

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2458 - L2 Version 001  
Chandra X-Ray Center

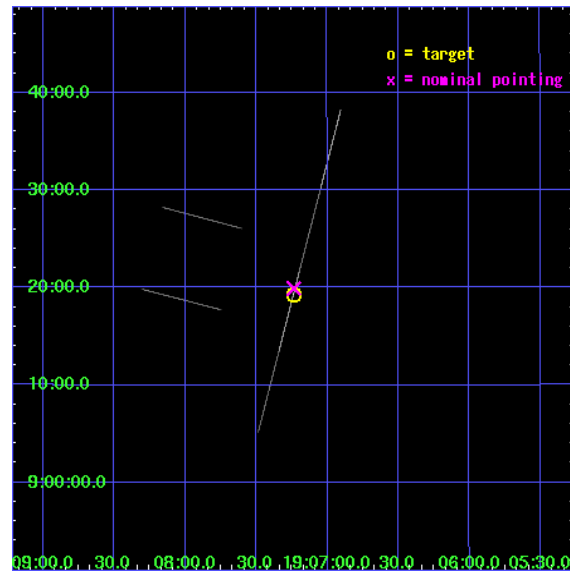
L2 Processing Date : Nov 14 2006

## 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

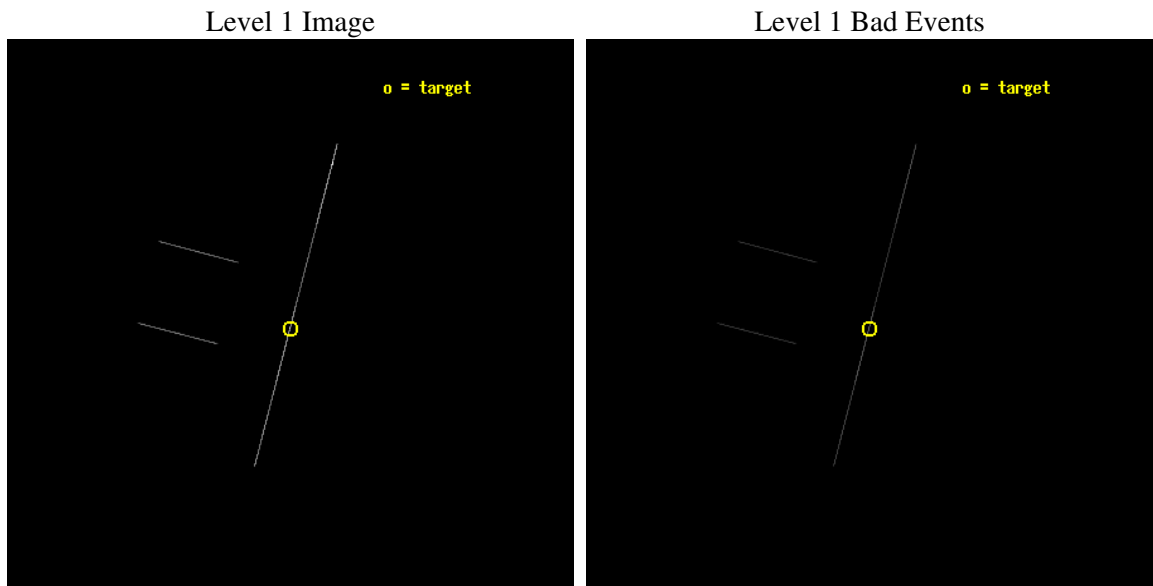
seq_num	500199
obs_id	2458
title	IMMEDIATE POST-GIANT FLARE OBSERVATIONS OF SGR 1900+14
observer	Prof. Shrinivas Kulkarni
object	SGR 1900+14
ra_targ	286.809583
dec_targ	9.32225
ra_nom	286.80882896032
dec_nom	9.3319927341883
roll_nom	104.5393232234
revision	3
ontime	20831.75
livetime	20750.375976562
ontime2	20831.75
ontime3	20831.75
ontime5	20831.75
ontime6	20831.75
ontime7	20831.75
ontime8	20831.75
l2events	240728



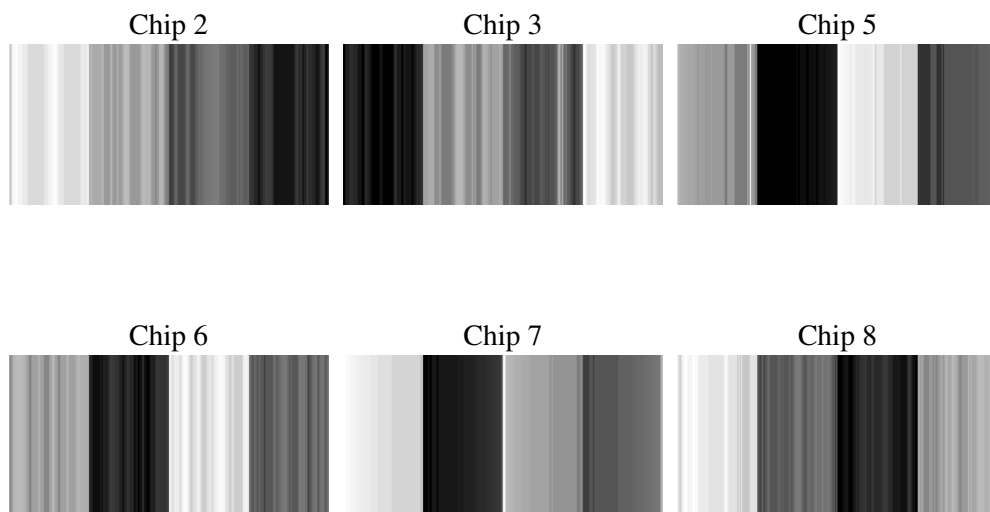
## 2 OBI

### 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	2006-11-14T18:48:07
revision	3

sched_exp_time	20000.000000
ontime	21050.099059448
ontime2	21050.102707341
ontime3	21050.172205761
ontime5	21050.099533036
ontime6	21050.099301398
ontime7	21050.099059448
ontime8	21050.098827675
l1events	382834

### 2.1.4 Events

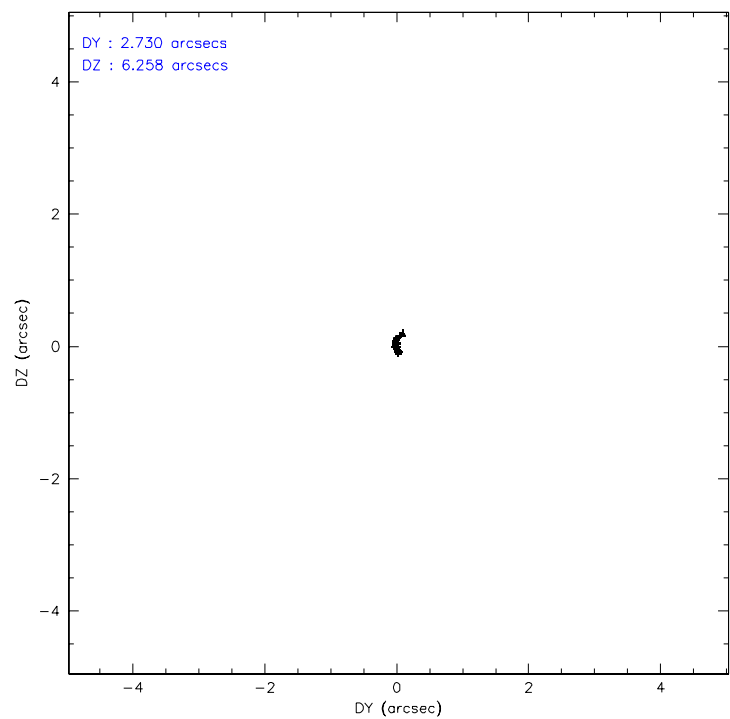
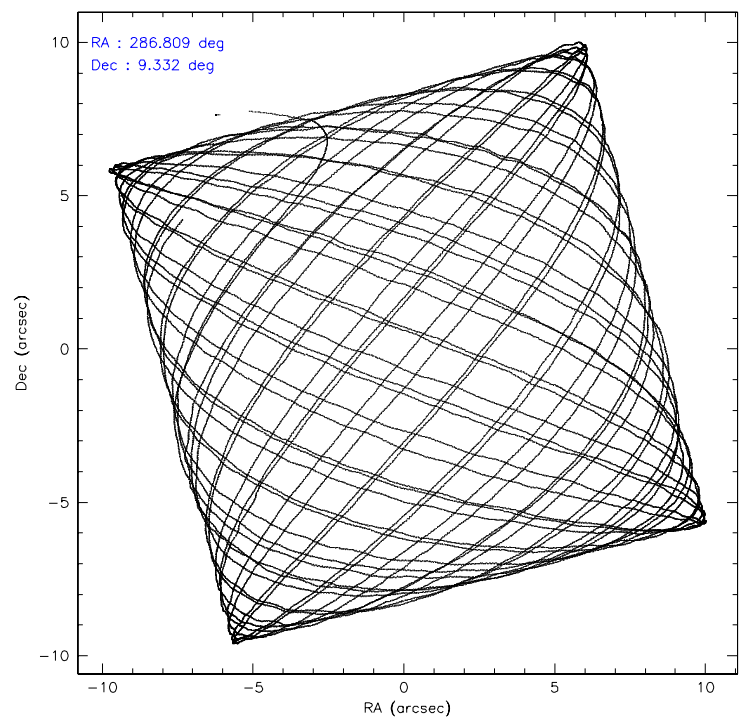
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	26219	28075	145070	28555	98803	56112
rejected events	4564	5005	10734	5291	13743	7659
rejected %	17%	17%	7%	18%	13%	13%

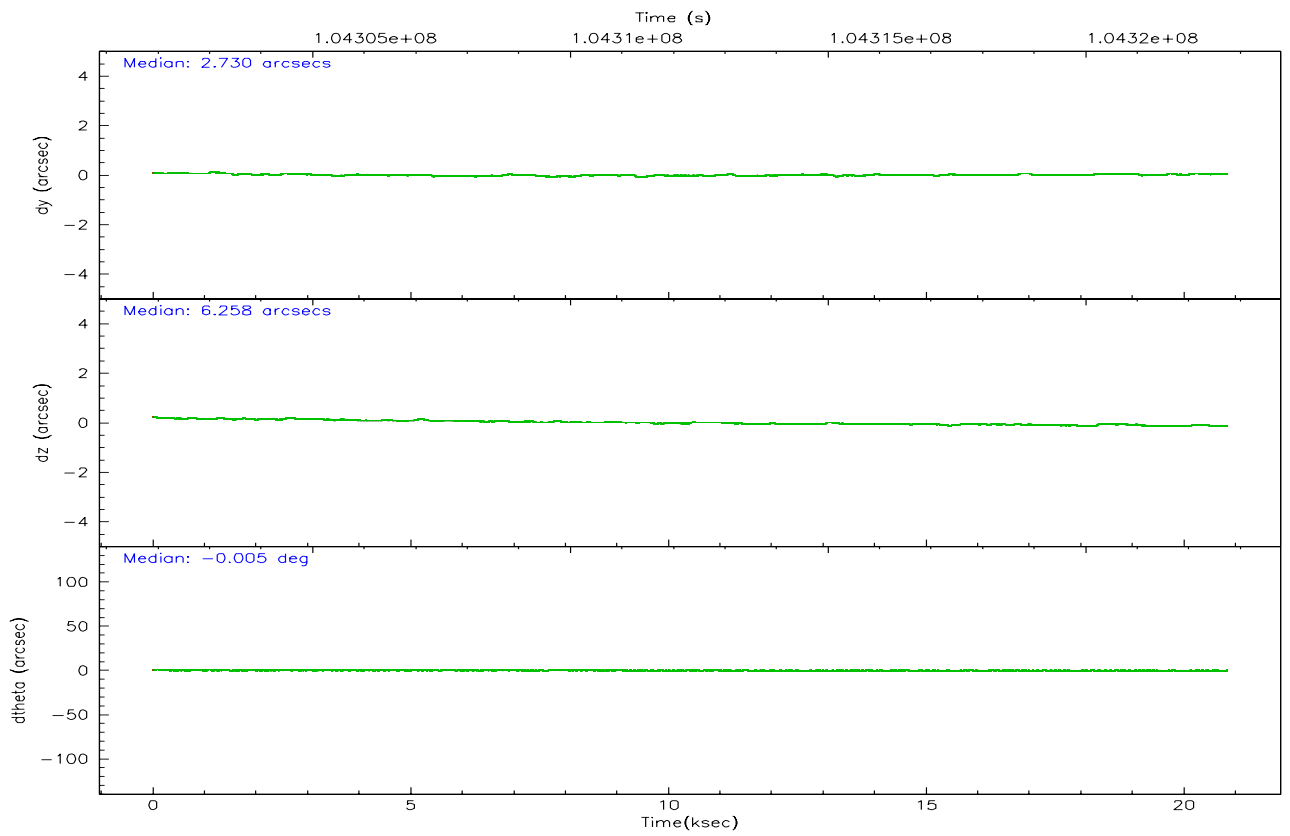
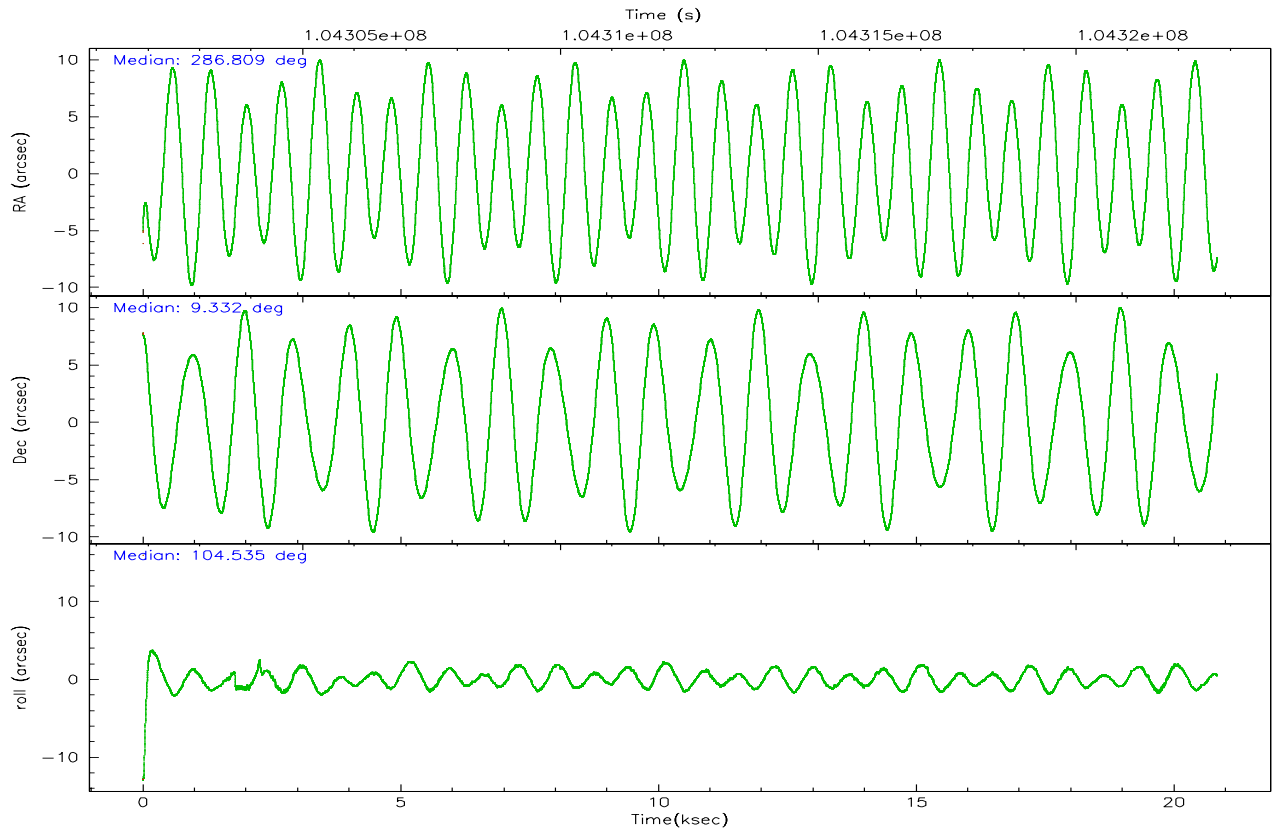
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	2962	3007	45704	2762	7402	9306
	11%	10%	31%	9%	7%	16%
grade 1 events	74	94	117	88	144	170
	0%	0%	0%	0%	0%	0%
grade 2 events	7901	8474	33930	9003	22874	14433
	30%	30%	23%	31%	23%	25%
grade 3 events	3207	3828	2083	3196	4979	6430
	12%	13%	1%	11%	5%	11%
grade 4 events	3317	3245	1872	3257	4767	6161
	12%	11%	1%	11%	4%	10%
grade 5 events	4291	4650	9560	4952	12753	7095
	16%	16%	6%	17%	12%	12%
grade 6 events	4467	4777	51804	5297	45884	12517
	17%	17%	35%	18%	46%	22%
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	286.828450	286.8088289603183	Subarray requested	NONE	NONE
Pointing Dec	9.312740	9.331992734188301	Alternating exposures requested	N	N
Pointing Roll	104.379525	104.5393232234025	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	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	104302744.184000	104301463.69695			
Observation start date	2001-04-22T04:58:00	2001-04-22T04:37:43			
Observation end time	104322744.184000	104324454.96035			
Observation end date	2001-04-22T10:31:20	2001-04-22T11:00:54			
Read mode	CONTINUOUS	CONTINUOUS			

## 2.3 Aspect





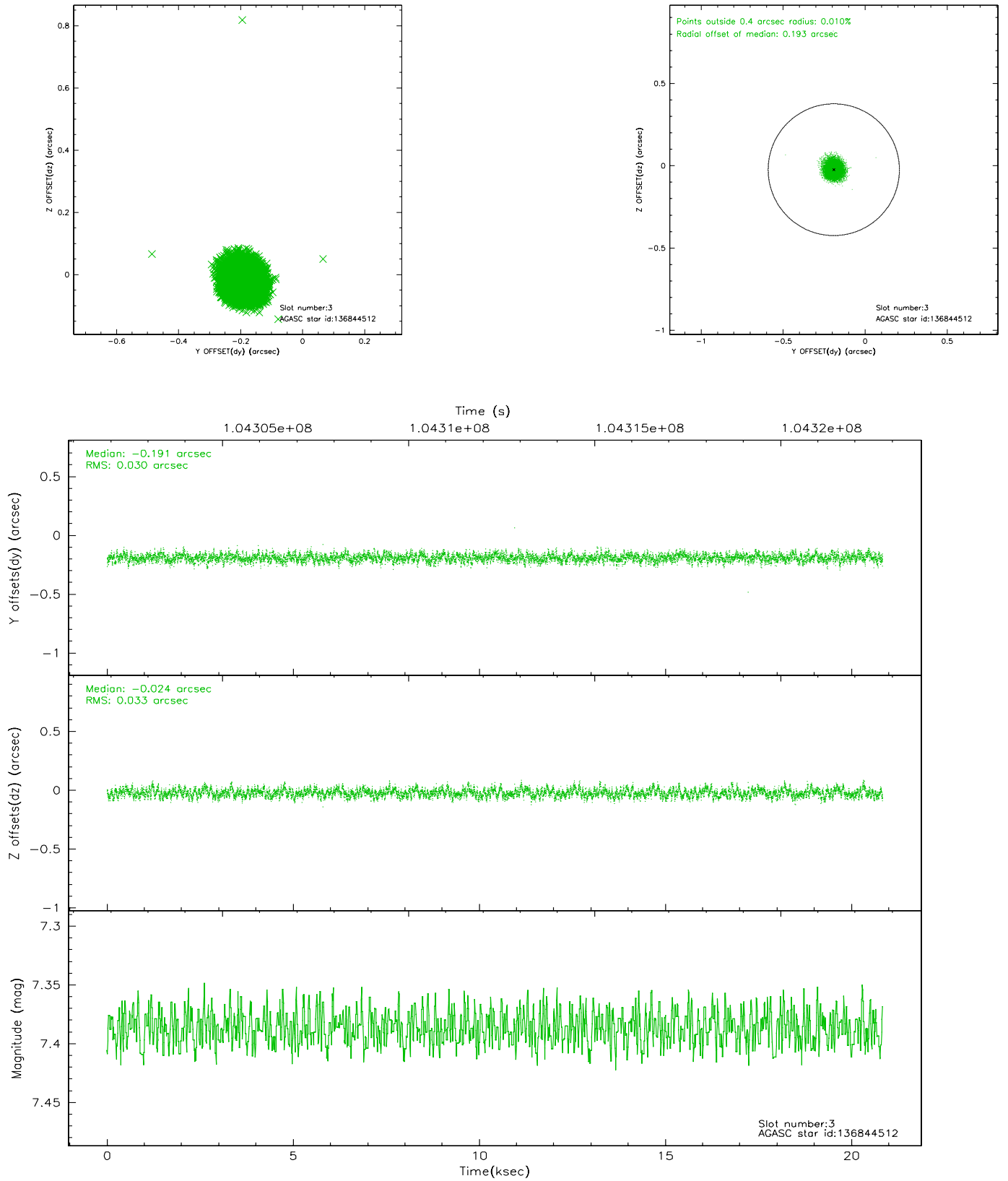
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	5083	-0.010	0.039	0.009	0.015	0.000000	0.000000	-755.35	-1727.39
1	FID	ACIS-S-4	7.20	5082	-0.097	-0.005	0.007	0.012	0.000000	0.000000	2157.73	180.92
2	FID	ACIS-S-5	7.23	5082	0.075	-0.024	0.006	0.010	0.000000	0.000000	-1807.92	174.70
3	GUIDE	136844512	7.39	10165	-0.191	-0.024	0.047	0.074	286.436543	9.770401	1941.51	937.18
4	GUIDE	136844448	7.80	10165	-0.104	-0.078	0.052	0.083	286.569231	9.582775	1170.32	649.45
5	GUIDE	136315920	8.22	10165	0.094	-0.120	0.049	0.079	286.430663	9.097145	-400.06	1561.70
6	GUIDE	136316696	7.91	10164	0.107	0.184	0.051	0.081	287.190166	9.367792	-126.51	-1294.06
7	GUIDE	136316048	8.25	10162	0.095	0.039	0.056	0.090	286.616424	9.034888	-781.75	977.92

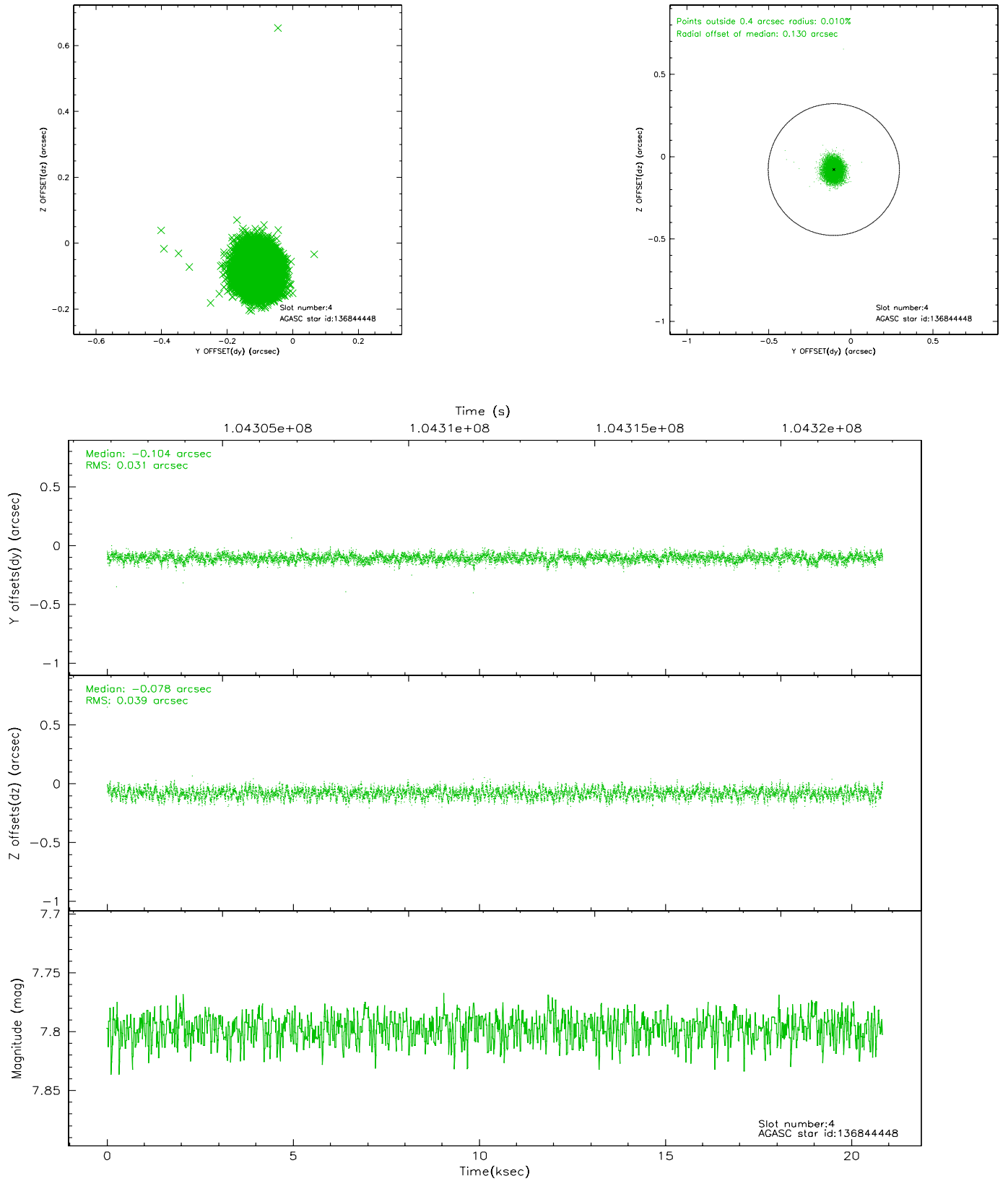


## 2.4 Star Slots

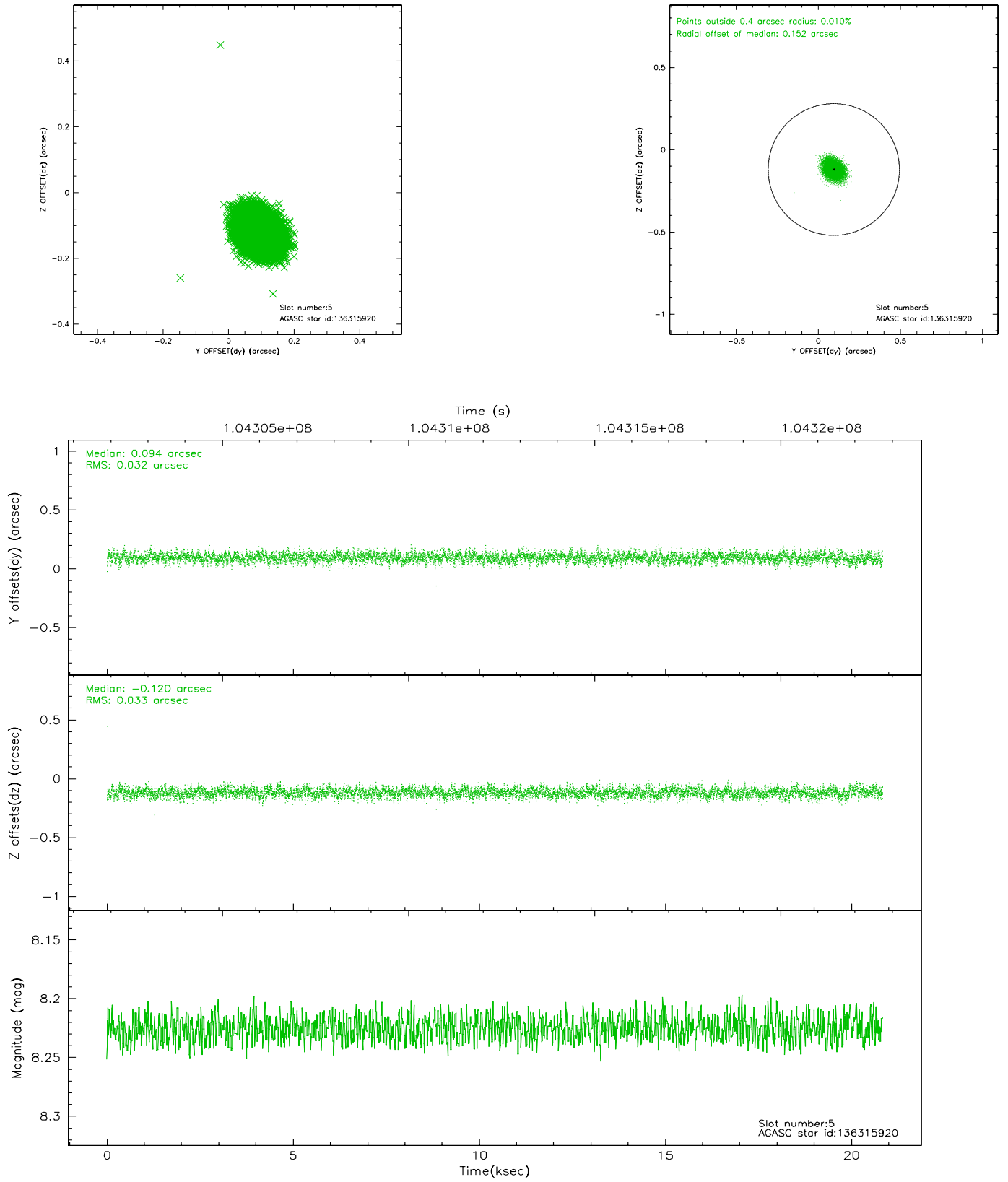
### 2.4.1 Slot 3



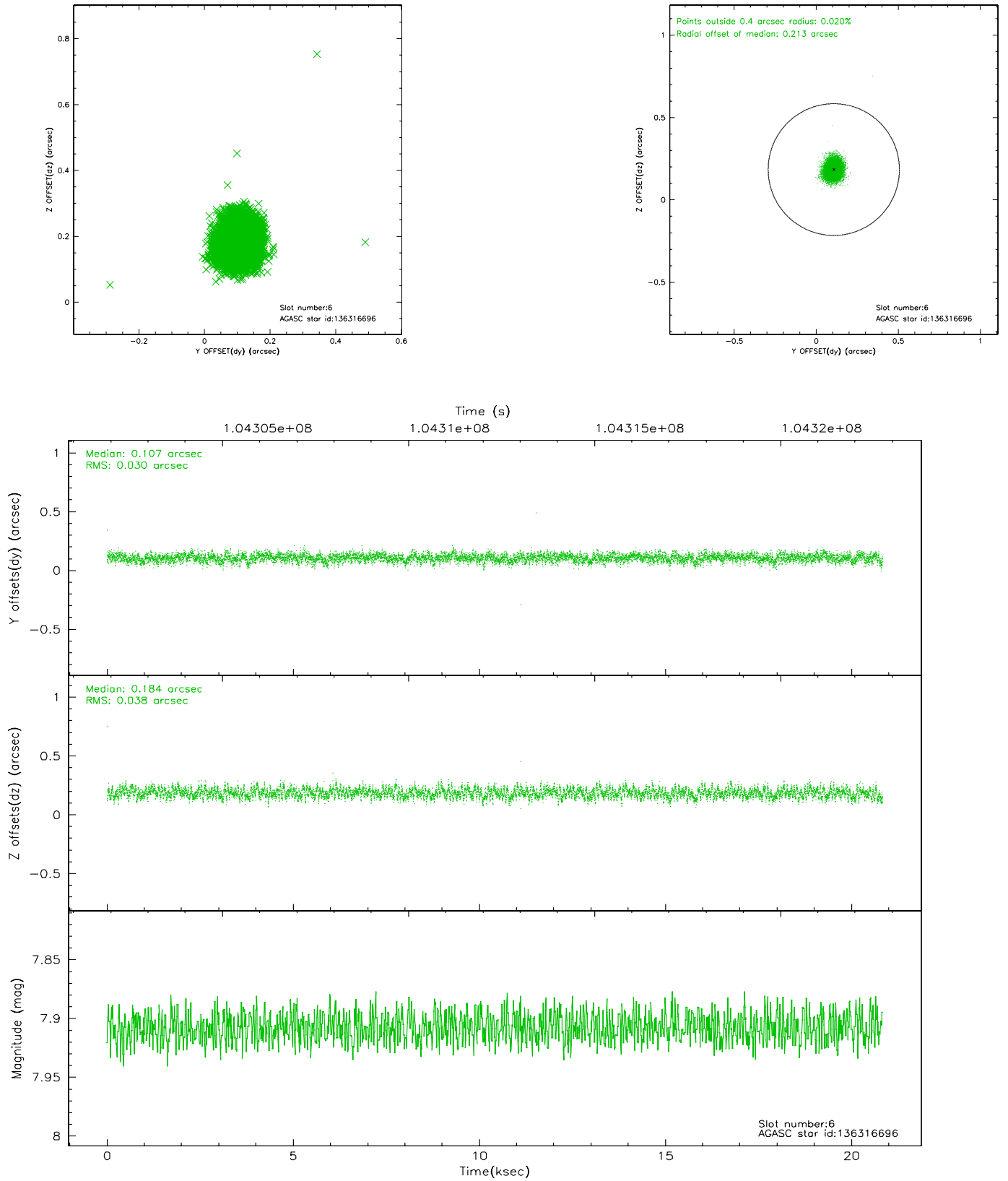
## 2.4.2 Slot 4



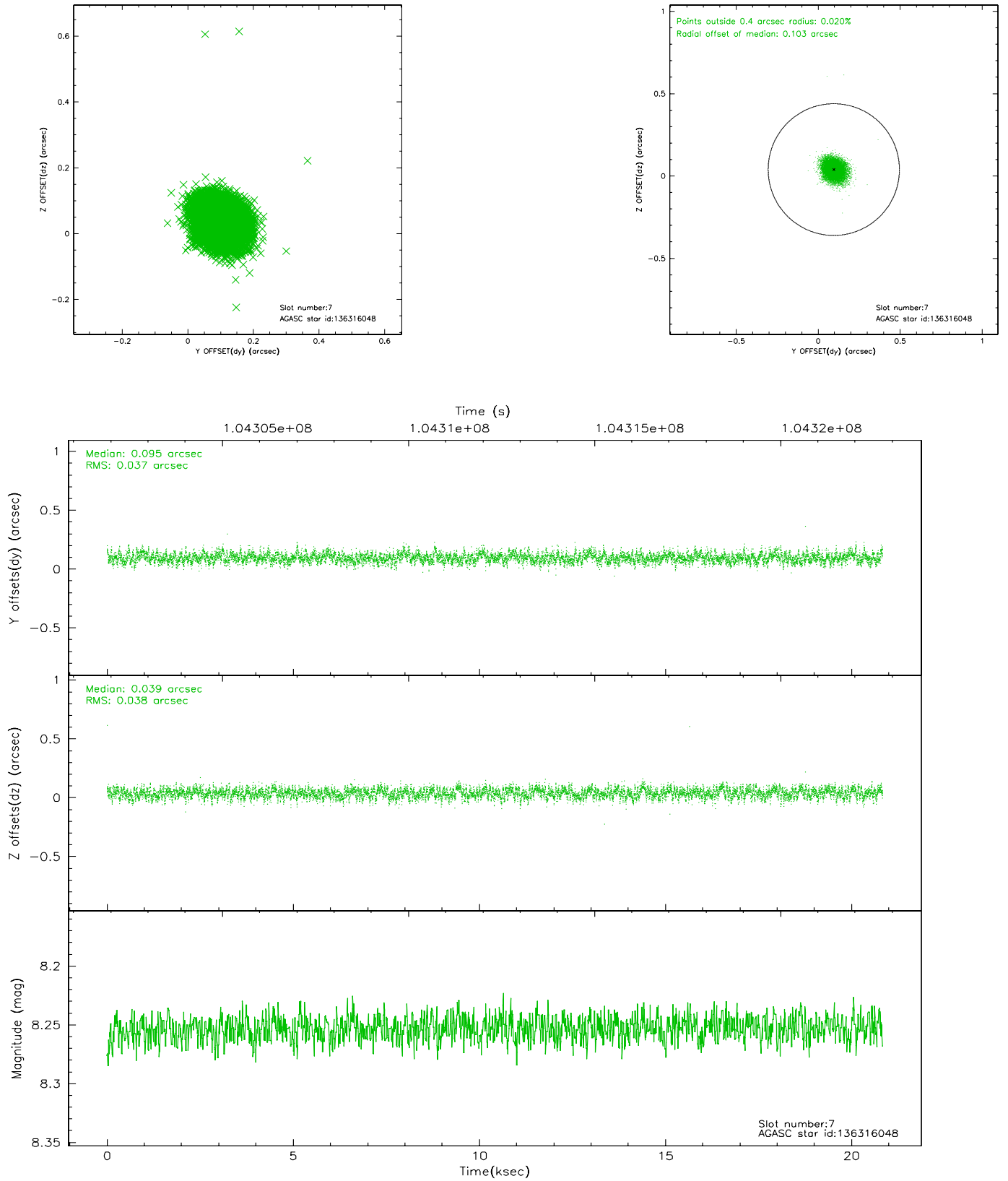
### 2.4.3 Slot 5



## 2.4.4 Slot 6

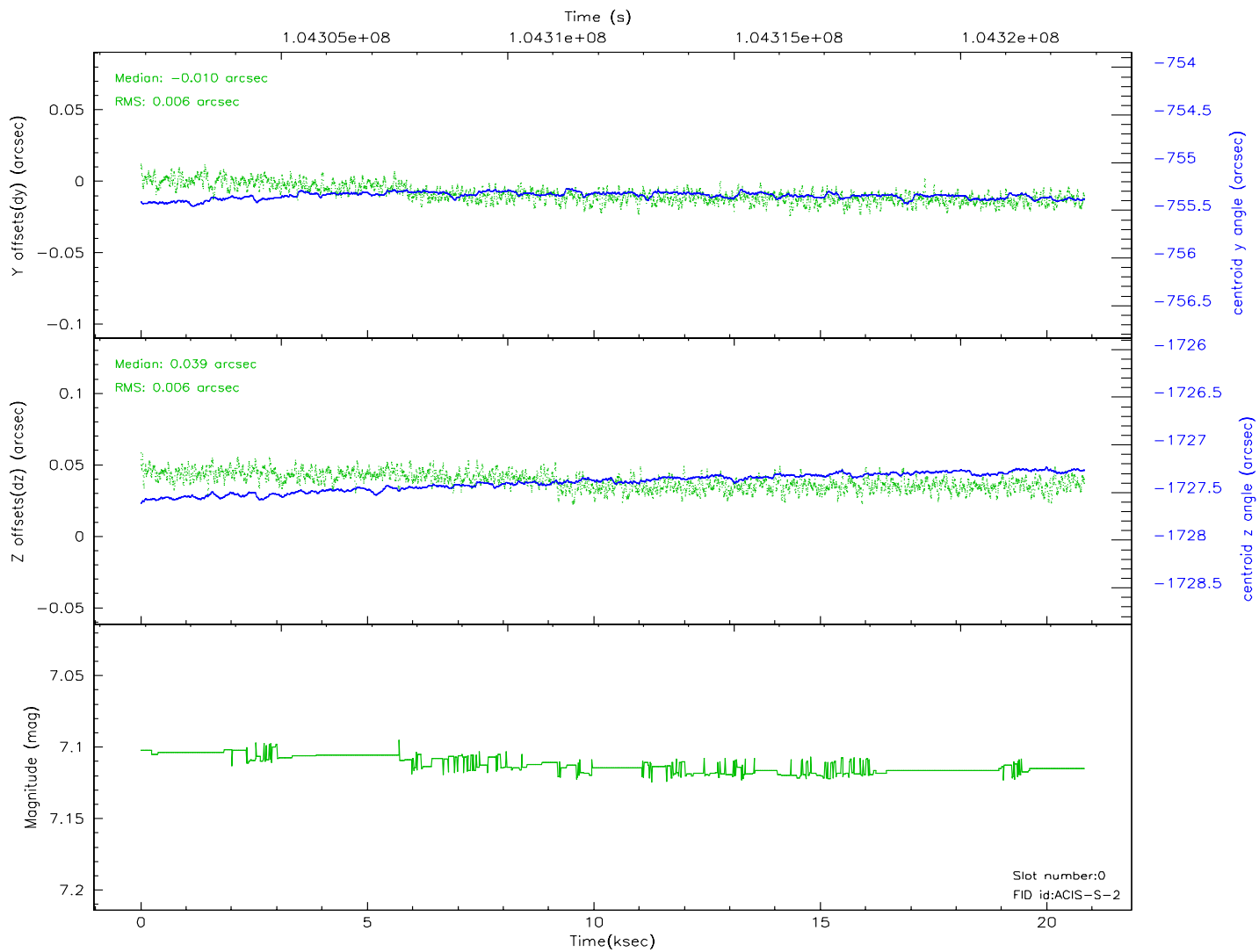
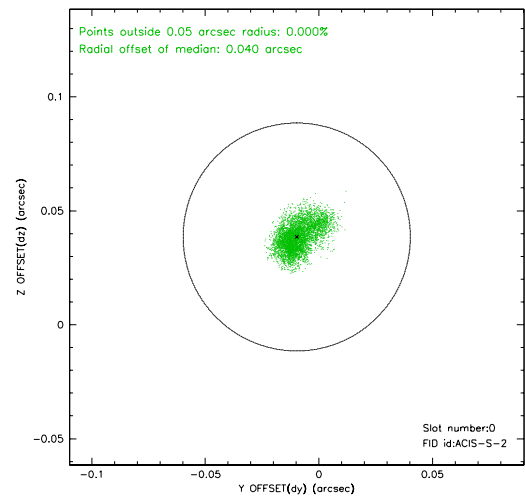
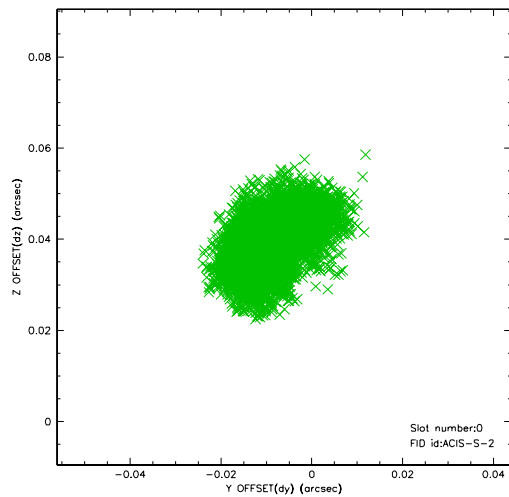


## 2.4.5 Slot 7

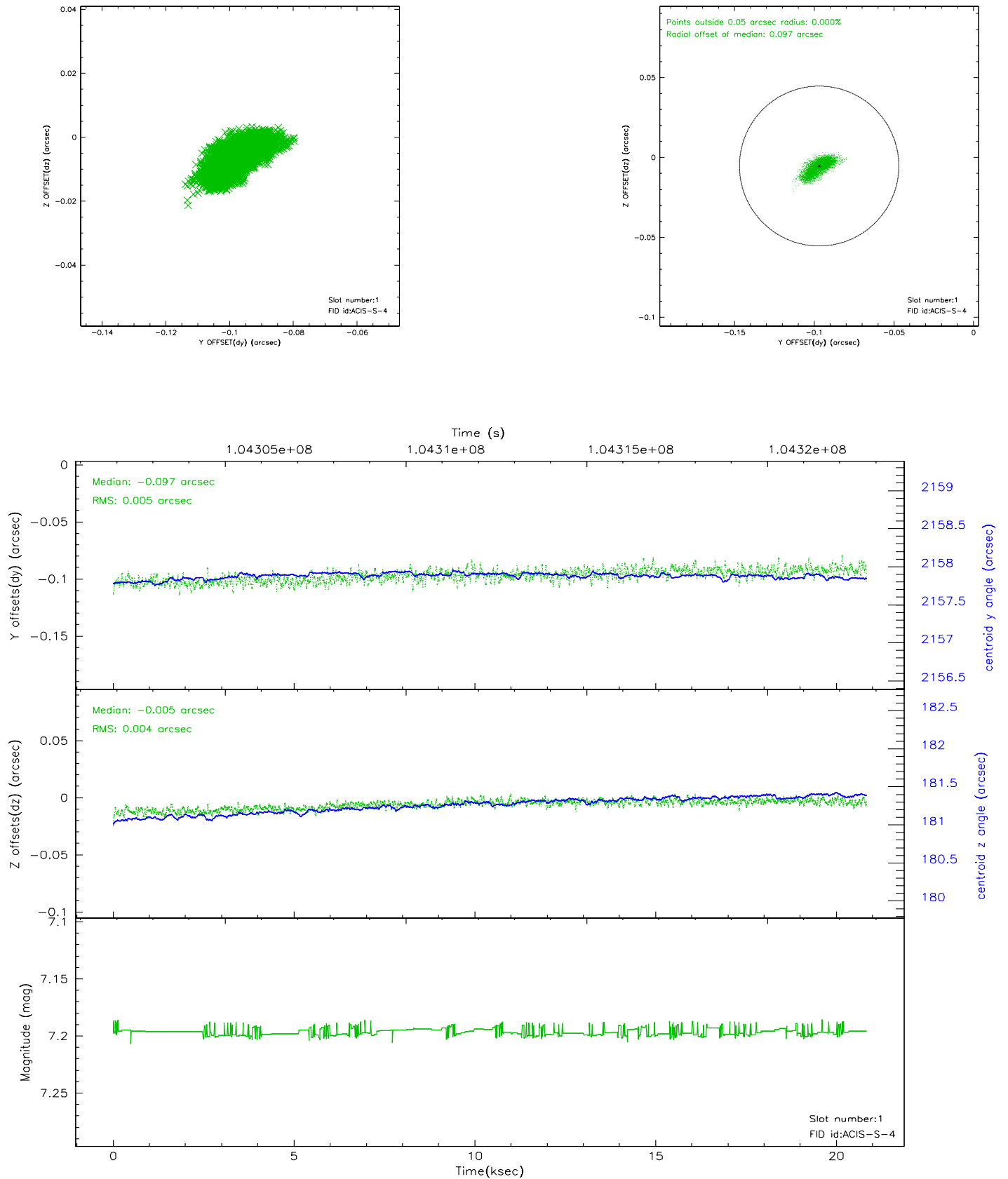


## 2.5 FID Slots

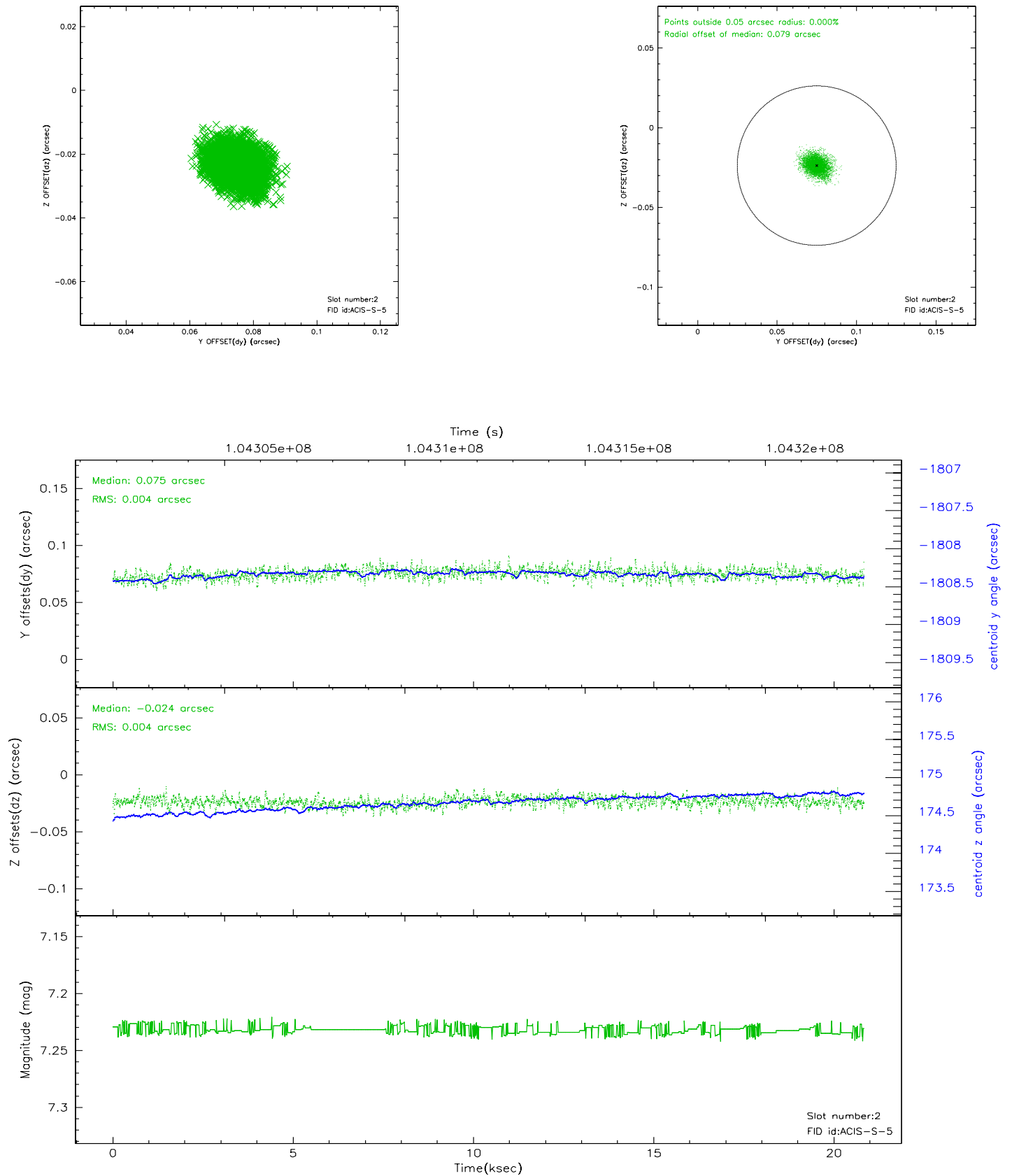
### 2.5.1 Slot 0



## 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)	2006.11.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.835

### A.2 Comments