

V&V Reference Report

L2 ASCDS Version : 8.2.1

Observation 1209 - L2 Version 2

Chandra X-Ray Center

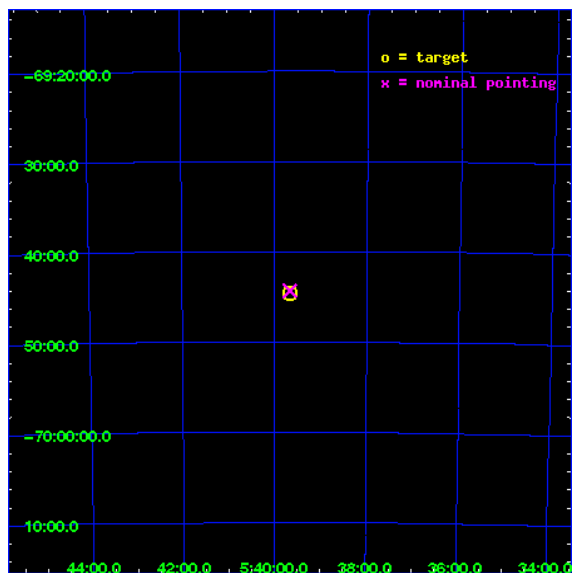
L2 Processing Date : Feb 1 2010

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1 Front

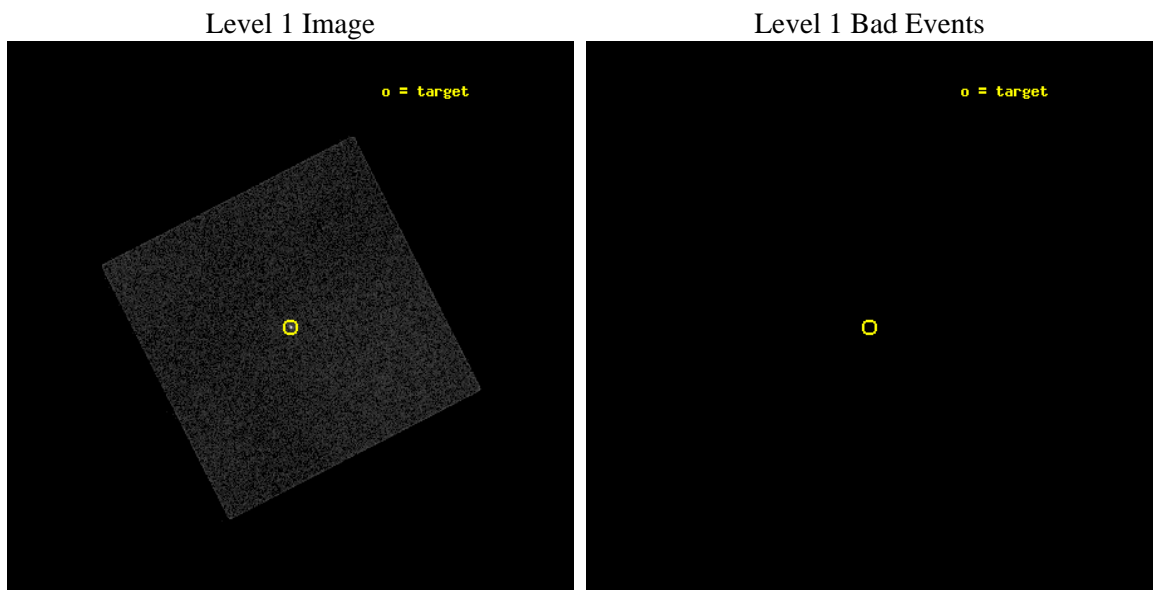
seq_num	480159	Sequence number
obs_id	1209	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	LMC X-1	Source name
ra_targ	84.914583	Observer's specified target RA
dec_targ	-69.743611	Observer's specified target Dec
ra_nom	84.91623042007	Nominal RA
dec_nom	-69.738826994293	Nominal Dec
roll_nom	107.98920435822	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	1800.000000	Scheduled observation exposure time
ascdsver	8.2.1	Processing system revision	ontime	0.0	[s]
caldbver	4.1.5	 	l1events	87051	Number of level 1 events
date	2010-02-02T02:12:00	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

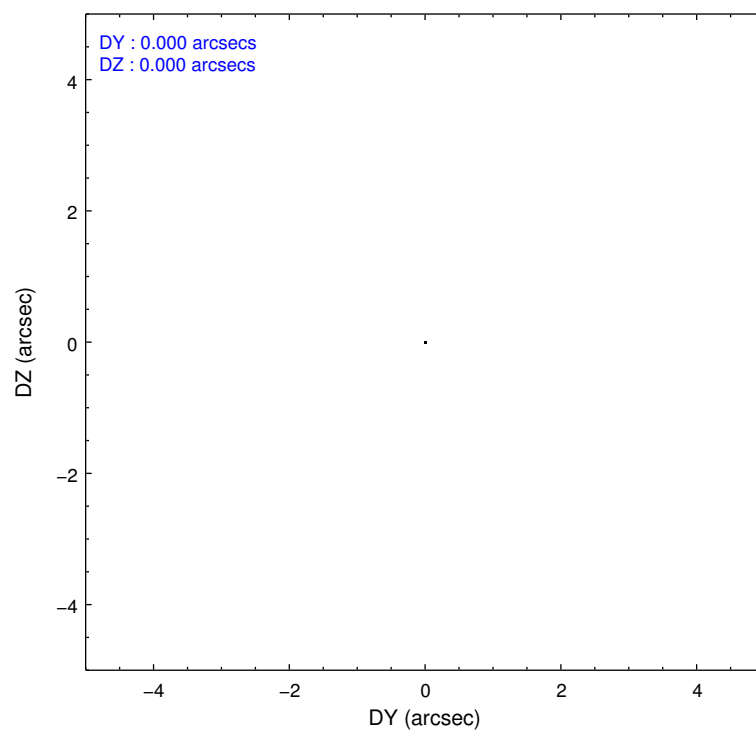
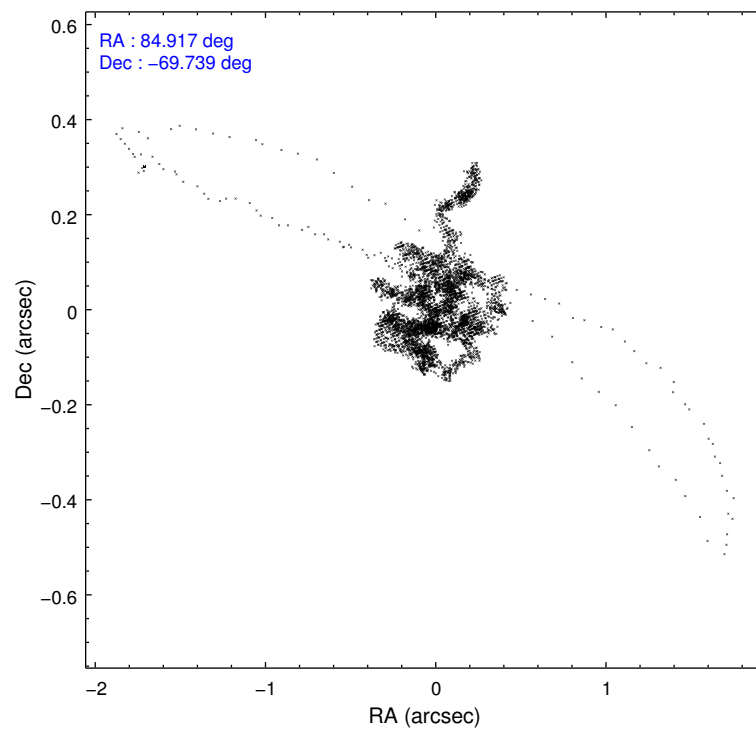
Level 1 Events

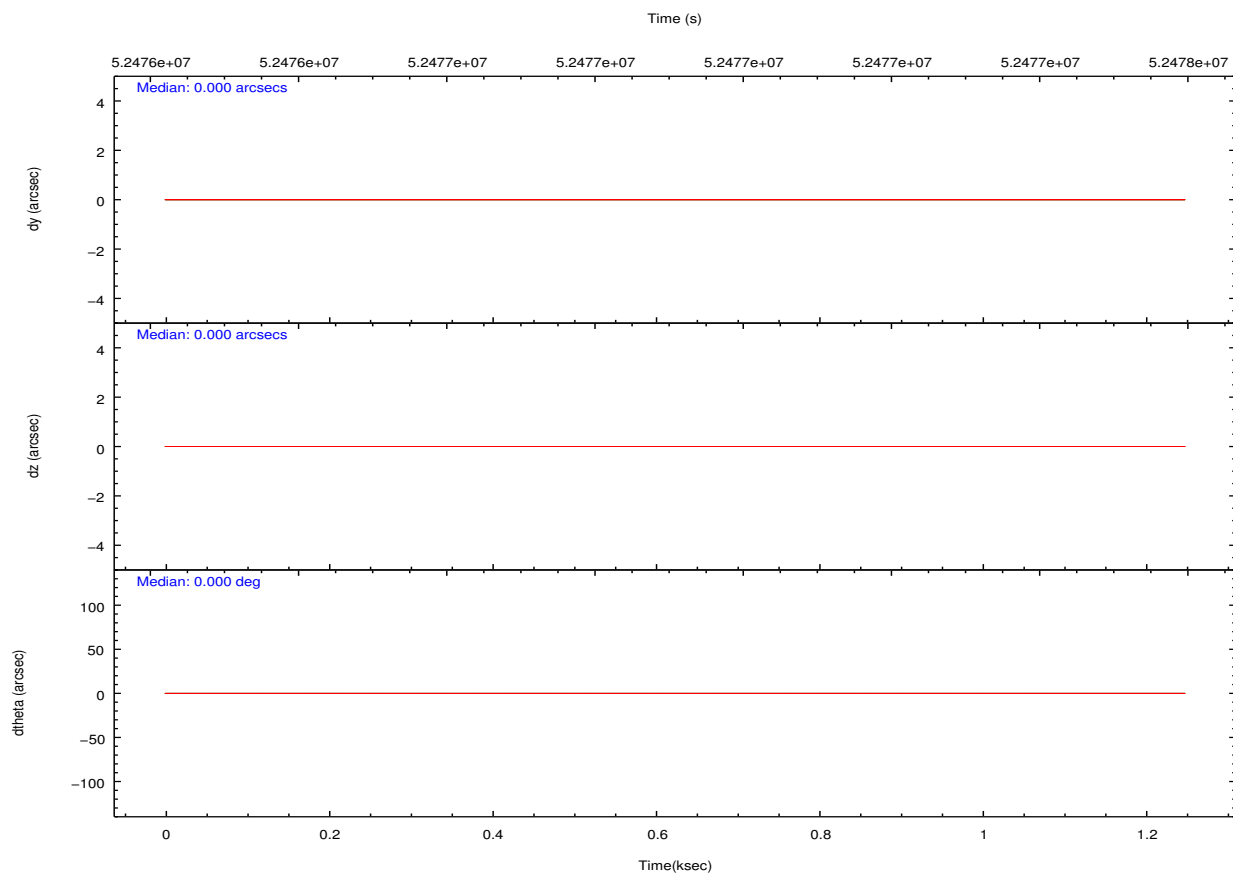
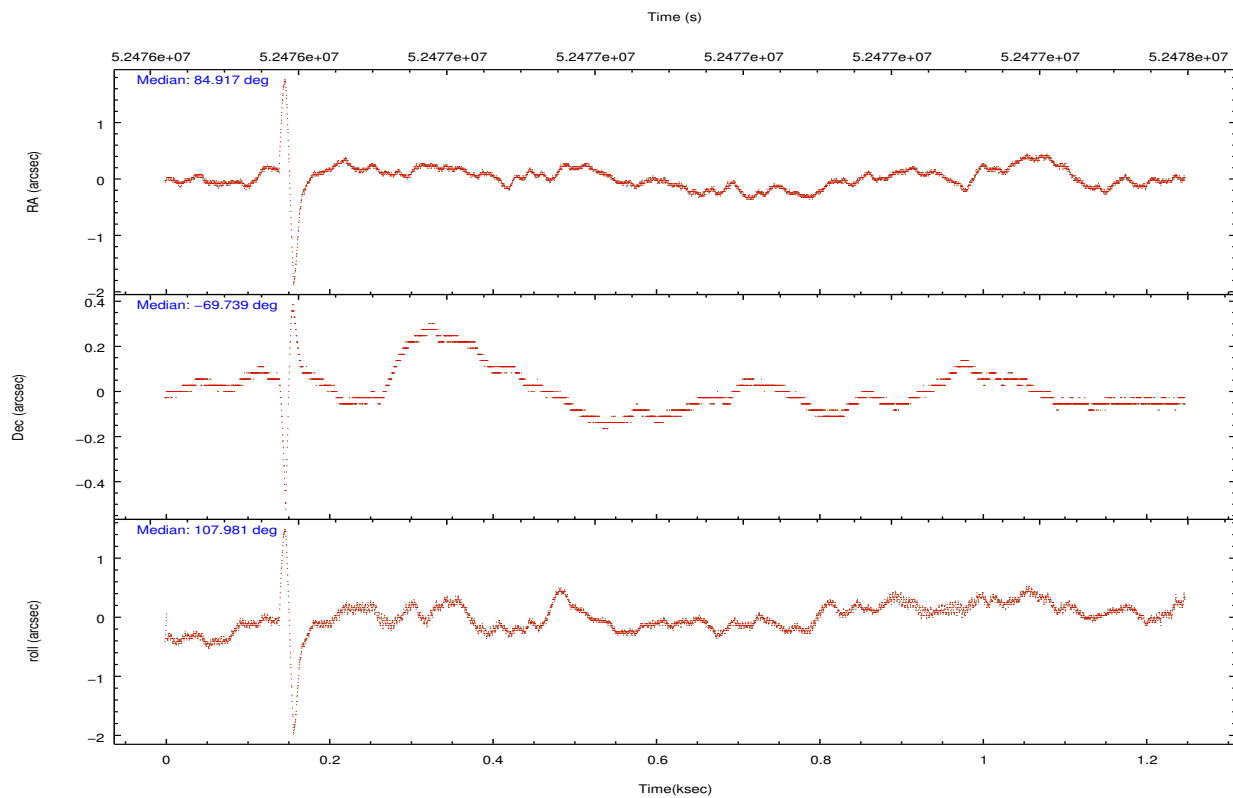
	segment 0
level 1 events	87051
rejected events	0
rejected %	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	84.974973	84.91623042007048			
Pointing Dec	-69.757107	-69.73882699429295			
Pointing Roll	108.139814	107.9892043582157			
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	52475464.184000	52476281.422855			
Observation start date	1999-08-31T08:30:00	1999-08-31T08:44:41			
Observation end time	52477264.184000	52477531.9229			
Observation end date	1999-08-31T09:00:00	1999-08-31T09:05:31			

2.3 Aspect



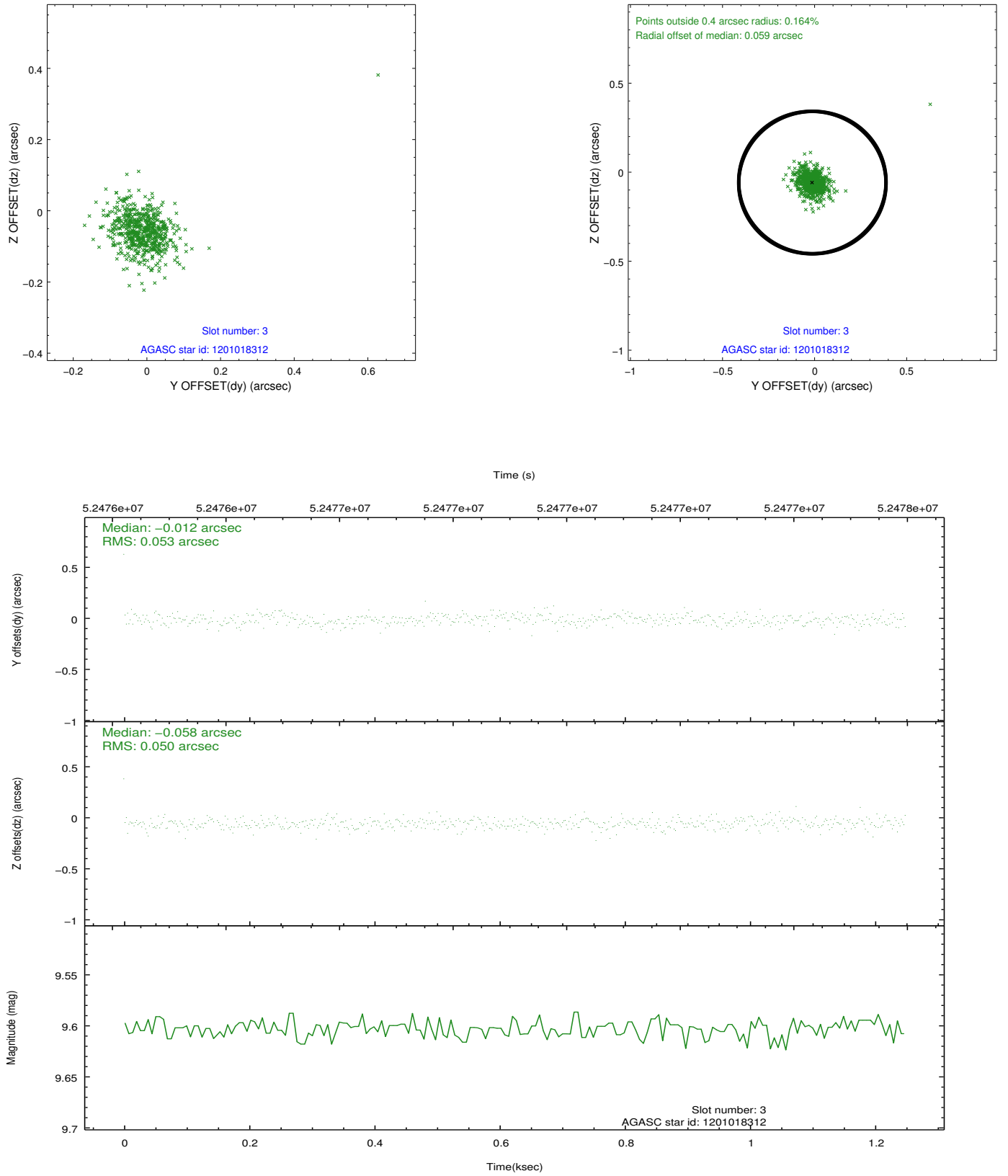


Slot Statistics

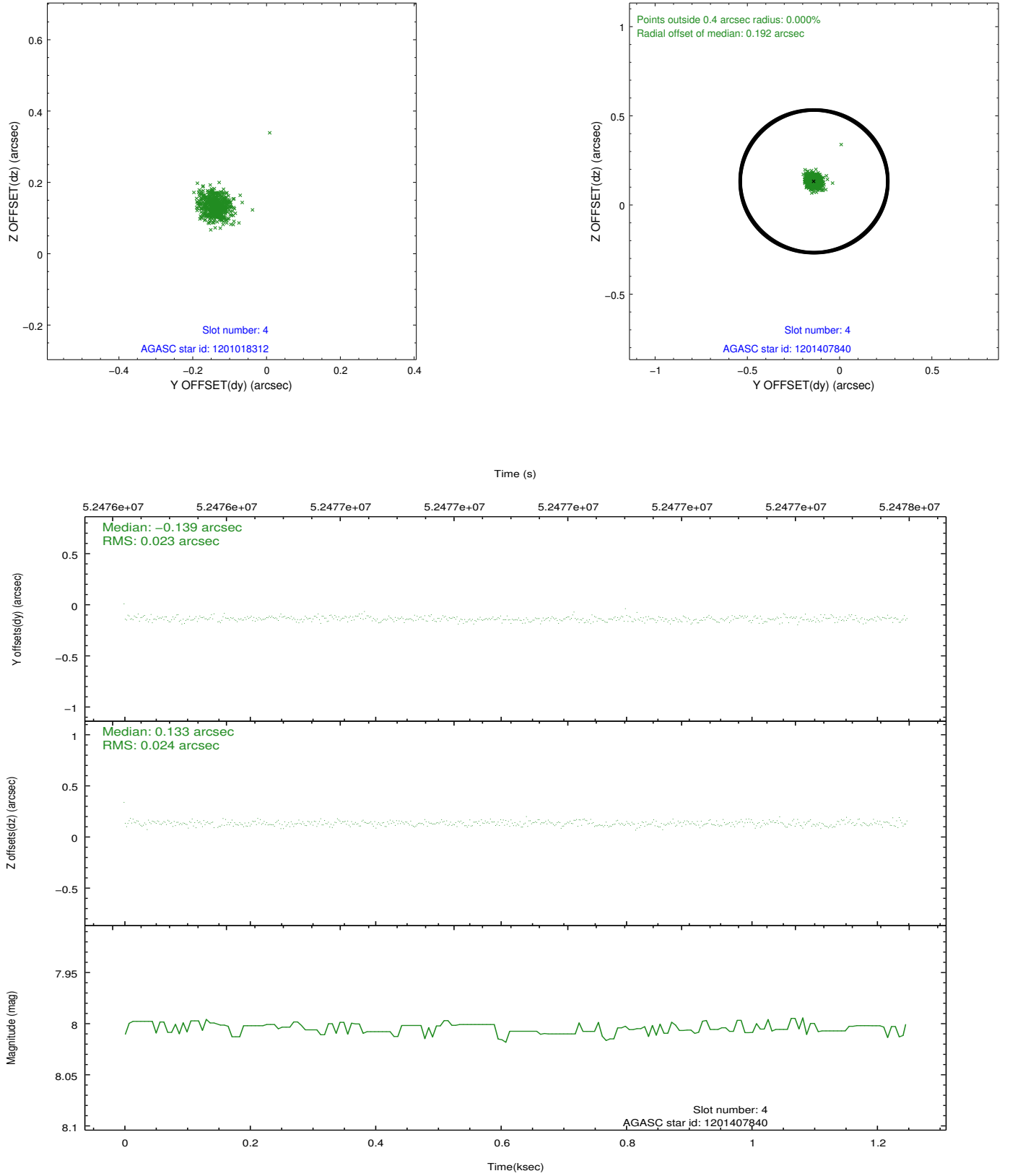
slot	status	id	mag	n_pts	med_dy	med_dz	drl	dr2	ra	dec	mean_y	mean_z
0	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
1	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
2	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	1201018312	9.60	608	-0.012	-0.058	0.067	0.118	86.298231	-69.115627	1649.31	-2326.38
4	GUIDE	1201407840	8.00	608	-0.139	0.133	0.033	0.053	83.696303	-70.172201	-946.79	1950.63
5	GUIDE	1201411368	10.05	608	0.133	-0.163	0.087	0.164	83.629696	-70.495613	-2041.43	2373.06
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	608	0.018	0.089	0.068	0.112	85.107945	-69.858480	-401.14	-38.60

2.4 Star Slots

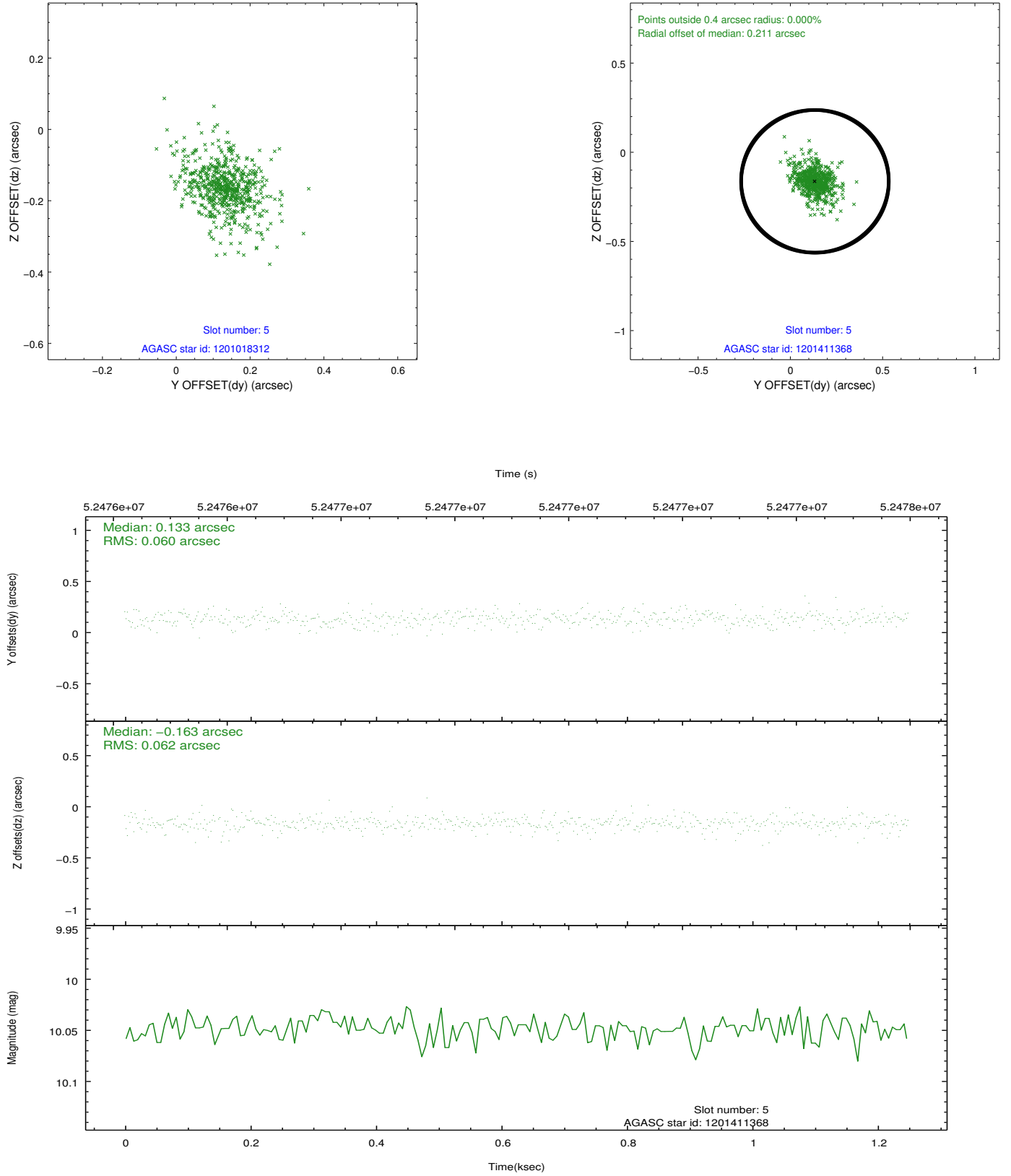
2.4.1 Slot 3



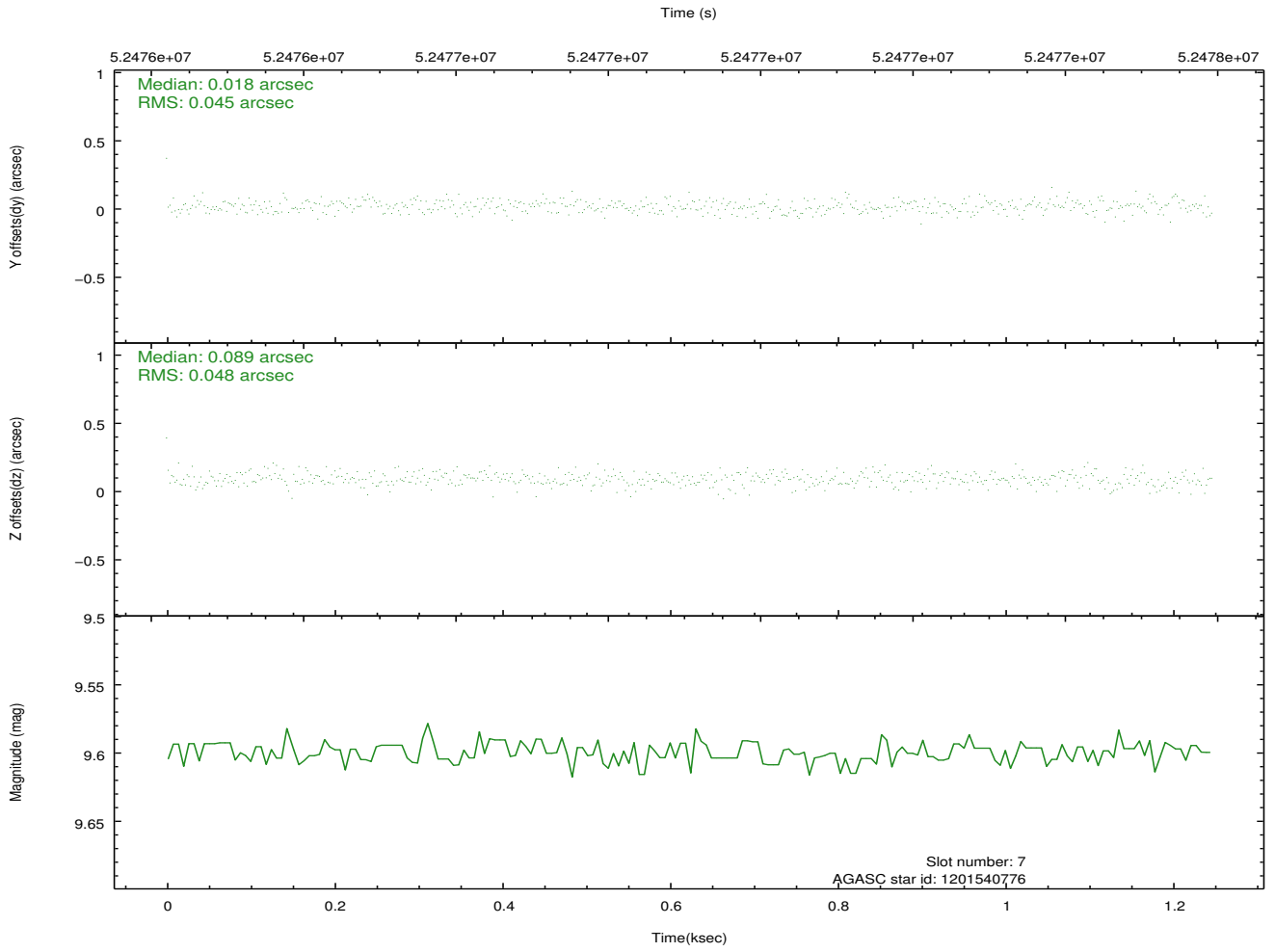
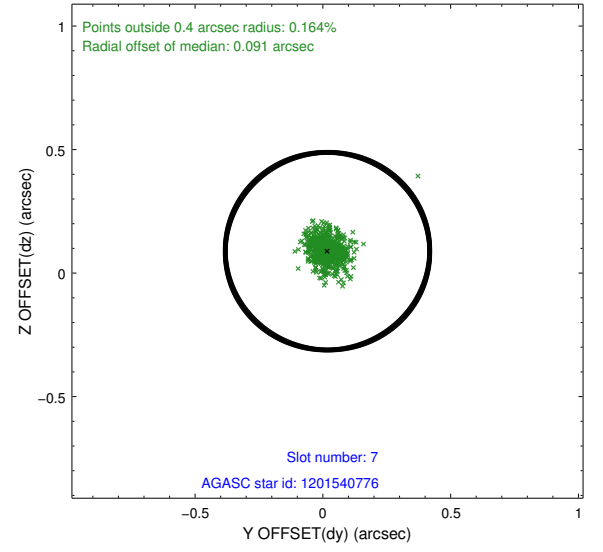
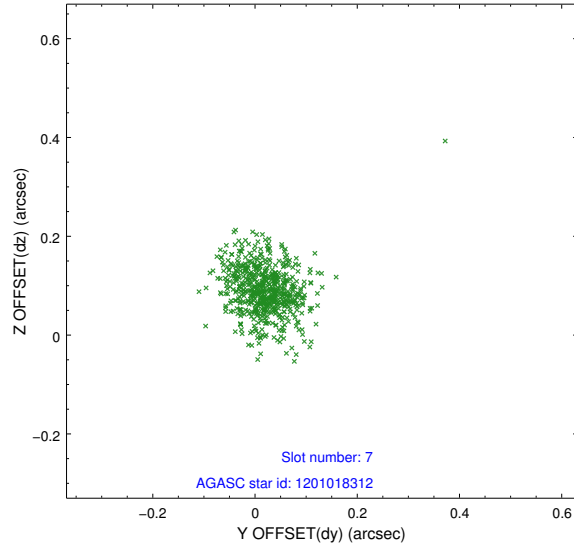
2.4.2 Slot 4



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	1

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.