

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 4060 - L2 Version 001  
Chandra X-Ray Center

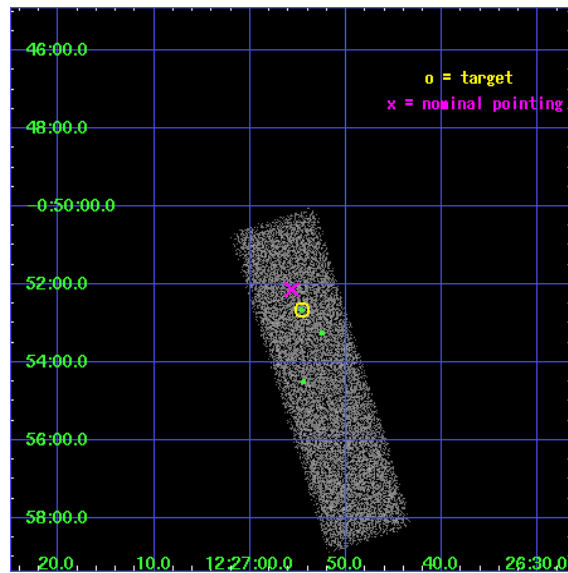
L2 Processing Date : Jul 22 2006

## 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

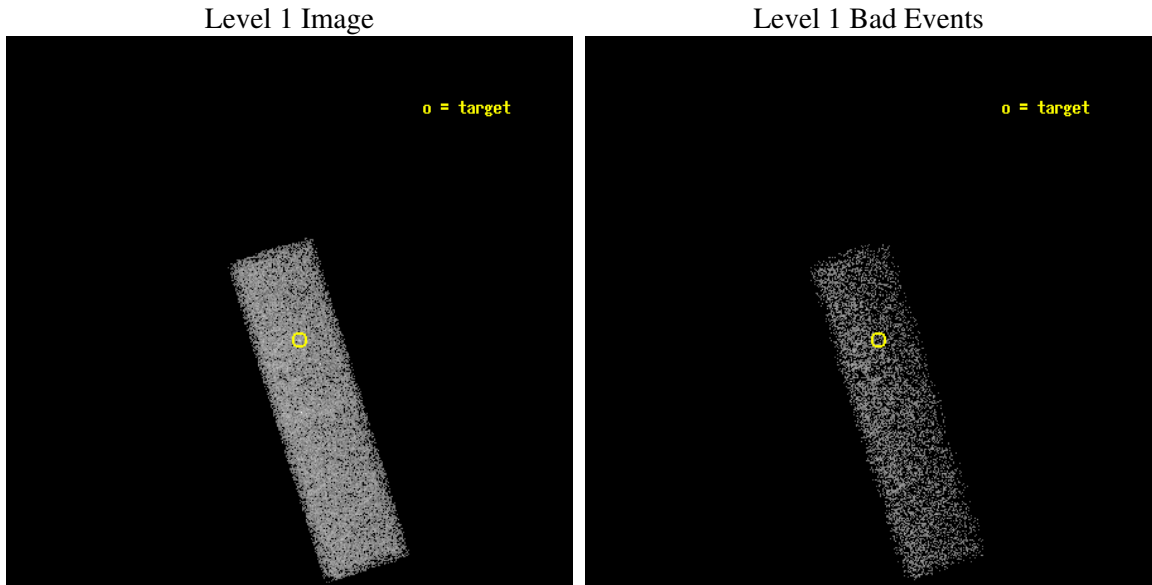
seq_num	700739
obs_id	4060
title	ELUSIVE ACTIVE GALACTIC NUCLEI IN STARBURST GALAXIES
observer	DR. ROBERTO MAIOLINO
object	NGC4418
dtcycle	0
cycle	P
ra_targ	186.7275
dec_targ	-0.8775
ra_nom	186.73192594911
dec_nom	-0.86893668484324
roll_nom	72.625748056838
revision	2
ontime	20829.600310385
livetime	19813.183972591
ontime7	20829.600310385
l2events	18340



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-22T18:29:12
revision	2

sched_exp_time	20000.000000
ontime	20830.666646928
ontime7	20830.666646928
l1events	44992

### 2.1.4 Events

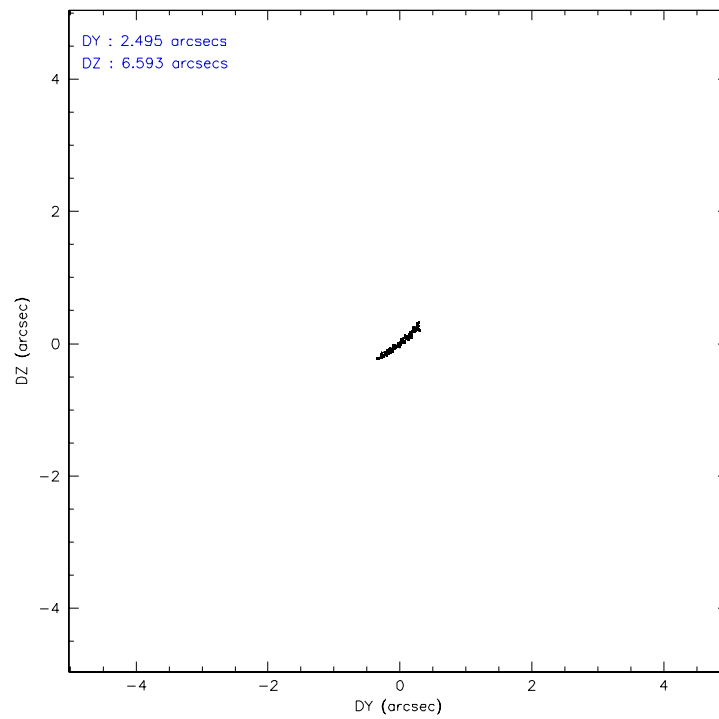
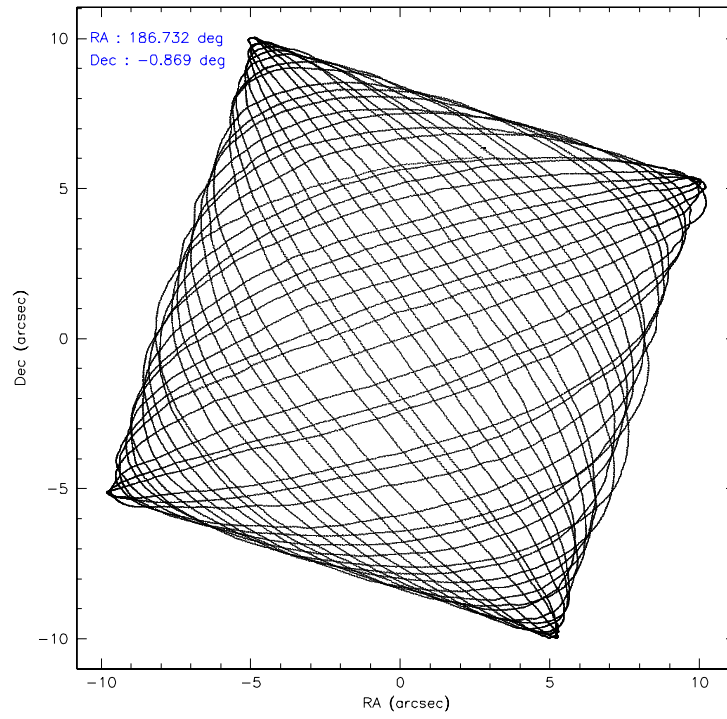
	<b>ccd 7</b>
level 1 events	44992
rejected events	25989
rejected %	57%

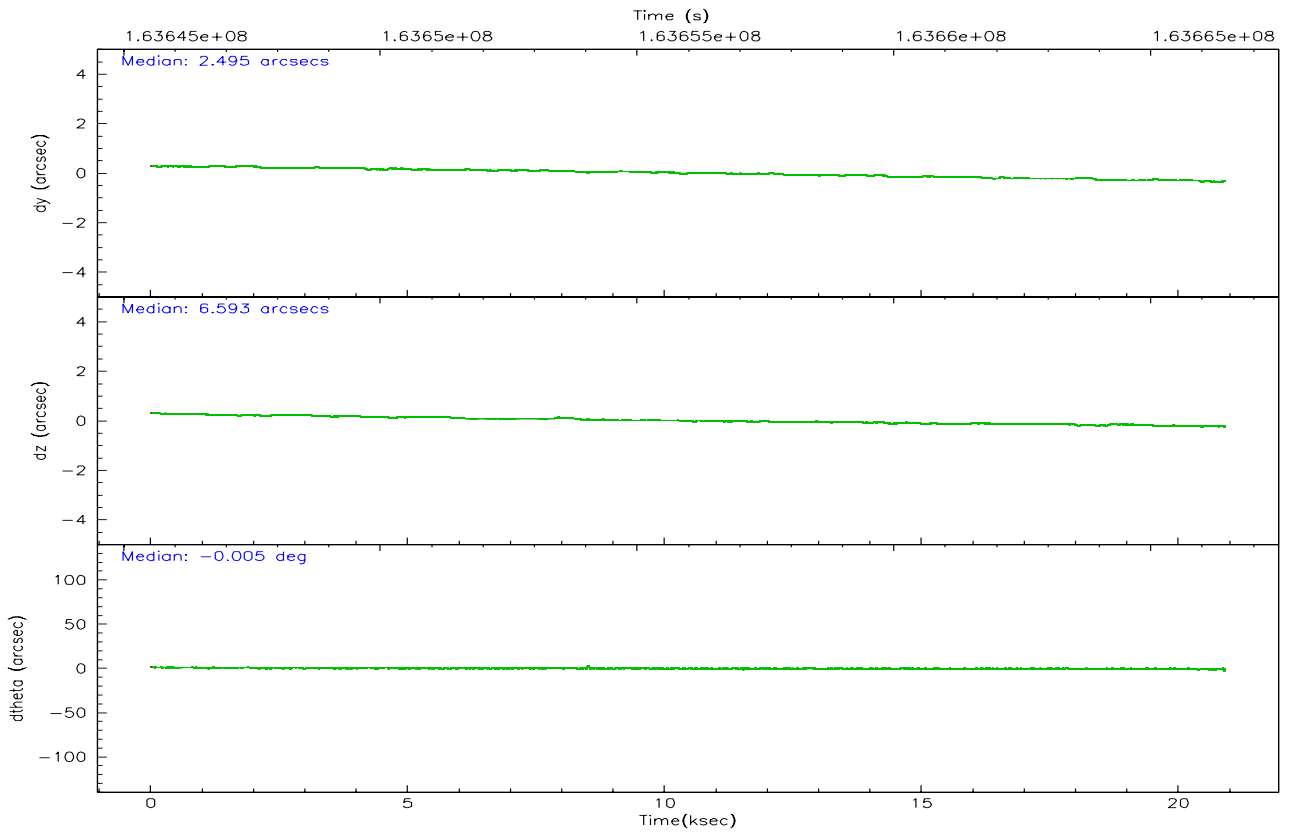
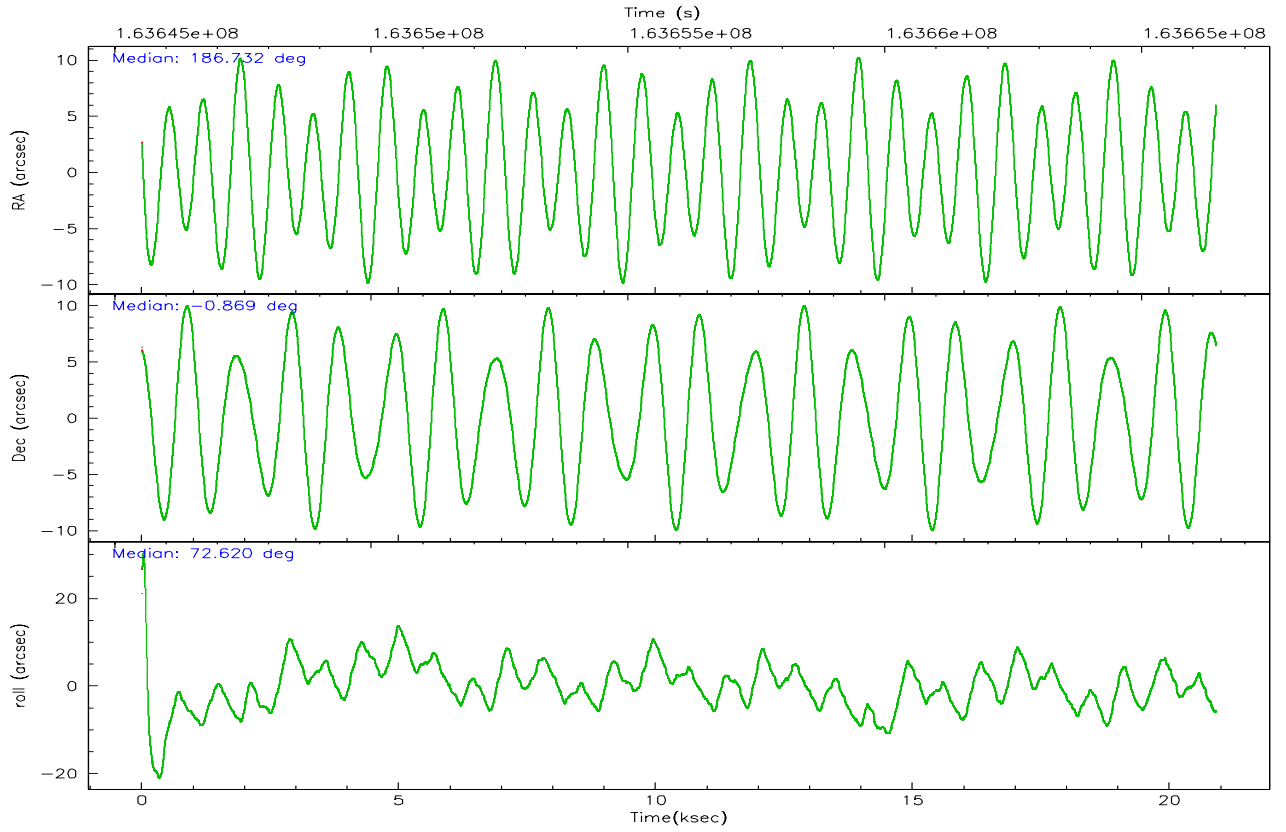
	<b>ccd 7</b>
grade 0 events	1507
	3%
grade 1 events	38
	0%
grade 2 events	4564
	10%
grade 3 events	1514
	3%
grade 4 events	1468
	3%
grade 5 events	3192
	7%
grade 6 events	9950
	22%
grade 7 events	22759
	50%

## 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	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	1/4	1/4
Pointing RA	186.738275	186.7319259491052	Subarray start row	0	385
Pointing Dec	-0.895416	-0.8689366848432355	Subarray row count	1024	256
Pointing Roll	72.469210	72.62574805683766	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	0.8
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	163646449.184000	163645127.98889			
Observation start date	2003-03-10T01:19:45	2003-03-10T00:58:47			
Observation end time	163666449.184000	163667179.32732			
Observation end date	2003-03-10T06:53:05	2003-03-10T07:06:19			
Read mode	TIMED	TIMED			

## 2.3 Aspect



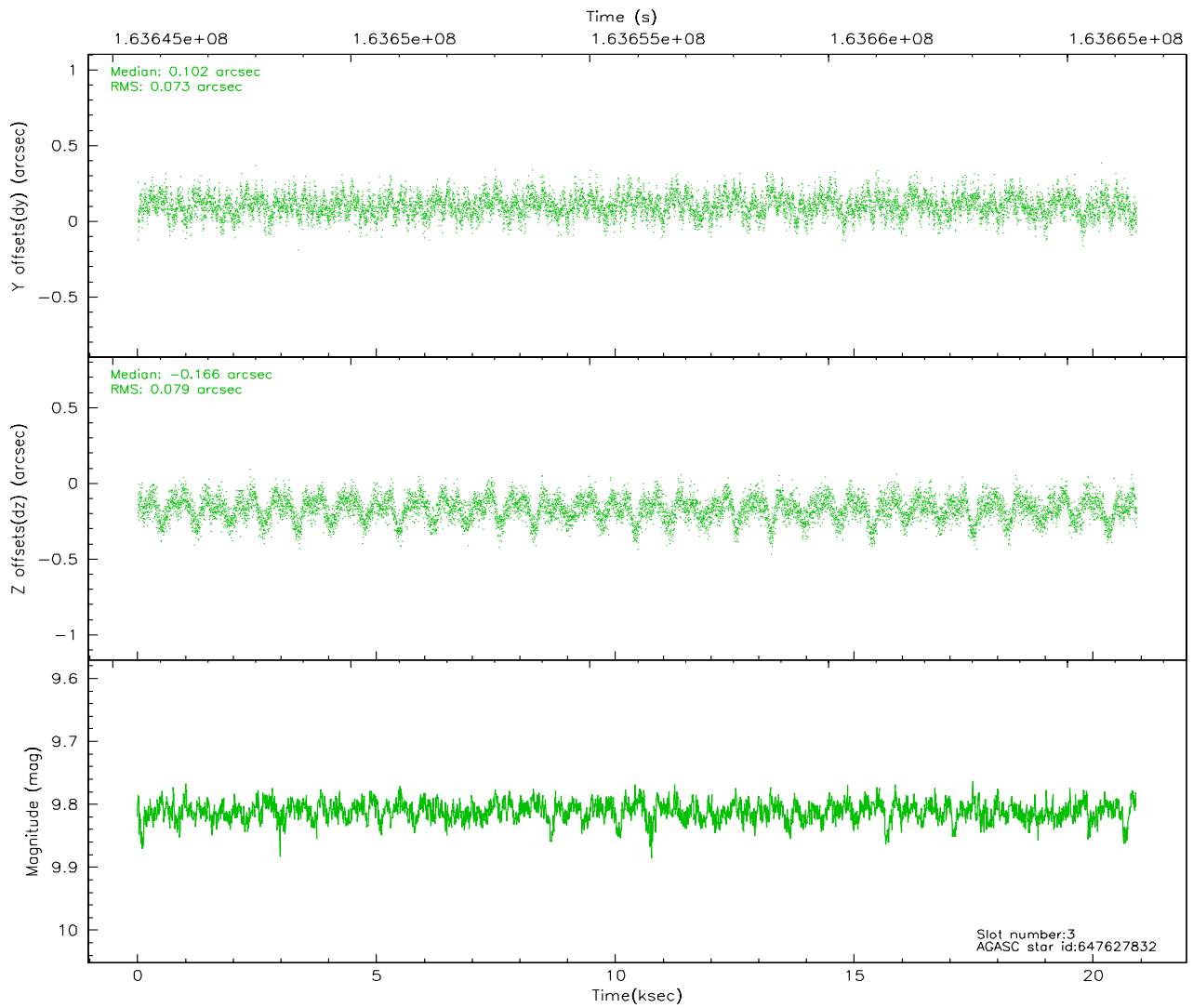
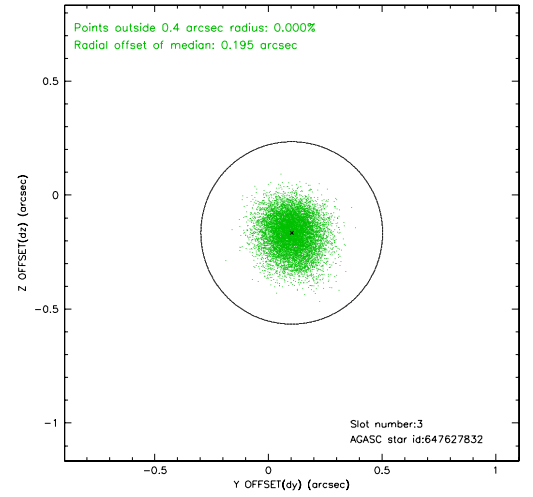
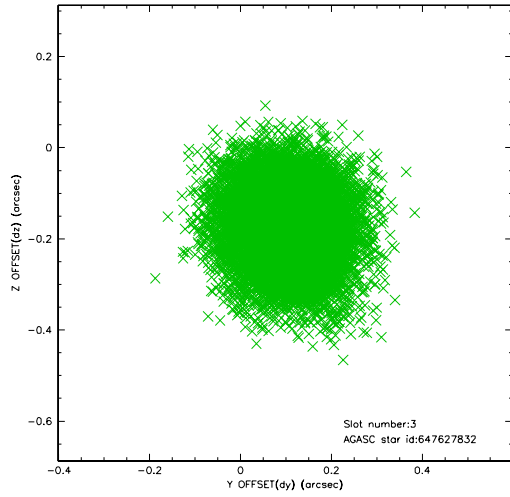


### Slot Statistics

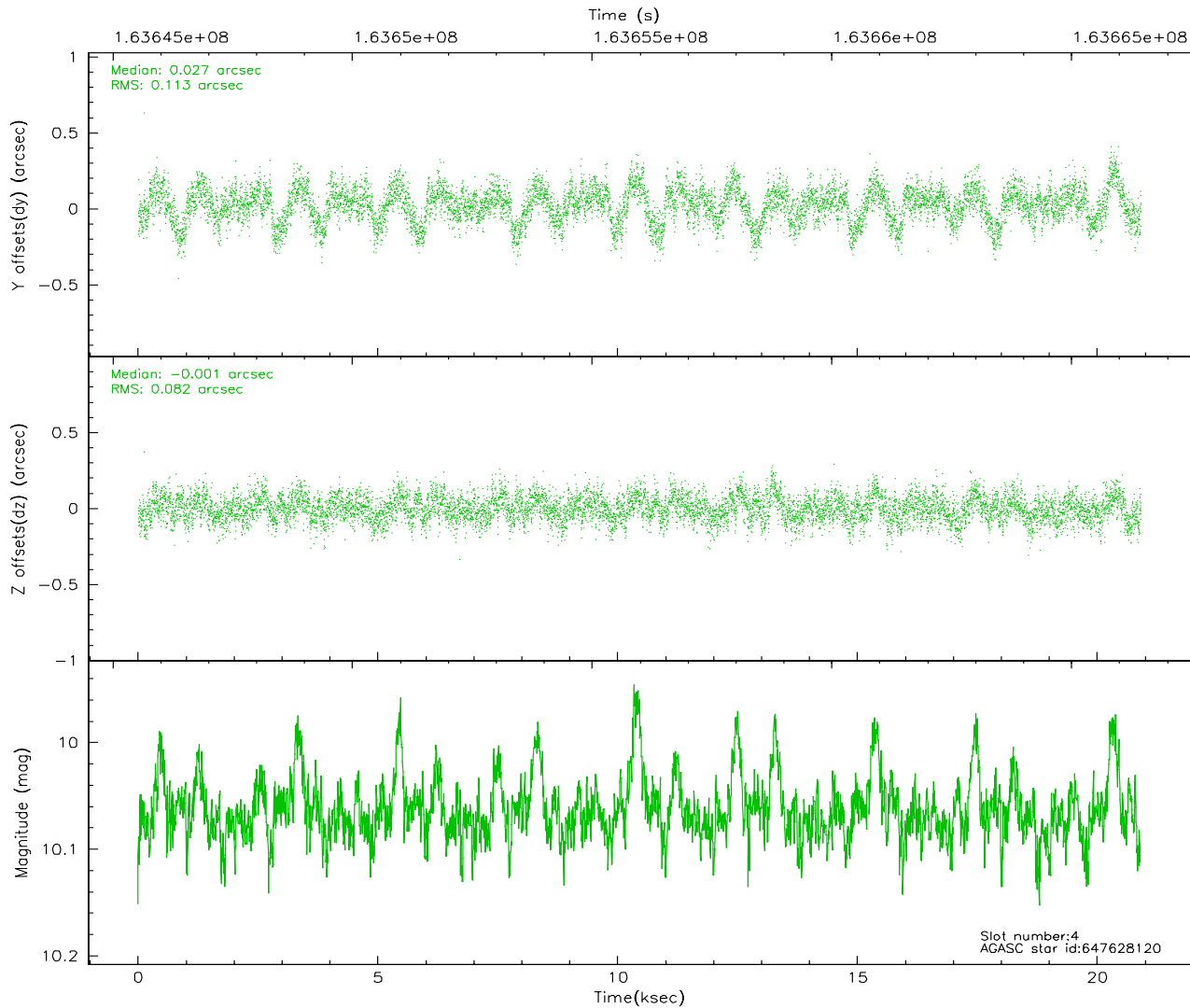
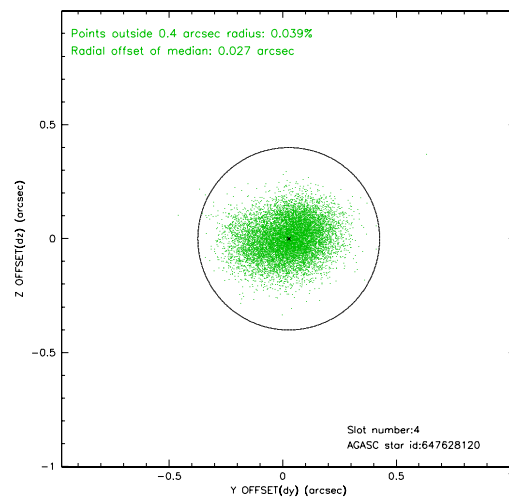
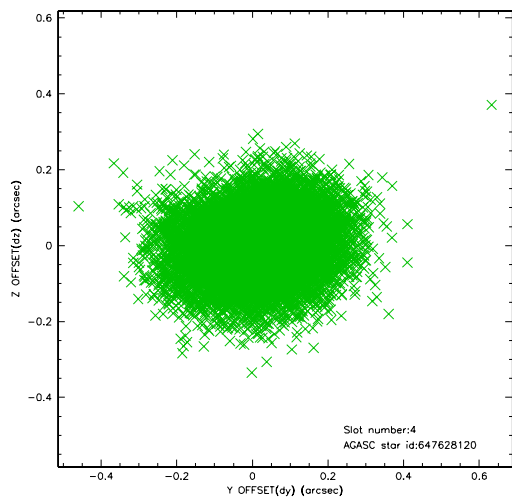
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	5100	-0.029	0.028	0.009	0.014	0.000000	0.000000	-755.12	-1727.75
1	FID	ACIS-S-4	7.20	5100	-0.045	0.006	0.006	0.009	0.000000	0.000000	2158.03	180.58
2	FID	ACIS-S-5	7.24	5100	0.042	-0.026	0.011	0.017	0.000000	0.000000	-1807.70	174.35
3	GUIDE	647627832	9.81	10173	0.102	-0.166	0.116	0.183	186.462633	-1.110595	-1037.78	713.39
4	GUIDE	647628120	10.07	10169	0.027	-0.001	0.148	0.242	187.040020	-0.447035	1866.63	-549.23
5	GUIDE	647628336	9.23	10191	-0.034	0.061	0.083	0.134	186.324925	-1.069909	-1046.96	1229.45
6	GUIDE	647630656	9.48	10189	-0.146	0.124	0.103	0.166	187.256425	-0.901543	540.87	-1784.79
7	GUIDE	647635072	9.51	10193	0.055	-0.013	0.098	0.158	187.100974	-1.198713	-647.61	-1573.92

## 2.4 Star Slots

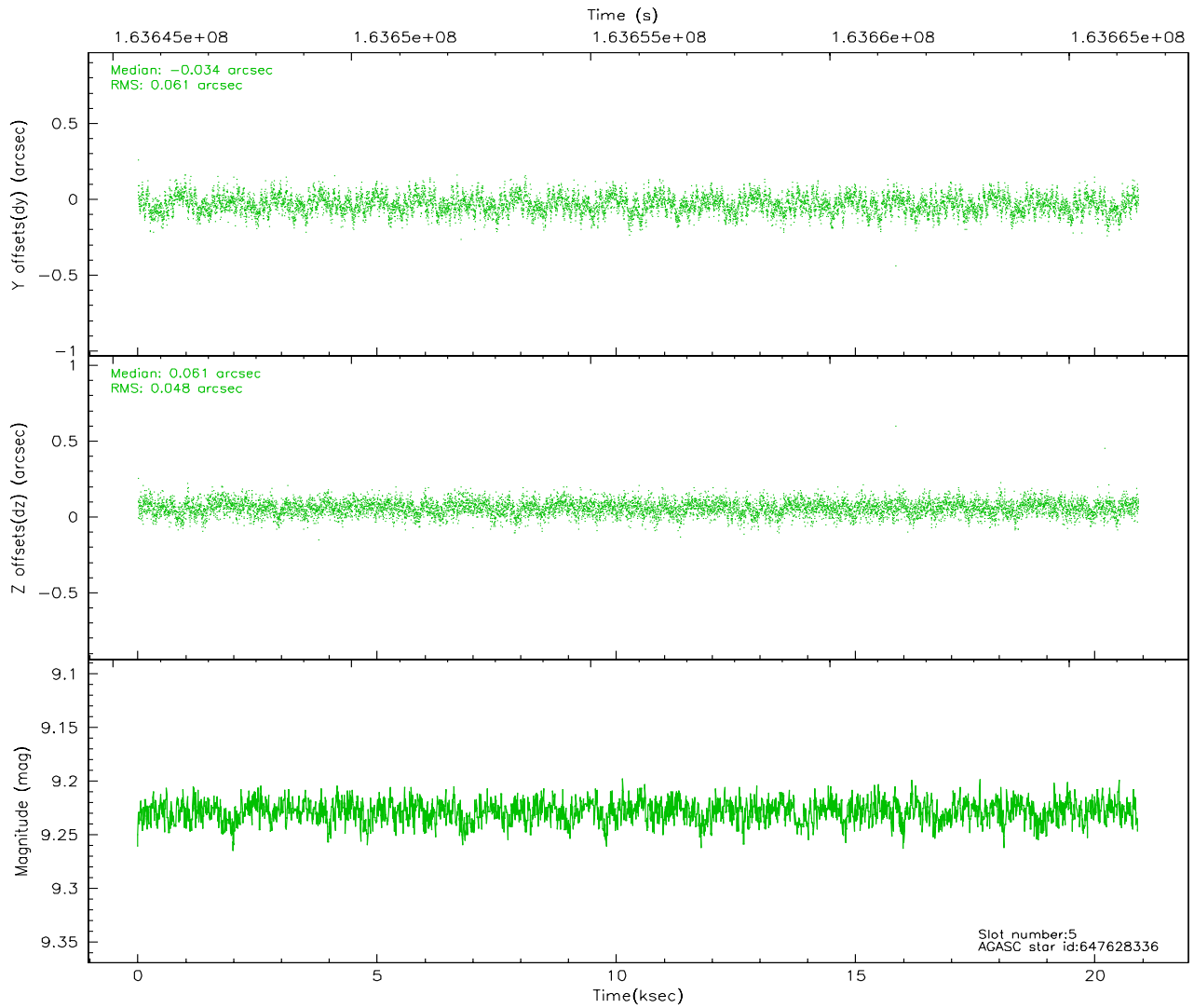
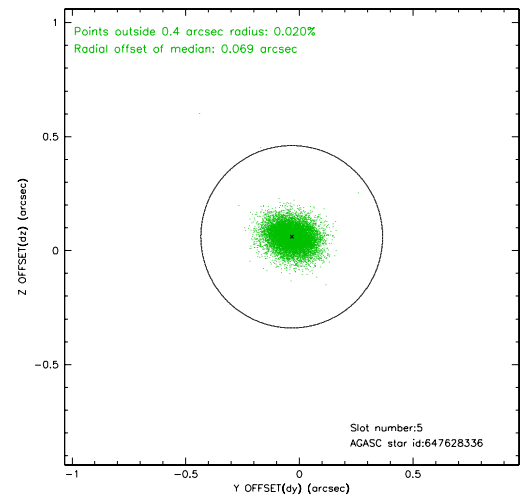
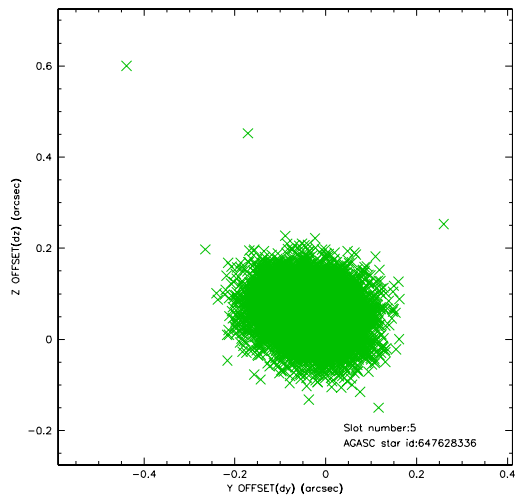
### 2.4.1 Slot 3



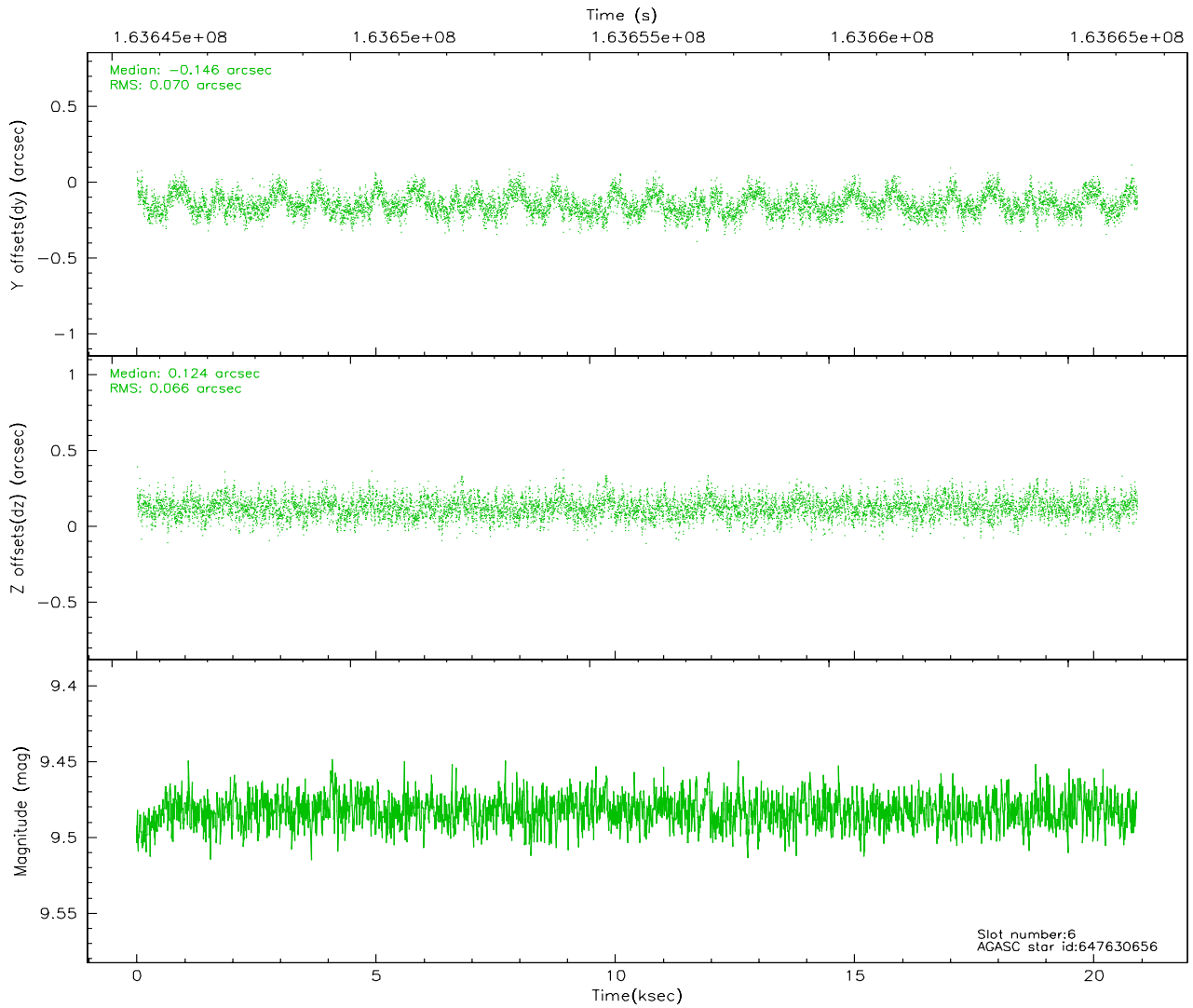
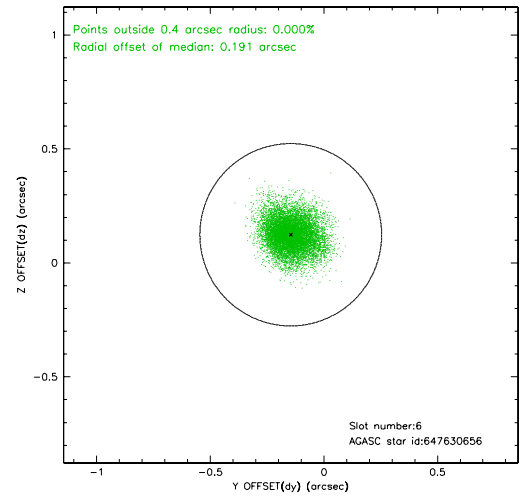
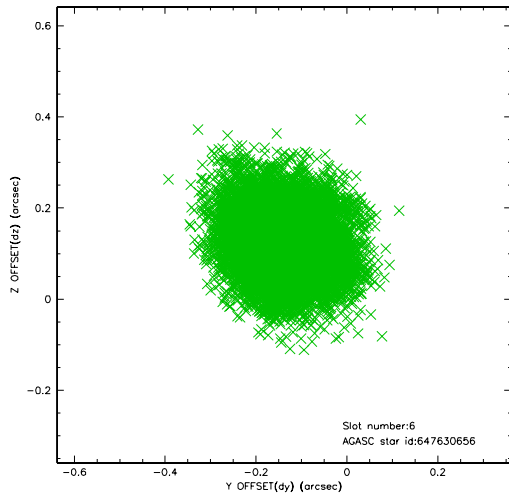
## 2.4.2 Slot 4



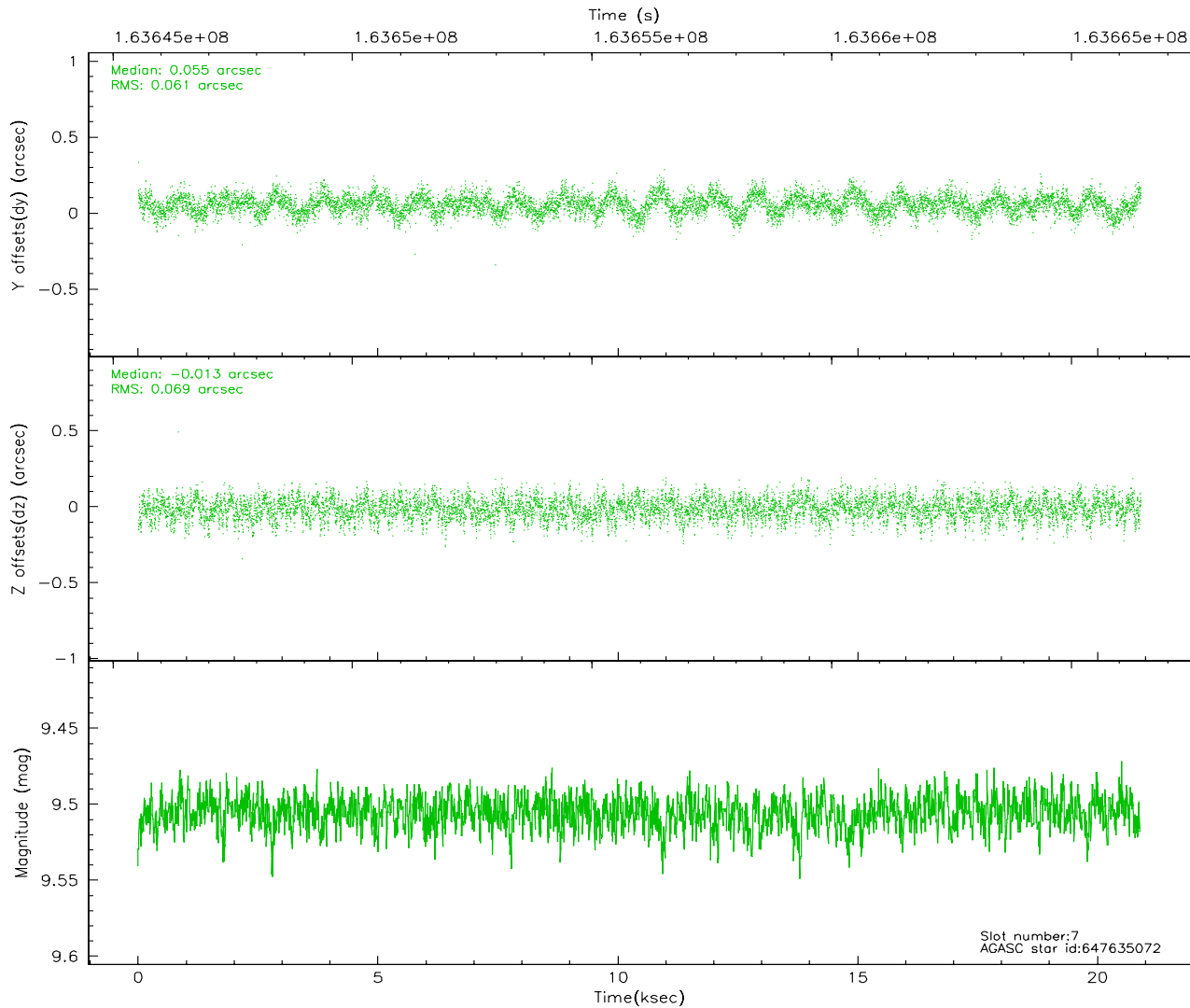
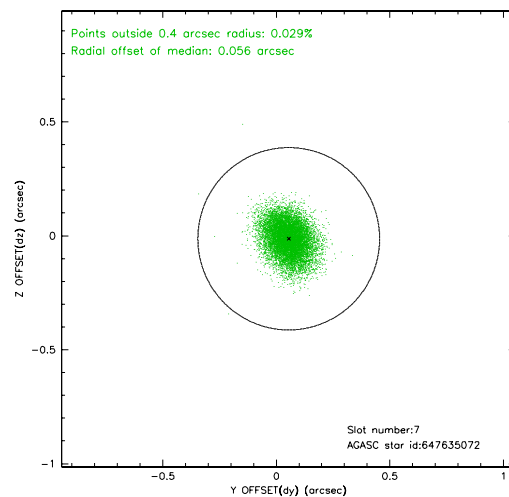
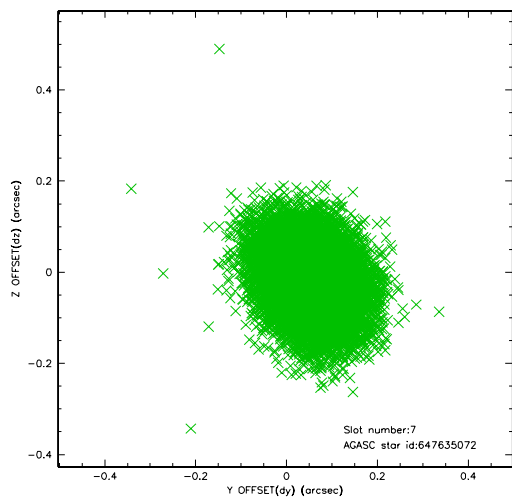
### 2.4.3 Slot 5



### 2.4.4 Slot 6

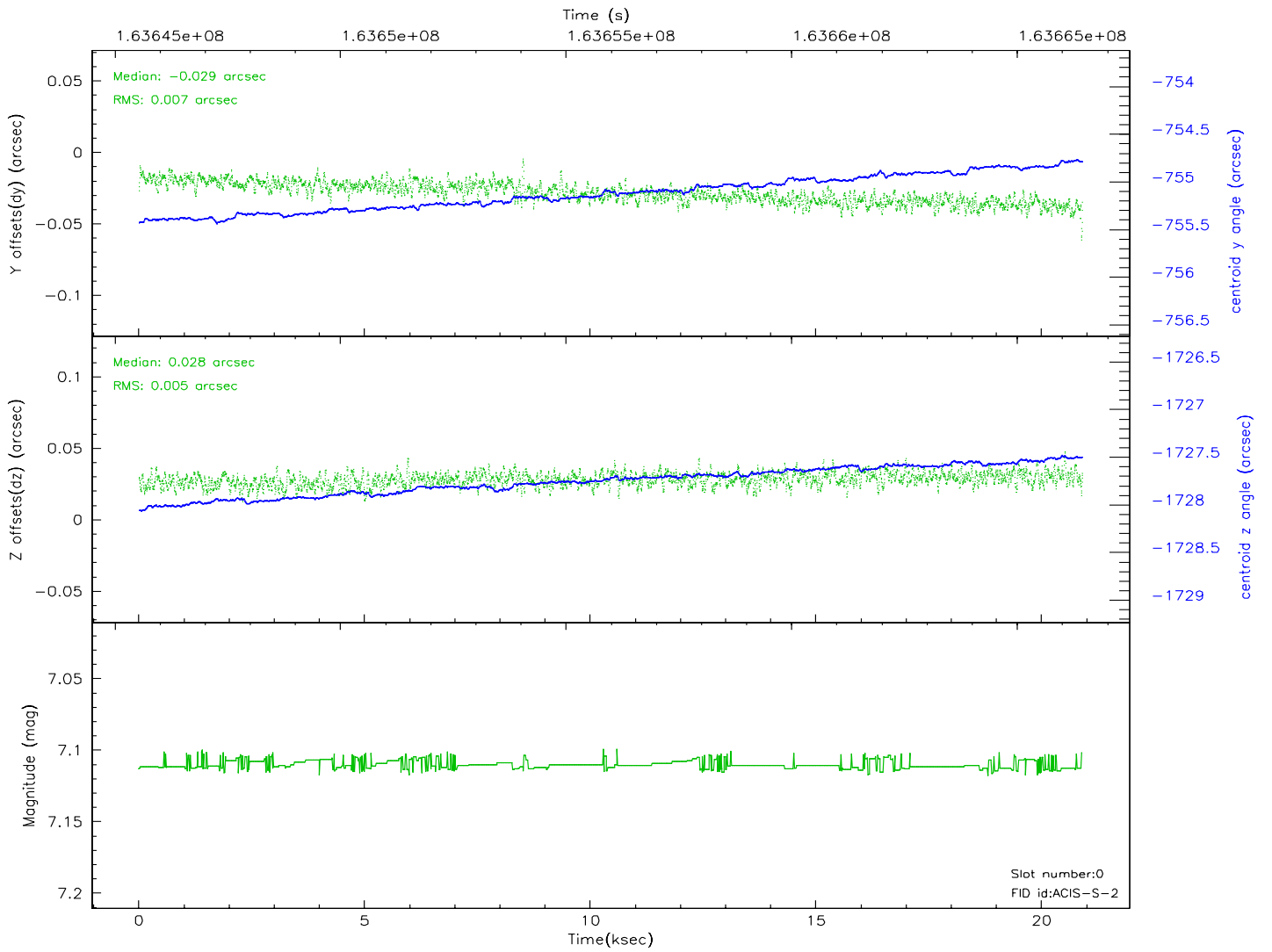
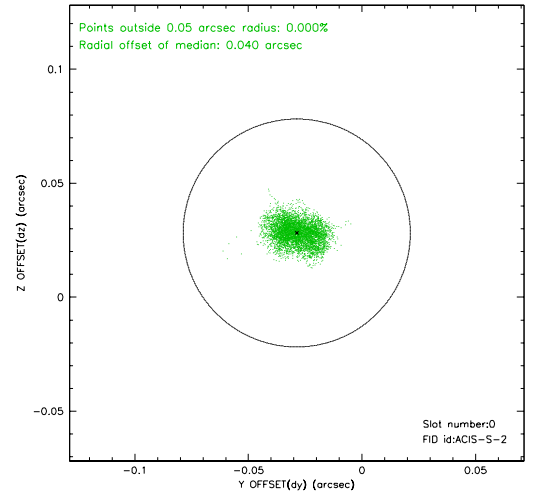
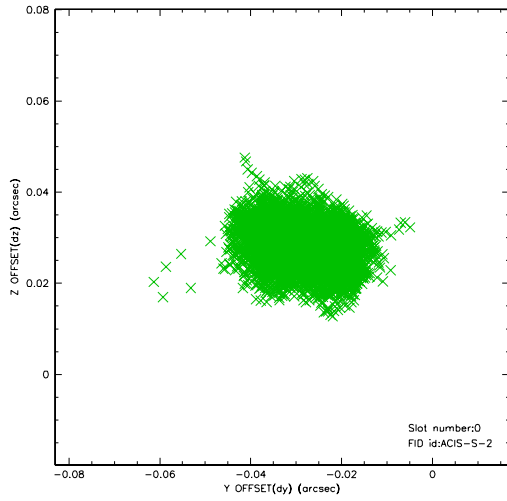


## 2.4.5 Slot 7

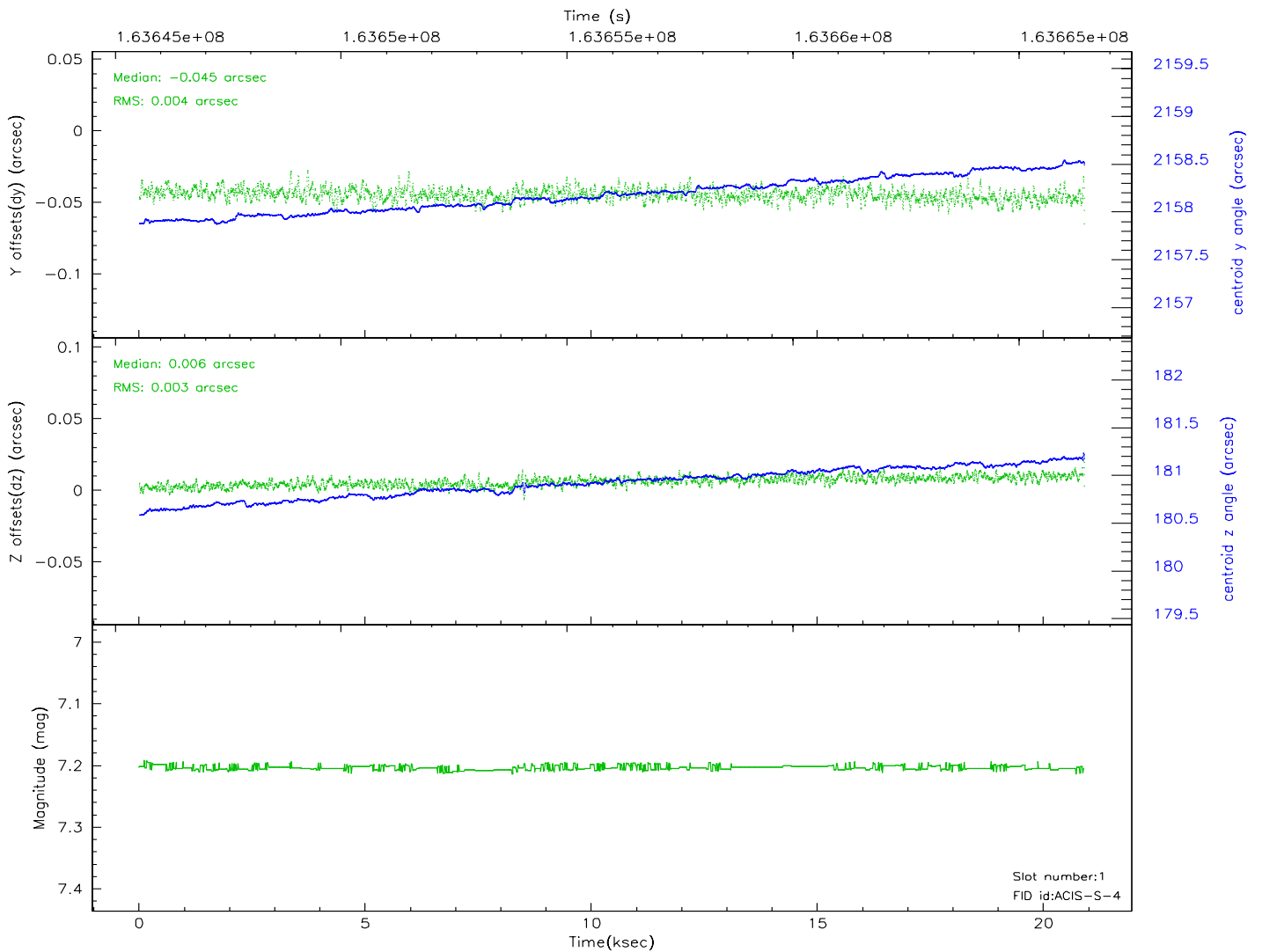
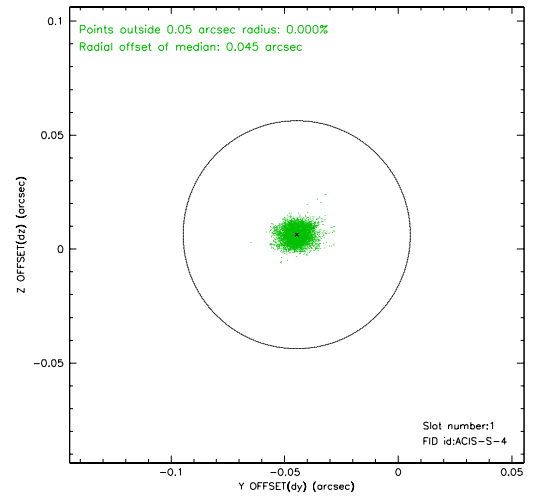
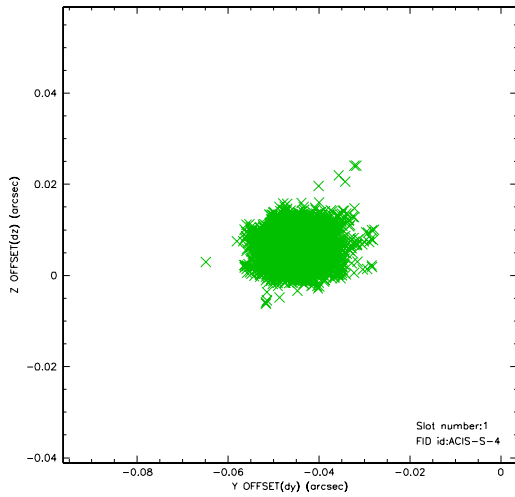


## 2.5 FID Slots

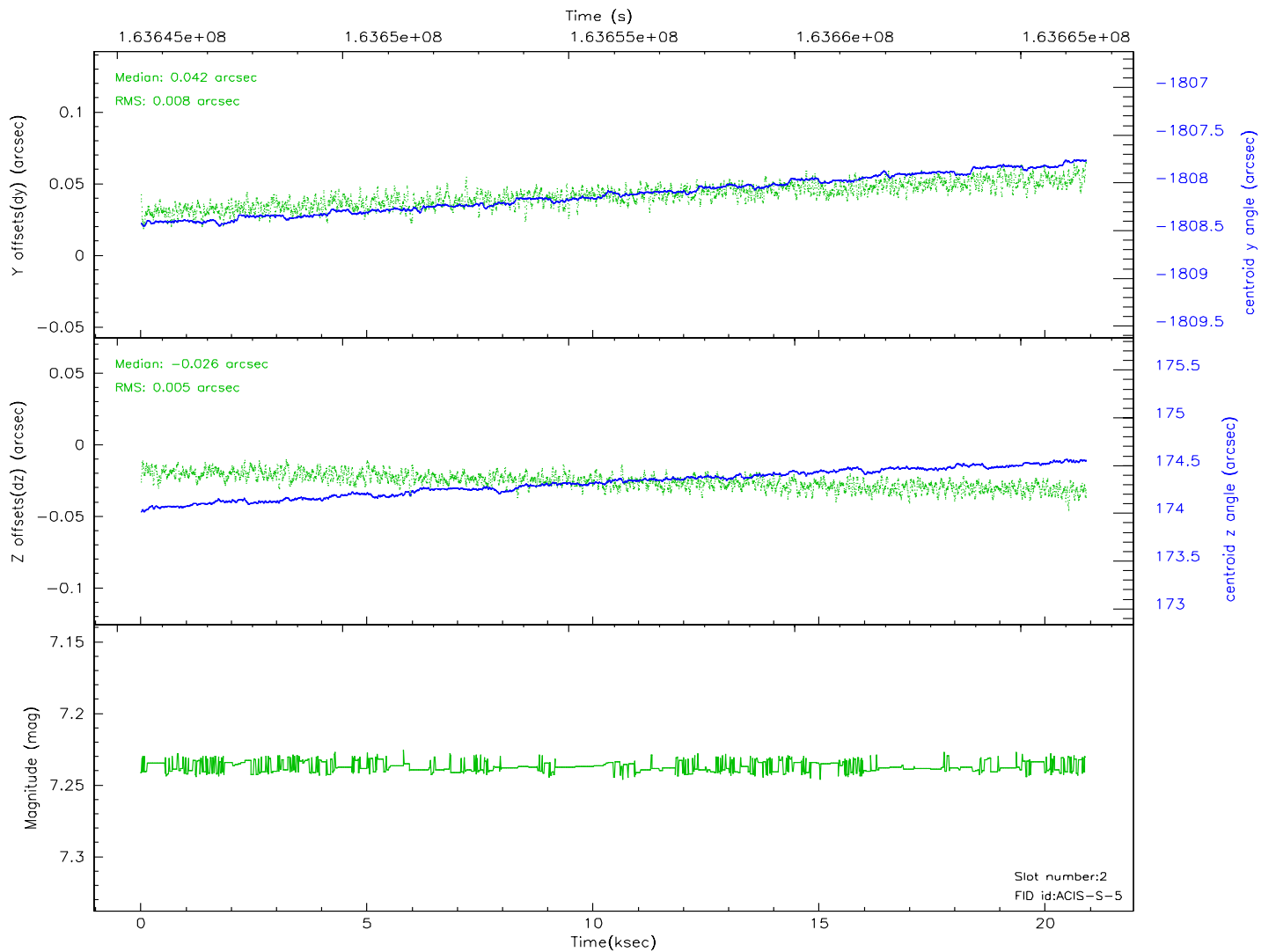
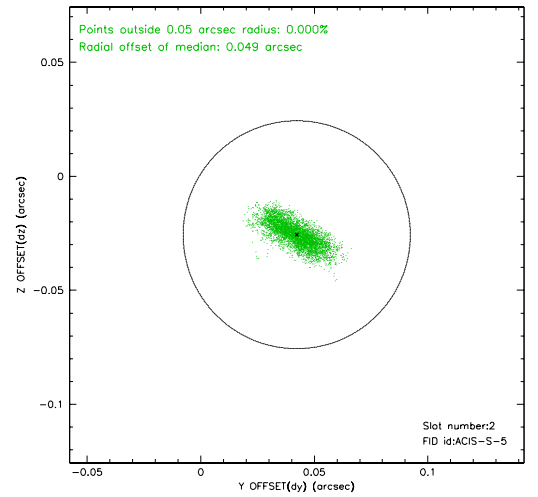
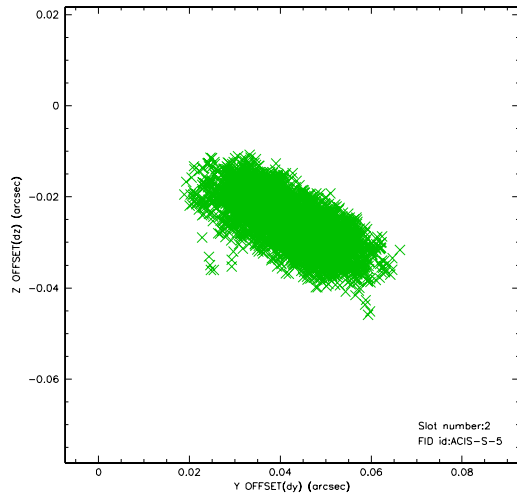
### 2.5.1 Slot 0



## 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)	2006.07.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.829

## A.2 Comments