

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 1358 - L2 Version 4

Chandra X-Ray Center

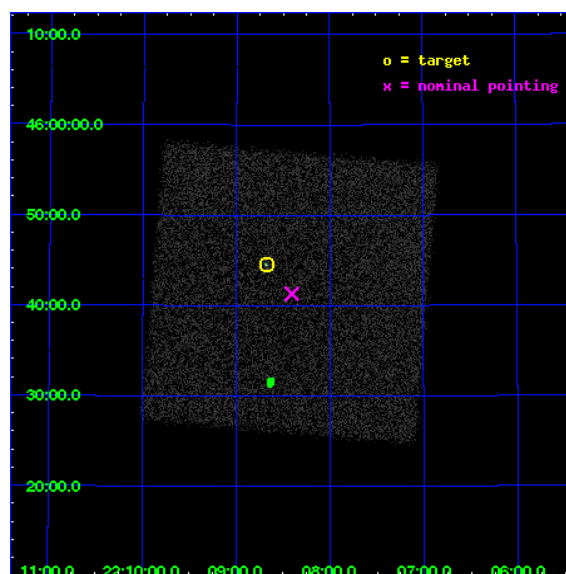
L2 Processing Date : Nov 19 2009

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1 Front

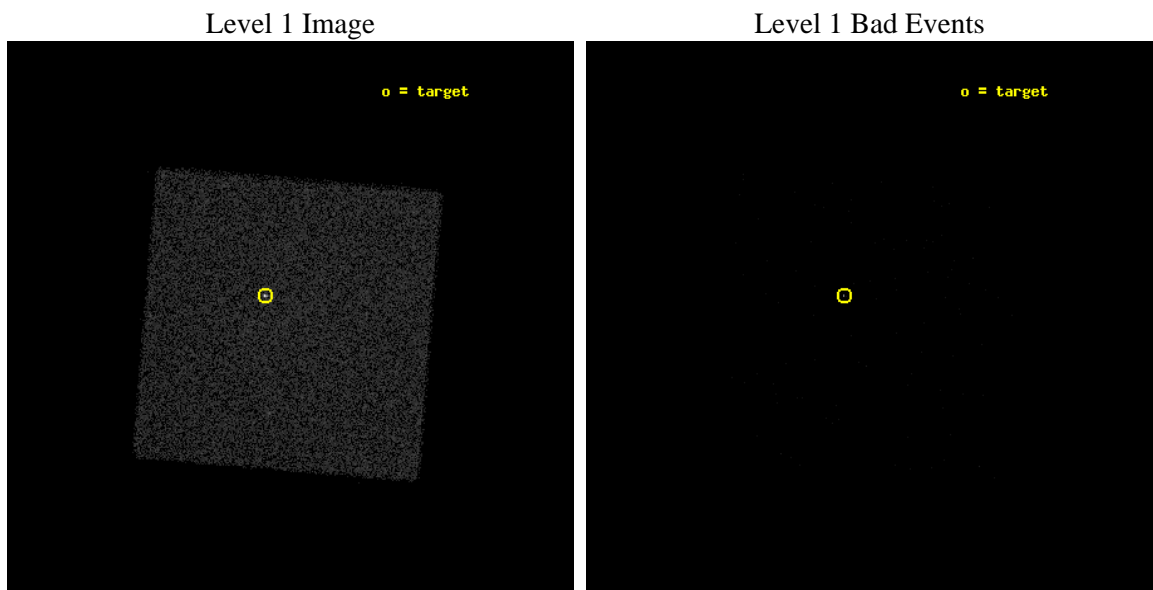
seq_num	280308	Sequence number
obs_id	1358	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.1701	Observer's specified target RA
dec_targ	45.7423	Observer's specified target Dec
ra_nom	332.10134577065	Nominal RA
dec_nom	45.688490672628	Nominal Dec
roll_nom	229.81225987785	Nominal Roll
revision	4	Processing version of data
ontime	1261.0062954277	[s]
livetime	1252.011377275	Ontime multiplied by DTCOR
l2events	39772	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	1261.0062954277	[s]
caldbver	4.1.4	 	l1events	69925	Number of level 1 events
date	2009-11-19T05:19:30	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

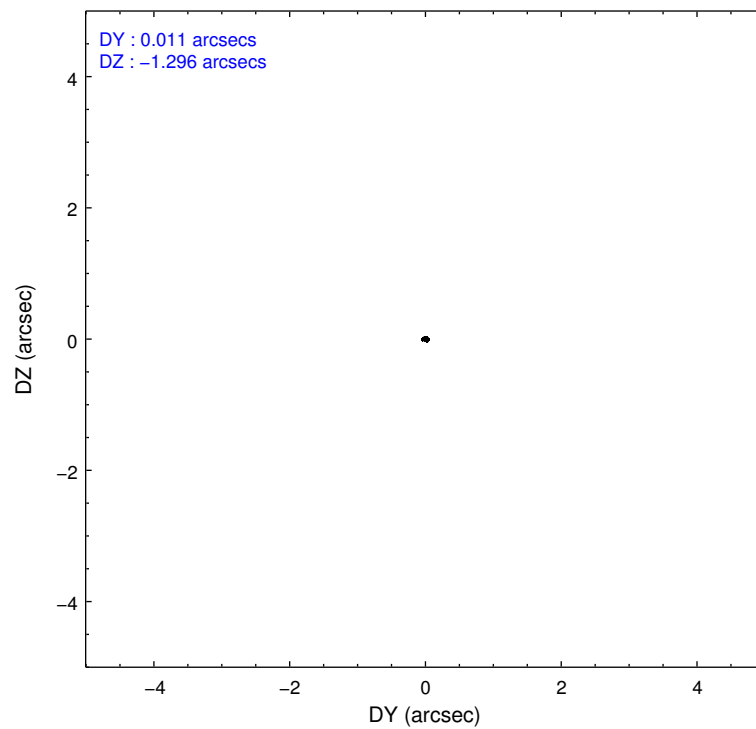
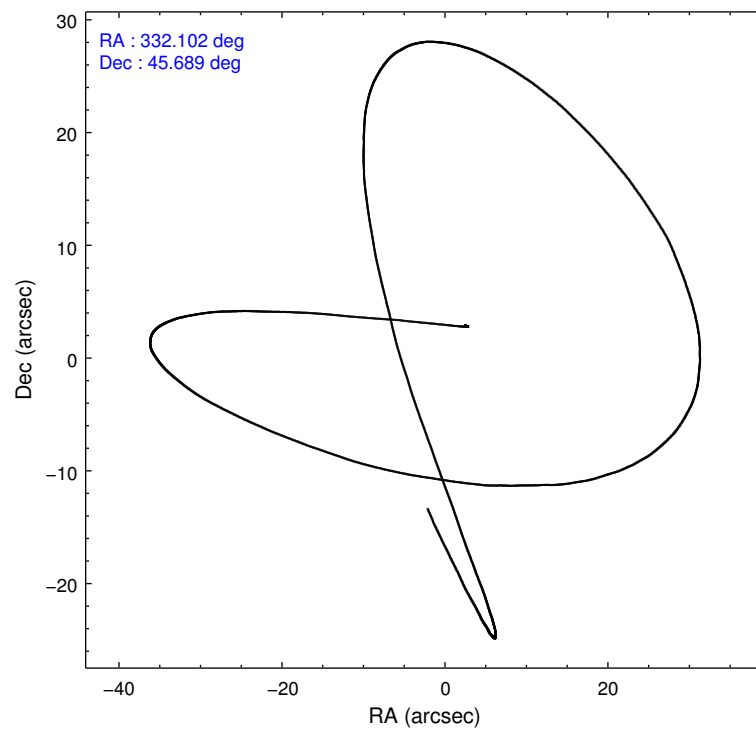
Level 1 Events

	segment 0
level 1 events	69925
rejected events	3204
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	332.109234	332.1013457706455			
Pointing Dec	45.716199	45.68849067262806			
Pointing Roll	229.902083	229.8122598778478			
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	55414864.184000	55414197.521243			
Observation start date	1999-10-04T09:00:00	1999-10-04T08:49:57			
Observation end time	55415864.184000	55415997.421308			
Observation end date	1999-10-04T09:16:40	1999-10-04T09:19:57			

2.3 Aspect

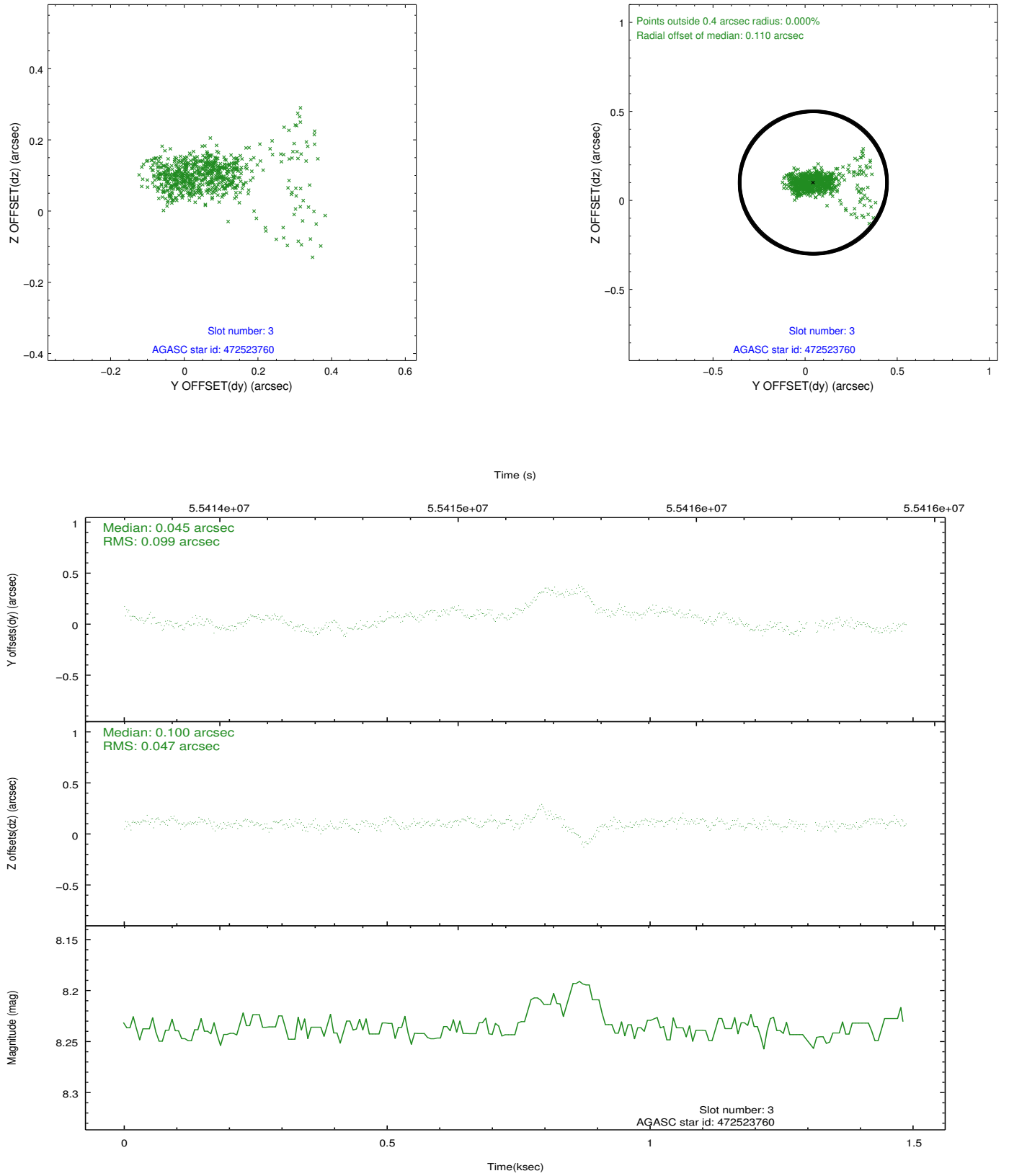


Slot Statistics

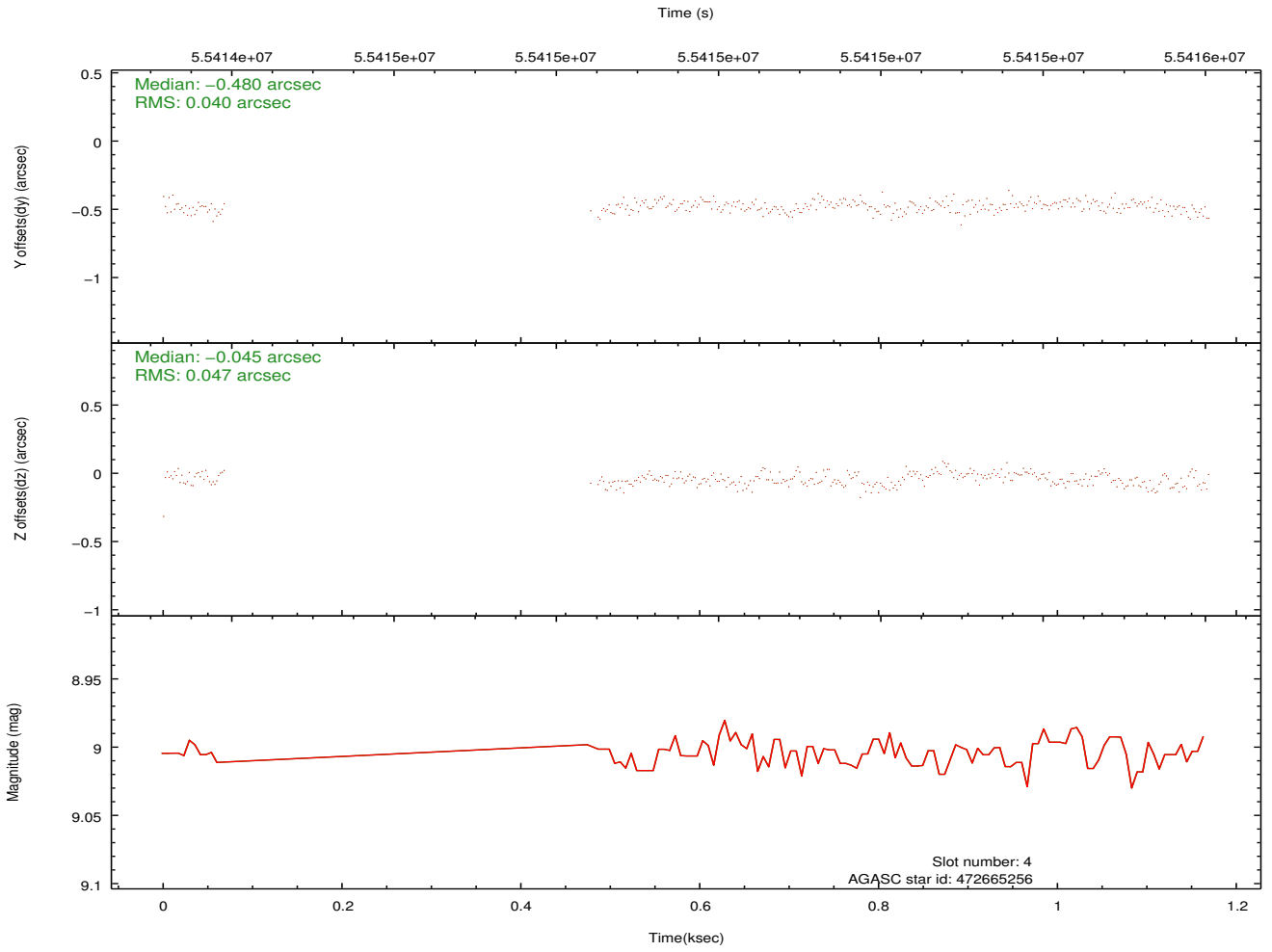
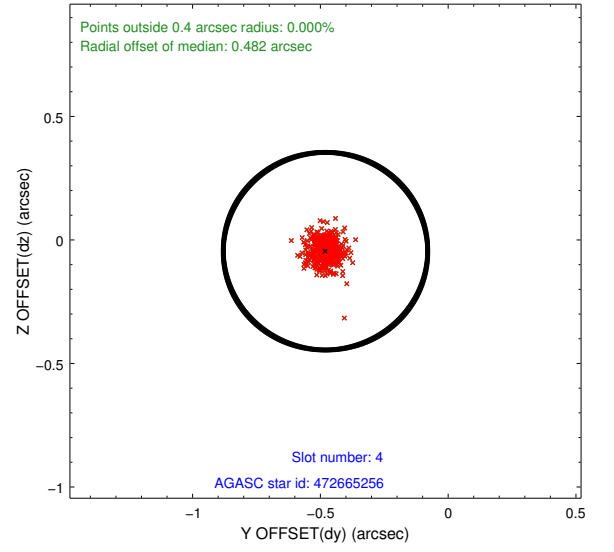
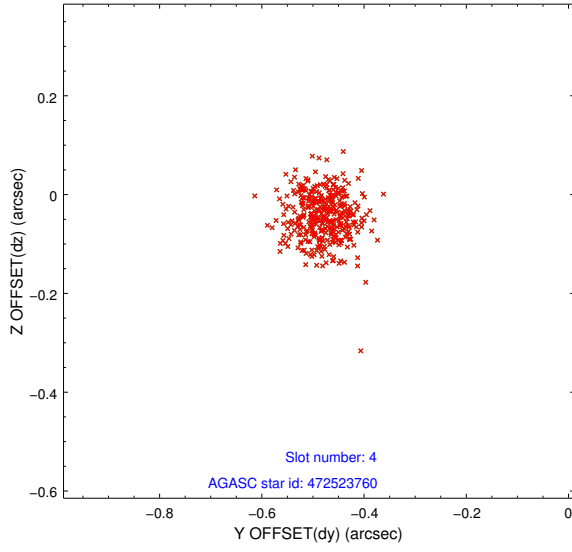
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	719	0.057	-0.009	0.008	0.019	0.000000	0.000000	-755.38	-1286.50
1	FID	HRC-I-3	7.05	719	0.056	-0.030	0.008	0.031	0.000000	0.000000	-1185.01	1016.43
2	FID	HRC-I-4	6.99	719	0.001	-0.052	0.007	0.027	0.000000	0.000000	1285.81	1017.27
3	GUIDE	472523760	8.24	719	0.045	0.100	0.091	0.269	331.645363	45.403260	1611.12	-172.77
4	BAD	472665256	9.00	369	-0.480	-0.045	0.064	0.102	332.808125	46.195041	-2433.42	217.96
5	GUIDE	472659832	9.46	719	0.050	0.109	0.097	0.149	332.780399	46.098139	-2143.00	392.18
6	GUIDE	472654568	9.45	718	-0.025	0.023	0.113	0.195	332.194449	45.063576	1651.14	1680.14
7	GUIDE	472524416	9.49	718	0.161	-0.209	0.134	0.230	330.789917	45.626718	2364.19	-2348.12

2.4 Star Slots

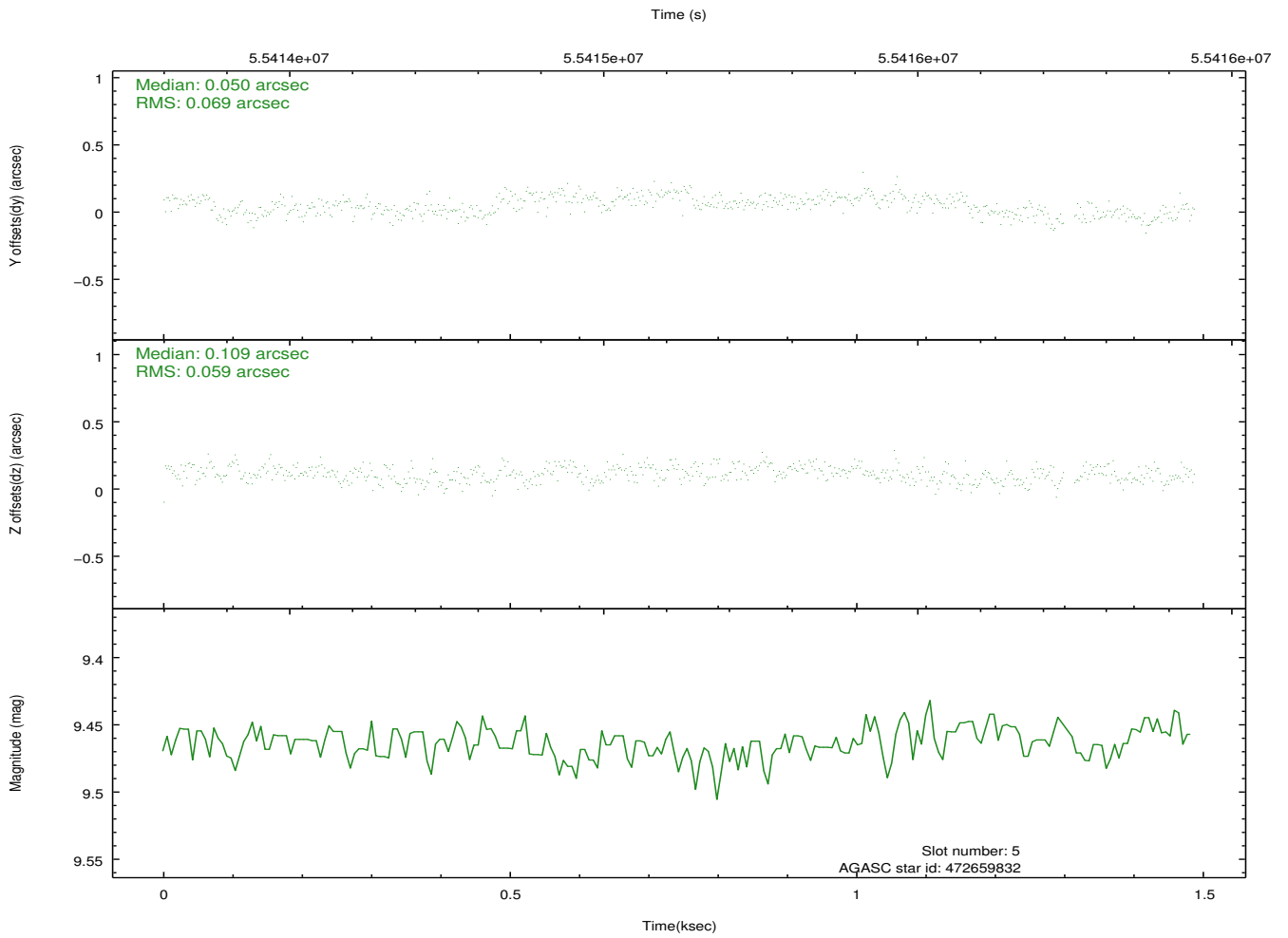
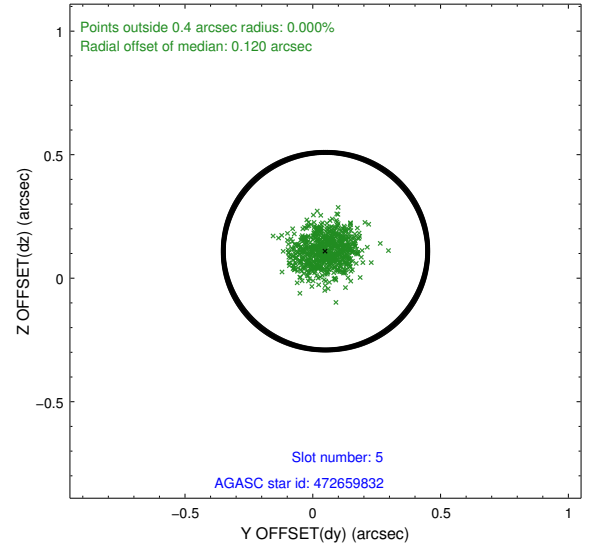
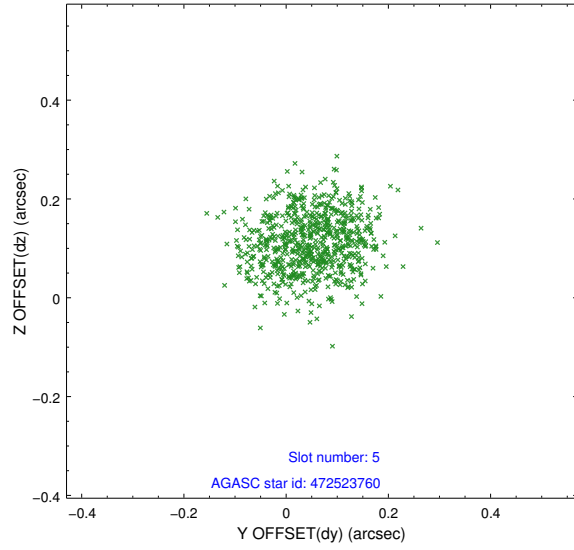
2.4.1 Slot 3



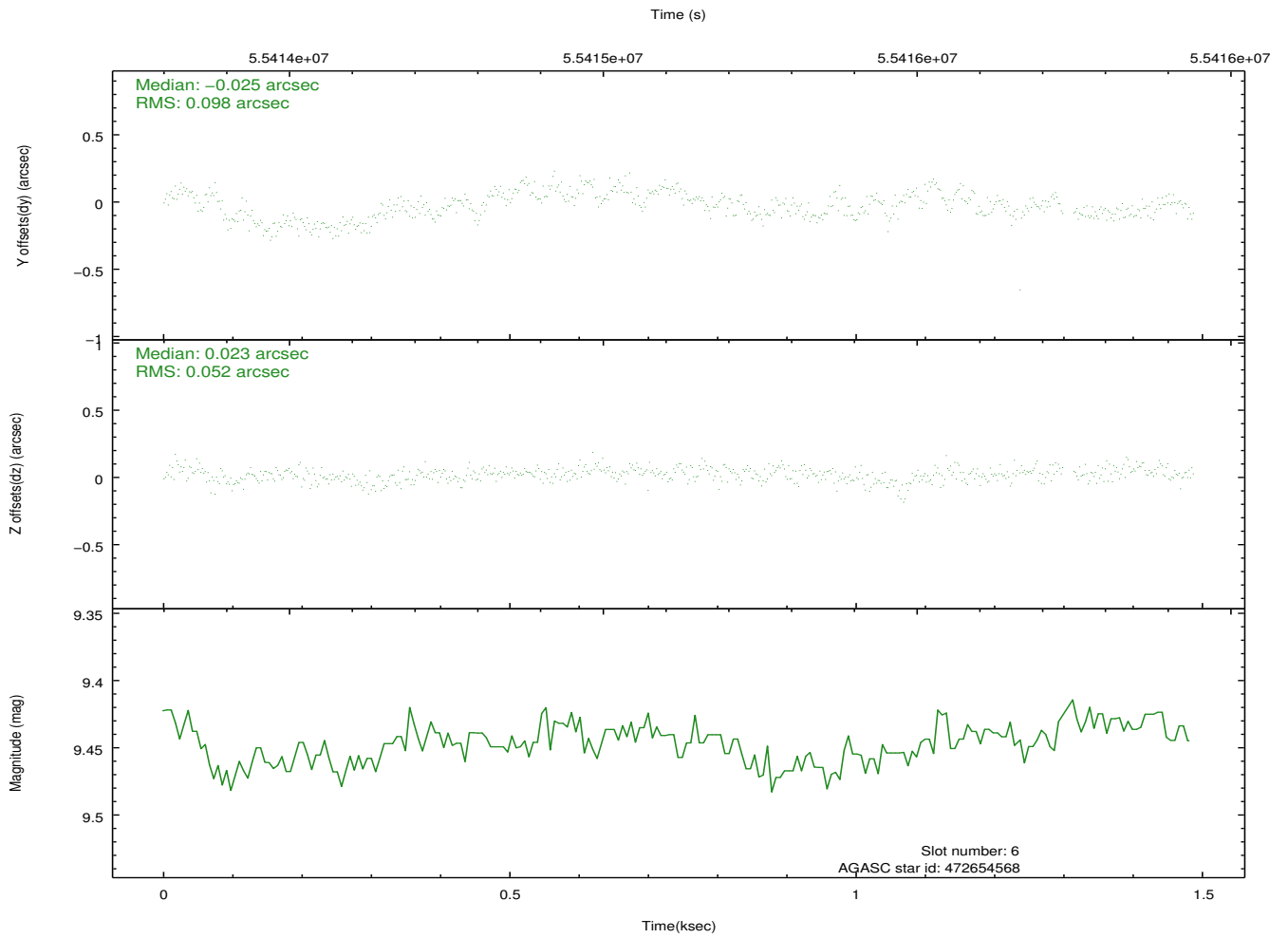
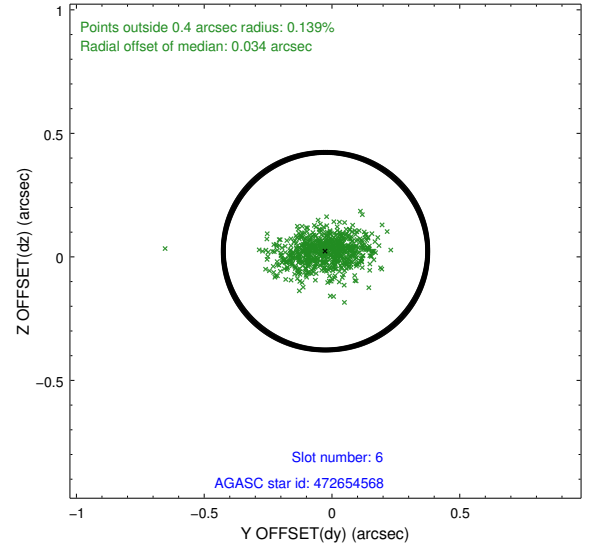
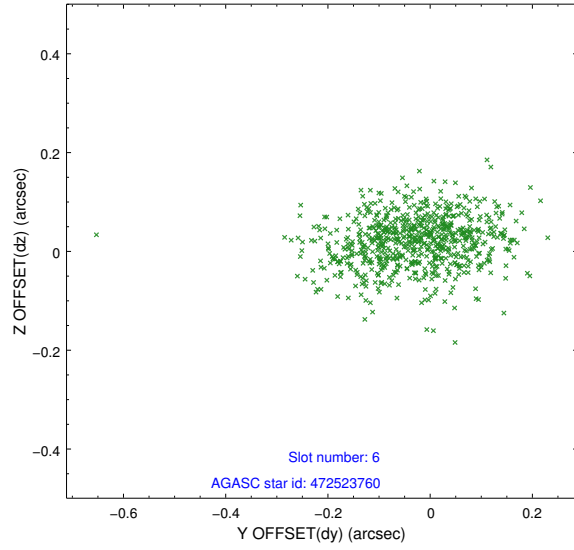
2.4.2 Slot 4



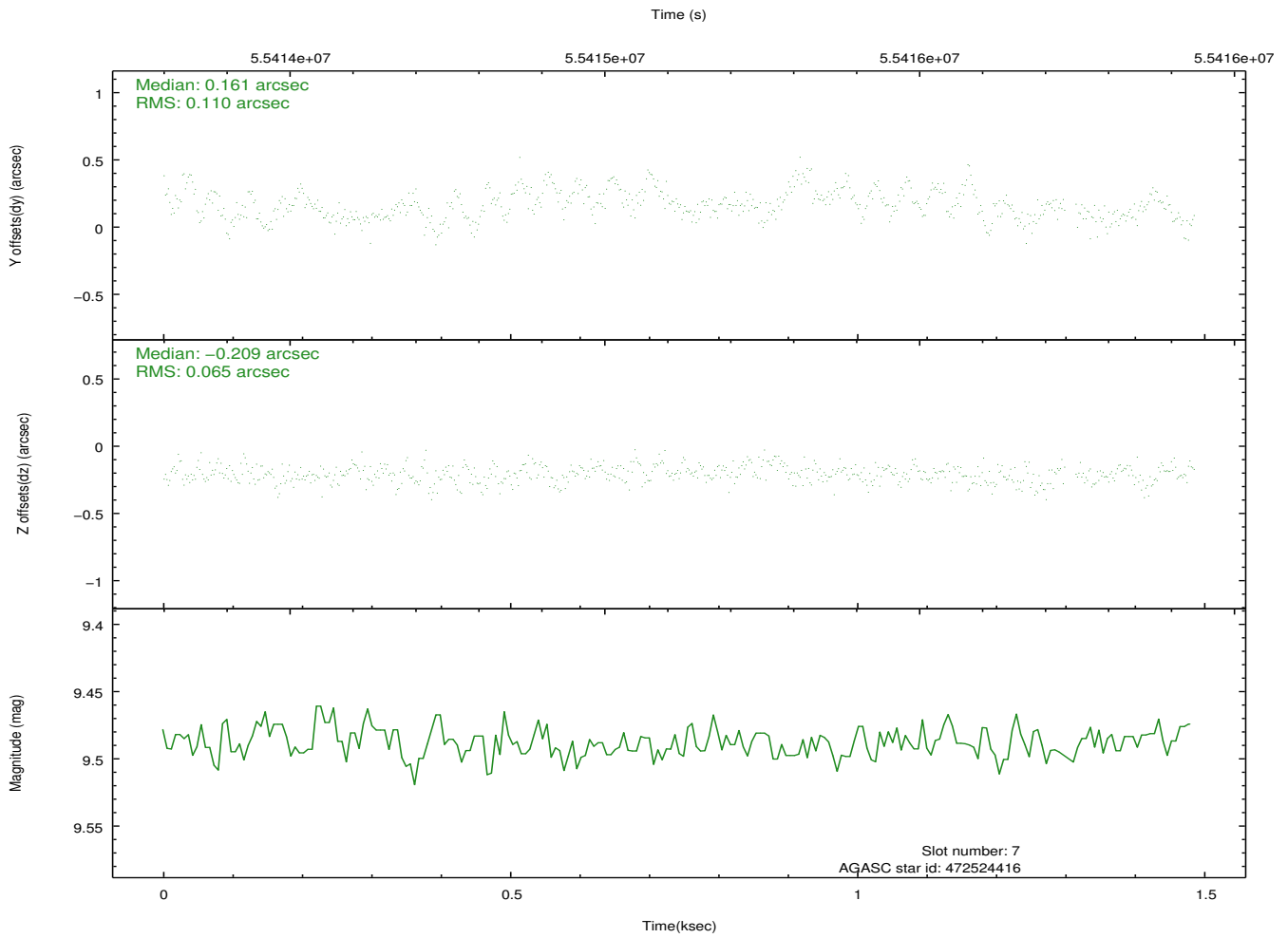
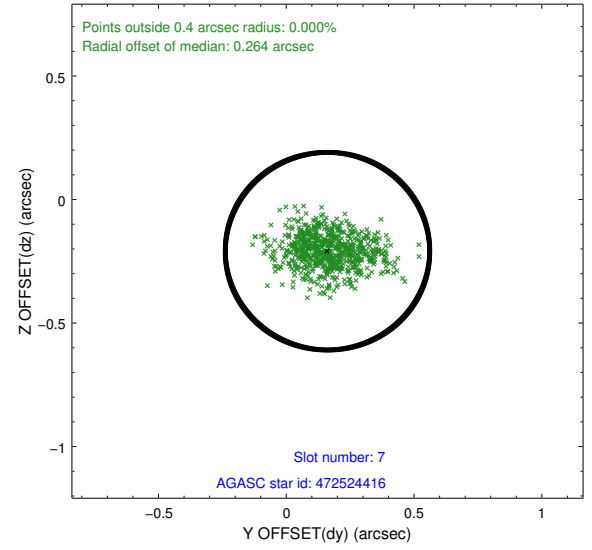
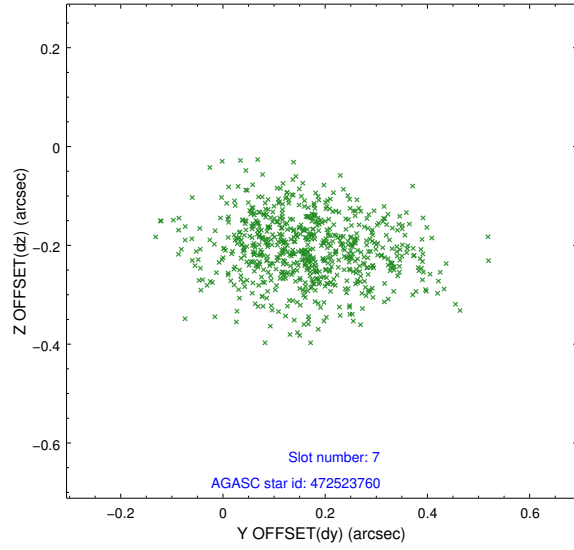
2.4.3 Slot 5



2.4.4 Slot 6

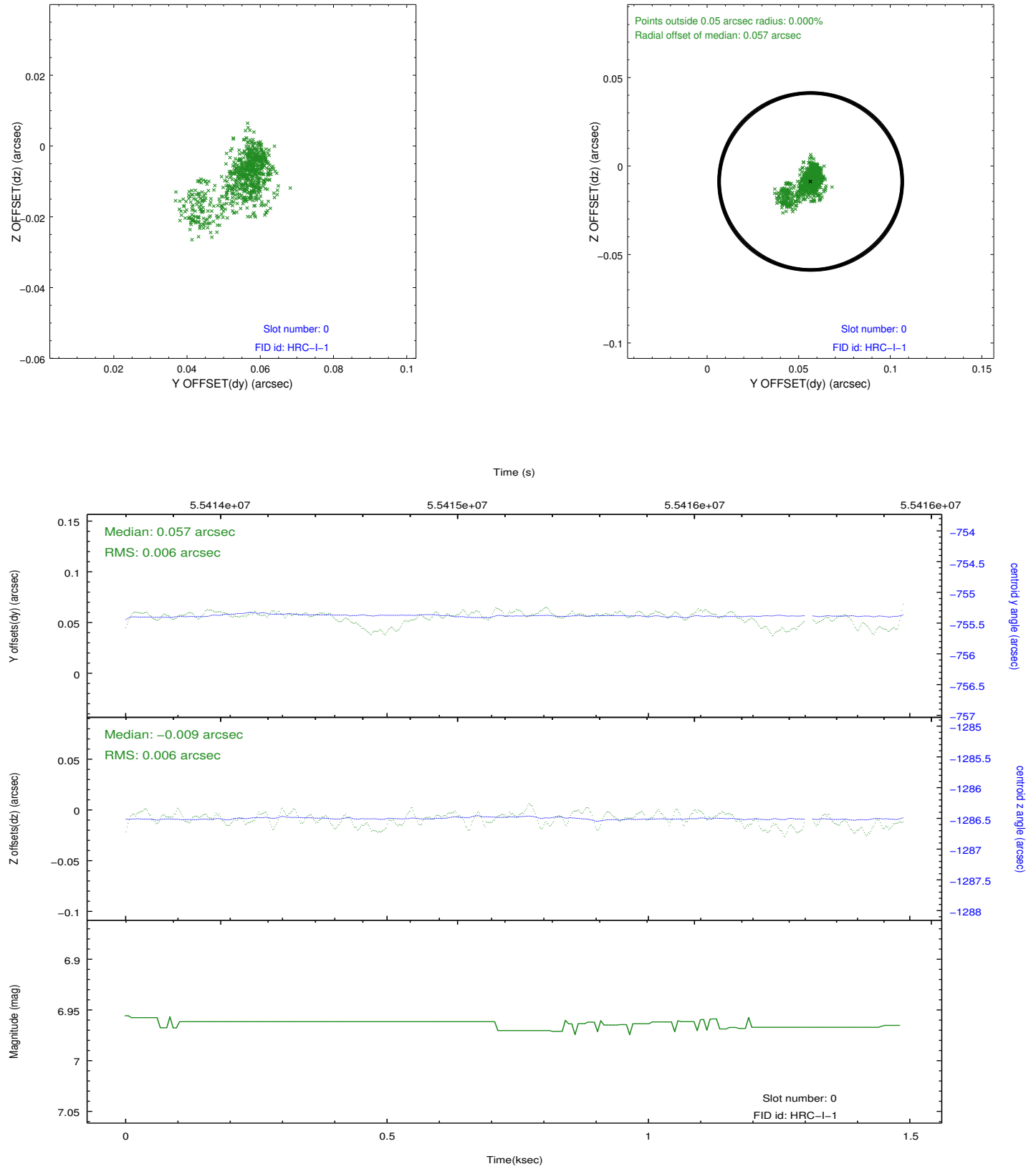


2.4.5 Slot 7

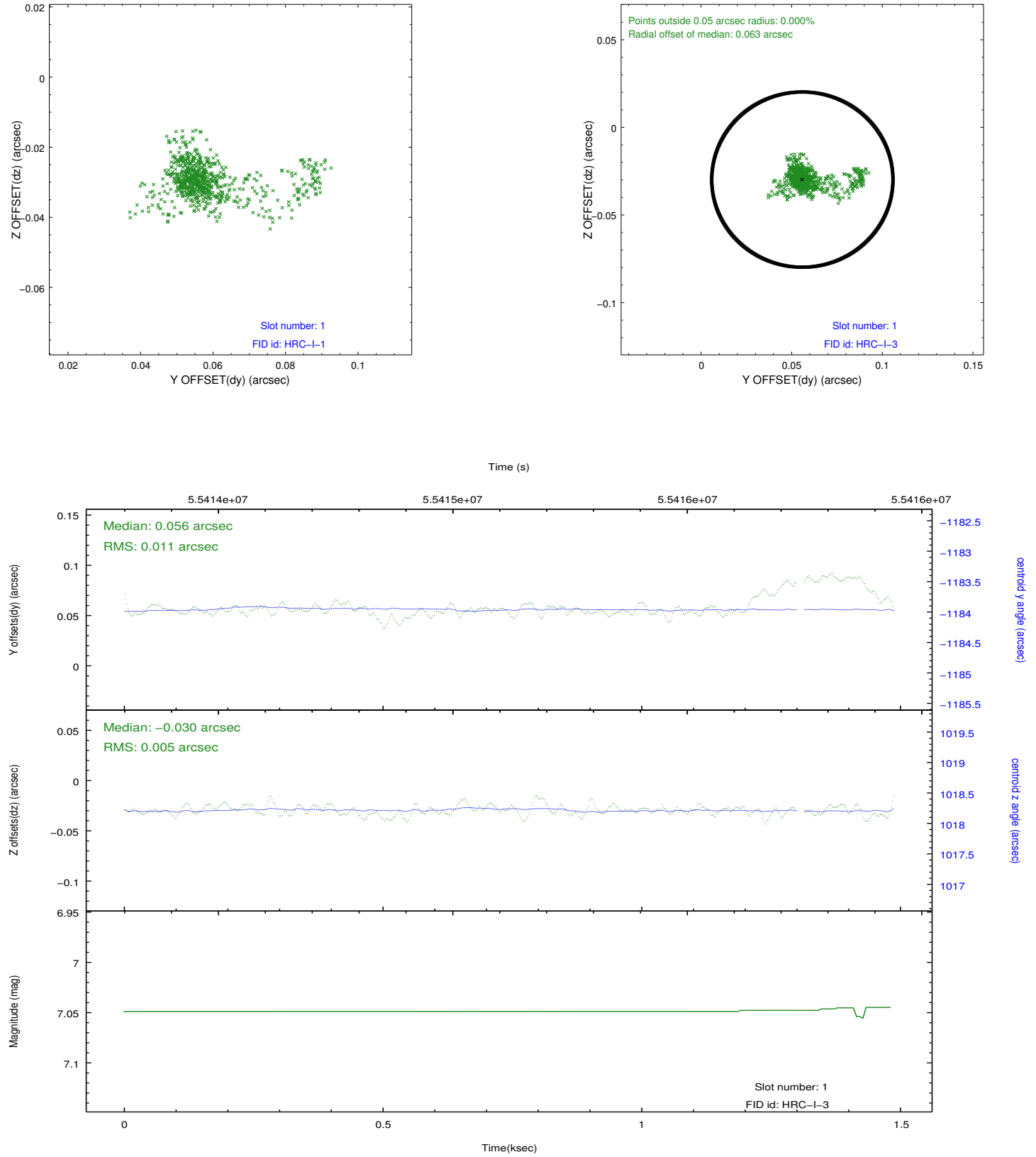


2.5 FID Slots

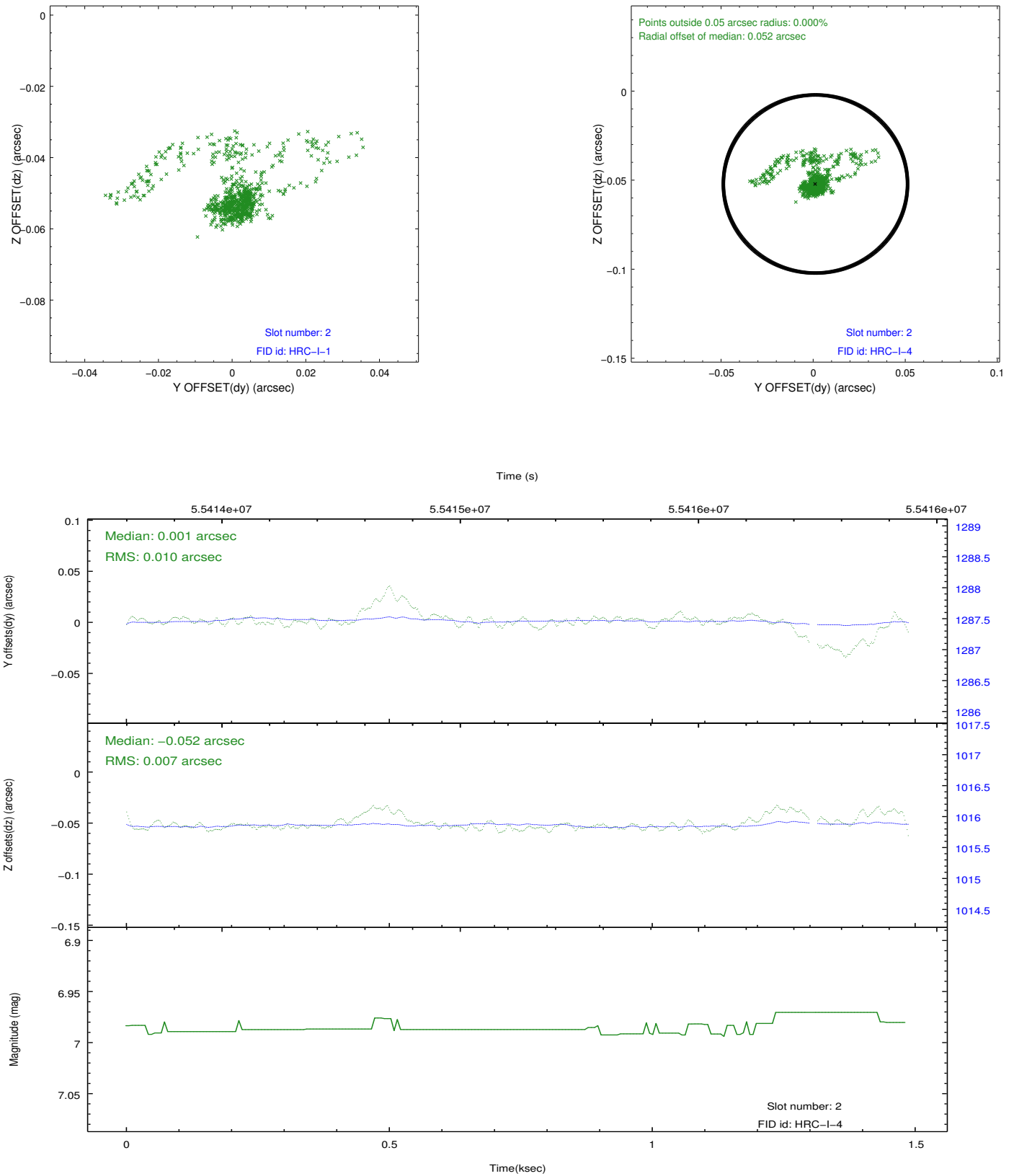
2.5.1 Slot 0



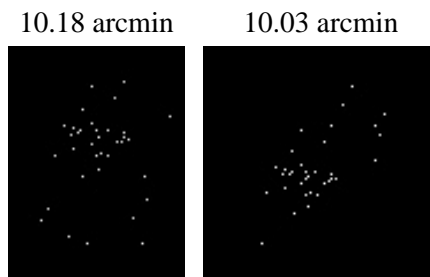
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



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	1.261

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).

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.