

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 1359 - L2 Version 4

Chandra X-Ray Center

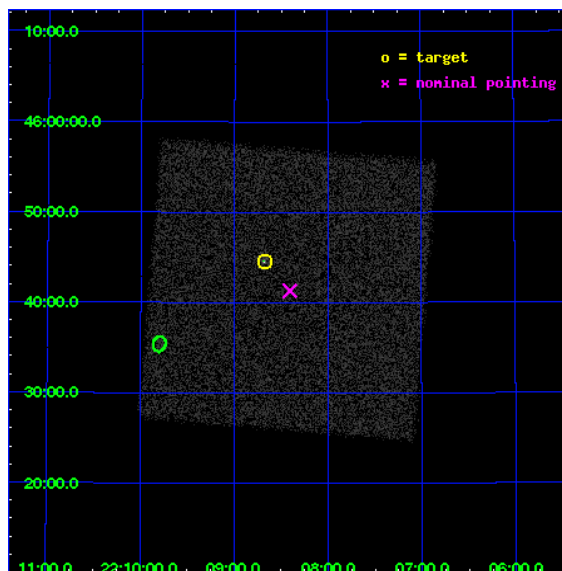
L2 Processing Date : Nov 19 2009

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1 Front

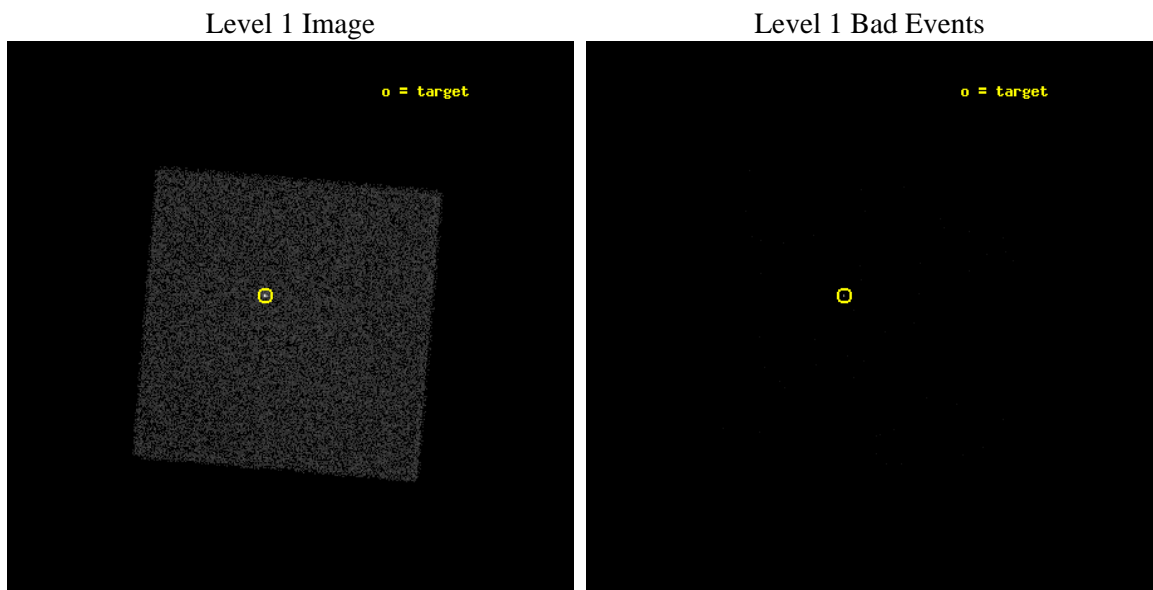
seq_num	280309	Sequence number
obs_id	1359	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.1701	Observer's specified target RA
dec_targ	45.7423	Observer's specified target Dec
ra_nom	332.10139870501	Nominal RA
dec_nom	45.688415021676	Nominal Dec
roll_nom	229.83760174547	Nominal Roll
revision	4	Processing version of data
ontime	1276.3812959865	[s]
livetime	1267.4689180217	Ontime multiplied by DTCOR
l2events	40773	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	1276.3812959865	[s]
caldbver	4.1.4	 	l1events	68252	Number of level 1 events
date	2009-11-19T05:19:24	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

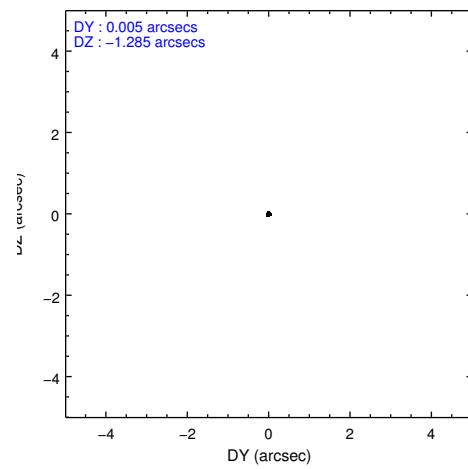
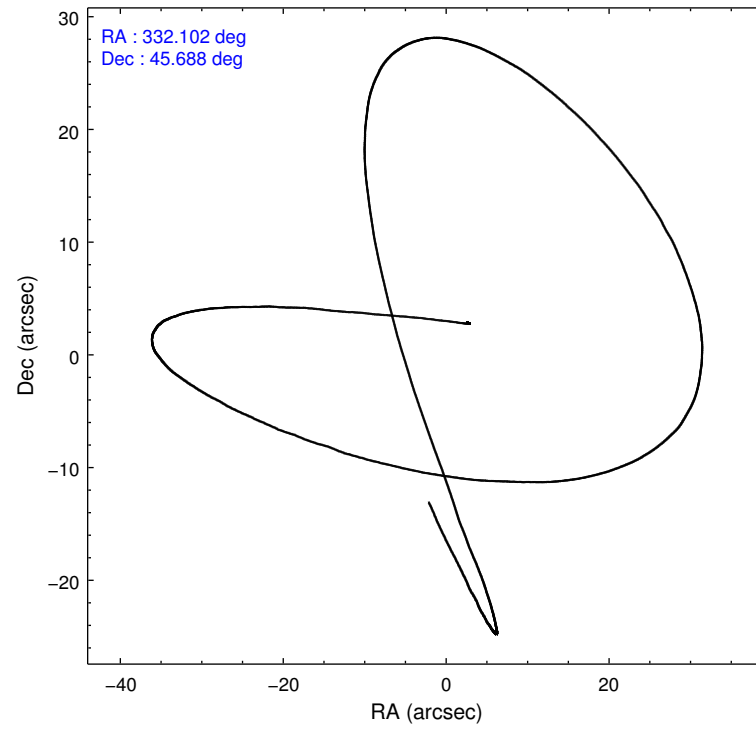
Level 1 Events

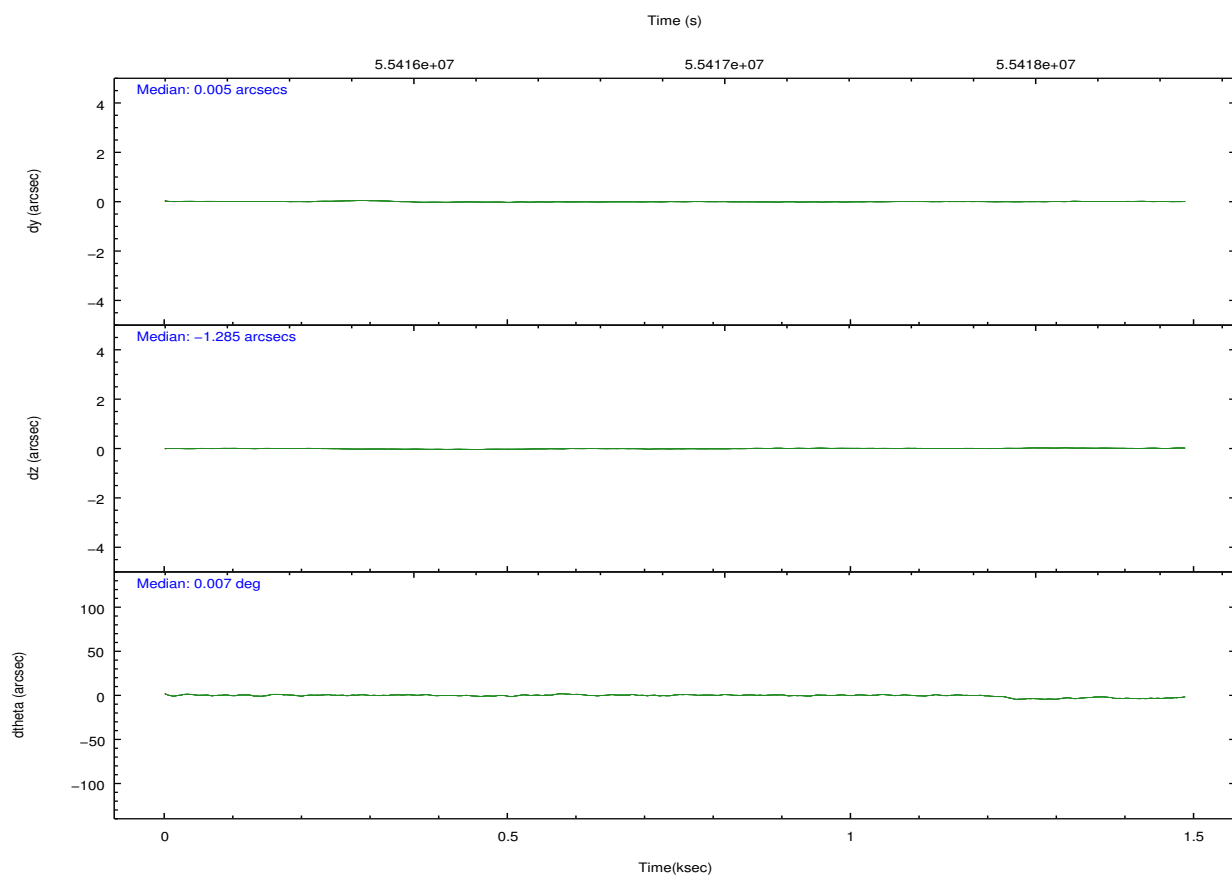
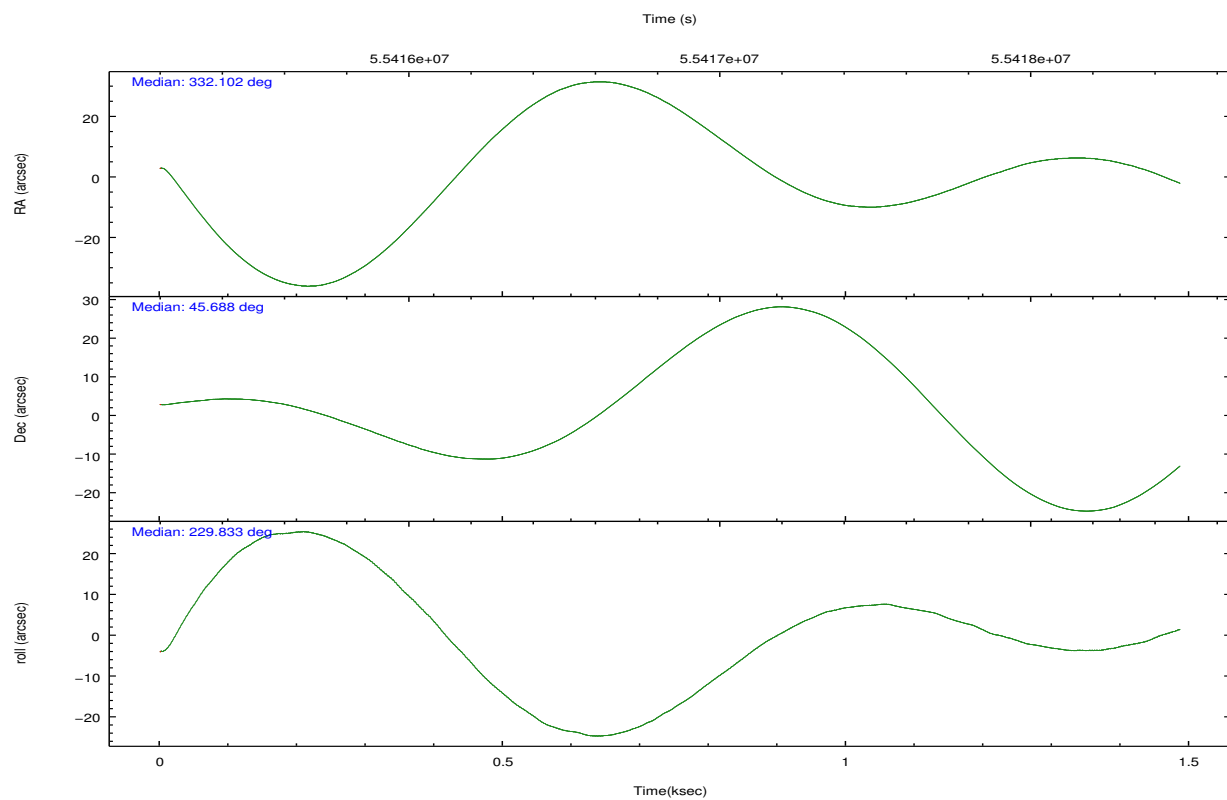
	segment 0
level 1 events	68252
rejected events	2583
rejected %	3%

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	332.109254	332.1013987050143			
Pointing Dec	45.716184	45.68841502167574			
Pointing Roll	229.927455	229.83760174547			
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	55416664.184000	55415997.421308			
Observation start date	1999-10-04T09:30:00	1999-10-04T09:19:57			
Observation end time	55417664.184000	55417797.321373			
Observation end date	1999-10-04T09:46:40	1999-10-04T09:49:57			

2.3 Aspect



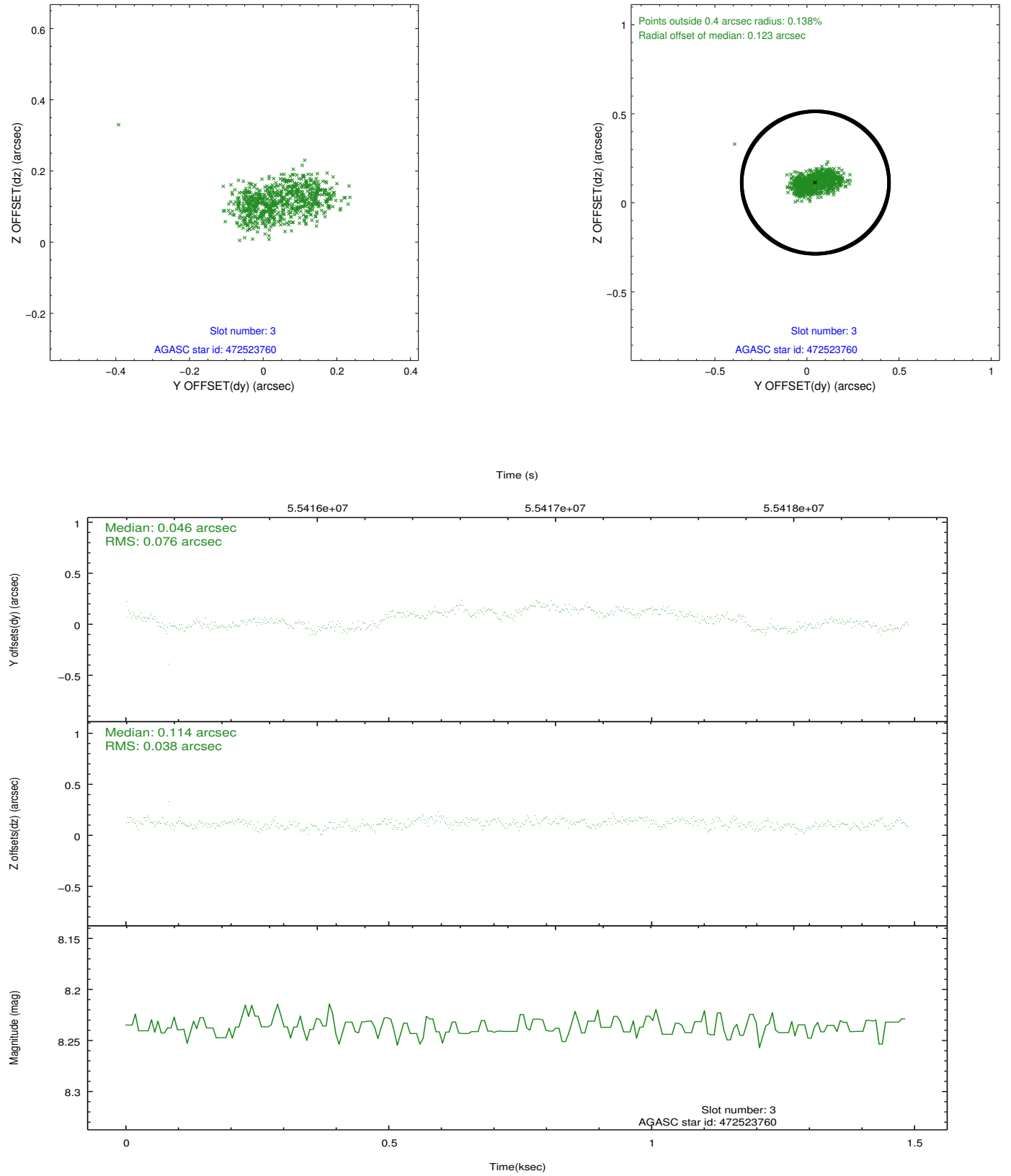


Slot Statistics

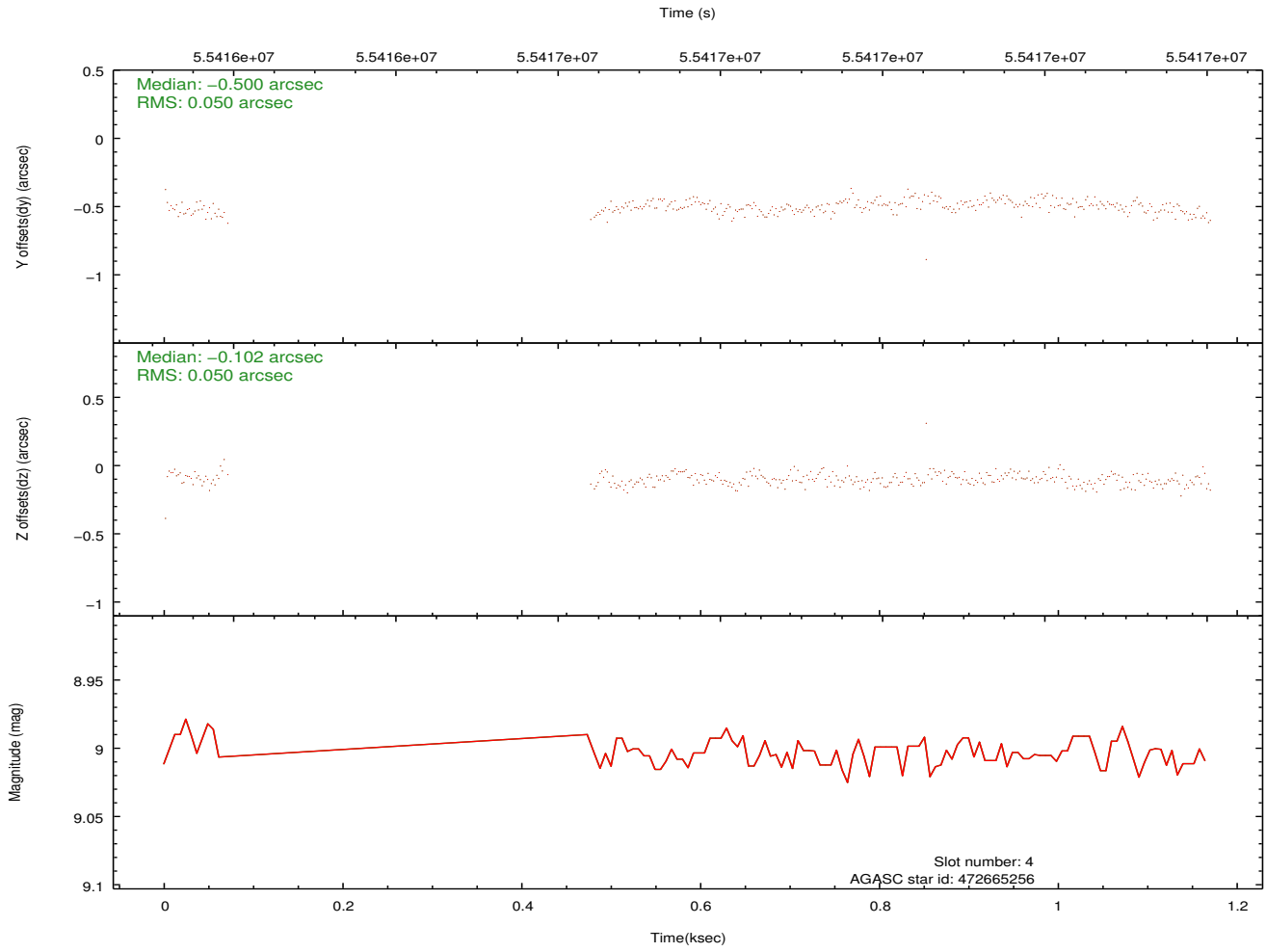
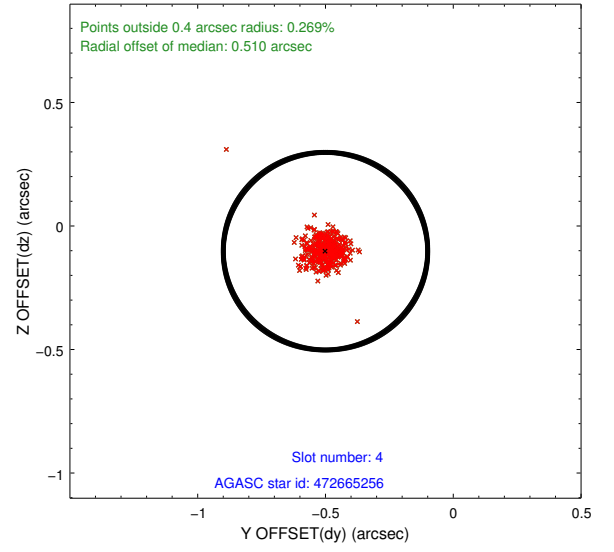
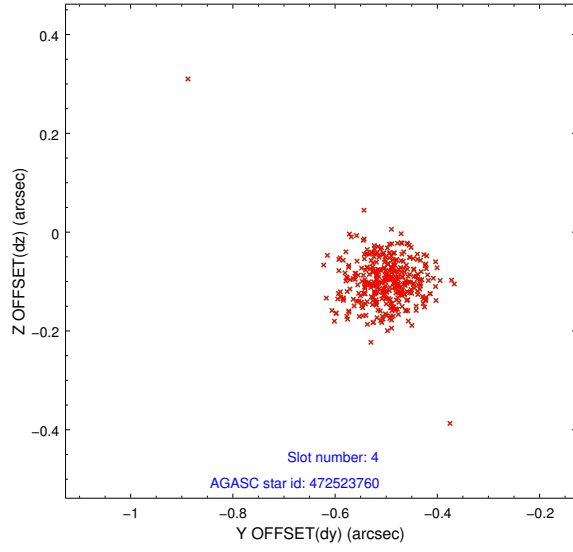
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	726	0.057	-0.009	0.008	0.020	0.000000	0.000000	-755.38	-1286.51
1	FID	HRC-I-3	7.05	726	0.056	-0.029	0.009	0.028	0.000000	0.000000	-1184.99	1016.44
2	FID	HRC-I-4	6.99	726	0.001	-0.052	0.008	0.026	0.000000	0.000000	1285.83	1017.25
3	GUIDE	472523760	8.24	726	0.046	0.114	0.092	0.135	331.645363	45.403260	1610.87	-173.66
4	BAD	472665256	9.00	372	-0.500	-0.102	0.069	0.105	332.808125	46.195041	-2433.49	218.95
5	GUIDE	472659832	9.46	725	0.061	0.121	0.102	0.153	332.780399	46.098139	-2142.95	392.95
6	GUIDE	472654568	9.44	725	-0.000	0.024	0.117	0.205	332.194449	45.063576	1651.75	1679.20
7	GUIDE	472524416	9.49	725	0.145	-0.211	0.156	0.240	330.789917	45.626718	2362.96	-2349.38

2.4 Star Slots

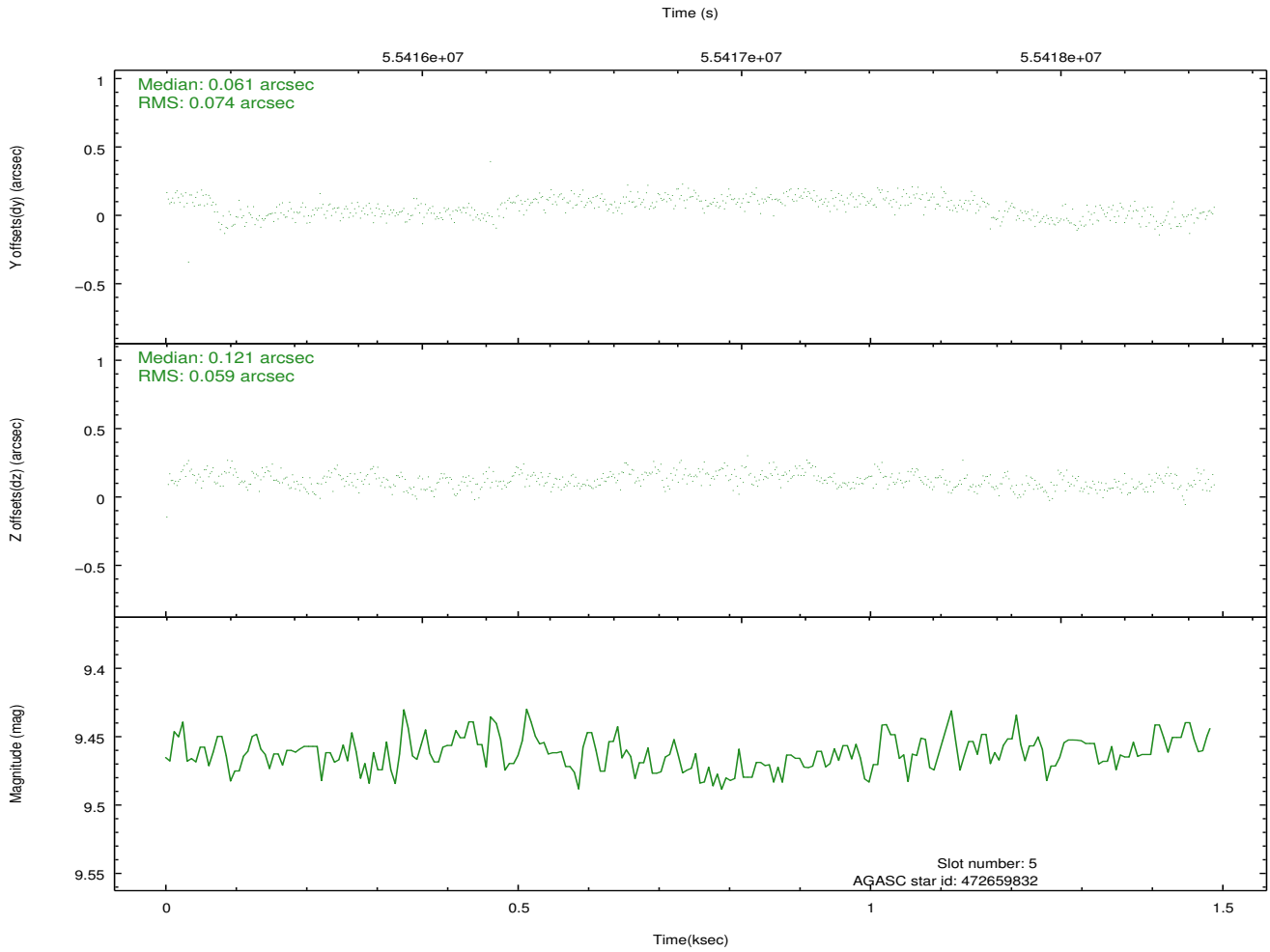
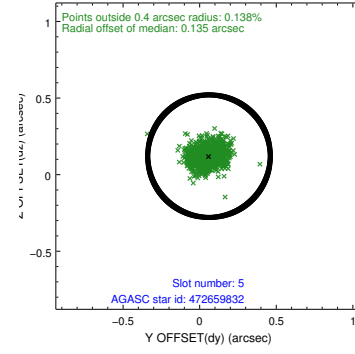
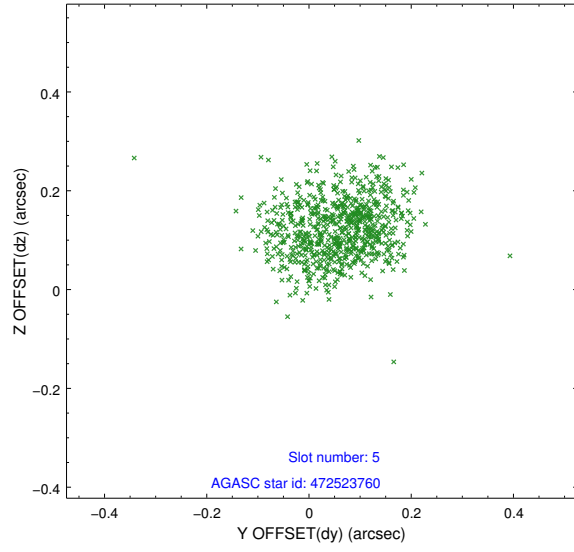
2.4.1 Slot 3



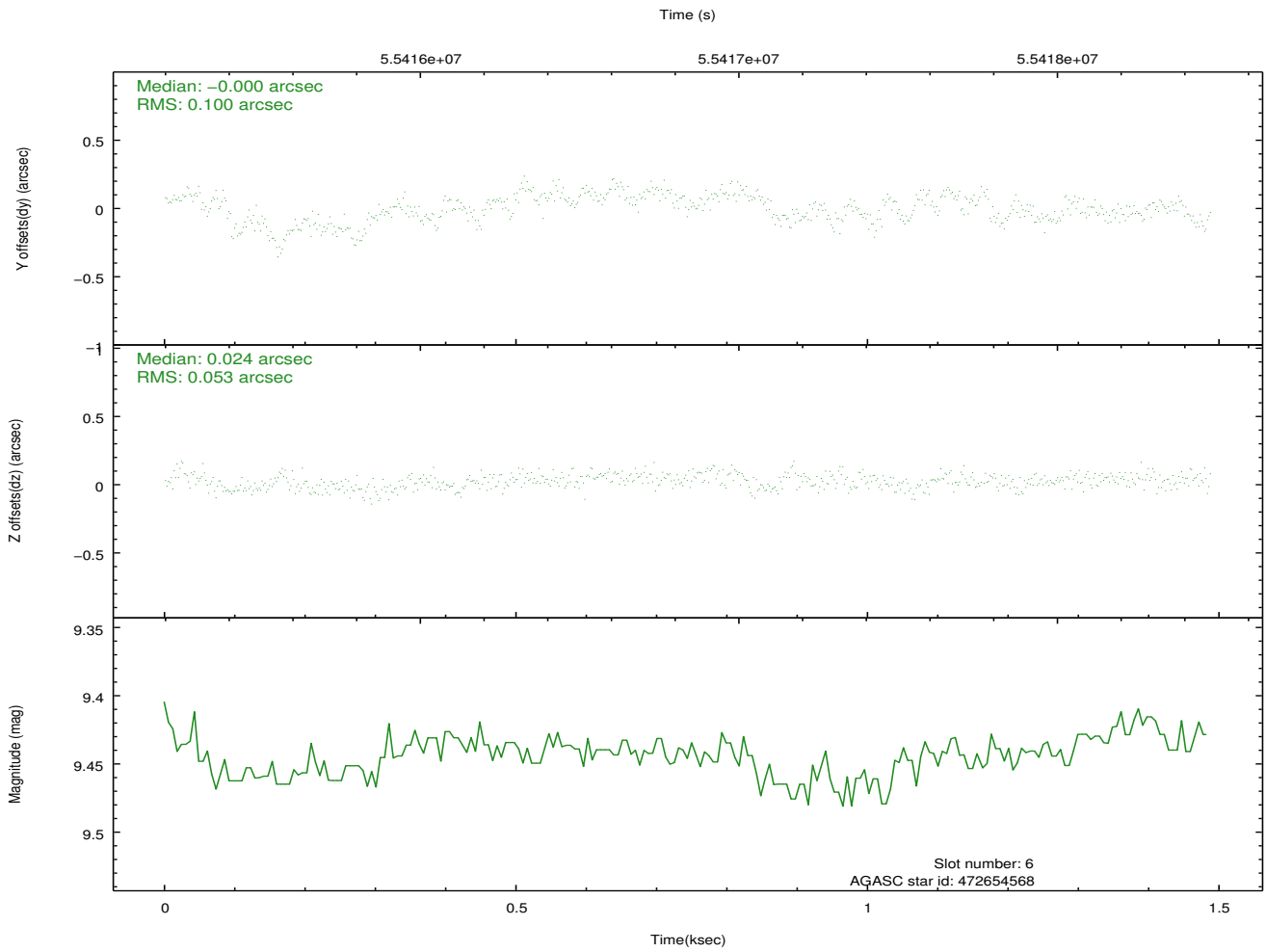
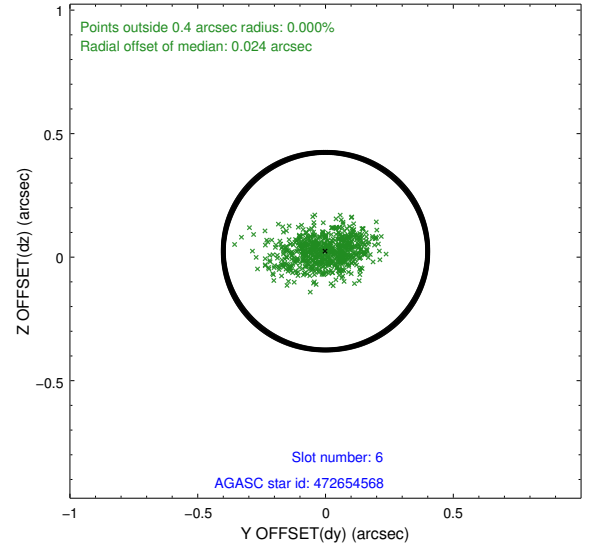
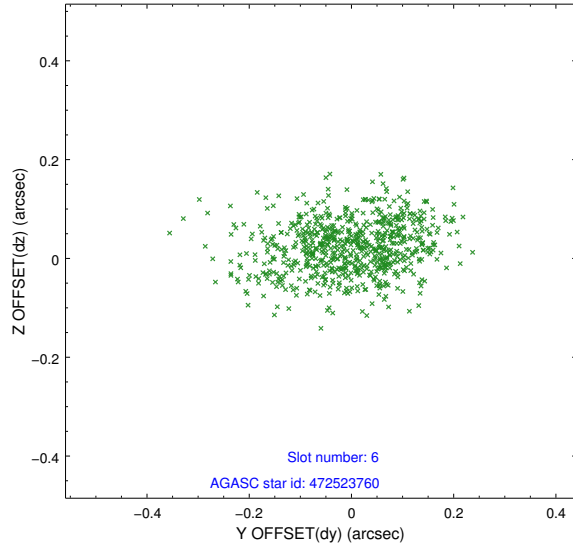
2.4.2 Slot 4



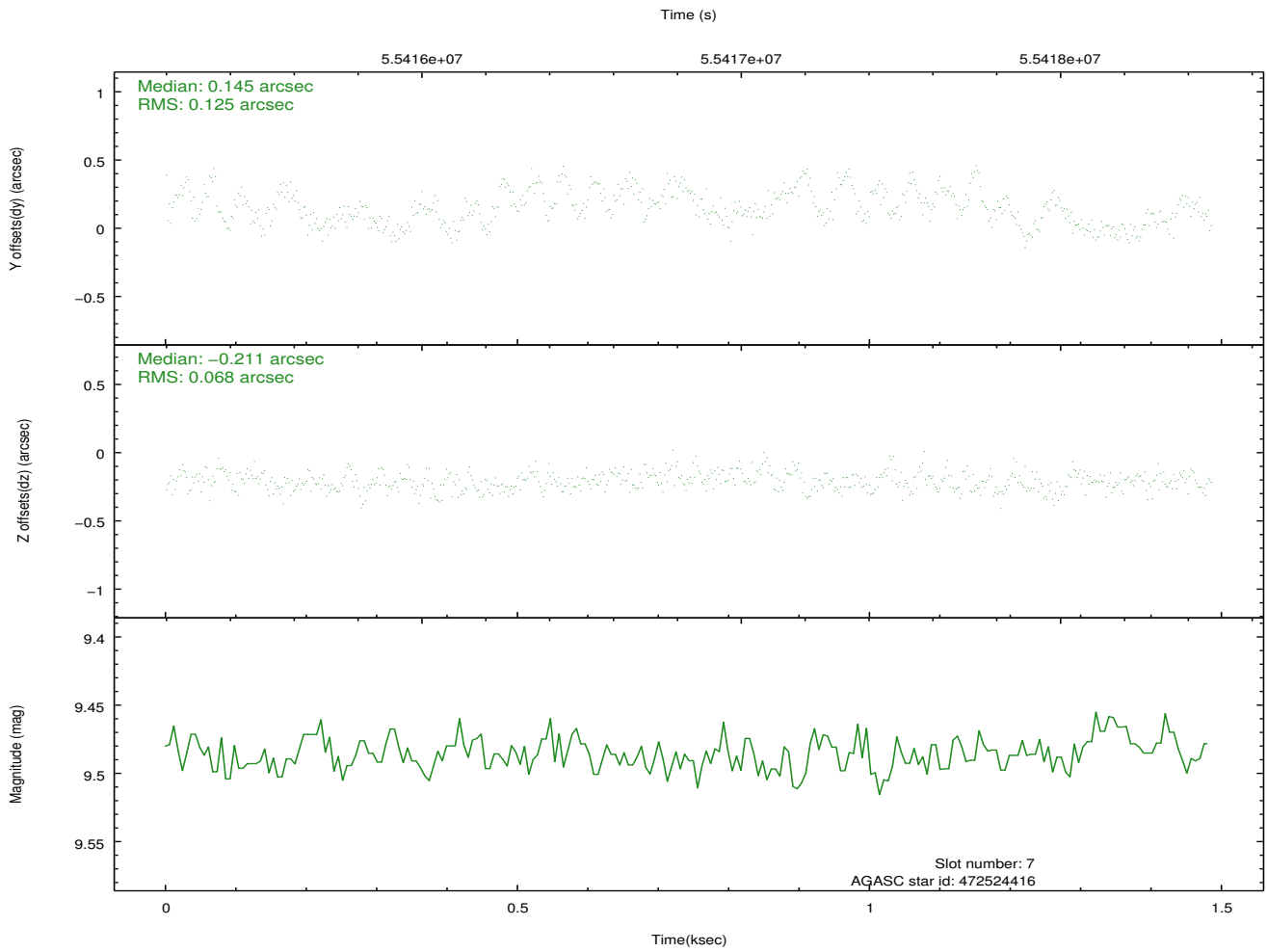
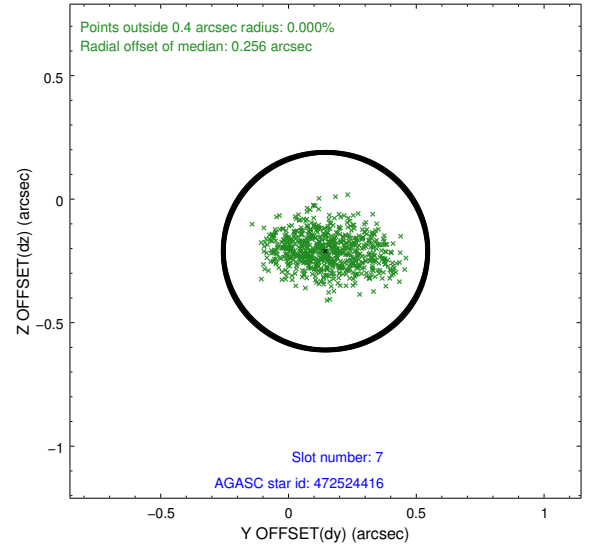
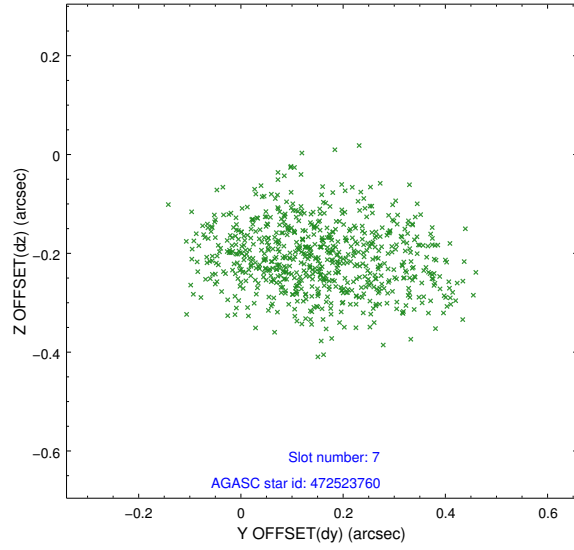
2.4.3 Slot 5



2.4.4 Slot 6

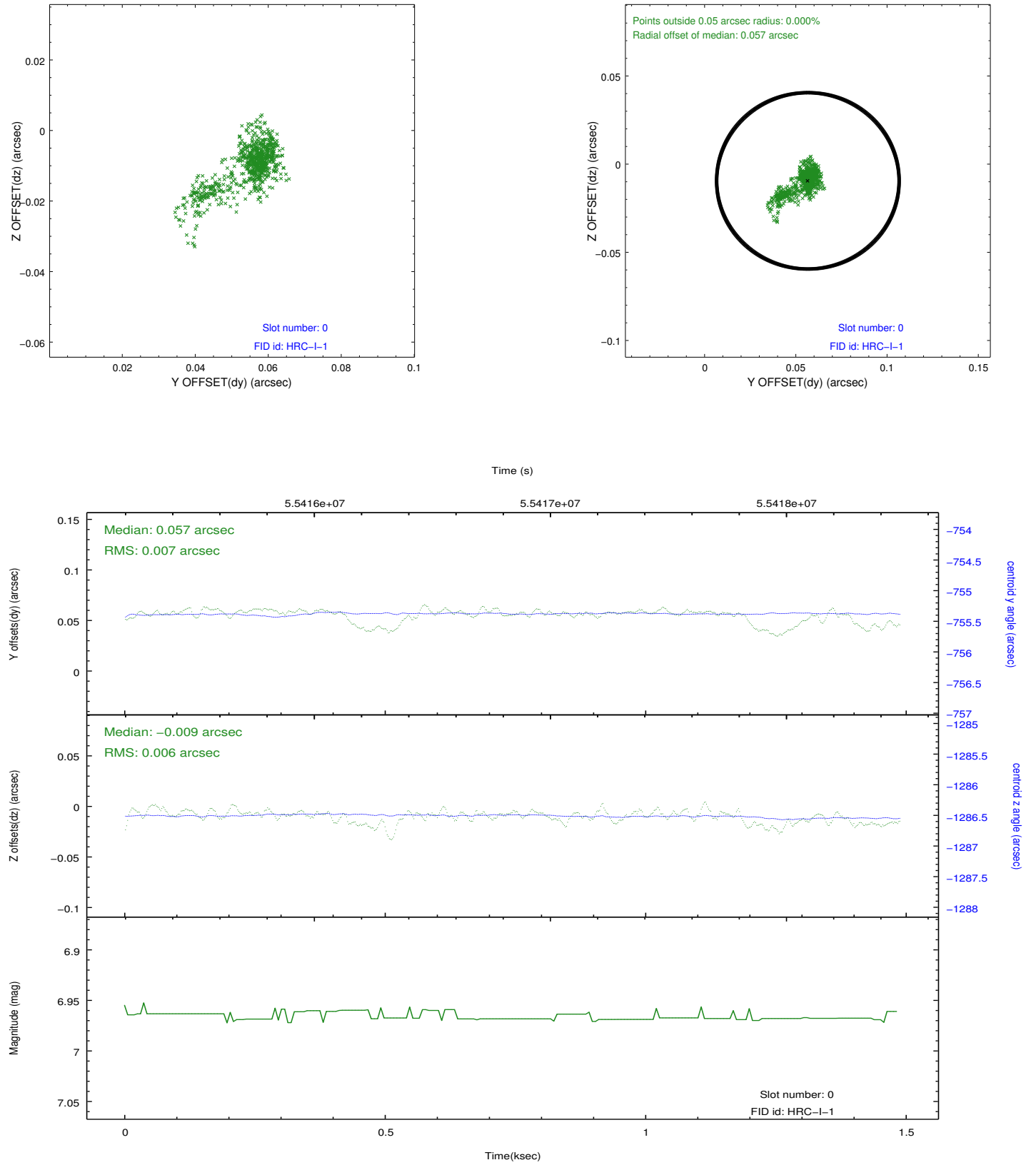


2.4.5 Slot 7

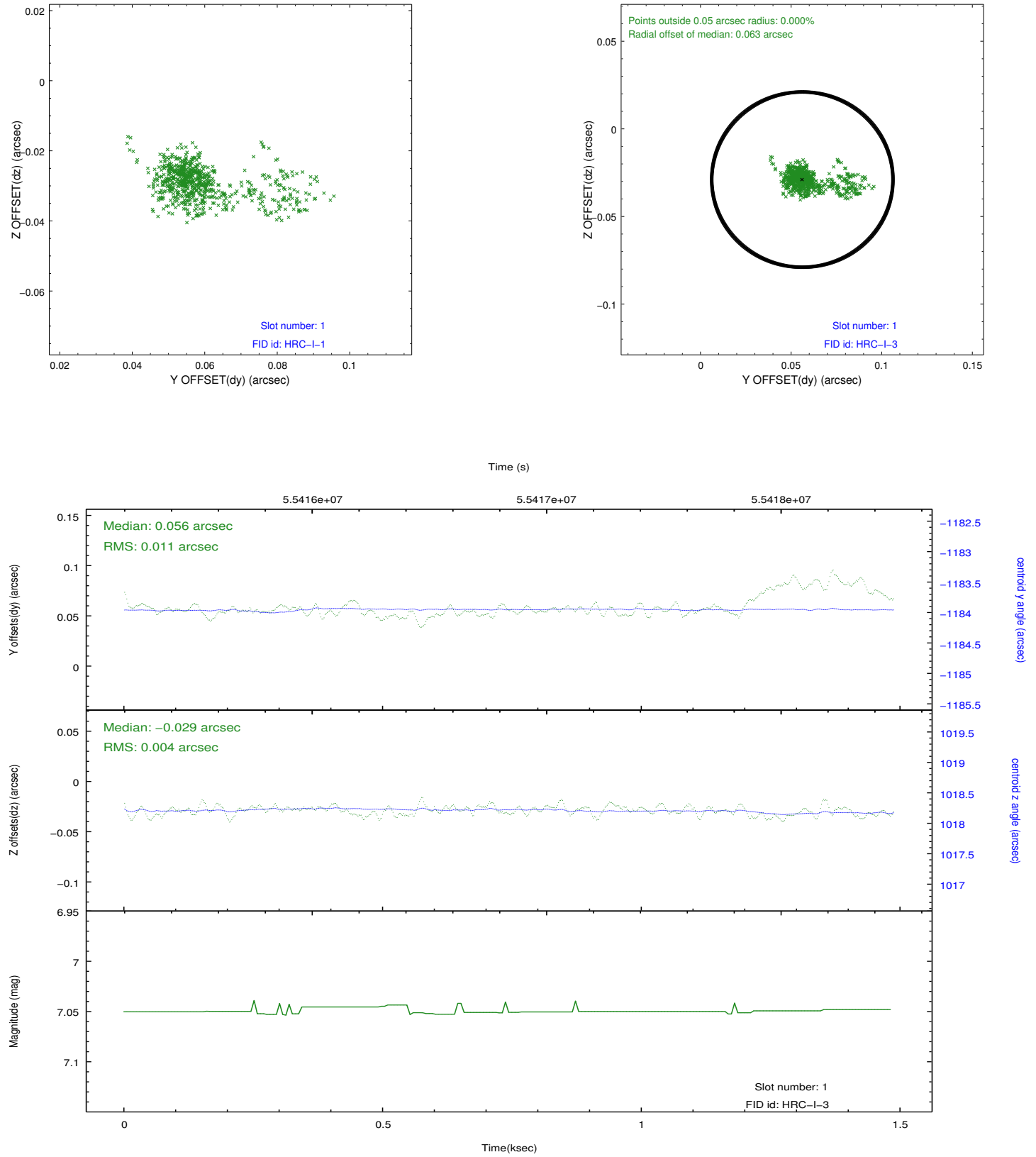


2.5 FID Slots

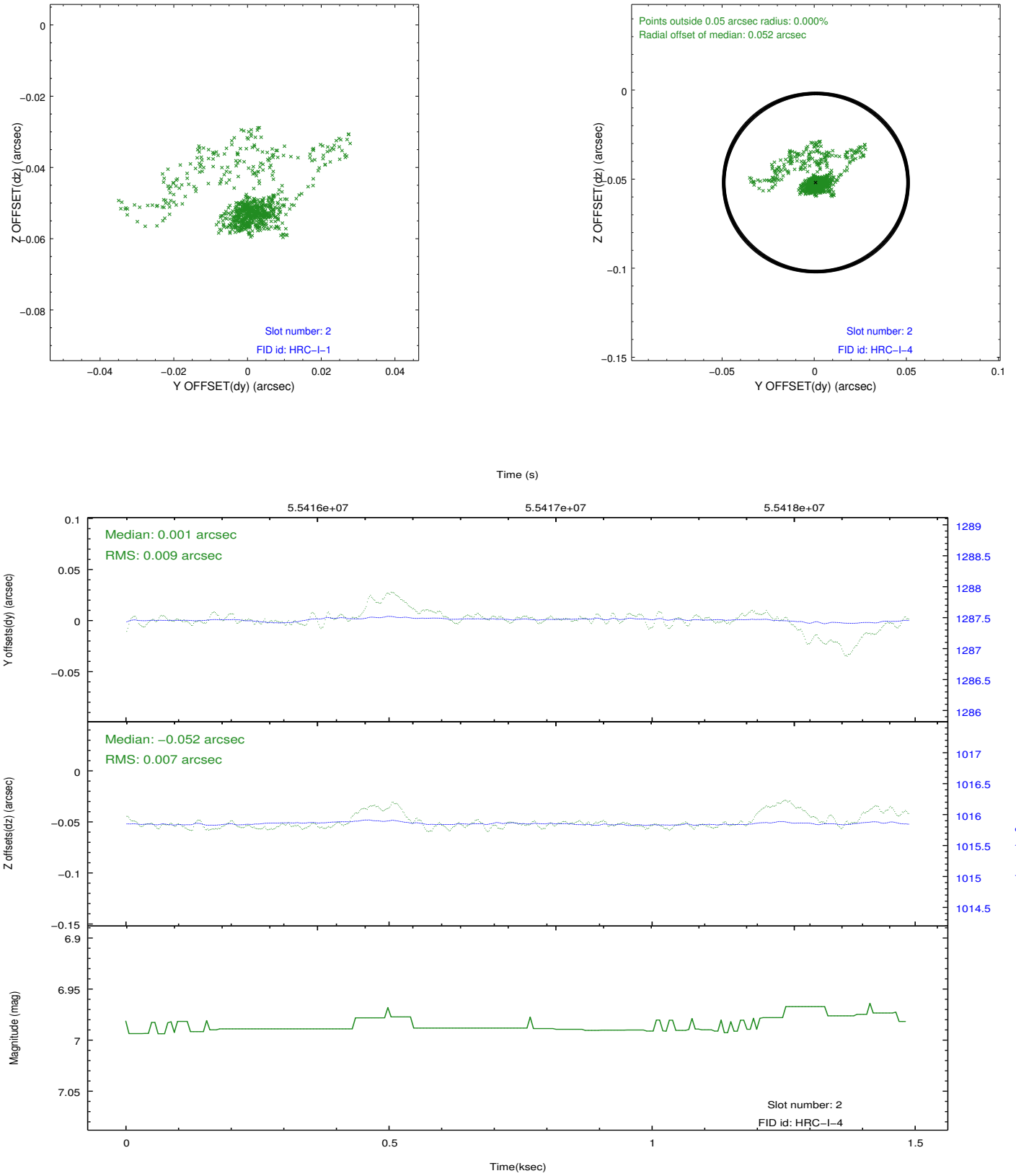
2.5.1 Slot 0



2.5.2 Slot 1

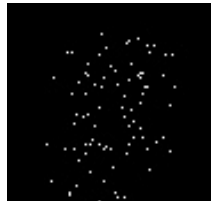


2.5.3 Slot 2



3 Point Sources

15.75 arcmin



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2009.11.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.276

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 guide star in slot 4 was automatically removed from the aspect solution due to poor data tracking. The aspect solution is not expected to be degraded by removing one fid light or guide star from the solution.