

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2176 - L2 Version 001  
Chandra X-Ray Center

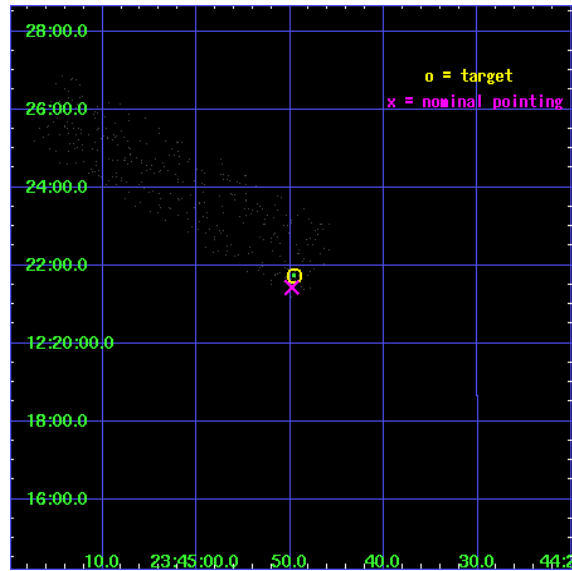
L2 Processing Date : Nov 2 2006

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# 1 Front

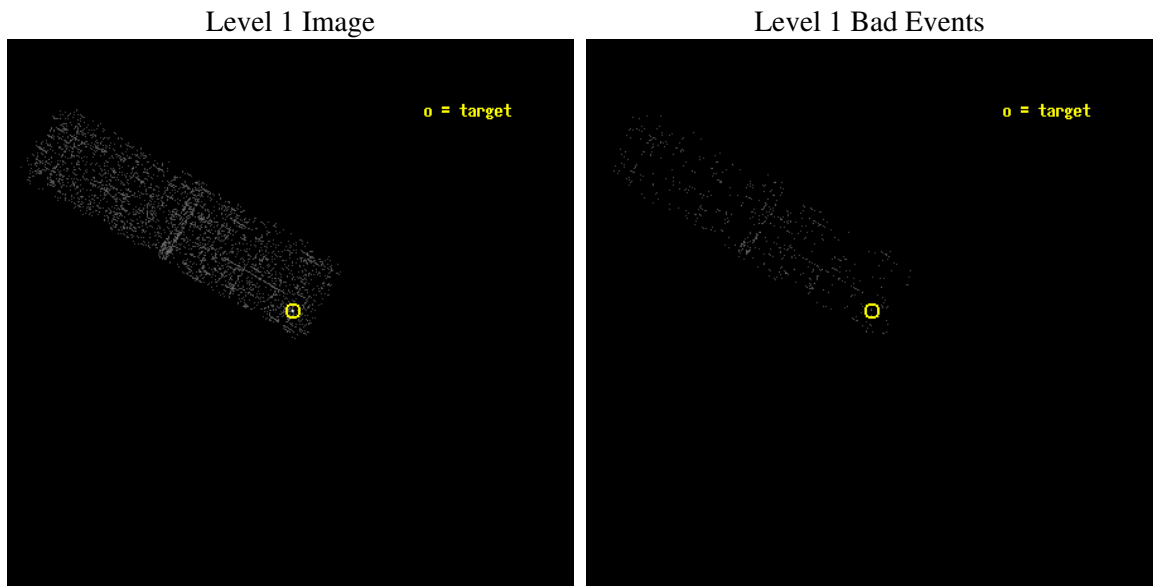
seq_num	700366
obs_id	2176
title	RED QUASARS AND THE X-RAY BACKGROUND
observer	Dr. BELINDA WILKES
object	2MASSJ234449+1221
dtcycle	0
cycle	P
ra_targ	356.206667
dec_targ	12.362056
ra_nom	356.2075944316
dec_nom	12.357147966152
roll_nom	300.09436863807
revision	2
ontime	2035.9179622233
livetime	1936.5718274739
ontime3	2035.9179622233
l2events	598



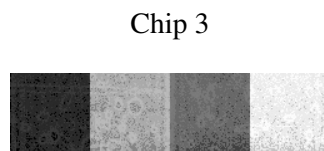
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.3
date	2006-11-02T23:14:50
revision	2

sched_exp_time	2200.000000
ontime	2036.9719680697
ontime3	2036.9719680697
l1events	4269

### 2.1.4 Events

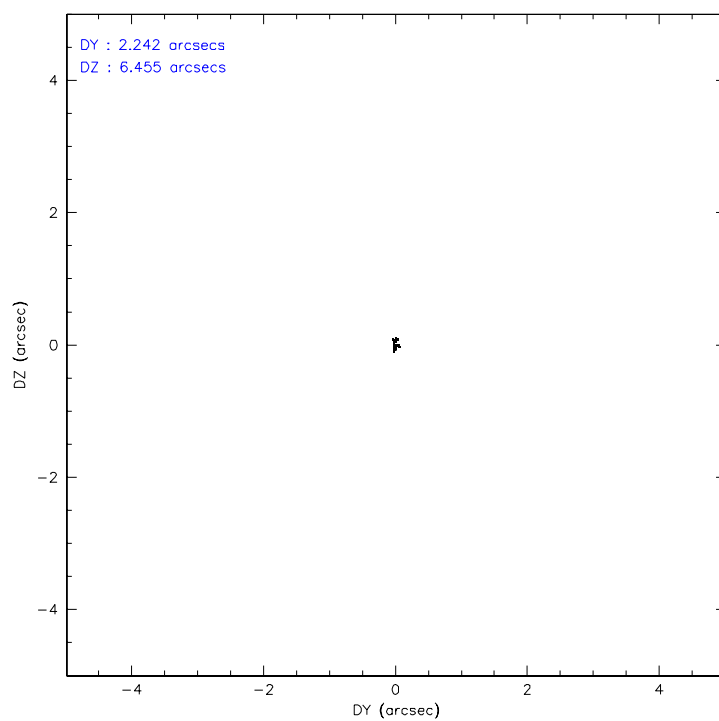
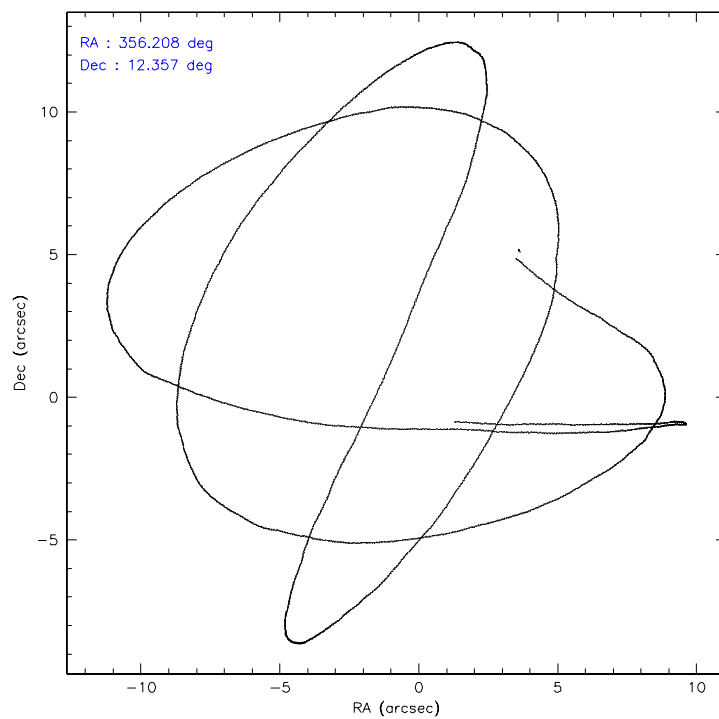
	<b>ccd 3</b>
level 1 events	4269
rejected events	3599
rejected %	84%

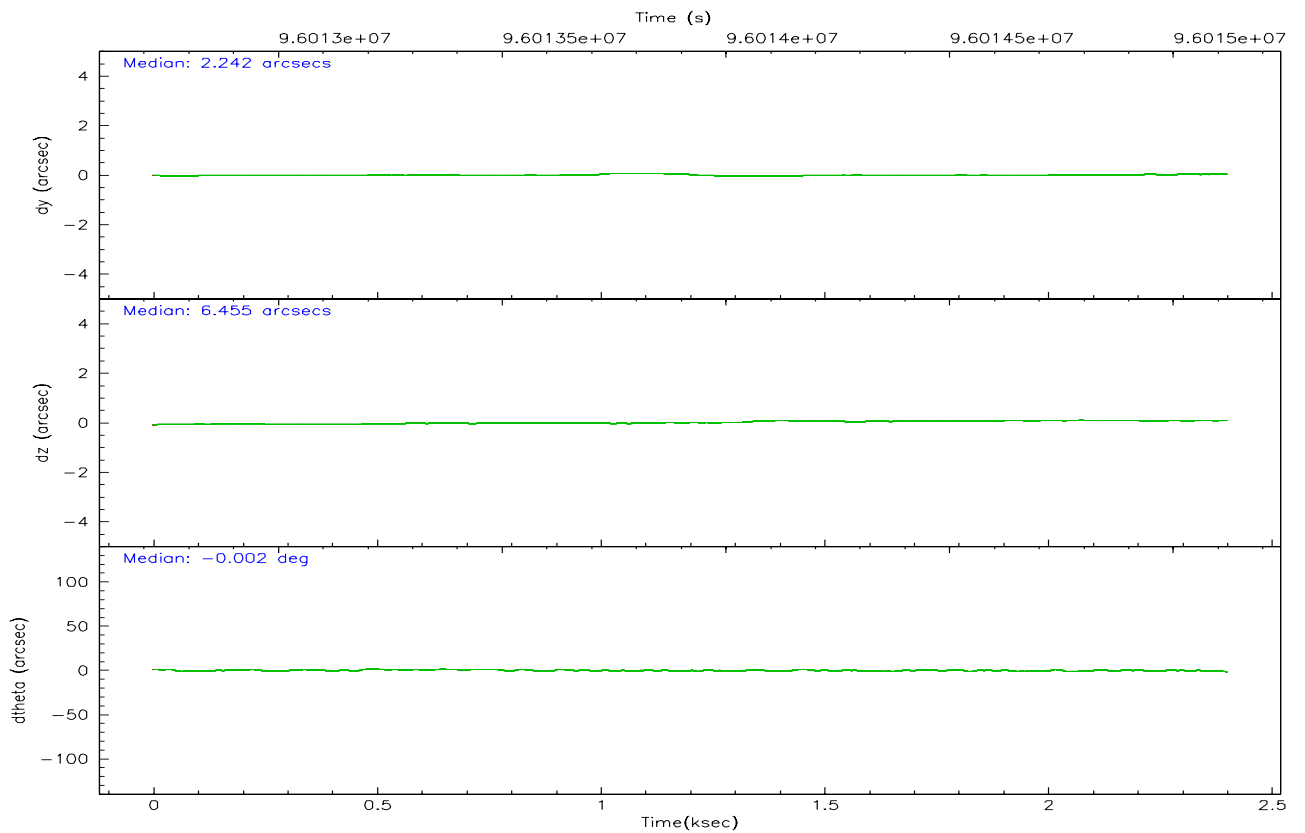
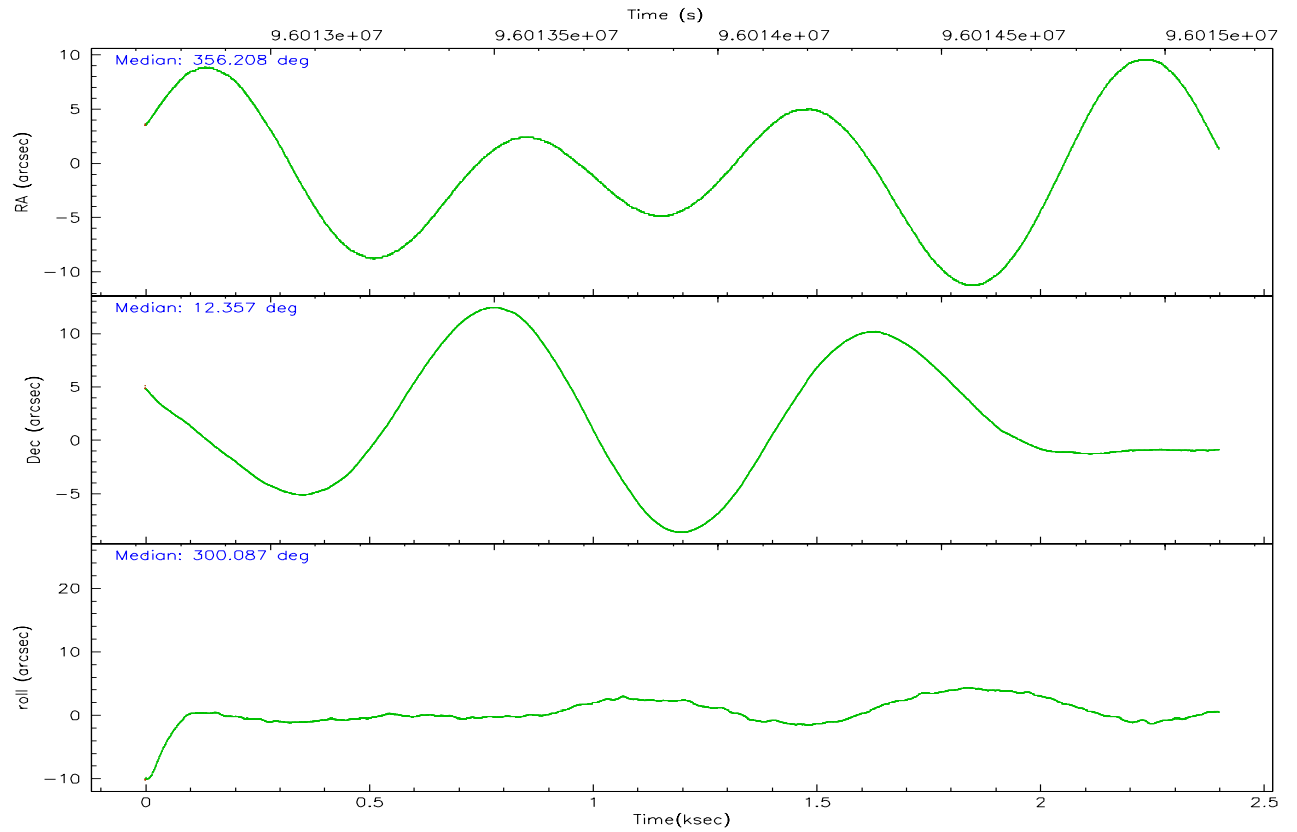
	<b>ccd 3</b>
grade 0 events	332
	7%
grade 1 events	2
	0%
grade 2 events	92
	2%
grade 3 events	79
	1%
grade 4 events	82
	1%
grade 5 events	123
	2%
grade 6 events	85
	1%
grade 7 events	3474
	81%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-3	ACIS-3	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	356.182905	356.2075944316023	Subarray requested	1/4	1/4
Pointing Dec	12.371011	12.35714796615244	Subarray start row	0	769
Pointing Roll	299.891008	300.0943686380721	Subarray row count	1024	256
SIM focus pos (mm)	-0.782348	-0.7809083437167272	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001439871863259334	Primary exposure time	0.000000	0.8
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	96012920.184000	96012404.71432801			
Observation start date	2001-01-16T06:14:16	2001-01-16T06:06:44			
Observation end time	96015120.184000	96015638.589453			
Observation end date	2001-01-16T06:50:56	2001-01-16T07:00:38			
Read mode	TIMED	TIMED			

## 2.3 Aspect





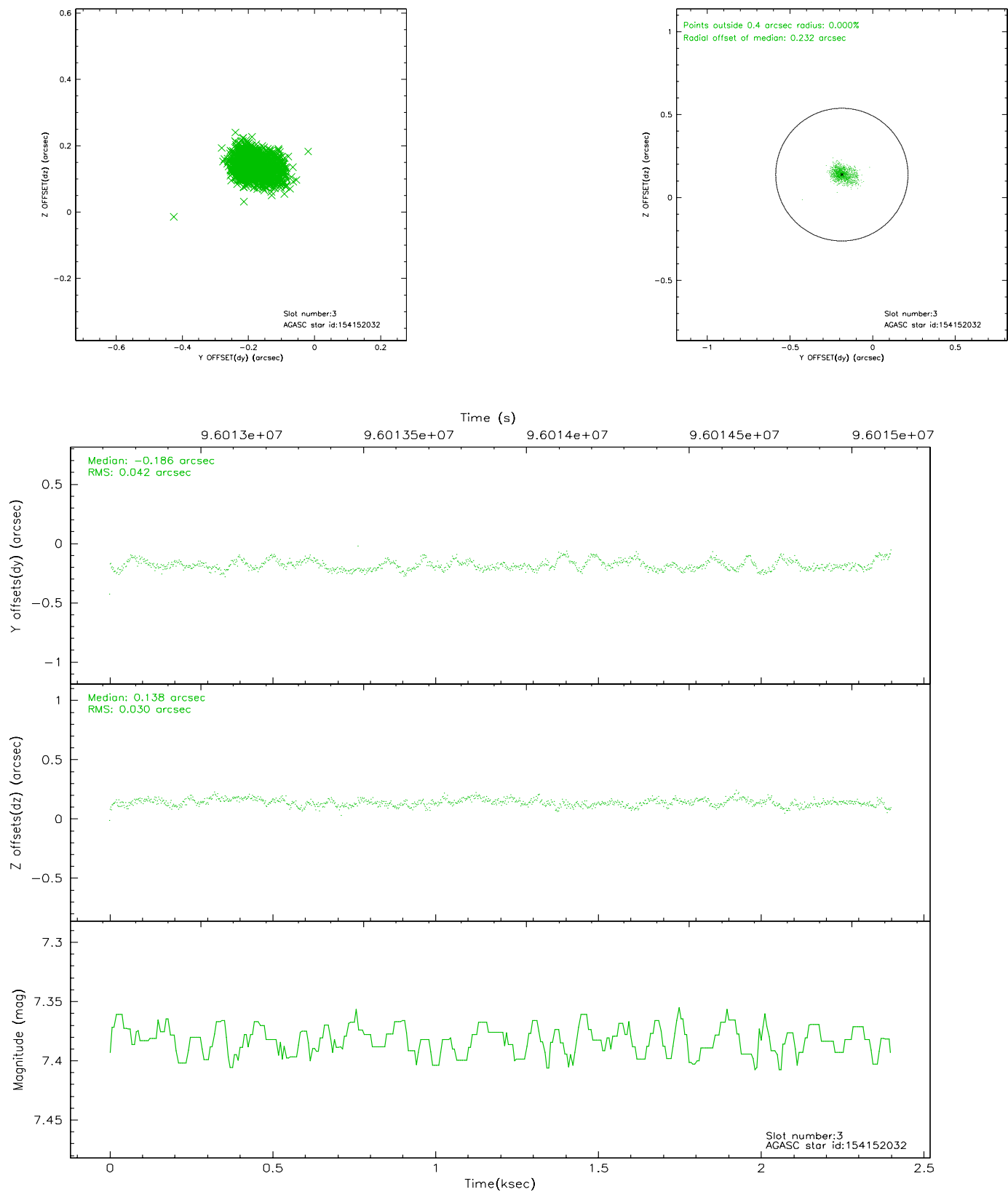
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	586	-0.021	-0.029	0.009	0.015	0.000000	0.000000	-756.63	-836.24
1	FID	ACIS-I-4	7.18	586	-0.084	0.029	0.005	0.010	0.000000	0.000000	2156.15	1068.64
2	FID	ACIS-I-5	7.23	586	0.003	0.069	0.008	0.014	0.000000	0.000000	-1806.95	1069.60
3	GUIDE	154152032	7.38	1172	-0.186	0.138	0.054	0.090	356.404994	13.152657	-2054.07	2076.25
4	GUIDE	153755848	8.21	1172	0.144	-0.122	0.064	0.108	355.862974	11.602041	1834.33	-2356.75
5	GUIDE	154149672	8.61	1171	-0.140	-0.102	0.058	0.097	355.501131	12.743795	-2359.29	-1408.80
6	GUIDE	153747784	9.61	1171	0.040	-0.043	0.078	0.131	355.989457	12.221606	123.37	-860.38
7	GUIDE	154150888	9.62	1170	0.134	0.132	0.111	0.170	356.625986	12.696712	-243.85	1932.31

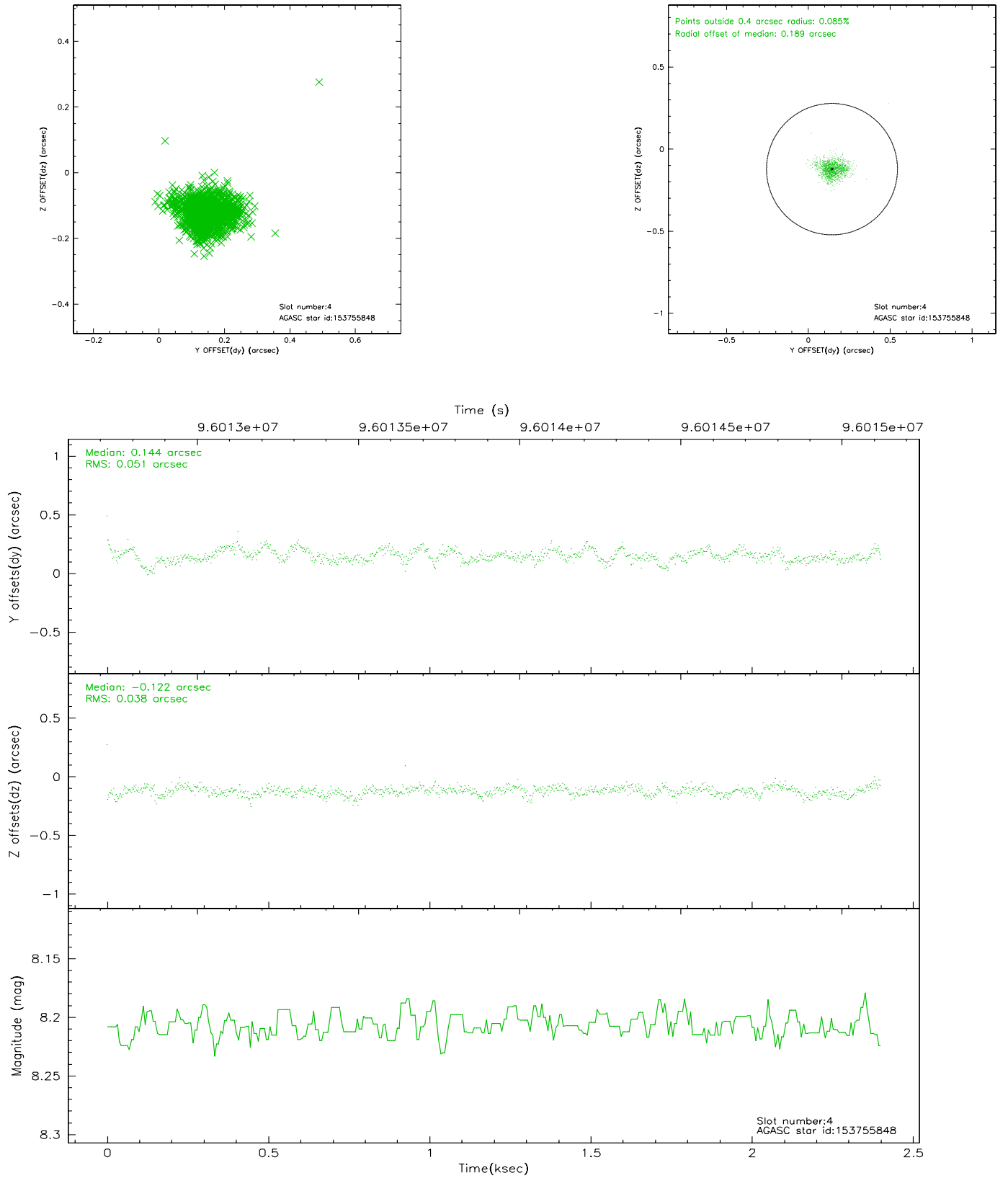


## 2.4 Star Slots

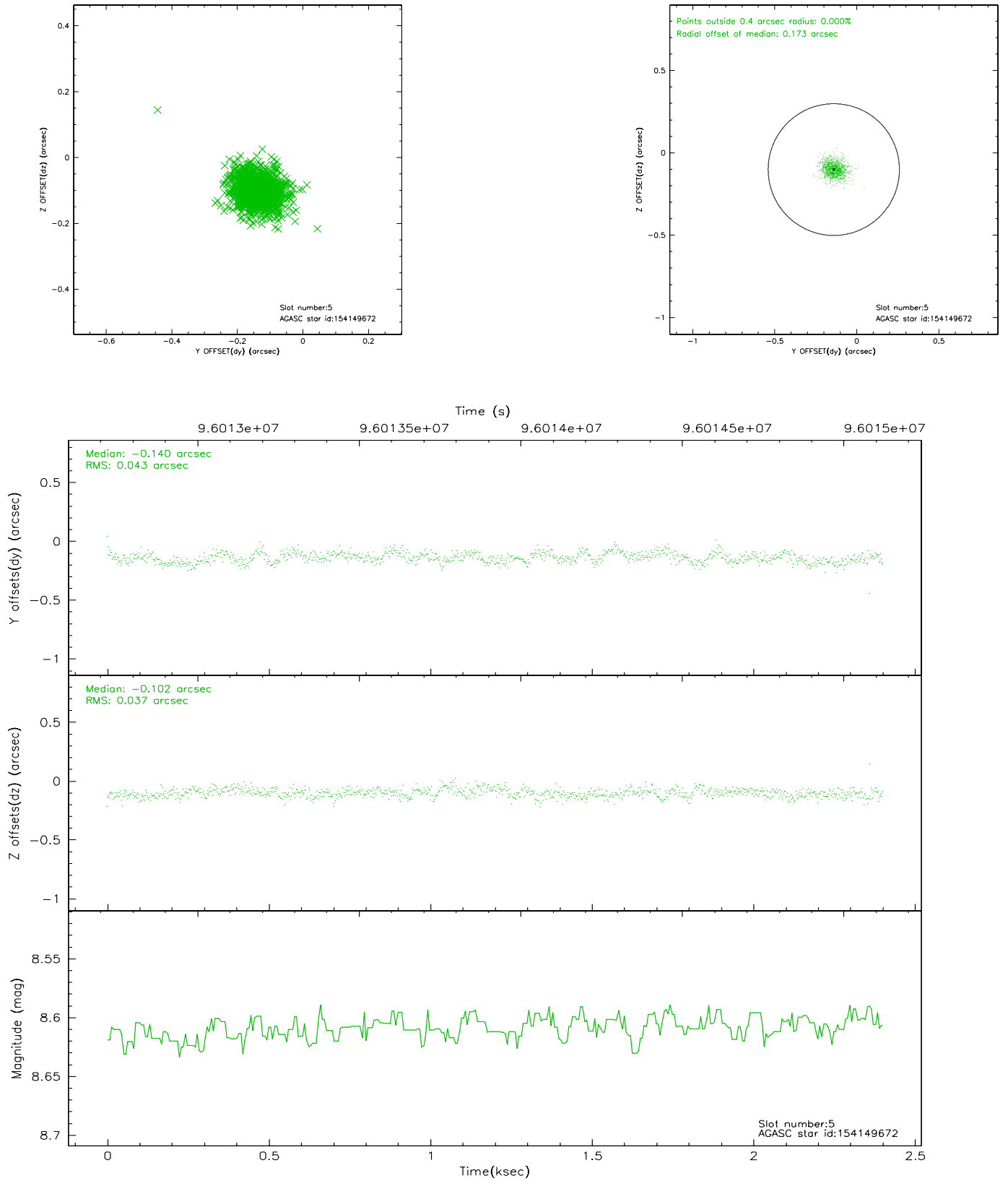
### 2.4.1 Slot 3



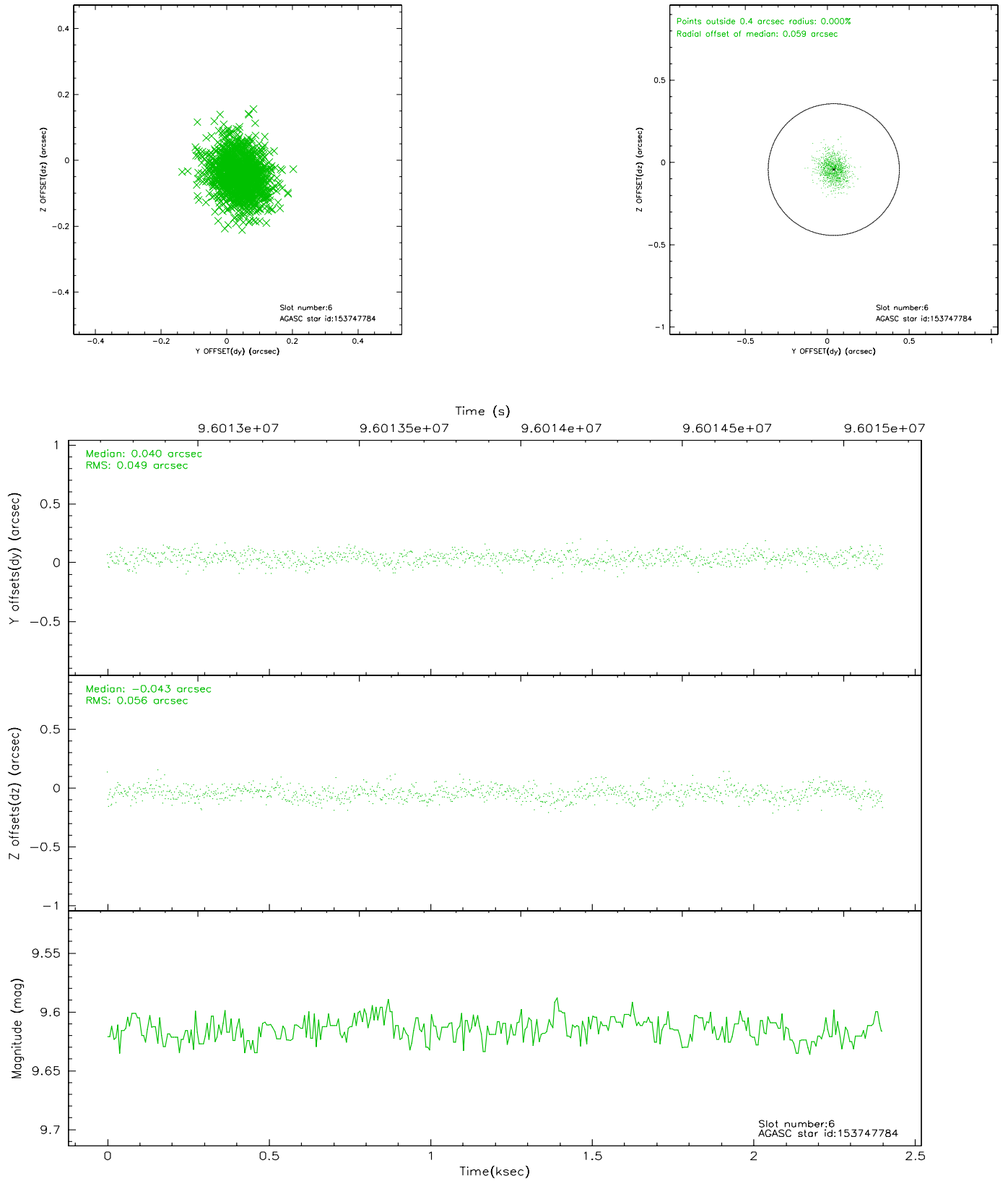
## 2.4.2 Slot 4



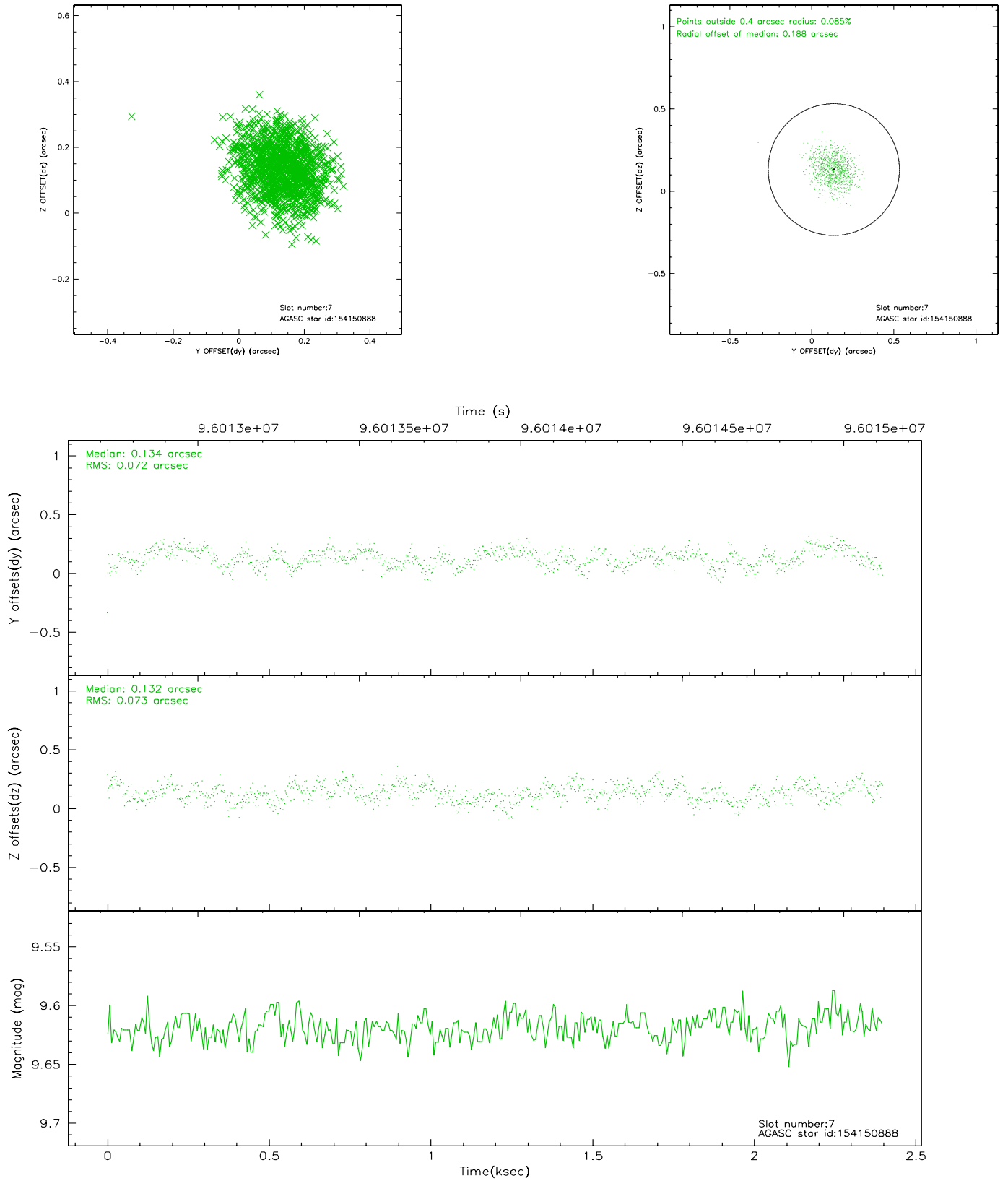
### 2.4.3 Slot 5



## 2.4.4 Slot 6

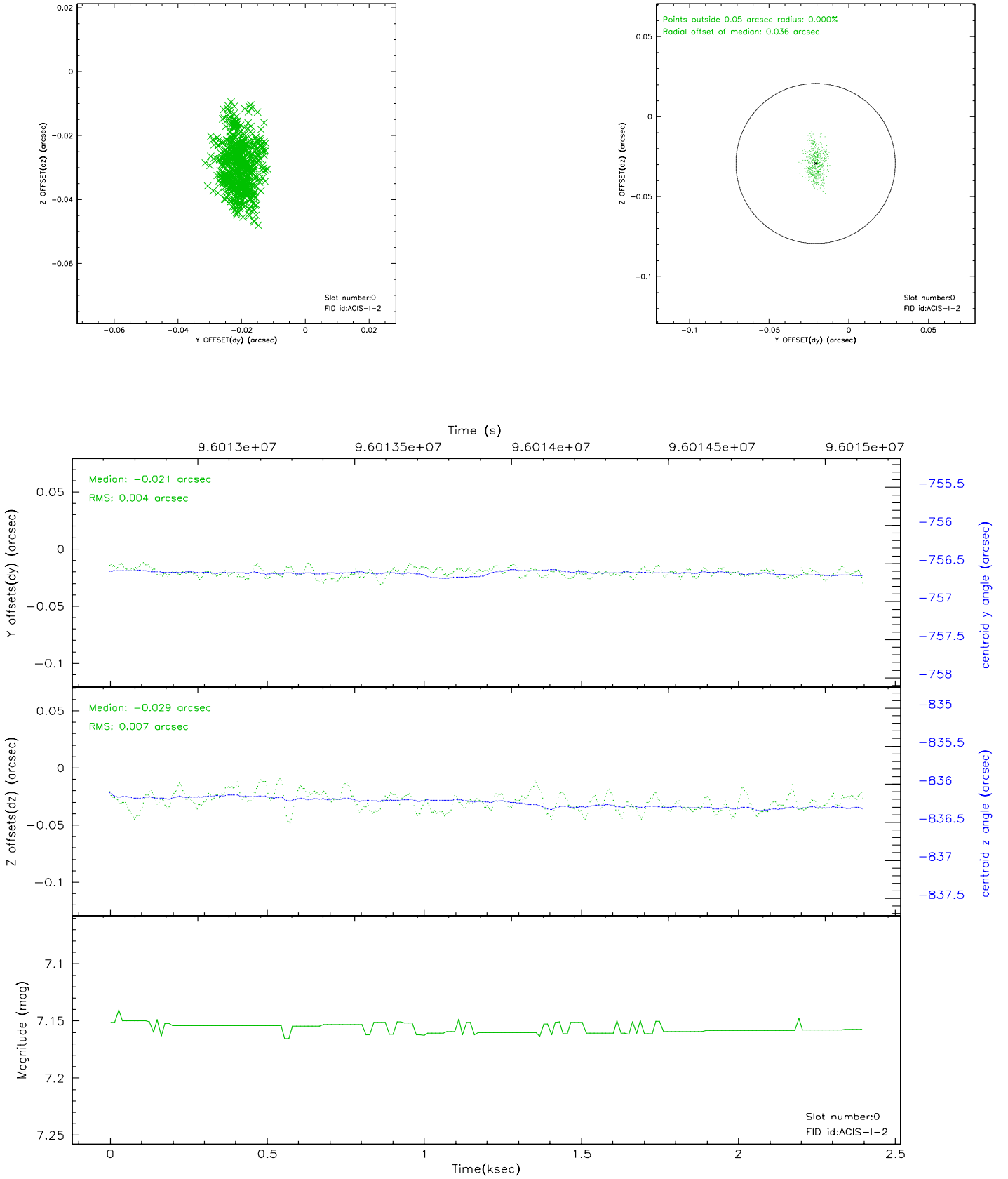


## 2.4.5 Slot 7

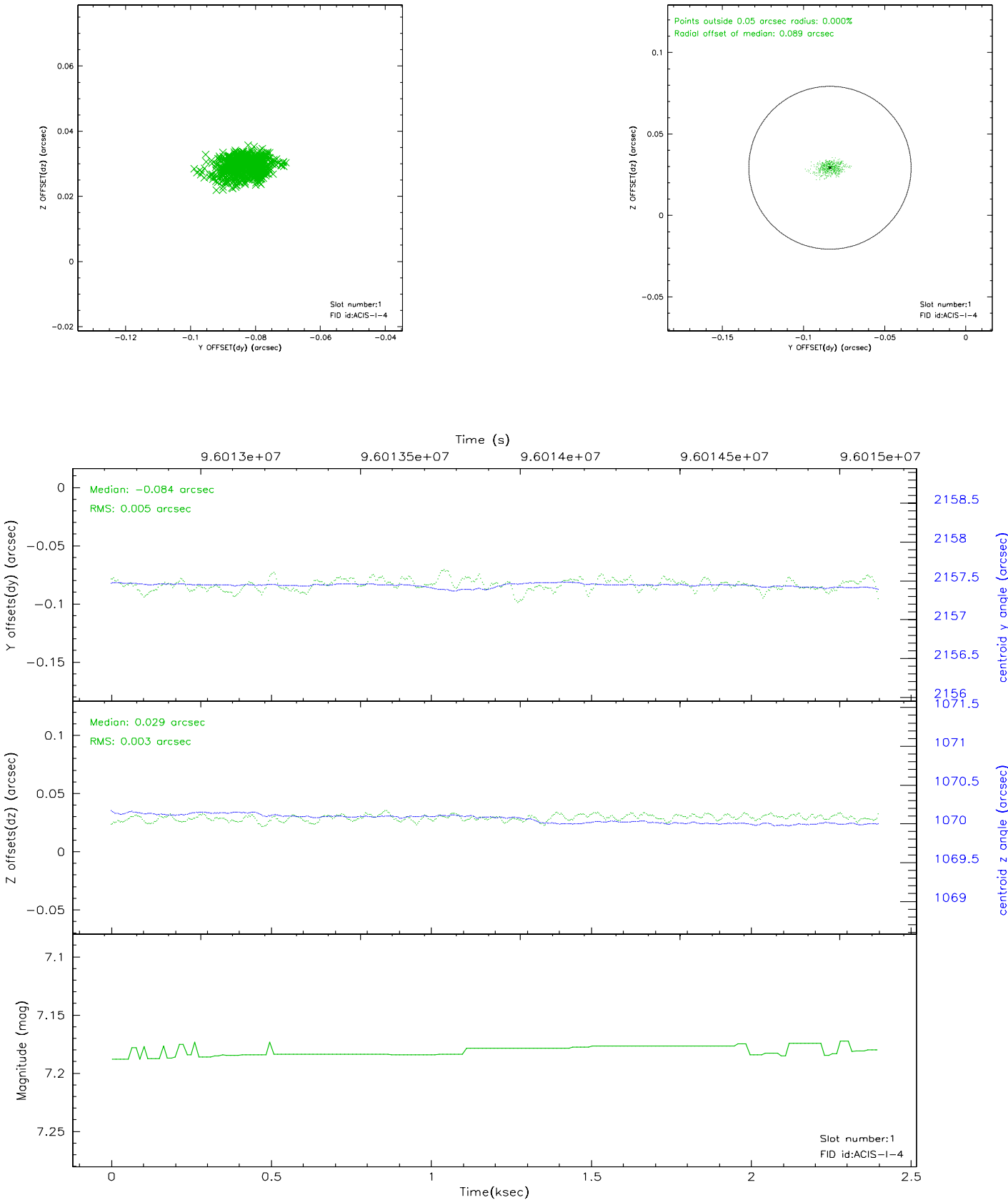


## 2.5 FID Slots

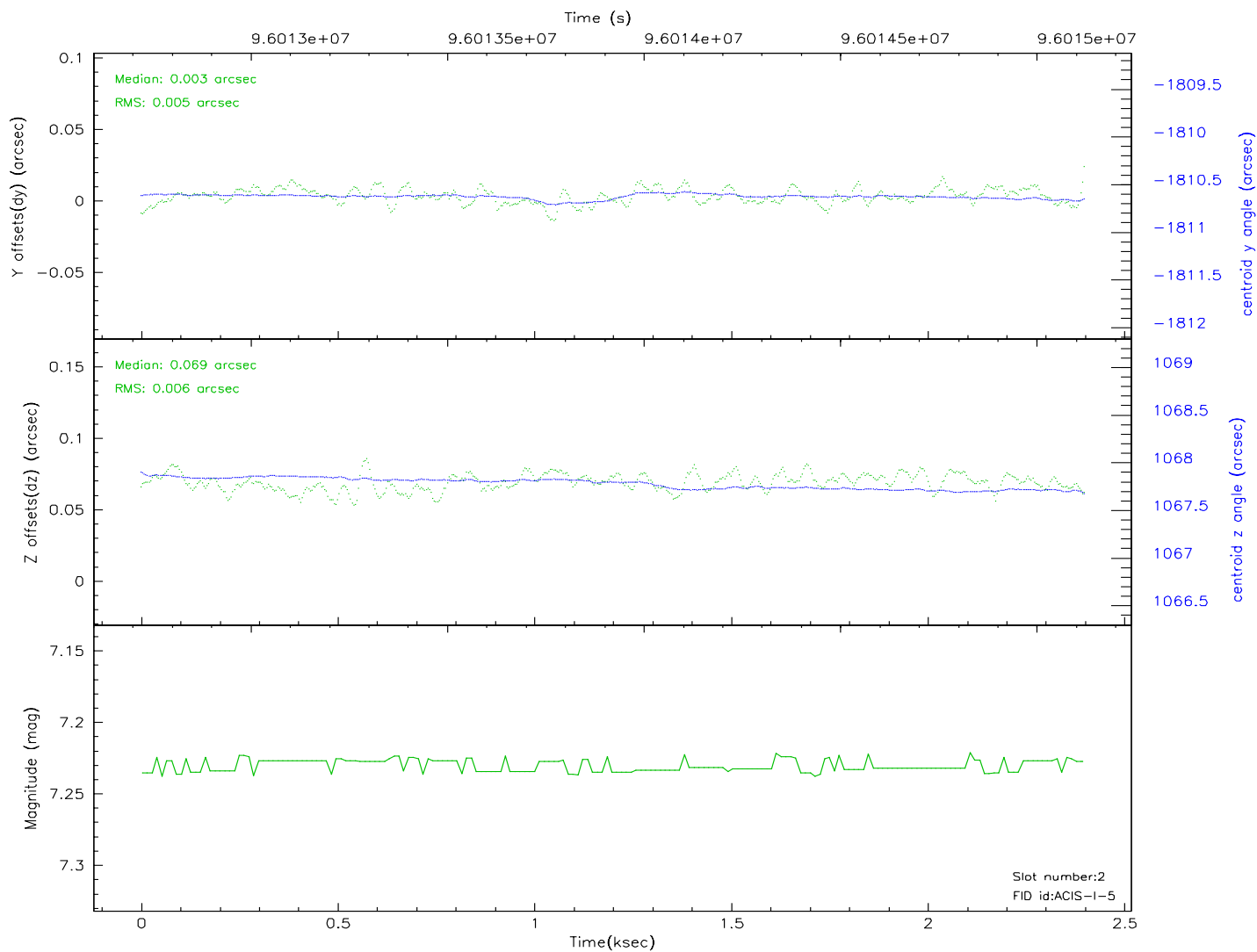
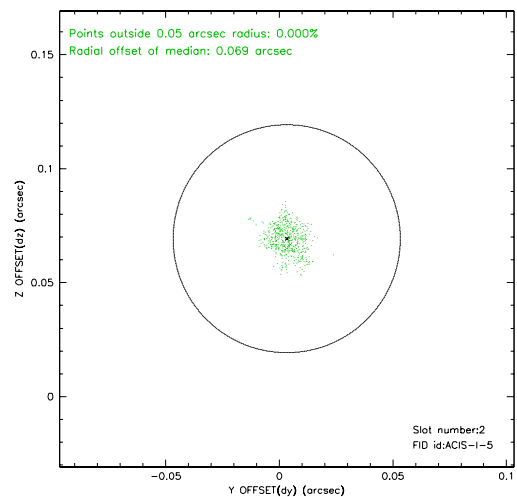
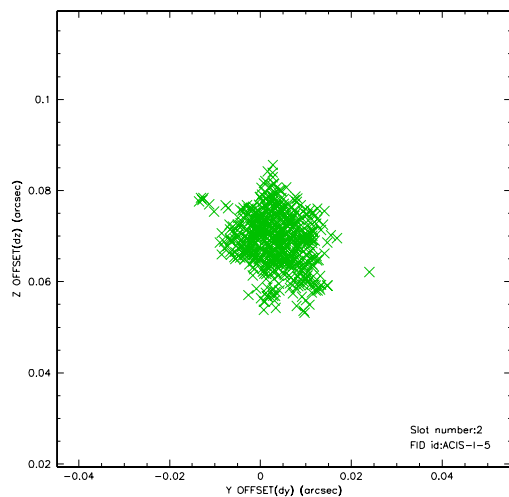
### 2.5.1 Slot 0



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)	2006.11.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.036

### A.2 Comments