

# V&V Reference Report

## L2 ASCDS Version : 7.6.8.1

Observation 3021 - L2 Version 001  
Chandra X-Ray Center

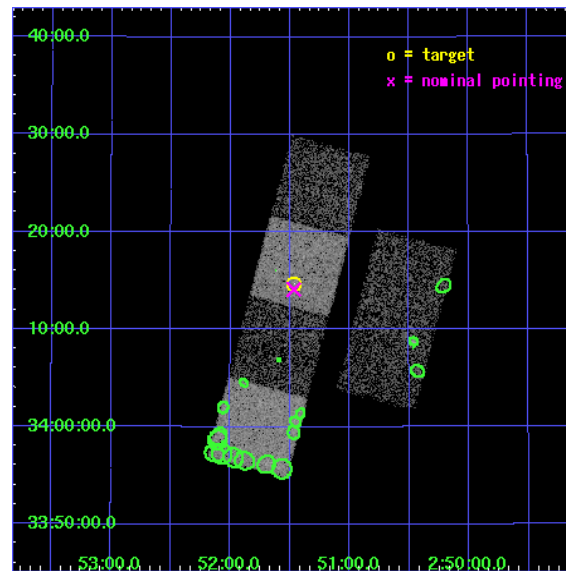
L2 Processing Date : Aug 29 2006

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# 1 Front

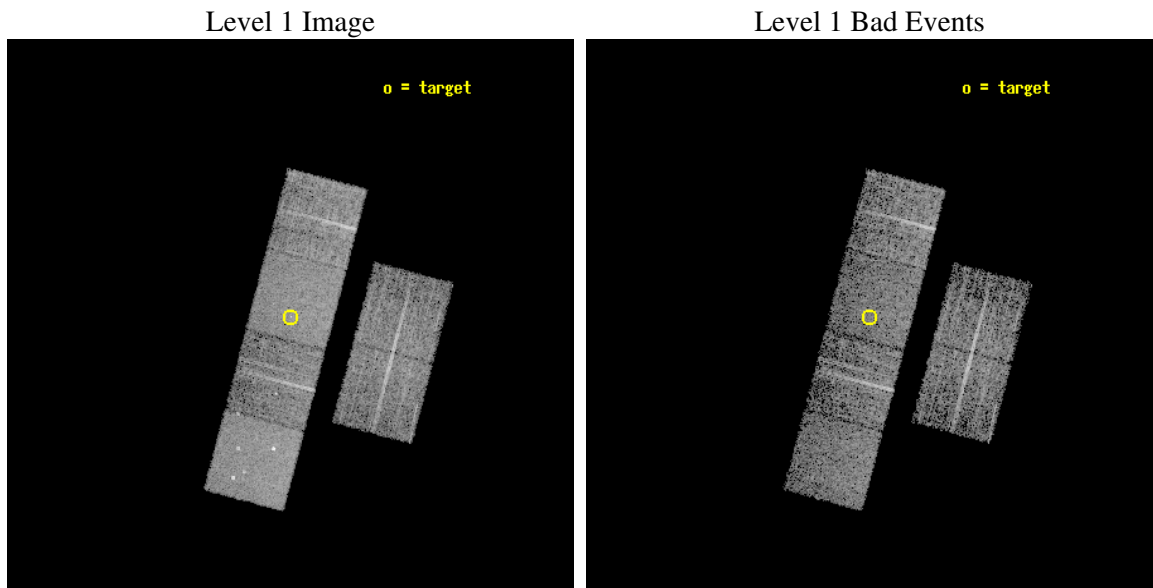
seq_num	700460
obs_id	3021
title	A SYSTEMATIC X-RAY SURVEY OF SUBMILLIMETRE-LUMINOUS QUASARS
observer	Dr Robert Priddey
object	HS0248+3402
dtcycle	0
cycle	P
ra_targ	42.86575
dec_targ	34.245028
ra_nom	42.86672926399
dec_nom	34.235282321879
roll_nom	284.80025898126
revision	2
ontime	5043.2000046968
livetime	4979.3399695869
ontime2	5043.2000046968
ontime3	5043.1968874335
ontime5	5043.2000046968
ontime6	5043.2000046968
ontime7	5043.2000046968
ontime8	5043.1558474302
l2events	47313



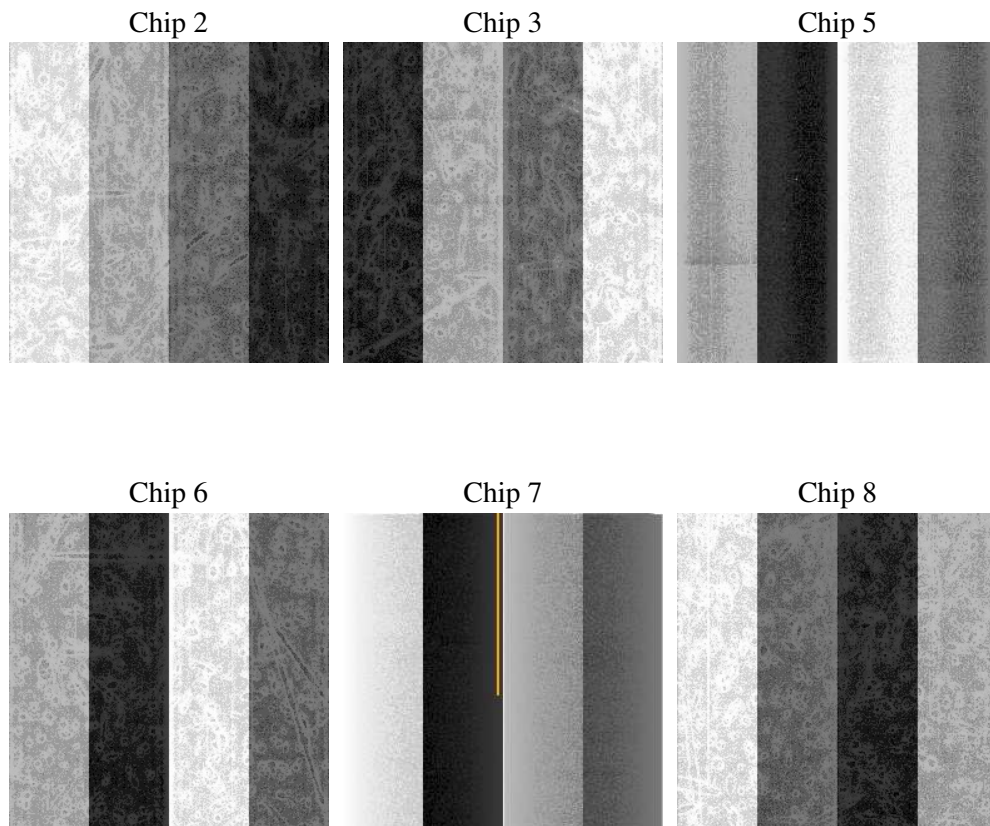
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.8.1
caldsver	3.2.3
date	2006-08-29T18:47:23
revision	2

sched_exp_time	5000.000000
ontime	5046.235793516
ontime2	5046.235793516
ontime3	5049.4768036008
ontime5	5046.235793516
ontime6	5049.4768036008
ontime7	5046.235793516
ontime8	5049.4768036008
l1events	220019

### 2.1.4 Events

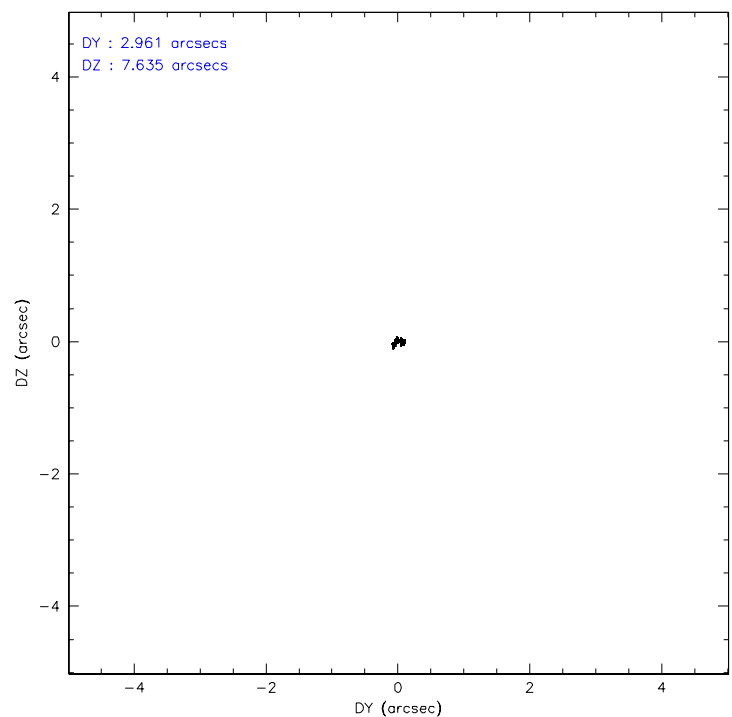
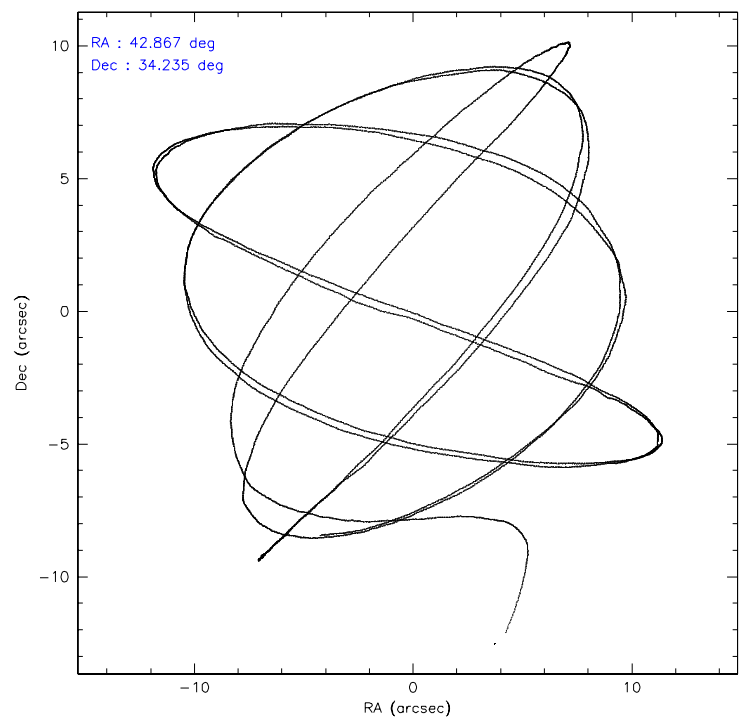
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	30891	30364	45639	31013	41477	40635
rejected events	27206	26815	24840	27189	25560	32532
rejected %	88%	88%	54%	87%	61%	80%

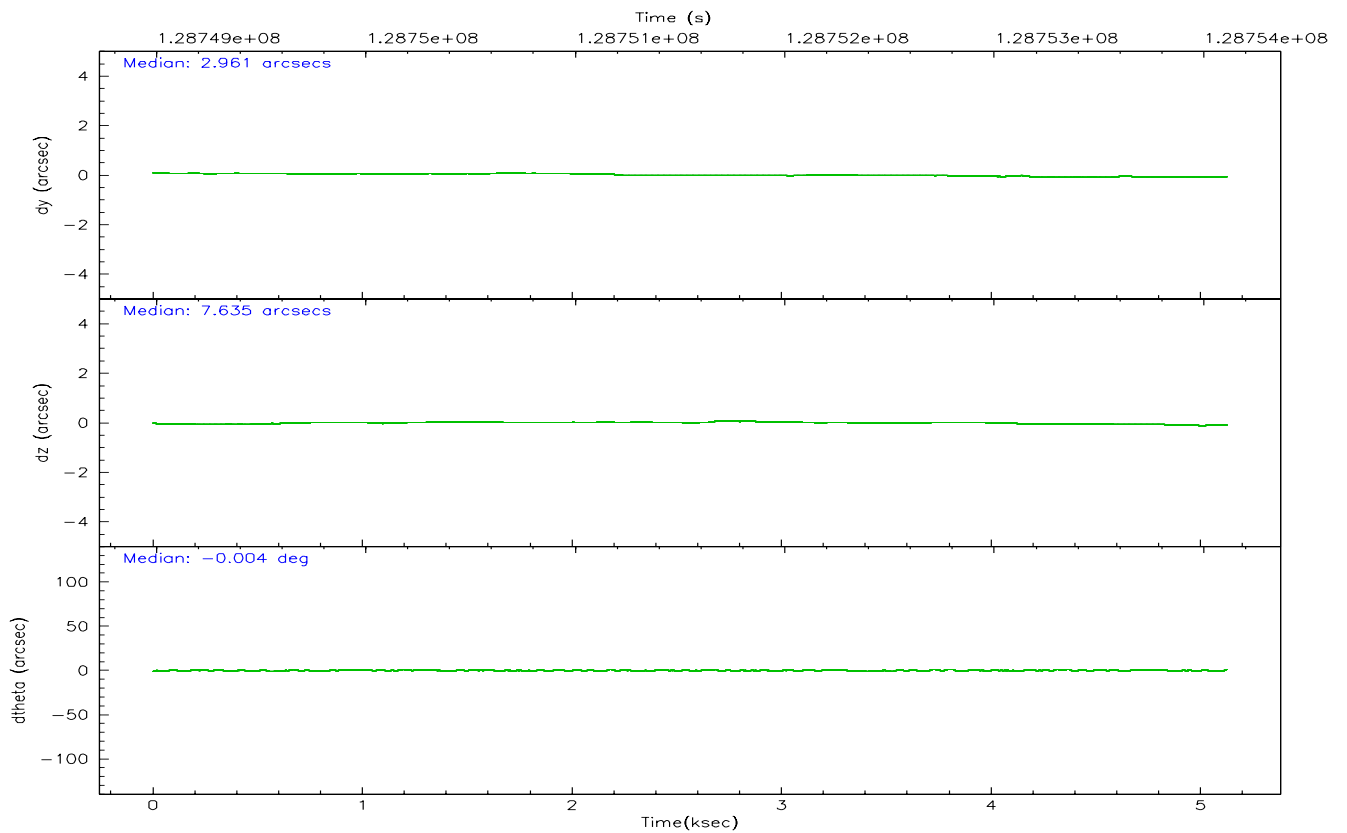
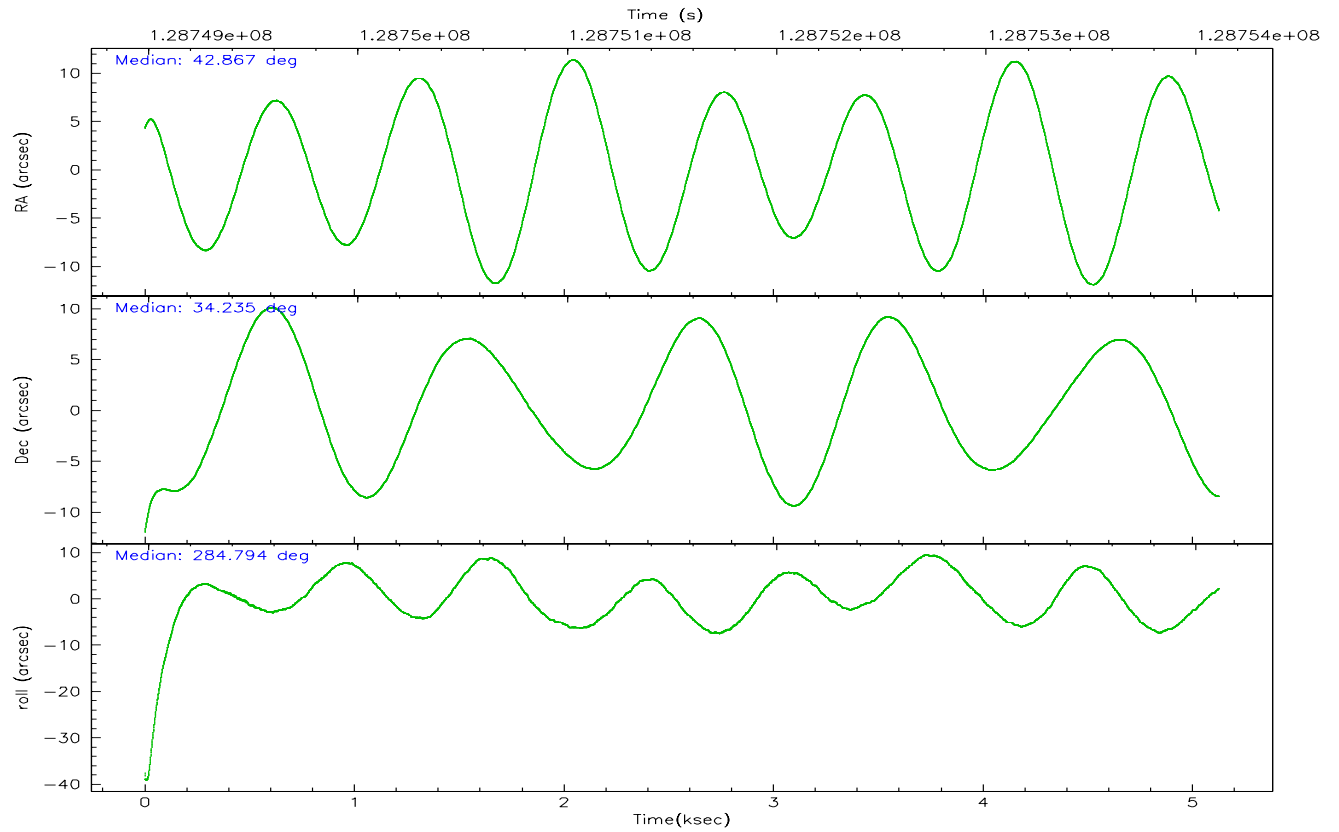
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1521	1453	2494	1578	939	2570
	4%	4%	5%	5%	2%	6%
grade 1 events	19	11	71	16	32	20
	0%	0%	0%	0%	0%	0%
grade 2 events	814	679	6176	809	3895	1779
	2%	2%	13%	2%	9%	4%
grade 3 events	329	356	448	399	837	942
	1%	1%	0%	1%	2%	2%
grade 4 events	333	391	487	327	837	848
	1%	1%	1%	1%	2%	2%
grade 5 events	1152	1214	2101	1344	2743	1751
	3%	3%	4%	4%	6%	4%
grade 6 events	691	674	11206	717	9417	1994
	2%	2%	24%	2%	22%	4%
grade 7 events	26032	25586	22656	25823	22777	30731
	84%	84%	49%	83%	54%	75%

## 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	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	42.843180	42.86672926399017	Alternating exposures requested	N	N
Pointing Dec	34.254449	34.23528232187891	Primary exposure time	0.000000	3.2
Pointing Roll	284.656942	284.8002589812623			
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	128749112.184000	128747979.11313			
Observation start date	2002-01-30T03:37:28	2002-01-30T03:19:39			
Observation end time	128754112.184000	128754580.1134			
Observation end date	2002-01-30T05:00:48	2002-01-30T05:09:40			
Read mode	TIMED	TIMED			

## 2.3 Aspect





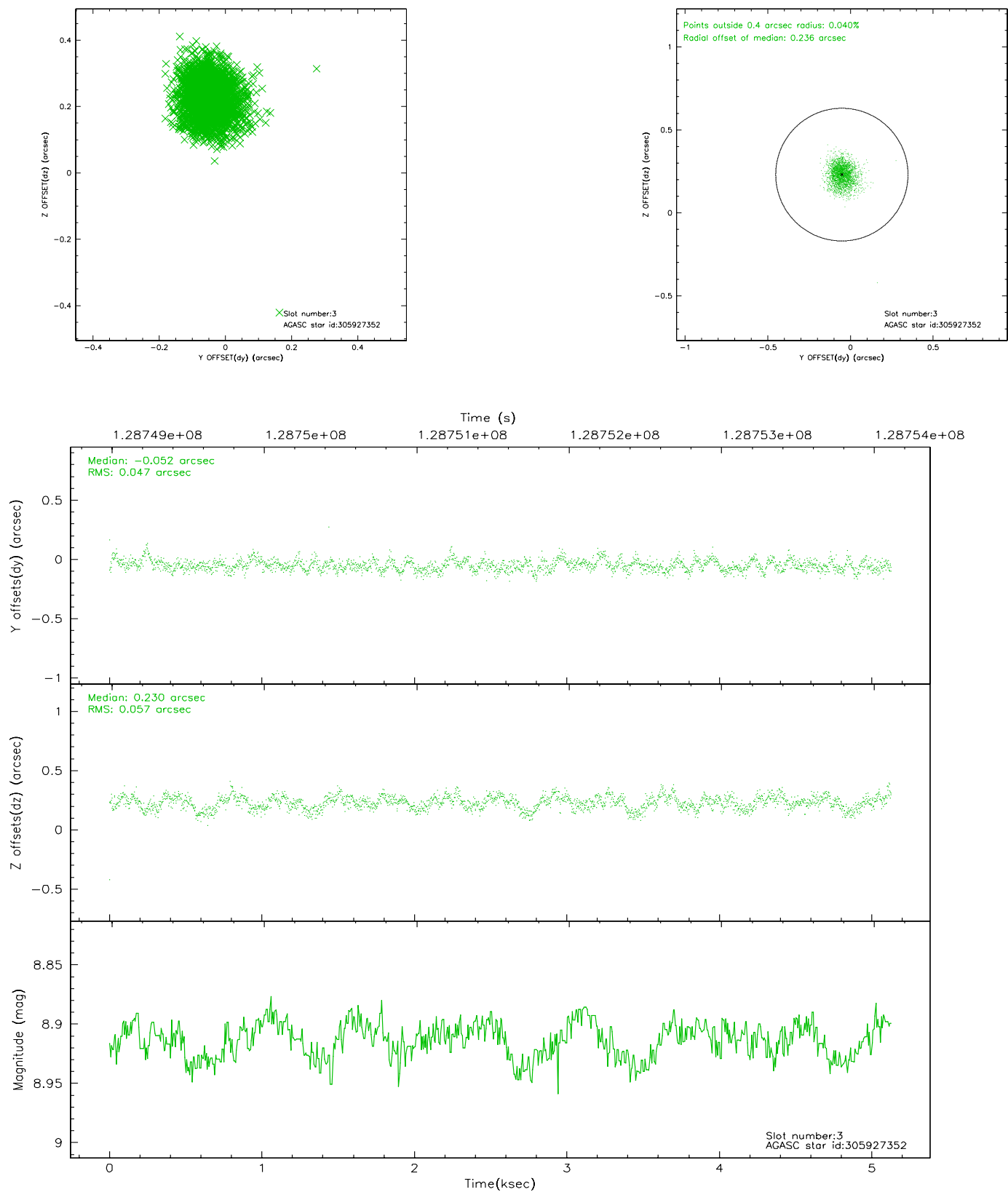
### Slot Statistics

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	1251	0.008	0.026	0.006	0.011	0.000000	0.000000	-755.61	-1728.78
1	FID	ACIS-S-4	7.20	1251	-0.085	-0.011	0.005	0.009	0.000000	0.000000	2157.05	178.43
2	FID	ACIS-S-5	7.24	1249	0.045	-0.007	0.006	0.010	0.000000	0.000000	-1806.88	173.47
3	GUIDE	305927352	8.91	2502	-0.052	0.230	0.077	0.126	42.757523	34.626838	-1361.14	93.32
4	GUIDE	305923536	9.21	2501	0.215	0.176	0.085	0.135	43.466747	34.044339	1196.65	1609.46
5	GUIDE	305798040	9.22	2502	-0.260	-0.436	0.076	0.124	42.339320	34.510083	-1271.58	-1212.72
6	GUIDE	305801384	9.52	2501	-0.020	0.012	0.088	0.146	42.277056	33.825641	1060.49	-2028.30
7	GUIDE	305273040	9.31	2501	0.117	0.023	0.076	0.121	42.495897	33.675058	1753.92	-1535.04

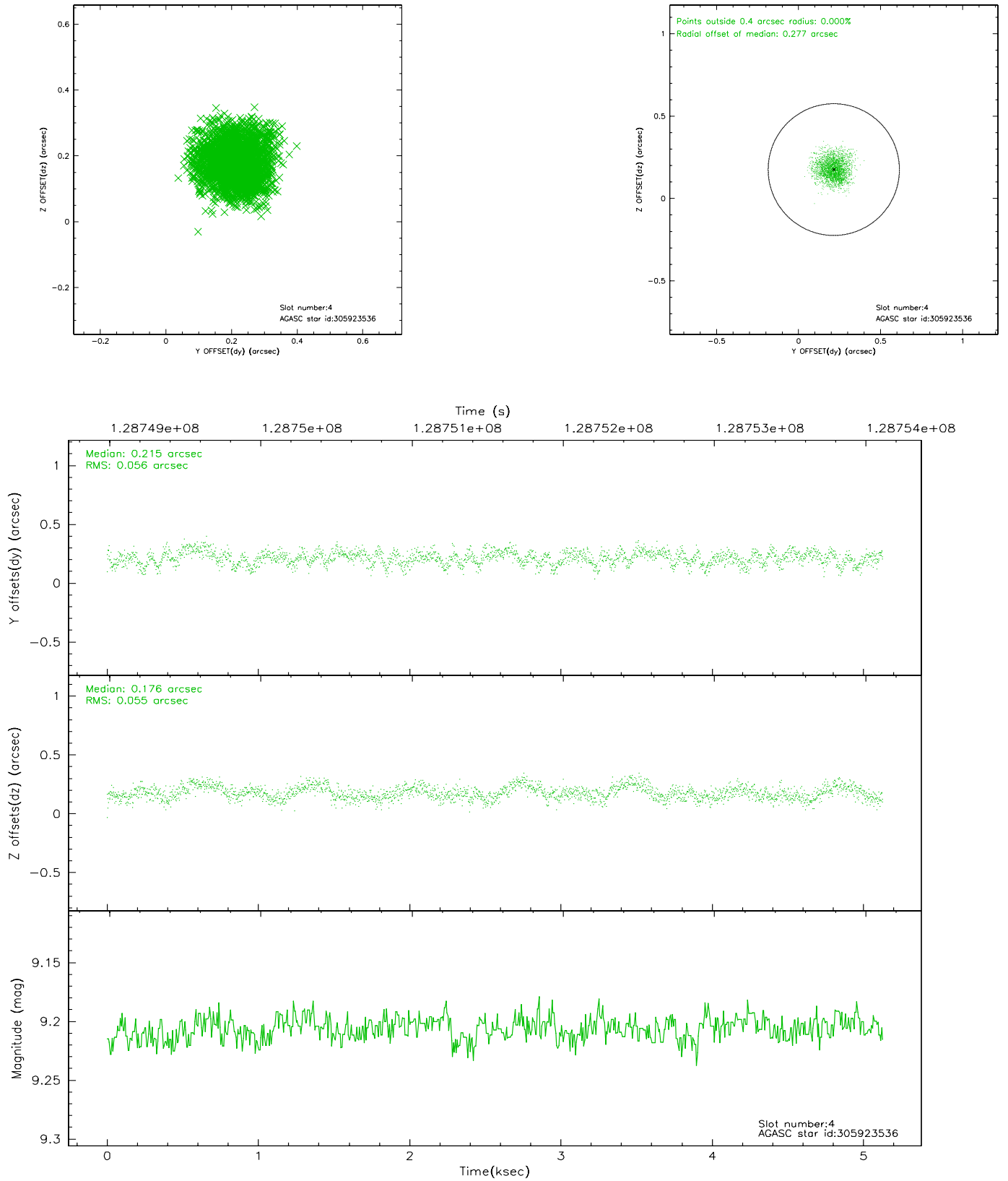


## 2.4 Star Slots

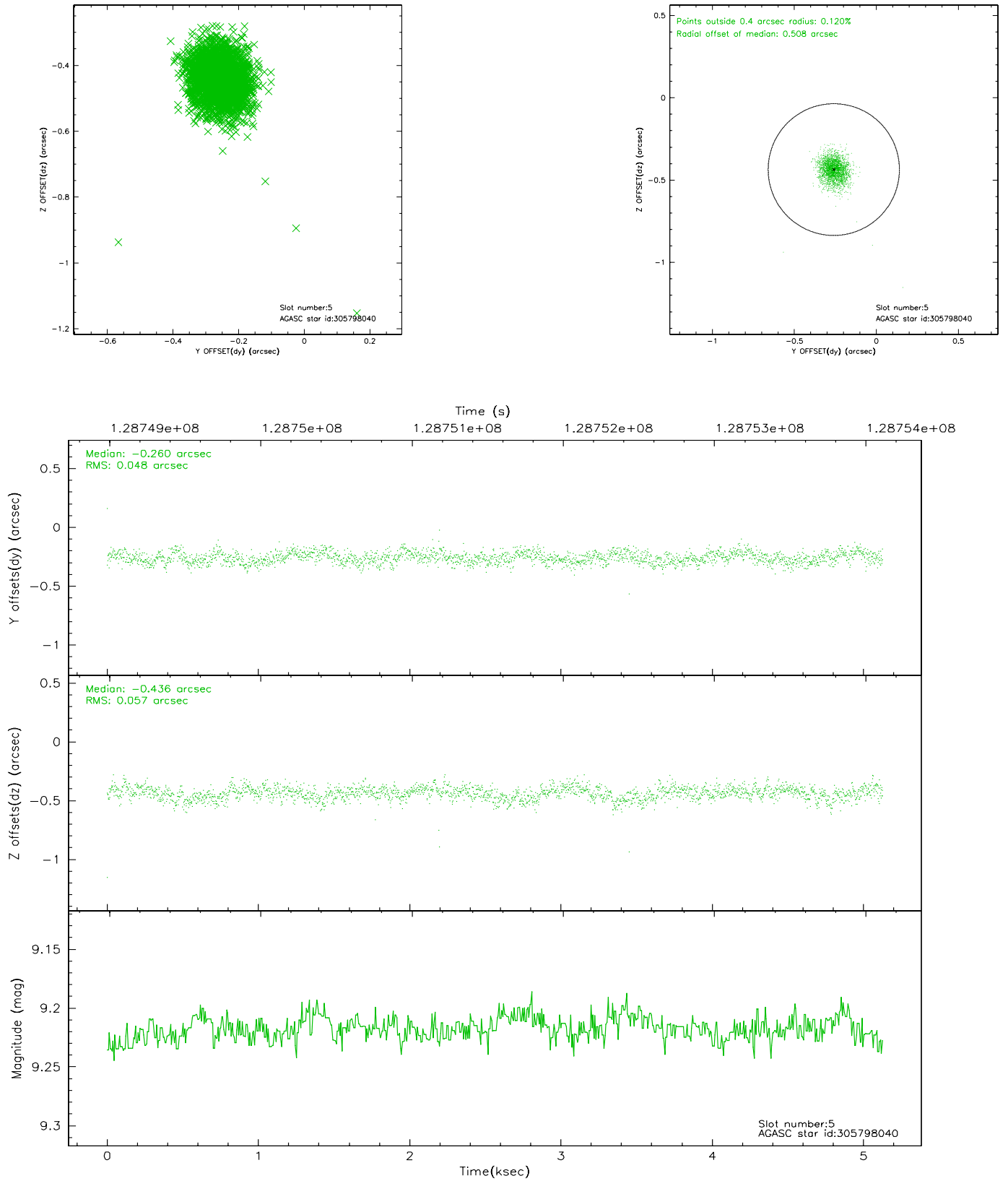
### 2.4.1 Slot 3



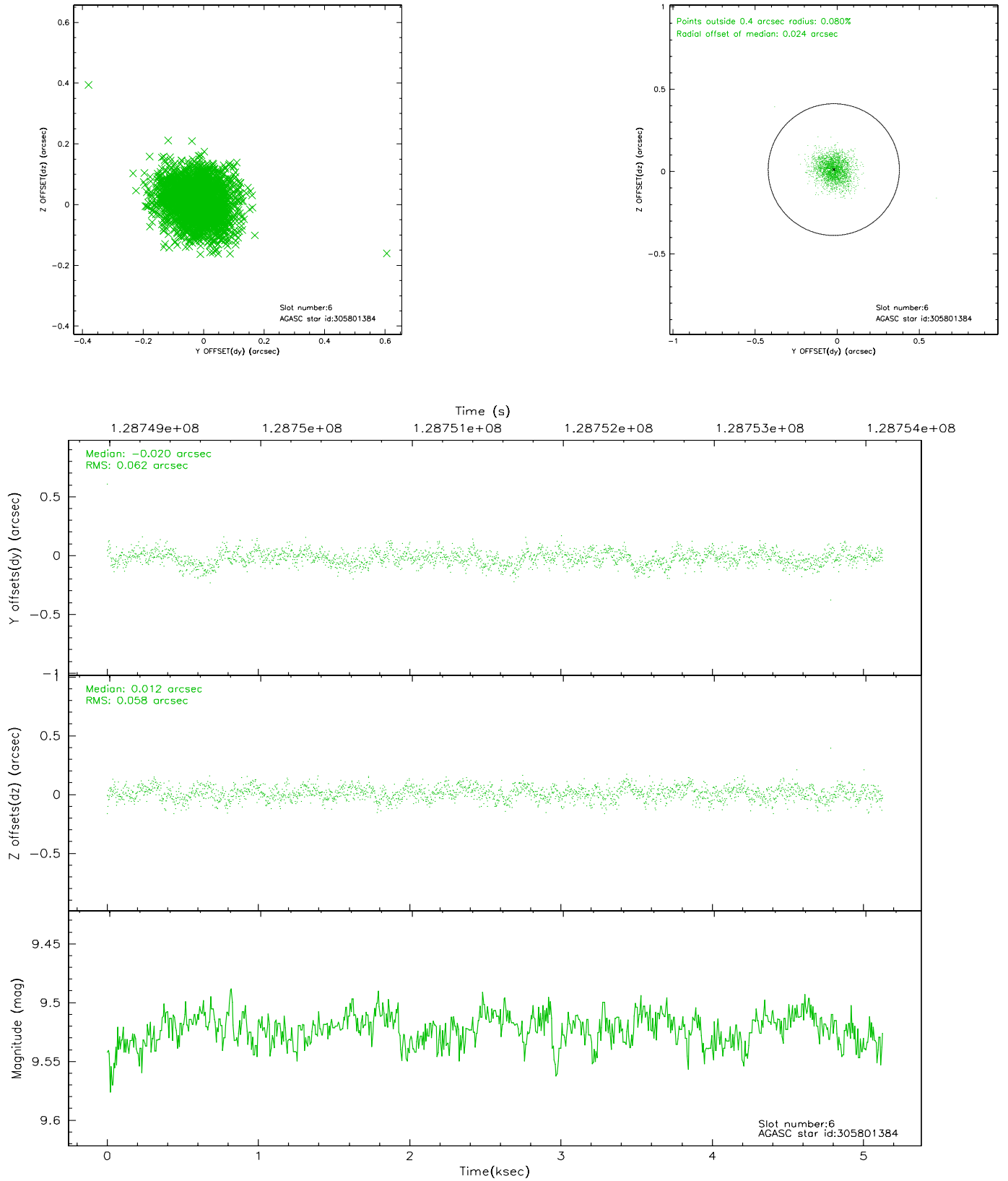
## 2.4.2 Slot 4



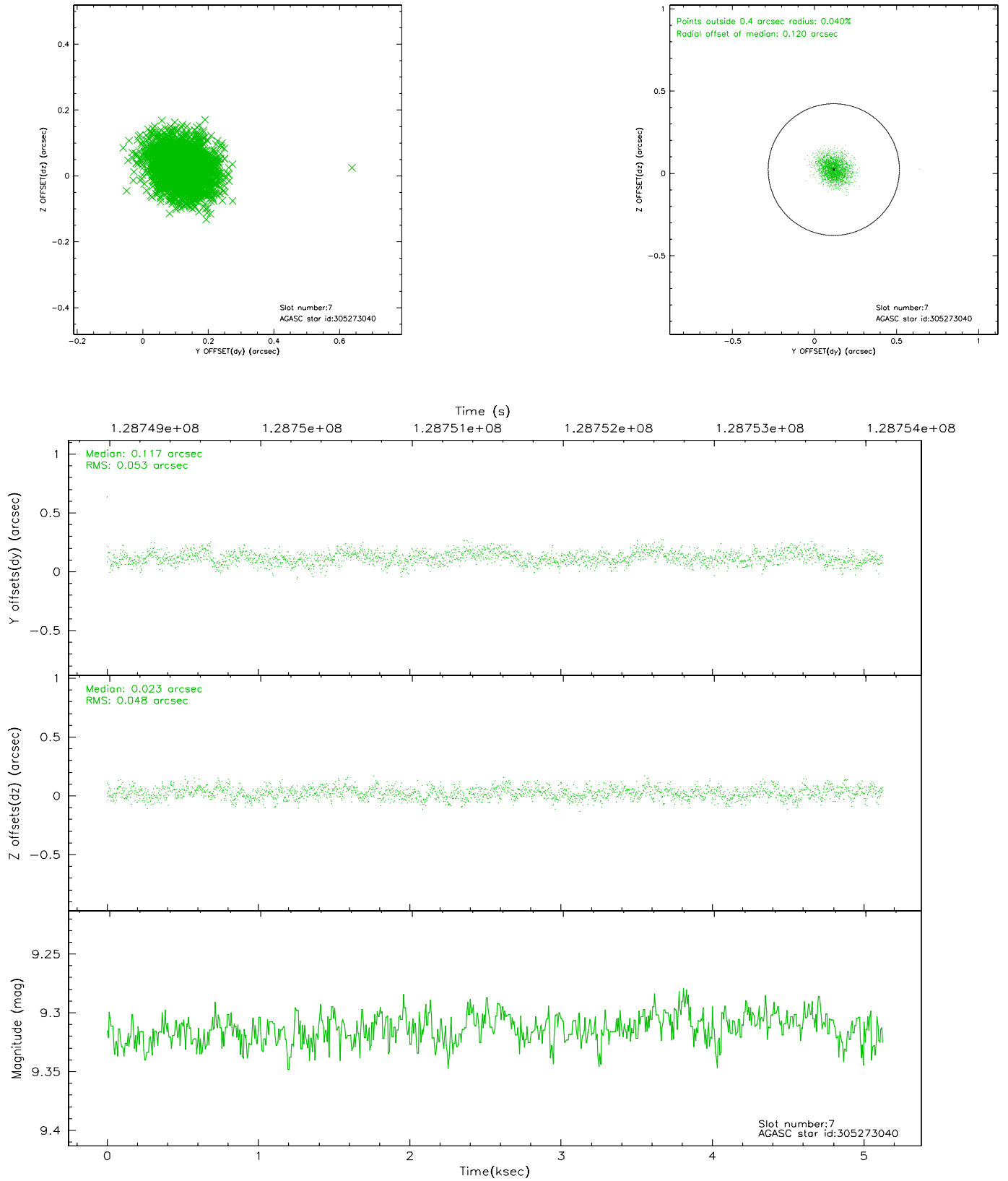
### 2.4.3 Slot 5



## 2.4.4 Slot 6

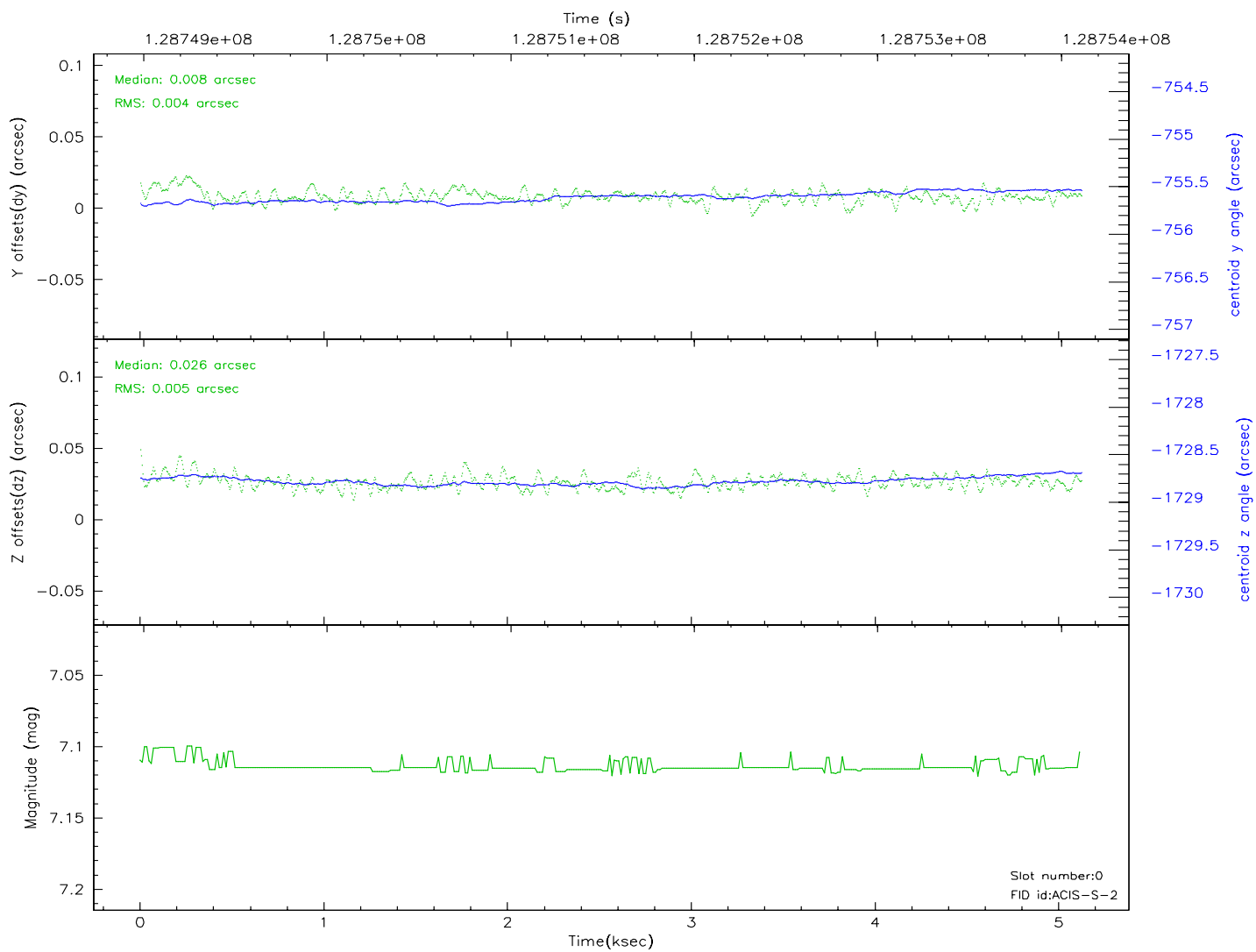
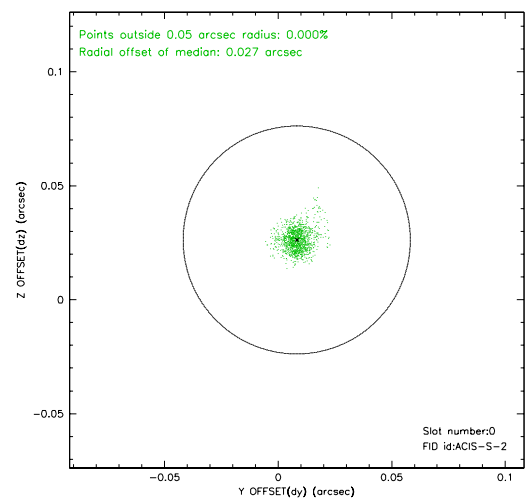
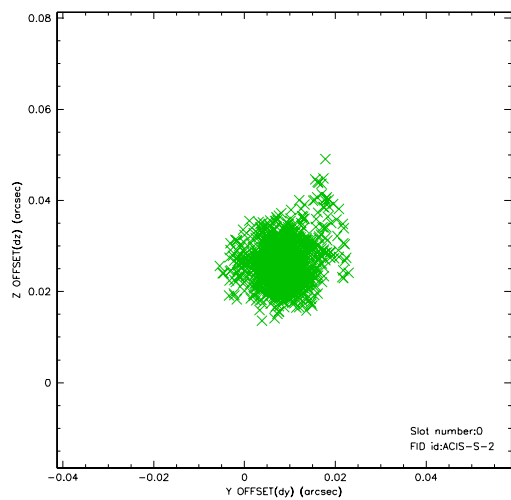


## 2.4.5 Slot 7

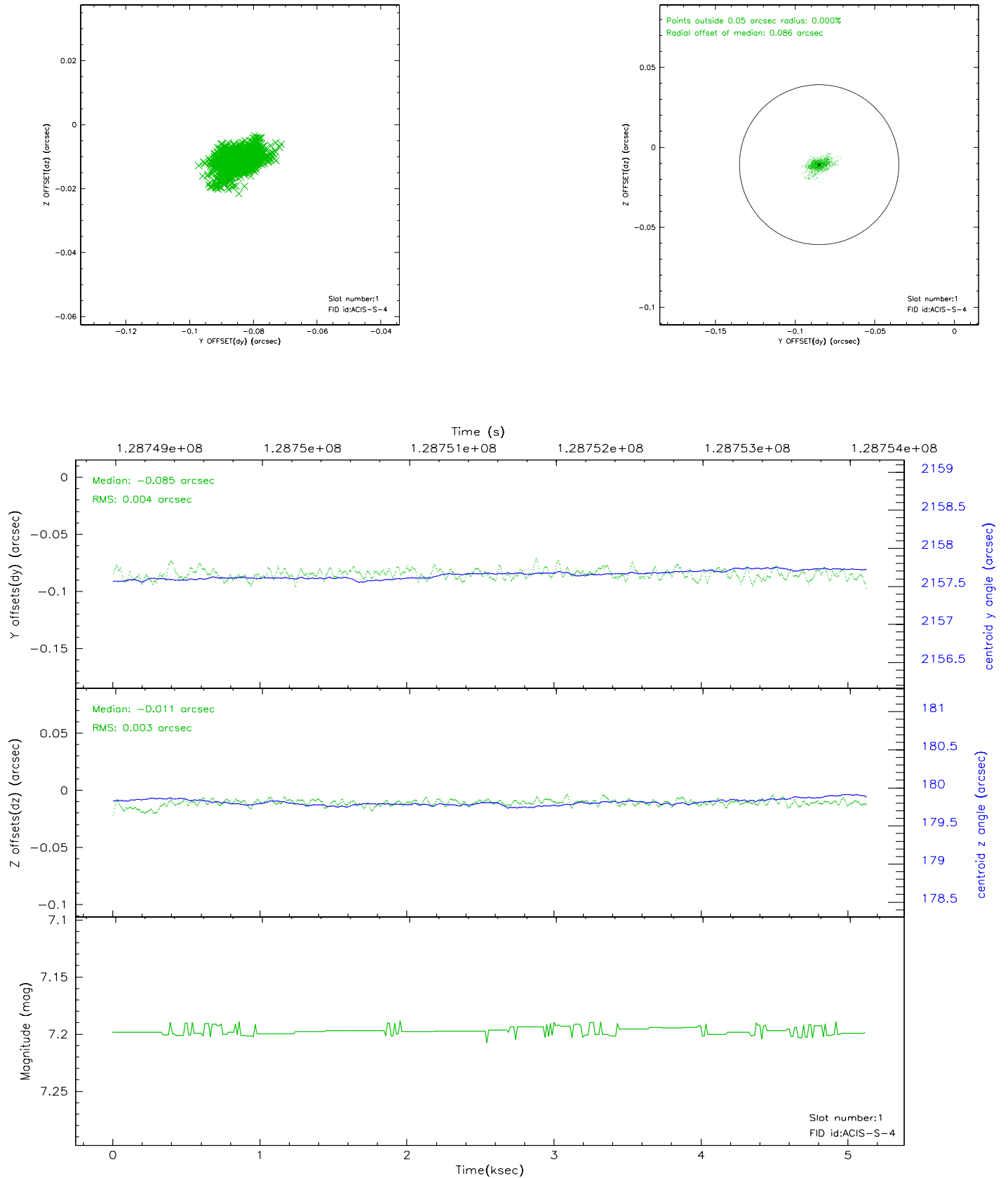


## 2.5 FID Slots

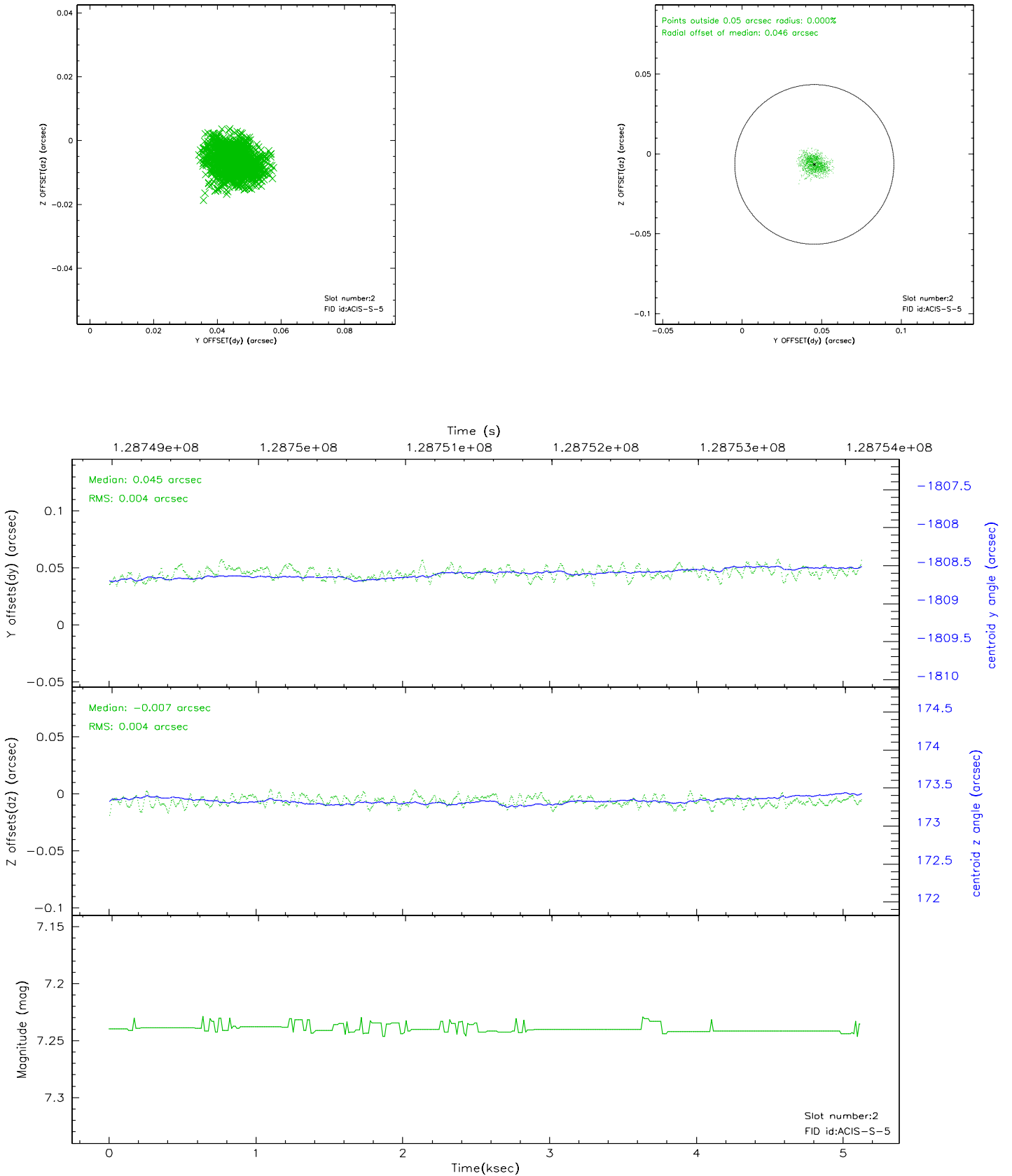
### 2.5.1 Slot 0



## 2.5.2 Slot 1

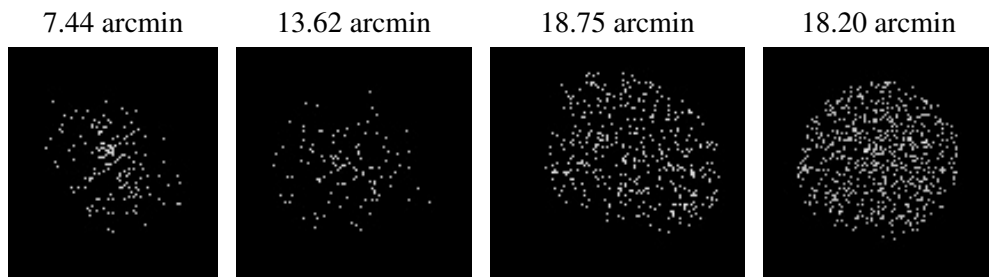


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.08.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.043

### A.2 Comments