

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 3200 - L2 Version 001  
Chandra X-Ray Center

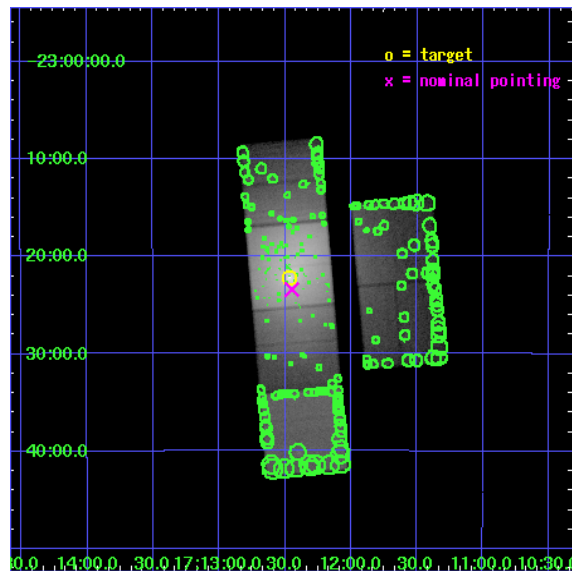
L2 Processing Date : Oct 7 2006

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# 1 Front

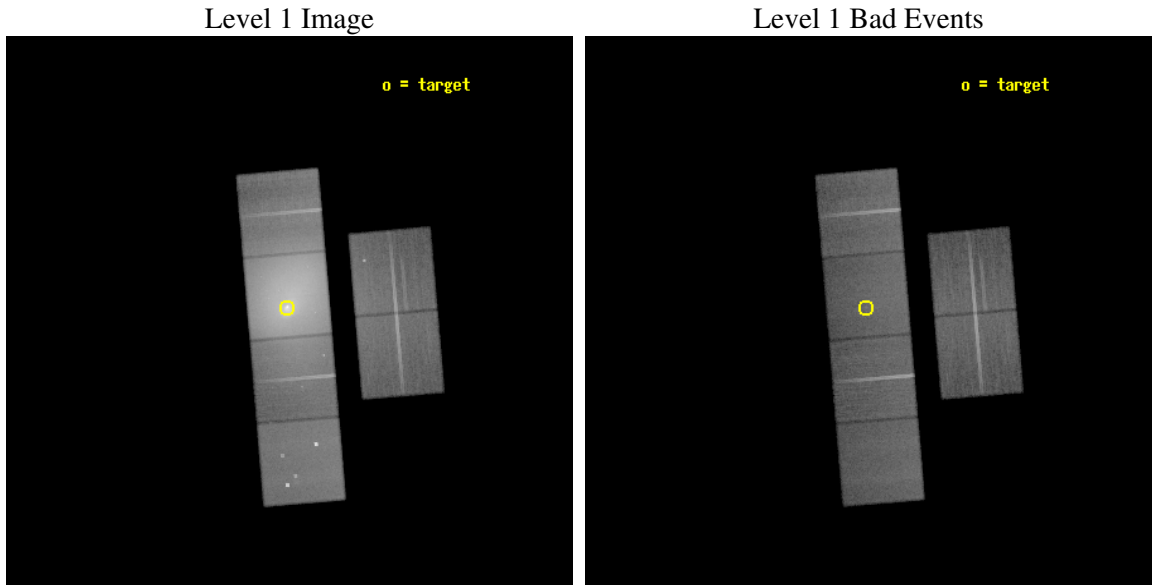
seq_num	800200
obs_id	3200
title	CHANDRA OBSERVATION OF THE COMPRESSED WARM INTERSTELLAR MEDIUM IN THE OPHIUCHUS CD GALAXY
observer	Dr Alexey Vikhlinin
object	OPHIUCHUS CLUSTER
dtcycle	0
cycle	P
ra_targ	258.115833
dec_targ	-23.369861
ra_nom	258.11204875176
dec_nom	-23.390338398792
roll_nom	265.14782762096
revision	2
ontime	51180.799809337
livetime	50532.717704773
ontime2	51174.317878783
ontime3	51177.558849096
ontime5	51180.799809337
ontime6	51180.799809337
ontime7	51180.799809337
ontime8	51177.558849066
l2events	2339547



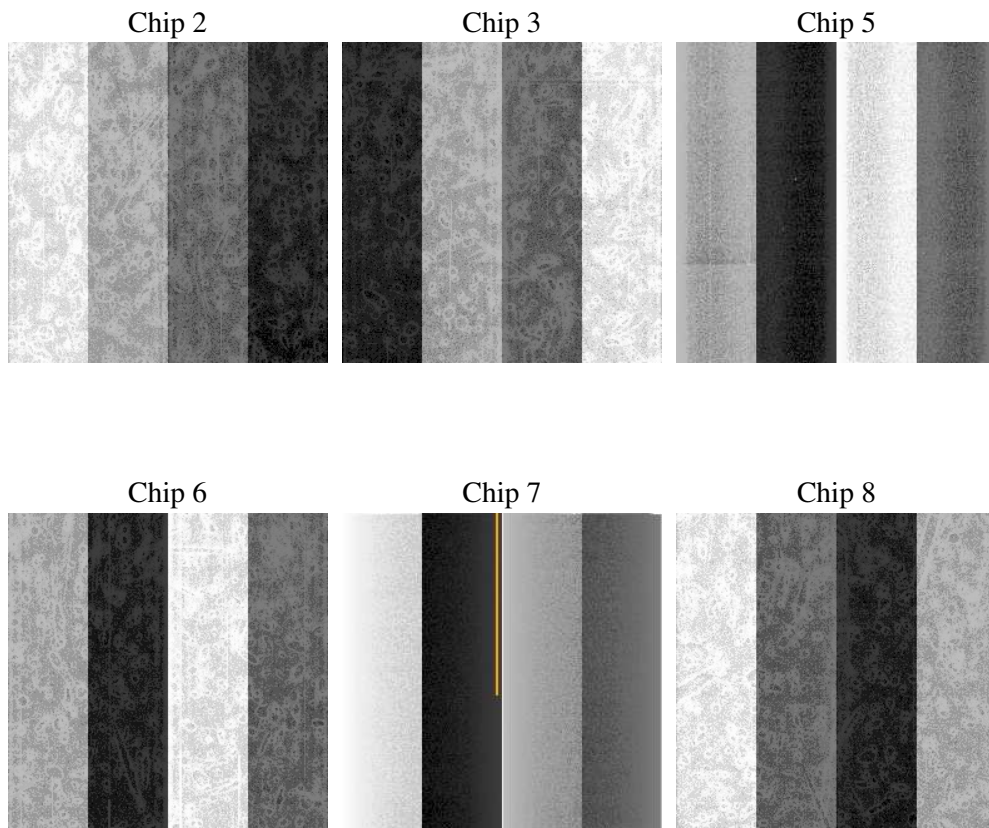
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-07T12:57:28
revision	2

sched_exp_time	51220.000000
ontime	51185.095495433
ontime2	51178.613564879
ontime3	51181.854535192
ontime5	51185.095495433
ontime6	51185.095495433
ontime7	51185.095495433
ontime8	51181.854535162
l1events	4148543

### 2.1.4 Events

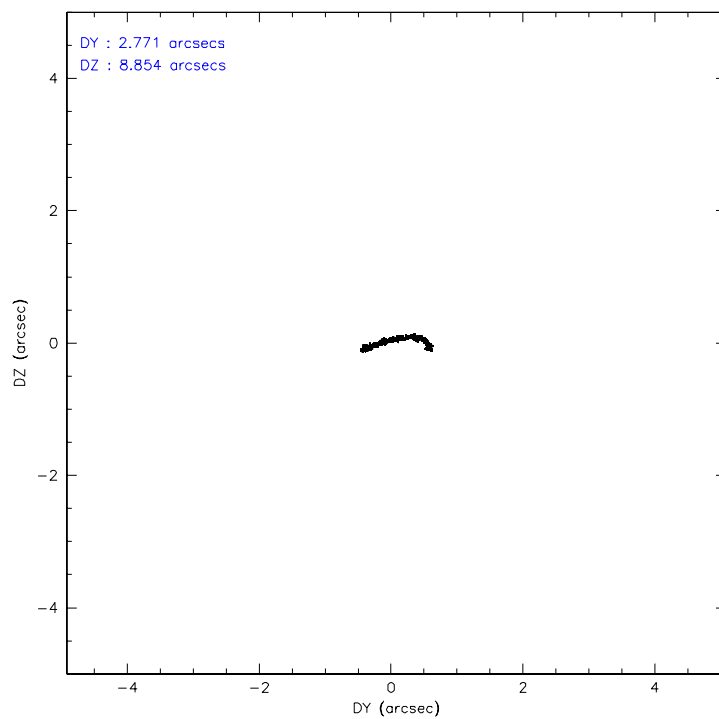
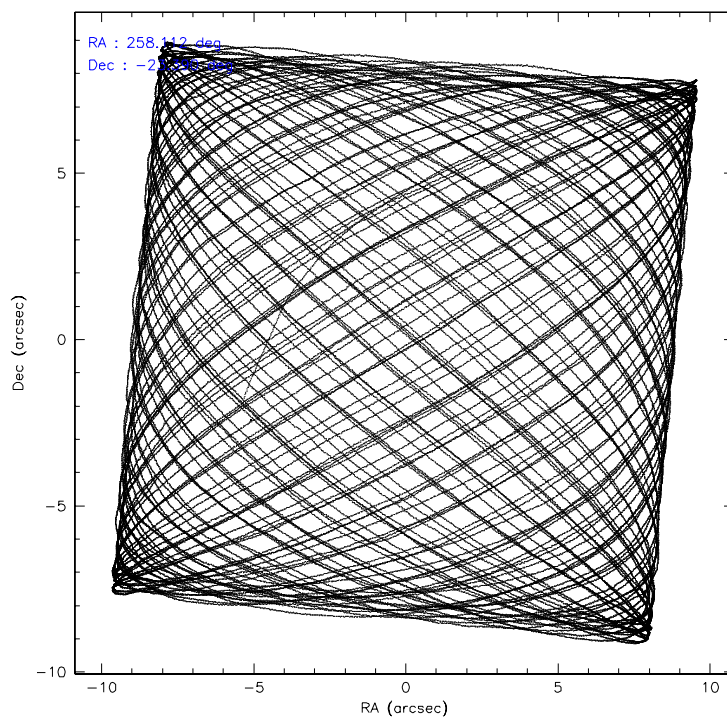
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	366682	378924	504855	550554	1772225	575303
rejected events	279629	267920	252466	281714	274571	312200
rejected %	76%	70%	50%	51%	15%	54%

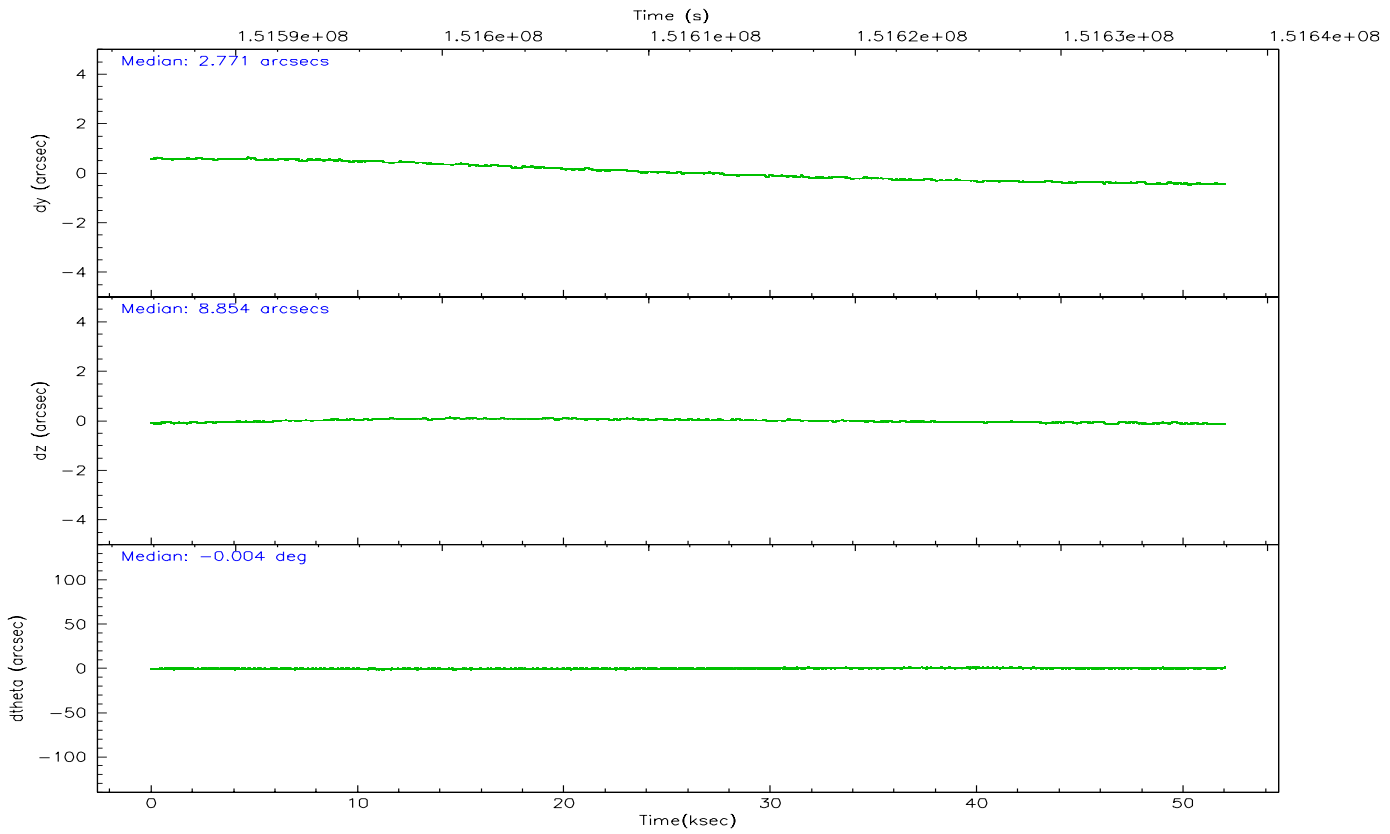
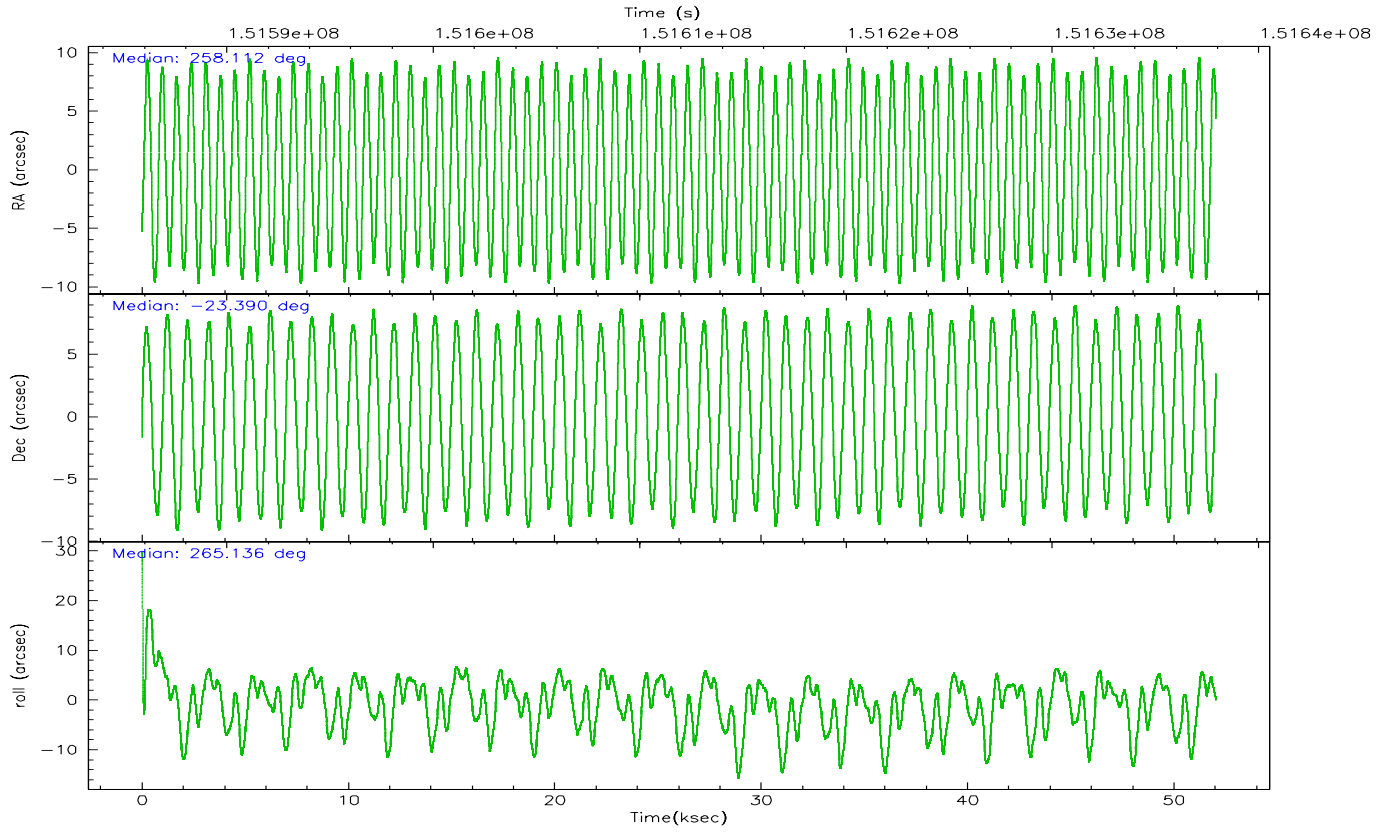
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	56352	75474	39899	197722	316403	170433
	15%	19%	7%	35%	17%	29%
grade 1 events	386	448	438	849	532	833
	0%	0%	0%	0%	0%	0%
grade 2 events	12842	14727	77849	32999	429420	36509
	3%	3%	15%	5%	24%	6%
grade 3 events	5211	6223	7183	11336	148545	15271
	1%	1%	1%	2%	8%	2%
grade 4 events	5172	6156	7067	11341	146399	14620
	1%	1%	1%	2%	8%	2%
grade 5 events	11916	13218	22181	14658	36543	18584
	3%	3%	4%	2%	2%	3%
grade 6 events	7482	8429	120405	15457	456979	26285
	2%	2%	23%	2%	25%	4%
grade 7 events	267321	254249	229833	266192	237404	292768
	72%	67%	45%	48%	13%	50%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	258.099092	258.112048751757	Subarray requested	NONE	NONE
Pointing Dec	-23.365837	-23.3903383987916	Alternating exposures requested	N	N
Pointing Roll	264.986051	265.1478276209622	Primary exposure time	0.000000	3.2
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
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	151586715.184000	151585433.60979			
Observation start date	2002-10-21T11:24:11	2002-10-21T11:03:53			
Observation end time	151637935.184000	151638978.58701			
Observation end date	2002-10-22T01:37:51	2002-10-22T01:56:18			
Read mode	TIMED	TIMED			

## 2.3 Aspect



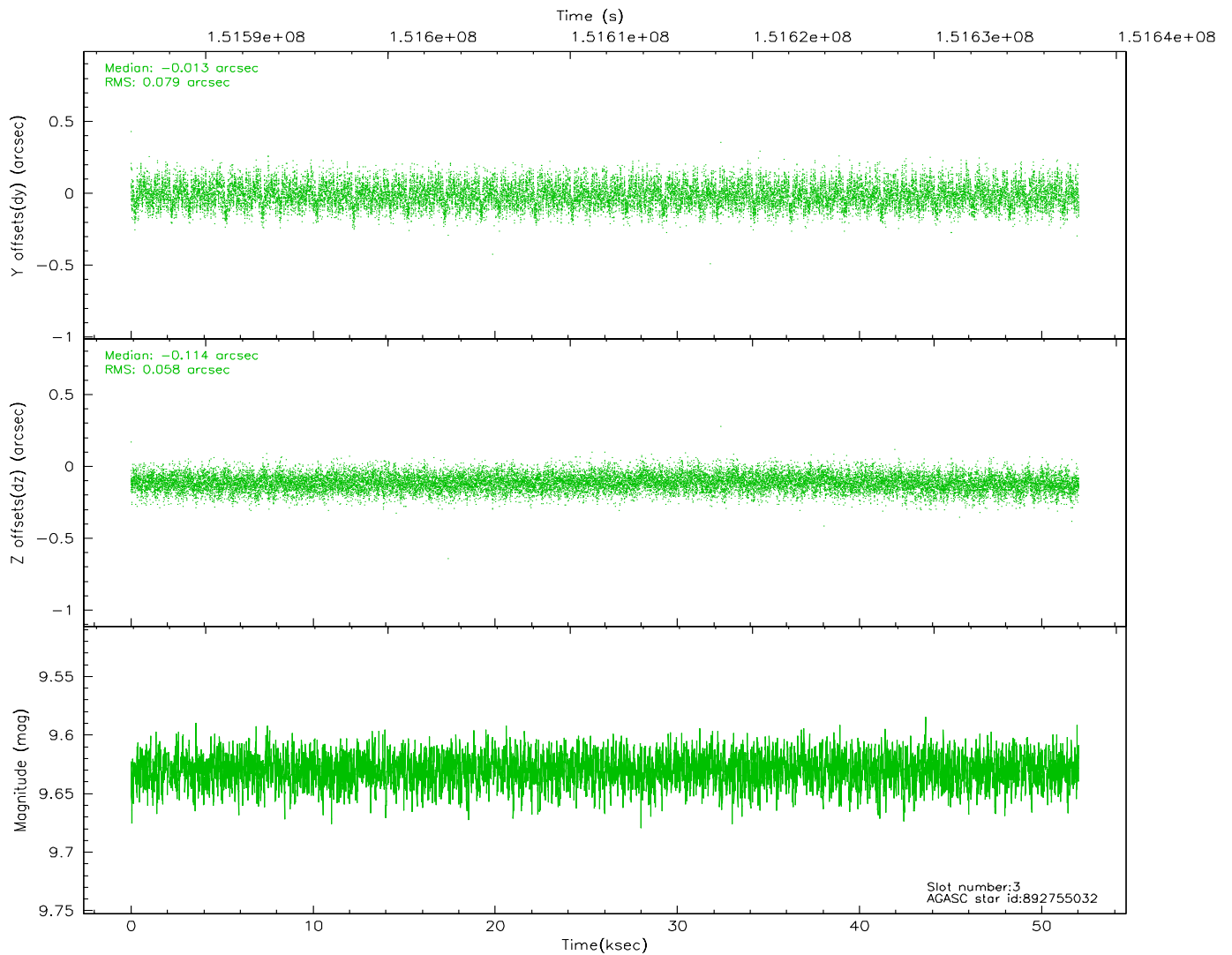
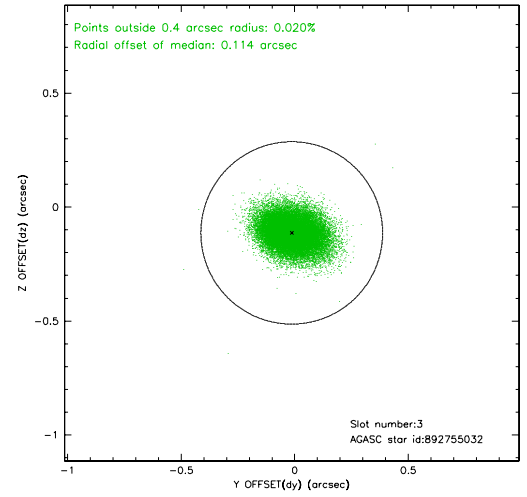
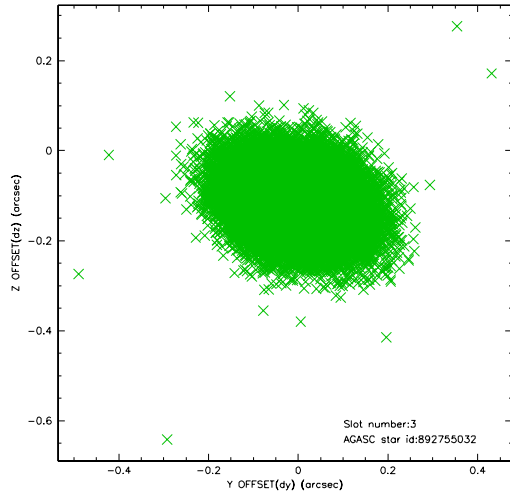


### Slot Statistics

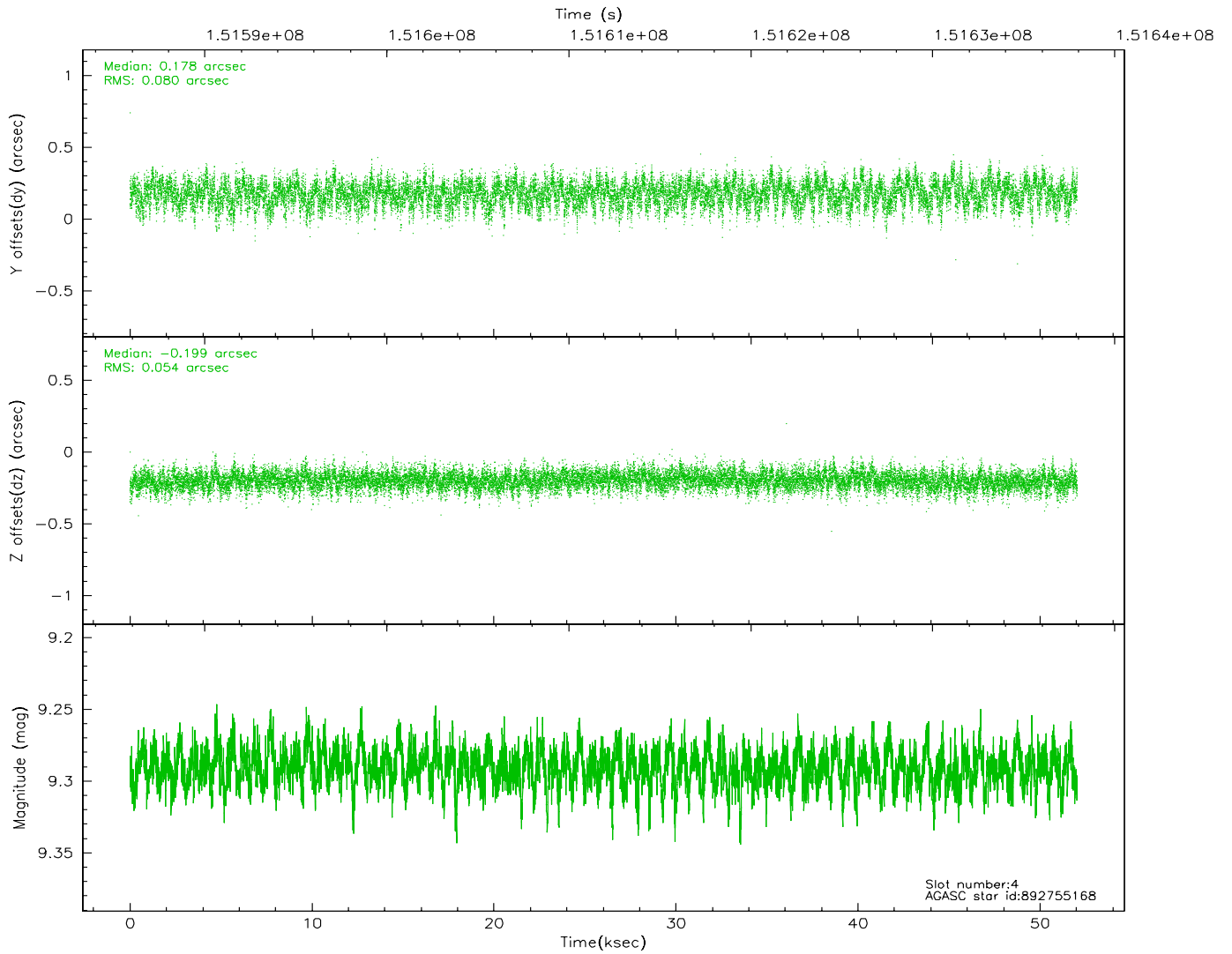
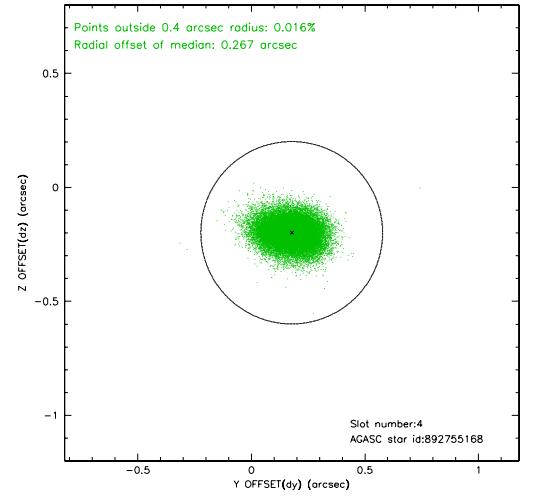
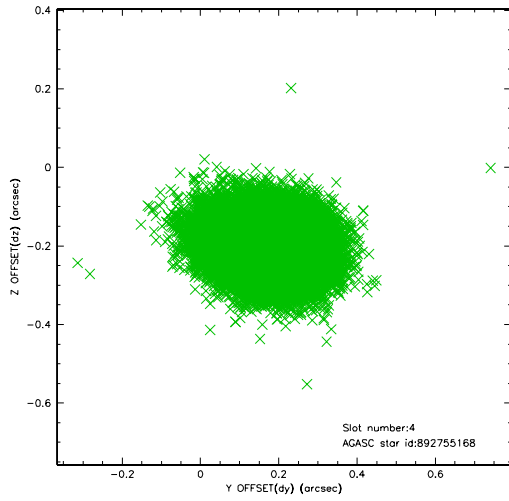
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	12695	-0.009	0.015	0.010	0.019	0.000000	0.000000	-755.47	-1730.00
1	FID	ACIS-S-4	7.20	12693	-0.045	0.000	0.016	0.026	0.000000	0.000000	2157.78	178.49
2	FID	ACIS-S-5	7.24	12693	0.028	-0.007	0.016	0.024	0.000000	0.000000	-1808.31	172.13
3	GUIDE	892755032	9.63	25370	-0.013	-0.114	0.104	0.169	257.376947	-23.727636	1512.45	-2255.90
4	GUIDE	892755168	9.29	25374	0.178	-0.199	0.102	0.167	257.345207	-23.908184	2169.60	-2299.91
5	GUIDE	892864688	9.24	25375	-0.124	0.062	0.078	0.125	258.063716	-23.162547	-718.31	-180.30
6	GUIDE	892867008	9.38	25369	-0.232	0.047	0.105	0.175	258.425094	-23.424847	118.68	1091.94
7	GUIDE	892867776	8.51	25385	0.190	0.203	0.078	0.148	258.697515	-24.060278	2322.86	2179.78

## 2.4 Star Slots

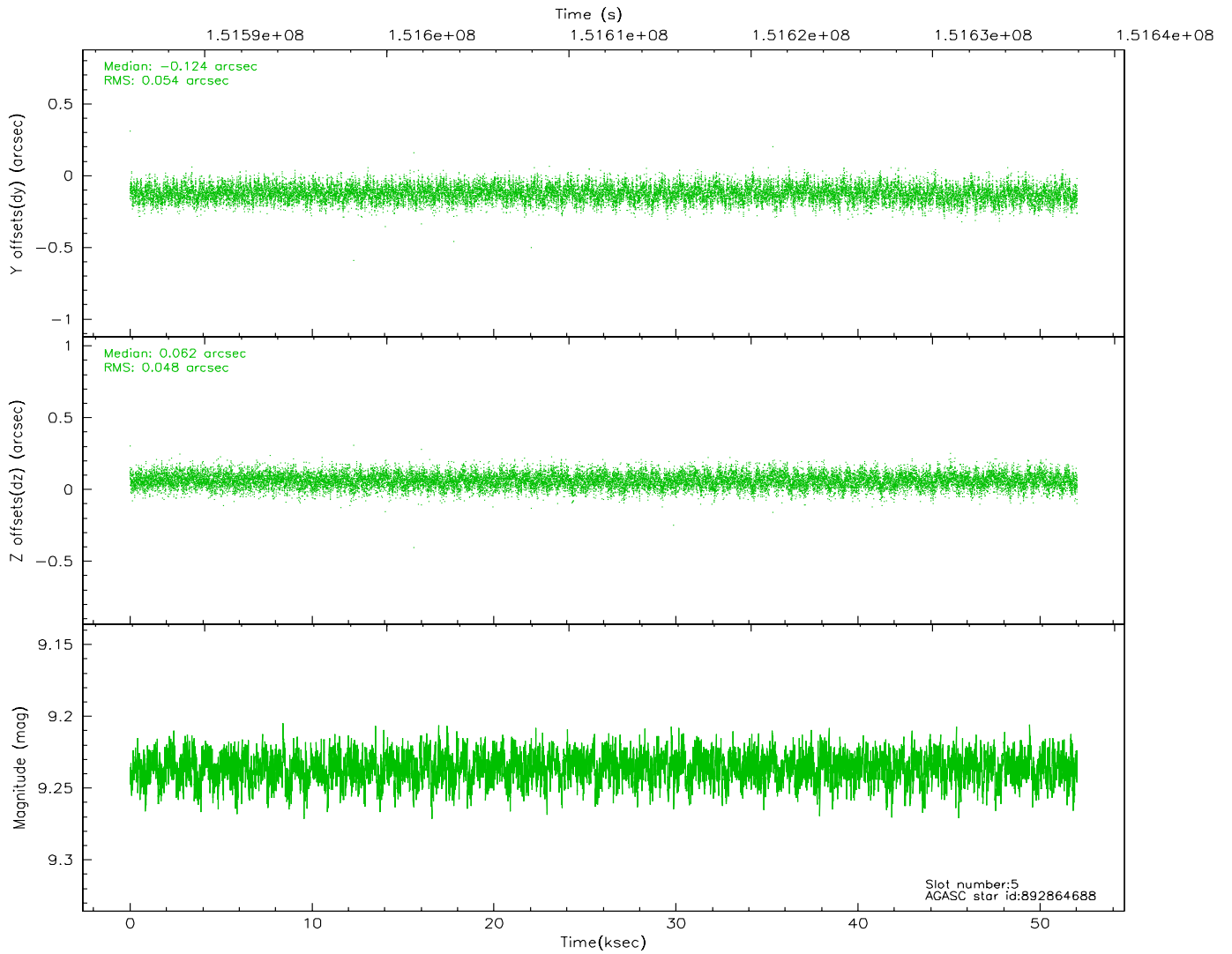
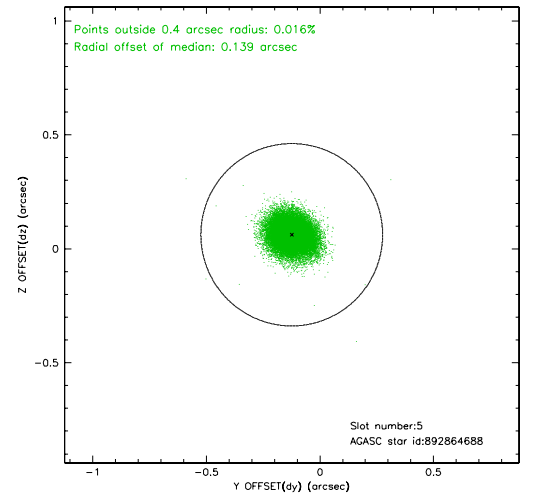
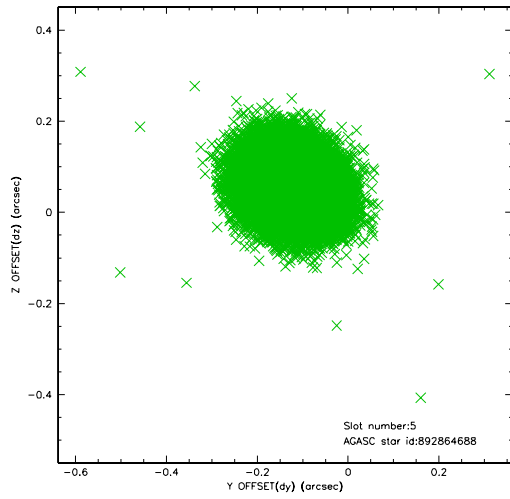
### 2.4.1 Slot 3



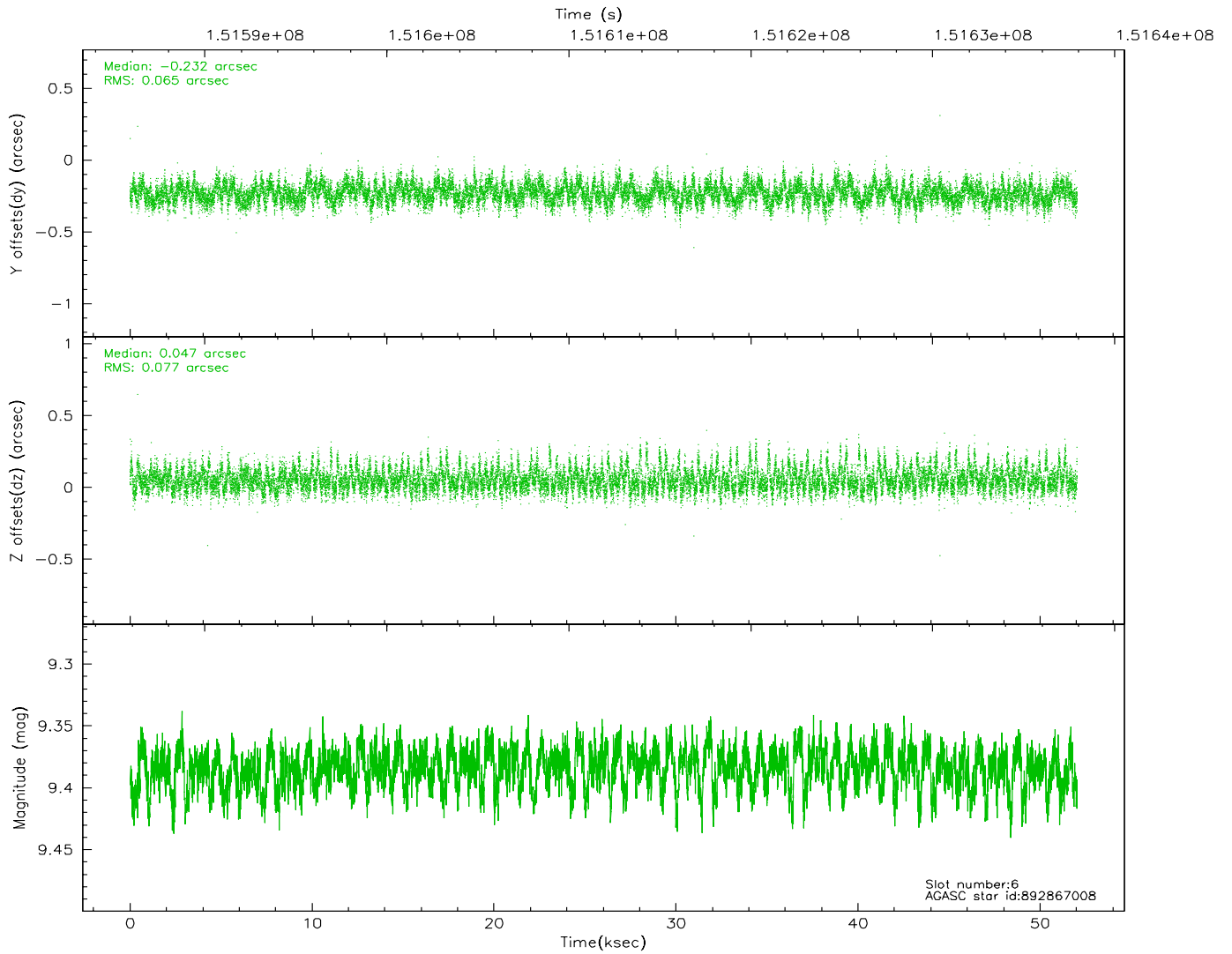
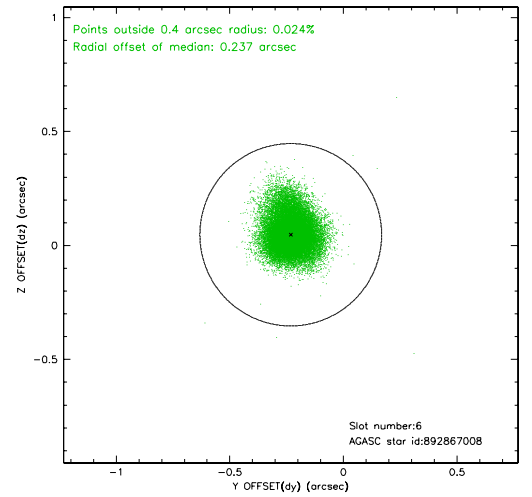
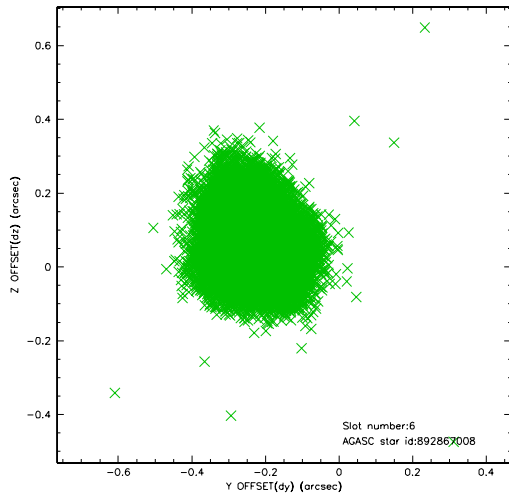
## 2.4.2 Slot 4



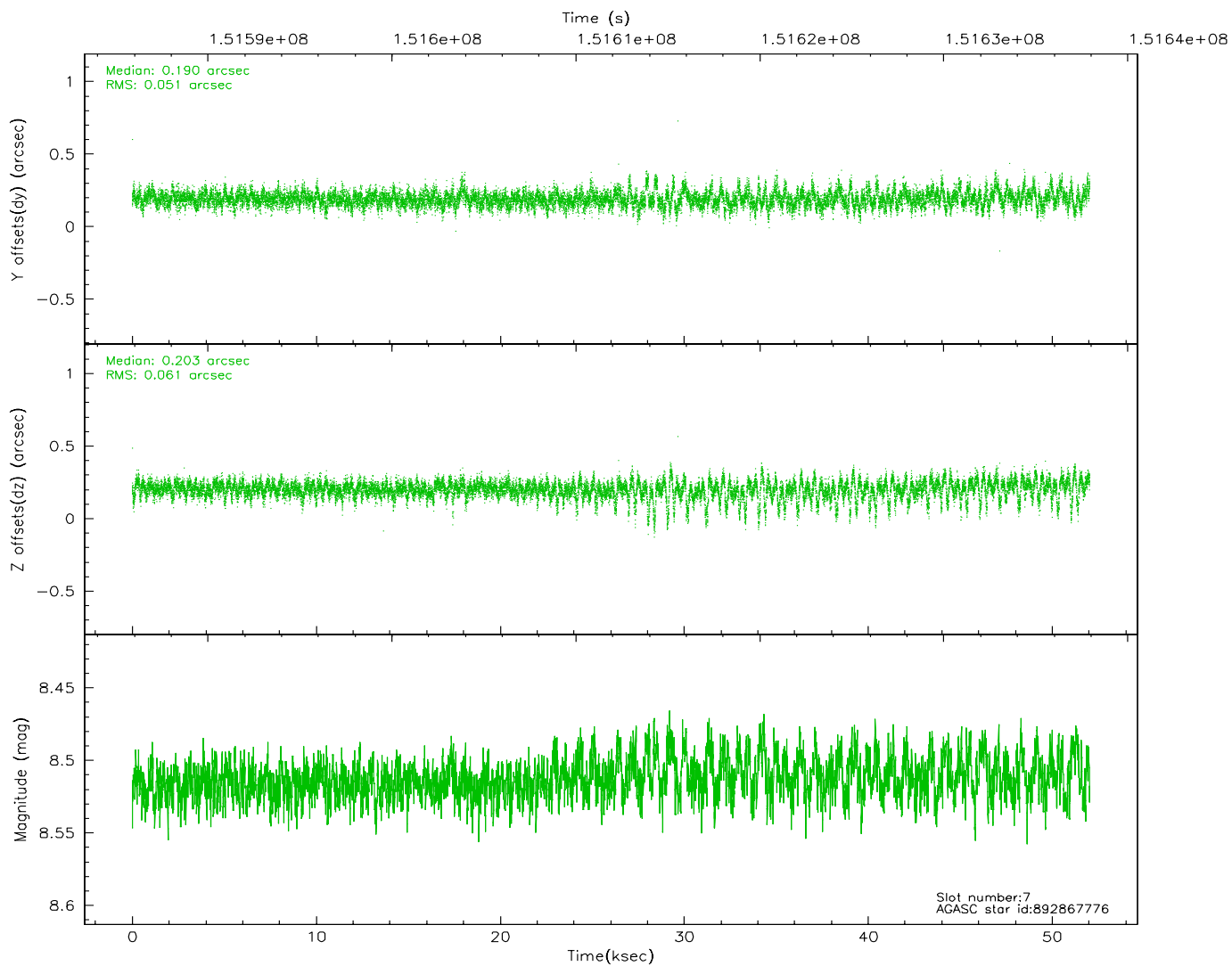
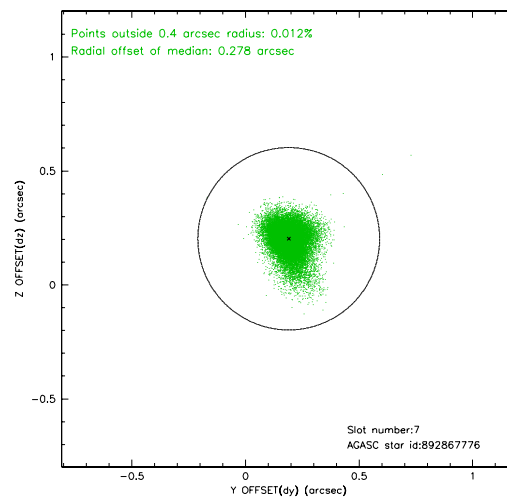
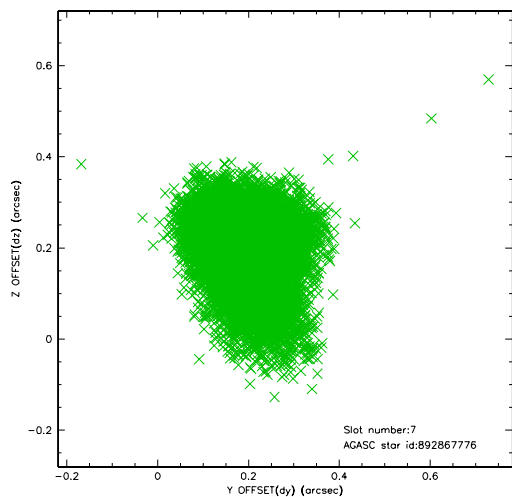
### 2.4.3 Slot 5



### 2.4.4 Slot 6

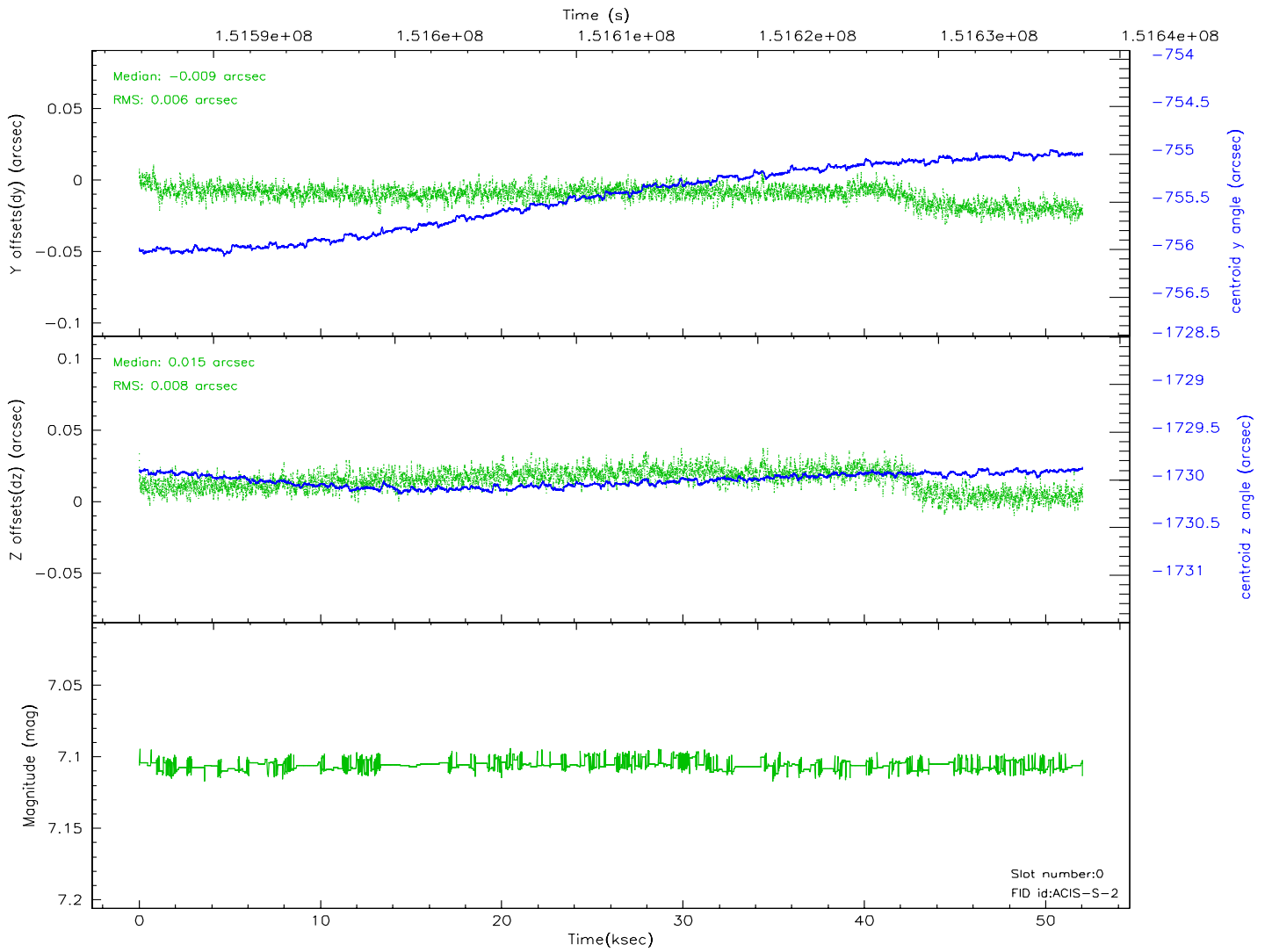
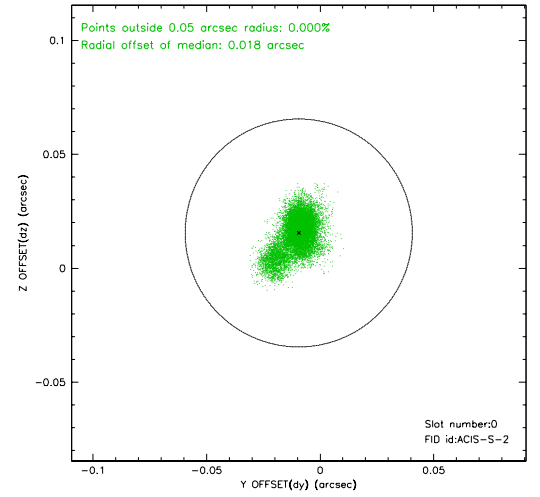
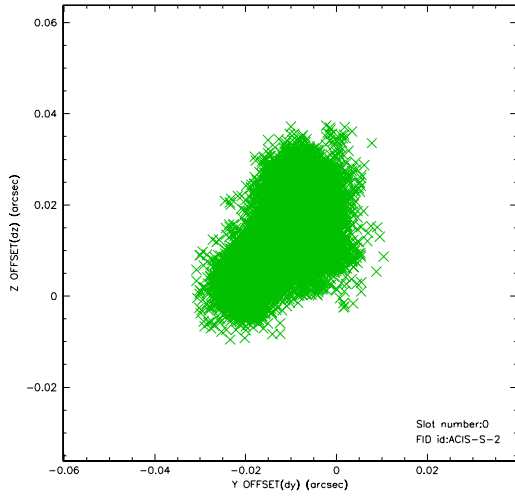


## 2.4.5 Slot 7

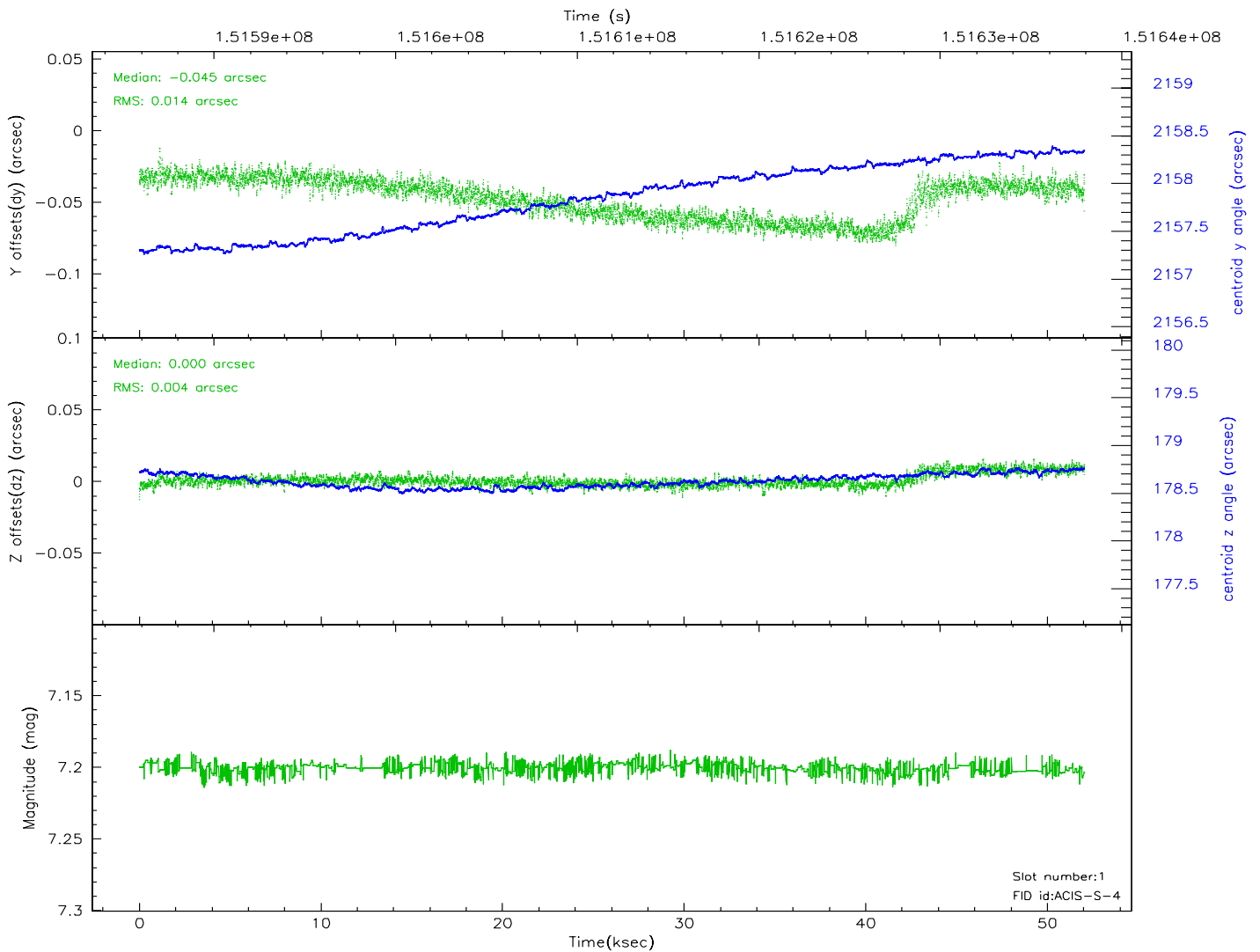
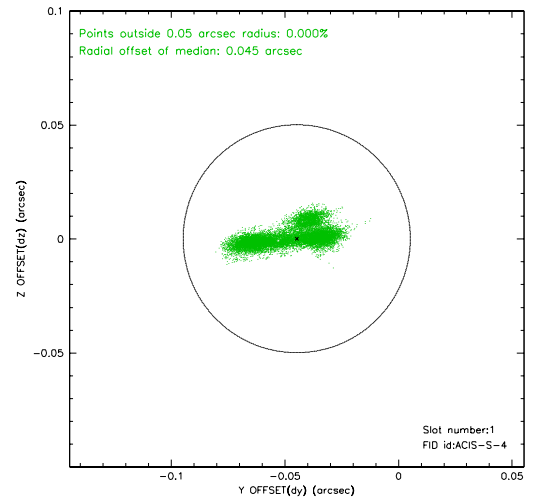
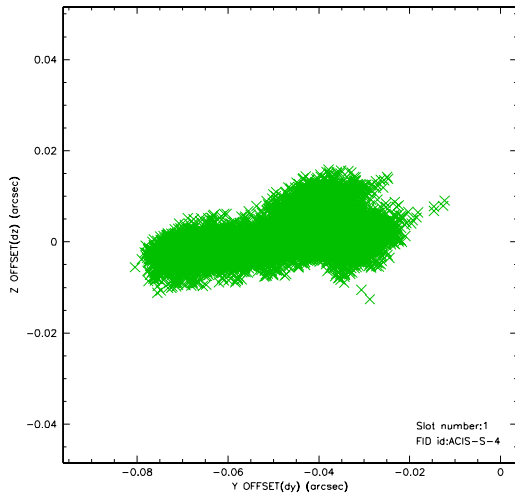


## 2.5 FID Slots

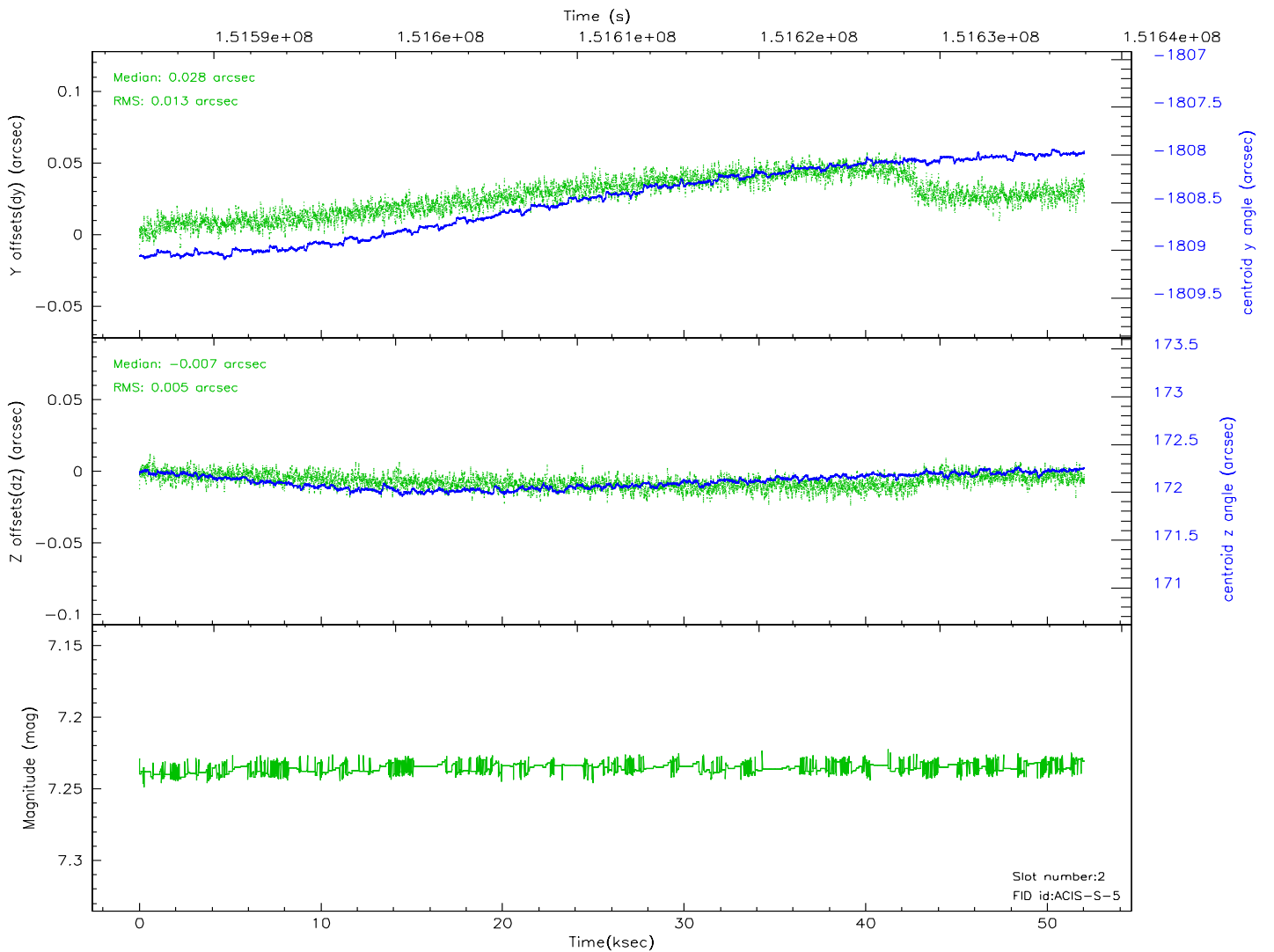
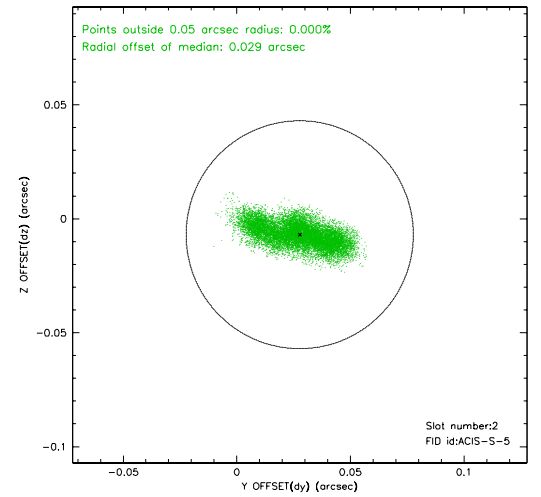
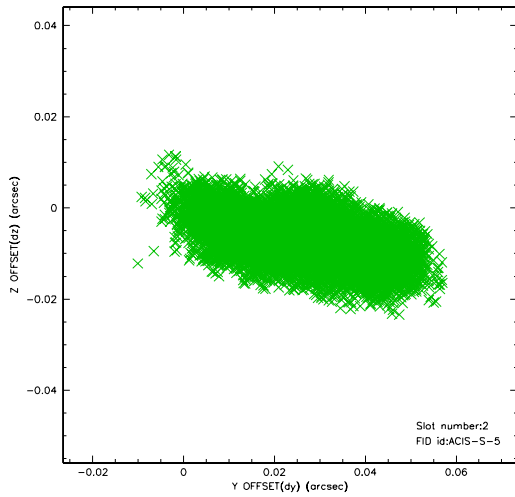
### 2.5.1 Slot 0



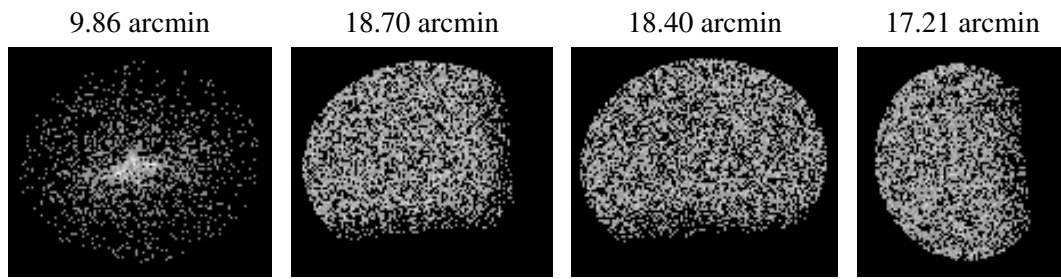
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	51.18

## A.2 Comments