

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 3079 - L2 Version 001  
Chandra X-Ray Center

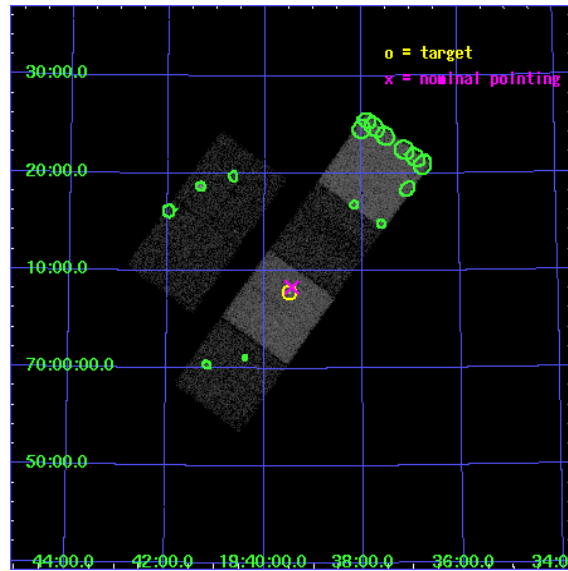
L2 Processing Date : Sep 16 2006

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# 1 Front

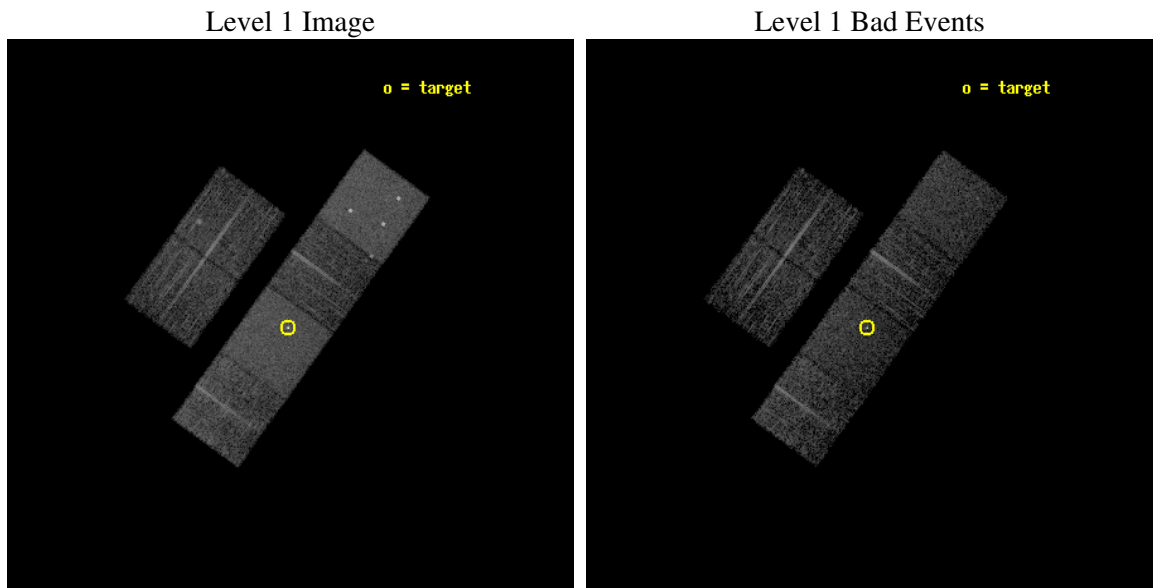
seq_num	700518
obs_id	3079
title	X-RAY WEAK BROAD-LINE QUASARS: ABSORPTION OR INTRINSIC X_RAY WEAKNESS ?
observer	Dr Guido Risaliti
object	HS 1939+7000
dtcycle	0
cycle	P
ra_targ	294.872917
dec_targ	70.130278
ra_nom	294.860432456
dec_nom	70.139114328335
roll_nom	125.78467388847
revision	2
ontime	4972.7999814749
livetime	4909.8313938488
ontime2	4972.7999814749
ontime3	4972.7999814749
ontime5	4972.7999814749
ontime6	4972.7999814749
ontime7	4972.7999814749
ontime8	4969.5590013266
l2events	71509



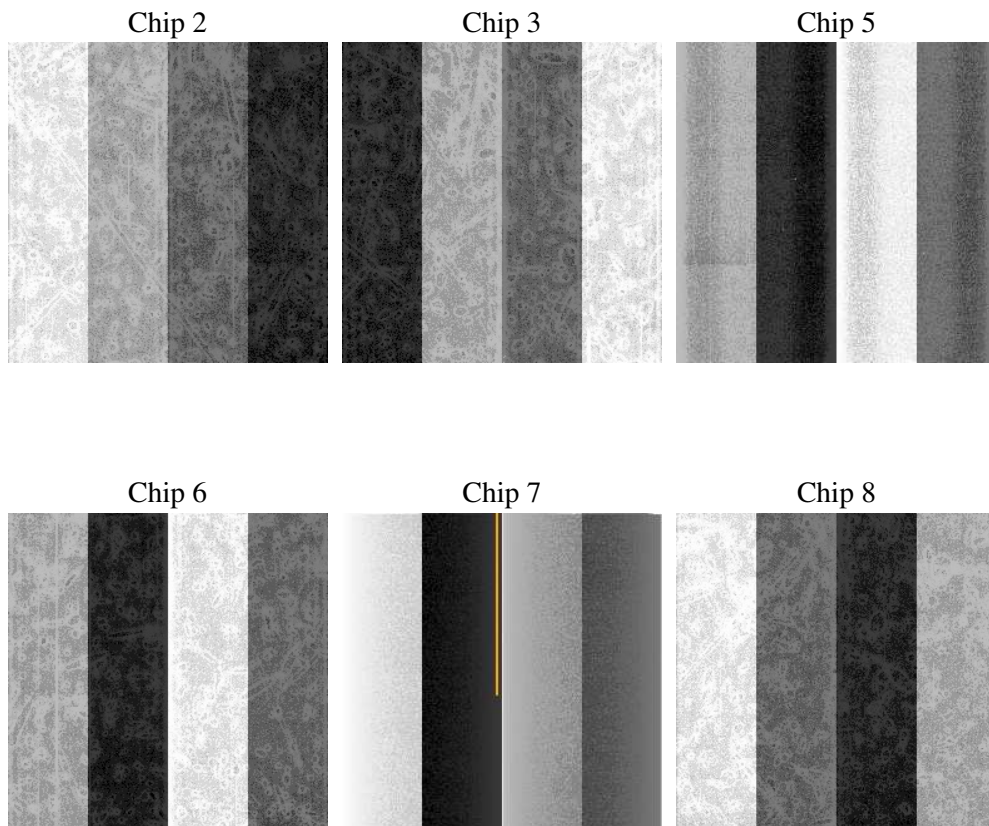
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-09-16T17:00:04
revision	2

sched_exp_time	5007.979000
ontime	4974.9334732294
ontime2	4974.9334732294
ontime3	4974.9334732294
ontime5	4974.9335031211
ontime6	4974.9334732294
ontime7	4974.9334732294
ontime8	4971.6924930811
l1events	244423

### 2.1.4 Events

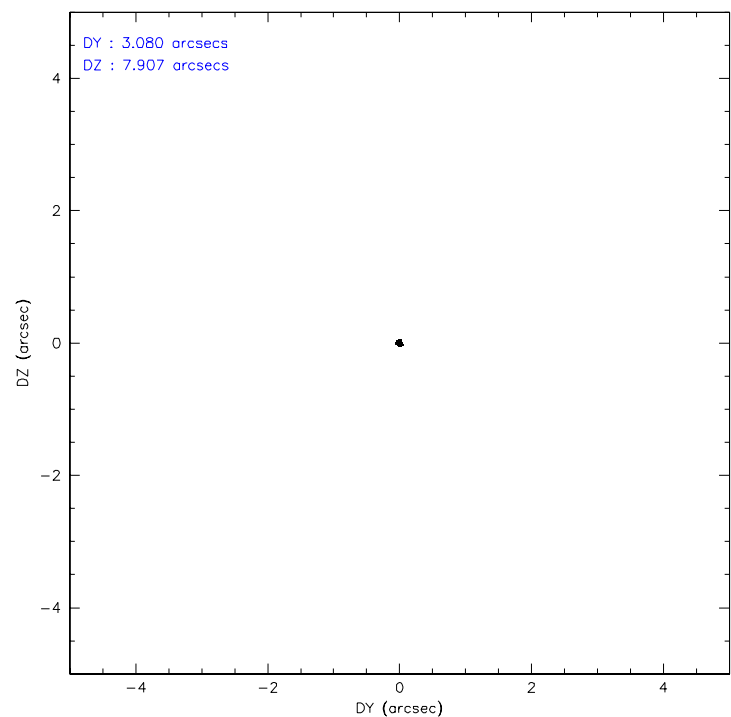
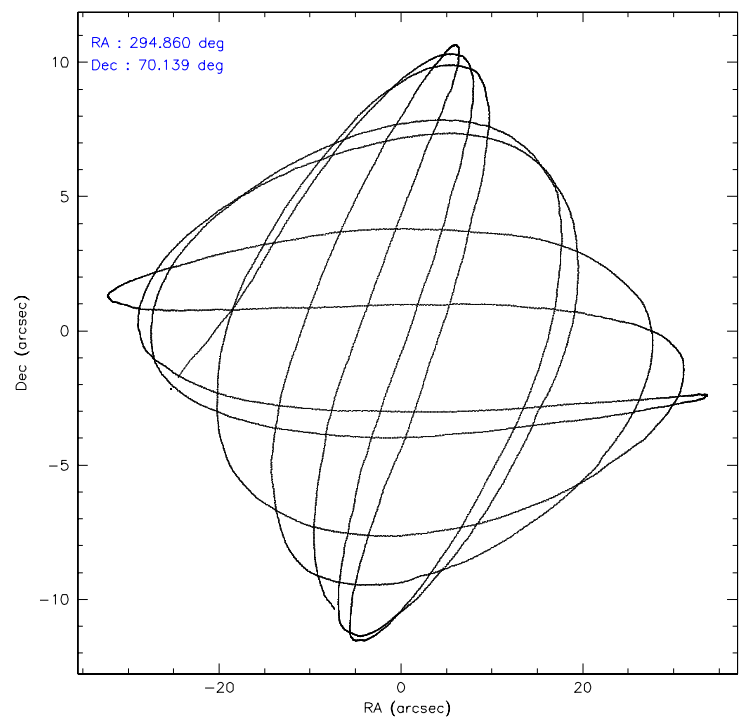
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	32290	31322	56716	31932	50894	41269
rejected events	26612	26162	25872	26150	26289	30362
rejected %	82%	83%	45%	81%	51%	73%

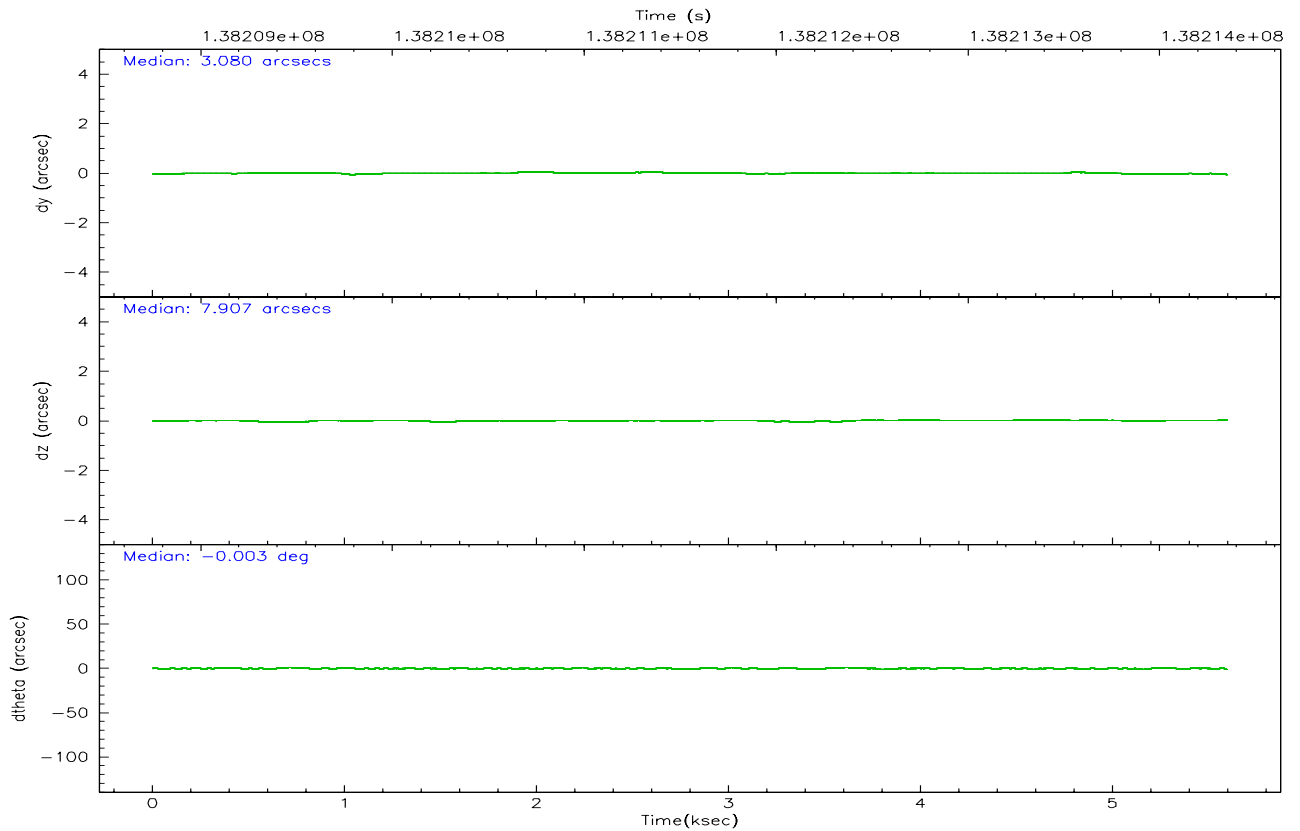
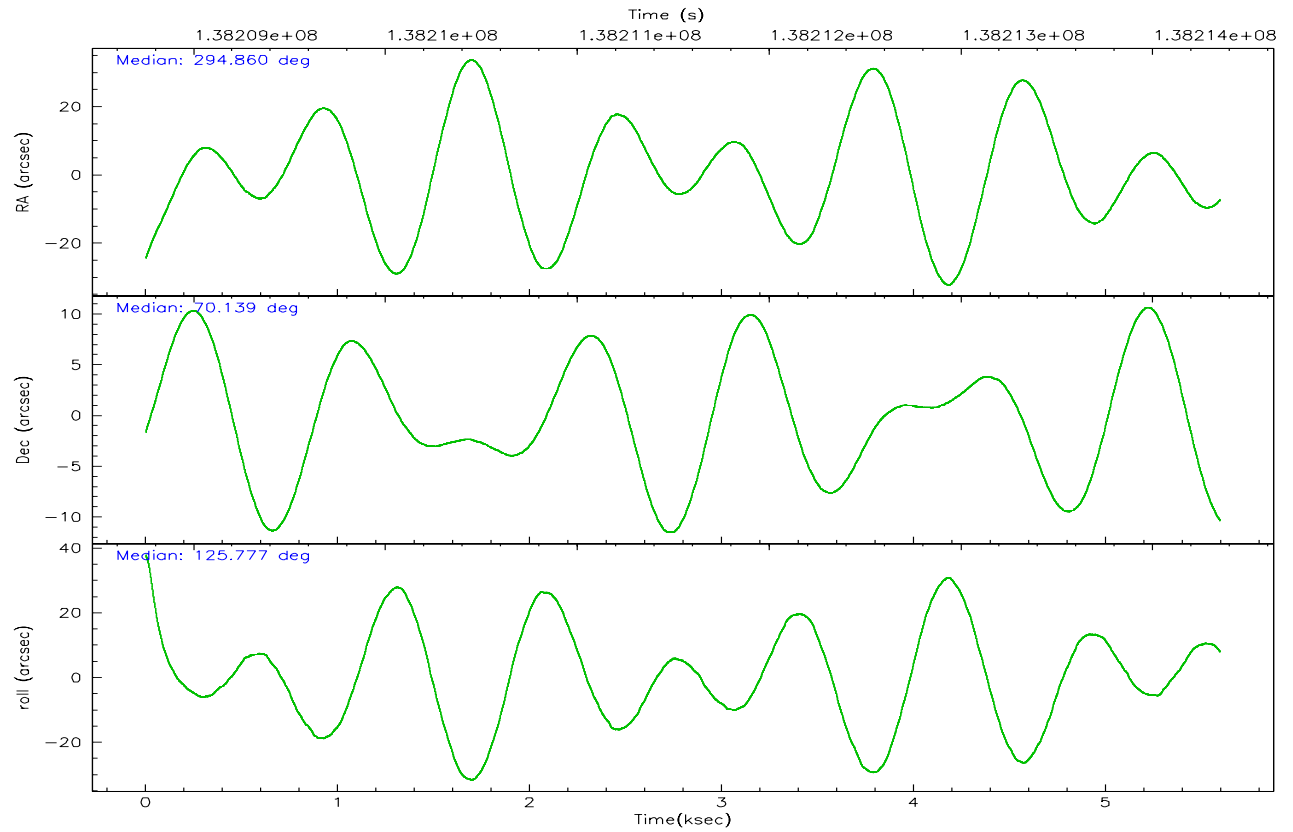
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	3017	2576	4862	2874	2098	4278
	9%	8%	8%	9%	4%	10%
grade 1 events	19	22	131	34	66	18
	0%	0%	0%	0%	0%	0%
grade 2 events	1163	1050	9307	1205	5667	2258
	3%	3%	16%	3%	11%	5%
grade 3 events	344	370	903	406	1417	1014
	1%	1%	1%	1%	2%	2%
grade 4 events	394	379	873	445	1398	1005
	1%	1%	1%	1%	2%	2%
grade 5 events	1044	1271	2255	1304	2888	1655
	3%	4%	3%	4%	5%	4%
grade 6 events	762	787	14918	856	14036	2356
	2%	2%	26%	2%	27%	5%
grade 7 events	25547	24867	23467	24808	23324	28685
	79%	79%	41%	77%	45%	69%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Observation mode	POINTING	POINTING	Number of optional ACIS chips dropped	0	0
Pointing RA	294.934079	294.8604324560033	On-chip summing requested	N	N
Pointing Dec	70.128132	70.139114328335	Subarray requested	NONE	NONE
Pointing Roll	125.558756	125.7846738884705	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	3.2
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	138209344.184000	138208179.58429			
Observation start date	2002-05-19T15:28:00	2002-05-19T15:09:39			
Observation end time	138214351.184000	138214666.29706			
Observation end date	2002-05-19T16:51:27	2002-05-19T16:57:46			
Read mode	TIMED	TIMED			

### 2.3 Aspect





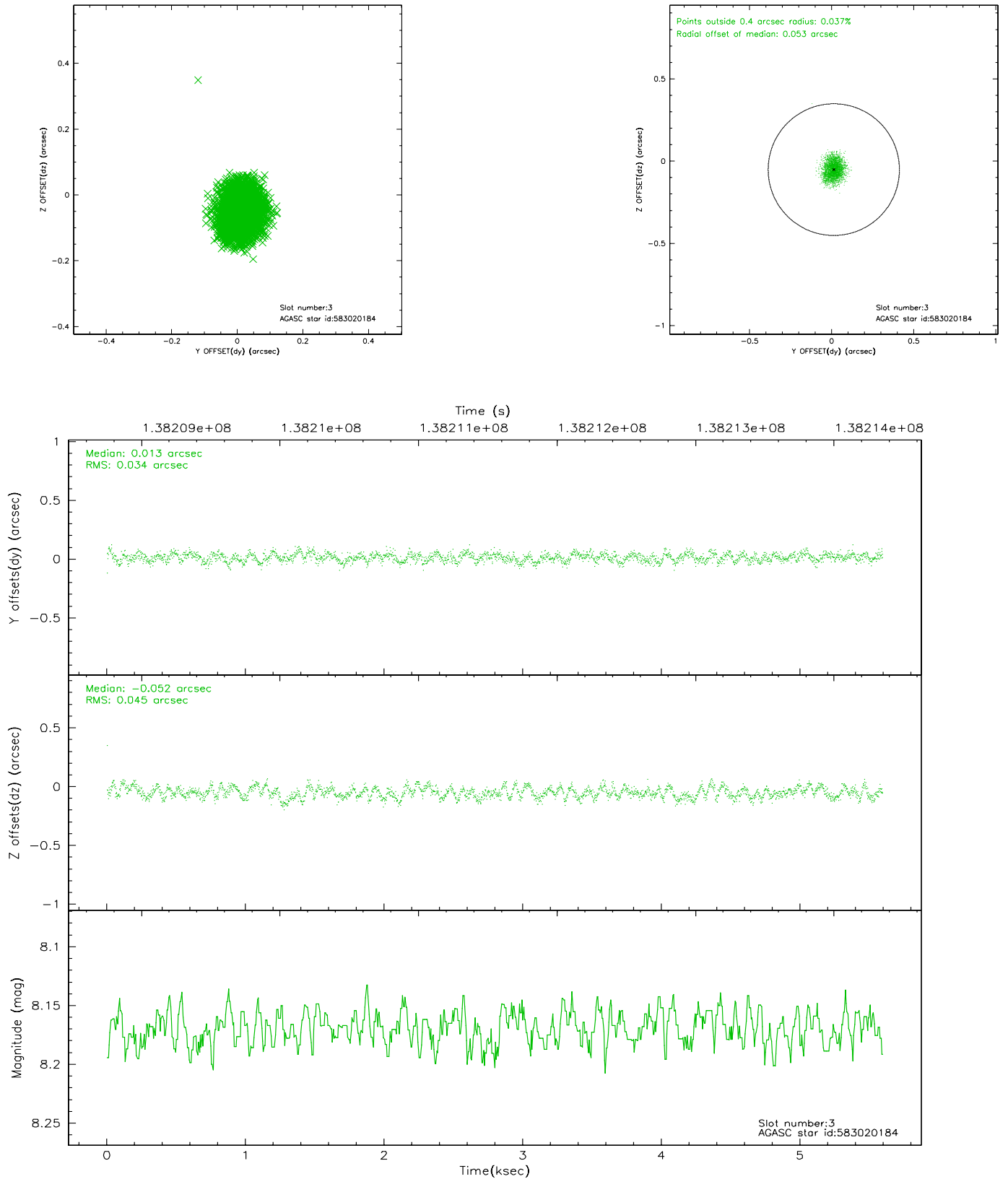
### Slot Statistics

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	1365	0.008	0.022	0.006	0.009	0.000000	0.000000	-755.73	-1729.07
1	FID	ACIS-S-4	7.20	1365	-0.067	-0.010	0.005	0.008	0.000000	0.000000	2157.01	178.25
2	FID	ACIS-S-5	7.24	1364	0.028	-0.004	0.006	0.010	0.000000	0.000000	-1807.15	173.18
3	GUIDE	583020184	8.17	2726	0.013	-0.052	0.060	0.094	293.573245	70.259703	1362.72	1059.24
4	GUIDE	583147752	8.74	2730	0.061	0.071	0.060	0.098	296.288020	69.714483	-2177.95	-520.10
5	GUIDE	583151672	8.92	2729	0.012	-0.158	0.084	0.142	294.494525	69.462314	-1626.26	1843.11
6	GUIDE	583143752	9.14	2728	0.113	-0.007	0.092	0.150	295.552201	70.949752	1987.08	-2312.98
7	GUIDE	583144928	9.01	2730	-0.200	0.146	0.069	0.114	295.801788	70.748419	1224.80	-2142.02

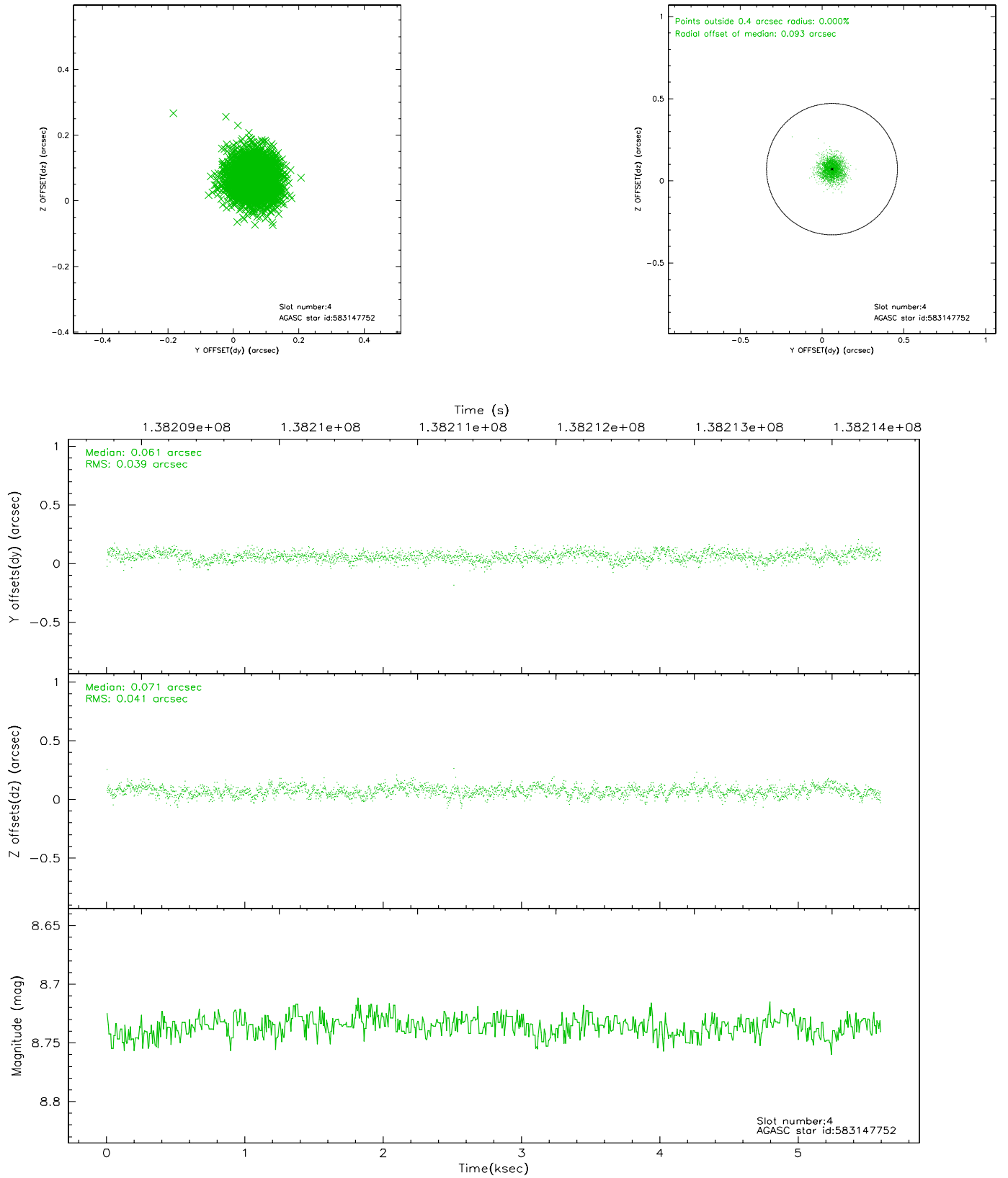


## 2.4 Star Slots

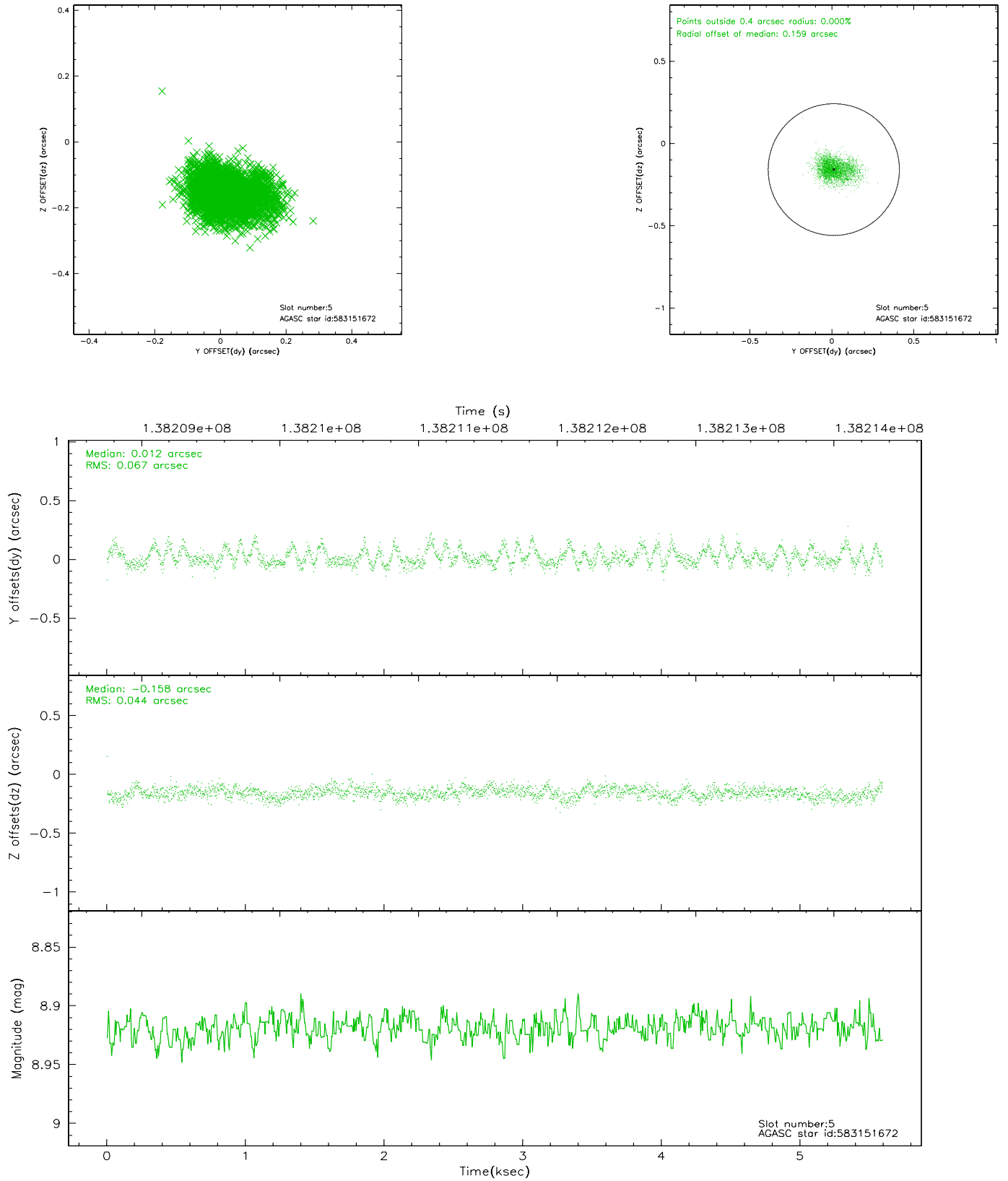
### 2.4.1 Slot 3



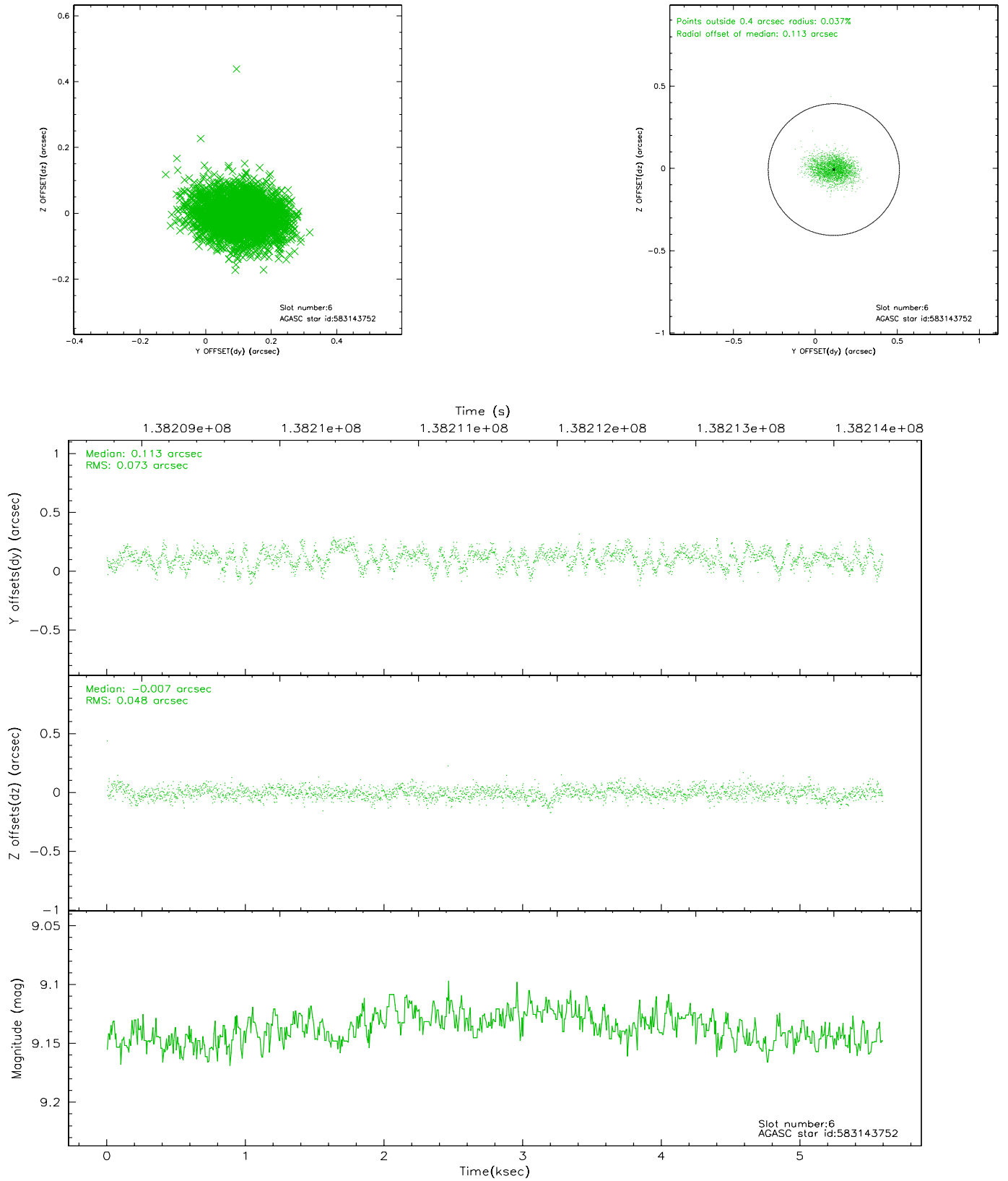
## 2.4.2 Slot 4



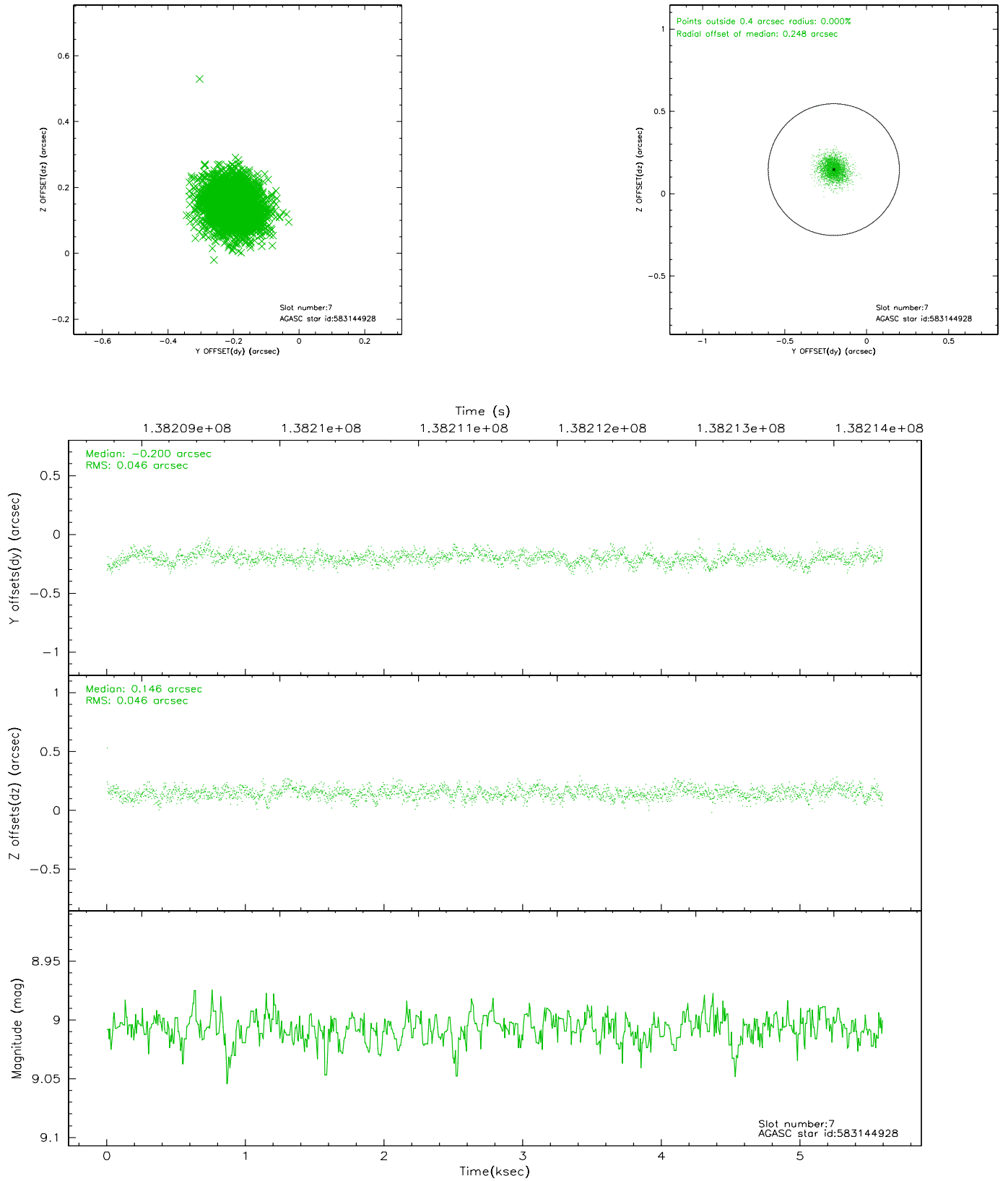
### 2.4.3 Slot 5



## 2.4.4 Slot 6

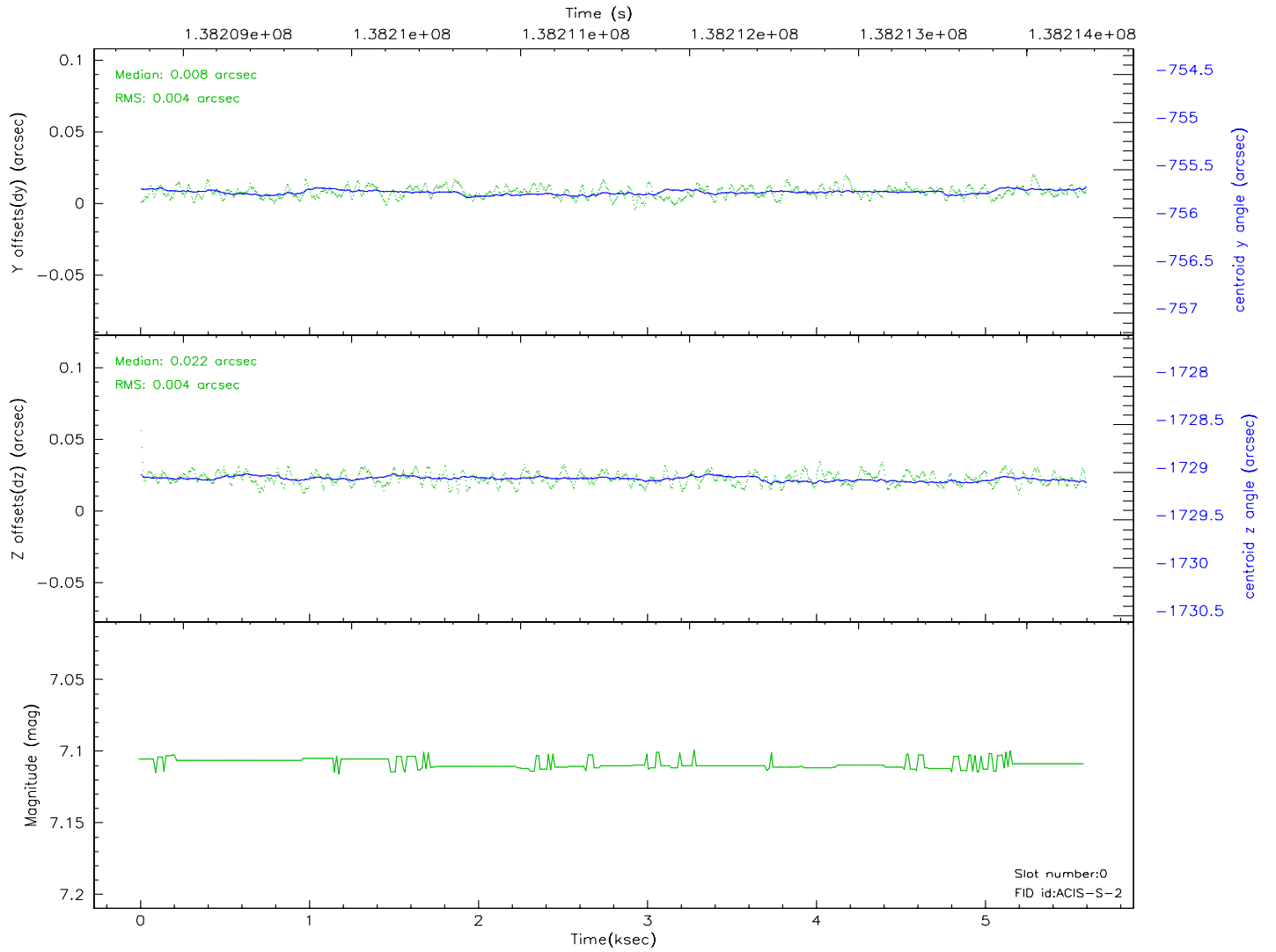
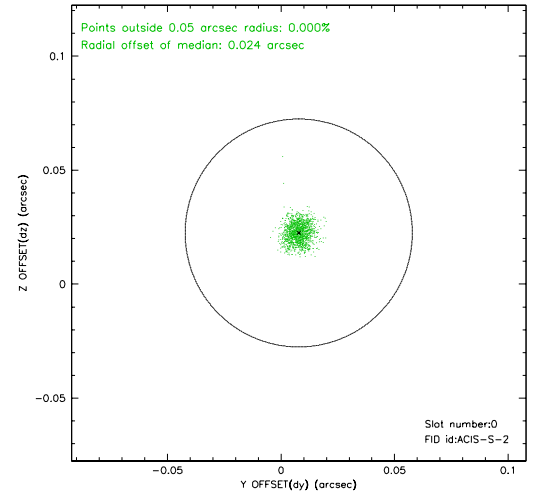
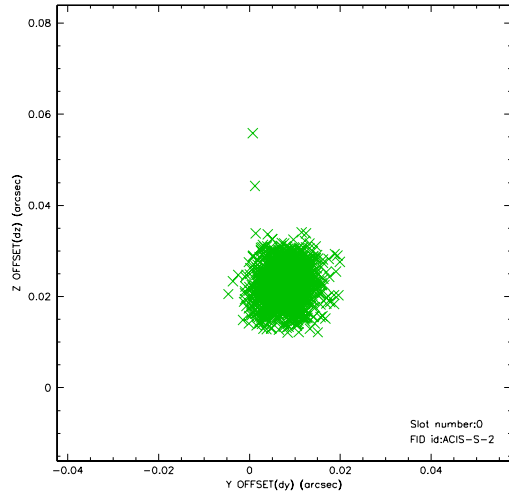


## 2.4.5 Slot 7

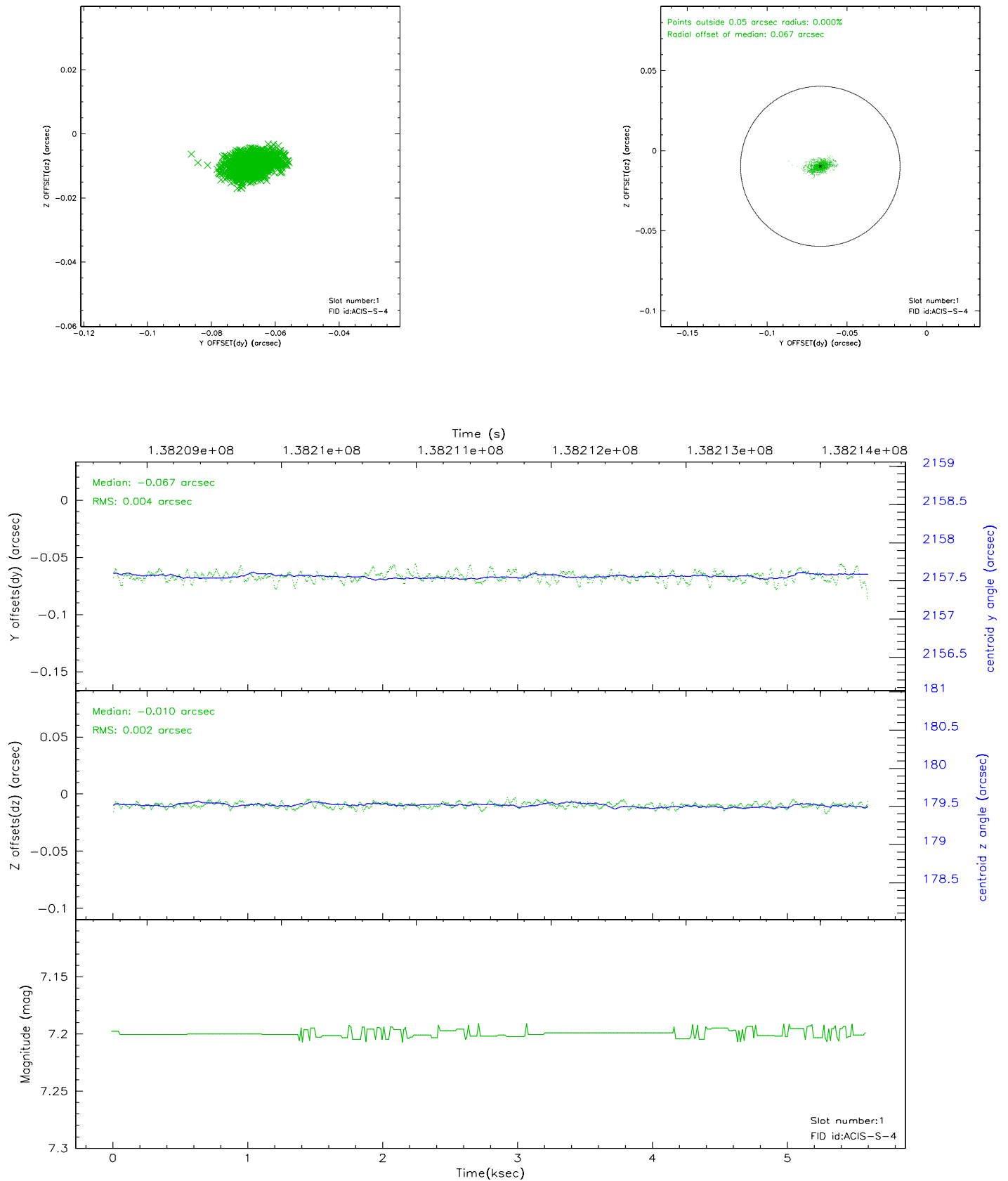


## 2.5 FID Slots

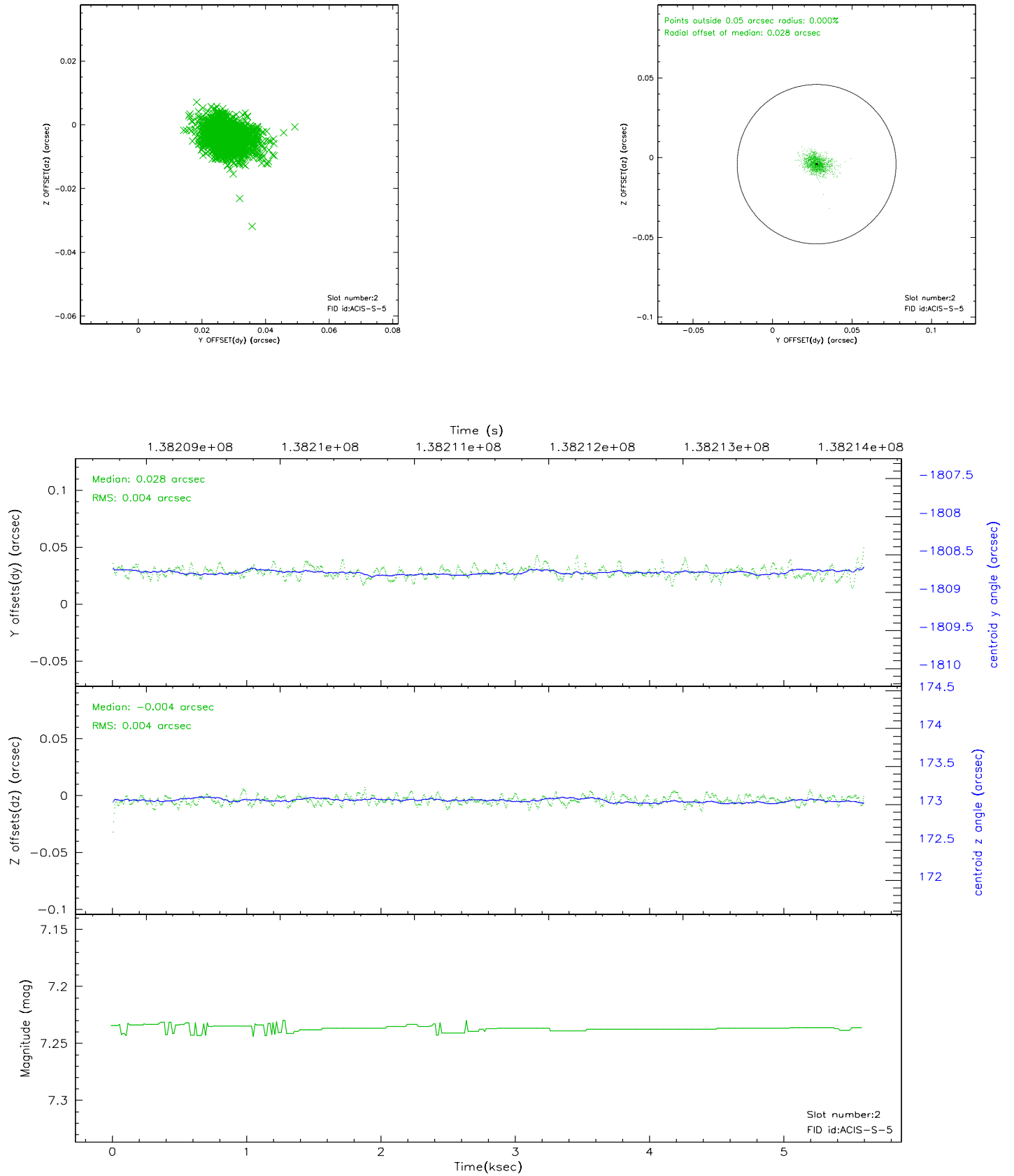
### 2.5.1 Slot 0



## 2.5.2 Slot 1

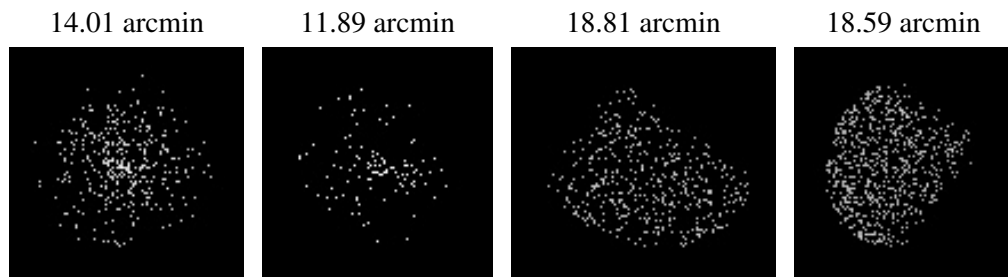


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.973

### A.2 Comments