

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 1370 - L2 Version 4

Chandra X-Ray Center

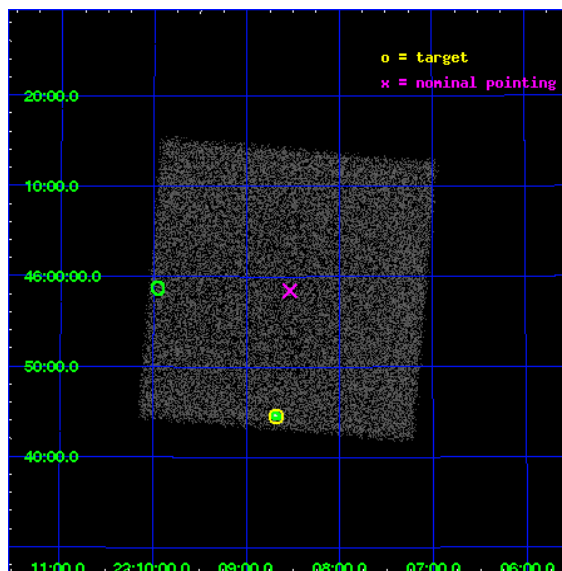
L2 Processing Date : Nov 19 2009

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1 Front

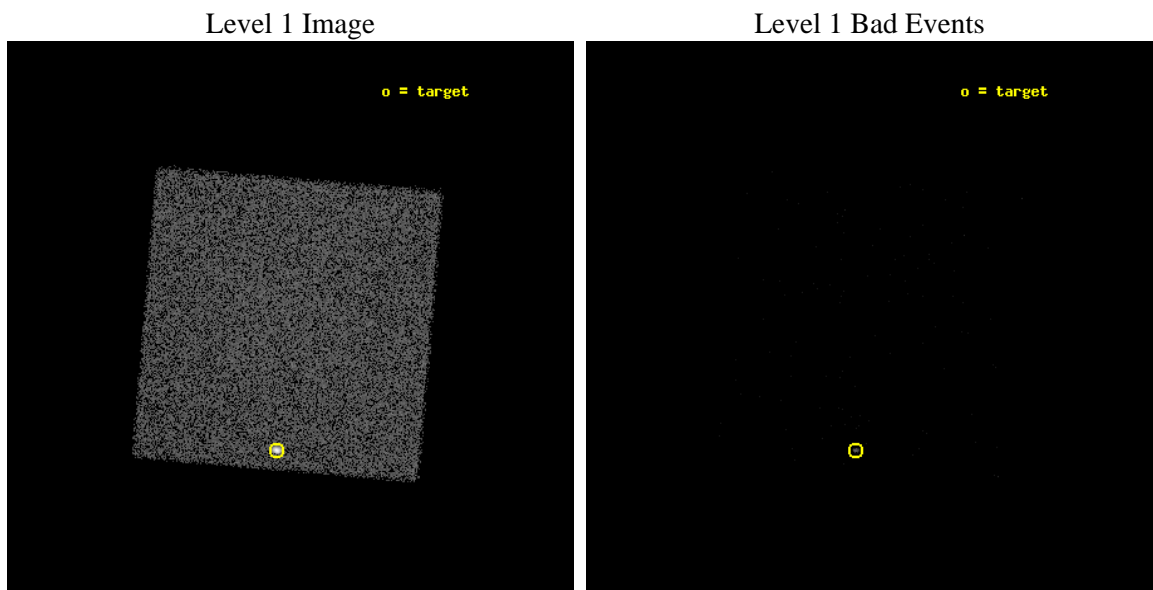
seq_num	280320	Sequence number
obs_id	1370	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.1701	Observer's specified target RA
dec_targ	45.7423	Observer's specified target Dec
ra_nom	332.13338243273	Nominal RA
dec_nom	45.974230887358	Nominal Dec
roll_nom	229.91829045334	Nominal Roll
revision	4	Processing version of data
ontime	1275.3562959433	[s]
livetime	1265.9787457425	Ontime multiplied by DTCOR
l2events	42694	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	1275.3562959433	[s]
caldsver	4.1.4	 	l1events	74857	Number of level 1 events
date	2009-11-19T07:22:11	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

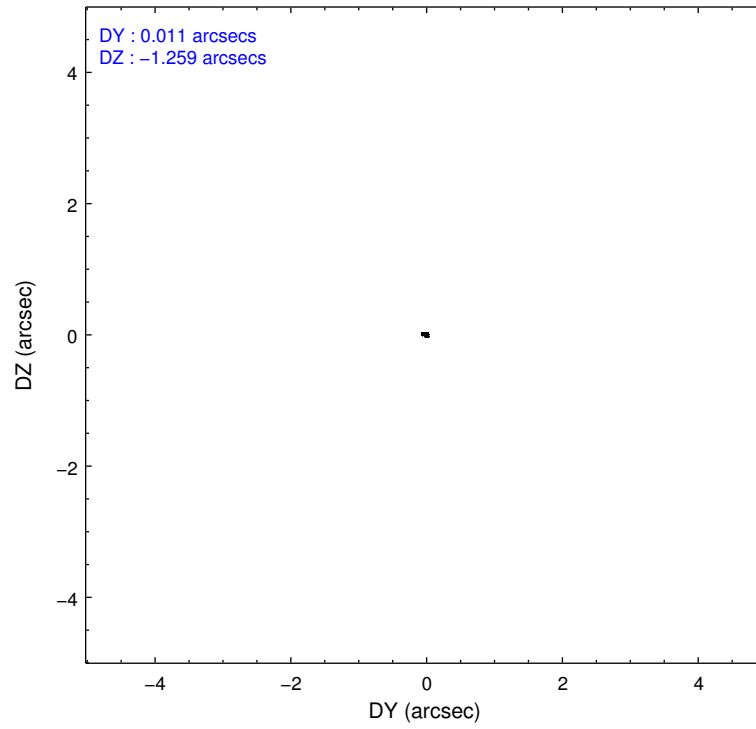
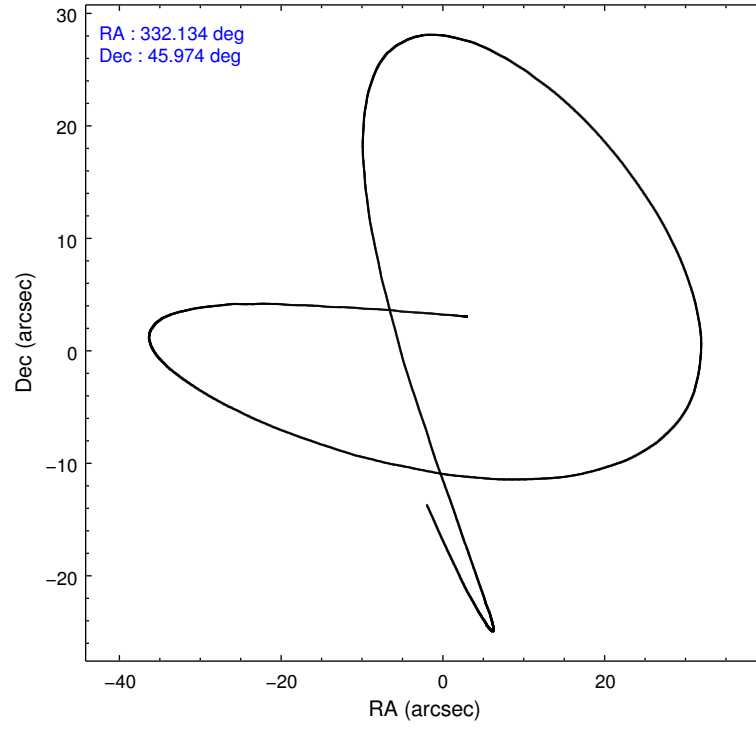
Level 1 Events

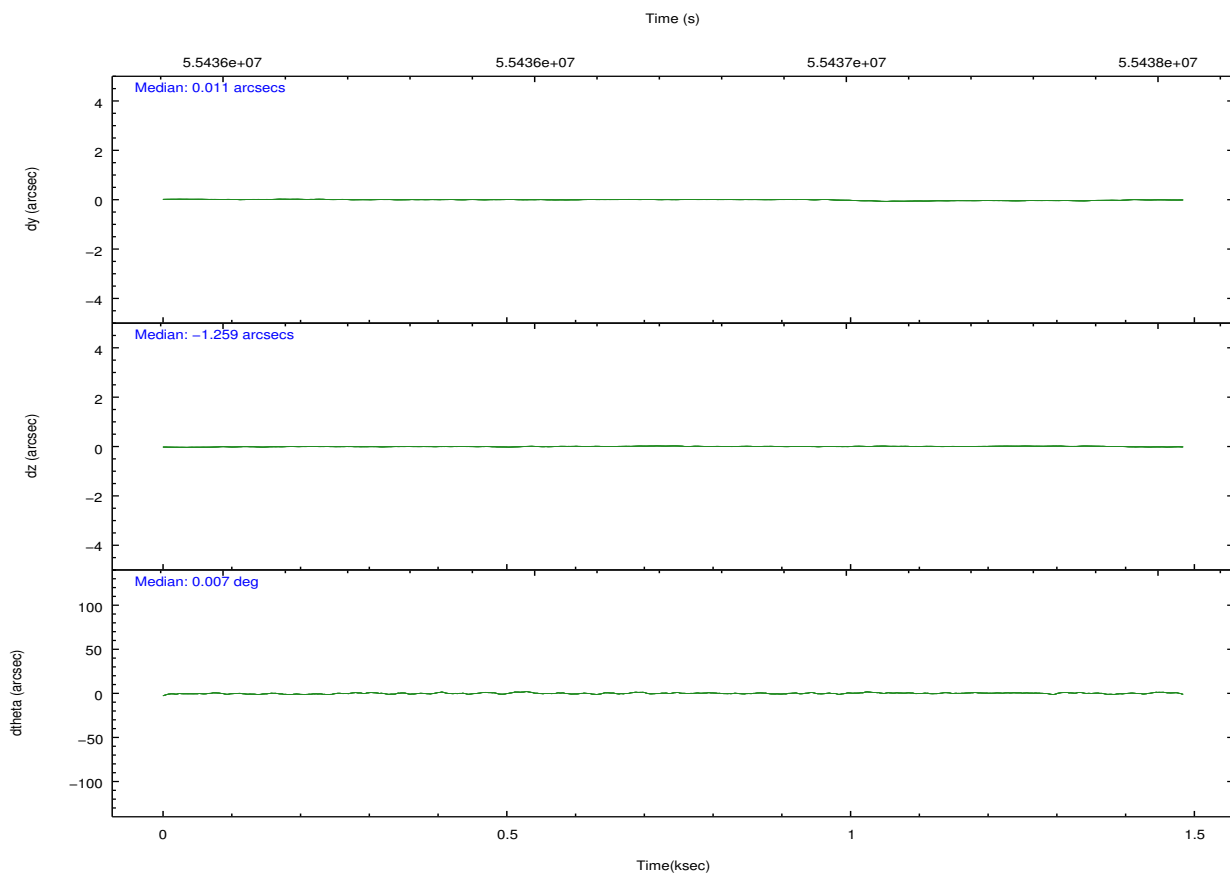
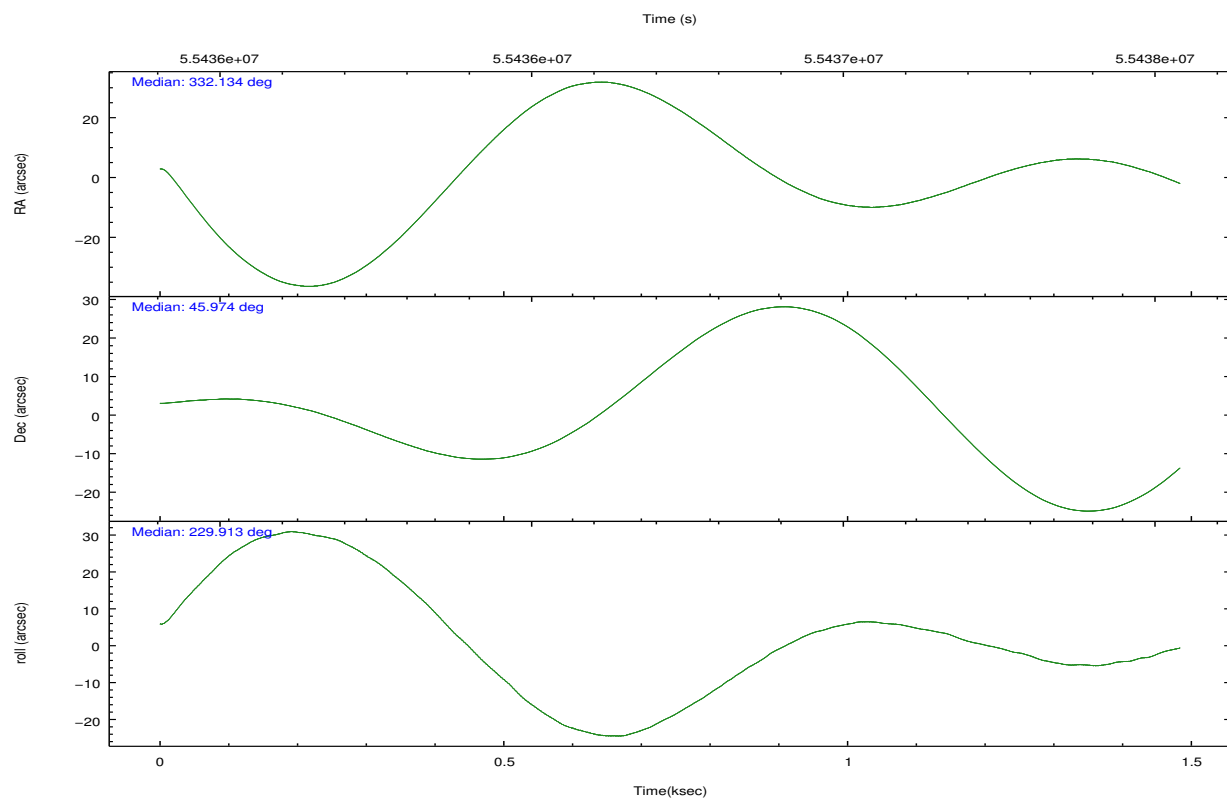
	segment 0
level 1 events	74857
rejected events	3406
rejected %	4%

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	332.141221	332.1333824327288			
Pointing Dec	46.001991	45.97423088735805			
Pointing Roll	230.008089	229.9182904533362			
SIM focus pos (mm)	-0.040293	-0.2342646132009995			
SIM defocus (mm)	1	0.806028007457875			
SIM translation stage pos (mm)	126.985494	126.9854943052878			
SIM translation stage offset (mm)	0	-5.413686238853188e-06			
Observation start time	55436464.184000	55435797.347021			
Observation start date	1999-10-04T15:00:00	1999-10-04T14:49:57			
Observation end time	55437464.184000	55437597.759586			
Observation end date	1999-10-04T15:16:40	1999-10-04T15:19:57			

2.3 Aspect



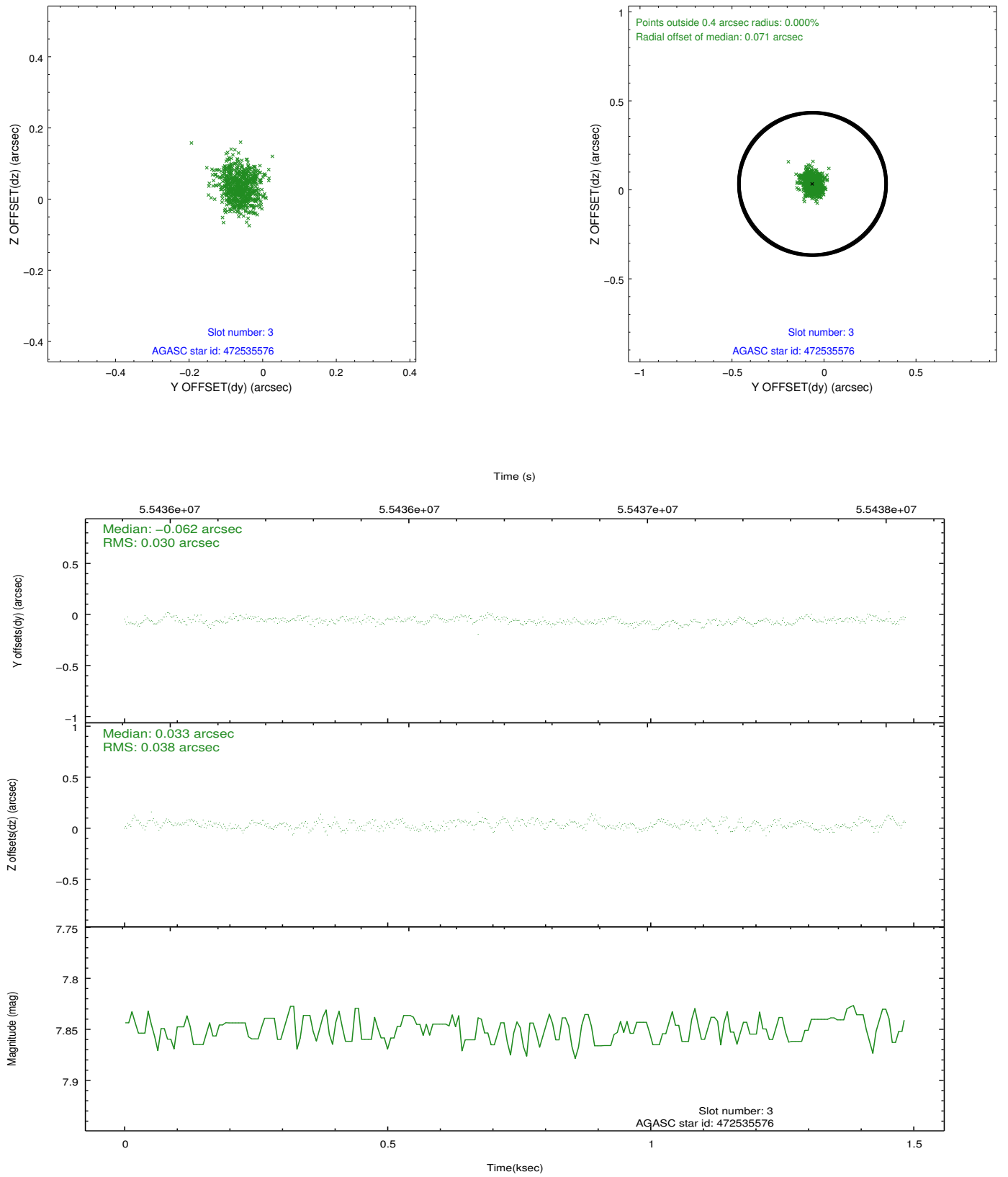


Slot Statistics

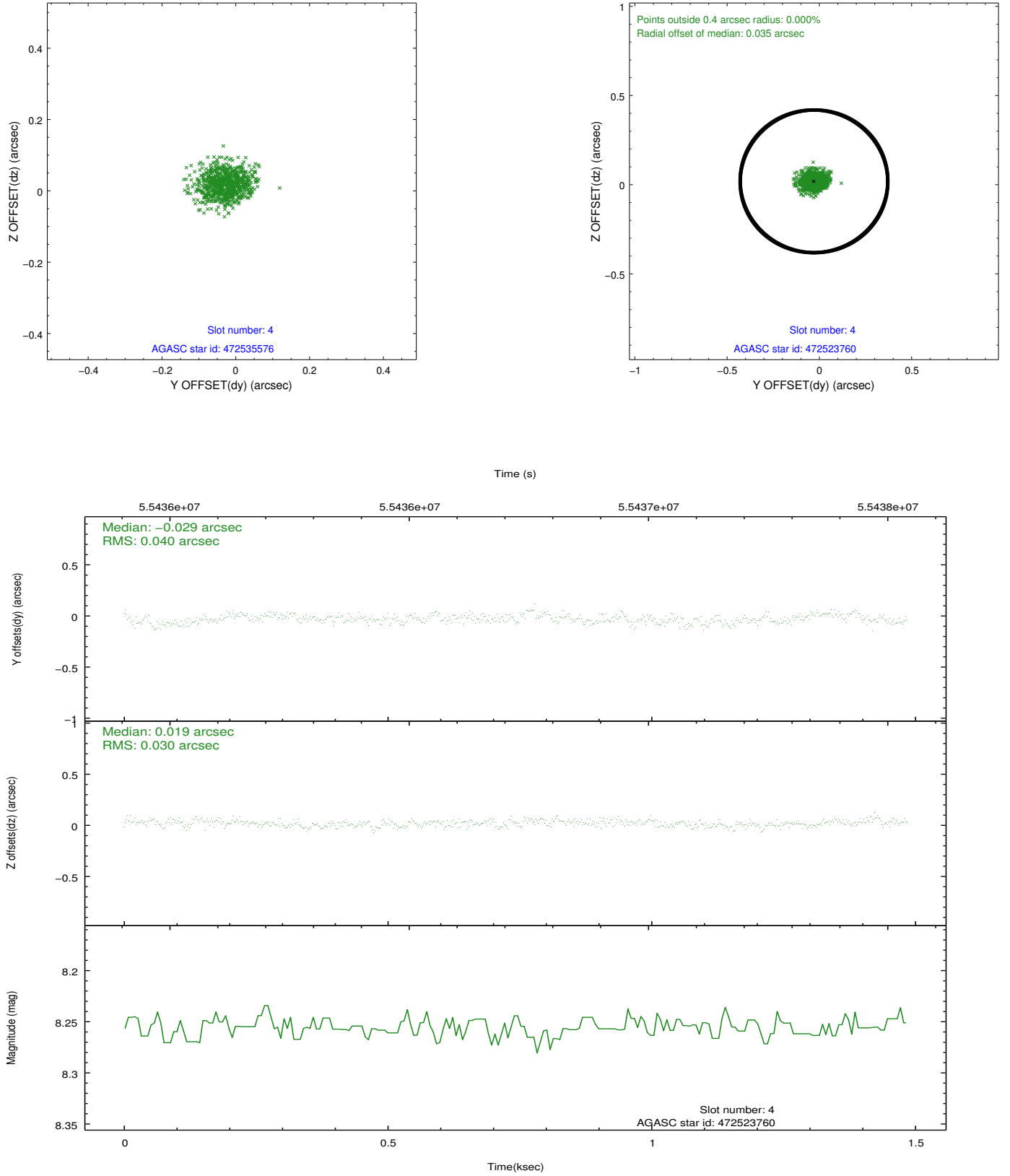
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	725	0.057	-0.010	0.005	0.010	0.000000	0.000000	-755.38	-1286.54
1	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
2	FID	HRC-I-4	7.00	725	0.017	-0.052	0.005	0.010	0.000000	0.000000	1286.45	1014.04
3	GUIDE	472535576	7.85	725	-0.062	0.033	0.052	0.082	331.438373	46.291802	314.93	-2014.45
4	GUIDE	472523760	8.26	725	-0.029	0.019	0.054	0.087	331.645363	45.403260	2450.68	420.43
5	GUIDE	472665256	9.01	725	0.004	-0.100	0.070	0.111	332.808125	46.195041	-1606.09	822.91
6	GUIDE	472659832	9.47	701	0.023	0.004	0.097	0.152	332.780399	46.098139	-1301.53	997.32
7	GUIDE	472655152	9.43	724	0.060	0.038	0.088	0.145	332.504239	45.862991	-208.47	1019.36

2.4 Star Slots

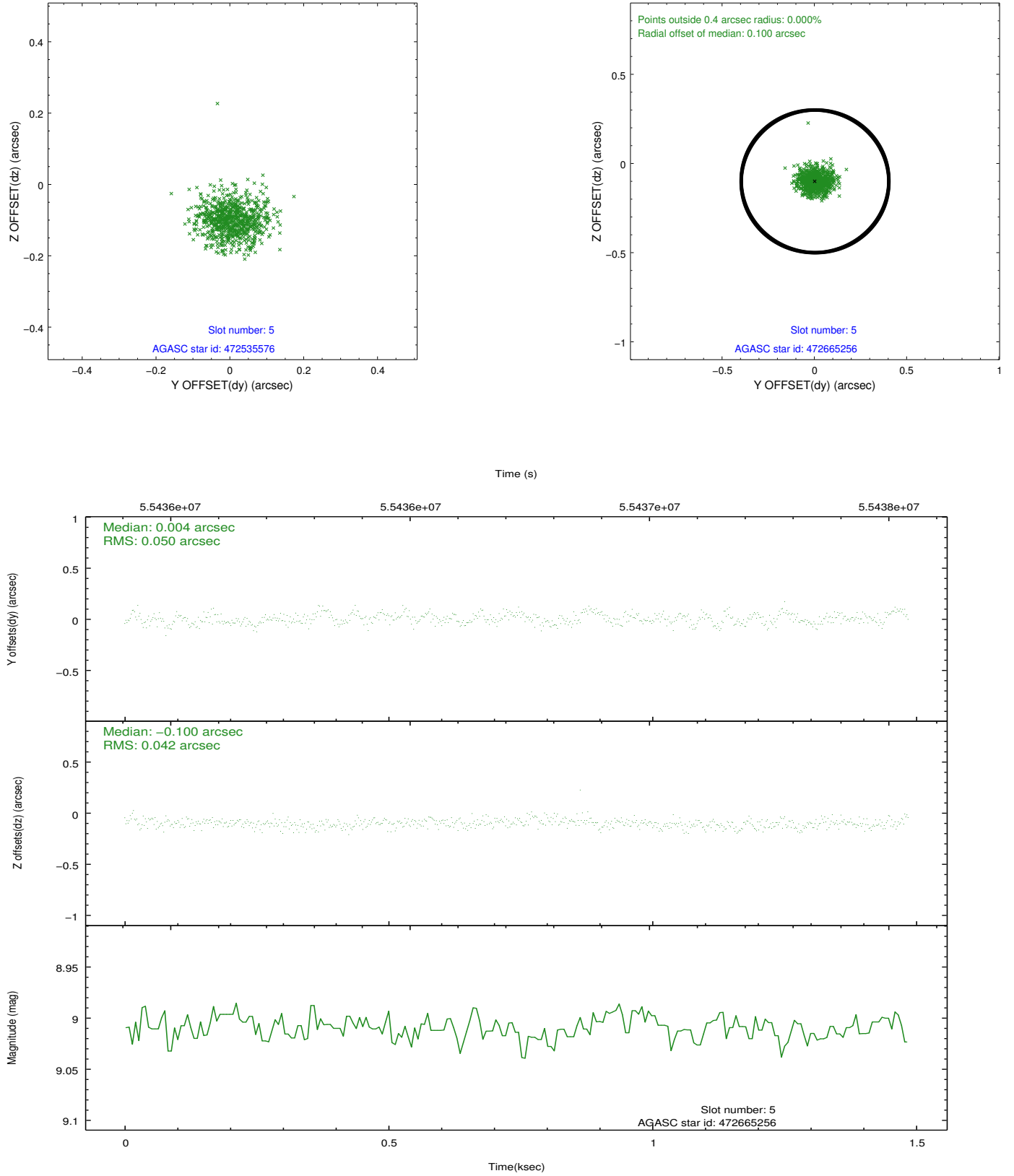
2.4.1 Slot 3



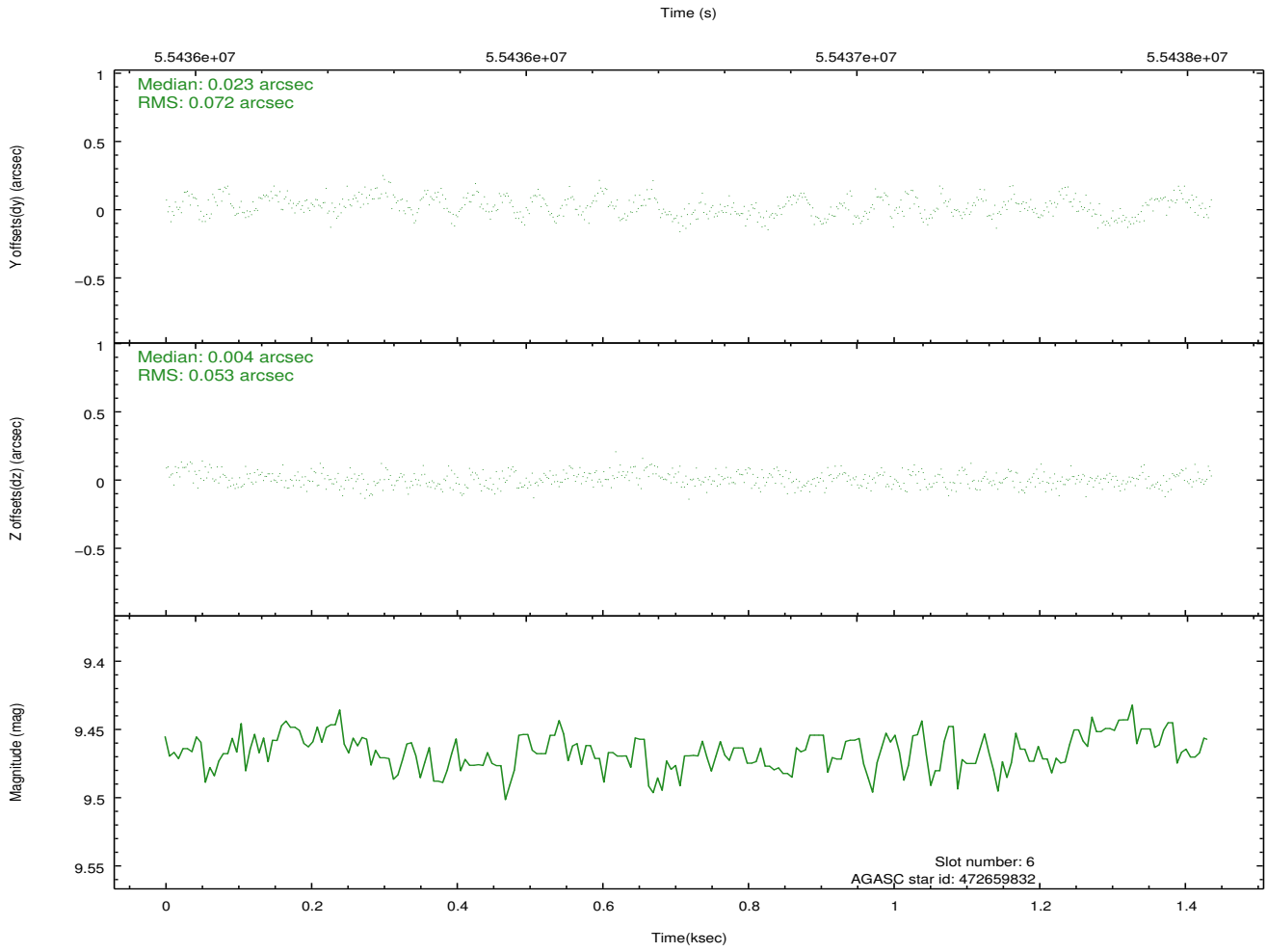
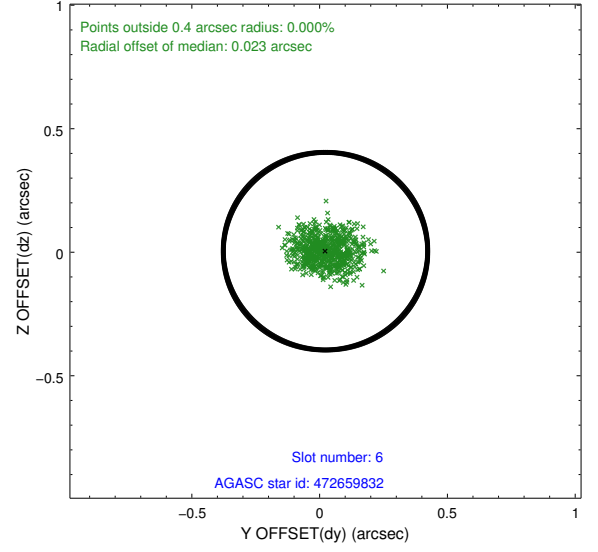
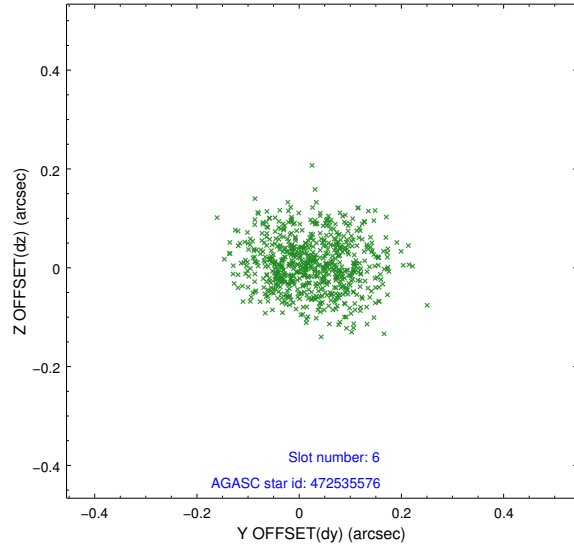
2.4.2 Slot 4



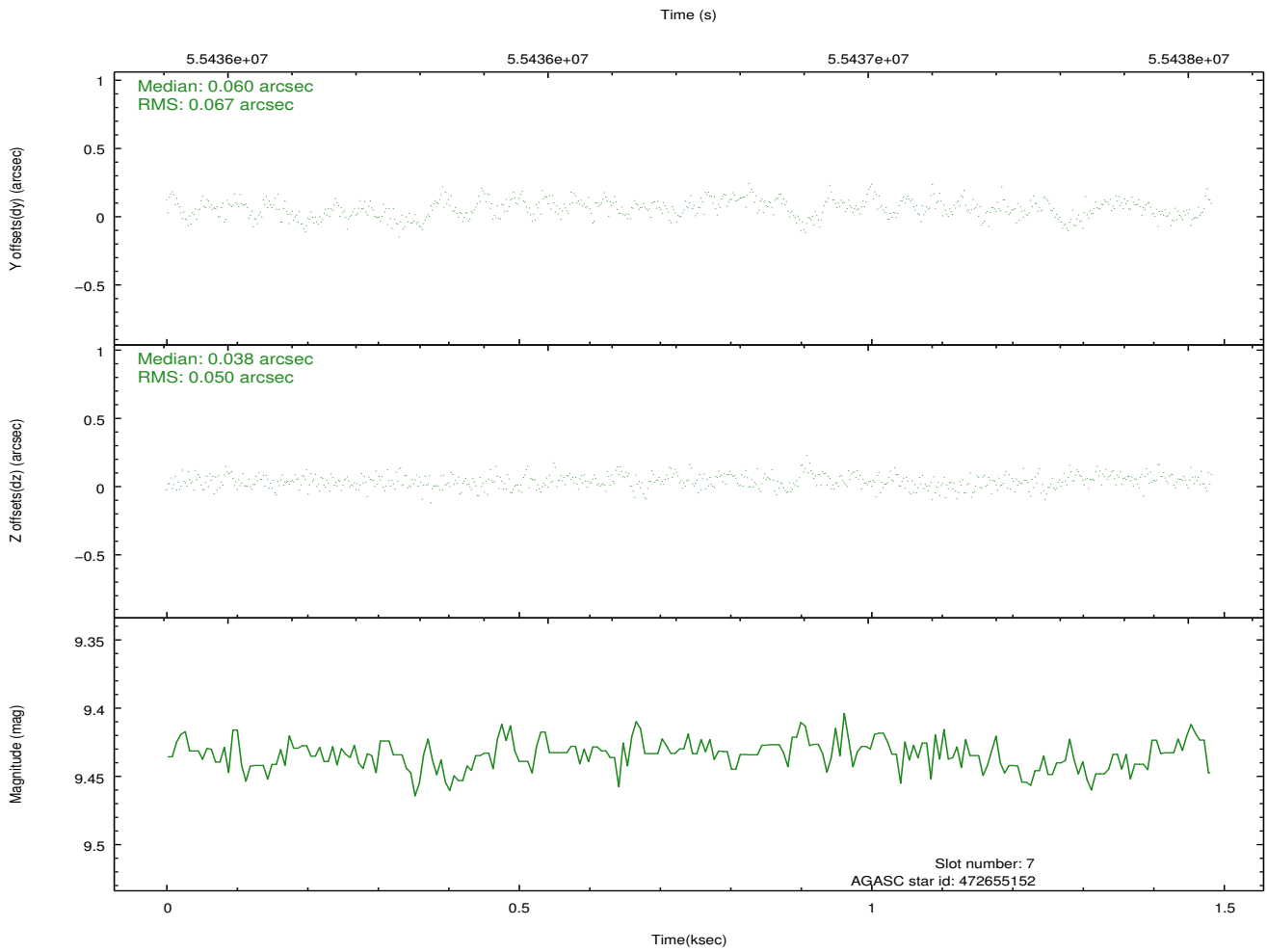
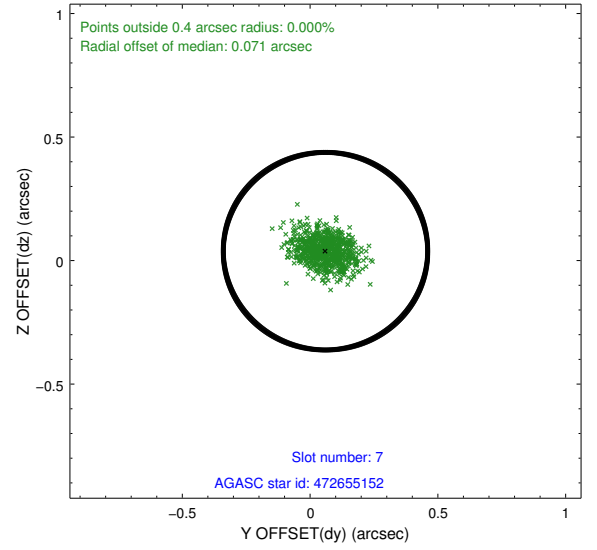
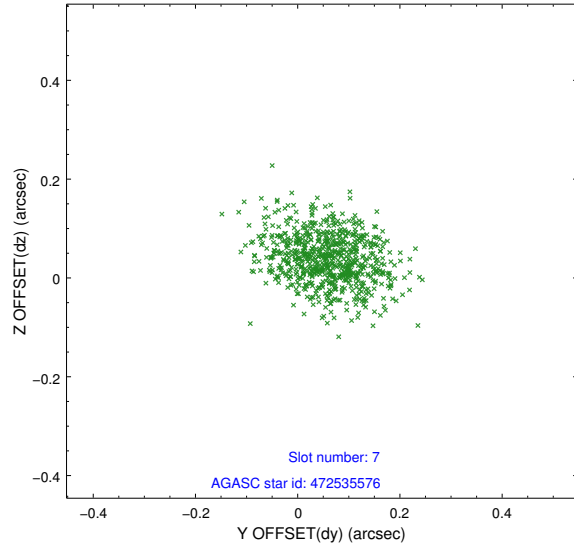
2.4.3 Slot 5



2.4.4 Slot 6

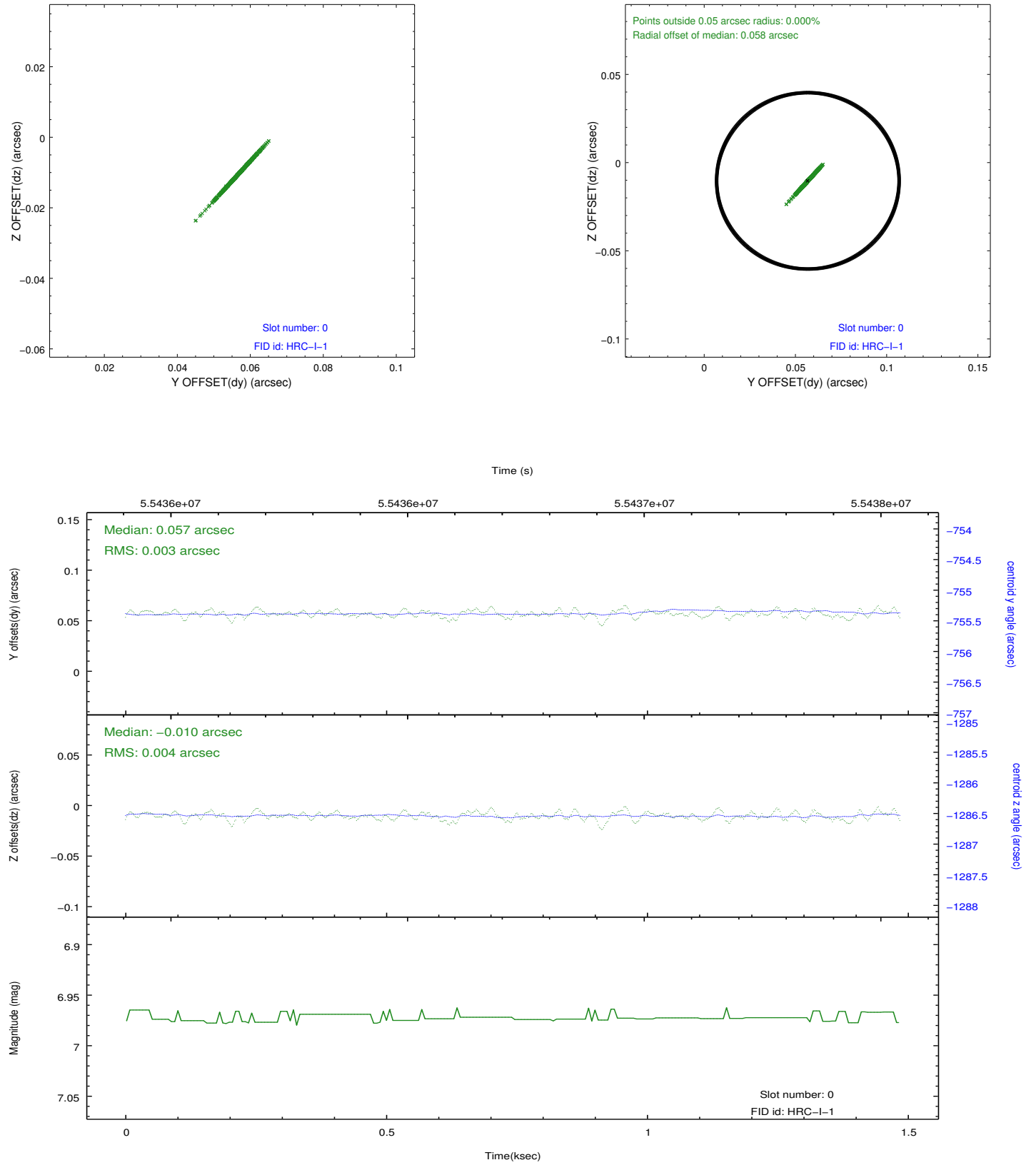


2.4.5 Slot 7

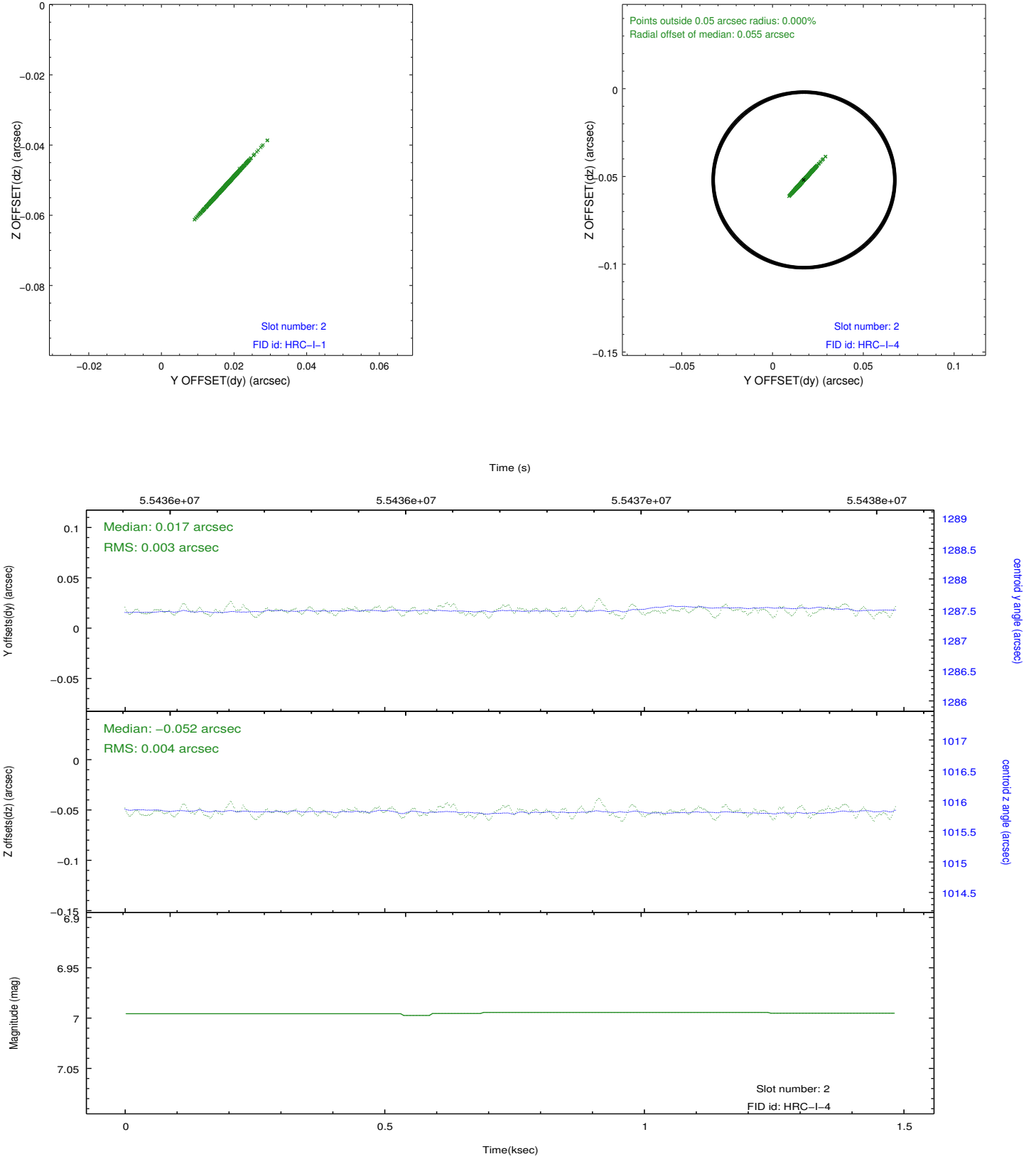


2.5 FID Slots

2.5.1 Slot 0



2.5.2 Slot 2



3 Point Sources

A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2009.11.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.275

A.2 Comments

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The ObsID series 1319-1382 were intended to access the HRC-I gain variation across the detector as a function of MCP HV. They were performed as triples (3 different HV settings at each Y-/Z-offset). The best HRC-I focus was not determined at the time the observations were performed (the data to determine that were being analyzed during this series).

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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 from the solution.