

# V&V Reference Report

## L2 ASCDS Version : 8.4.3.1

Observation 6904 - L2 Version 4  
Chandra X-Ray Center

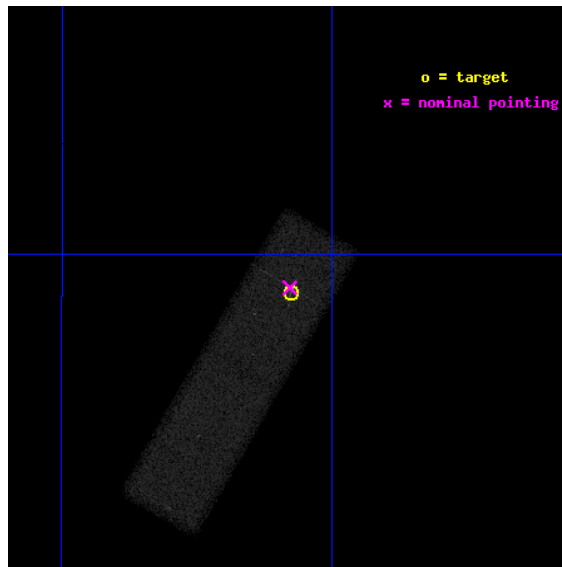
L2 Processing Date : Apr 13 2012

## 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

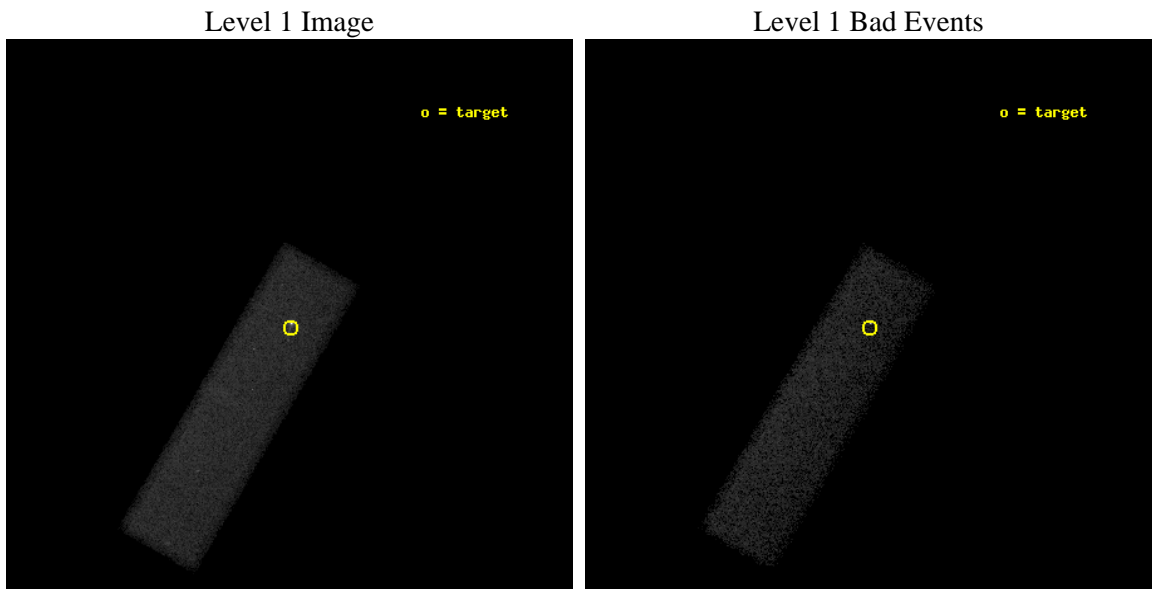
seq_num	701320	Sequence number
obs_id	6904	Observation id
title	The Long X-ray Jet of Quasar 4C19.44	Proposal title
observer	Dr. Daniel Harris	Principal investigator
object	4C19.44	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	209.26875	Observer's specified target RA
dec_targ	19.316944	Observer's specified target Dec
ra_nom	209.26960576475	Nominal RA
dec_nom	19.318858722257	Nominal Dec
roll_nom	120.31654907422	Nominal Roll
revision	4	Processing version of data
ontime	36528.800544322	Sum of GTIs [s]
livetime	34746.314605081	Livetime [s]
ontime7	36528.800544322	Sum of GTIs [s]
l2events	82050	Number of level 2 events



## 2 OBI

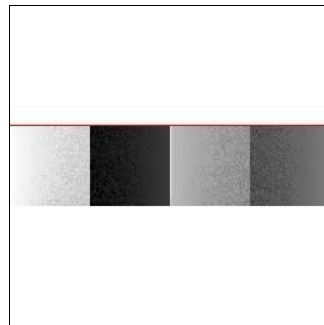
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	38876.403000	Scheduled observation exposure time
ascdsver	8.4.3.1	Processing system revision	ontime	36528.800544322	Sum of GTIs [s]
caldbver	4.4.9	&#160	ontime7	36528.800544322	Sum of GTIs [s]
date	2012-04-13T21:27:11	Date and time of file creation	l1events	147044	Number of level 1 events
revision	4	Processing version of data			

### 2.1.4 Events

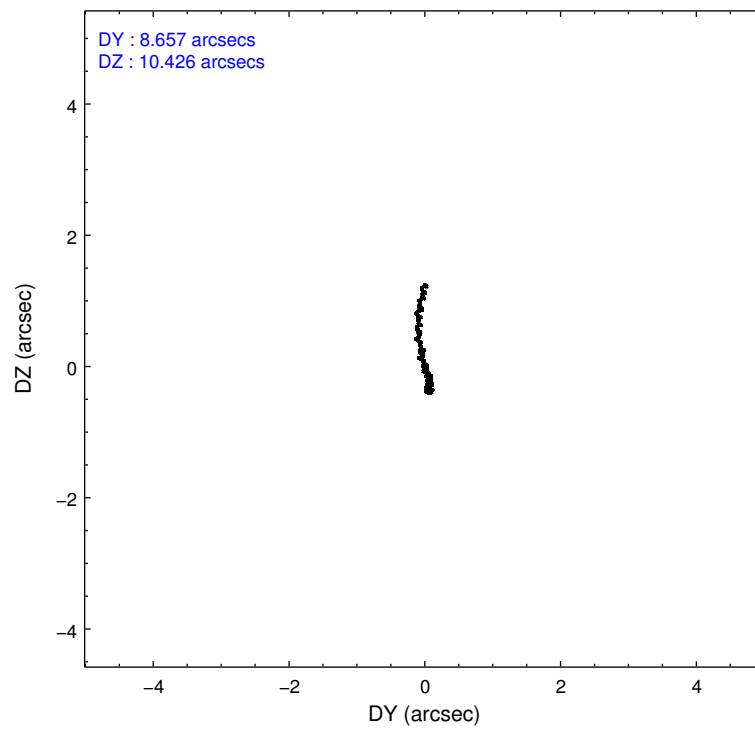
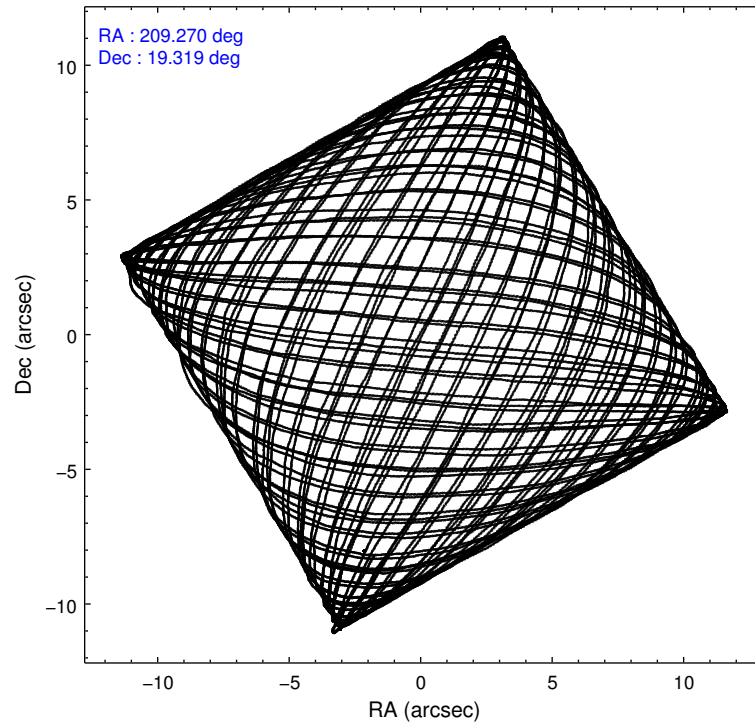
	<b>ccd 7</b>
level 1 events	147044
rejected events	63288
rejected %	43%

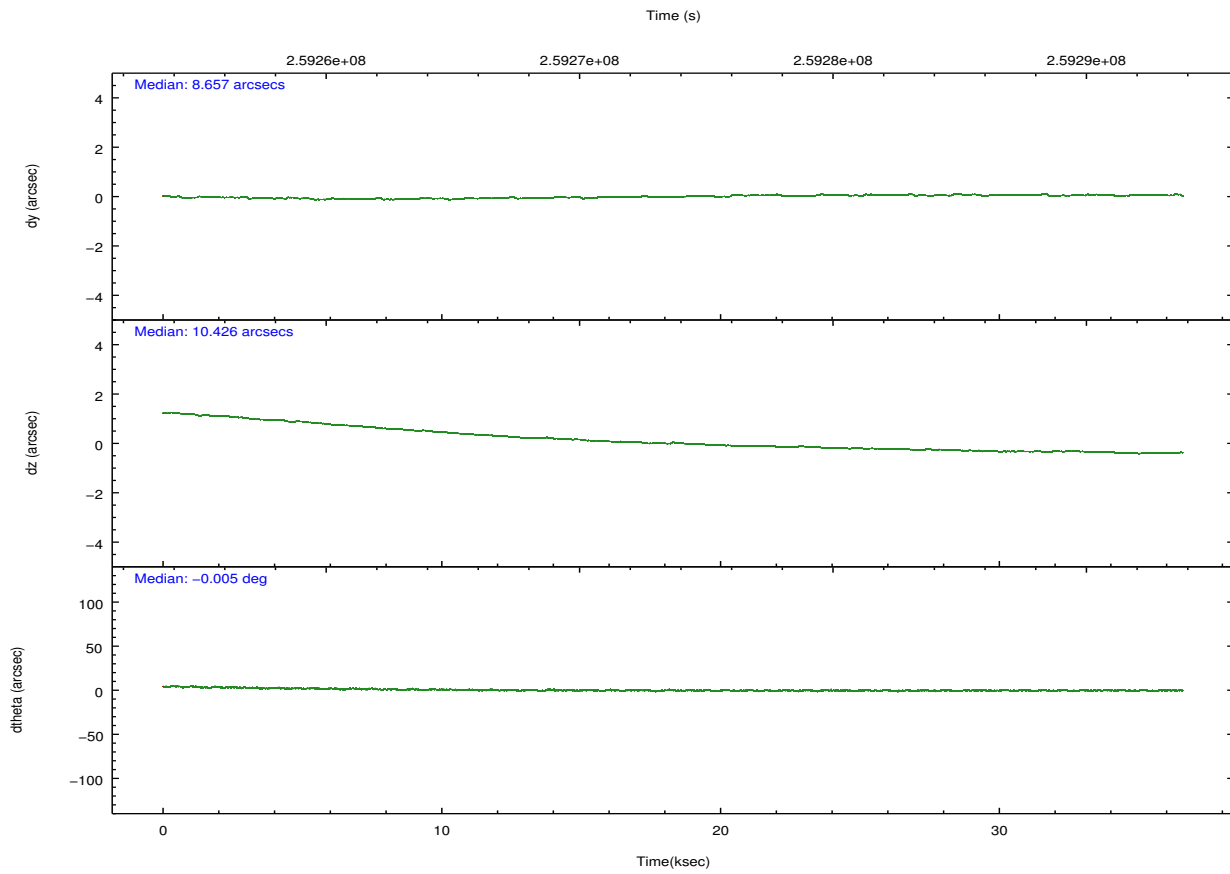
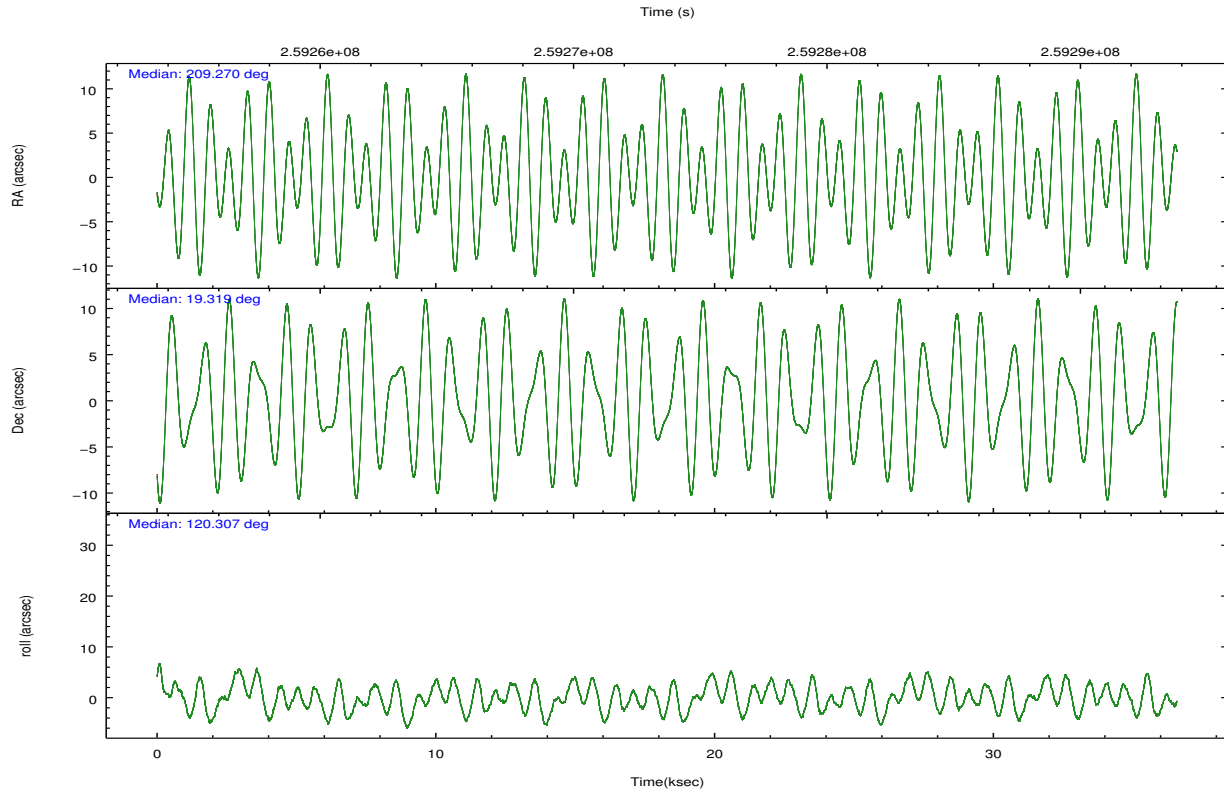
	<b>ccd 7</b>
grade 0 events	11805
	8%
grade 1 events	314
	0%
grade 2 events	17333
	11%
grade 3 events	8679
	5%
grade 4 events	8741
	5%
grade 5 events	11531
	7%
grade 6 events	37372
	25%
grade 7 events	51269
	34%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	209.294874	209.2696057647483	Subarray requested	CUSTOM	CUSTOM
Pointing Dec	19.305689	19.31885872225725	Subarray start row	385	385
Pointing Roll	120.151562	120.3165490742173	Subarray row count	256	256
[mm] SIM focus pos	-0.6828225247311905	-0.6828225247311905	Alternating exposures requested	N	N
SIM defocus (mm)	0.001444942264670179	0.001444942264670179	Primary exposure time	0.8	0.8
[mm] SIM translation stage pos	-190.1400660498719	-190.1400660498719			
SIM translation stage offset (mm)	0.007542945904702947	0.007542945904702947			
Observation start time	259255395.184000	259255395.184			
Observation start date	2006-03-20T15:22:10	2006-03-20T15:23:15			
Observation end time	259291978.800000	259291978.8			
Observation end date	2006-03-21T01:32:59	2006-03-21T01:32:58			
Read mode	TIMED	TIMED			

## 2.3 Aspect



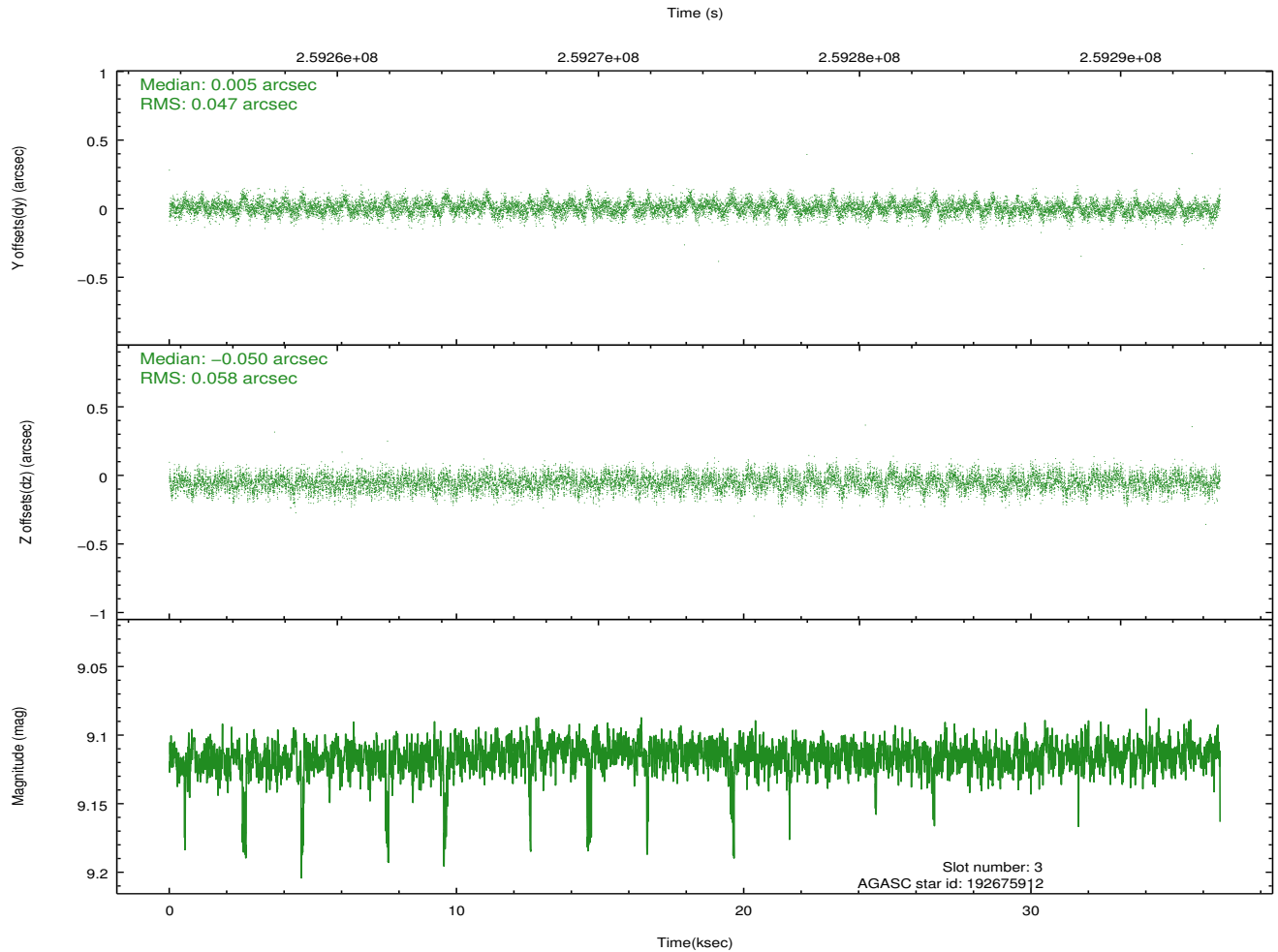
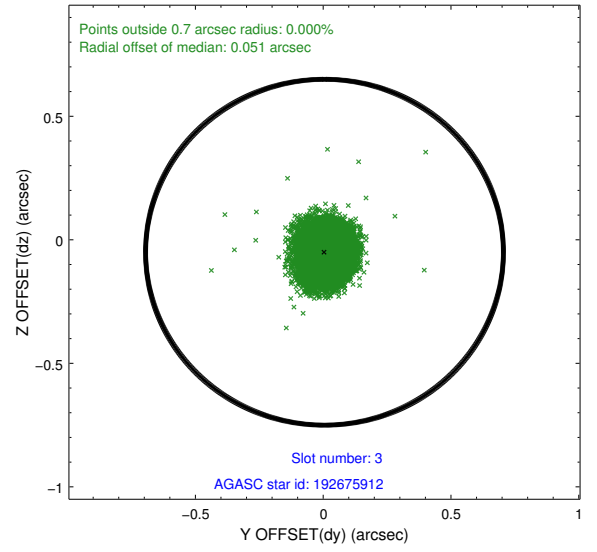
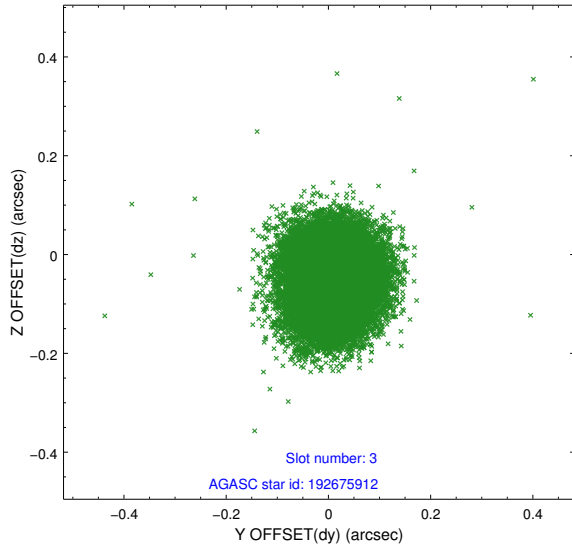


### Slot Statistics

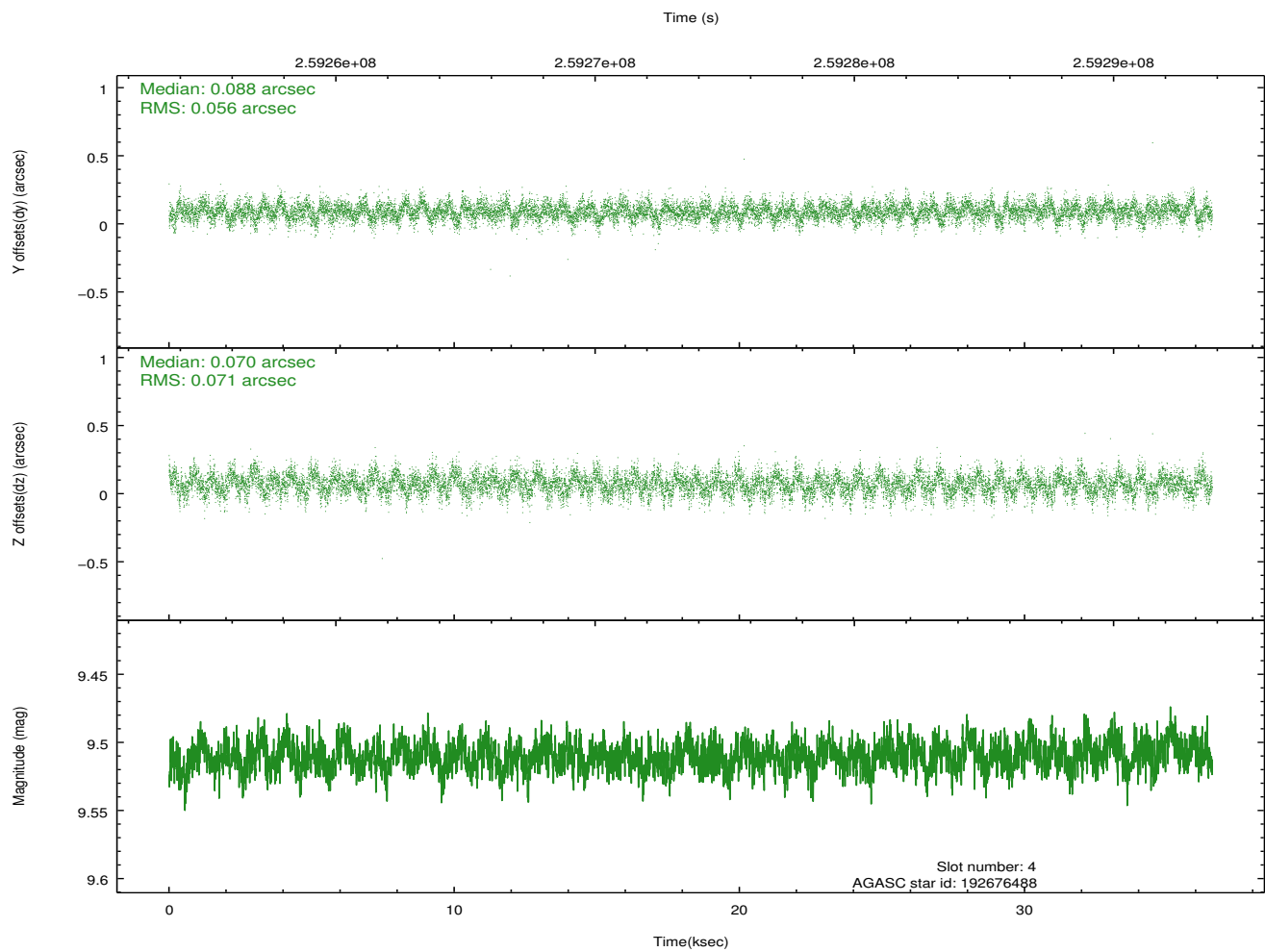
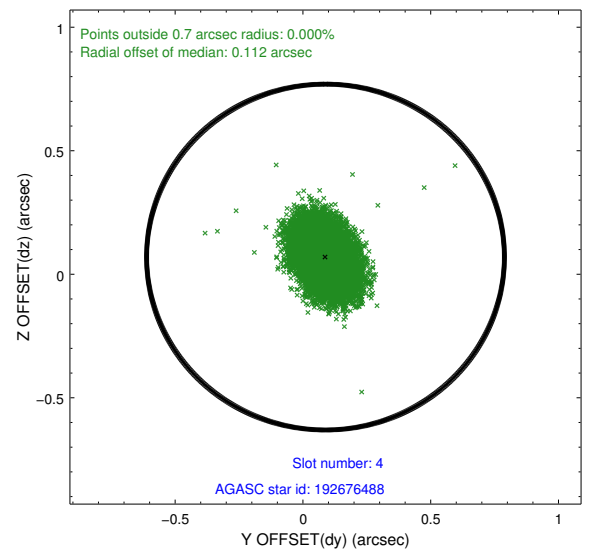
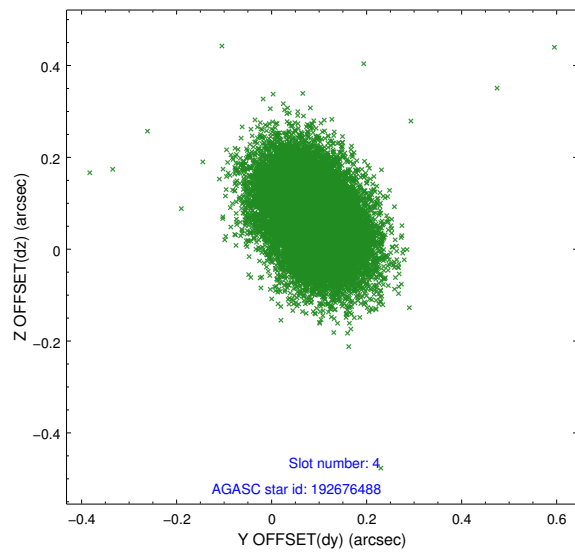
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	8922	-0.039	-0.017	0.012	0.021	0.000000	0.000000	-761.45	-1731.88
1	FID	ACIS-S-4	7.21	8922	0.135	0.024	0.012	0.022	0.000000	0.000000	2151.94	176.67
2	FID	ACIS-S-5	7.23	8922	-0.127	0.003	0.009	0.016	0.000000	0.000000	-1814.38	170.27
3	GUIDE	192675912	9.12	17798	0.005	-0.050	0.079	0.127	209.556745	19.286625	-505.02	-734.19
4	GUIDE	192676488	9.51	17833	0.088	0.070	0.095	0.159	209.700751	19.421069	-331.04	-1400.61
5	GUIDE	192677632	9.20	17819	0.113	-0.029	0.096	0.159	209.730671	18.841125	-2189.90	-444.58
6	GUIDE	192678056	9.44	17816	-0.166	0.016	0.104	0.165	209.629569	19.594794	330.85	-1504.42
7	GUIDE	192680448	8.10	17838	-0.043	-0.005	0.057	0.093	209.583470	18.944304	-1617.57	-196.58

## 2.4 Star Slots

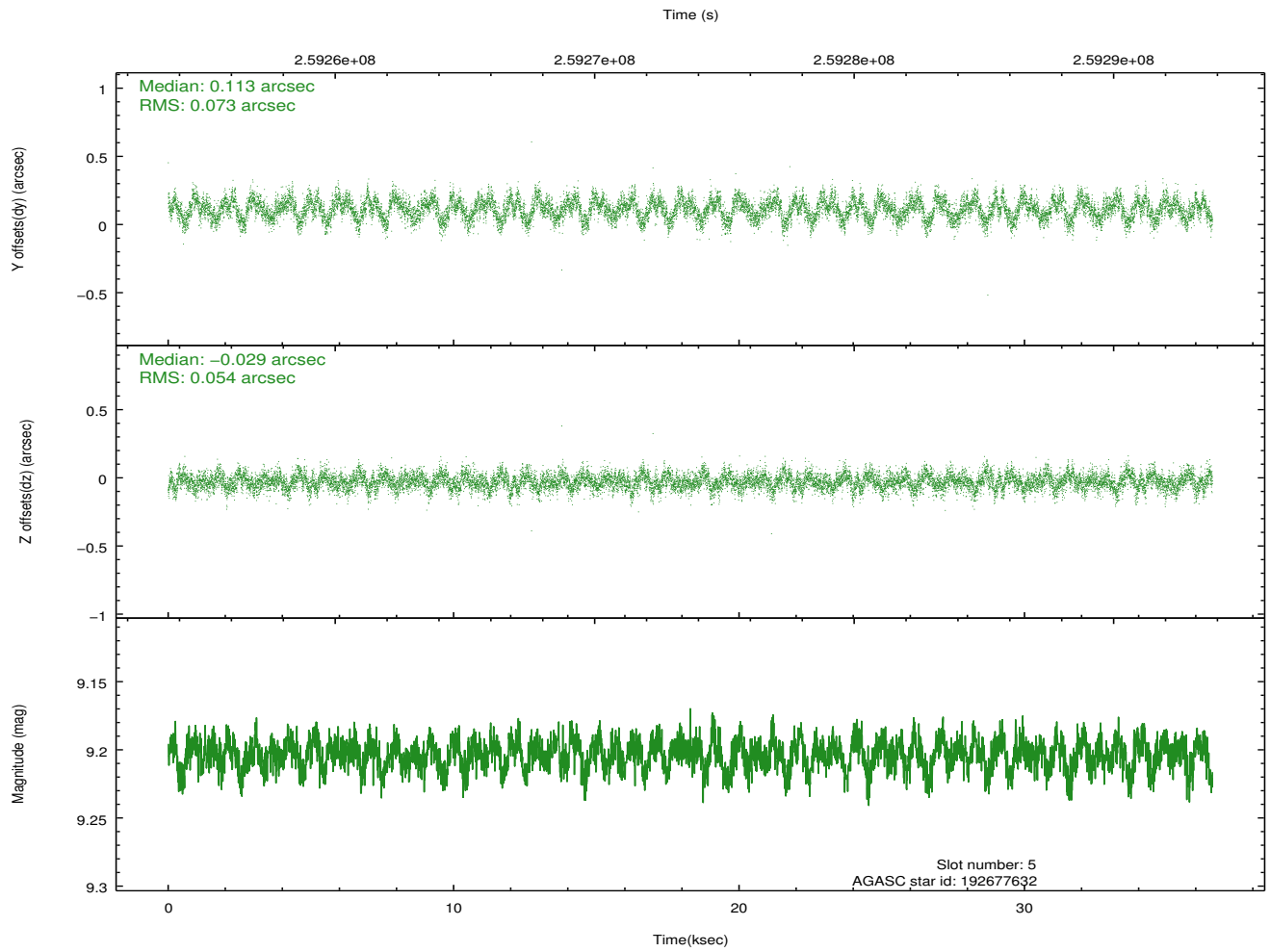
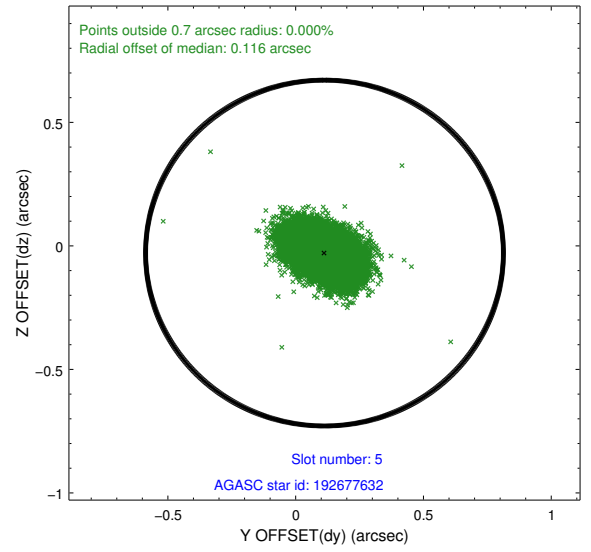
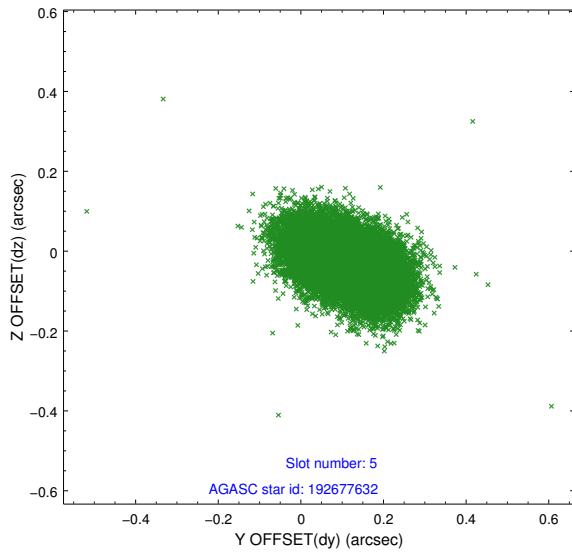
### 2.4.1 Slot 3



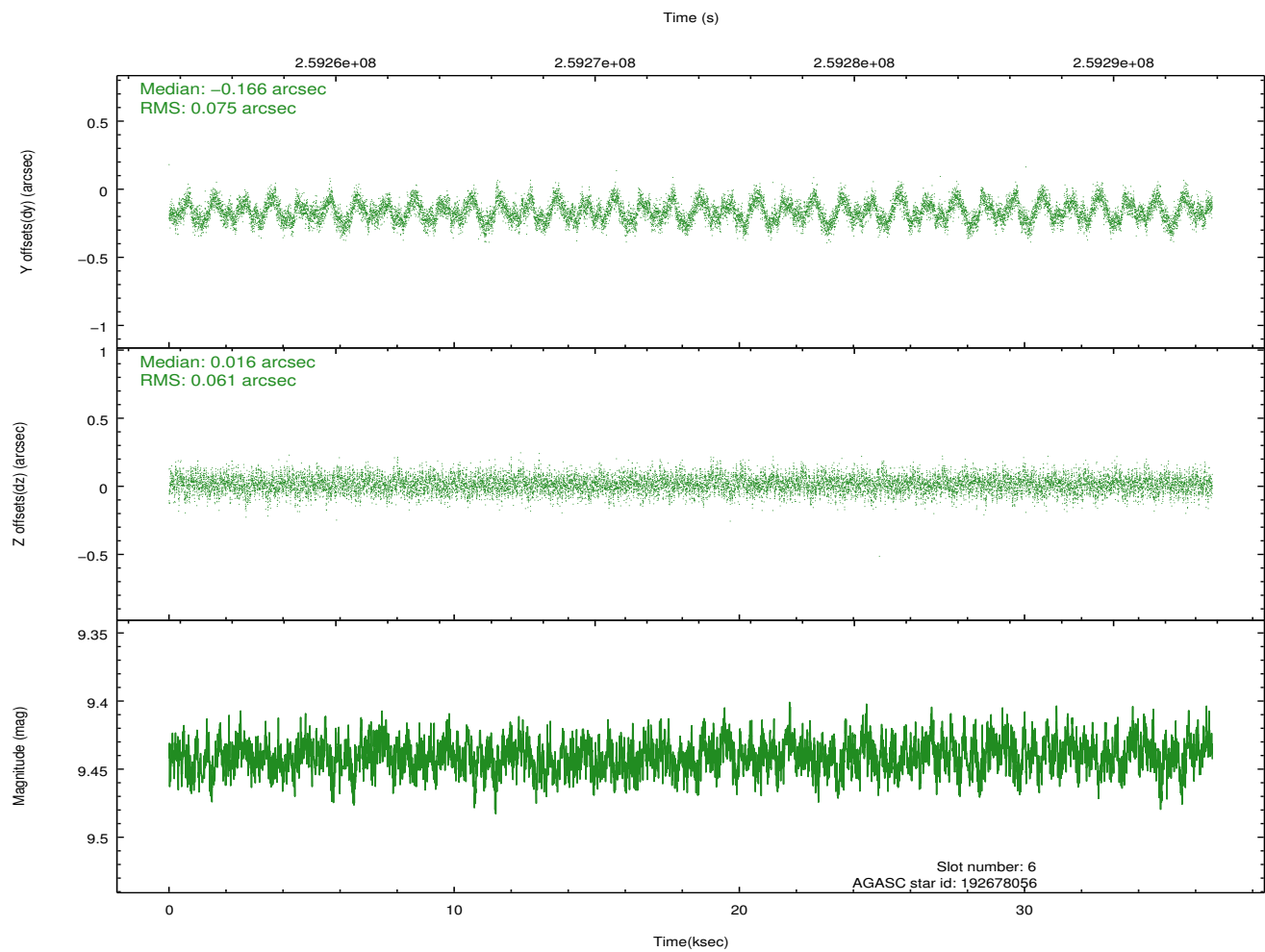
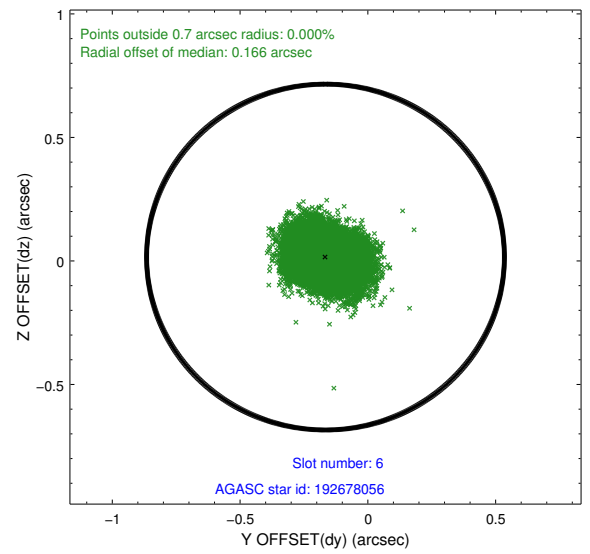
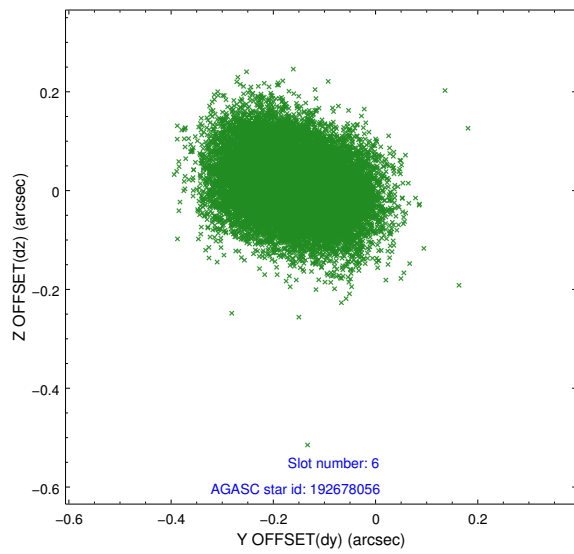
## 2.4.2 Slot 4



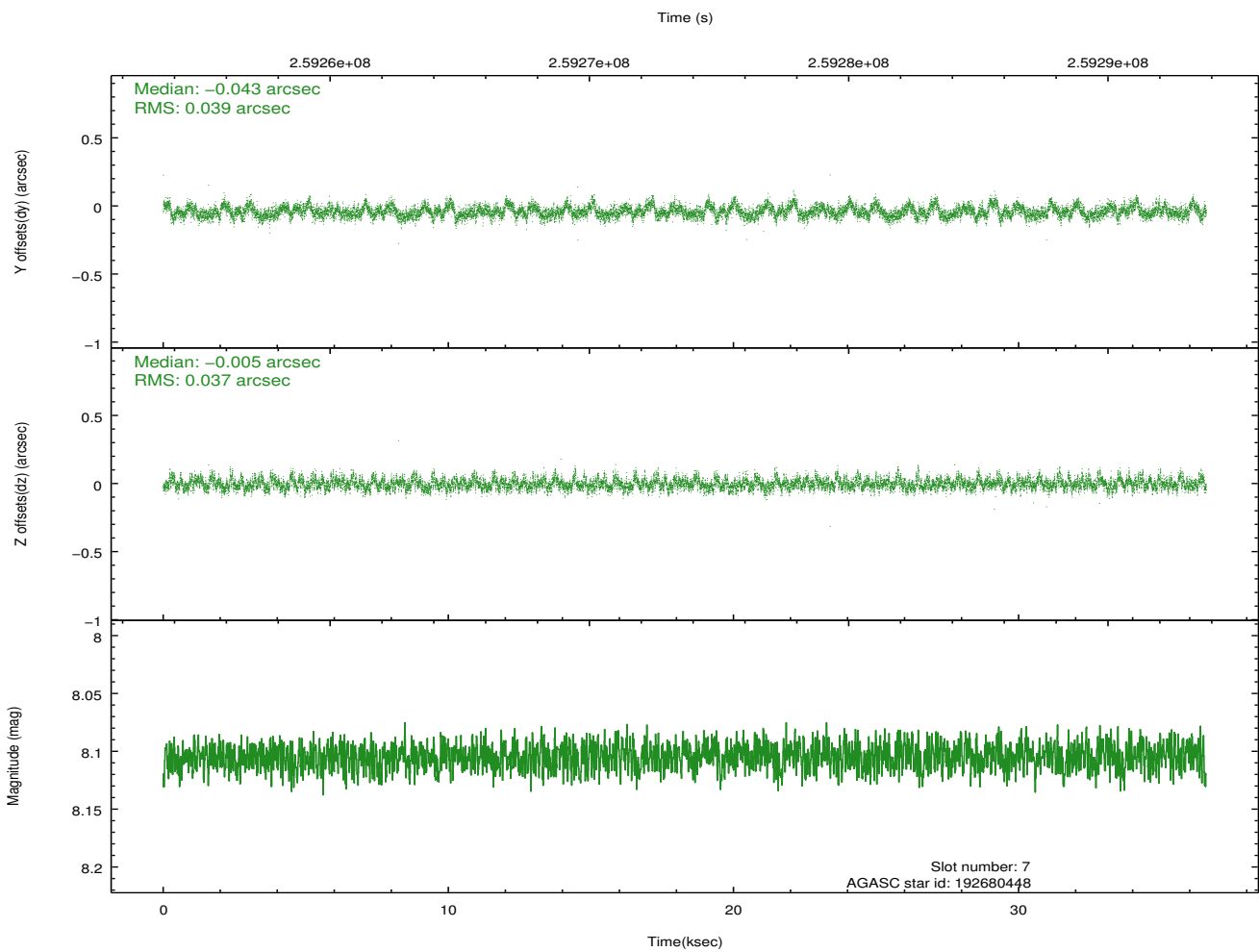
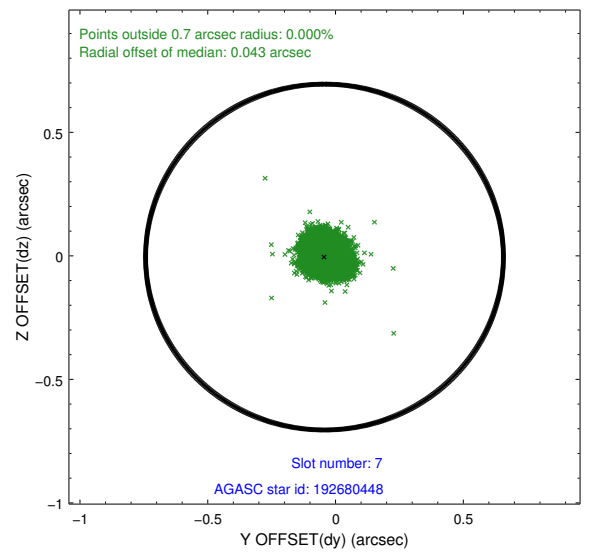
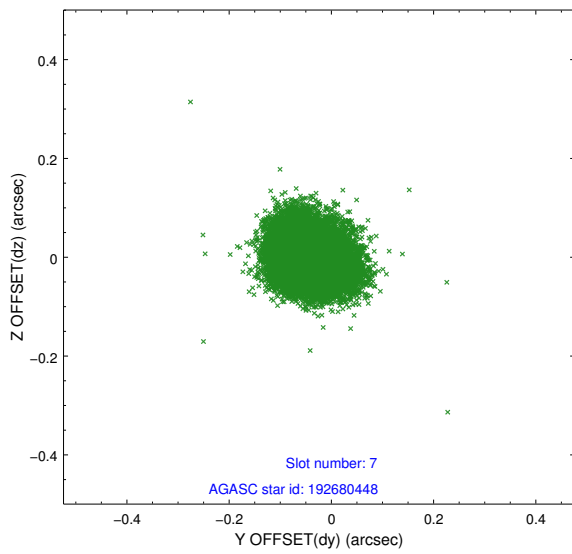
### 2.4.3 Slot 5



## 2.4.4 Slot 6

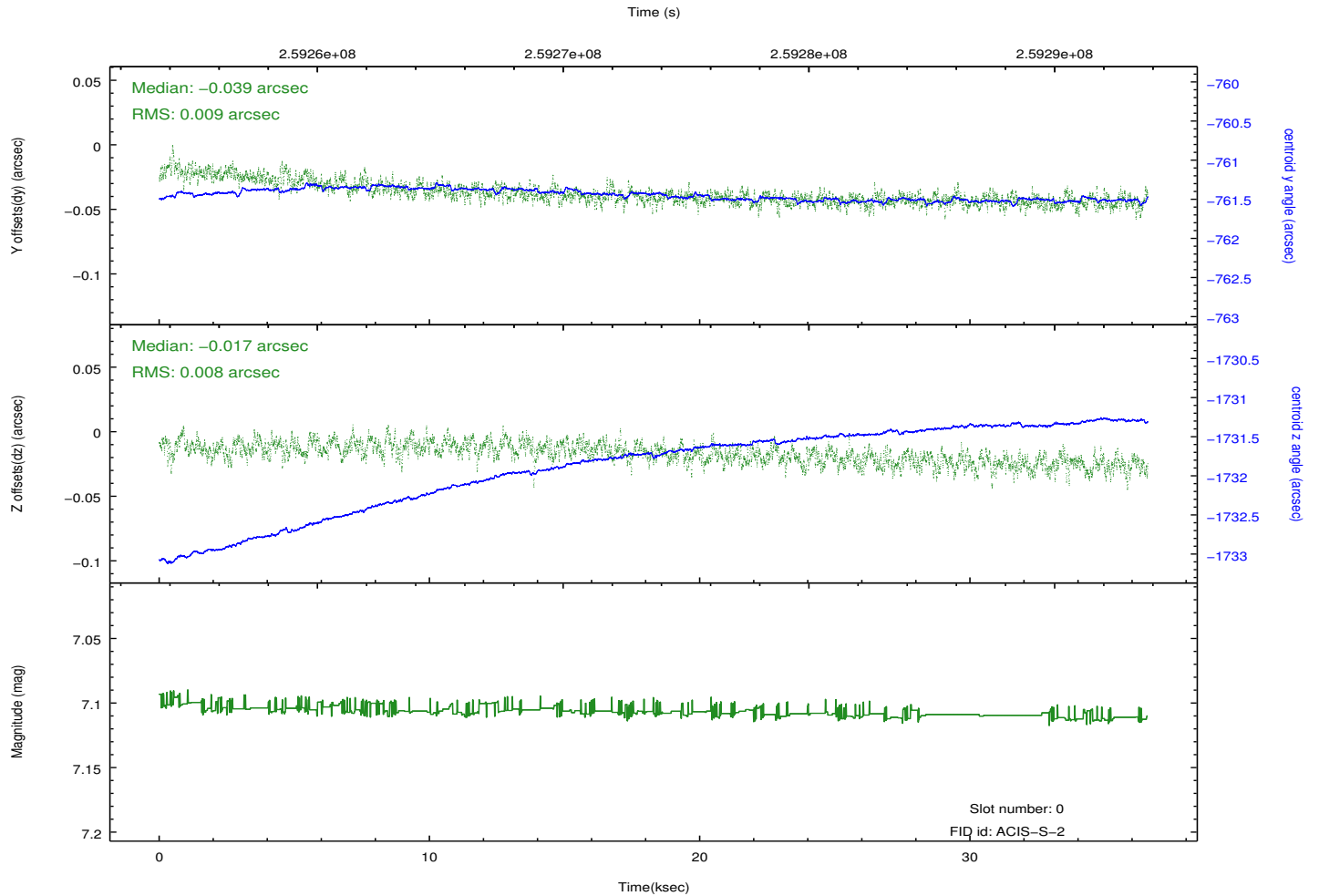
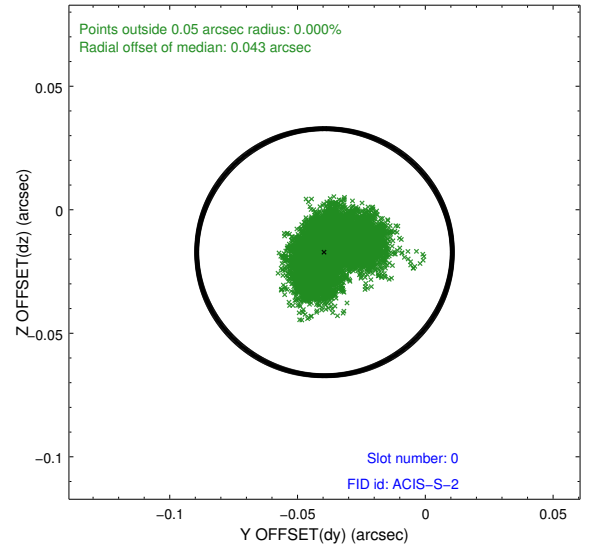
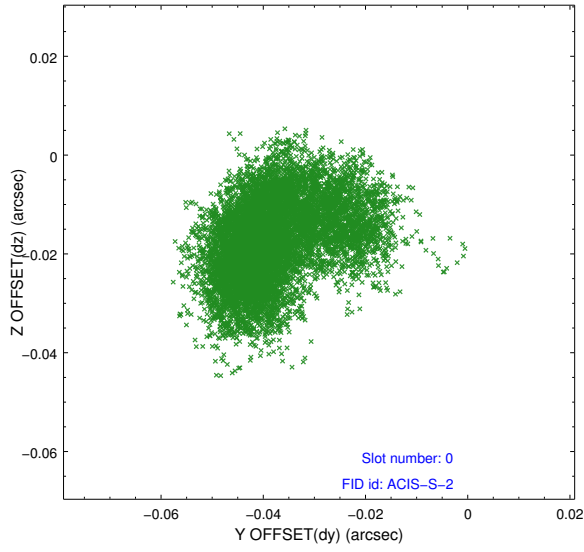


## 2.4.5 Slot 7

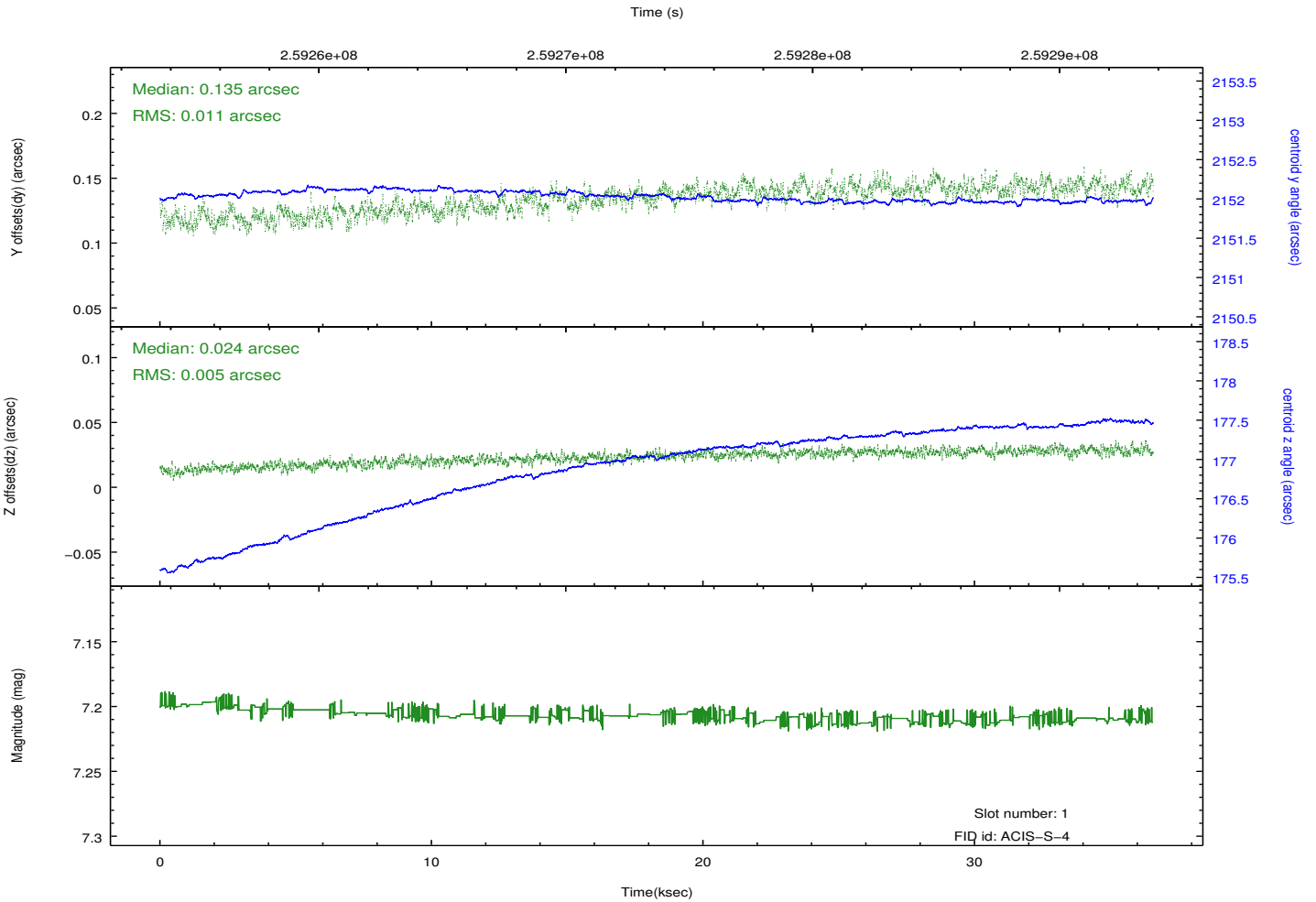
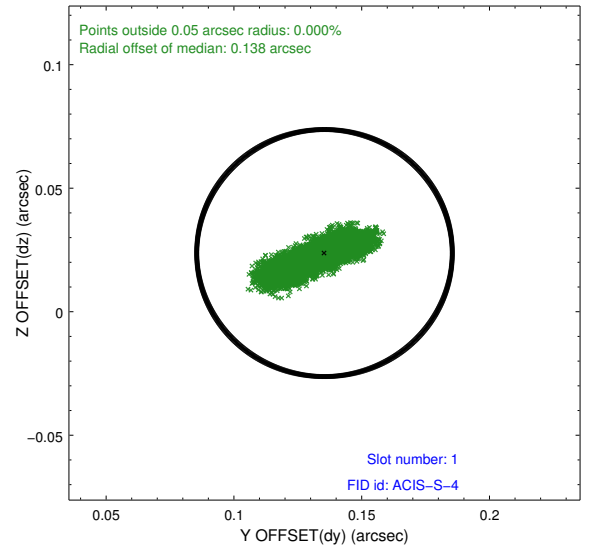
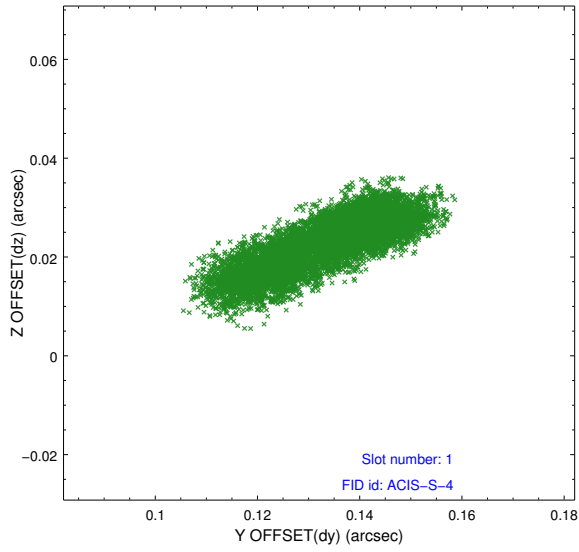


## 2.5 FID Slots

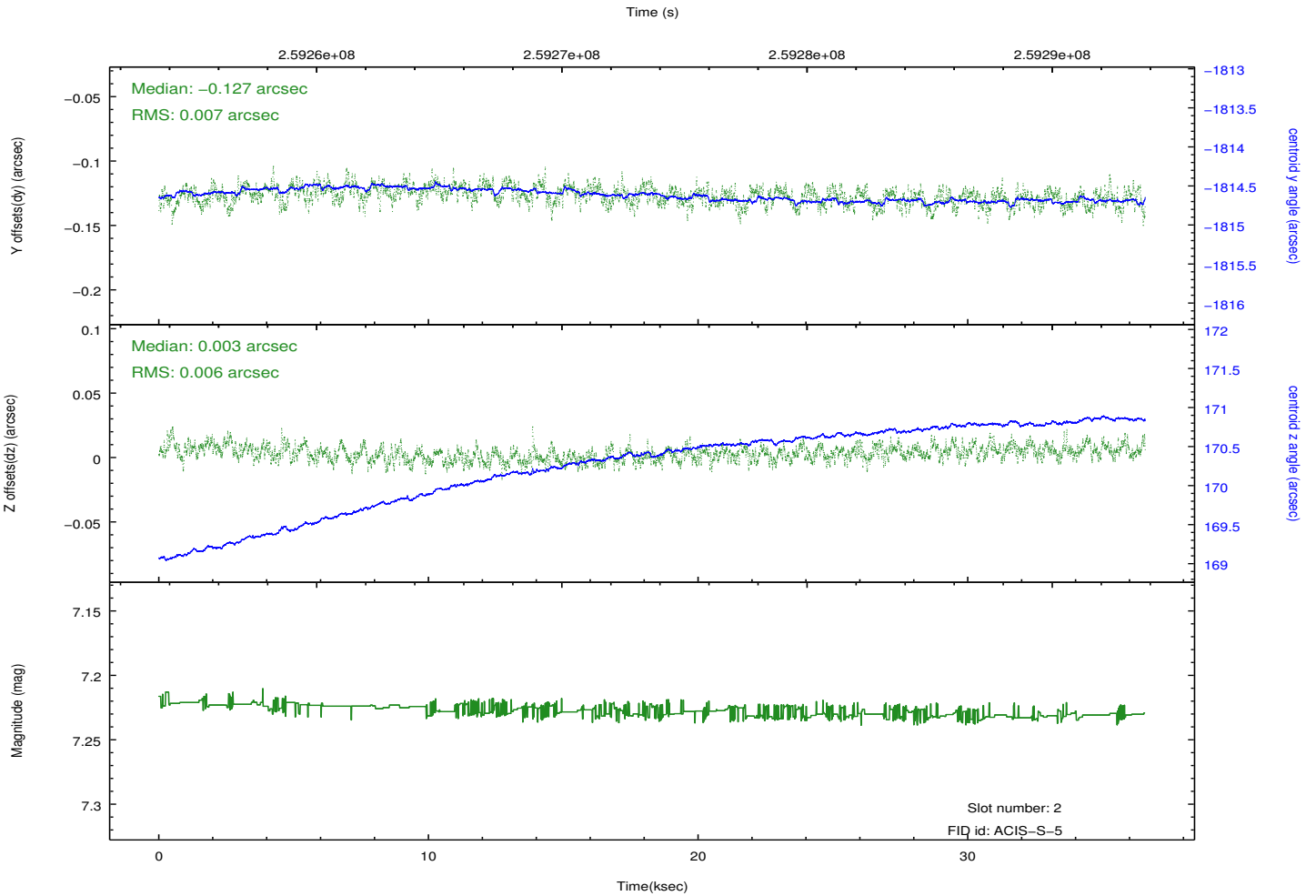
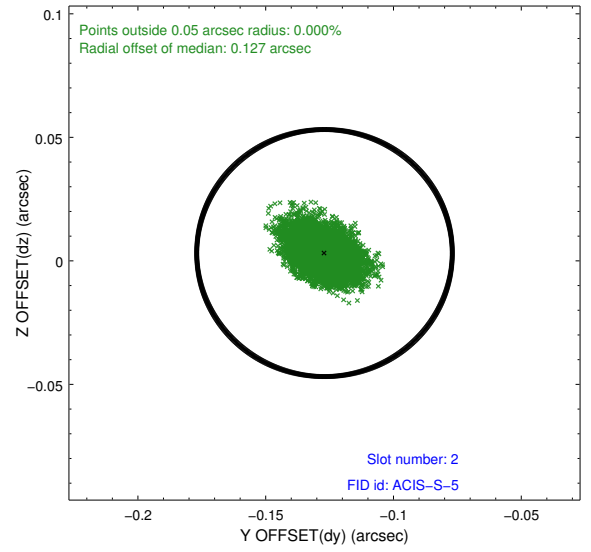
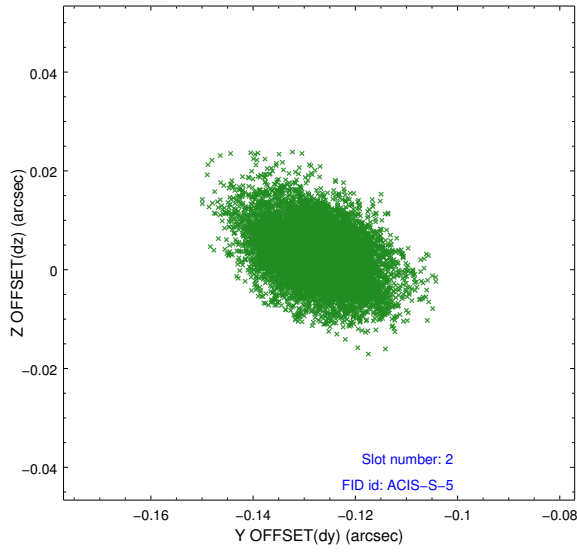
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.04.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	36.7512005

## A.2 Comments

This obsid was interrupted by a high radiation environment at 2006-03-21T01:32:58.