

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 5187 - L2 Version 001  
Chandra X-Ray Center

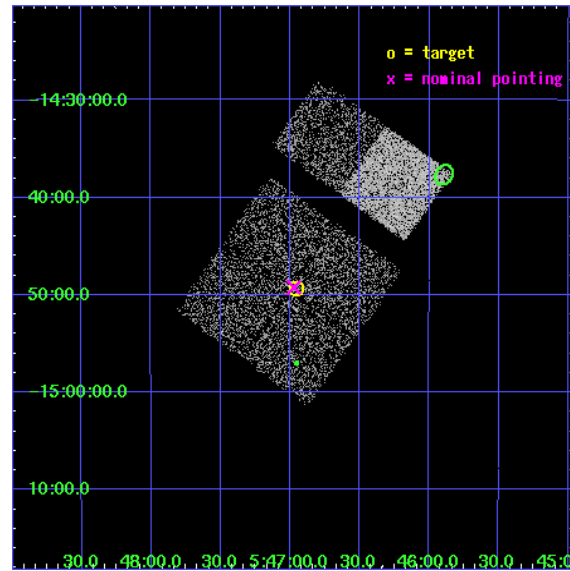
L2 Processing Date : Jun 26 2006

## 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

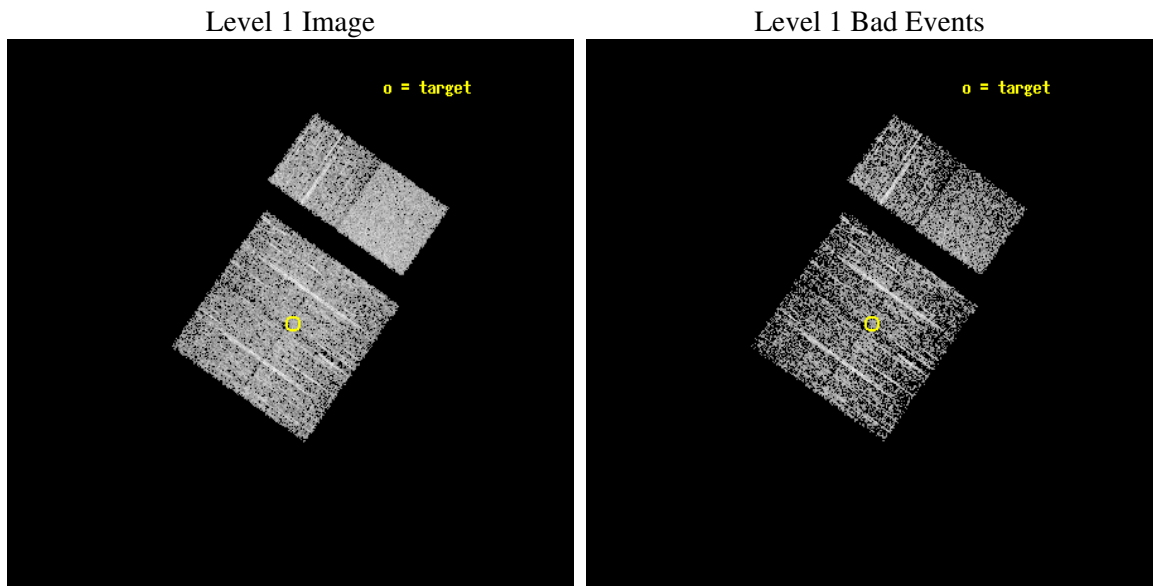
seq_num	200295
obs_id	5187
title	Search for beta Pic analogs
observer	Professor Gordon Garmire
object	zeta Lep
dtcycle	0
cycle	P
ra_targ	86.73875
dec_targ	-14.821944
ra_nom	86.743213635001
dec_nom	-14.820872793435
roll_nom	35.074428407816
revision	2
ontime	3062.3999885917
livetime	3023.6220359802
ontime0	3062.3999885917
ontime1	3062.3999885917
ontime2	3062.3999885917
ontime3	3062.3999885917
ontime6	3062.3999885917
ontime7	3062.3999885917
l2events	15667



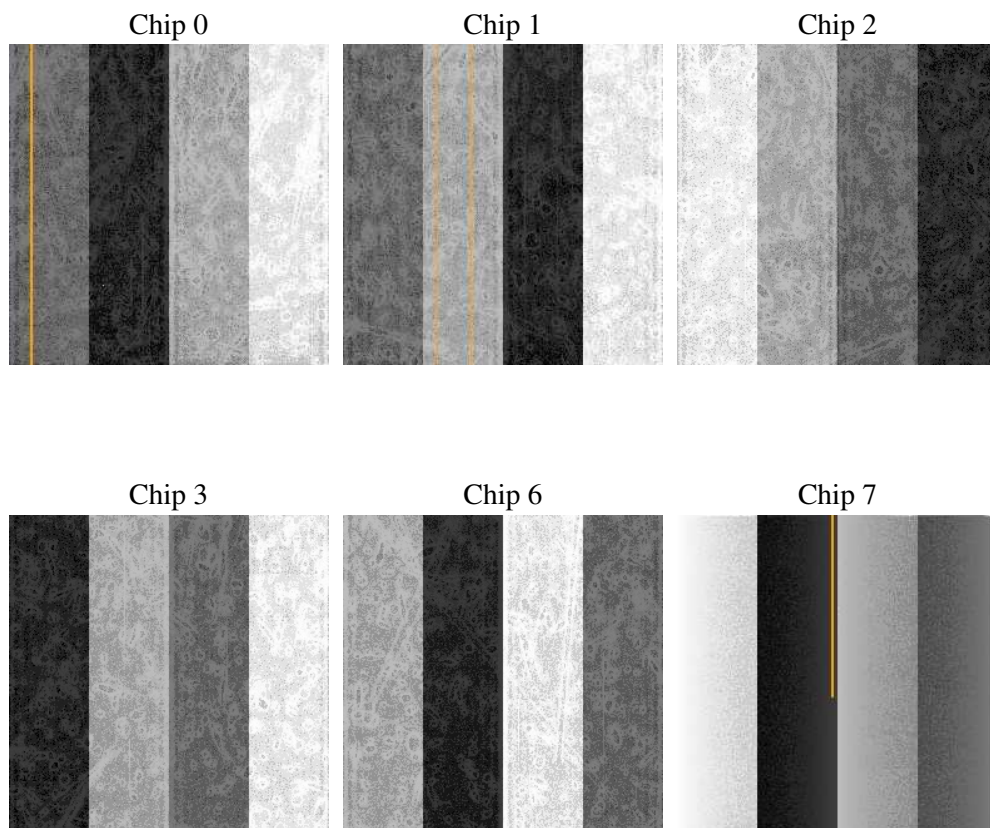
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	3
ascdsver	7.6.8
caldsver	3.2.2
date	2006-06-26T22:25:16
revision	2

sched_exp_time	2934.000000
ontime	3065.9907731116
ontime0	3065.9907731116
ontime1	3065.9907930195
ontime2	3065.9907731116
ontime3	3065.9907731116
ontime6	3065.9907930195
ontime7	3065.9907930195
l1events	93873

### 2.1.4 Events

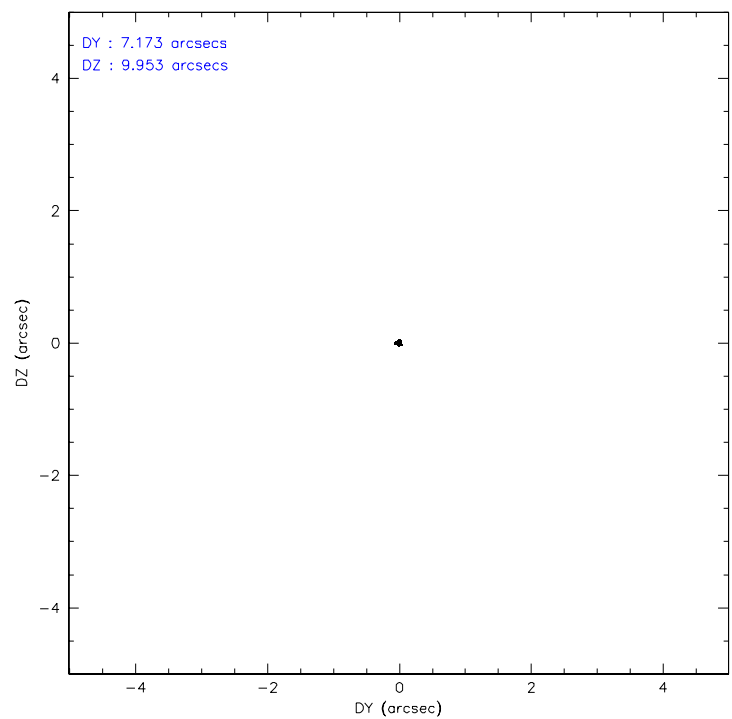
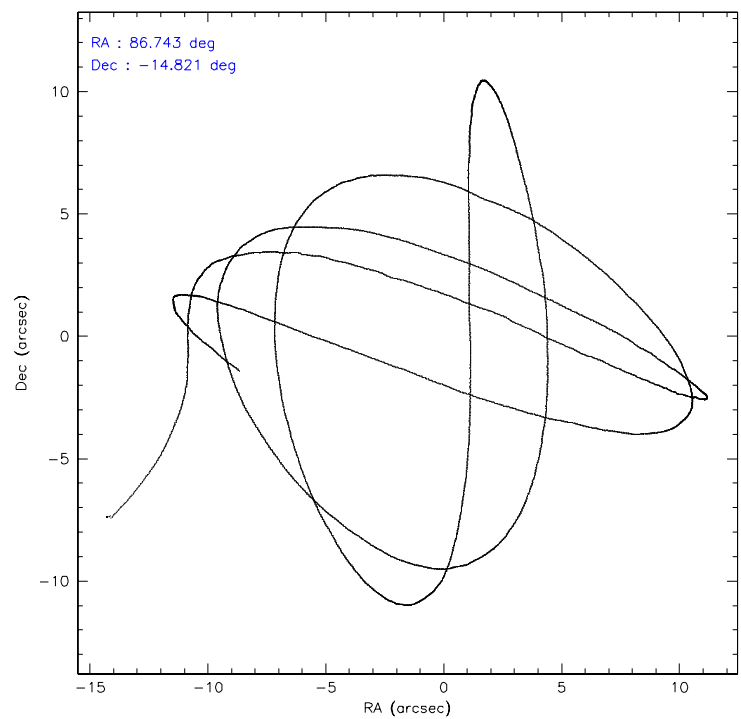
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	13020	15288	14715	14621	15480	20749
rejected events	11139	13330	12808	12803	13605	12998
rejected %	85%	87%	87%	87%	87%	62%

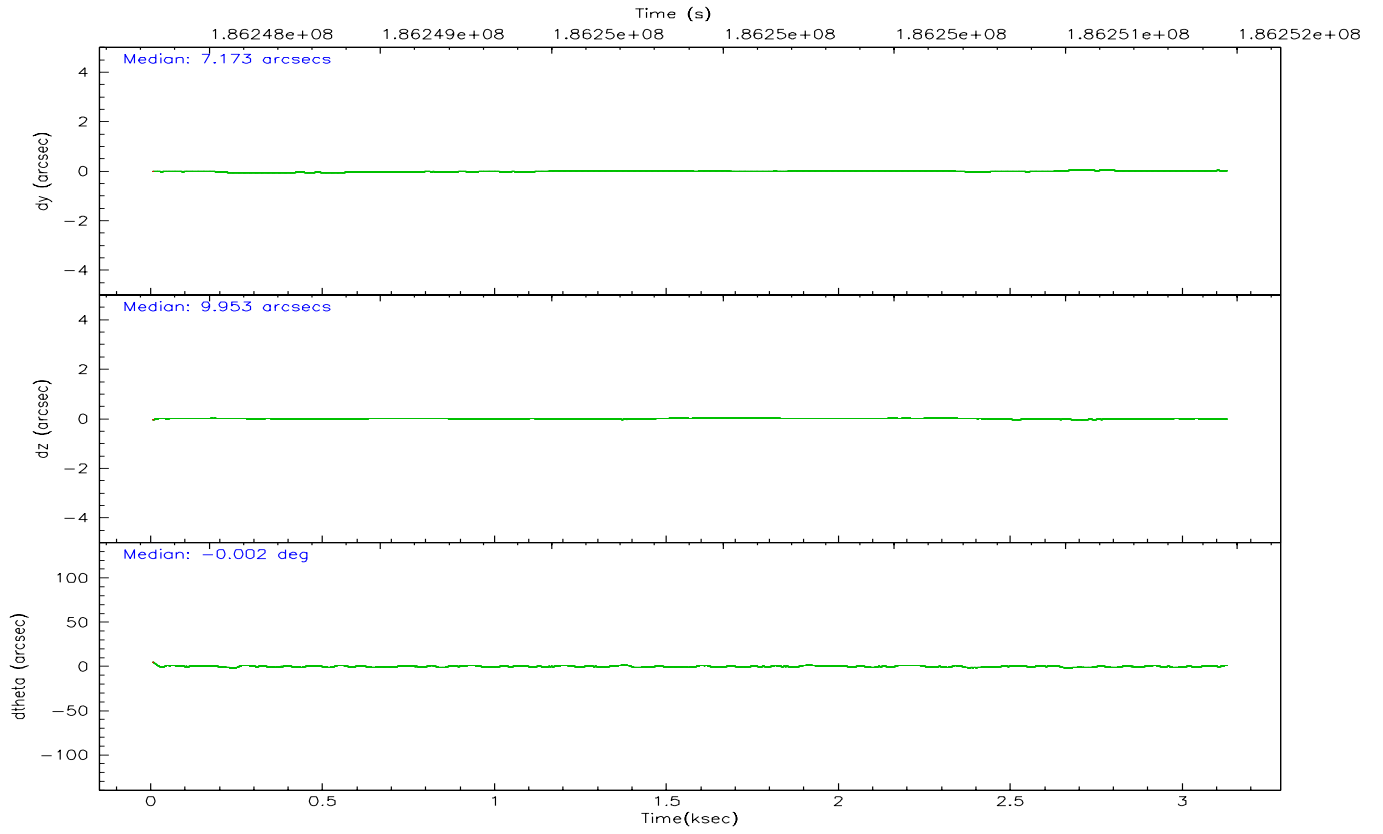
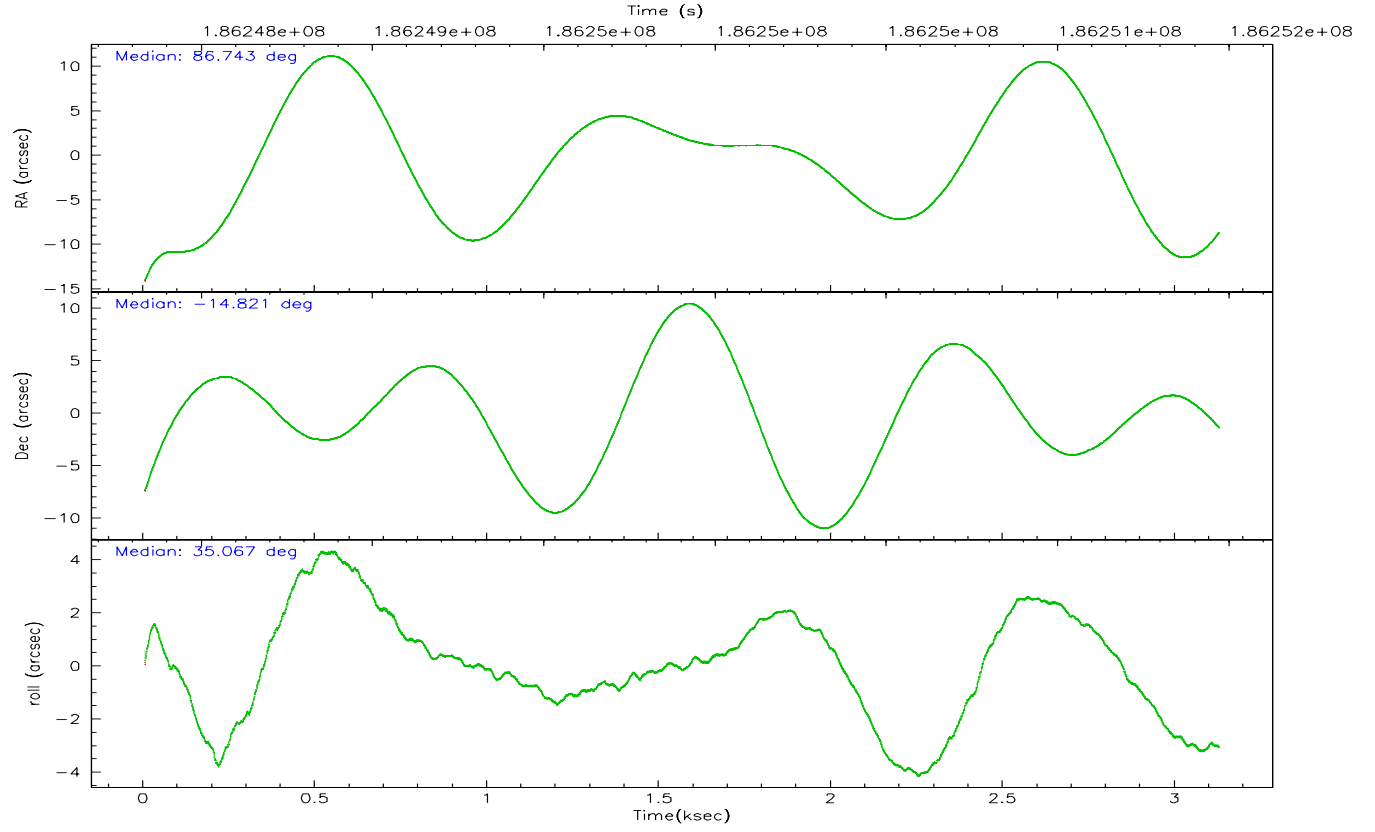
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	816	812	840	790	741	448
	6%	5%	5%	5%	4%	2%
grade 1 events	7	7	5	10	7	12
	0%	0%	0%	0%	0%	0%
grade 2 events	380	412	404	378	358	1956
	2%	2%	2%	2%	2%	9%
grade 3 events	211	176	168	162	170	385
	1%	1%	1%	1%	1%	1%
grade 4 events	160	165	191	164	178	383
	1%	1%	1%	1%	1%	1%
grade 5 events	627	683	606	702	714	1386
	4%	4%	4%	4%	4%	6%
grade 6 events	319	393	306	326	431	4586
	2%	2%	2%	2%	2%	22%
grade 7 events	10500	12640	12195	12089	12881	11593
	80%	82%	82%	82%	83%	55%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	NONE	NONE
Pointing RA	86.731607	86.74321363500088	Alternating exposures requested	N	N
Pointing Dec	-14.845849	-14.82087279343495	Primary exposure time	0.000000	3.2
Pointing Roll	34.862750	35.07442840781622			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	186248532.184000	186247491.07781			
Observation start date	2003-11-26T15:41:08	2003-11-26T15:24:51			
Observation end time	186251466.184000	186252385.45303			
Observation end date	2003-11-26T16:30:02	2003-11-26T16:46:25			
Read mode	TIMED	TIMED			

## 2.3 Aspect





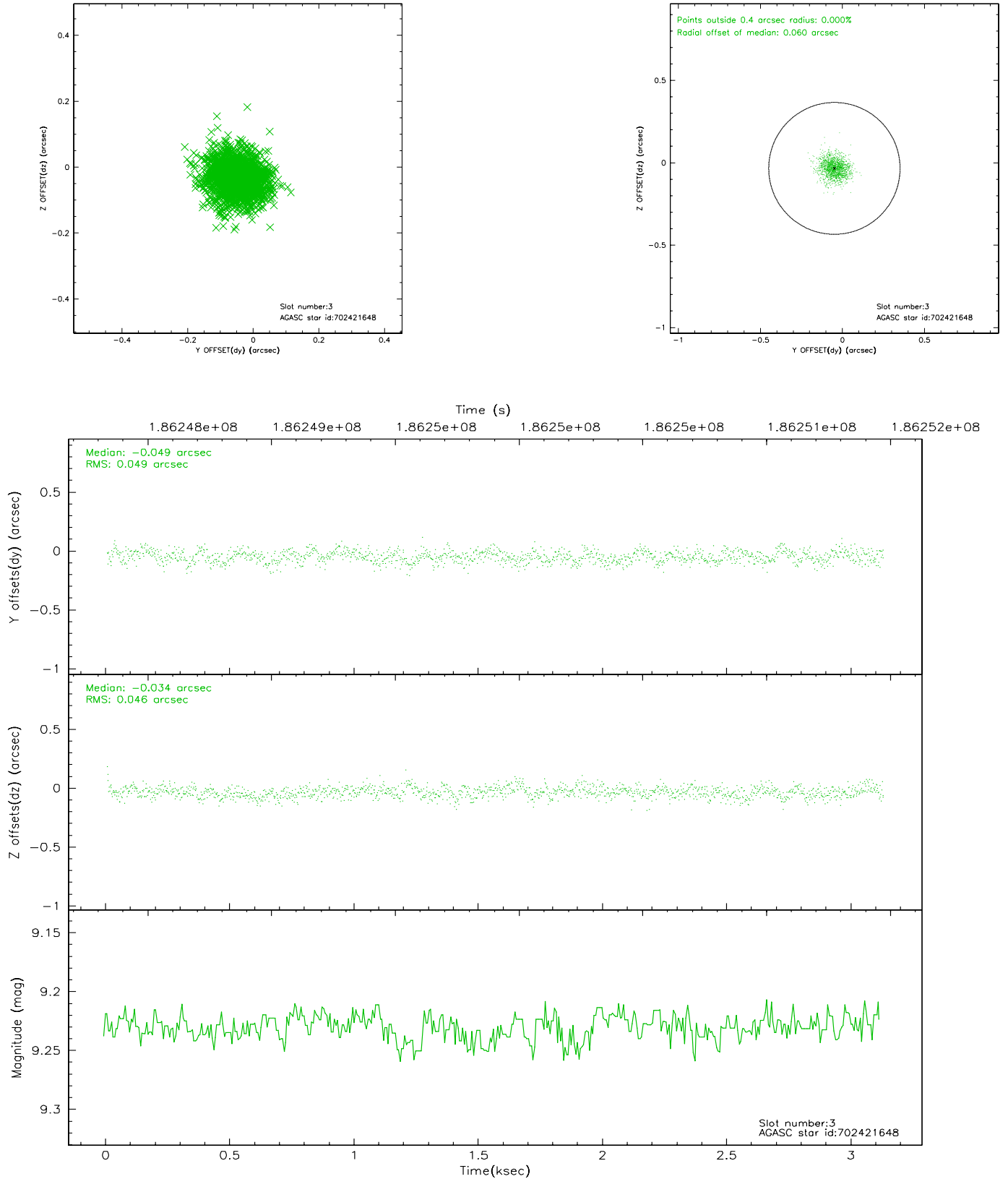
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	763	-0.065	0.090	0.008	0.012	0.000000	0.000000	932.45	-833.33
1	FID	ACIS-I-2	7.13	763	-0.044	-0.052	0.007	0.012	0.000000	0.000000	-760.48	-840.93
2	FID	ACIS-I-6	7.25	763	0.017	0.029	0.006	0.011	0.000000	0.000000	397.23	1707.40
3	GUIDE	702421648	9.23	1525	-0.049	-0.034	0.072	0.115	86.916928	-14.428912	1388.36	861.58
4	GUIDE	775692104	8.03	1525	0.036	0.210	0.052	0.084	86.255974	-15.240918	-2168.08	-224.14
5	GUIDE	775693848	7.75	1525	0.081	-0.033	0.063	0.100	86.864143	-15.252214	-459.13	-1464.33
6	GUIDE	775697728	8.71	1525	-0.010	0.062	0.081	0.129	86.844598	-15.451562	-924.24	-2014.97
7	GUIDE	702289840	8.05	1523	-0.055	-0.207	0.081	0.129	86.027432	-14.511852	-1329.01	2384.07

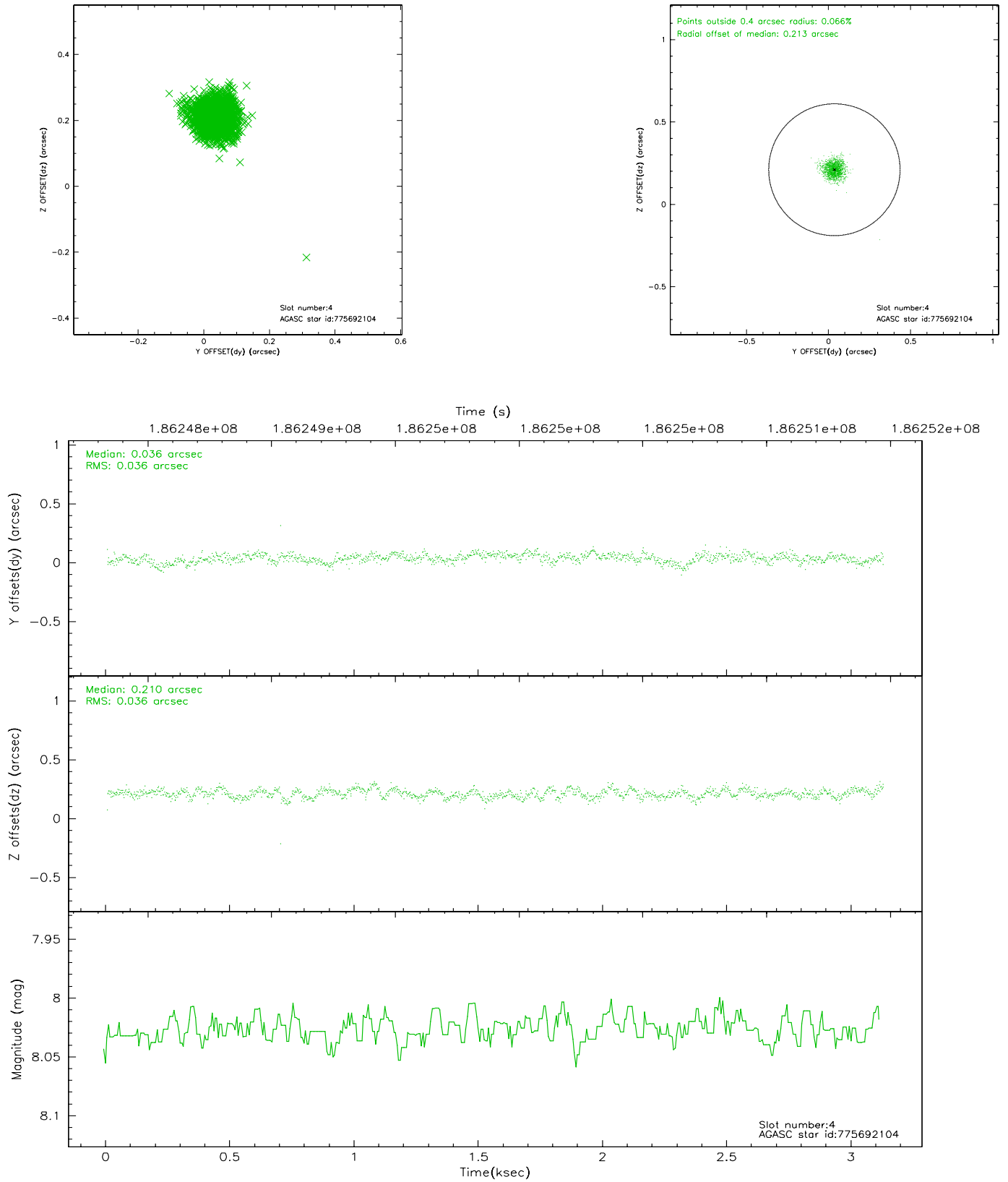


## 2.4 Star Slots

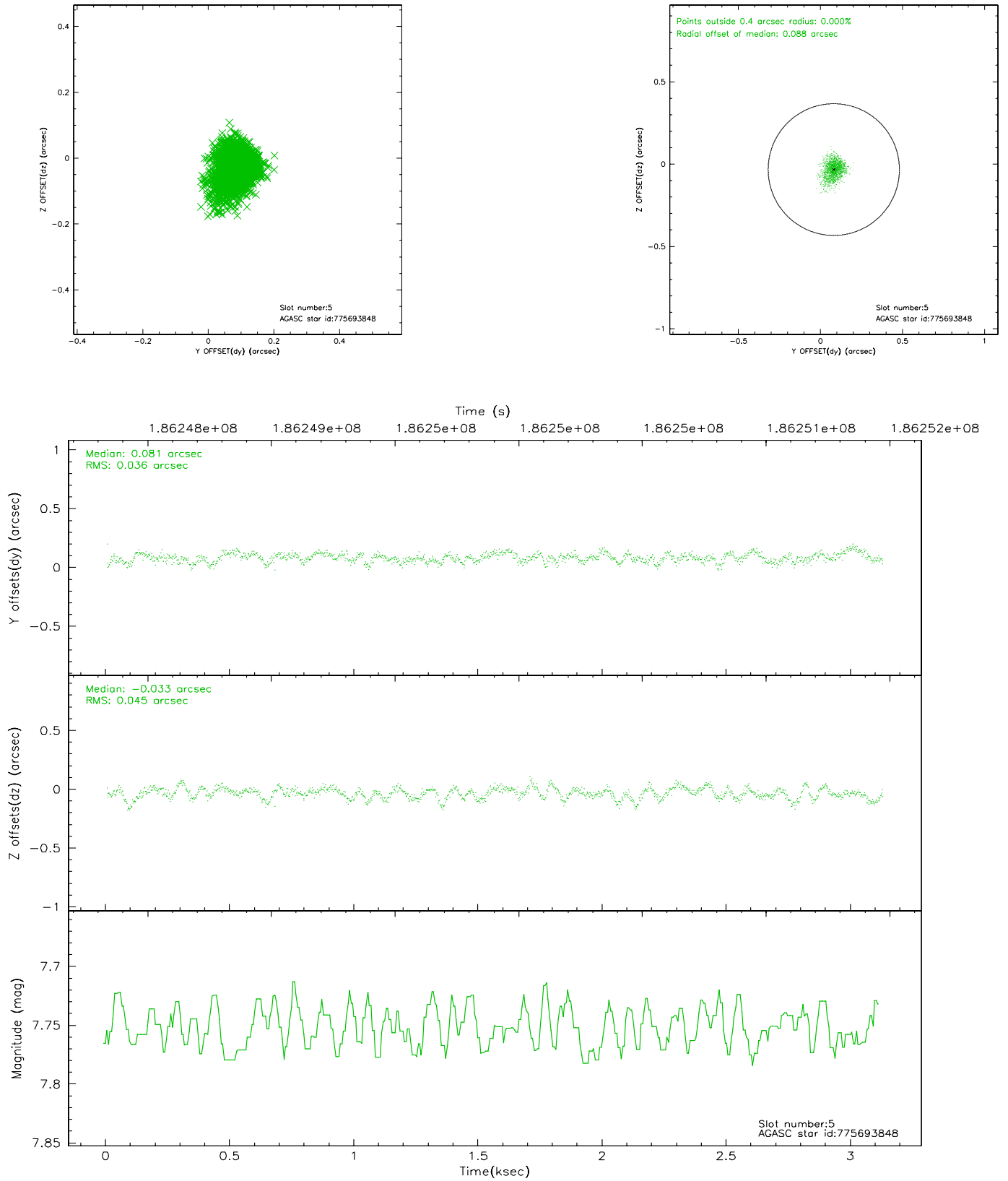
### 2.4.1 Slot 3



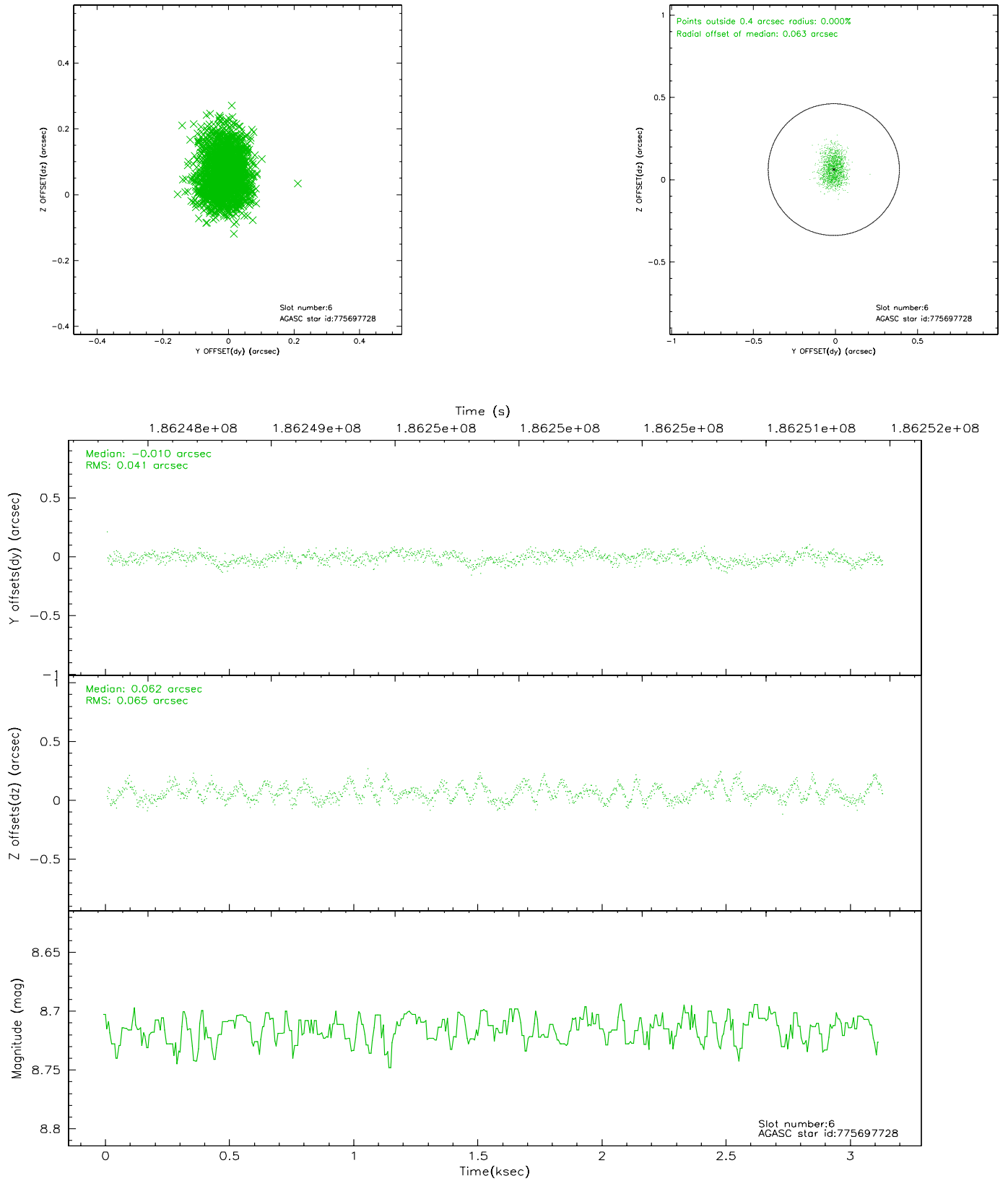
## 2.4.2 Slot 4



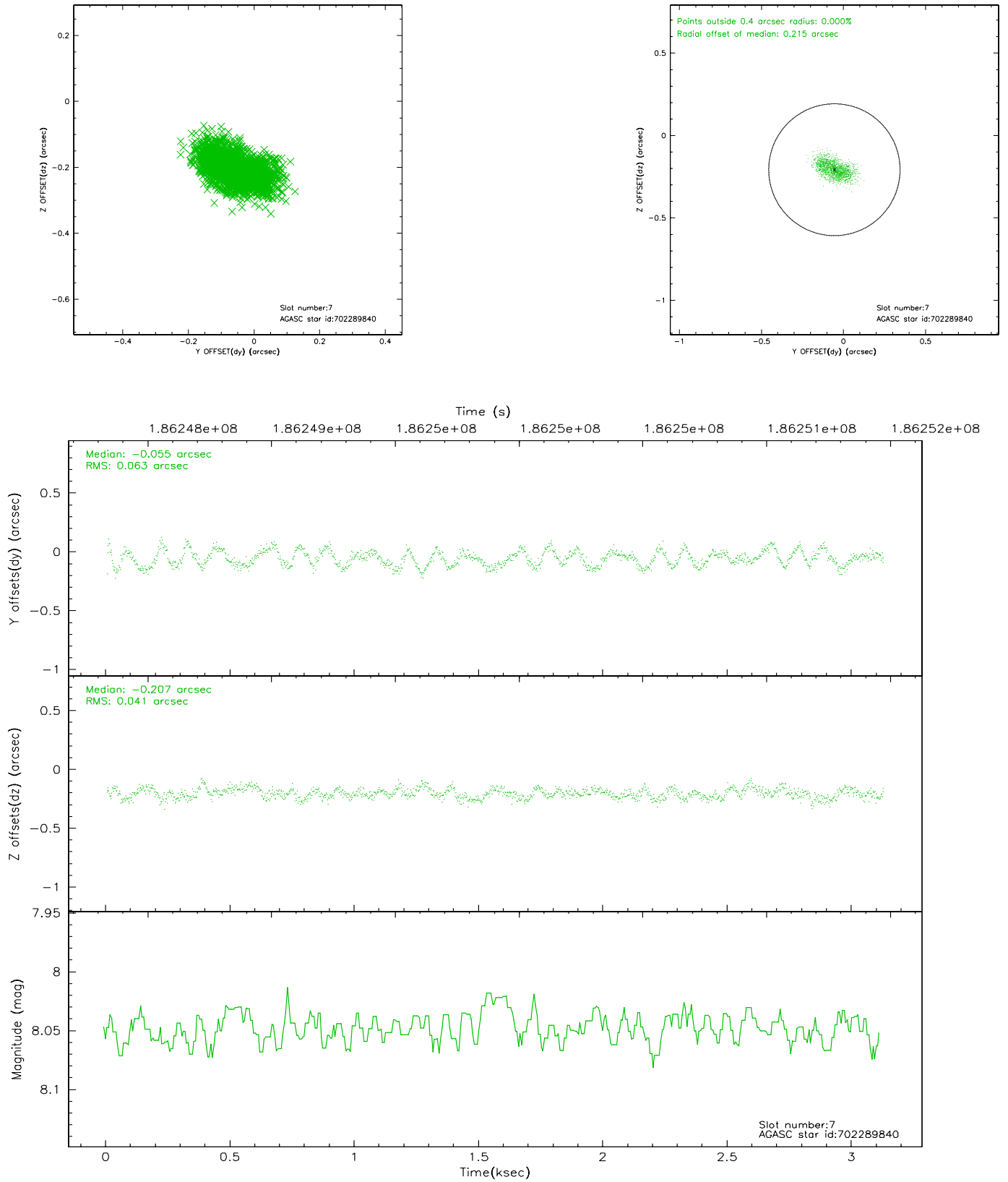
### 2.4.3 Slot 5



## 2.4.4 Slot 6

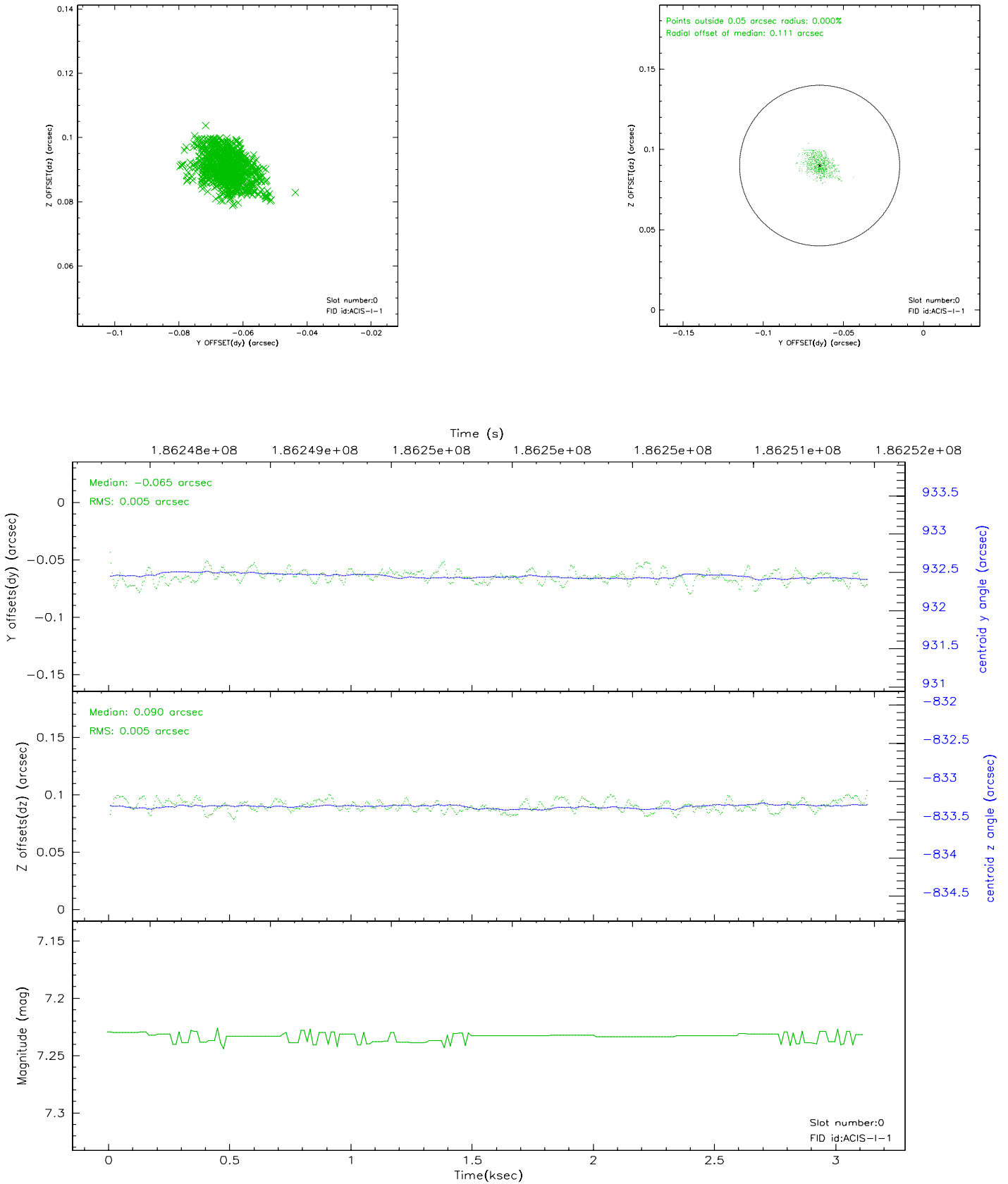


## 2.4.5 Slot 7

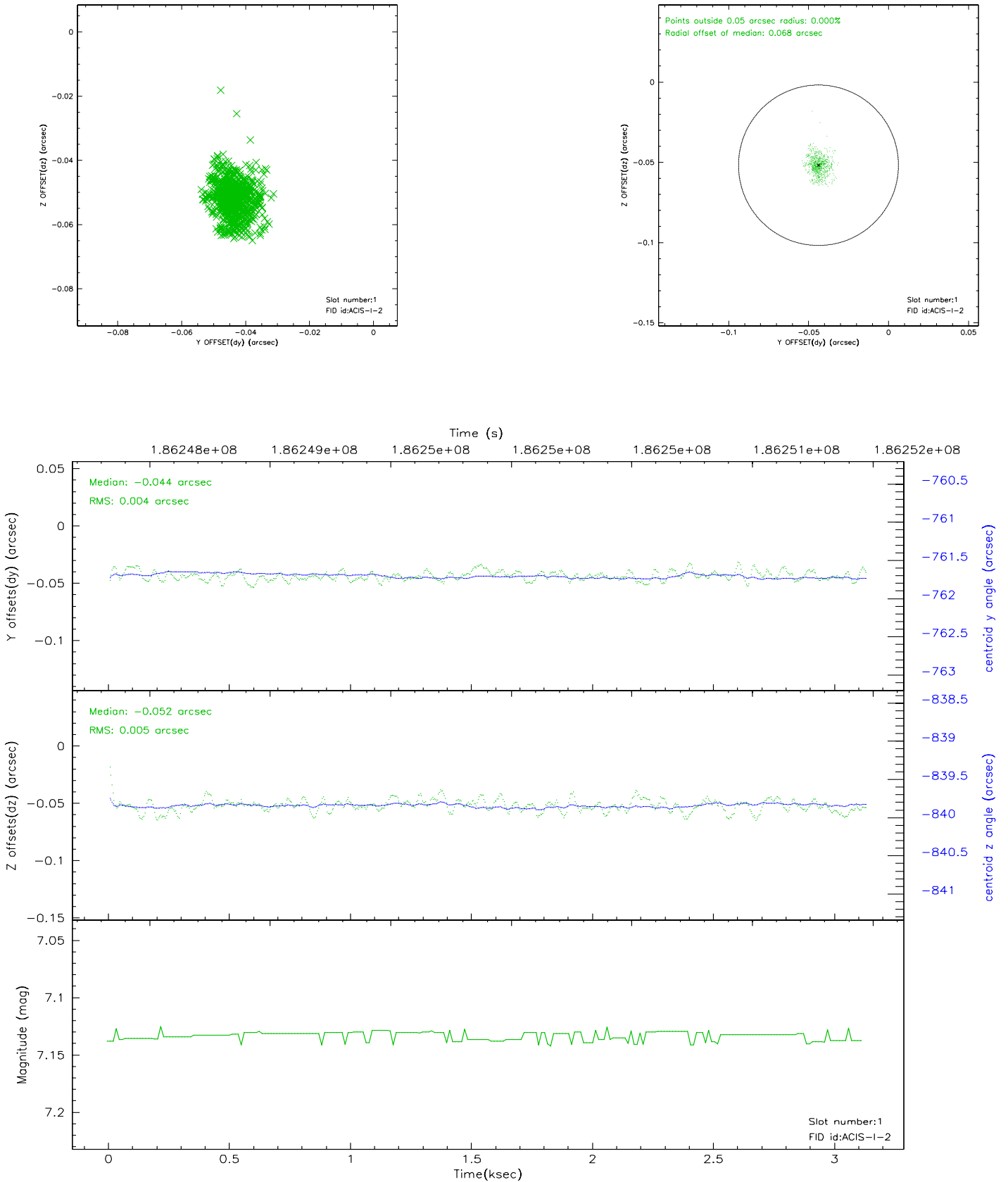


## 2.5 FID Slots

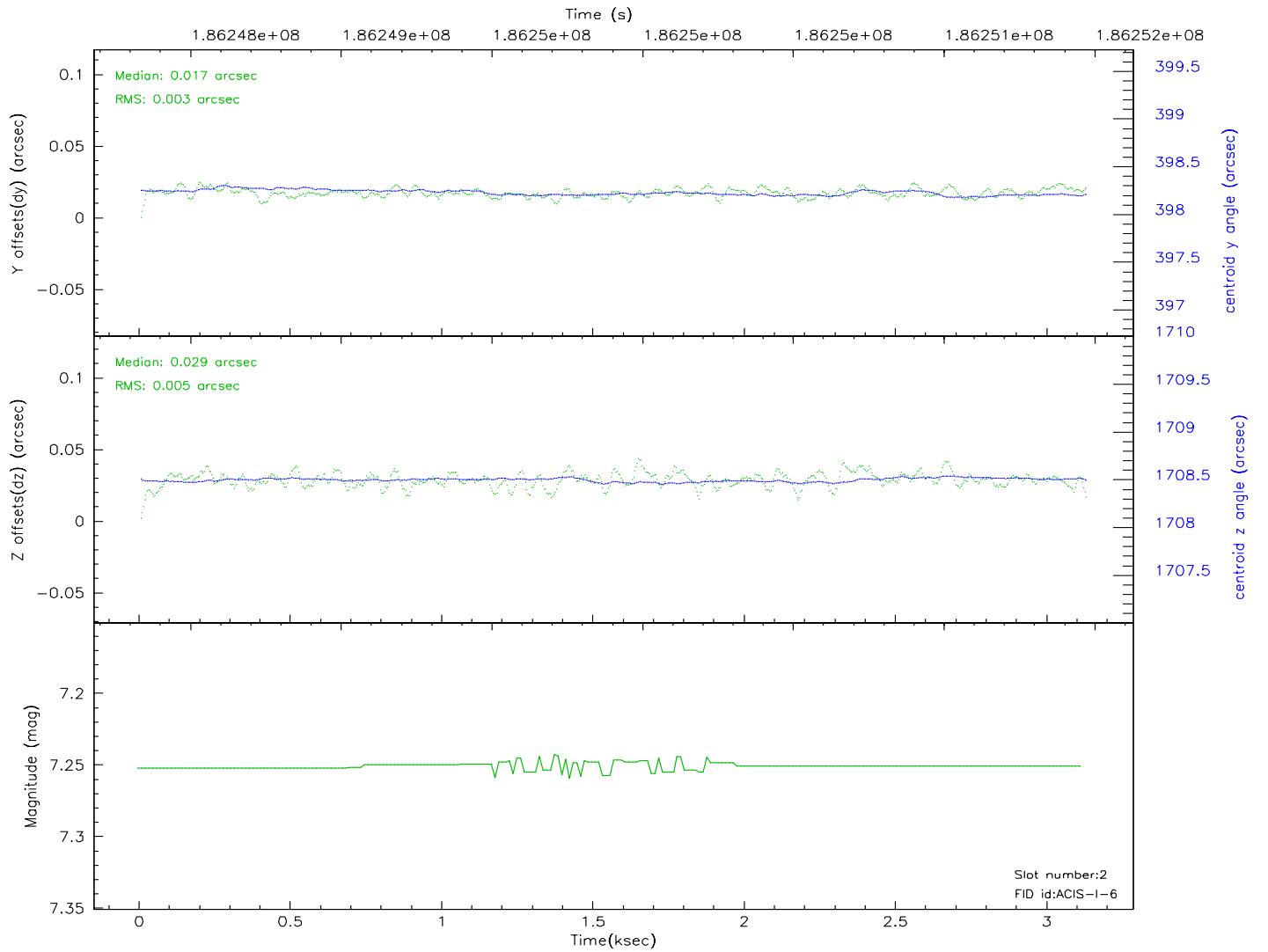
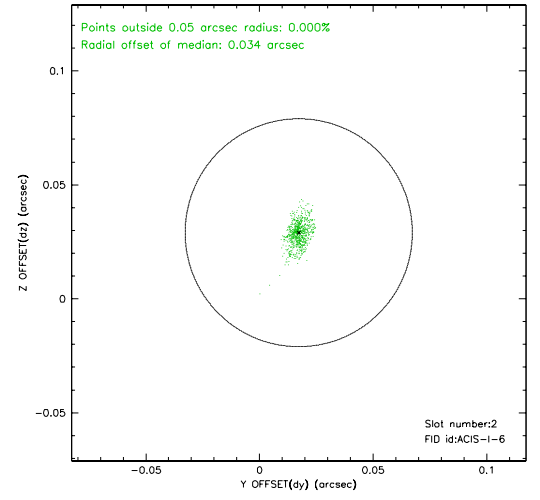
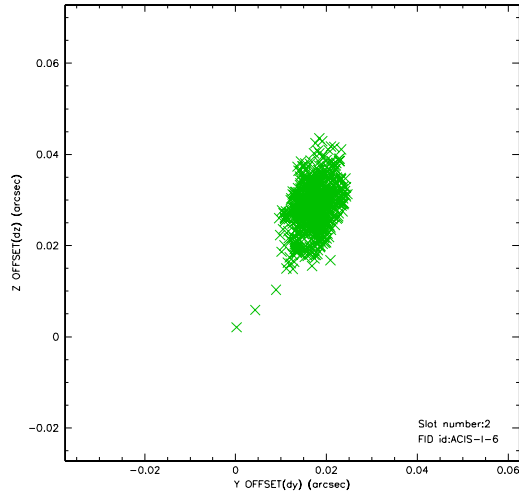
### 2.5.1 Slot 0



## 2.5.2 Slot 1

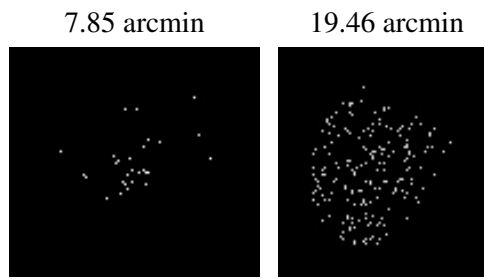


## 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.06.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.062

### A.2 Comments