

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 1372 - L2 Version 4
Chandra X-Ray Center

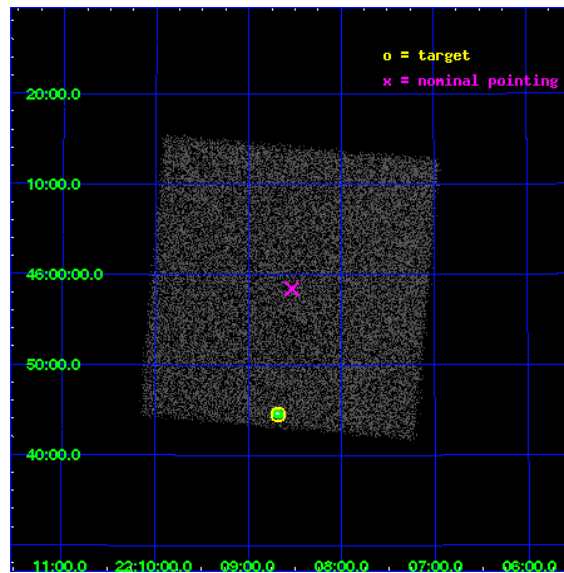
L2 Processing Date : Nov 19 2009

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1 Front

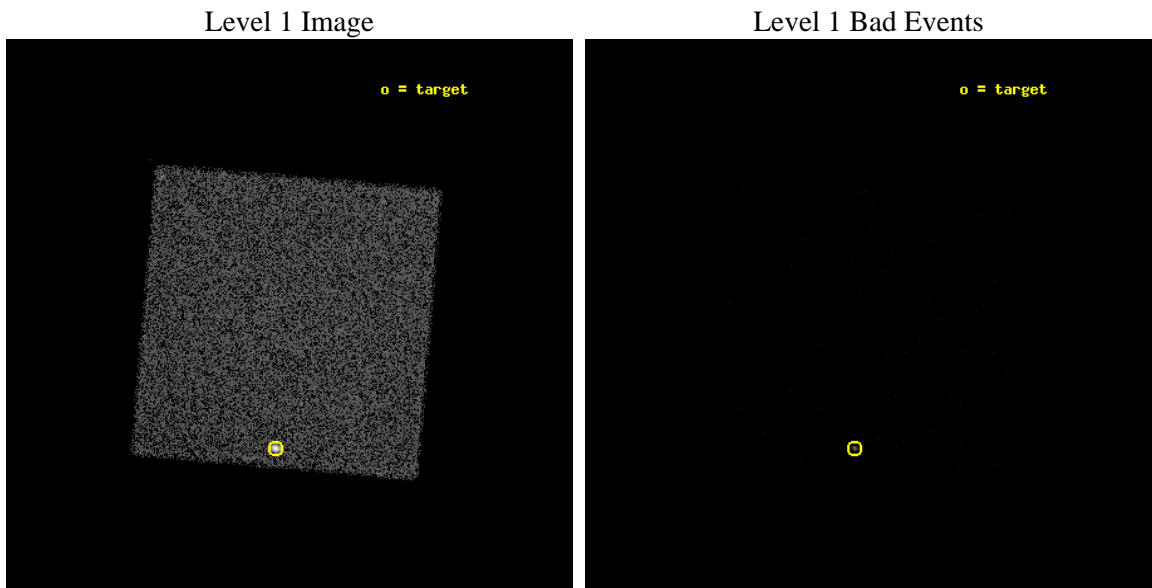
seq_num	280322	Sequence number
obs_id	1372	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.1701	Observer's specified target RA
dec_targ	45.7423	Observer's specified target Dec
ra_nom	332.13307344761	Nominal RA
dec_nom	45.974205449585	Nominal Dec
roll_nom	229.96959788824	Nominal Roll
revision	4	Processing version of data
ontime	1275.3562959433	[s]
livetime	1266.6193431351	Ontime multiplied by DTCOR
l2events	41907	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]
caldbver	4.1.4	 	l1events	66908	Number of level 1 events
date	2009-11-19T07:51:17	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

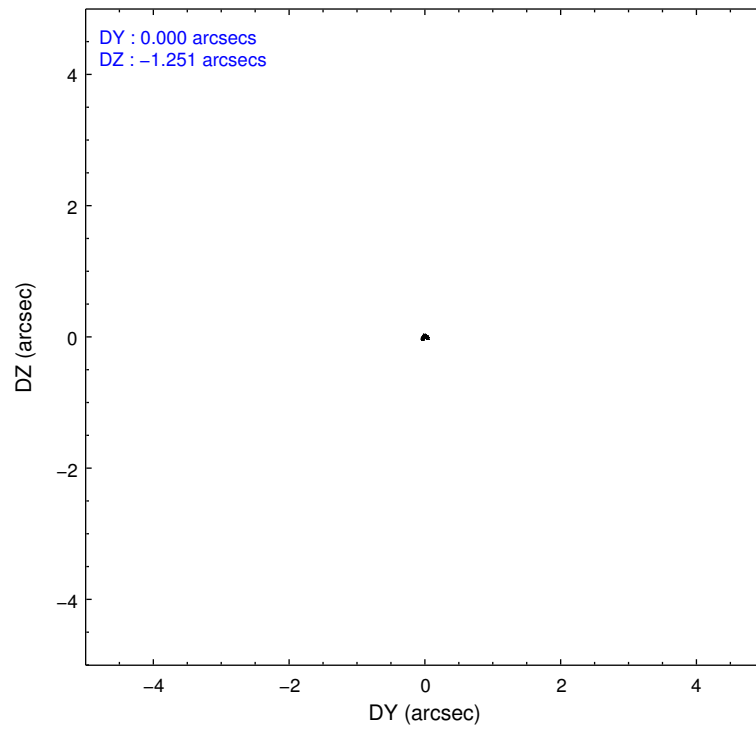
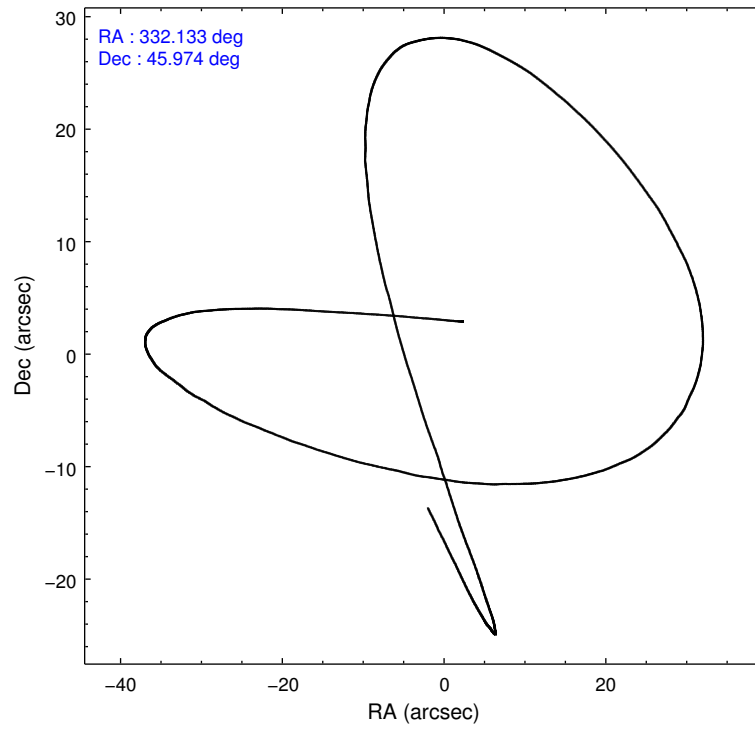
	segment 0
level 1 events	66908
rejected events	2586
rejected %	3%

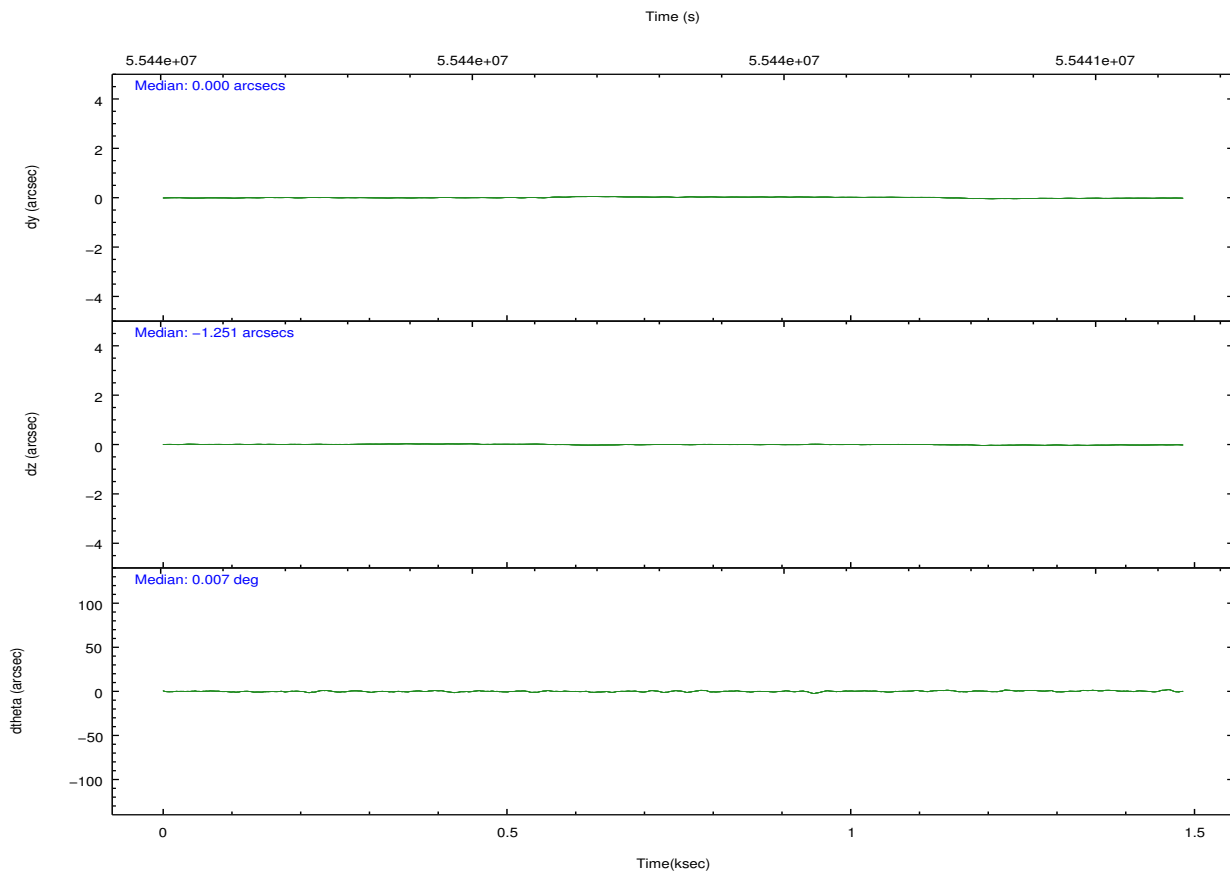
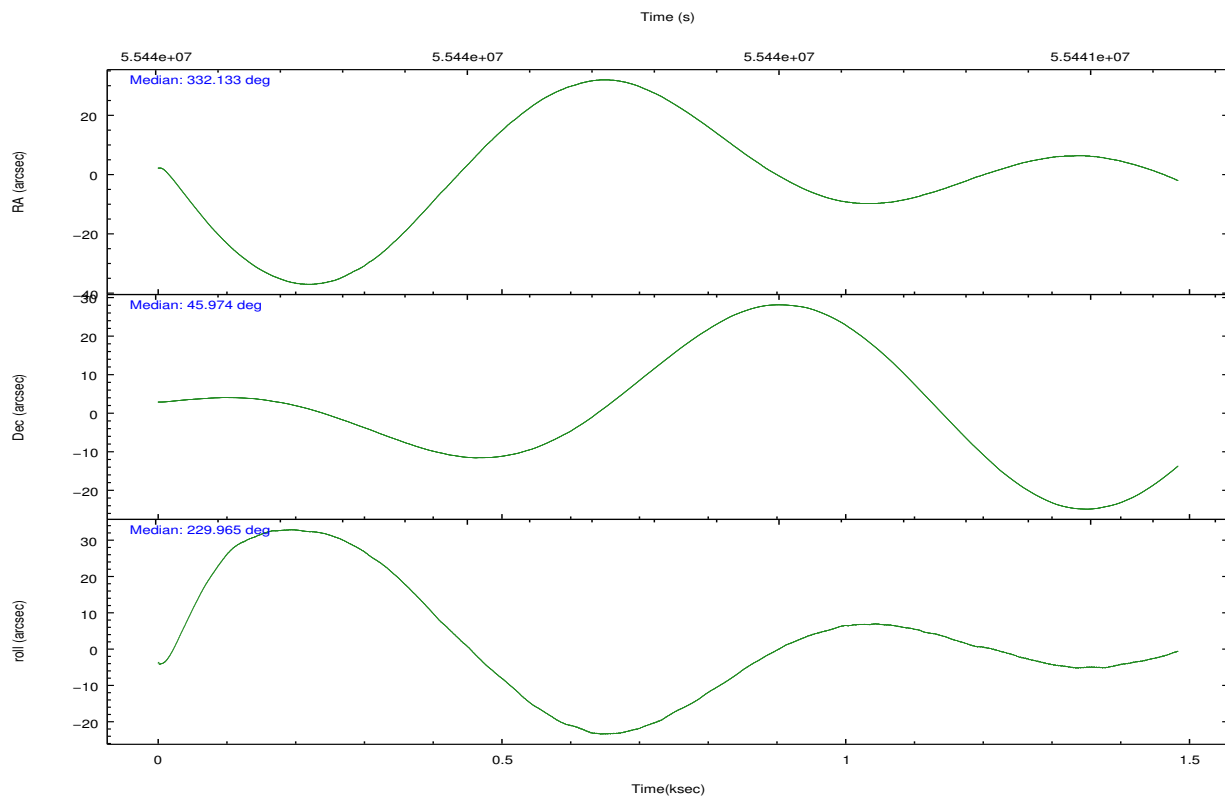
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	332.140890	332.1330734476065
Pointing Dec	46.001971	45.97420544958483
Pointing Roll	230.059432	229.9695978882363
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	55440064.184000	55439397.659651
Observation start date	1999-10-04T16:00:00	1999-10-04T15:49:57
Observation end time	55441064.184000	55441198.072216
Observation end date	1999-10-04T16:16:40	1999-10-04T16:19:58

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

2.3 Aspect



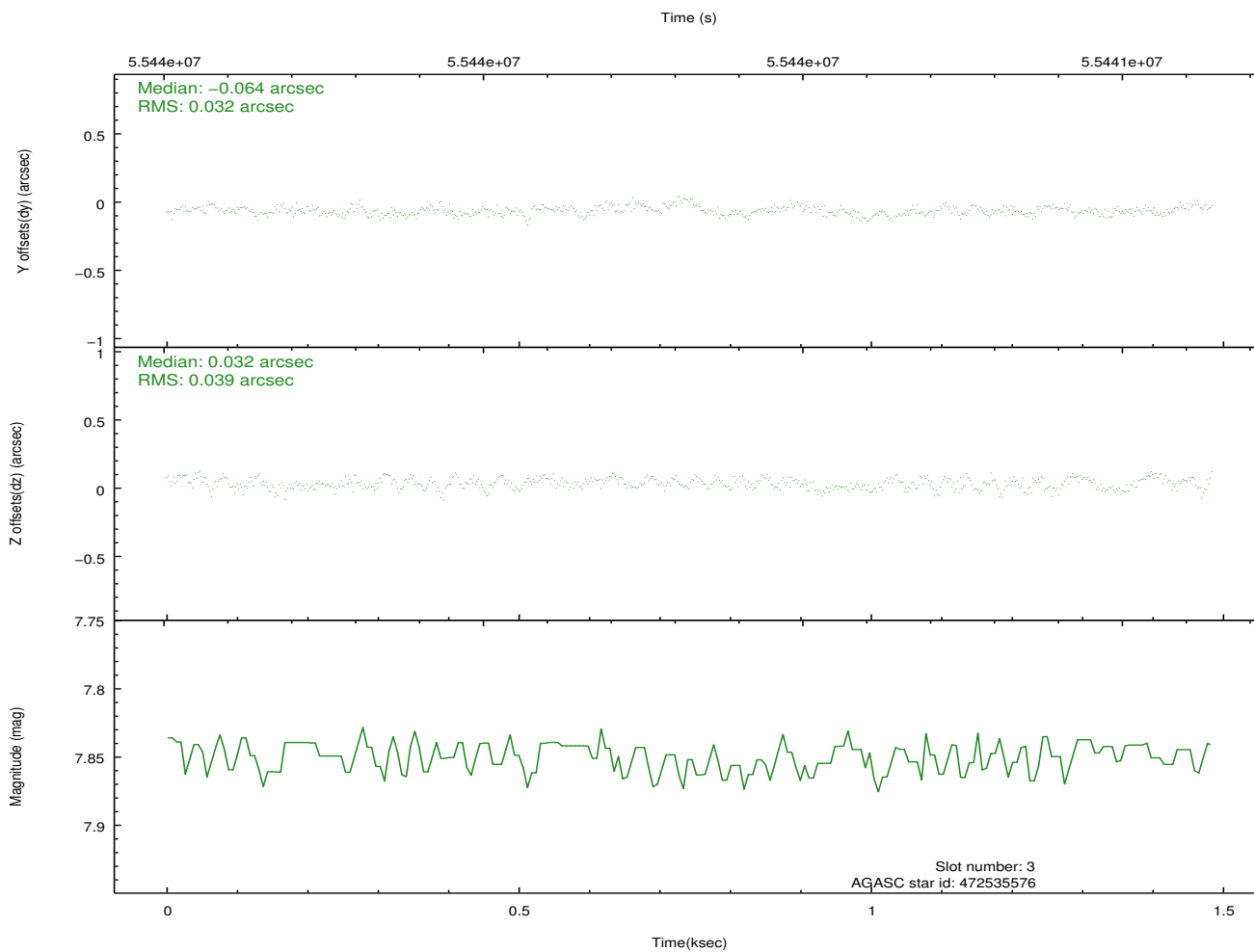
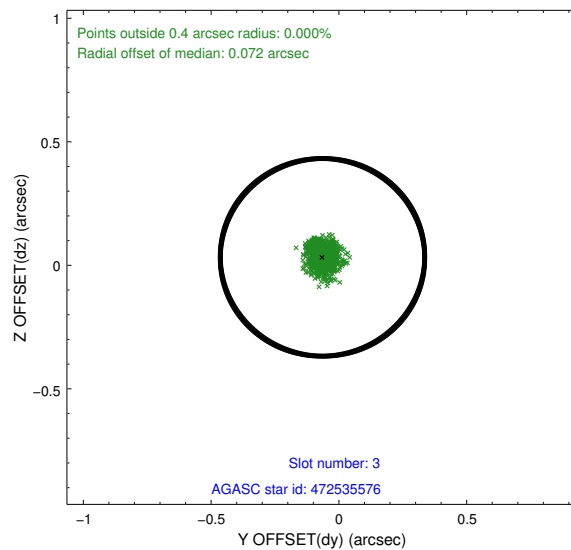
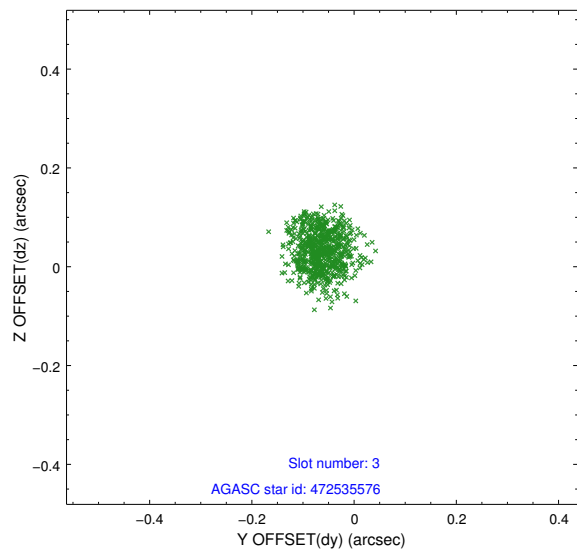


Slot Statistics

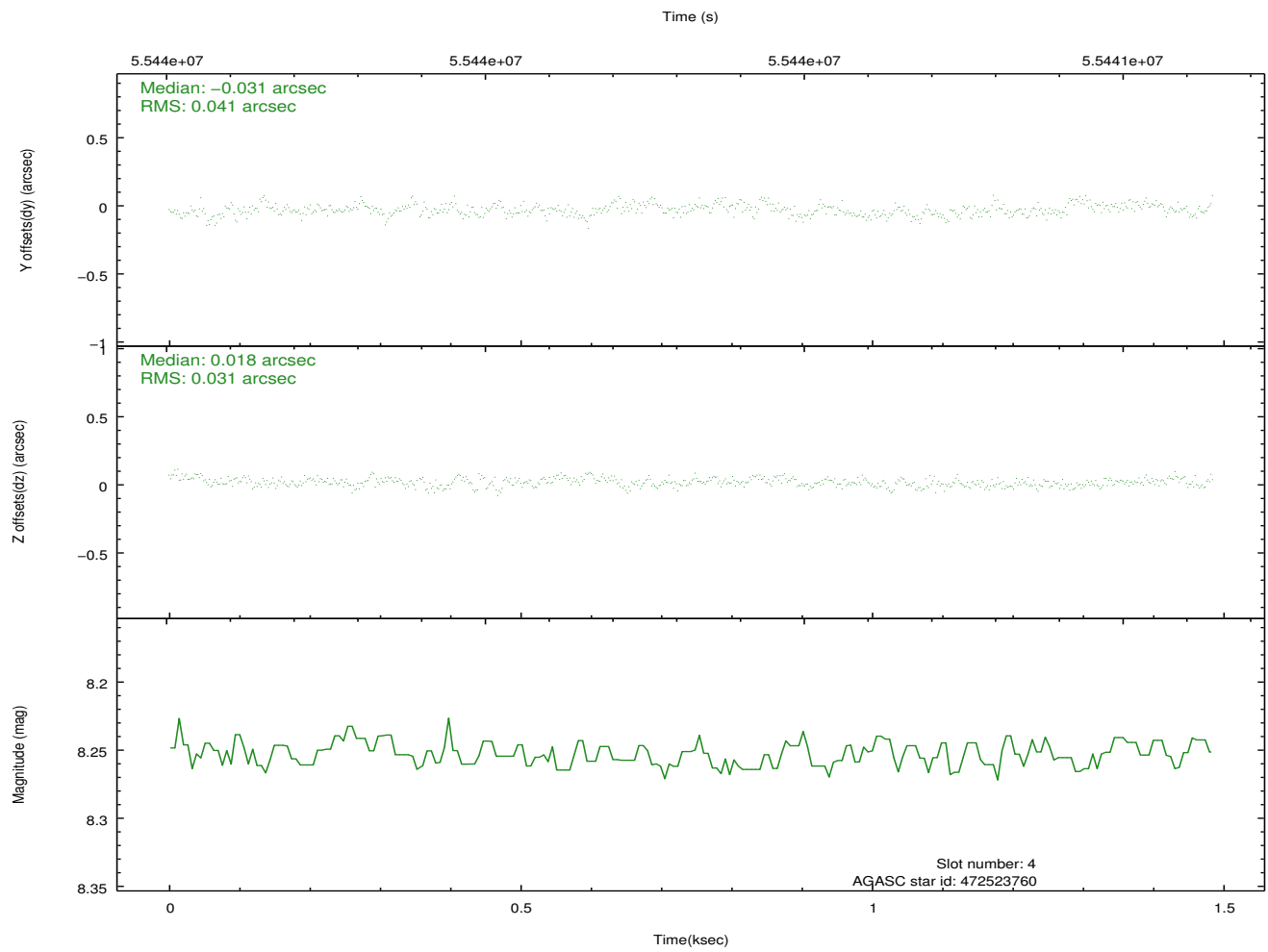
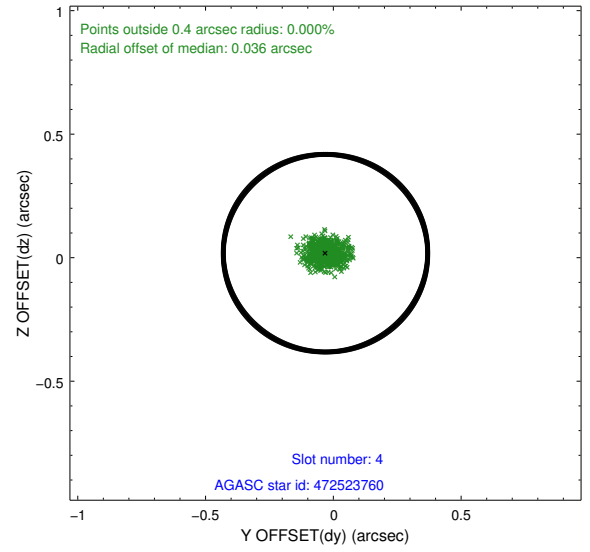
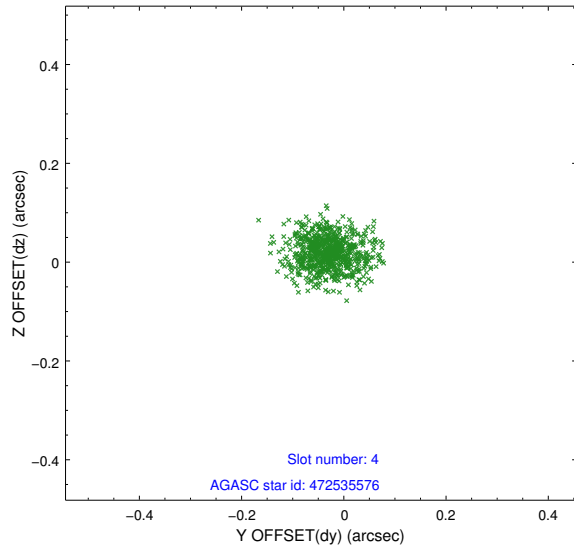
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	725	0.056	-0.011	0.005	0.010	0.000000	0.000000	-755.38	-1286.55
1	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
2	FID	HRC-I-4	6.99	725	0.018	-0.051	0.005	0.010	0.000000	0.000000	1286.44	1014.04
3	GUIDE	472535576	7.85	725	-0.064	0.032	0.055	0.084	331.438373	46.291802	312.48	-2014.09
4	GUIDE	472523760	8.25	724	-0.031	0.018	0.054	0.092	331.645363	45.403260	2450.42	418.87
5	GUIDE	472665256	9.01	725	0.003	-0.102	0.068	0.115	332.808125	46.195041	-1606.00	824.99
6	GUIDE	472659832	9.47	697	0.031	0.004	0.097	0.146	332.780399	46.098139	-1301.28	999.09
7	GUIDE	472655152	9.43	723	0.056	0.043	0.085	0.144	332.504239	45.862991	-208.21	1020.19

2.4 Star Slots

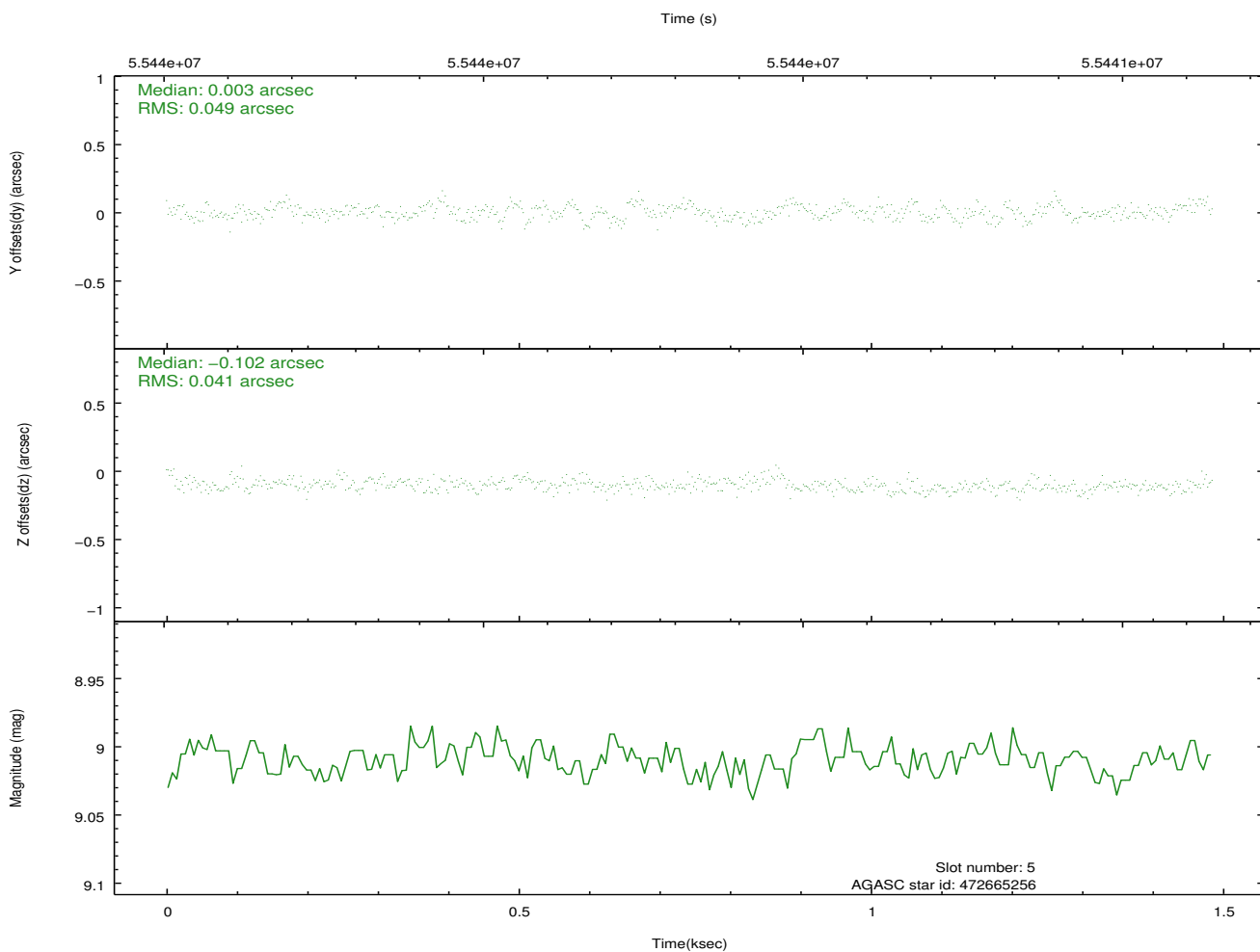
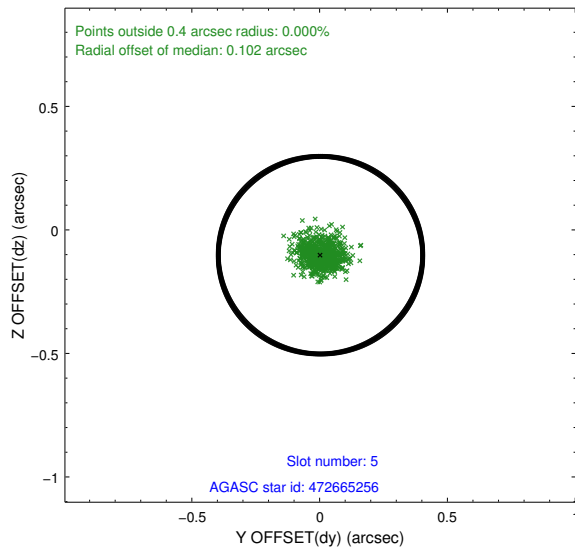
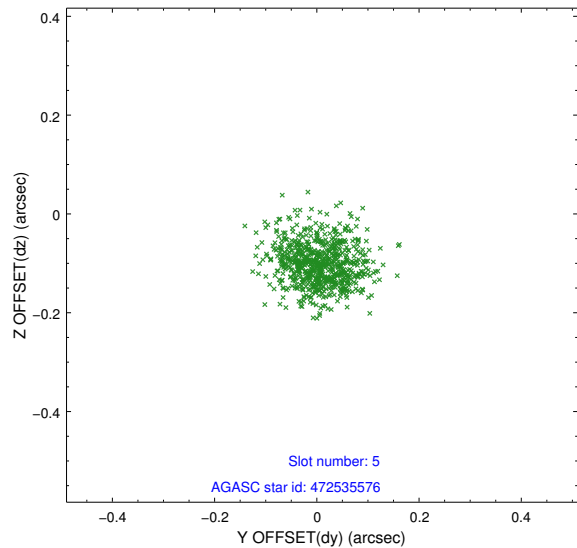
2.4.1 Slot 3



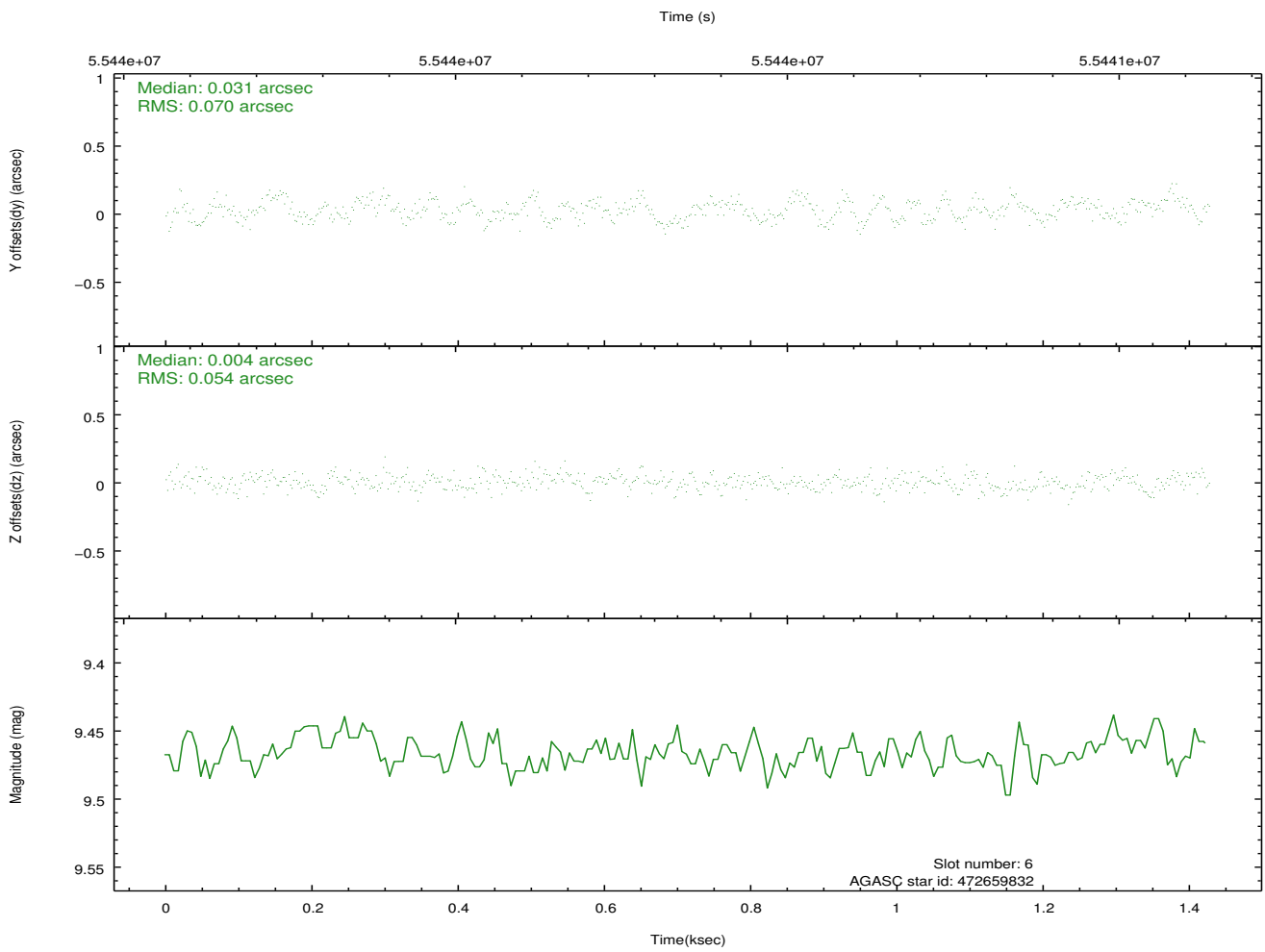
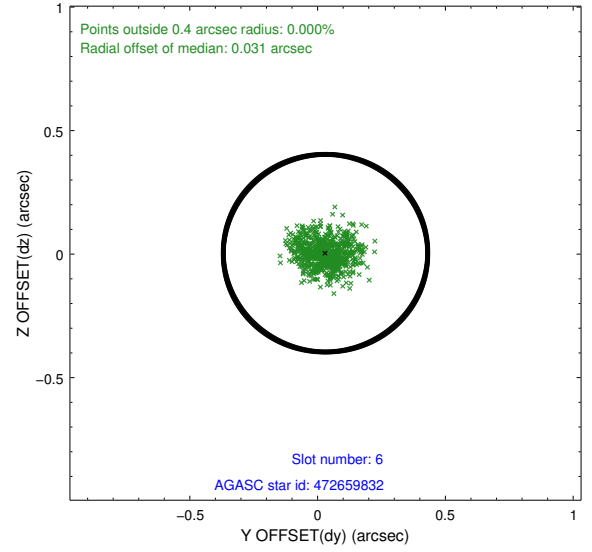
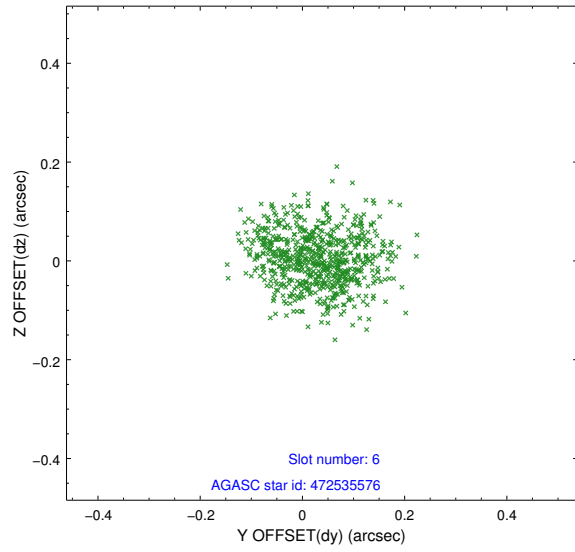
2.4.2 Slot 4



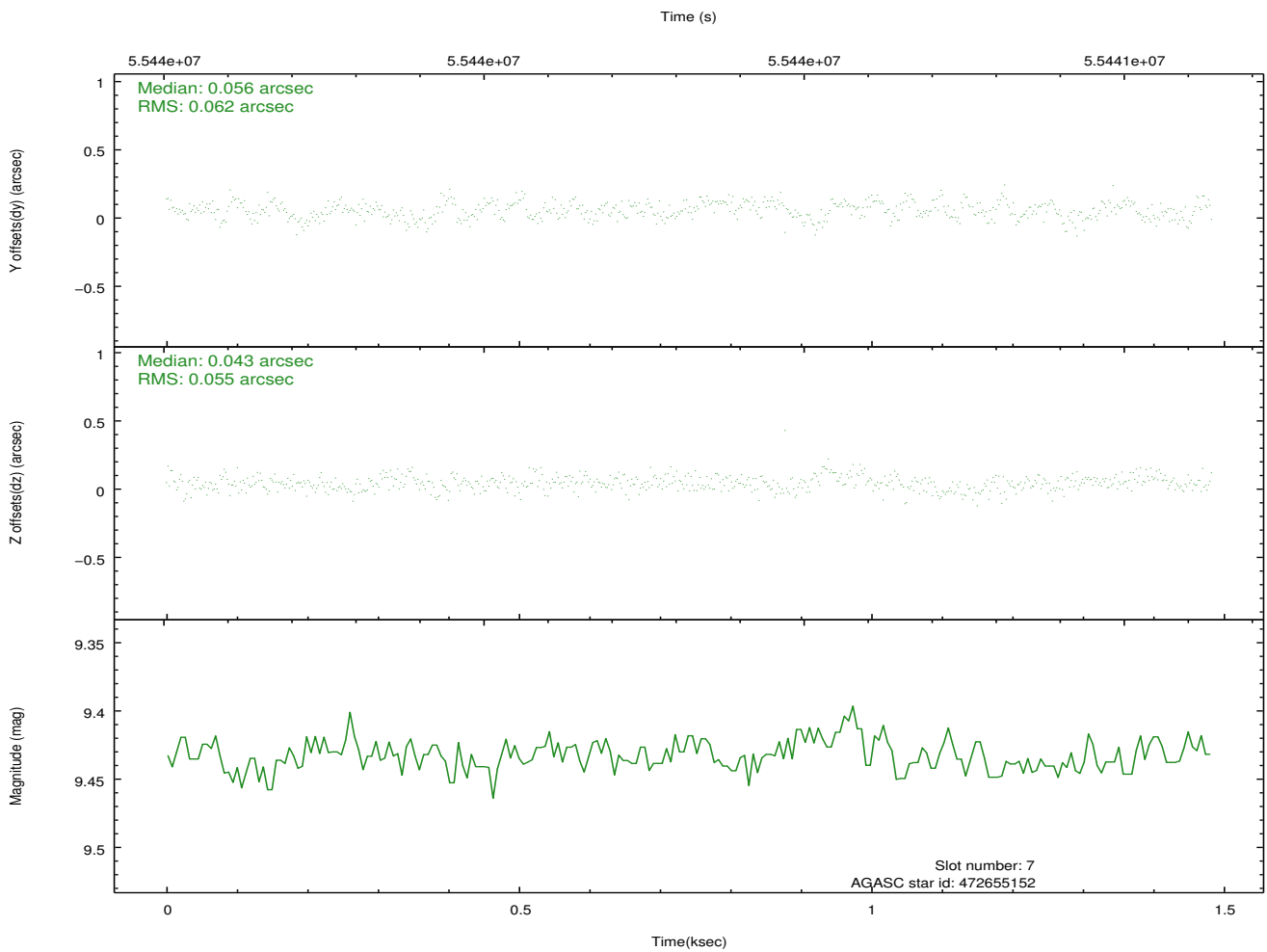
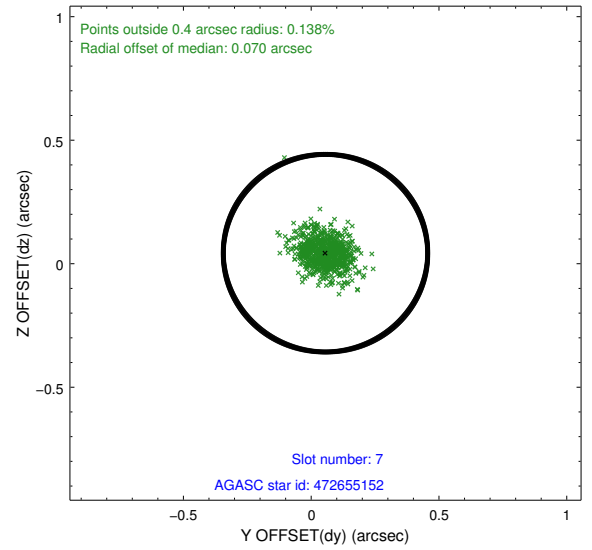
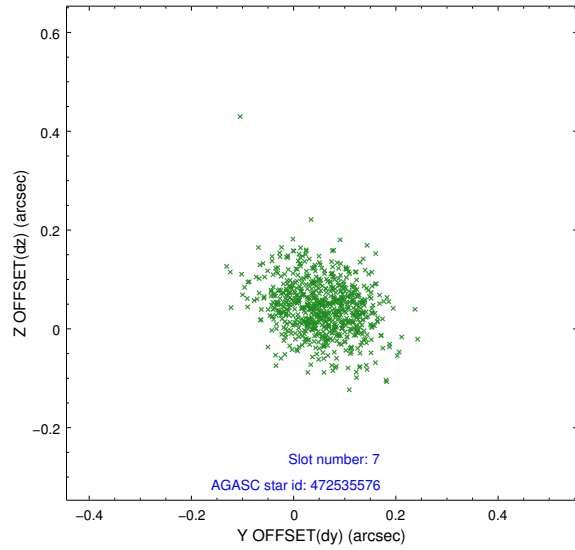
2.4.3 Slot 5



2.4.4 Slot 6

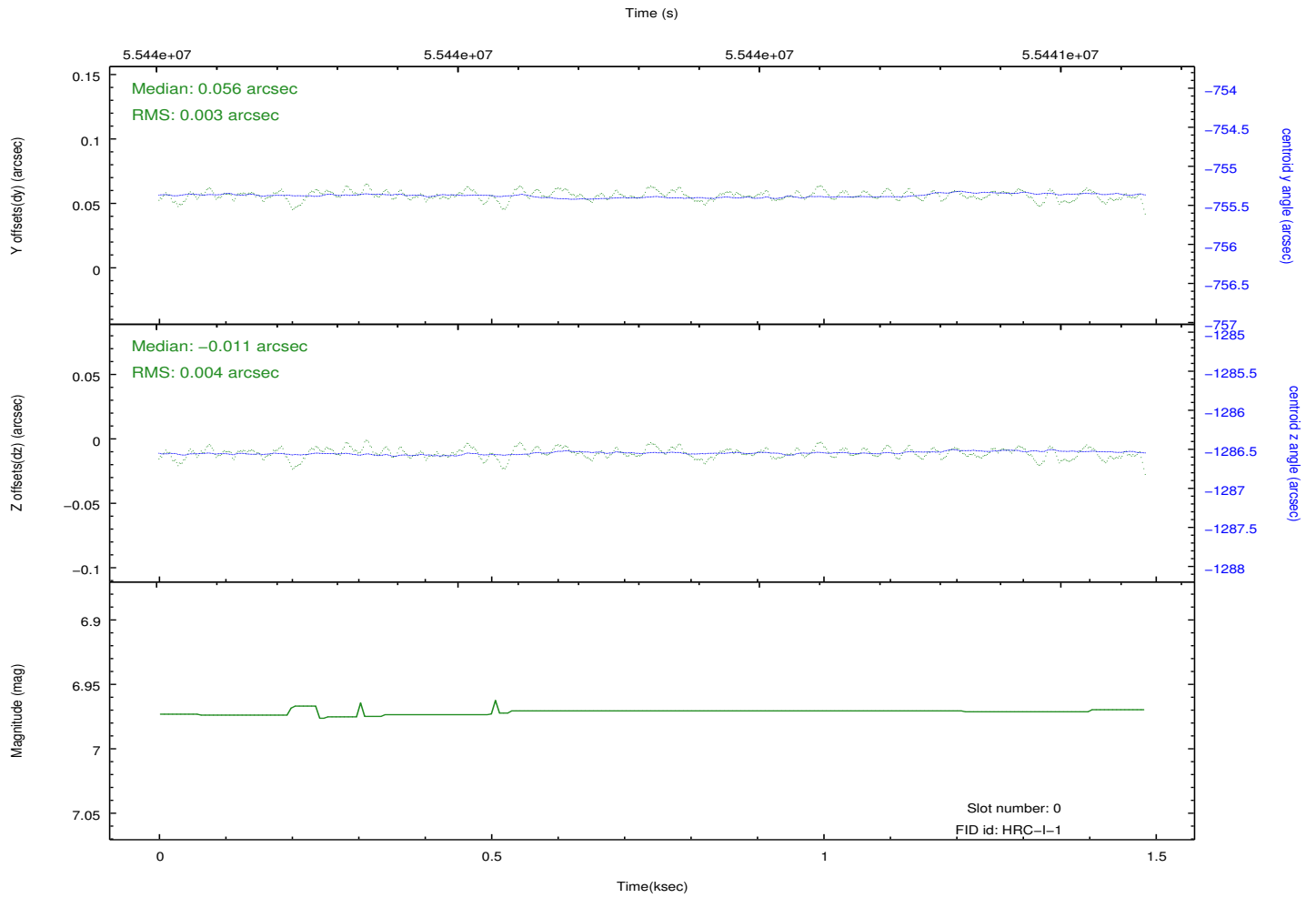
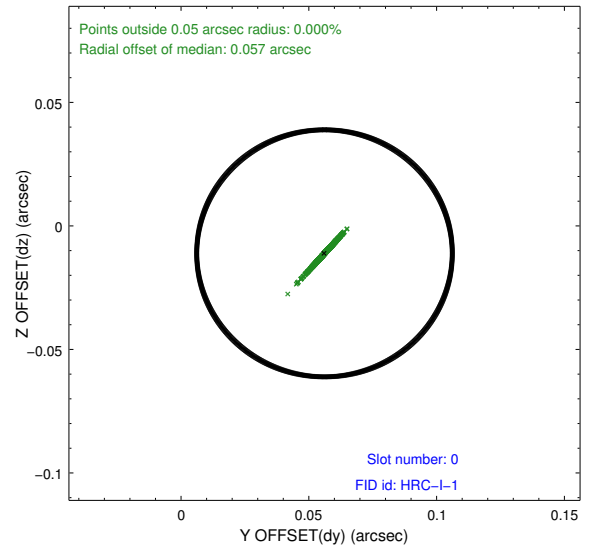
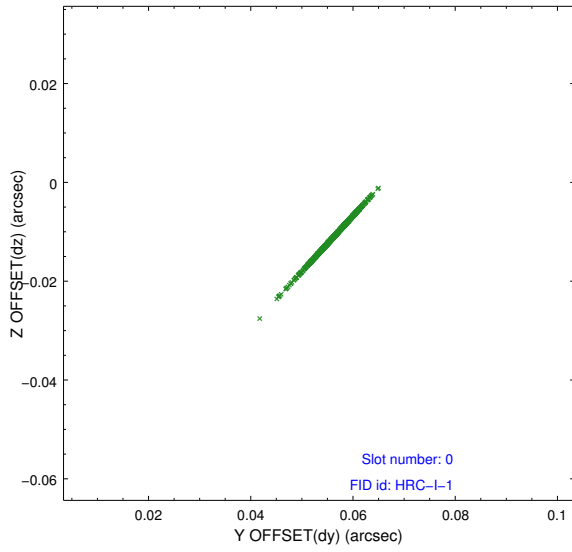


2.4.5 Slot 7

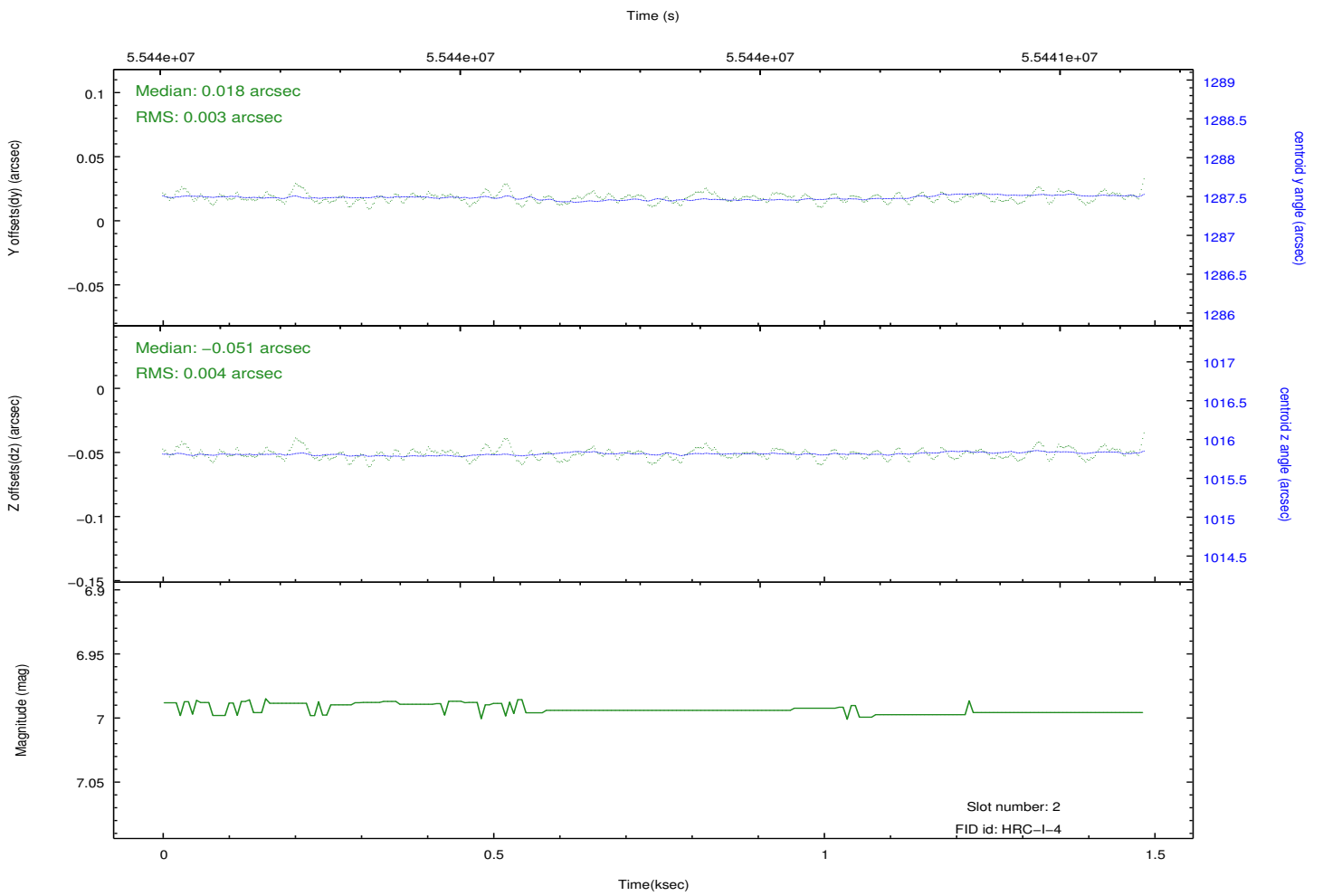
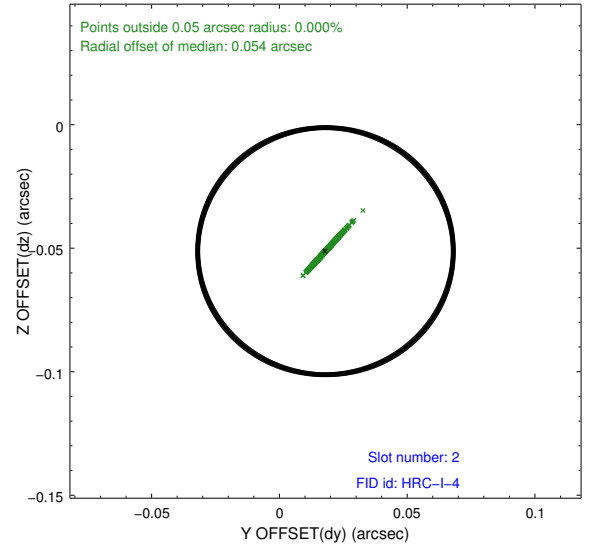
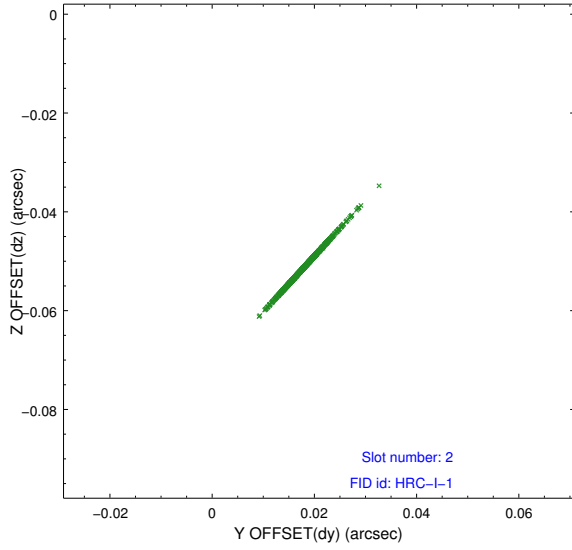


2.5 FID Slots

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

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.