

# V&V Reference Report

## L2 ASCDS Version : 8.1.1

Observation 1424 - L2 Version 5

Chandra X-Ray Center

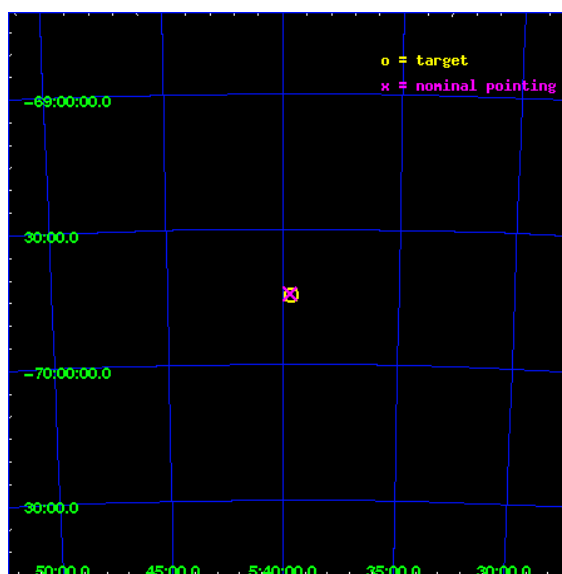
L2 Processing Date : Nov 20 2009

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# 1 Front

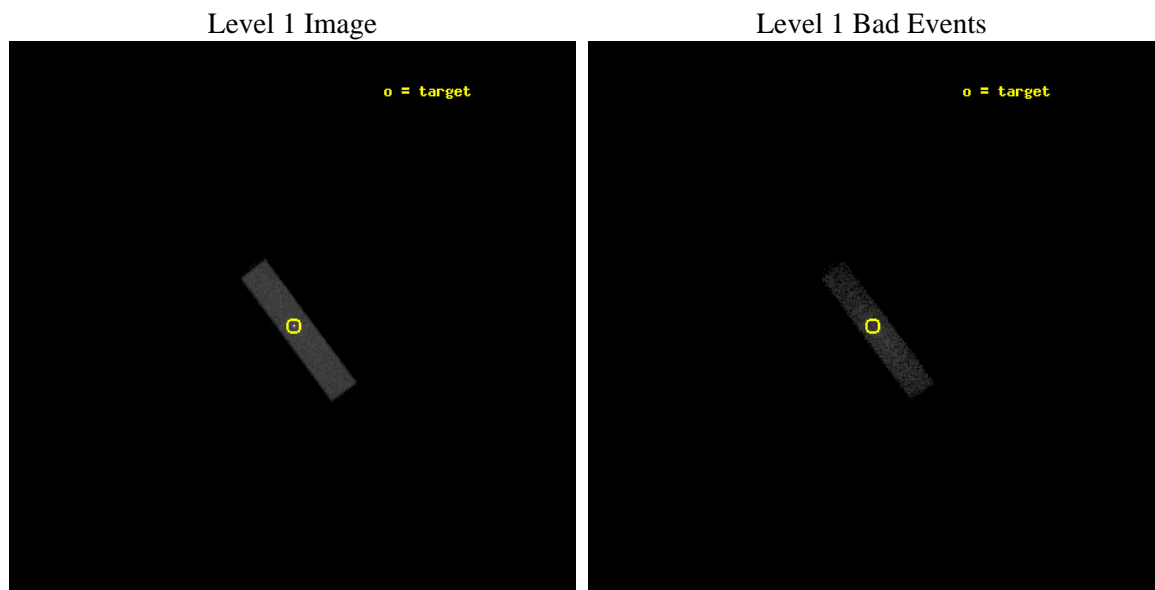
seq_num	480374	Sequence number
obs_id	1424	Observation id
title	&#160	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	LMC X-1	Source name
ra_targ	84.914583	Observer's specified target RA
dec_targ	-69.743611	Observer's specified target Dec
ra_nom	84.926502198896	Nominal RA
dec_nom	-69.738757338262	Nominal Dec
roll_nom	53.151092632187	Nominal Roll
revision	5	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	1000.000000	Scheduled observation exposure time
ascdsver	8.1.1	Processing system revision	ontime	0.0	[s]
caldbver	4.1.4	&#160	l1events	97011	Number of level 1 events
date	2009-11-20T14:05:59	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

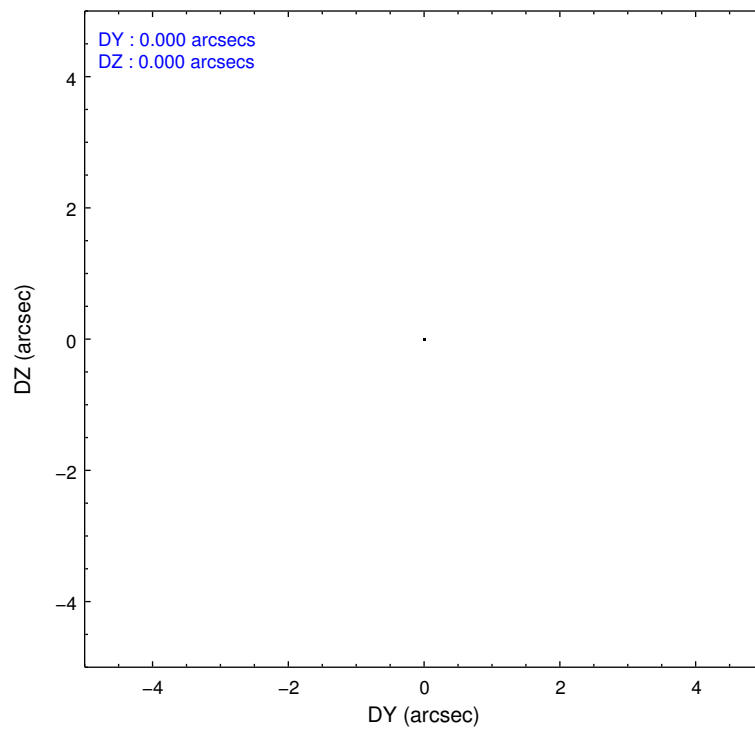
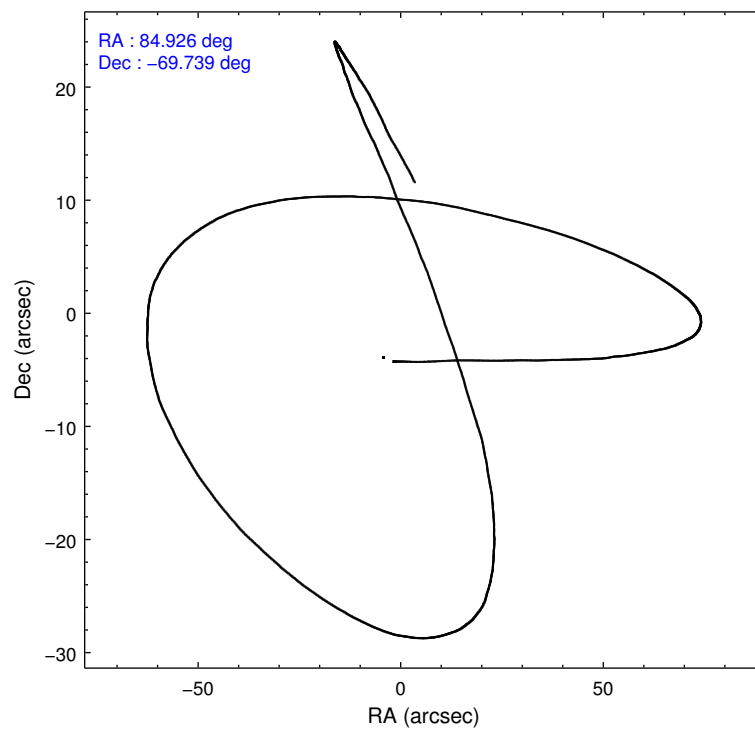
	segment 1	segment 2	segment 3
level 1 events	0	97011	0
rejected events	0	15006	0
rejected %	0%	15%	0%

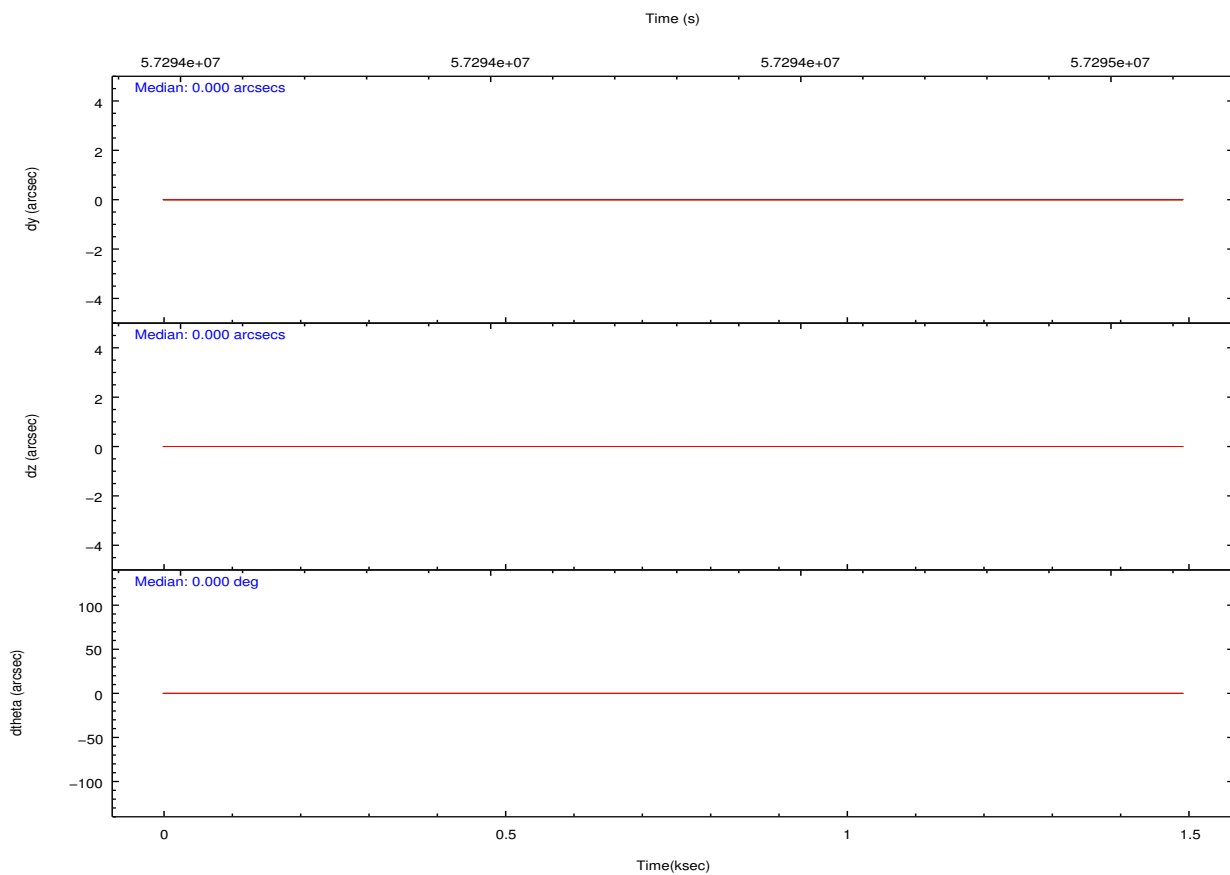
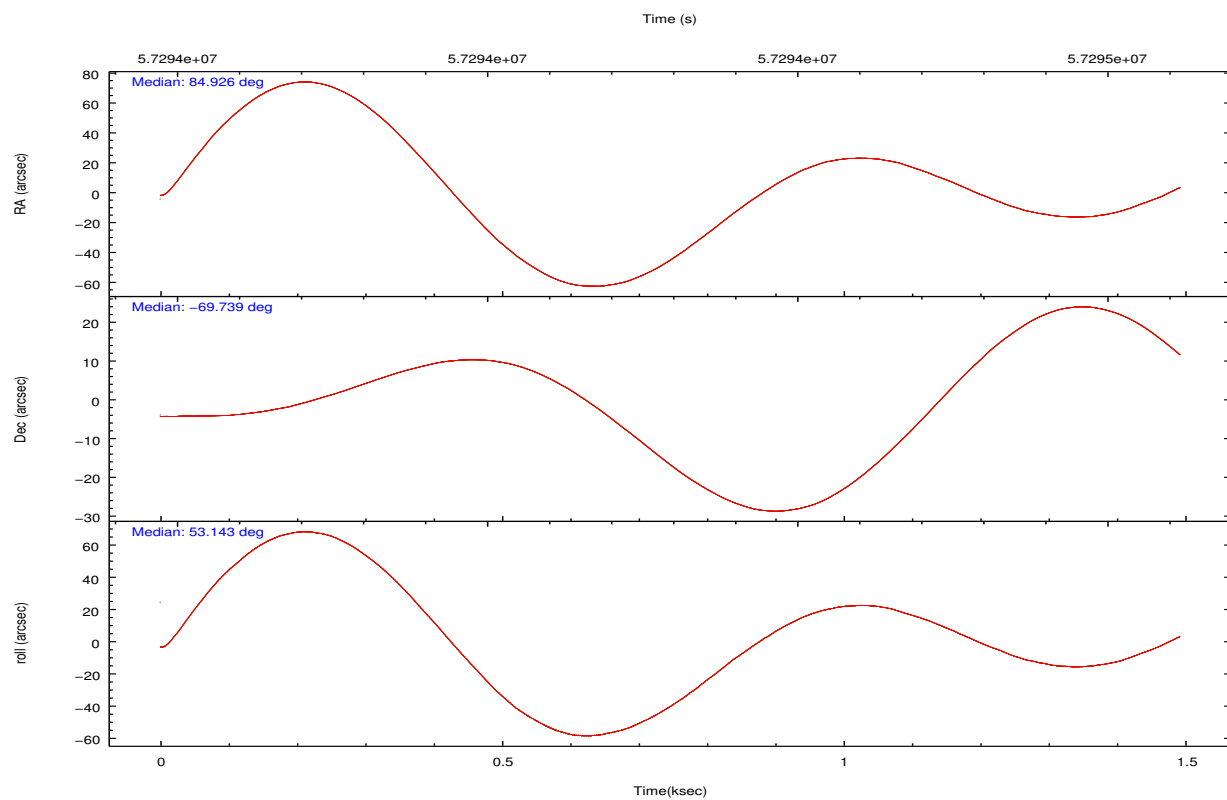
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	84.917223	84.92650219889637
Pointing Dec	-69.768473	-69.73875733826186
Pointing Roll	53.075046	53.15109263218697
SIM focus pos (mm)	-1.491716	-1.566892937067093
SIM defocus (mm)	0.04162077104332875	-0.03355629766279655
SIM translation stage pos (mm)	250.455976	250.466033080201
SIM translation stage offset (mm)	0	-0.01005468664627074
Observation start time	57294038.184000	57293372.626435
Observation start date	1999-10-26T02:59:34	1999-10-26T02:49:32
Observation end time	57295038.184000	57295173.039
Observation end date	1999-10-26T03:16:14	1999-10-26T03:19:33

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

## 2.3 Aspect





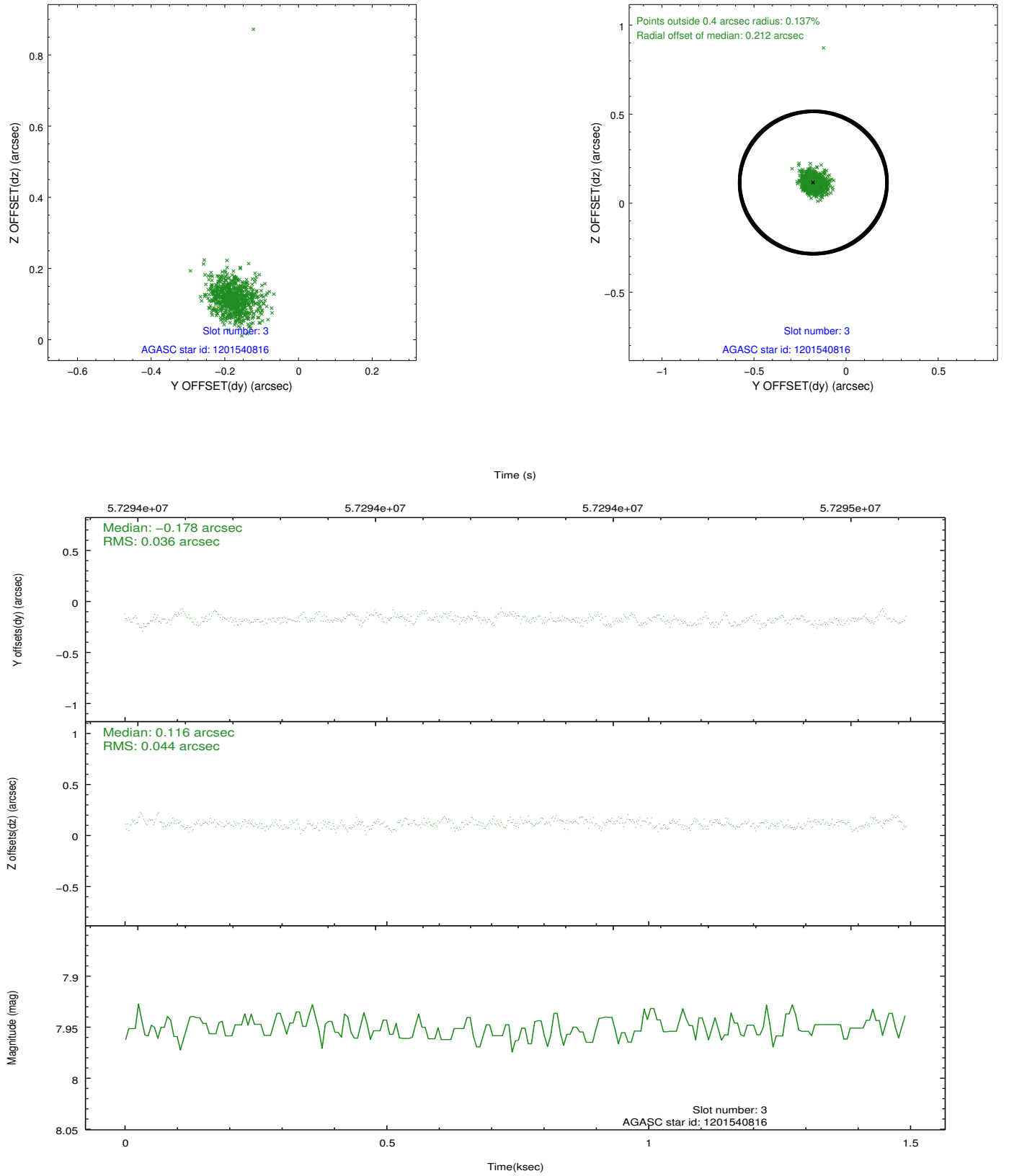
Slot Statistics

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	1201540816	7.95	729	-0.178	0.116	0.054	0.087	86.998494	-69.749817	1572.24	-2058.03
4	GUIDE	1201540944	8.22	729	0.077	-0.021	0.078	0.142	87.496877	-69.685010	2120.87	-2439.10
5	GUIDE	1201407840	7.96	729	-0.003	-0.084	0.060	0.109	83.696303	-70.172201	-2070.55	306.57
6	GUIDE	1201410616	9.37	729	0.057	-0.080	0.122	0.195	82.516808	-69.784406	-1893.41	2317.62
7	GUIDE	1201406992	9.28	728	0.050	0.068	0.089	0.143	83.682859	-69.471866	-101.83	1881.56

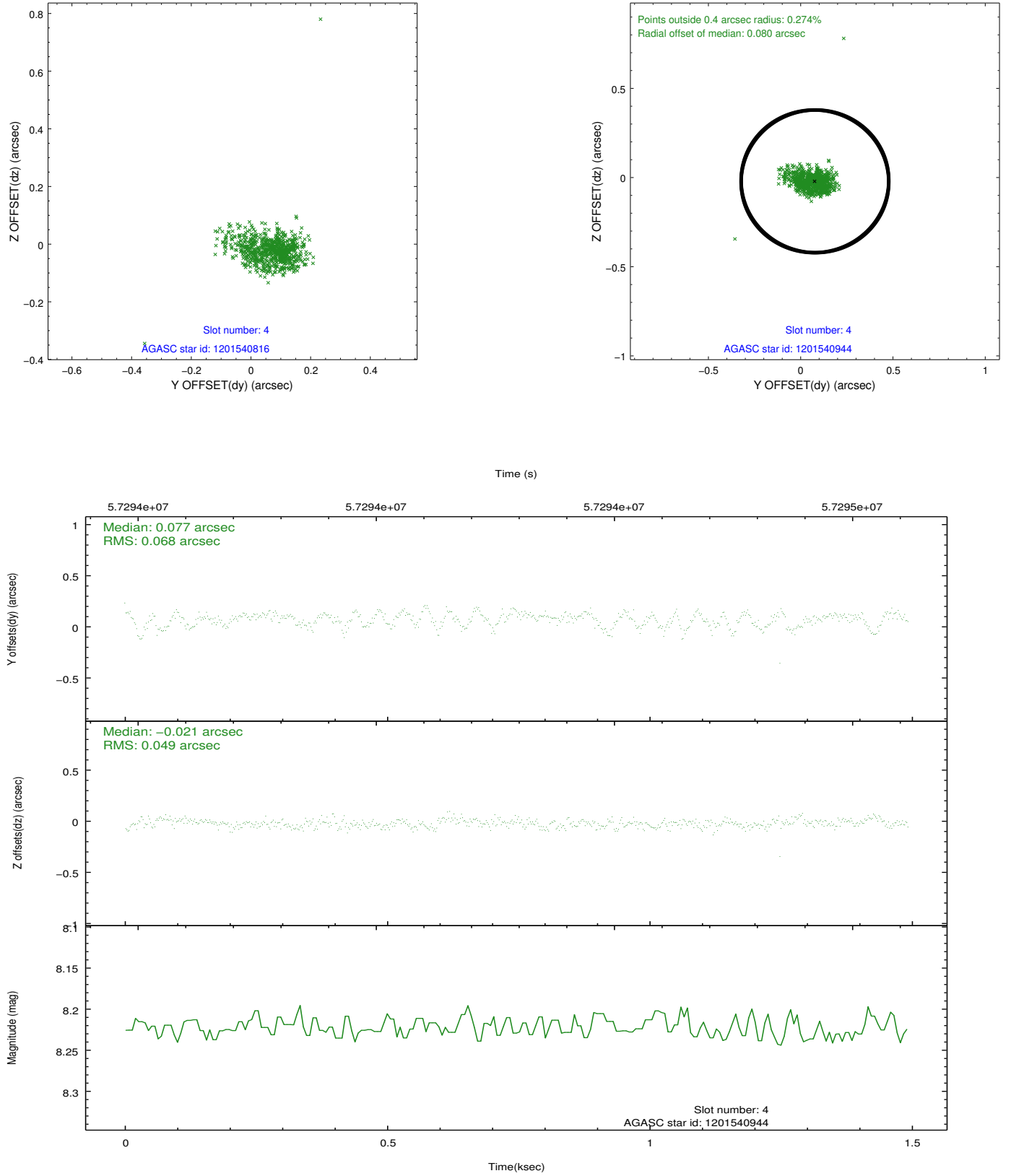


## 2.4 Star Slots

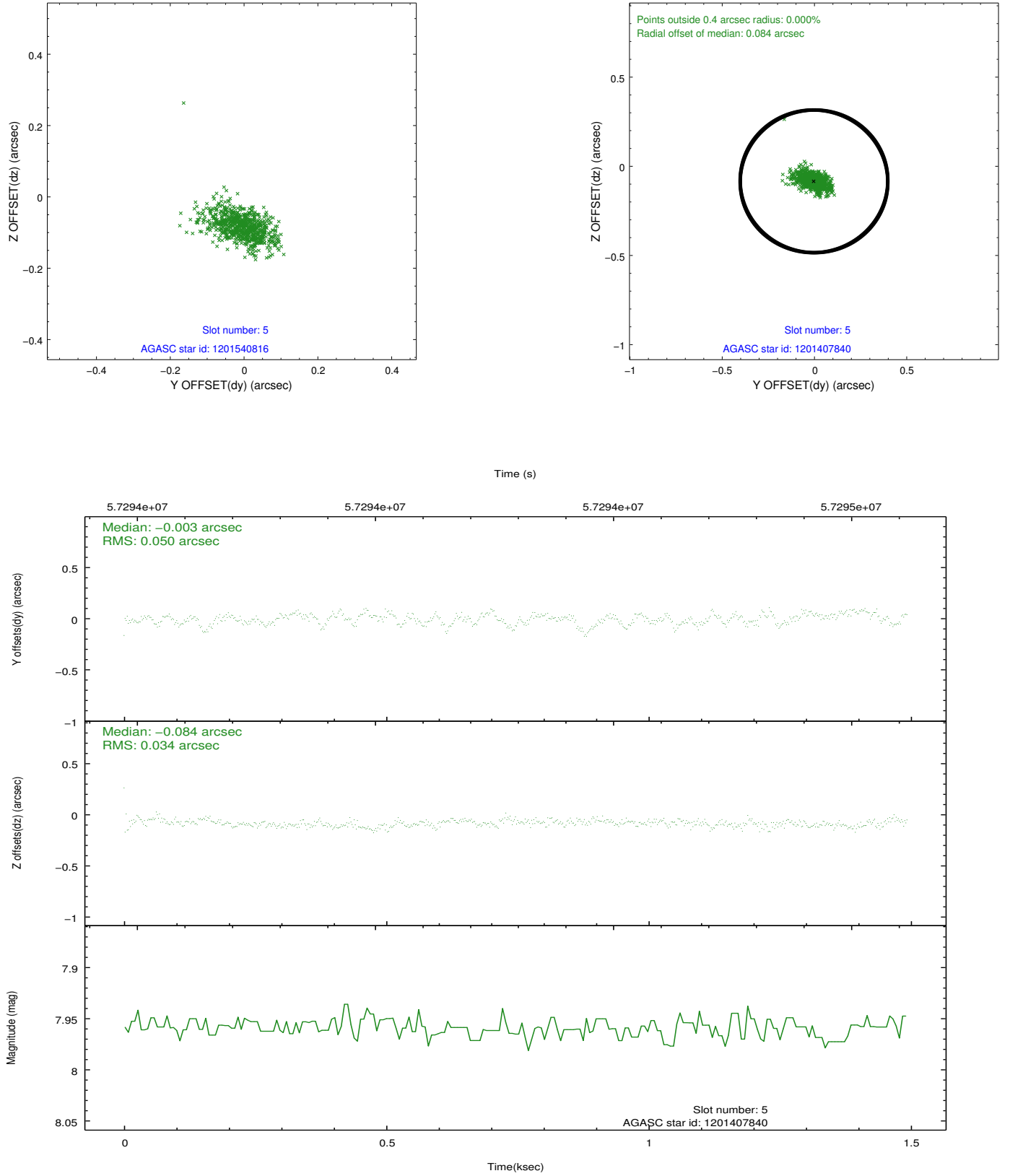
### 2.4.1 Slot 3



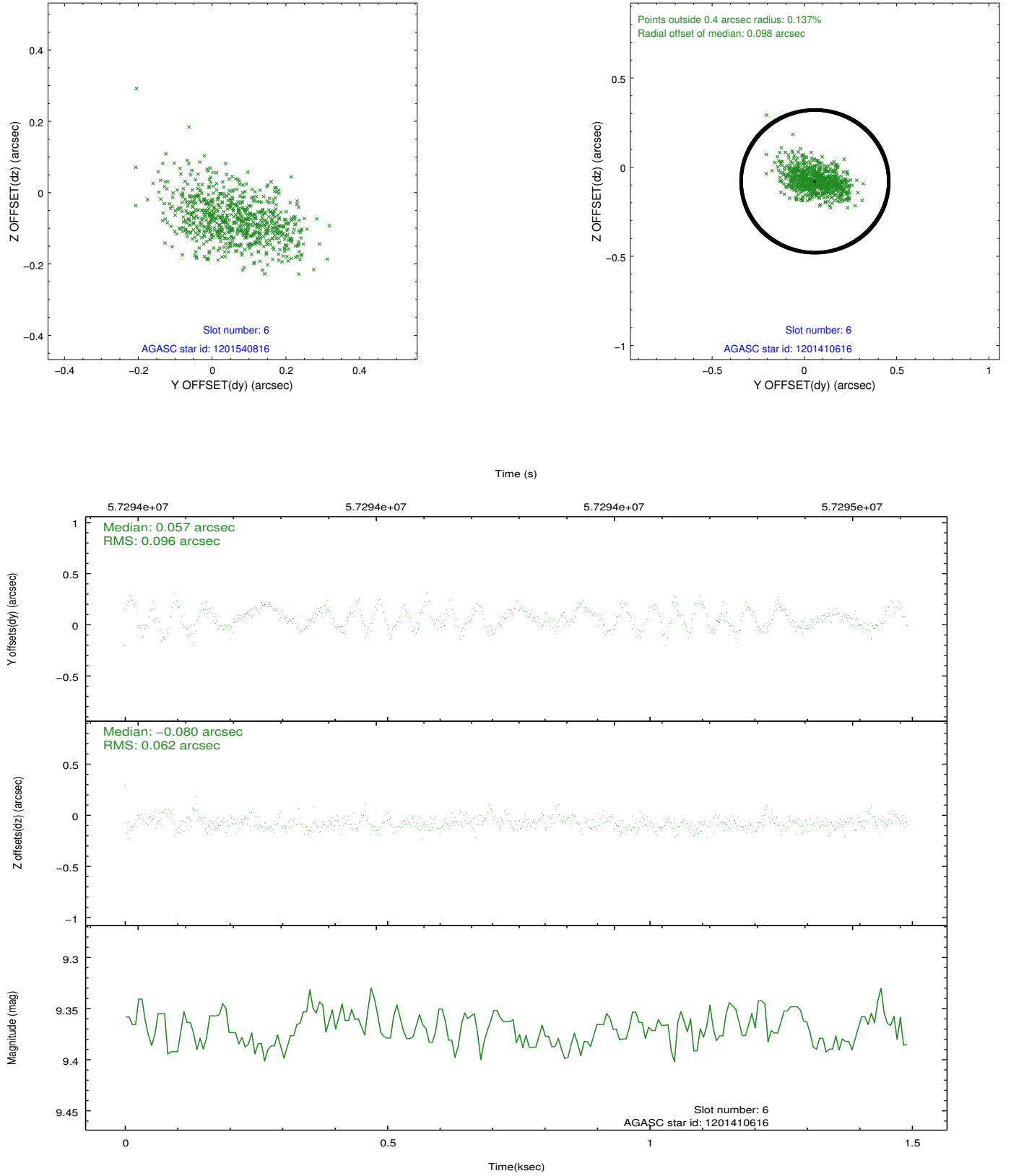
## 2.4.2 Slot 4



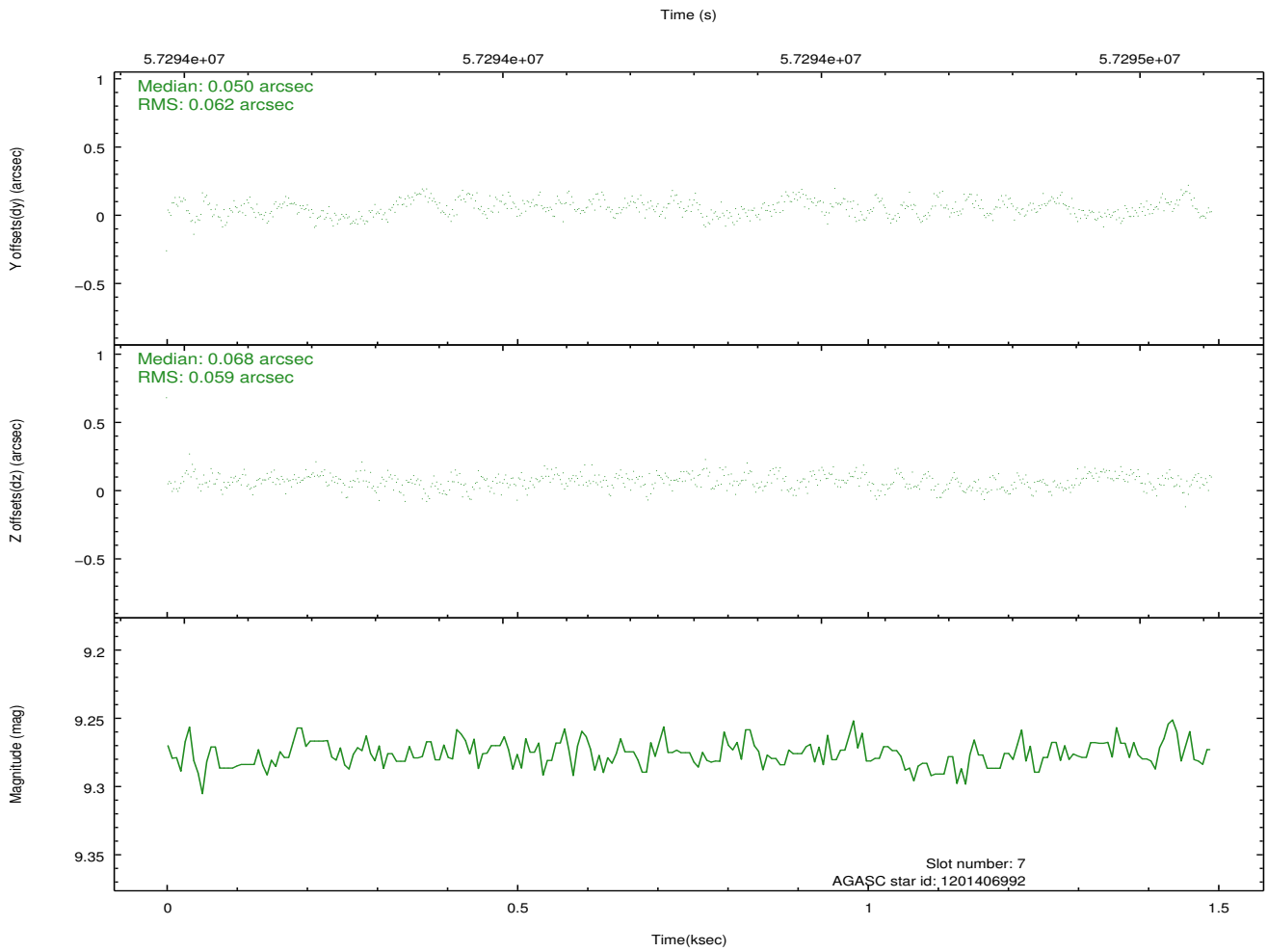
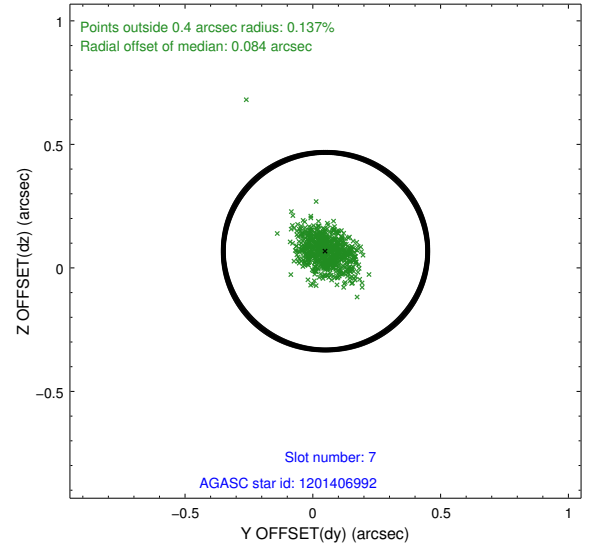
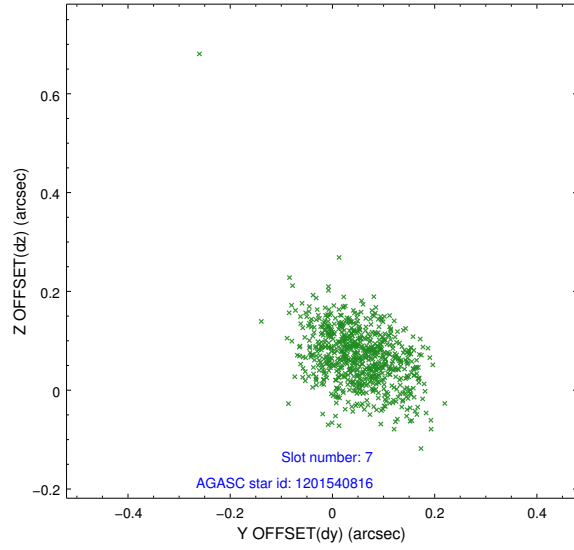
### 2.4.3 Slot 5



## 2.4.4 Slot 6



## 2.4.5 Slot 7



## 2.5 FID Slots

### 3 Point Sources

# A Summary

## A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2009.12.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1

## A.2 Comments

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. Charge time for this ObsId remains at original value of 1.0 ksec, although with the current processing the charge time would have been 0 ksec. Charge time of 1 ksec taken from Level 1 events.