

# V&V Reference Report

## L2 ASCDS Version : 7.6.10

Observation 1882 - L2 Version 001  
Chandra X-Ray Center

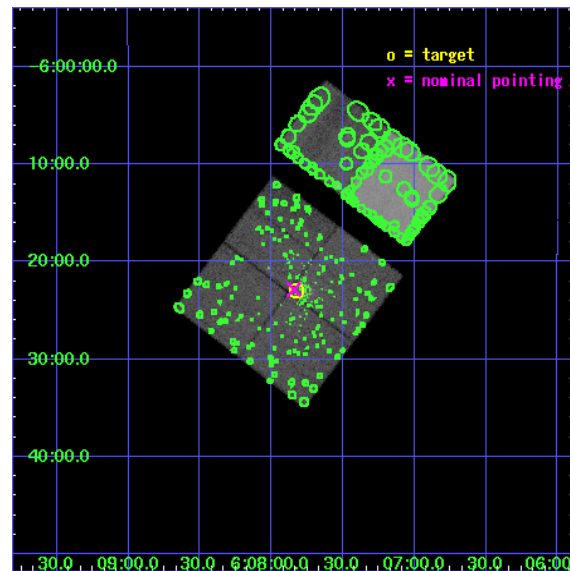
L2 Processing Date : Jun 18 2007

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# 1 Front

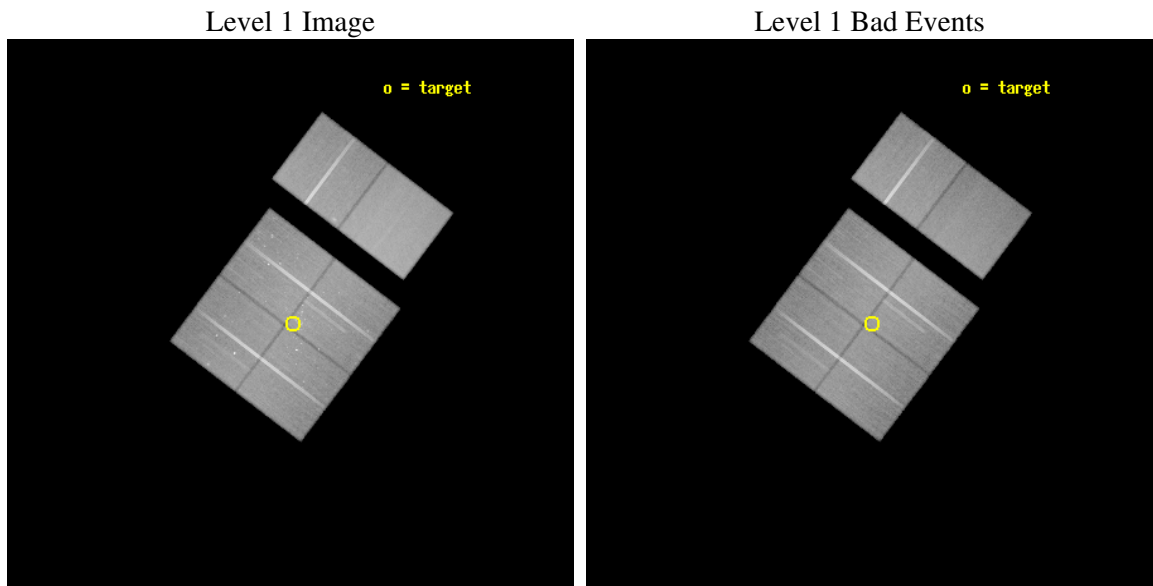
seq_num	200110
obs_id	1882
title	X-RAY EMISSION FROM HIGH MASS PRE-MAIN-SEQUENCE STARS
observer	Prof. Katsuji Koyama
object	MONOCEROS R2
dtcycle	0
cycle	P
ra_targ	91.95625
dec_targ	-6.381861
ra_nom	91.960955713148
dec_nom	-6.3806813312595
roll_nom	37.174713889427
revision	2
ontime	98079.959111109
livetime	96838.011612183
ontime0	98079.95910117
ontime1	98083.200091347
ontime2	98079.959121108
ontime3	98079.959111109
ontime6	98079.959121093
ontime7	98083.200091347
l2events	600351



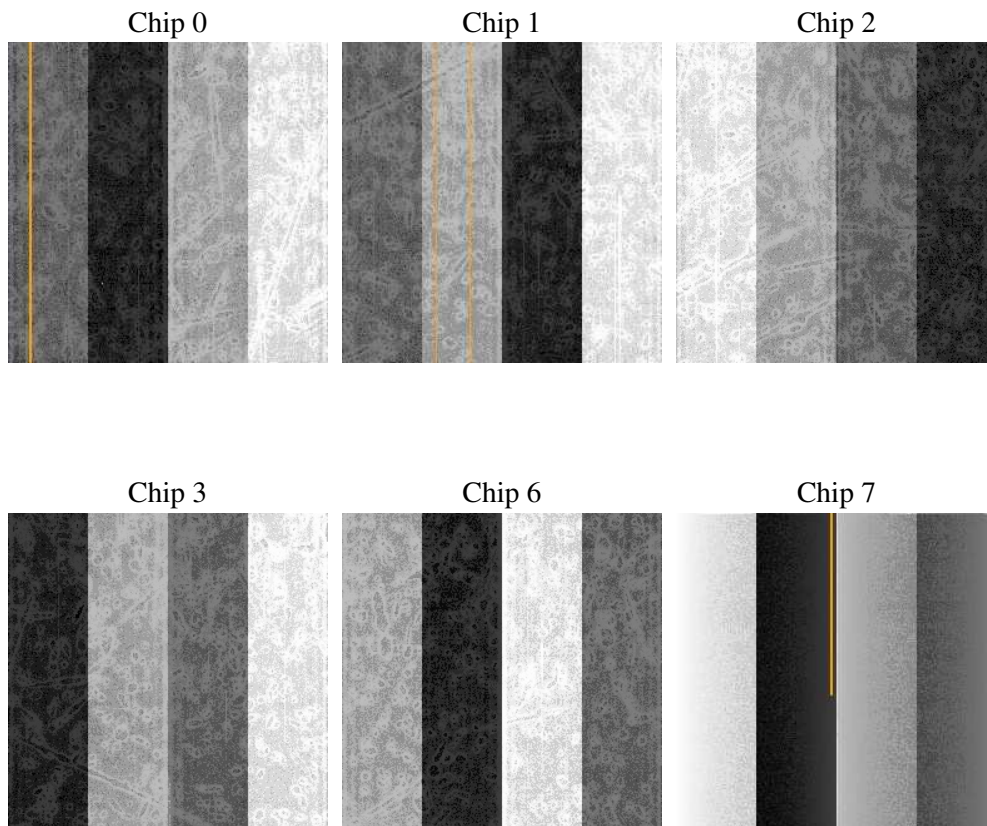
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.10
caldsver	3.4.0
date	2007-06-18T18:33:23
revision	2

sched_exp_time	97921.444000
ontime	98079.959111109
ontime0	98079.959101117
ontime1	98083.200091347
ontime2	98079.959121108
ontime3	98079.959111109
ontime6	98079.959121093
ontime7	98083.200091347
l1events	3417604

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	505017	519610	554206	556005	579734	703032
rejected events	432682	443996	482832	481758	511522	406689
rejected %	85%	85%	87%	86%	88%	57%

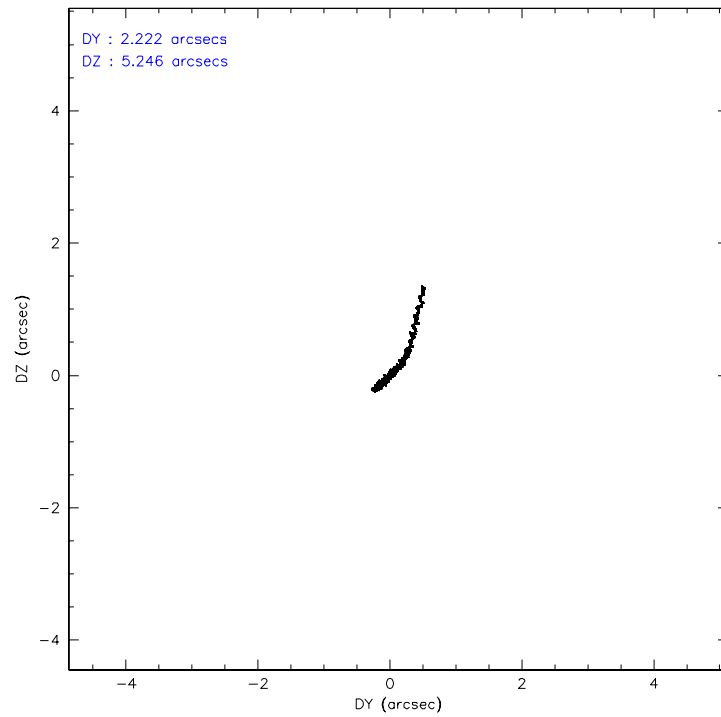
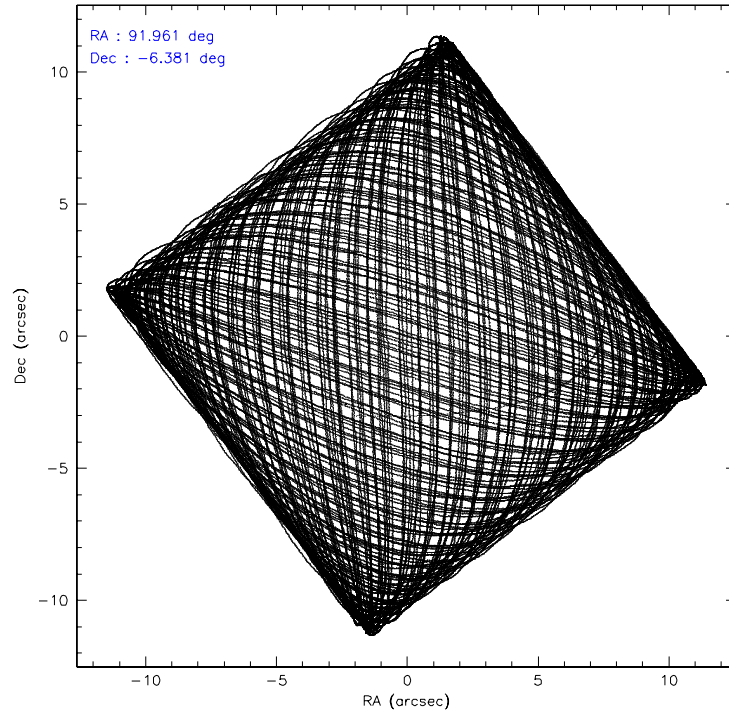
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	32648	32798	32460	34919	28107	28130
	6%	6%	5%	6%	4%	4%
grade 1 events	233	272	266	292	261	665
	0%	0%	0%	0%	0%	0%
grade 2 events	15086	15398	15046	14229	14399	58942
	2%	2%	2%	2%	2%	8%
grade 3 events	6536	7004	6166	6619	6425	27022
	1%	1%	1%	1%	1%	3%
grade 4 events	6089	7114	6169	6329	6204	26824
	1%	1%	1%	1%	1%	3%
grade 5 events	19092	20779	18365	20658	23210	66806
	3%	3%	3%	3%	4%	9%
grade 6 events	12130	13492	11700	12310	13224	156137
	2%	2%	2%	2%	2%	22%
grade 7 events	413203	422753	464034	460649	487904	338506
	81%	81%	83%	82%	84%	48%

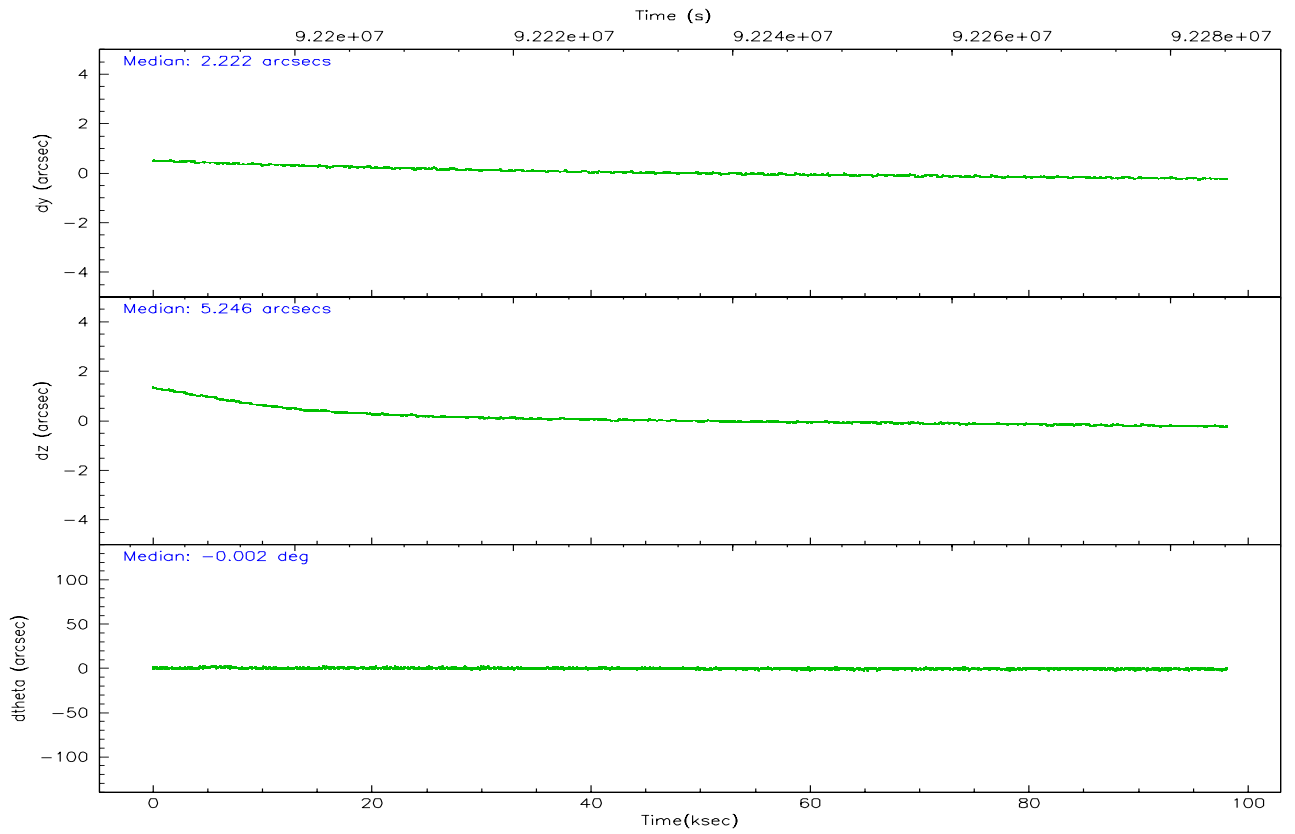
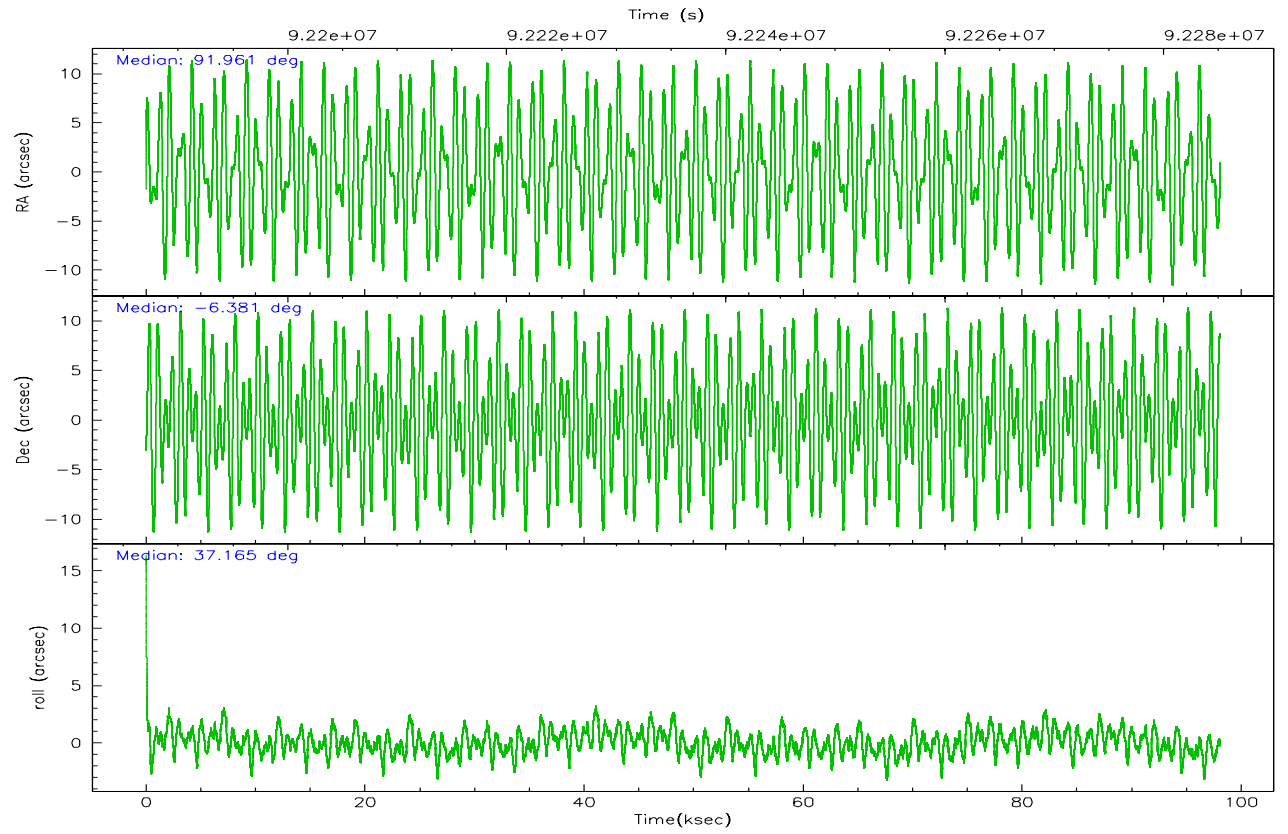


## 2.2 Compared Parameters

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	91.950182	91.96095571314844	Subarray requested	NONE	NONE
Pointing Dec	-6.406007	-6.380681331259514	Alternating exposures requested	N	N
Pointing Roll	36.964831	37.17471388942678	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	92187232.184000	92186059.58034299			
Observation start date	2000-12-02T23:32:48	2000-12-02T23:14:19			
Observation end time	92285153.184000	92285467.67163999			
Observation end date	2000-12-04T02:44:49	2000-12-04T02:51:07			
Read mode	TIMED	TIMED			

## 2.3 Aspect



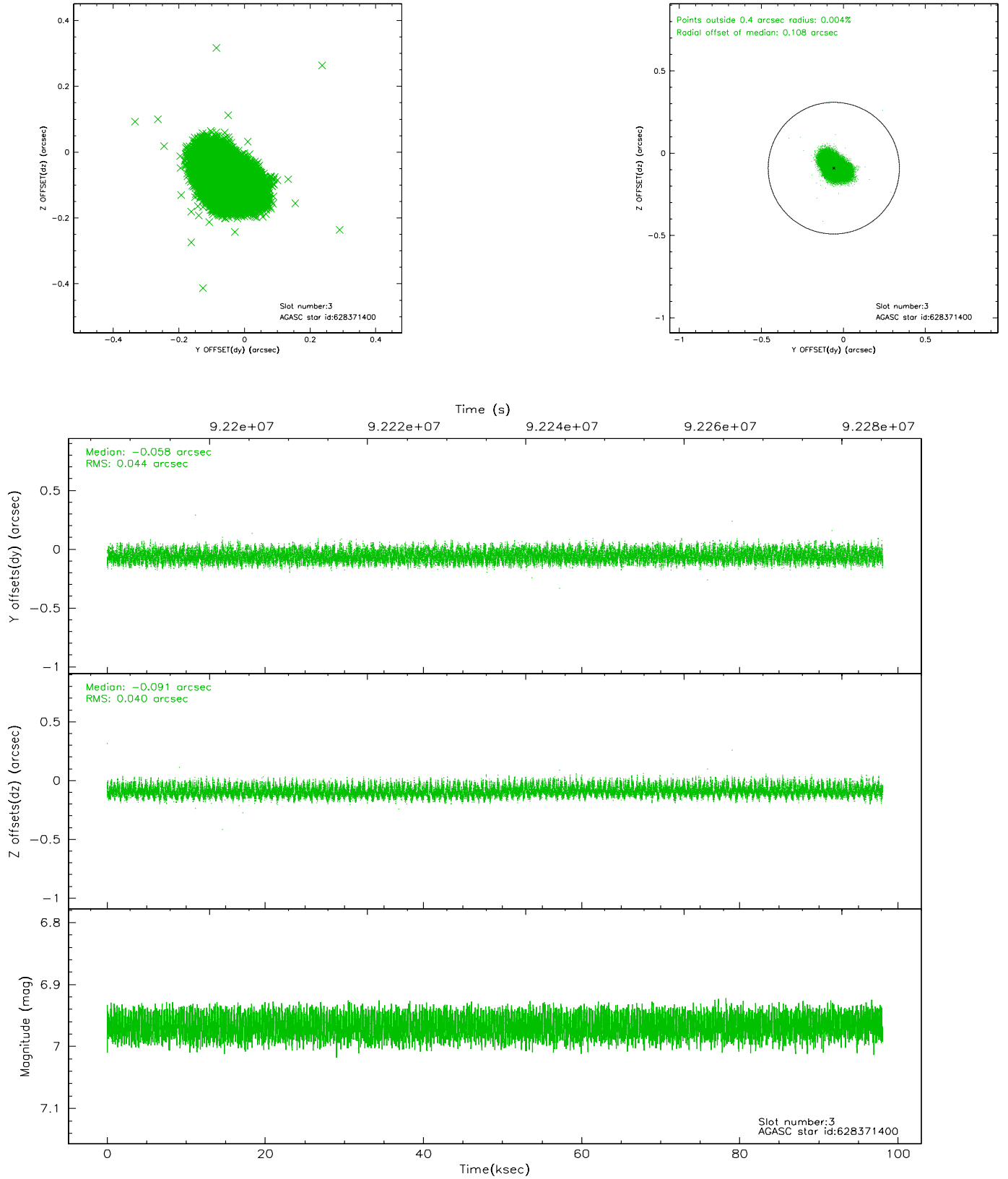


### Slot Statistics

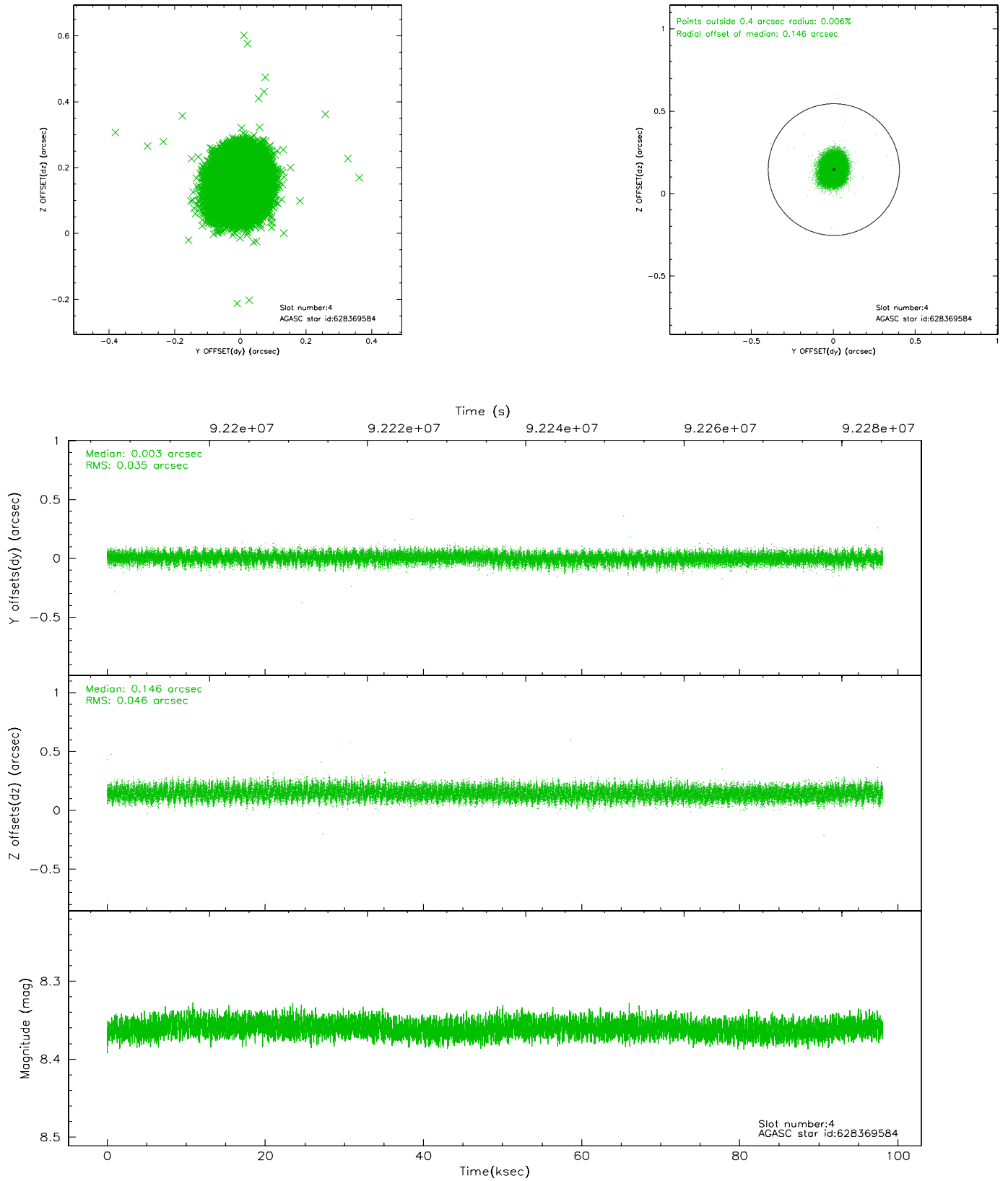
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.15	23922	-0.016	-0.022	0.012	0.020	0.000000	0.000000	-756.64	-835.10
1	FID	ACIS-I-4	7.19	23919	-0.061	0.025	0.013	0.021	0.000000	0.000000	2157.41	1071.17
2	FID	ACIS-I-5	7.23	23921	-0.022	0.065	0.011	0.018	0.000000	0.000000	-1810.58	1068.95
3	GUIDE	628371400	6.97	47841	-0.058	-0.091	0.064	0.103	91.743985	-6.202712	-150.10	1028.35
4	GUIDE	628369584	8.36	47832	0.003	0.146	0.062	0.099	91.845590	-7.085046	-1768.52	-1728.62
5	GUIDE	628504400	7.92	47838	-0.013	0.077	0.054	0.089	92.377446	-6.536080	939.00	-1293.31
6	GUIDE	628501688	8.63	47843	0.042	0.011	0.075	0.123	92.058796	-6.899263	-757.55	-1652.34
7	GUIDE	628366288	9.02	47834	0.014	-0.138	0.092	0.152	91.425943	-6.111000	-861.88	1976.00

## 2.4 Star Slots

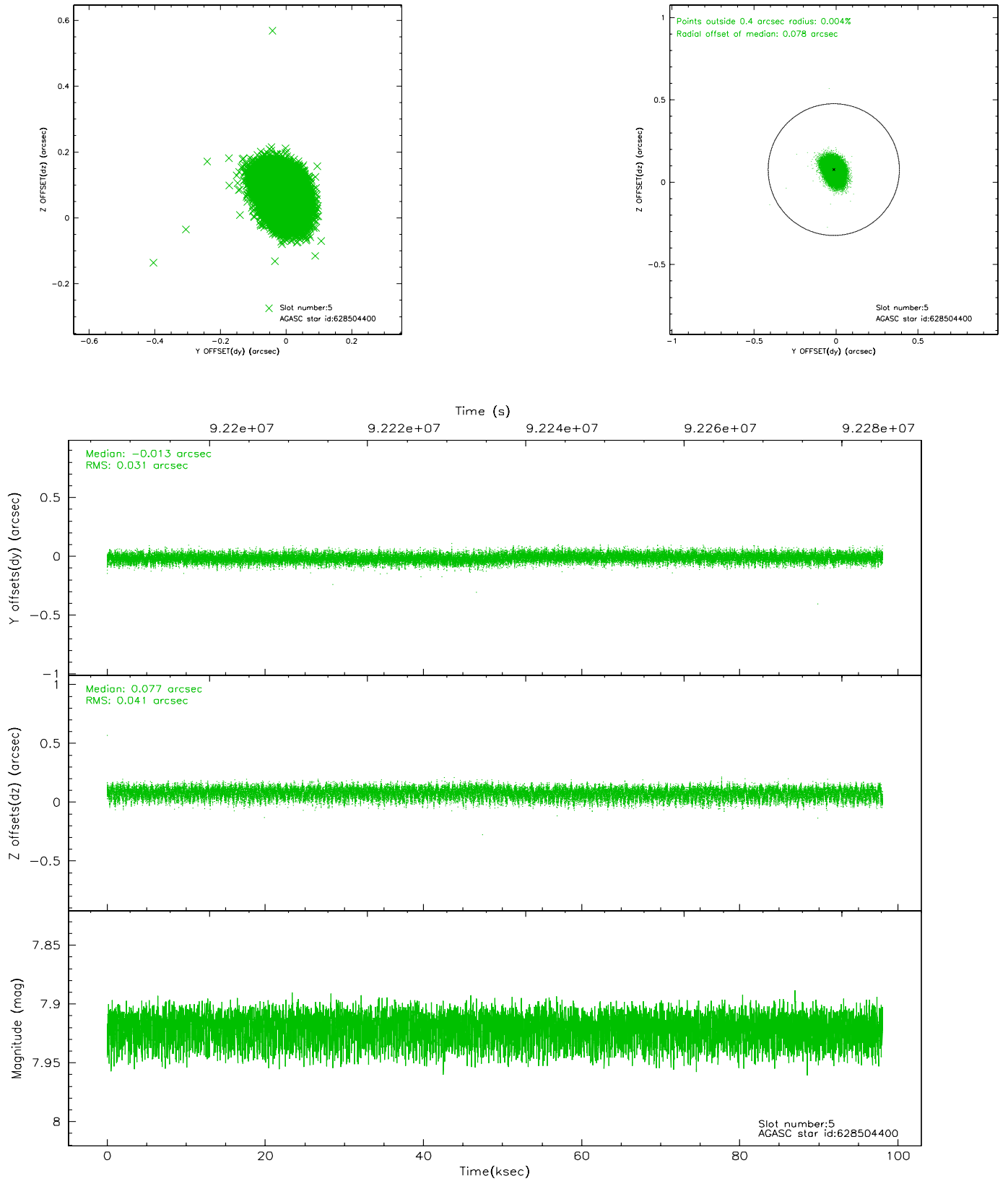
### 2.4.1 Slot 3



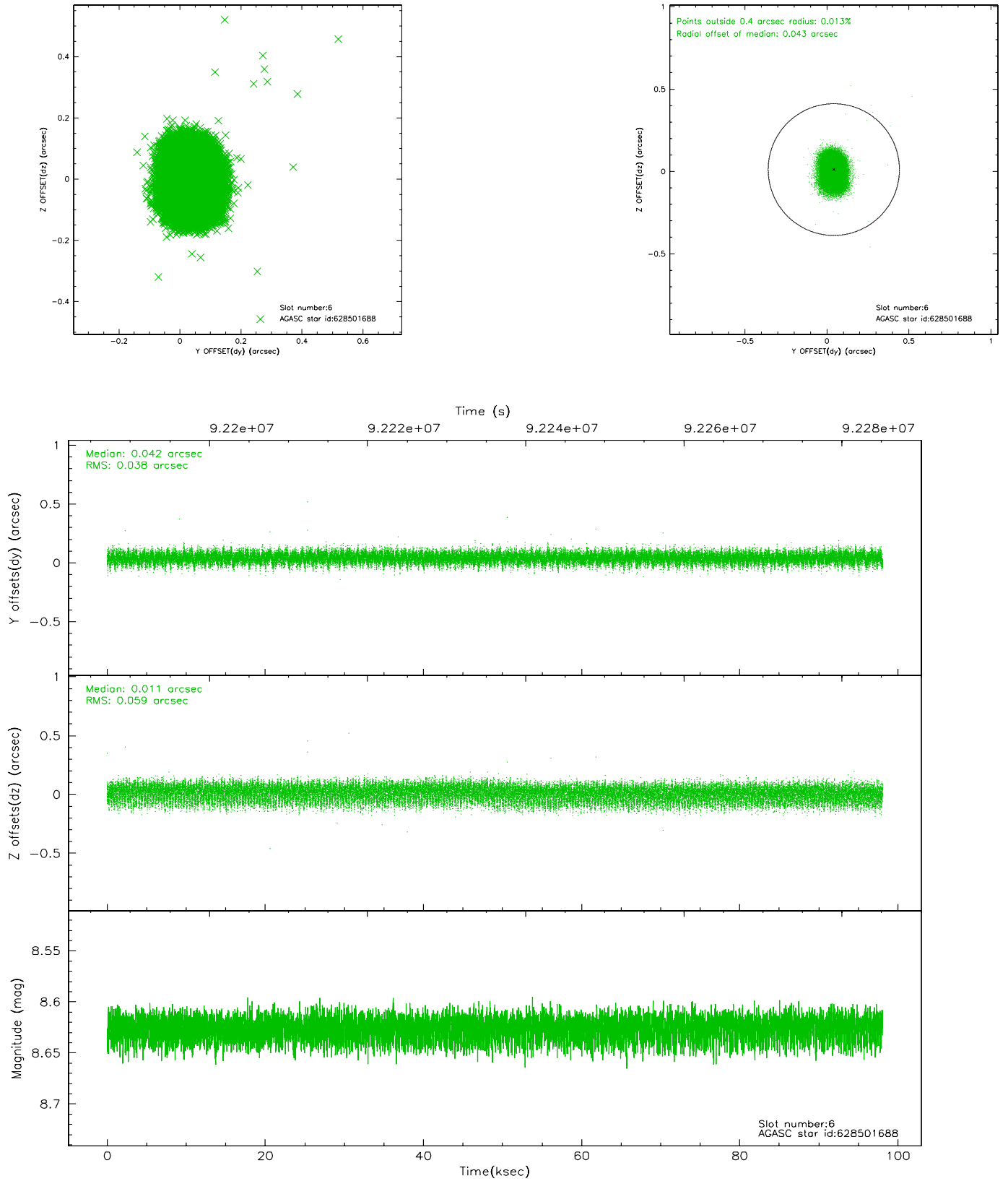
## 2.4.2 Slot 4



### 2.4.3 Slot 5

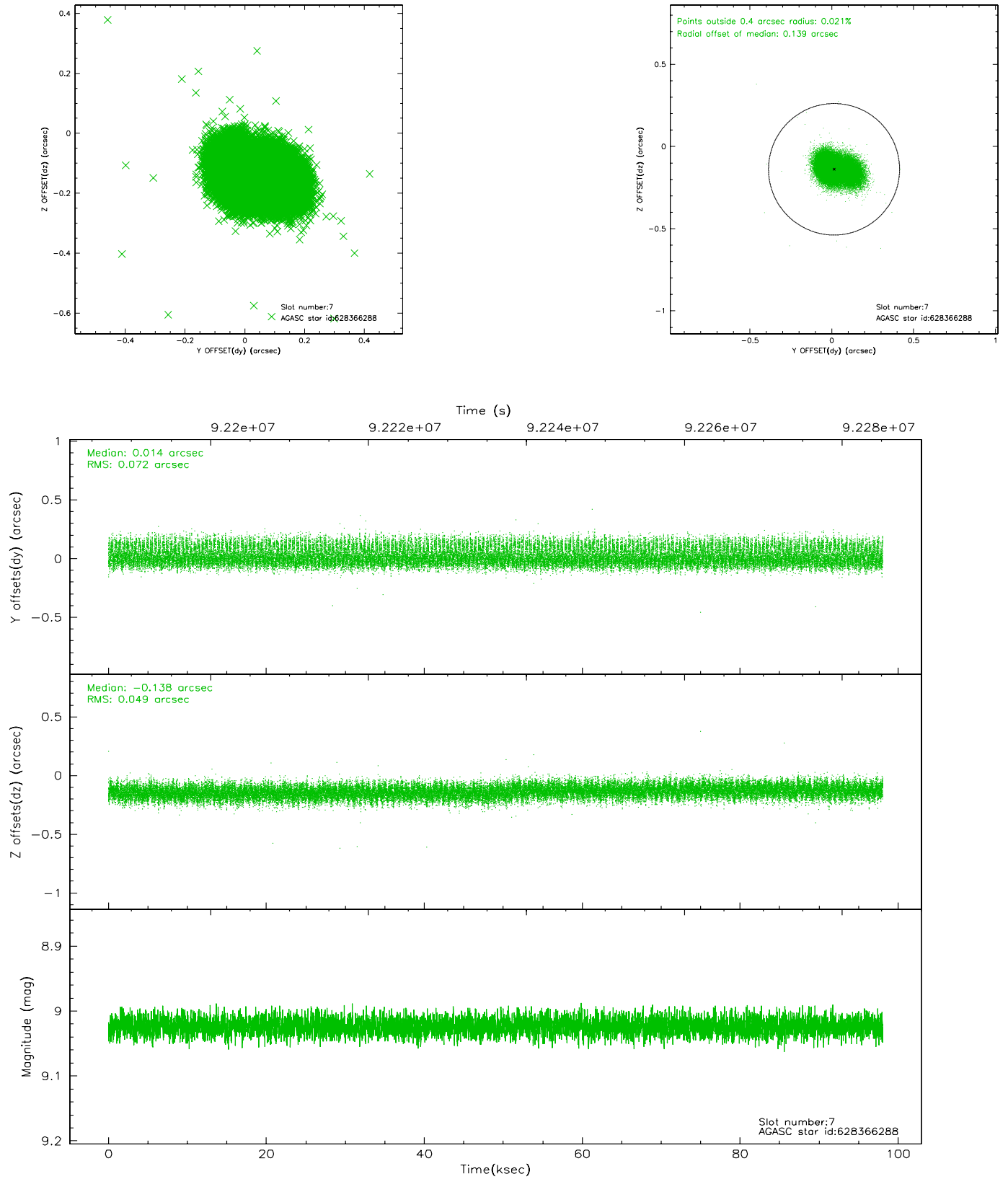


## 2.4.4 Slot 6



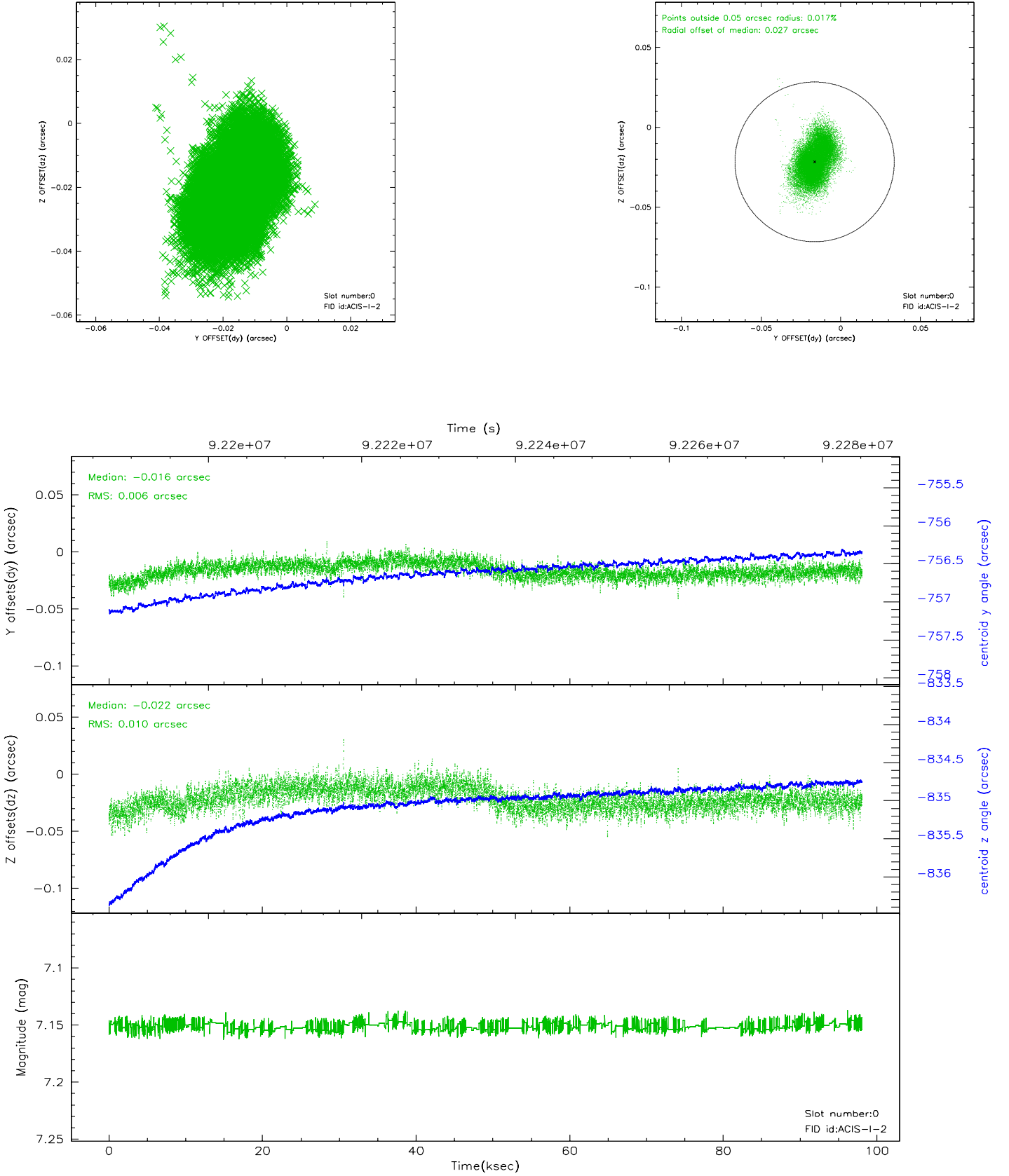


## 2.4.5 Slot 7

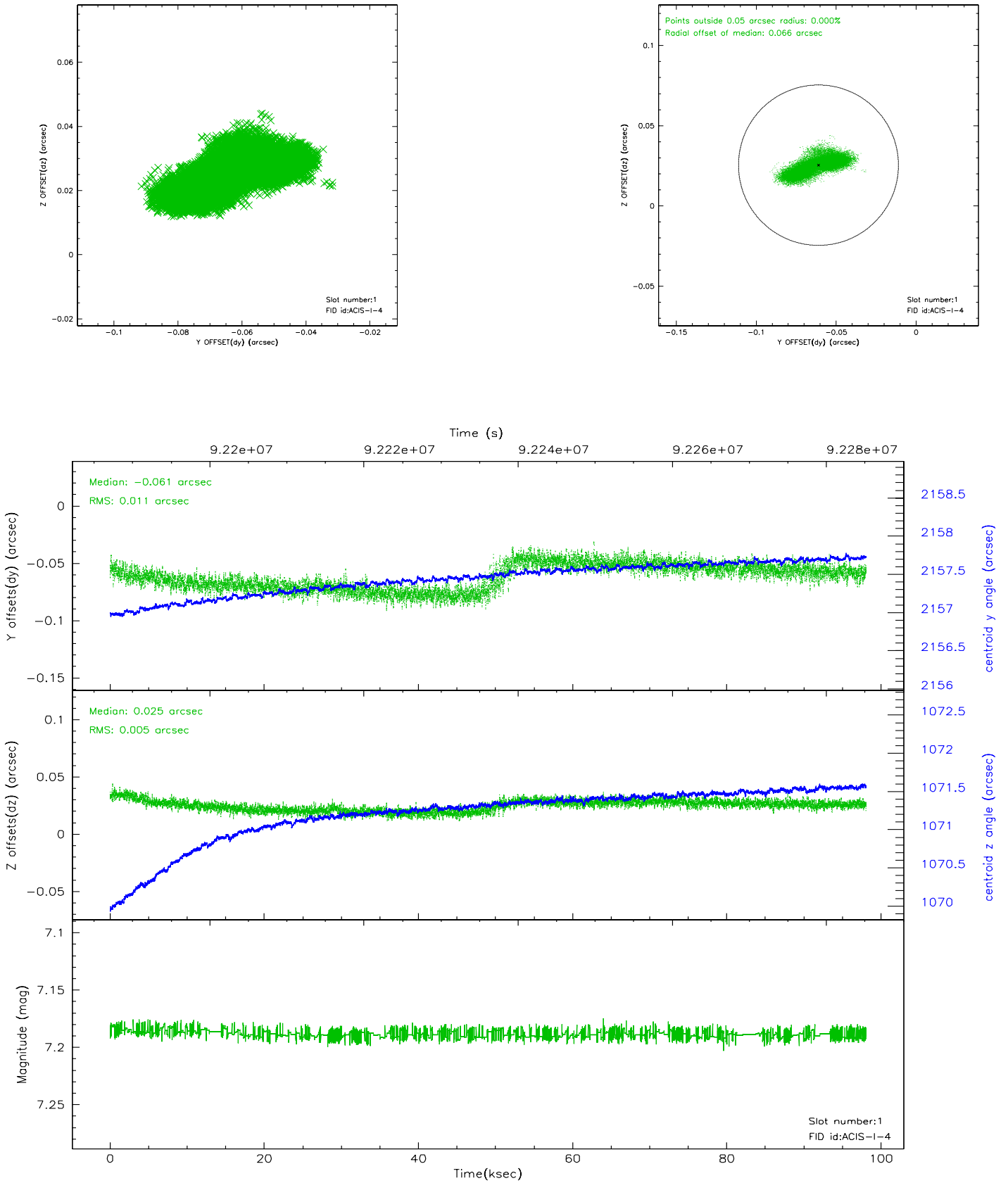


## 2.5 FID Slots

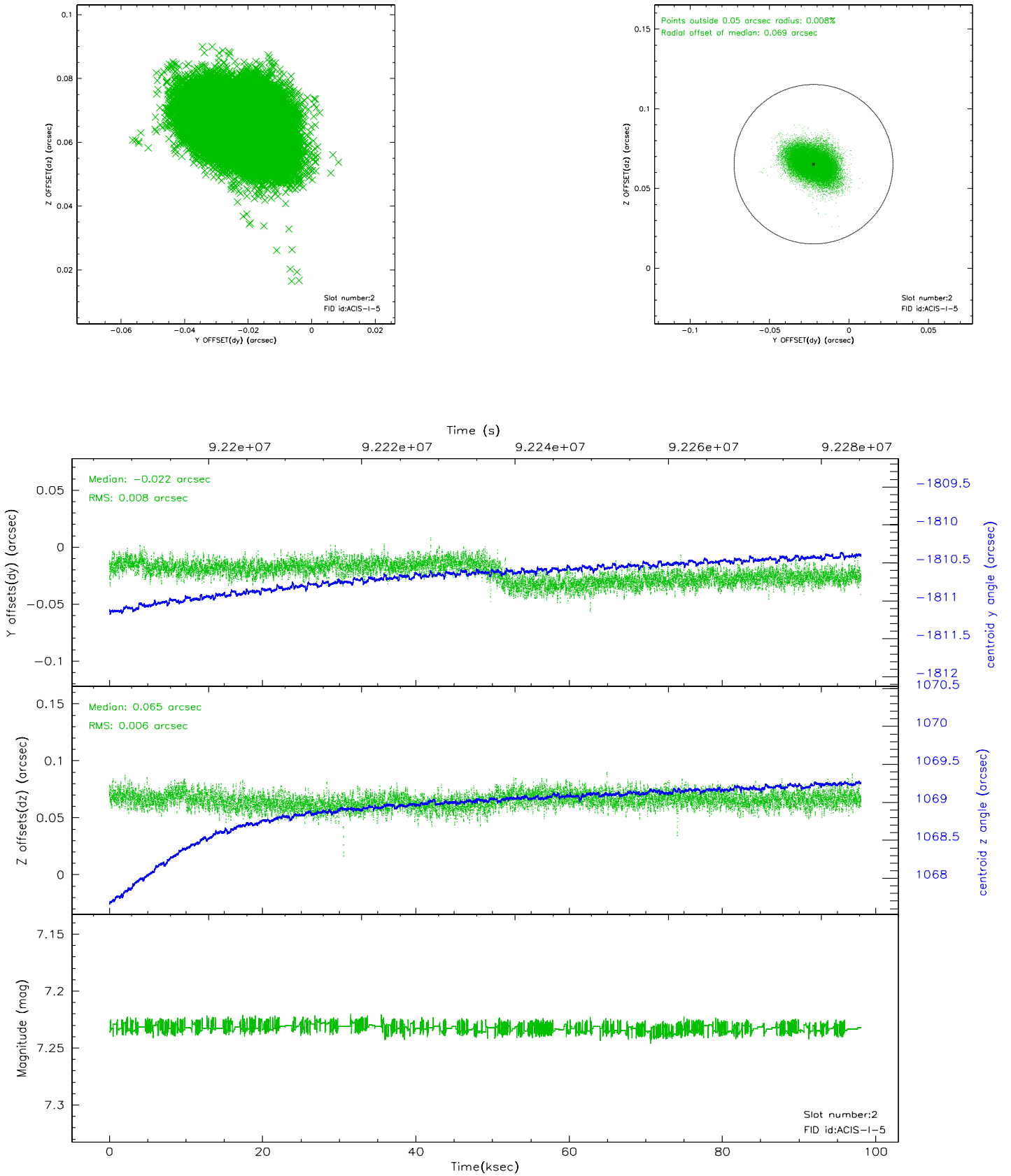
### 2.5.1 Slot 0



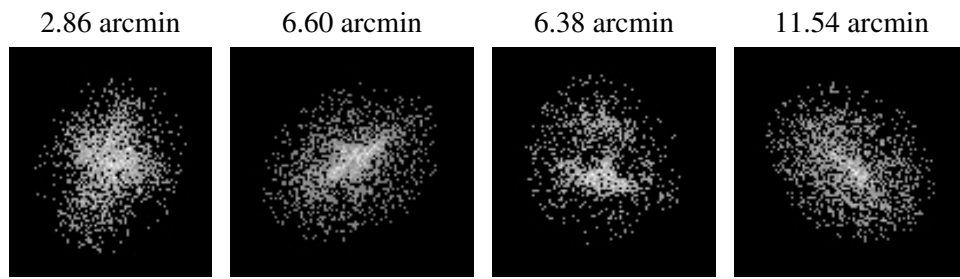
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.06.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	98.08

### A.2 Comments