

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 7063 - L2 Version 002  
Chandra X-Ray Center

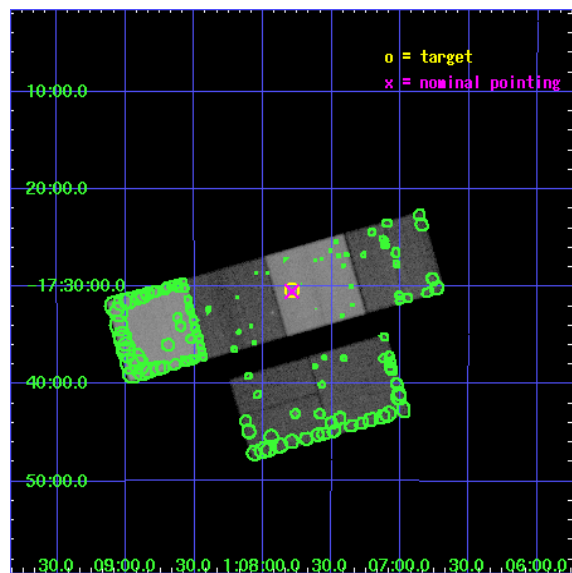
L2 Processing Date : Apr 2 2006

## 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

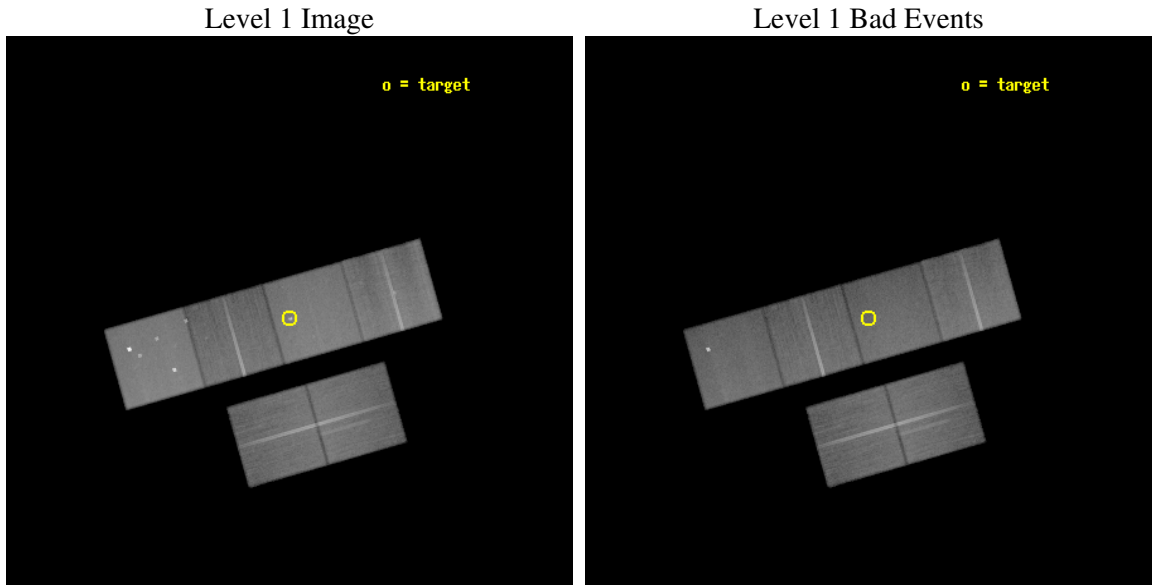
seq_num	600501
obs_id	7063
title	Feedback in VV 114: The Nearest Lyman Break Galaxy Analog
observer	Dr. Tim Heckman
object	VV 114
dtcycle	0
cycle	P
ra_targ	16.946667
dec_targ	-17.506944
ra_nom	16.947418981109
dec_nom	-17.508884120936
roll_nom	344.11216831631
revision	2
ontime	60108.799776077
livetime	59347.665960139
ontime2	60105.558765888
ontime3	60102.317864895
ontime5	60108.799776077
ontime6	60108.799776077
ontime7	60108.799776077
ontime8	60102.317934513
l2events	745400



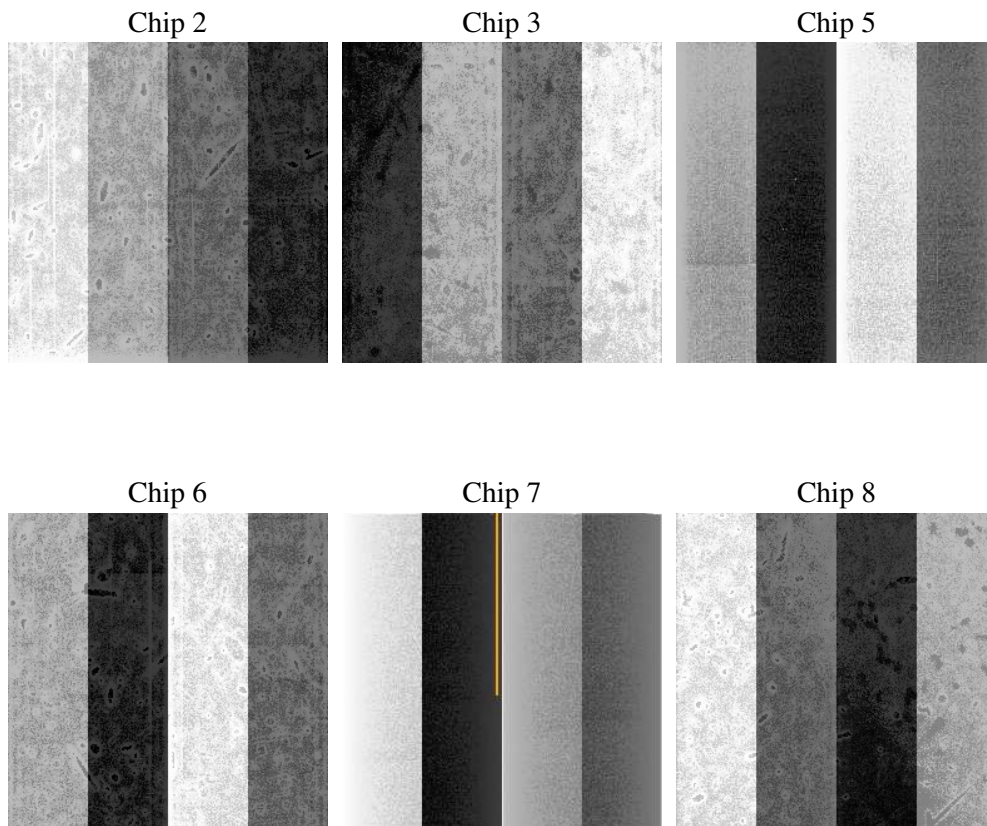
## 2 OBI

### 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	2006-04-02T13:32:04
revision	2

sched_exp_time	60000.000000
ontime	60114.368360072
ontime2	60111.127419412
ontime3	60107.88644889
ontime5	60114.368360072
ontime6	60114.368360072
ontime7	60114.368360072
ontime8	60107.886588037
l1events	3531170

### 2.1.4 Events

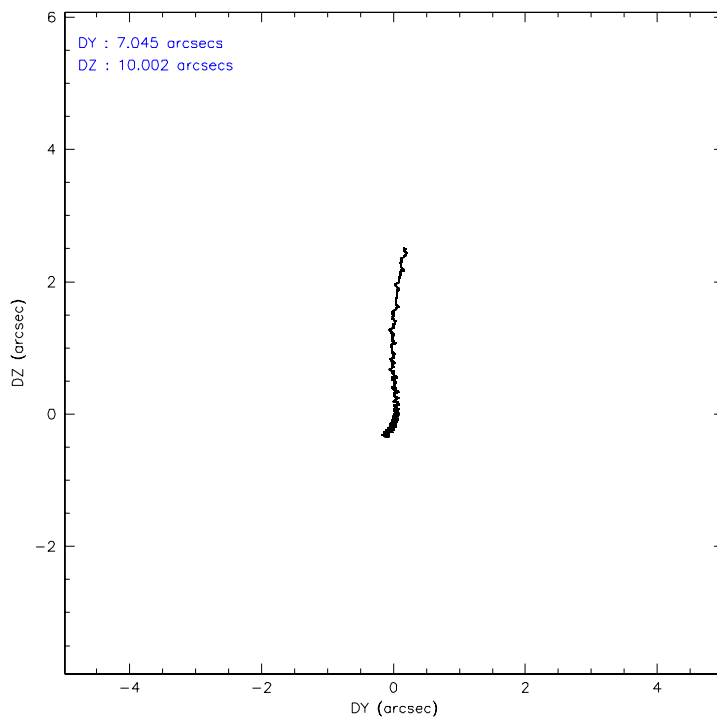
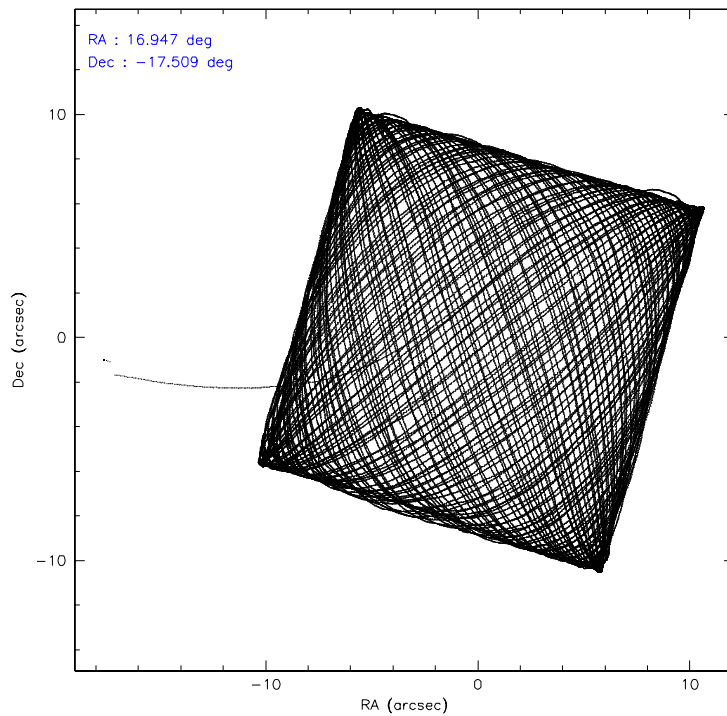
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	499078	507470	756455	487689	655035	625443
rejected events	443748	451511	409619	431864	406573	495575
rejected %	88%	88%	54%	88%	62%	79%

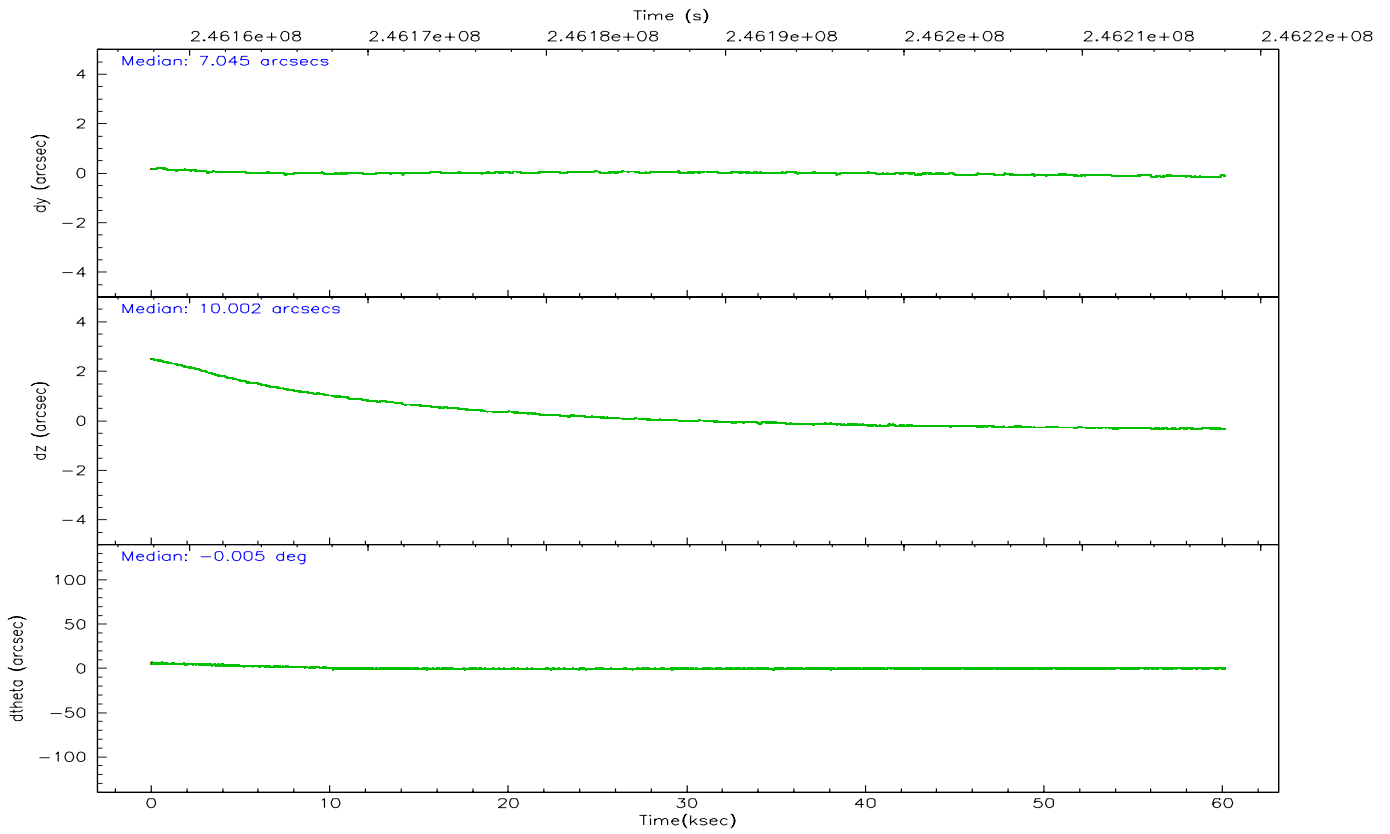
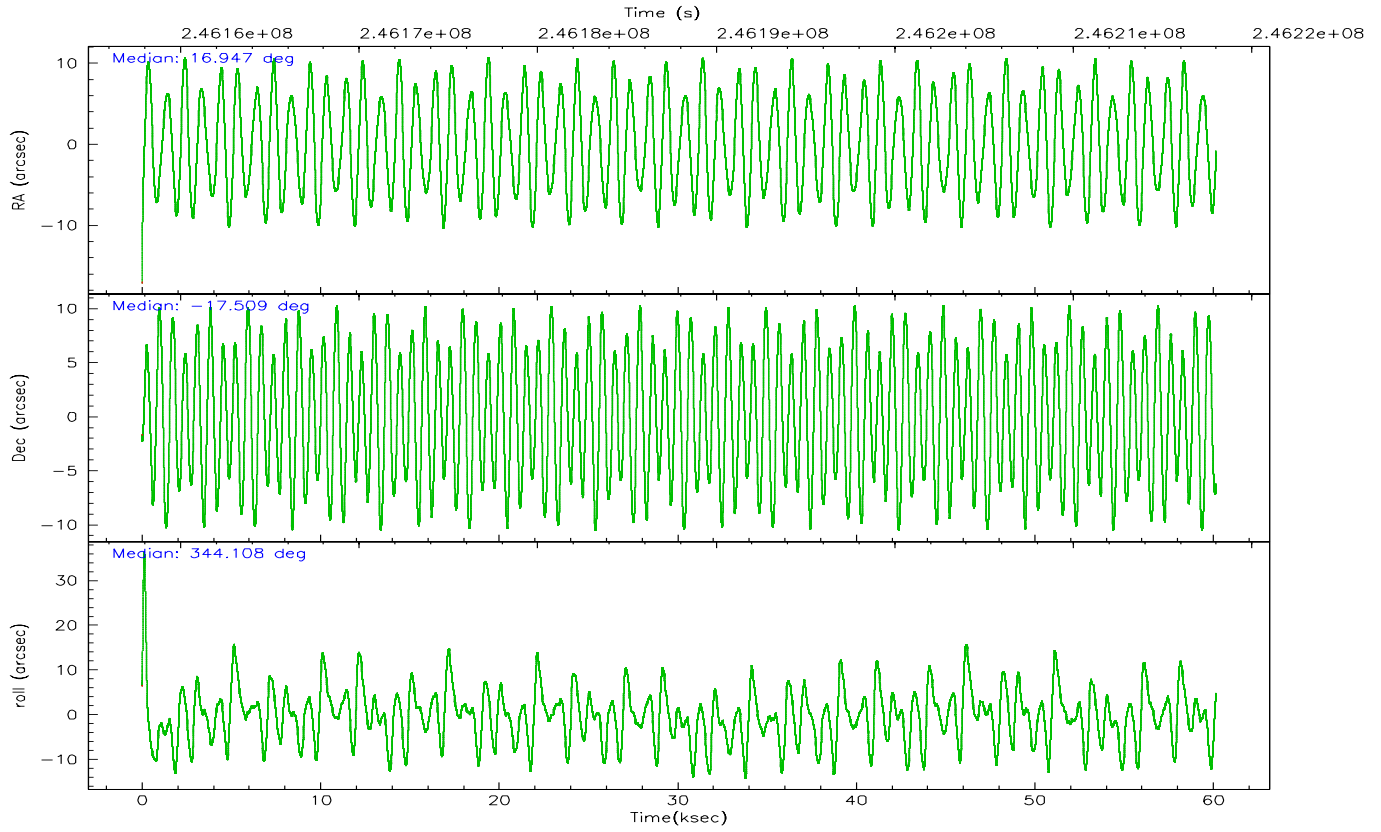
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	23985	23841	42566	21795	14152	42006
	4%	4%	5%	4%	2%	6%
grade 1 events	288	313	742	238	408	453
	0%	0%	0%	0%	0%	0%
grade 2 events	11744	11229	103092	11948	62178	28426
	2%	2%	13%	2%	9%	4%
grade 3 events	5158	5508	11543	5343	11854	13853
	1%	1%	1%	1%	1%	2%
grade 4 events	5131	5531	7729	5286	11369	12904
	1%	1%	1%	1%	1%	2%
grade 5 events	18244	22537	39824	22349	41345	29429
	3%	4%	5%	4%	6%	4%
grade 6 events	9317	9863	181954	11459	148935	32711
	1%	1%	24%	2%	22%	5%
grade 7 events	425211	428648	369005	409271	364794	465661
	85%	84%	48%	83%	55%	74%

## 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	16.919845	16.94741898110858	Alternating exposures requested	N	N
Pointing Dec	-17.515889	-17.50888412093643	Primary exposure time	0.000000	3.2
Pointing Roll	343.947248	344.1121683163128			
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	246157998.184000	246156759.36221			
Observation start date	2005-10-20T01:12:14	2005-10-20T00:52:39			
Observation end time	246217998.184000	246219602.11511			
Observation end date	2005-10-20T17:52:14	2005-10-20T18:20:02			
Read mode	TIMED	TIMED			

## 2.3 Aspect



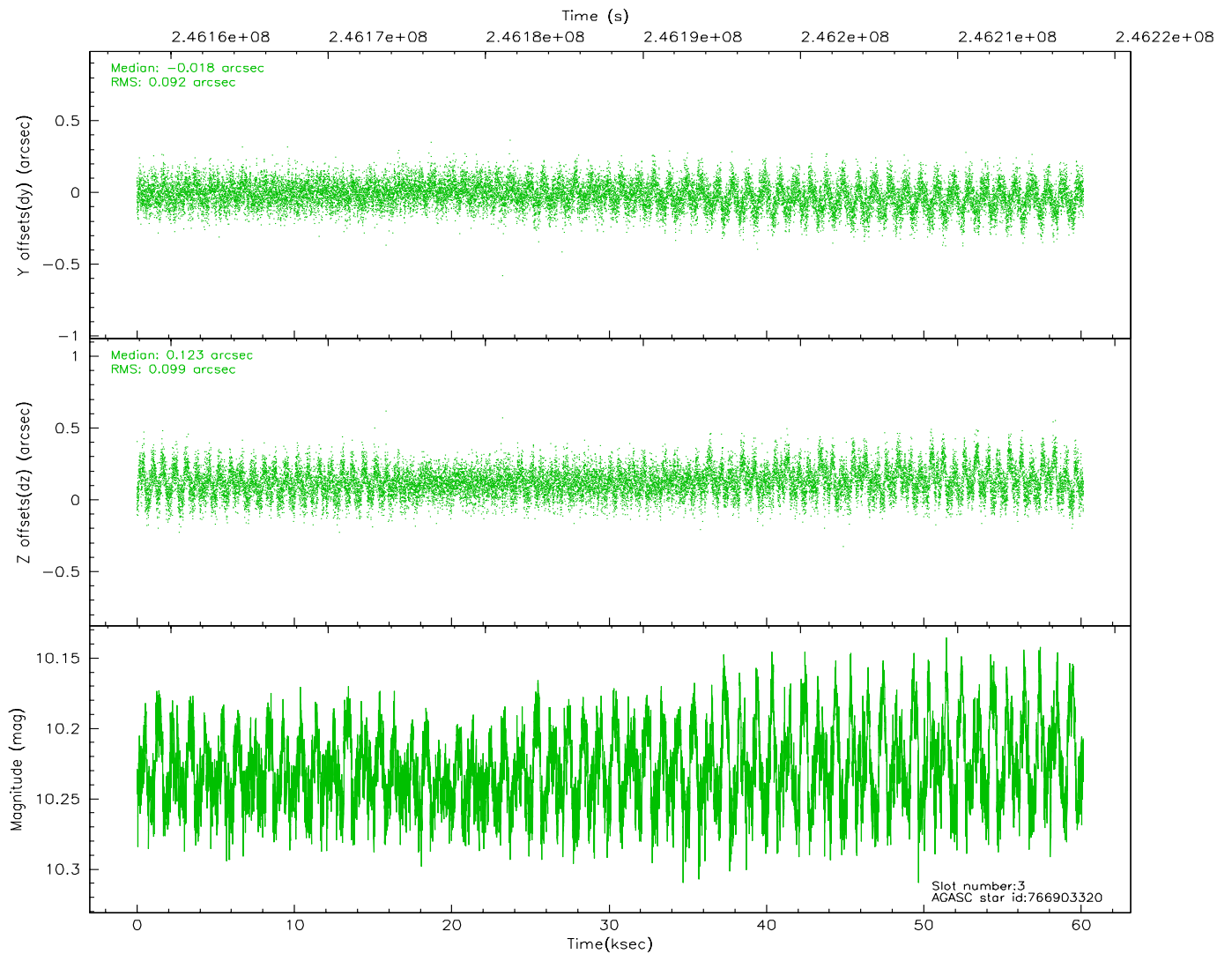
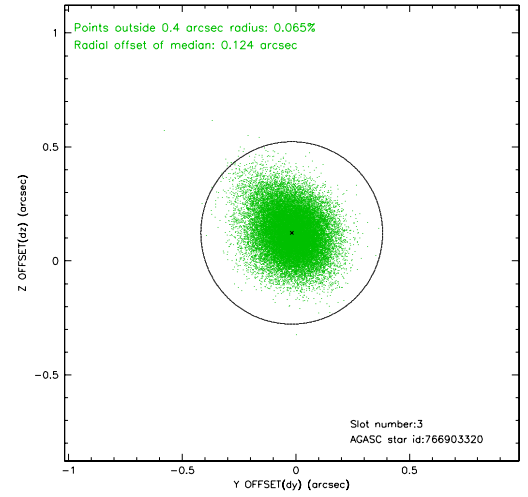
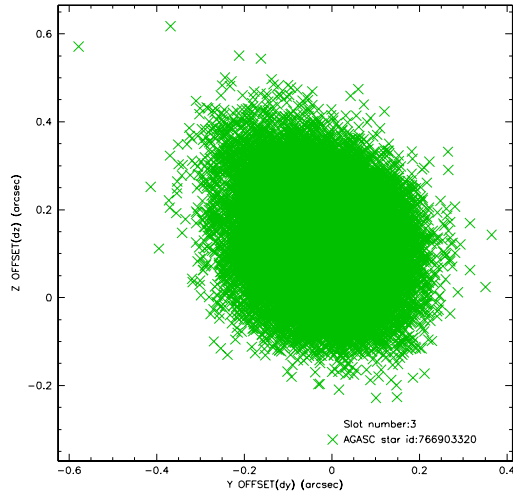


### Slot Statistics

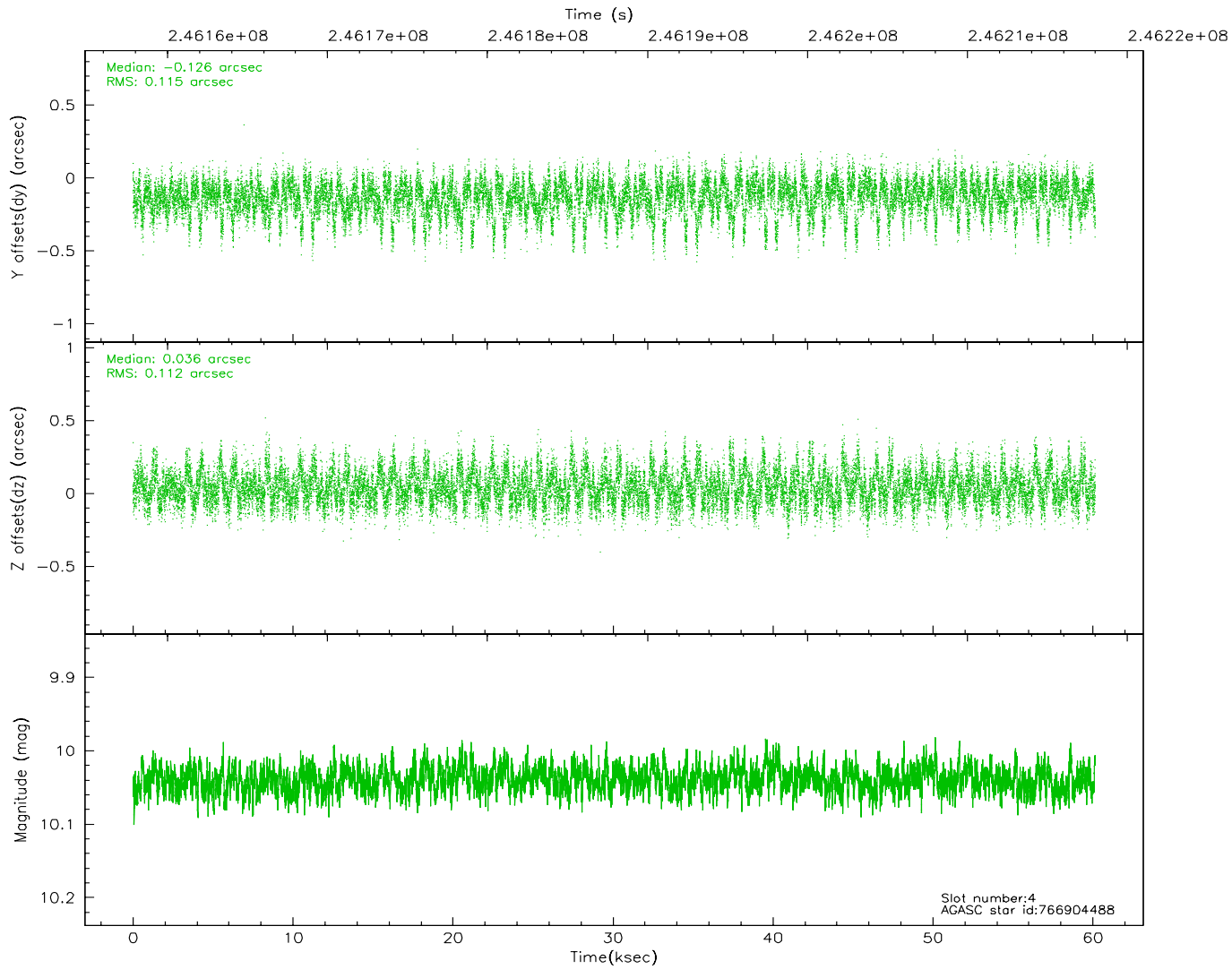
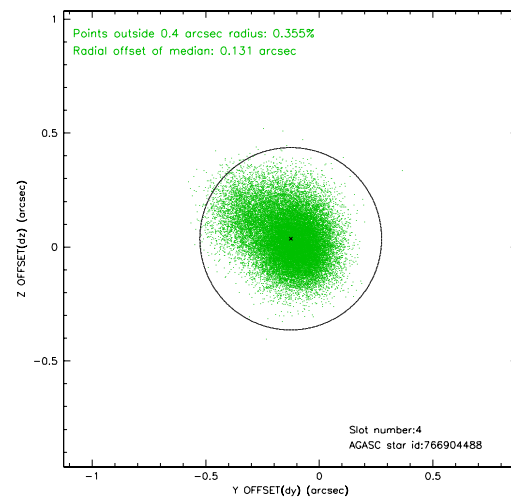
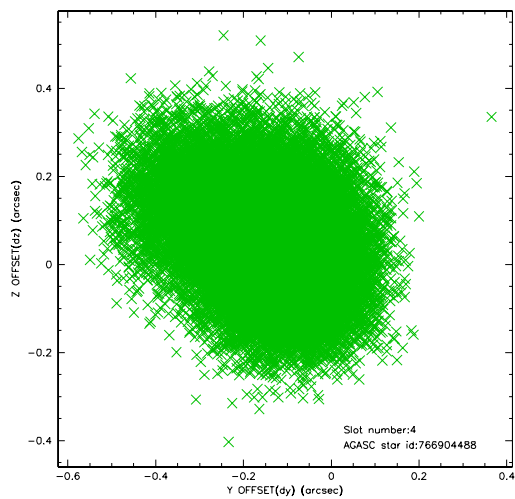
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	14675	-0.048	-0.013	0.011	0.038	0.000000	0.000000	-759.80	-1731.60
1	FID	ACIS-S-4	7.21	14673	0.071	0.027	0.010	0.047	0.000000	0.000000	2153.57	177.02
2	FID	ACIS-S-5	7.24	14675	-0.053	-0.005	0.010	0.017	0.000000	0.000000	-1812.74	170.54
3	GUIDE	766903320	10.23	29136	-0.018	0.123	0.143	0.236	17.321044	-18.099211	1901.16	-1639.37
4	GUIDE	766904488	10.04	29302	-0.126	0.036	0.168	0.287	16.160756	-17.948057	-2066.16	-2218.87
5	GUIDE	766907464	10.05	29308	0.169	0.073	0.146	0.230	16.984267	-17.646745	343.04	-391.64
6	GUIDE	766909000	9.87	29311	0.169	-0.057	0.212	0.337	17.451605	-17.541999	1781.55	412.12
7	GUIDE	766909368	7.38	29347	-0.187	-0.179	0.072	0.116	17.162083	-17.063645	351.36	1794.64

## 2.4 Star Slots

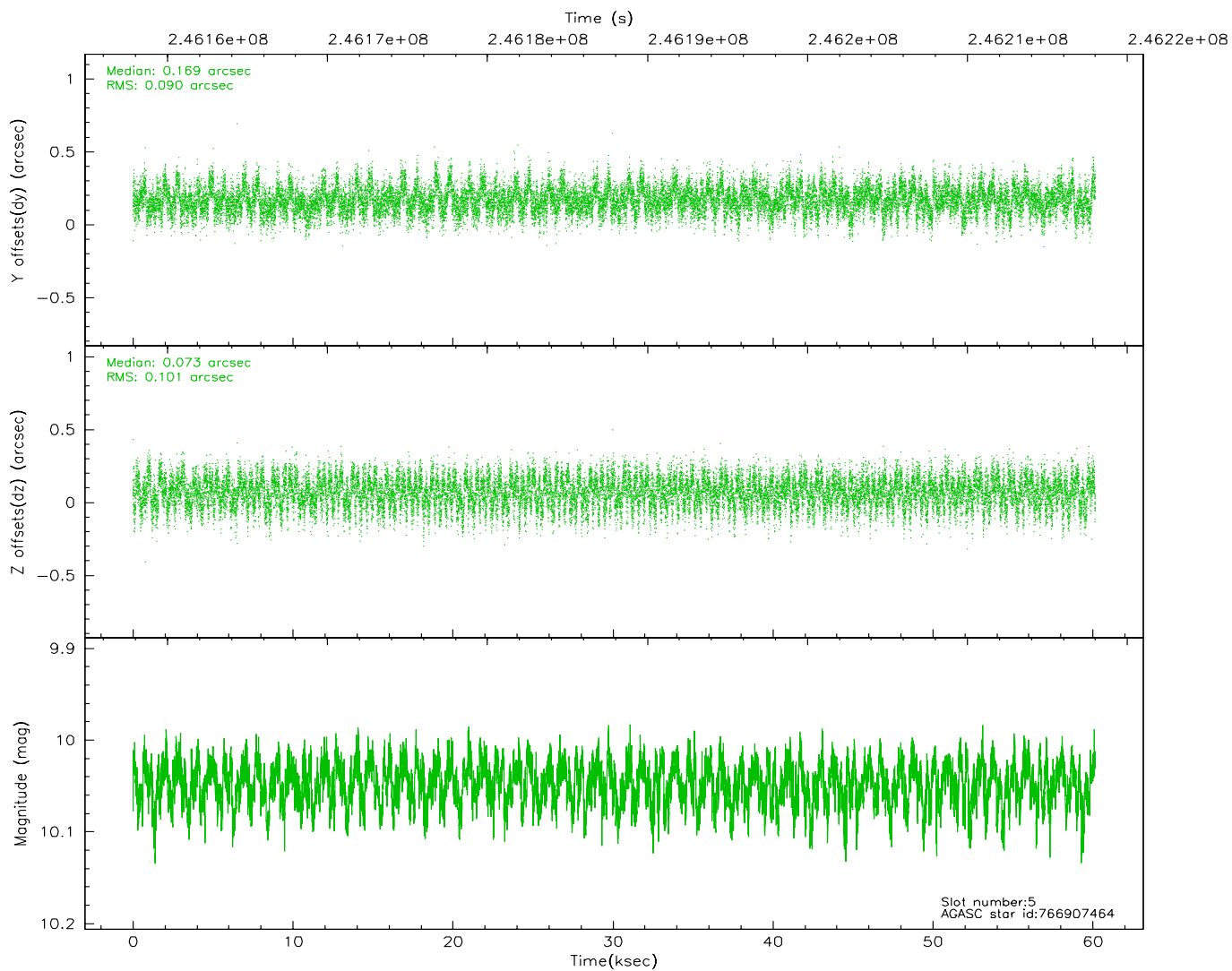
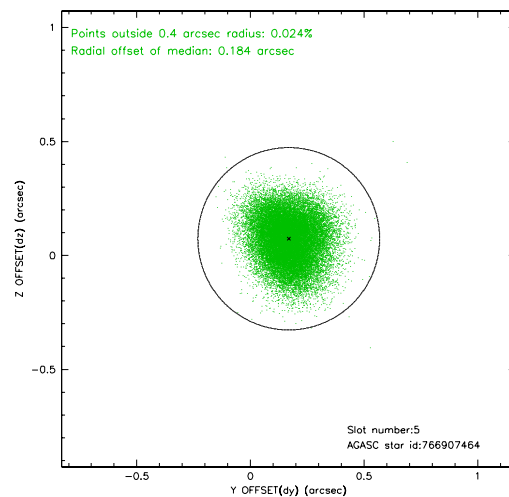
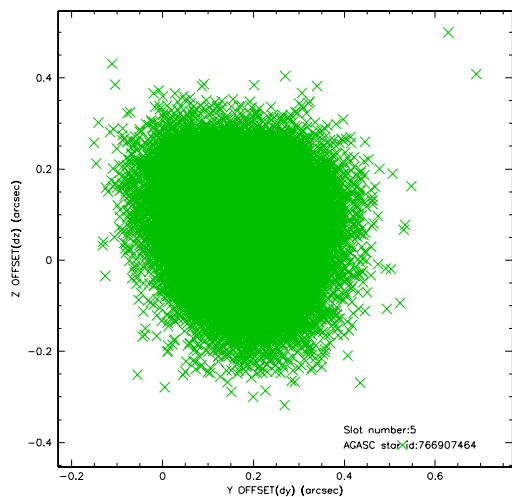
### 2.4.1 Slot 3



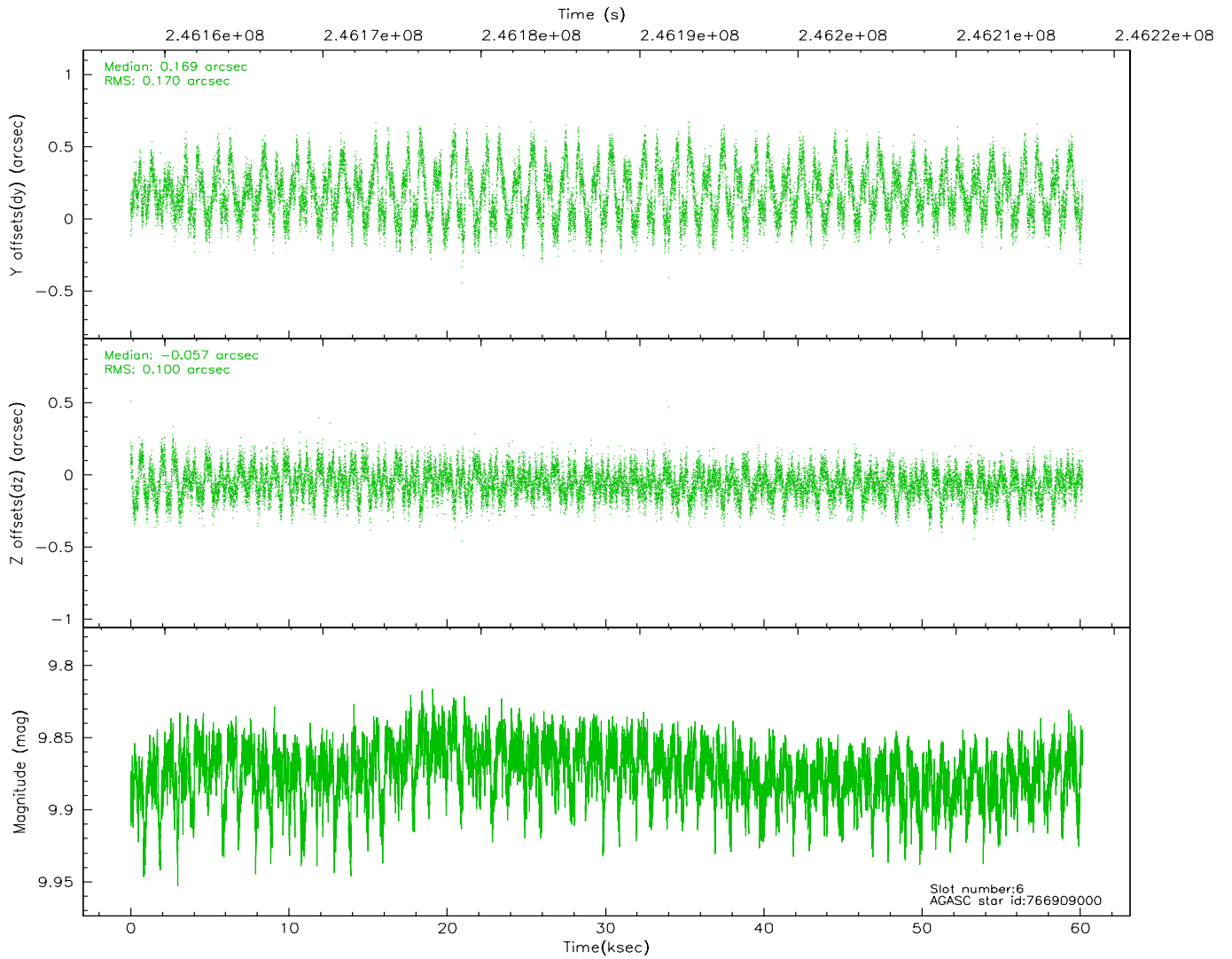
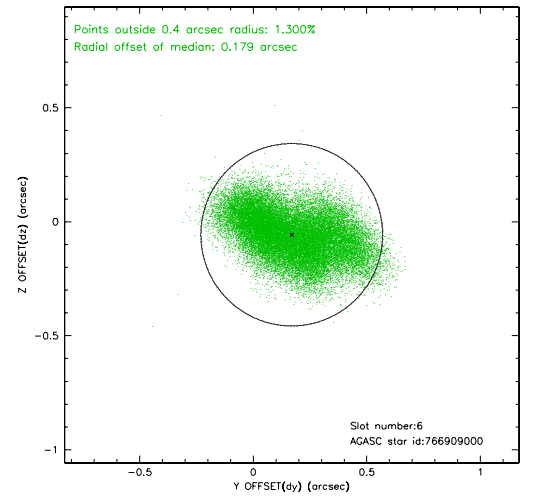
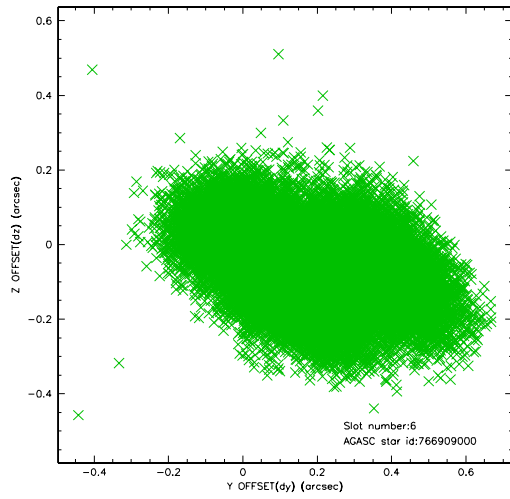
## 2.4.2 Slot 4



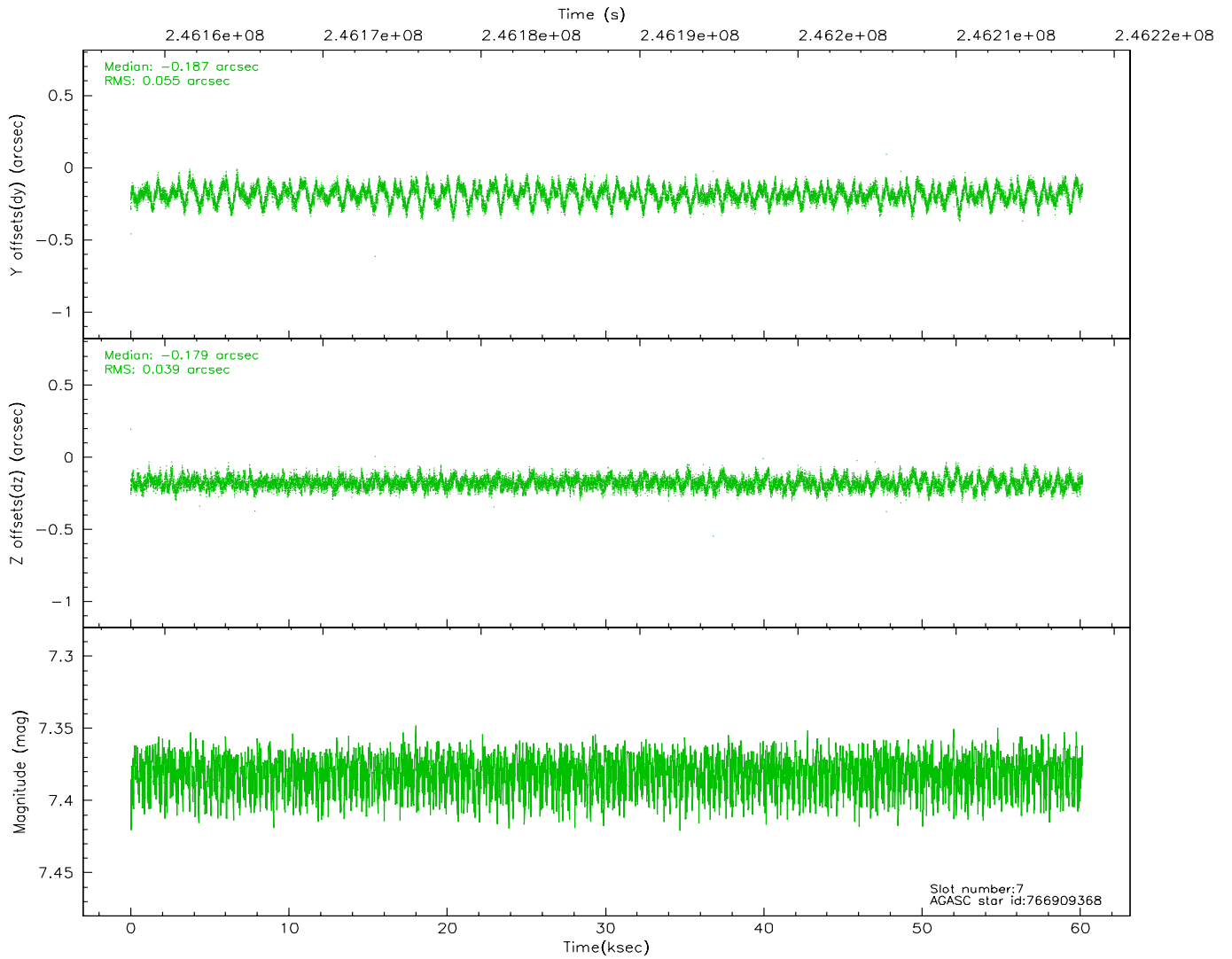
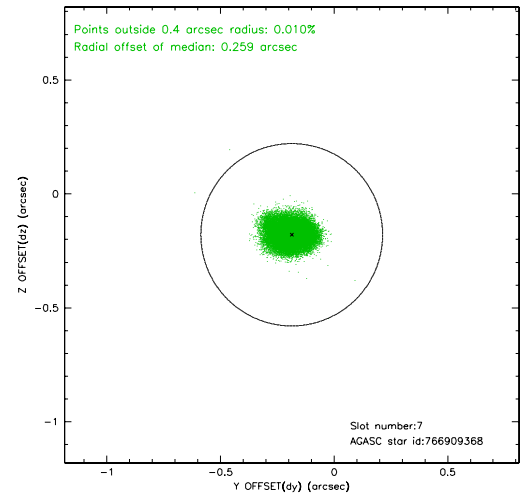
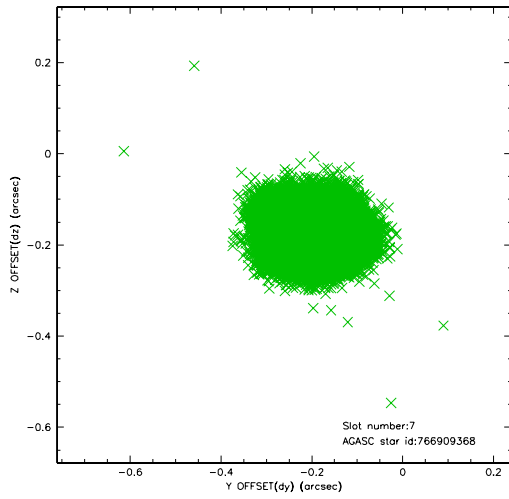
### 2.4.3 Slot 5



### 2.4.4 Slot 6

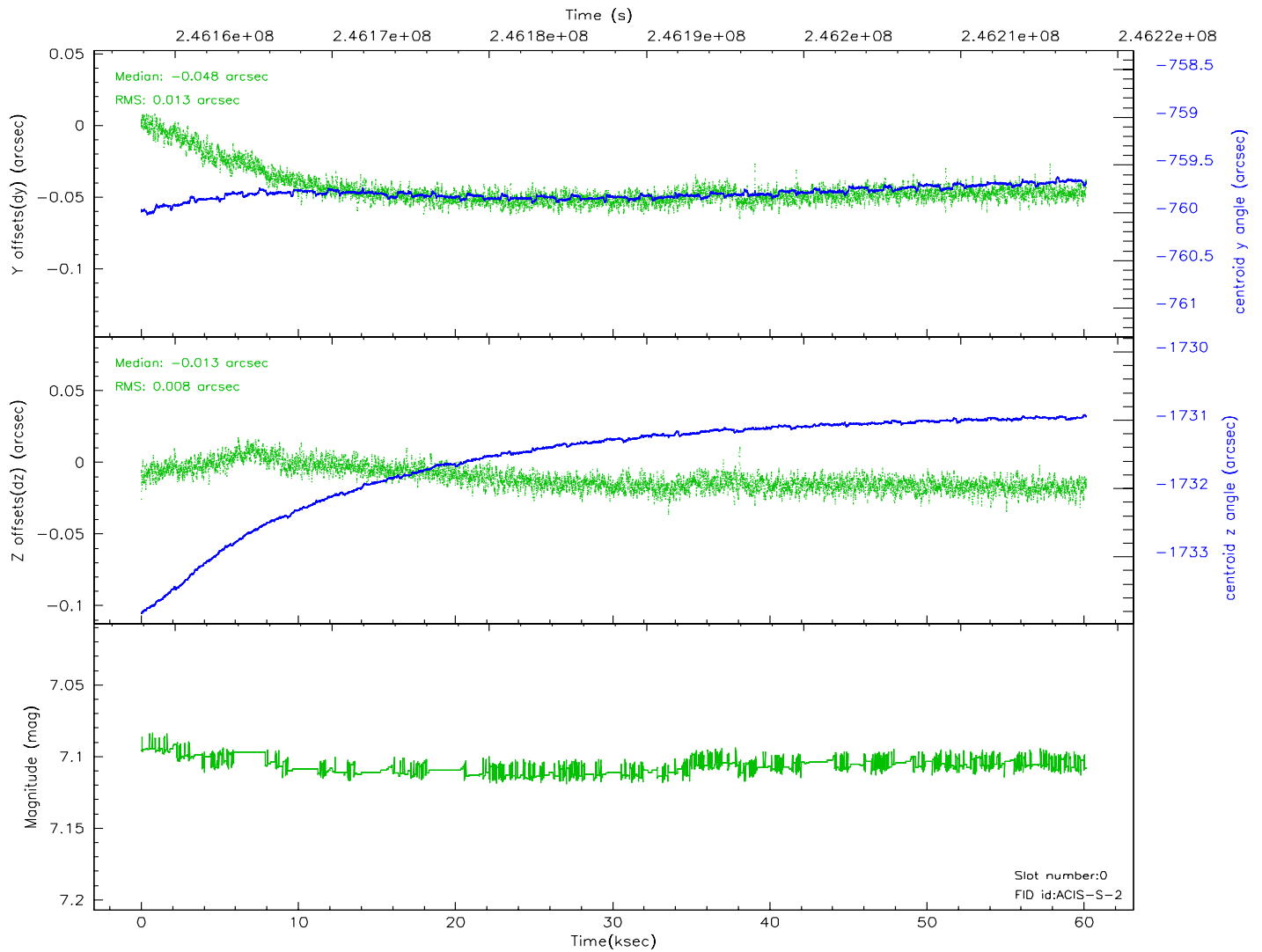
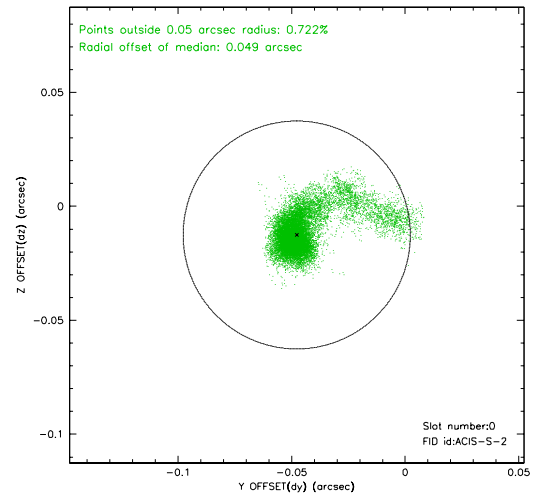
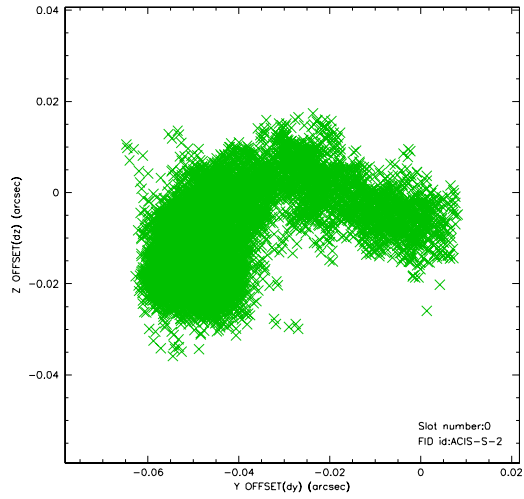


### 2.4.5 Slot 7

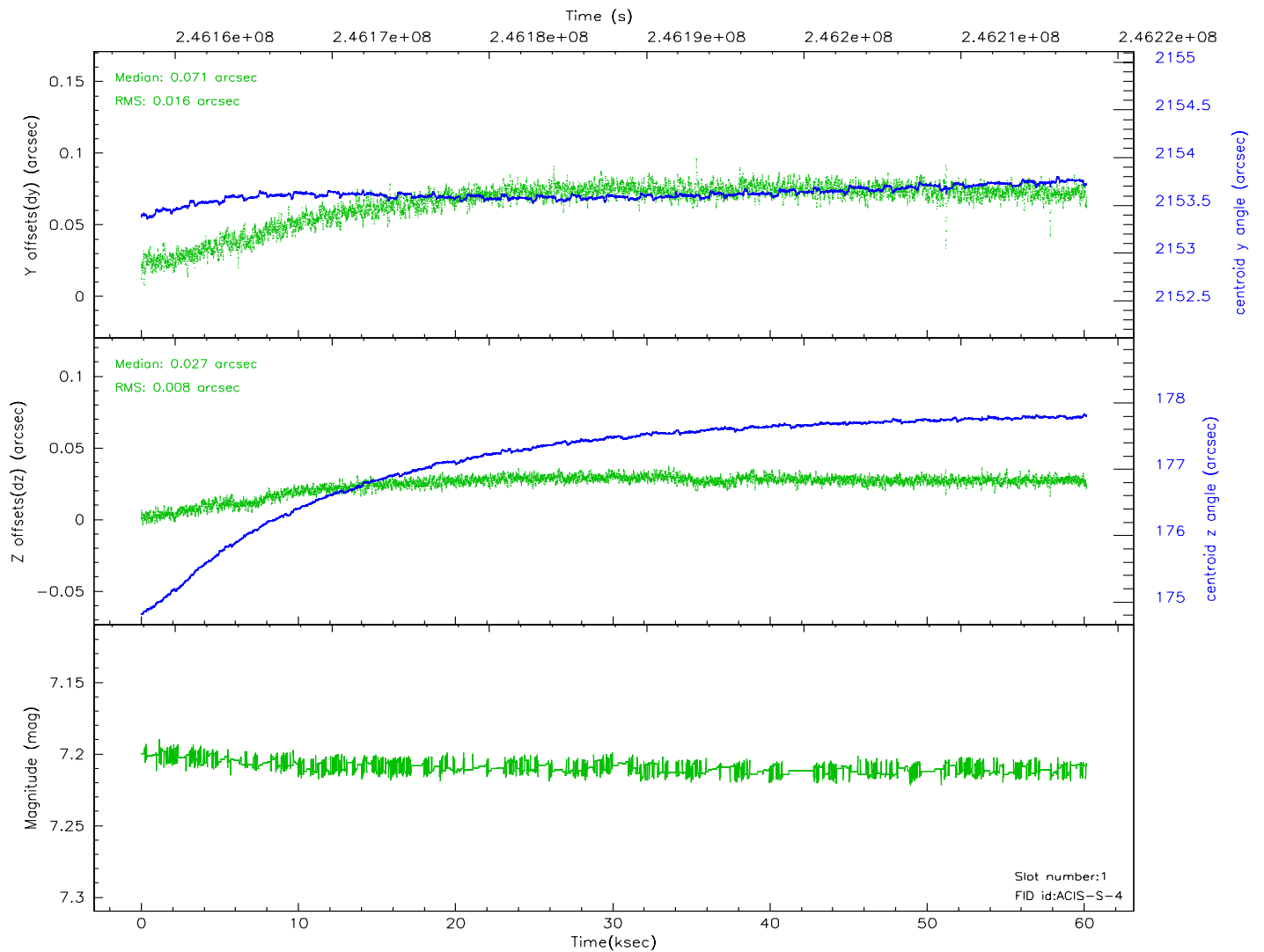
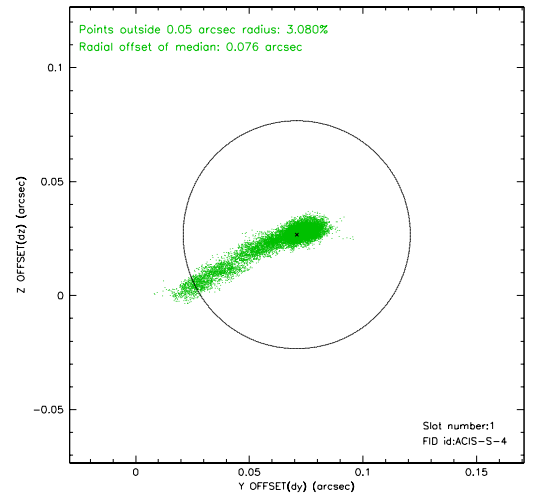
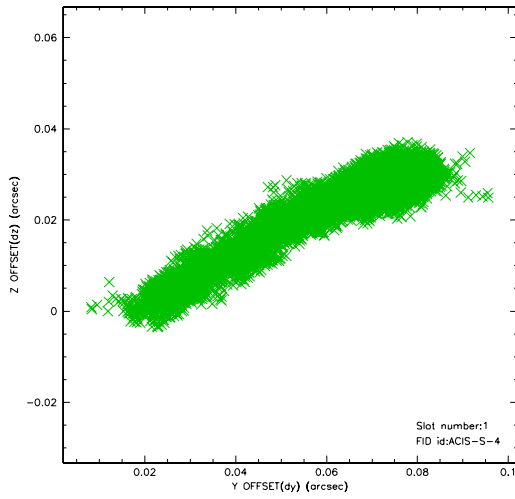


## 2.5 FID Slots

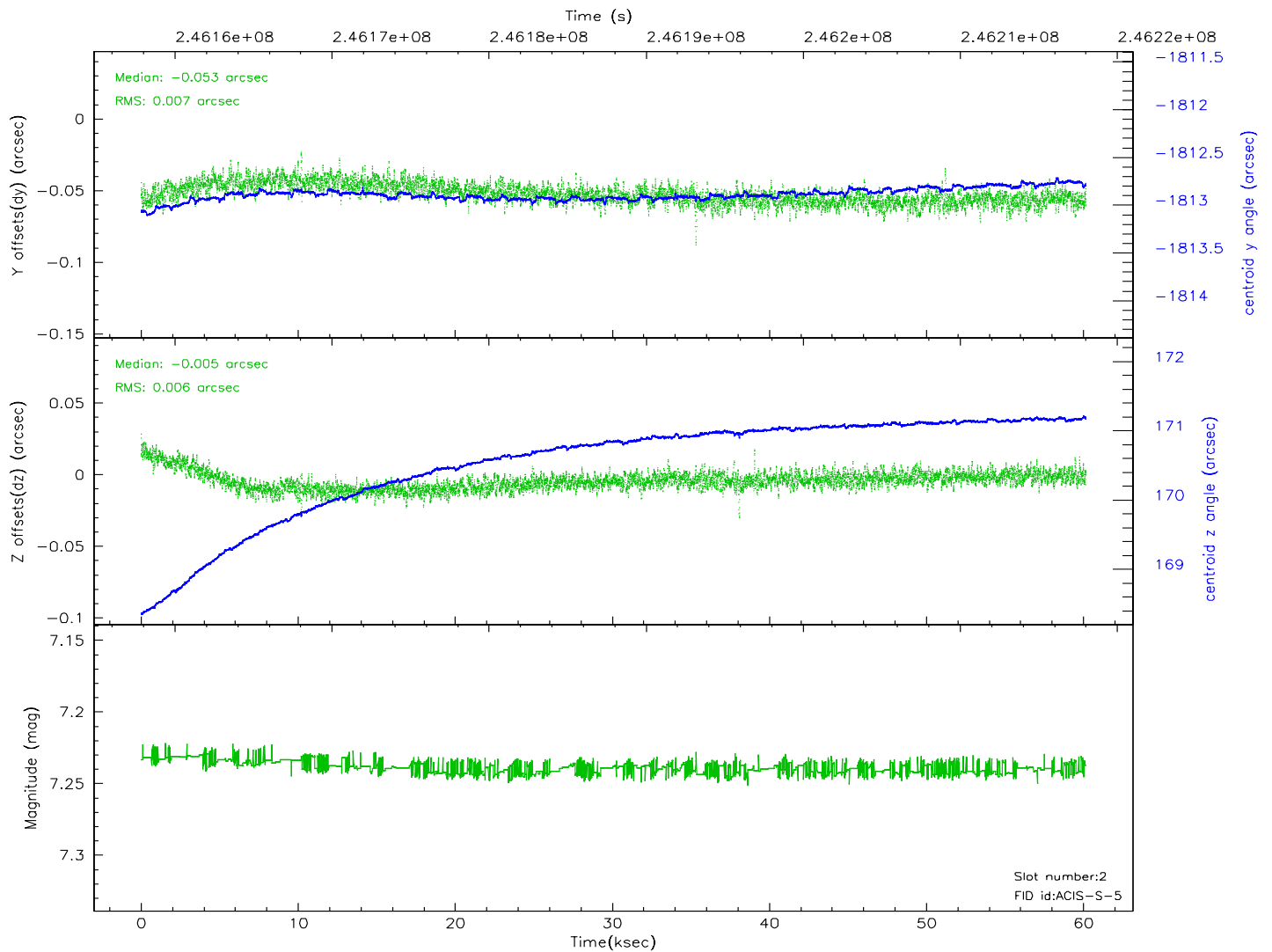
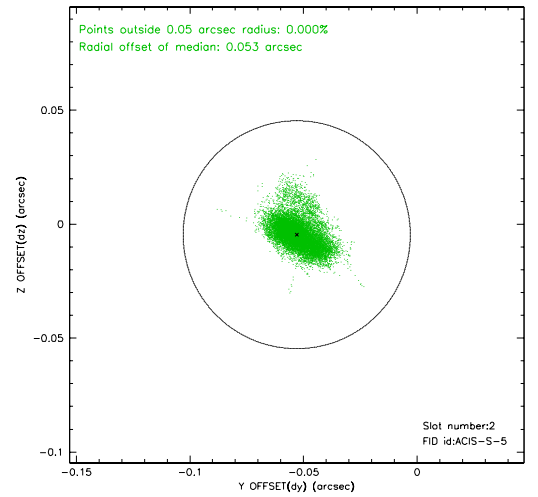
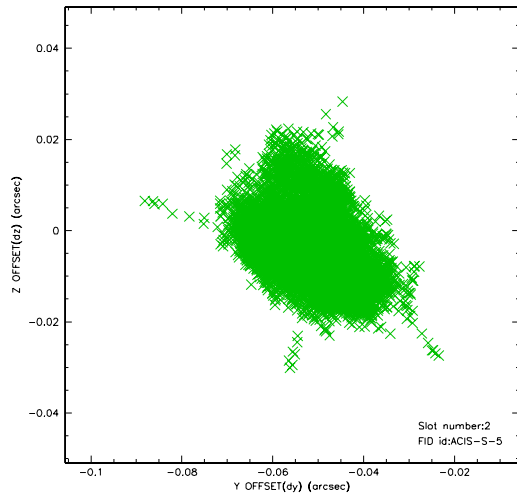
### 2.5.1 Slot 0



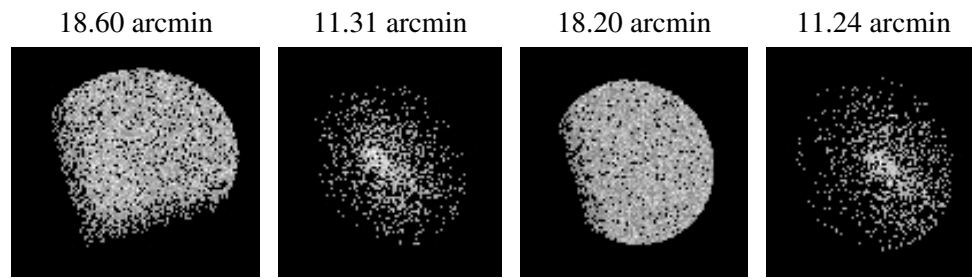
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	60.10879

## A.2 Comments