

# V&V Reference Report

## L2 ASCDS Version : 7.6.7.2

Observation 4816 - L2 Version 001  
Chandra X-Ray Center

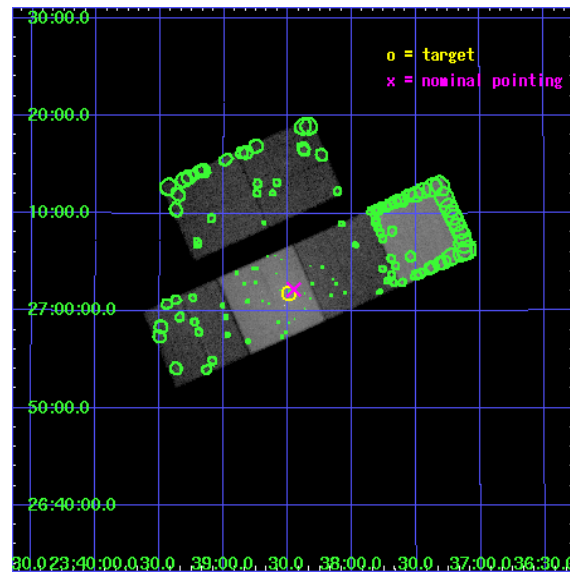
L2 Processing Date : May 23 2006

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# 1 Front

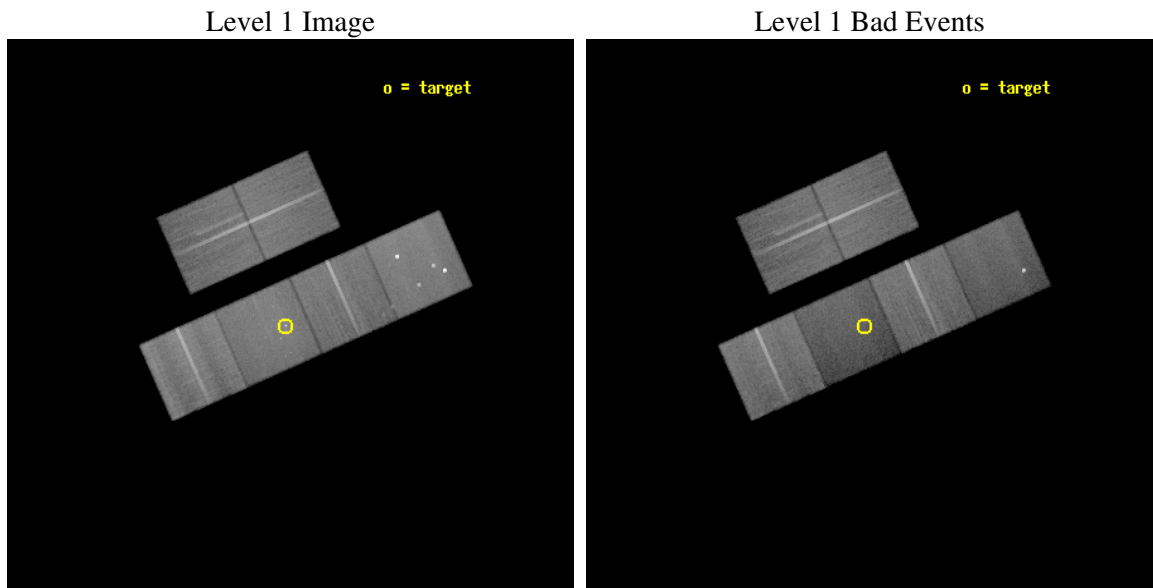
seq_num	700899
obs_id	4816
title	Testing jet models: the inner jet in the wide-angle tail radio galaxy 3C465
observer	Dr Martin Hardcastle
object	3C465
dtcycle	0
cycle	P
ra_targ	354.6225
dec_targ	27.031417
ra_nom	354.61351474545
dec_nom	27.03682727755
roll_nom	156.04204201336
revision	2
ontime	50163.199813128
livetime	49528.003172441
ontime2	50062.728747487
ontime3	50163.199813128
ontime5	50163.199813128
ontime6	50163.199813128
ontime7	50163.199813128
ontime8	50159.95883286
l2events	483029



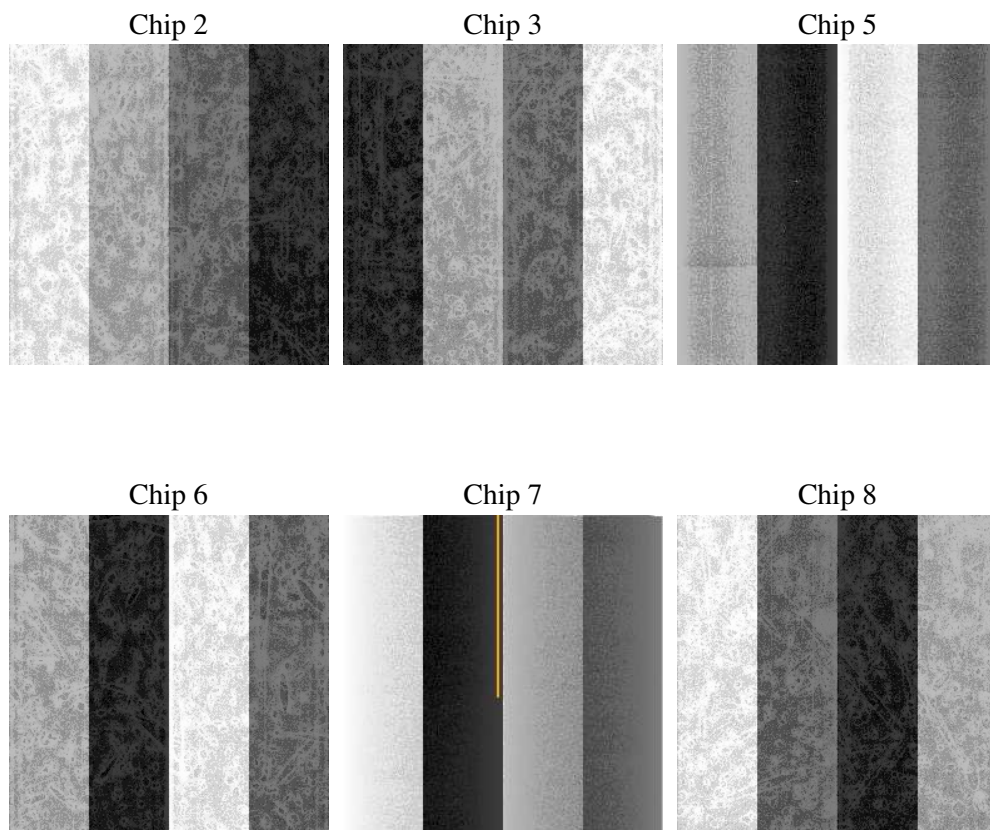
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldsver	3.2.2
date	2006-05-23T00:40:24
revision	2

sched_exp_time	50000.000000
ontime	50699.130468965
ontime2	50598.659383416
ontime3	50699.130468965
ontime5	50699.130468965
ontime6	50699.130449057
ontime7	50699.130468965
ontime8	50695.889468789
l1events	2030468

### 2.1.4 Events

	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	325243	294099	389888	319073	329306	372859
rejected events	290257	261040	182003	271763	151135	282546
rejected %	89%	88%	46%	85%	45%	75%

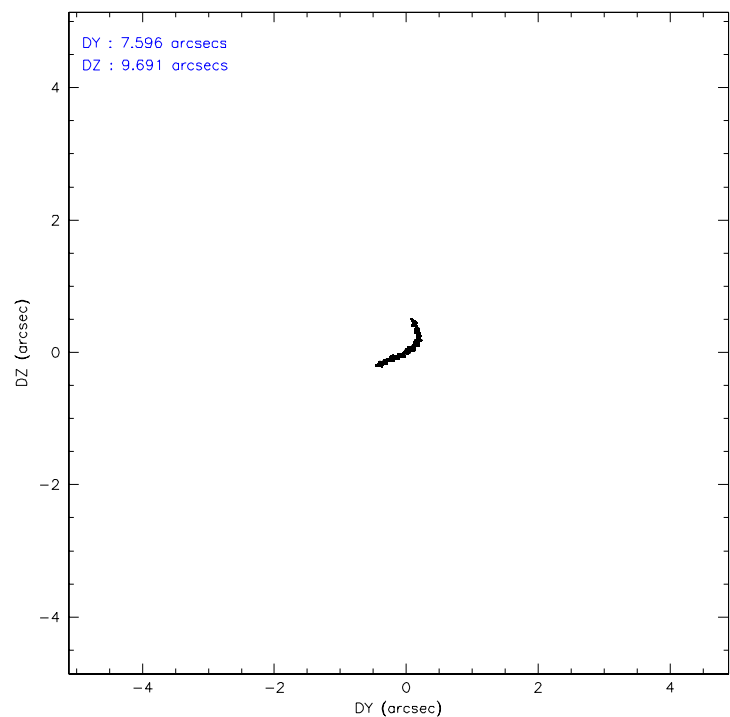
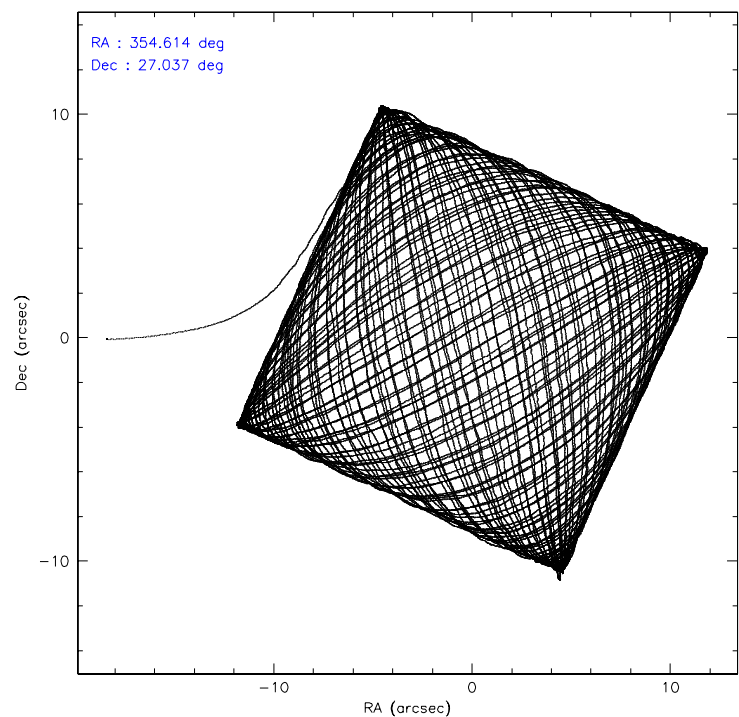
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	16121	15430	33310	25713	22150	28137
	4%	5%	8%	8%	6%	7%
grade 1 events	168	158	5473	226	165	272
	0%	0%	1%	0%	0%	0%
grade 2 events	7496	6201	64776	7992	48176	20691
	2%	2%	16%	2%	14%	5%
grade 3 events	3306	3394	5514	3918	13643	9419
	1%	1%	1%	1%	4%	2%
grade 4 events	3369	3268	5481	3861	13416	9026
	1%	1%	1%	1%	4%	2%
grade 5 events	8497	9638	19802	10040	22394	14857
	2%	3%	5%	3%	6%	3%
grade 6 events	5115	5064	101058	6259	82345	23863
	1%	1%	25%	1%	25%	6%
grade 7 events	281171	250946	154474	261064	127017	266594
	86%	85%	39%	81%	38%	71%

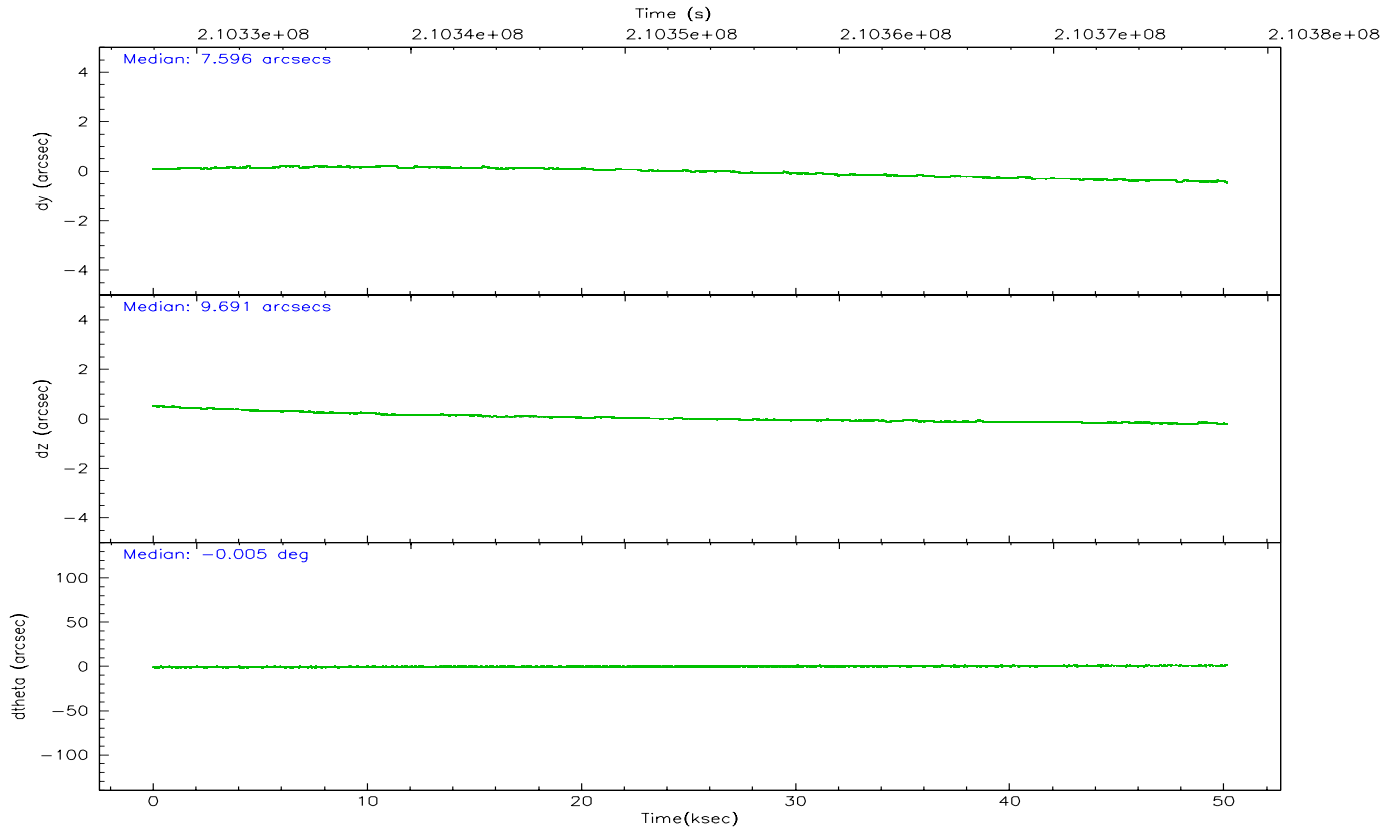
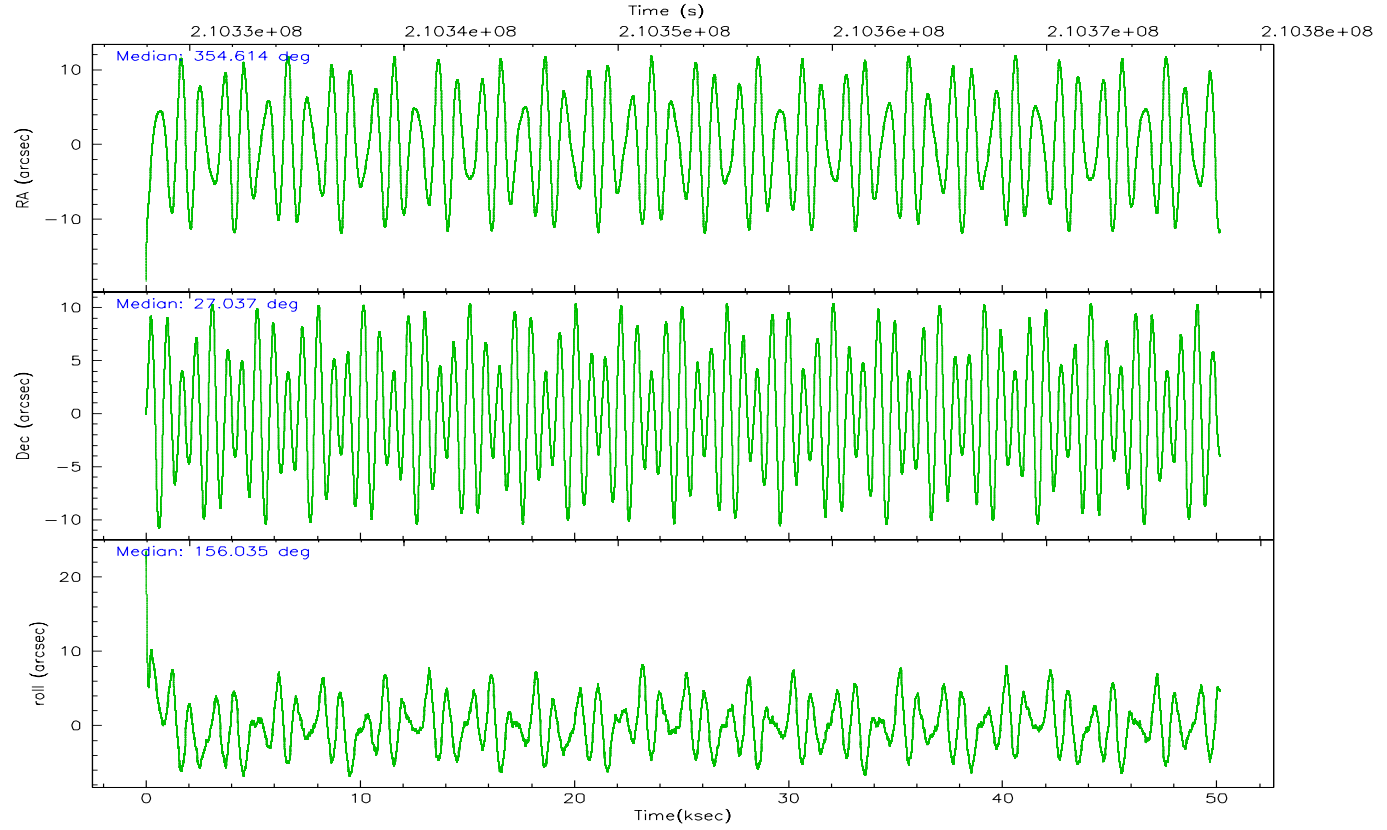


## 2.2 Compared Parameters

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	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	354.643869	354.6135147454538	Alternating exposures requested	N	N
Pointing Dec	27.040064	27.03682727755	Primary exposure time	0.000000	3.2
Pointing Roll	155.871612	156.0420420133648			
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	210328115.184000	210326785.98701			
Observation start date	2004-08-31T08:27:31	2004-08-31T08:06:25			
Observation end time	210378115.184000	210379663.68937			
Observation end date	2004-08-31T22:20:51	2004-08-31T22:47:43			
Read mode	TIMED	TIMED			

## 2.3 Aspect



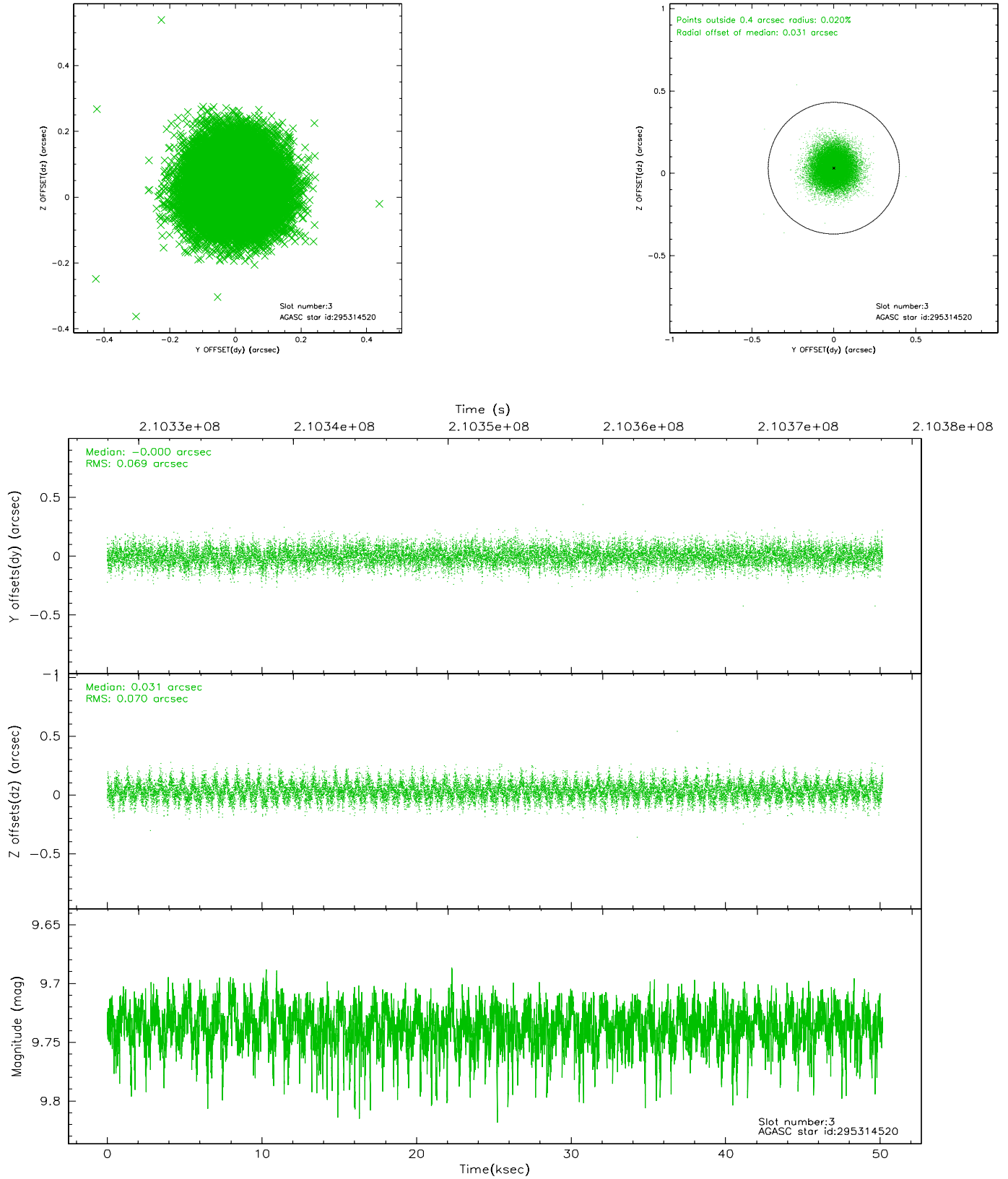


### Slot Statistics

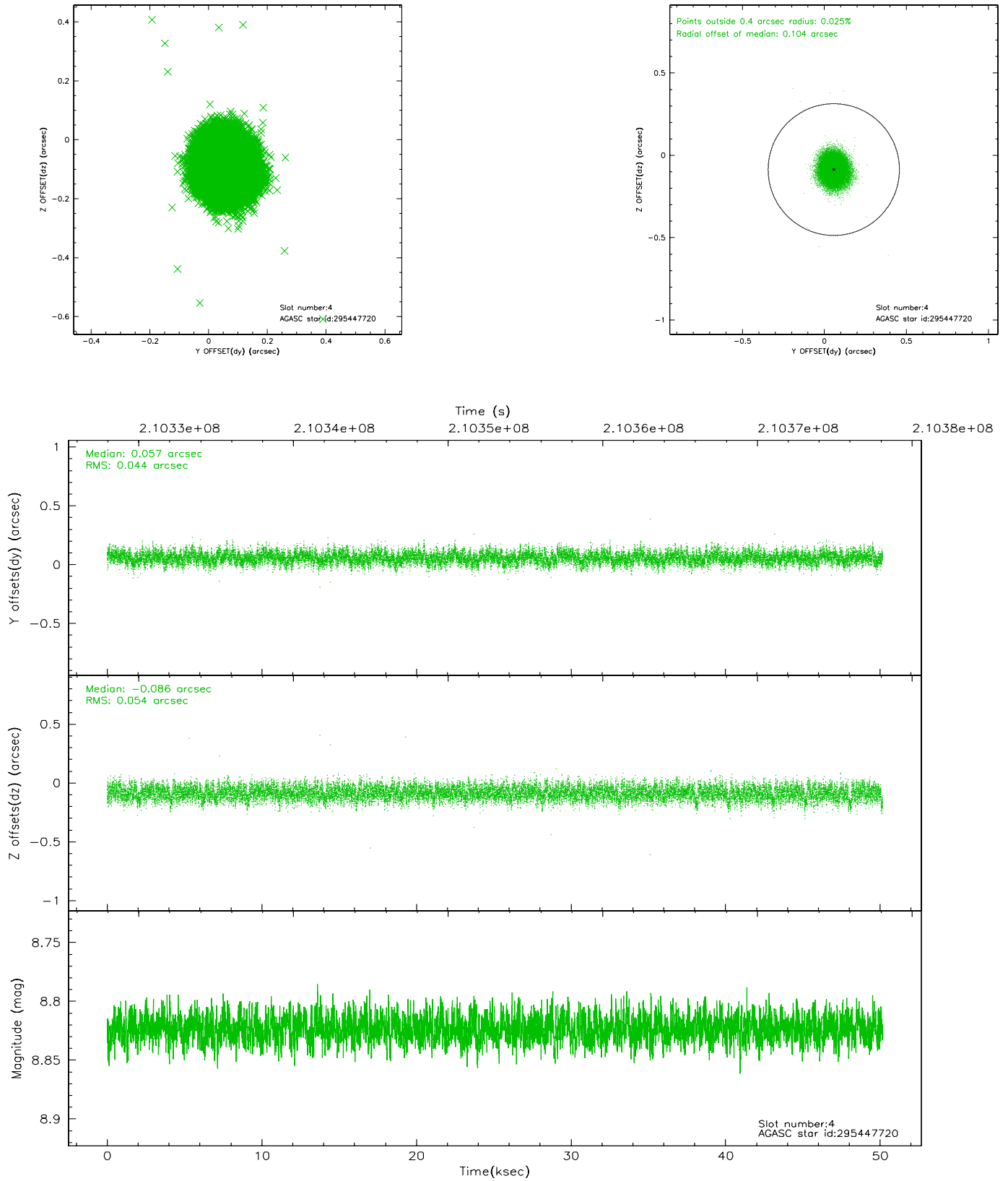
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	12235	-0.036	-0.011	0.007	0.012	0.000000	0.000000	-760.32	-1731.00
1	FID	ACIS-S-4	7.21	12236	0.062	0.020	0.008	0.014	0.000000	0.000000	2153.03	177.59
2	FID	ACIS-S-5	7.24	12235	-0.057	-0.000	0.009	0.014	0.000000	0.000000	-1813.24	171.14
3	GUIDE	295314520	9.74	24454	-0.000	0.031	0.105	0.169	353.926770	27.159779	2275.31	540.07
4	GUIDE	295447720	8.82	24460	0.057	-0.086	0.074	0.118	354.659000	27.493243	623.44	-1508.54
5	GUIDE	295837160	8.53	24468	-0.119	0.060	0.061	0.098	354.536687	27.587656	1118.45	-1659.14
6	GUIDE	295851160	6.56	24473	0.032	-0.007	0.061	0.099	355.004557	27.514971	-351.06	-2032.76
7	GUIDE	295311360	9.82	24448	0.025	0.004	0.125	0.205	353.703214	26.766818	2361.83	2123.92

## 2.4 Star Slots

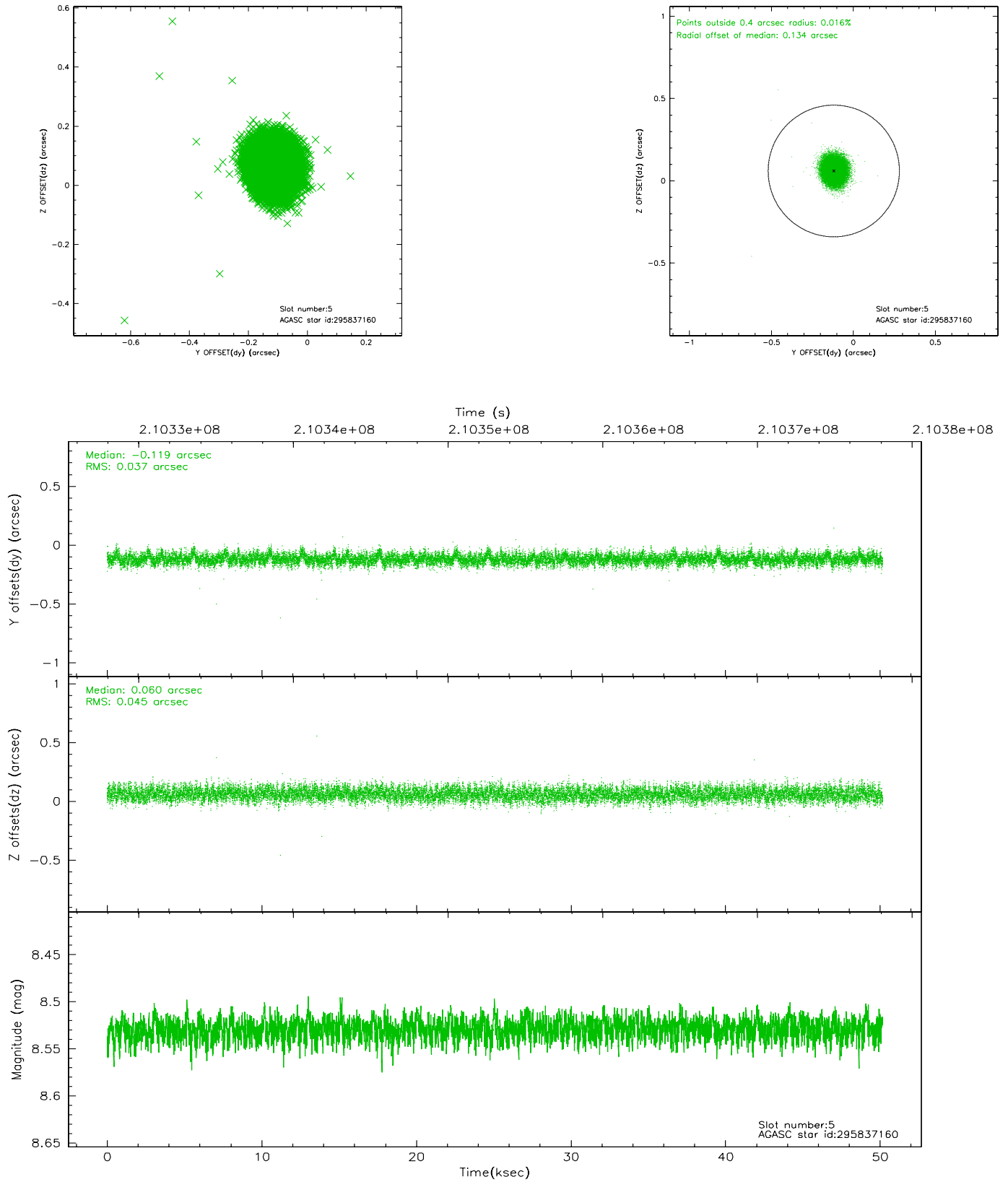
### 2.4.1 Slot 3



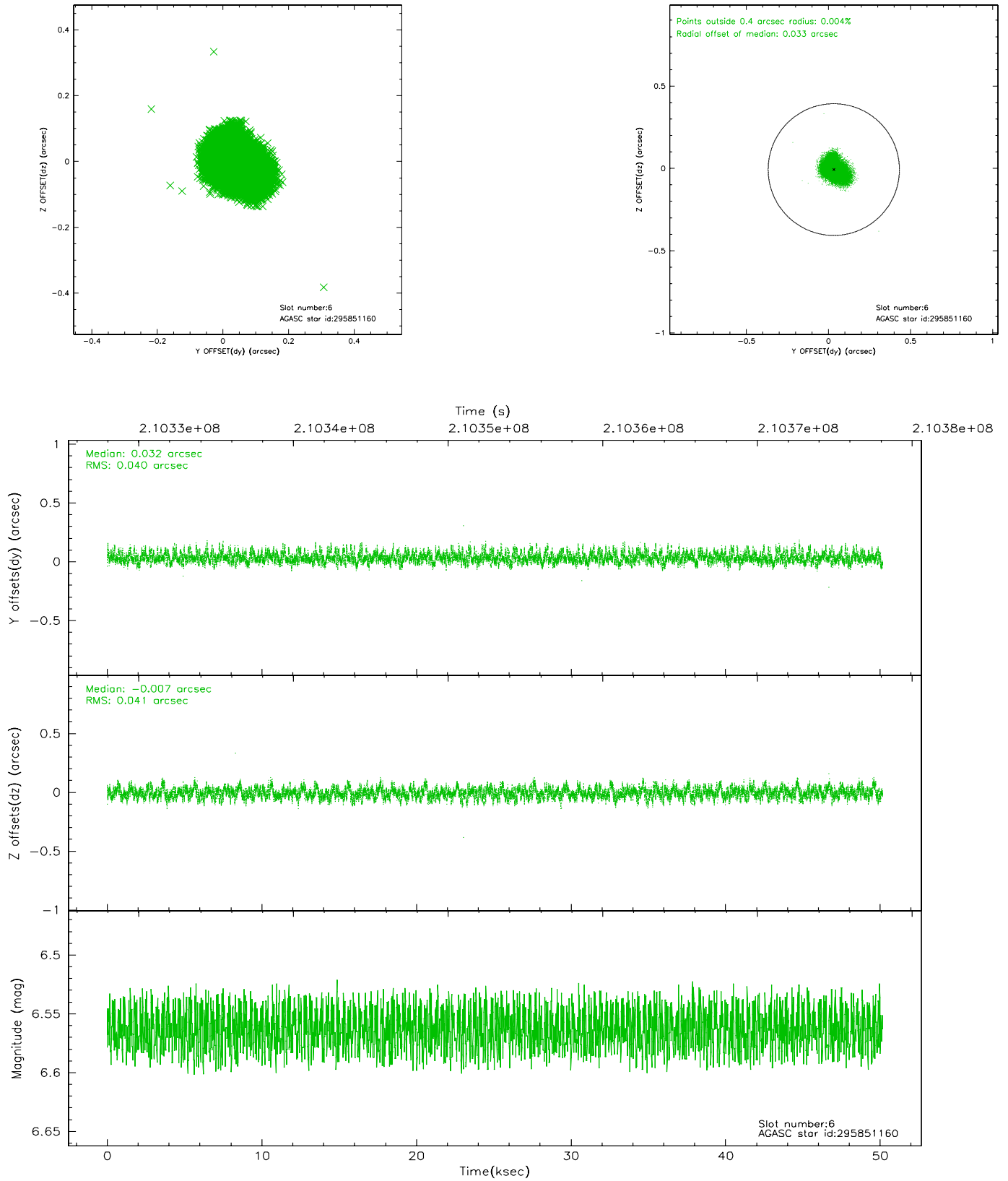
## 2.4.2 Slot 4



### 2.4.3 Slot 5

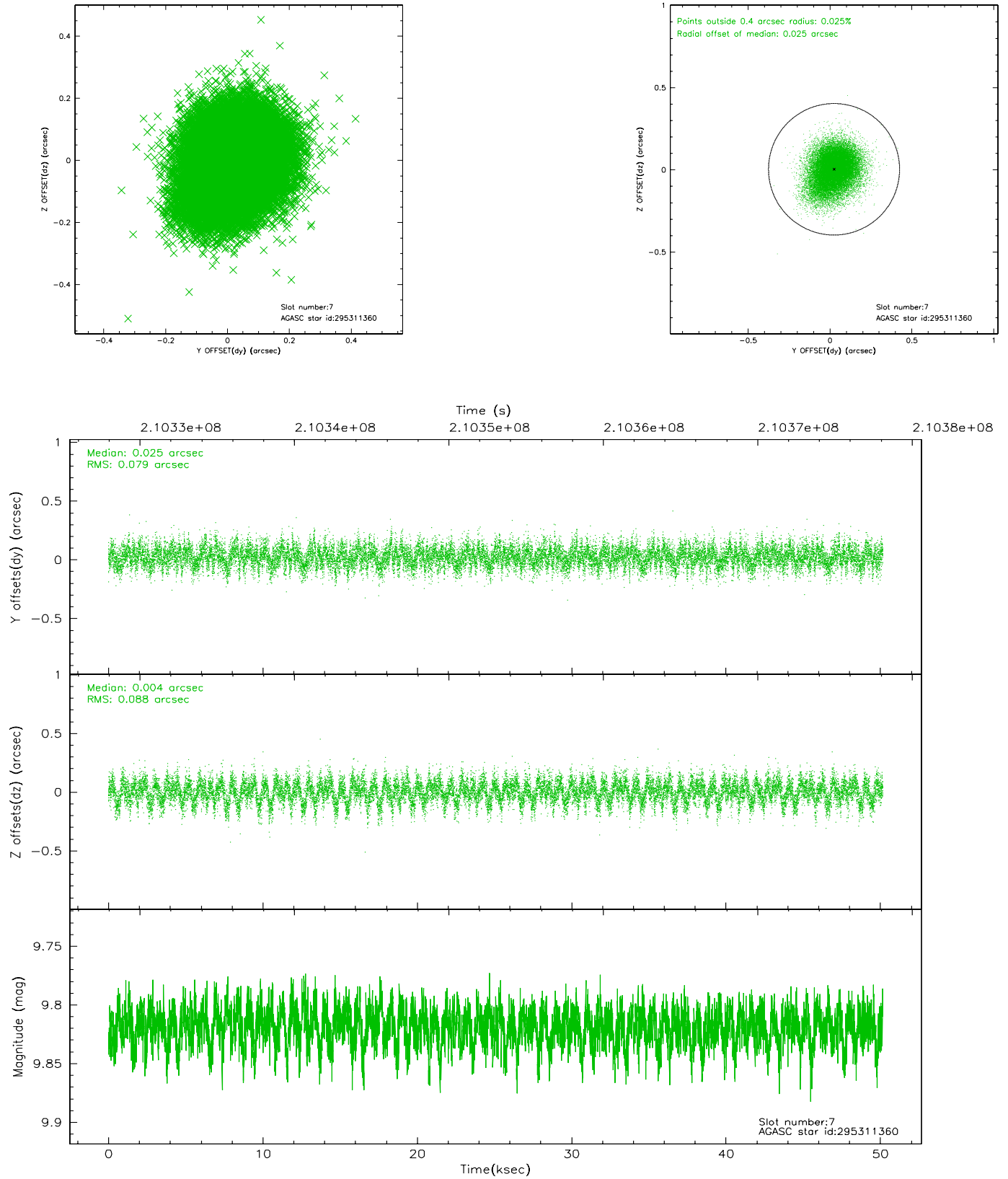


## 2.4.4 Slot 6



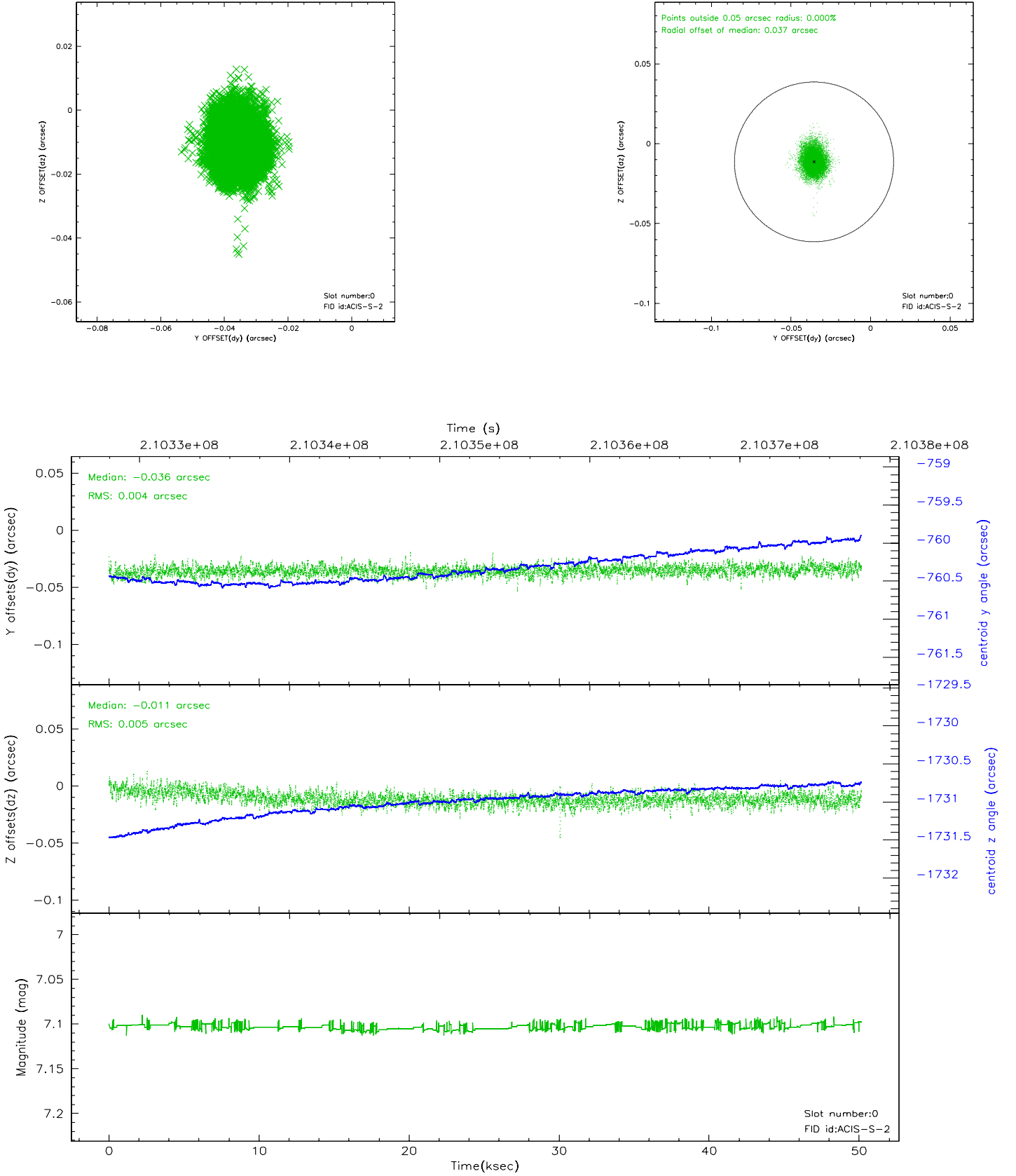


## 2.4.5 Slot 7

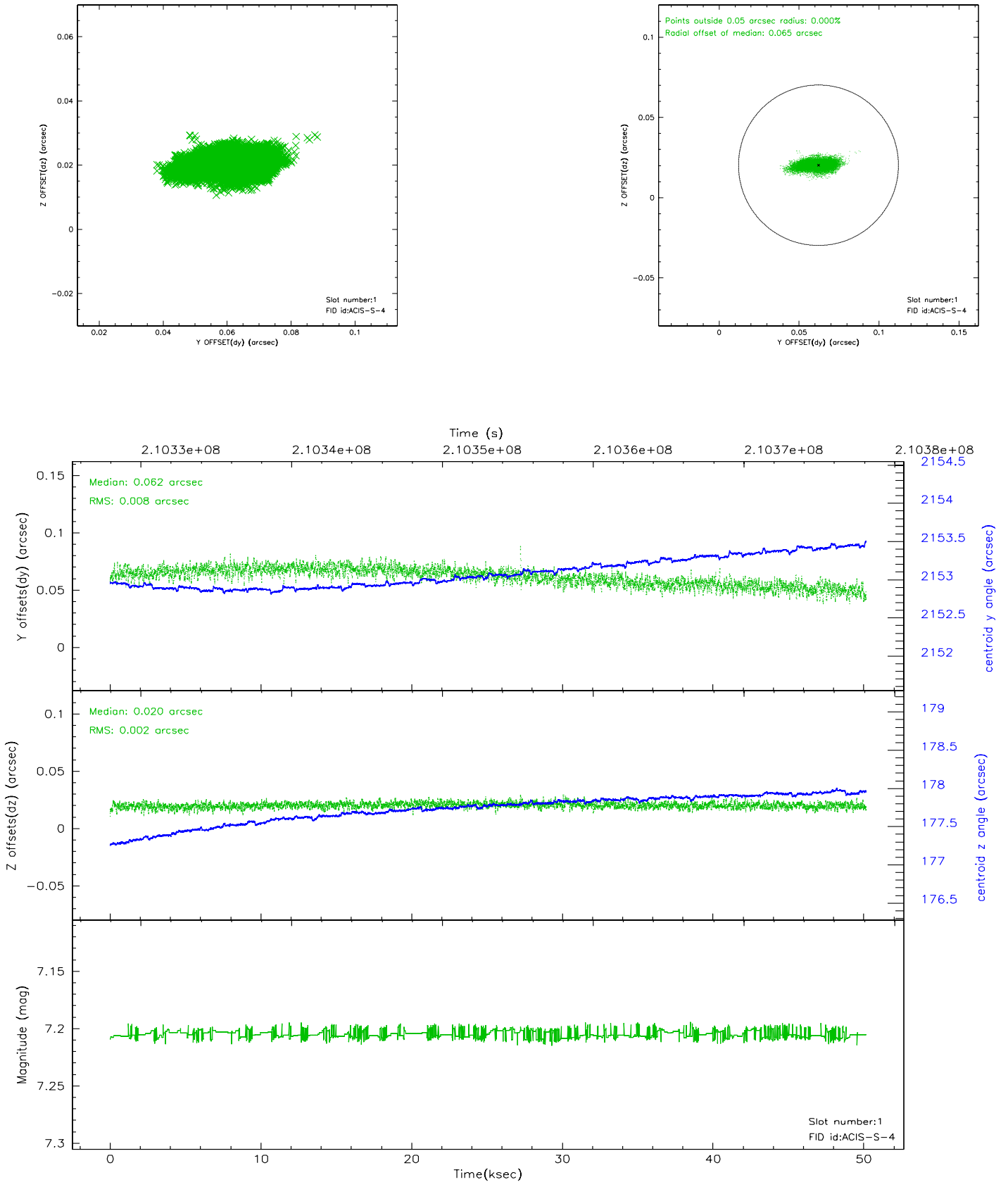


## 2.5 FID Slots

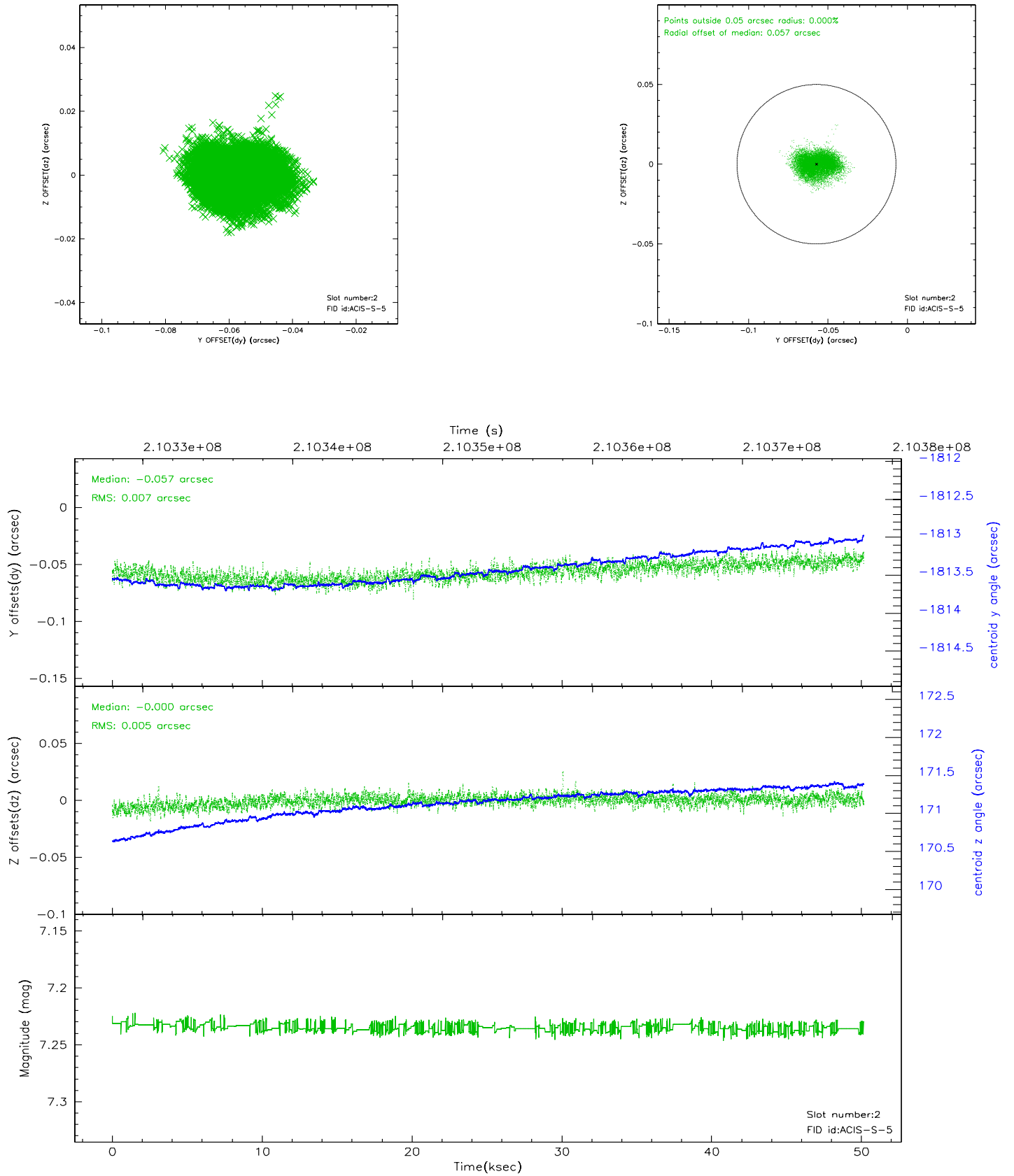
### 2.5.1 Slot 0



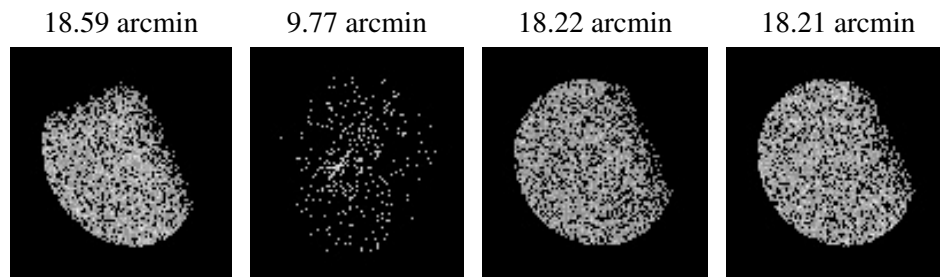
## 2.5.2 Slot 1



### 2.5.3 Slot 2



### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.05.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.163

### A.2 Comments