

# V&V Reference Report

## L2 ASCDS Version : 7.6.9

Observation 2120 - L2 Version 001  
Chandra X-Ray Center

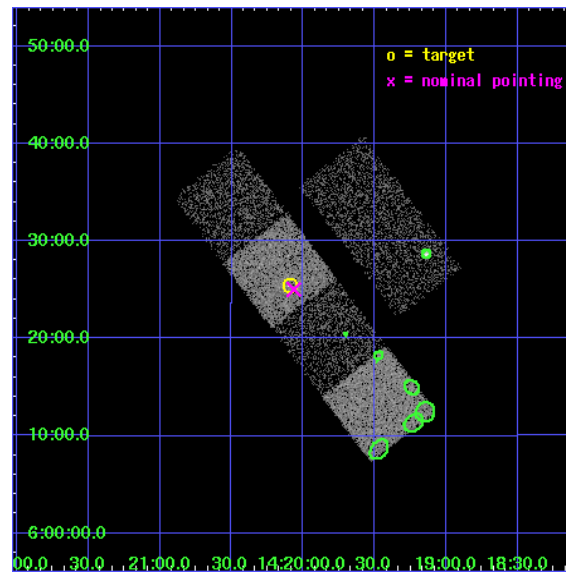
L2 Processing Date : Nov 27 2006

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# 1 Front

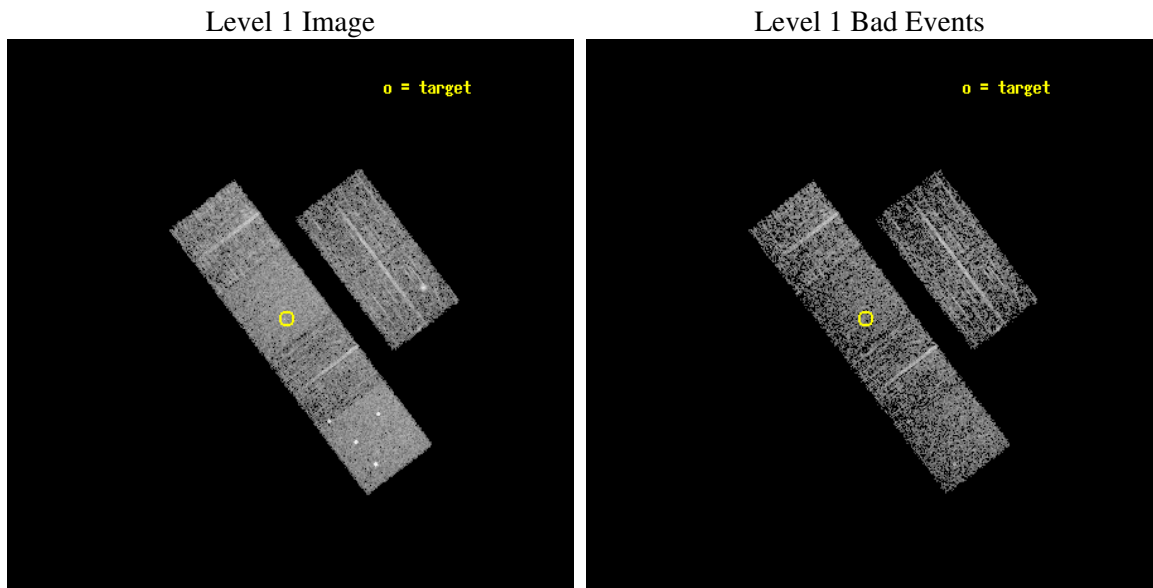
seq_num	700310
obs_id	2120
title	UNDERSTANDING THE NATURE OF ROSAT BFS
observer	DR. ILARIA CAGNONI
object	1WGA_J1420.0+0625
dtcycle	0
cycle	P
ra_targ	215.023333
dec_targ	6.423611
ra_nom	215.01615112111
dec_nom	6.4170860749069
roll_nom	232.87011537091
revision	2
ontime	2988.8000027835
livetime	2950.954017509
ontime2	2988.8000027835
ontime3	2988.8000027835
ontime5	2988.8000027835
ontime6	2988.8000027835
ontime7	2988.8000027835
ontime8	2988.8000027835
l2events	29653



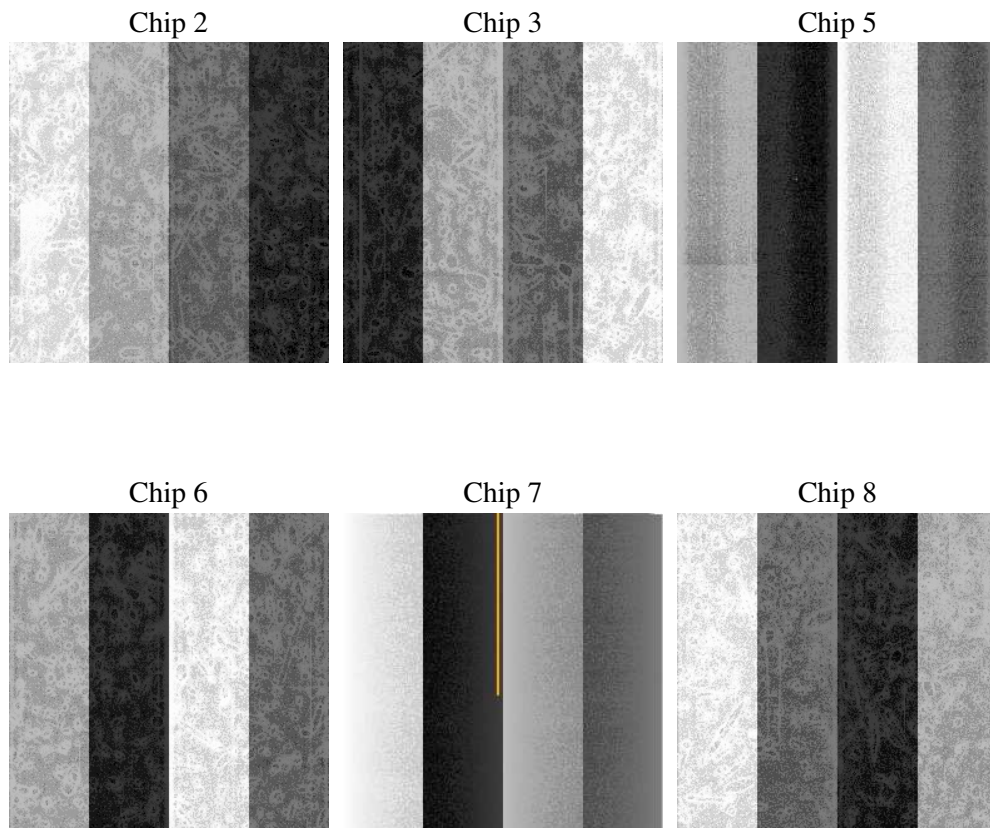
## 2 OBI

### 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	2006-11-28T03:30:28
revision	2

sched_exp_time	3040.000000
ontime	2994.684586823
ontime2	2994.684566915
ontime3	2997.9255769849
ontime5	2994.684586823
ontime6	2994.684586823
ontime7	2994.684586823
ontime8	2997.9255769849
l1events	138119

### 2.1.4 Events

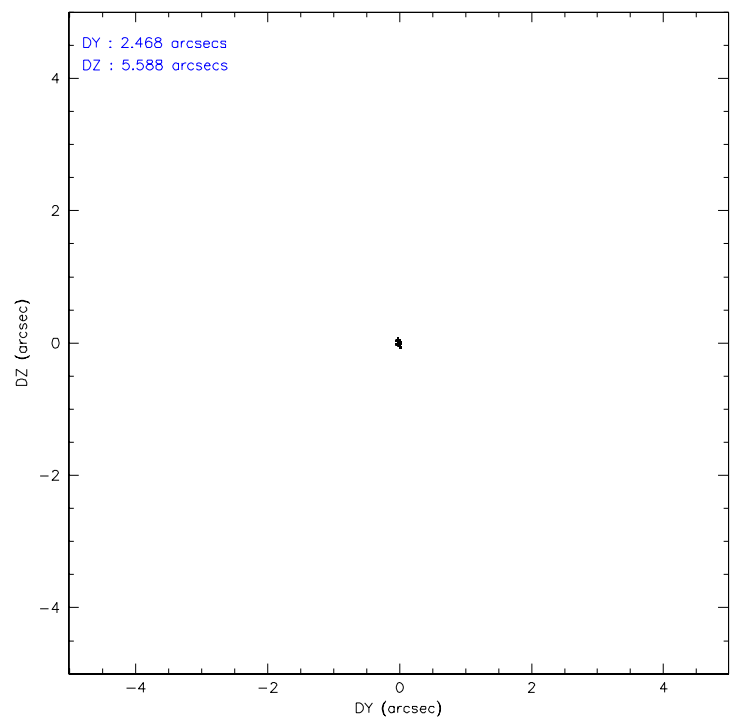
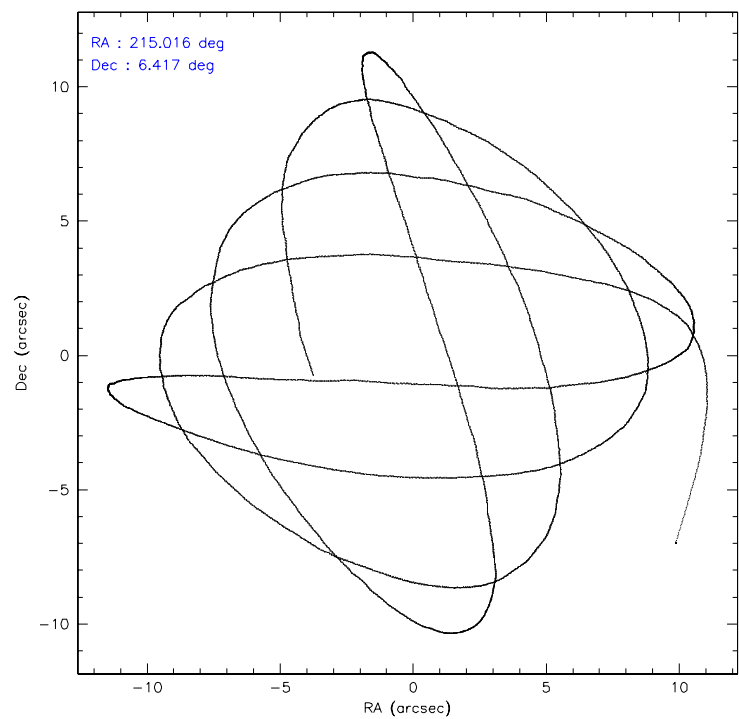
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	20841	18645	28922	19460	25268	24983
rejected events	18020	16456	15315	17067	15296	19993
rejected %	86%	88%	52%	87%	60%	80%

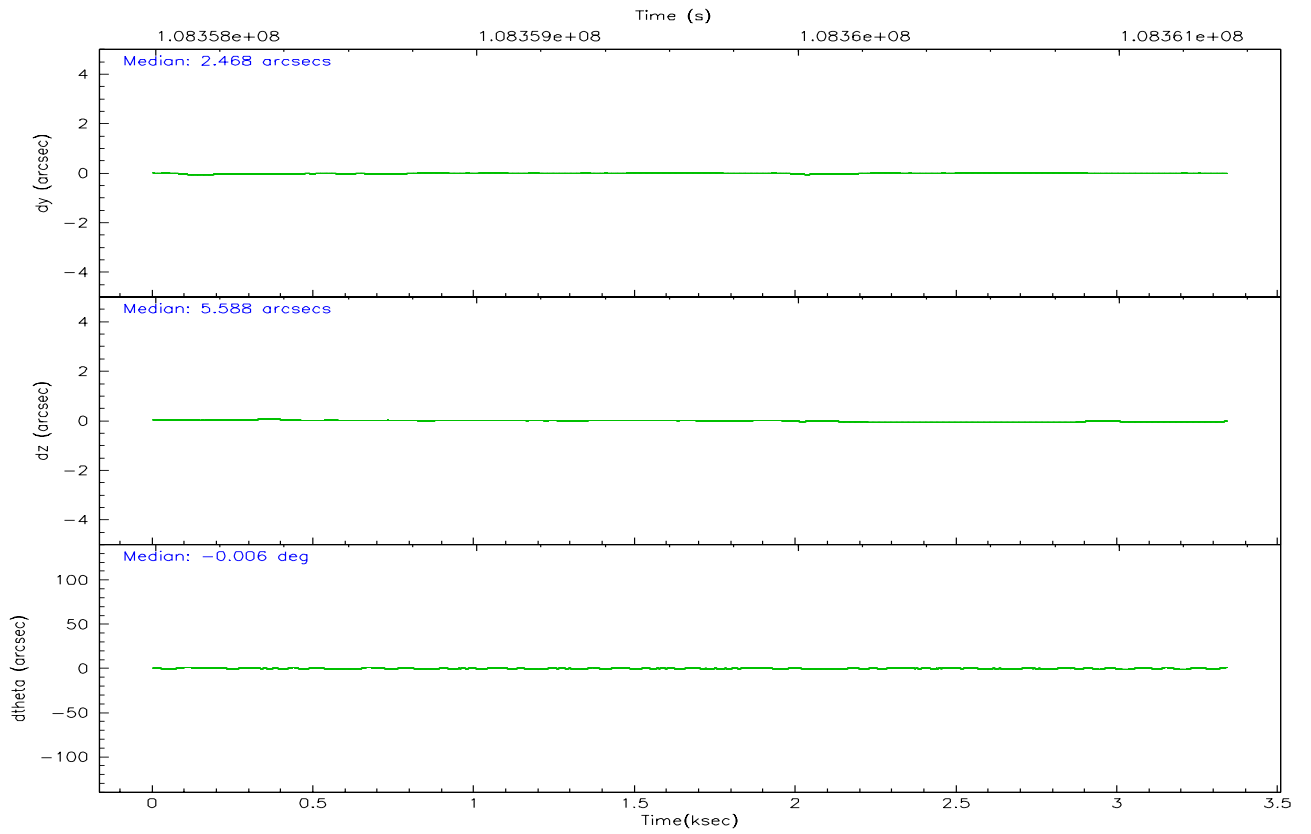
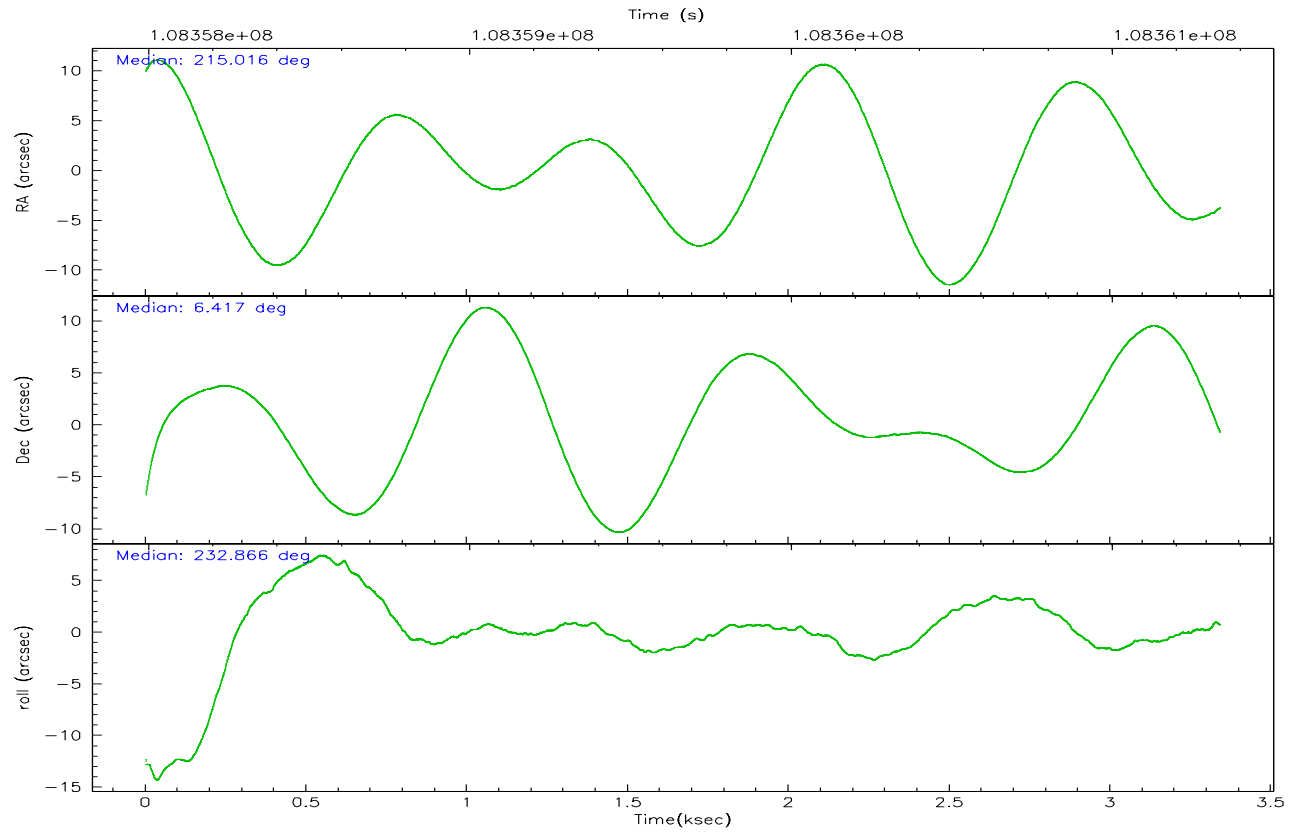
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1435	957	2233	1019	703	1750
	6%	5%	7%	5%	2%	7%
grade 1 events	18	6	113	9	10	16
	0%	0%	0%	0%	0%	0%
grade 2 events	577	434	3992	485	2436	1045
	2%	2%	13%	2%	9%	4%
grade 3 events	211	206	273	236	566	569
	1%	1%	0%	1%	2%	2%
grade 4 events	220	207	284	217	486	542
	1%	1%	0%	1%	1%	2%
grade 5 events	687	746	1285	762	1709	1033
	3%	4%	4%	3%	6%	4%
grade 6 events	382	396	6838	438	5789	1130
	1%	2%	23%	2%	22%	4%
grade 7 events	17311	15693	13904	16294	13569	18898
	83%	84%	48%	83%	53%	75%

## 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	215.019218	215.0161511211066	Subarray requested	NONE	NONE
Pointing Dec	6.444106	6.417086074906855	Alternating exposures requested	N	N
Pointing Roll	232.713136	232.8701153709061	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	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	108358295.184000	108357264.31712			
Observation start date	2001-06-08T03:30:31	2001-06-08T03:14:24			
Observation end time	108361335.184000	108361864.5173			
Observation end date	2001-06-08T04:21:11	2001-06-08T04:31:04			
Read mode	TIMED	TIMED			

## 2.3 Aspect





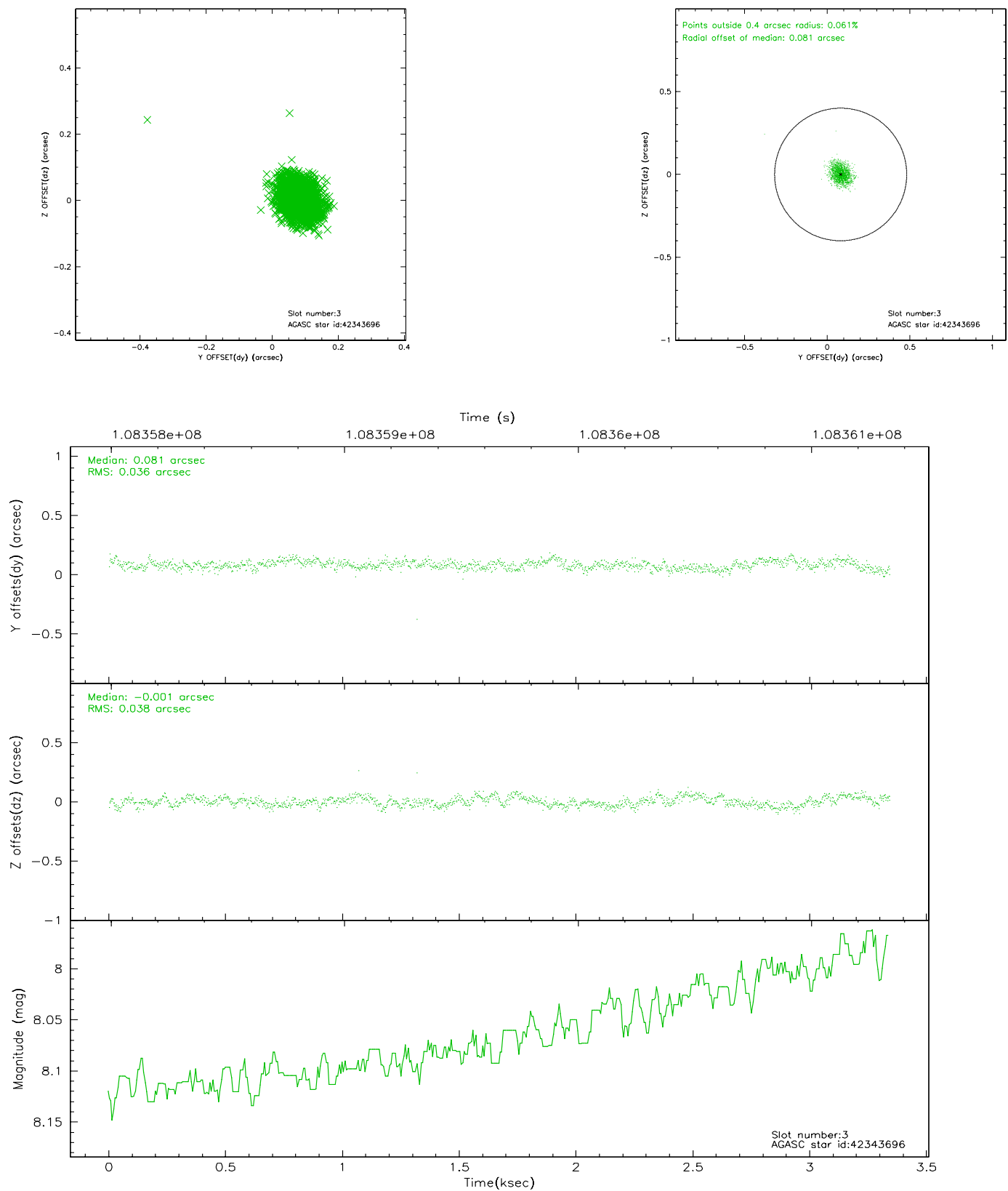
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	815	-0.025	0.022	0.006	0.010	0.000000	0.000000	-755.07	-1726.71
1	FID	ACIS-S-4	7.20	815	-0.067	0.006	0.005	0.008	0.000000	0.000000	2157.26	179.88
2	FID	ACIS-S-5	7.24	815	0.061	-0.019	0.006	0.010	0.000000	0.000000	-1805.43	175.58
3	GUIDE	42343696	8.07	1631	0.081	-0.001	0.054	0.085	214.907250	5.896291	1811.78	876.44
4	GUIDE	42341840	8.39	1631	-0.000	-0.029	0.050	0.080	214.867062	5.854194	2020.49	854.26
5	GUIDE	42474848	7.66	1630	-0.172	0.046	0.053	0.080	215.355097	6.442439	-722.63	960.49
6	GUIDE	42342360	8.82	1631	0.080	-0.040	0.057	0.095	214.659937	6.232653	1383.65	-560.81
7	GUIDE	42338104	9.80	1628	0.006	0.016	0.123	0.201	214.872561	6.378797	505.49	-274.72

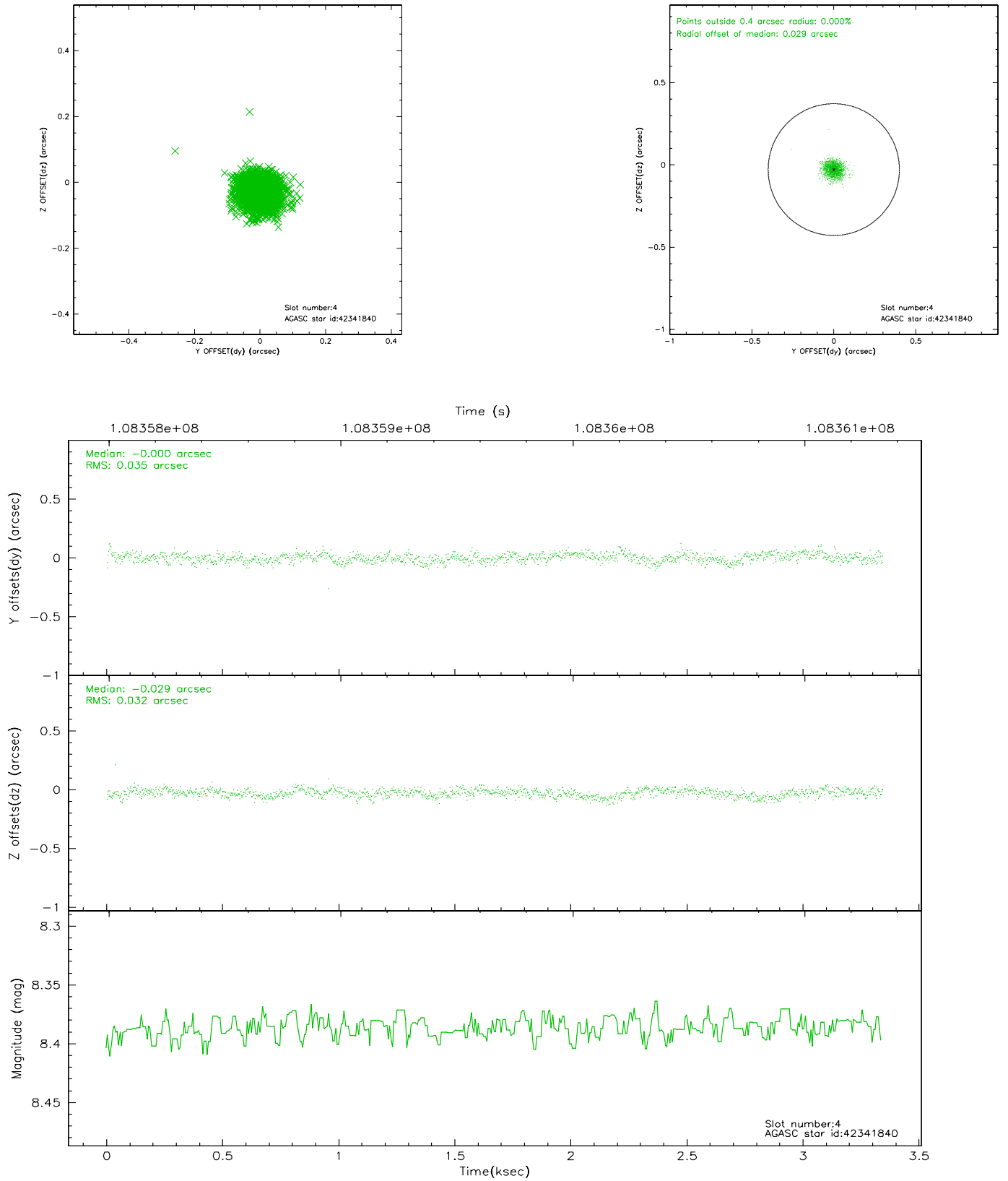


## 2.4 Star Slots

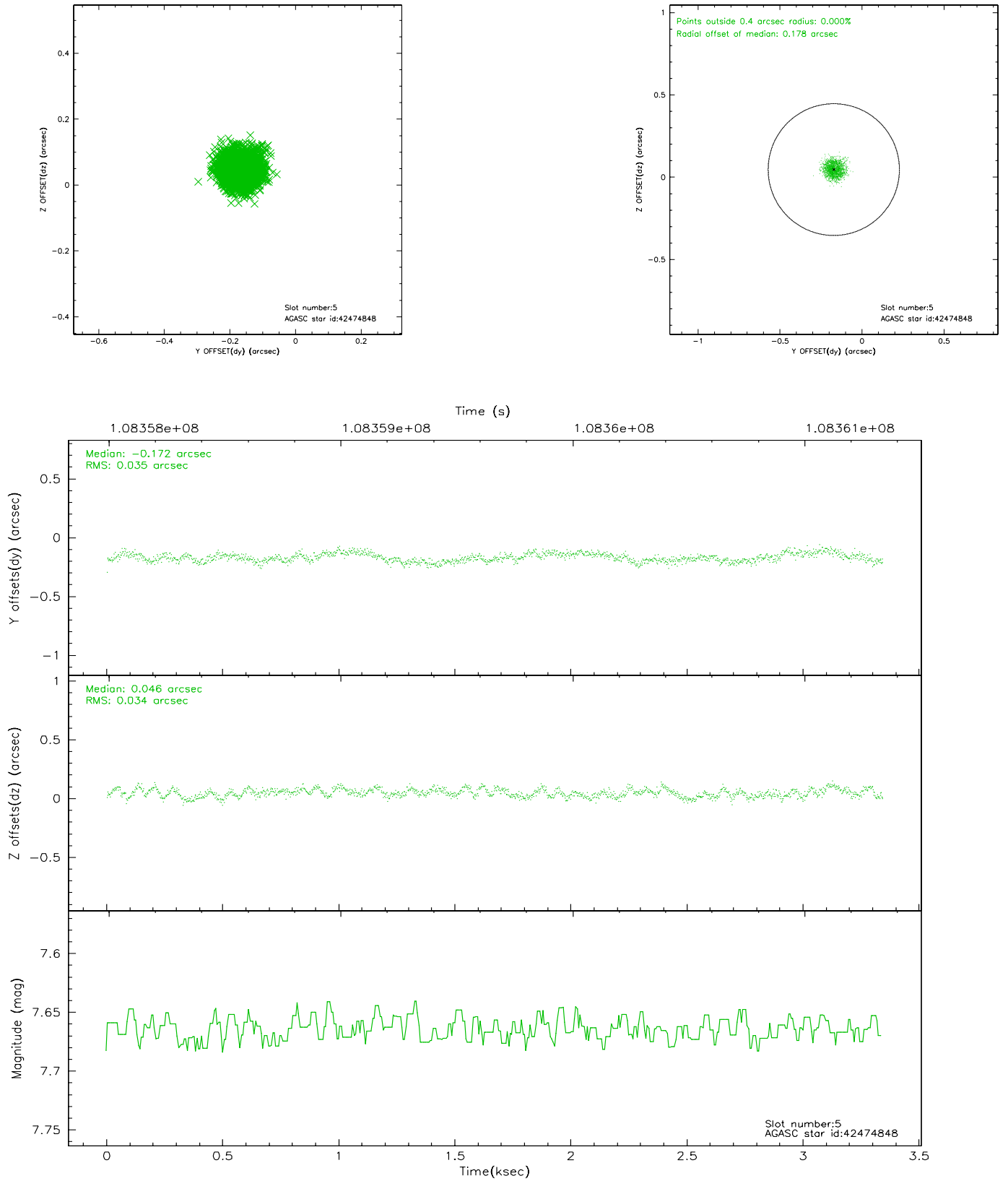
### 2.4.1 Slot 3



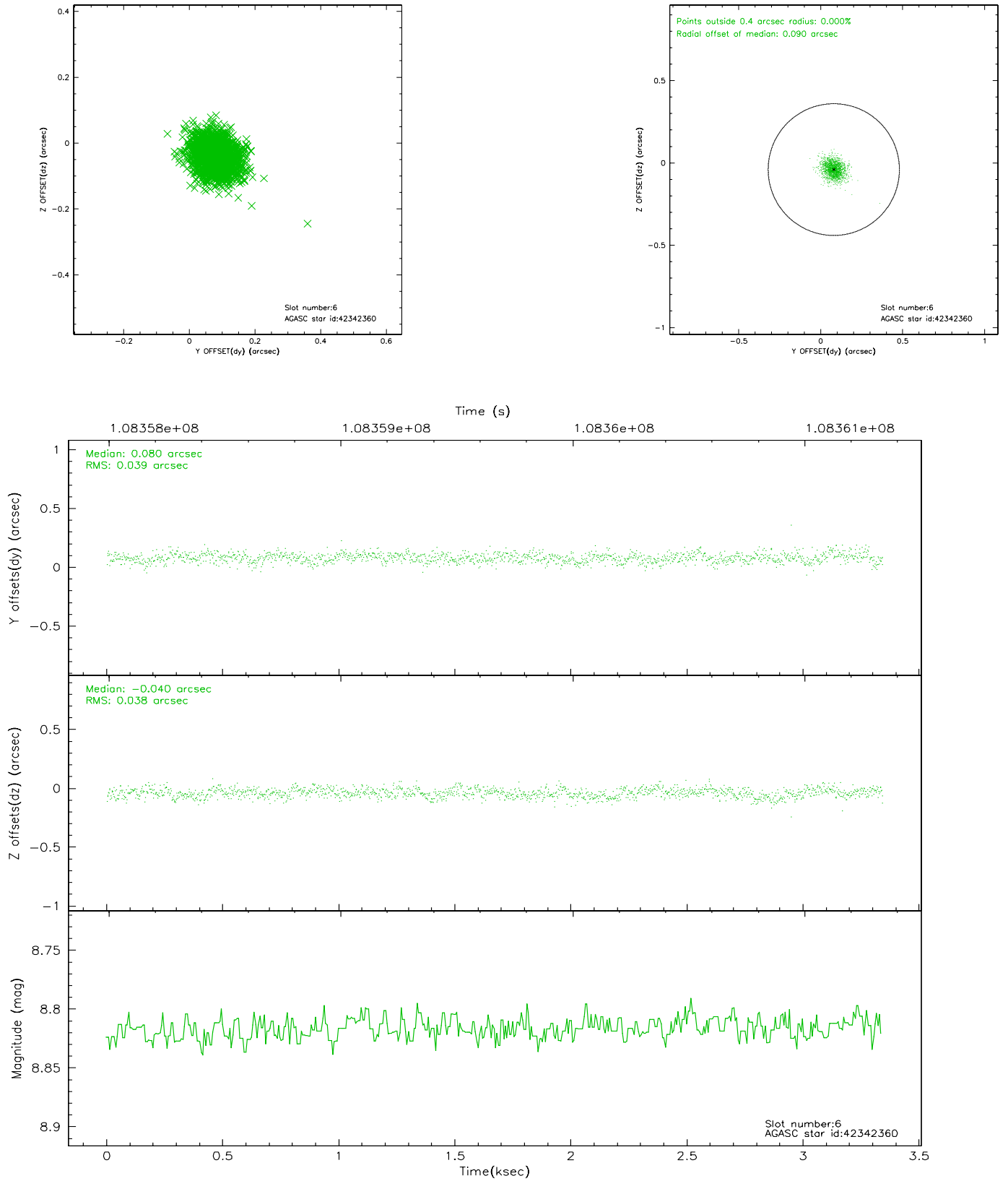
## 2.4.2 Slot 4



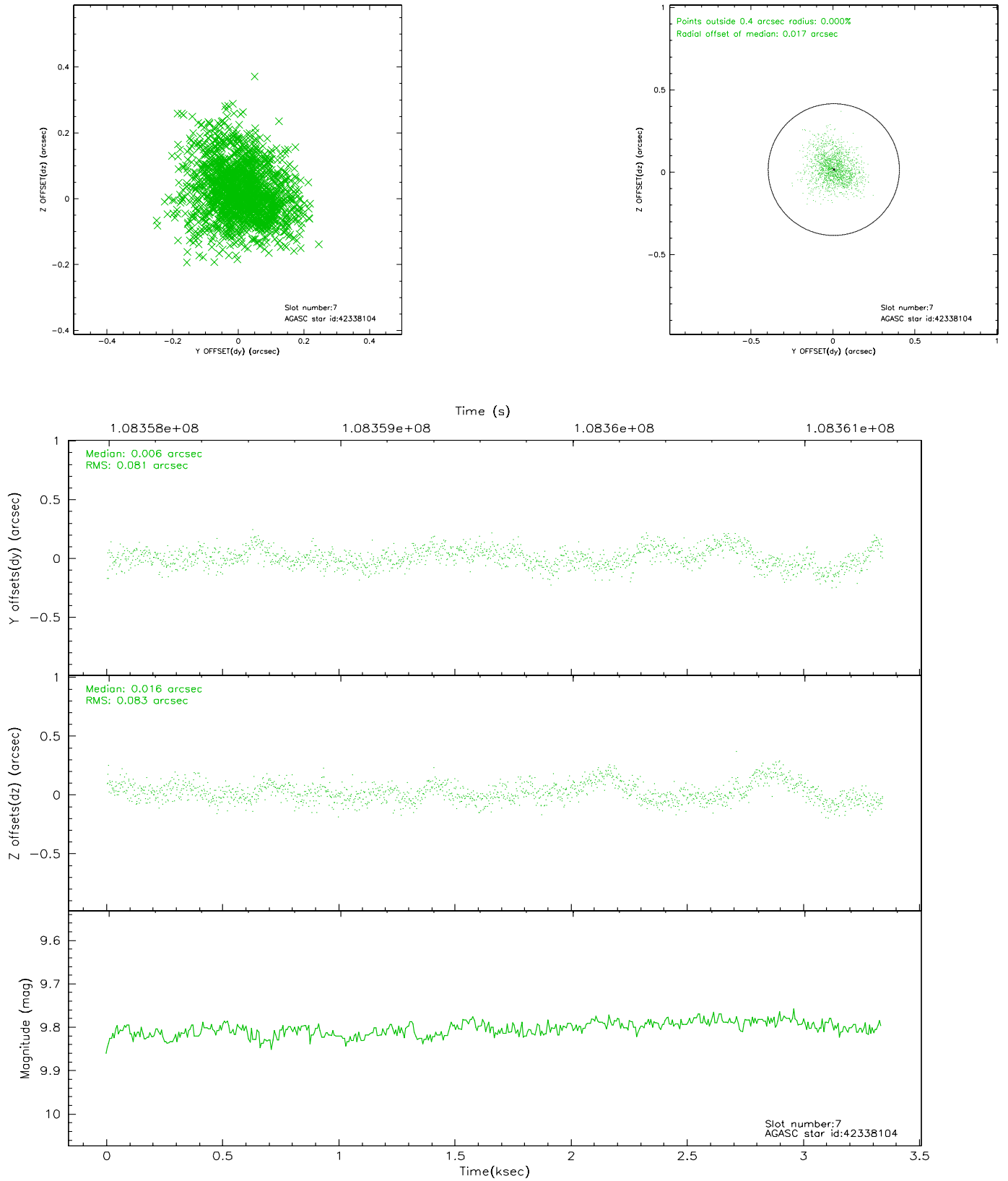
### 2.4.3 Slot 5



## 2.4.4 Slot 6

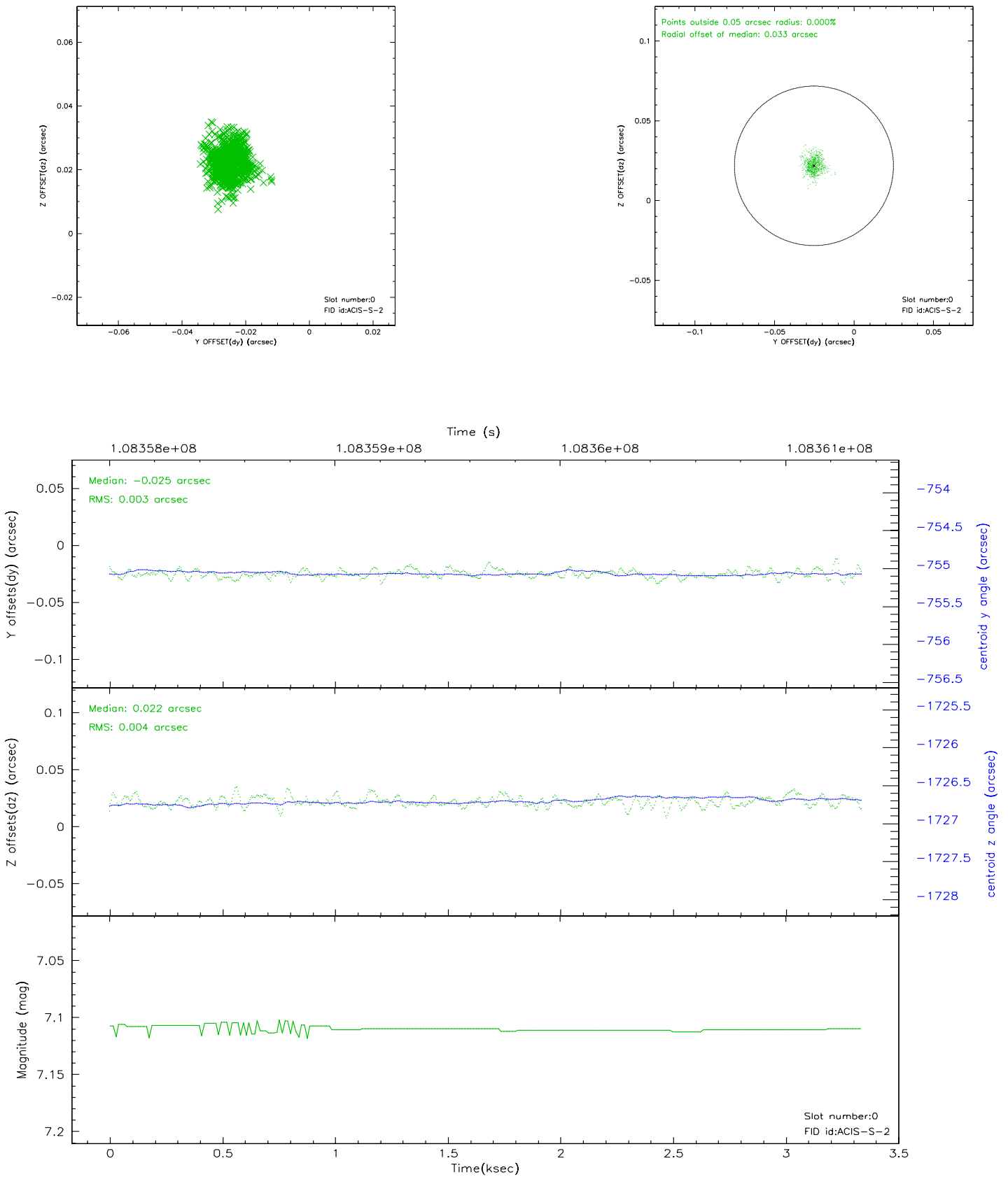


## 2.4.5 Slot 7

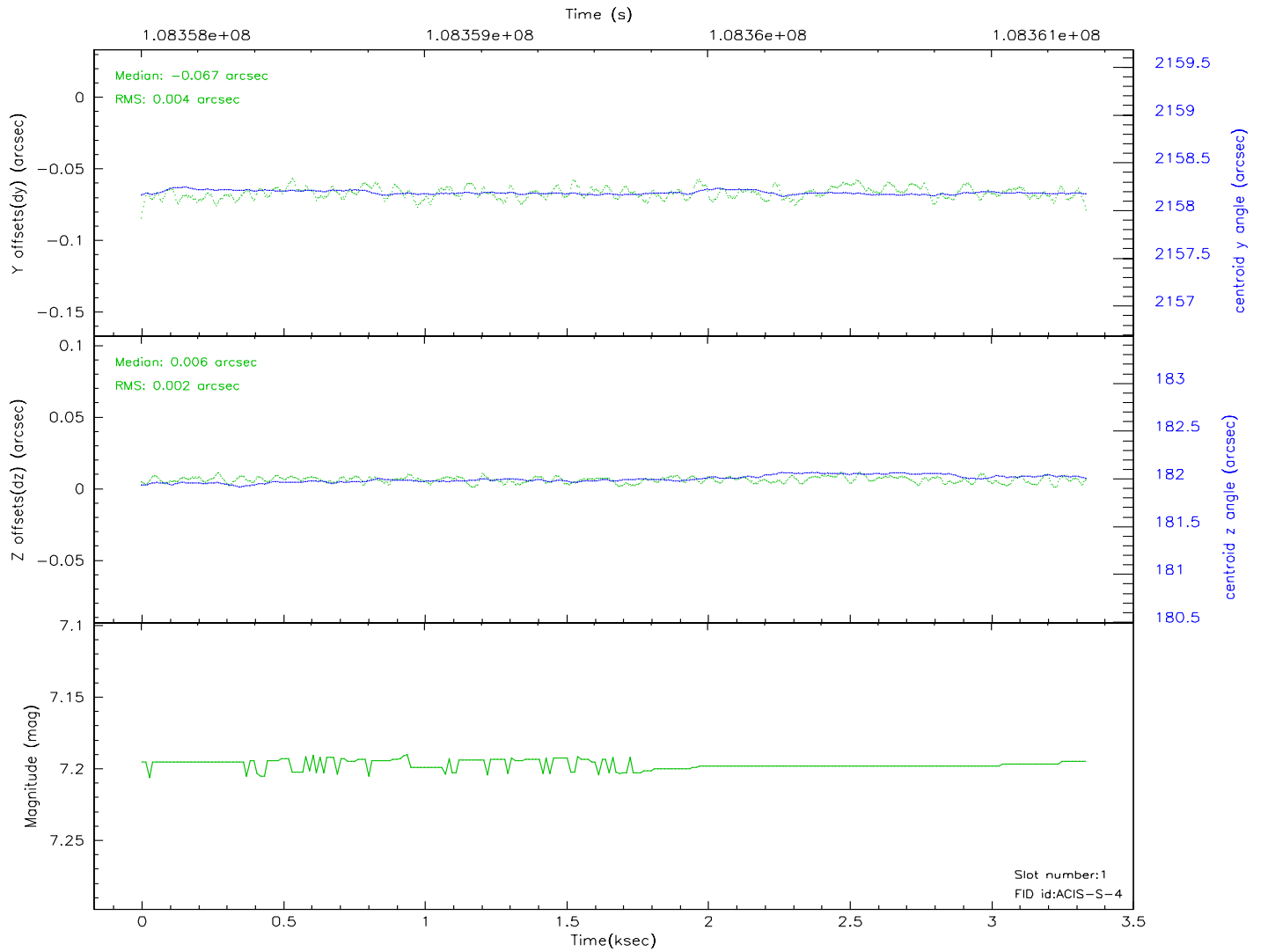
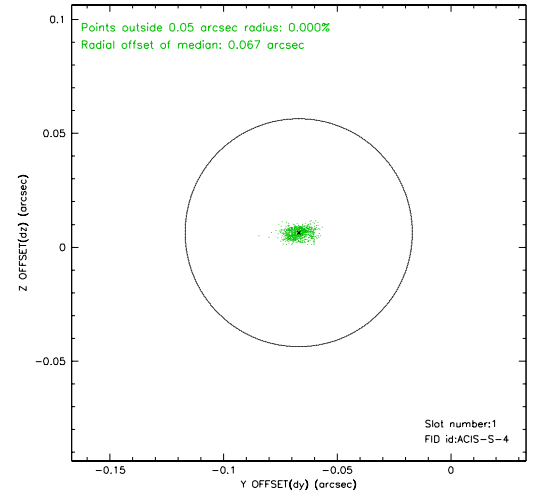
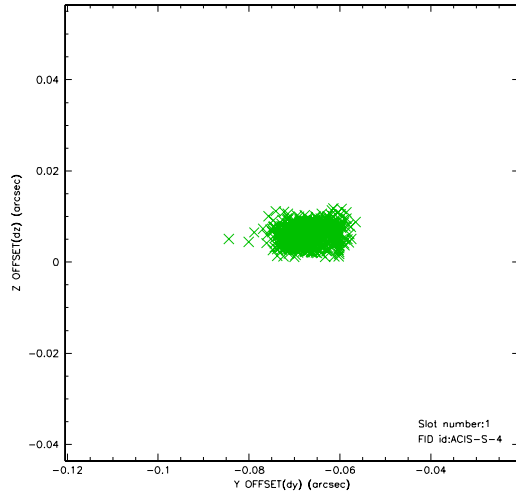


## 2.5 FID Slots

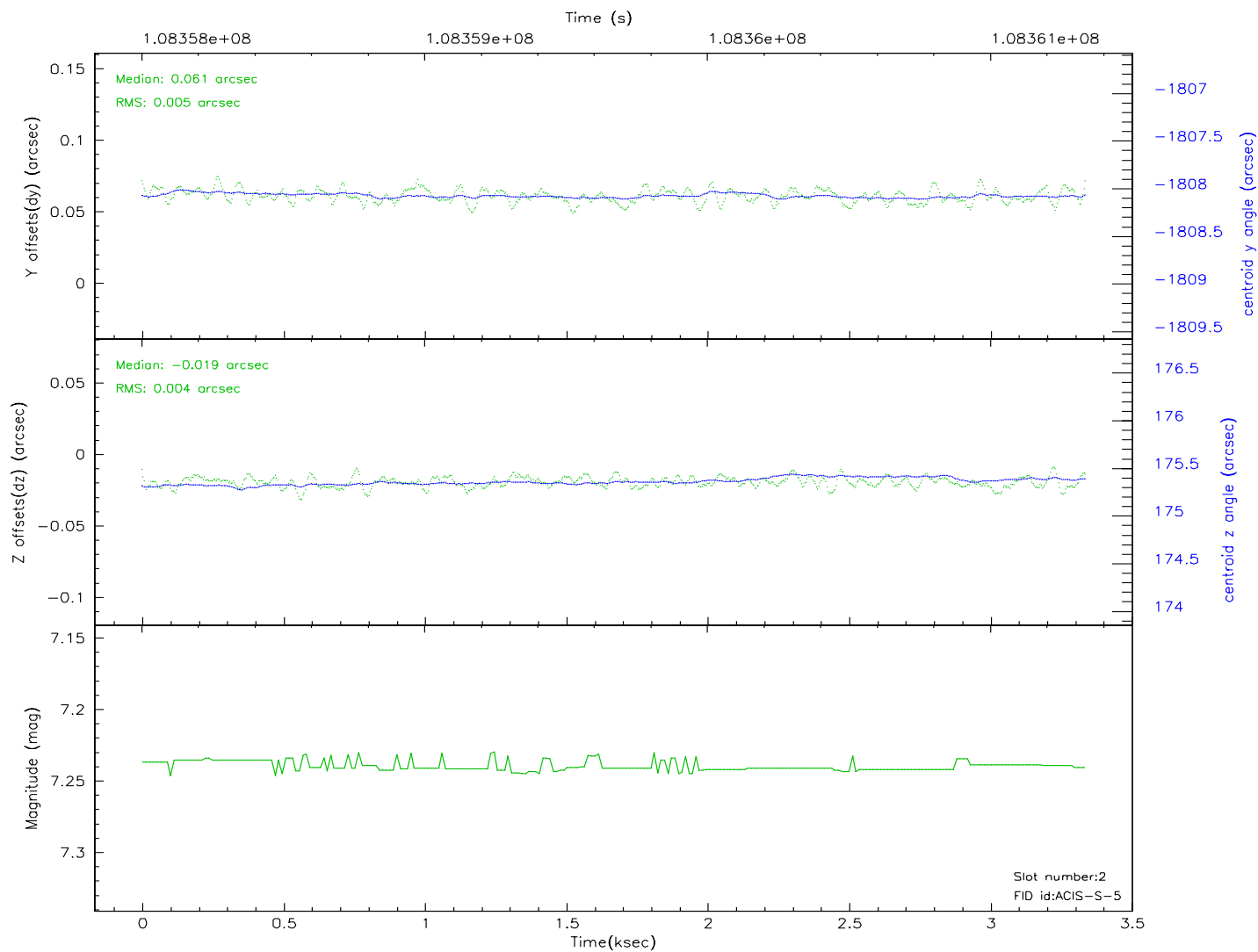
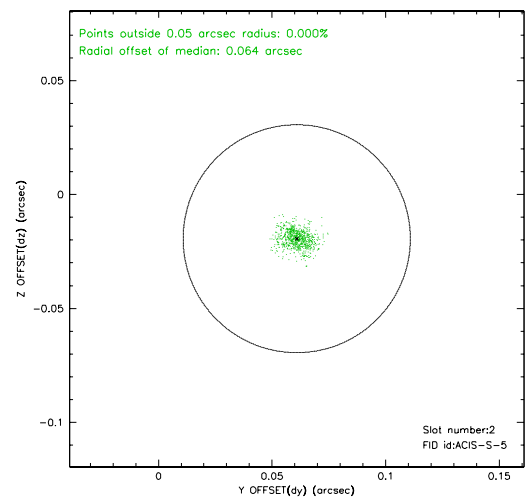
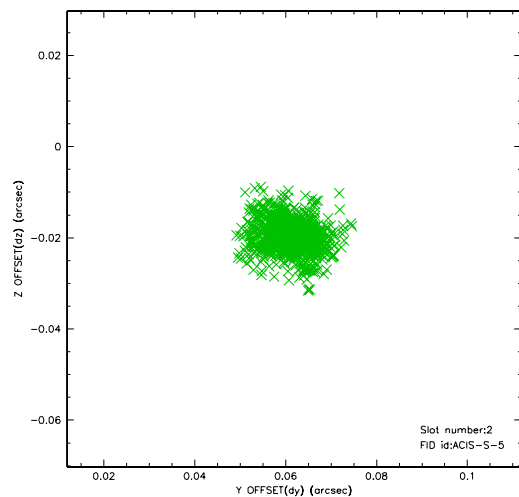
### 2.5.1 Slot 0



## 2.5.2 Slot 1

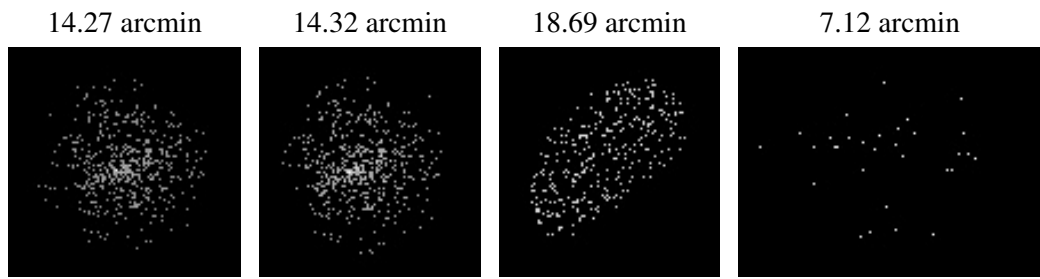


### 2.5.3 Slot 2





### 3 Point Sources



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.11.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.988

### A.2 Comments