

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2081 - L2 Version 001  
Chandra X-Ray Center

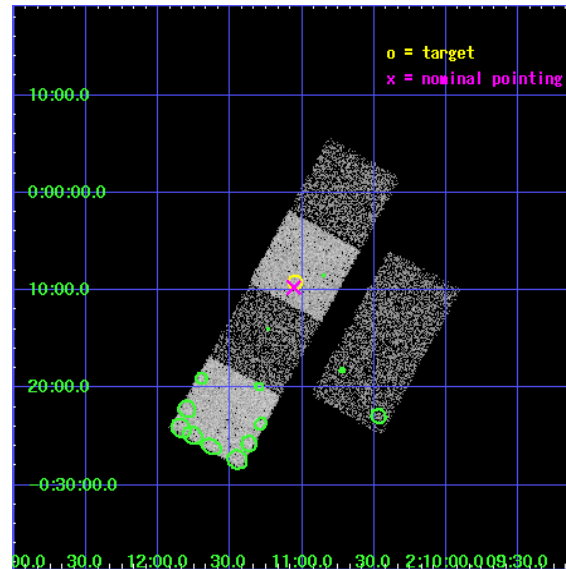
L2 Processing Date : Nov 2 2006

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# 1 Front

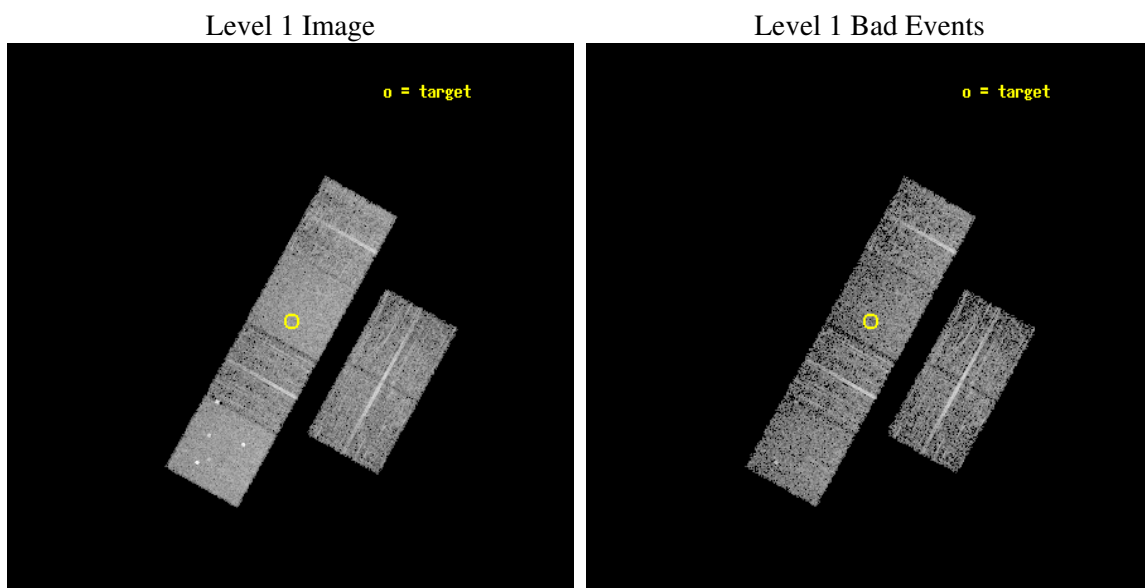
seq_num	700271
obs_id	2081
title	AN X-RAY STUDY OF THE MOST DISTANT QUASARS FROM THE SLOAN DIGITAL SKY SURVEY
observer	Prof. William Brandt
object	SDSS021102-000910
dtcycle	0
cycle	P
ra_targ	32.76125
dec_targ	-0.152861
ra_nom	32.764461411905
dec_nom	-0.16222679196954
roll_nom	299.10316330601
revision	2
ontime	4950.4000046104
livetime	4887.715058979
ontime2	4950.4000046104
ontime3	4950.4000046104
ontime5	4950.4000046104
ontime6	4950.4000046104
ontime7	4950.4000046104
ontime8	4950.4000046104
l2events	43467



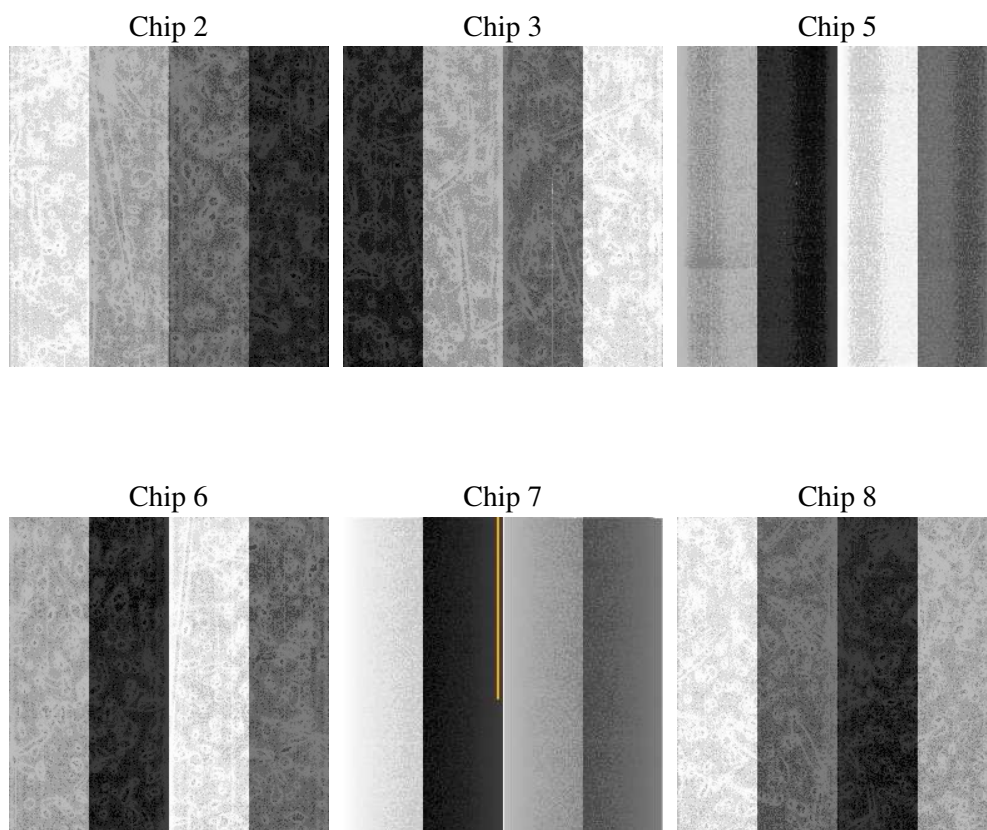
## 2 OBI

### 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	2006-11-02T15:14:16
revision	2

sched_exp_time	5000.000000
ontime	4955.4907302111
ontime2	4955.4907302111
ontime3	4955.4907302111
ontime5	4955.4907302111
ontime6	4955.4907302111
ontime7	4955.4907302111
ontime8	4955.4907302111
l1events	203002

### 2.1.4 Events

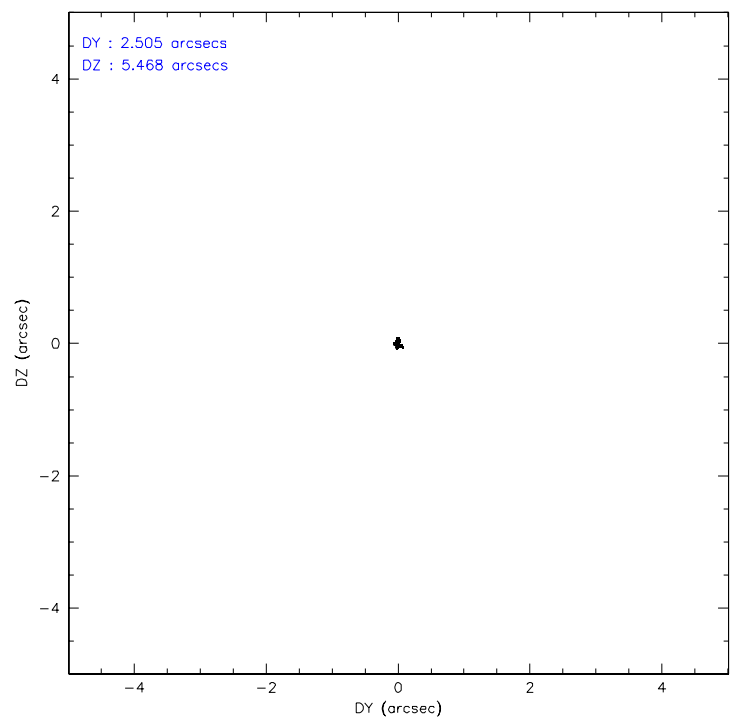
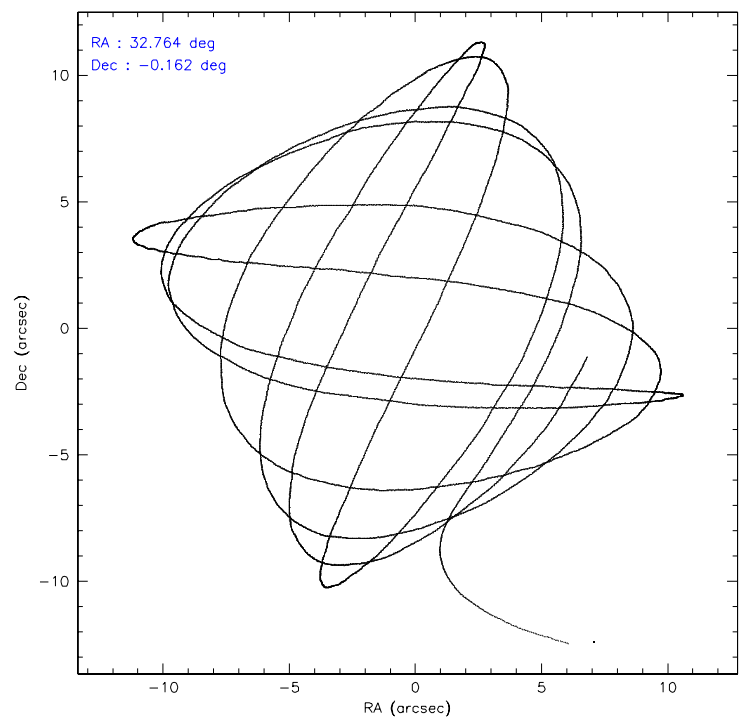
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	28809	28527	42989	29227	37741	35709
rejected events	25496	25170	23283	25919	23023	28712
rejected %	88%	88%	54%	88%	61%	80%

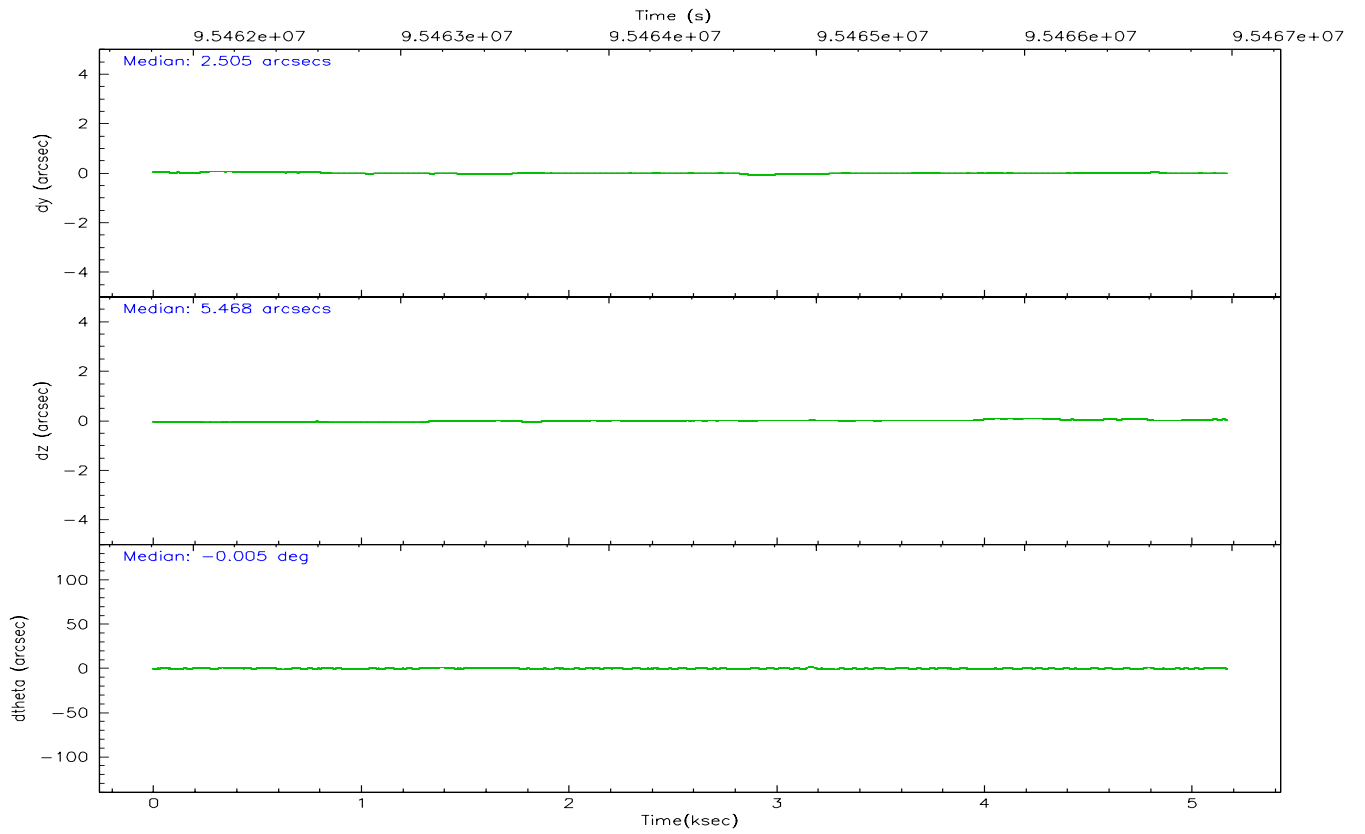
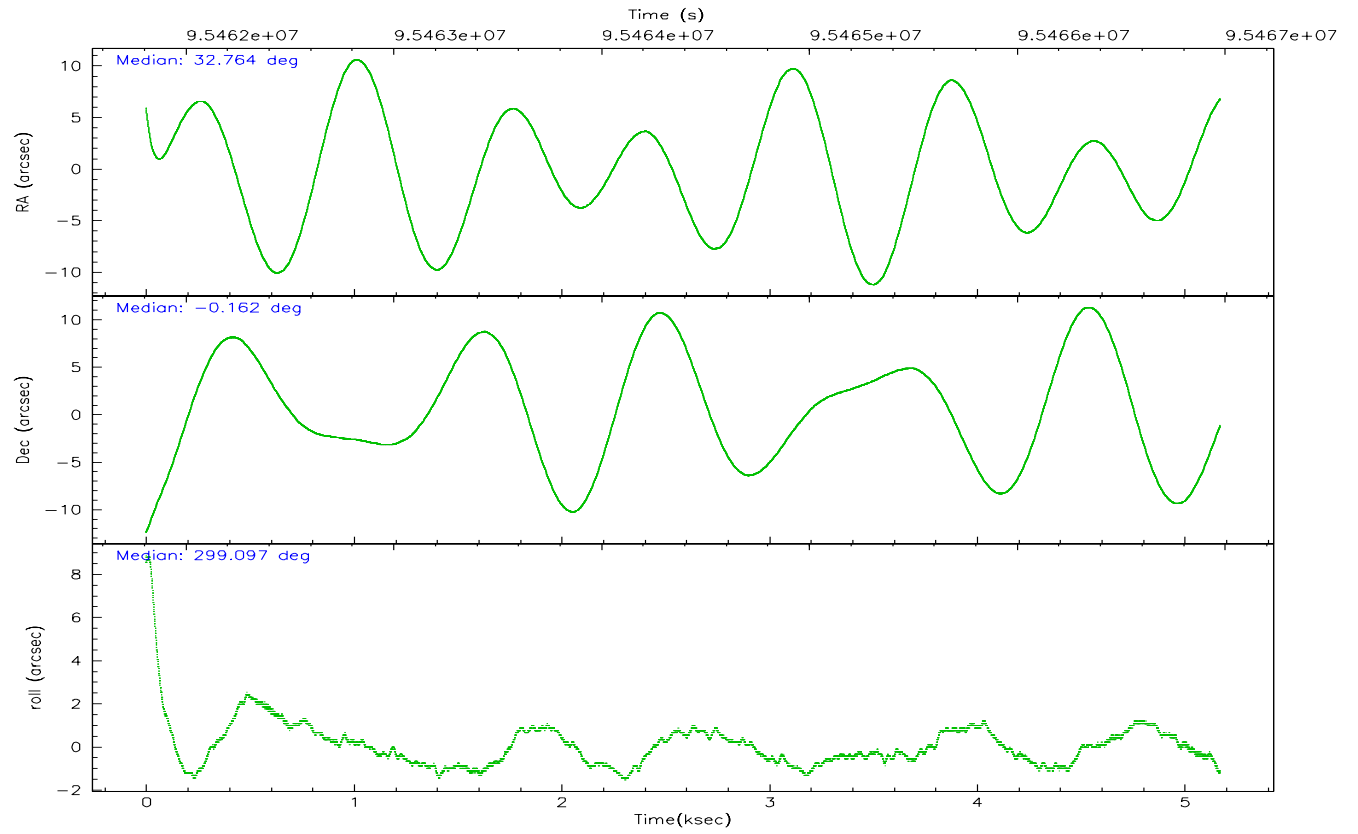
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1391	1451	2288	1293	924	2103
	4%	5%	5%	4%	2%	5%
grade 1 events	10	8	66	10	26	12
	0%	0%	0%	0%	0%	0%
grade 2 events	733	622	6073	723	3600	1577
	2%	2%	14%	2%	9%	4%
grade 3 events	325	325	459	341	816	774
	1%	1%	1%	1%	2%	2%
grade 4 events	306	307	419	302	773	736
	1%	1%	0%	1%	2%	2%
grade 5 events	950	1054	2069	1237	2507	1567
	3%	3%	4%	4%	6%	4%
grade 6 events	561	656	10480	652	8612	1808
	1%	2%	24%	2%	22%	5%
grade 7 events	24533	24104	21135	24669	20483	27132
	85%	84%	49%	84%	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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	32.740850	32.76446141190495	Subarray requested	NONE	NONE
Pointing Dec	-0.148338	-0.1622267919695358	Alternating exposures requested	N	N
Pointing Roll	298.946433	299.1031633060129	Primary exposure time	0.000000	3.2
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	95461977.184000	95461012.605663			
Observation start date	2001-01-09T21:11:53	2001-01-09T20:56:52			
Observation end time	95466977.184000	95468186.06843799			
Observation end date	2001-01-09T22:35:13	2001-01-09T22:56:26			
Read mode	TIMED	TIMED			

## 2.3 Aspect





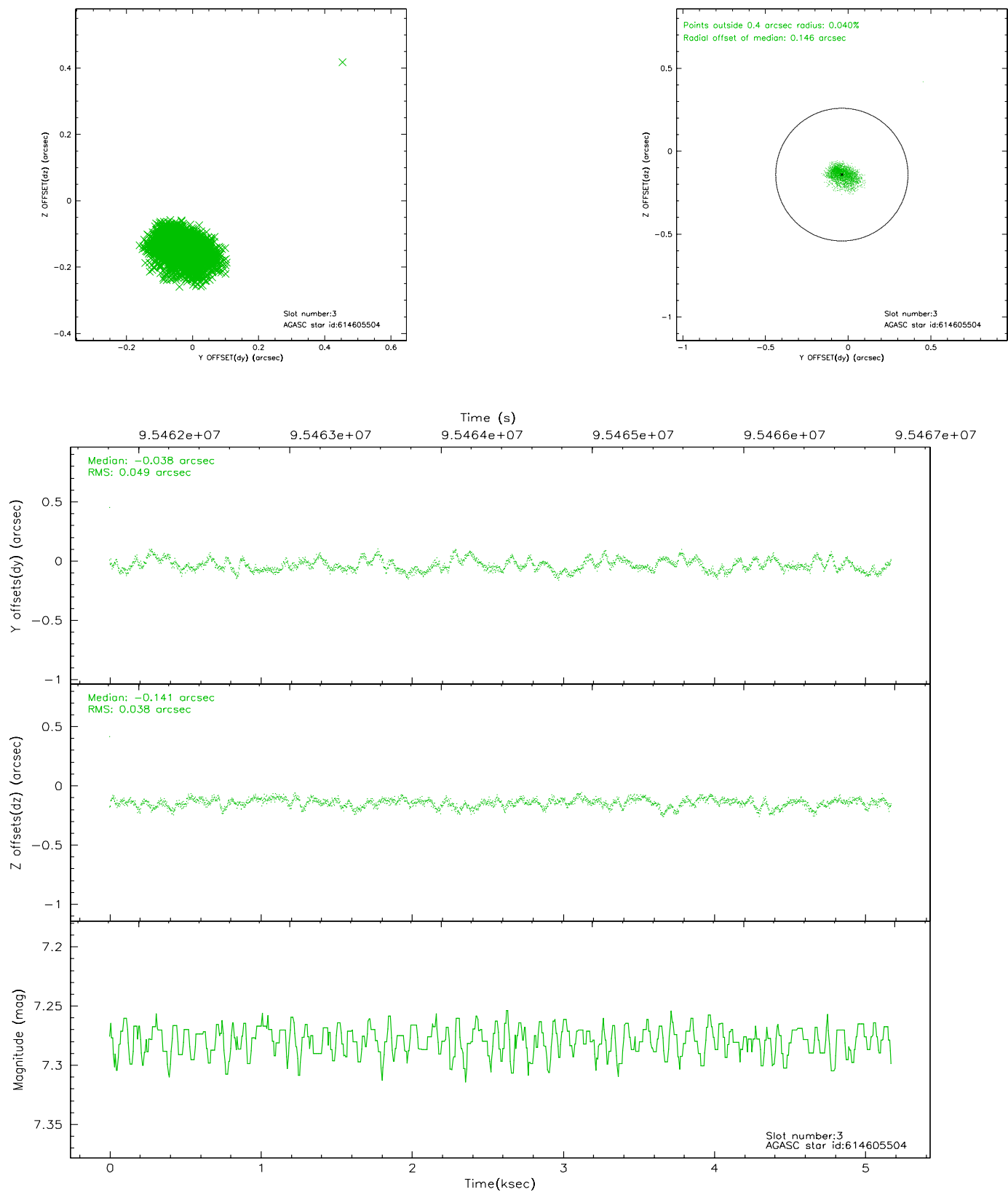
### Slot Statistics

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	1262	-0.031	0.019	0.006	0.010	0.000000	0.000000	-755.13	-1726.59
1	FID	ACIS-S-4	7.21	1262	-0.038	0.010	0.005	0.009	0.000000	0.000000	2157.57	180.73
2	FID	ACIS-S-5	7.24	1262	0.038	-0.020	0.006	0.009	0.000000	0.000000	-1806.43	175.63
3	GUIDE	614605504	7.28	2524	-0.038	-0.141	0.064	0.105	32.113697	-0.419301	-238.17	-2447.44
4	GUIDE	4984112	8.04	2524	-0.048	0.118	0.054	0.090	32.933733	0.223546	-835.08	1255.15
5	GUIDE	4981944	8.07	2524	-0.116	-0.077	0.048	0.078	32.552714	0.494378	-2352.37	527.86
6	GUIDE	614728296	8.49	2524	0.080	-0.004	0.052	0.085	32.601360	-0.092275	-419.76	-341.14
7	GUIDE	614728584	9.09	2522	0.127	0.106	0.097	0.158	33.386031	-0.018414	715.30	2259.40

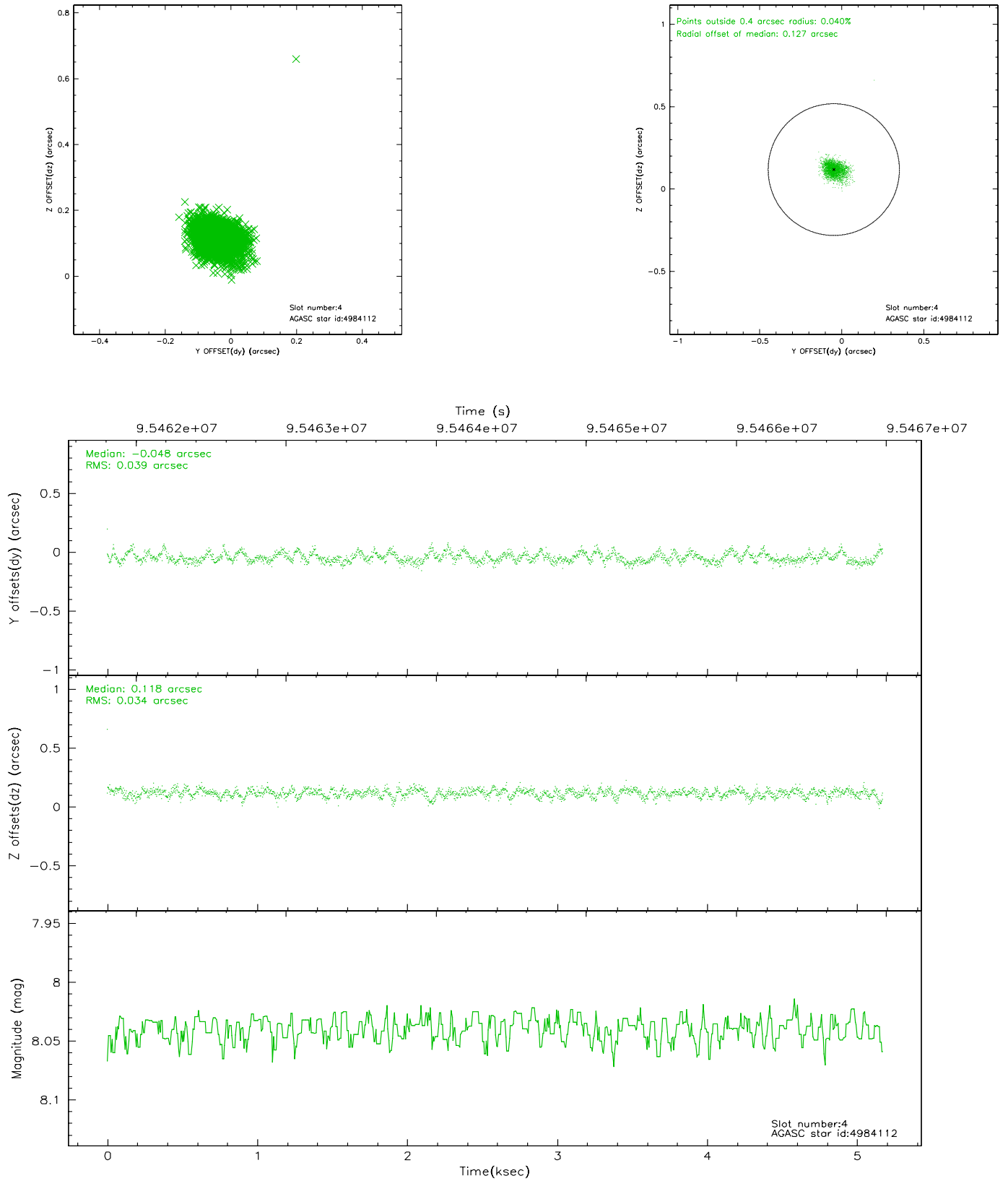


## 2.4 Star Slots

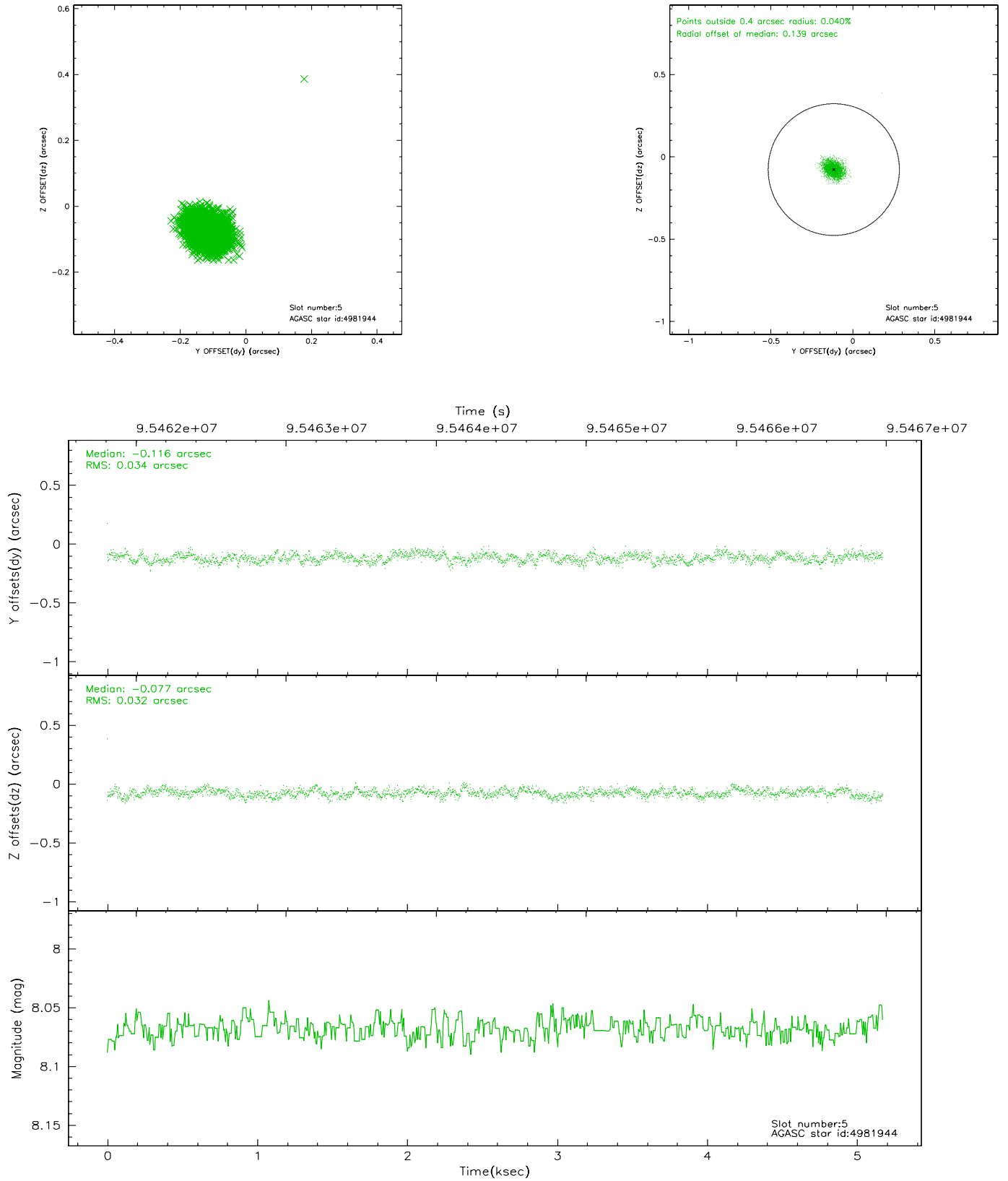
### 2.4.1 Slot 3



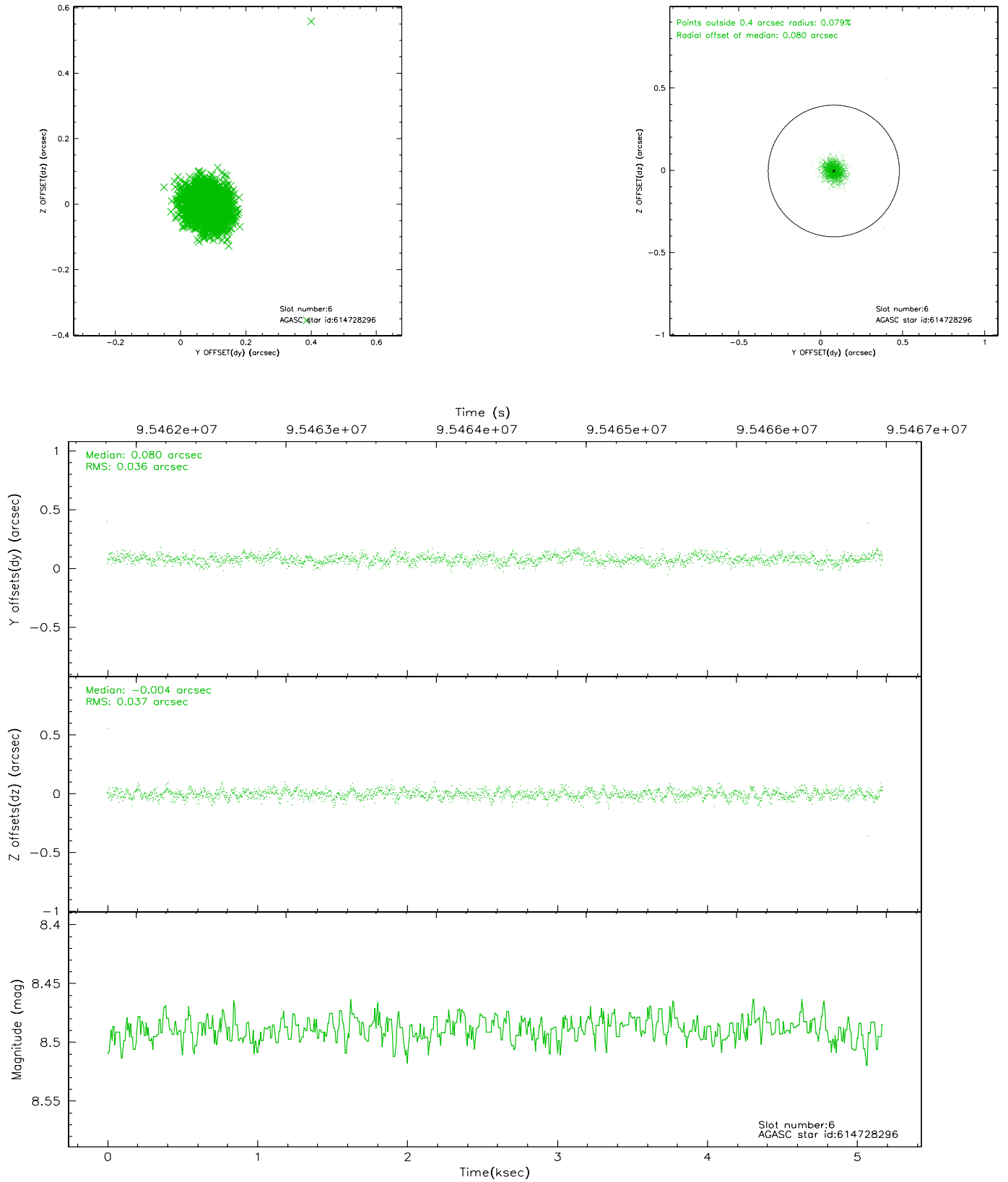
## 2.4.2 Slot 4



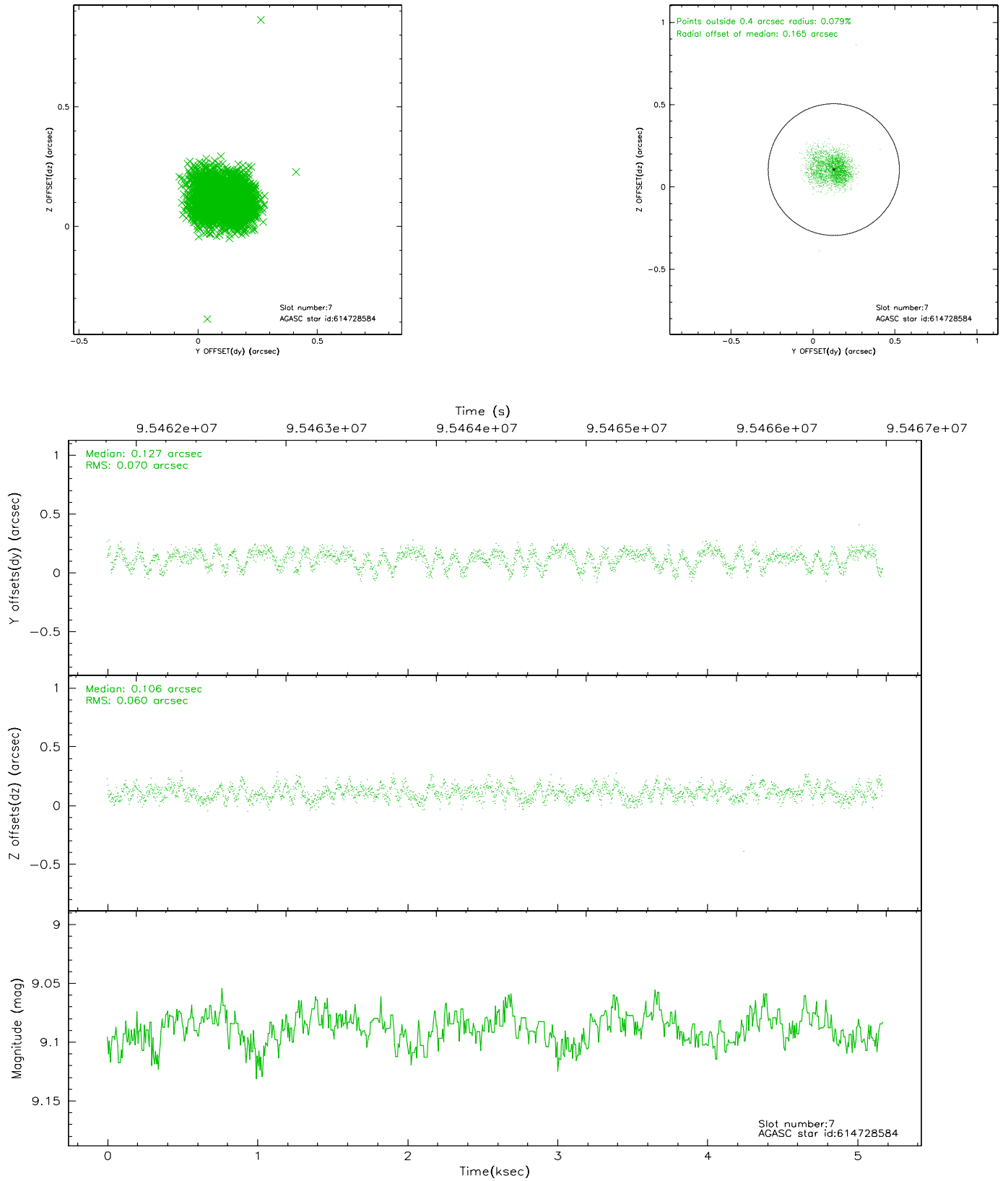
### 2.4.3 Slot 5



## 2.4.4 Slot 6

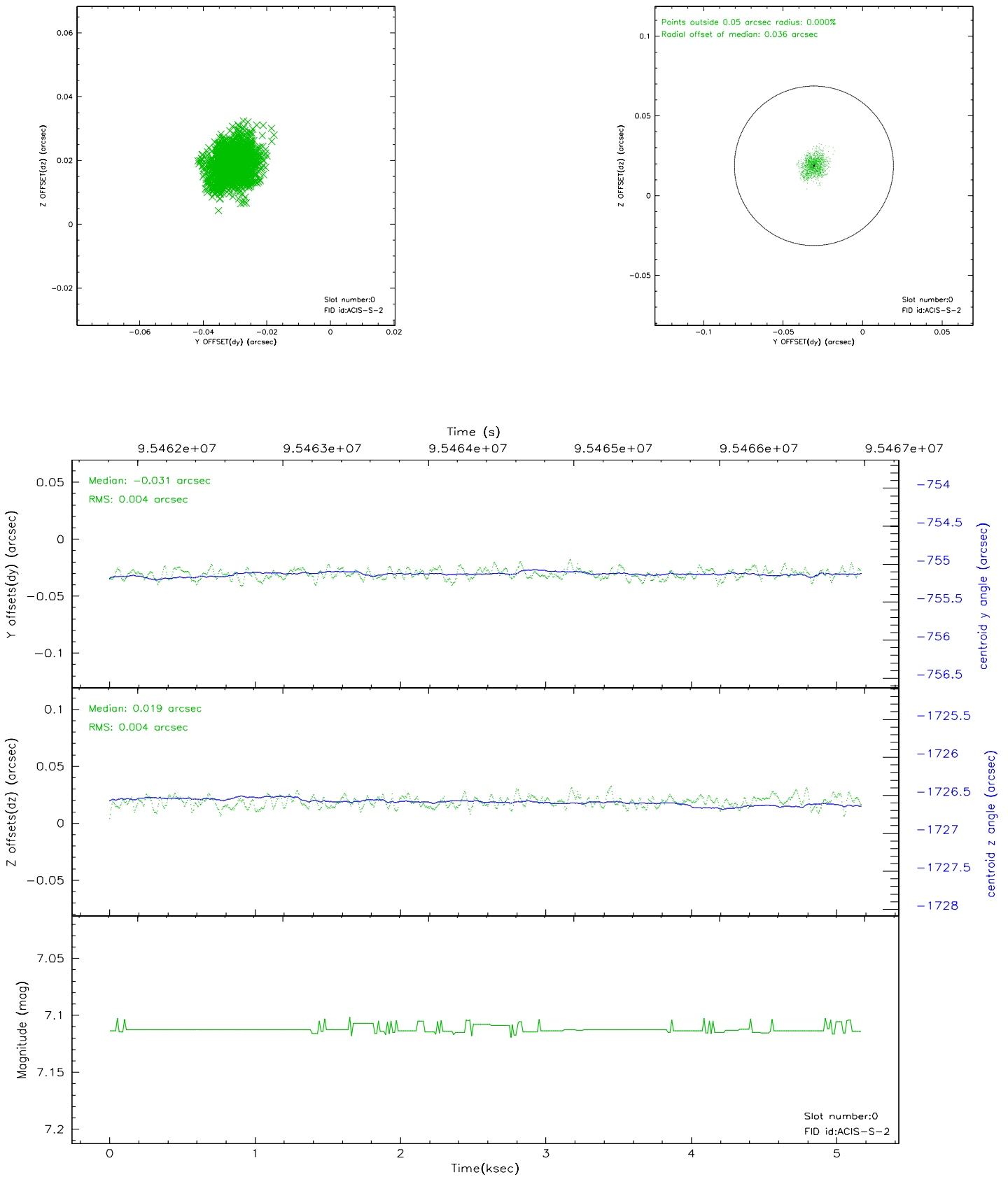


## 2.4.5 Slot 7

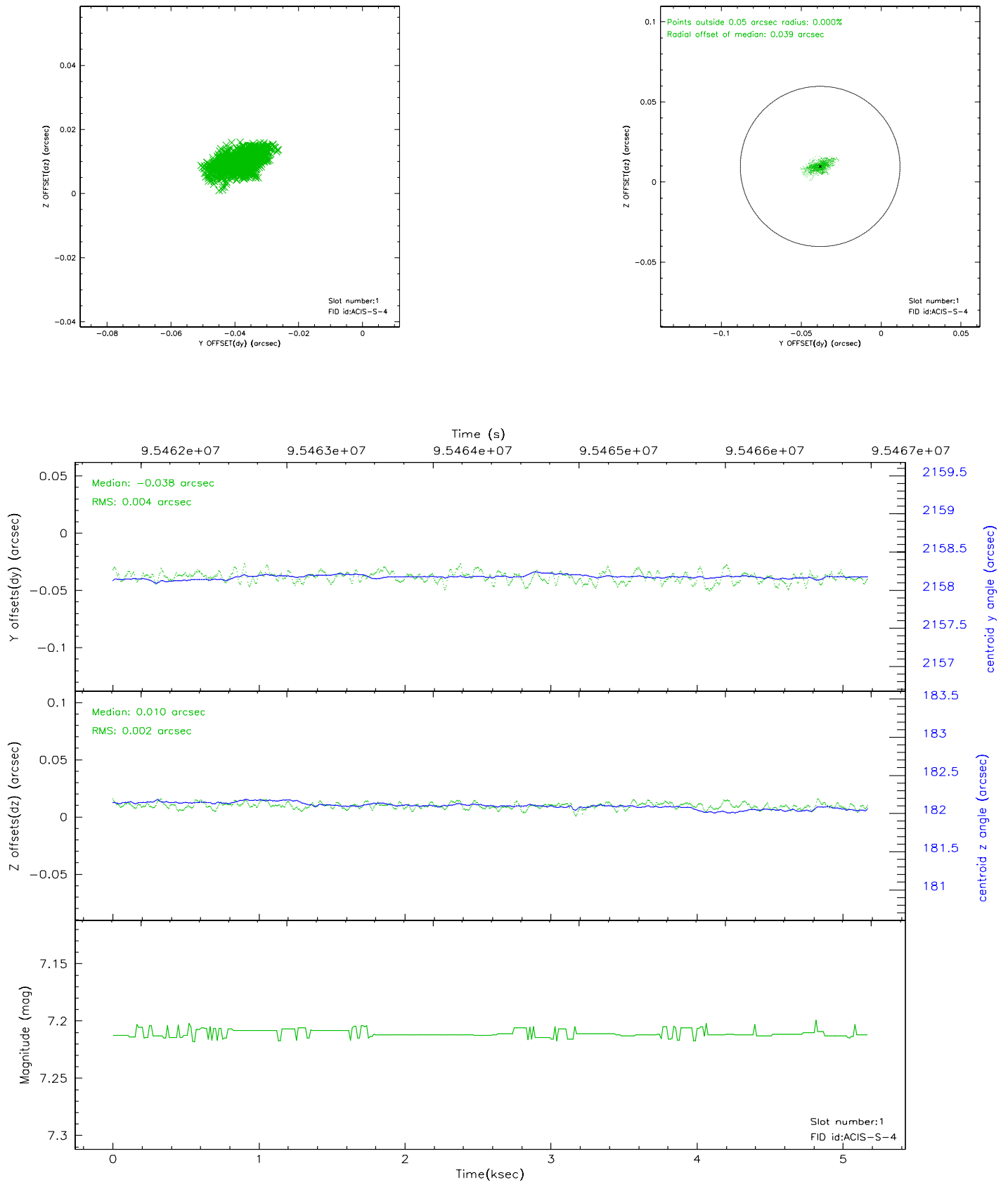


## 2.5 FID Slots

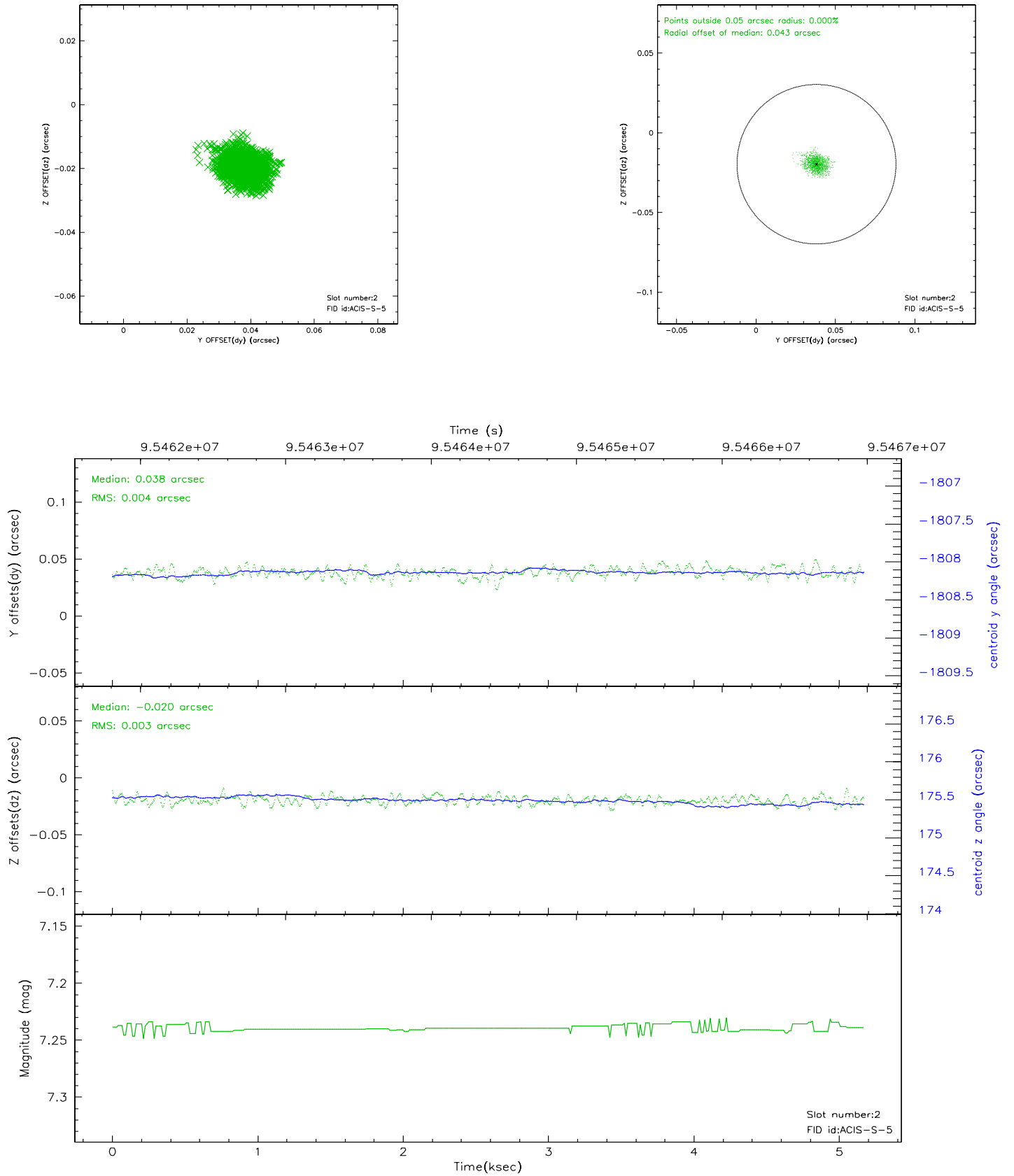
### 2.5.1 Slot 0



## 2.5.2 Slot 1

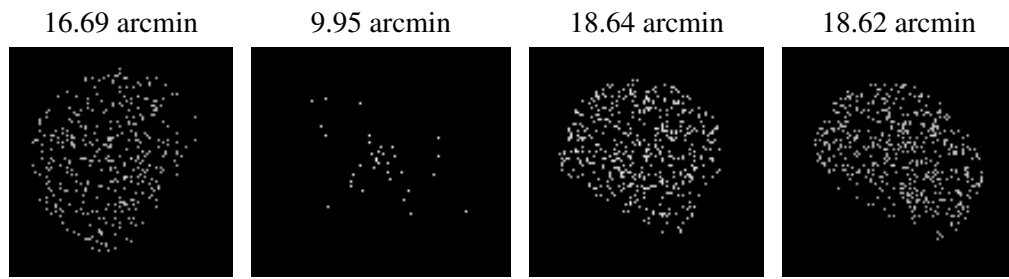


### 2.5.3 Slot 2





### 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	4.95

### A.2 Comments