

# V&V Reference Report

## L2 ASCDS Version : 7.6.7

Observation 6249 - L2 Version 003  
Chandra X-Ray Center

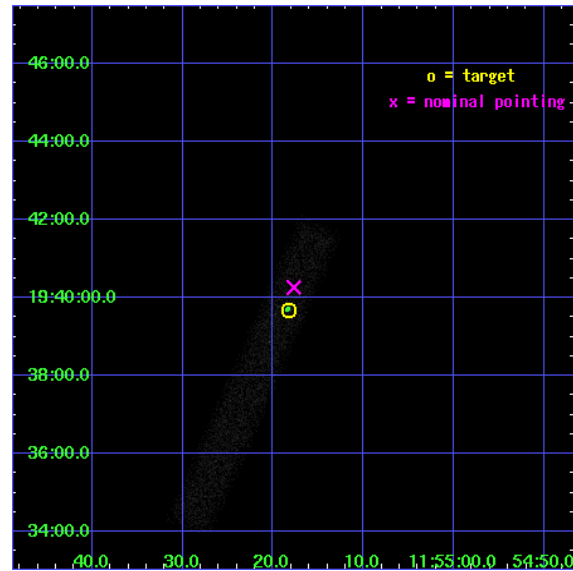
L2 Processing Date: Feb 23 2006

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# 1 Front

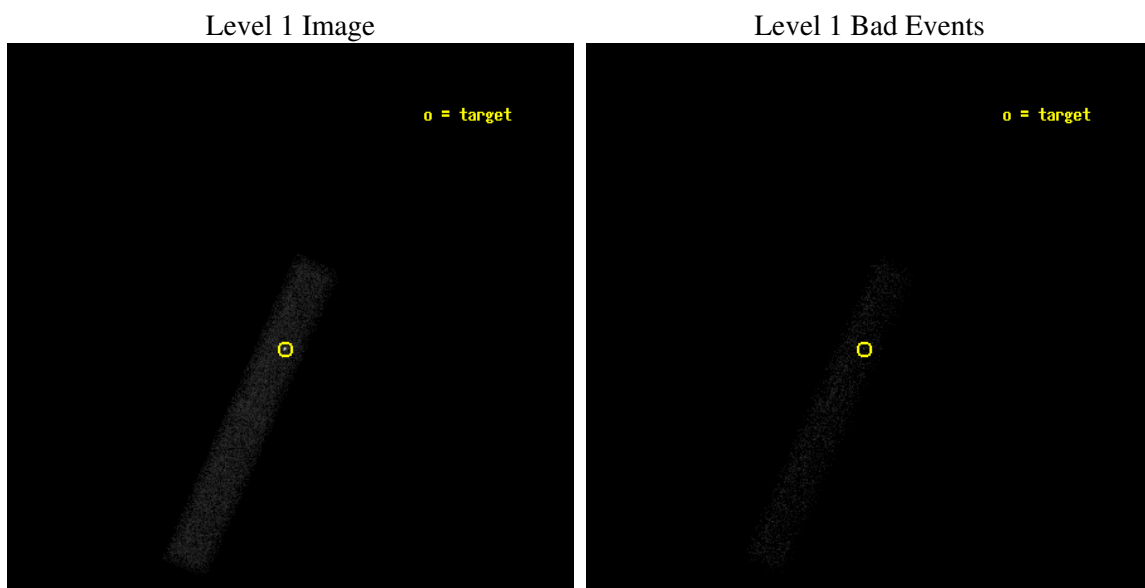
seq_num	600428
obs_id	6249
title	Dust-to-gas ratio in the $z=0.44$ lens galaxy B1152+199
observer	Dr. Kristian Pedersen
object	B1152+199
dtcycle	0
cycle	P
ra_targ	178.82625
dec_targ	19.661722
ra_nom	178.82380278104
dec_nom	19.671109014949
roll_nom	113.95746378028
revision	3
ontime	18136.800270259
livetime	16449.120506312
ontime7	18136.800270259
l2events	13048



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	0
ascdsver	7.6.7
caldbver	3.2.1
date	2006-02-24T01:30:00
revision	3

sched_exp_time	18000.000000
ontime	19234.881800741
ontime7	19234.881800741
l1events	28109

### 2.1.4 Events

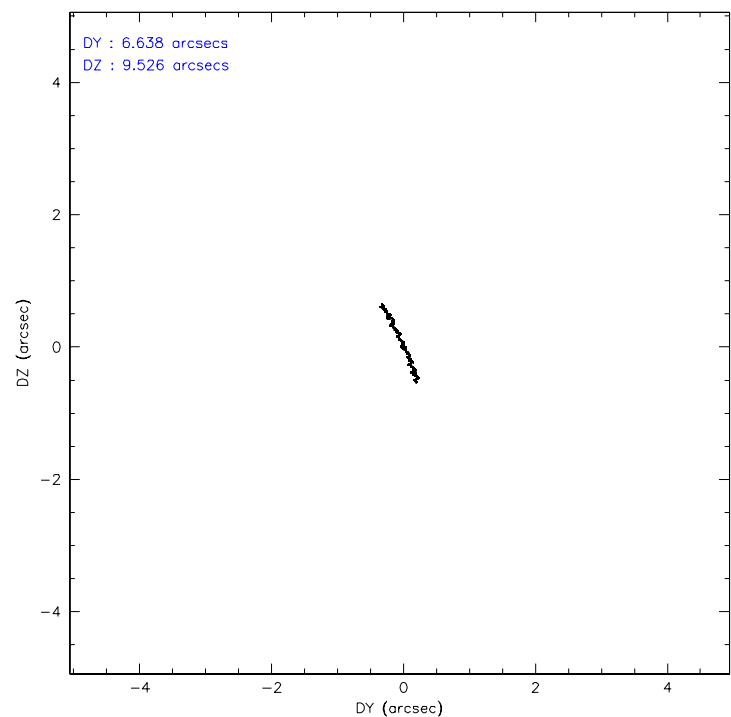
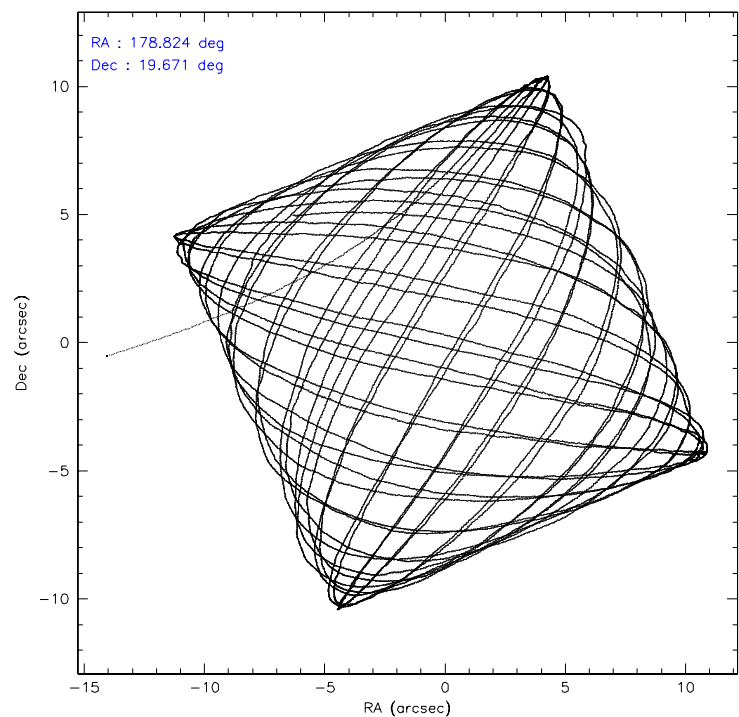
	<b>ccd 7</b>
level 1 events	28109
rejected events	14633
rejected %	52%

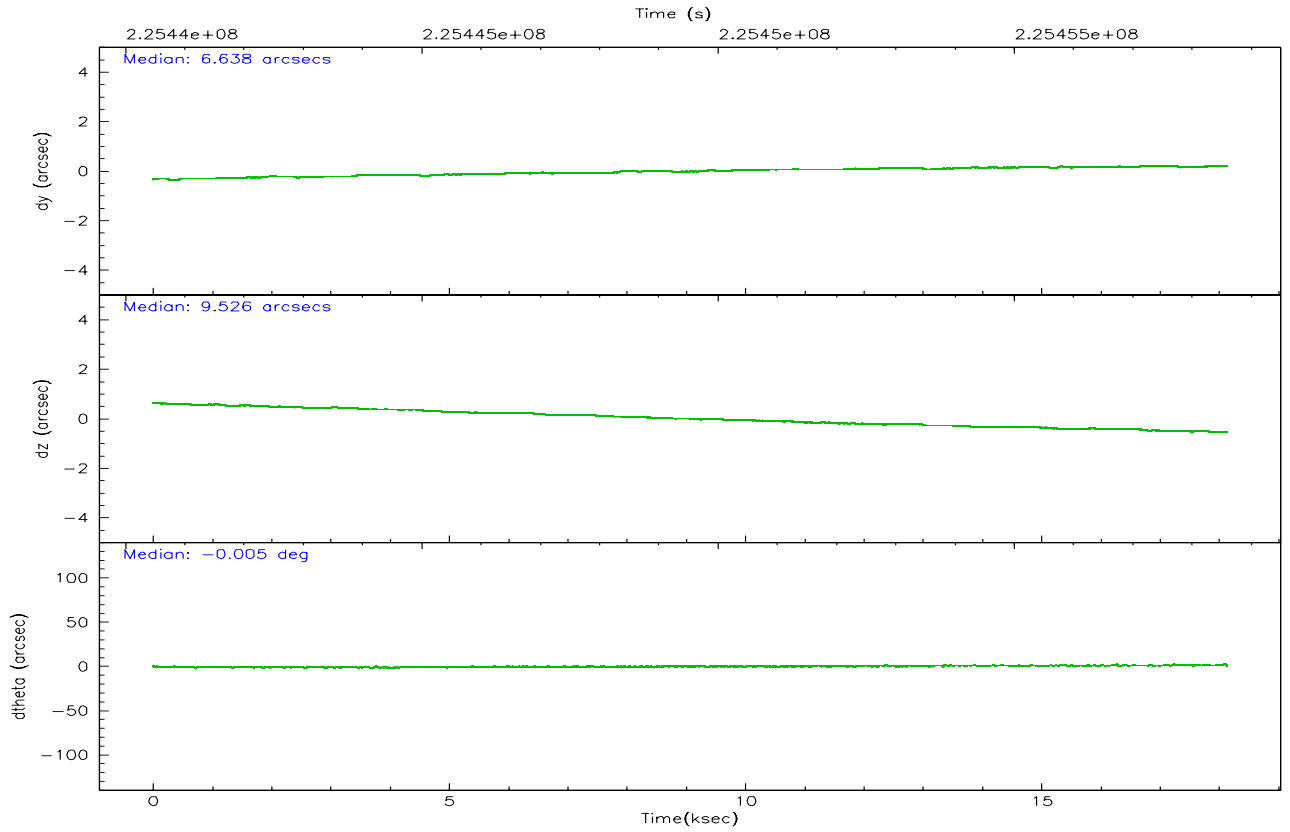
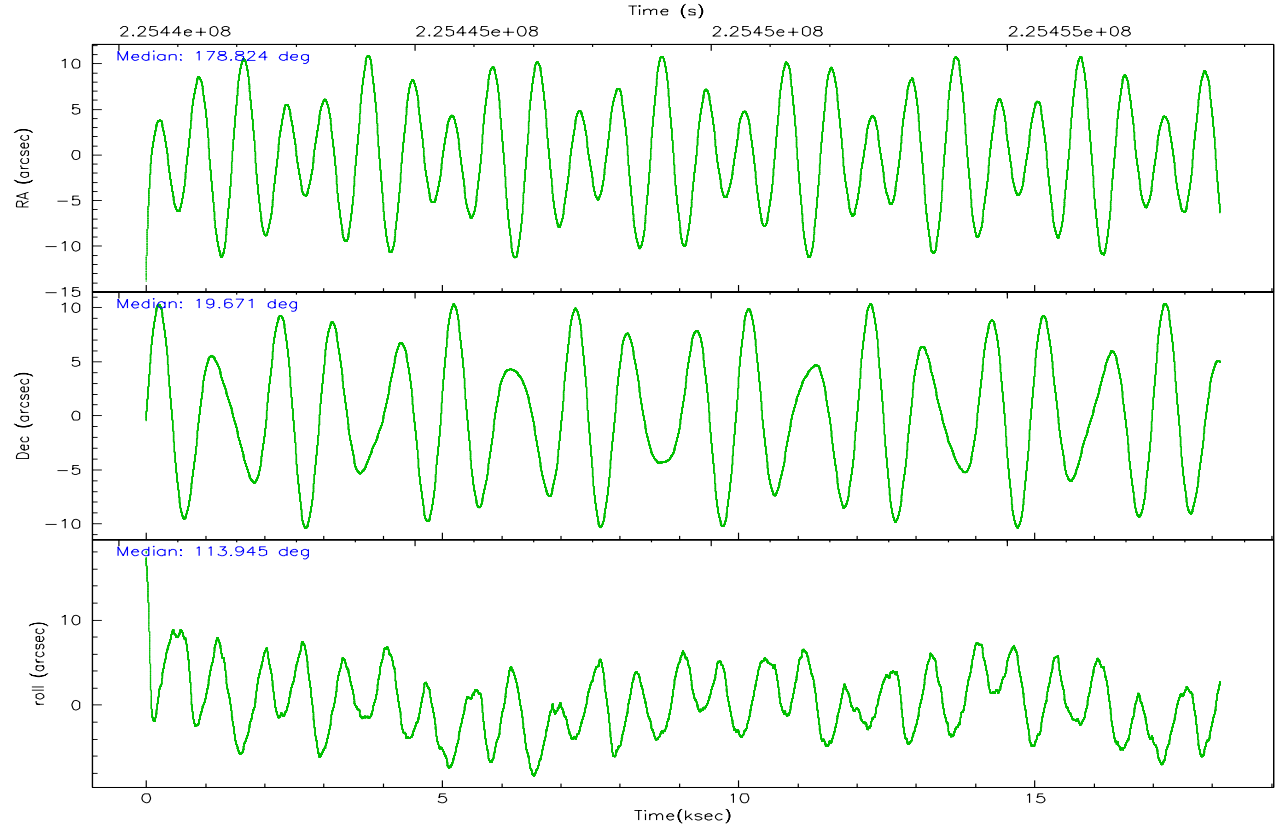
	<b>ccd 7</b>
grade 0 events	1873
	6%
grade 1 events	29
	0%
grade 2 events	3207
	11%
grade 3 events	1475
	5%
grade 4 events	1408
	5%
grade 5 events	1752
	6%
grade 6 events	6117
	21%
grade 7 events	12248
	43%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-7	ACIS-7	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	1/8	1/8
Pointing RA	178.847399	178.8238027810436	Subarray start row	0	449
Pointing Dec	19.655379	19.67110901494936	Subarray row count	1024	128
Pointing Roll	113.792888	113.9574637802816	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	0.4
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	225440595.184000	225439360.52841			
Observation start date	2005-02-22T06:22:11	2005-02-22T06:02:40			
Observation end time	225458595.184000	225459188.12931			
Observation end date	2005-02-22T11:22:11	2005-02-22T11:33:08			
Read mode	TIMED	TIMED			

### 2.3 Aspect





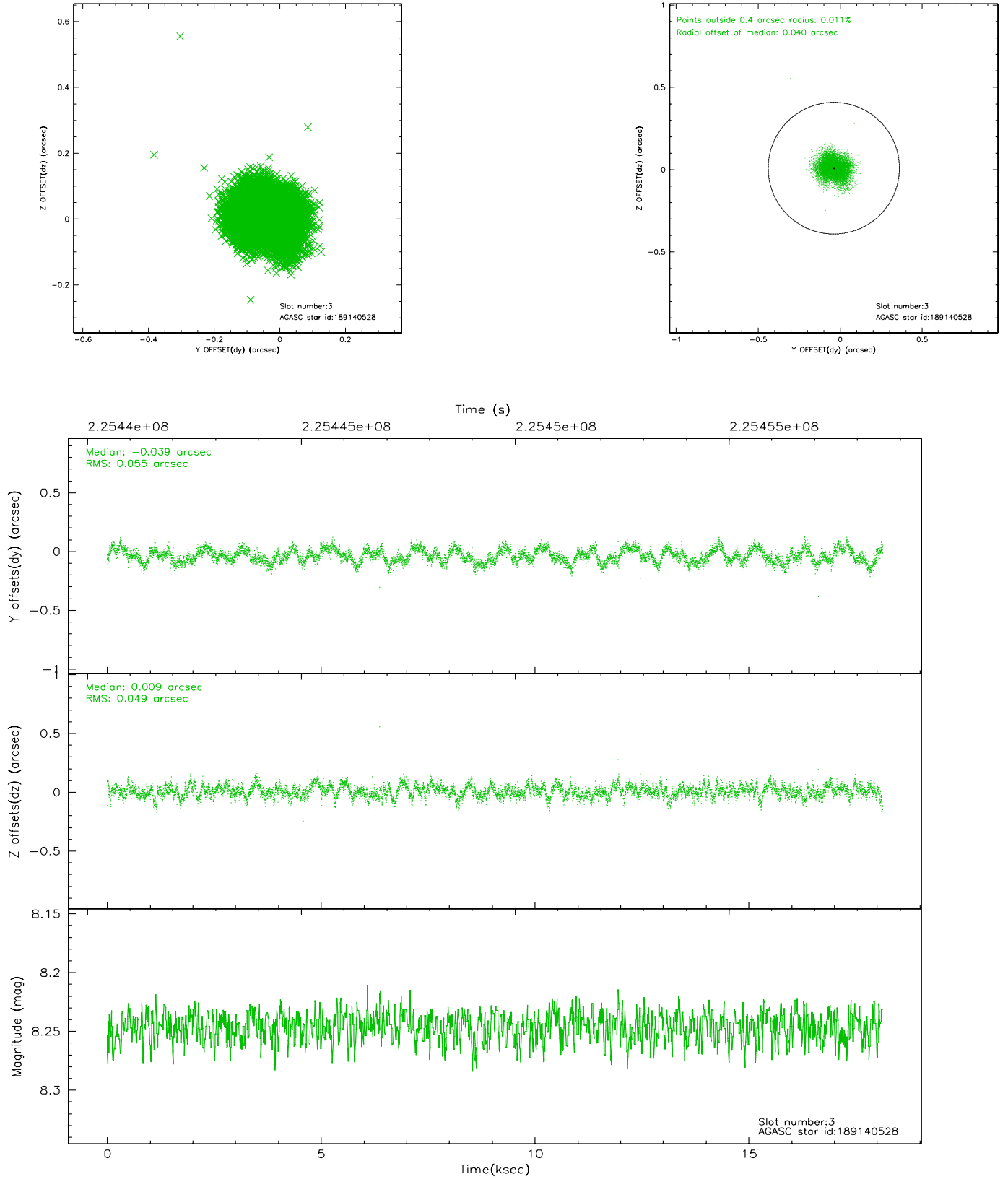
### Slot Statistics

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	4424	-0.037	-0.008	0.015	0.023	0.000000	0.000000	-759.37	-1730.80
1	FID	ACIS-S-4	7.20	4424	0.036	0.019	0.011	0.032	0.000000	0.000000	2153.85	177.52
2	FID	ACIS-S-5	7.23	4424	-0.034	-0.005	0.011	0.017	0.000000	0.000000	-1811.95	171.36
3	GUIDE	189140528	8.25	8848	-0.039	0.009	0.080	0.124	178.633618	19.411233	-510.32	1021.09
4	GUIDE	189140672	9.08	8846	0.005	-0.084	0.106	0.176	178.601271	18.918622	-2088.72	1836.88
5	GUIDE	189143880	8.02	8848	-0.038	0.154	0.093	0.139	179.370549	19.983904	371.89	-2095.15
6	GUIDE	189152000	10.74	8678	0.079	-0.090	0.273	0.433	178.365175	19.560035	347.79	1634.69
7	GUIDE	189140696	8.43	8846	-0.026	0.022	0.075	0.121	178.646164	19.427835	-472.81	958.17

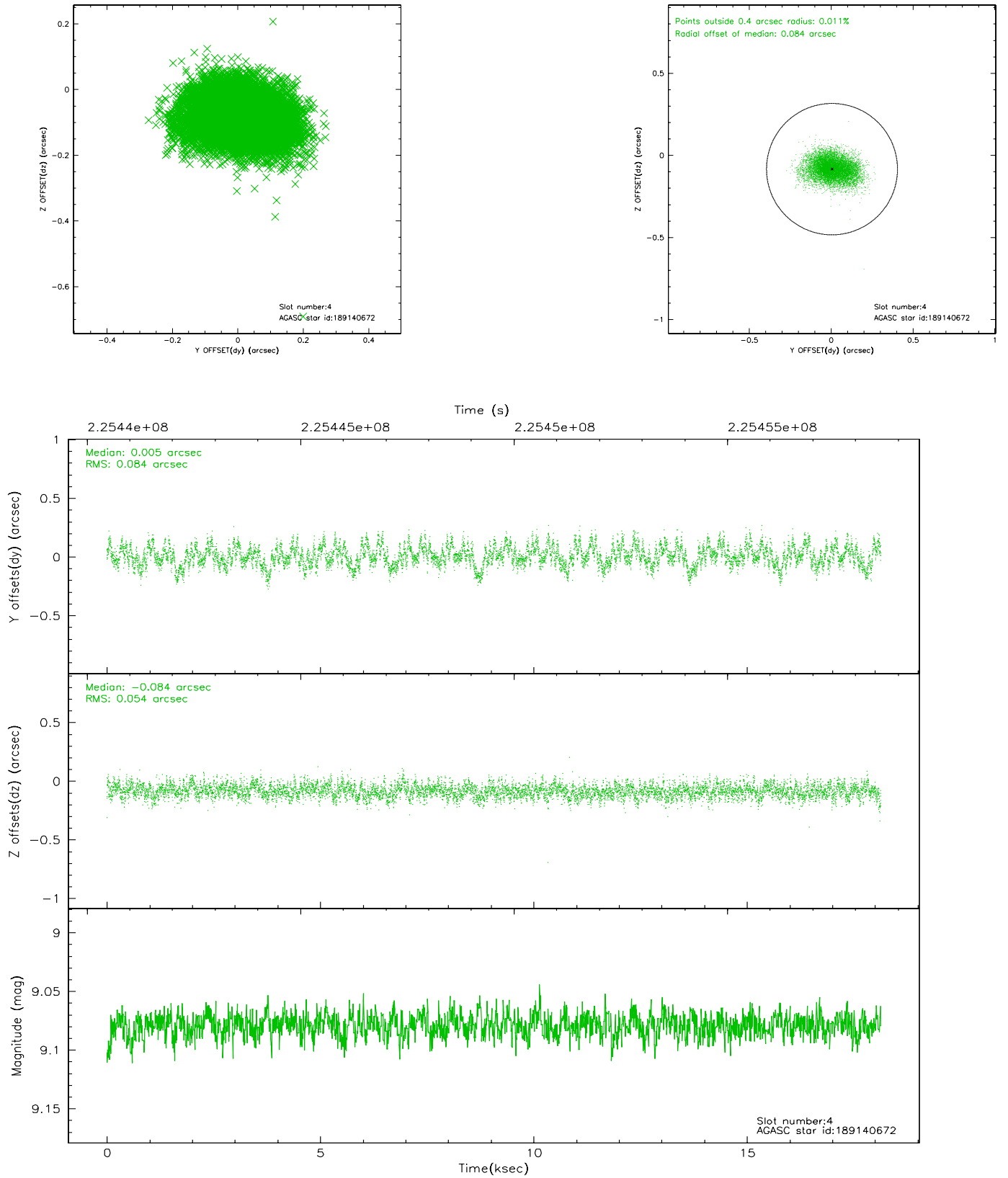


## 2.4 Star Slots

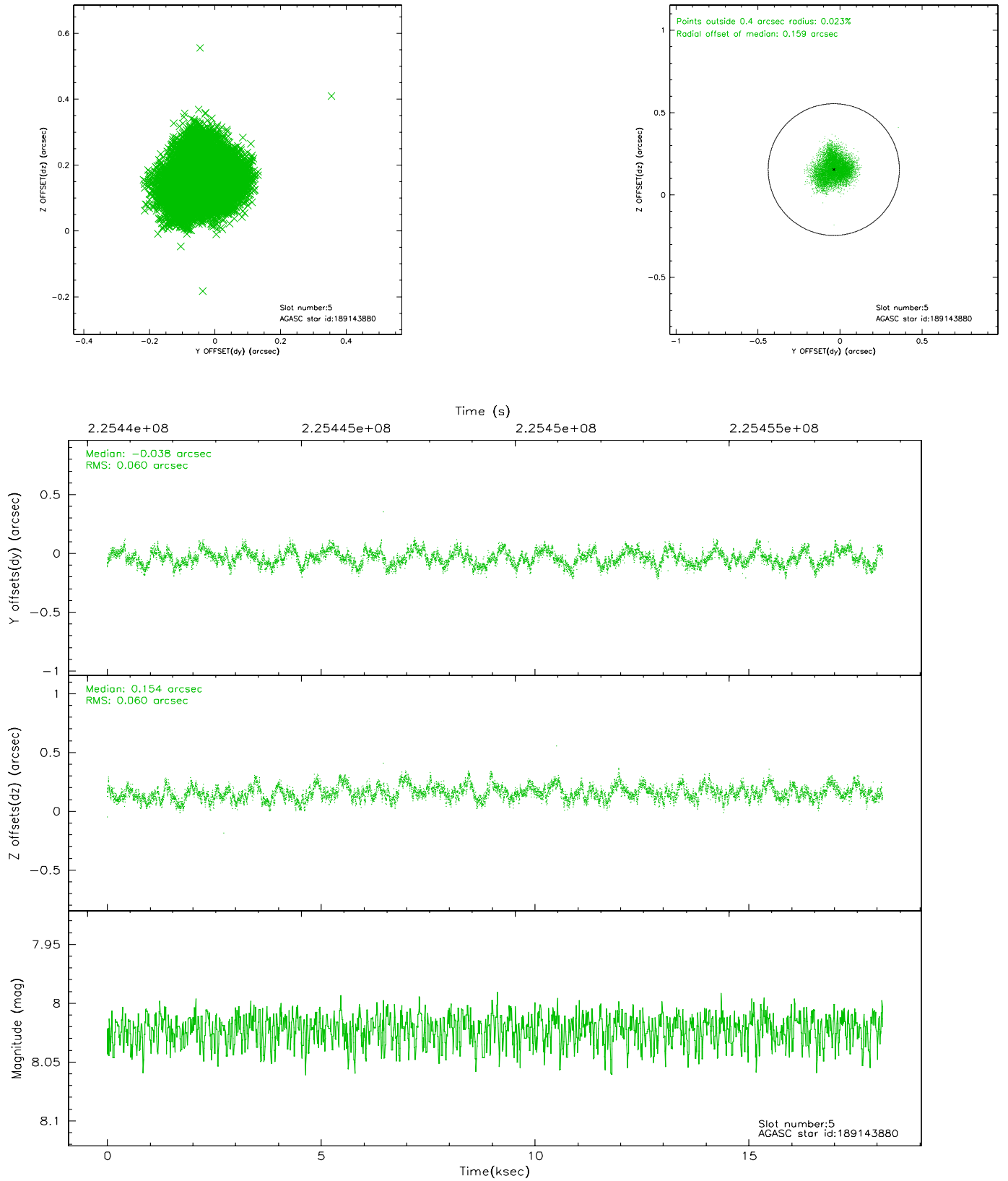
### 2.4.1 Slot 3



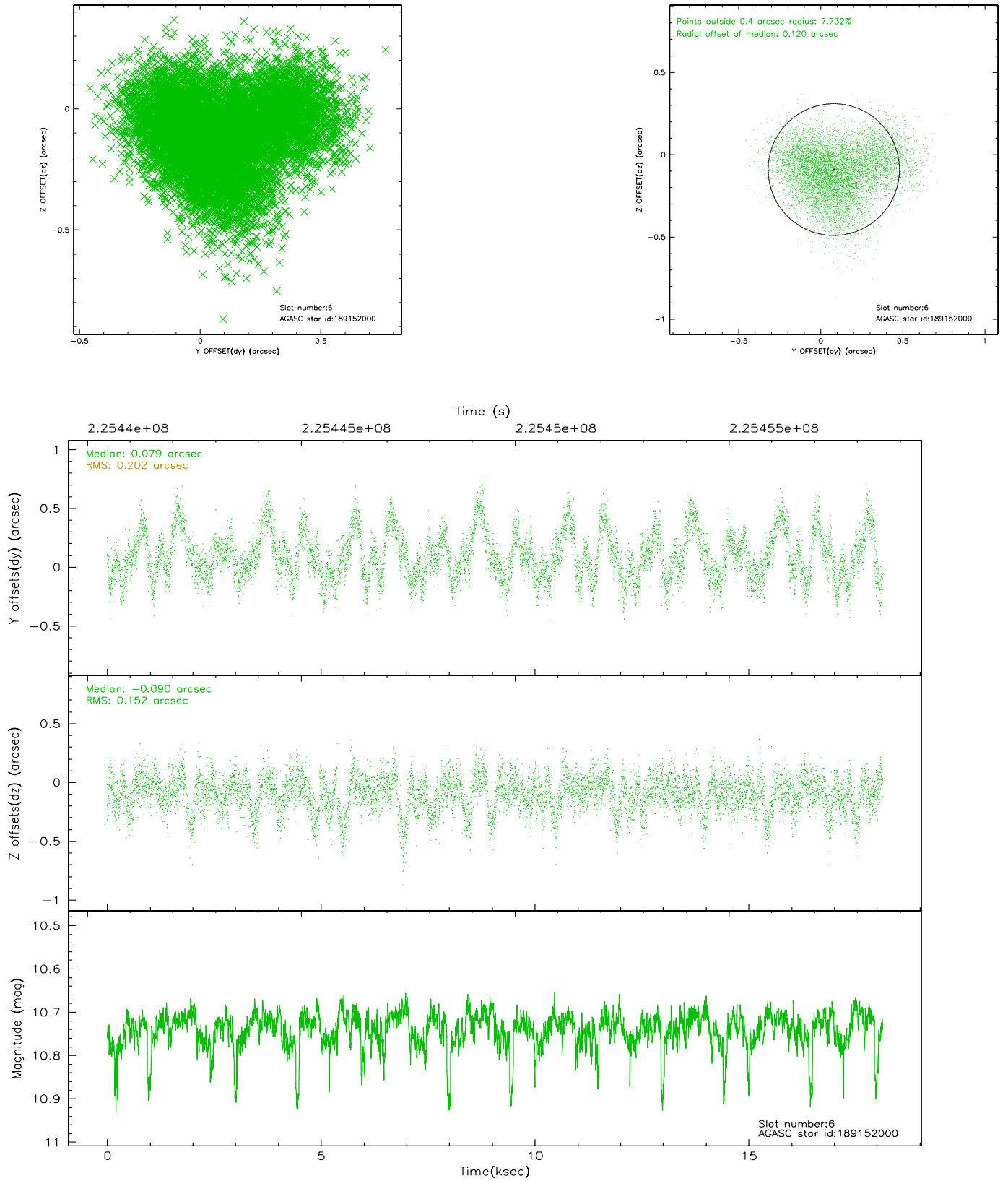
## 2.4.2 Slot 4



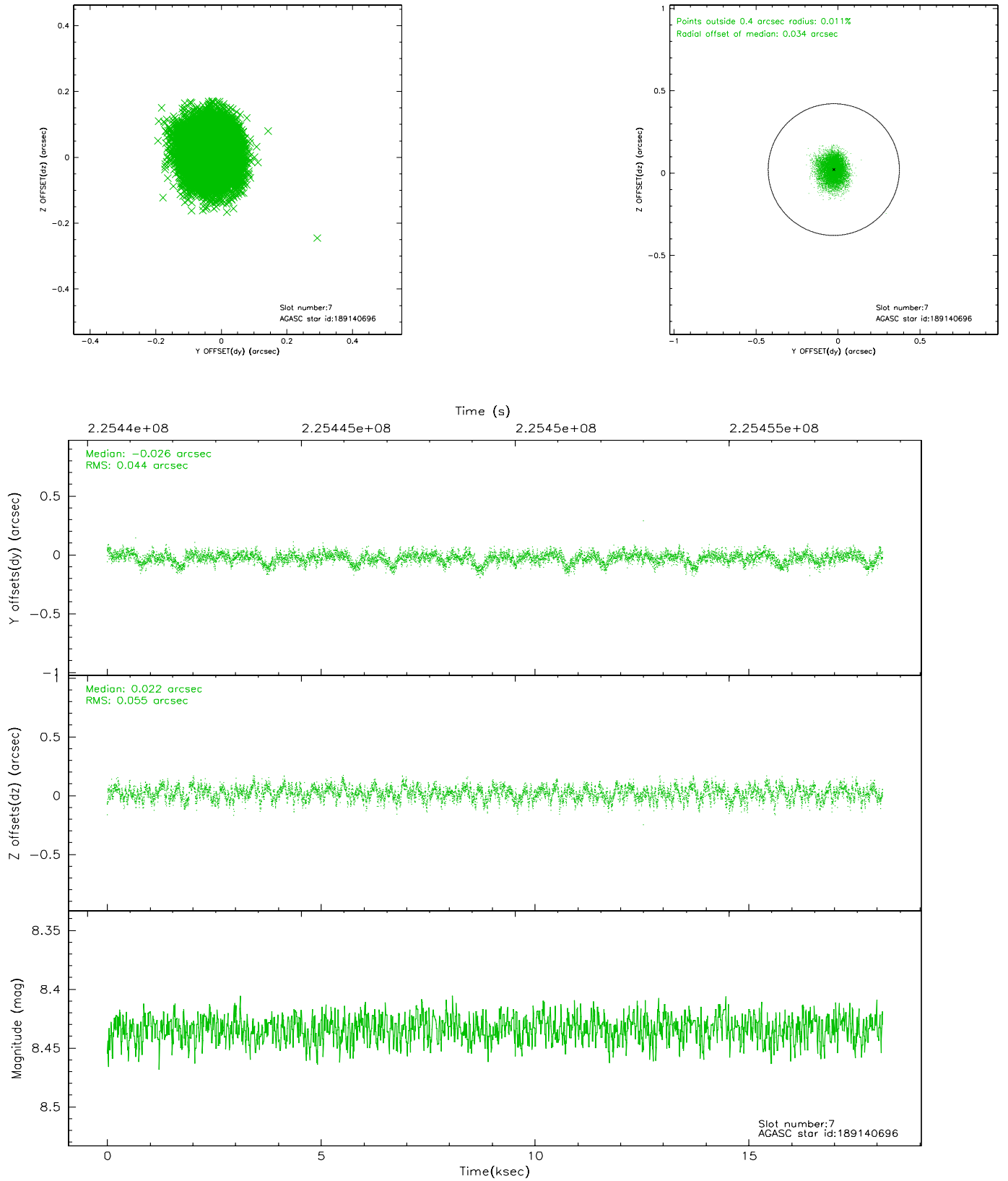
### 2.4.3 Slot 5



## 2.4.4 Slot 6

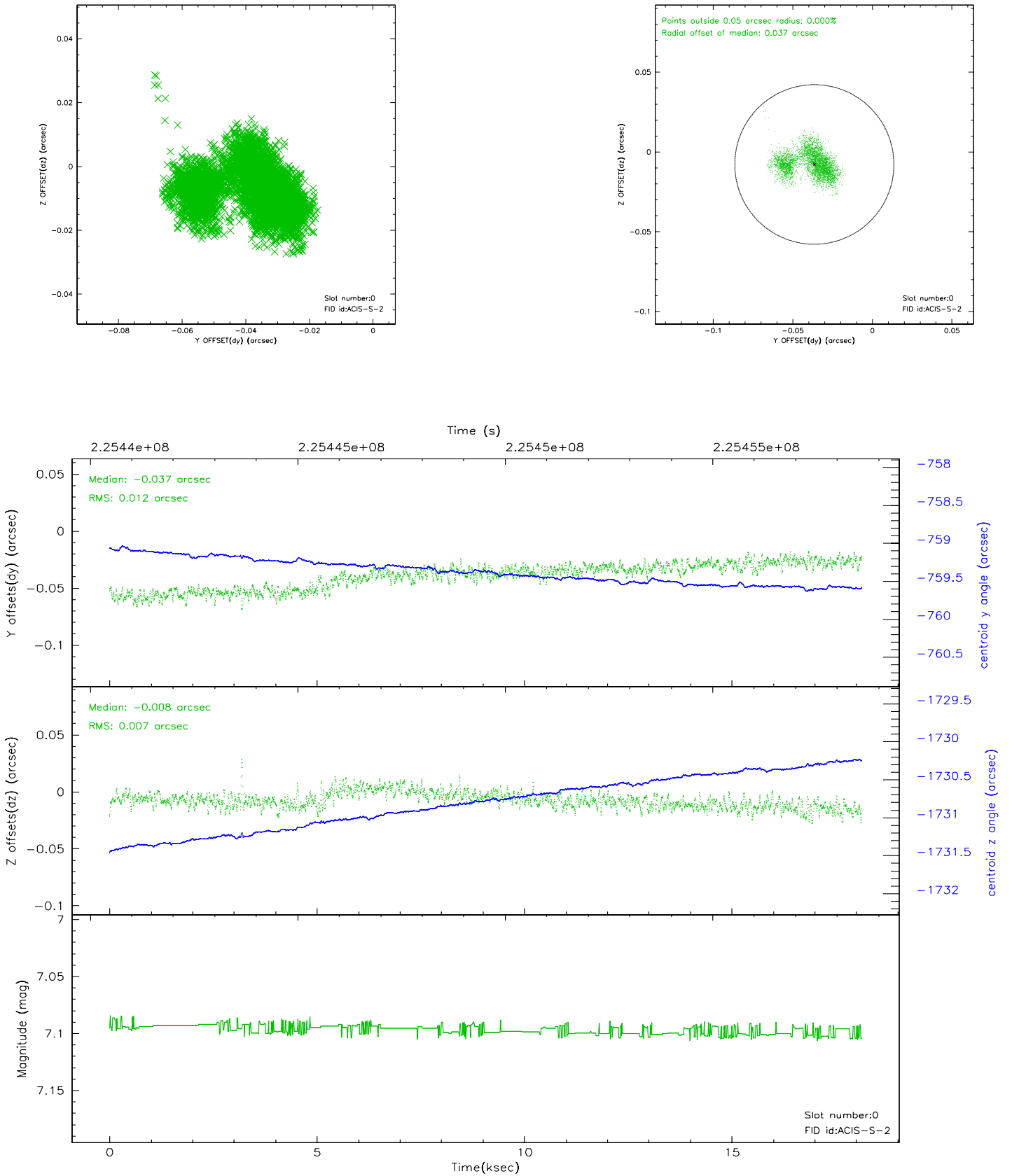


## 2.4.5 Slot 7

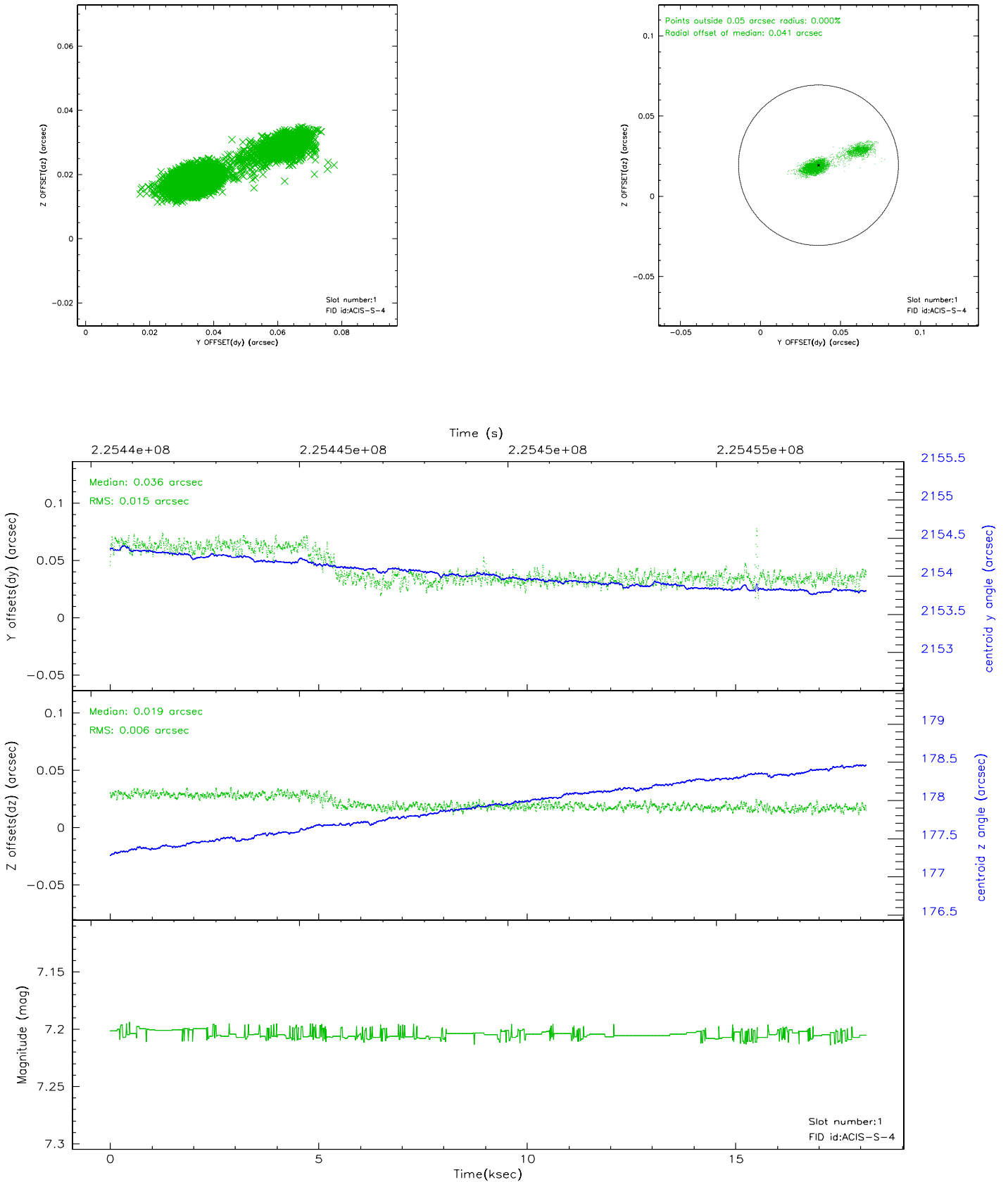


## 2.5 FID Slots

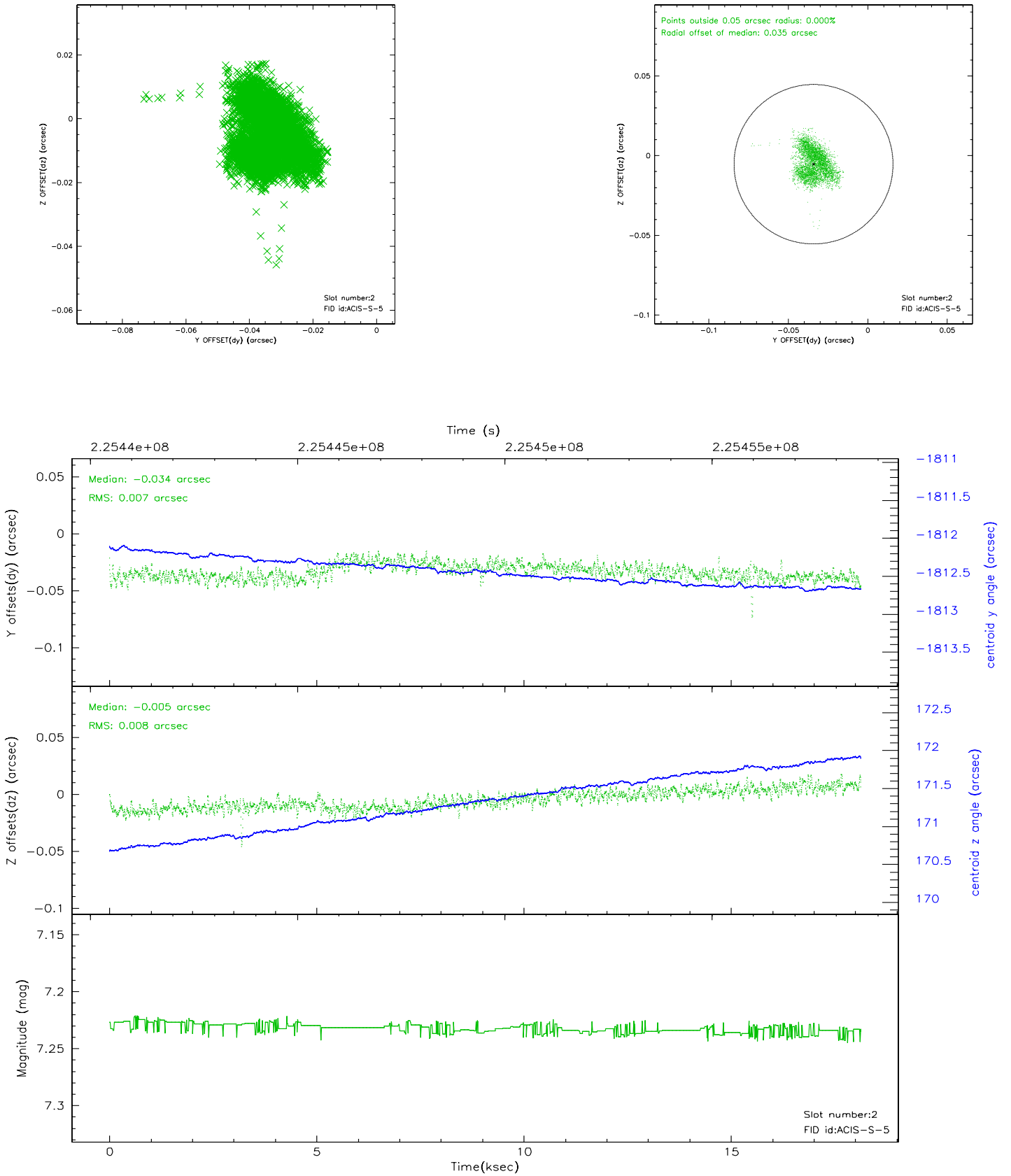
### 2.5.1 Slot 0



## 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)	2006.02.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.1368

## A.2 Comments

Comments for Obi 0

Star in slot 6 has an RMS deviation > 0.200000 arcsec (but is within spec.)