

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2697 - L2 Version 001  
Chandra X-Ray Center

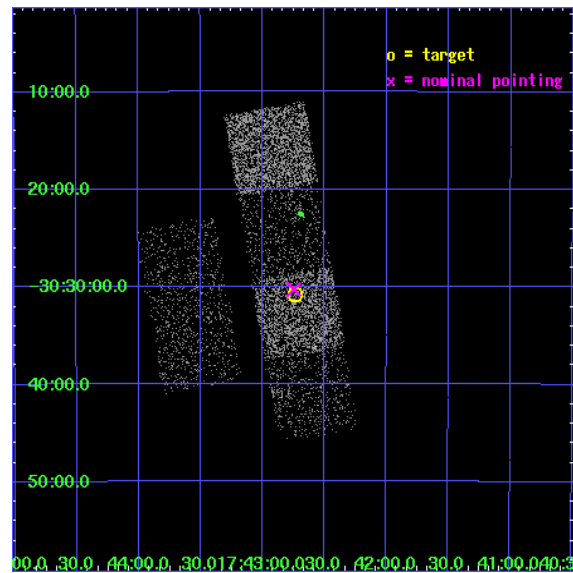
L2 Processing Date : Sep 14 2006

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# 1 Front

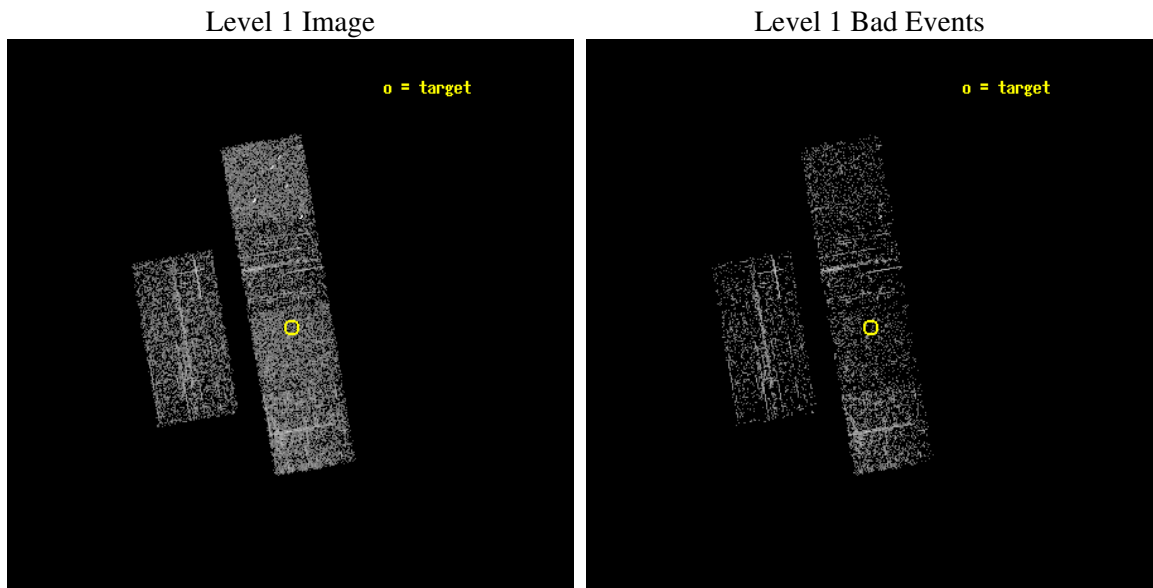
seq_num	400177
obs_id	2697
title	THE FAINTEST 'FIELD' LOW-MASS X-RAY BINARIES
observer	PROF MICHEL VAN DER KLIS
object	1739-304
dtcycle	0
cycle	P
ra_targ	265.683333
dec_targ	-30.514306
ra_nom	265.68688038594
dec_nom	-30.504762195492
roll_nom	80.378197085776
revision	2
ontime	751.99999719858
livetime	742.47772043402
ontime2	751.99999719858
ontime3	751.99999719858
ontime5	751.99999719858
ontime6	751.99999719858
ontime7	751.99999719858
ontime8	748.75902694464
l2events	7790



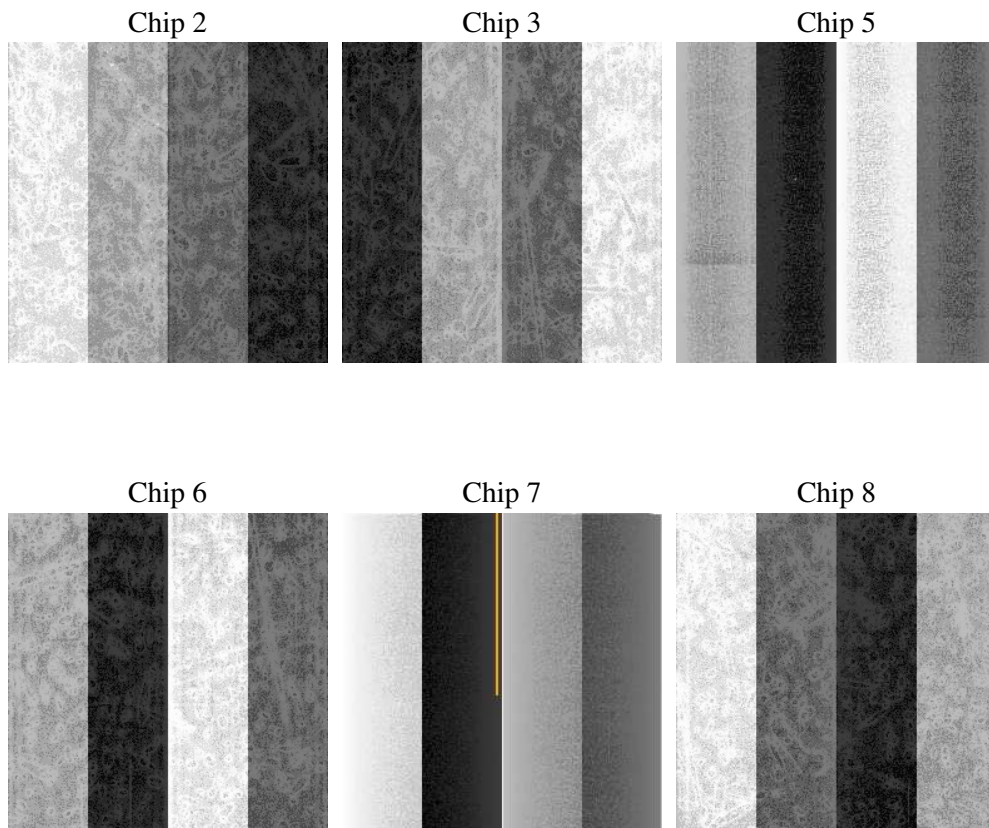
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.3
date	2006-09-15T01:21:45
revision	2

sched_exp_time	1000.000000
ontime	758.39508065581
ontime2	758.39506074786
ontime3	758.39506074786
ontime5	758.39508065581
ontime6	758.39506074786
ontime7	758.39508065581
ontime8	755.15400081873
l1events	38622

### 2.1.4 Events

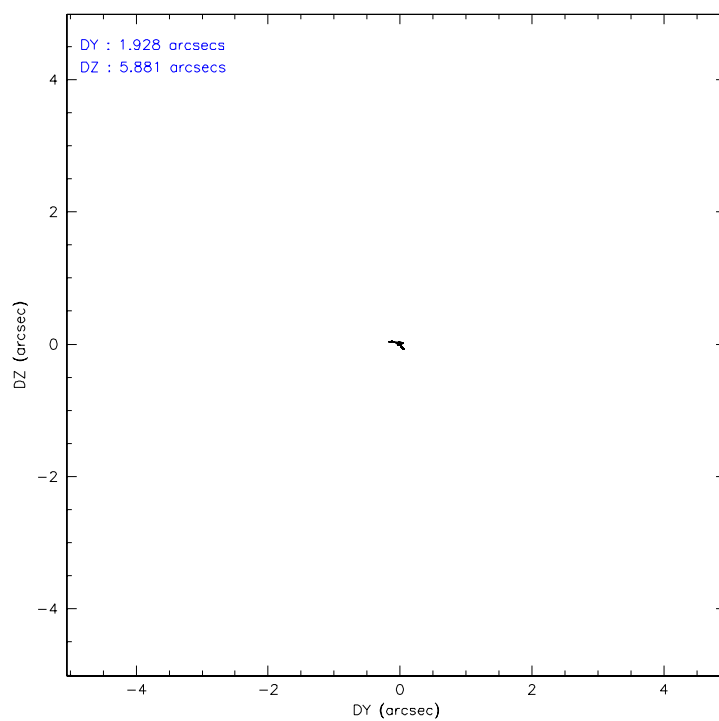
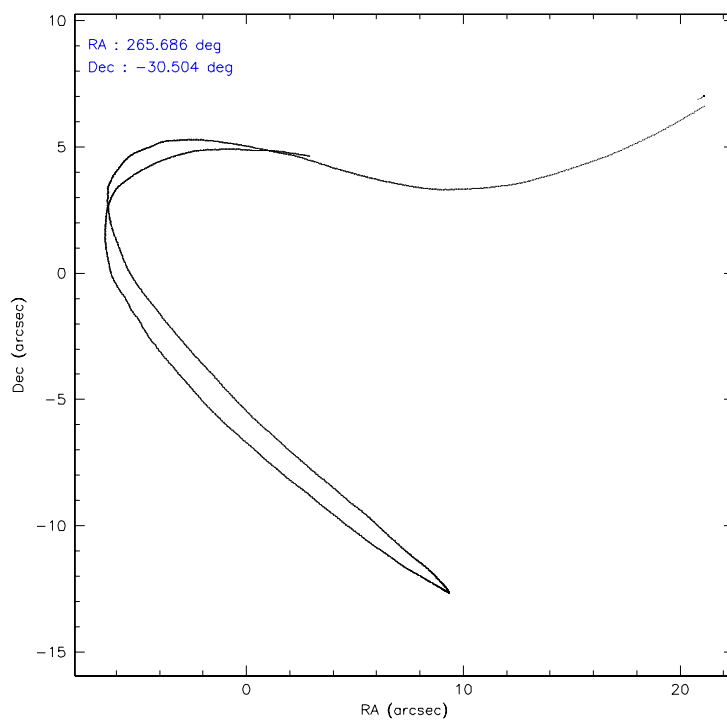
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	5019	5148	7799	5435	6610	8611
rejected events	4446	4527	4083	4717	4011	7483
rejected %	88%	87%	52%	86%	60%	86%

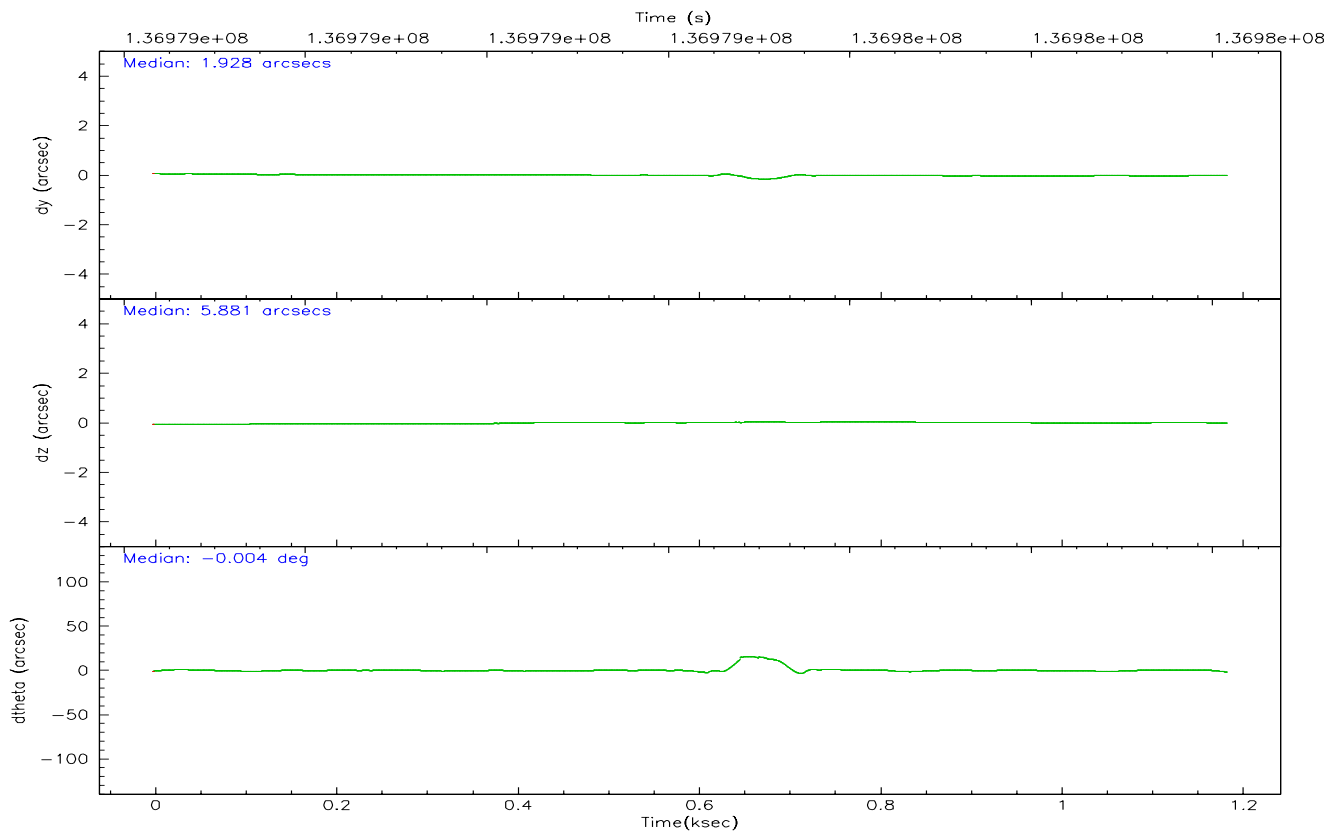
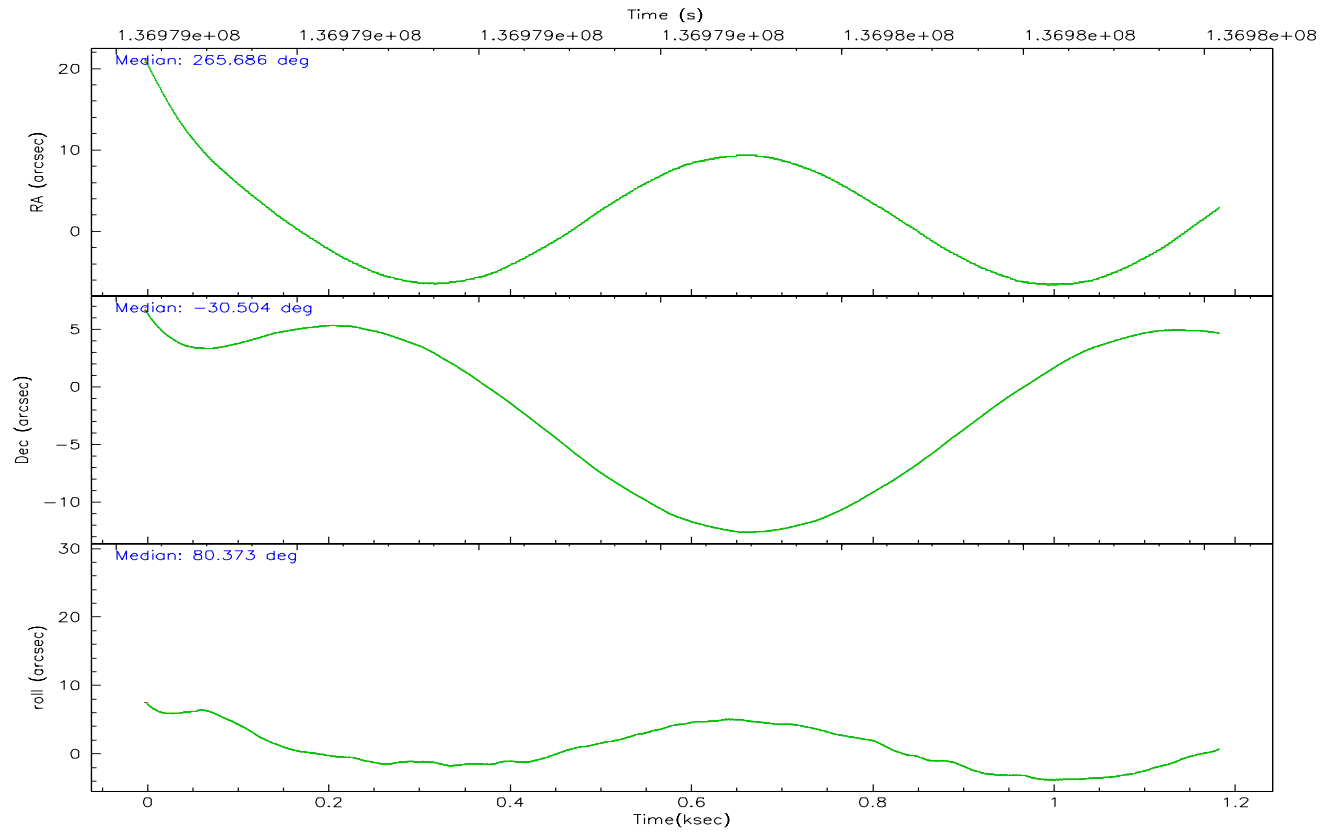
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	240	266	538	324	175	407
	4%	5%	6%	5%	2%	4%
grade 1 events	4	4	13	3	4	3
	0%	0%	0%	0%	0%	0%
grade 2 events	117	132	1046	134	587	227
	2%	2%	13%	2%	8%	2%
grade 3 events	52	59	103	53	141	124
	1%	1%	1%	0%	2%	1%
grade 4 events	54	55	81	74	158	105
	1%	1%	1%	1%	2%	1%
grade 5 events	159	197	394	203	433	235
	3%	3%	5%	3%	6%	2%
grade 6 events	117	114	1973	137	1559	267
	2%	2%	25%	2%	23%	3%
grade 7 events	4276	4321	3651	4507	3553	7243
	85%	83%	46%	82%	53%	84%

## 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	265.698532	265.6868803859401	Subarray requested	NONE	NONE
Pointing Dec	-30.530601	-30.50476219549204	Alternating exposures requested	N	N
Pointing Roll	80.227496	80.37819708577554	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	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	136979015.184000	136978141.09663			
Observation start date	2002-05-05T09:42:31	2002-05-05T09:29:01			
Observation end time	136980015.184000	136980953.18425			
Observation end date	2002-05-05T09:59:11	2002-05-05T10:15:53			
Read mode	TIMED	TIMED			

## 2.3 Aspect





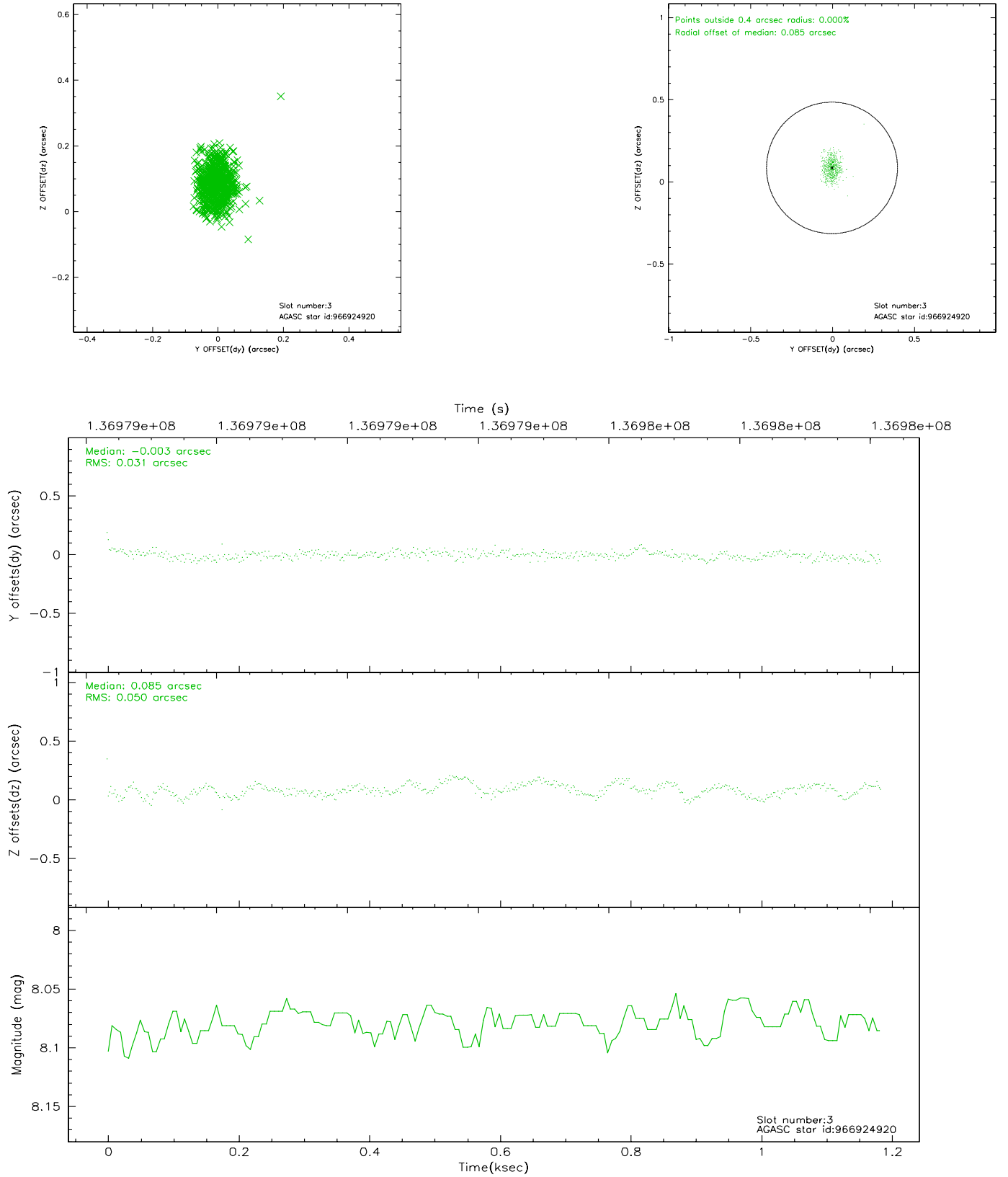
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-3	7.36	285	-0.059	-0.026	0.007	0.031	0.000000	0.000000	58.59	-1856.04
1	FID	ACIS-S-5	7.25	290	0.056	-0.035	0.007	0.048	0.000000	0.000000	-1807.33	168.75
2	FID	ACIS-S-6	7.36	283	-0.020	0.070	0.006	0.026	0.000000	0.000000	400.84	819.57
3	GUIDE	966924920	8.08	578	-0.003	0.085	0.060	0.102	265.875401	-30.176961	1346.51	-327.85
4	GUIDE	966925512	8.28	579	0.028	0.186	0.071	0.108	266.373606	-31.056700	-1517.97	-2376.42
5	GUIDE	966923376	8.73	579	0.023	0.184	0.075	0.122	266.333558	-31.111316	-1737.10	-2290.44
6	GUIDE	966787648	8.88	578	-0.129	-0.136	0.090	0.152	265.297931	-30.077843	1387.88	1500.56
7	GUIDE	966793072	9.12	578	0.086	-0.322	0.087	0.149	264.914127	-30.893007	-1704.31	2165.72

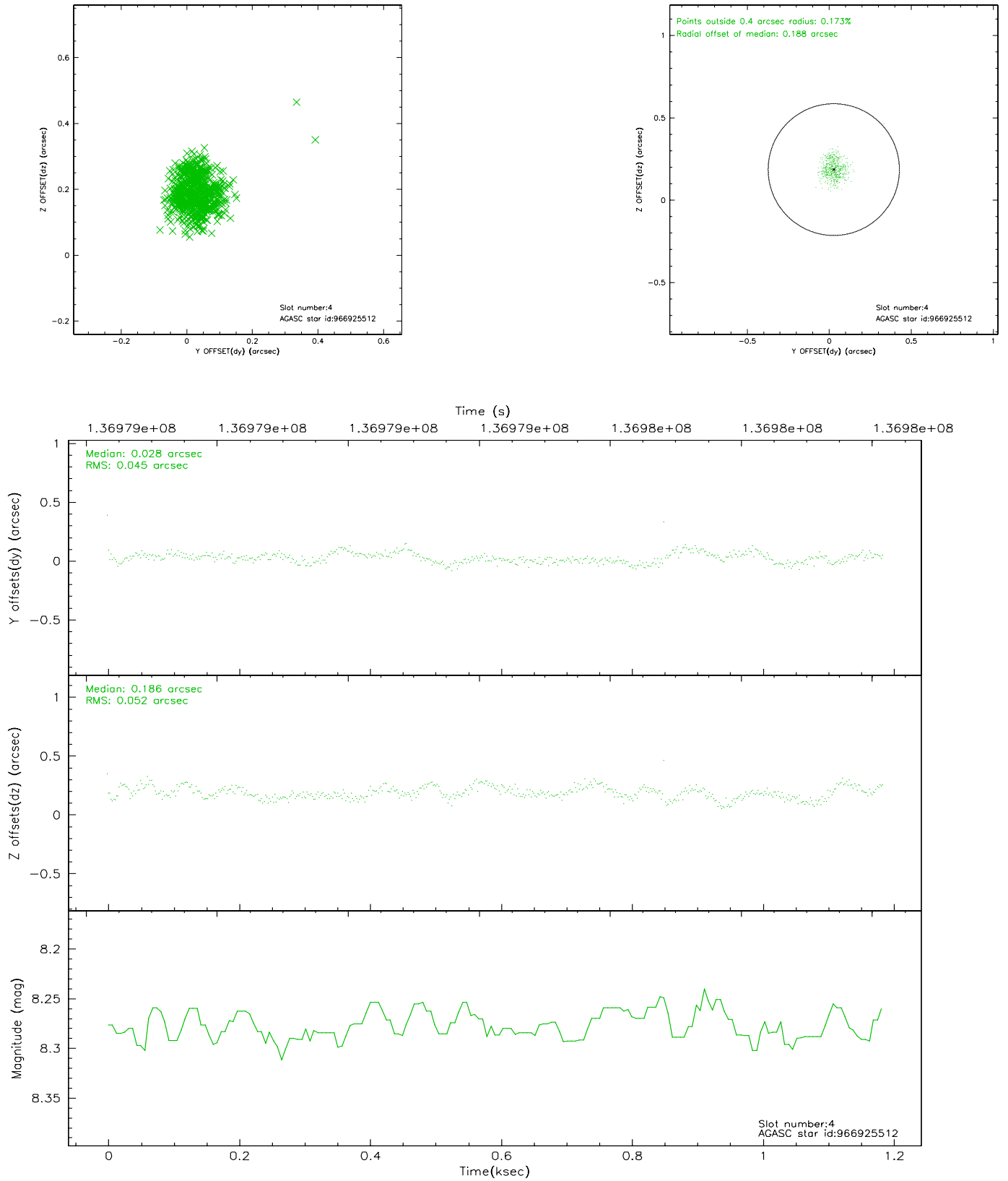


## 2.4 Star Slots

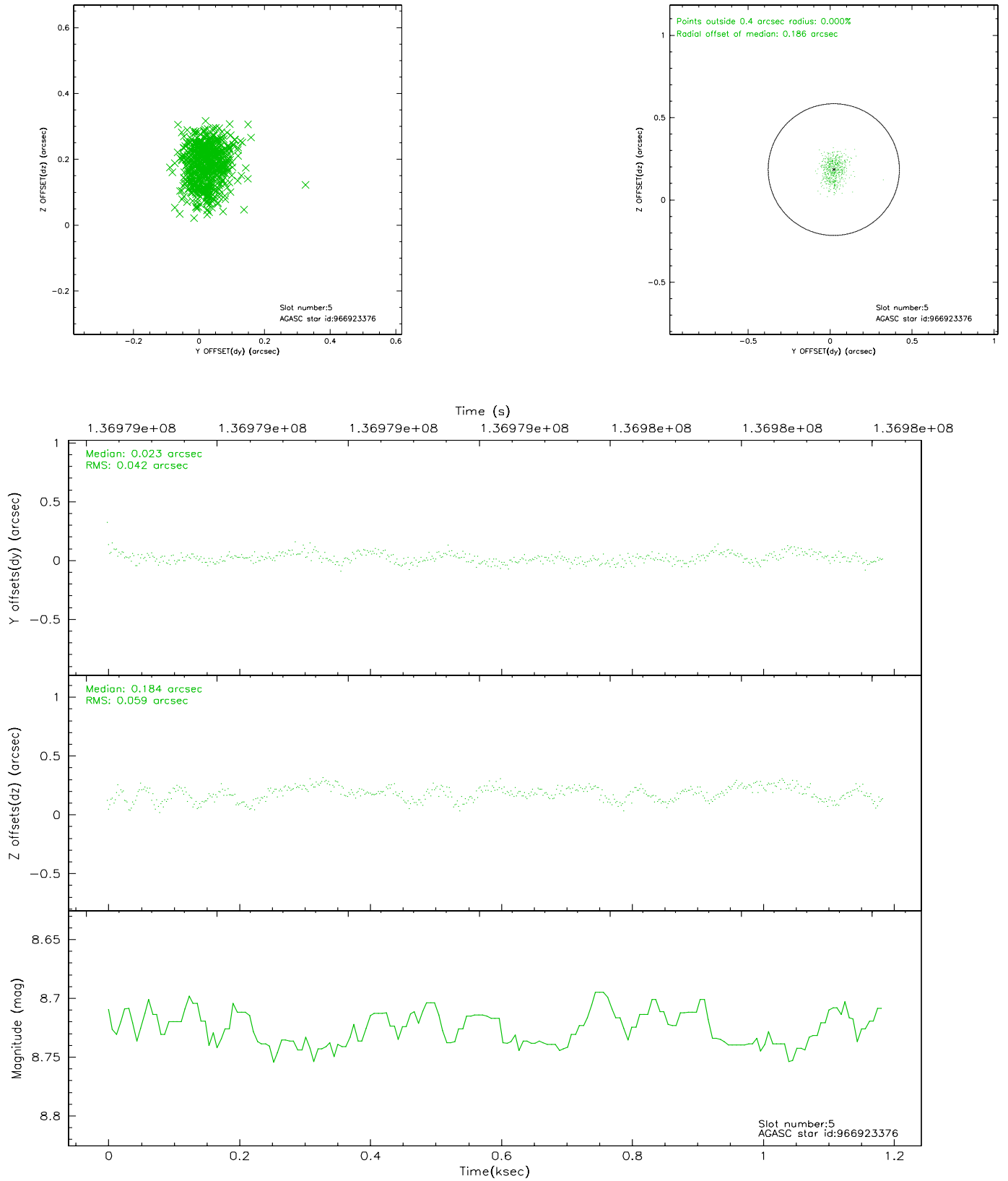
### 2.4.1 Slot 3



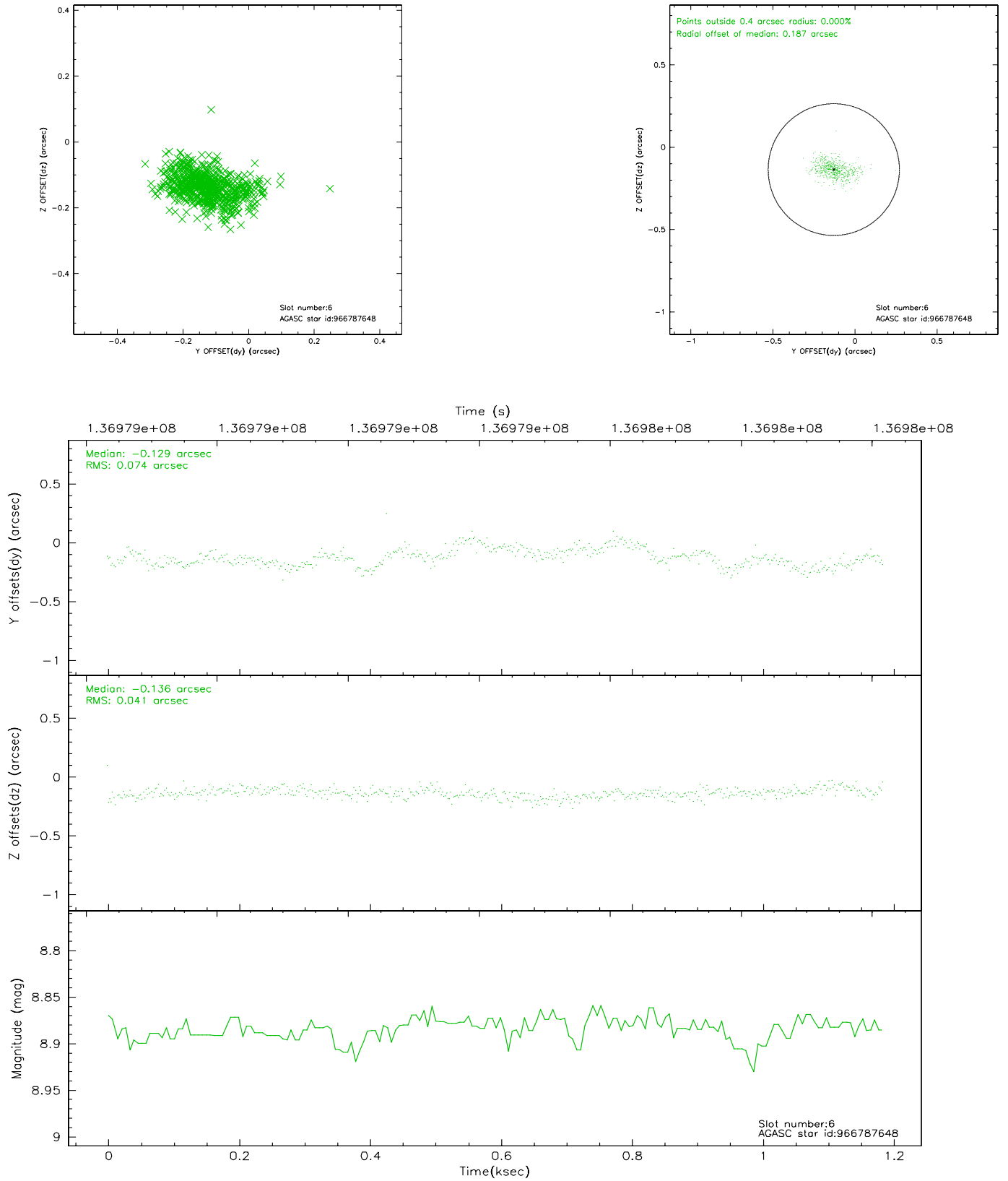
## 2.4.2 Slot 4



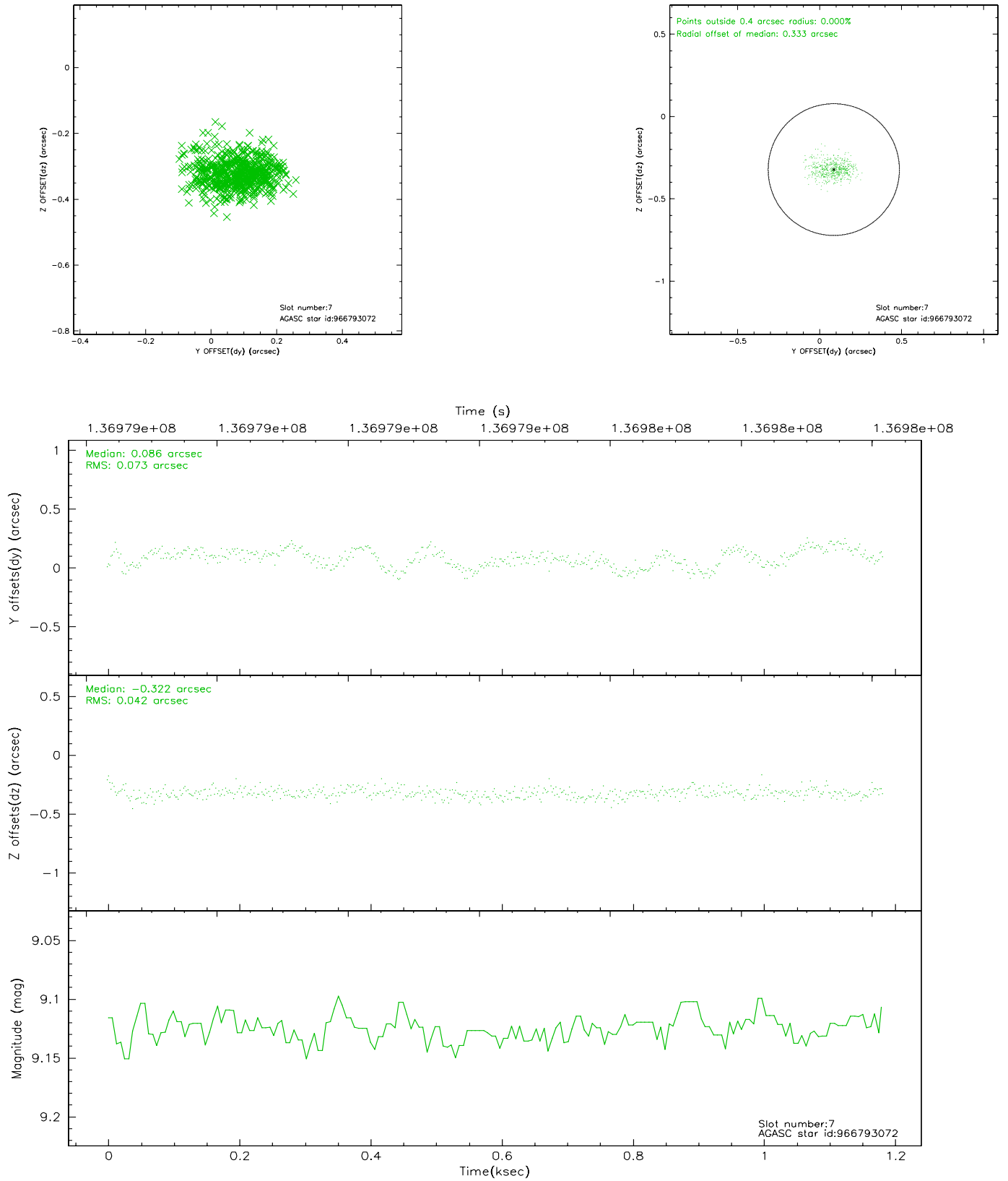
### 2.4.3 Slot 5



## 2.4.4 Slot 6

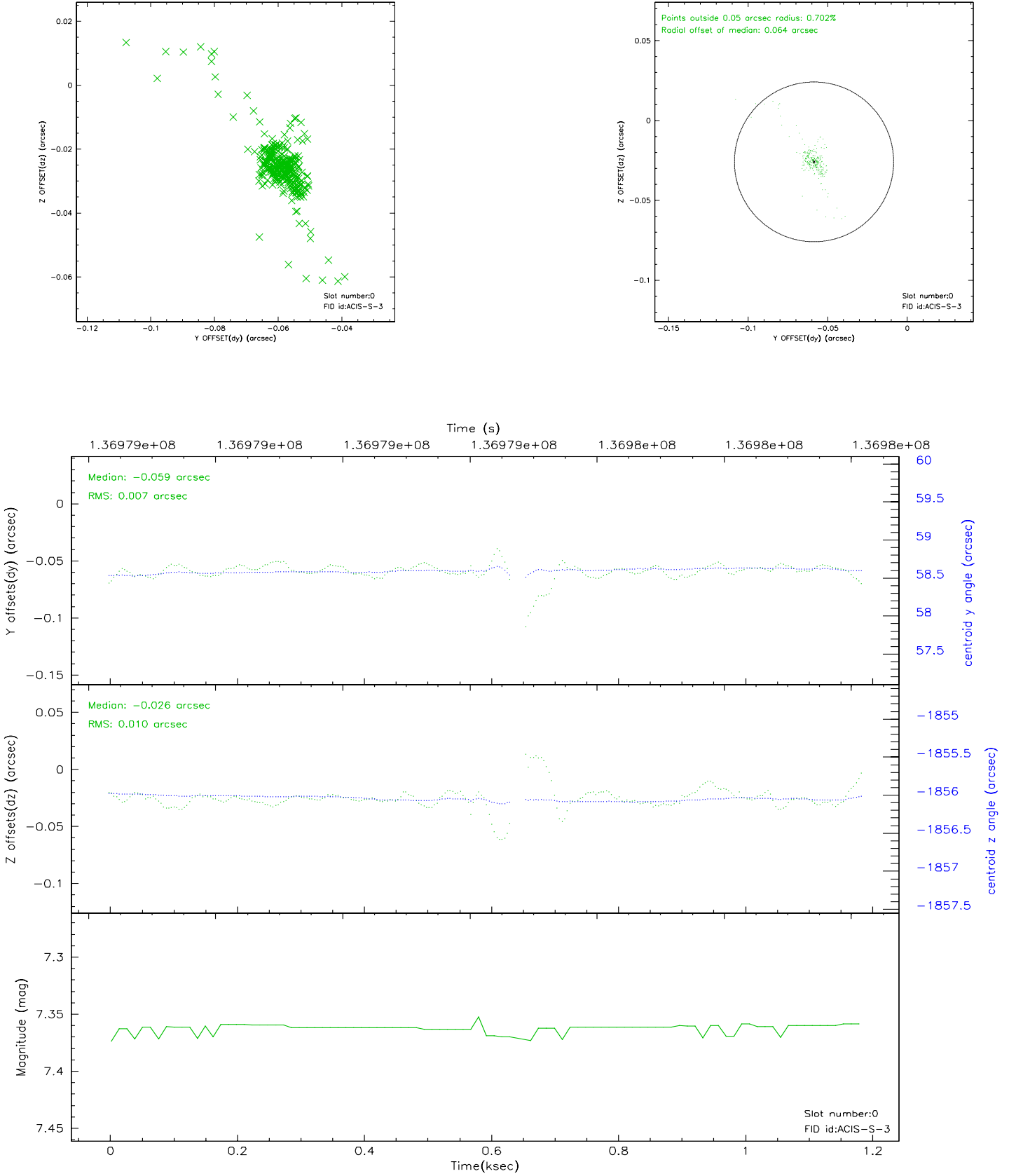


## 2.4.5 Slot 7

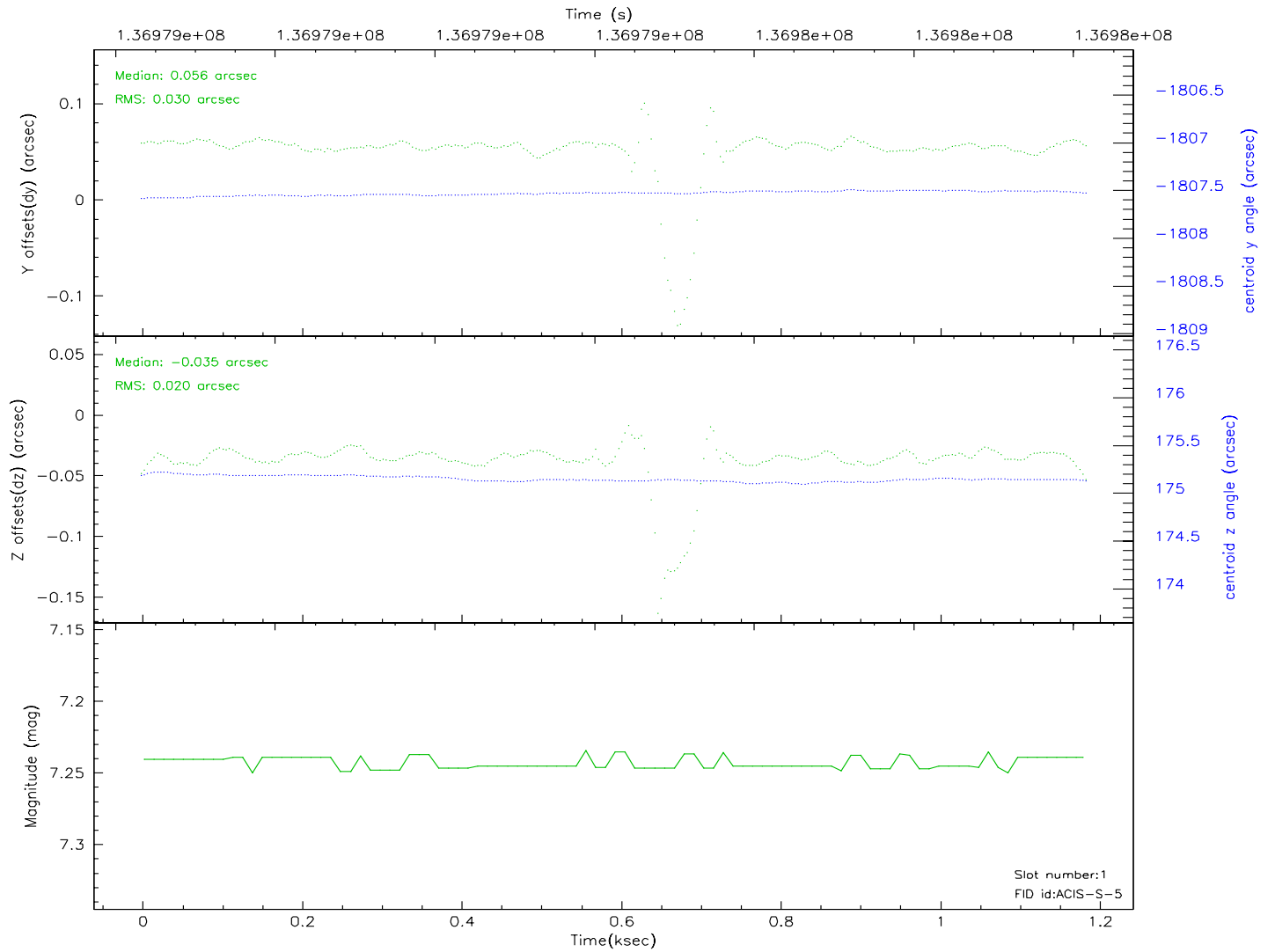
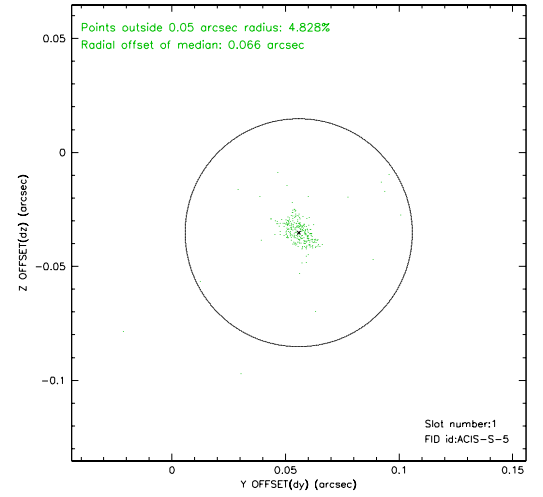
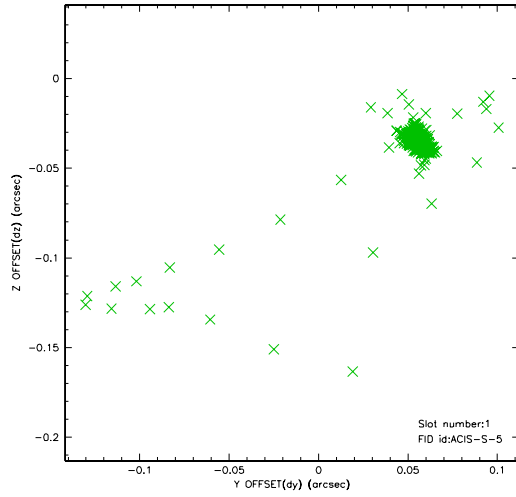


## 2.5 FID Slots

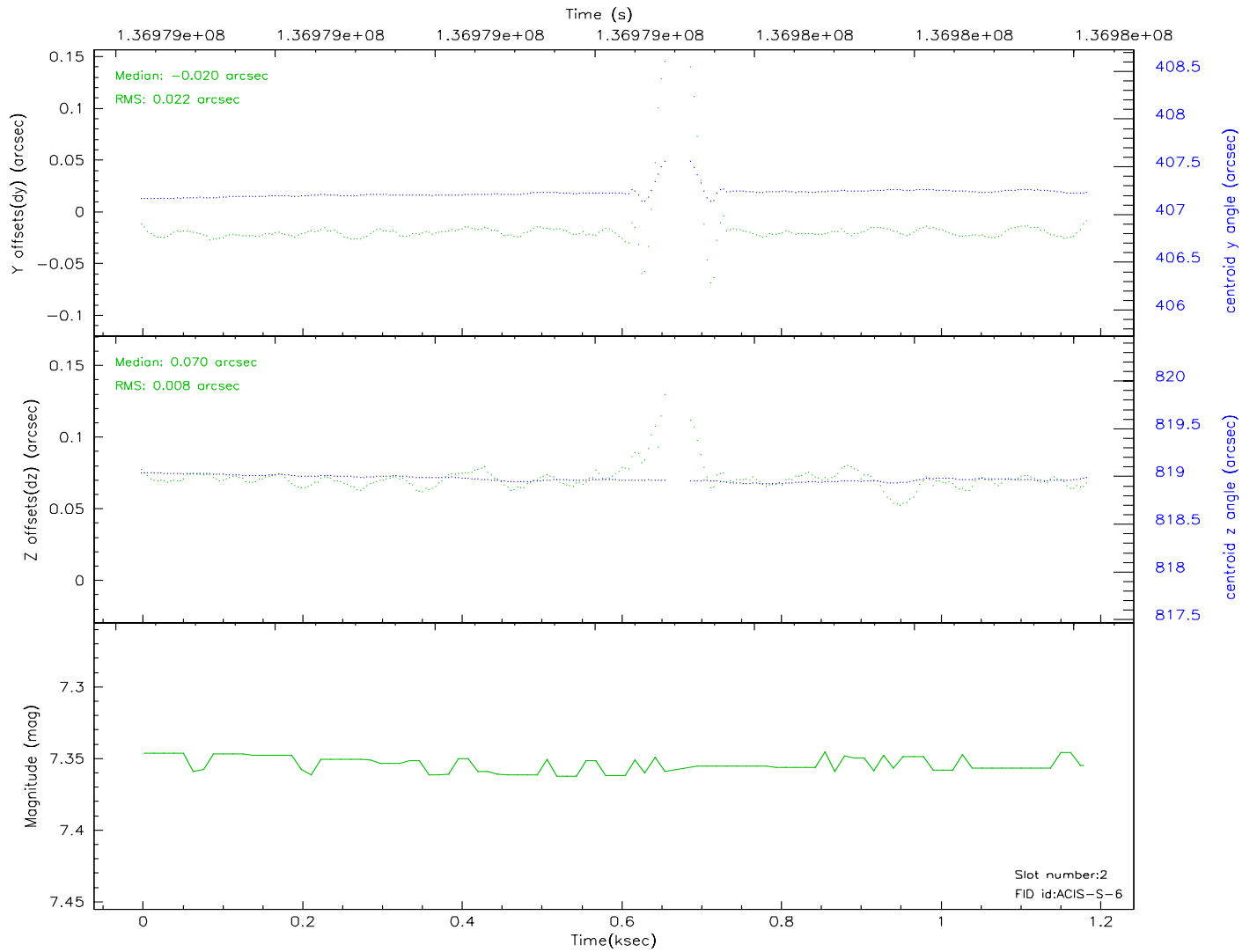
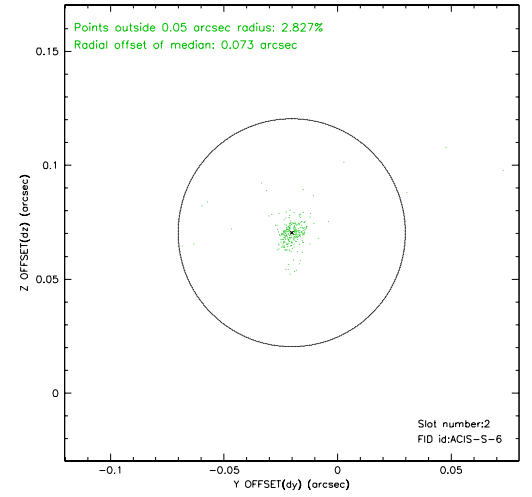
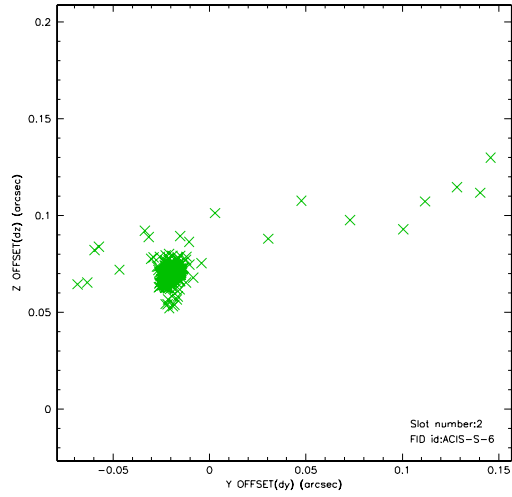
### 2.5.1 Slot 0



## 2.5.2 Slot 1



## 2.5.3 Slot 2





### 3 Point Sources

7.71 arcmin



# A Summary

## A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.755

## A.2 Comments

A temperature glitch occurred mid-way through that affected the fid lights but not the guide stars. The glitch did not cause the shortened observation.