

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 1874 - L2 Version 001  
Chandra X-Ray Center

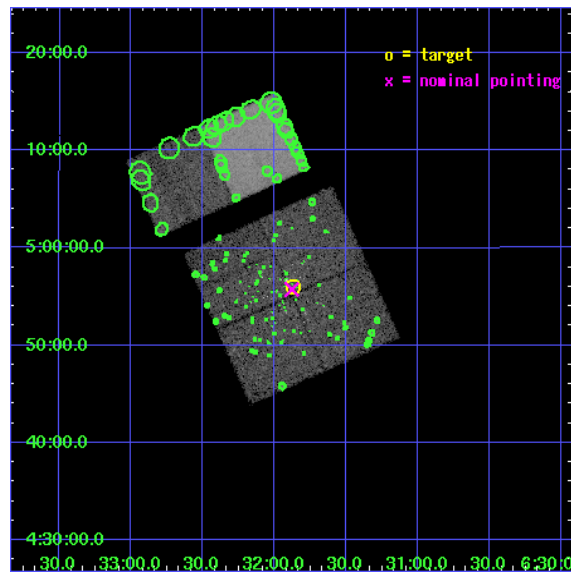
L2 Processing Date : Nov 2 2006

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# 1 Front

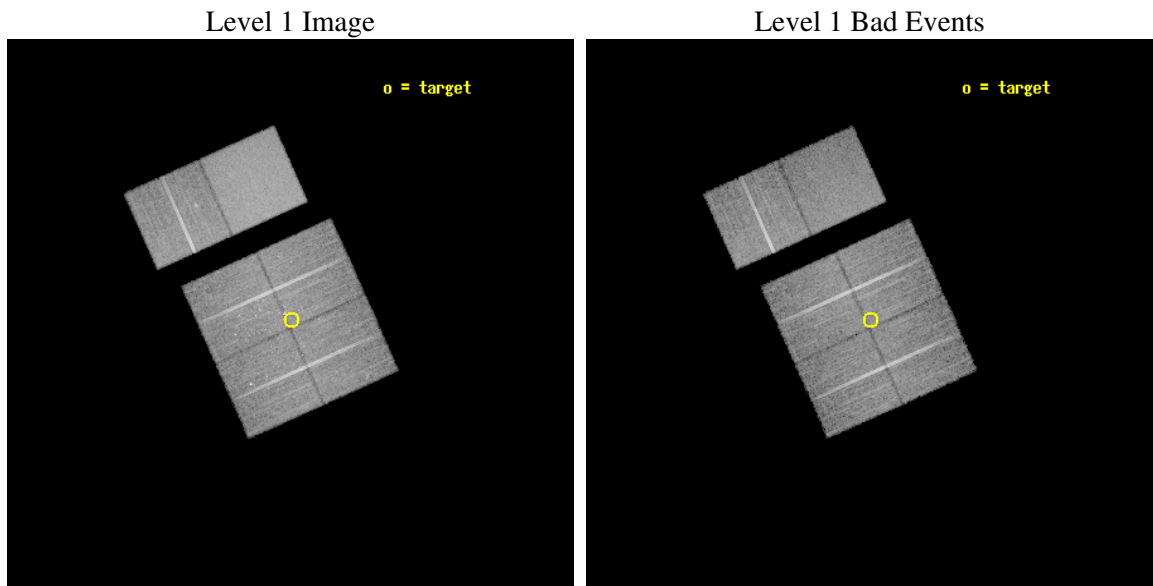
seq_num	200102
obs_id	1874
title	STAR FORMATION IN THE ROSETTE MOLECULAR CLOUD
observer	Dr. Leisa Townsley
object	ROSETTE FIELD 1
dtcycle	0
cycle	P
ra_targ	97.966667
dec_targ	4.9325
ra_nom	97.969976199551
dec_nom	4.9289599968367
roll_nom	335.85569052749
revision	2
ontime	19955.200018585
livetime	19702.515260371
ontime0	19955.200018585
ontime1	19955.200018585
ontime2	19955.200018585
ontime3	19955.200018585
ontime6	19955.200018585
ontime7	19955.200018585
l2events	157870



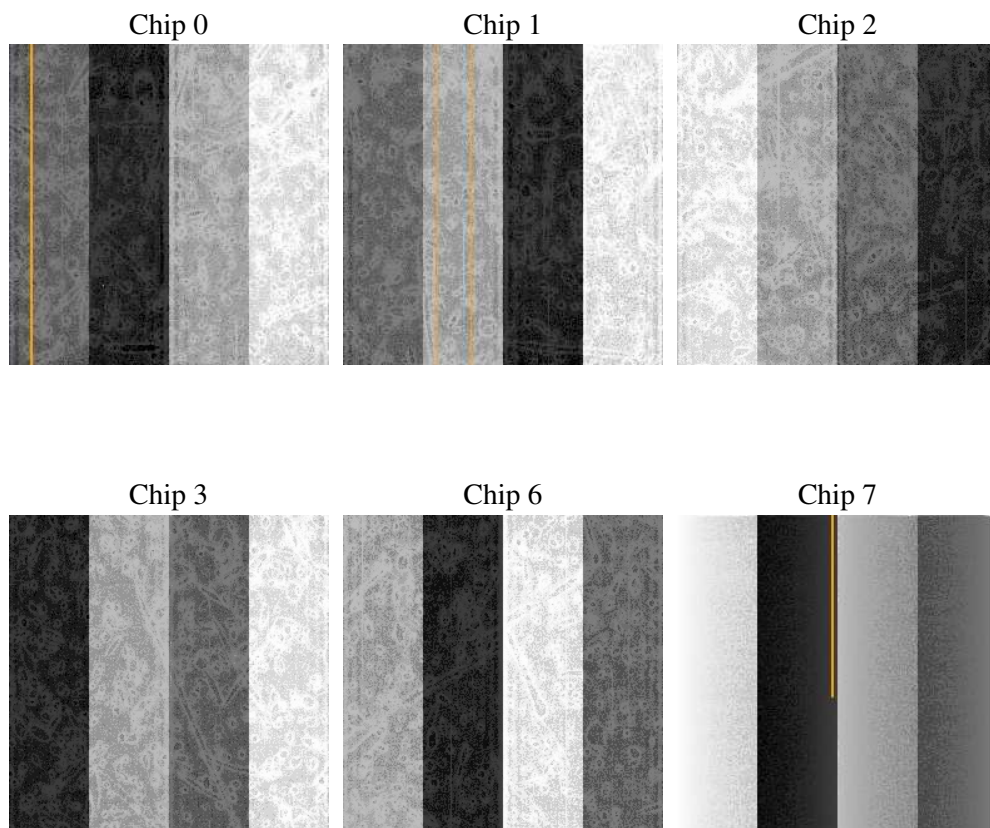
## 2 OBI

### 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	2006-11-02T12:46:54
revision	2

sched_exp_time	20000.000000
ontime	19961.335165516
ontime0	19961.335165516
ontime1	19961.335165516
ontime2	19961.335165516
ontime3	19961.335165516
ontime6	19958.094165385
ontime7	19961.335185453
l1events	776971

### 2.1.4 Events

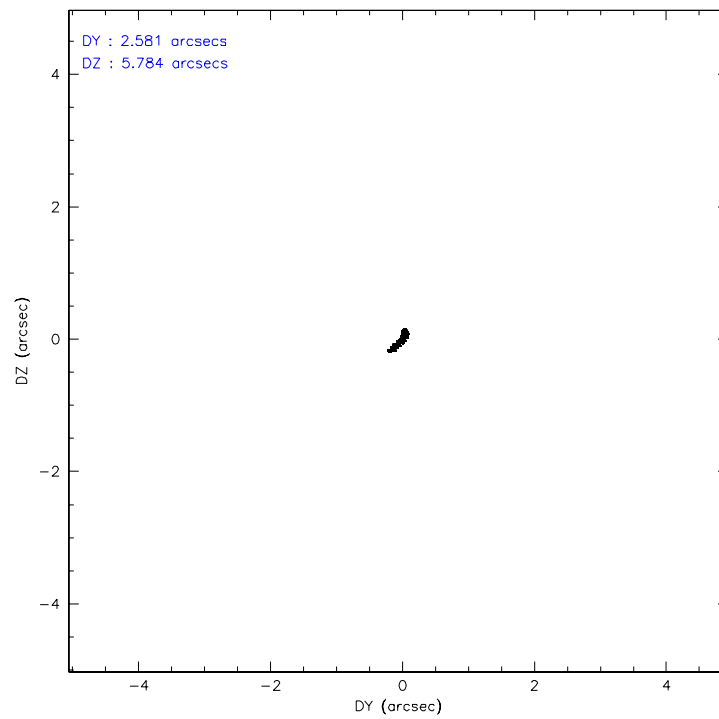
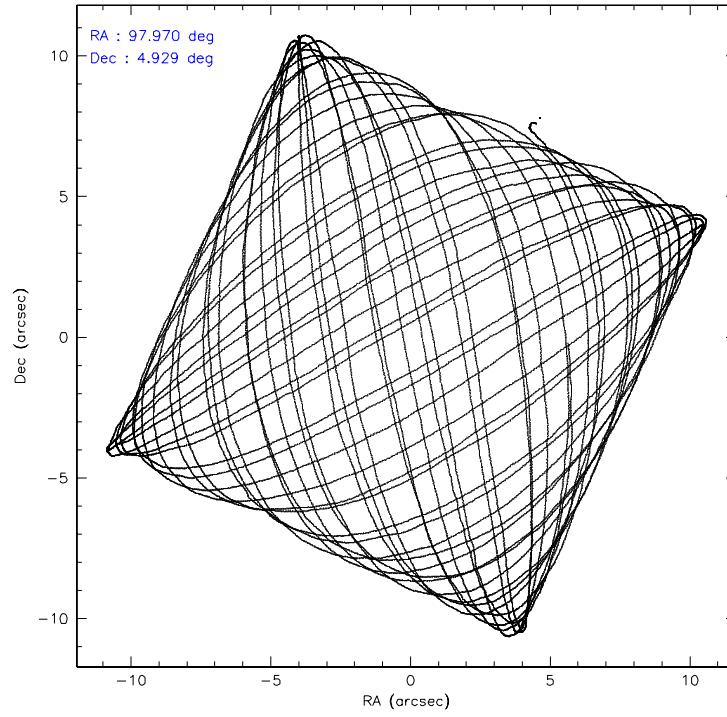
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	115923	113858	124671	123079	127962	171478
rejected events	96332	94861	105211	104562	110111	94527
rejected %	83%	83%	84%	84%	86%	55%

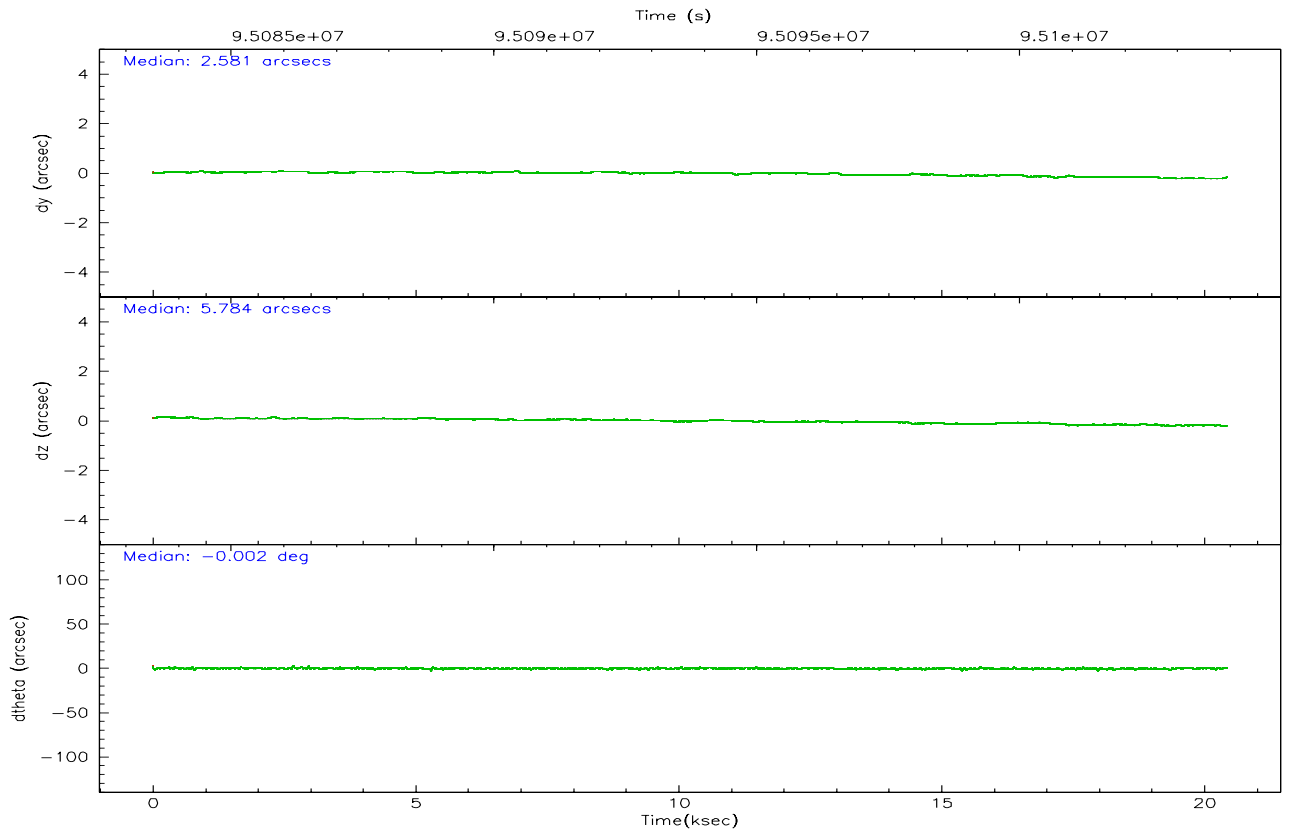
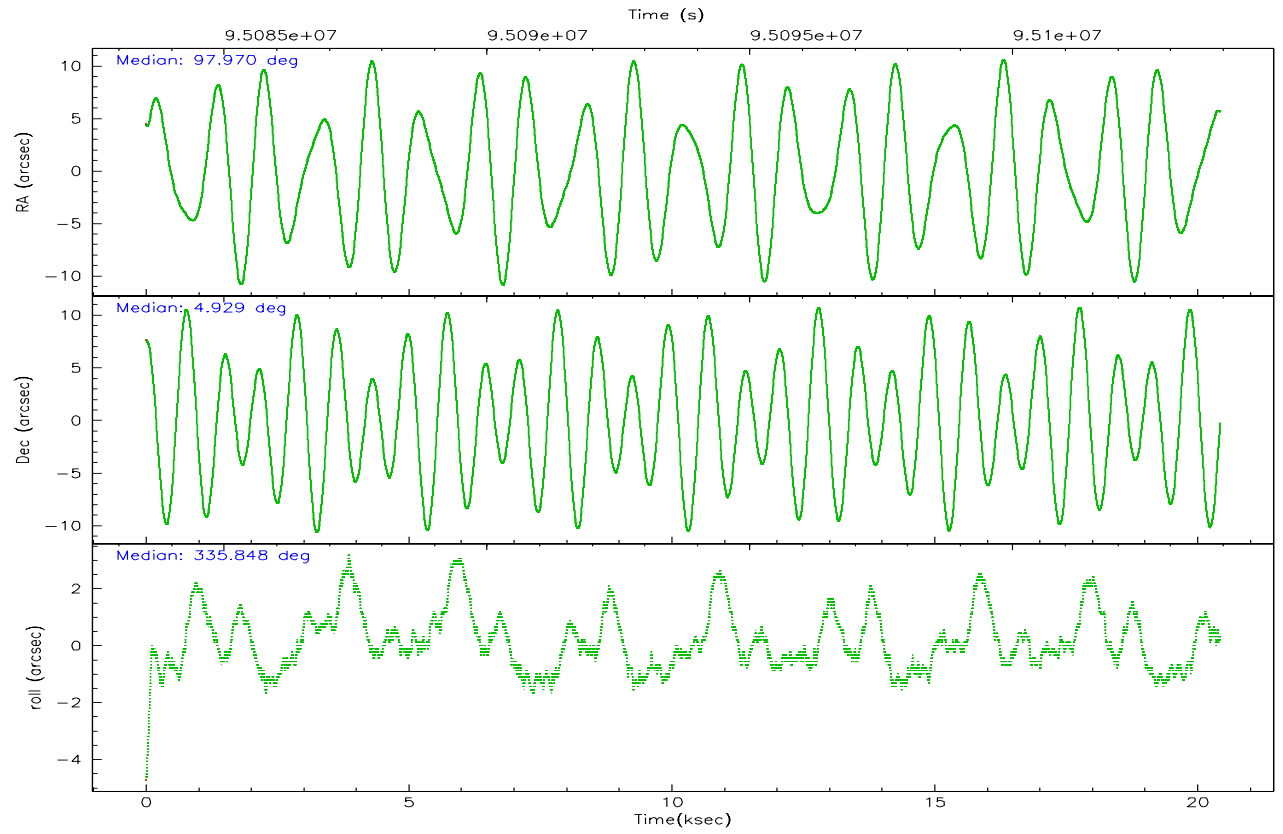
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	10677	9772	10722	9869	8855	5907
	9%	8%	8%	8%	6%	3%
grade 1 events	69	72	76	79	77	93
	0%	0%	0%	0%	0%	0%
grade 2 events	3420	3248	3451	3201	3237	17863
	2%	2%	2%	2%	2%	10%
grade 3 events	1597	1625	1468	1453	1515	4360
	1%	1%	1%	1%	1%	2%
grade 4 events	1392	1525	1386	1447	1409	4324
	1%	1%	1%	1%	1%	2%
grade 5 events	4199	4522	4079	4452	5066	10389
	3%	3%	3%	3%	3%	6%
grade 6 events	2511	2832	2439	2549	2838	44519
	2%	2%	1%	2%	2%	25%
grade 7 events	92058	90262	101050	100029	104965	84023
	79%	79%	81%	81%	82%	48%

## 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	97.942501	97.96997619955118	Subarray requested	NONE	NONE
Pointing Dec	4.926204	4.928959996836694	Alternating exposures requested	N	N
Pointing Roll	335.649368	335.8556905274899	Primary exposure time	0.000000	3.2
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	95083941.184000	95082857.291161			
Observation start date	2001-01-05T12:11:17	2001-01-05T11:54:17			
Observation end time	95103941.184000	95104075.816975			
Observation end date	2001-01-05T17:44:37	2001-01-05T17:47:55			
Read mode	TIMED	TIMED			

## 2.3 Aspect





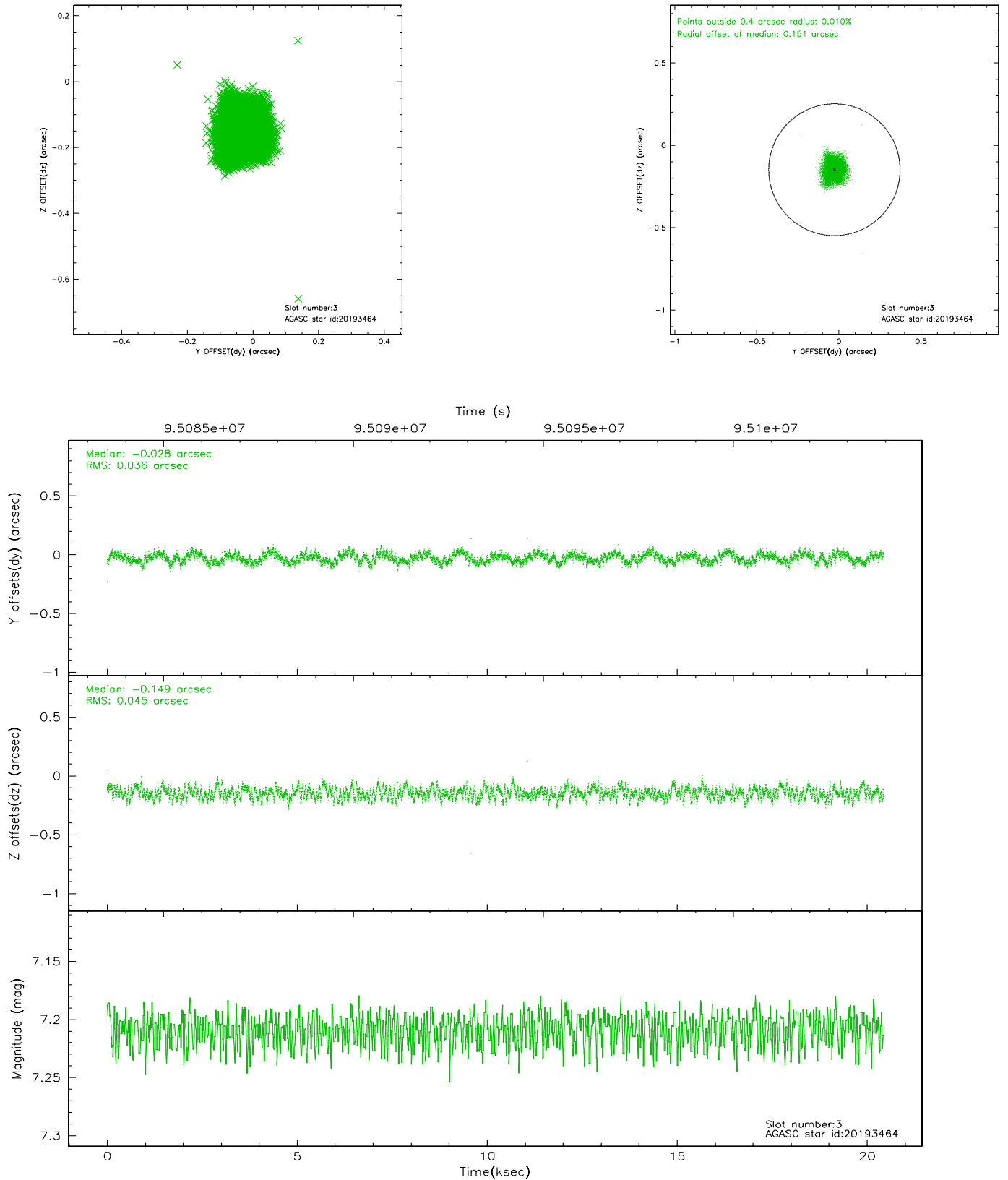
### Slot Statistics

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	4983	-0.016	-0.019	0.009	0.015	0.000000	0.000000	-756.94	-835.51
1	FID	ACIS-I-4	7.18	4983	-0.061	0.024	0.007	0.012	0.000000	0.000000	2157.00	1070.60
2	FID	ACIS-I-5	7.23	4982	-0.024	0.064	0.009	0.015	0.000000	0.000000	-1810.53	1068.71
3	GUIDE	20193464	7.21	9965	-0.028	-0.149	0.061	0.098	98.229775	5.396674	239.07	1968.42
4	GUIDE	20185648	7.57	9966	0.065	0.038	0.064	0.098	98.038775	4.823536	466.90	-193.23
5	GUIDE	20198352	8.56	9964	-0.102	0.081	0.060	0.096	97.622114	4.757293	-796.72	-1026.93
6	GUIDE	20192040	8.28	9966	0.097	-0.034	0.084	0.126	97.909981	5.026773	-255.78	282.36
7	GUIDE	20188336	7.98	9965	-0.033	0.066	0.061	0.097	98.476710	4.662384	2137.28	-73.10

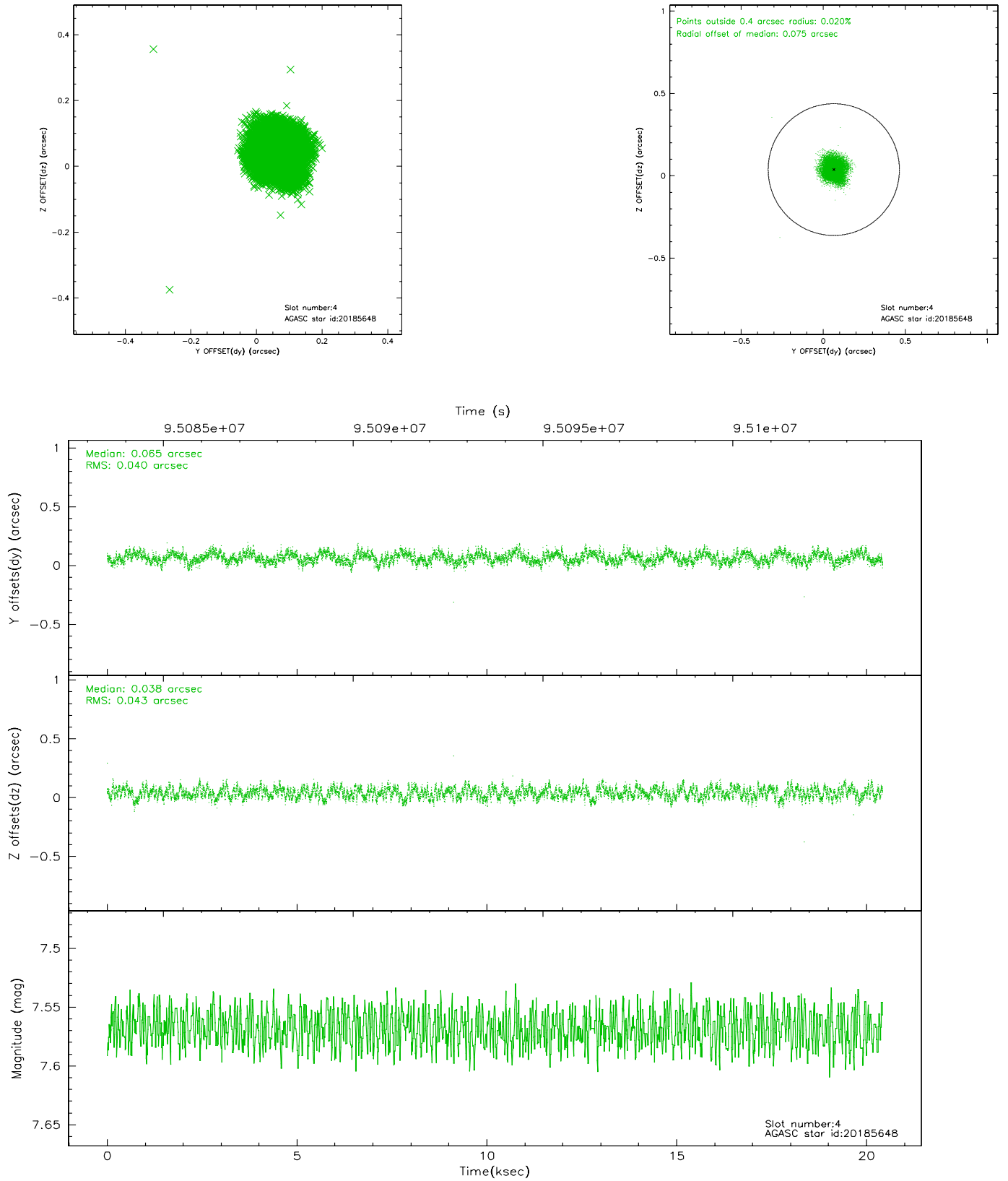


## 2.4 Star Slots

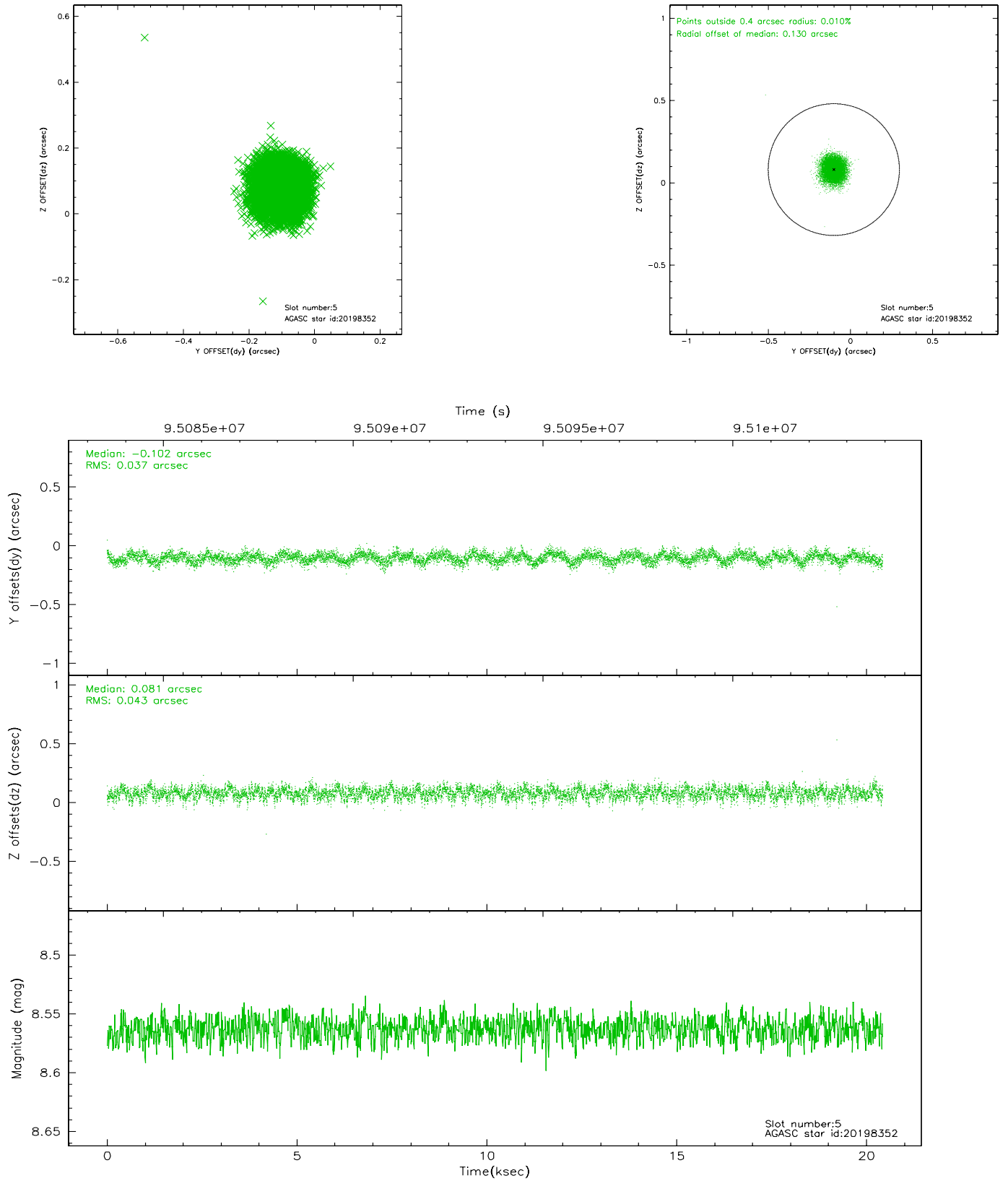
### 2.4.1 Slot 3



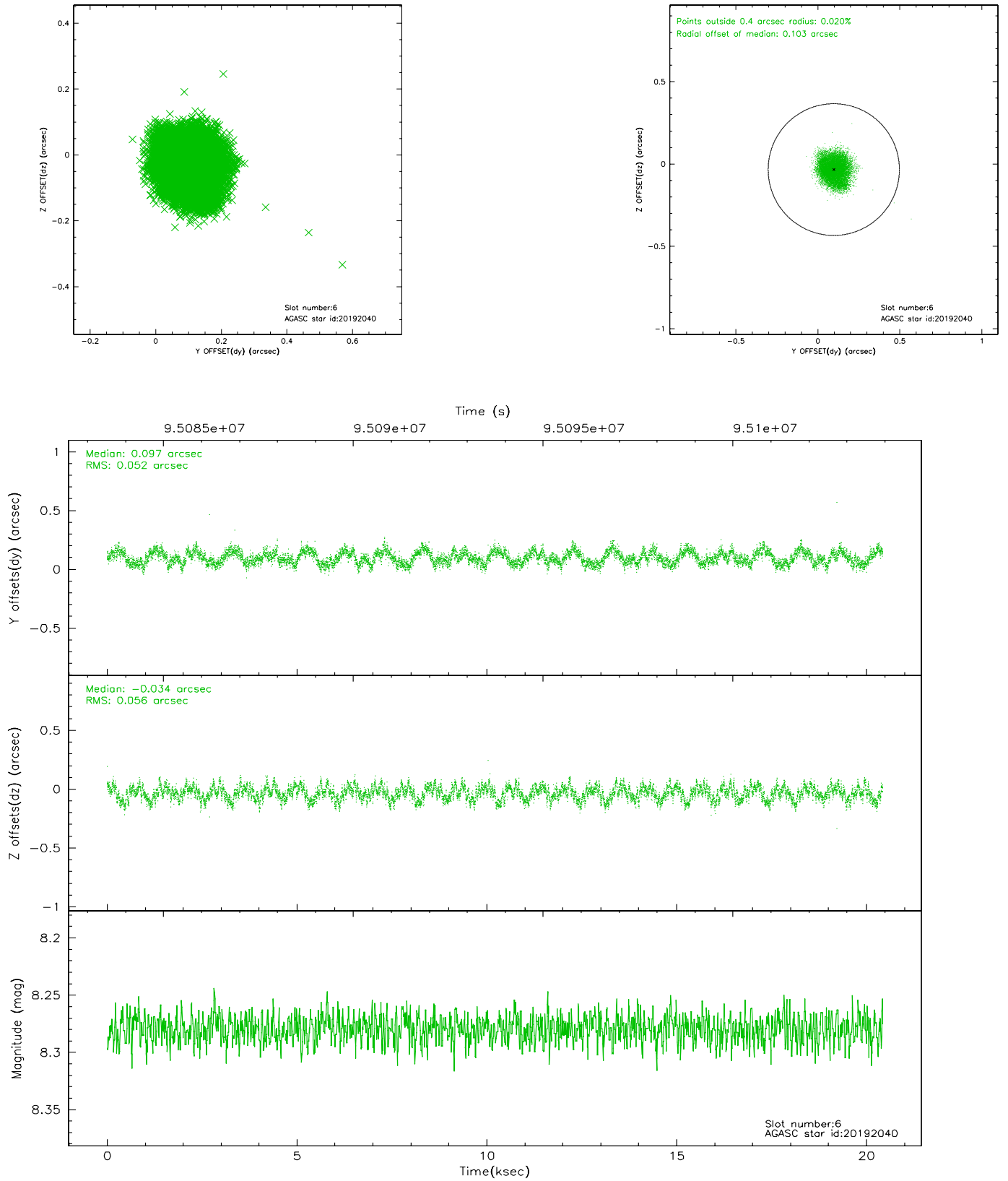
## 2.4.2 Slot 4



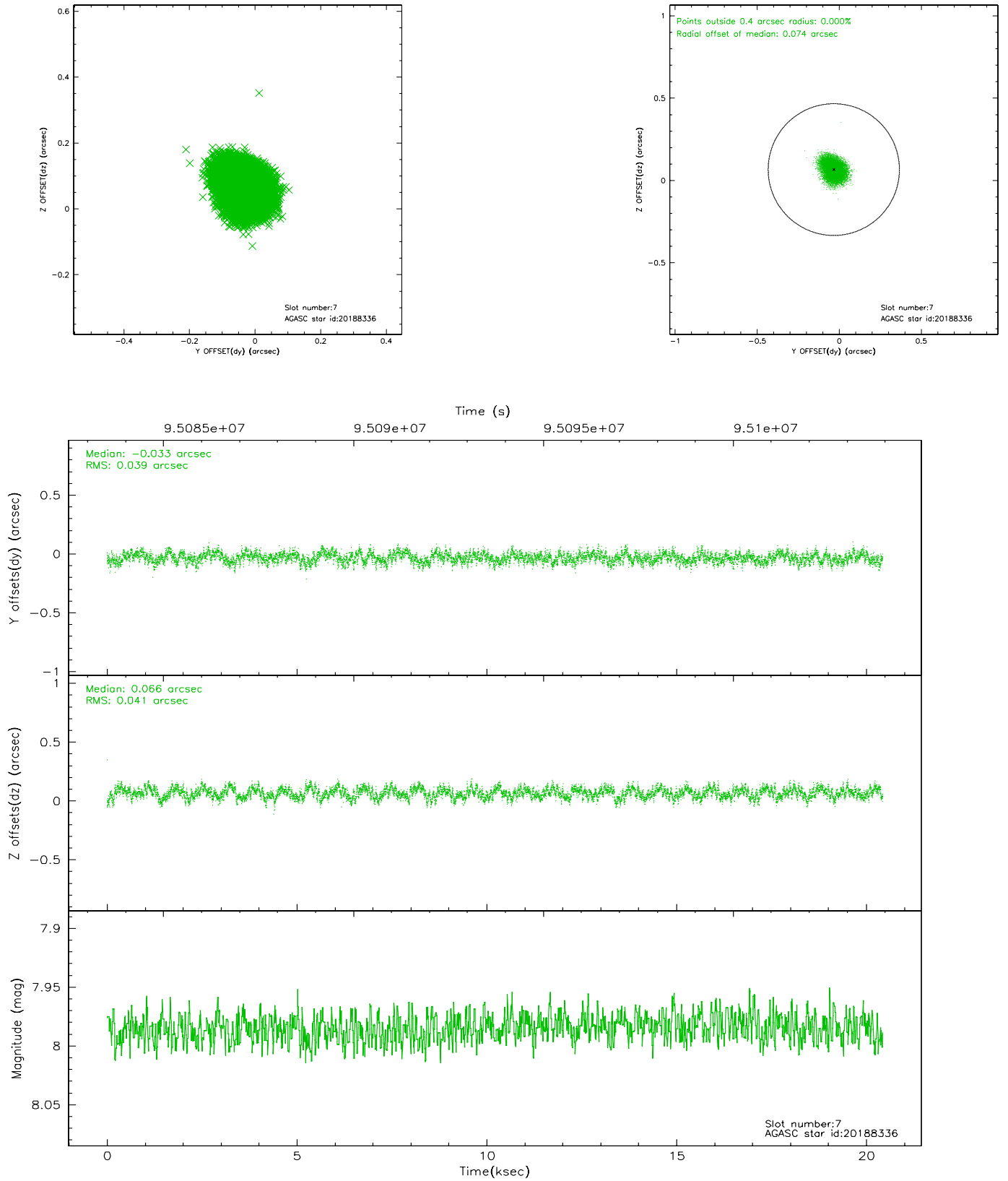
### 2.4.3 Slot 5



## 2.4.4 Slot 6

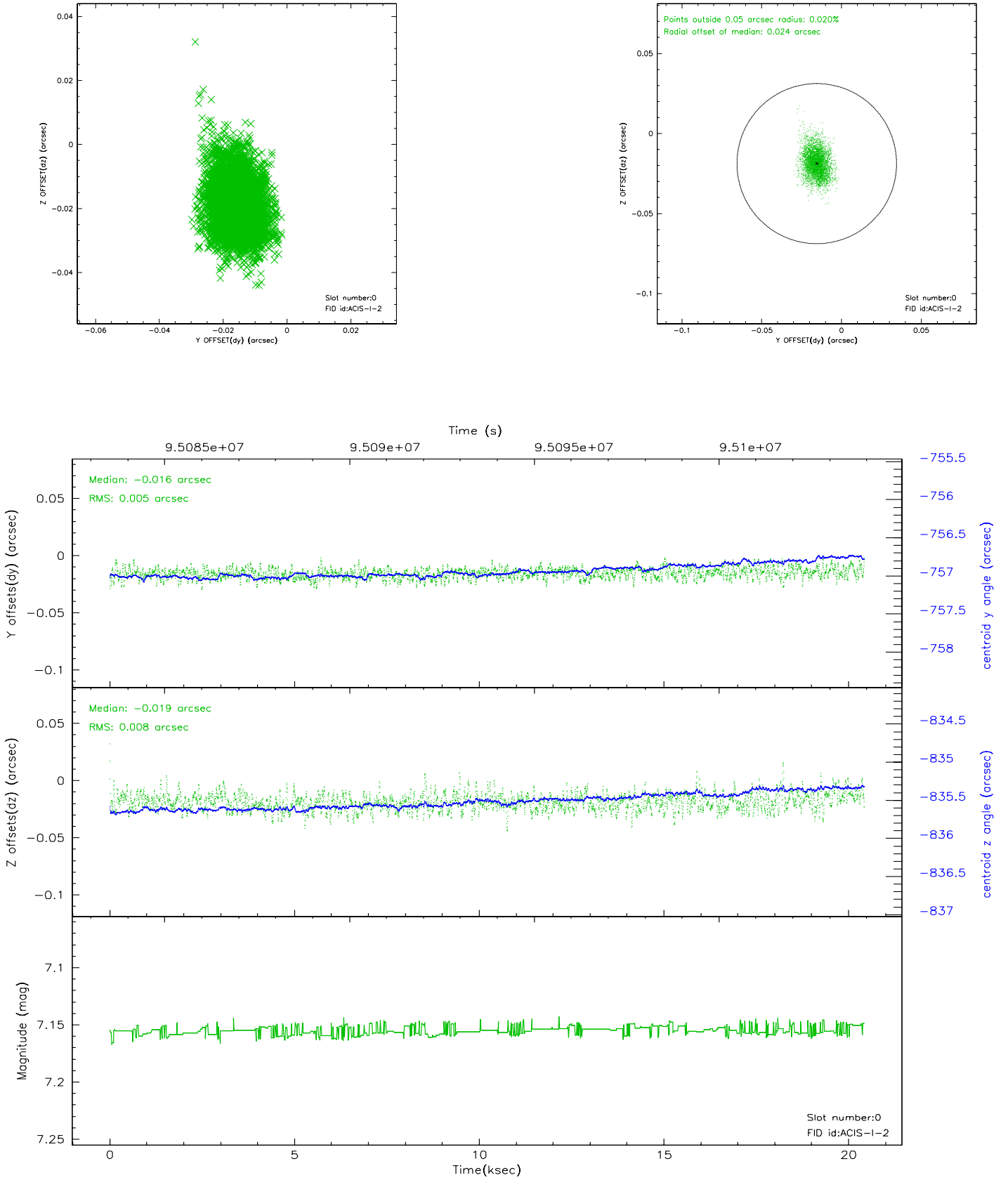


## 2.4.5 Slot 7

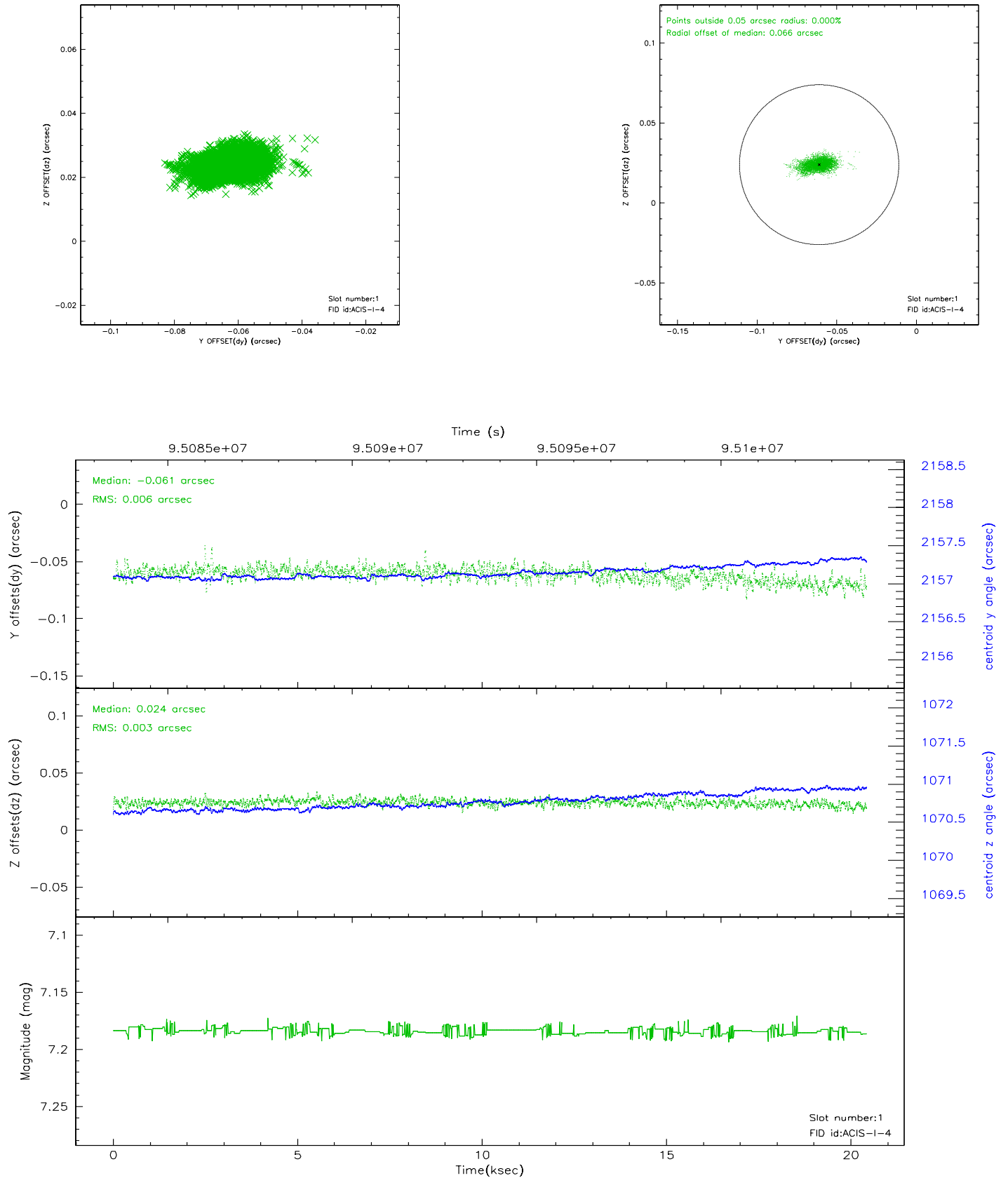


## 2.5 FID Slots

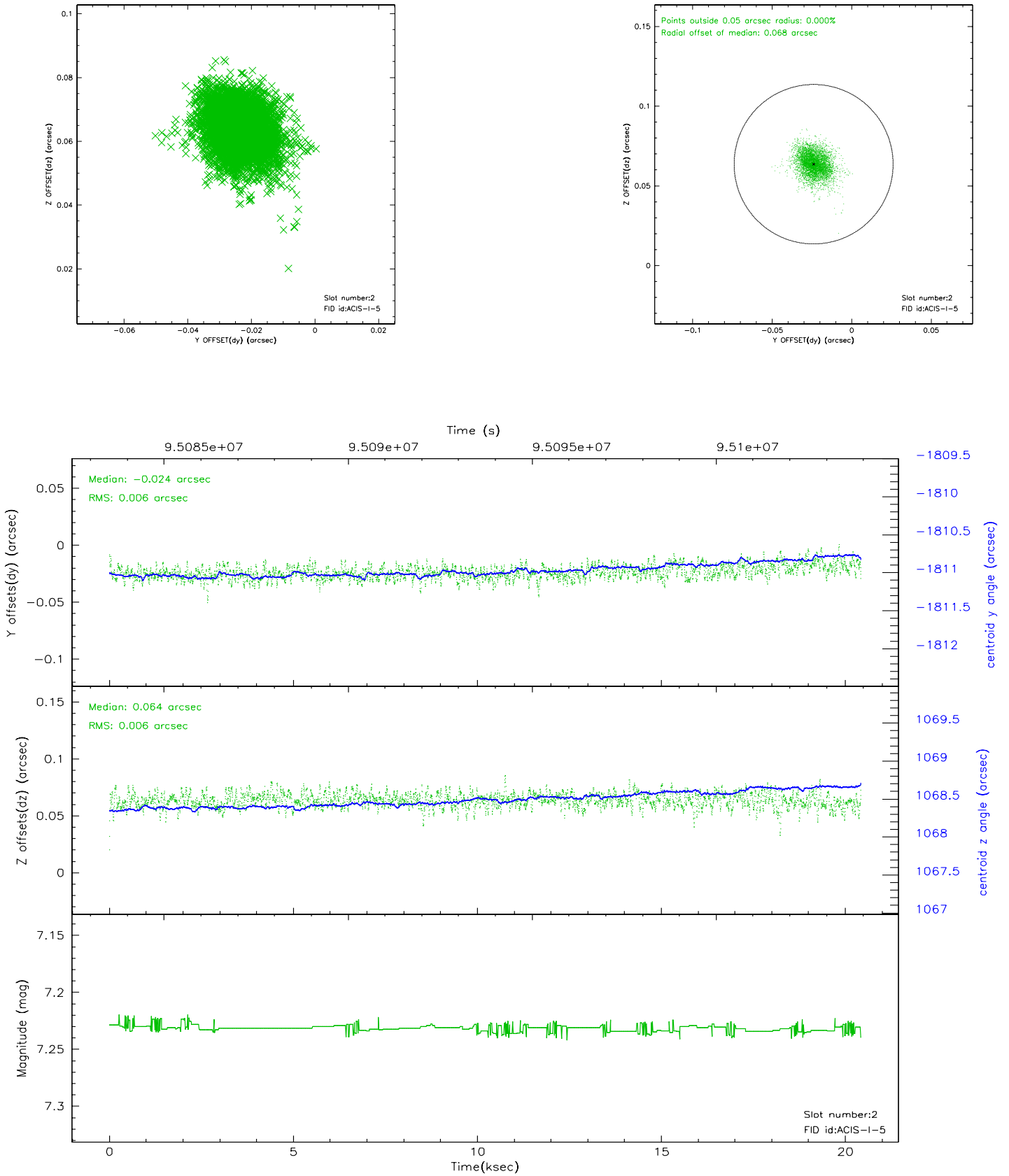
### 2.5.1 Slot 0



## 2.5.2 Slot 1

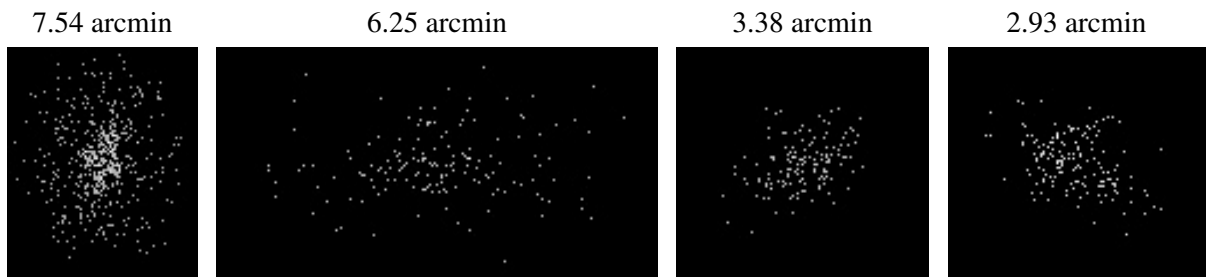


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.11.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.958

### A.2 Comments