

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 4619 - L2 Version 001  
Chandra X-Ray Center

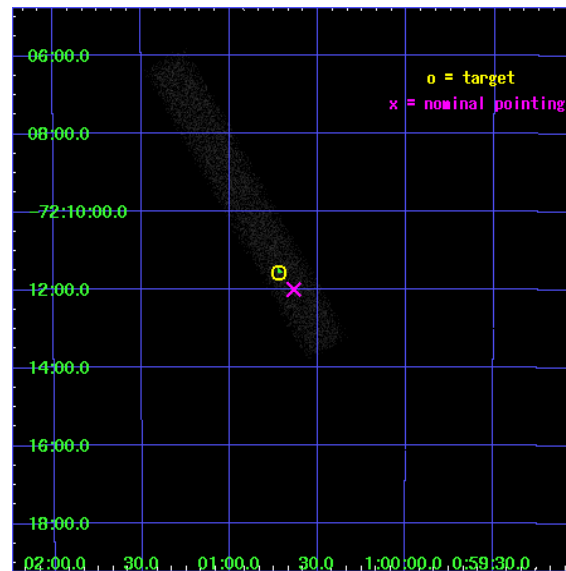
L2 Processing Date : Jun 4 2006

## 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

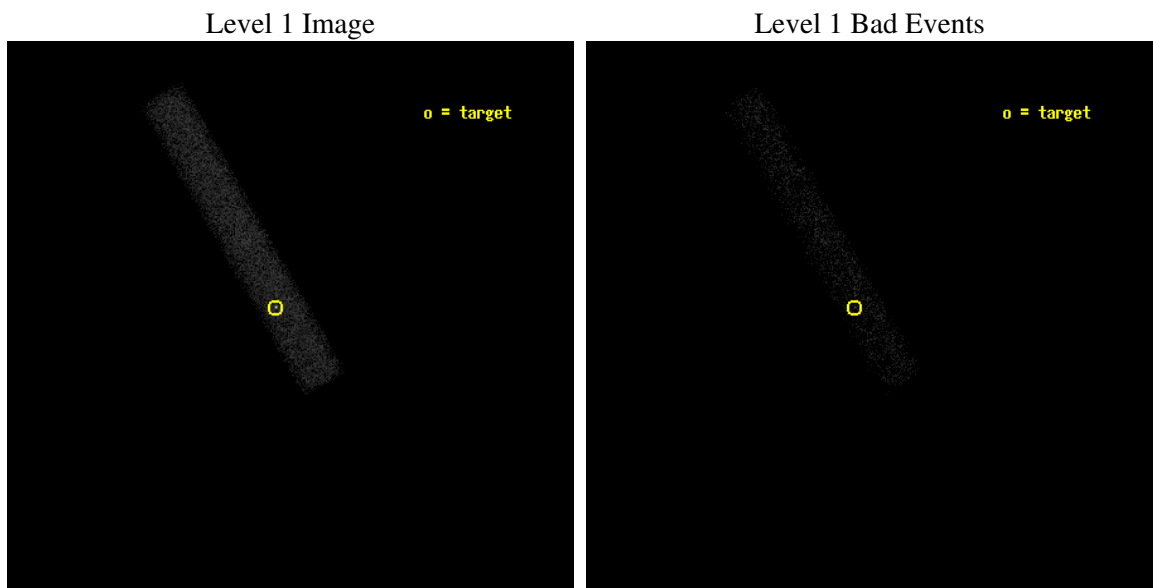
seq_num	500444
obs_id	4619
title	PRECISION TIMING OF A POSSIBLE NEW ANOMALOUS X-RAY PULSAR
observer	Prof. Bryan Gaensler
object	CXOU J010043.1-721134
dtcycle	0
cycle	P
ra_targ	15.179583
dec_targ	-72.192722
ra_nom	15.159220374726
dec_nom	-72.200122638578
roll_nom	240.14226994729
revision	2
ontime	16583.200247109
livetime	15040.087291048
ontime7	16583.200247109
l2events	9419



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-06-04T13:35:35
revision	2

sched_exp_time	16437.950000
ontime	18418.50075525
ontime7	18418.50075525
l1events	22104

### 2.1.4 Events

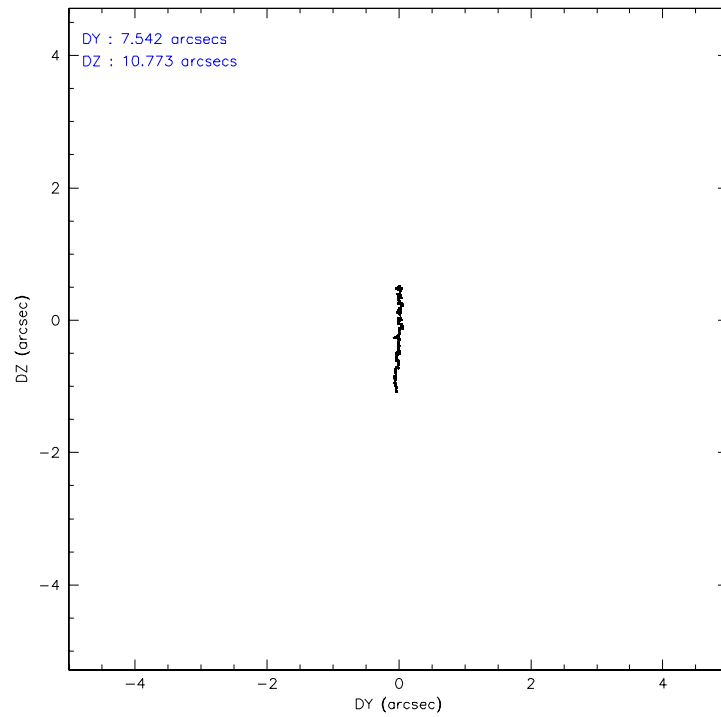
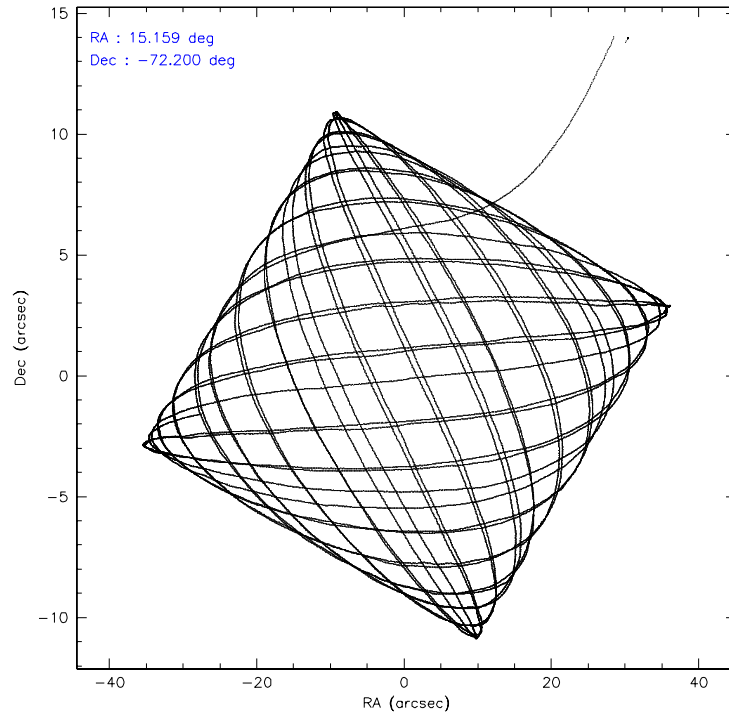
	<b>ccd 7</b>
level 1 events	22104
rejected events	12374
rejected %	55%

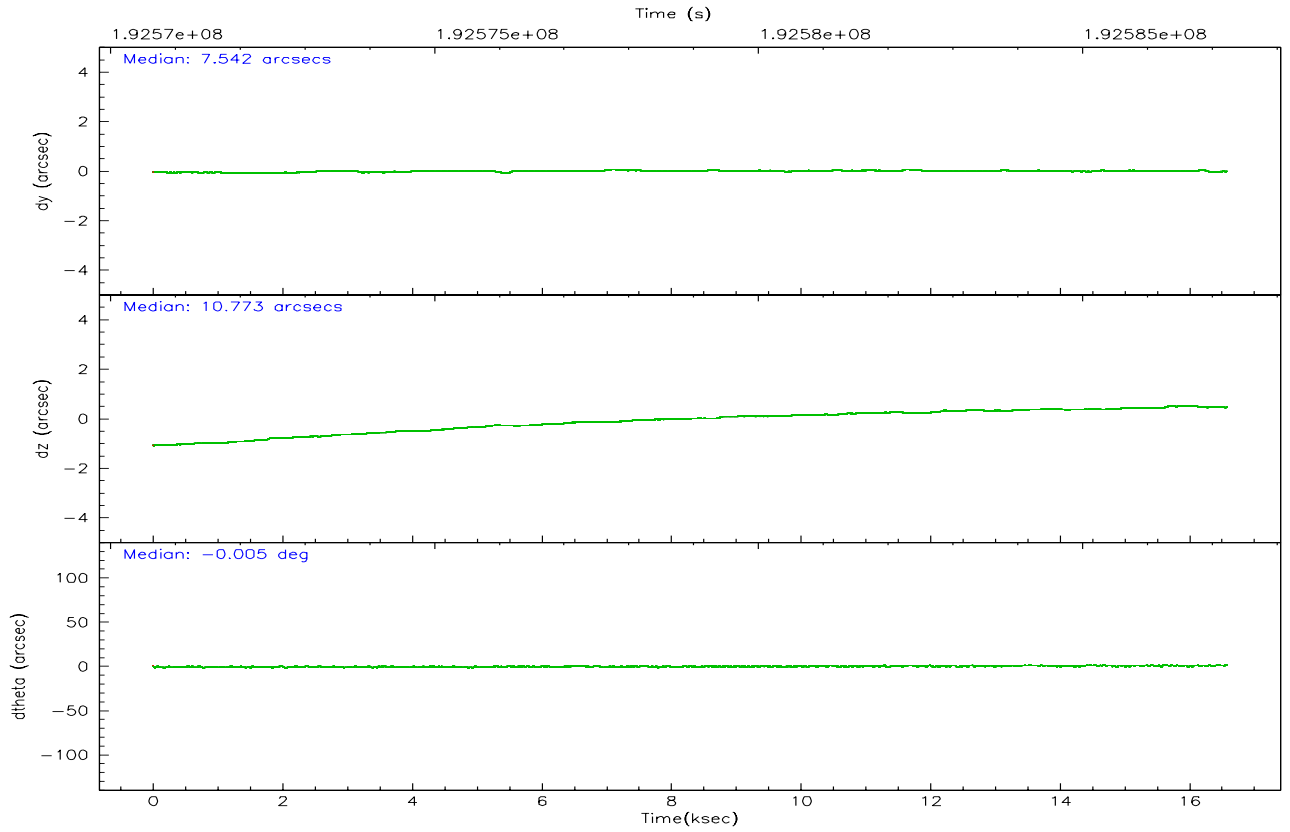
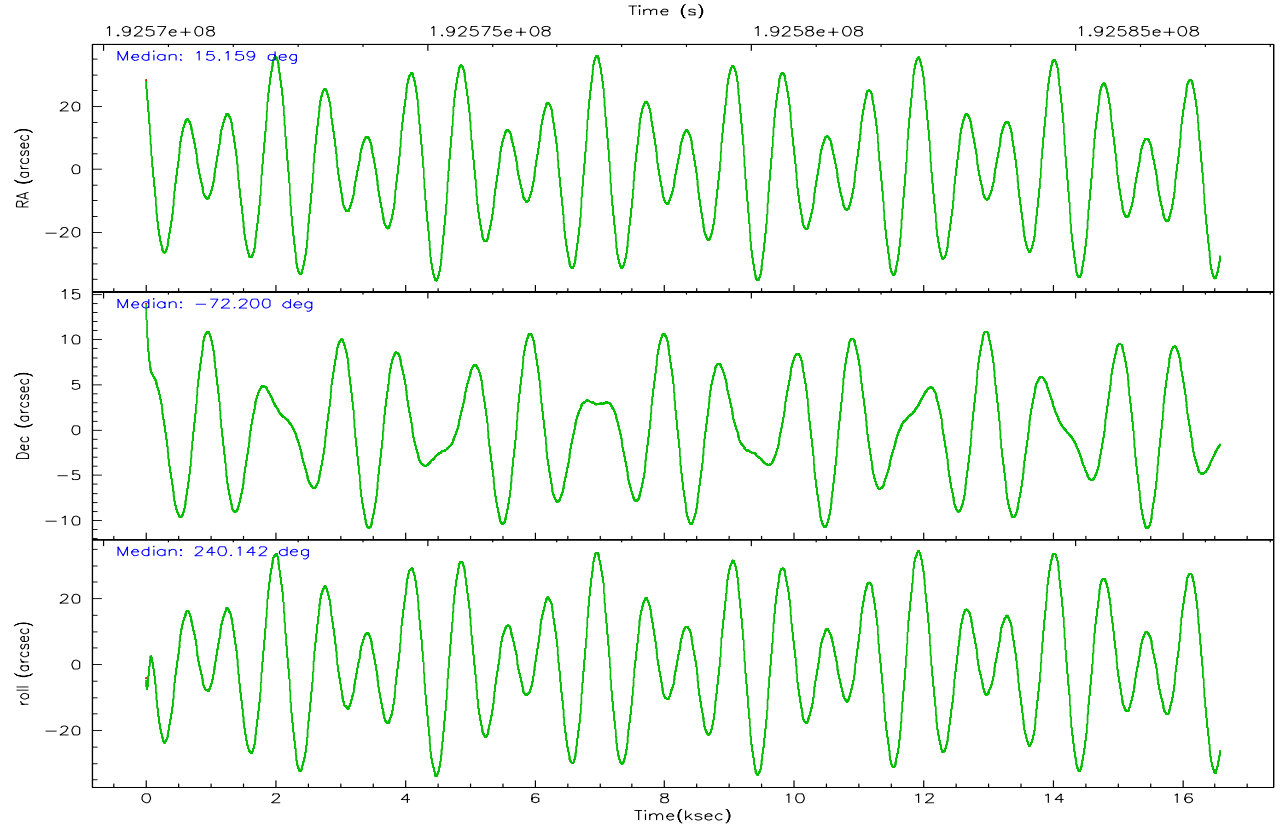
	<b>ccd 7</b>
grade 0 events	1223
	5%
grade 1 events	14
	0%
grade 2 events	2429
	10%
grade 3 events	1111
	5%
grade 4 events	1014
	4%
grade 5 events	1486
	6%
grade 6 events	4765
	21%
grade 7 events	10062
	45%

## 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	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	1/8	1/8
Pointing RA	15.157861	15.15922037472597	Subarray start row	0	449
Pointing Dec	-72.172904	-72.20012263857846	Subarray row count	1024	128
Pointing Roll	239.984374	240.1422699472894	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	0.4
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	192570796.184000	192568816.00291			
Observation start date	2004-02-07T19:52:12	2004-02-07T19:20:16			
Observation end time	192587234.184000	192587548.39123			
Observation end date	2004-02-08T00:26:10	2004-02-08T00:32:28			
Read mode	TIMED	TIMED			

## 2.3 Aspect





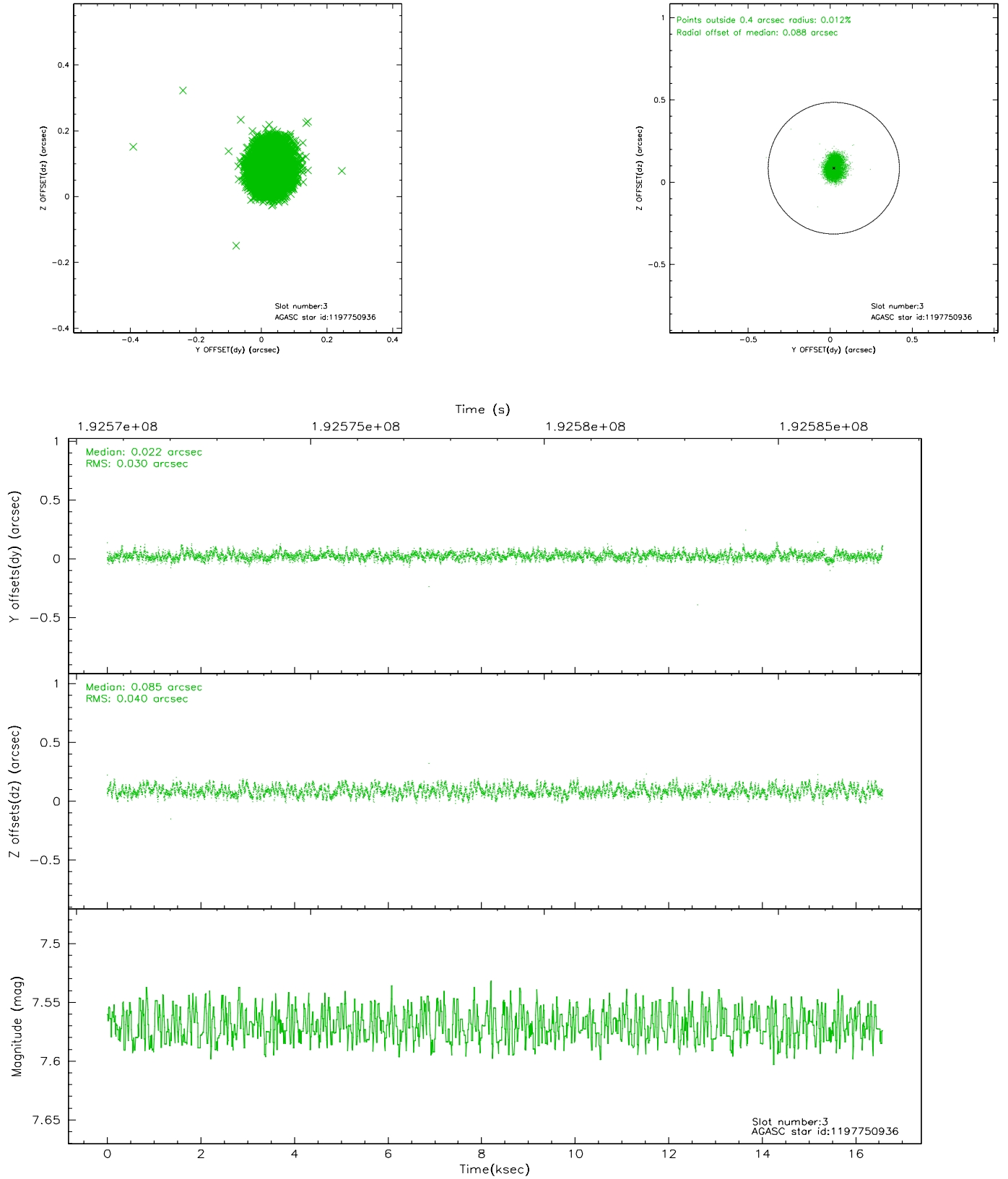
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	4046	0.013	-0.041	0.021	0.049	0.000000	0.000000	935.71	-1727.56
1	FID	ACIS-S-2	7.11	4046	-0.038	0.009	0.015	0.025	0.000000	0.000000	-760.09	-1732.31
2	FID	ACIS-S-4	7.20	4046	-0.000	0.038	0.012	0.026	0.000000	0.000000	2152.85	176.39
3	GUIDE	1197750936	7.57	8090	0.022	0.085	0.053	0.083	15.387940	-71.549550	-2073.70	-894.87
4	GUIDE	1197884536	8.50	8091	0.048	-0.023	0.065	0.103	17.160729	-71.835289	-2144.54	1356.90
5	GUIDE	1197884712	8.30	8089	0.040	0.041	0.055	0.089	16.087398	-72.252690	-254.93	1031.33
6	GUIDE	1197885328	7.22	8090	0.012	-0.077	0.052	0.080	16.283090	-71.733943	-1993.57	315.37
7	GUIDE	1198189696	7.35	8089	-0.121	-0.028	0.044	0.069	15.223750	-72.697522	1599.72	1006.26

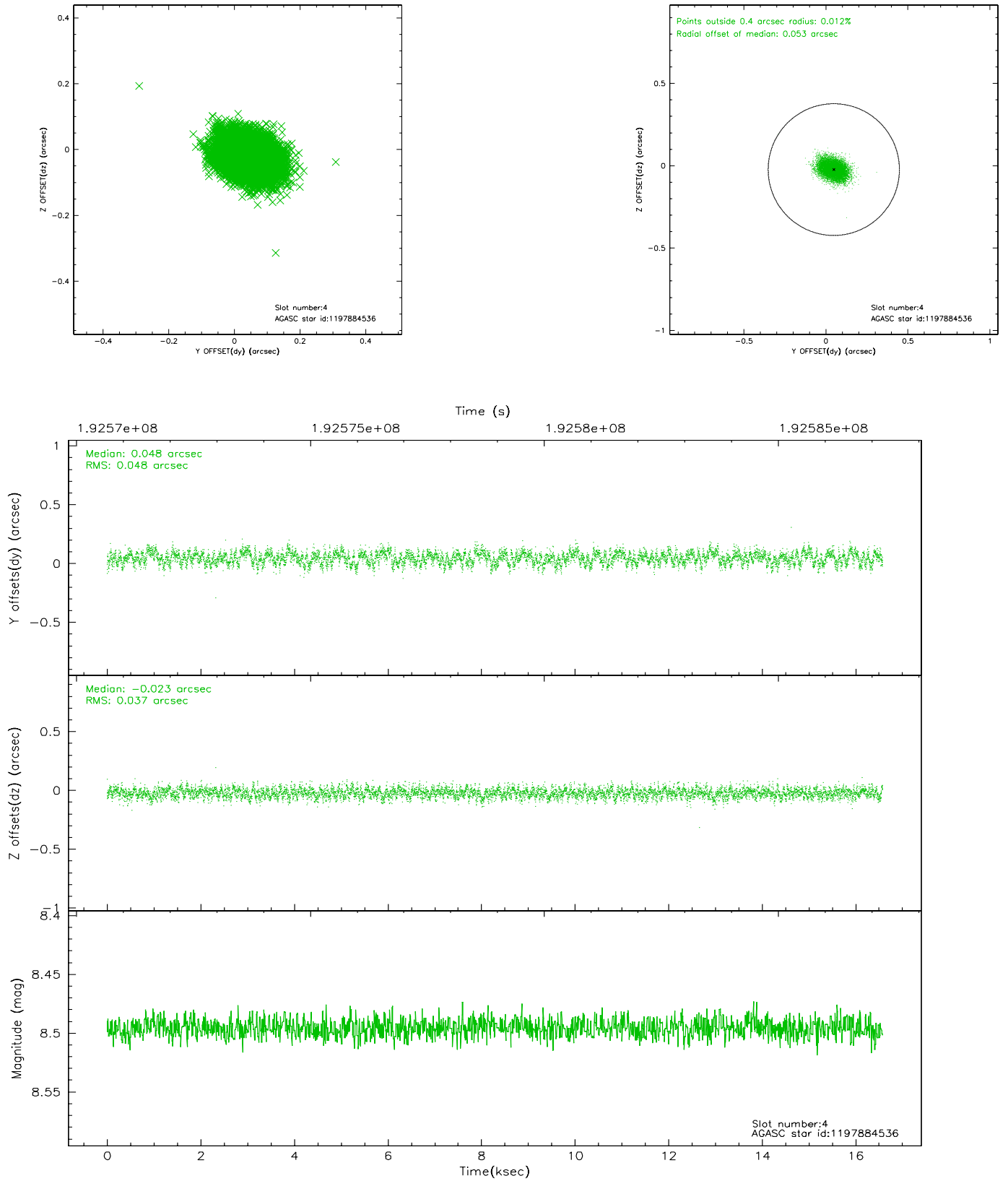


## 2.4 Star Slots

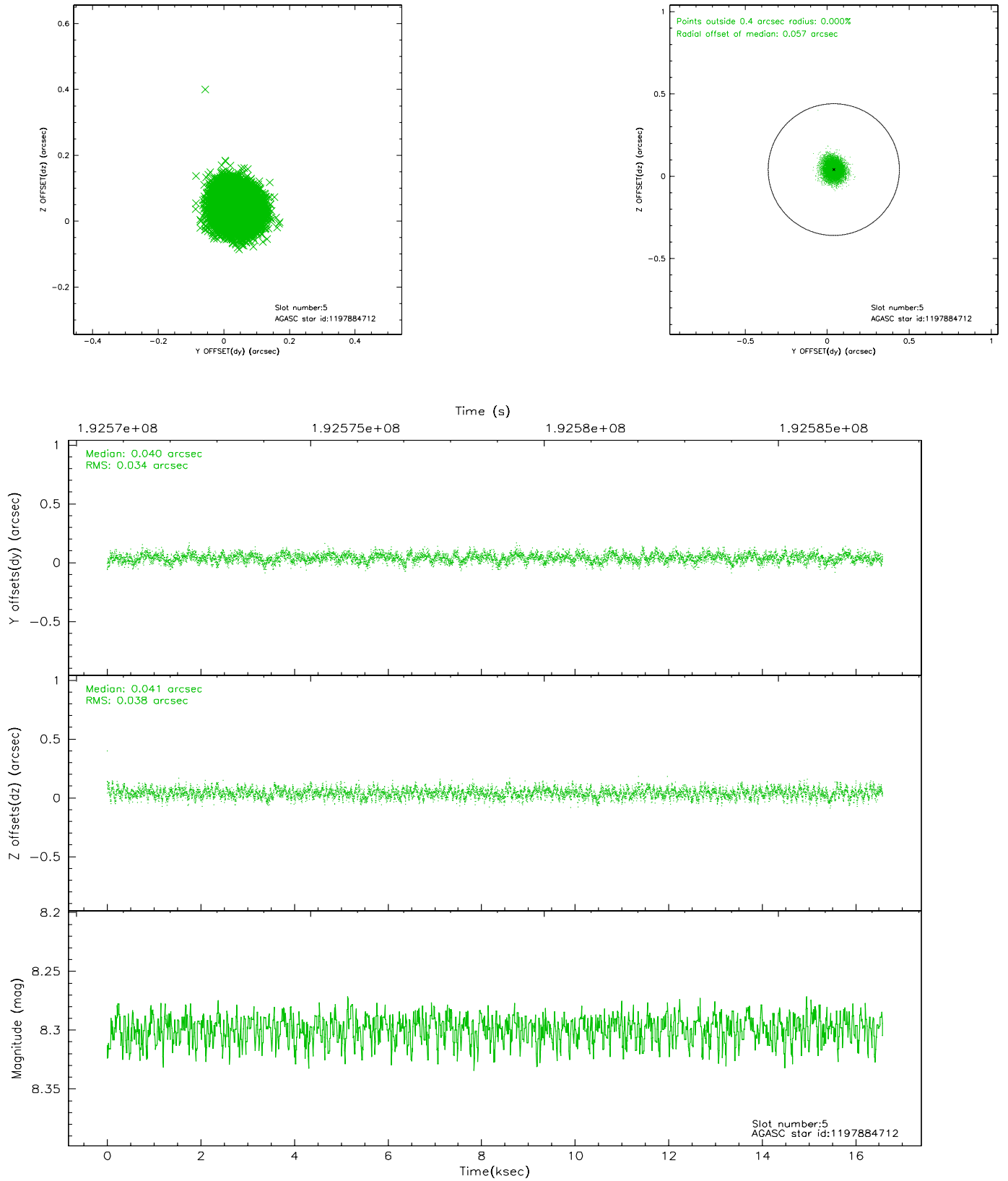
### 2.4.1 Slot 3



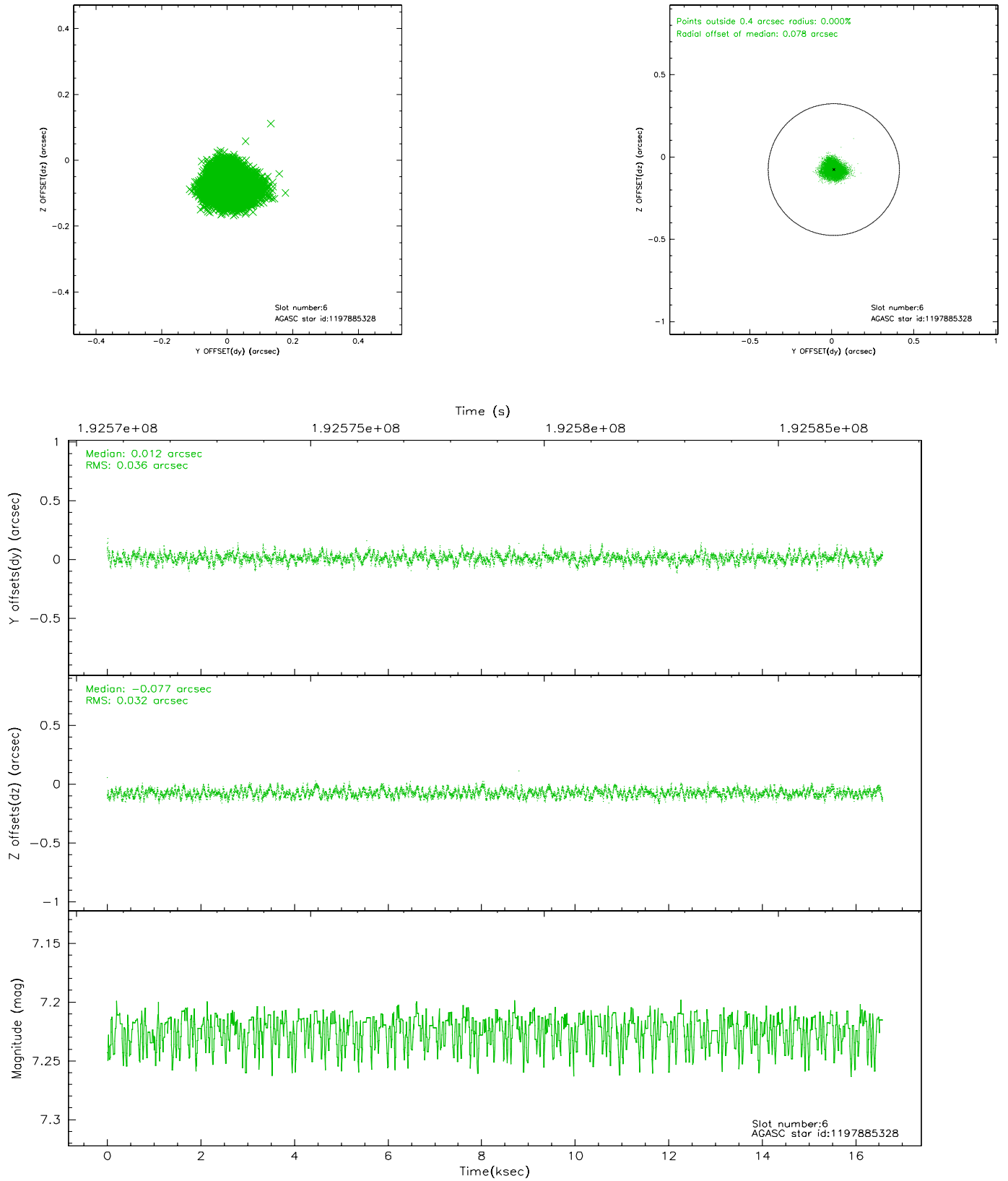
## 2.4.2 Slot 4



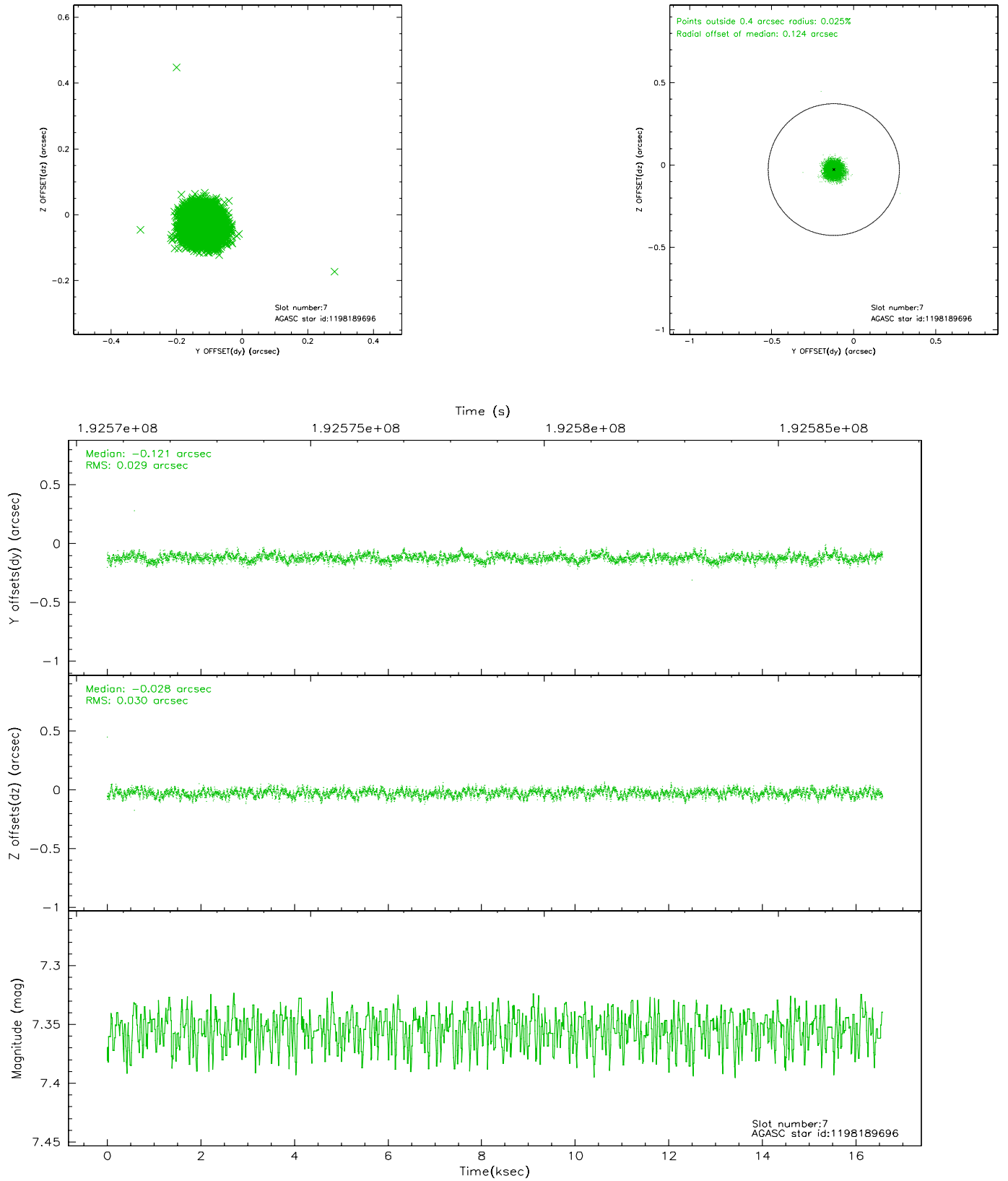
### 2.4.3 Slot 5



## 2.4.4 Slot 6

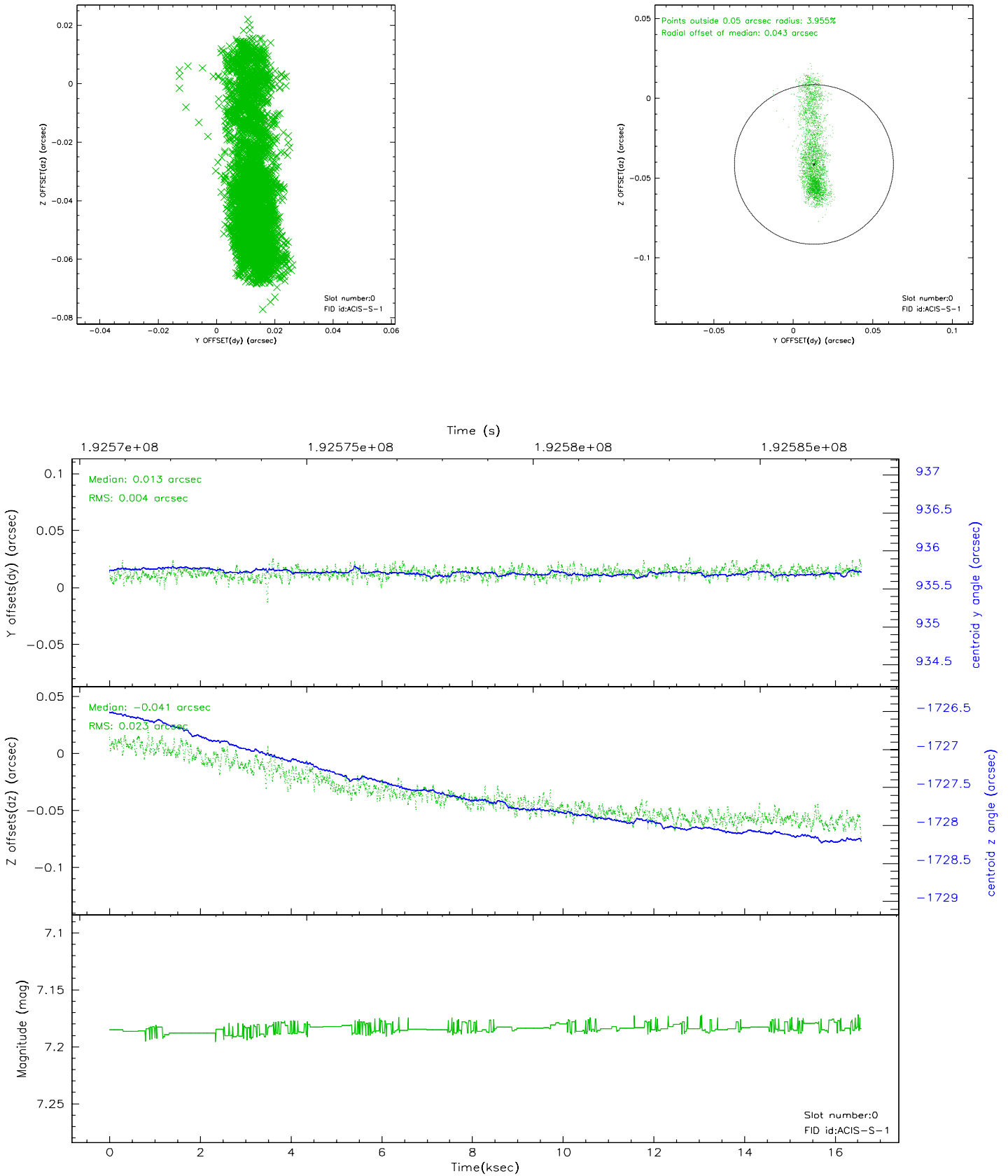


## 2.4.5 Slot 7

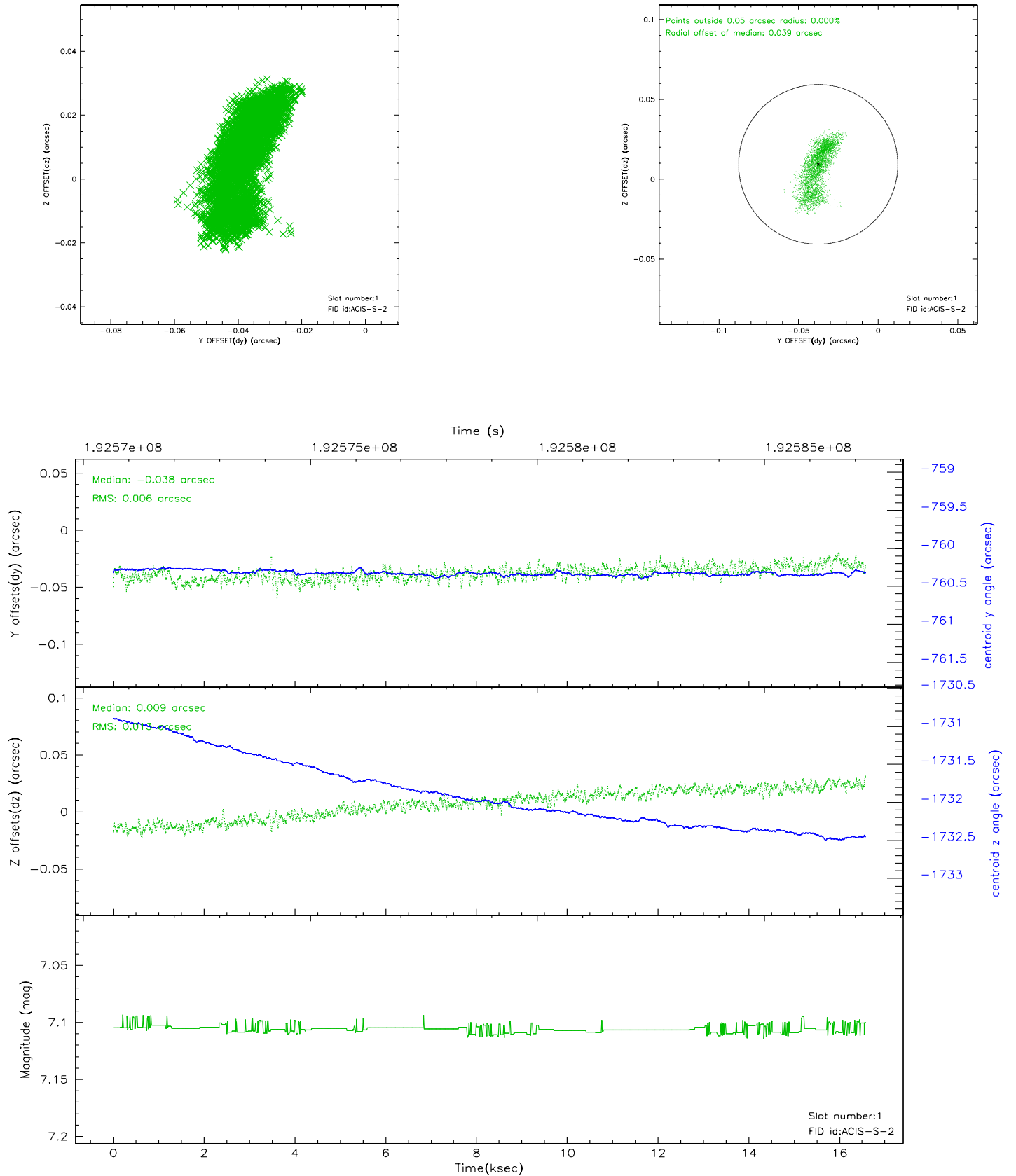


## 2.5 FID Slots

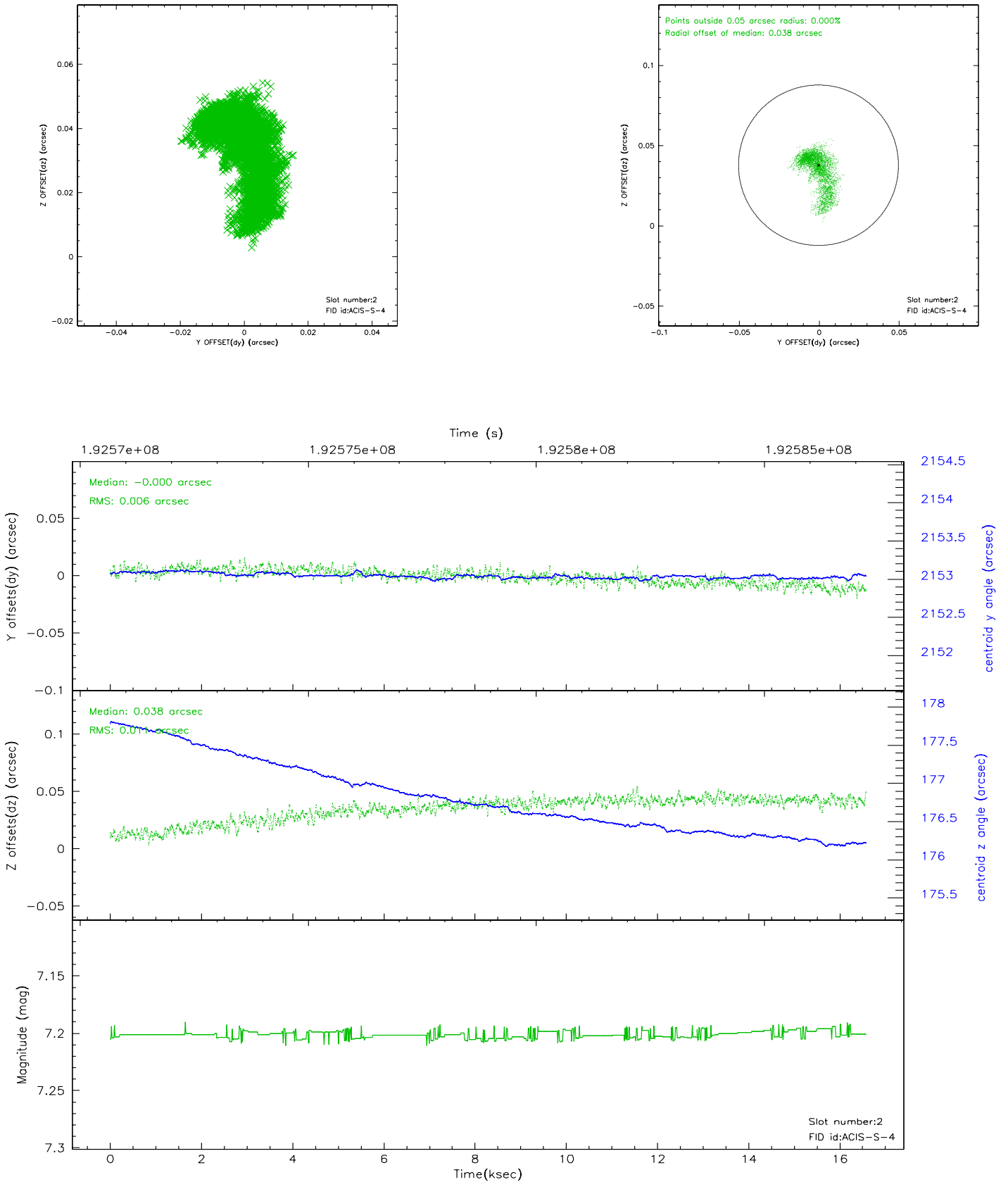
### 2.5.1 Slot 0



## 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)	2006.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	16.583

### A.2 Comments