

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.1

Observation 5619 - L2 Version 002  
Chandra X-Ray Center

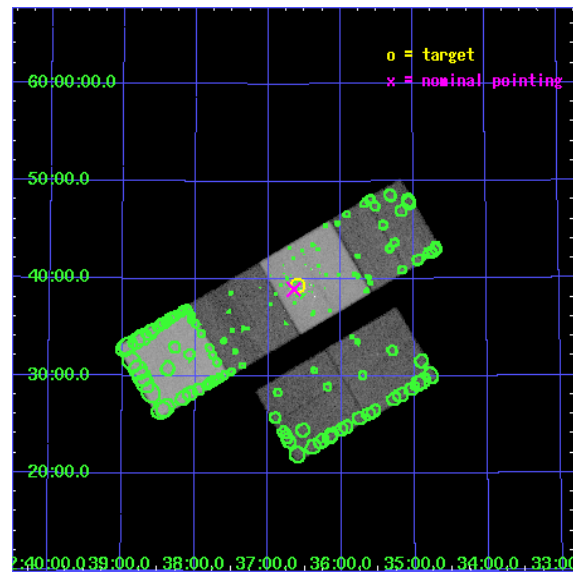
L2 Processing Date : Mar 18 2006

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# 1 Front

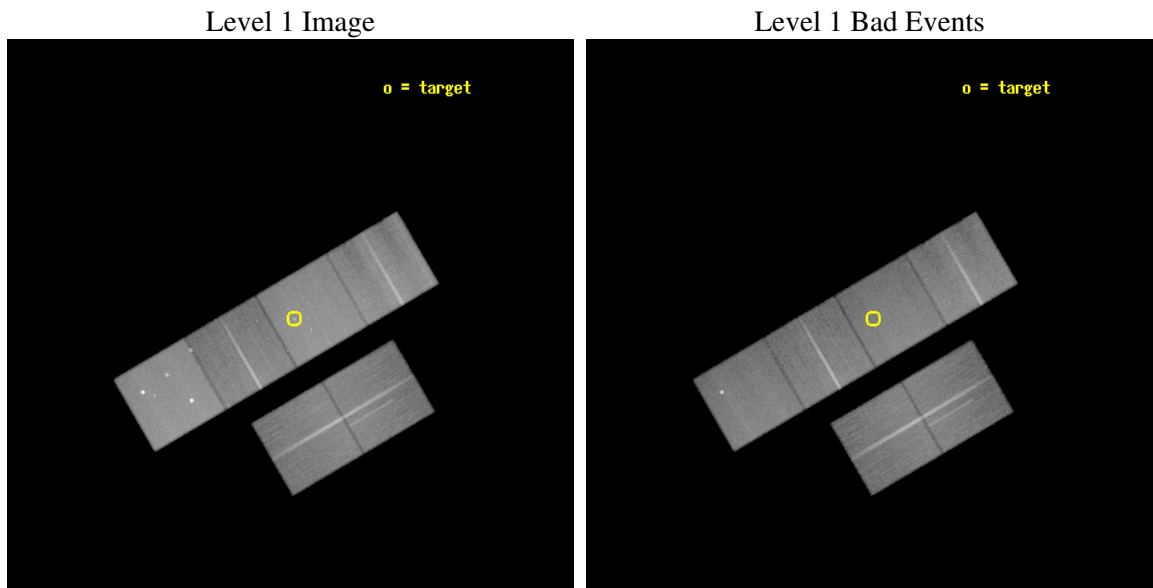
seq_num	701042
obs_id	5619
title	The quiescent nucleus and X-ray source population of the nearest giant elliptical galaxy
observer	Prof. Christopher Reynolds
object	Maffei 1
dtcycle	0
cycle	P
ra_targ	39.1475
dec_targ	59.655278
ra_nom	39.162039560904
dec_nom	59.649024304111
roll_nom	329.66909688662
revision	2
ontime	55750.399792314
livetime	55044.454661283
ontime2	55747.158851951
ontime3	55747.15882203
ontime5	55750.399792314
ontime6	55750.399792314
ontime7	55750.399792314
ontime8	55737.436050683
l2events	652520



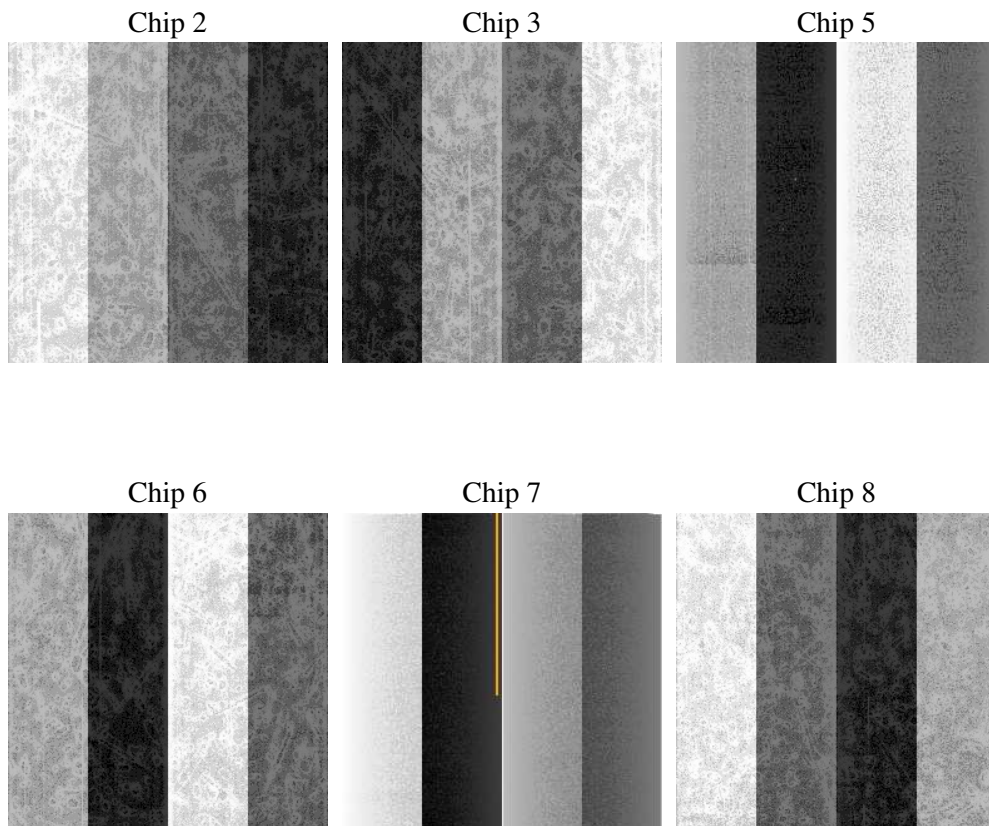
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-03-18T02:27:25
revision	2

sched_exp_time	56000.000000
ontime	55758.173633367
ontime2	55754.932693005
ontime3	55754.932663083
ontime5	55758.173633367
ontime6	55758.173633367
ontime7	55758.173633367
ontime8	55745.209762216
l1events	2973970

### 2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	416424	398903	639979	420249	572251	526164
rejected events	367315	350603	352312	369112	350065	411171
rejected %	88%	87%	55%	87%	61%	78%

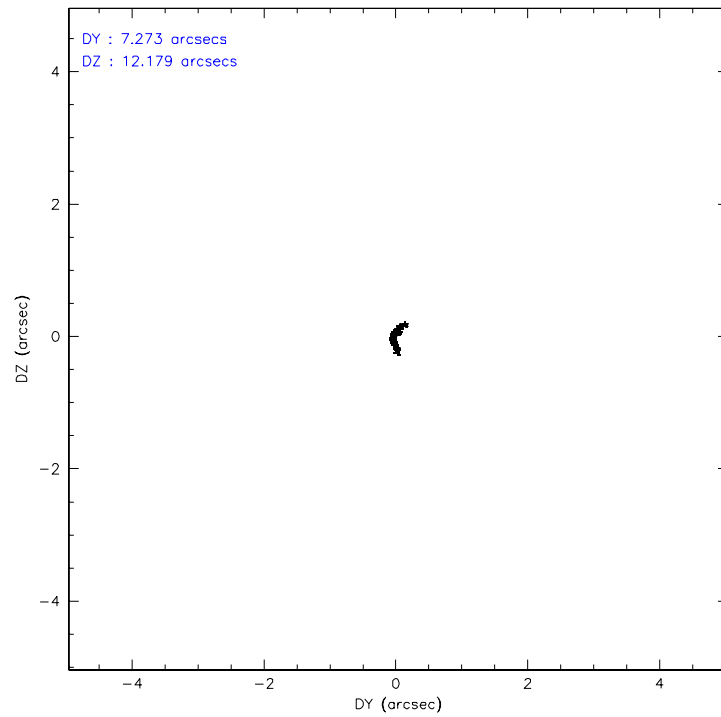
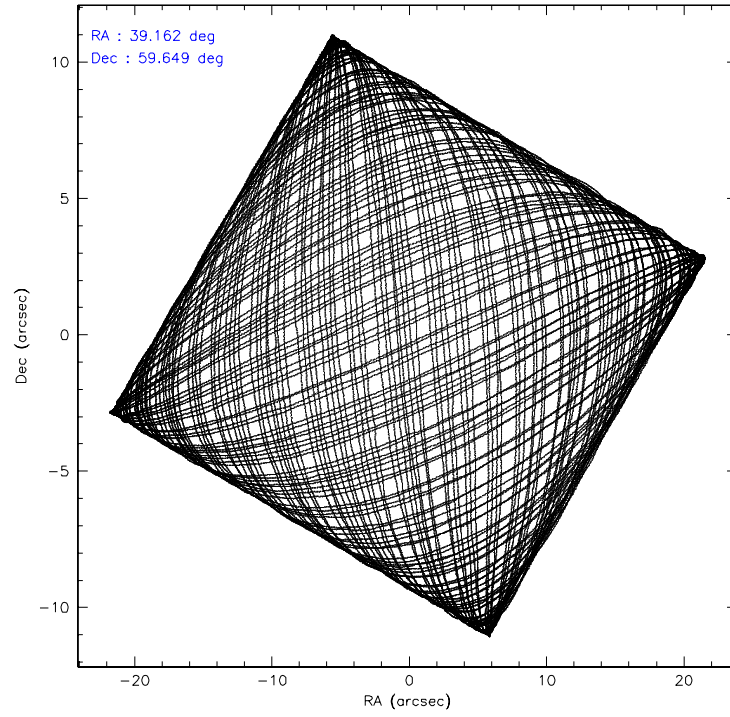
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	21652	20757	29098	20864	12987	35491
	5%	5%	4%	4%	2%	6%
grade 1 events	252	243	545	227	363	404
	0%	0%	0%	0%	0%	0%
grade 2 events	10163	9413	90123	10673	55566	25657
	2%	2%	14%	2%	9%	4%
grade 3 events	4629	4843	5946	4834	11306	12131
	1%	1%	0%	1%	1%	2%
grade 4 events	4559	4864	5524	4780	11194	11195
	1%	1%	0%	1%	1%	2%
grade 5 events	16933	18383	31920	18967	37315	25357
	4%	4%	4%	4%	6%	4%
grade 6 events	8111	8432	157002	9994	131157	30553
	1%	2%	24%	2%	22%	5%
grade 7 events	350125	331968	319821	349910	312363	385376
	84%	83%	49%	83%	54%	73%

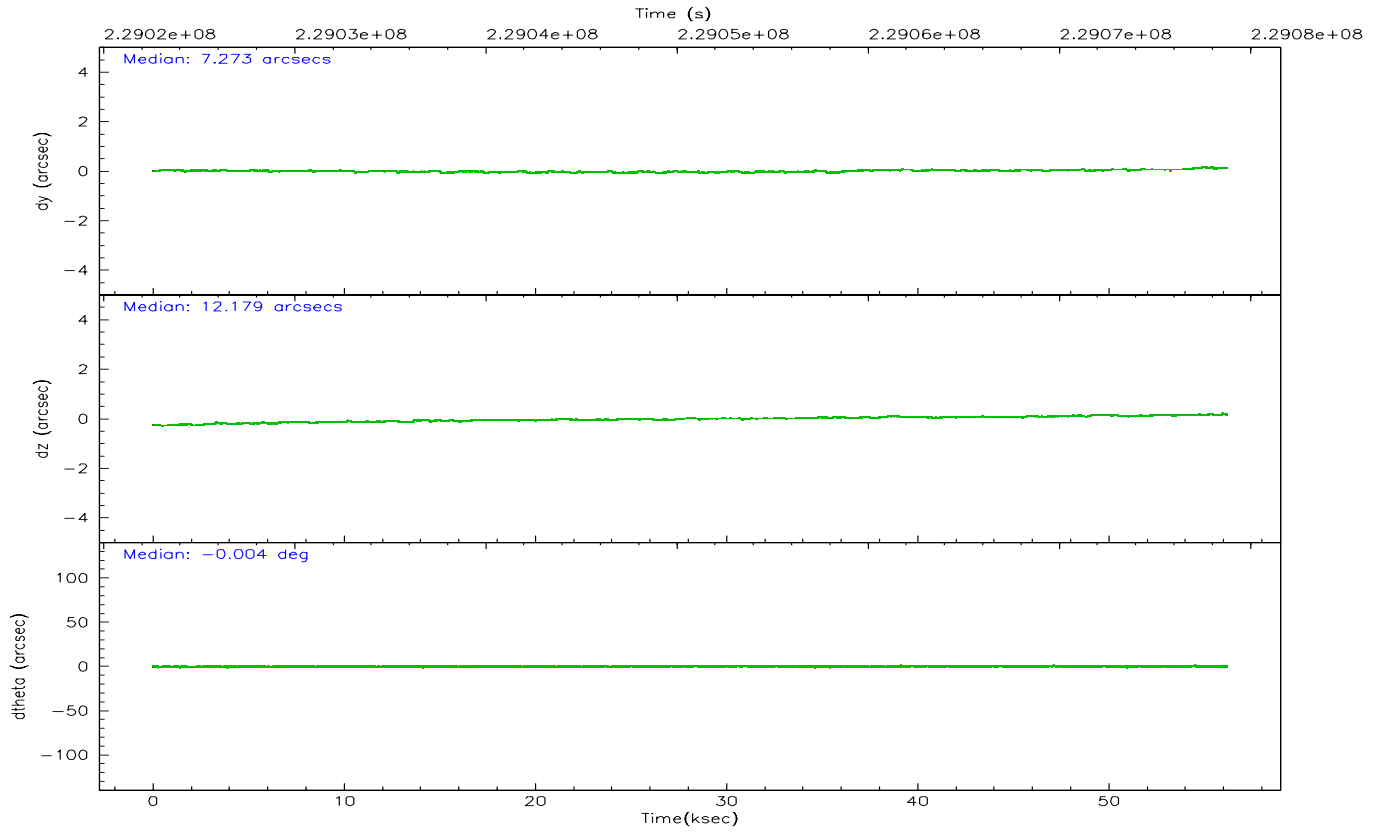
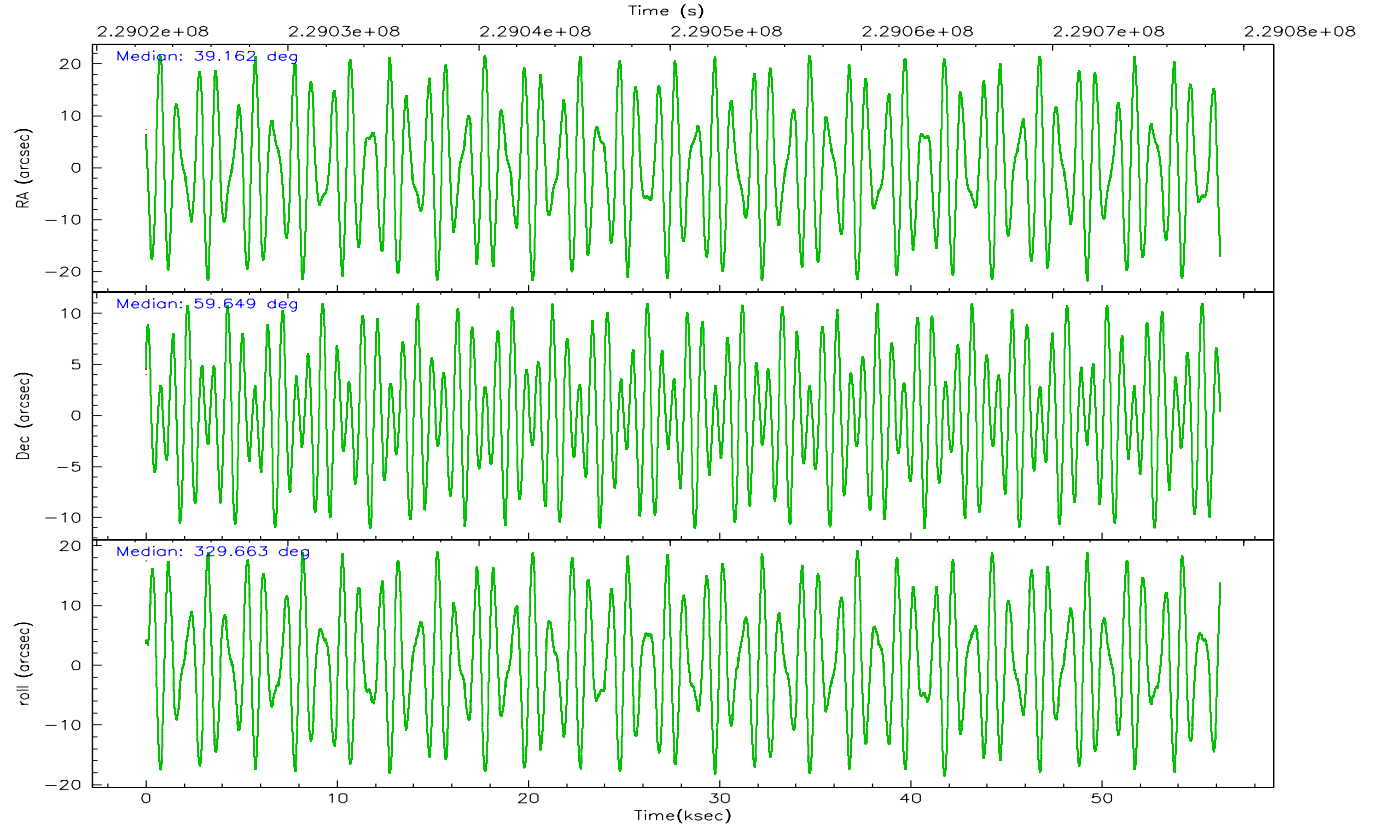


## 2.2 Compared Parameters

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	39.108179	39.16203956090381	Alternating exposures requested	N	N
Pointing Dec	59.648792	59.64902430411089	Primary exposure time	0.000000	3.2
Pointing Roll	329.558954	329.669096886615			
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	229022779.184000	229021816.15335			
Observation start date	2005-04-04T17:25:15	2005-04-04T17:10:16			
Observation end time	229078779.184000	229079897.78099			
Observation end date	2005-04-05T08:58:35	2005-04-05T09:18:17			
Read mode	TIMED	TIMED			

## 2.3 Aspect



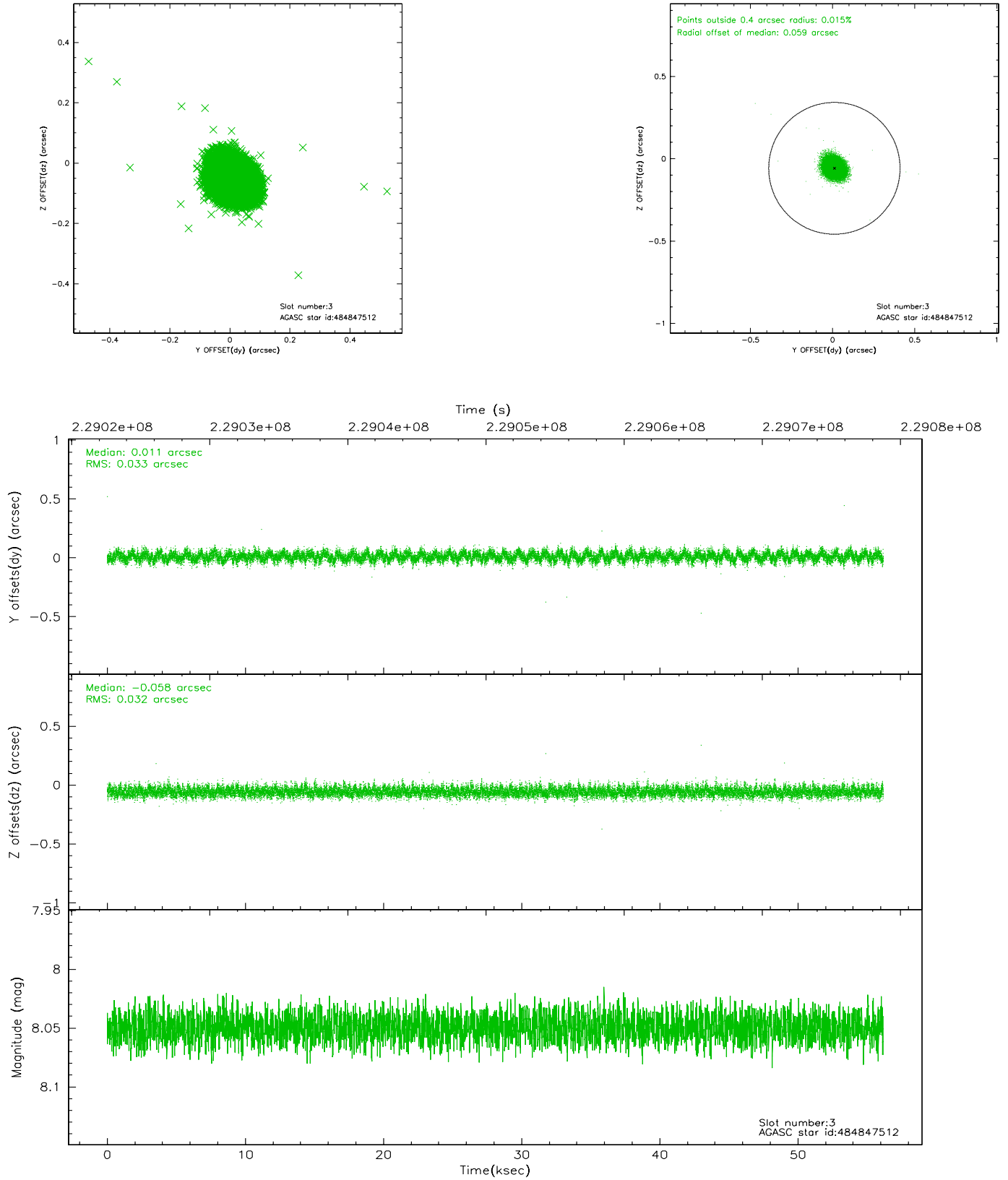


### Slot Statistics

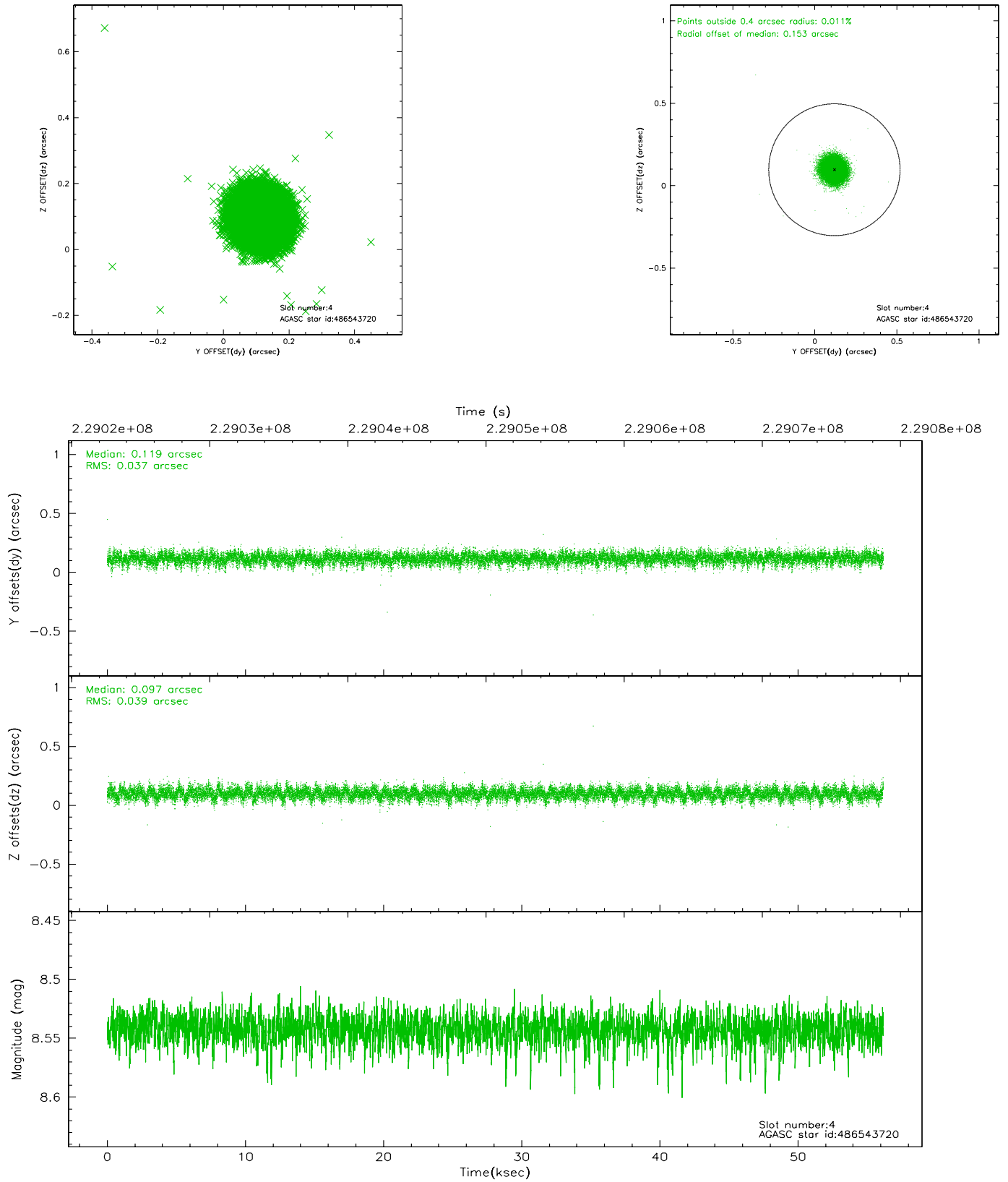
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	13703	-0.013	0.007	0.006	0.010	0.000000	0.000000	-760.05	-1733.47
1	FID	ACIS-S-4	7.20	13704	0.028	0.001	0.006	0.010	0.000000	0.000000	2153.28	175.05
2	FID	ACIS-S-6	7.34	13704	-0.043	-0.001	0.007	0.012	0.000000	0.000000	401.86	812.40
3	GUIDE	484847512	8.05	27408	0.011	-0.058	0.048	0.077	39.067323	59.168888	810.66	-1527.43
4	GUIDE	486543720	8.54	27401	0.119	0.097	0.057	0.092	40.326251	59.714594	1776.33	1342.57
5	GUIDE	530319224	8.04	27405	-0.085	0.080	0.061	0.101	38.417784	60.290735	-2236.06	1373.98
6	GUIDE	530450832	7.15	27402	-0.046	0.023	0.057	0.089	39.358868	60.088437	-414.49	1593.53
7	GUIDE	484848536	8.54	27400	0.000	-0.142	0.075	0.118	38.499242	59.182256	-119.57	-2012.46

## 2.4 Star Slots

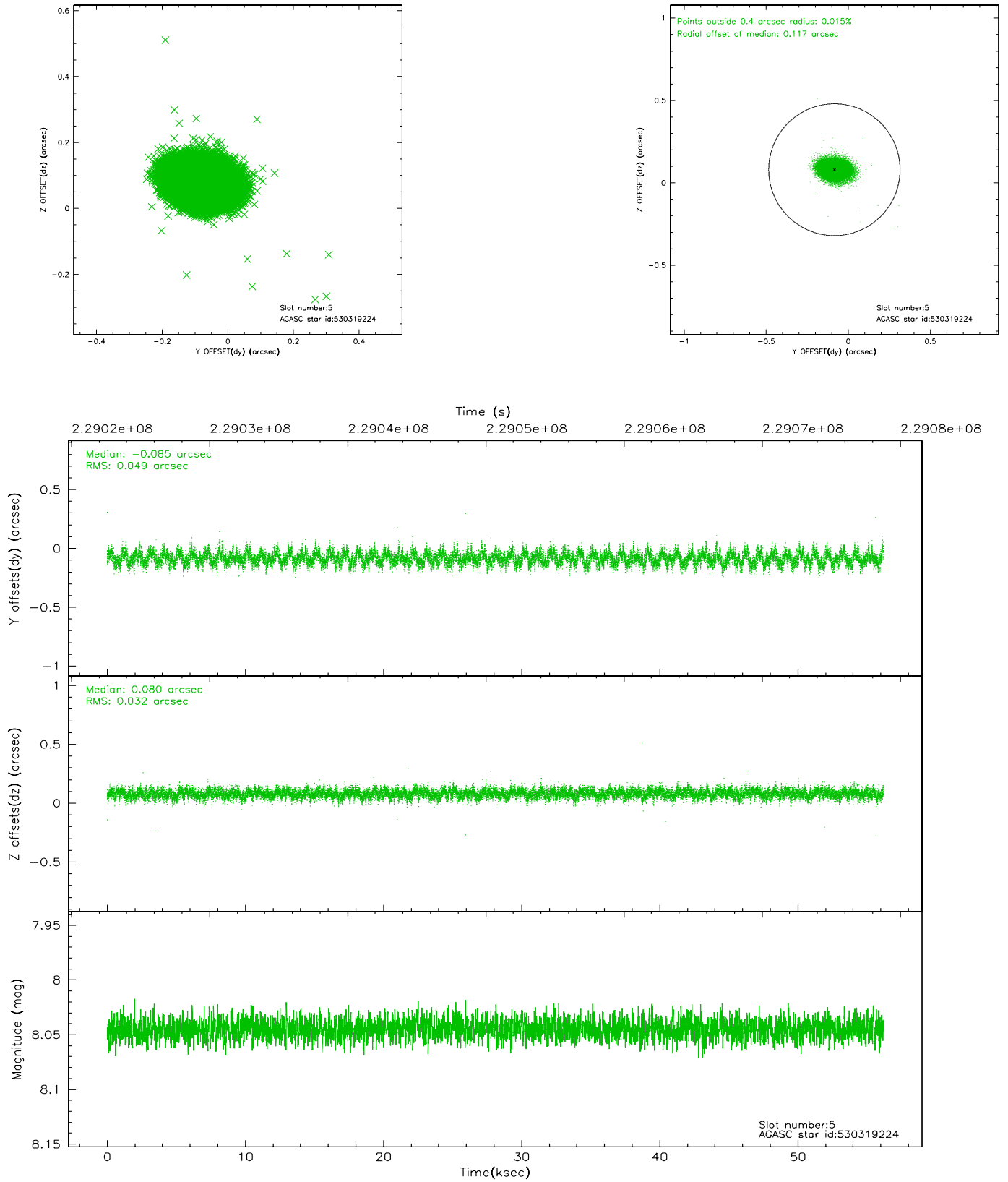
### 2.4.1 Slot 3



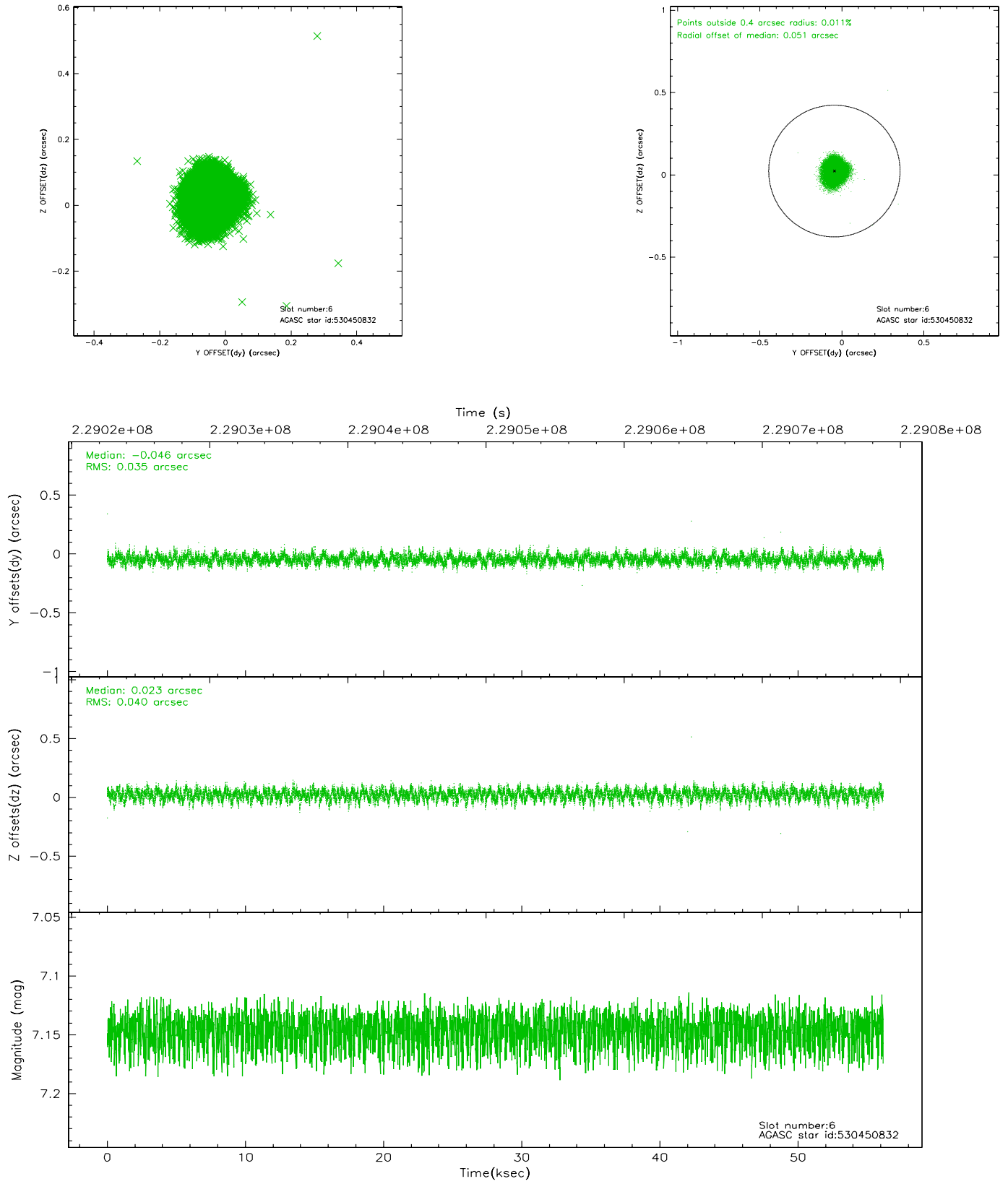
## 2.4.2 Slot 4



### 2.4.3 Slot 5

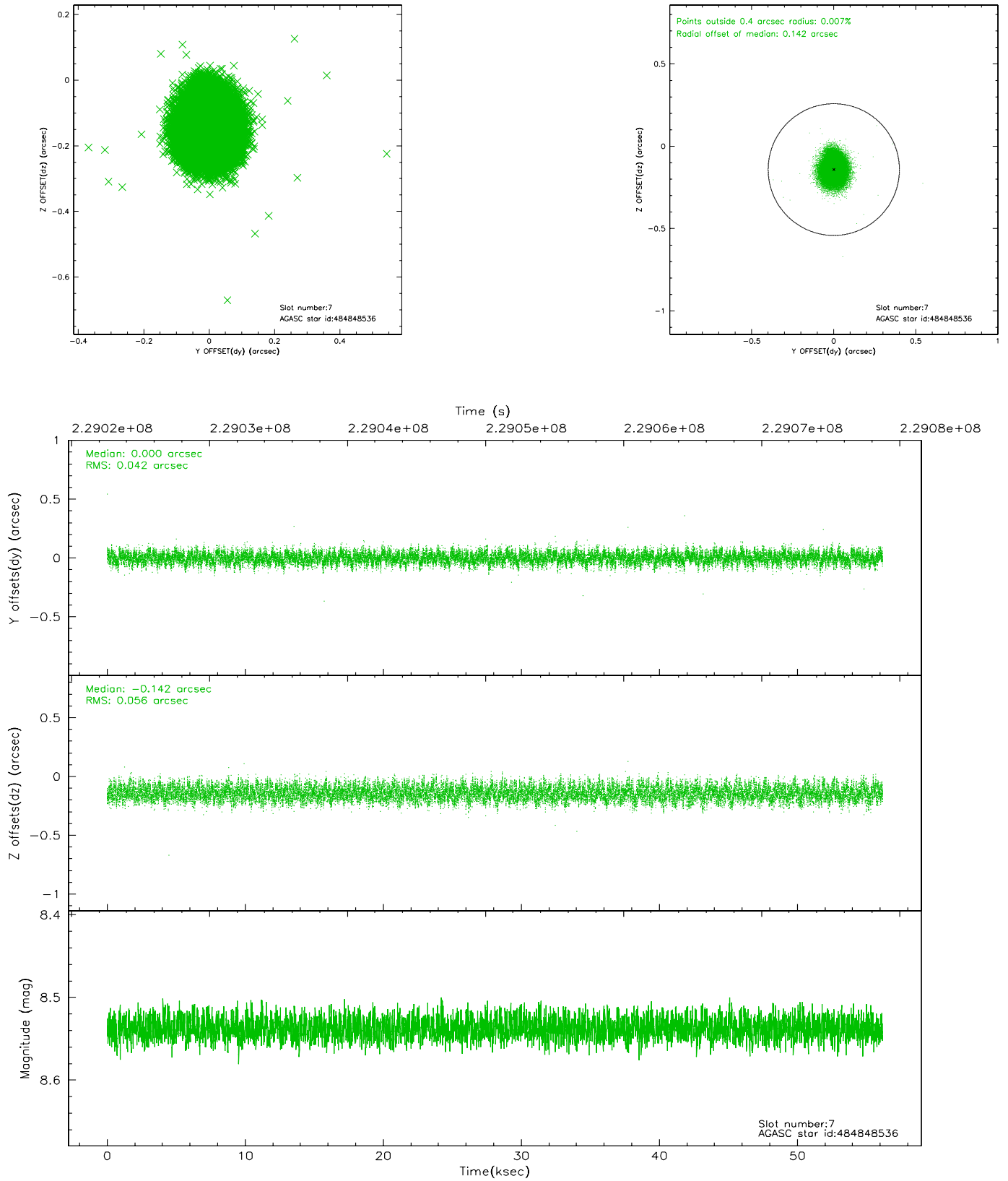


## 2.4.4 Slot 6



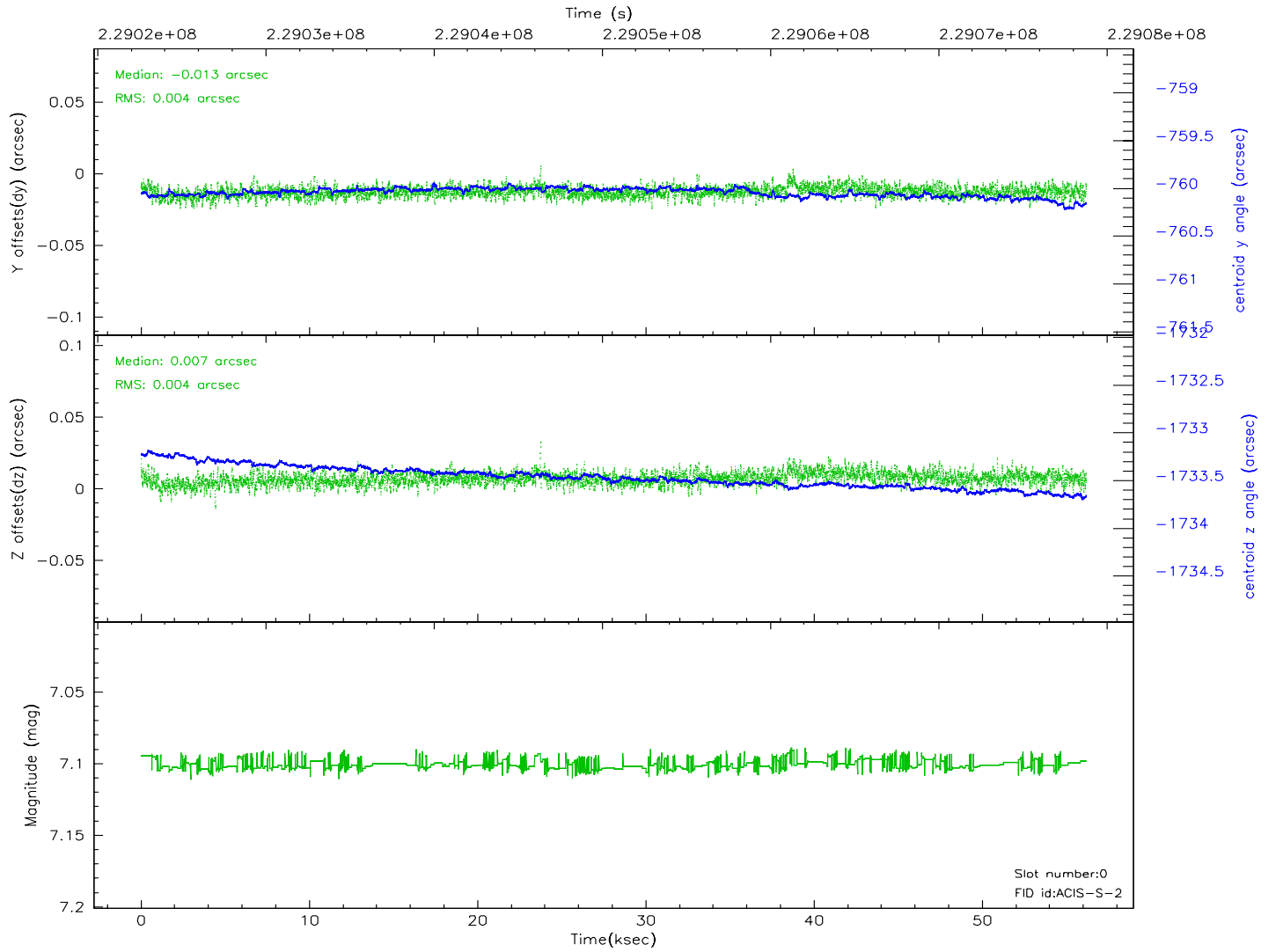
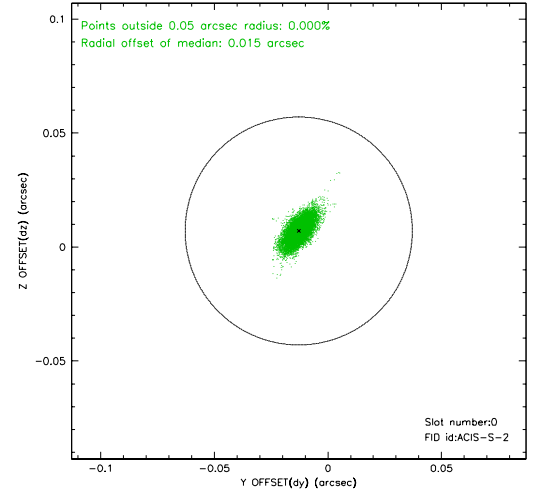
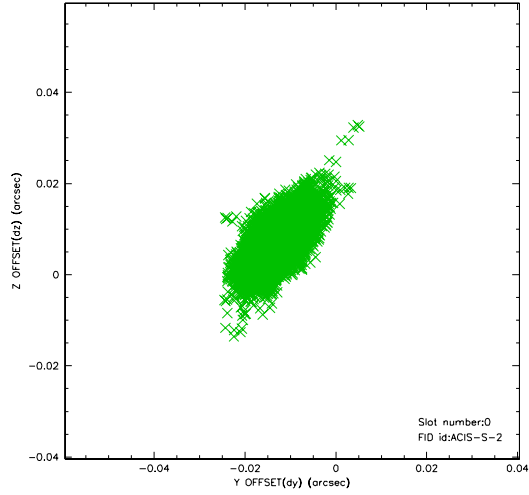


## 2.4.5 Slot 7

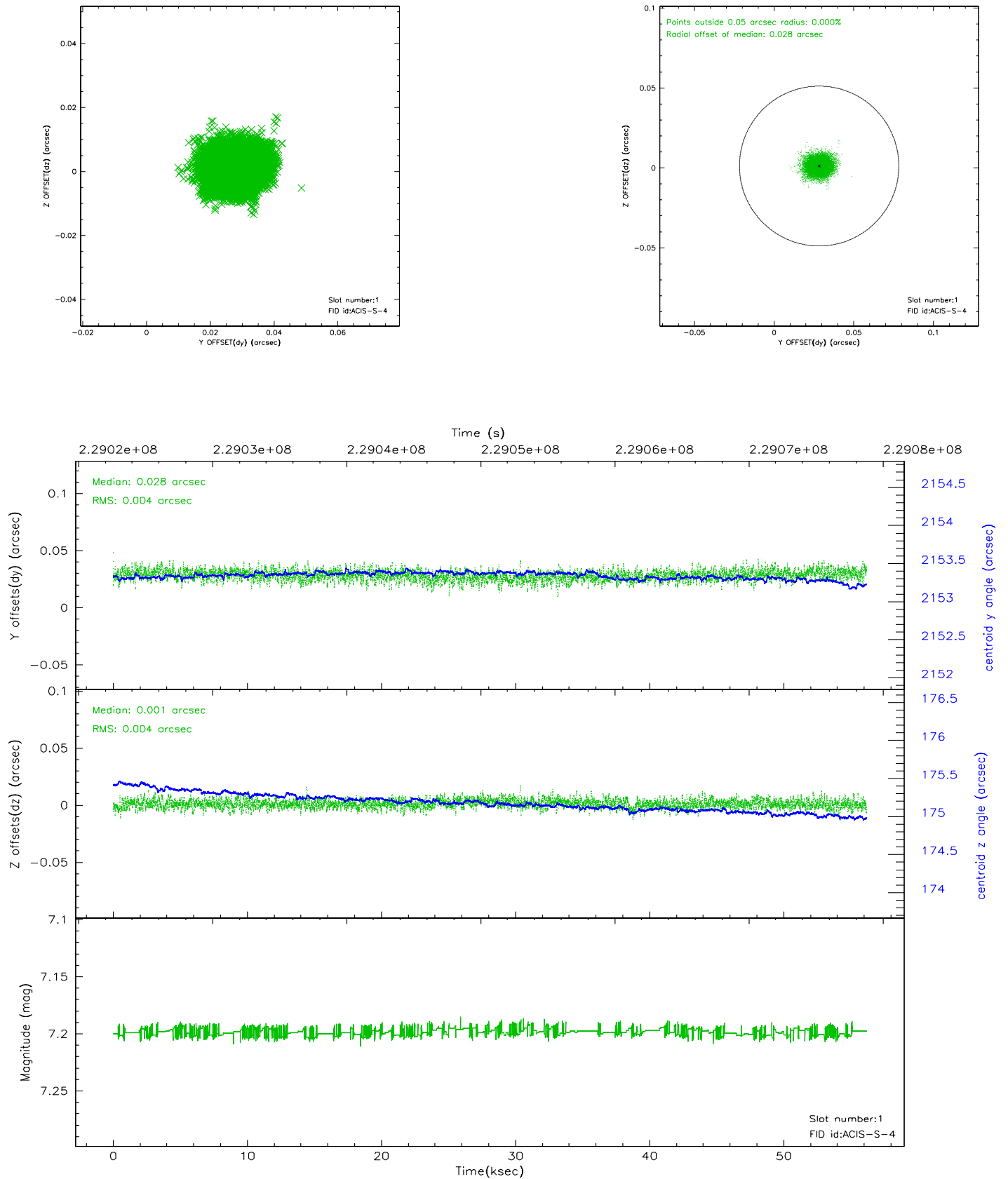


## 2.5 FID Slots

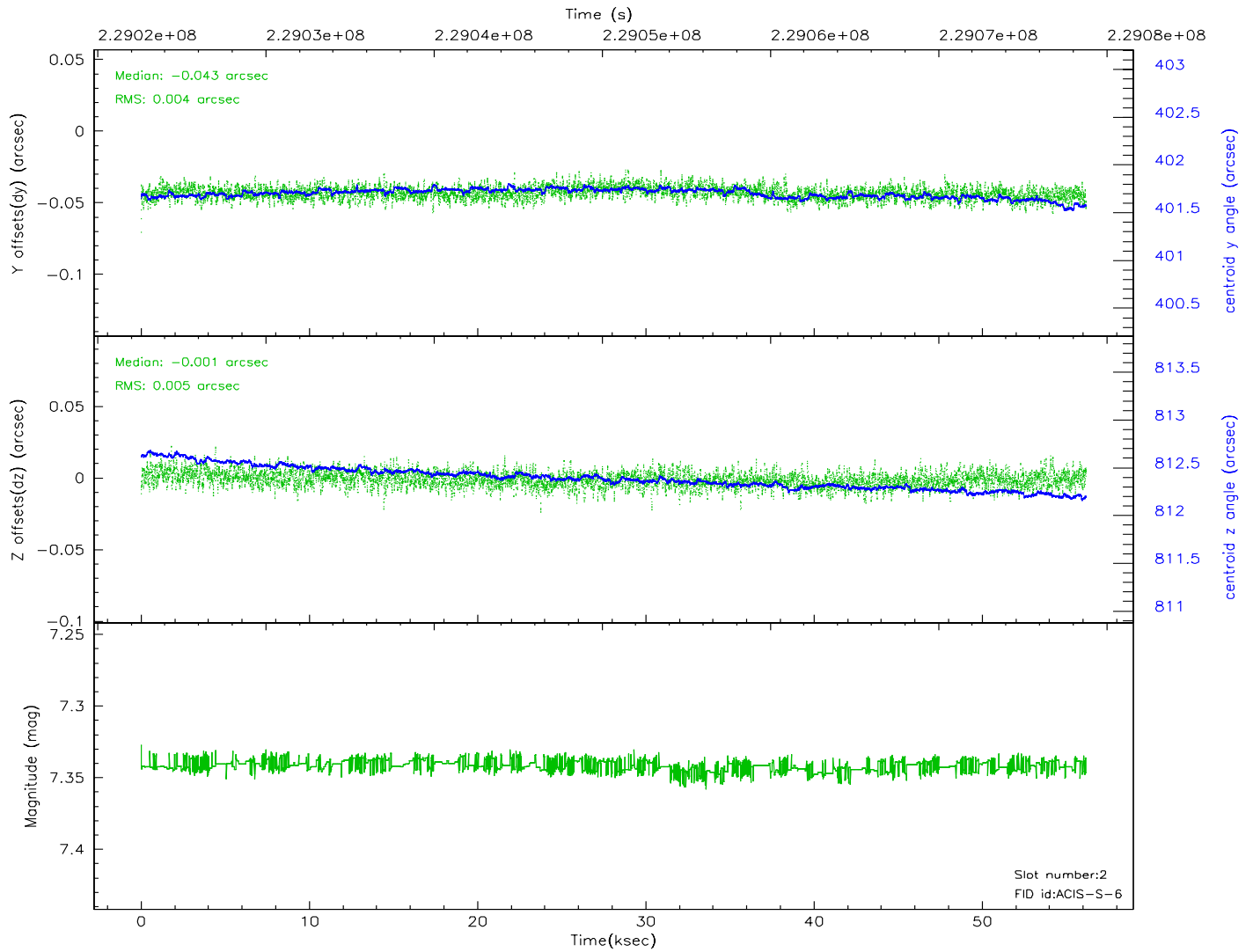
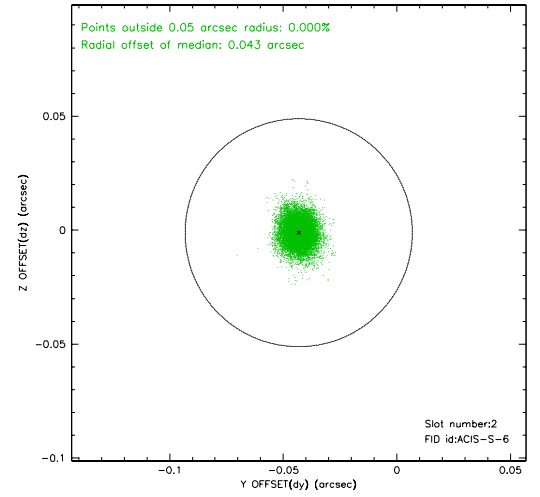
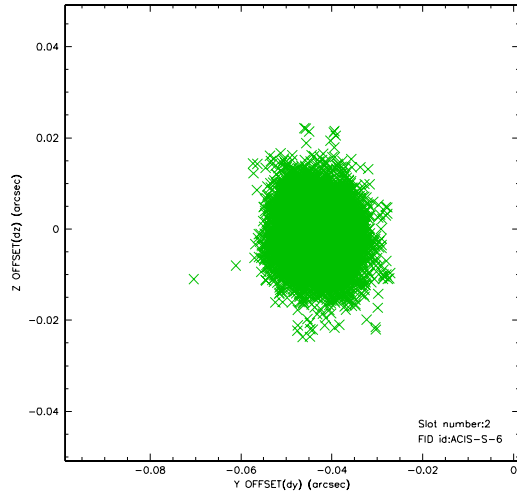
### 2.5.1 Slot 0



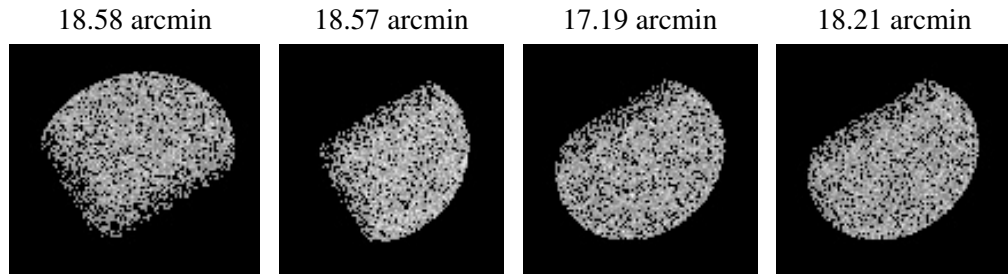
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	55.75039

### A.2 Comments