

# V&V Reference Report

## L2 ASCDS Version : 8.2.1

Observation 1217 - L2 Version 5

Chandra X-Ray Center

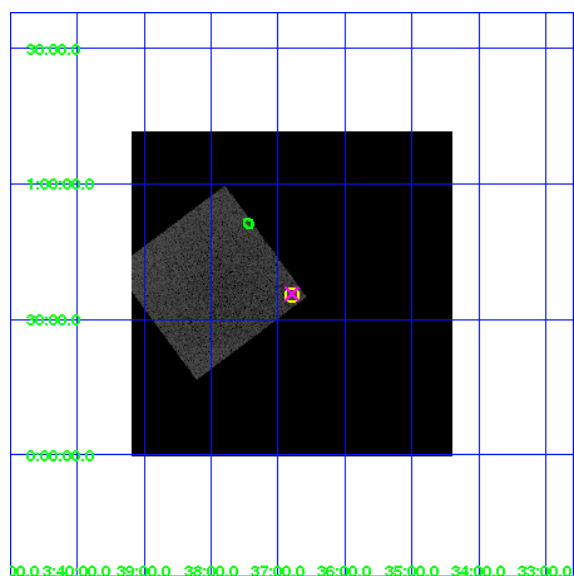
L2 Processing Date : Jan 20 2010

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# 1 Front

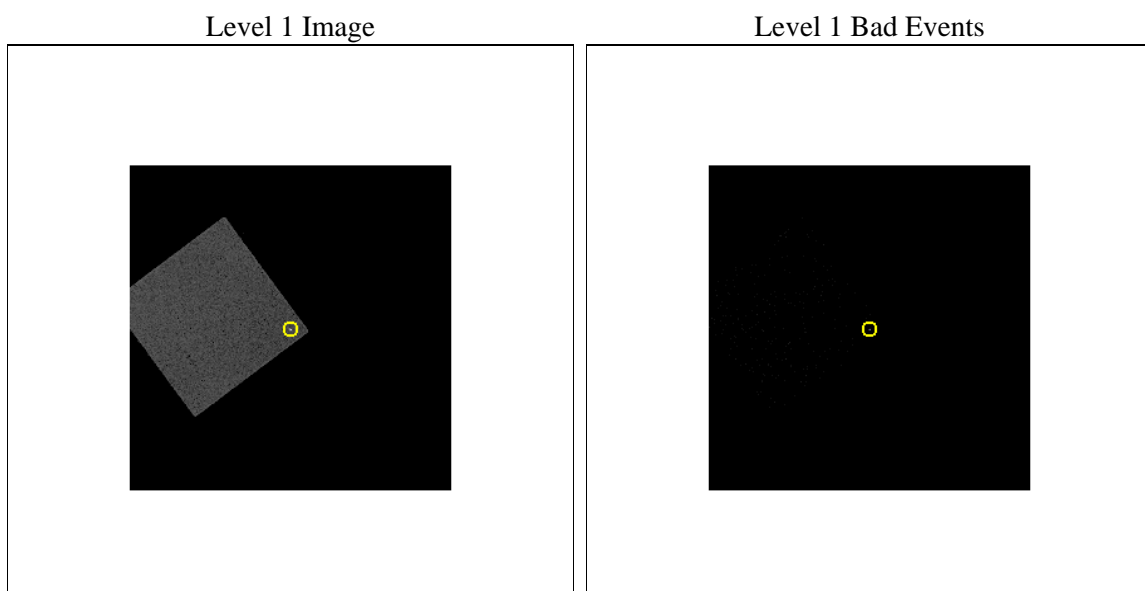
seq_num	280167	Sequence number
obs_id	1217	Observation id
title	&#160	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HR1099	Source name
ra_targ	54.197083	Observer's specified target RA
dec_targ	0.589972	Observer's specified target Dec
ra_nom	54.198400142103	Nominal RA
dec_nom	0.59457753664059	Nominal Dec
roll_nom	98.402891484044	Nominal Roll
revision	5	Processing version of data
ontime	1674.0813101232	[s]
livetime	1661.0869968571	Ontime multiplied by DTCOR
l2events	57401	Number of level 2 events



## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



### 2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	Scheduled observation exposure time
ascdsver	8.2.1	Processing system revision	ontime	1674.0813101232	[s]
caldbver	4.1.5	&#160	l1events	99080	Number of level 1 events
date	2010-01-20T19:54:07	Date and time of file creation			
revision	5	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

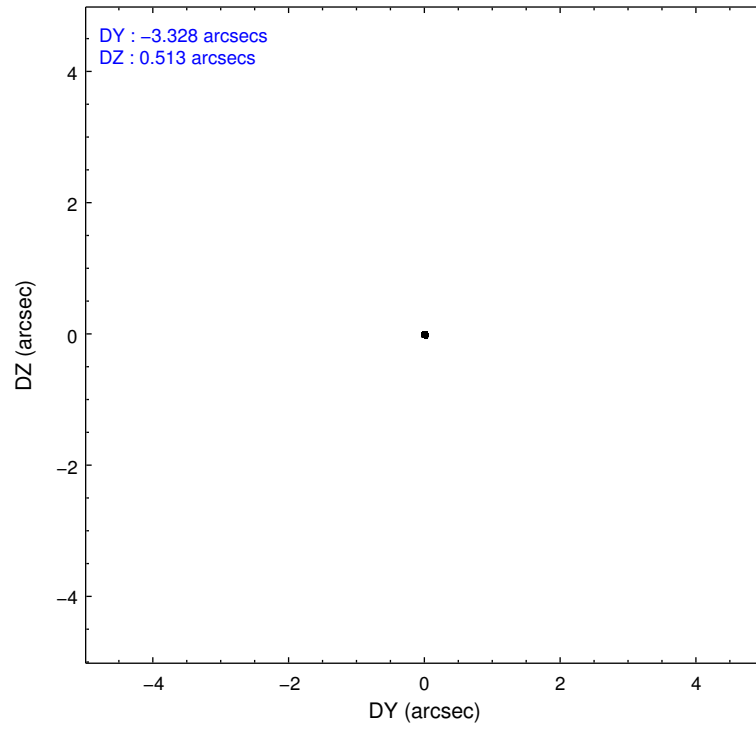
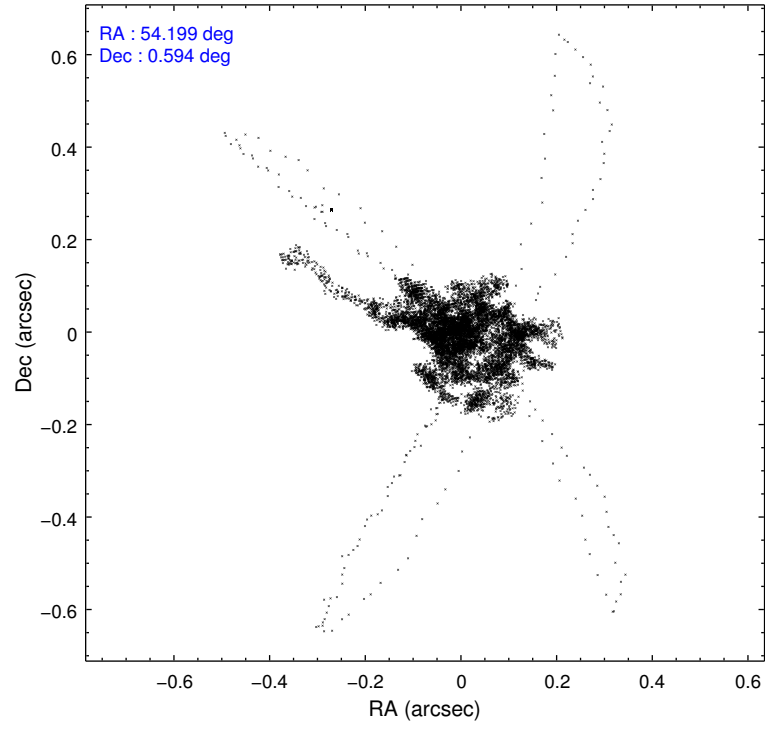
	<b>segment 0</b>
level 1 events	99080
rejected events	2674
rejected %	2%

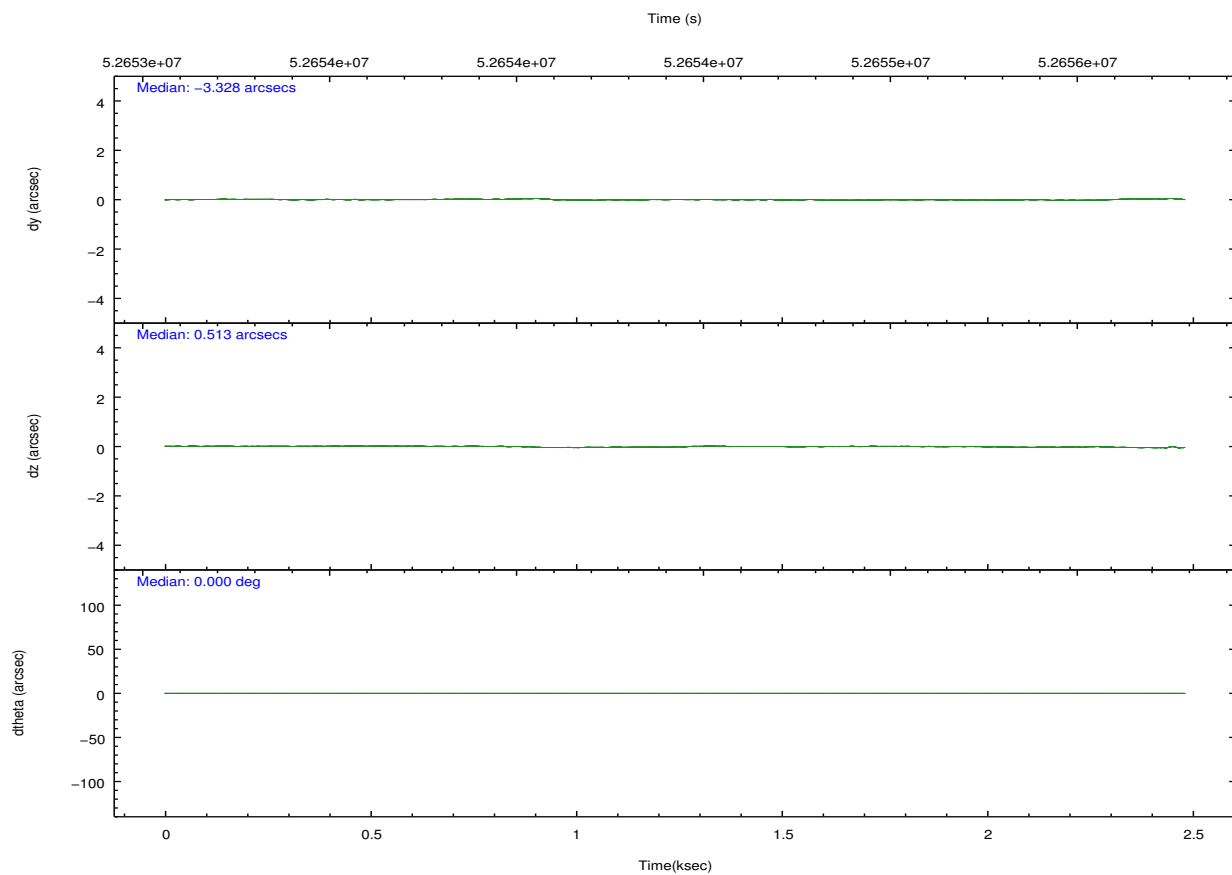
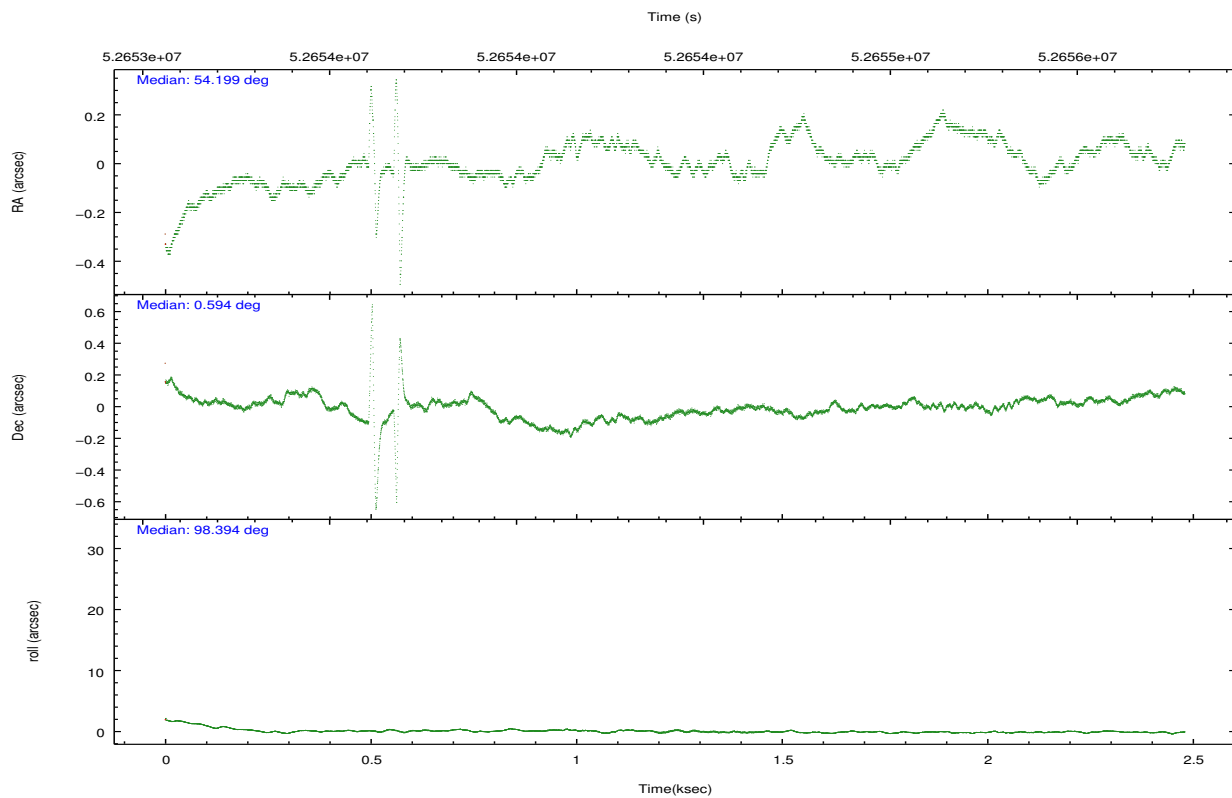
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	54.215436	54.19840014210256
Pointing Dec	0.573170	0.5945775366405927
Pointing Roll	98.498191	98.40289148404419
SIM focus pos (mm)	-1.040293	-1.016036269358593
SIM defocus (mm)	0	0.02425635130028114
SIM translation stage pos (mm)	180.992987	180.9904726674951
SIM translation stage offset (mm)	-54.007493	-54.00498377589349
Observation start time	52653664.184000	52652997.579203
Observation start date	1999-09-02T10:00:00	1999-09-02T09:49:57
Observation end time	52655664.184000	52655797.366803
Observation end date	1999-09-02T10:33:20	1999-09-02T10:36:37

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

## 2.3 Aspect





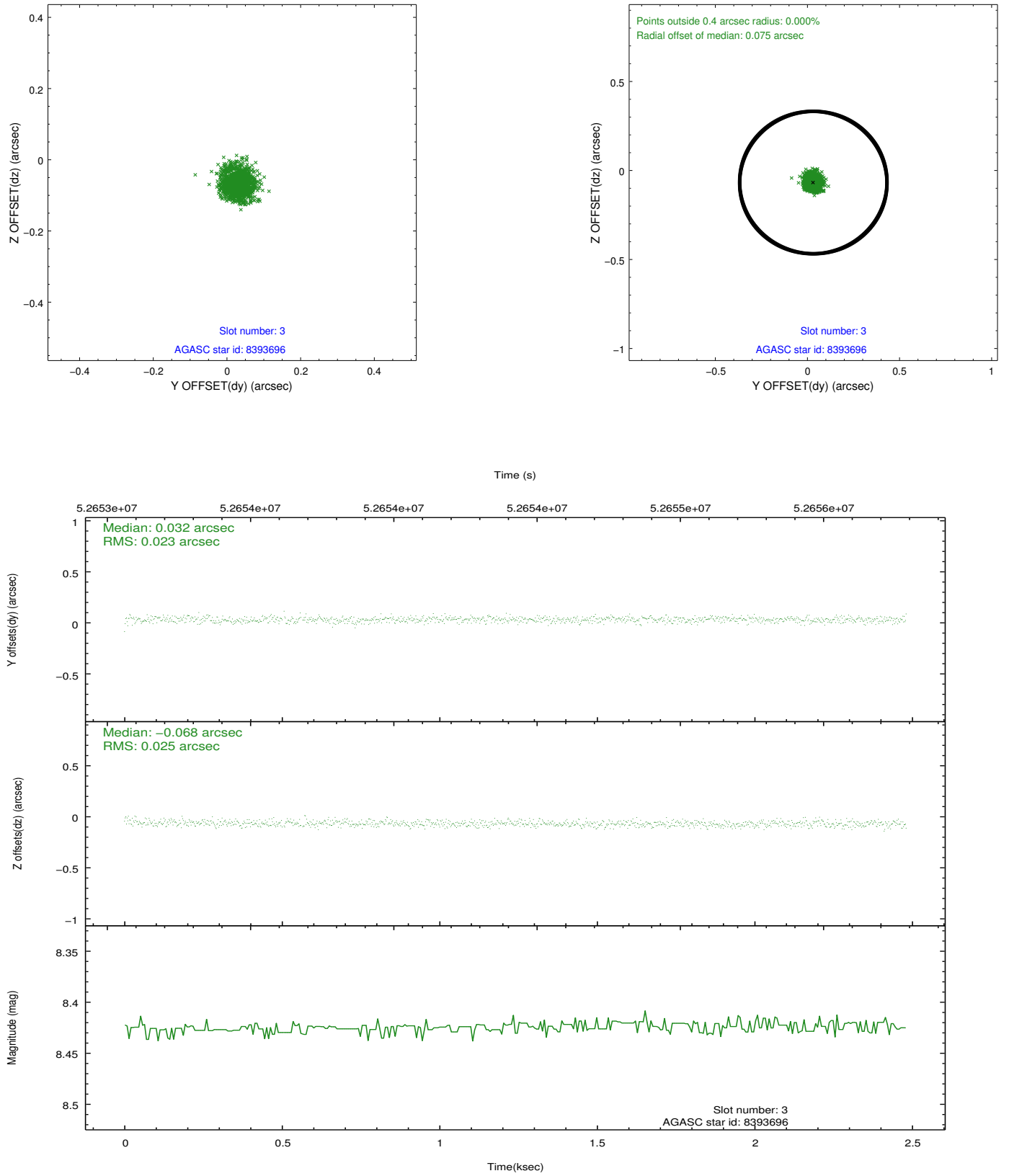
Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.87	1211	0.036	-0.041	0.000	0.000	0.000000	0.000000	-751.58	-2397.62
1	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
2	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	8393696	8.43	1207	0.032	-0.068	0.036	0.058	53.645666	0.680479	685.52	1971.68
4	GUIDE	8398800	8.70	1206	0.091	0.088	0.043	0.067	54.242352	0.922024	1228.97	-279.28
5	GUIDE	8390744	9.01	1206	-0.065	-0.164	0.050	0.081	53.677290	0.926294	1544.87	1728.05
6	GUIDE	8395104	8.66	1208	0.009	0.156	0.040	0.067	54.744893	0.796520	515.82	-2001.87
7	GUIDE	8399352	9.93	1207	-0.065	-0.013	0.082	0.134	53.946831	1.204693	2392.19	619.15

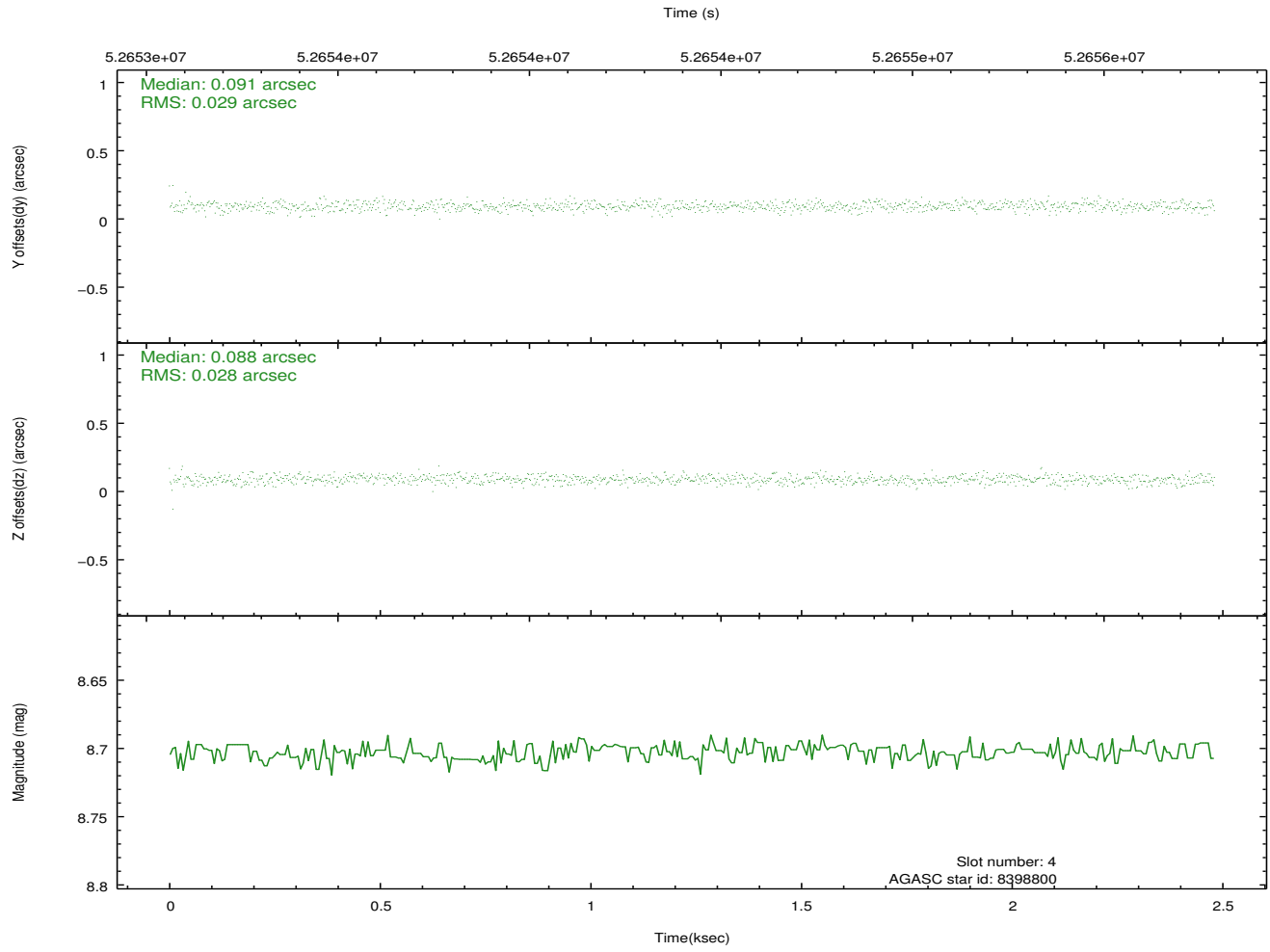
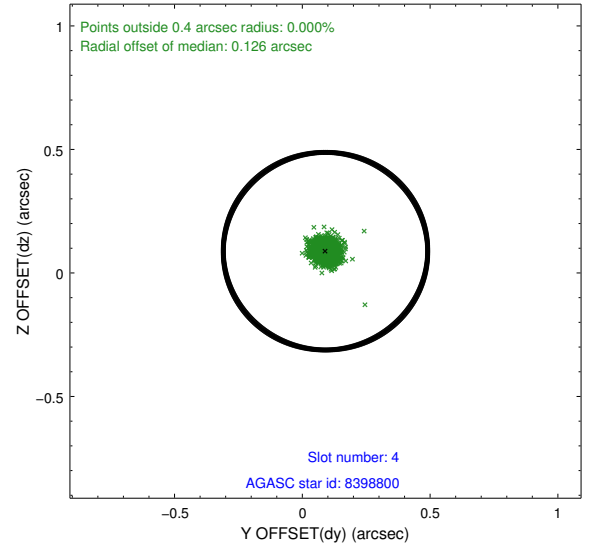
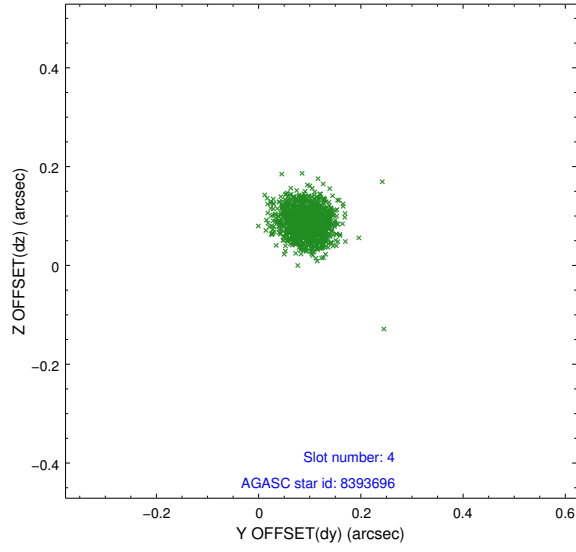


## 2.4 Star Slots

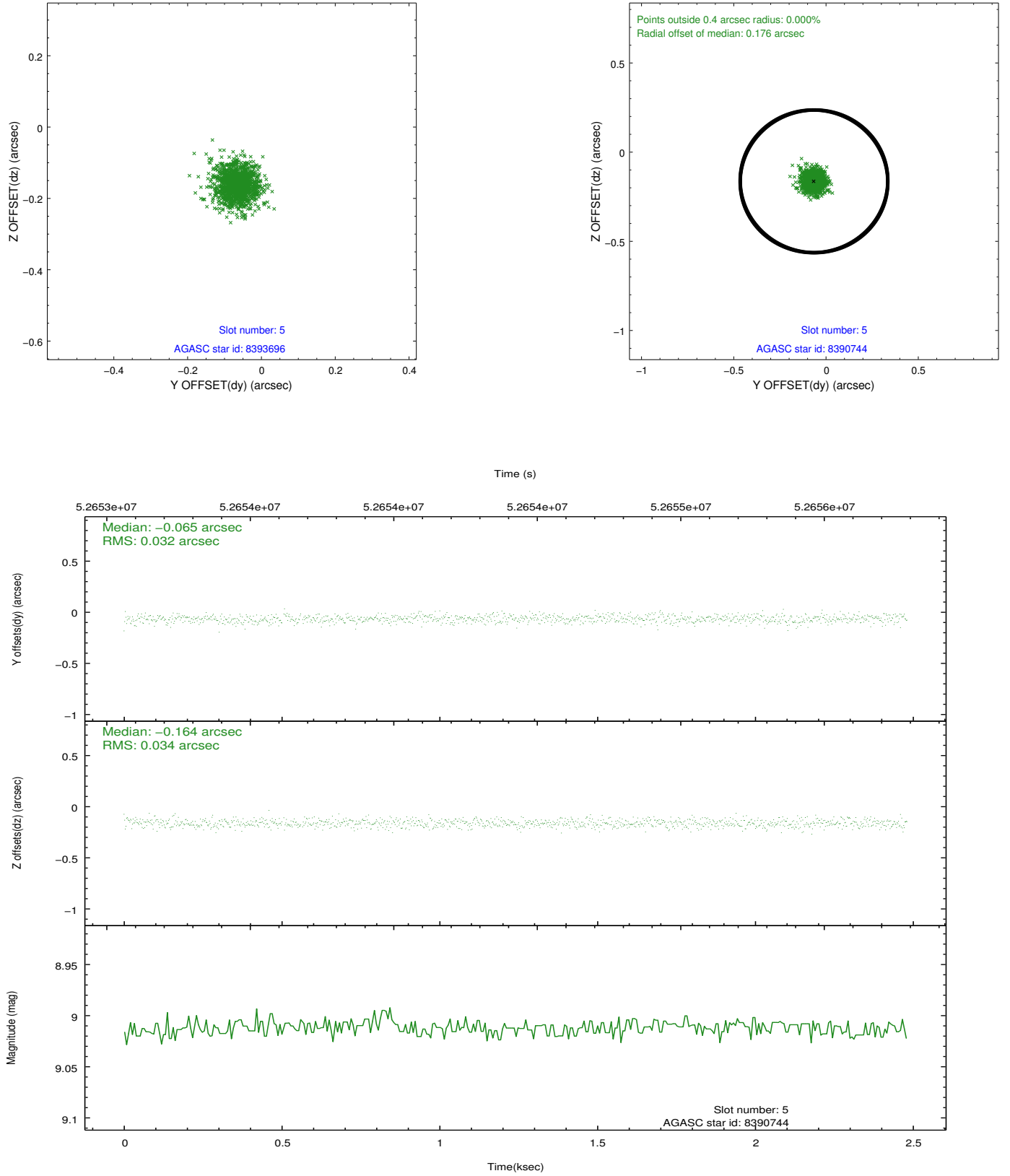
### 2.4.1 Slot 3



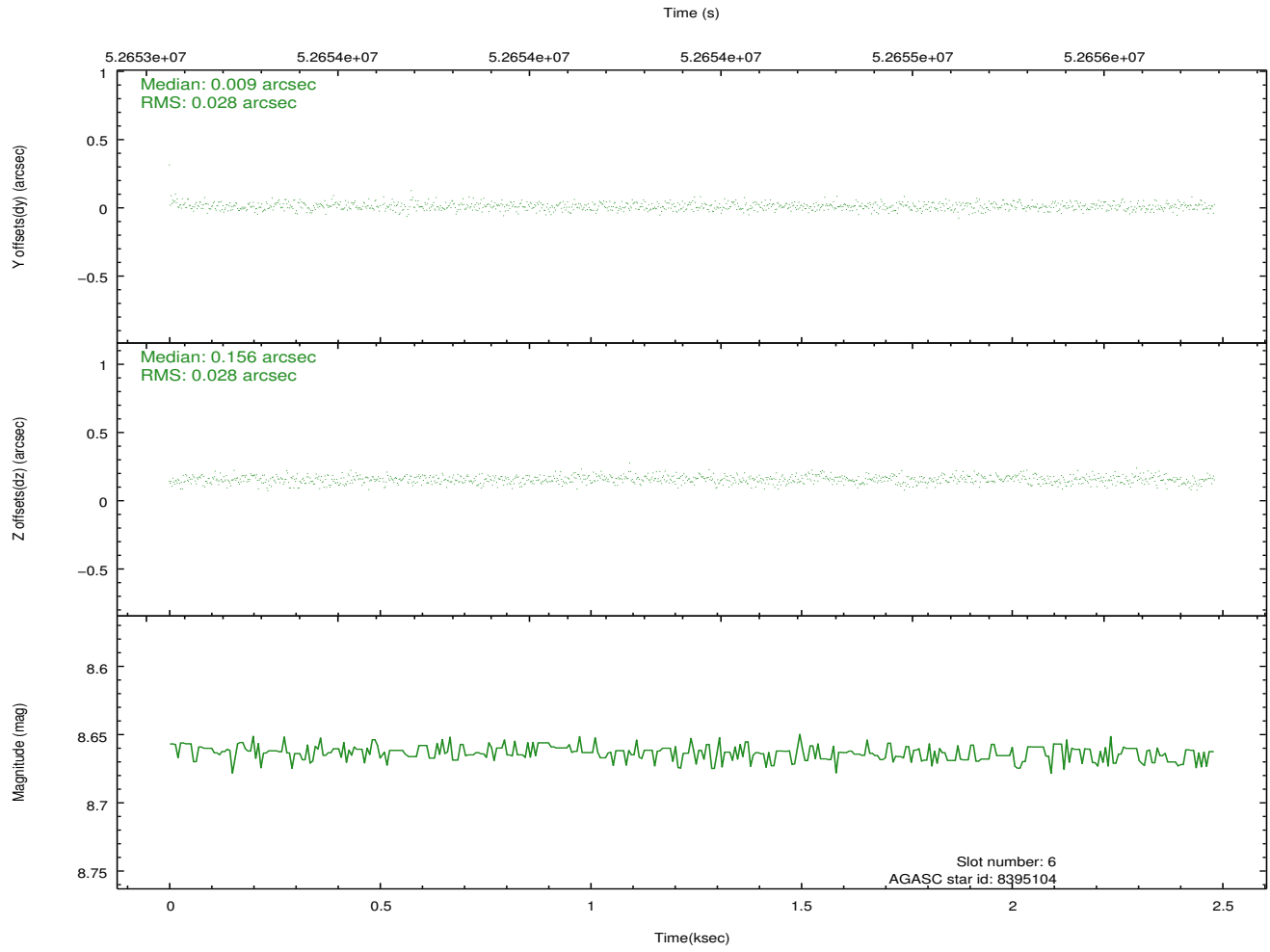
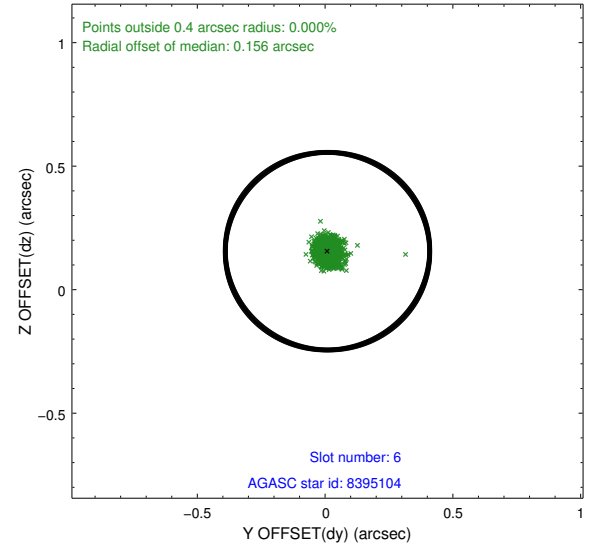
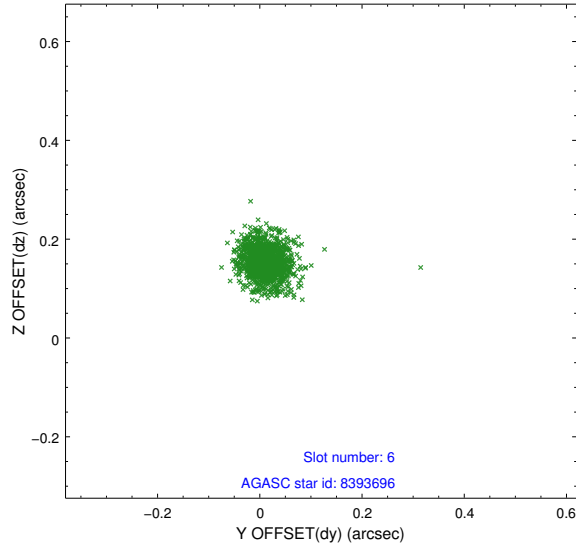
## 2.4.2 Slot 4



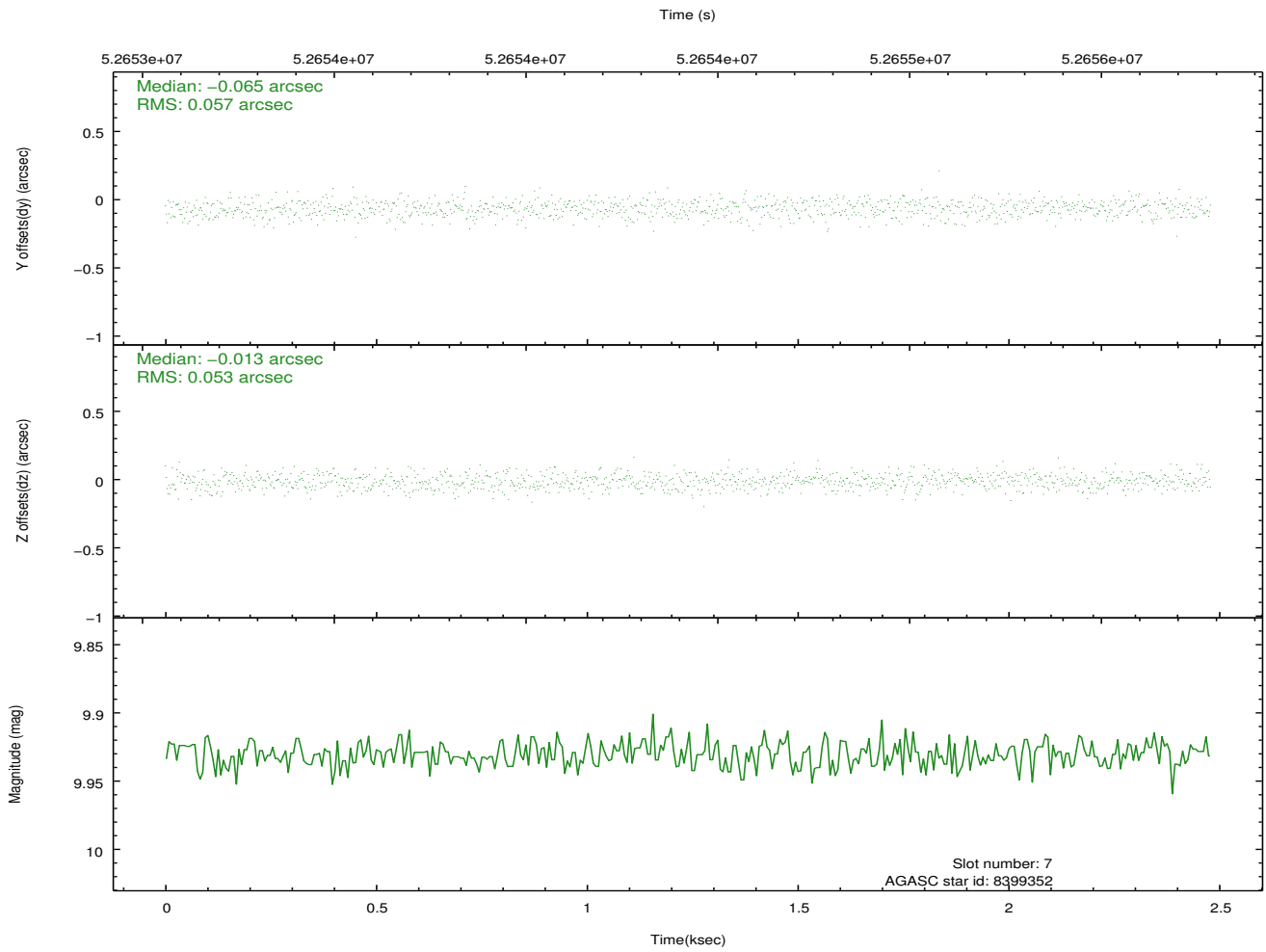
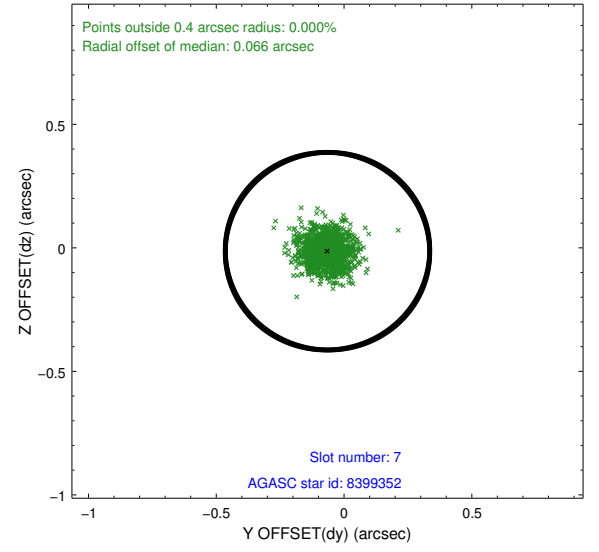
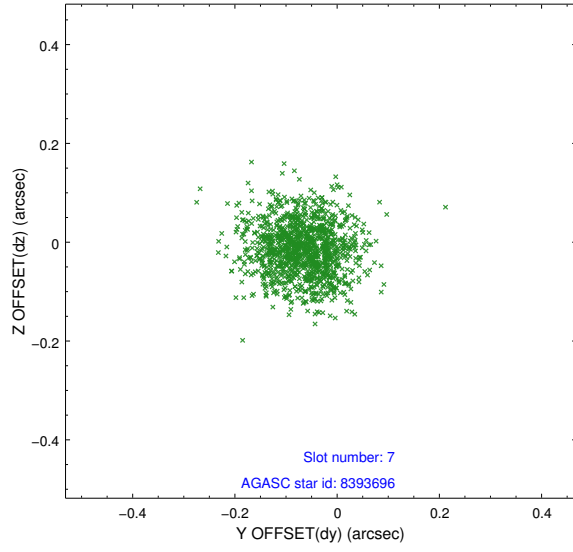
### 2.4.3 Slot 5



## 2.4.4 Slot 6

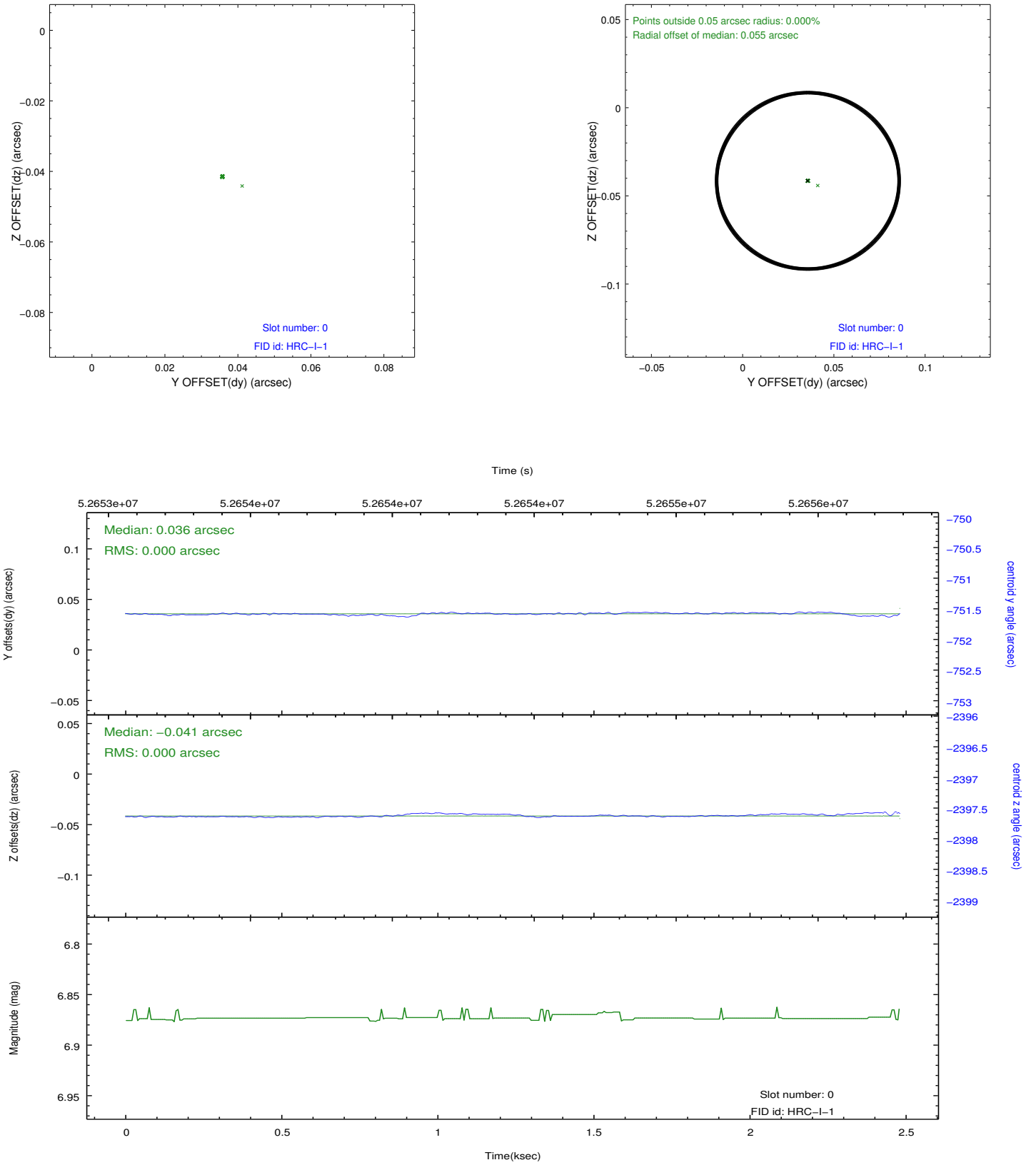


## 2.4.5 Slot 7



## 2.5 FID Slots

### 2.5.1 Slot 0



### 3 Point Sources

18.21 arcmin



# A Summary

## A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.02.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.674

## A.2 Comments

The fid light in Slot 1 was removed from the aspect solution due to poor data quality. The aspect solution is not expected to be degraded by removing one fid light or guide star from the solution.

Slot 2 was not utilized in this observation.