

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2197 - L2 Version 001  
Chandra X-Ray Center

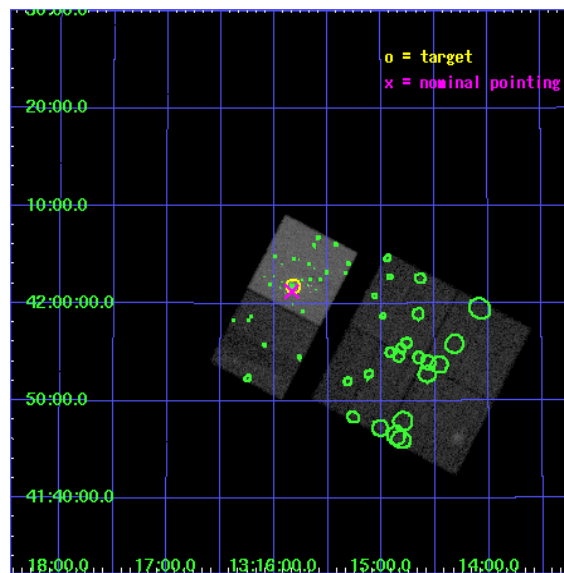
L2 Processing Date : Dec 21 2006

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# 1 Front

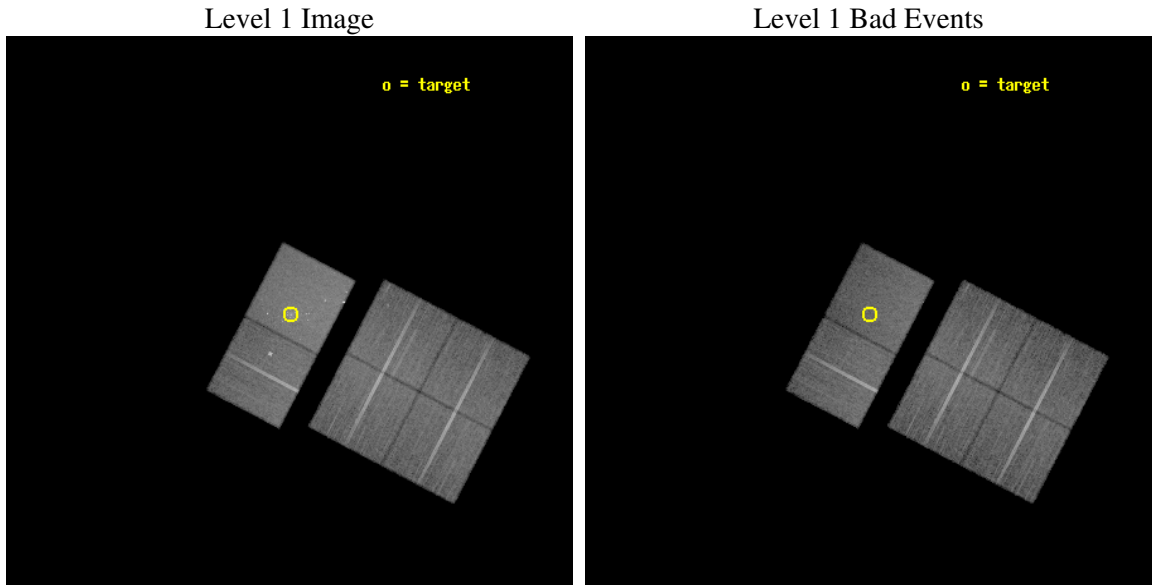
seq_num	700387
obs_id	2197
title	CHANDRA OBSERVATIONS OF NEARBY LLAGN: STARBURSTS OR AGNS ?
observer	Dr. Andreas Zezas
object	NGC 5055
dtcycle	0
cycle	P
ra_targ	198.955
dec_targ	42.030278
ra_nom	198.95893220097
dec_nom	42.020976048688
roll_nom	297.63639904095
revision	2
ontime	28355.200026408
livetime	27996.149410222
ontime0	28351.959096059
ontime1	28351.959096059
ontime2	28348.718085989
ontime3	28355.200026408
ontime6	28348.718135804
ontime7	28355.200026408
l2events	200112



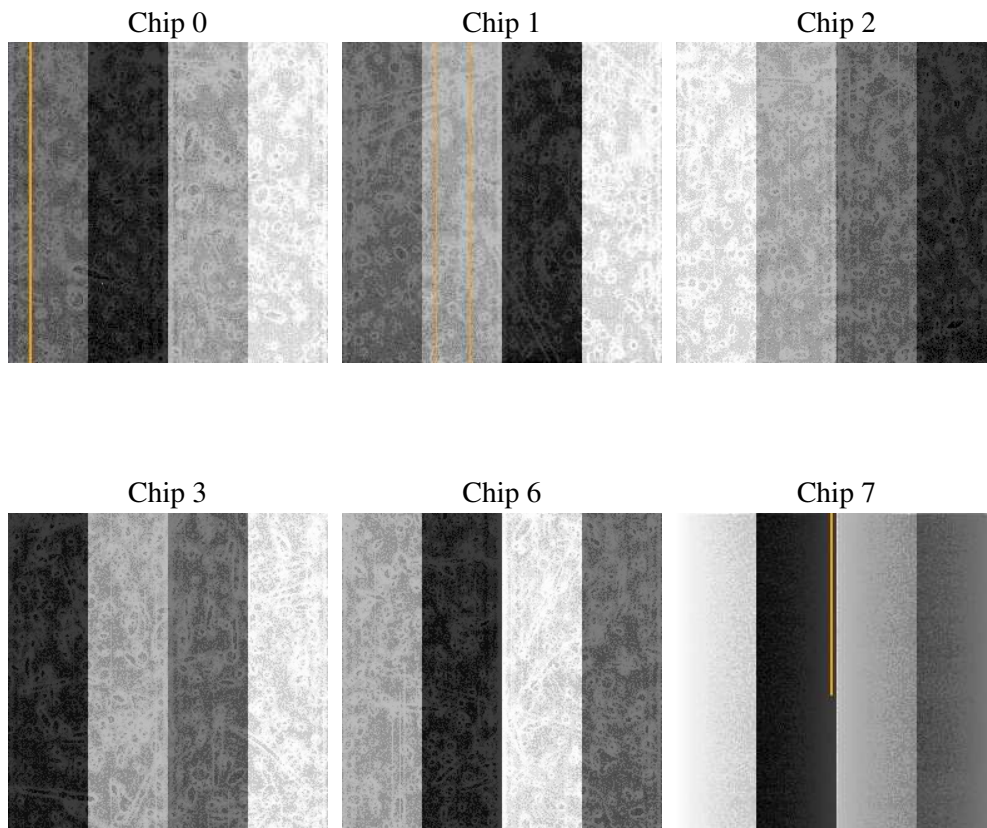
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-12-21T22:14:13
revision	2

sched_exp_time	28405.000000
ontime	28358.72250019
ontime0	28355.481569842
ontime1	28358.72258991
ontime2	28352.240559772
ontime3	28358.72250019
ontime6	28352.240609586
ontime7	28358.72250019
l1events	1132782

### 2.1.4 Events

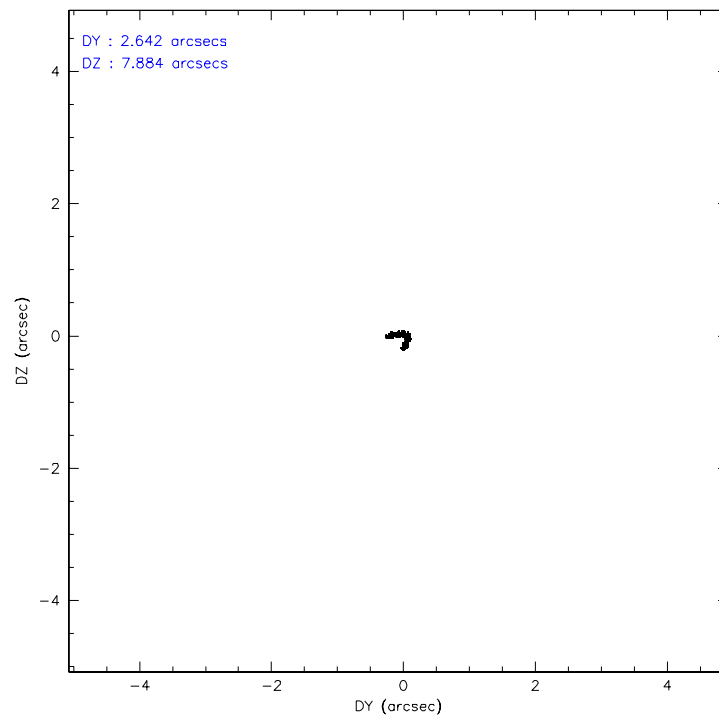
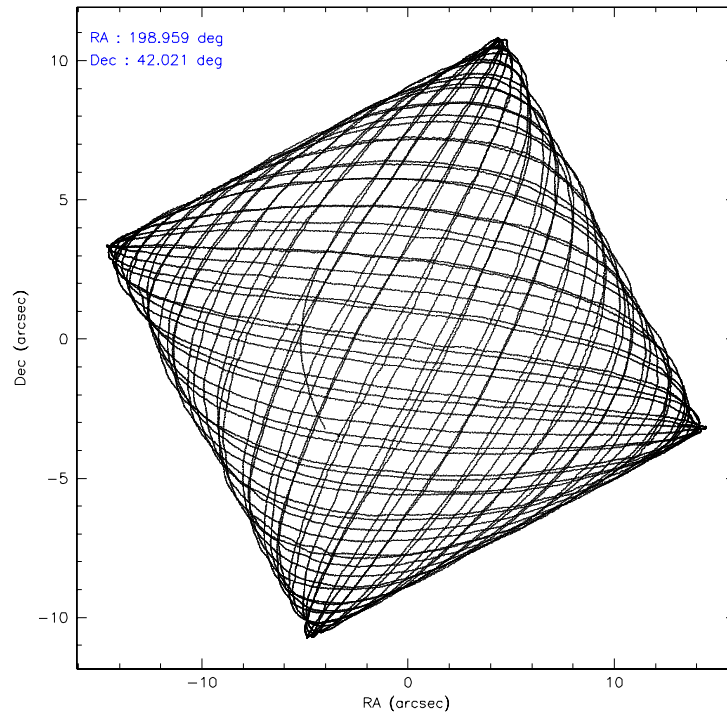
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	172499	165758	182713	181523	188188	242101
rejected events	148482	142051	160194	158937	162511	139477
rejected %	86%	85%	87%	87%	86%	57%

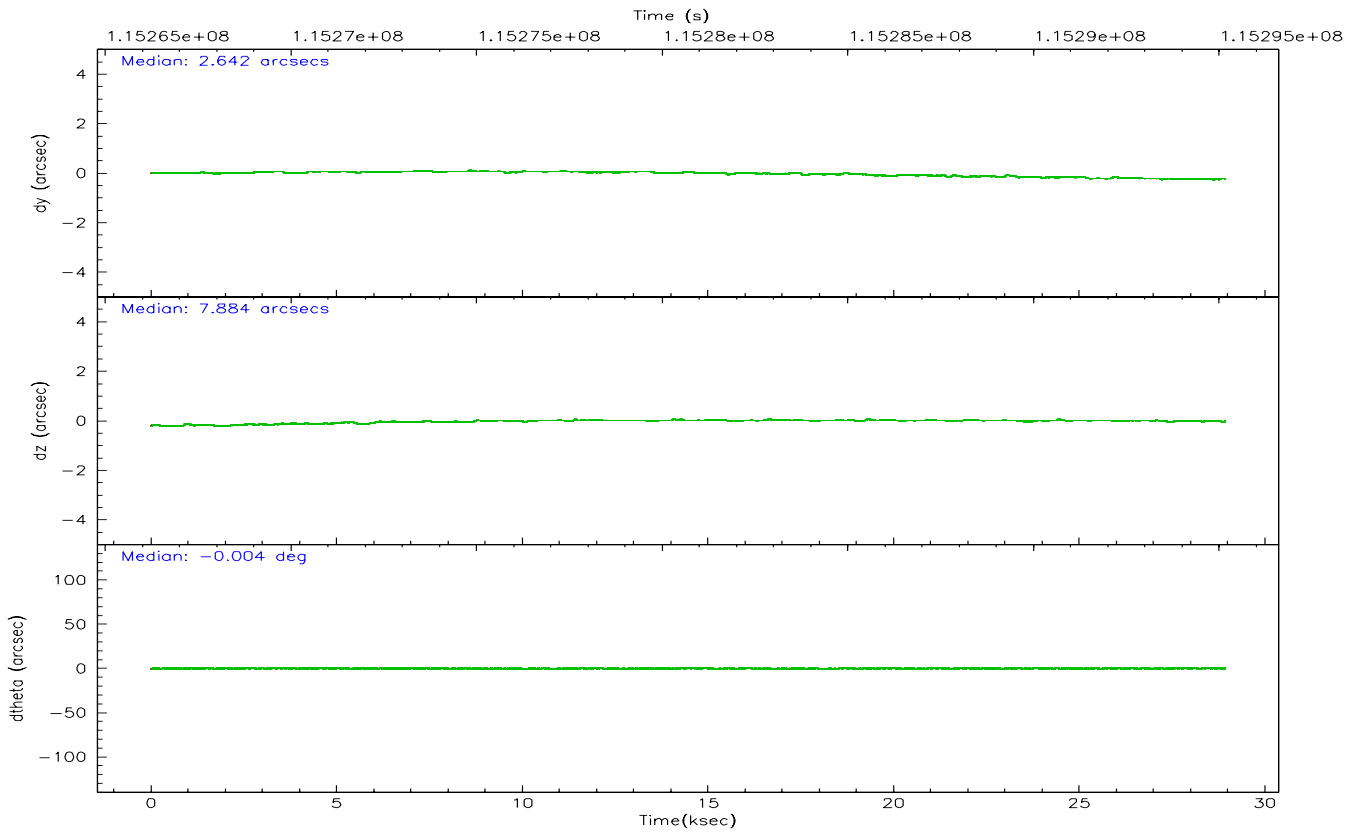
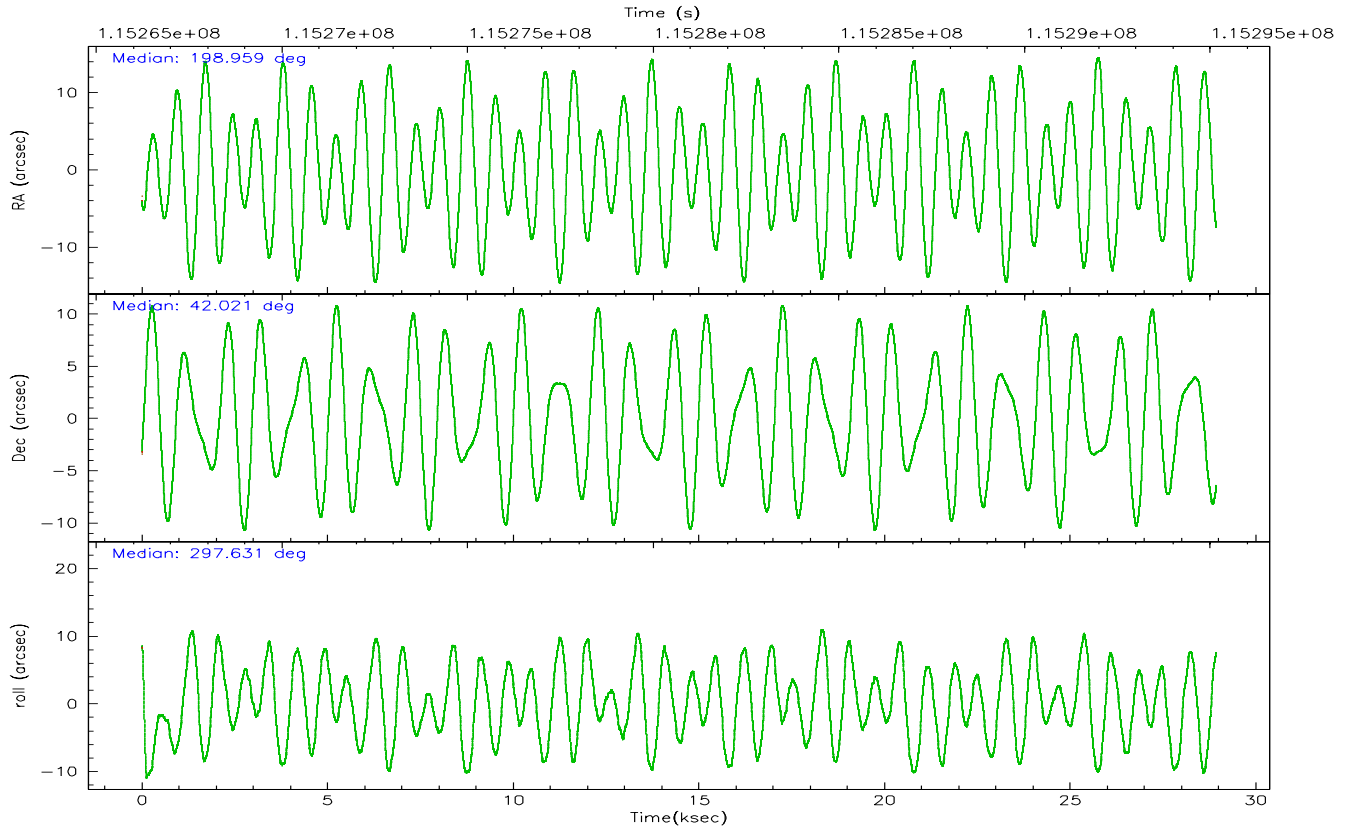
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	10326	9745	9658	9648	11898	9913
	5%	5%	5%	5%	6%	4%
grade 1 events	86	105	87	75	122	153
	0%	0%	0%	0%	0%	0%
grade 2 events	5281	5139	5015	4848	5144	25285
	3%	3%	2%	2%	2%	10%
grade 3 events	2149	2251	1917	1996	2117	6090
	1%	1%	1%	1%	1%	2%
grade 4 events	2052	2223	2025	1991	2019	6213
	1%	1%	1%	1%	1%	2%
grade 5 events	6548	6550	5979	7017	7616	15885
	3%	3%	3%	3%	4%	6%
grade 6 events	4214	4354	3908	4105	4503	55132
	2%	2%	2%	2%	2%	22%
grade 7 events	141843	135391	154124	151843	154769	123430
	82%	81%	84%	83%	82%	50%

## 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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	198.927693	198.9589322009716	Subarray requested	NONE	NONE
Pointing Dec	42.035317	42.02097604868808	Alternating exposures requested	N	N
Pointing Roll	297.500683	297.6363990409502	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	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	115266764.184000	115265628.2629			
Observation start date	2001-08-27T02:31:40	2001-08-27T02:13:48			
Observation end time	115295169.184000	115295475.75158			
Observation end date	2001-08-27T10:25:05	2001-08-27T10:31:15			
Read mode	TIMED	TIMED			

## 2.3 Aspect



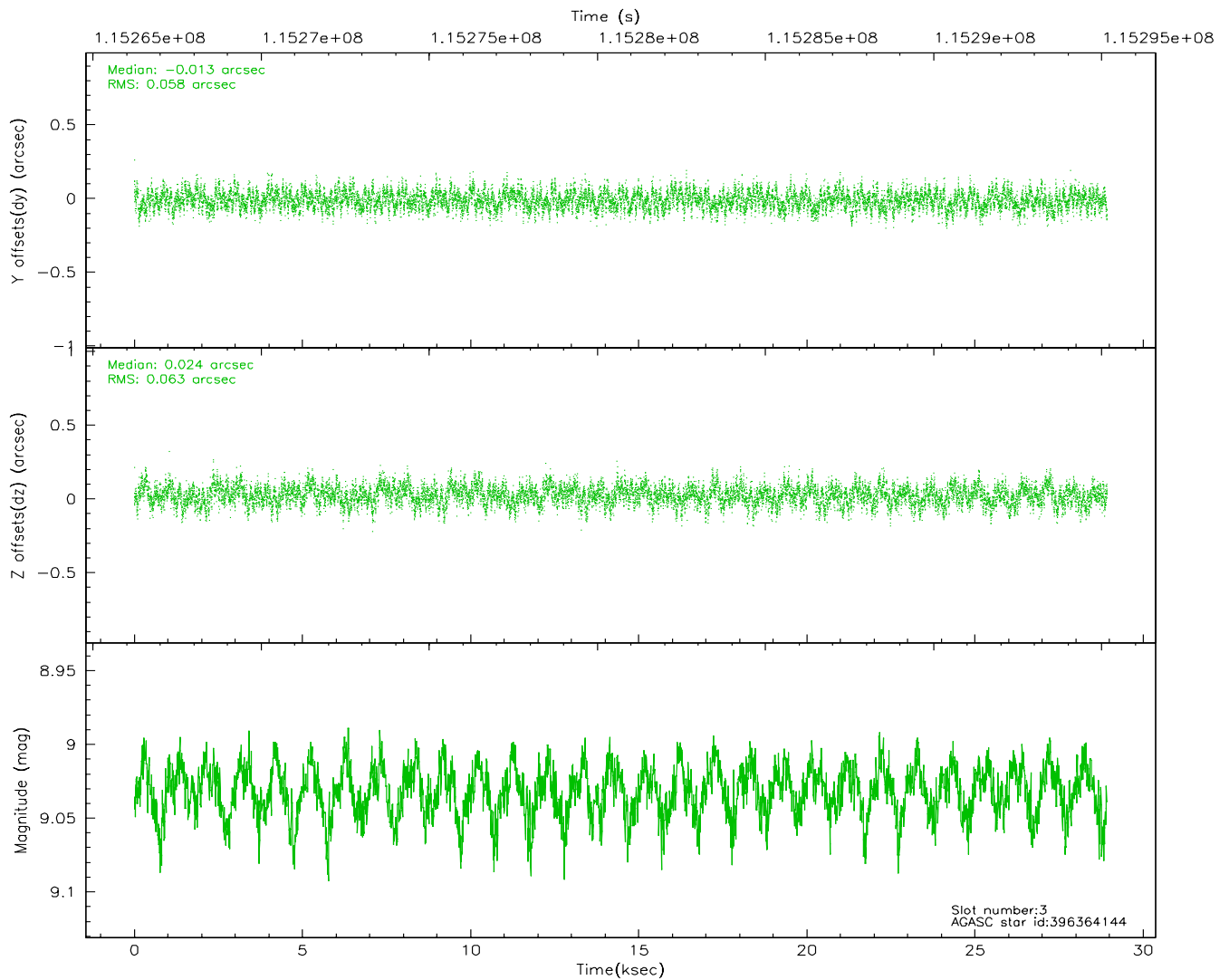
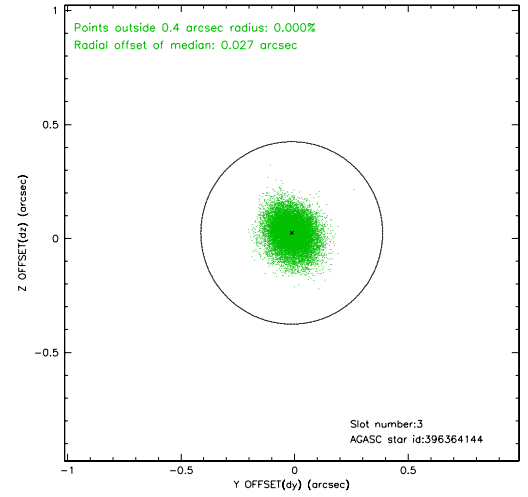
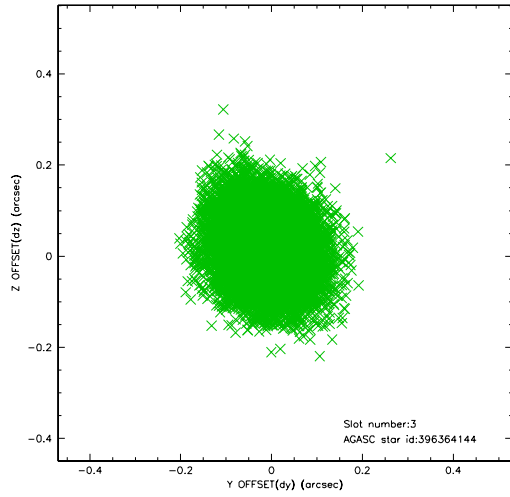


### Slot Statistics

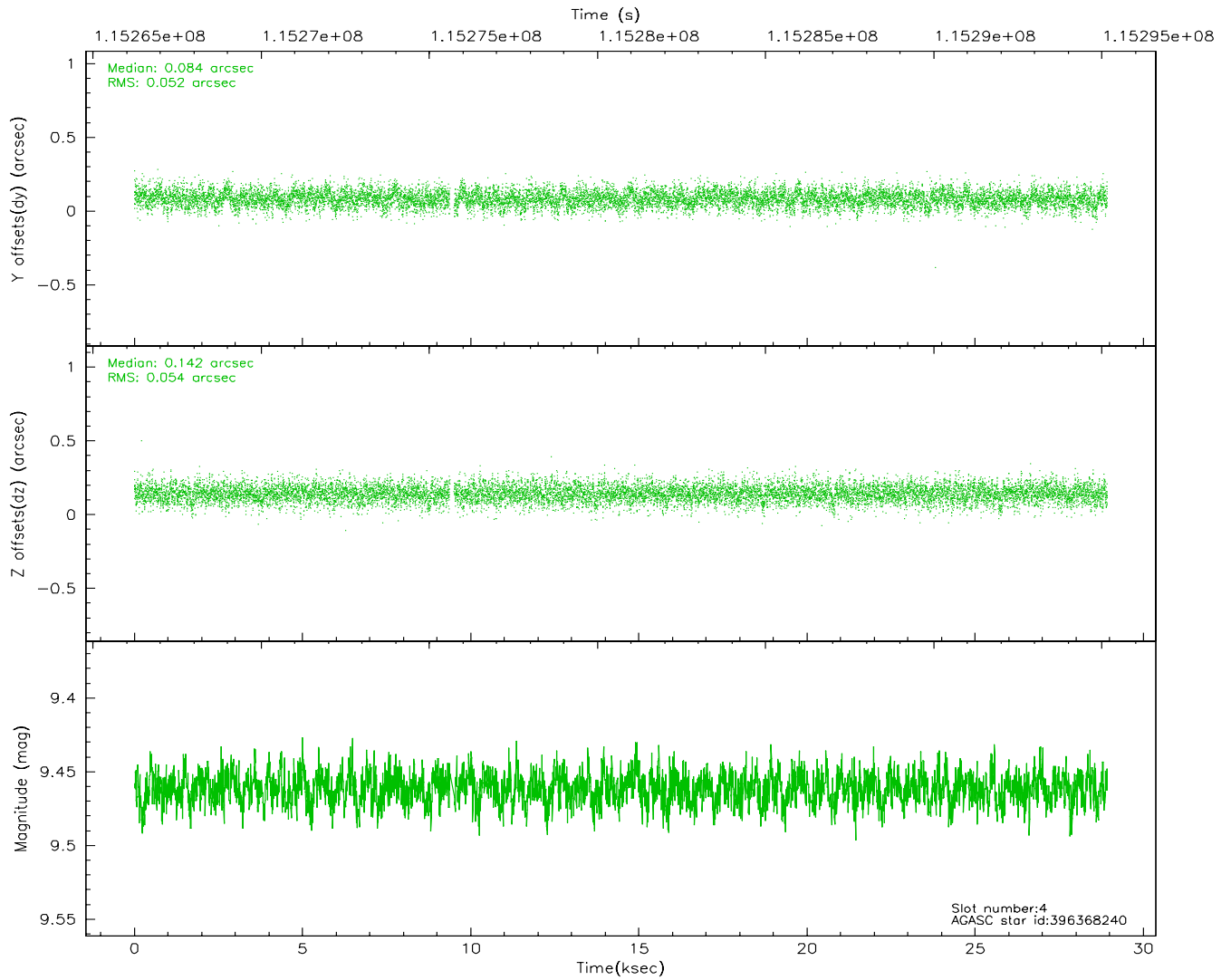
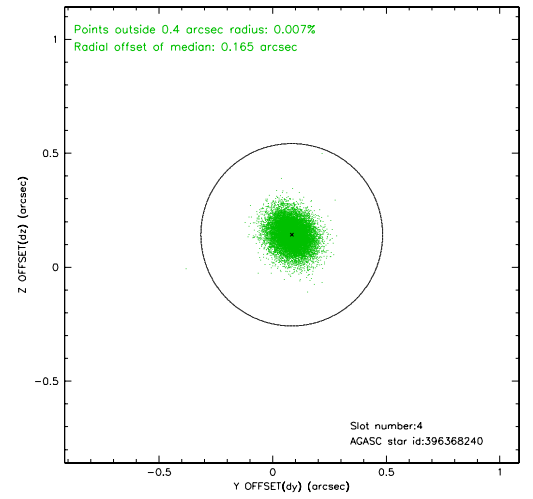
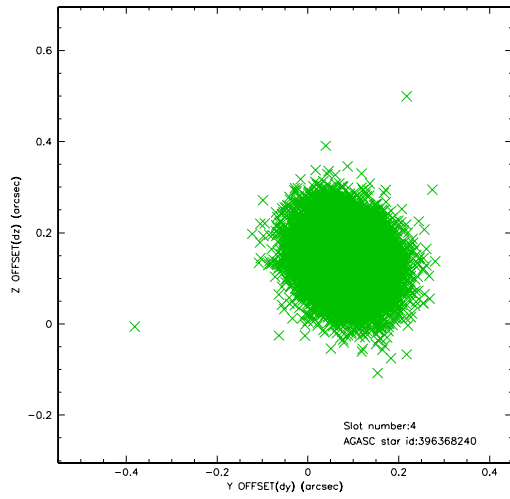
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	7056	0.005	0.012	0.007	0.012	0.000000	0.000000	-755.24	-1729.03
1	FID	ACIS-S-4	7.19	7056	-0.091	-0.006	0.007	0.012	0.000000	0.000000	2157.91	179.34
2	FID	ACIS-S-5	7.24	7055	0.055	0.002	0.007	0.012	0.000000	0.000000	-1807.92	173.13
3	GUIDE	396364144	9.03	14105	-0.013	0.024	0.092	0.148	199.529559	42.014737	804.13	1396.63
4	GUIDE	396368240	9.46	14043	0.084	0.142	0.080	0.130	198.875831	42.053711	-122.49	-91.97
5	GUIDE	396368544	7.53	14113	-0.166	-0.153	0.056	0.089	198.799211	42.266539	-896.57	80.82
6	GUIDE	396369152	9.89	14109	0.090	0.045	0.133	0.217	199.790482	41.802601	1802.00	1672.73
7	GUIDE	396374576	10.02	14099	0.006	-0.054	0.113	0.181	199.155228	41.489032	2027.42	-362.99

## 2.4 Star Slots

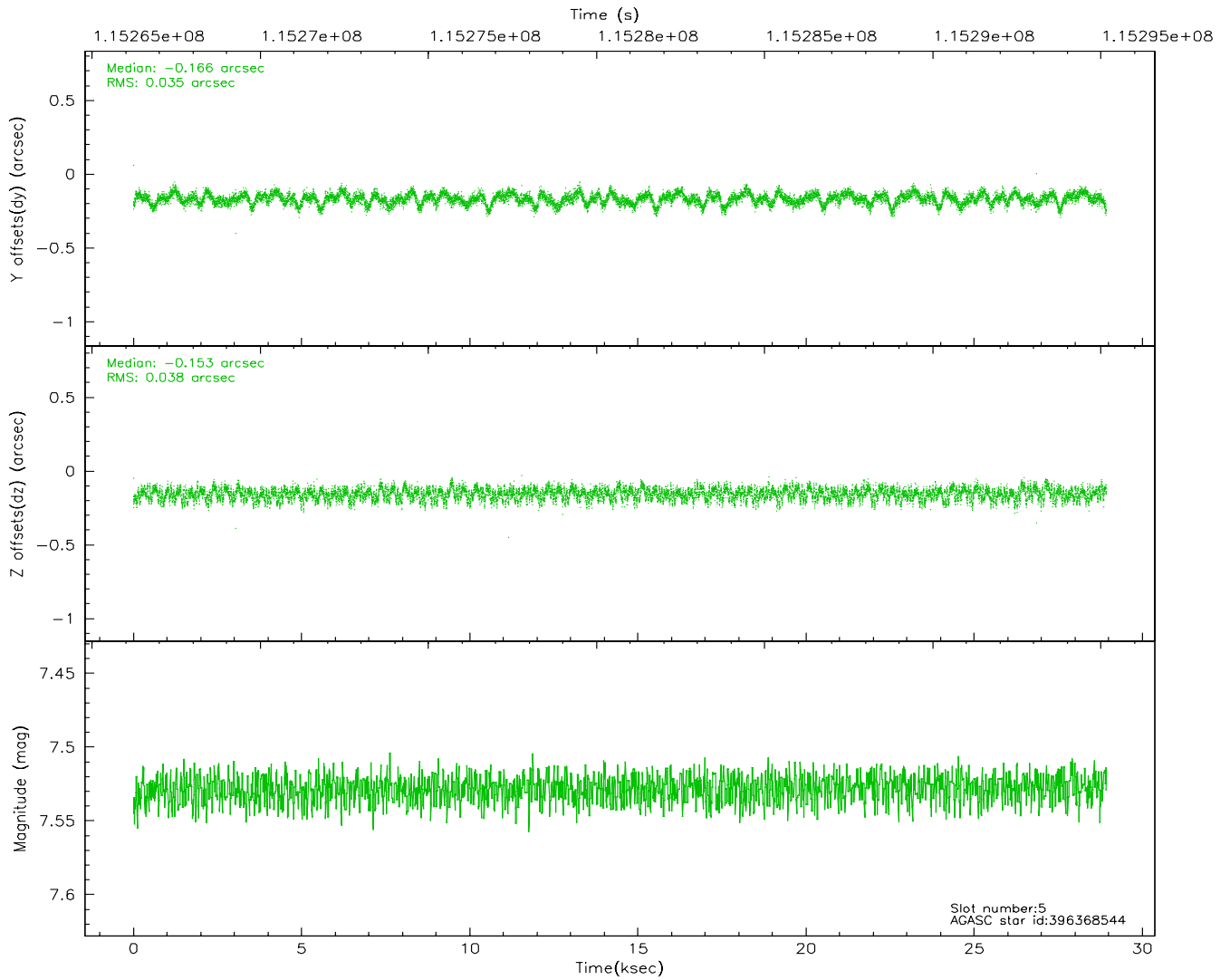
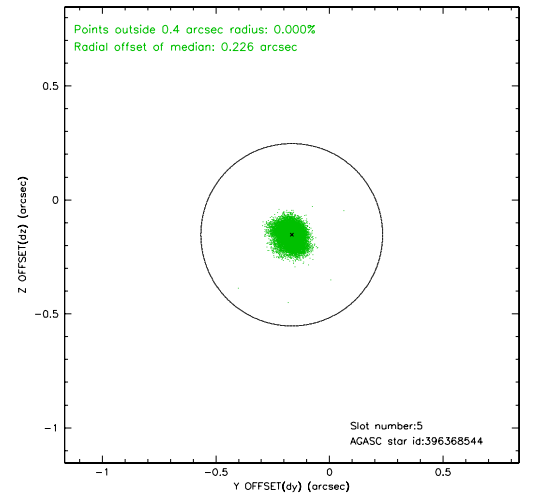
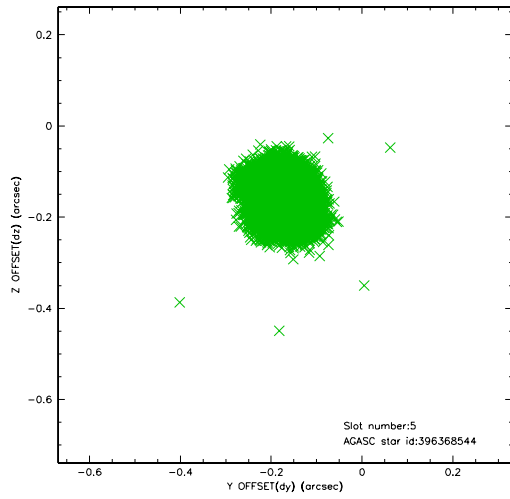
### 2.4.1 Slot 3



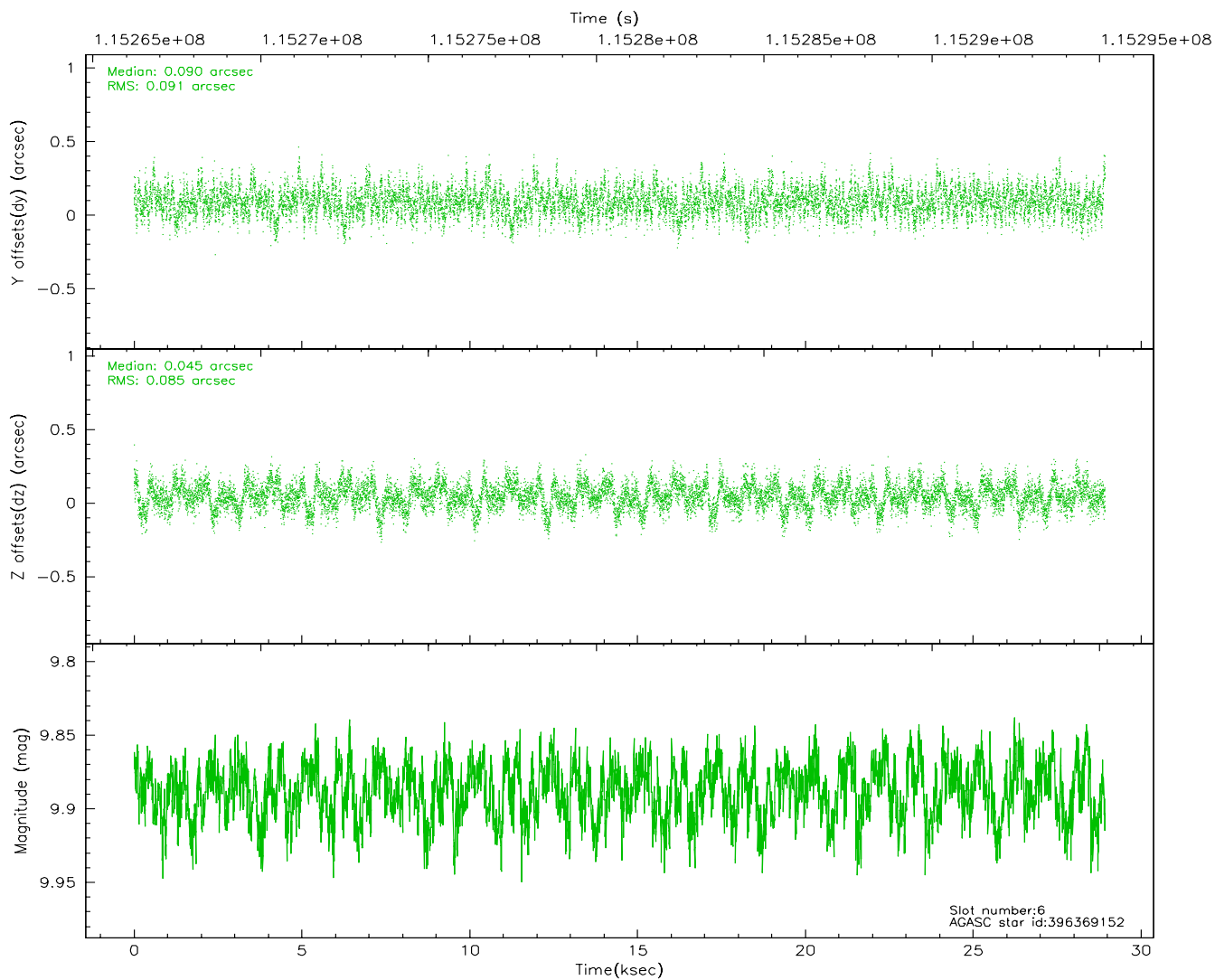
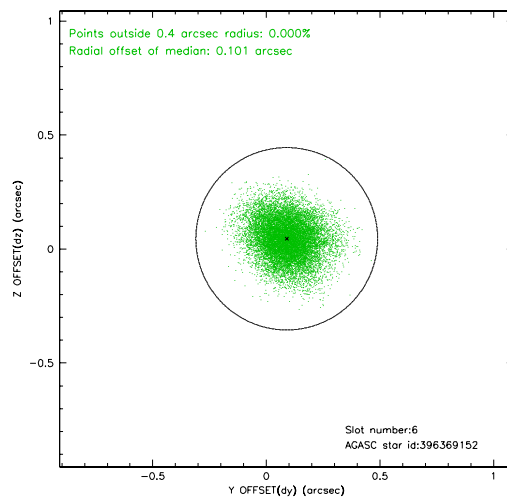
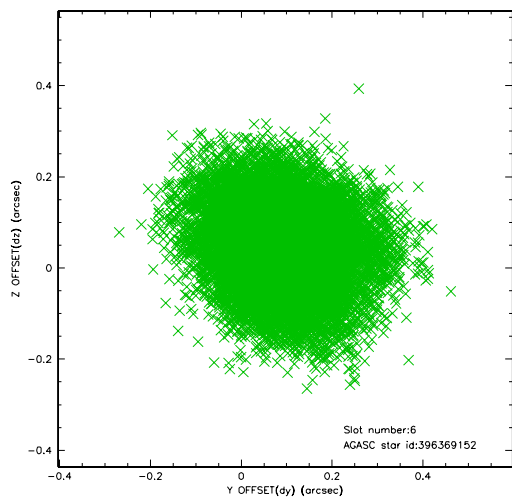
### 2.4.2 Slot 4



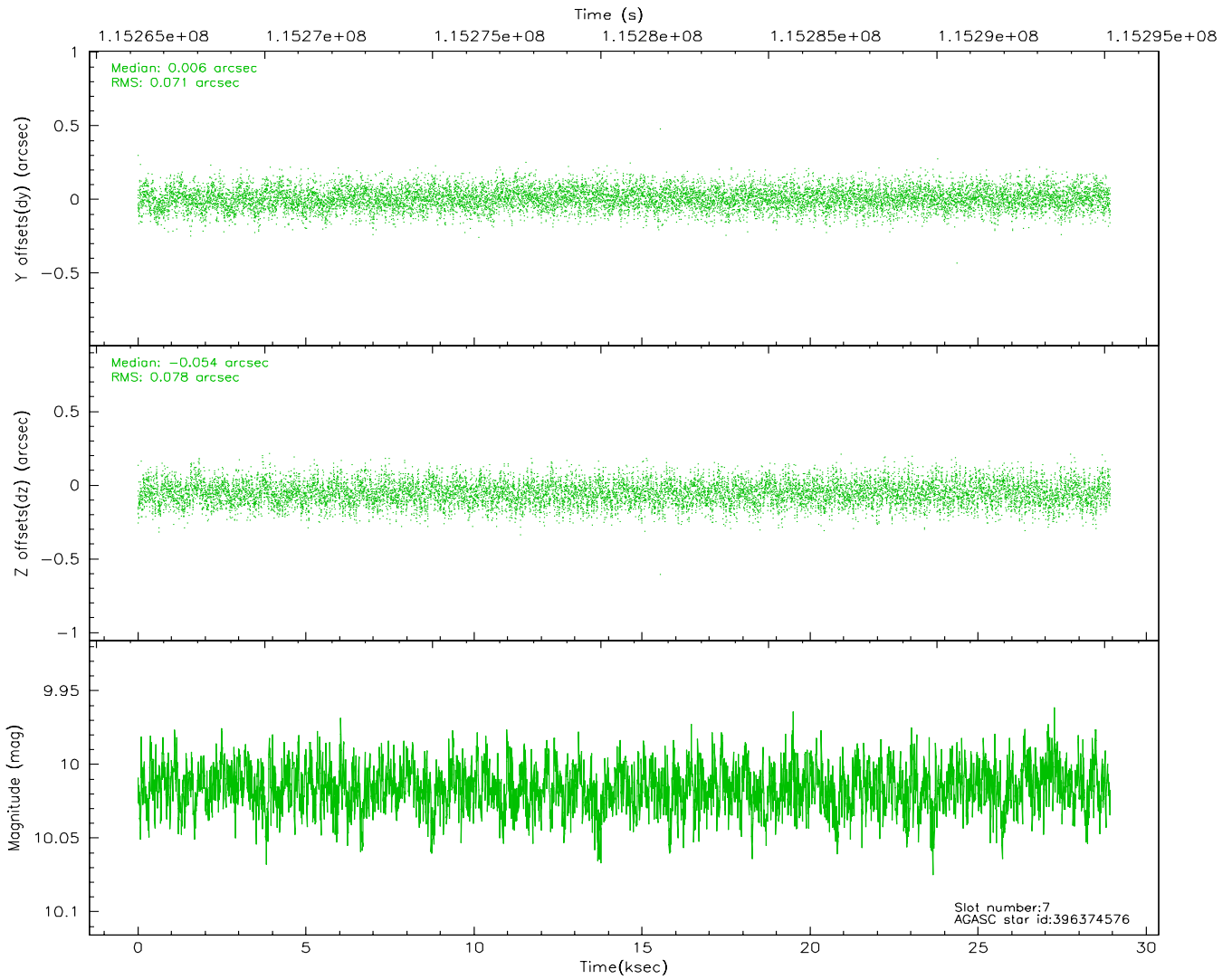
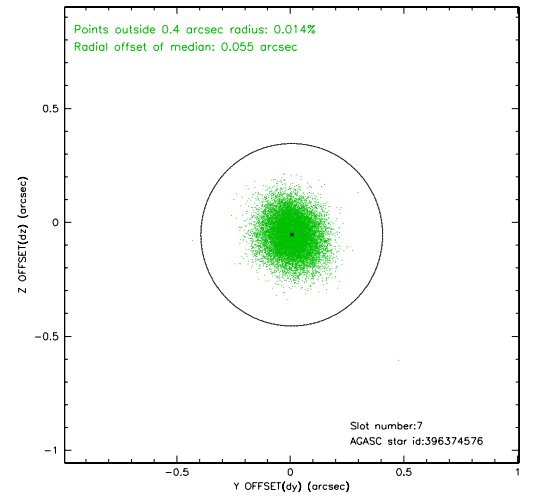
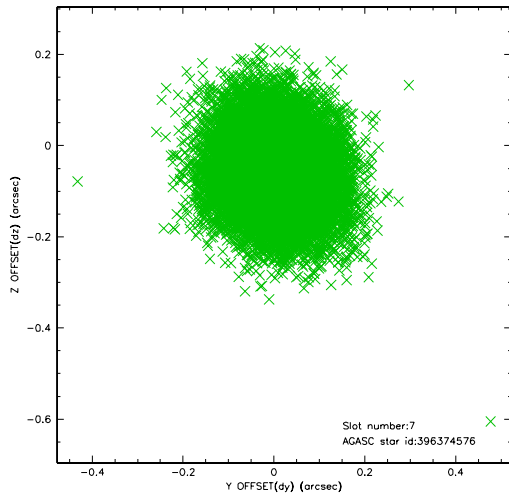
### 2.4.3 Slot 5



### 2.4.4 Slot 6

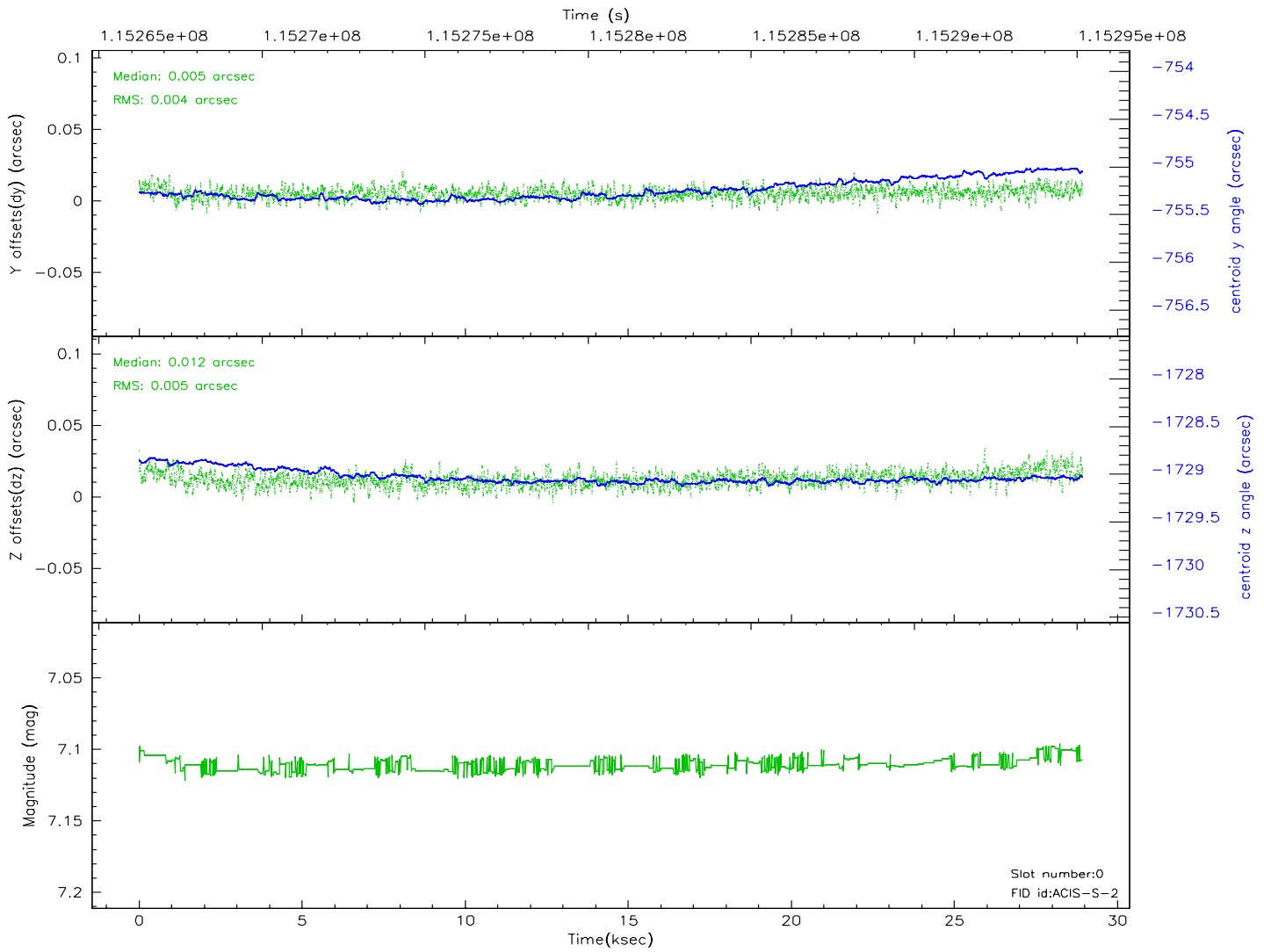
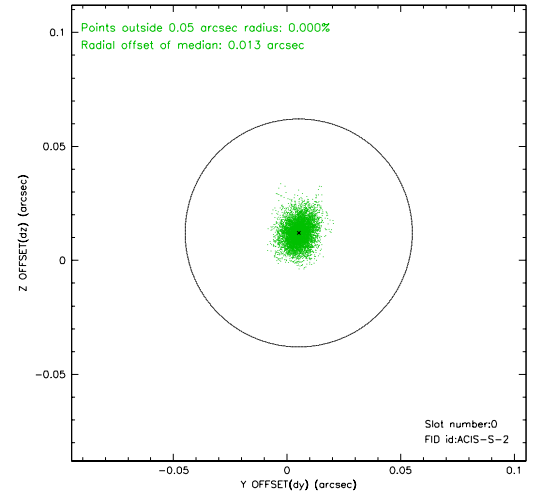
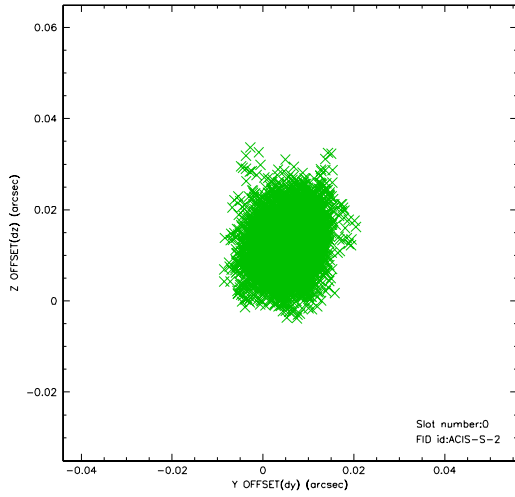


### 2.4.5 Slot 7

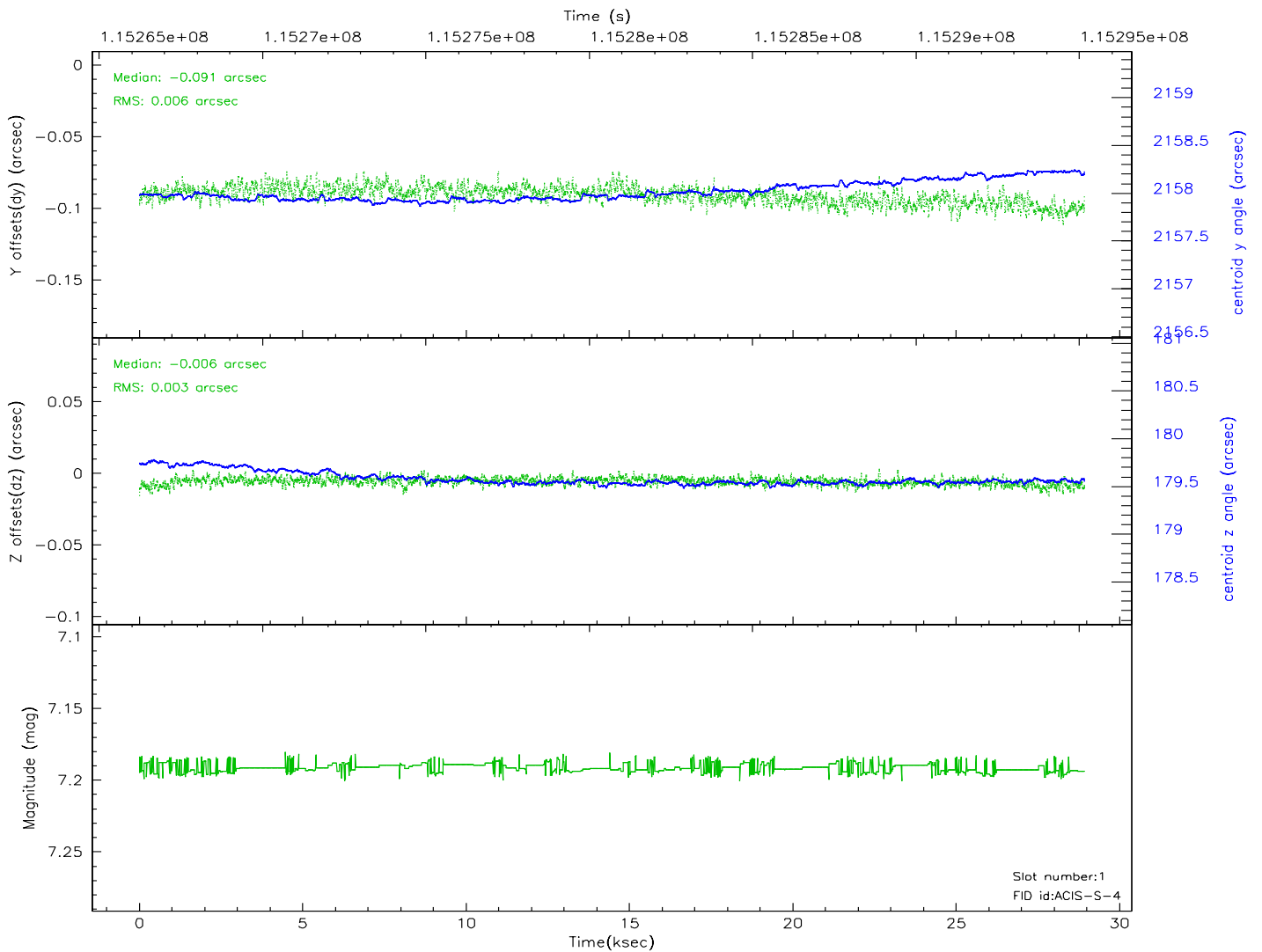
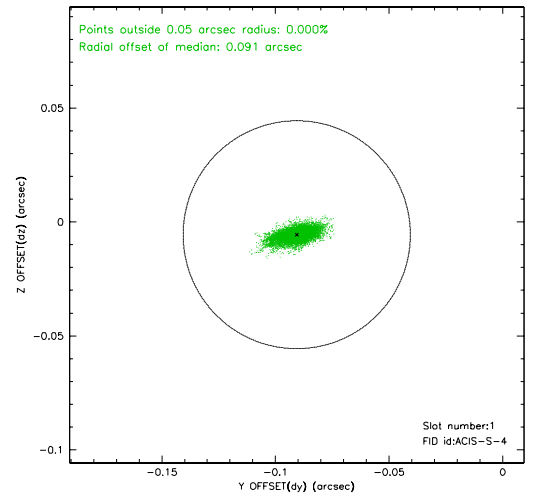
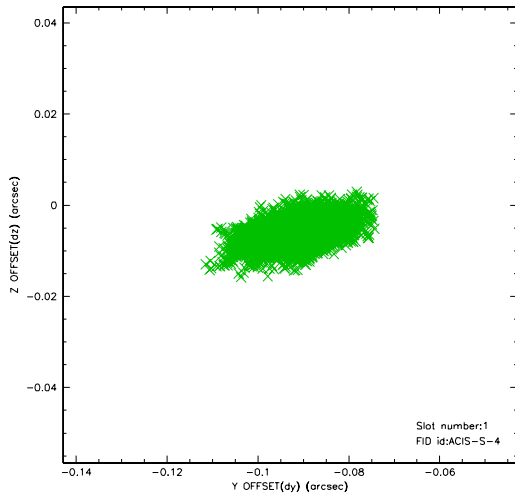


## 2.5 FID Slots

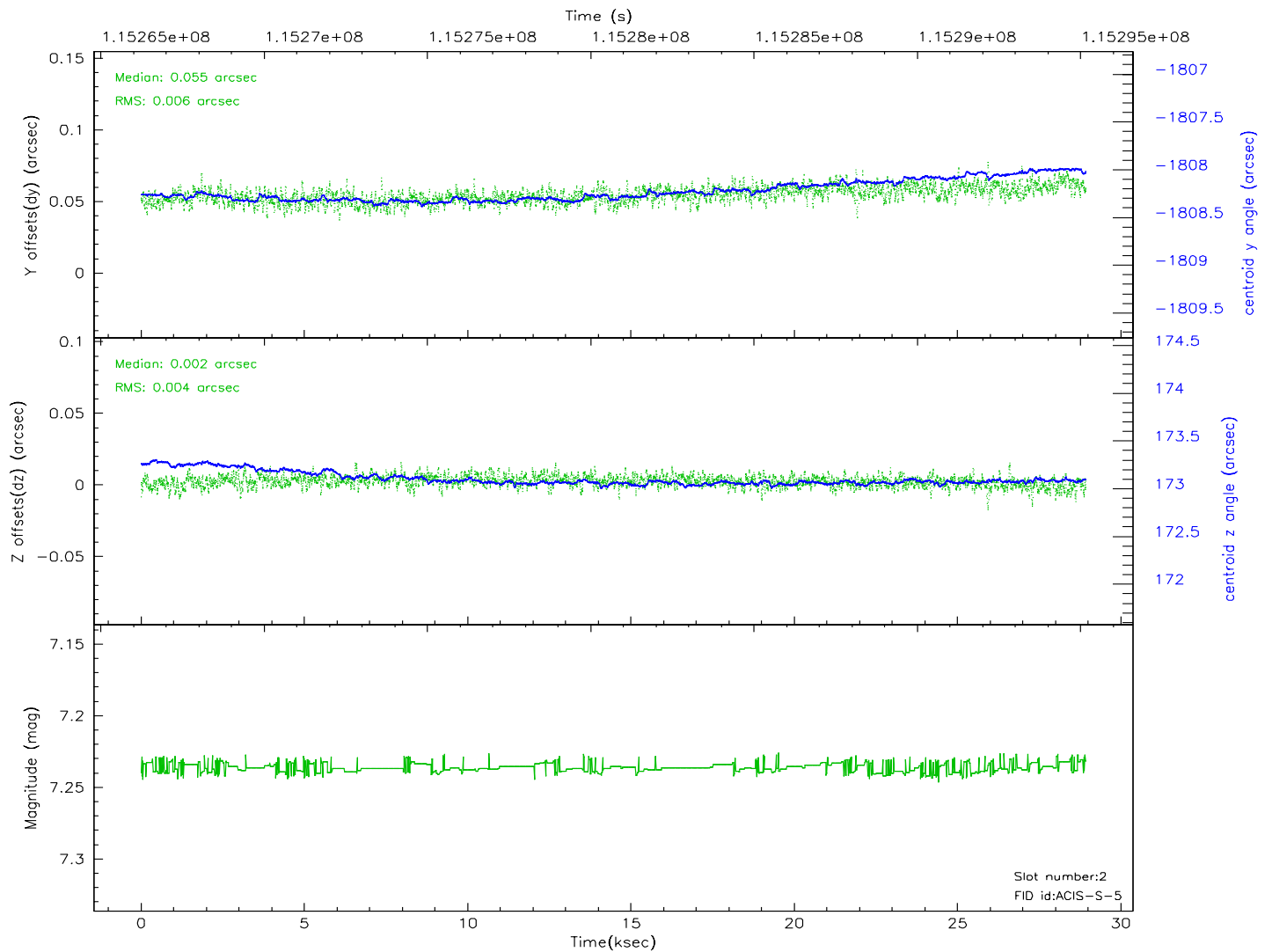
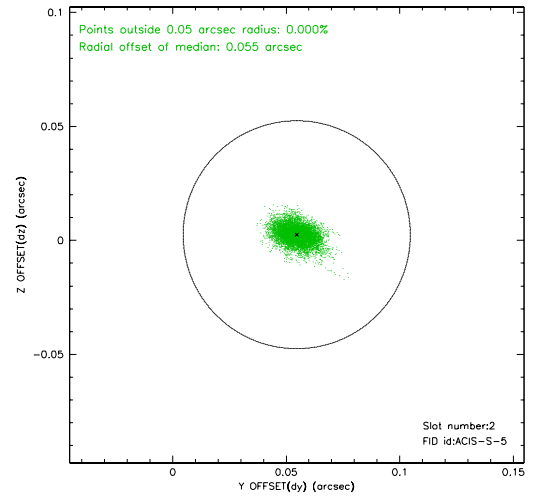
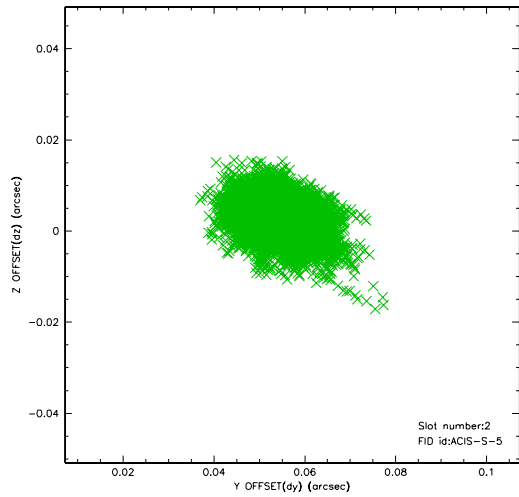
### 2.5.1 Slot 0



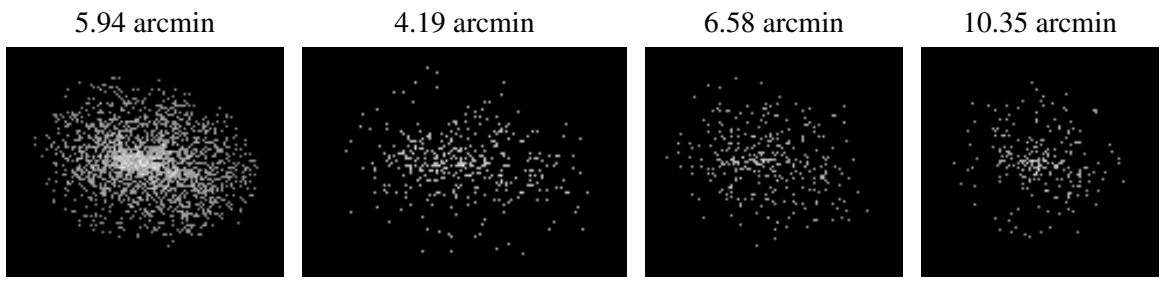
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.12.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	28.355

## A.2 Comments