

# V&V Reference Report

## L2 ASCDS Version : 7.6.8

Observation 3502 - L2 Version 001  
Chandra X-Ray Center

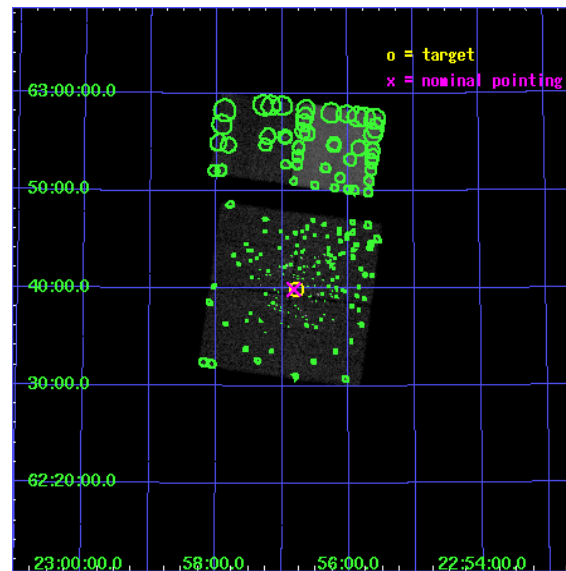
L2 Processing Date : Jul 22 2006

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# 1 Front

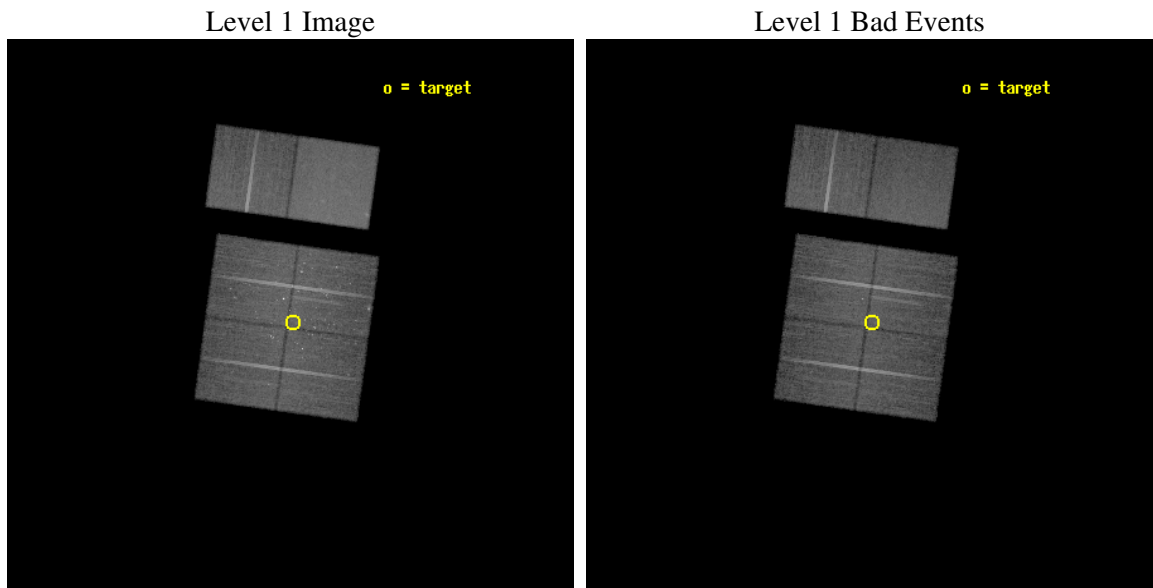
seq_num	200197
obs_id	3502
title	CATCHING THE THIRD GENERATION OF YSOS IN THE CEPB/S155 INTERFACE REGION
observer	Professor Gordon Garmire
object	CEP B
dtcycle	0
cycle	P
ra_targ	344.195833
dec_targ	62.666667
ra_nom	344.20556845
dec_nom	62.66547173244
roll_nom	7.90928227018
revision	2
ontime	30476.799886465
livetime	30090.884295377
ontime0	30470.318175137
ontime1	30476.799886465
ontime2	30476.799886465
ontime3	30476.799886465
ontime6	30476.799886465
ontime7	30476.799886465
l2events	221075



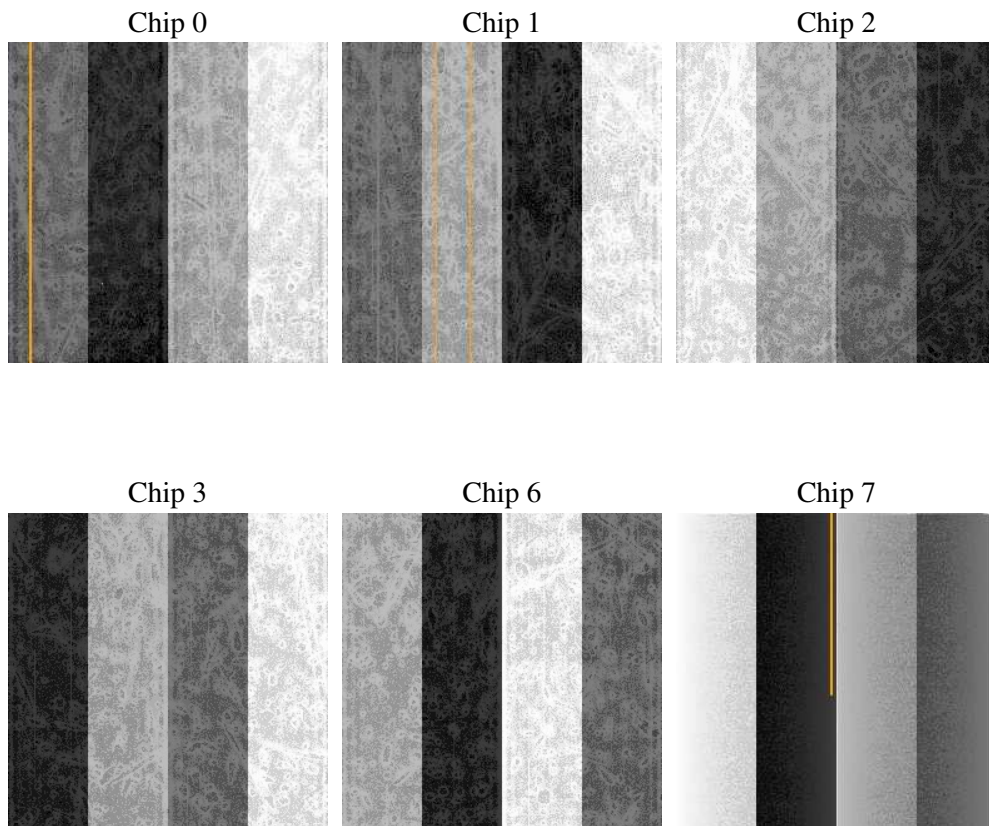
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldsver	3.2.2
date	2006-07-22T21:20:39
revision	2

sched_exp_time	30459.741000
ontime	30481.608763903
ontime0	30475.127052575
ontime1	30481.608763903
ontime2	30481.608763903
ontime3	30481.608763903
ontime6	30481.608763903
ontime7	30481.608793825
l1events	1217393

### 2.1.4 Events

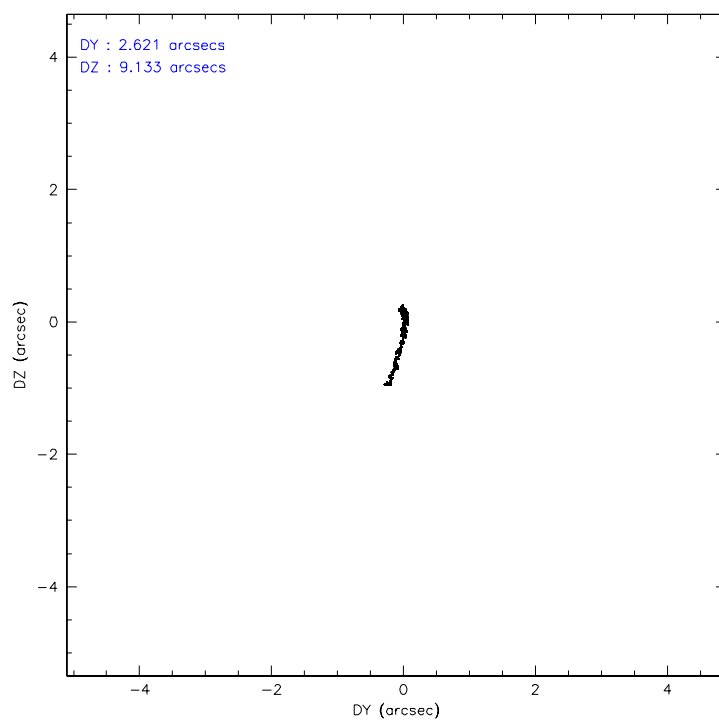
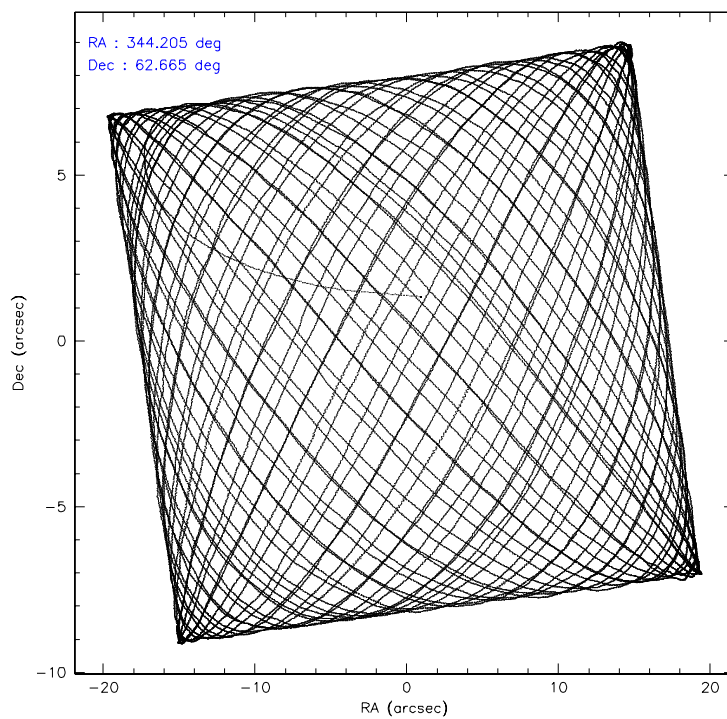
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	178988	181218	200850	198437	198040	259860
rejected events	153335	153299	170514	165720	175179	158819
rejected %	85%	84%	84%	83%	88%	61%

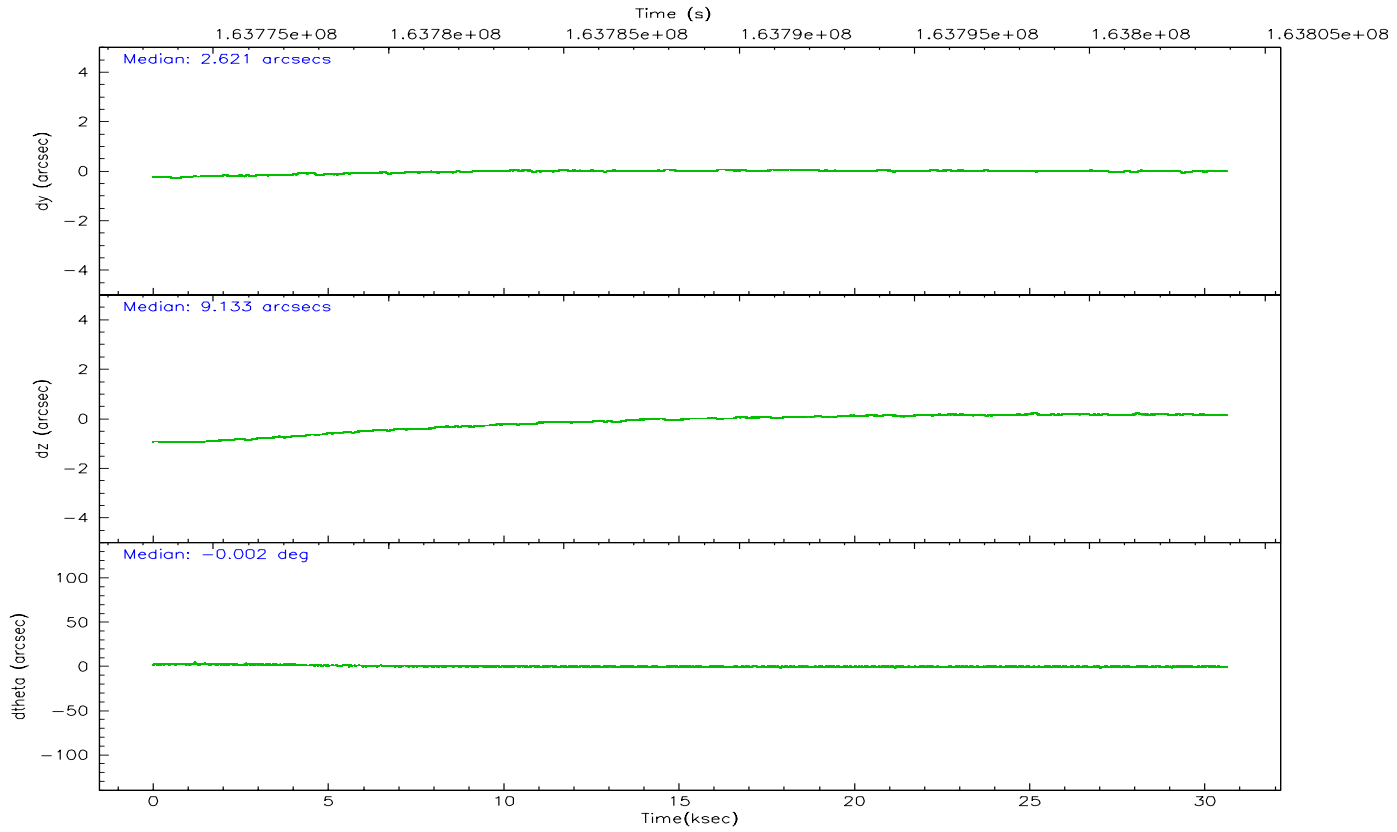
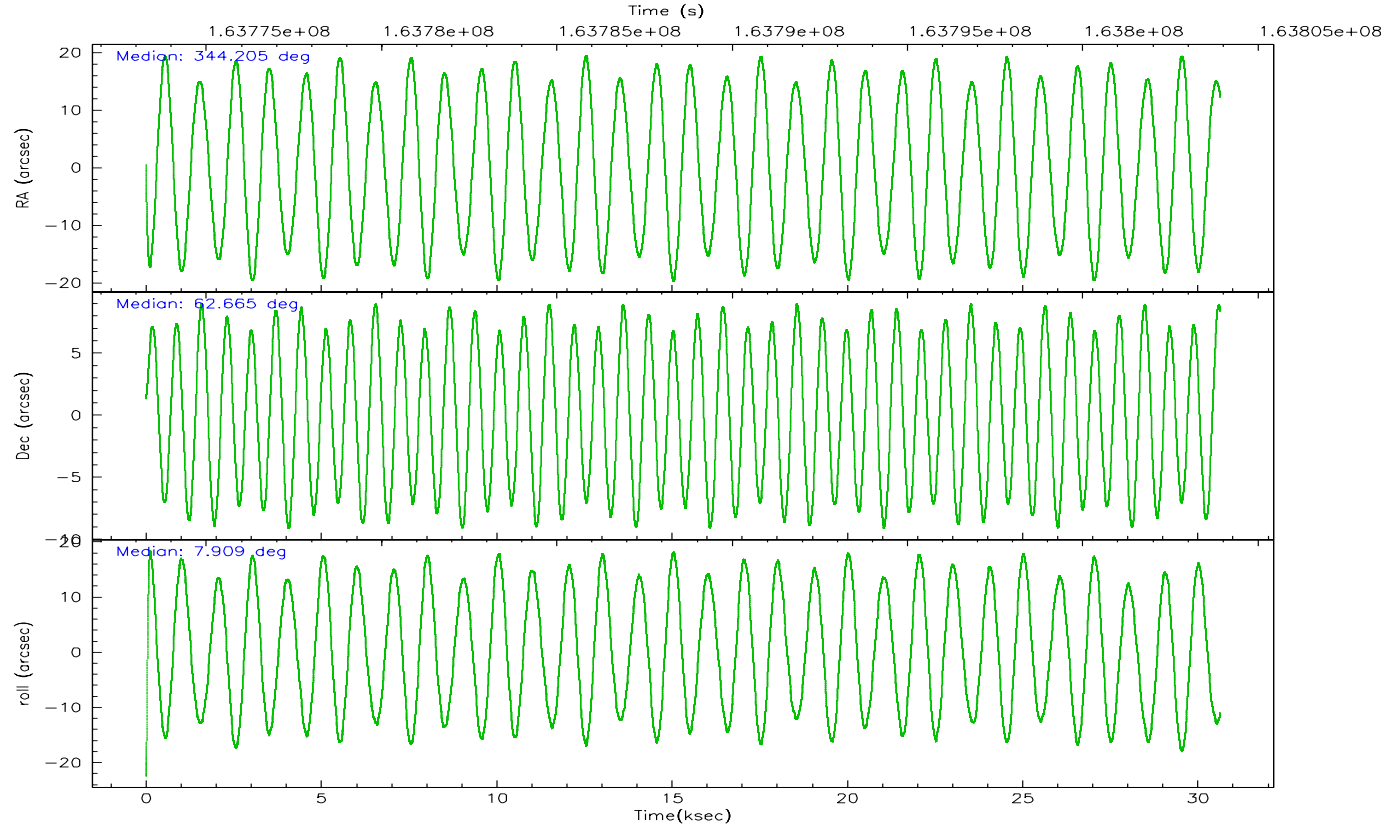
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	11904	12579	16056	18630	9135	6267
	6%	6%	7%	9%	4%	2%
grade 1 events	121	109	299	169	110	170
	0%	0%	0%	0%	0%	0%
grade 2 events	5051	5534	5458	5057	4607	24883
	2%	3%	2%	2%	2%	9%
grade 3 events	2420	2569	2434	2483	2262	5512
	1%	1%	1%	1%	1%	2%
grade 4 events	2290	2526	2380	2470	2174	5238
	1%	1%	1%	1%	1%	2%
grade 5 events	7391	7791	7459	8479	8828	17487
	4%	4%	3%	4%	4%	6%
grade 6 events	3989	4712	4011	4080	4686	59155
	2%	2%	1%	2%	2%	22%
grade 7 events	145822	145398	162753	157069	166238	141148
	81%	80%	81%	79%	83%	54%

## 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	344.158717	344.205568450005	Alternating exposures requested	N	N
Pointing Dec	62.648537	62.66547173244027	Primary exposure time	0.000000	3.2
Pointing Roll	7.742222	7.90928227018003			
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	163773453.184000	163772465.28175			
Observation start date	2003-03-11T12:36:29	2003-03-11T12:21:05			
Observation end time	163803913.184000	163804227.98309			
Observation end date	2003-03-11T21:04:09	2003-03-11T21:10:27			
Read mode	TIMED	TIMED			

## 2.3 Aspect





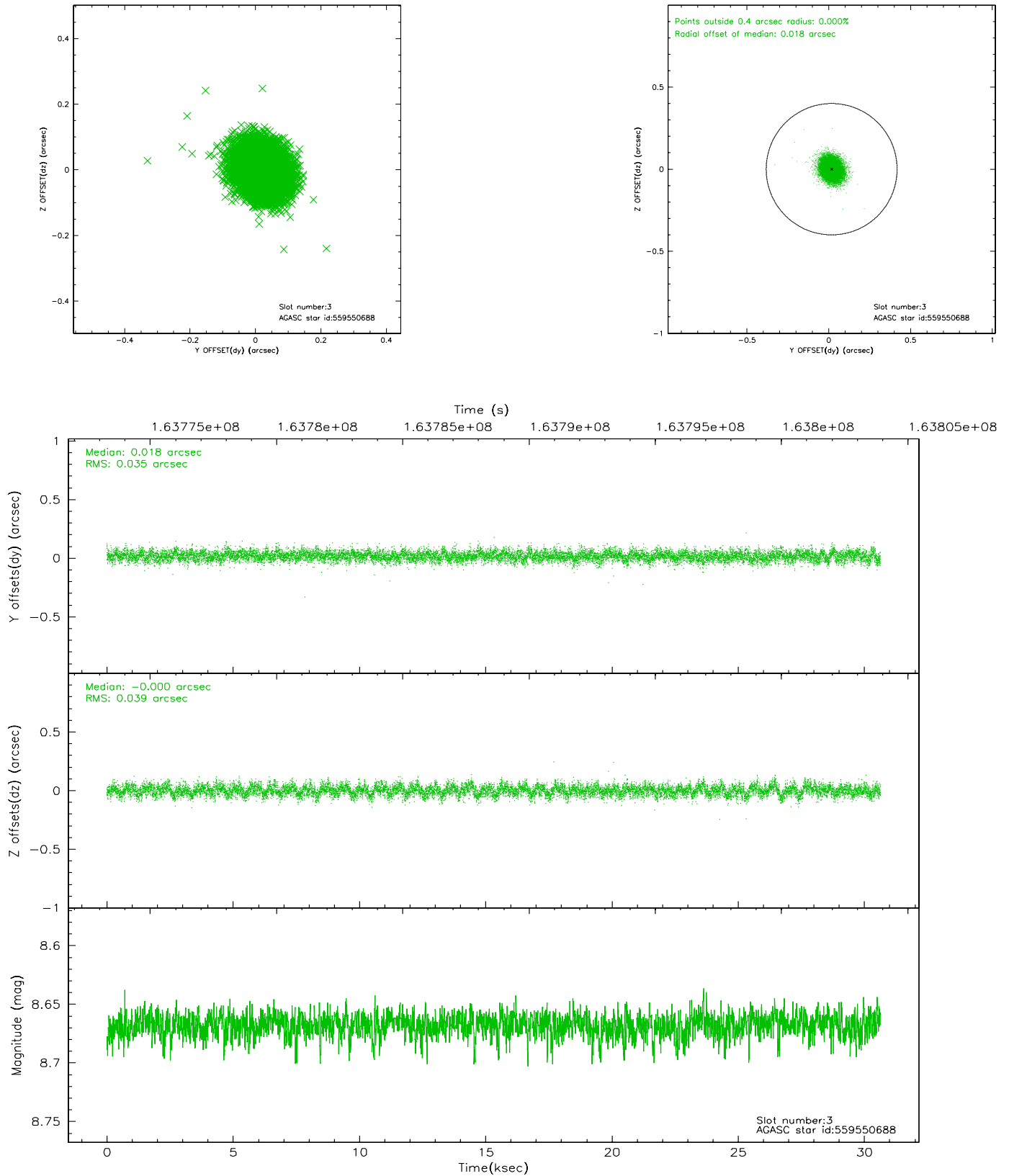
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.24	7474	-0.056	0.093	0.008	0.018	0.000000	0.000000	937.16	-832.33
1	FID	ACIS-I-5	7.24	7473	-0.032	0.011	0.008	0.018	0.000000	0.000000	-1810.90	1065.03
2	FID	ACIS-I-6	7.26	7473	-0.002	-0.035	0.011	0.021	0.000000	0.000000	402.67	1709.57
3	GUIDE	559550688	8.67	14944	0.018	-0.000	0.056	0.090	342.812650	62.620692	-2218.16	224.03
4	GUIDE	561253040	8.06	14944	-0.075	0.118	0.055	0.089	343.127313	62.440534	-1801.21	-496.71
5	GUIDE	561254000	8.31	14946	-0.058	0.066	0.066	0.108	345.523435	62.512083	2183.93	-768.30
6	GUIDE	561255392	8.25	14947	0.063	-0.049	0.049	0.081	345.299730	62.941959	1996.39	811.46
7	GUIDE	561258272	9.31	14943	0.053	-0.136	0.076	0.122	343.140635	62.313264	-1847.73	-953.25

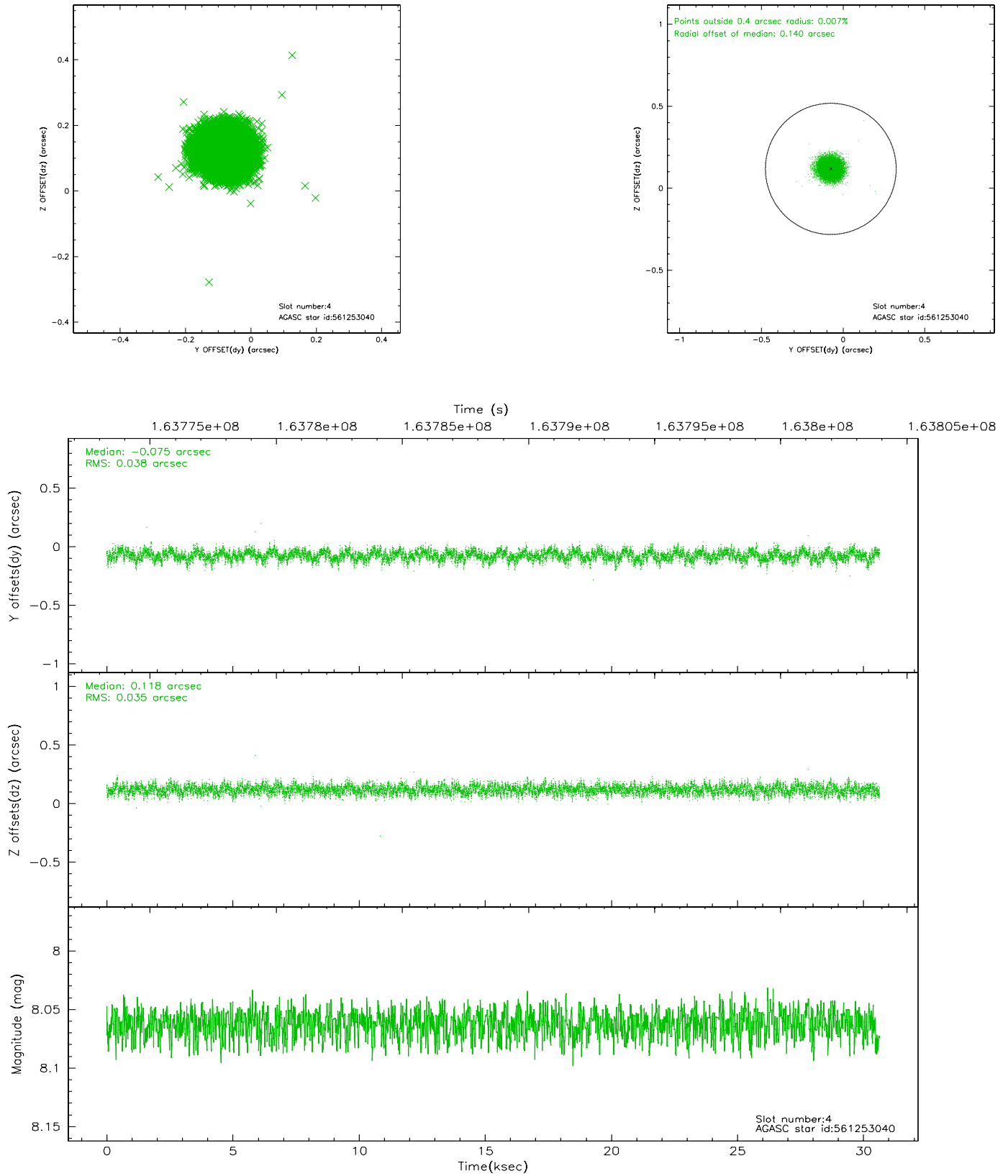


## 2.4 Star Slots

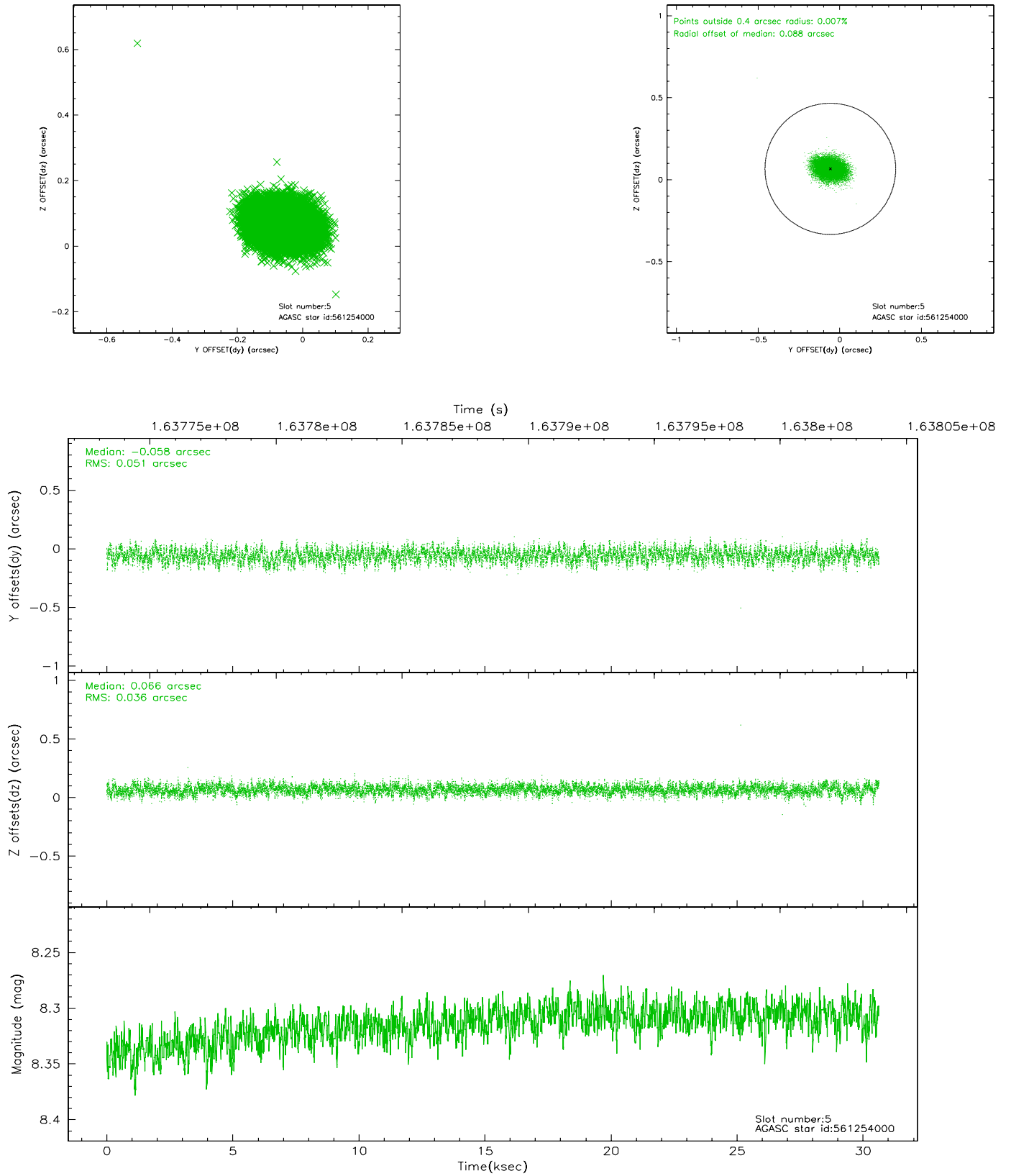
### 2.4.1 Slot 3



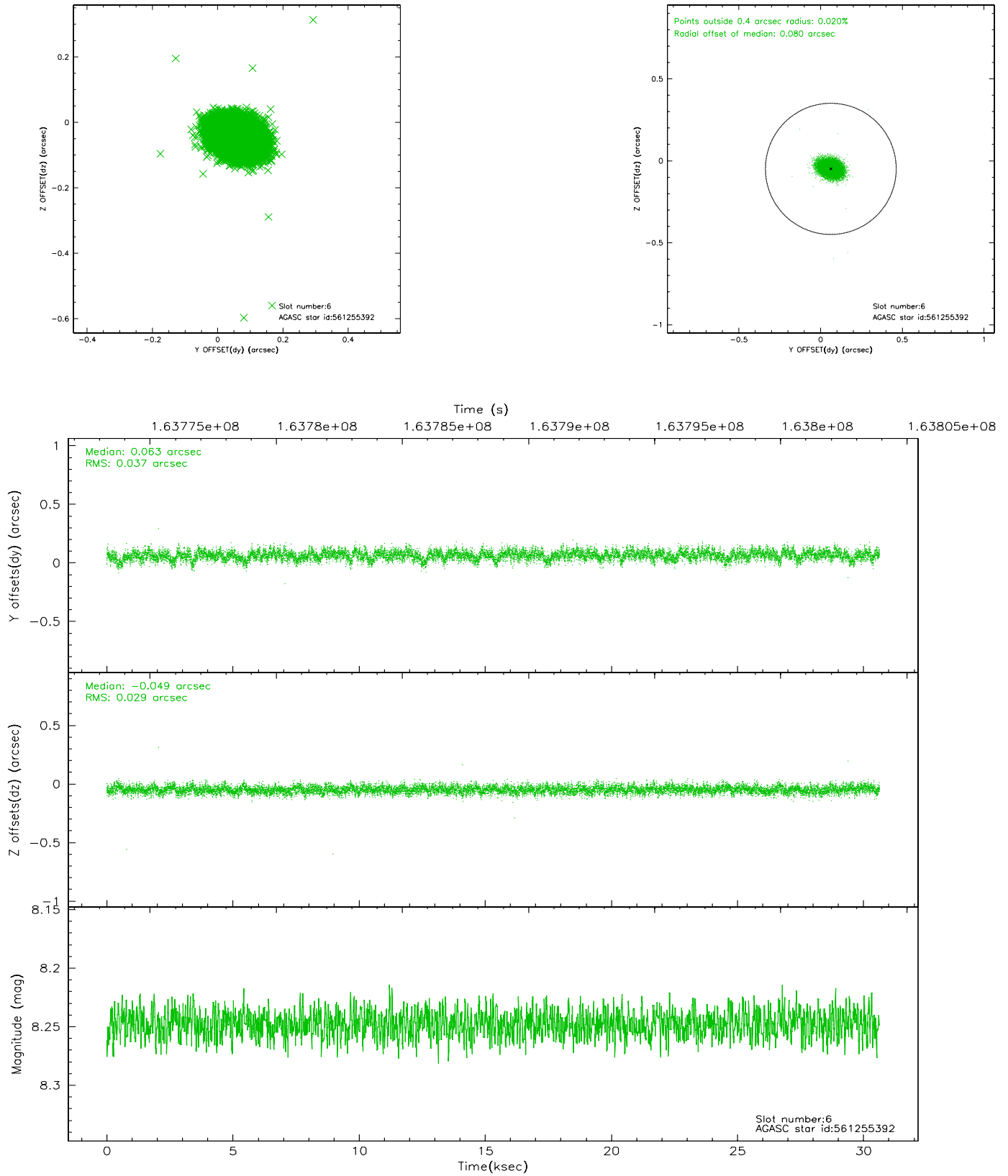
## 2.4.2 Slot 4



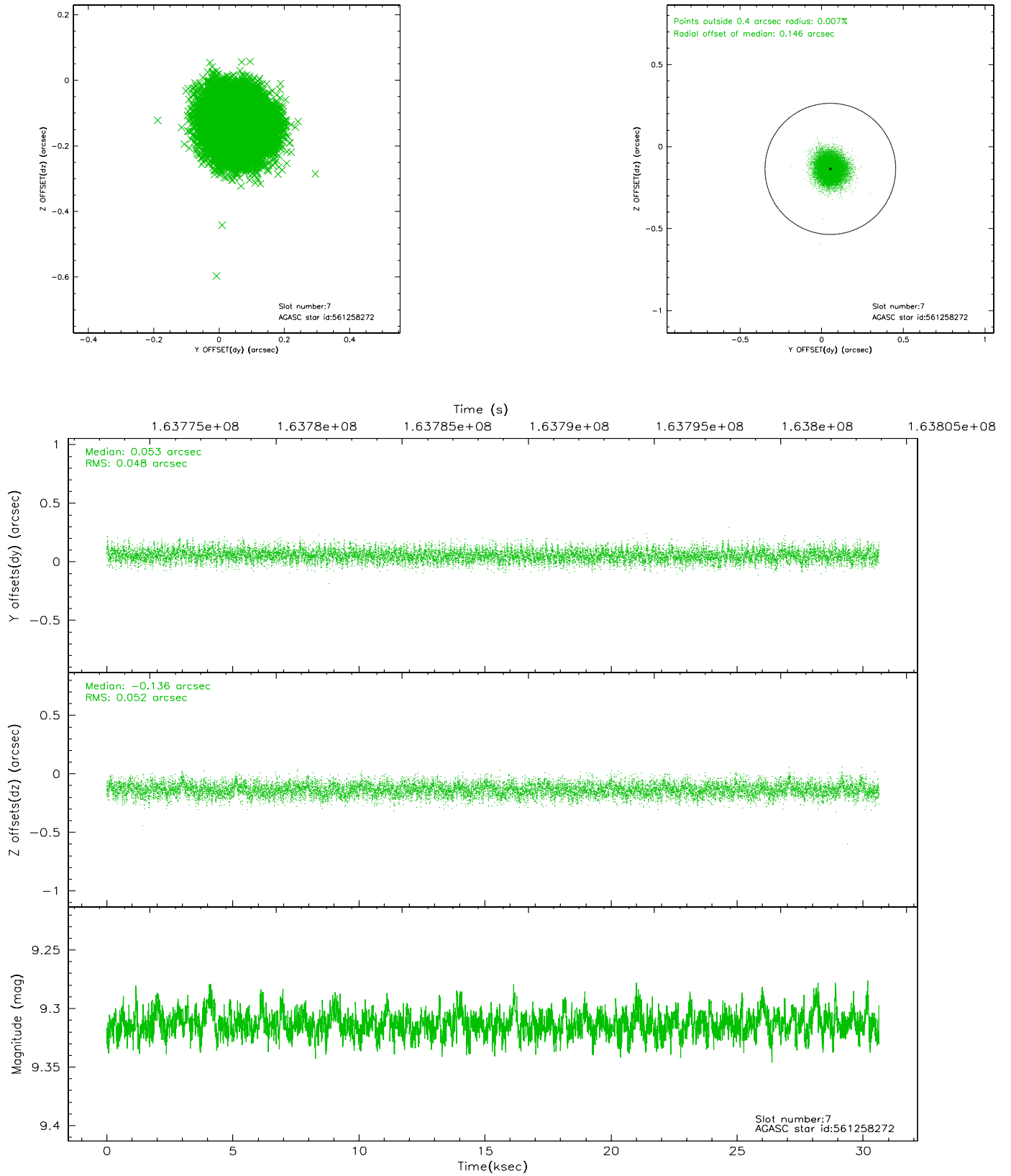
### 2.4.3 Slot 5



## 2.4.4 Slot 6

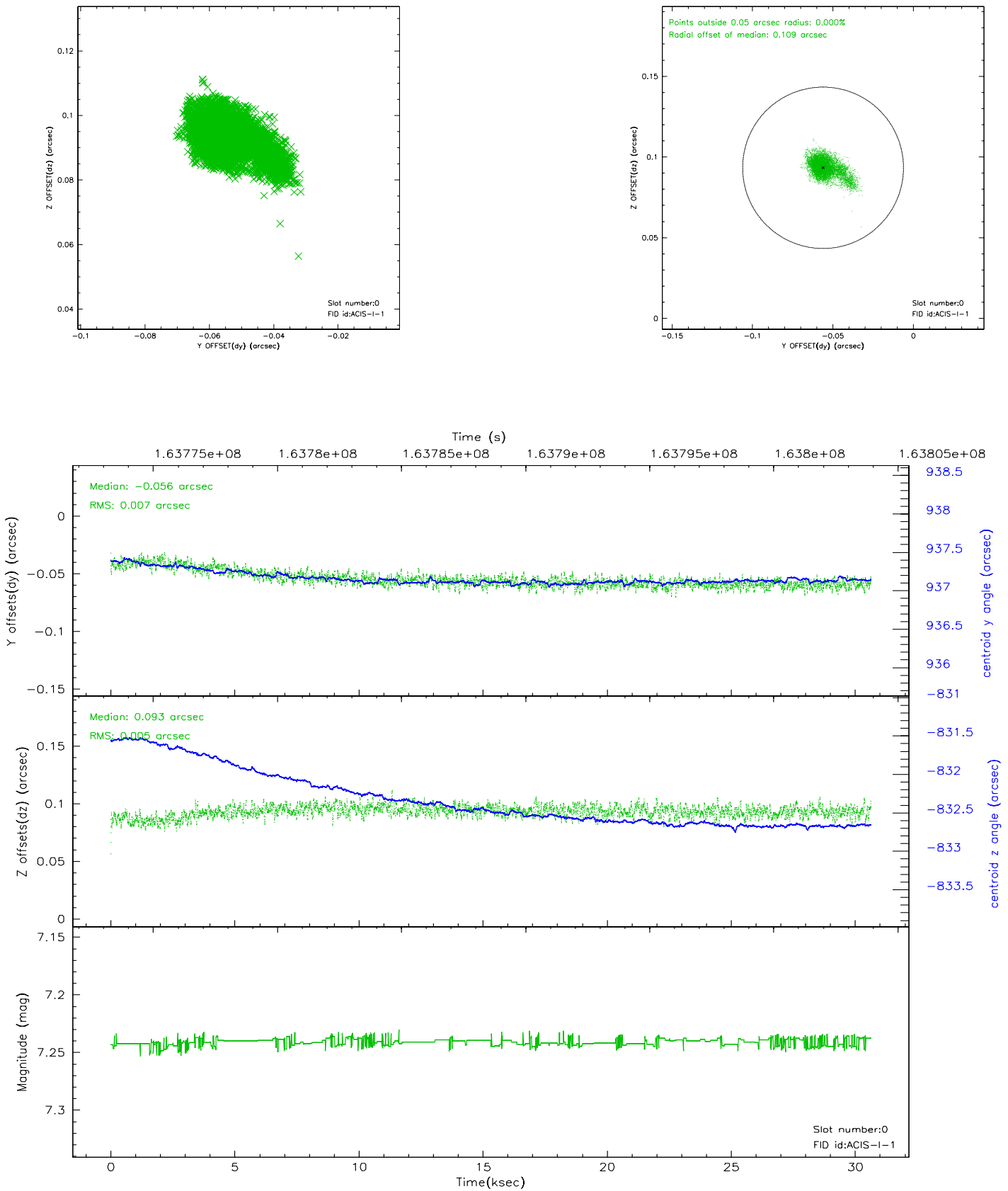


## 2.4.5 Slot 7

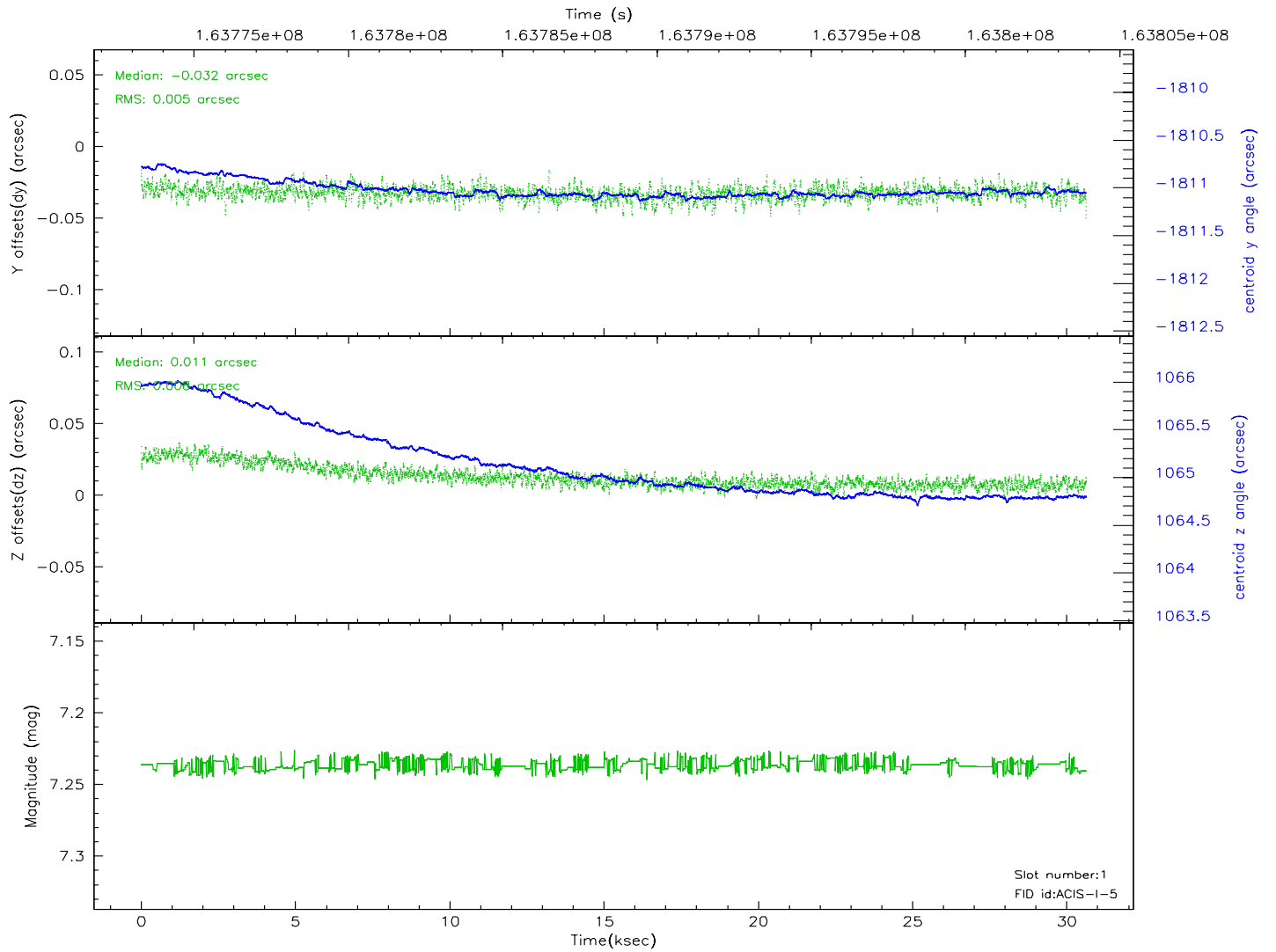
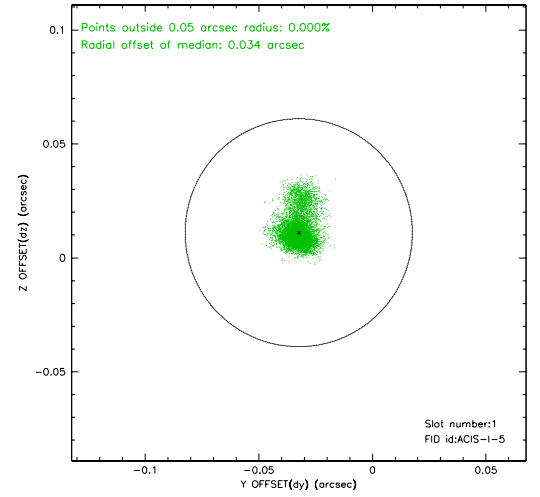
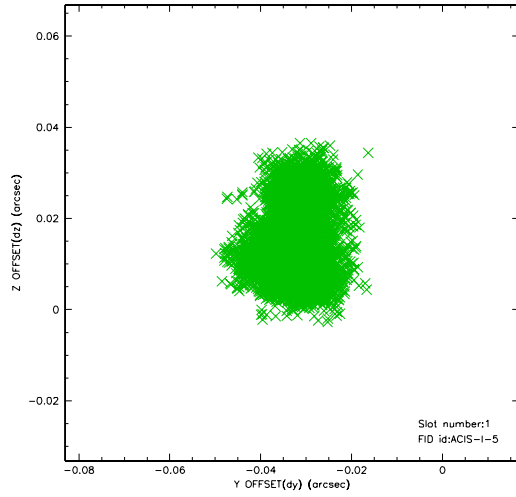


## 2.5 FID Slots

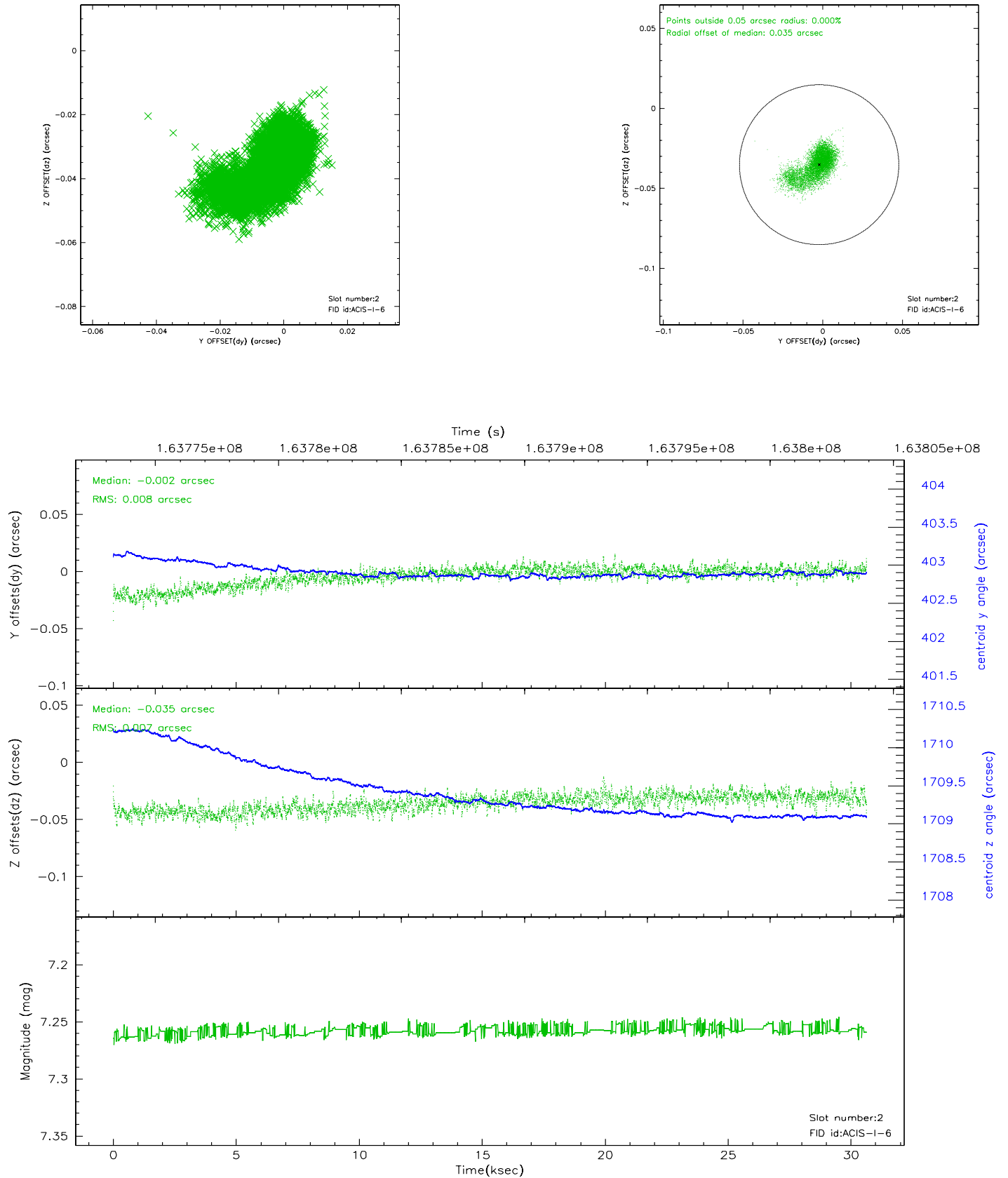
### 2.5.1 Slot 0



## 2.5.2 Slot 1

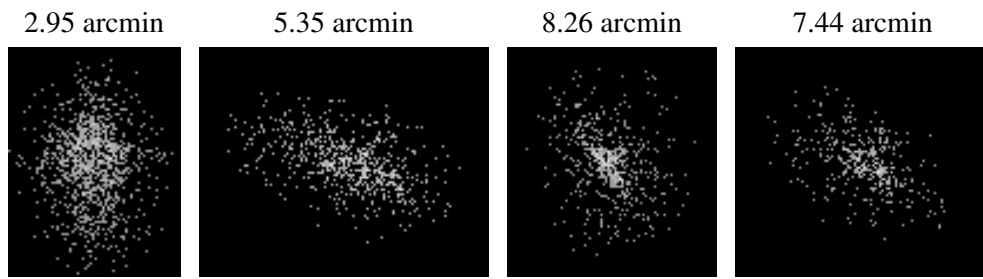


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.07.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.476

### A.2 Comments