

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 4705 - L2 Version 001  
Chandra X-Ray Center

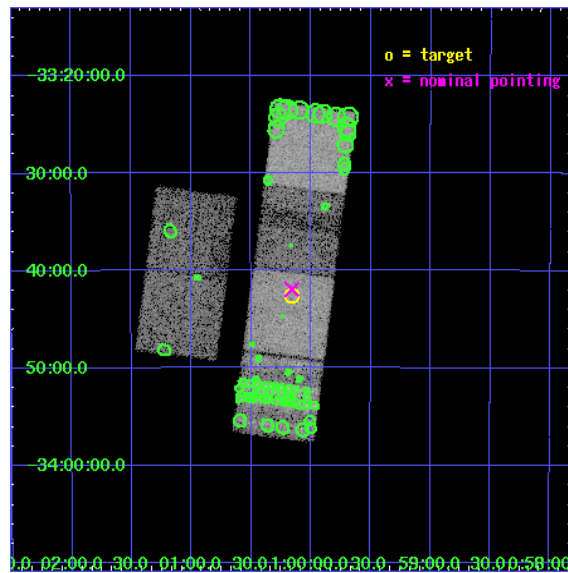
L2 Processing Date : Apr 28 2006

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# 1 Front

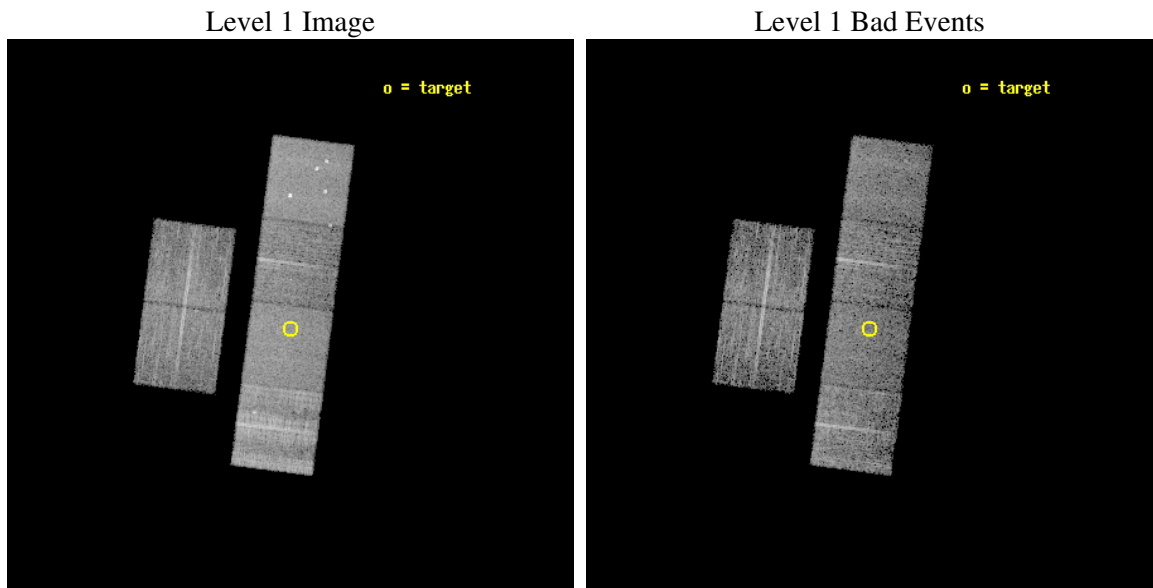
seq_num	600360
obs_id	4705
title	Using the Sculptor Dwarf Spheroidal Galaxy to Constrain X-ray Binary Production in Population II
observer	Dr. Thomas Maccarone
object	SCULPTOR DWARF SPHEROIDAL
dtcycle	0
cycle	P
ra_targ	15.039167
dec_targ	-33.708889
ra_nom	15.039748791852
dec_nom	-33.699226897518
roll_nom	97.341524369795
revision	2
ontime	5907.199977994
livetime	5832.3994549838
ontime2	5907.199977994
ontime3	5907.199977994
ontime5	5907.199977994
ontime6	5907.199977994
ontime7	5907.199977994
ontime8	5903.95910725
l2events	100045



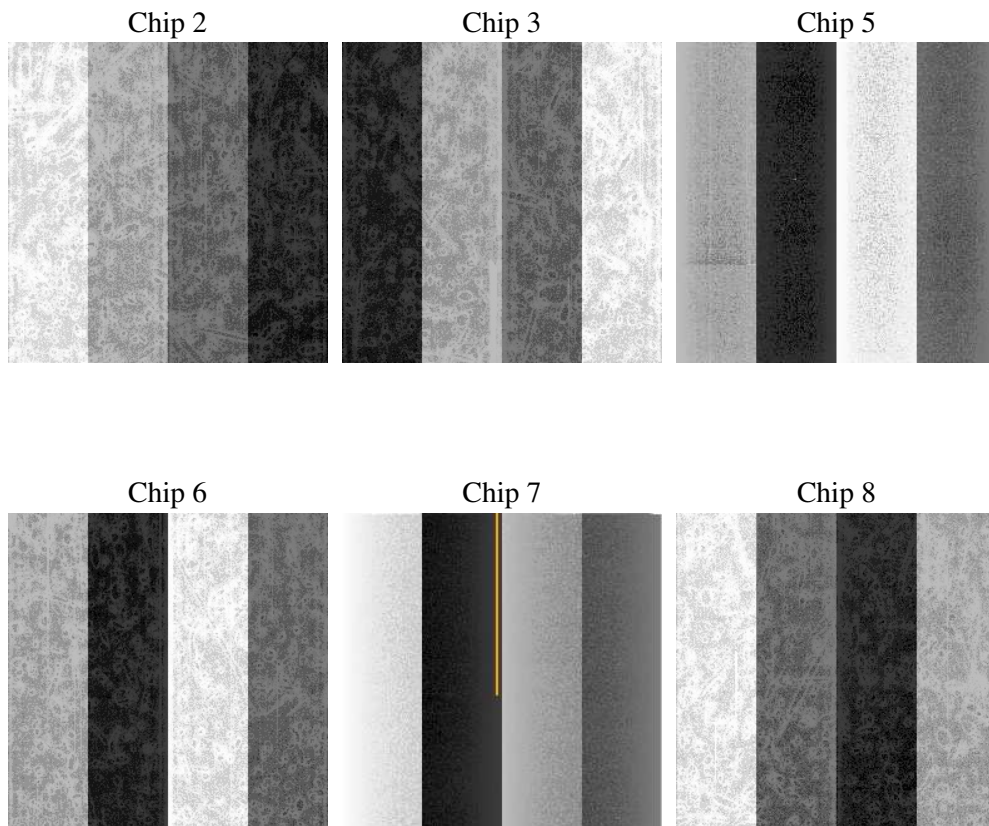
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldsver	3.2.1
date	2006-04-28T06:23:24
revision	2

sched_exp_time	5953.000000
ontime	5914.8374529779
ontime2	5914.8374330401
ontime3	5914.8374330401
ontime5	5914.8374529779
ontime6	5914.8374330401
ontime7	5914.8374529779
ontime8	5911.5965622962
l1events	356626

### 2.1.4 Events

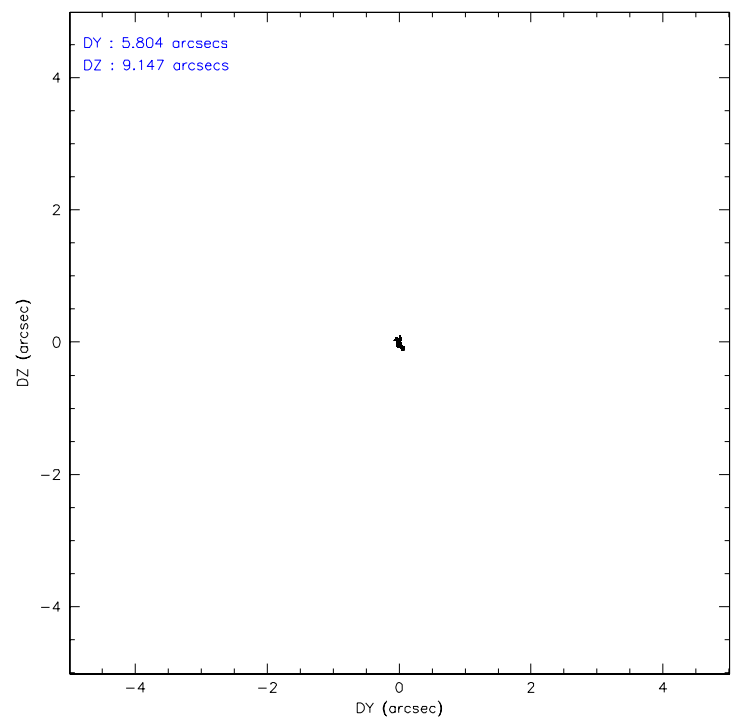
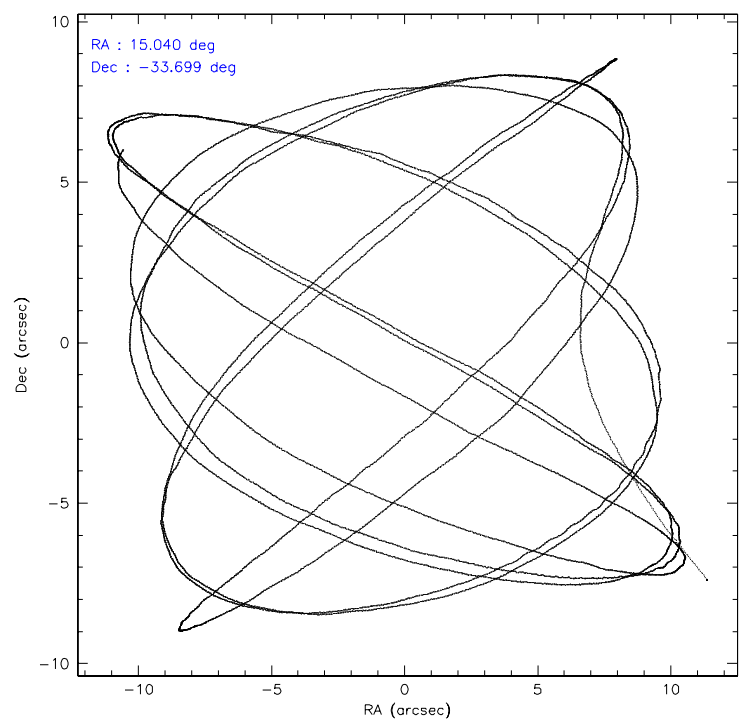
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	49130	47825	69044	47828	59971	82828
rejected events	39851	38214	35858	37661	34054	43428
rejected %	81%	79%	51%	78%	56%	52%

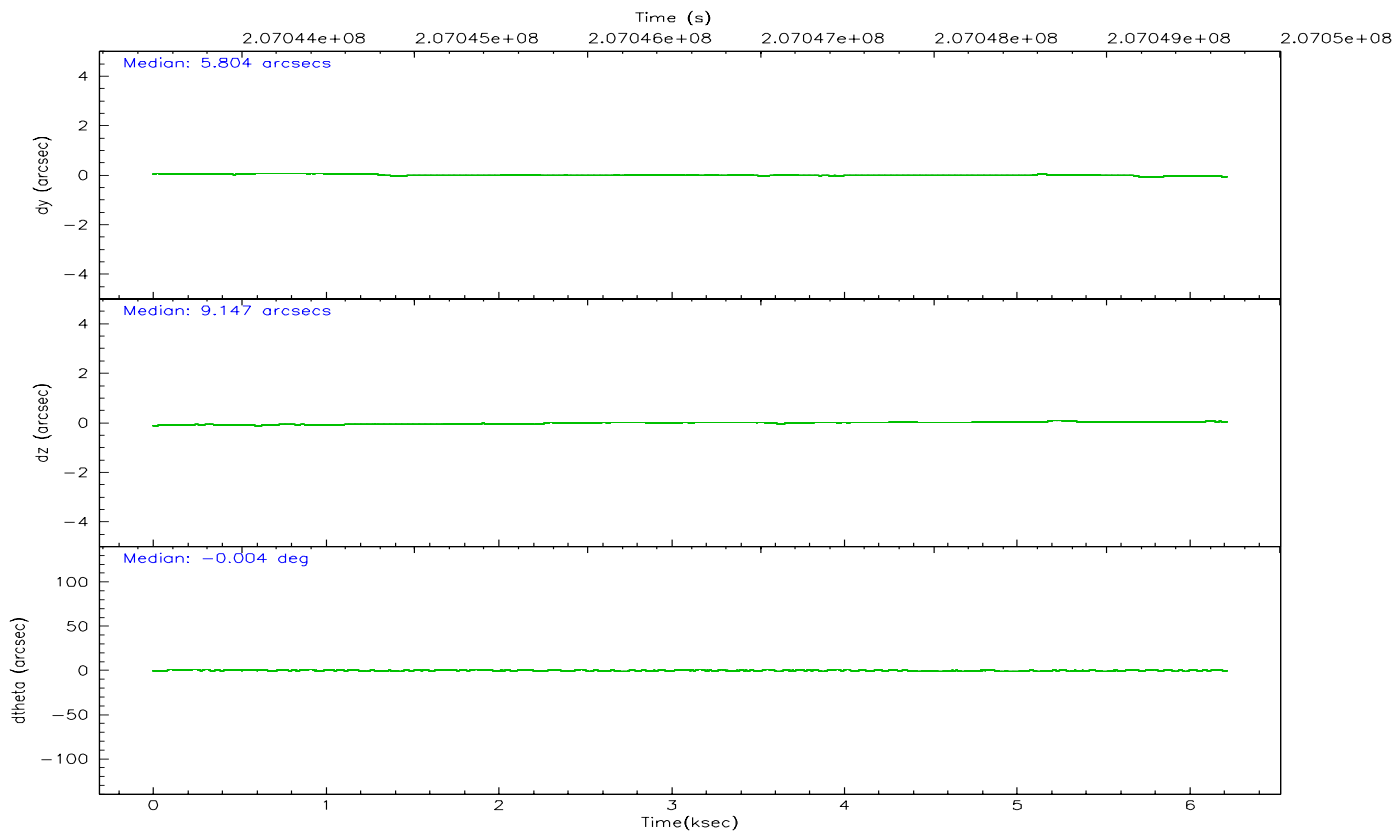
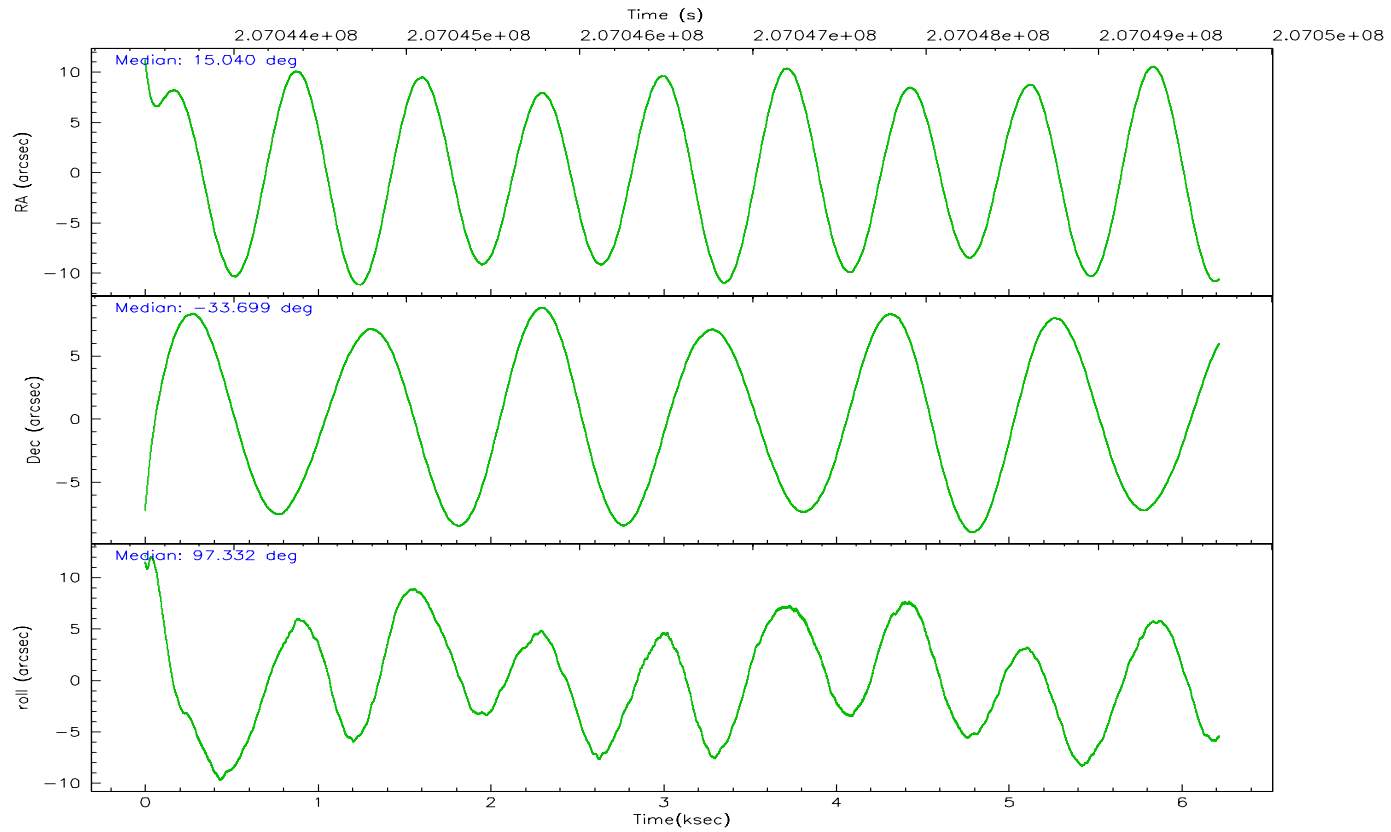
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	4479	4369	4566	4663	2127	15621
	9%	9%	6%	9%	3%	18%
grade 1 events	33	39	154	25	46	115
	0%	0%	0%	0%	0%	0%
grade 2 events	2039	2541	10229	2879	6512	5641
	4%	5%	14%	6%	10%	6%
grade 3 events	486	549	1054	507	1464	6238
	0%	1%	1%	1%	2%	7%
grade 4 events	663	510	962	530	1431	5700
	1%	1%	1%	1%	2%	6%
grade 5 events	1620	1702	3076	1749	3543	2475
	3%	3%	4%	3%	5%	2%
grade 6 events	1617	1648	16410	1594	14412	6224
	3%	3%	23%	3%	24%	7%
grade 7 events	38193	36467	32593	35881	30436	40814
	77%	76%	47%	75%	50%	49%

## 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
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	15.059936	15.03974879185214	Alternating exposures requested	N	N
Pointing Dec	-33.720648	-33.69922689751846	Primary exposure time	0.000000	3.2
Pointing Roll	97.196099	97.34152436979454			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
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	207043750.184000	207042747.34089			
Observation start date	2004-07-24T08:08:06	2004-07-24T07:52:27			
Observation end time	207049703.184000	207050557.32874			
Observation end date	2004-07-24T09:47:19	2004-07-24T10:02:37			
Read mode	TIMED	TIMED			

## 2.3 Aspect





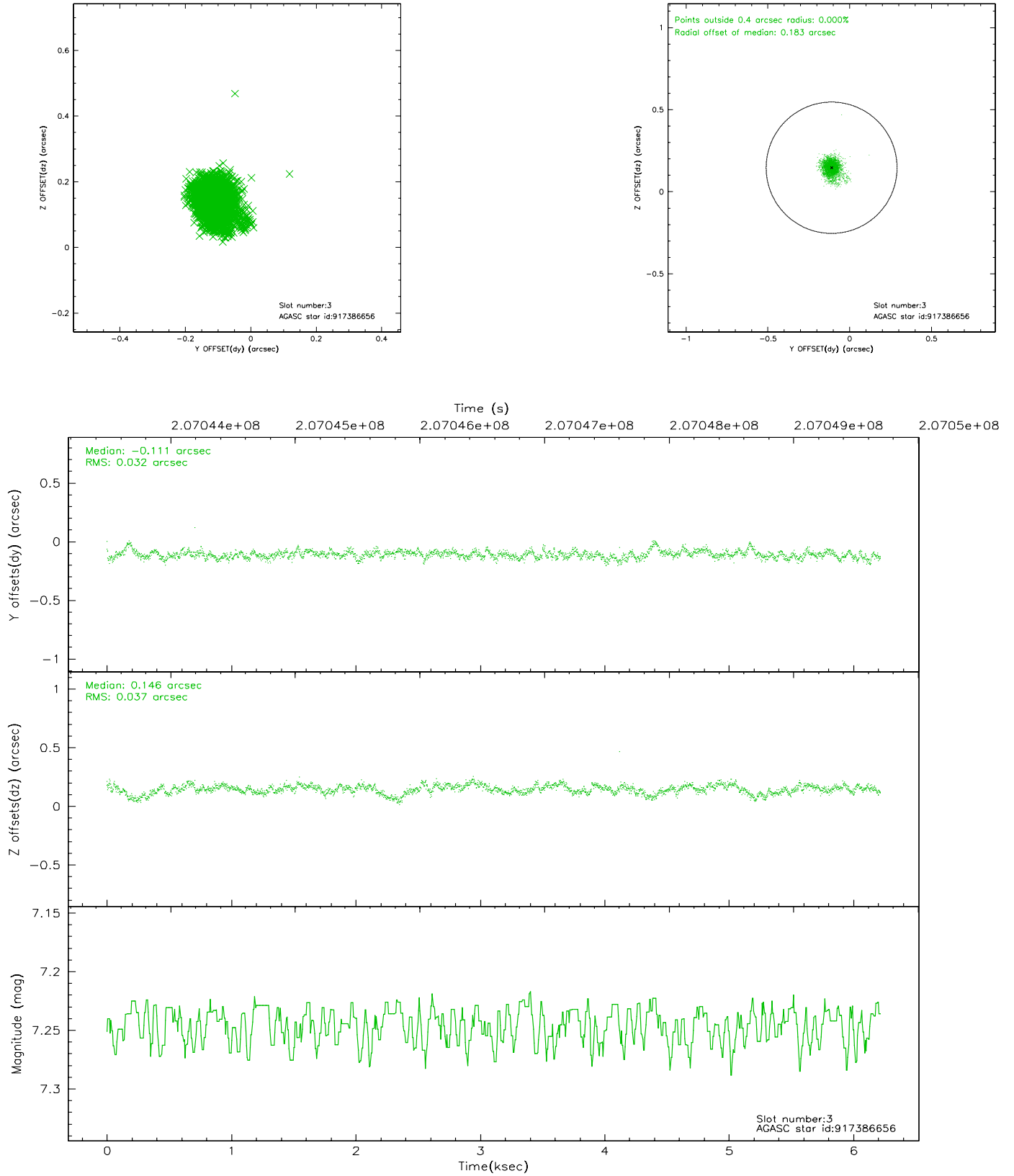
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	1517	0.002	0.026	0.006	0.011	0.000000	0.000000	937.48	-1725.98
1	FID	ACIS-S-5	7.23	1517	-0.050	0.007	0.006	0.011	0.000000	0.000000	-1811.00	170.64
2	FID	ACIS-S-6	7.35	1517	0.026	-0.023	0.007	0.013	0.000000	0.000000	402.08	815.60
3	GUIDE	917386656	7.24	3034	-0.111	0.146	0.049	0.087	15.342124	-33.359890	1181.35	-1003.80
4	GUIDE	917389080	10.15	3032	-0.042	0.104	0.125	0.210	15.722484	-33.662555	-46.67	-1994.94
5	GUIDE	917389288	9.57	3028	-0.104	0.198	0.114	0.183	15.394706	-33.185862	1782.29	-1241.51
6	GUIDE	917650528	8.73	3032	0.093	-0.355	0.070	0.117	14.274554	-33.869842	-247.25	2396.94
7	GUIDE	917651048	9.65	3026	0.170	-0.084	0.103	0.169	14.655628	-34.424089	-2364.44	1509.35

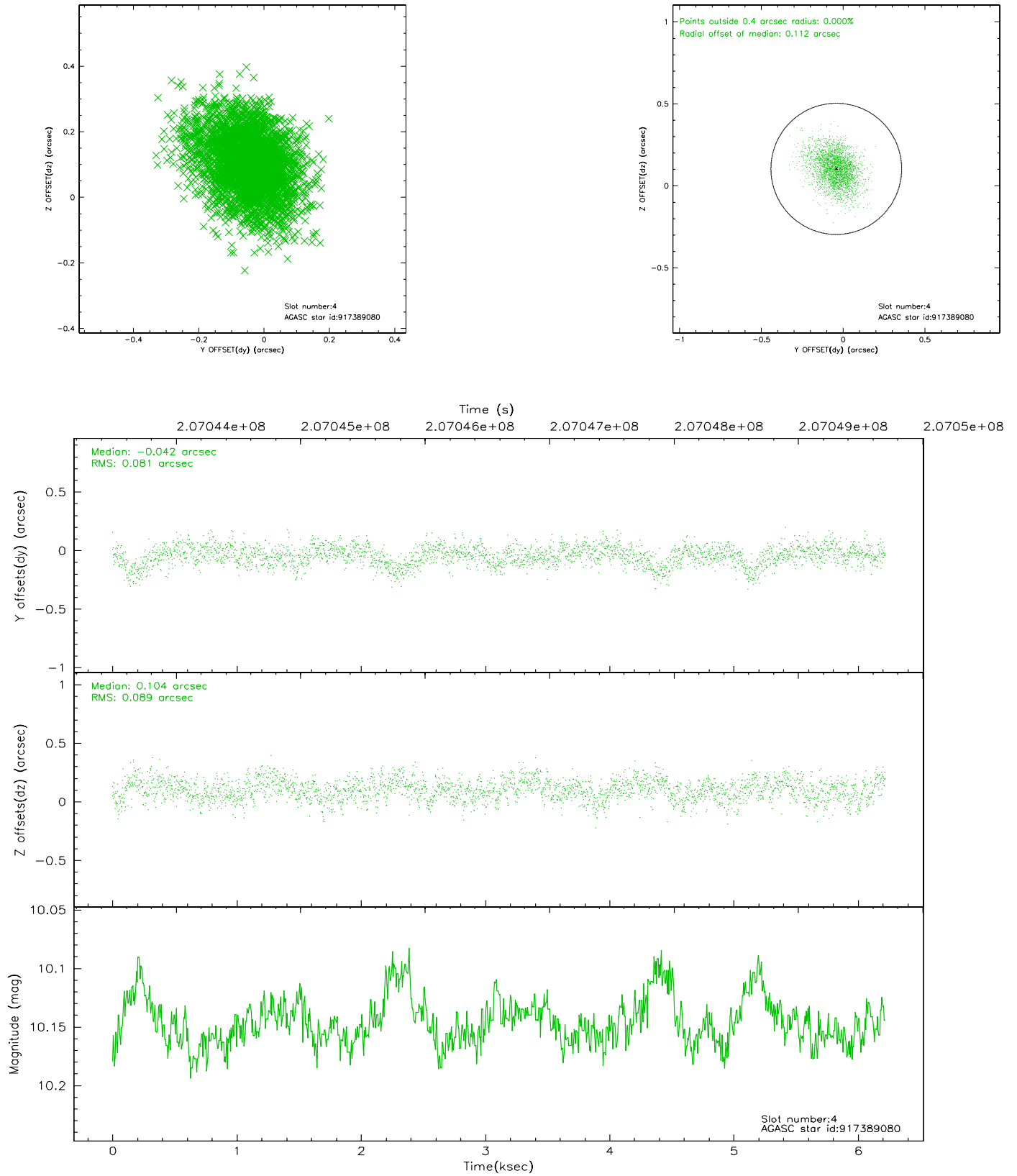


## 2.4 Star Slots

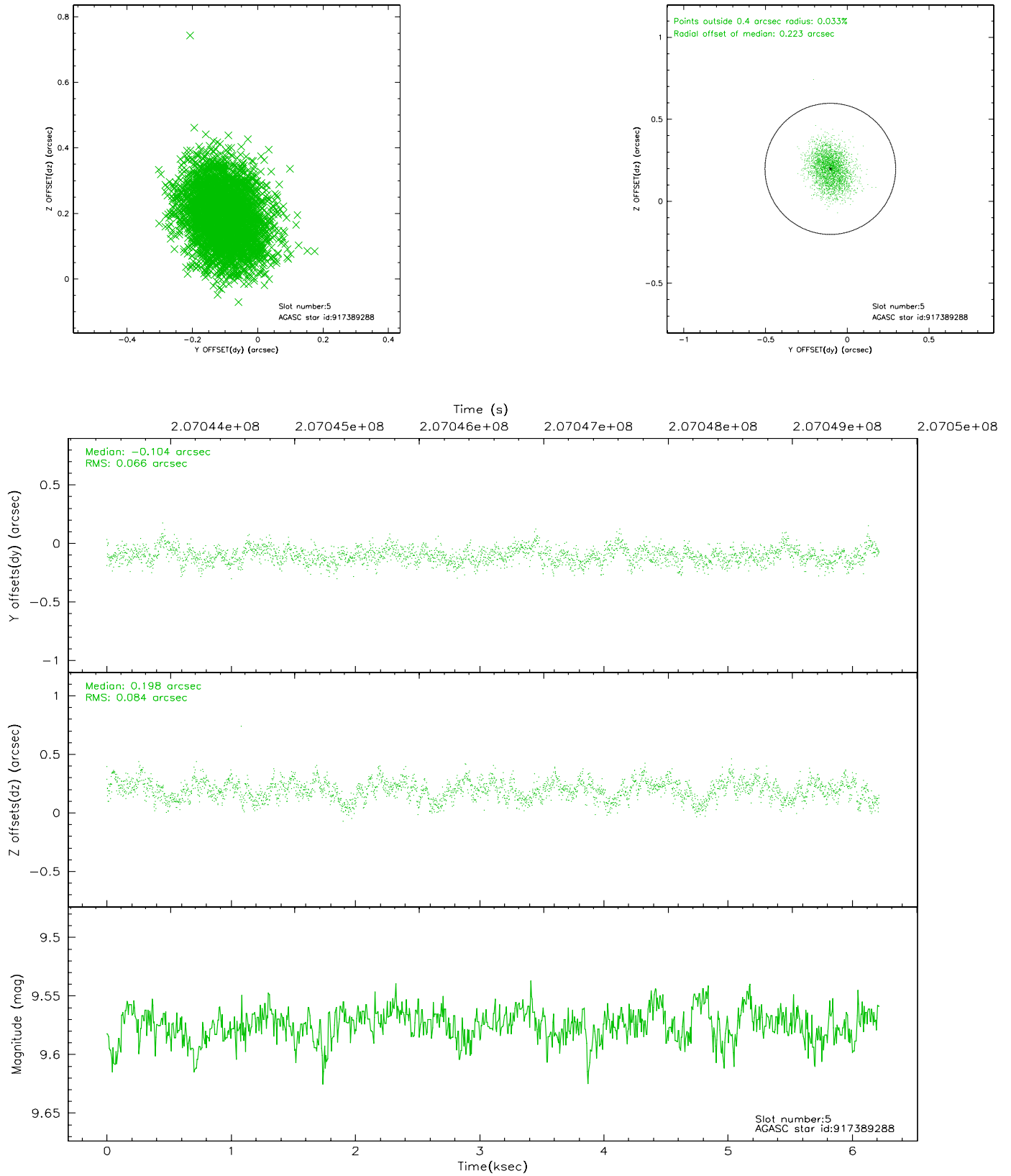
### 2.4.1 Slot 3



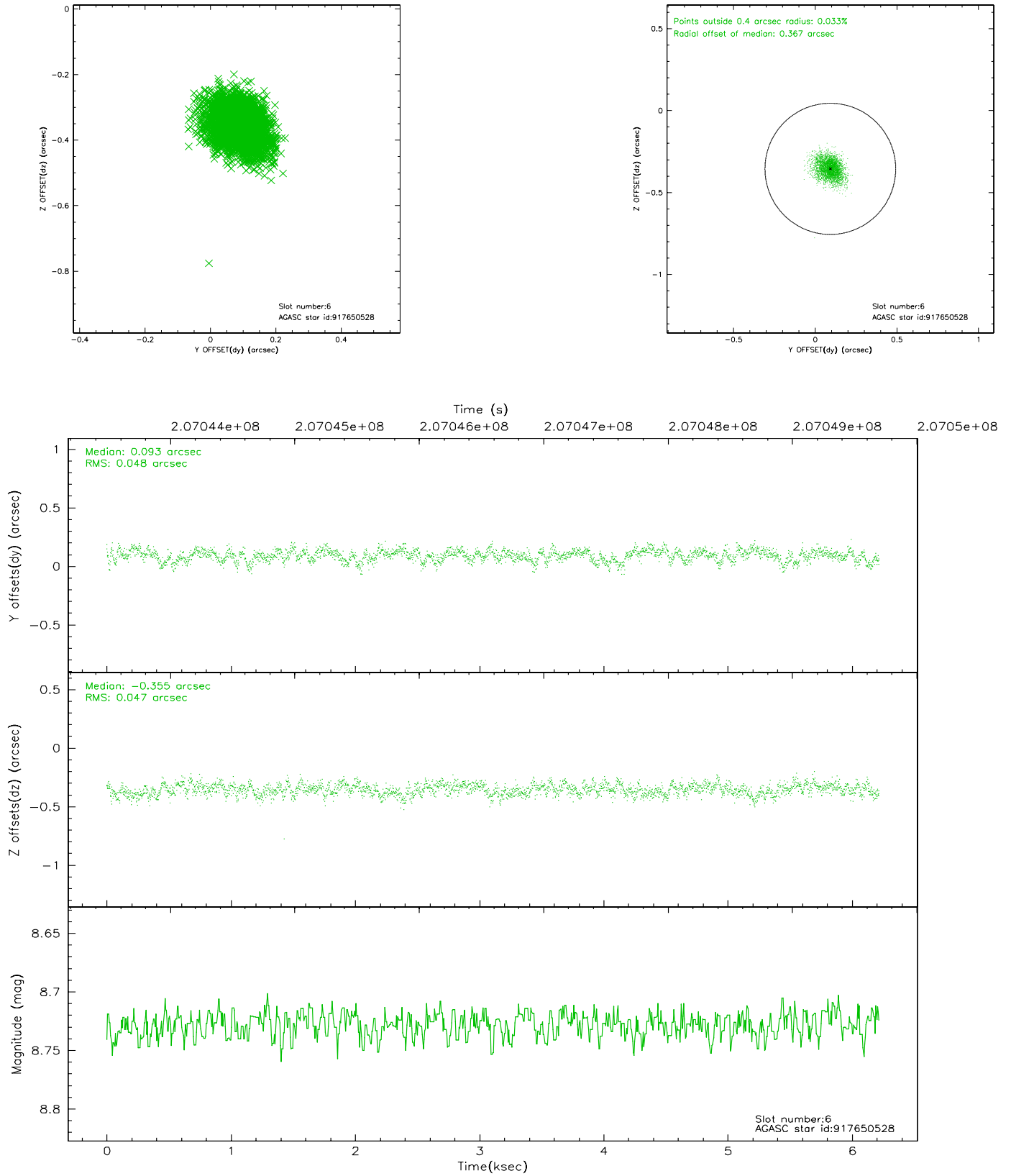
## 2.4.2 Slot 4



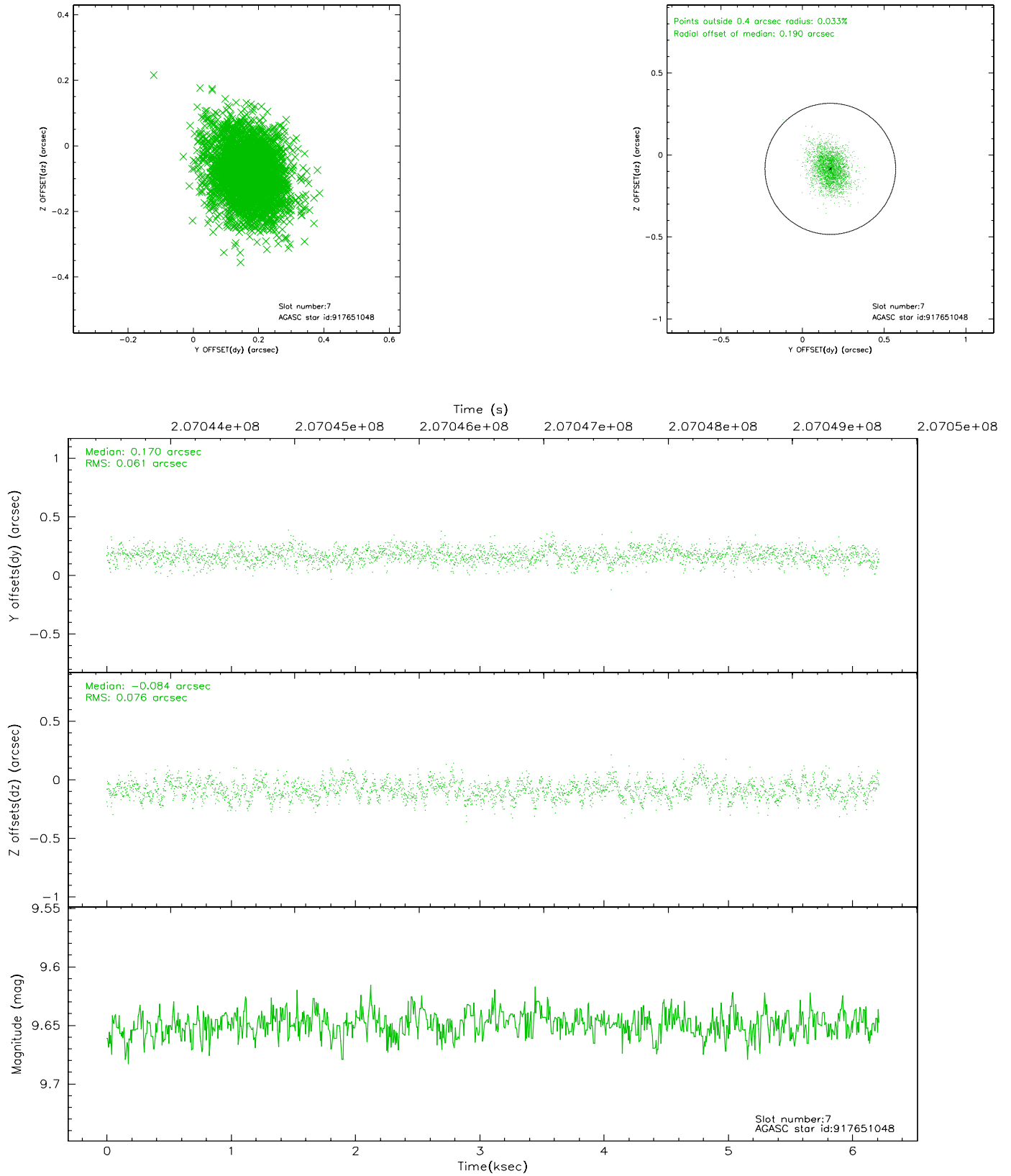
### 2.4.3 Slot 5



## 2.4.4 Slot 6

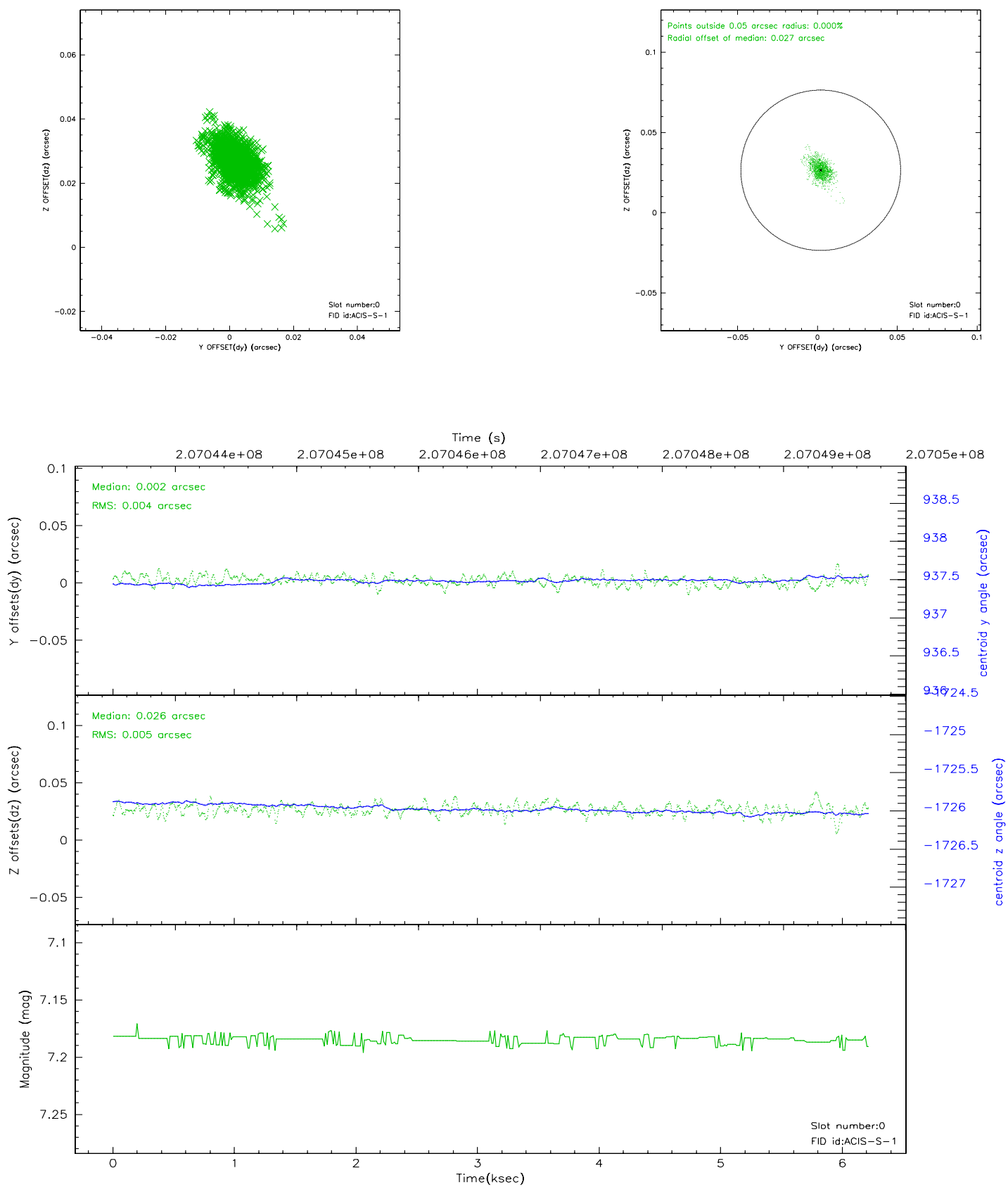


## 2.4.5 Slot 7

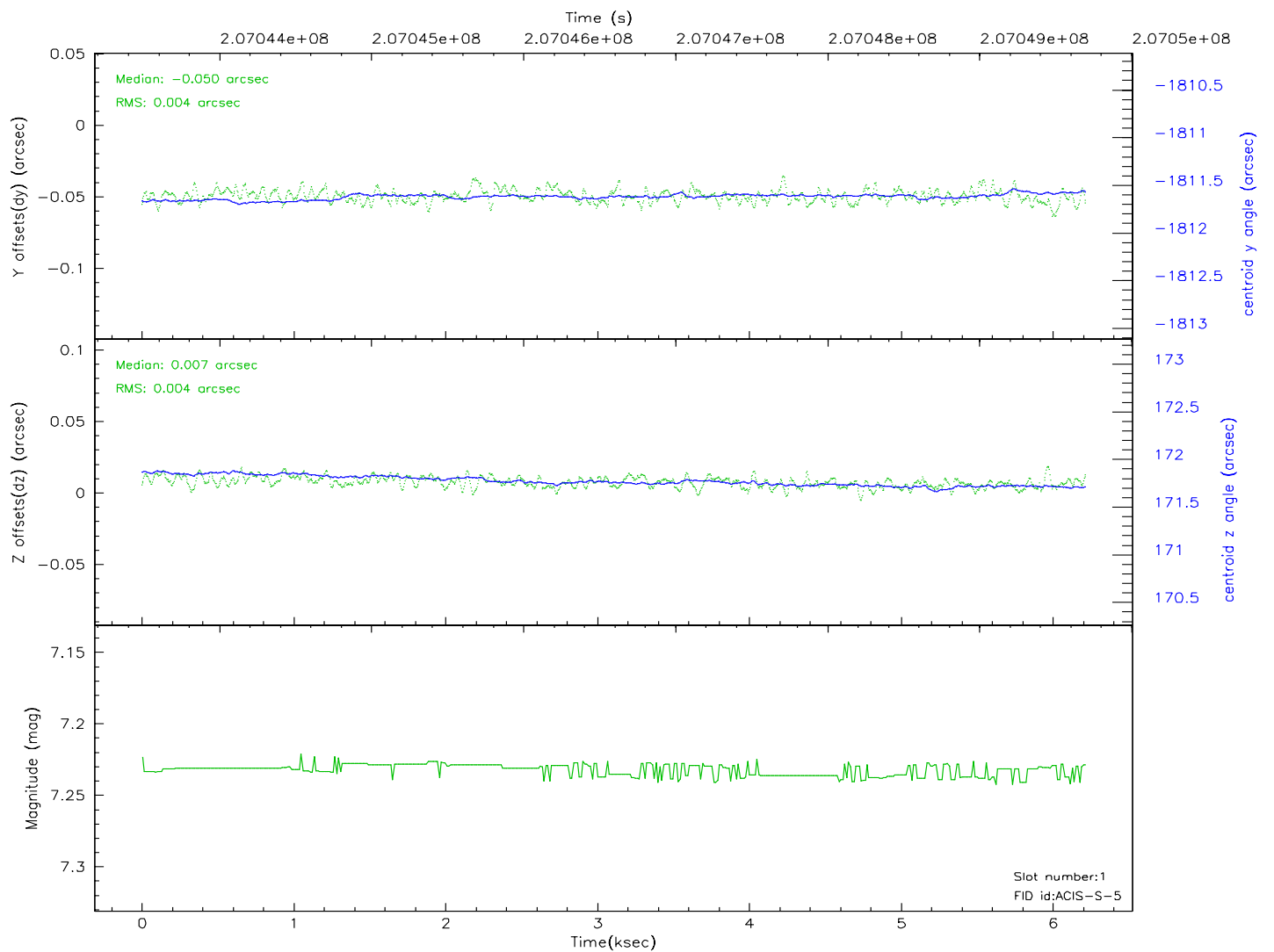
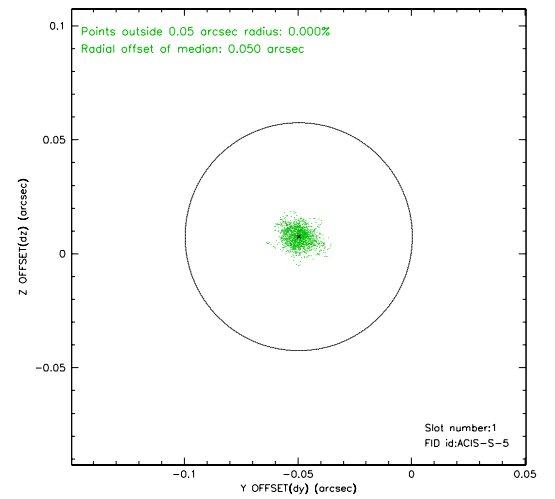
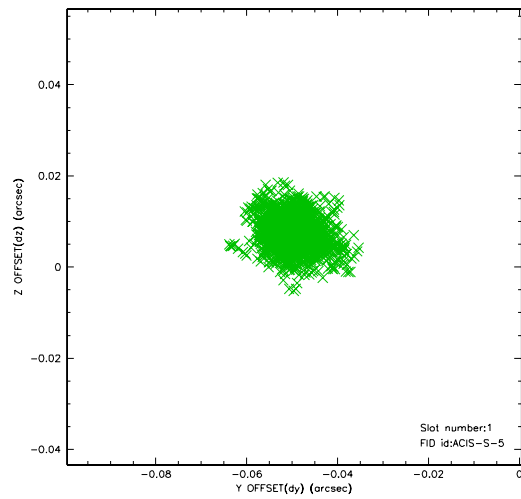


## 2.5 FID Slots

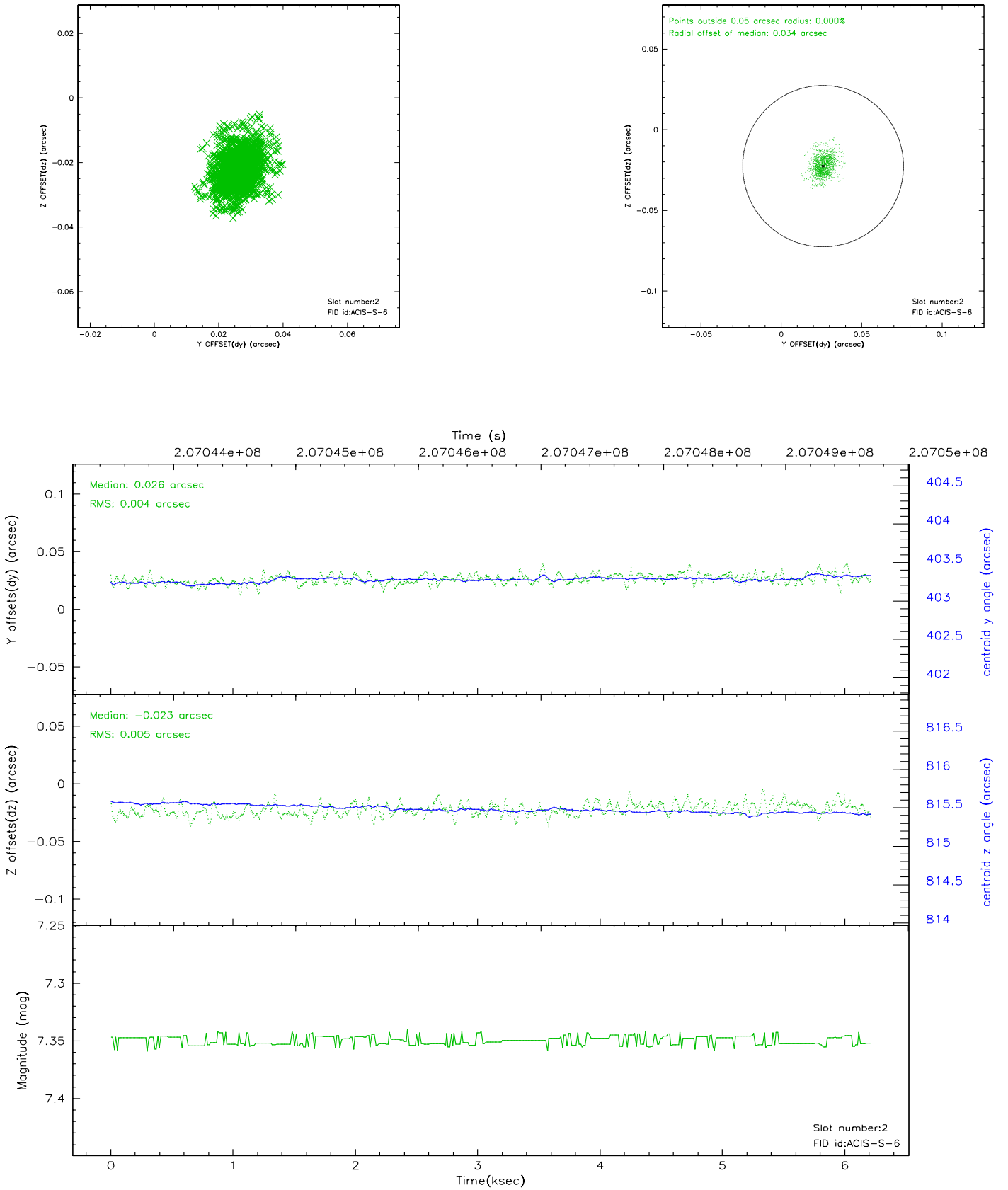
### 2.5.1 Slot 0



## 2.5.2 Slot 1

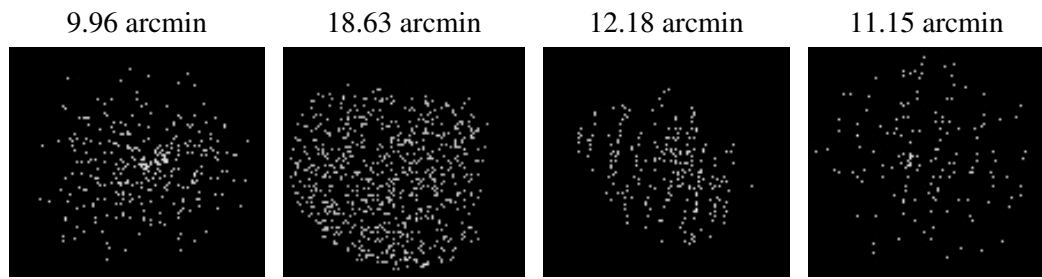


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.907

### A.2 Comments

Monitor constraint met.