

# V&V Reference Report

## L2 ASCDS Version : 8.2.1

Observation 1206 - L2 Version 3

Chandra X-Ray Center

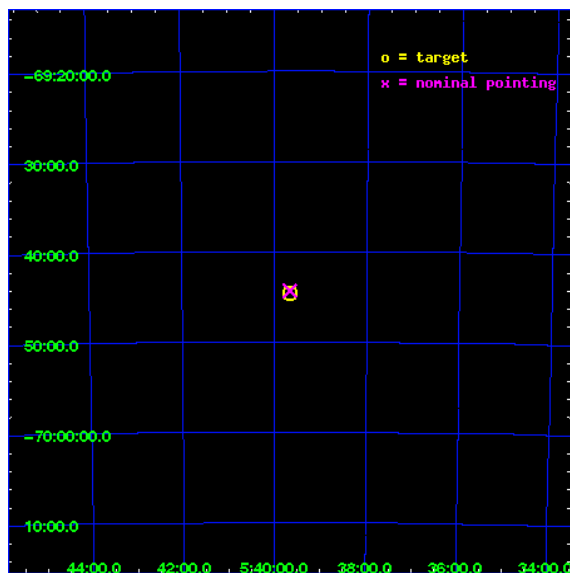
L2 Processing Date : Feb 1 2010

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# 1 Front

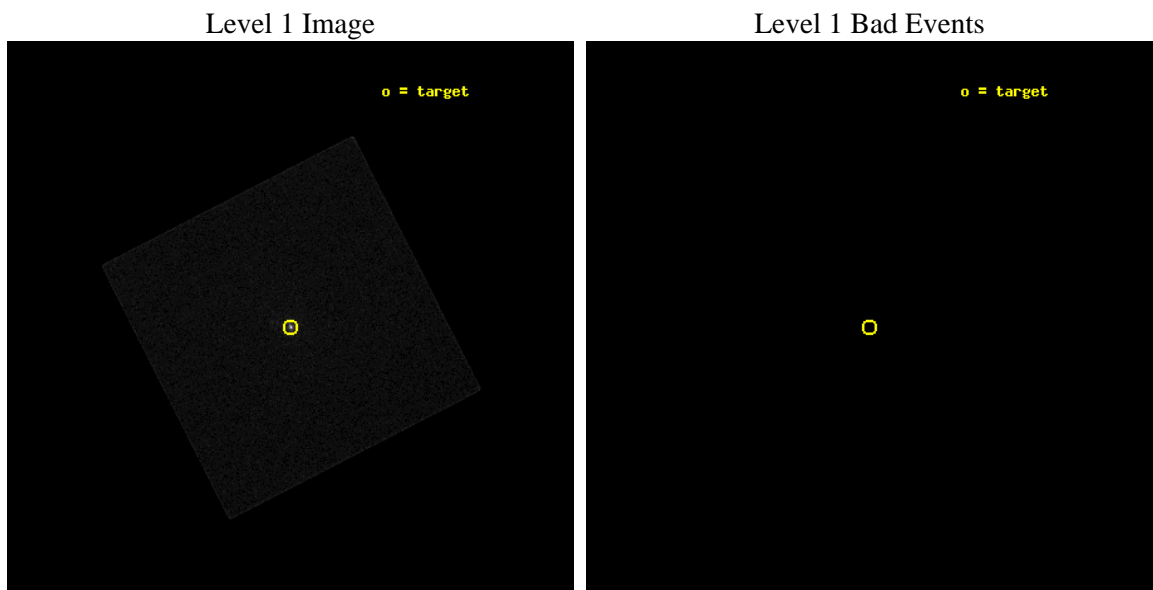
seq_num	480156	Sequence number
obs_id	1206	Observation id
title	&#160	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	LMC X-1	Source name
ra_targ	84.914583	Observer's specified target RA
dec_targ	-69.743611	Observer's specified target Dec
ra_nom	84.916225738774	Nominal RA
dec_nom	-69.73883216291	Nominal Dec
roll_nom	107.98920185837	Nominal Roll
revision	3	Processing version of data
ontime	0.0	[s]
livetime	0.0	Ontime multiplied by DTCOR
l2events	0	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	5400.000000	Scheduled observation exposure time
ascdsver	8.2.1	Processing system revision	ontime	0.0	[s]
caldbver	4.1.5	&#160	l1events	284739	Number of level 1 events
date	2010-02-02T02:02:47	Date and time of file creation			
revision	3	Processing version of data			

### 2.1.3 Events

#### Level 1 Events

	<b>segment 0</b>
level 1 events	284739
rejected events	0
rejected %	0%

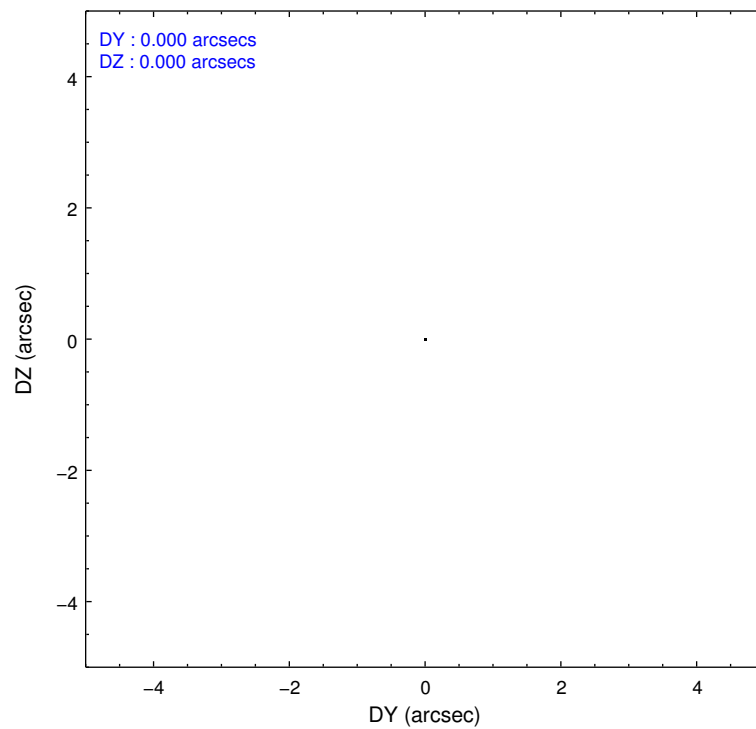
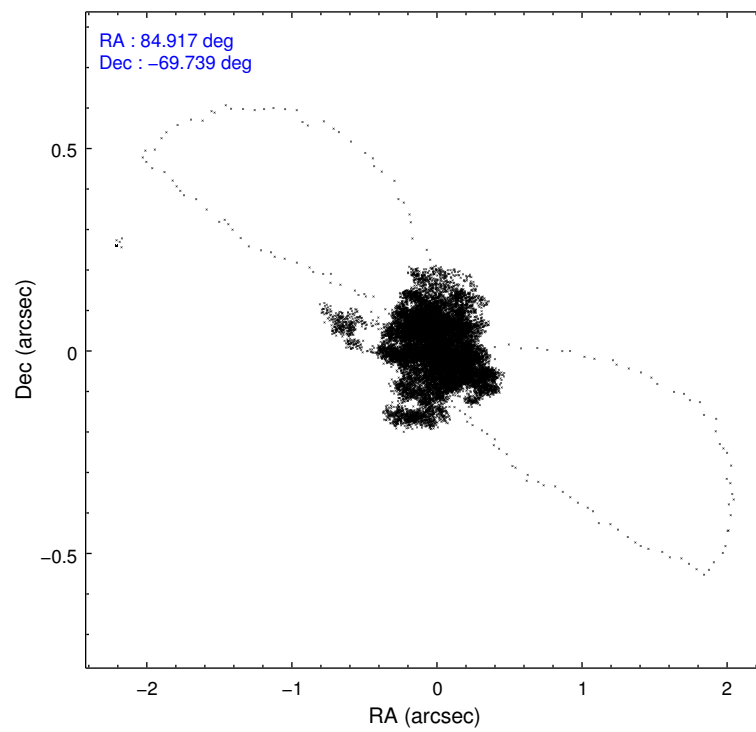


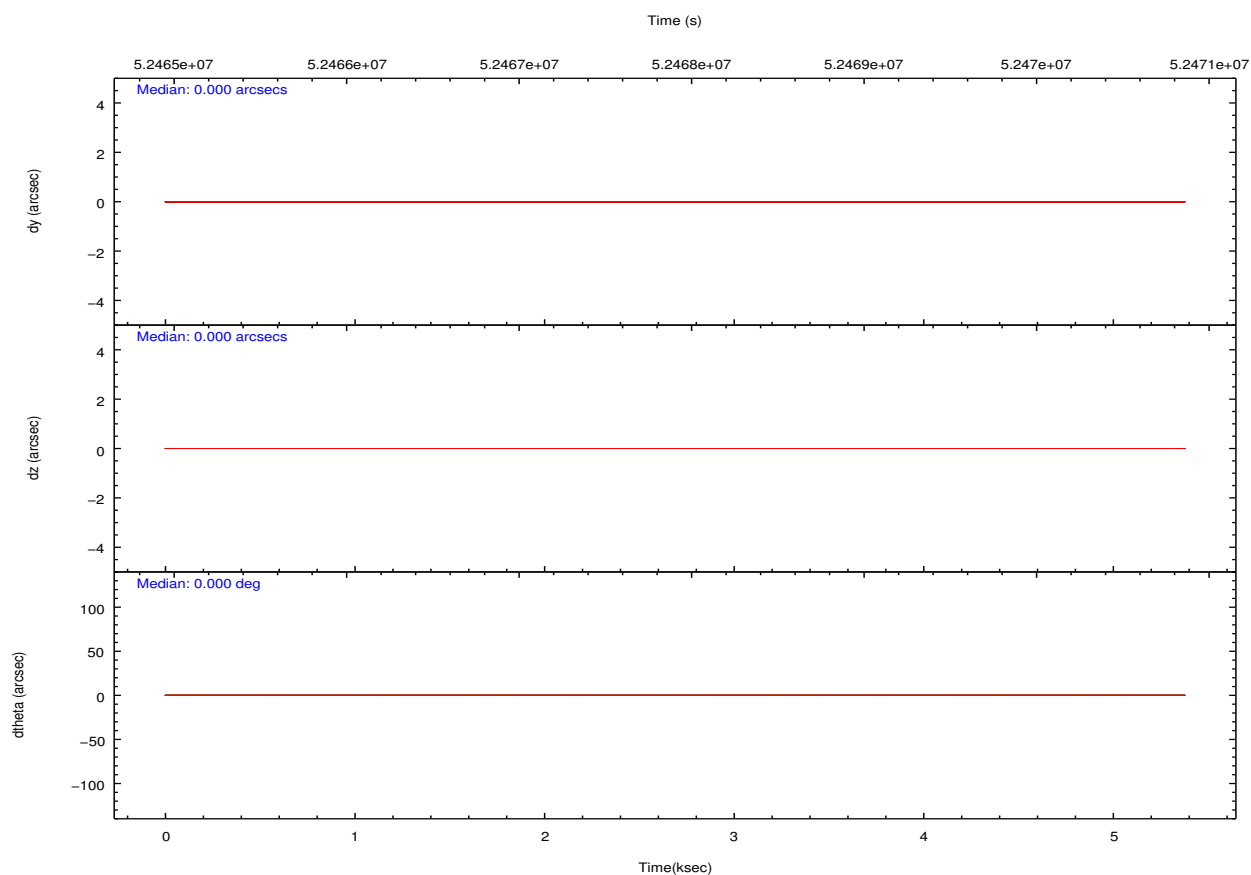
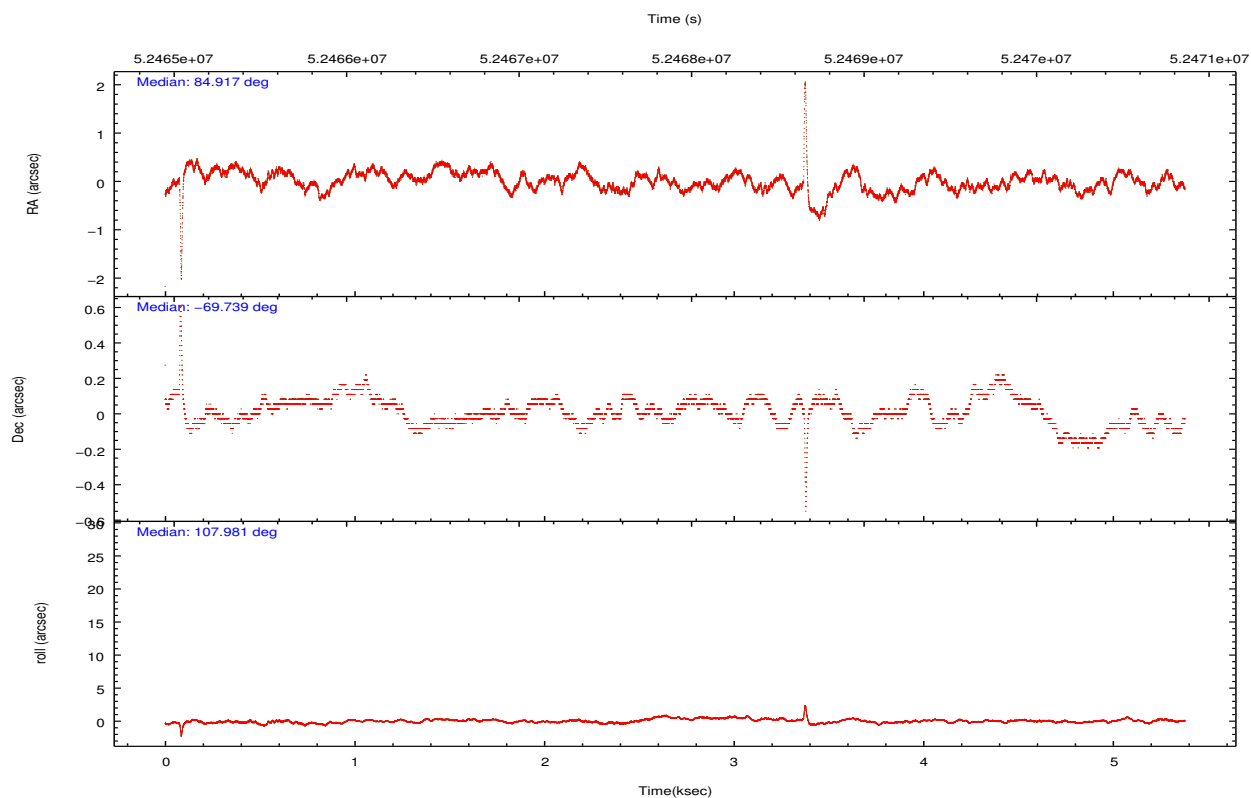
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	84.974973	84.91622573877378
Pointing Dec	-69.757107	-69.73883216291043
Pointing Roll	108.139814	107.9892018583687
SIM focus pos (mm)	-0.040293	0.255451383487682
SIM defocus (mm)	1	1.295744004146556
SIM translation stage pos (mm)	126.985494	126.9829799899862
SIM translation stage offset (mm)	0	0.002508901615314585
Observation start time	52465264.184000	52465213.472457
Observation start date	1999-08-31T05:40:00	1999-08-31T05:40:13
Observation end time	52470664.184000	52470594.72265
Observation end date	1999-08-31T07:10:00	1999-08-31T07:09:54

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

## 2.3 Aspect



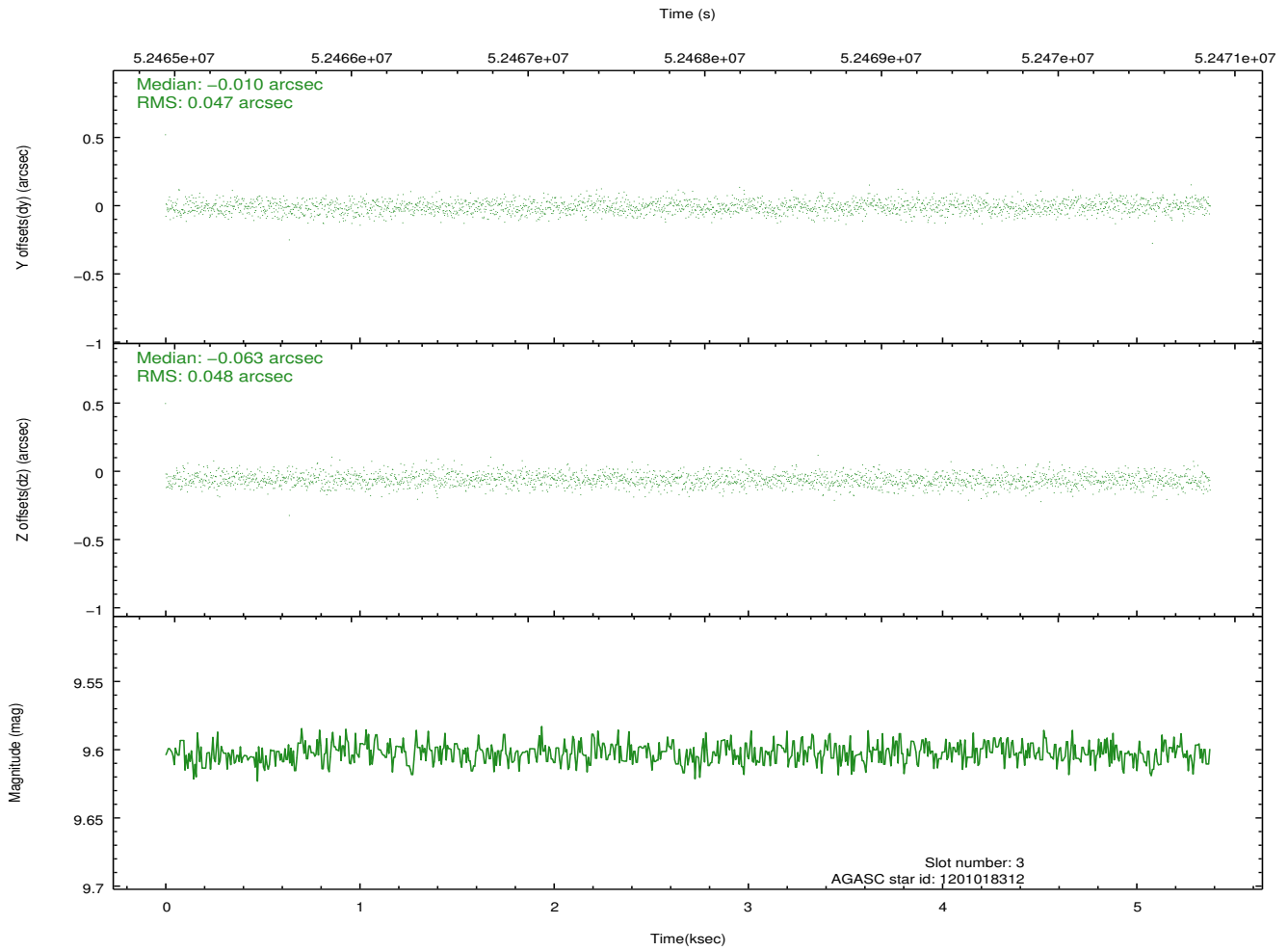
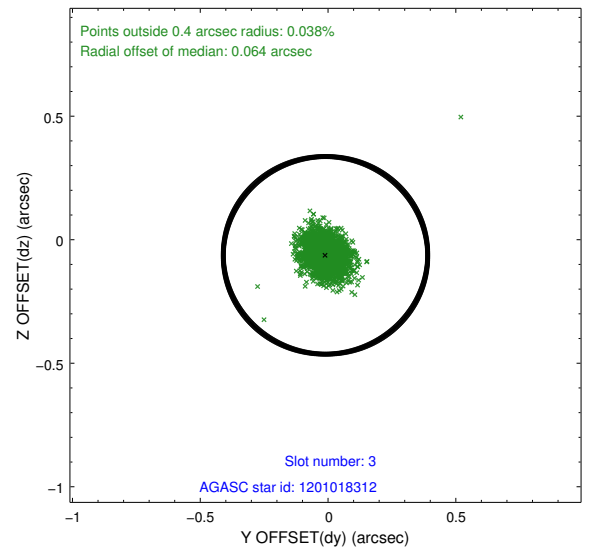
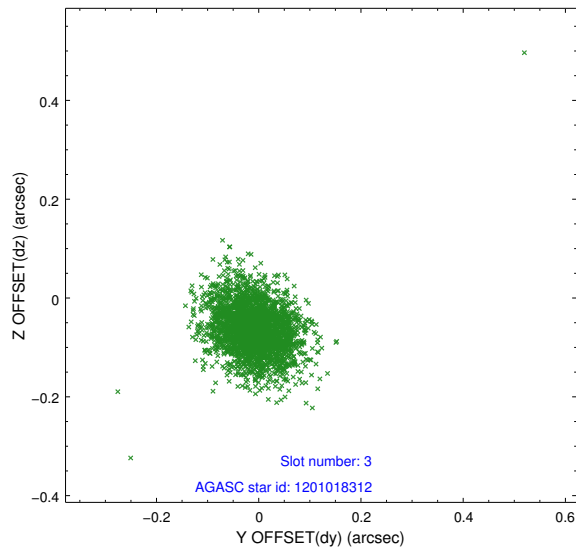


Slot Statistics

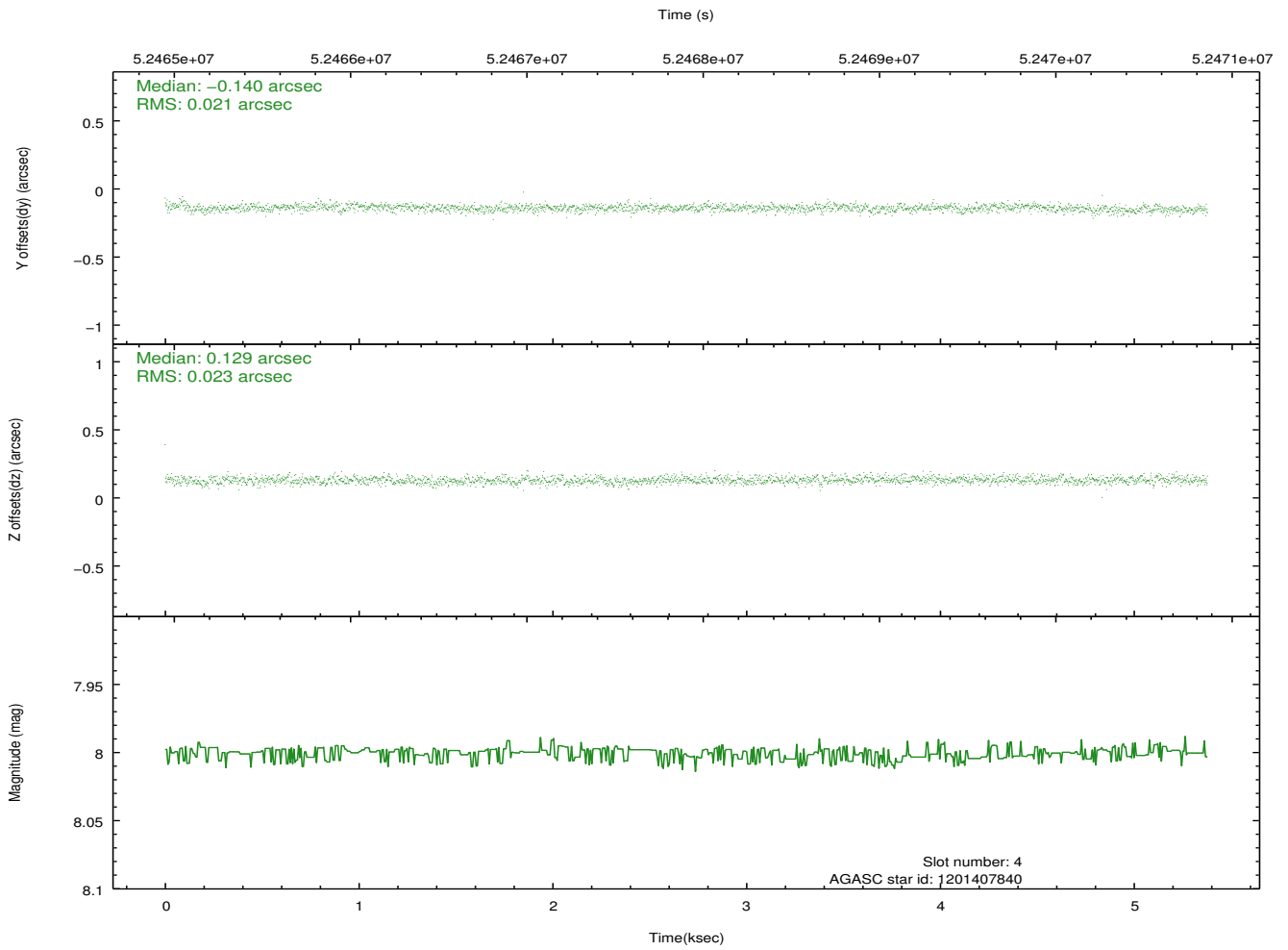
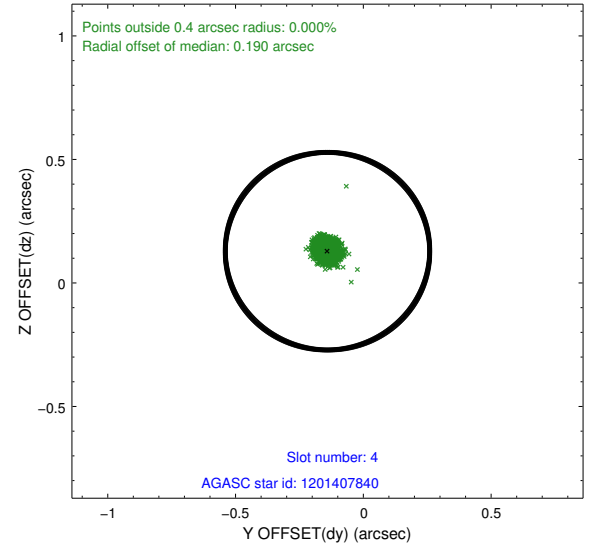
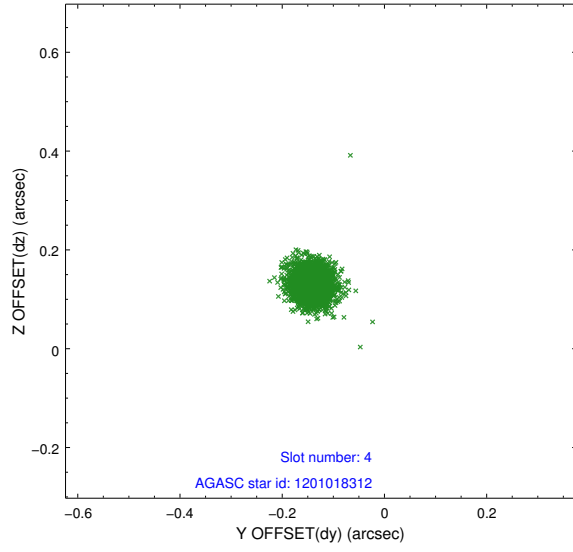
slot	status	id	mag	n_pts	med_dy	med_dz	drl	dr2	ra	dec	mean_y	mean_z
0	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
1	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
2	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	1201018312	9.60	2622	-0.010	-0.063	0.068	0.115	86.298231	-69.115627	1649.27	-2326.31
4	GUIDE	1201407840	8.00	2623	-0.140	0.129	0.032	0.054	83.696303	-70.172201	-948.91	1953.65
5	GUIDE	1201411368	10.05	2622	0.134	-0.163	0.090	0.158	83.629696	-70.495613	-2040.26	2370.68
6	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
7	GUIDE	1201540776	9.60	2624	0.015	0.094	0.063	0.103	85.107945	-69.858480	-398.60	-41.51

## 2.4 Star Slots

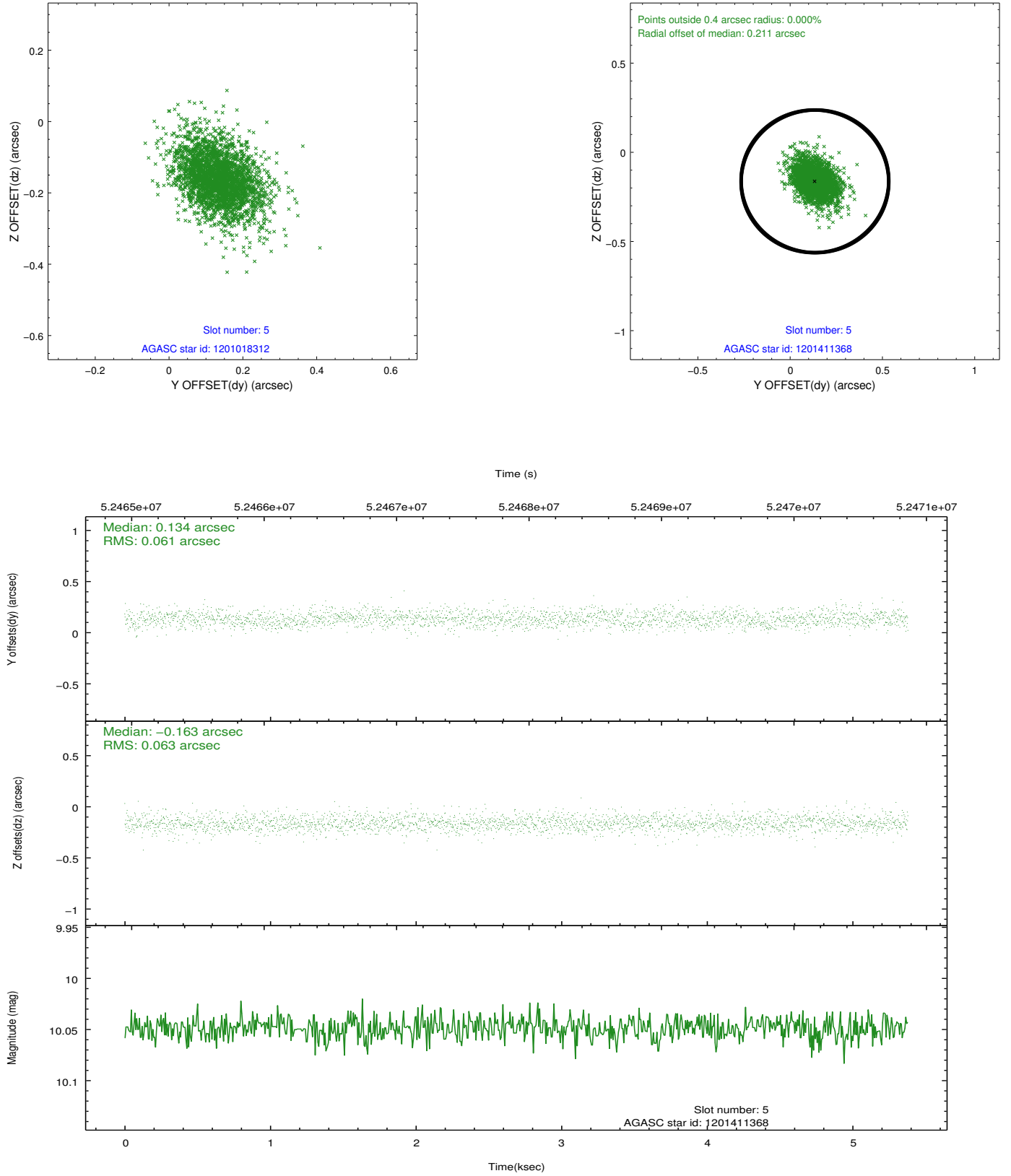
### 2.4.1 Slot 3



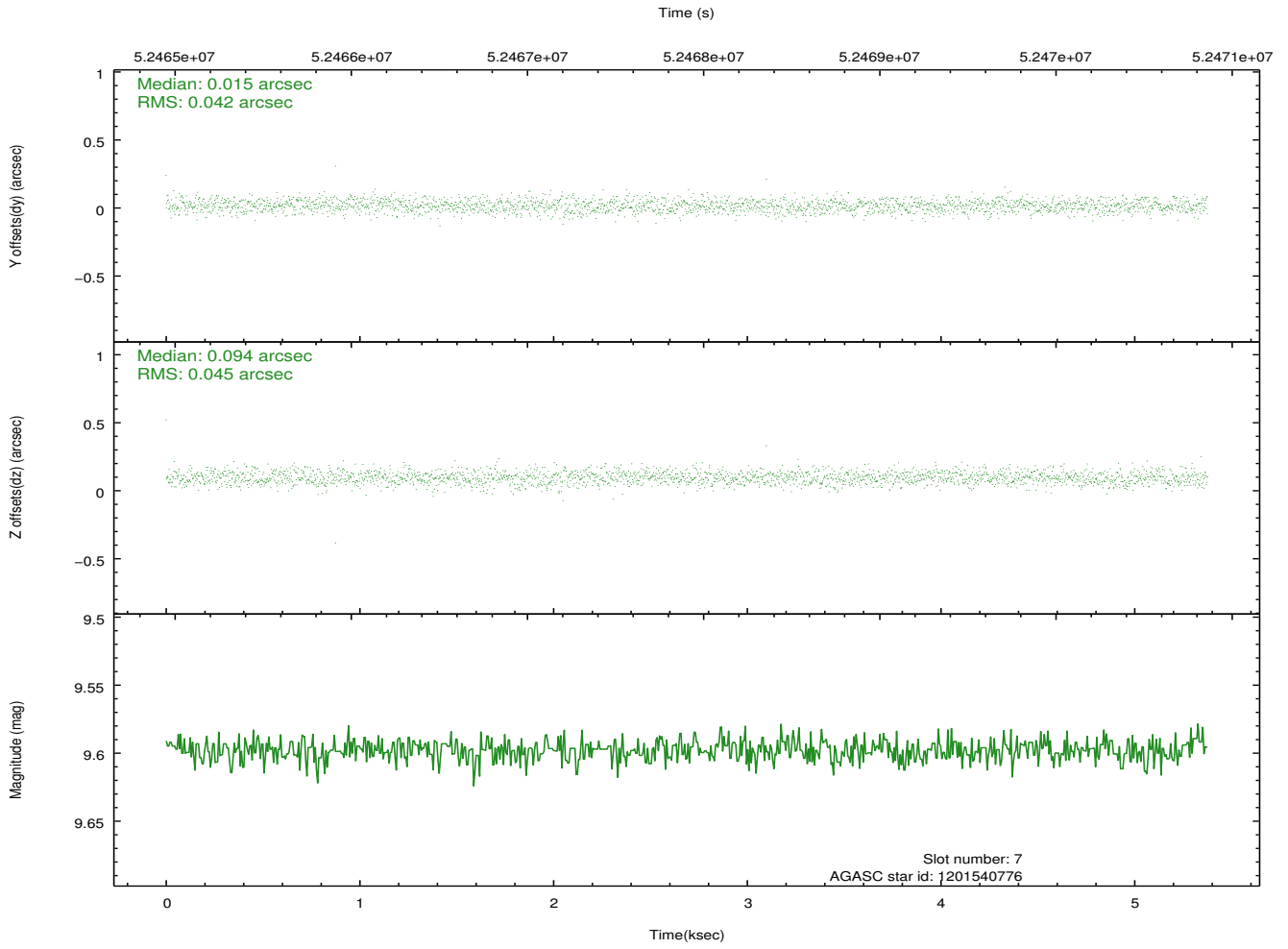
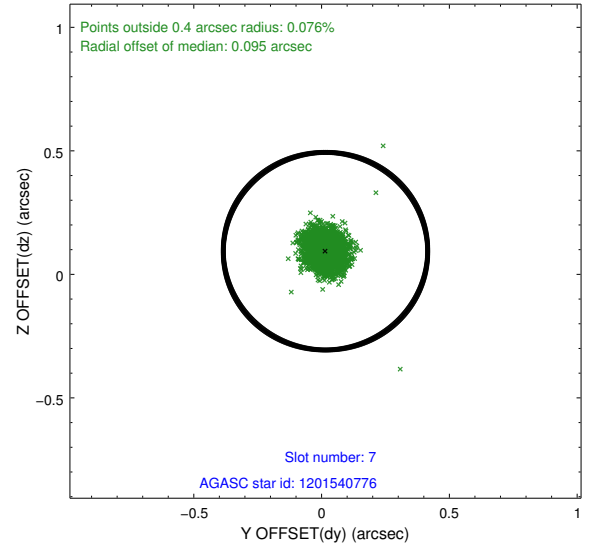
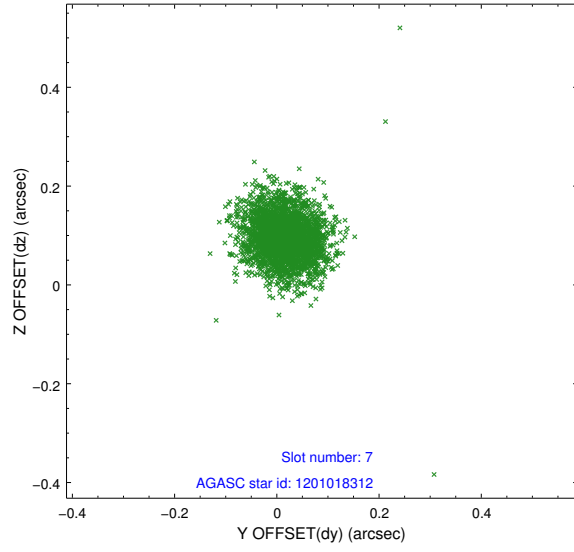
## 2.4.2 Slot 4



### 2.4.3 Slot 5



## 2.4.4 Slot 7





## 2.5 FID Slots

### 3 Point Sources

# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.02.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3

## A.2 Comments

HRC shutter location and focus test. All fid lights blocked by HRC shutter. No fid lights were used during this observation, so there is no Good Time

Interval. As a result, there are no Level 2 events. However, the Level 1

event energy data are good. The aspect solution is compromised.

Also, the guide star in slot 6 was removed from the aspect solution due to

poor data quality.

===Jump in high voltage beginning 3.6 ksec into the observation and ending

about 5 ksec into the observation. During this time there were no counts

detected.