

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 2688 - L2 Version 001  
Chandra X-Ray Center

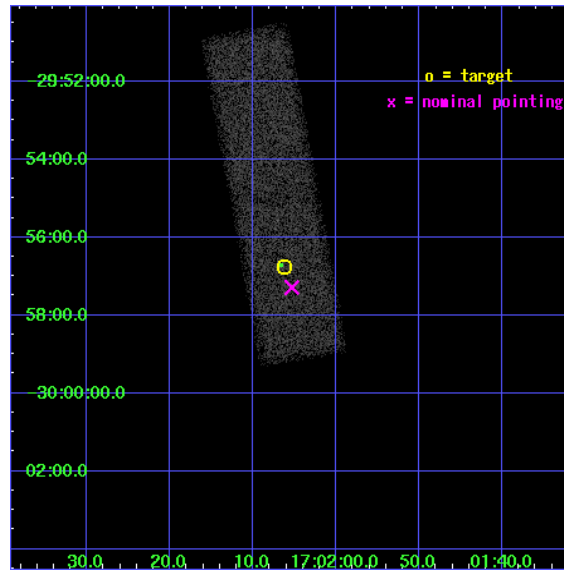
L2 Processing Date : Jan 10 2007

## 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>3</b>	<b>Point Sources</b>	<b>17</b>
<b>A</b>	<b>Summary</b>	<b>18</b>
A.1	Status . . . . .	18
A.2	Comments . . . . .	18

# 1 Front

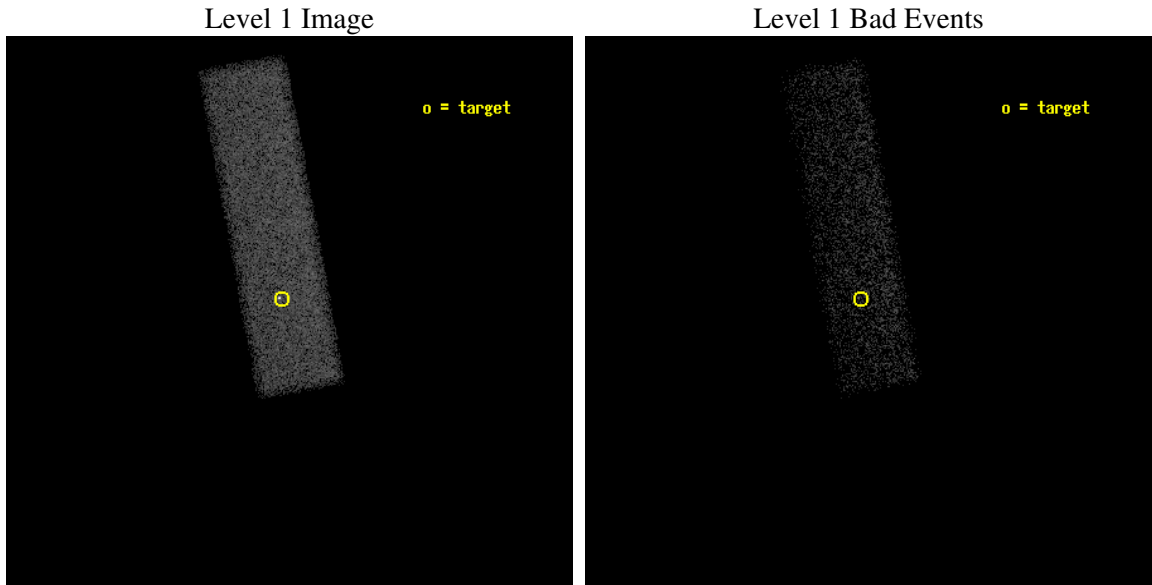
seq_num	400168
obs_id	2688
title	CHANDRA OBSERVATIONS OF LONG-DURATION TRANSIENTS AND PERSISTENT LOW-MASS X-RAY BINARIES IN QUIESCENCE
observer	Dr. Rudy Wijnands
object	MXB 1659-298
dtcycle	0
cycle	P
ra_targ	255.52625
dec_targ	-29.945833
ra_nom	255.52228370073
dec_nom	-29.954936242854
roll_nom	259.48455244088
revision	2
ontime	19815.158916086
livetime	18848.24399894
ontime7	19815.158916086
l2events	25353



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldbver	3.3.0
date	2007-01-10T12:57:34
revision	2

sched_exp_time	19000.000000
ontime	19815.158916086
ontime7	19815.158916086
l1events	47560

### 2.1.4 Events

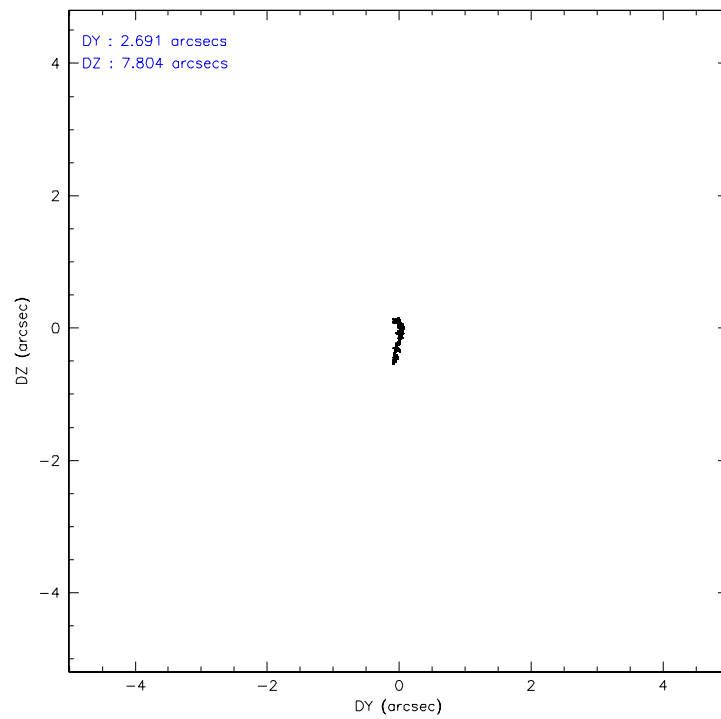
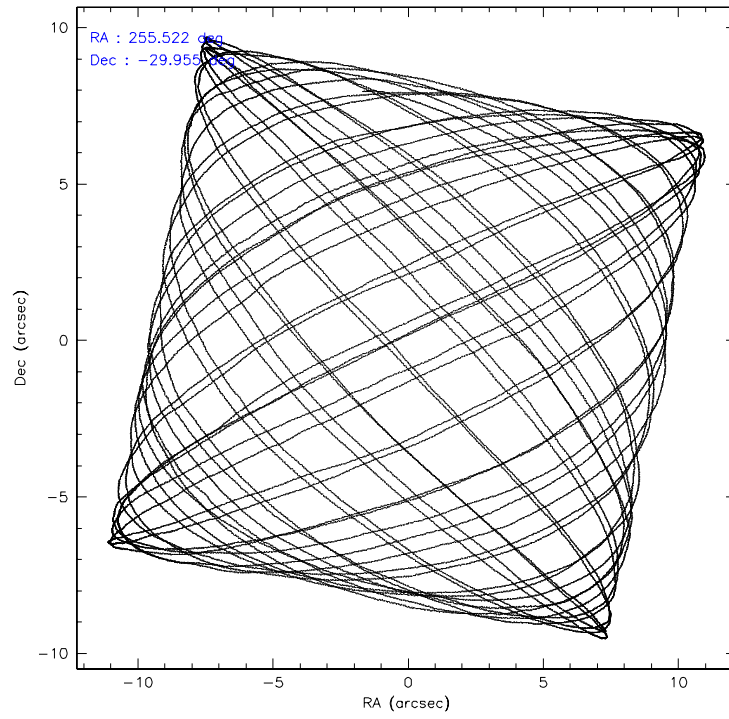
	<b>ccd 7</b>
level 1 events	47560
rejected events	21547
rejected %	45%

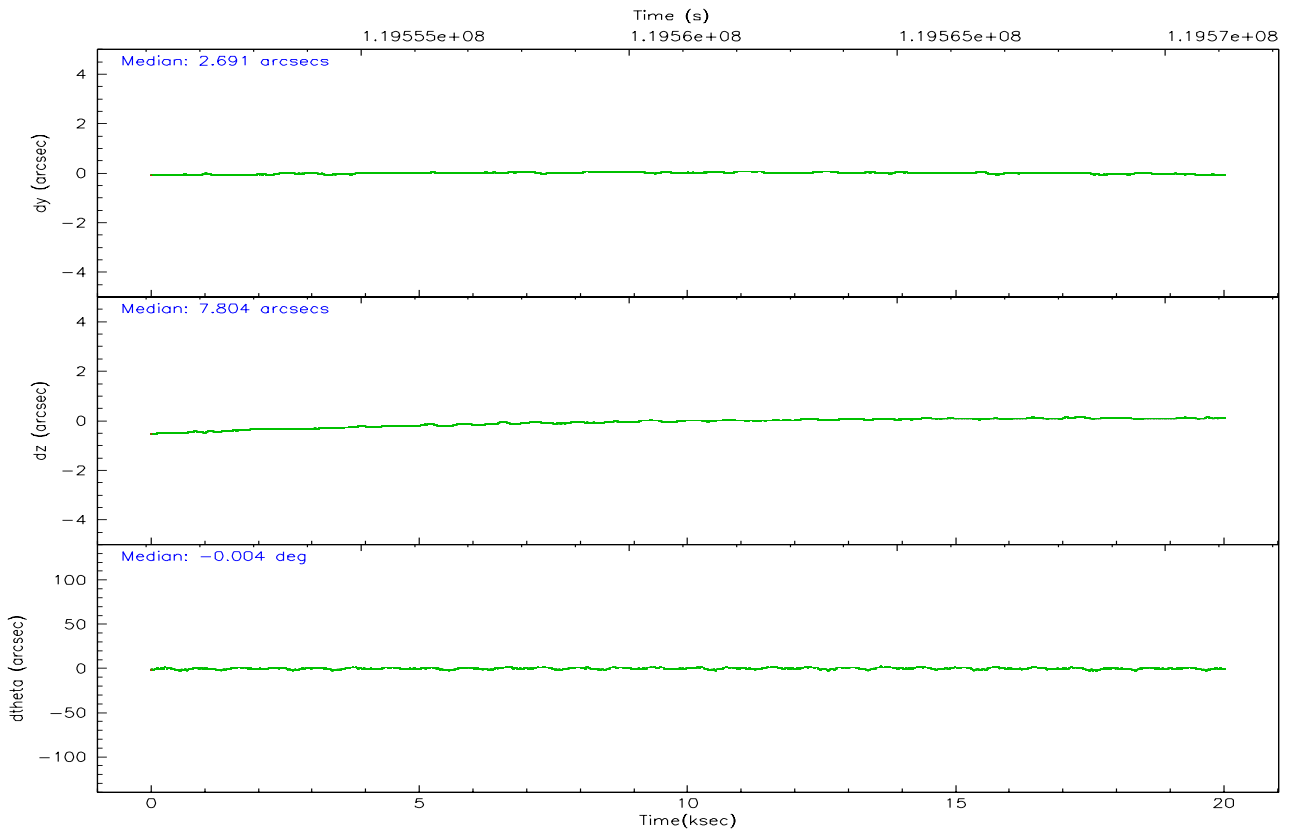
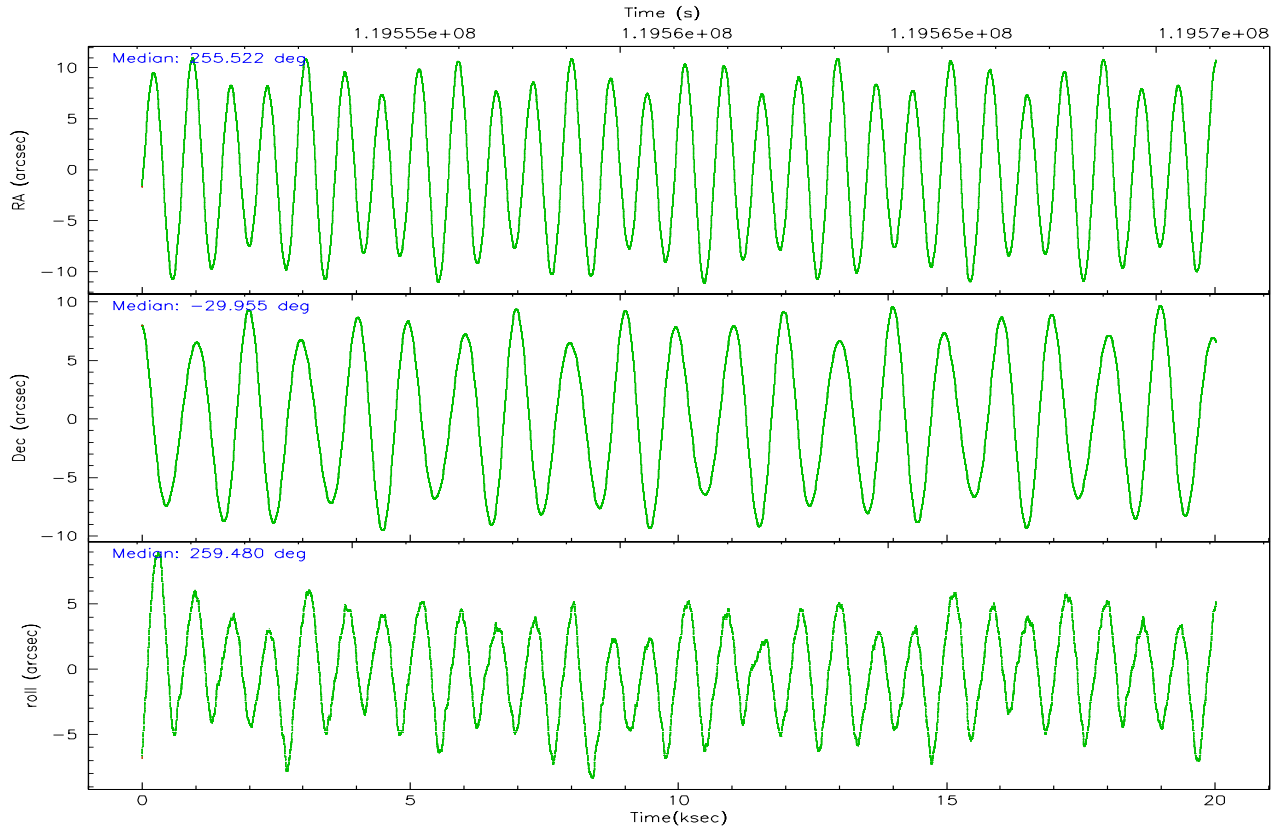
	<b>ccd 7</b>
grade 0 events	3688
	7%
grade 1 events	45
	0%
grade 2 events	5280
	11%
grade 3 events	2875
	6%
grade 4 events	2767
	5%
grade 5 events	3835
	8%
grade 6 events	11405
	23%
grade 7 events	17665
	37%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-7	ACIS-7	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
Pointing RA	255.511440	255.522283700725	Subarray requested	1/4	1/4
Pointing Dec	-29.929340	-29.95493624285428	Subarray start row	0	385
Pointing Roll	259.322512	259.4845524408818	Subarray row count	1024	256
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001444936568705701	Primary exposure time	0.000000	0.8
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	119552116.184000	119550734.20756			
Observation start date	2001-10-15T16:54:12	2001-10-15T16:32:14			
Observation end time	119571116.184000	119571909.6834			
Observation end date	2001-10-15T22:10:52	2001-10-15T22:25:09			
Read mode	TIMED	TIMED			

## 2.3 Aspect



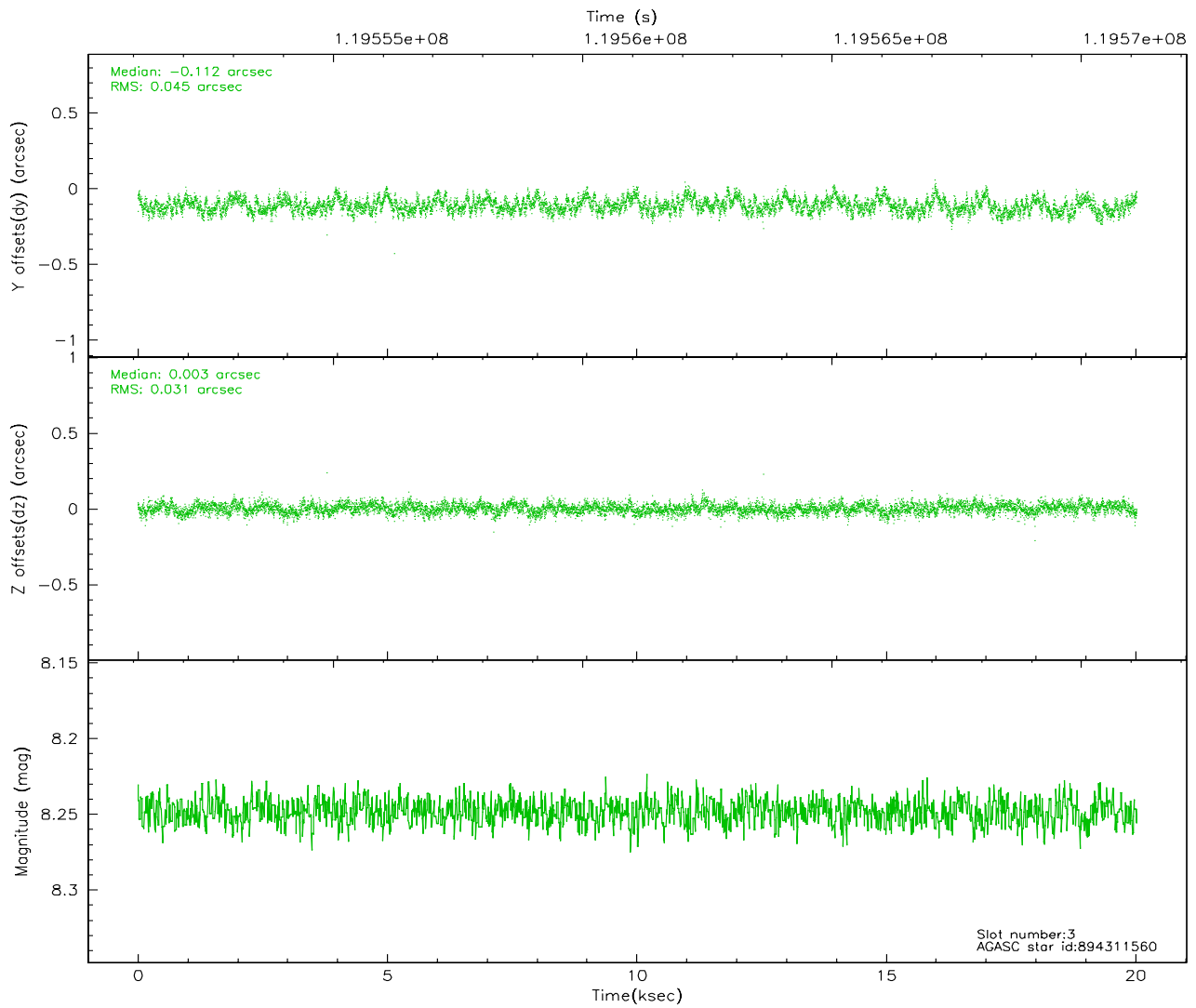
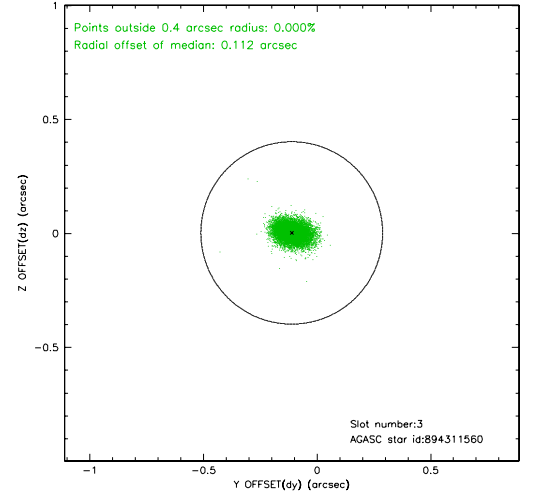
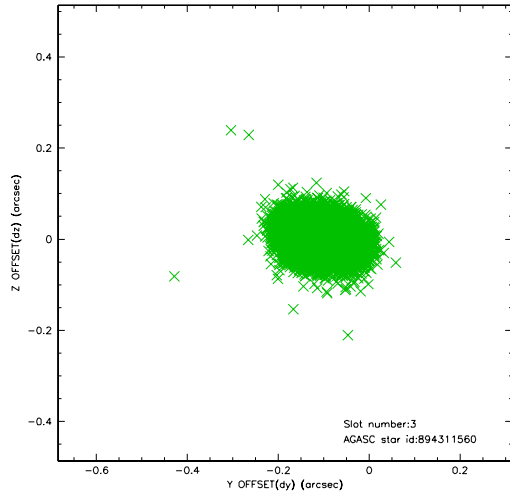


### Slot Statistics

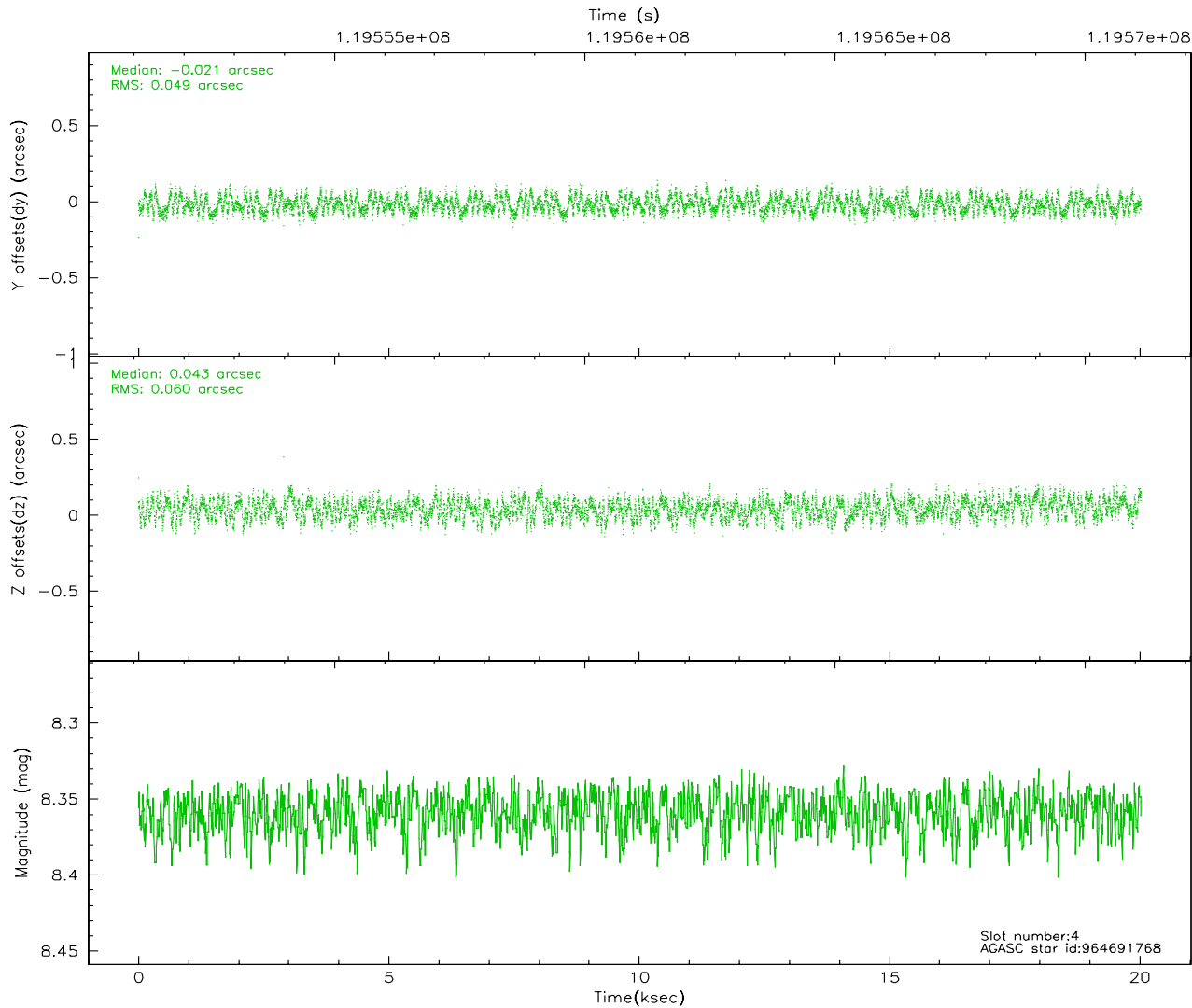
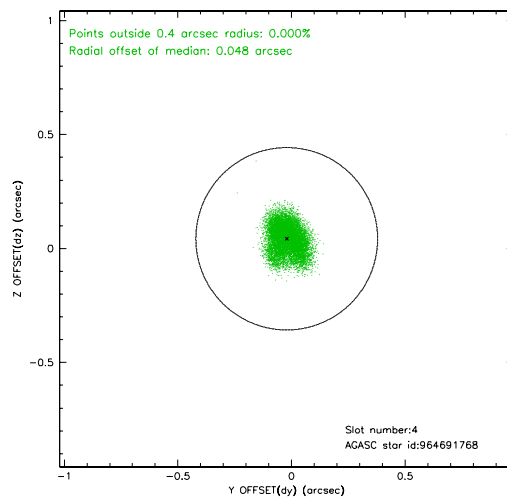
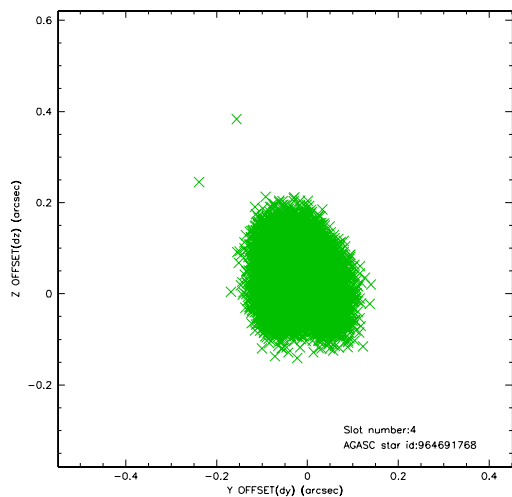
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	4884	0.010	0.027	0.014	0.024	0.000000	0.000000	-755.32	-1728.84
1	FID	ACIS-S-4	7.19	4885	-0.095	-0.012	0.013	0.032	0.000000	0.000000	2157.78	179.40
2	FID	ACIS-S-5	7.23	4885	0.053	-0.005	0.011	0.022	0.000000	0.000000	-1807.87	173.32
3	GUIDE	894311560	8.25	9764	-0.112	0.003	0.058	0.094	255.968048	-29.561250	-1565.17	1160.37
4	GUIDE	964691768	8.36	9767	-0.021	0.043	0.084	0.128	256.279938	-30.028521	-86.05	2421.96
5	GUIDE	894191616	9.47	9762	-0.270	-0.070	0.098	0.158	254.985496	-29.335021	-1793.79	-2017.38
6	GUIDE	964702672	9.51	9766	0.248	-0.210	0.106	0.172	254.750357	-30.472308	2365.76	-1956.87
7	GUIDE	964691944	9.45	9696	0.154	0.235	0.092	0.156	255.940849	-30.671472	2381.23	1802.81

## 2.4 Star Slots

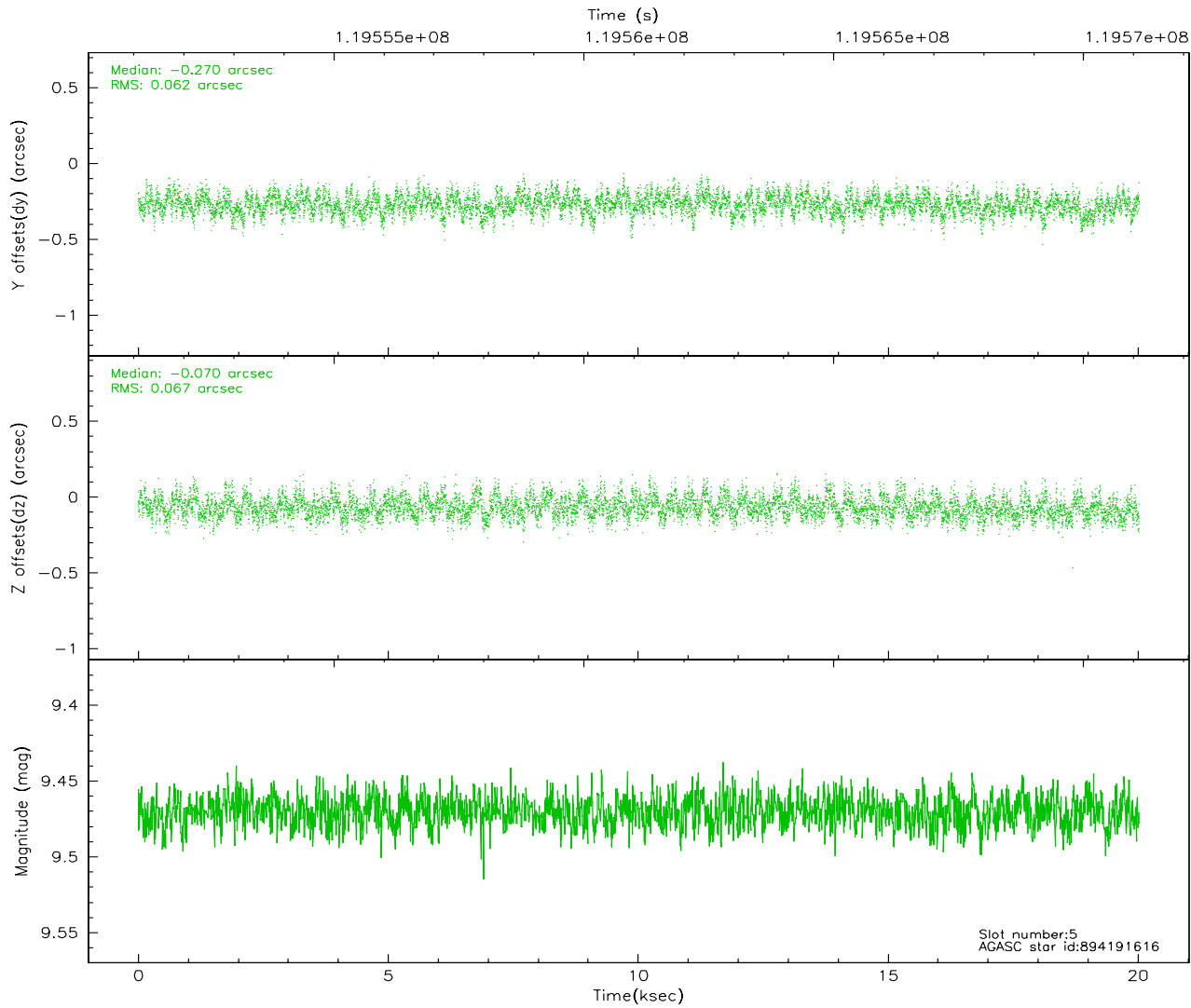
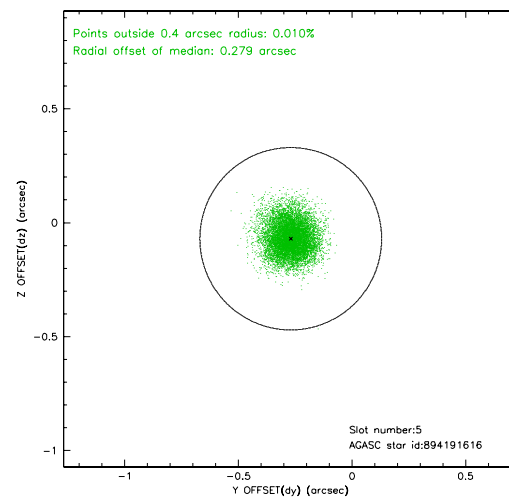
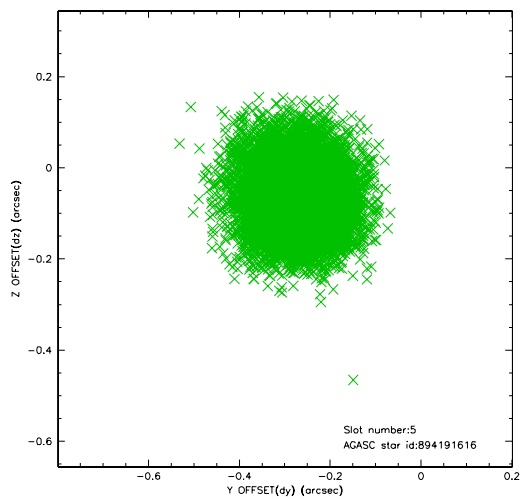
### 2.4.1 Slot 3



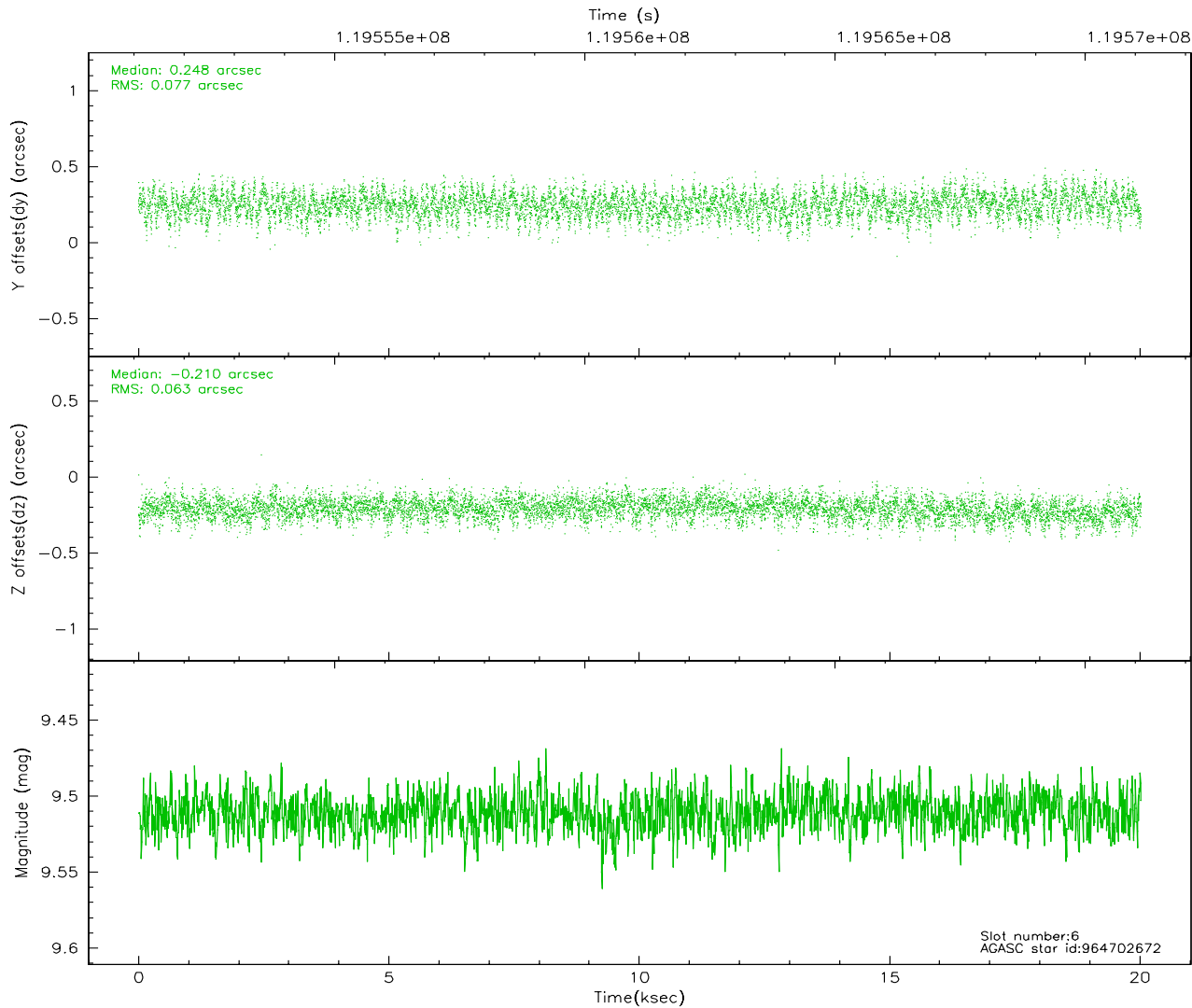
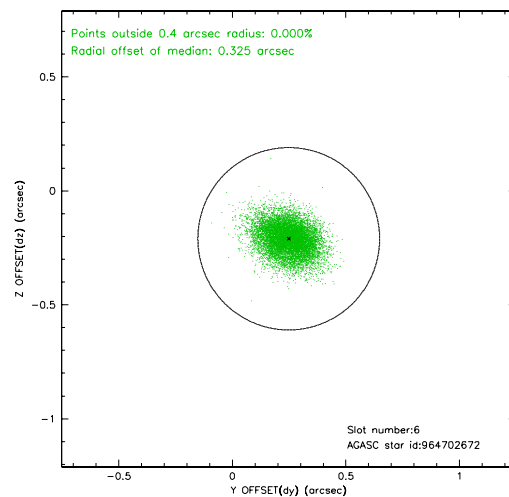
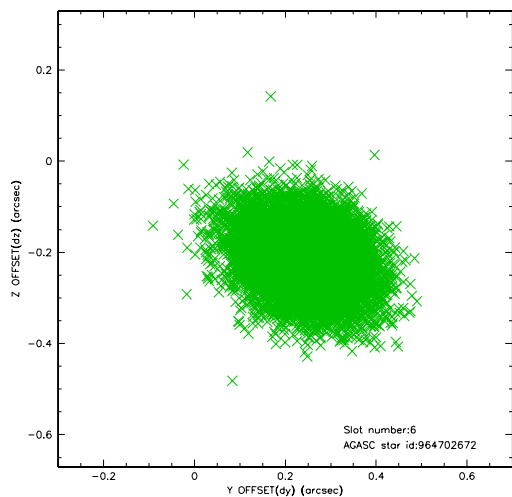
## 2.4.2 Slot 4



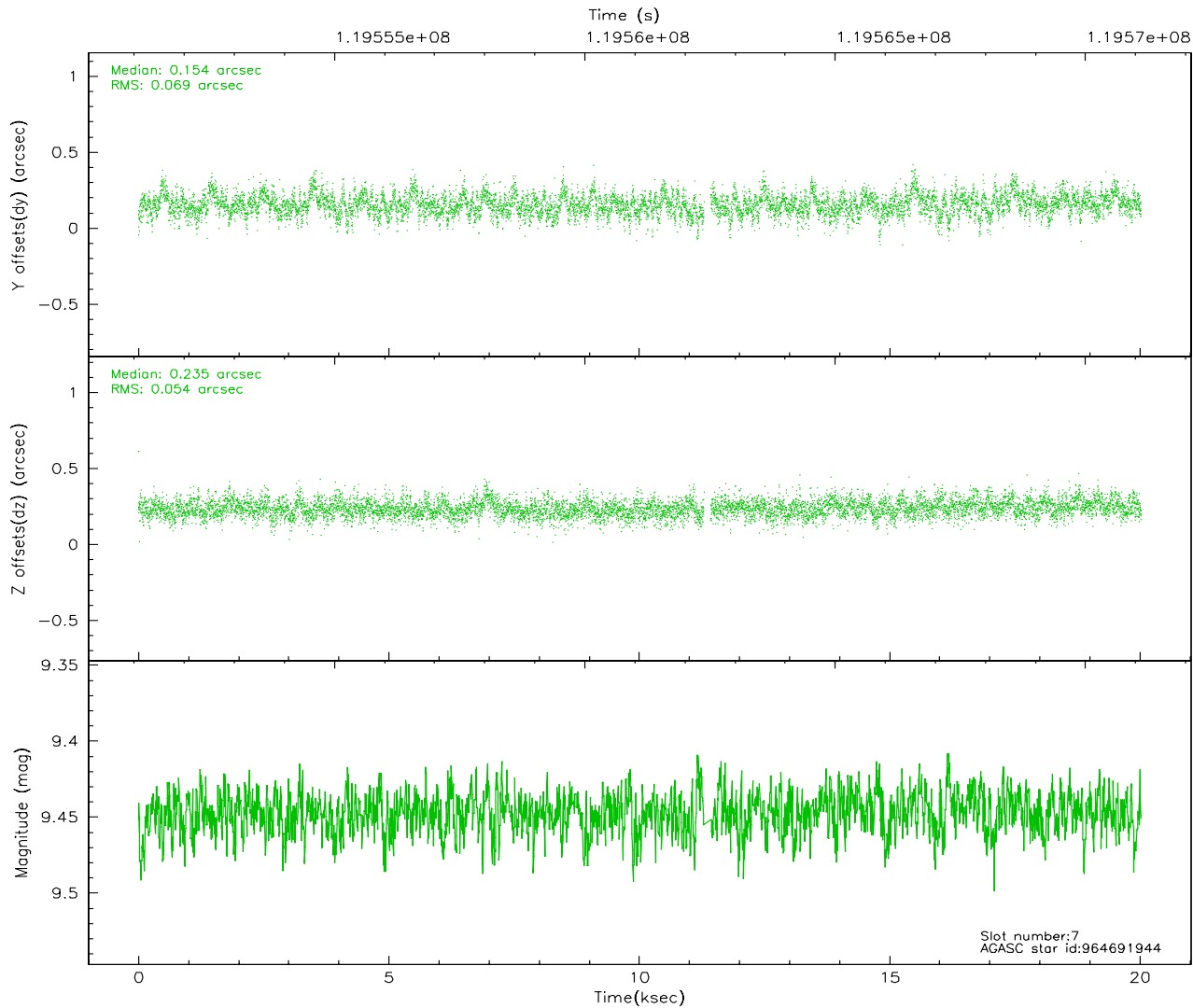
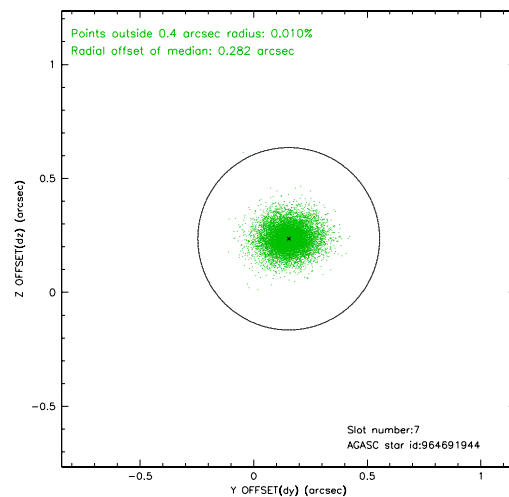
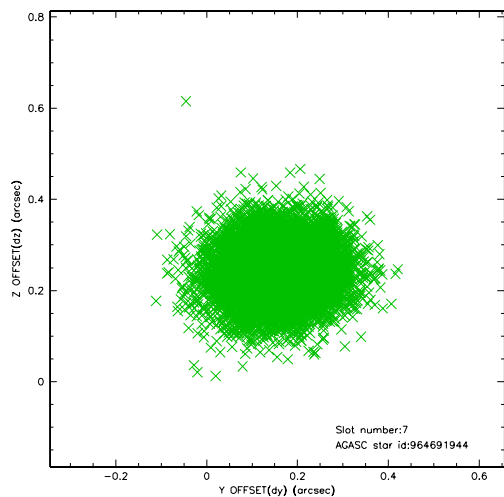
### 2.4.3 Slot 5



### 2.4.4 Slot 6

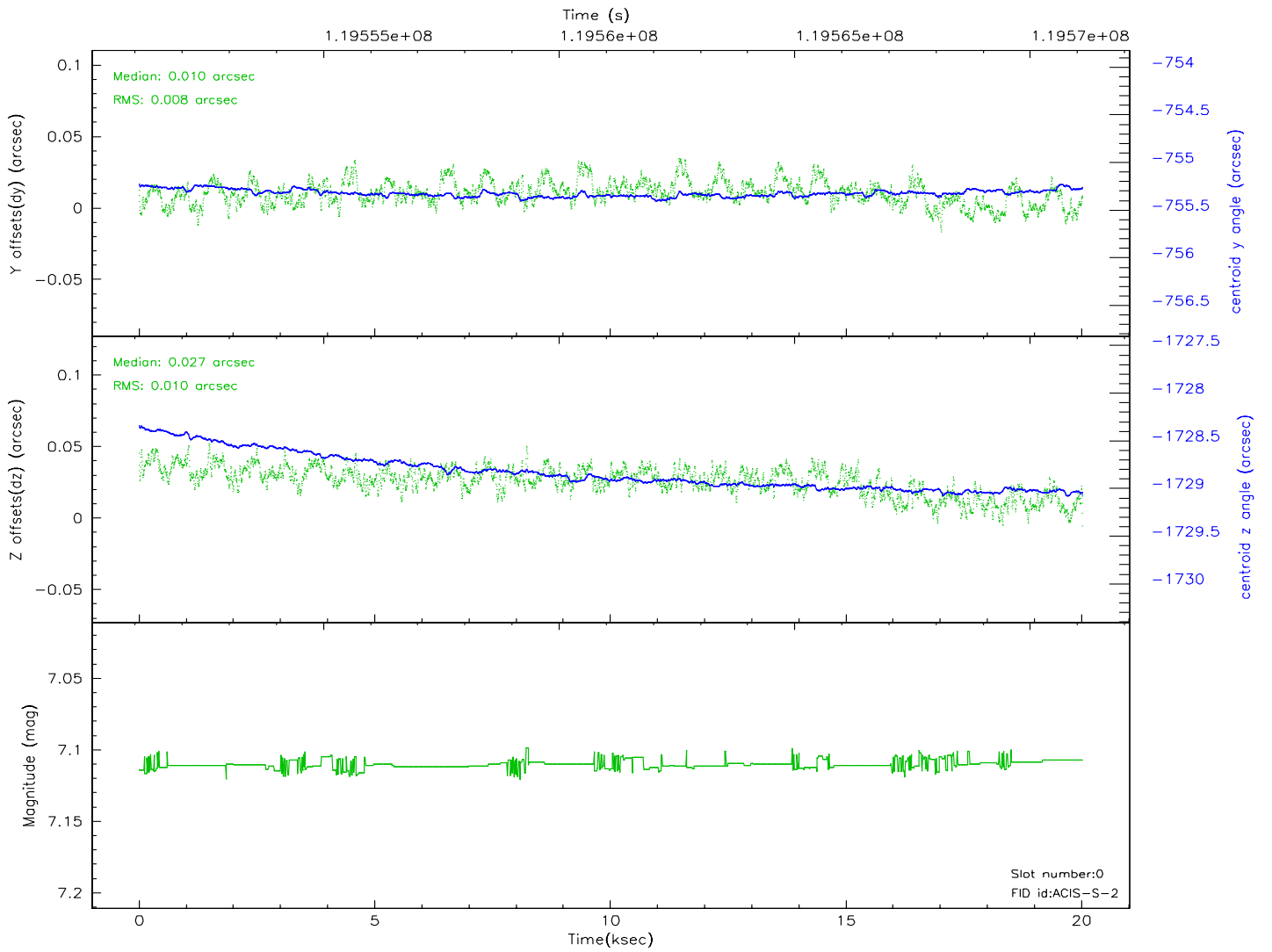
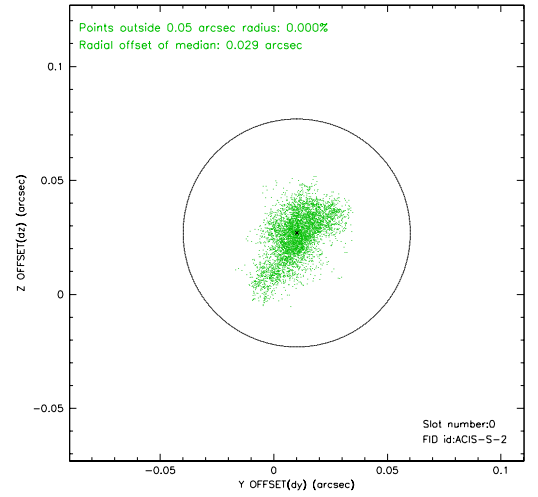
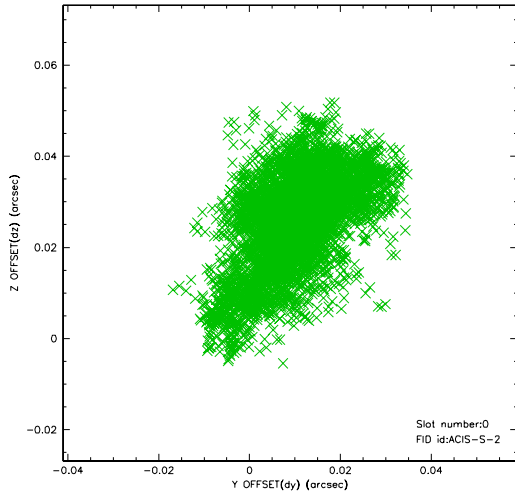


## 2.4.5 Slot 7

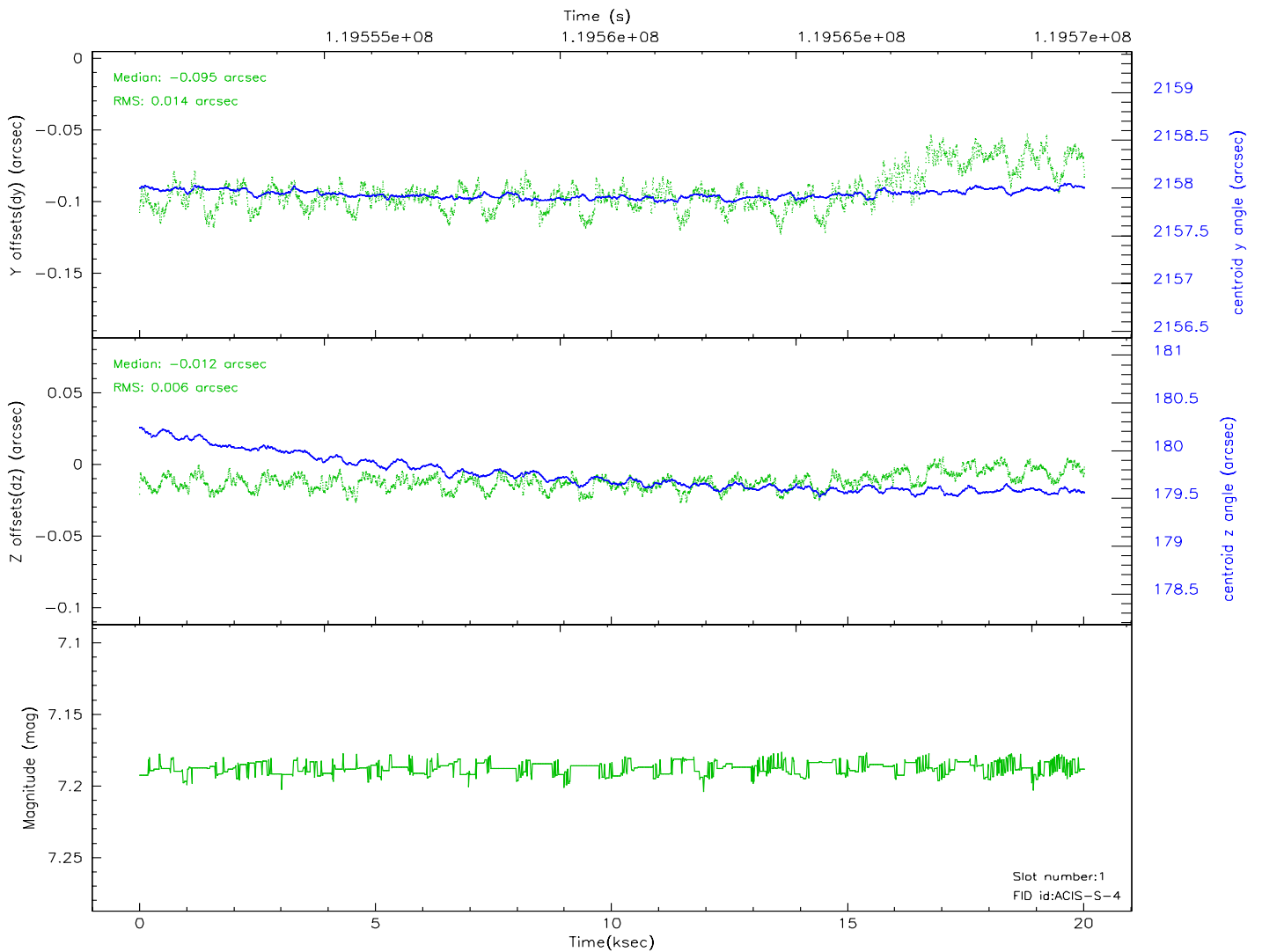
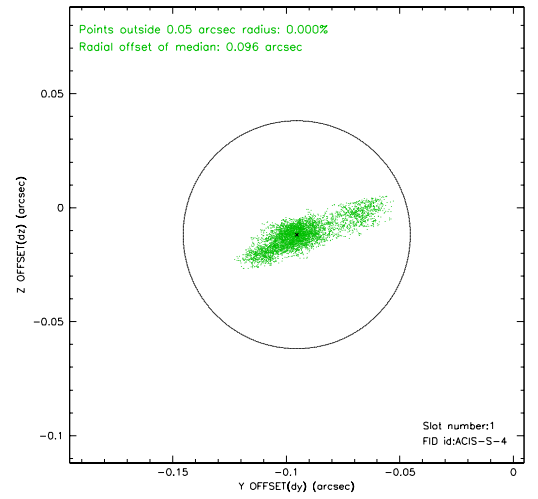
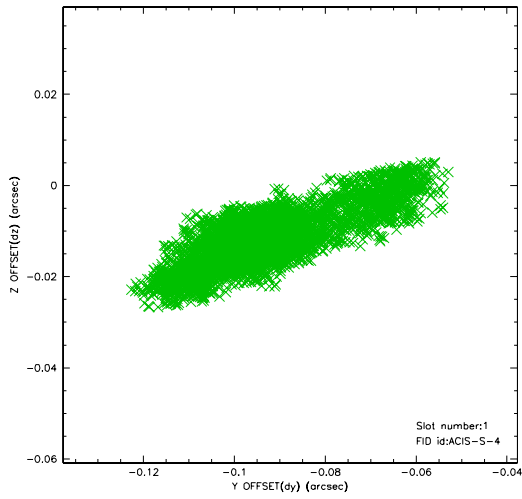


## 2.5 FID Slots

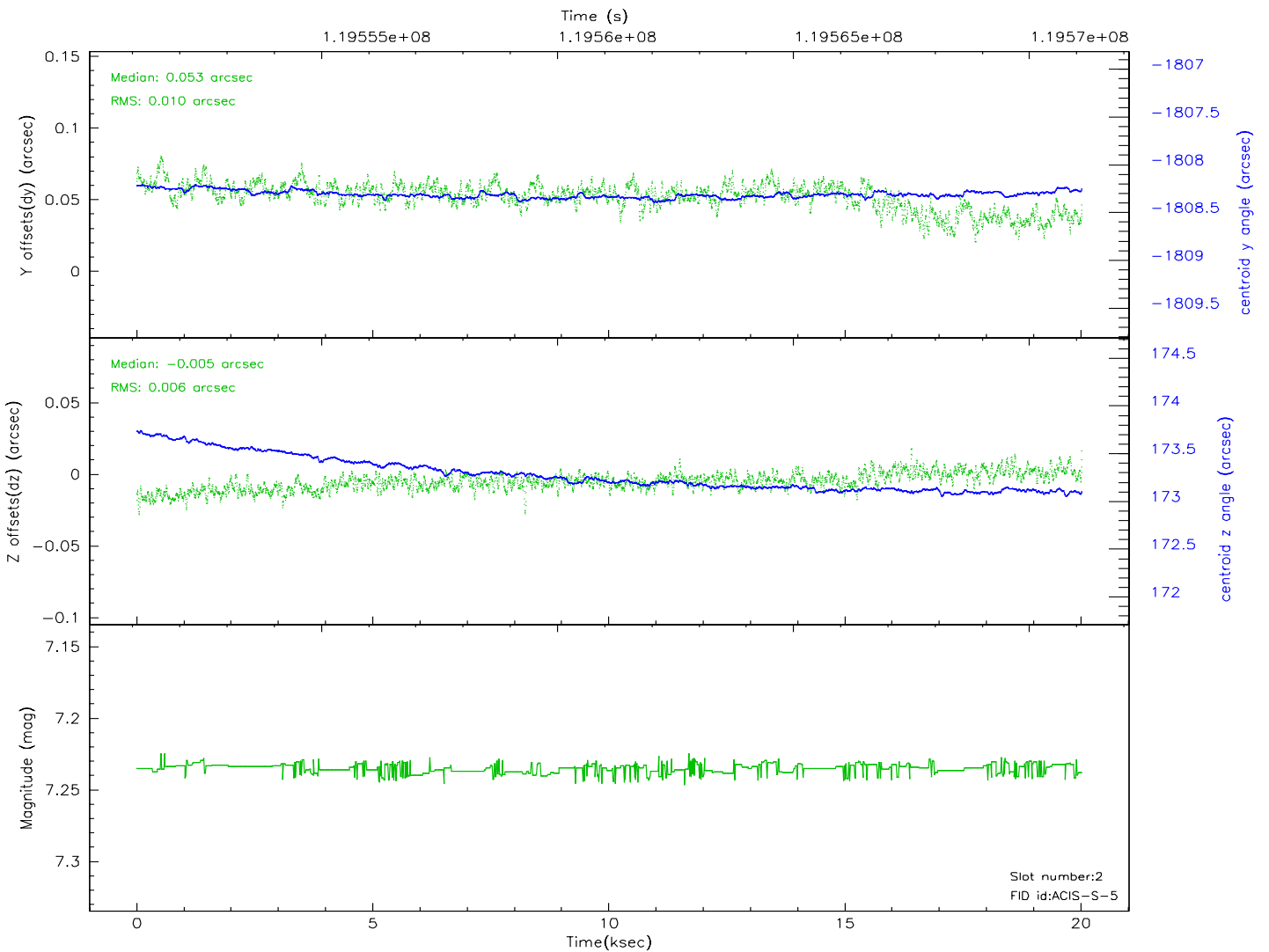
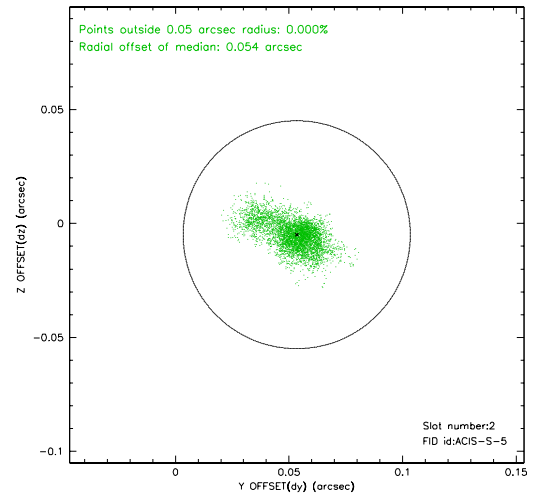
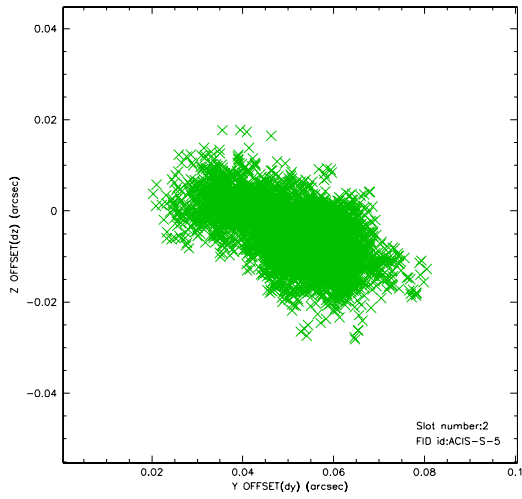
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources

# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.01.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.816

## A.2 Comments