

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 6147 - L2 Version 001  
Chandra X-Ray Center

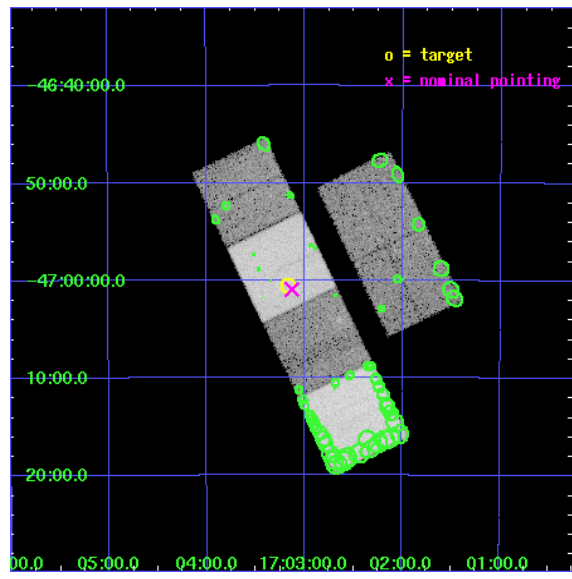
L2 Processing Date : Apr 13 2006

## 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

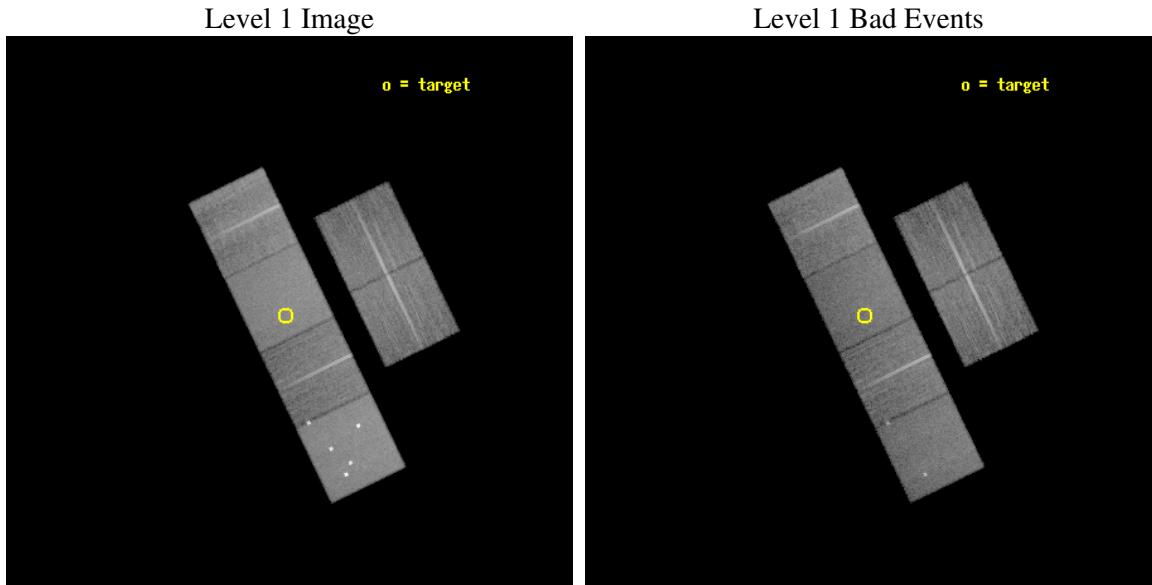
seq_num	200277
obs_id	6147
title	Wind-Wind Interactions and Stellar Magnetic Fields in Pre-Planetary Nebulae
observer	Dr. Raghvendra Sahai
object	IRAS16594-4656
dtcycle	0
cycle	P
ra_targ	255.790417
dec_targ	-47.007778
ra_nom	255.78208827035
dec_nom	-47.015572538085
roll_nom	244.15052585258
revision	2
ontime	20179.199924827
livetime	19923.678744923
ontime2	20179.199924827
ontime3	20179.199924827
ontime5	20179.199924827
ontime6	20179.199924827
ontime7	20179.199924827
ontime8	20179.199924827
l2events	249190



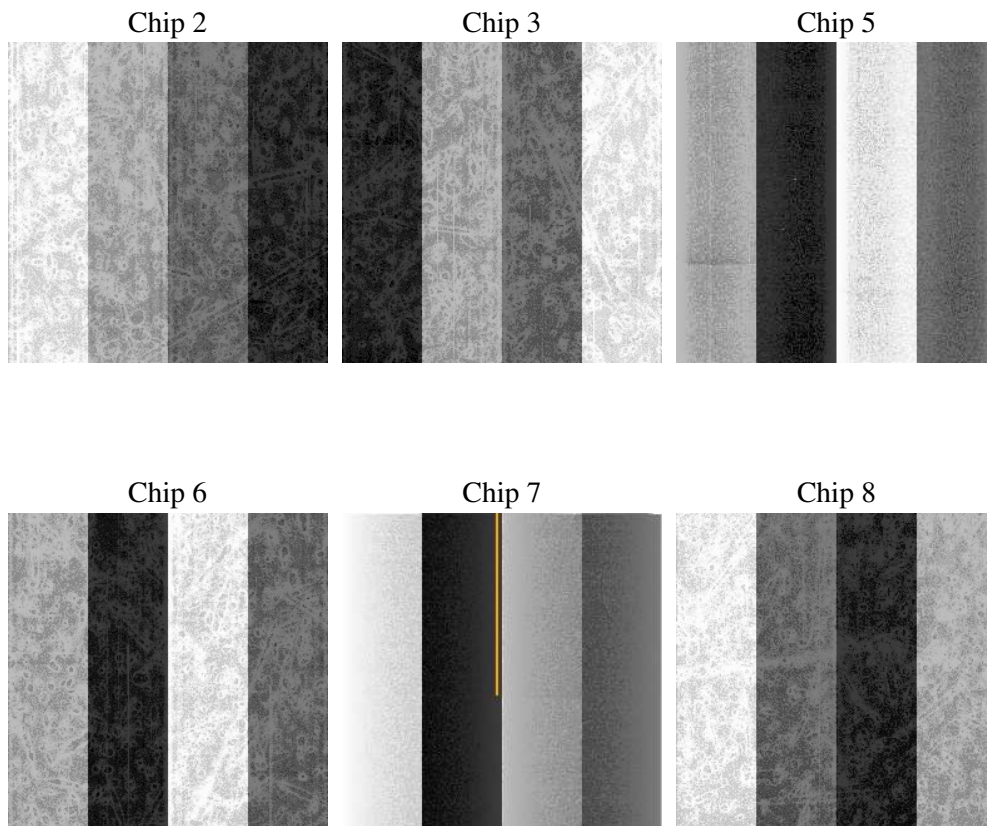
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldbver	3.2.1
date	2006-04-13T08:41:55
revision	2

sched_exp_time	20040.000000
ontime	20833.155653417
ontime2	20833.155653417
ontime3	20833.155633509
ontime5	20833.155653417
ontime6	20833.155633509
ontime7	20833.155653417
ontime8	20833.155653417
l1events	1199028

### 2.1.4 Events

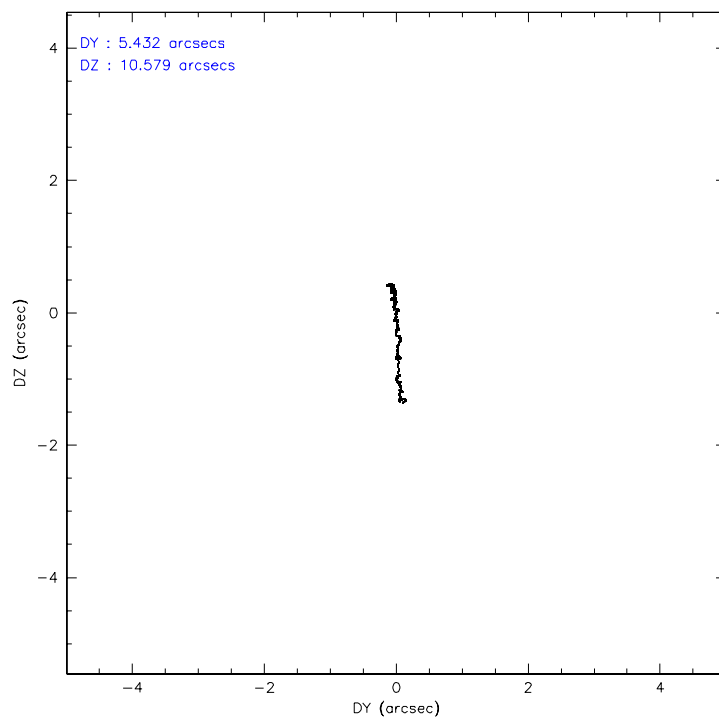
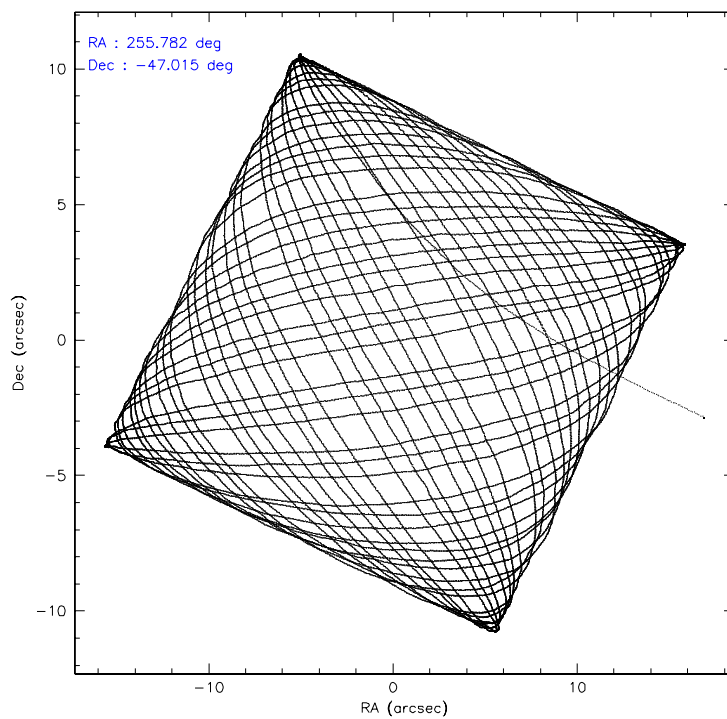
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	172574	158850	265906	166509	224533	210656
rejected events	153366	140624	142535	147081	141369	167498
rejected %	88%	88%	53%	88%	62%	79%

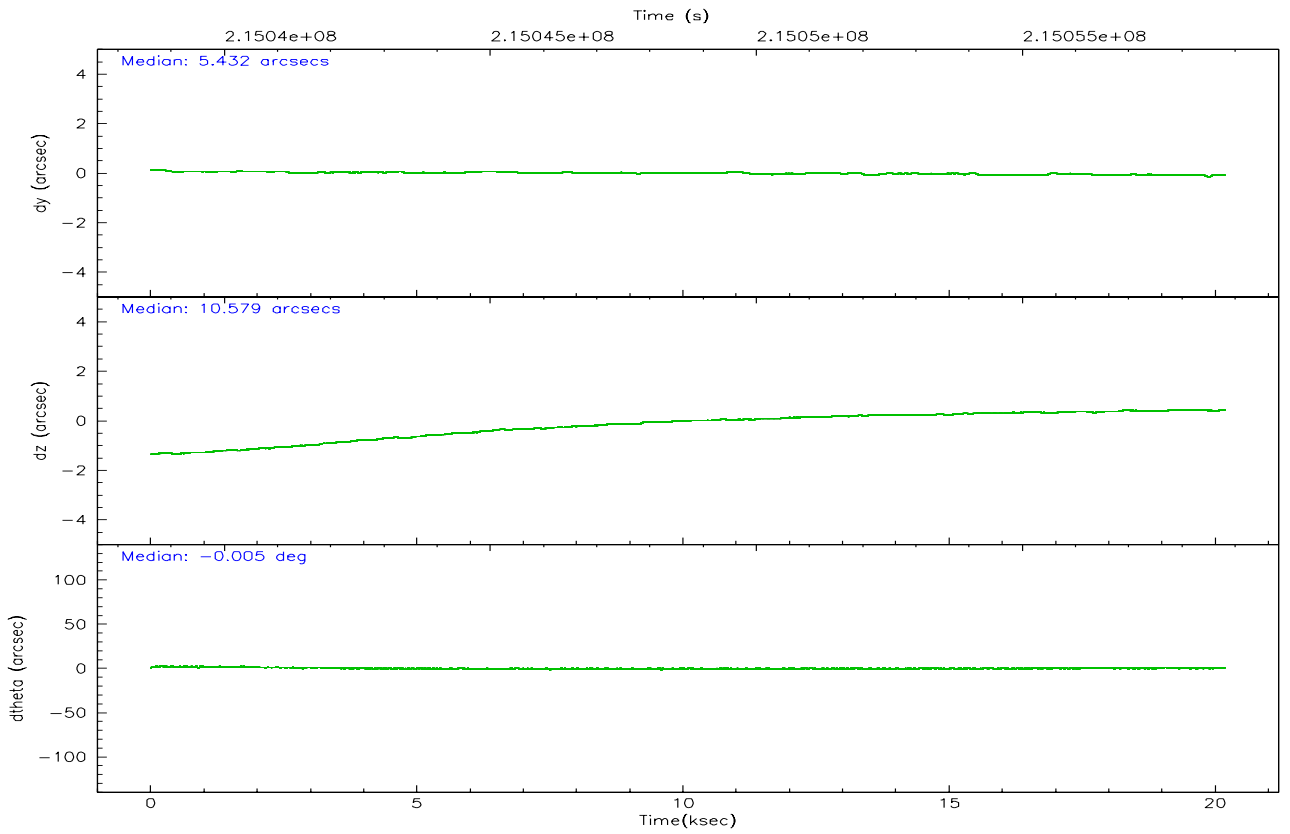
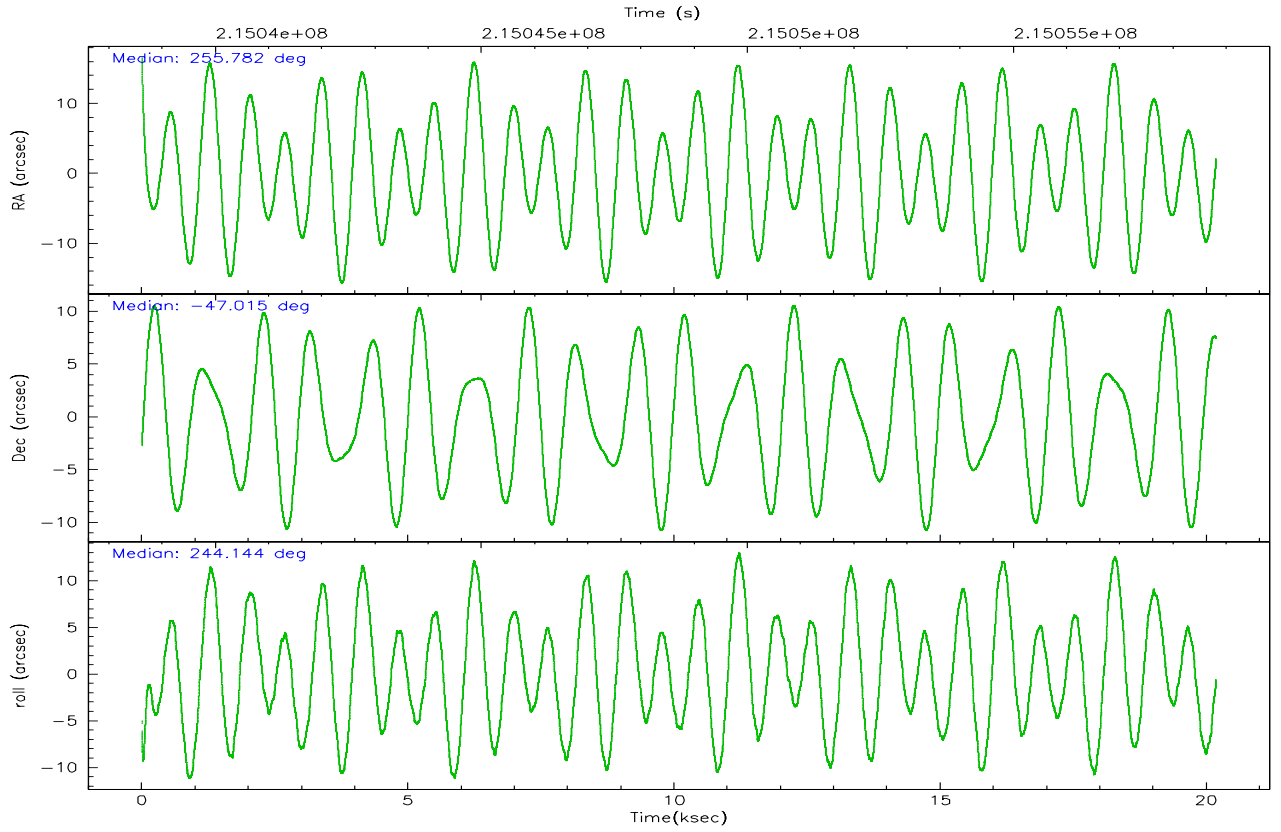
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	9168	8577	20944	8424	4917	14700
	5%	5%	7%	5%	2%	6%
grade 1 events	122	100	1663	78	133	157
	0%	0%	0%	0%	0%	0%
grade 2 events	4092	3613	38873	4108	21243	9941
	2%	2%	14%	2%	9%	4%
grade 3 events	1848	1823	2422	2003	4294	4570
	1%	1%	0%	1%	1%	2%
grade 4 events	1885	1841	2400	2017	4316	4485
	1%	1%	0%	1%	1%	2%
grade 5 events	6521	7115	11662	7544	14651	10122
	3%	4%	4%	4%	6%	4%
grade 6 events	3354	3391	63171	3985	51895	11347
	1%	2%	23%	2%	23%	5%
grade 7 events	145584	132390	124771	138350	123084	155334
	84%	83%	46%	83%	54%	73%

## 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	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	255.778665	255.7820882703535	Alternating exposures requested	N	N
Pointing Dec	-46.988471	-47.01557253808497	Primary exposure time	0.000000	3.2
Pointing Roll	243.991412	244.1505258525761			
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	215038773.184000	215037395.60996			
Observation start date	2004-10-24T20:58:29	2004-10-24T20:36:35			
Observation end time	215058813.184000	215059070.26093			
Observation end date	2004-10-25T02:32:29	2004-10-25T02:37:50			
Read mode	TIMED	TIMED			

## 2.3 Aspect



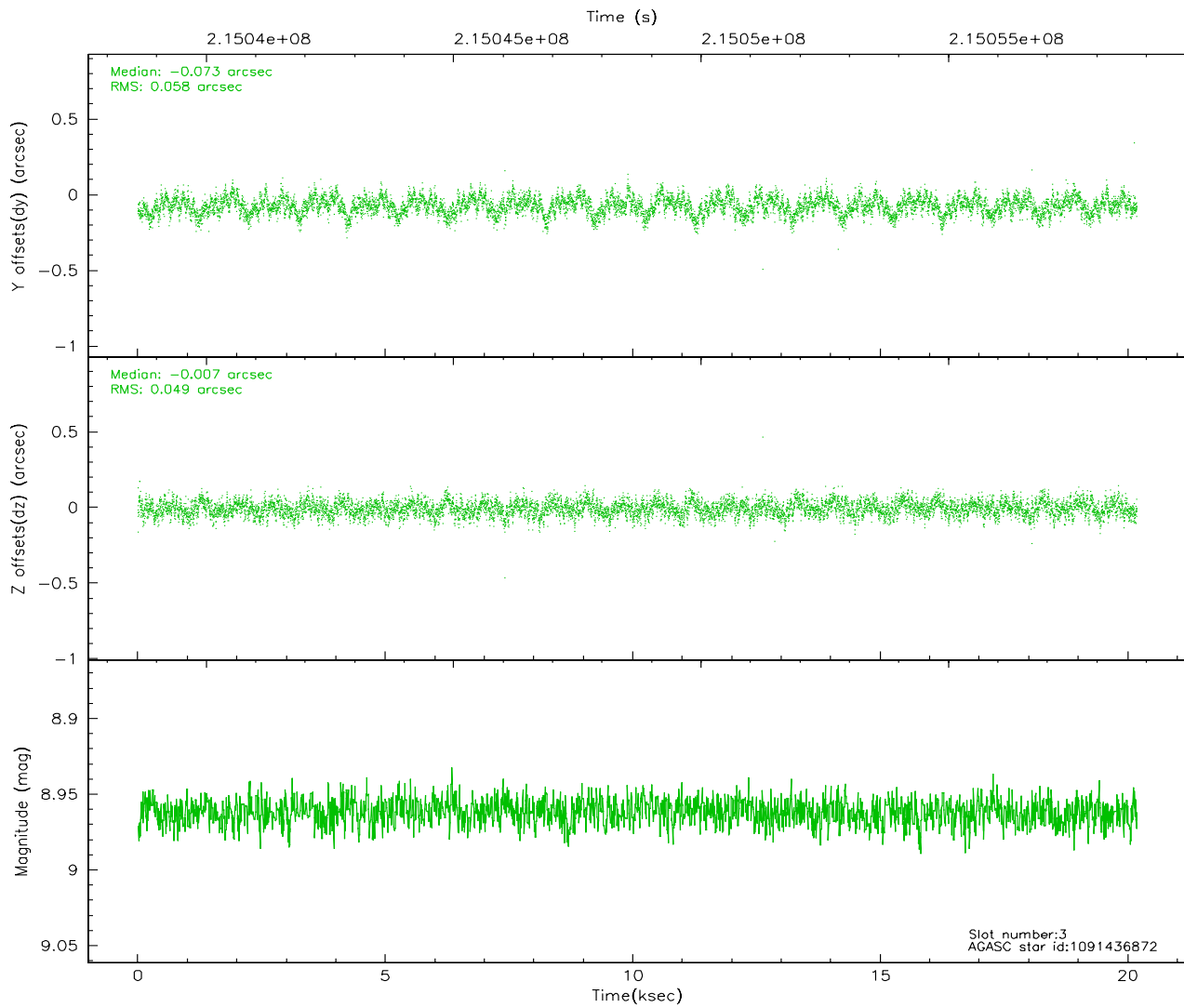
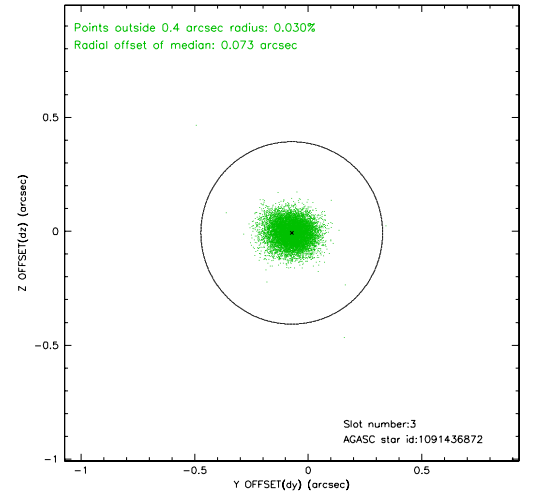
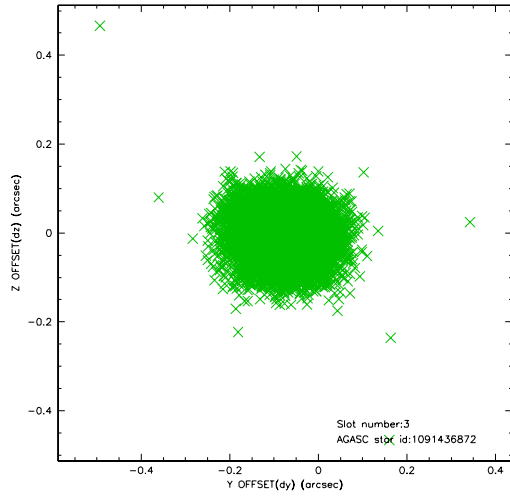


### Slot Statistics

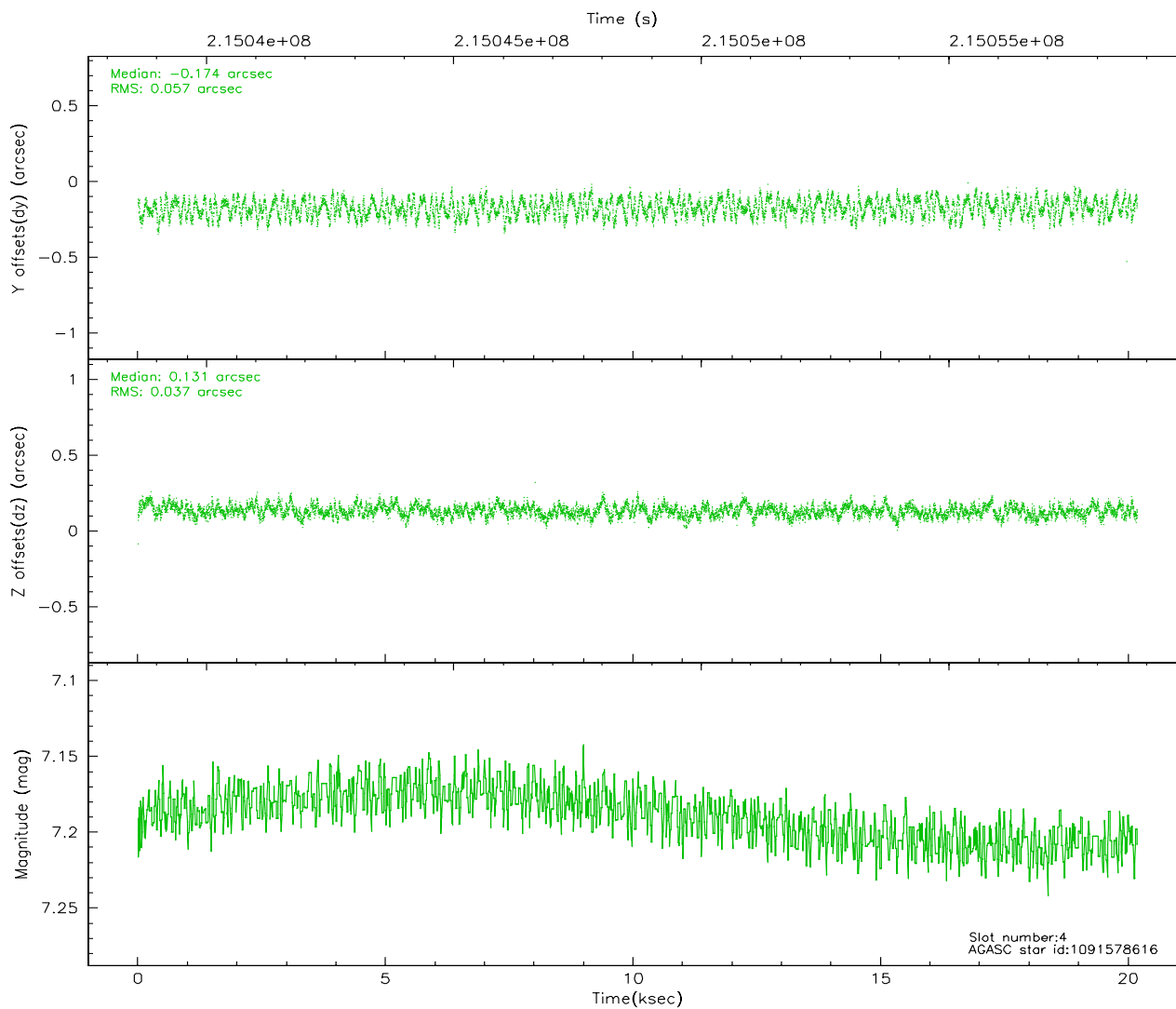
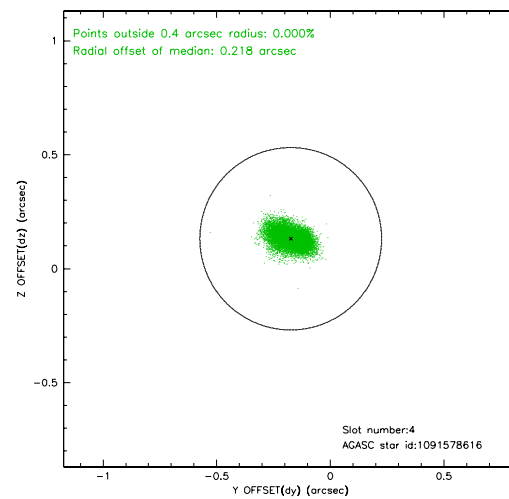
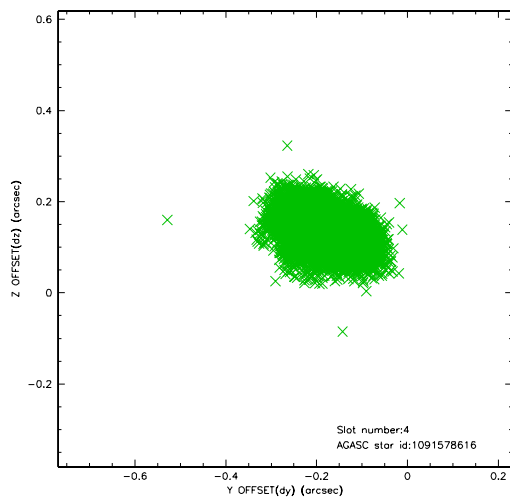
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	4923	-0.059	-0.001	0.012	0.022	0.000000	0.000000	-758.17	-1731.65
1	FID	ACIS-S-4	7.21	4923	0.068	0.030	0.010	0.017	0.000000	0.000000	2155.12	176.71
2	FID	ACIS-S-5	7.23	4921	-0.038	-0.019	0.010	0.022	0.000000	0.000000	-1810.78	170.49
3	GUIDE	1091436872	8.96	9842	-0.073	-0.007	0.080	0.128	255.728542	-46.511740	-1487.73	-863.96
4	GUIDE	1091578616	7.19	9847	-0.174	0.131	0.074	0.113	256.896475	-46.679685	-2192.29	2002.14
5	GUIDE	1091962048	9.34	9834	0.118	-0.026	0.086	0.138	255.249687	-47.258259	1443.73	-733.02
6	GUIDE	1091963760	8.82	9842	0.225	-0.232	0.107	0.169	254.534918	-47.241344	2173.71	-2321.82
7	GUIDE	1091568688	9.20	9843	-0.096	0.137	0.094	0.154	257.031467	-46.735947	-2150.12	2390.22

## 2.4 Star Slots

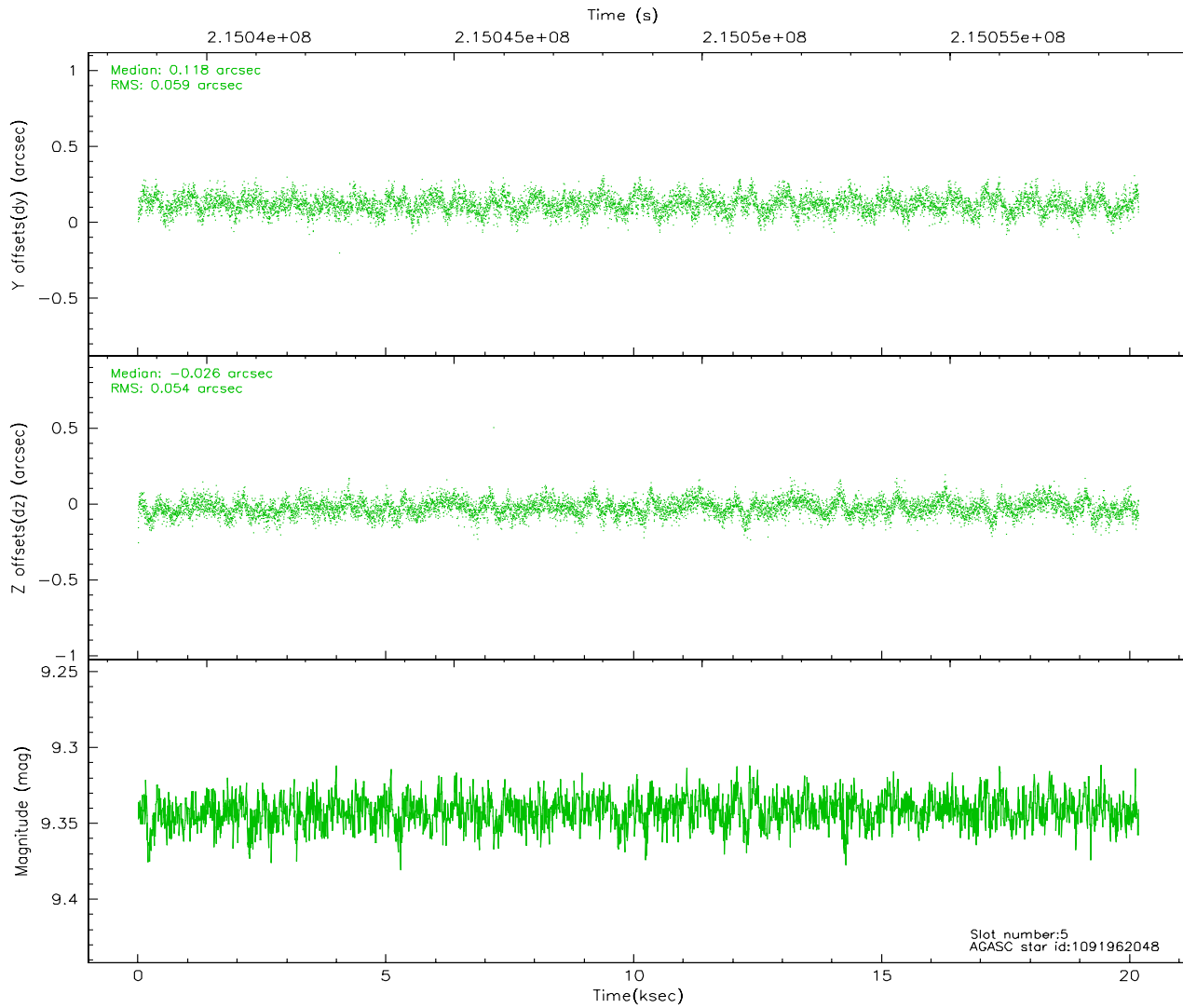
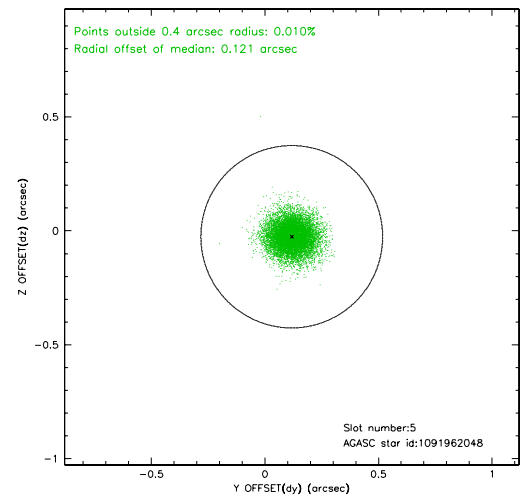
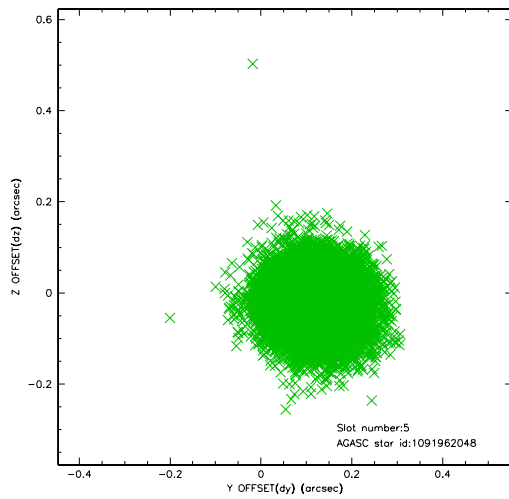
### 2.4.1 Slot 3



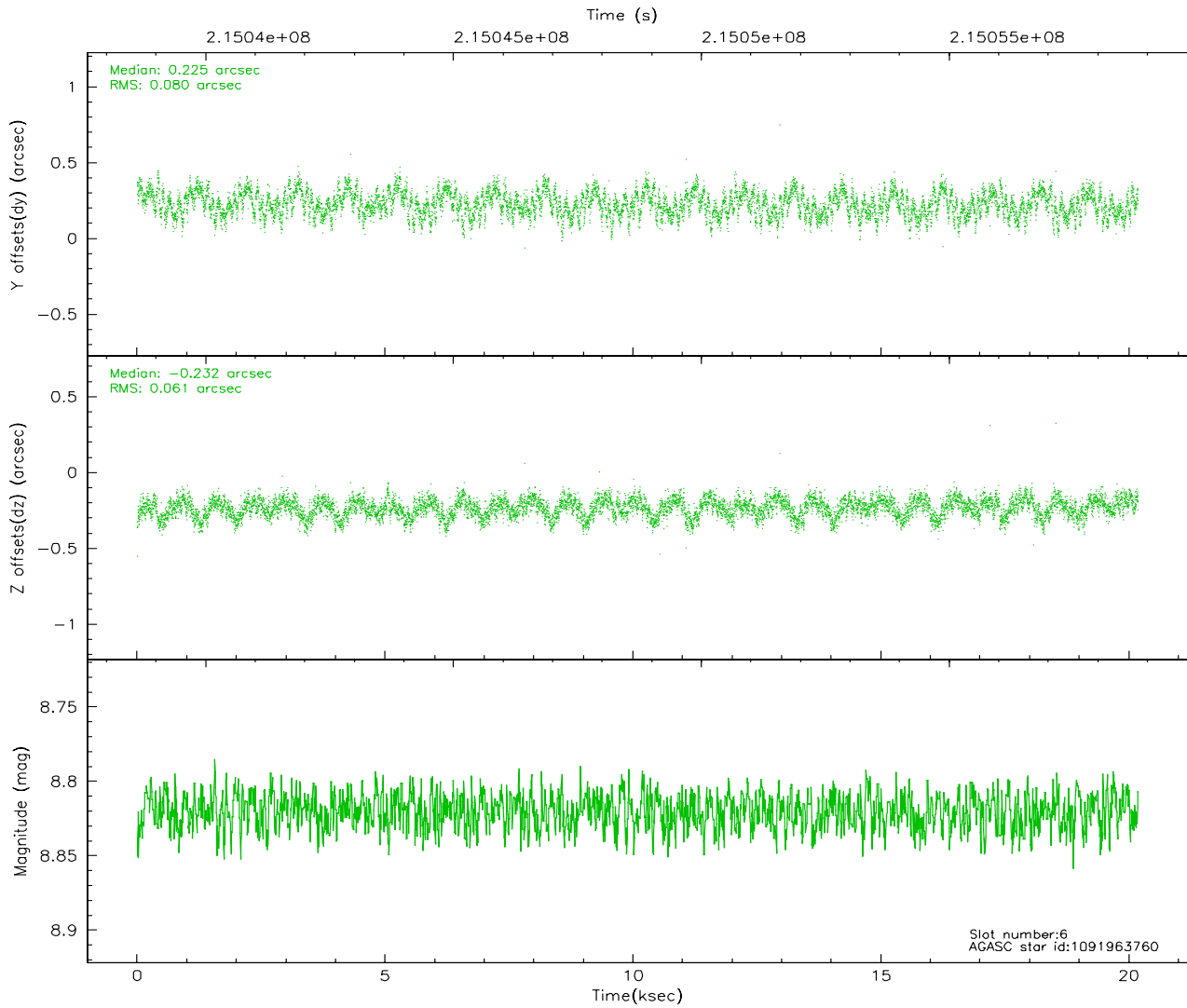
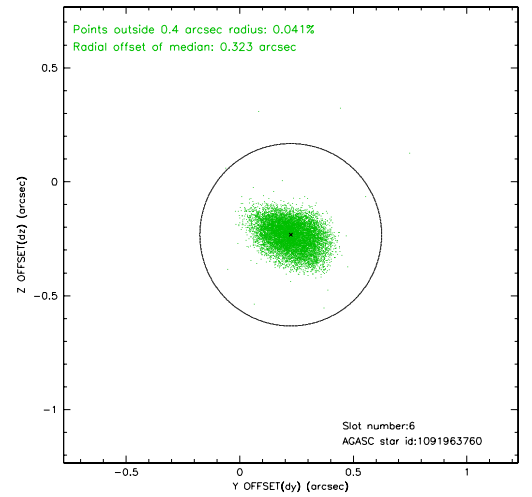
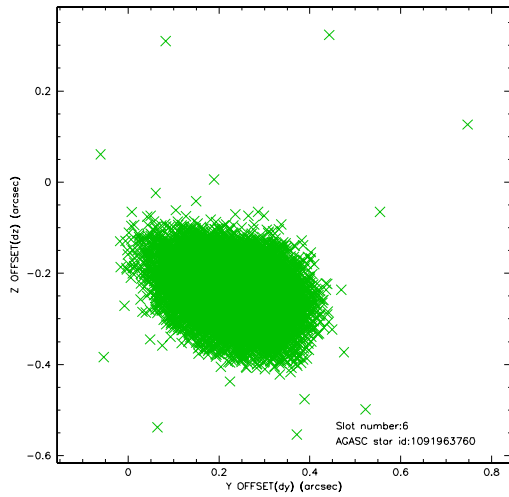
## 2.4.2 Slot 4



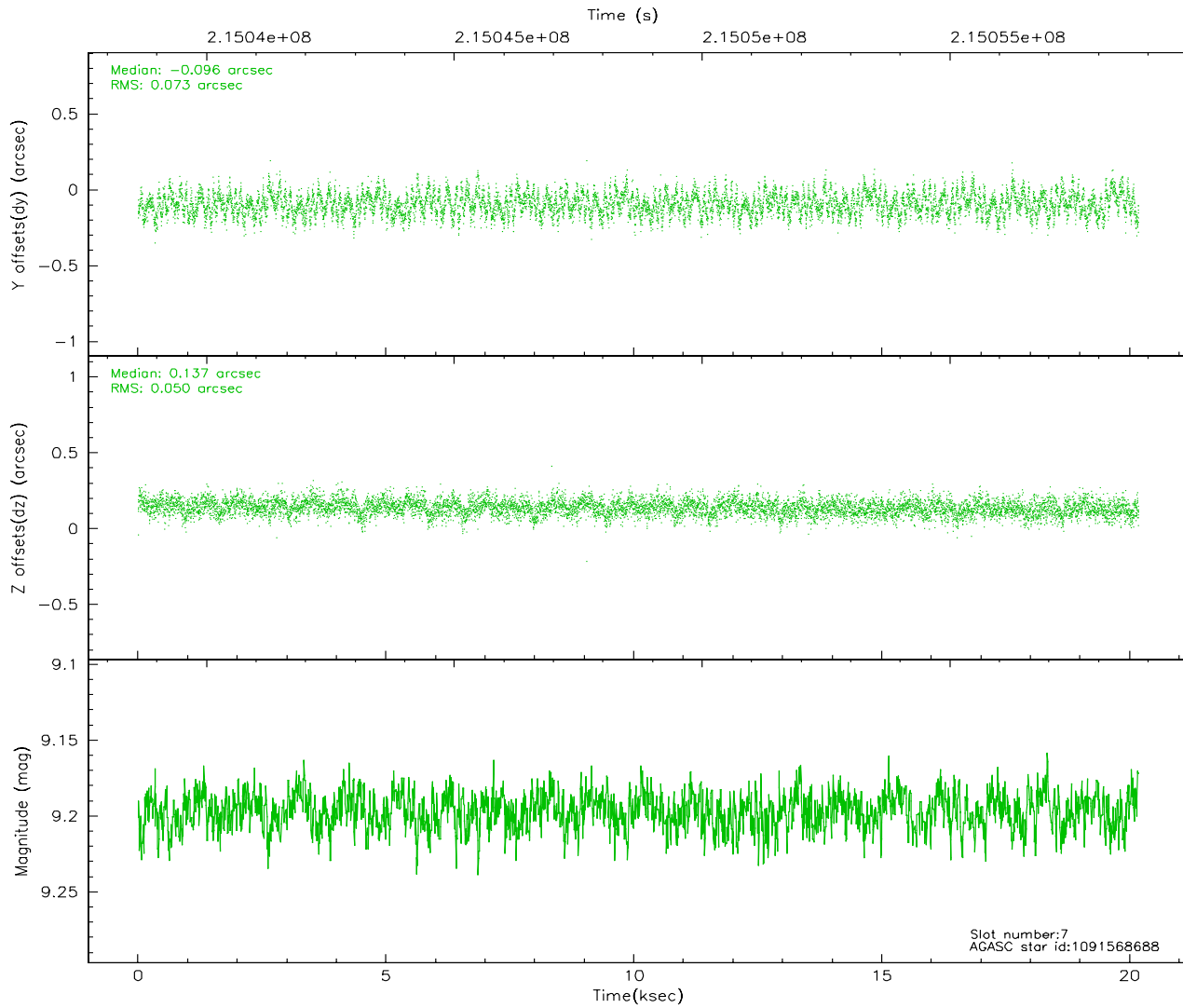
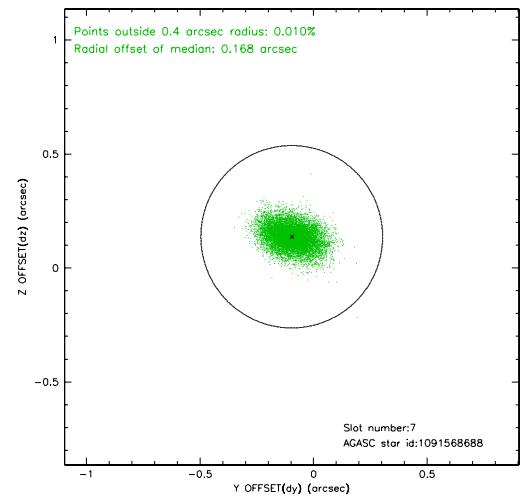
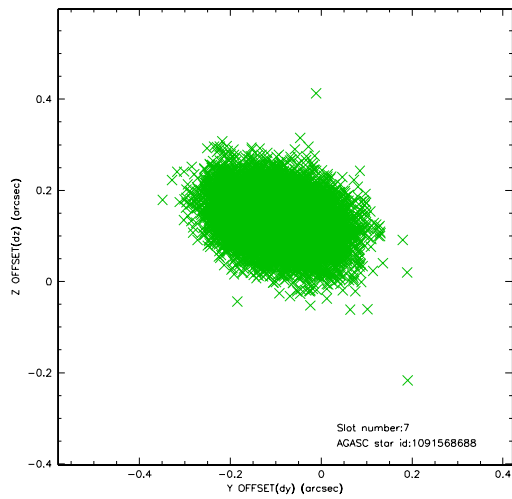
### 2.4.3 Slot 5



### 2.4.4 Slot 6

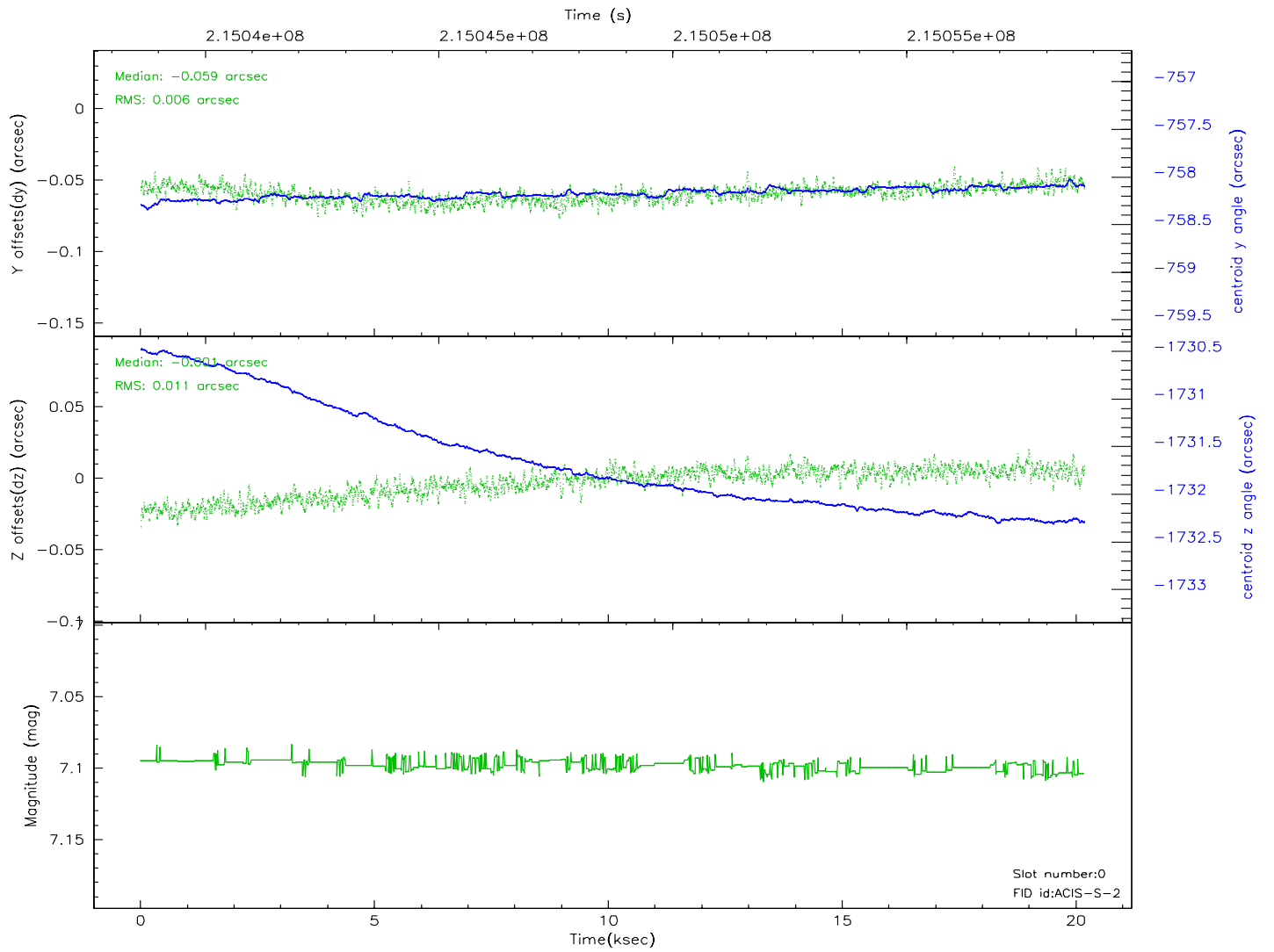
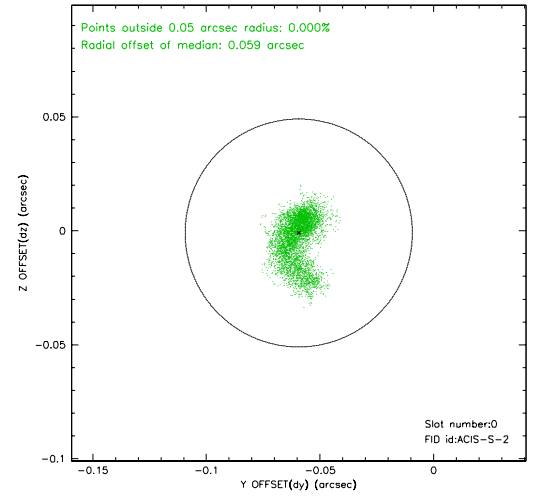
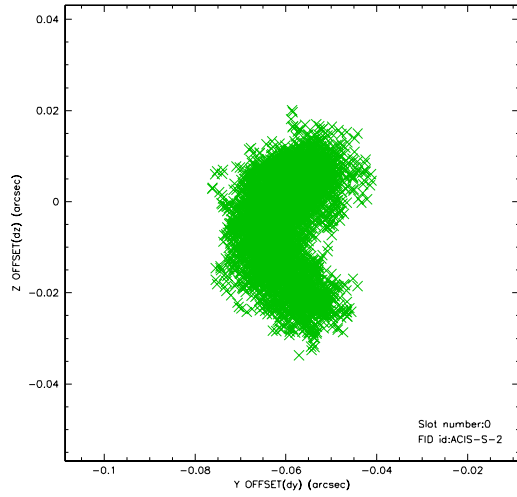


## 2.4.5 Slot 7

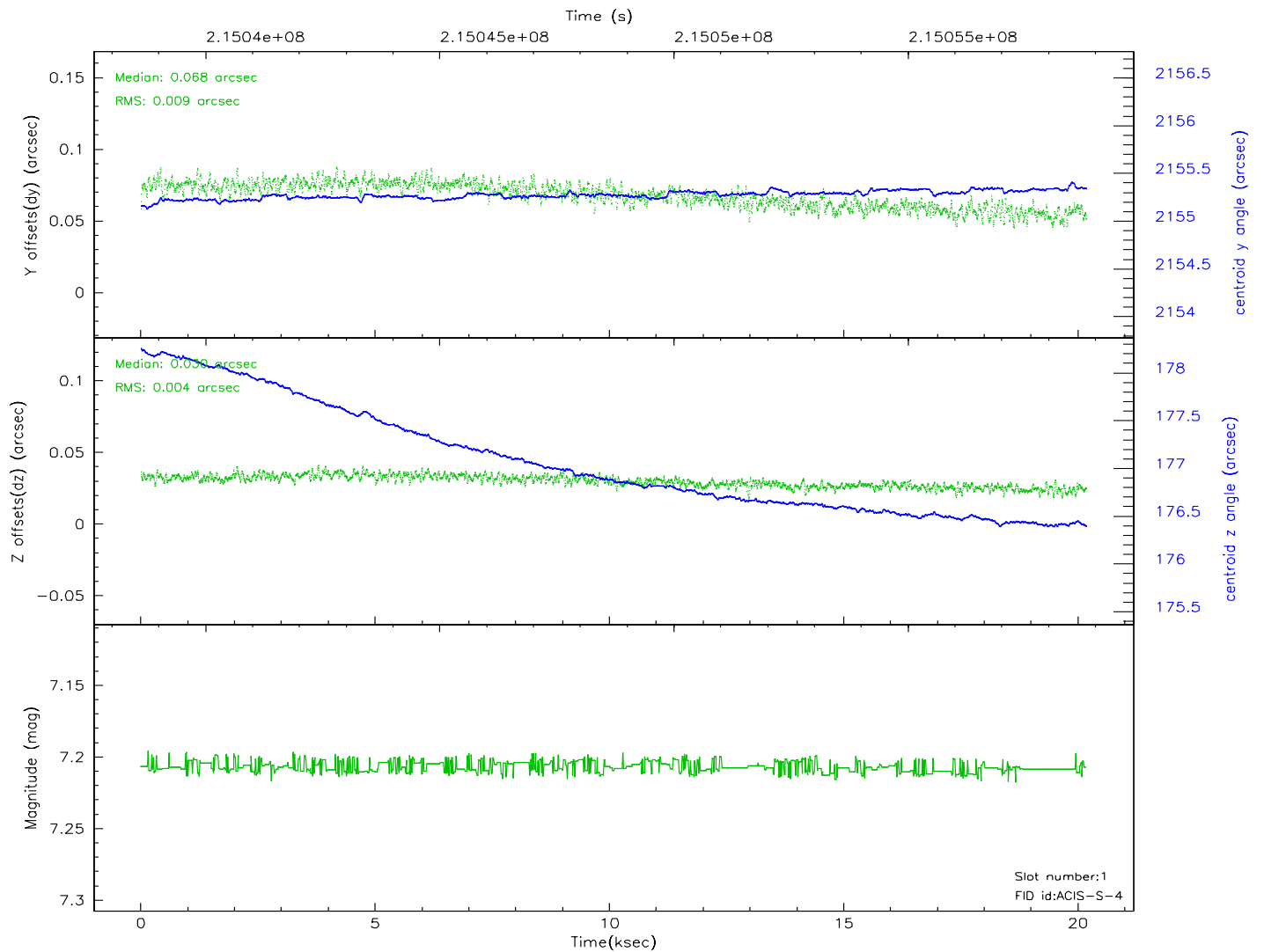
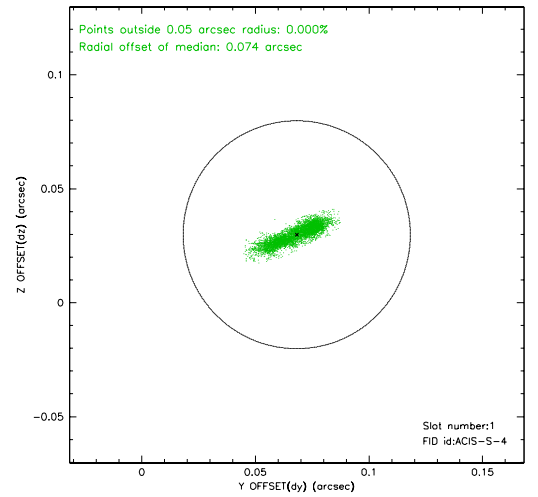
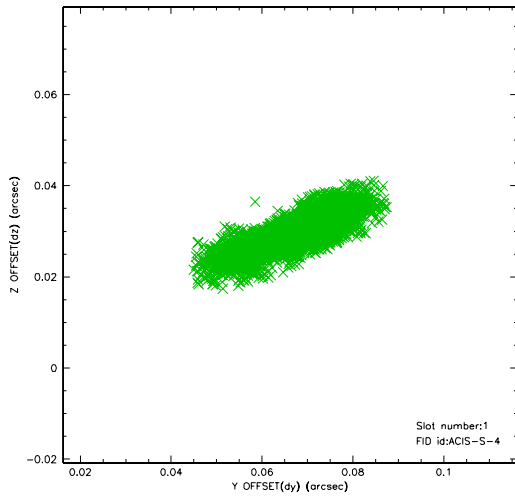


## 2.5 FID Slots

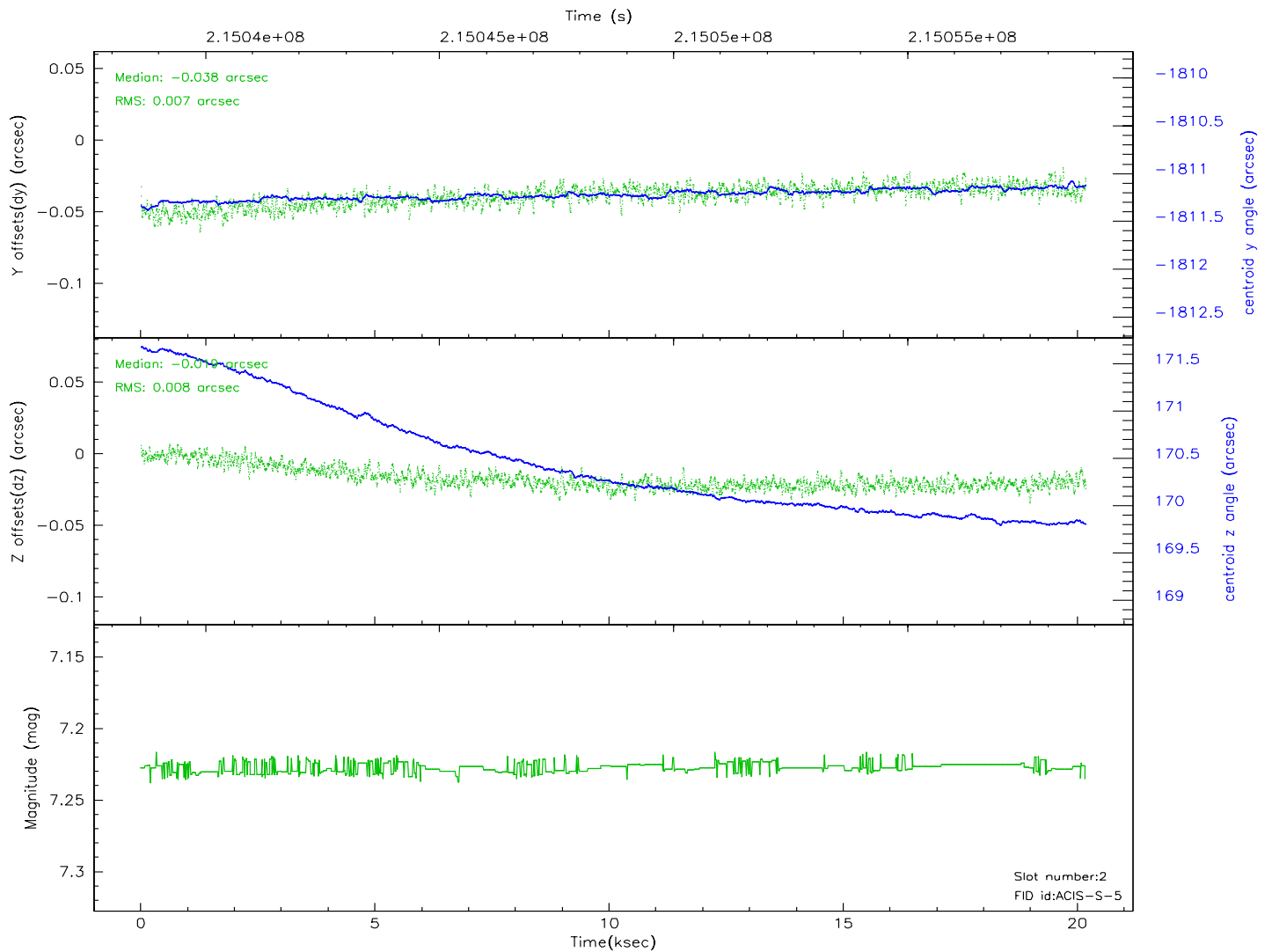
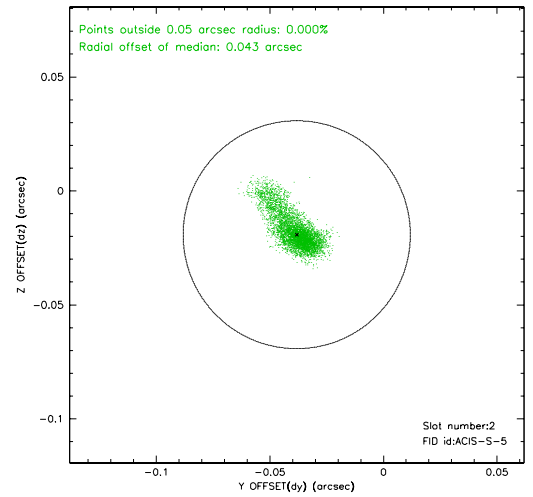
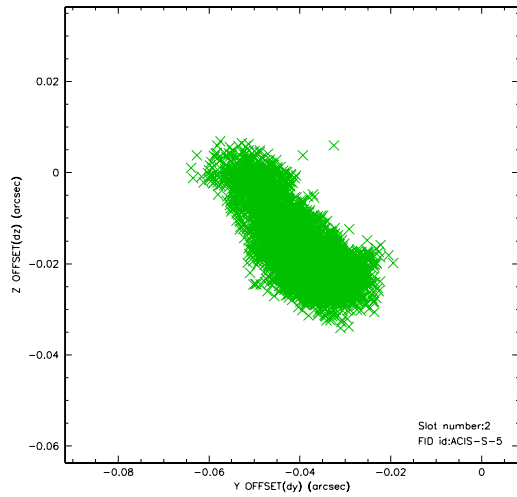
### 2.5.1 Slot 0



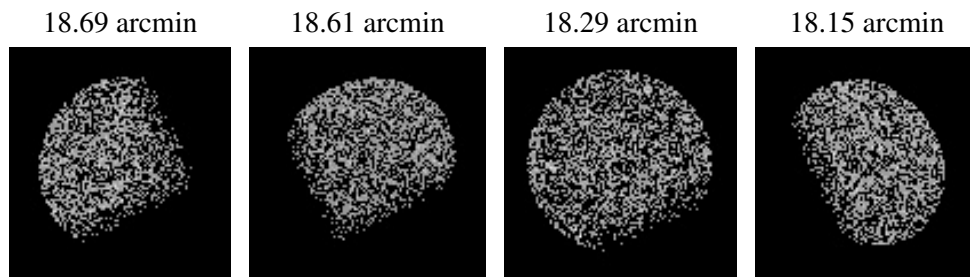
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.179

## A.2 Comments