

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 6288 - L2 Version 002  
Chandra X-Ray Center

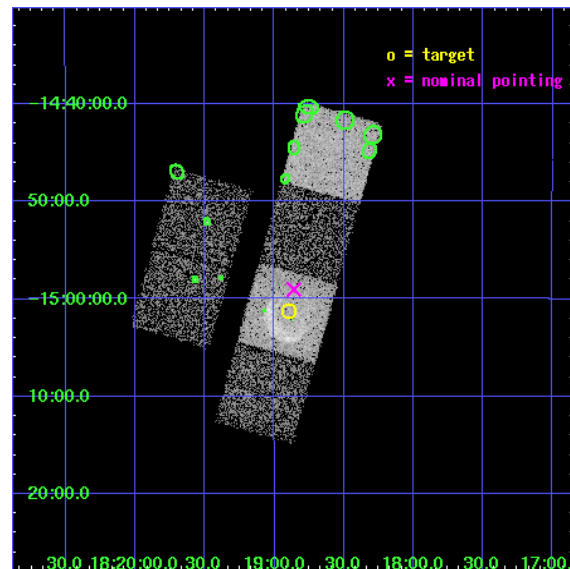
L2 Processing Date : Mar 8 2006

## 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

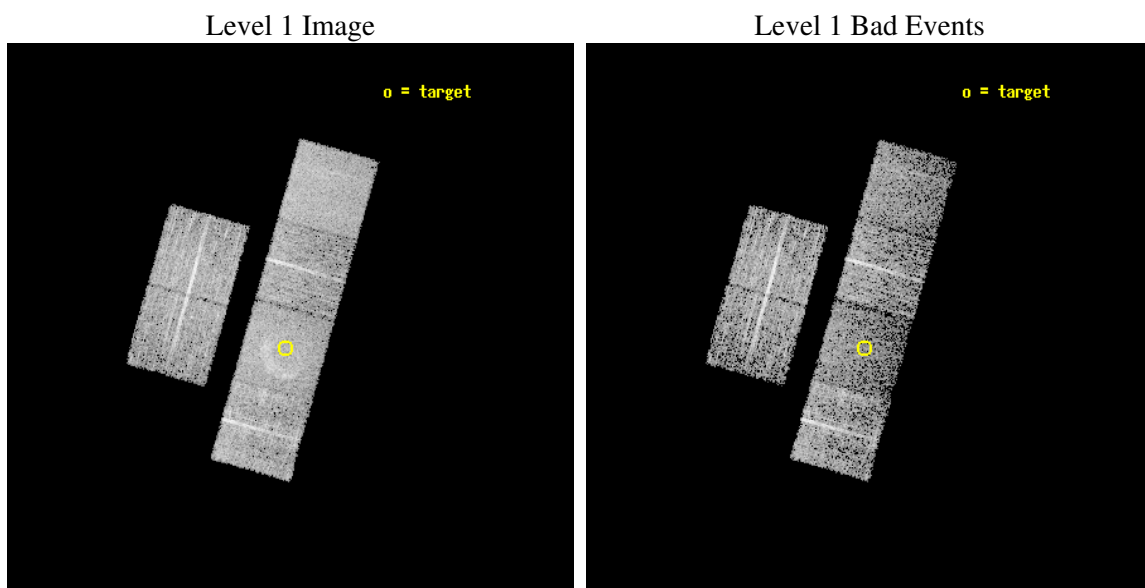
seq_num	500524
obs_id	6288
title	Small-Diameter Galactic Supernova Remnants: The Missing Young Remnants?
observer	Dr. Stephen Reynolds
object	G15.9+0.2
dtcycle	0
cycle	P
ra_targ	274.72375
dec_targ	-15.020556
ra_nom	274.71493670011
dec_nom	-14.984108831038
roll_nom	105.75433478948
revision	2
ontime	4956.7999815345
livetime	4894.0339955417
ontime2	4956.7999815345
ontime3	4956.7999815345
ontime5	4956.7999815345
ontime6	4956.7999815345
ontime7	4956.7999815345
ontime8	4956.7999815345
l2events	44667



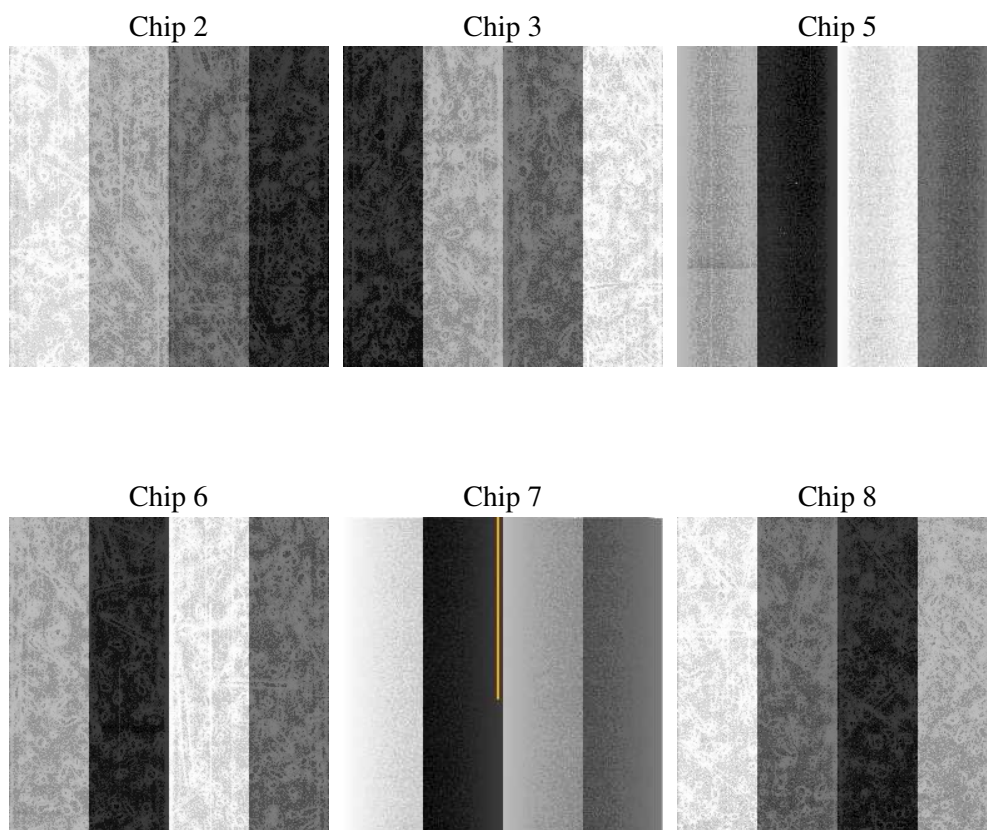
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-03-08T10:04:50
revision	2

sched_exp_time	5000.000000
ontime	4961.9900263548
ontime2	4961.9900263548
ontime3	4961.9900263548
ontime5	4961.9900462925
ontime6	4961.9900263548
ontime7	4961.9900263548
ontime8	4961.9900263548
l1events	191044

### 2.1.4 Events

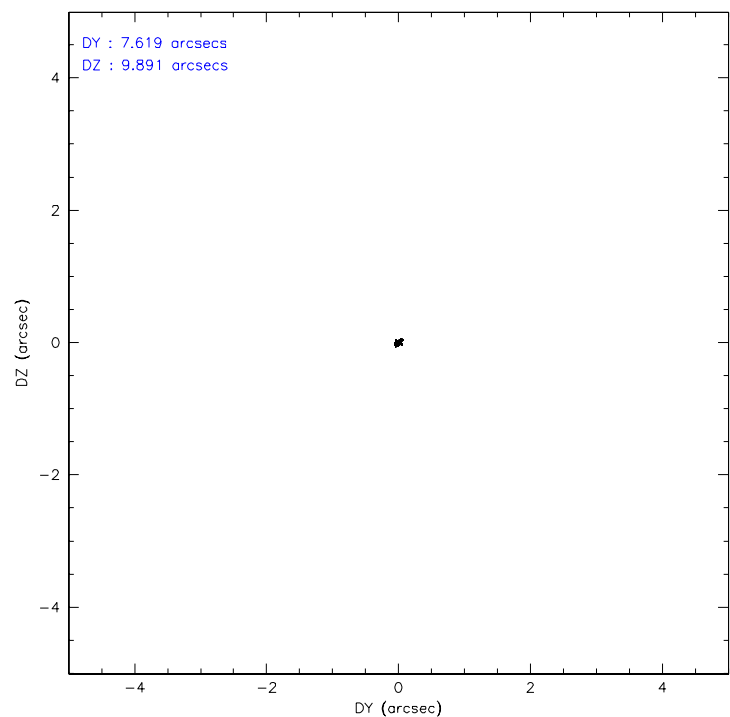
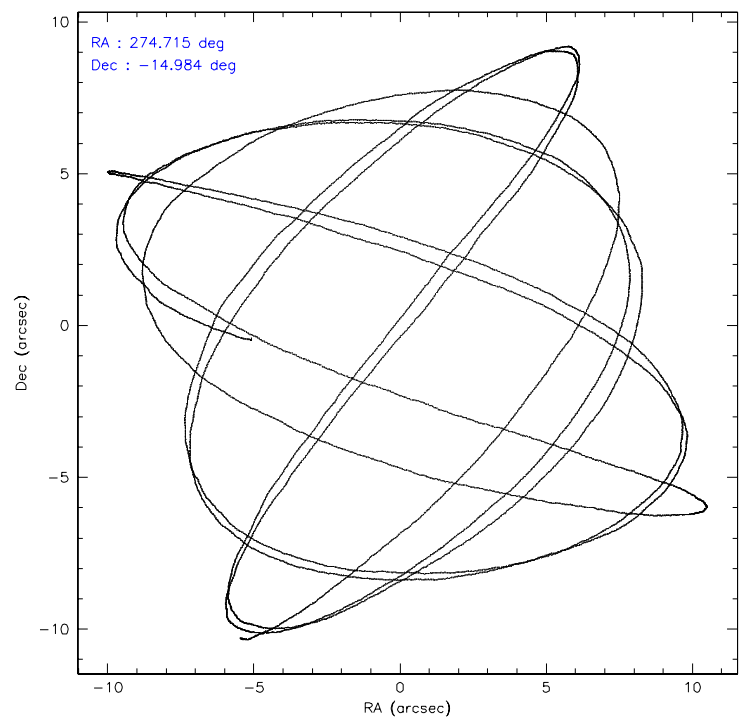
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	33921	27694	34766	27849	33718	33096
rejected events	30938	24670	18231	24817	16584	27427
rejected %	91%	89%	52%	89%	49%	82%

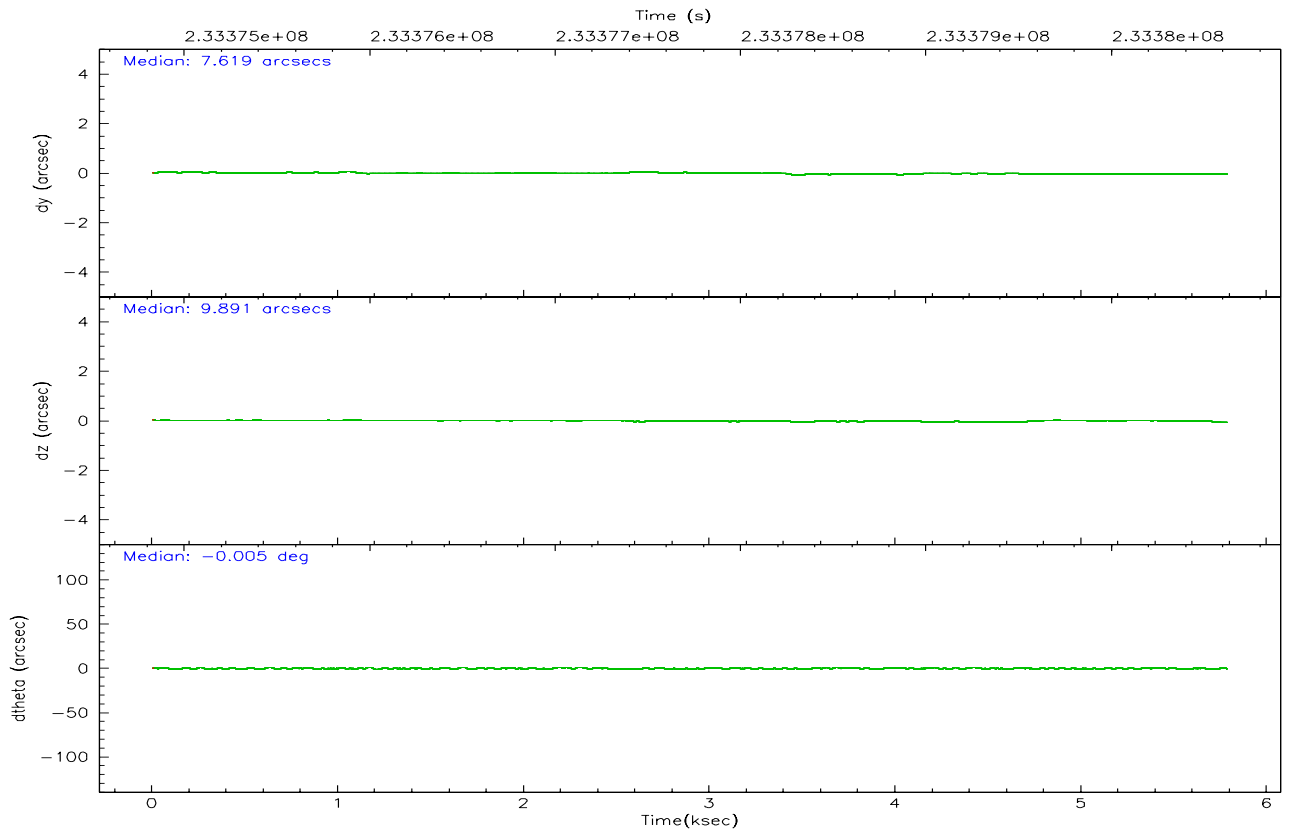
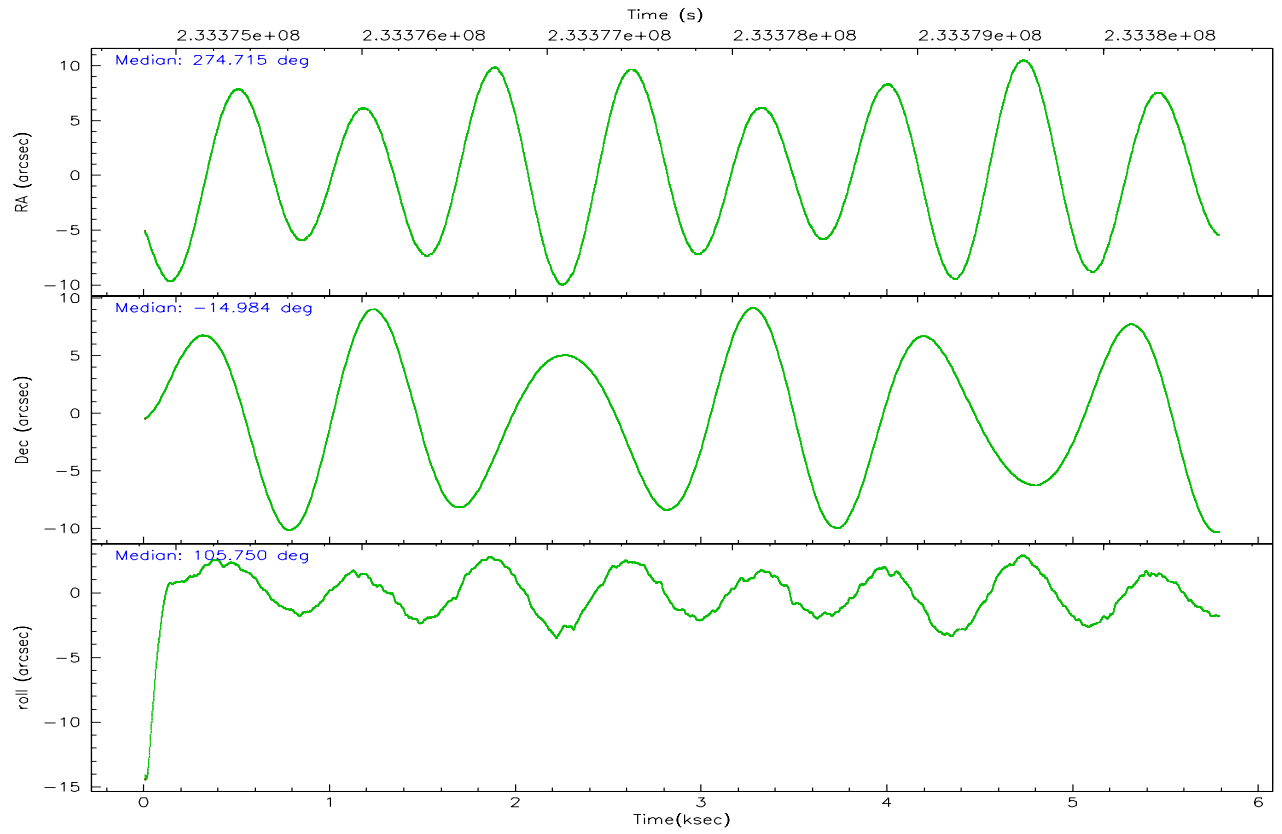
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1348	1368	460	1186	1608	1592
	3%	4%	1%	4%	4%	4%
grade 1 events	17	18	6	16	17	14
	0%	0%	0%	0%	0%	0%
grade 2 events	588	620	5164	610	4382	1108
	1%	2%	14%	2%	12%	3%
grade 3 events	281	264	305	289	1079	533
	0%	0%	0%	1%	3%	1%
grade 4 events	261	278	282	326	1051	501
	0%	1%	0%	1%	3%	1%
grade 5 events	883	1091	1838	1096	2345	1502
	2%	3%	5%	3%	6%	4%
grade 6 events	511	501	10339	624	9038	1938
	1%	1%	29%	2%	26%	5%
grade 7 events	30032	23554	16372	23702	14198	25908
	88%	85%	47%	85%	42%	78%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	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	NONE	NONE
Pointing RA	274.735477	274.7149367001132	Alternating exposures requested	N	N
Pointing Dec	-15.002863	-14.98410883103765	Primary exposure time	0.000000	3.2
Pointing Roll	105.603030	105.7543347894783			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
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	233375621.184000	233374360.97641			
Observation start date	2005-05-25T02:32:37	2005-05-25T02:12:40			
Observation end time	233380621.184000	233381374.02673			
Observation end date	2005-05-25T03:55:57	2005-05-25T04:09:34			
Read mode	TIMED	TIMED			

## 2.3 Aspect





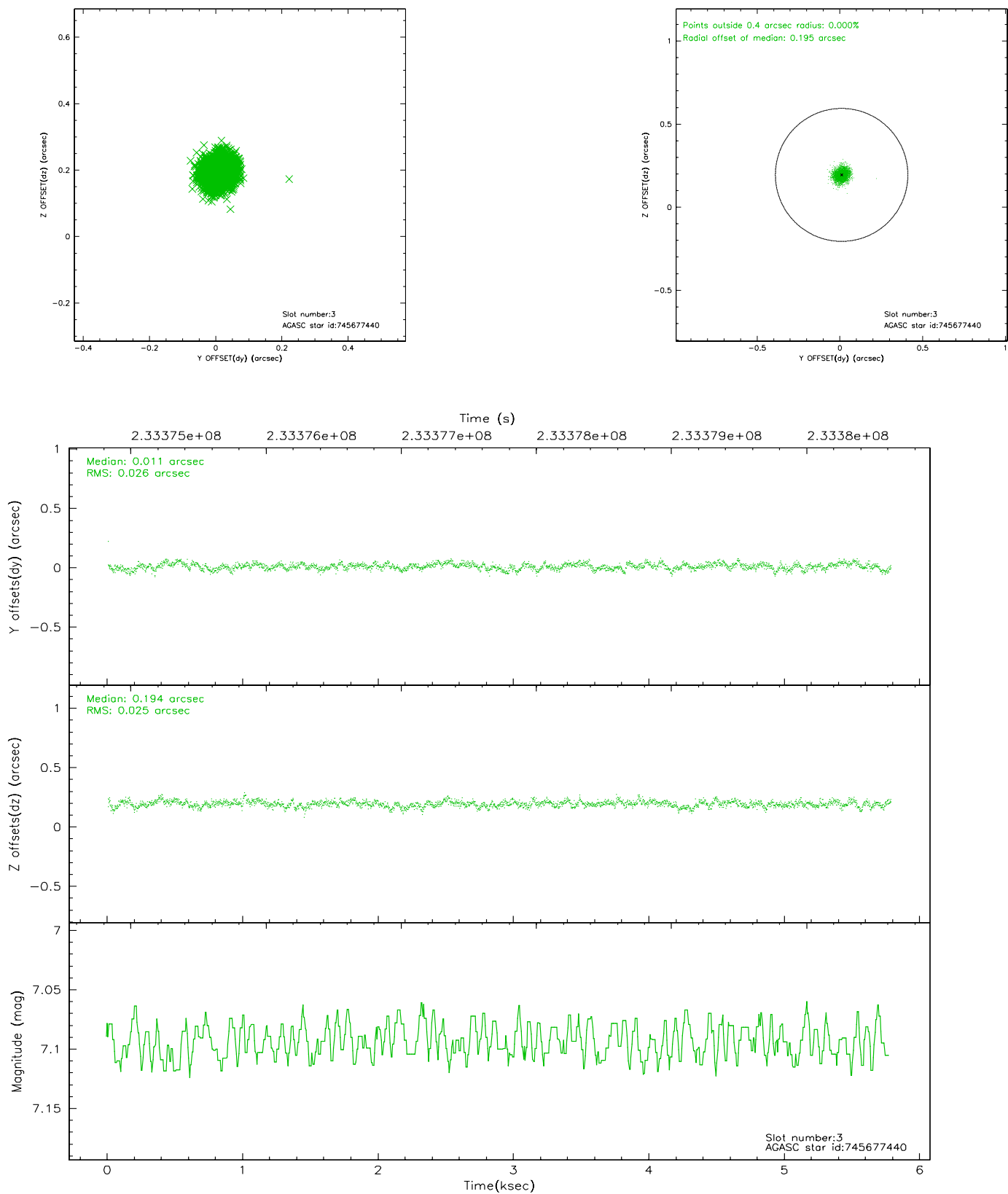
### Slot Statistics

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	1411	-0.032	-0.000	0.006	0.010	0.000000	0.000000	-760.37	-1731.15
1	FID	ACIS-S-4	7.21	1410	0.055	0.015	0.005	0.009	0.000000	0.000000	2152.48	176.35
2	FID	ACIS-S-5	7.23	1410	-0.055	-0.006	0.006	0.010	0.000000	0.000000	-1811.95	171.09
3	GUIDE	745677440	7.09	2821	0.011	0.194	0.038	0.061	275.264510	-14.978543	-412.84	-1794.61
4	GUIDE	745680576	8.68	2820	-0.041	-0.071	0.072	0.116	274.063292	-14.644899	1867.14	1908.69
5	GUIDE	821172096	7.76	2821	0.050	0.136	0.053	0.082	275.077024	-15.219483	-1070.42	-932.11
6	GUIDE	821179256	7.41	2821	0.188	-0.006	0.048	0.074	274.840900	-15.612800	-2213.56	237.97
7	GUIDE	745679408	7.63	2820	-0.210	-0.254	0.056	0.085	274.073517	-14.949069	801.27	2166.19

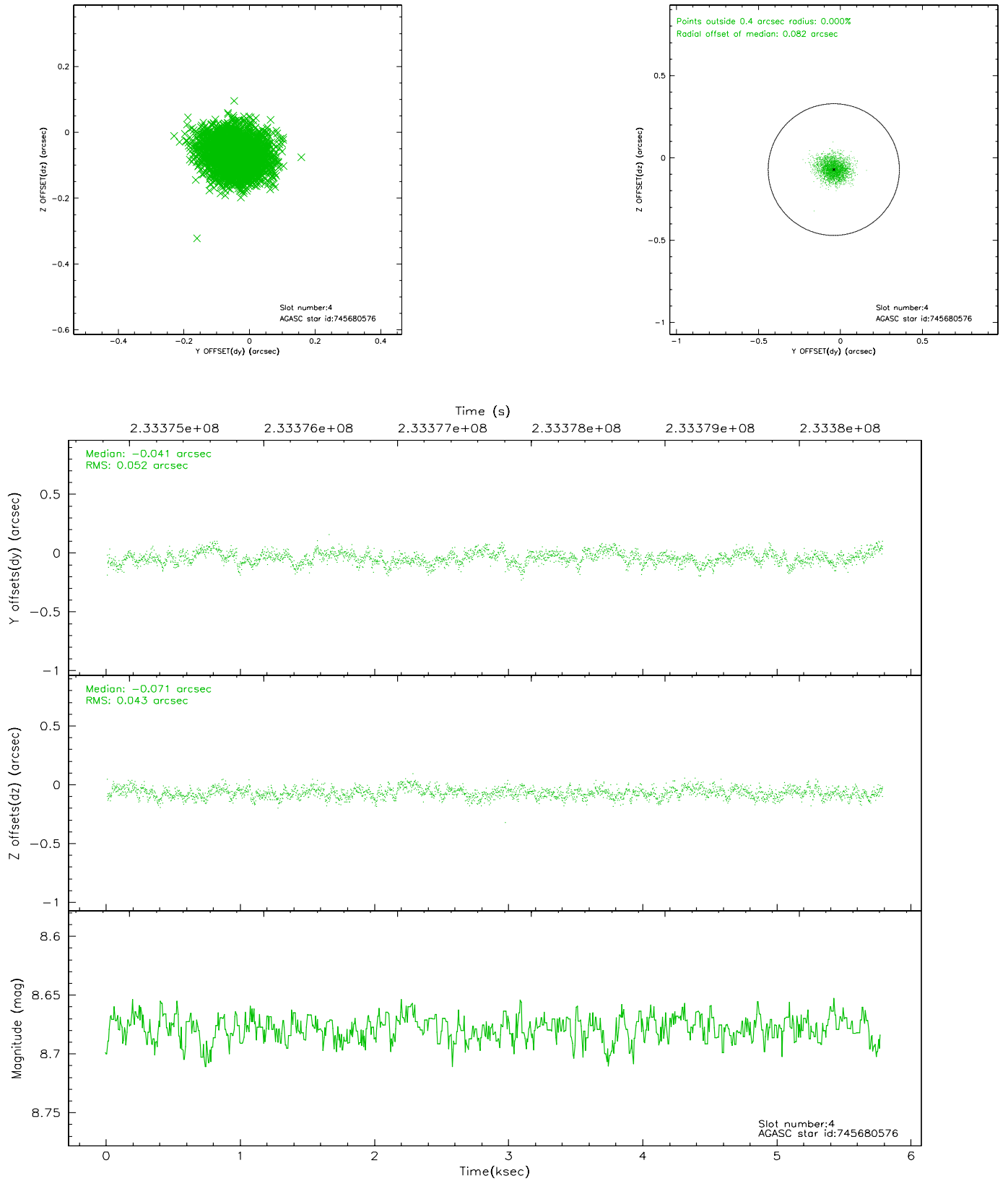


## 2.4 Star Slots

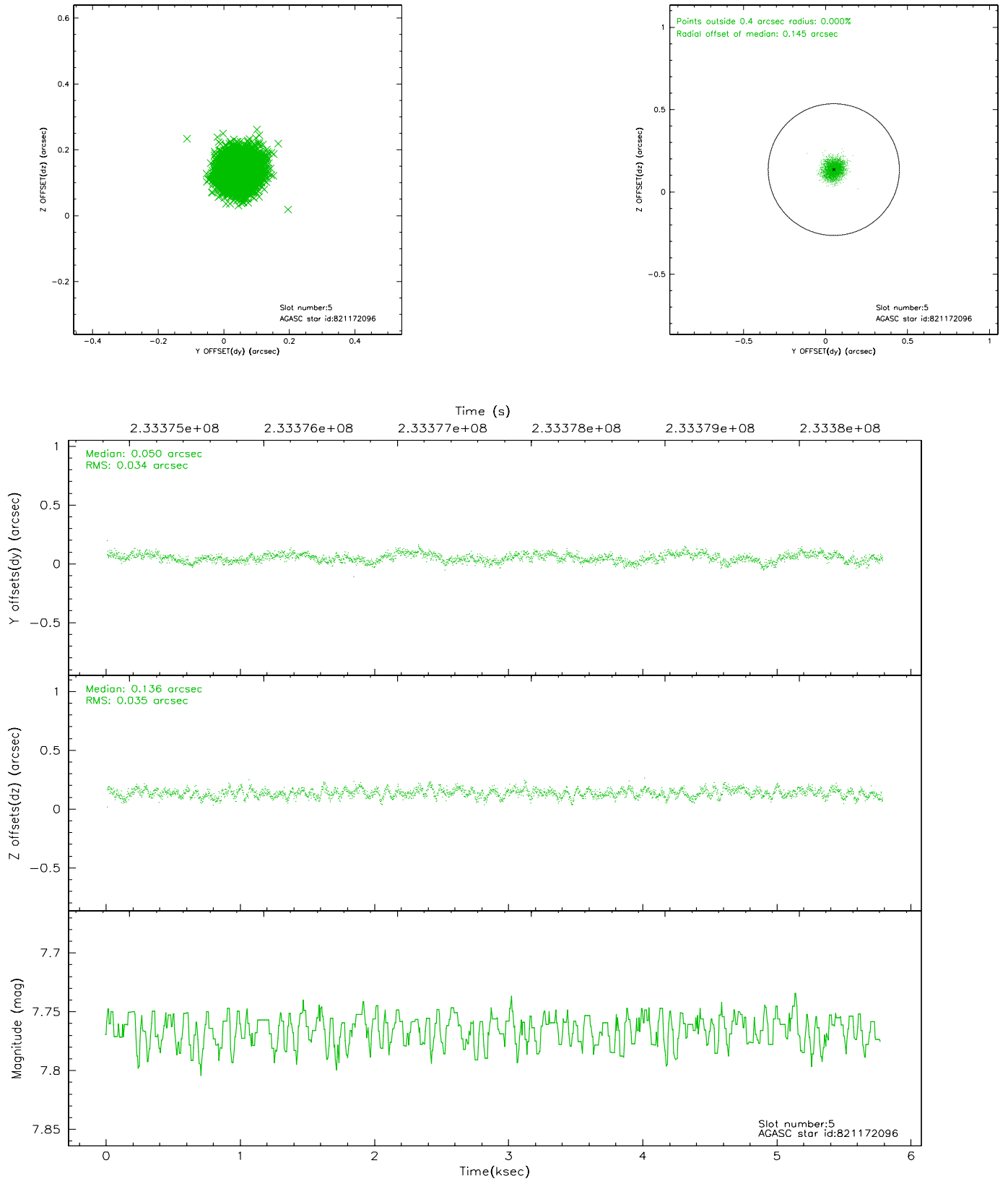
### 2.4.1 Slot 3



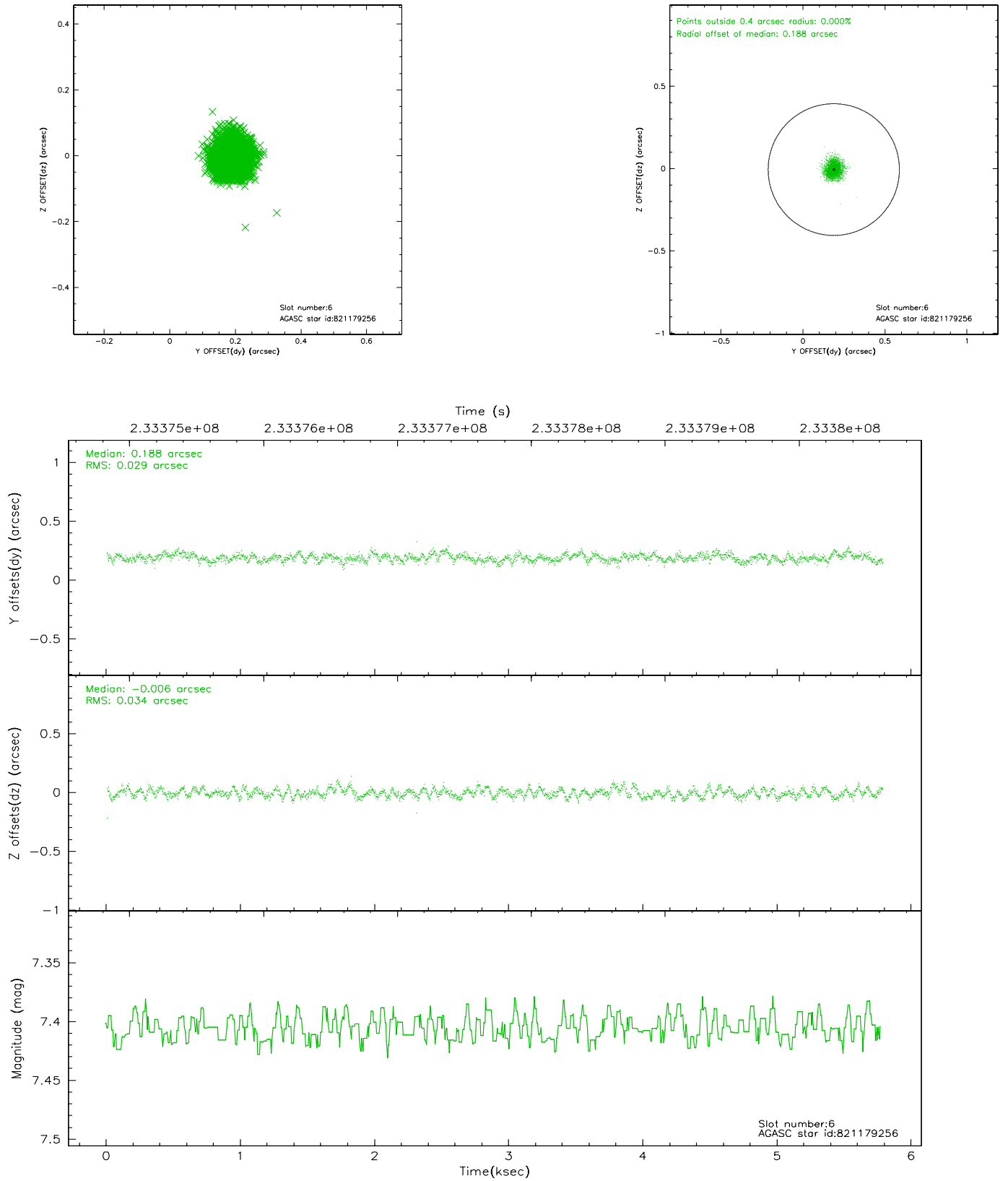
## 2.4.2 Slot 4



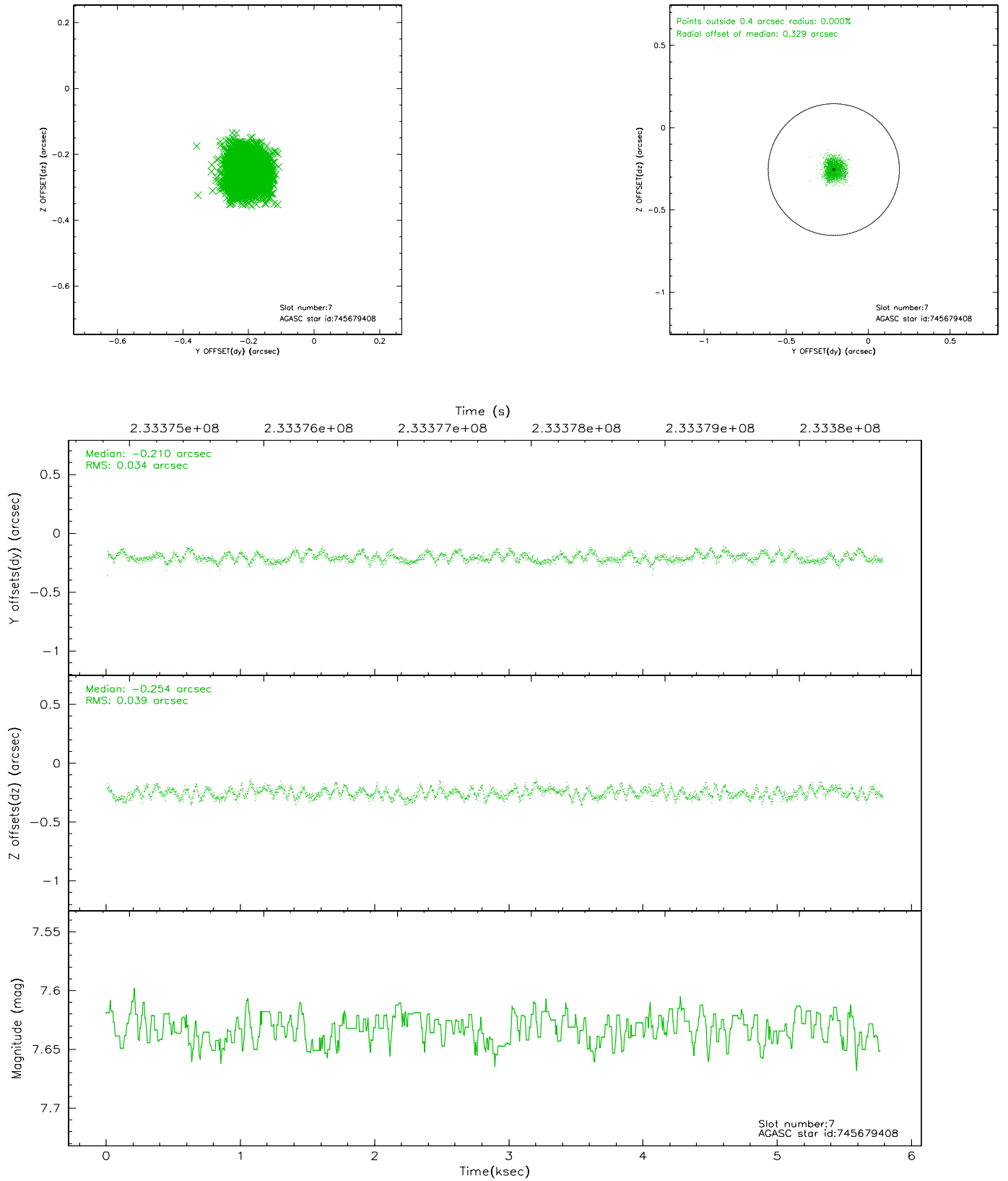
### 2.4.3 Slot 5



## 2.4.4 Slot 6

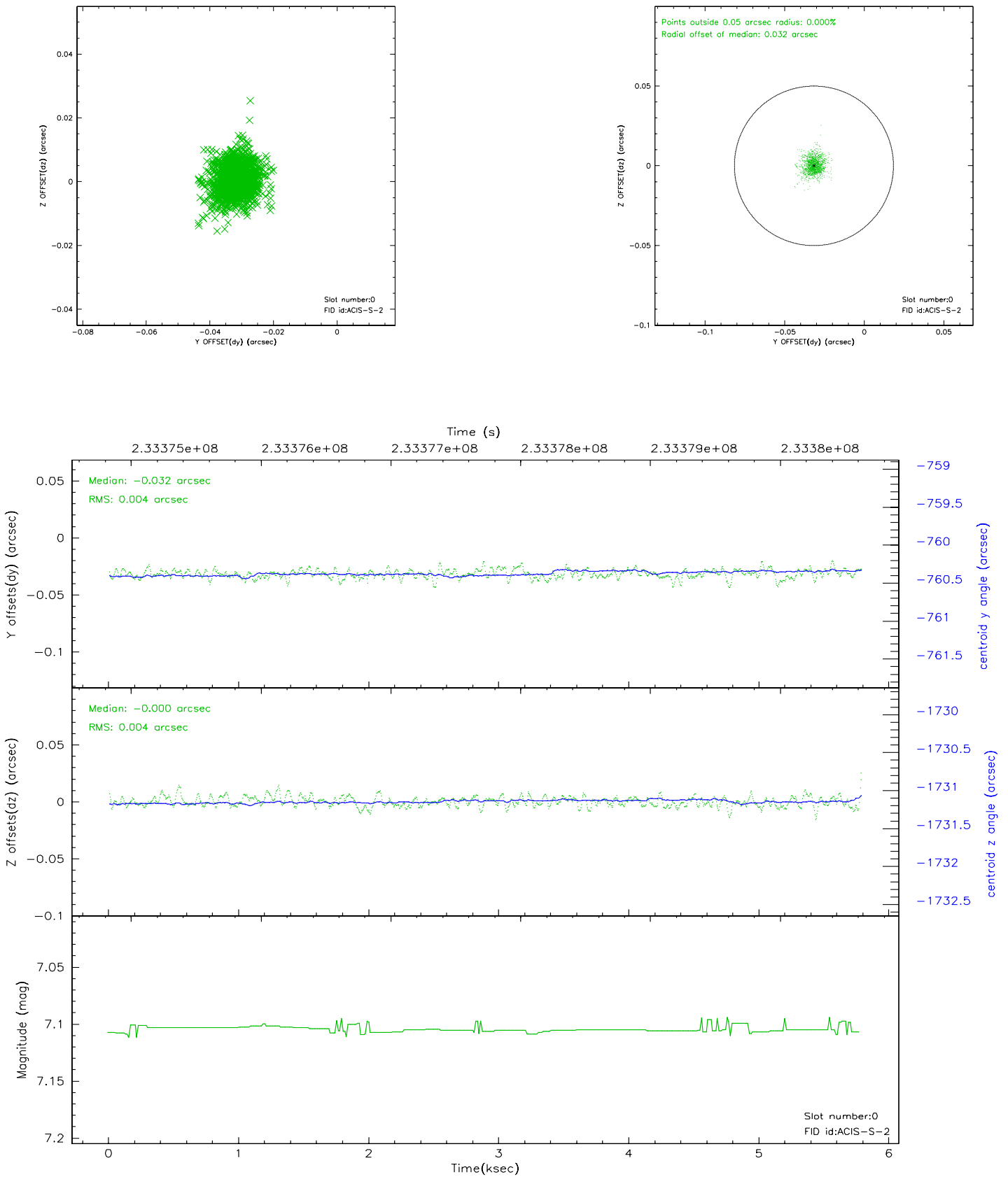


## 2.4.5 Slot 7

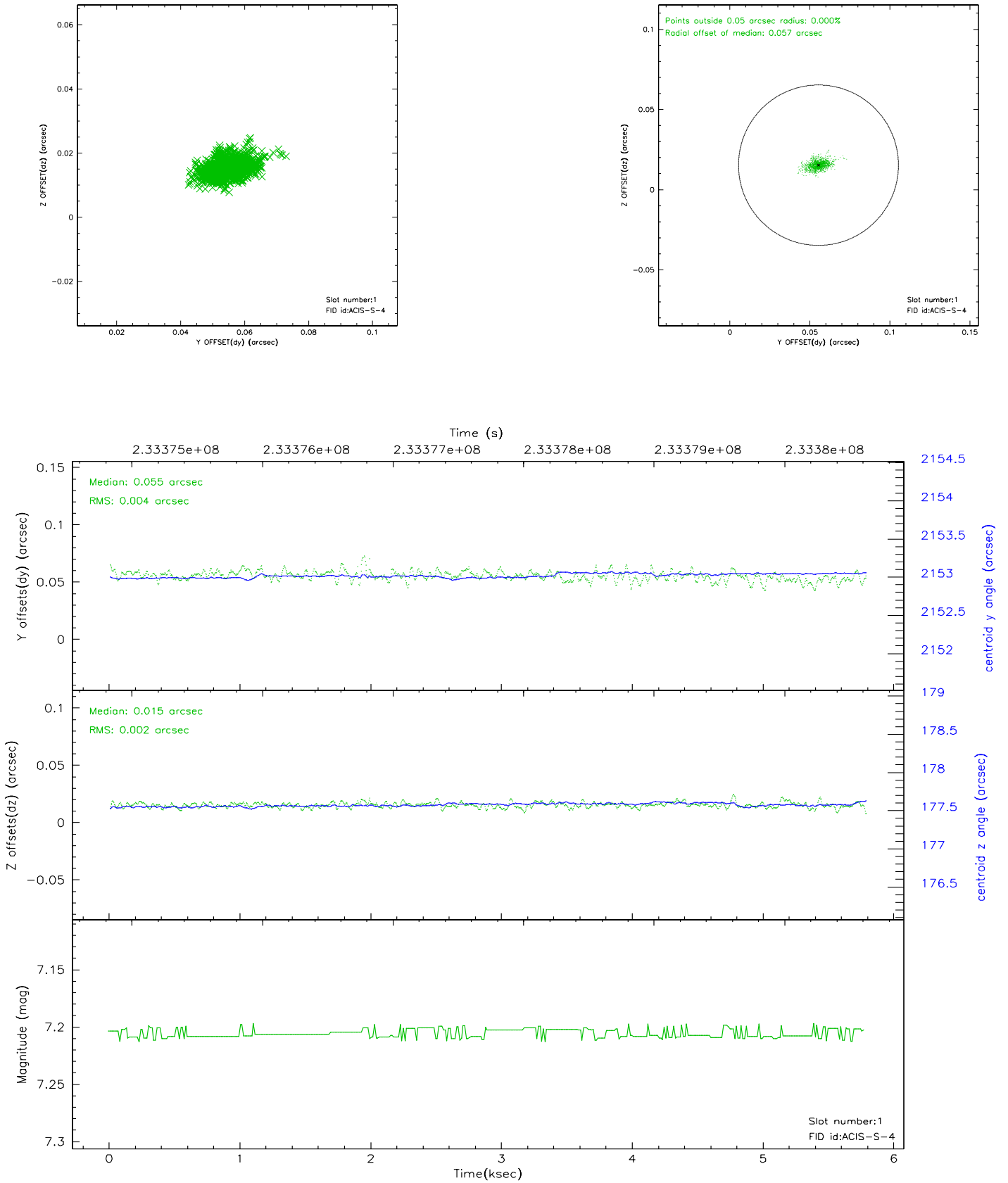


## 2.5 FID Slots

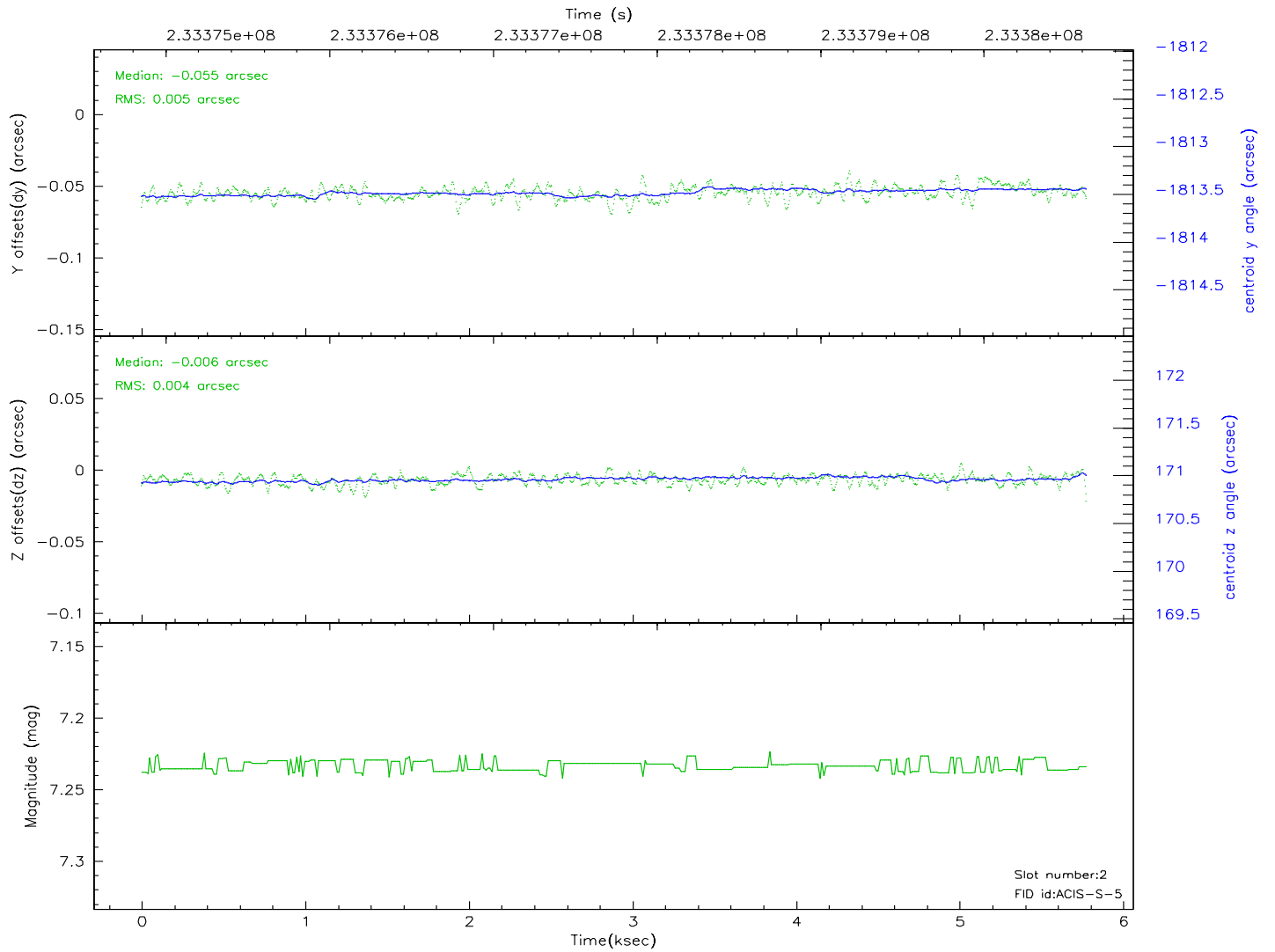
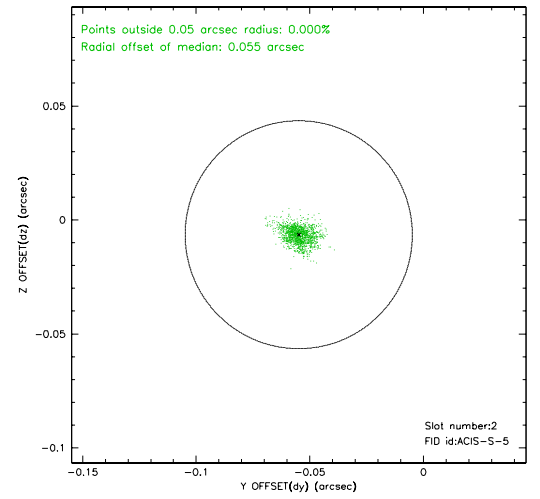
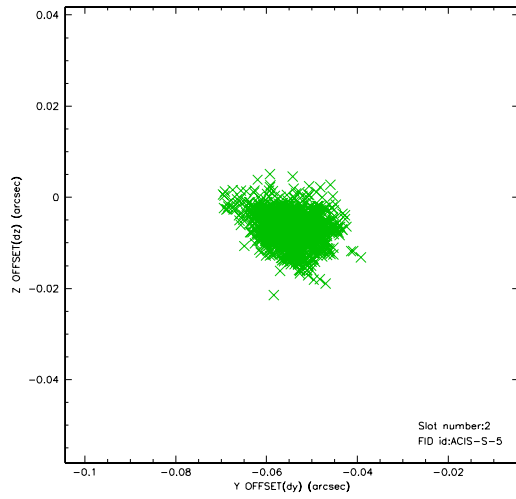
### 2.5.1 Slot 0



## 2.5.2 Slot 1

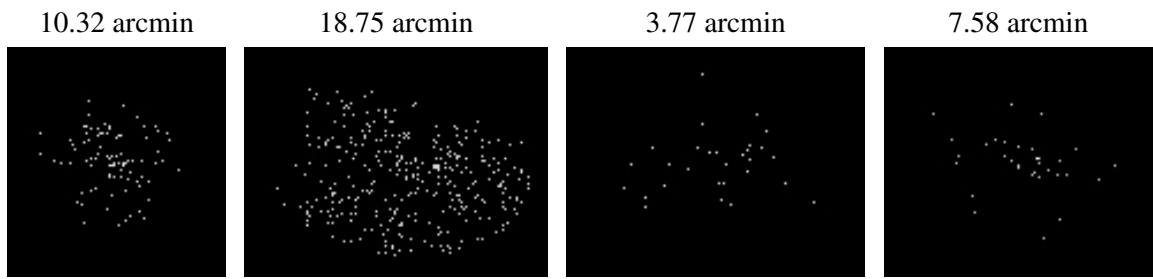


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.956799

### A.2 Comments