

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2459 - L2 Version 001  
Chandra X-Ray Center

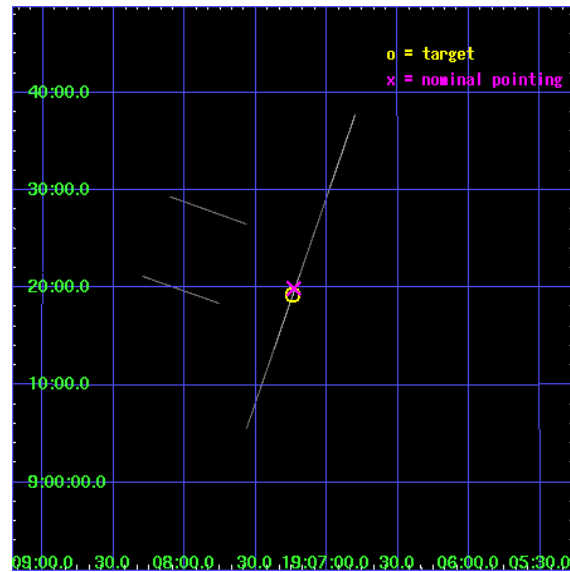
L2 Processing Date : Nov 29 2006

## Contents

<b>1</b>	<b>Front</b>	<b>2</b>
<b>2</b>	<b>OBI</b>	<b>3</b>
2.1	OBI . . . . .	3
2.1.1	Images . . . . .	3
2.1.2	Bias . . . . .	3
2.1.3	Parameters . . . . .	4
2.1.4	Events . . . . .	4
2.2	Compared Parameters . . . . .	5
2.3	Aspect . . . . .	6
2.4	Star Slots . . . . .	9
2.4.1	Slot 3 . . . . .	9
2.4.2	Slot 4 . . . . .	10
2.4.3	Slot 5 . . . . .	11
2.4.4	Slot 6 . . . . .	12
2.4.5	Slot 7 . . . . .	13
2.5	FID Slots . . . . .	14
2.5.1	Slot 0 . . . . .	14
2.5.2	Slot 1 . . . . .	15
2.5.3	Slot 2 . . . . .	16
<b>A</b>	<b>Summary</b>	<b>17</b>
A.1	Status . . . . .	17
A.2	Comments . . . . .	17

# 1 Front

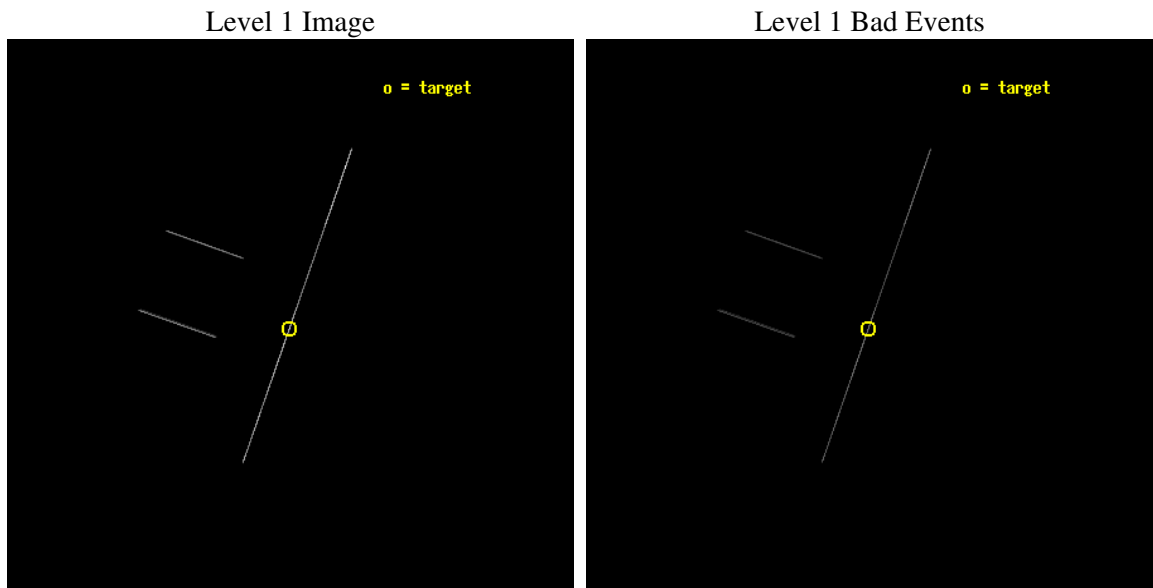
seq_num	500200
obs_id	2459
title	TOO OBSERVATIONS OF SGR 1900+14 IN AN ACTIVE STATE
observer	Dr Chryssa Kouveliotou
object	SGR 1900 + 14
ra_targ	286.809583
dec_targ	9.32225
ra_nom	286.80801027364
dec_nom	9.3319179331474
roll_nom	109.3245629225
revision	3
ontime	18892.25
livetime	18818.452148438
ontime2	18892.25
ontime3	18892.25
ontime5	18892.25
ontime6	18892.25
ontime7	18892.25
ontime8	18892.25
l2events	204138



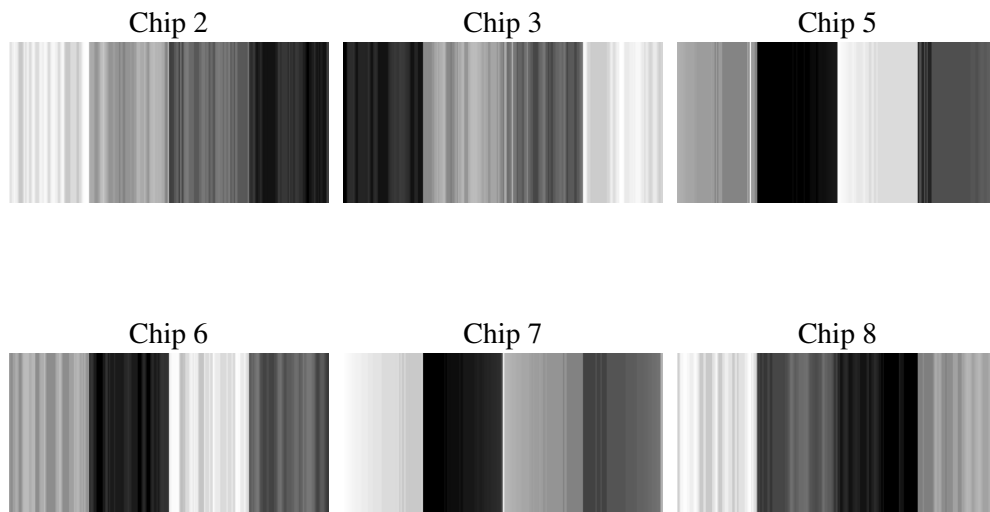
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	1
ascdsver	7.6.9
caldsver	3.2.4
date	2006-11-29T12:40:20
revision	3

sched_exp_time	18766.114000
ontime	20040.368721589
ontime2	20040.406761929
ontime3	20040.388763994
ontime5	20040.369249105
ontime6	20040.368984058
ontime7	20040.368721589
ontime8	20040.368458018
l1events	316896

### 2.1.4 Events

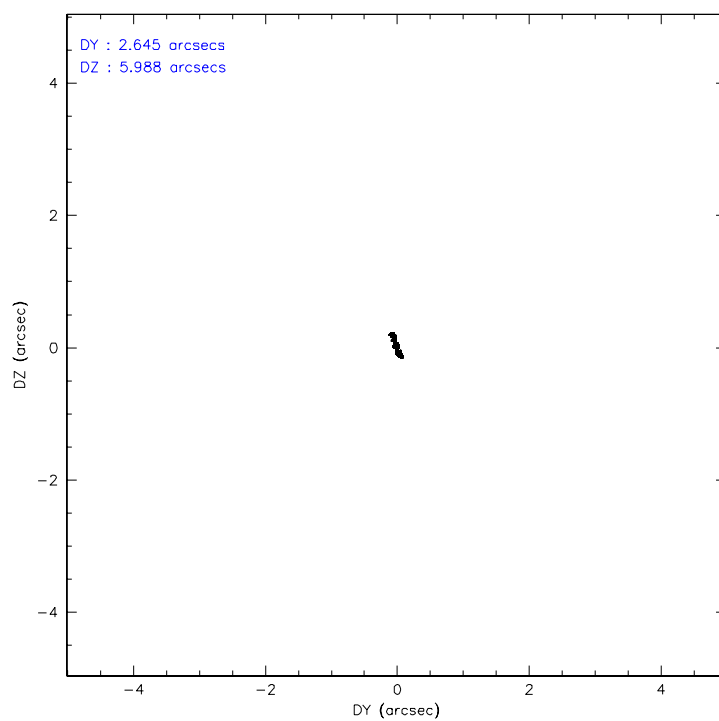
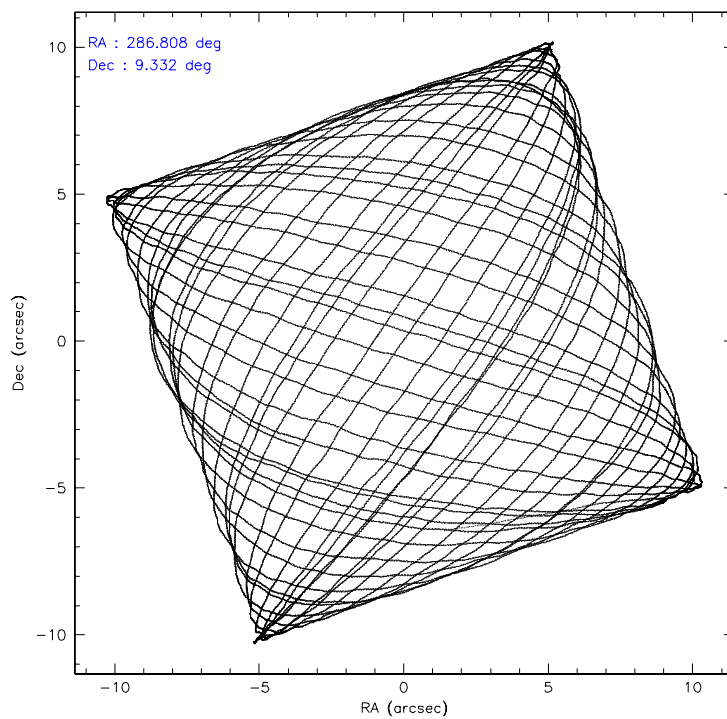
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	23782	25879	107690	25562	84555	49428
rejected events	5083	5675	14654	5799	14808	9080
rejected %	21%	21%	13%	22%	17%	18%

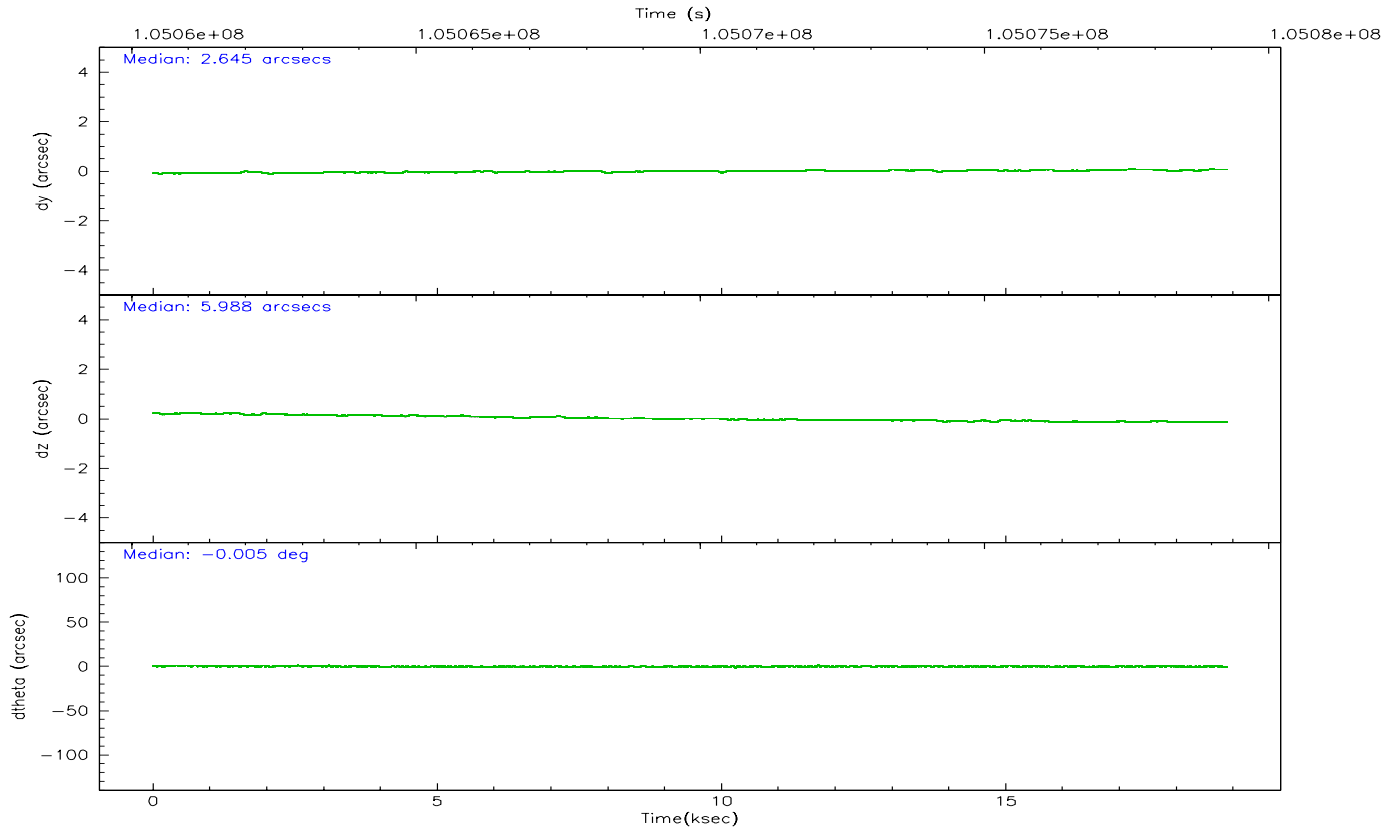
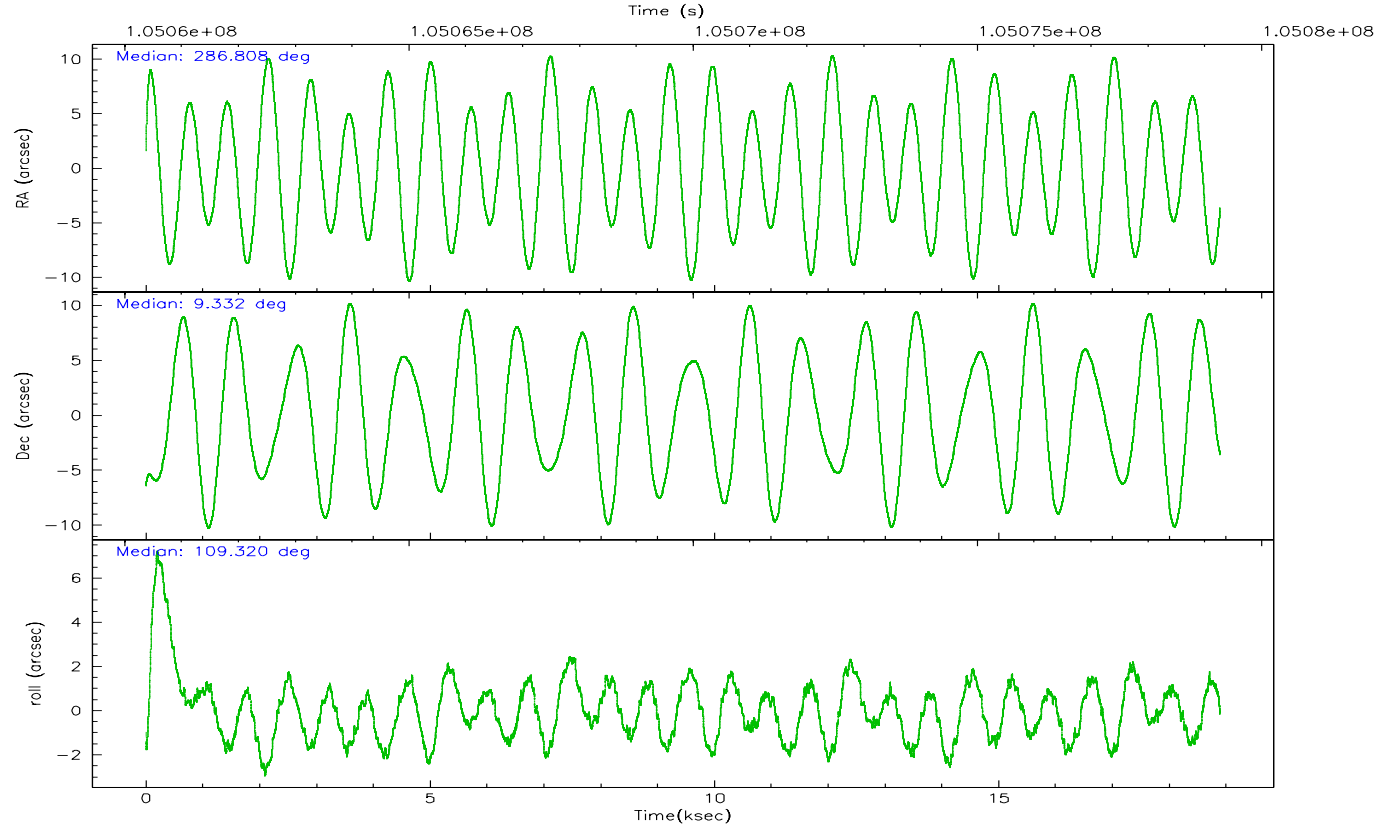
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	2688	2755	22590	2411	5627	8382
	11%	10%	20%	9%	6%	16%
grade 1 events	66	79	109	90	143	163
	0%	0%	0%	0%	0%	0%
grade 2 events	7323	7938	25712	8026	19096	12630
	30%	30%	23%	31%	22%	25%
grade 3 events	2879	3424	1911	2883	3903	5650
	12%	13%	1%	11%	4%	11%
grade 4 events	2848	2945	1680	2880	3811	5404
	11%	11%	1%	11%	4%	10%
grade 5 events	3902	4306	8876	4540	10963	6384
	16%	16%	8%	17%	12%	12%
grade 6 events	4076	4432	46812	4732	41012	10815
	17%	17%	43%	18%	48%	21%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

## 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	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	286.829186	286.8080102736377	Subarray requested	NONE	NONE
Pointing Dec	9.314329	9.331917933147368	Alternating exposures requested	N	N
Pointing Roll	109.164512	109.3245629224973	Primary exposure time	0.000000	0
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	105060508.184000	105059234.95137			
Observation start date	2001-04-30T23:27:24	2001-04-30T23:07:14			
Observation end time	105079274.184000	105079589.40216			
Observation end date	2001-05-01T04:40:10	2001-05-01T04:46:29			
Read mode	CONTINUOUS	CONTINUOUS			

## 2.3 Aspect





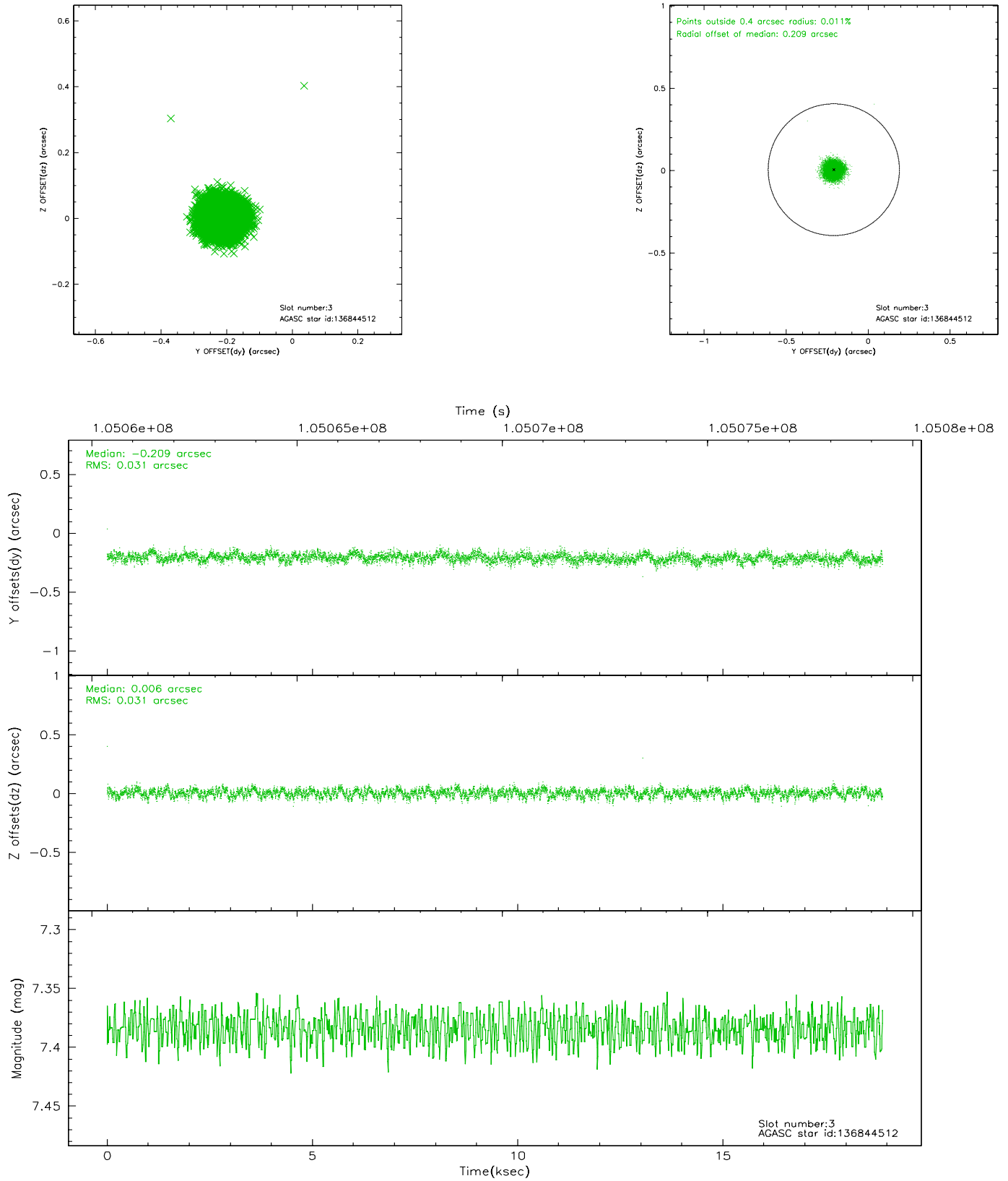
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	4610	-0.022	0.026	0.014	0.023	0.000000	0.000000	-755.25	-1727.08
1	FID	ACIS-S-4	7.20	4609	-0.074	0.003	0.018	0.026	0.000000	0.000000	2157.83	181.23
2	FID	ACIS-S-5	7.23	4609	0.068	-0.021	0.011	0.017	0.000000	0.000000	-1807.78	175.02
3	GUIDE	136844512	7.38	9218	-0.209	0.006	0.047	0.074	286.436543	9.770401	2008.13	776.55
4	GUIDE	136844448	7.80	9219	-0.060	-0.098	0.052	0.081	286.569231	9.582775	1215.71	554.11
5	GUIDE	136315920	8.22	9216	0.058	-0.094	0.051	0.083	286.430663	9.097145	-273.19	1594.22
6	GUIDE	136316696	7.91	9220	0.117	0.138	0.052	0.084	287.190166	9.367792	-238.78	-1274.46
7	GUIDE	136316048	8.25	9217	0.094	0.049	0.053	0.087	286.616424	9.034888	-702.23	1044.29

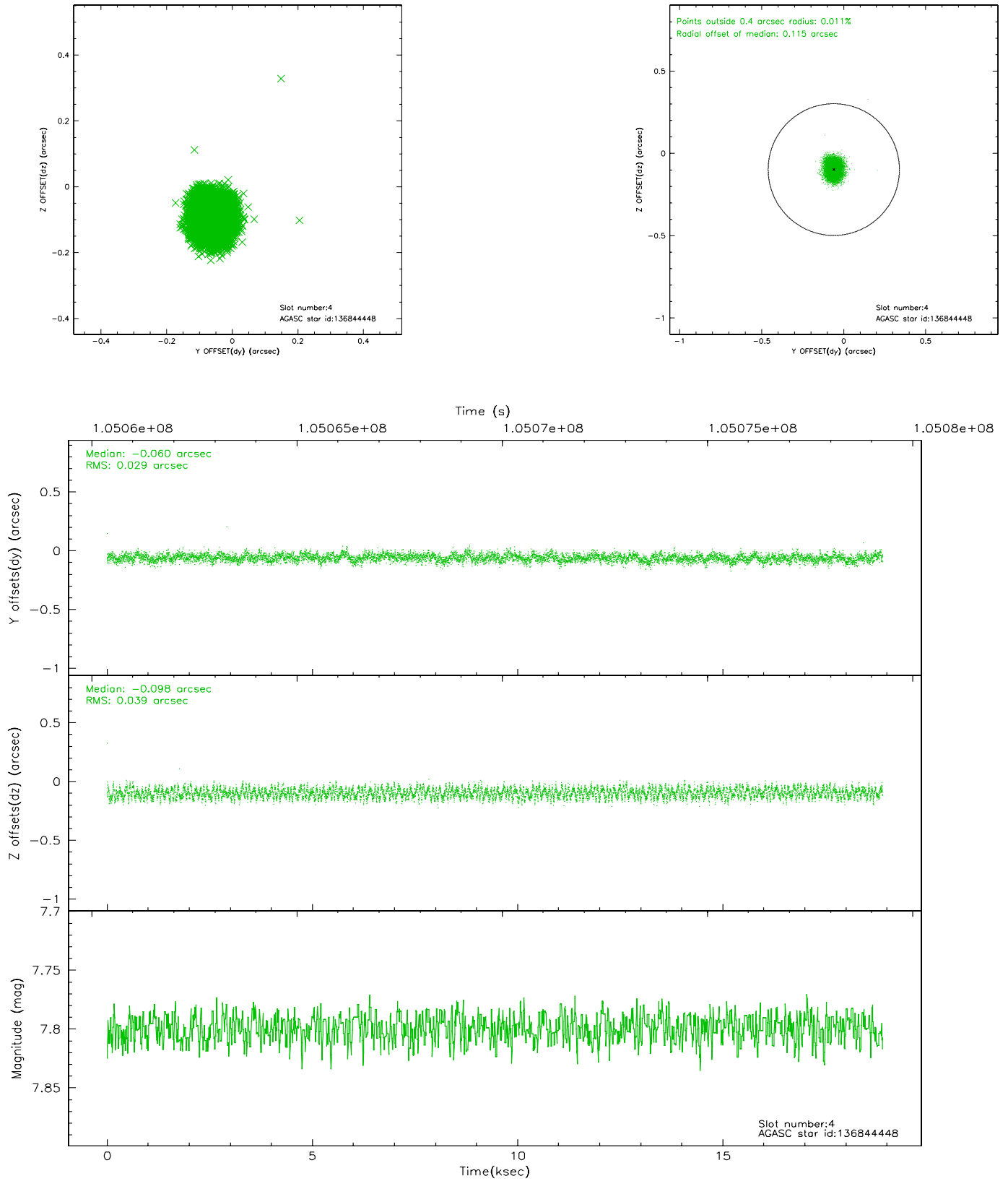


## 2.4 Star Slots

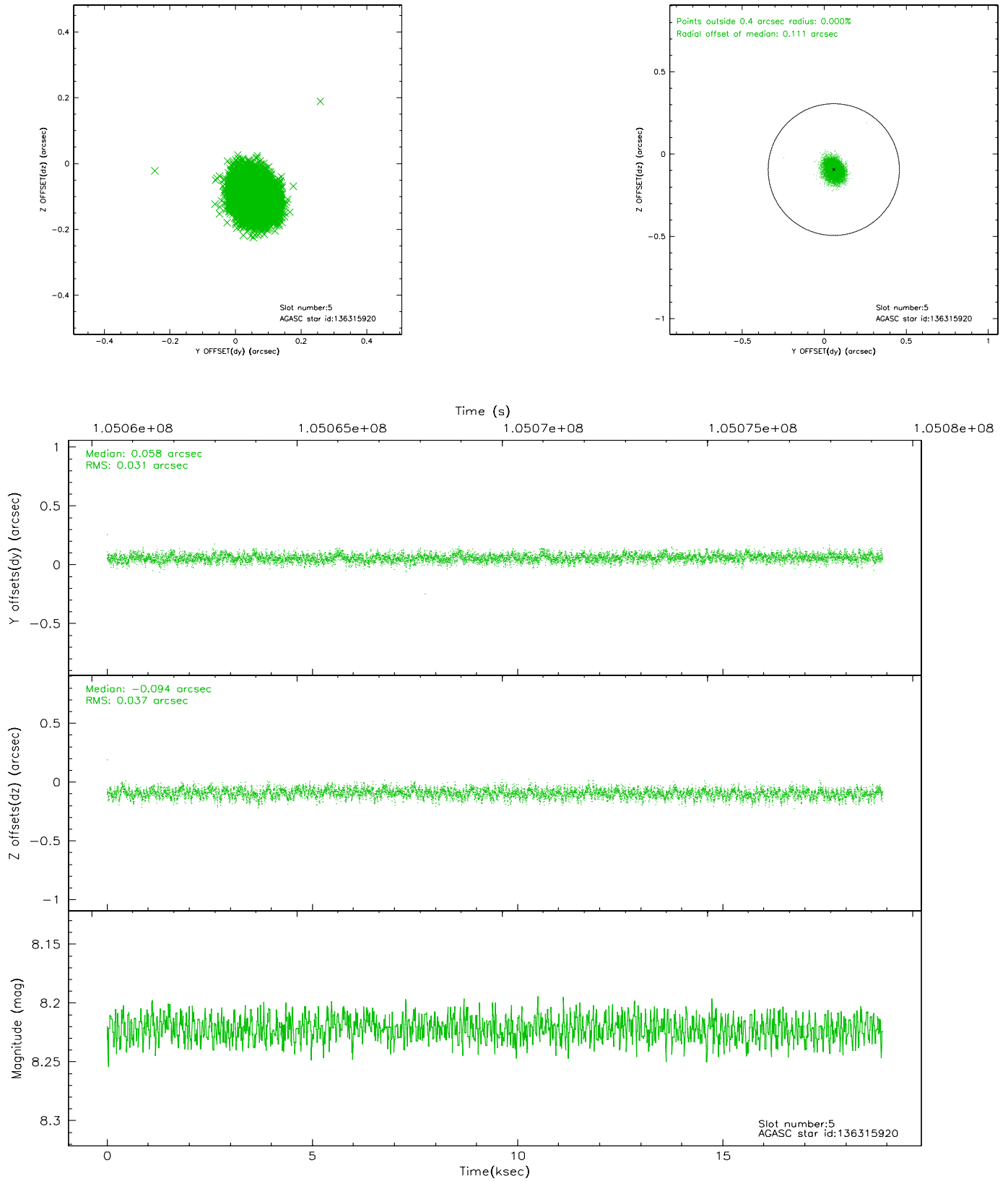
### 2.4.1 Slot 3



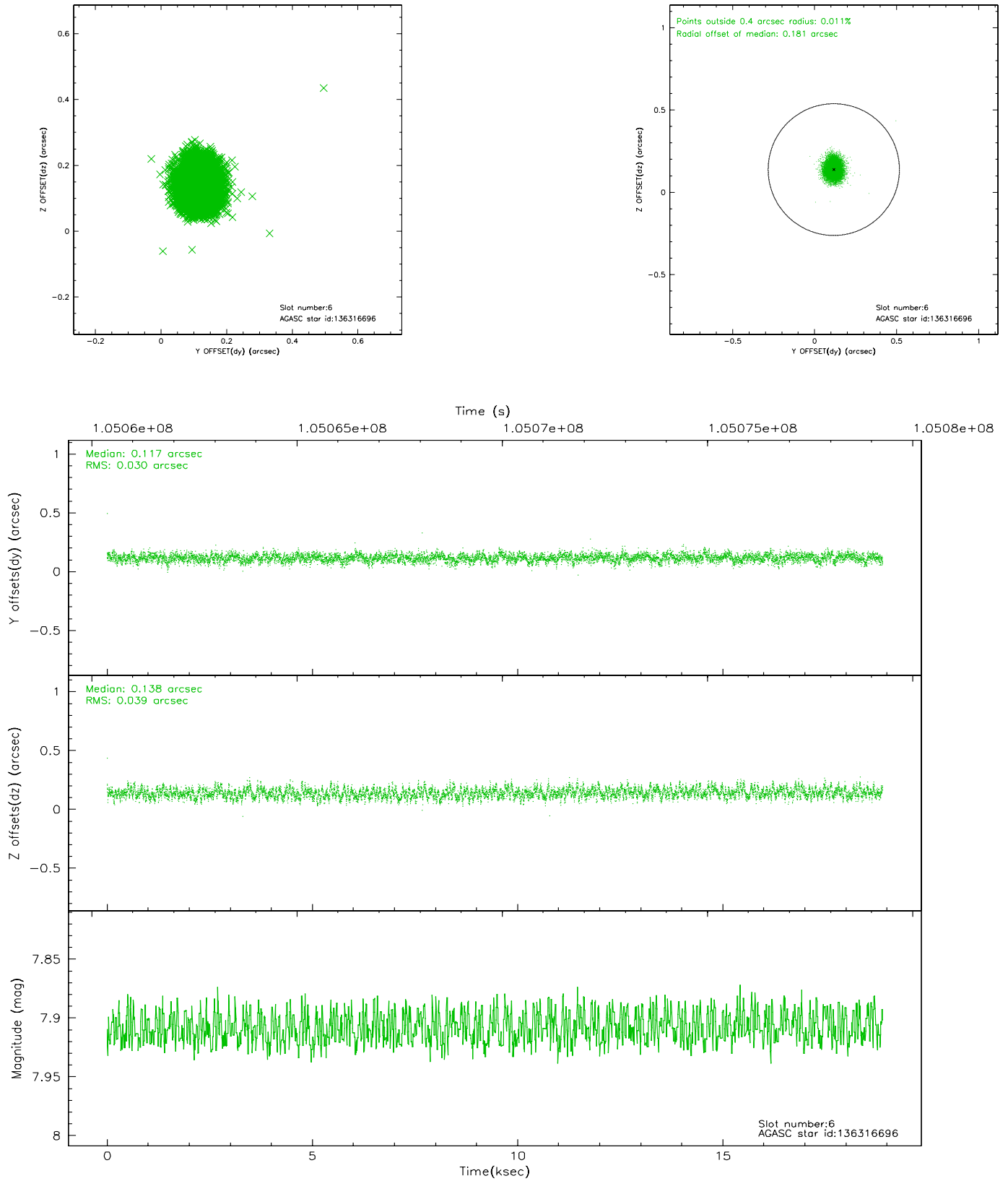
## 2.4.2 Slot 4



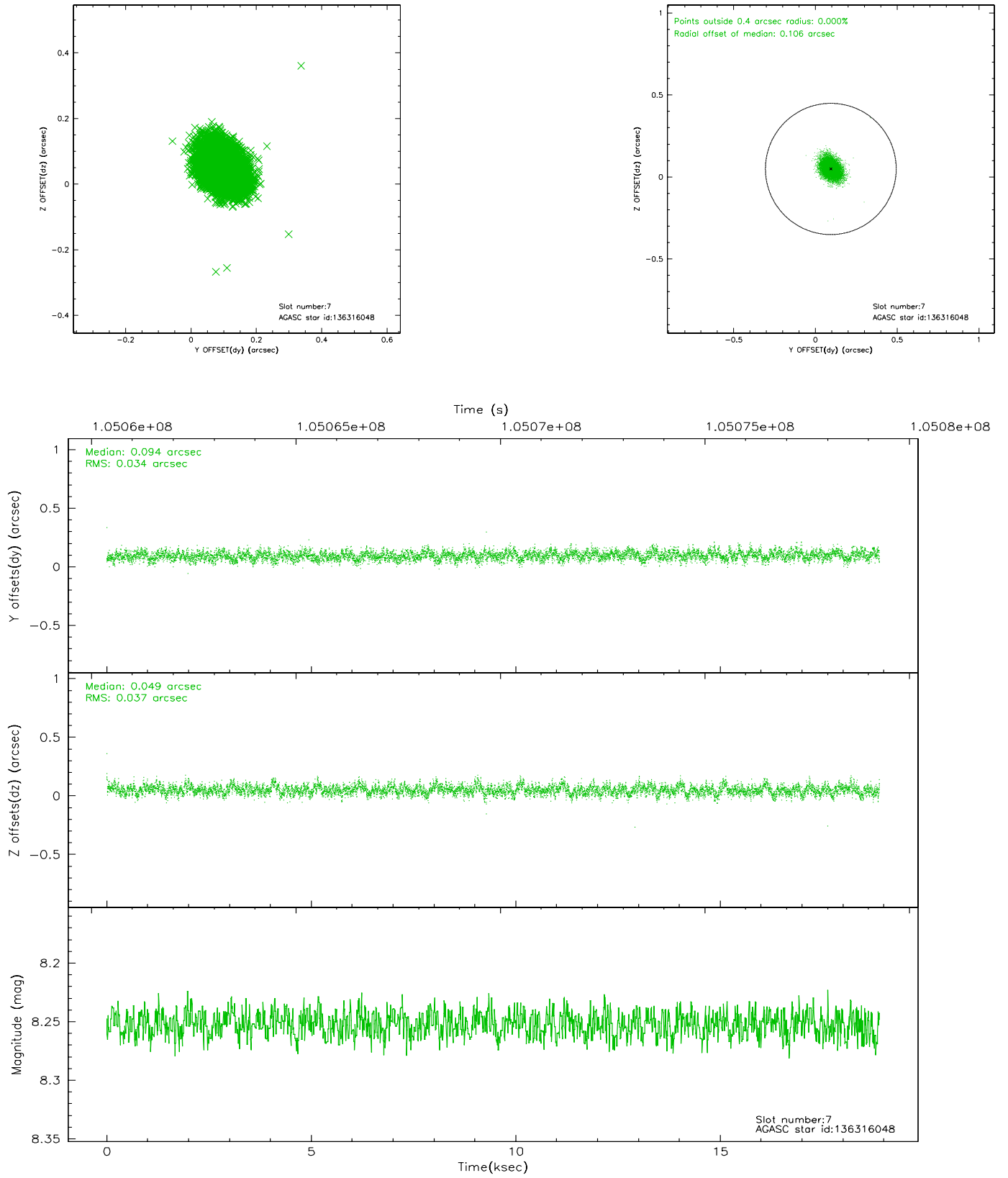
### 2.4.3 Slot 5



## 2.4.4 Slot 6

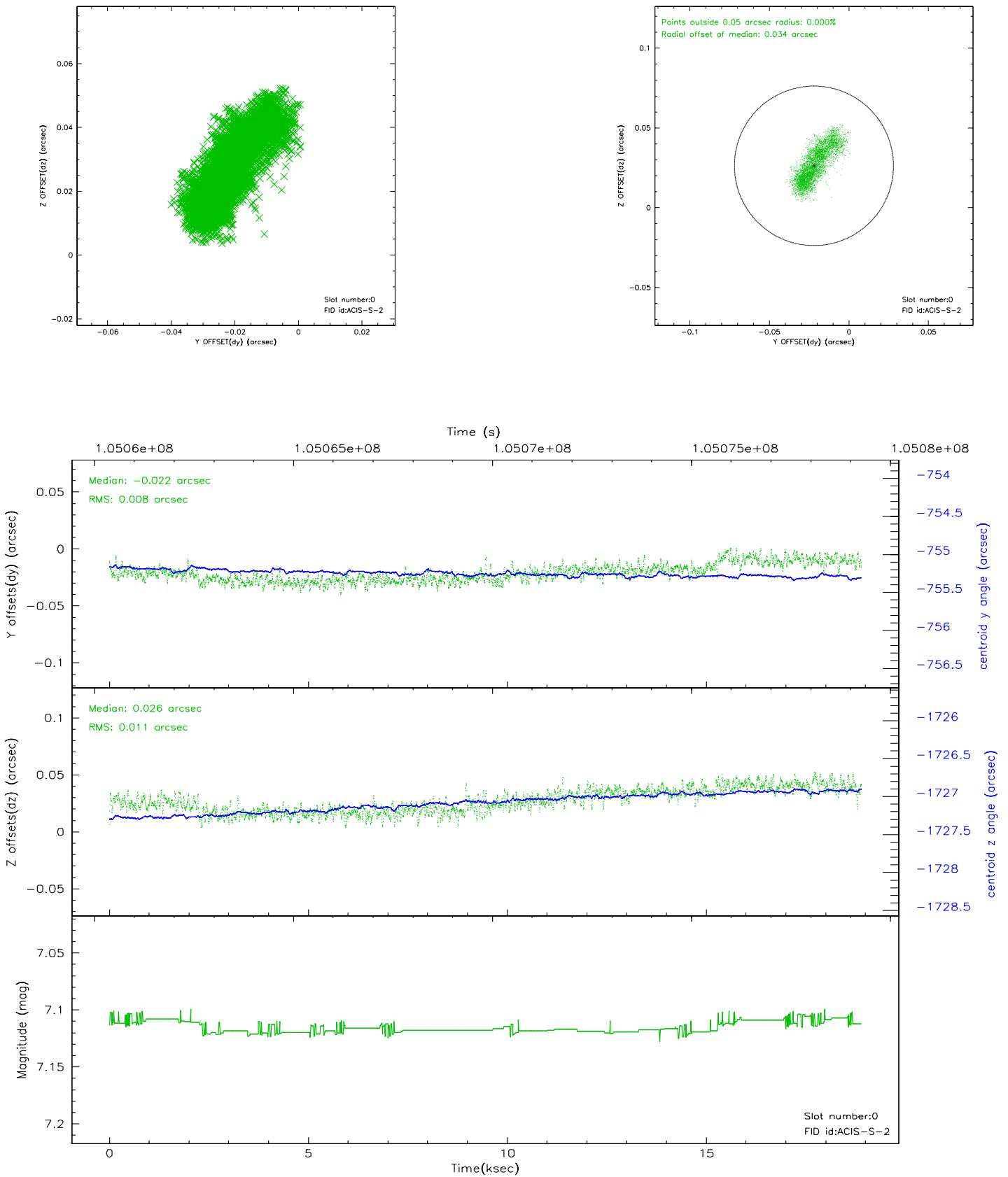


## 2.4.5 Slot 7

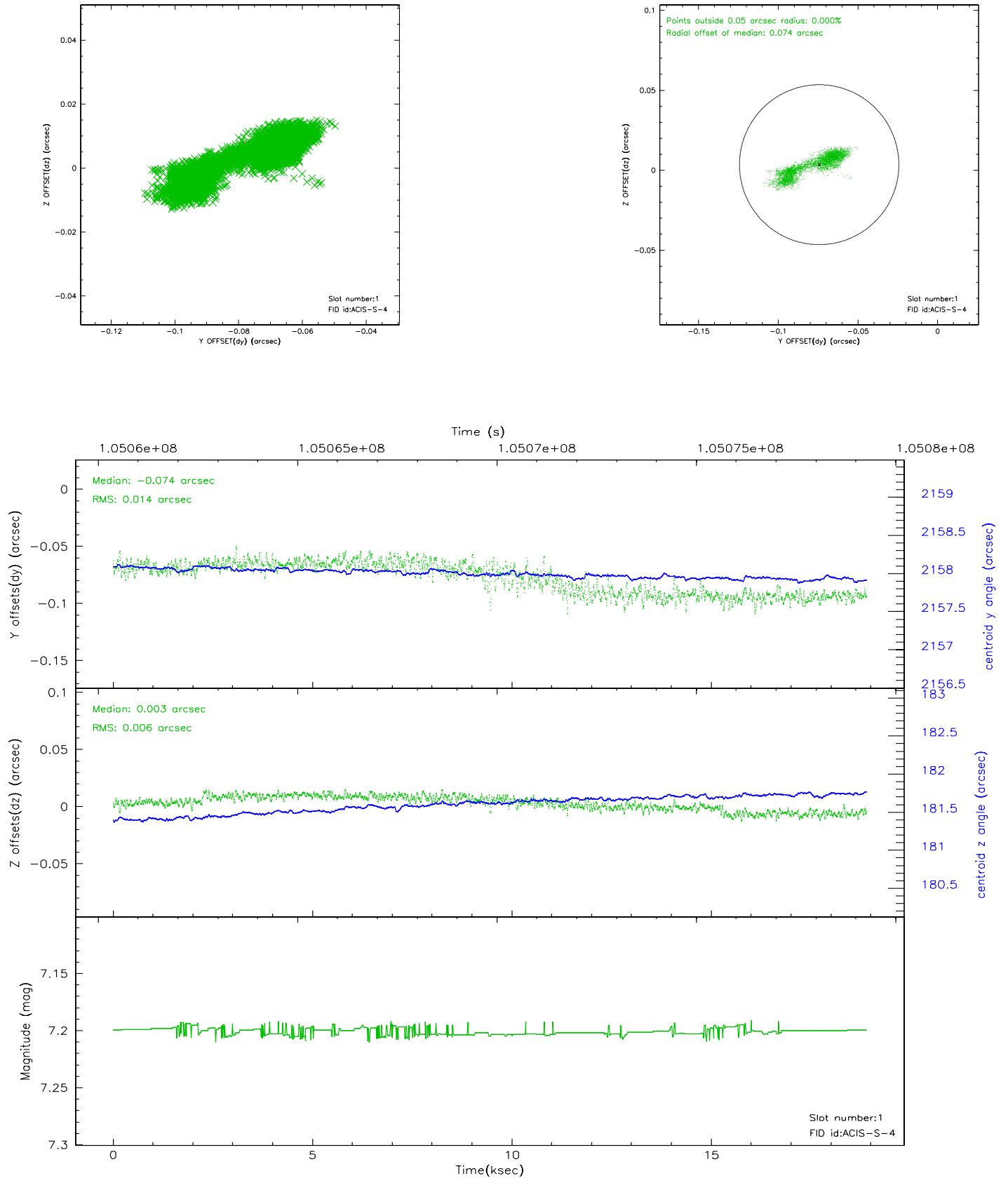


## 2.5 FID Slots

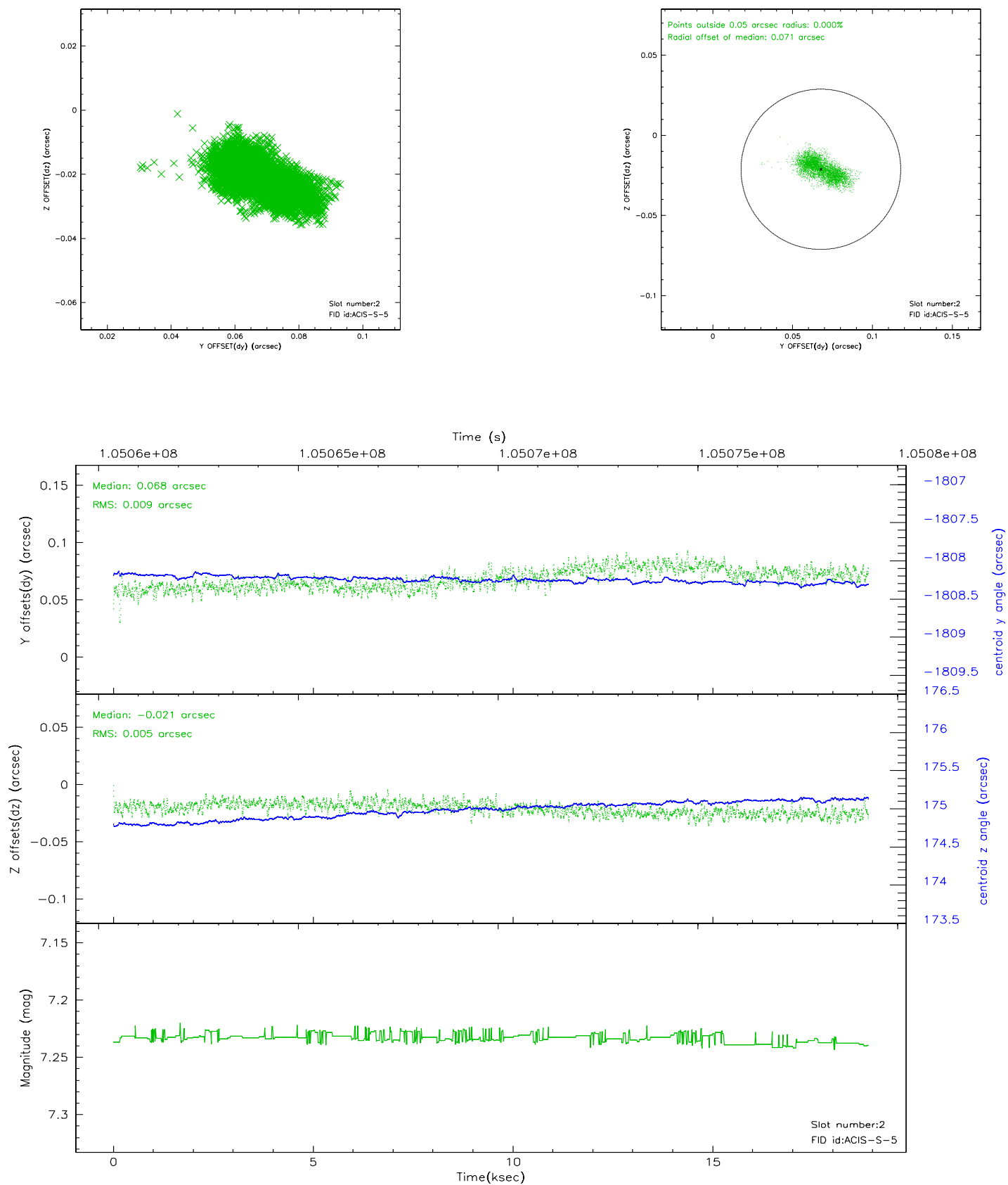
### 2.5.1 Slot 0



## 2.5.2 Slot 1



## 2.5.3 Slot 2





## A Summary

### A.1 Status

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2006.11.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.896

### A.2 Comments