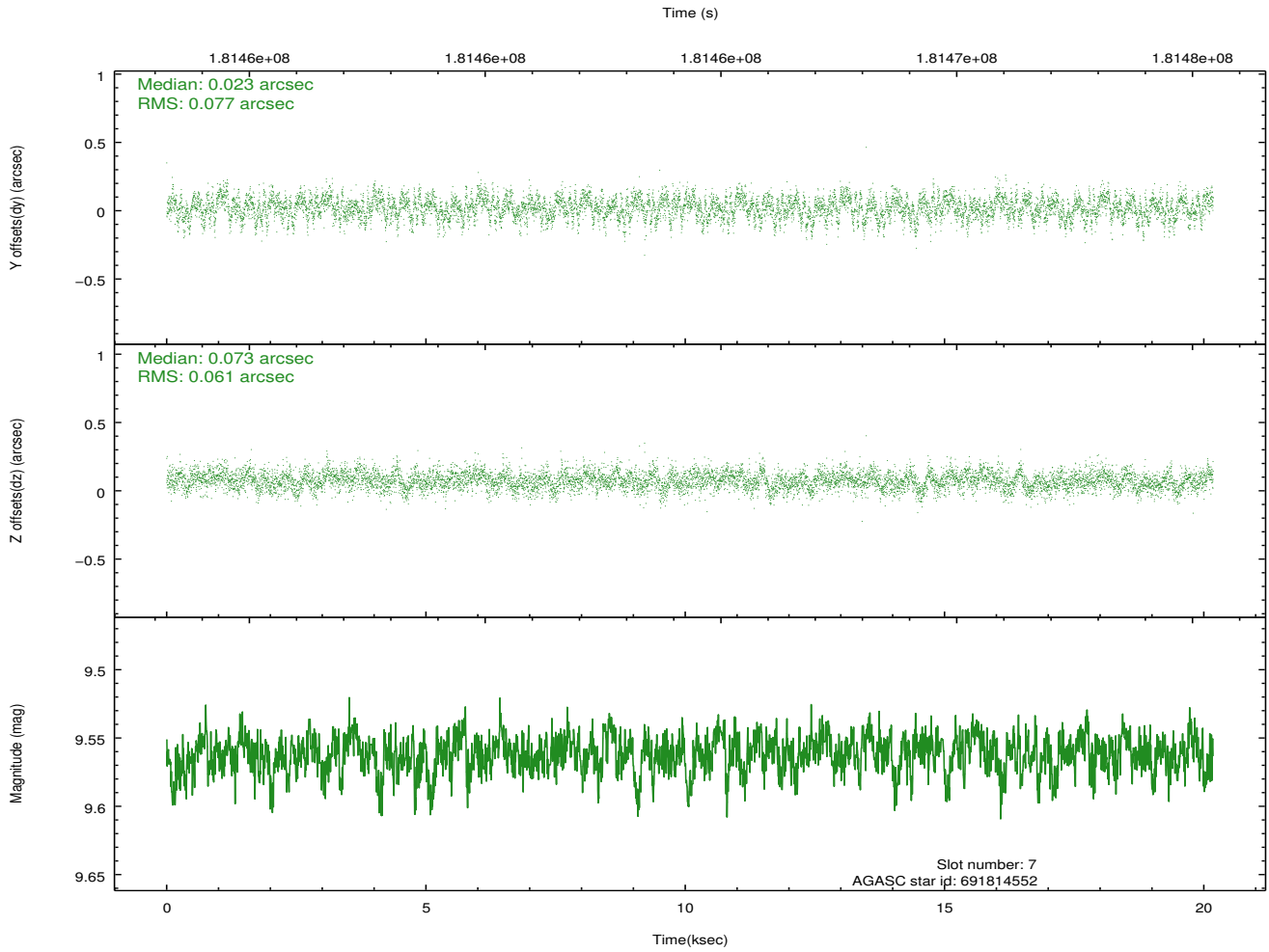
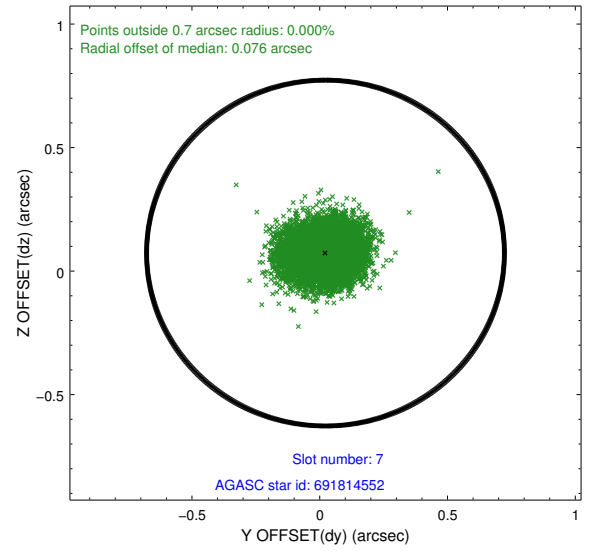
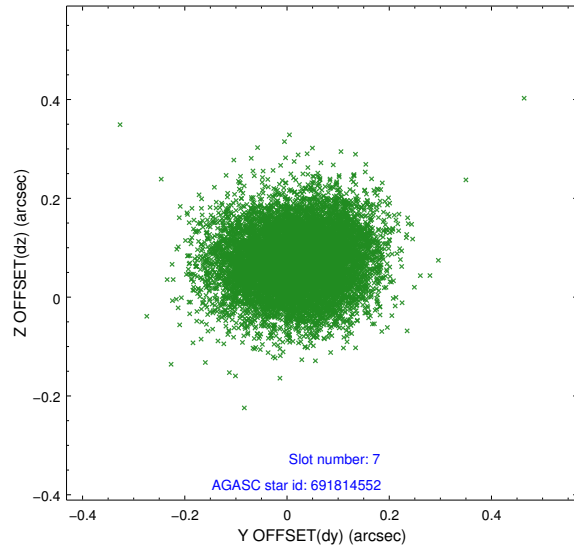
### 2.4.3 Slot 5



## 2.4.4 Slot 6

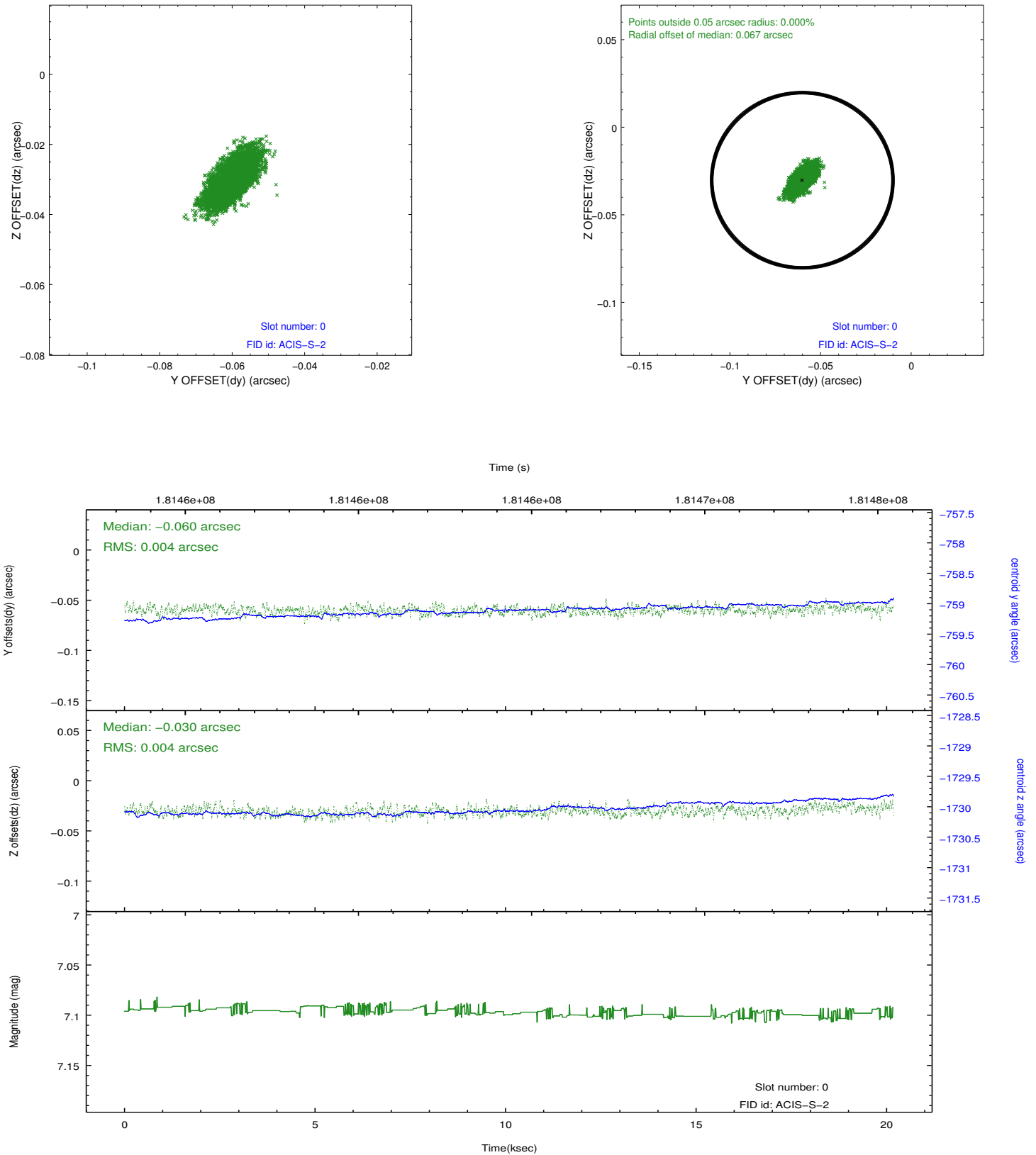


## 2.4.5 Slot 7

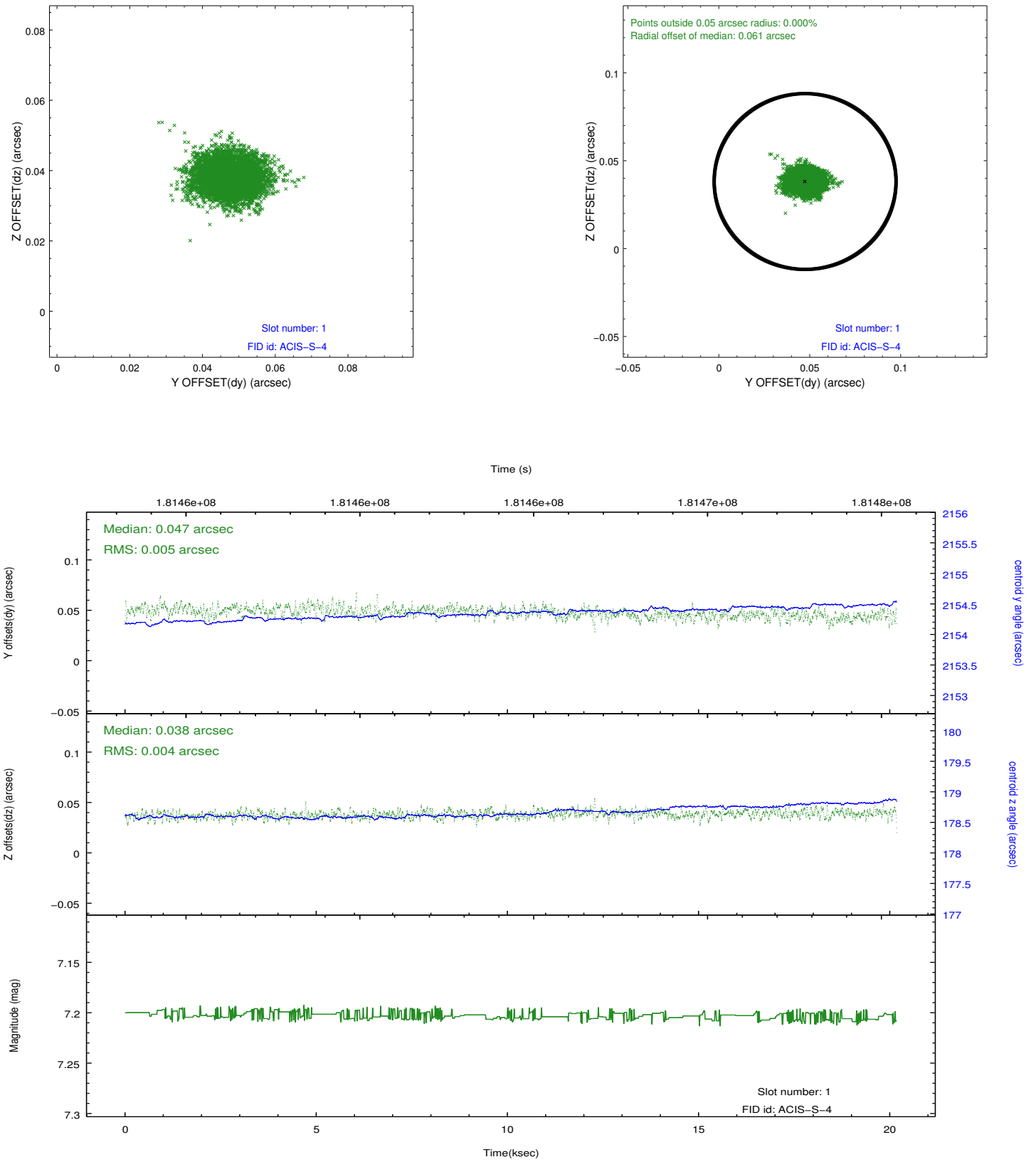


## 2.5 FID Slots

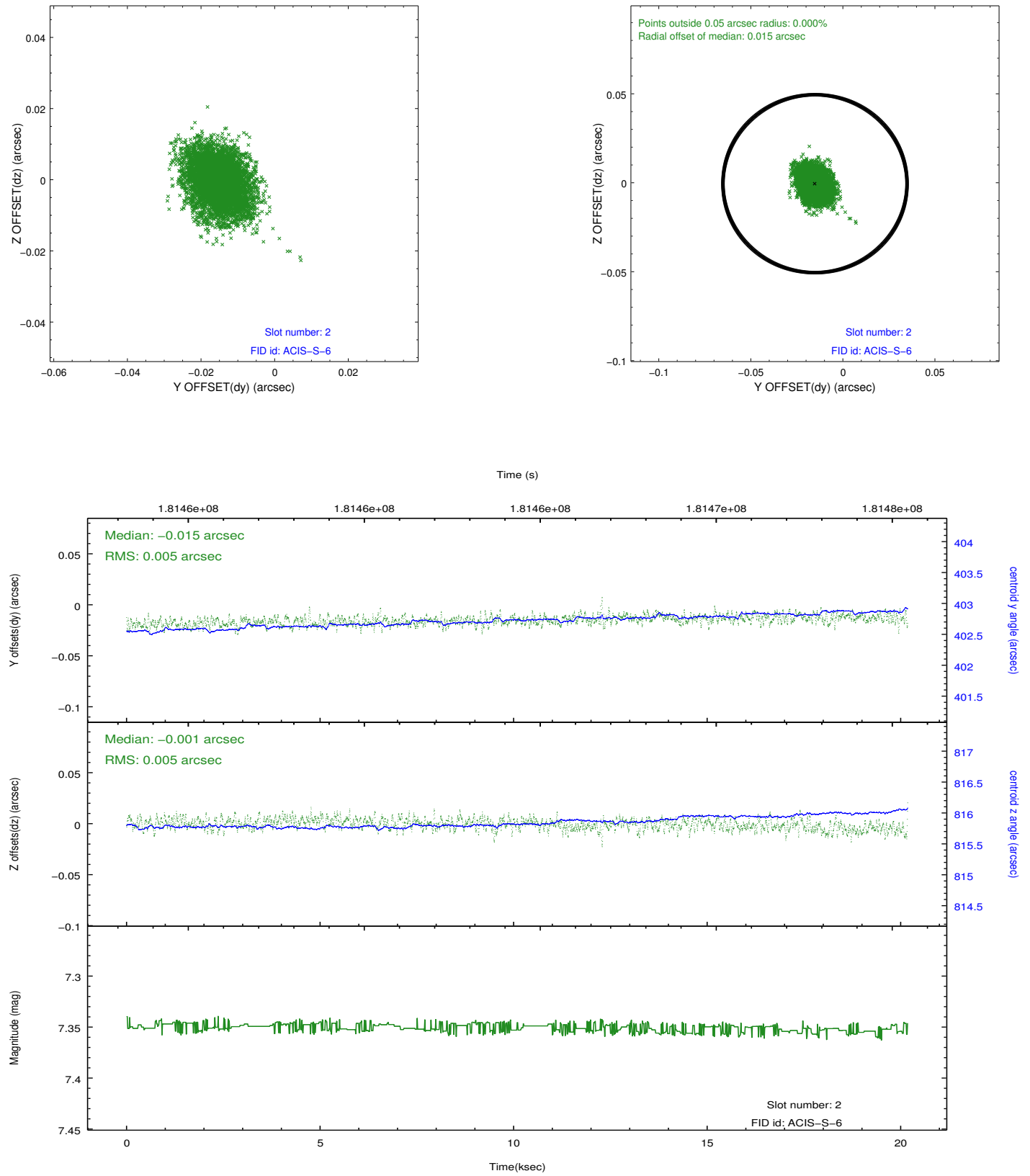
### 2.5.1 Slot 0



## 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)	2012.11.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.99

### A.2 Comments