

V&V Reference Report

L2 ASCDS Version : 8.2.1

Observation 1296 - L2 Version 2

Chandra X-Ray Center

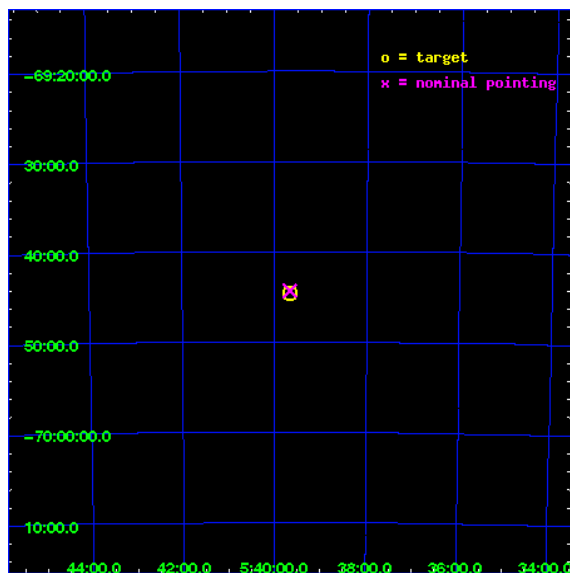
L2 Processing Date : Feb 1 2010

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 7	12
2.5	FID Slots	13
3	Point Sources	14
A	Summary	15
A.1	Status	15
A.2	Comments	15

1 Front

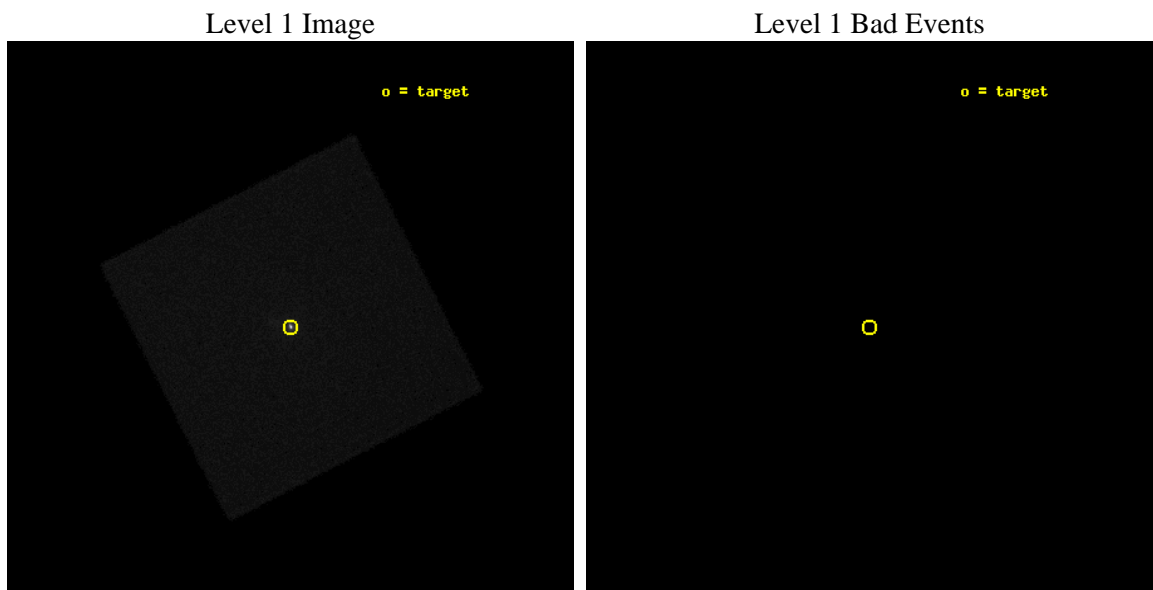
seq_num	480246	Sequence number
obs_id	1296	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	LMC X-1	Source name
ra_targ	84.914583	Observer's specified target RA
dec_targ	-69.743611	Observer's specified target Dec
ra_nom	84.916205959187	Nominal RA
dec_nom	-69.738818958791	Nominal Dec
roll_nom	107.98918343914	Nominal Roll
revision	2	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	10200.000000	Scheduled observation exposure time
ascdsver	8.2.1	Processing system revision	ontime	0.0	[s]
caldbver	4.1.5	 	ll events	980827	Number of level 1 events
date	2010-02-02T02:15:48	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

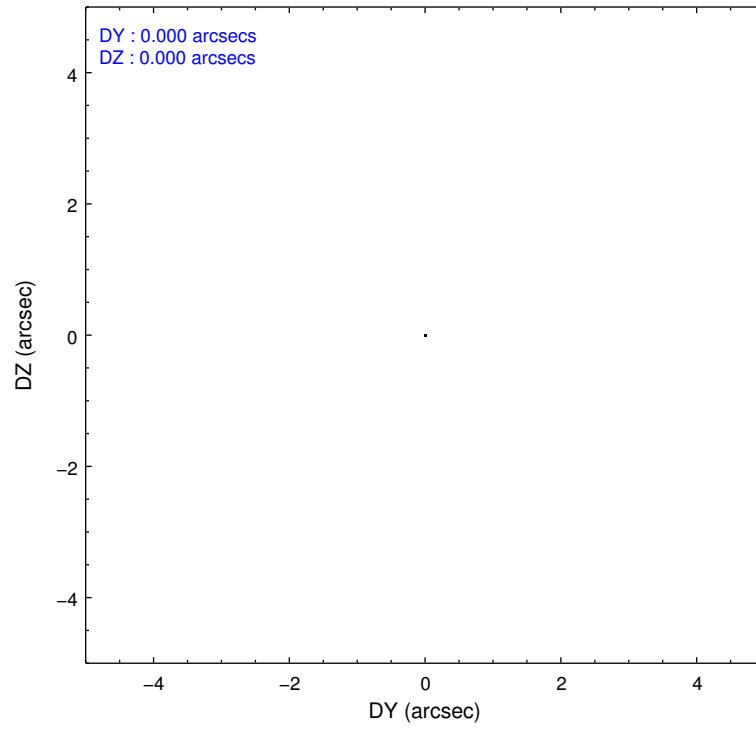
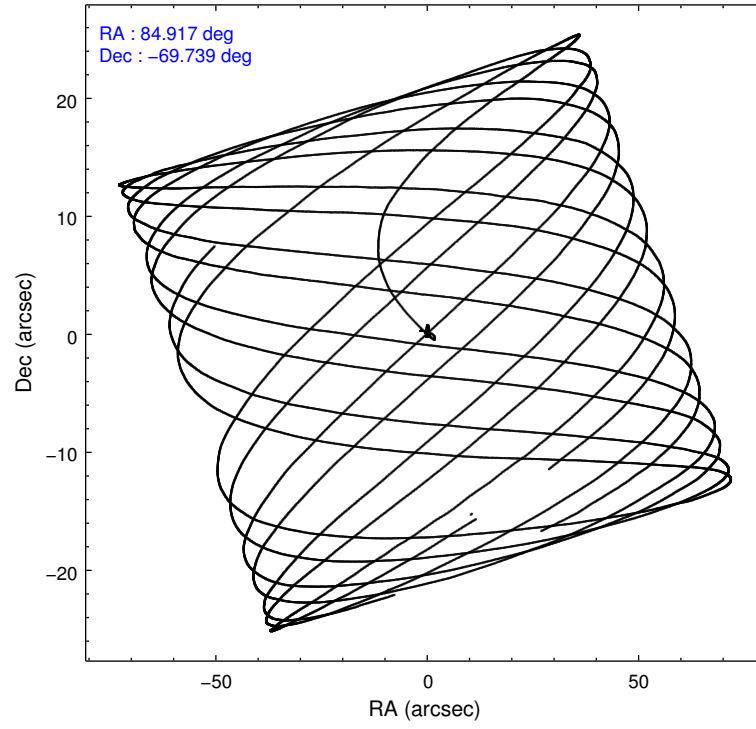
	segment 0
level 1 events	980827
rejected events	0
rejected %	0%

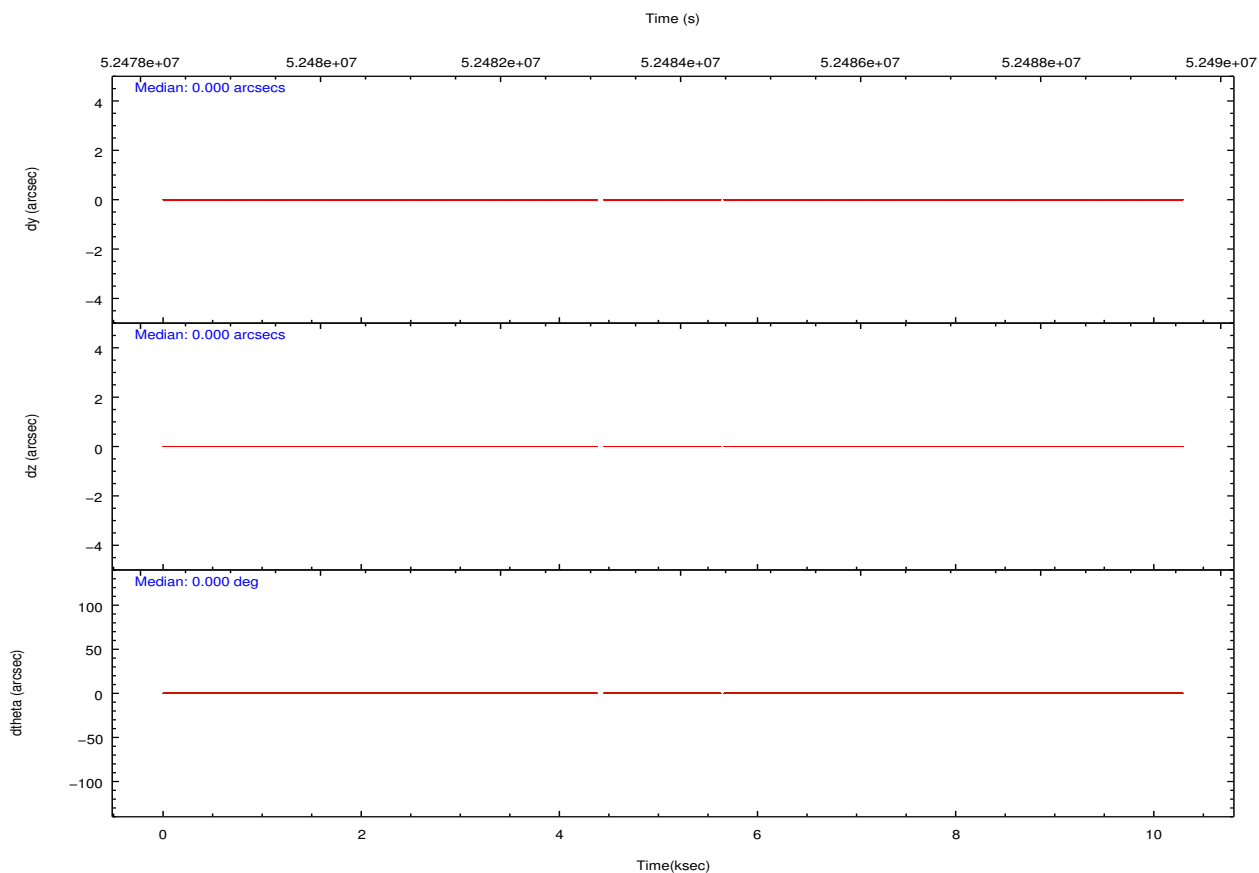
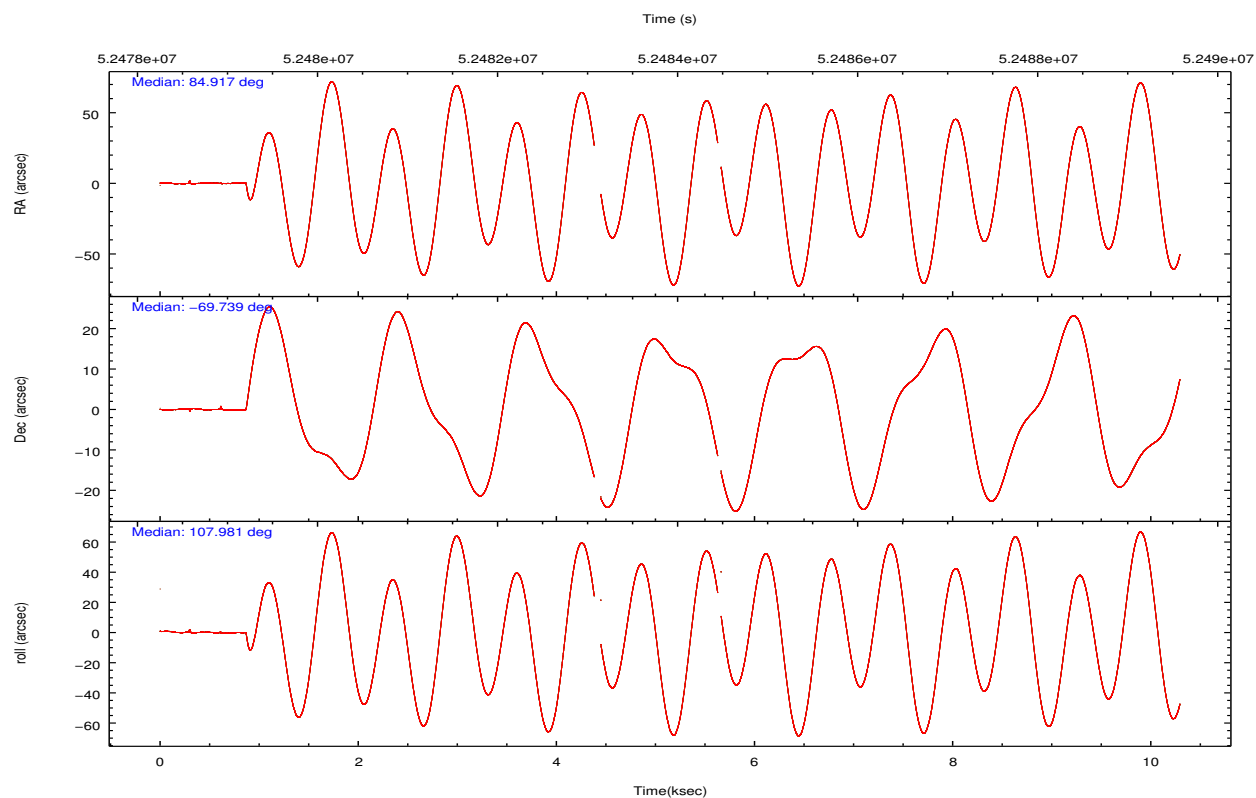
2.2 Compared Parameters

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	84.91620595918698
Pointing Dec	-69.757107	-69.73881895879093
Pointing Roll	108.139814	107.9891834391388
SIM focus pos (mm)	-1.040293	-1.300001029371461
SIM defocus (mm)	0	-0.259708408712586
SIM translation stage pos (mm)	126.985494	126.9829799899862
SIM translation stage offset (mm)	0	0.002508901615314585
Observation start time	52479064.184000	52478768.072944
Observation start date	1999-08-31T09:30:00	1999-08-31T09:26:08
Observation end time	52489264.184000	52489197.448319
Observation end date	1999-08-31T12:20:00	1999-08-31T12:19:57

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

2.3 Aspect



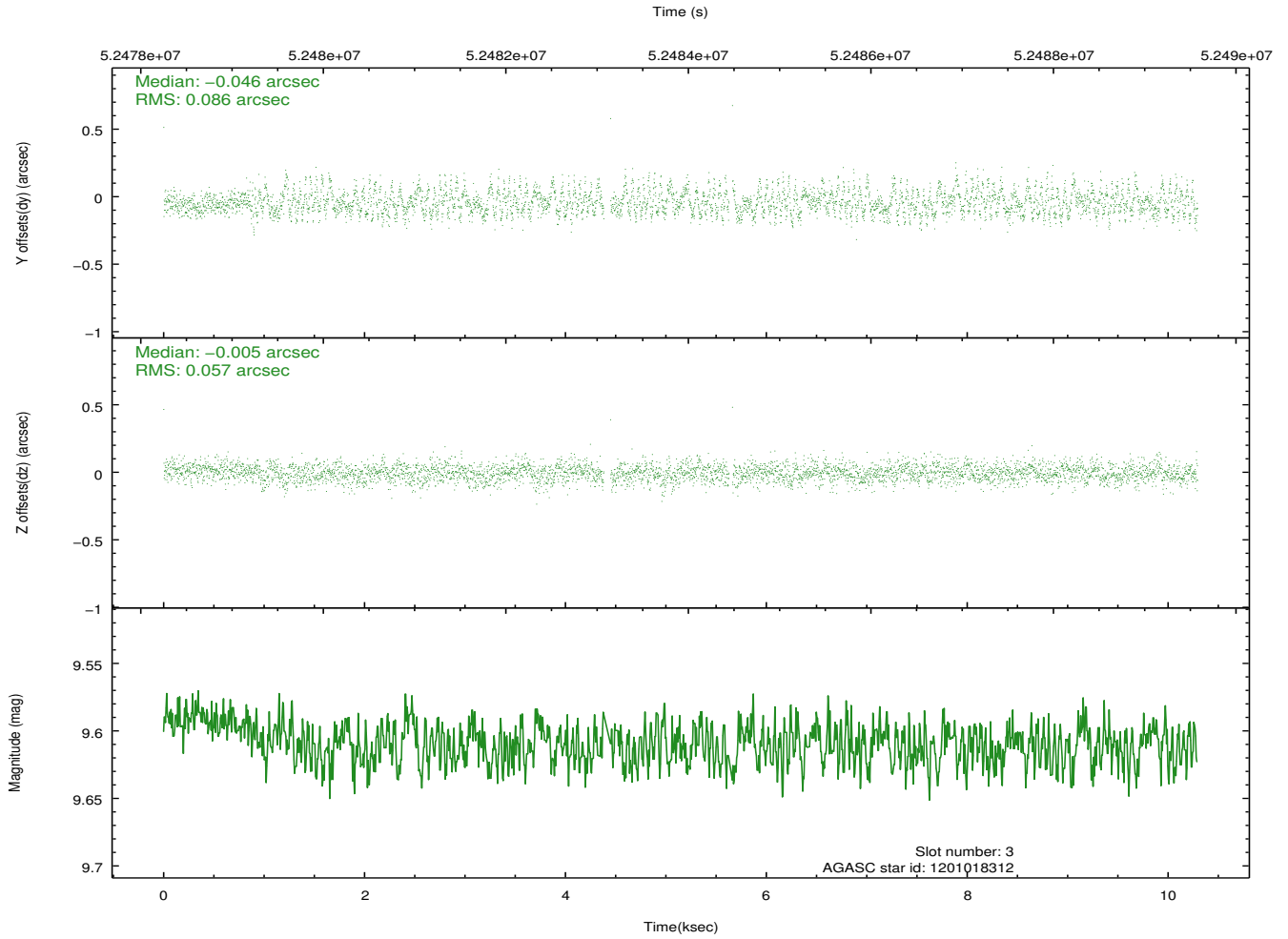
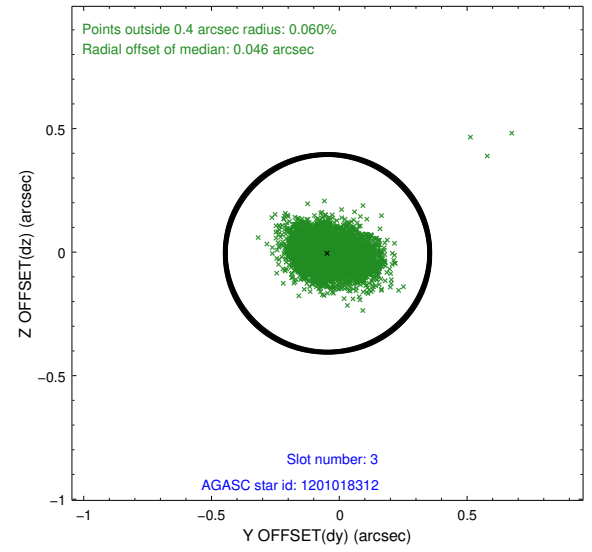
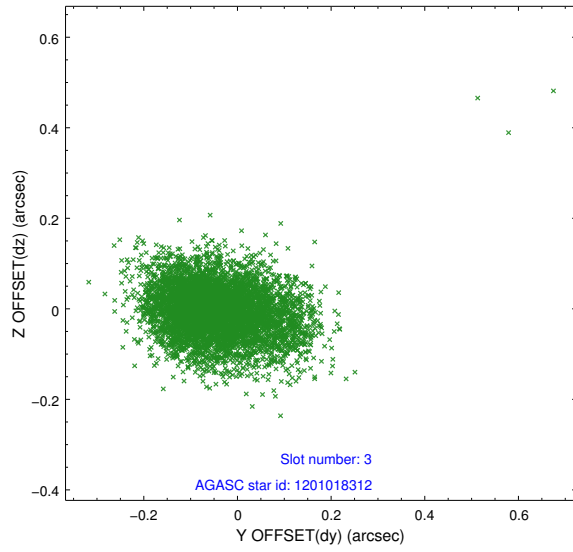


Slot Statistics

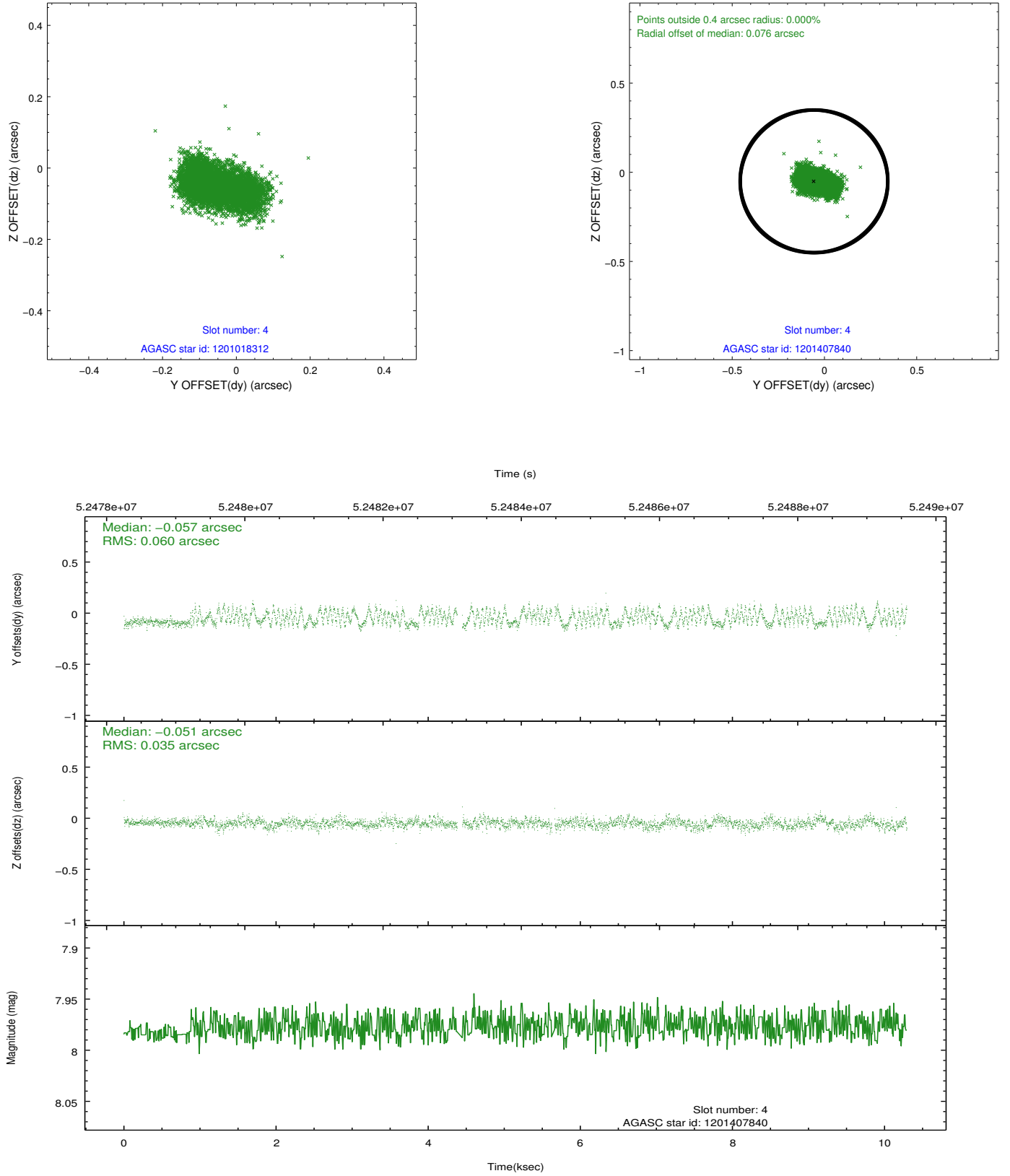
slot	status	id	mag	n_pts	med_dy	med_dz	drl	dr2	ra	dec	mean_y	mean_z
0	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
1	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
2	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	1201018312	9.61	4969	-0.046	-0.005	0.107	0.179	86.298231	-69.115627	1649.08	-2326.41
4	GUIDE	1201407840	7.98	4972	-0.057	-0.051	0.075	0.120	83.696303	-70.172201	-949.28	1953.72
5	GUIDE	1201411368	10.07	4967	0.066	-0.059	0.175	0.289	83.629696	-70.495613	-2040.35	2370.27
6	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
7	GUIDE	1201540776	9.61	4967	0.039	0.111	0.092	0.150	85.107945	-69.858480	-398.36	-42.08

2.4 Star Slots

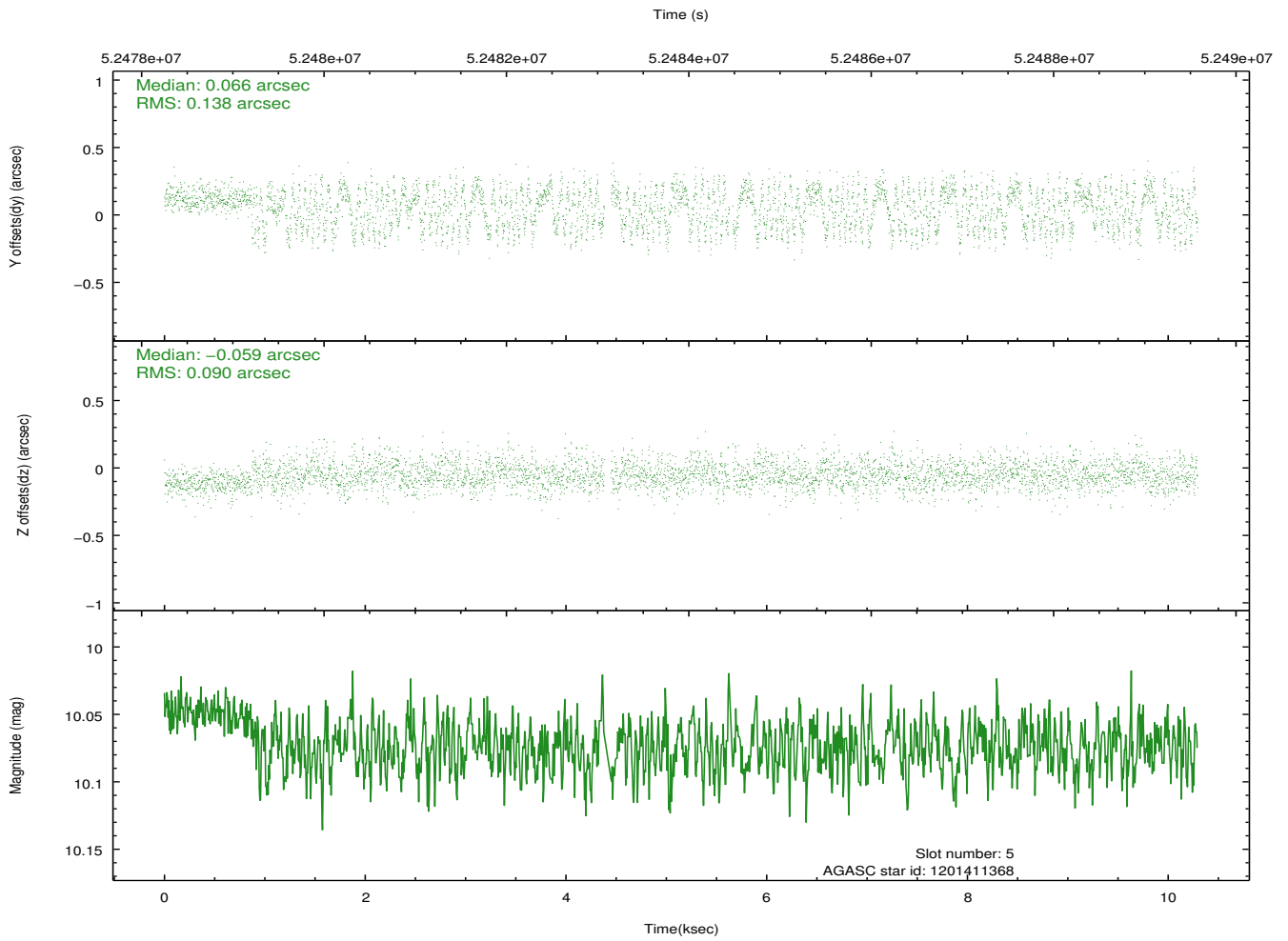
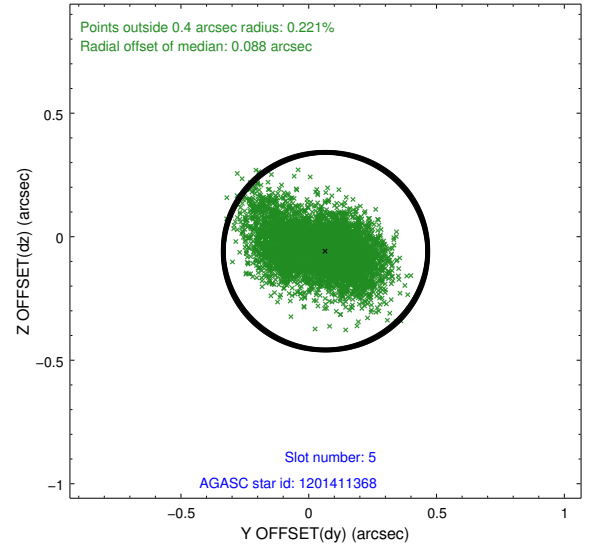
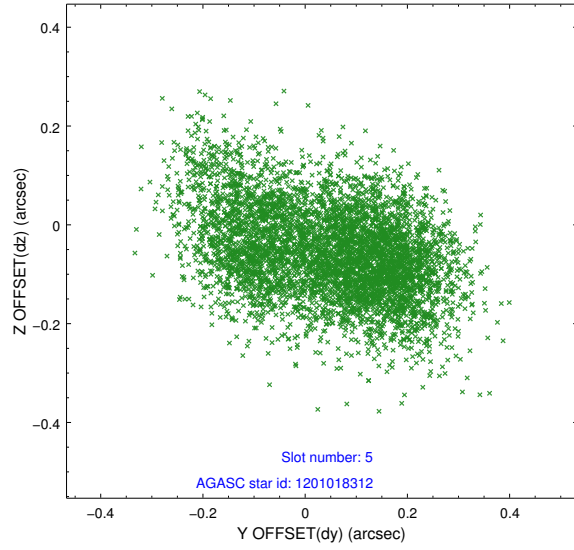
2.4.1 Slot 3



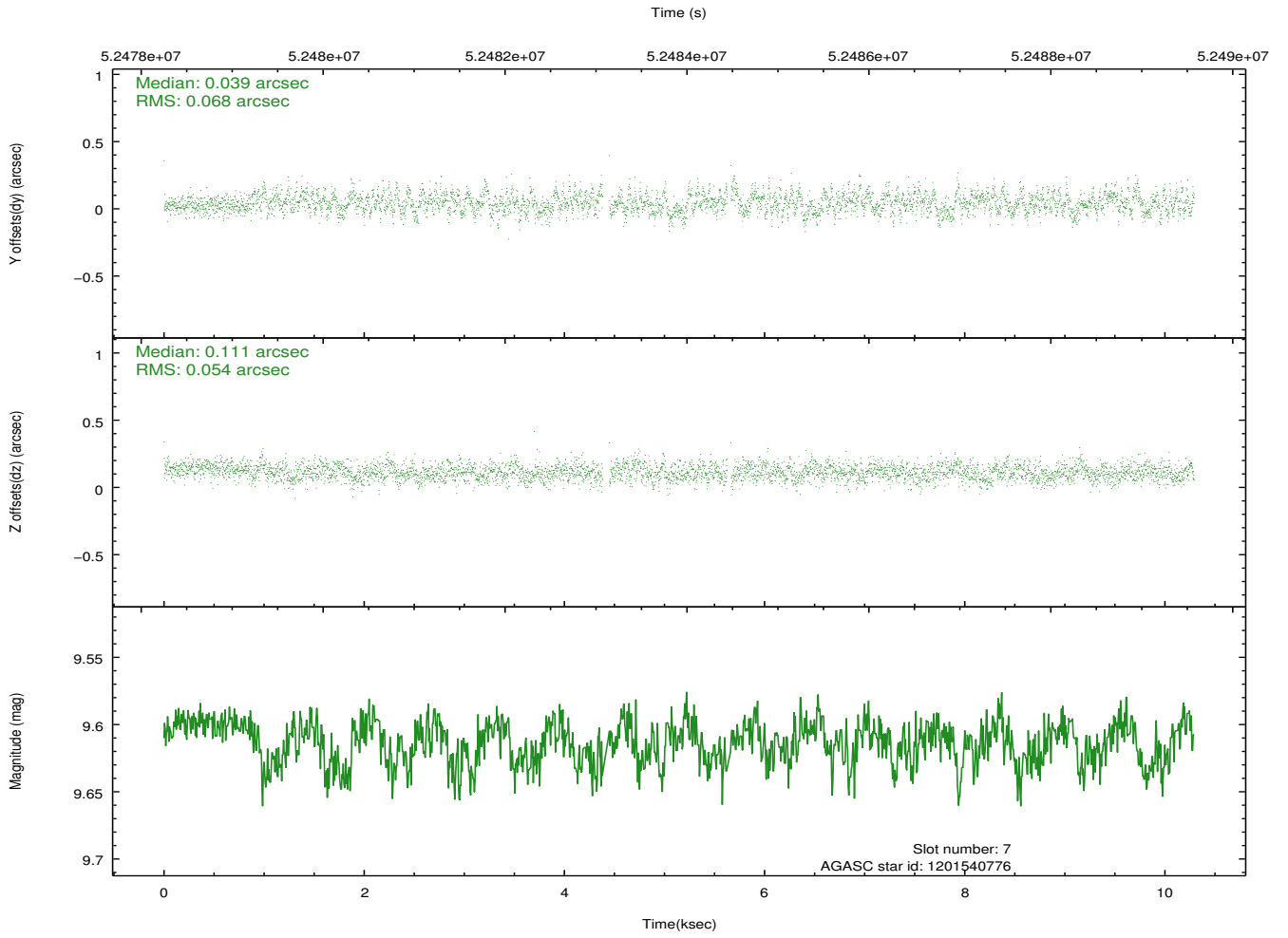
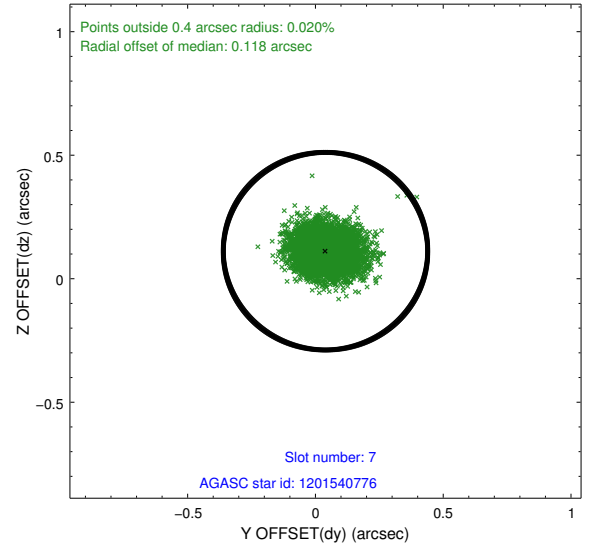
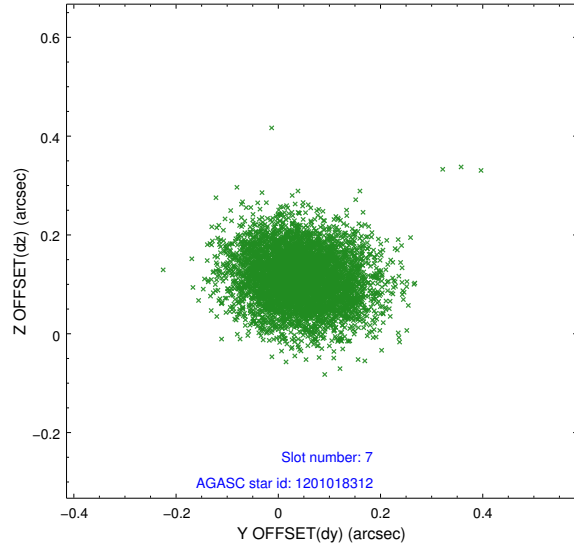
2.4.2 Slot 4



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	10

A.2 Comments

Measurement of HRC at best known focus.

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. ===Some high background due to solar activity.