

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 1345 - L2 Version 4
Chandra X-Ray Center

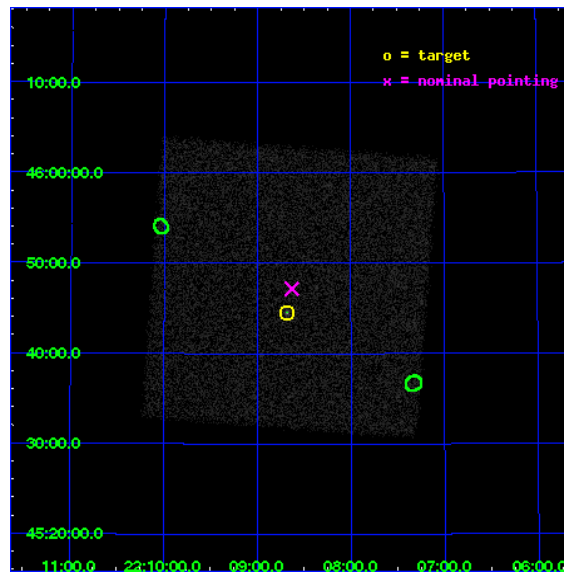
L2 Processing Date : Nov 19 2009

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1 Front

seq_num	280295	Sequence number
obs_id	1345	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	332.15760322337	Nominal RA
dec_nom	45.786444712291	Nominal Dec
roll_nom	229.3672042724	Nominal Roll
revision	4	Processing version of data
ontime	1274.3312959075	[s]
livetime	1265.5001929766	Ontime multiplied by DTCOR
l2events	43009	Number of level 2 events

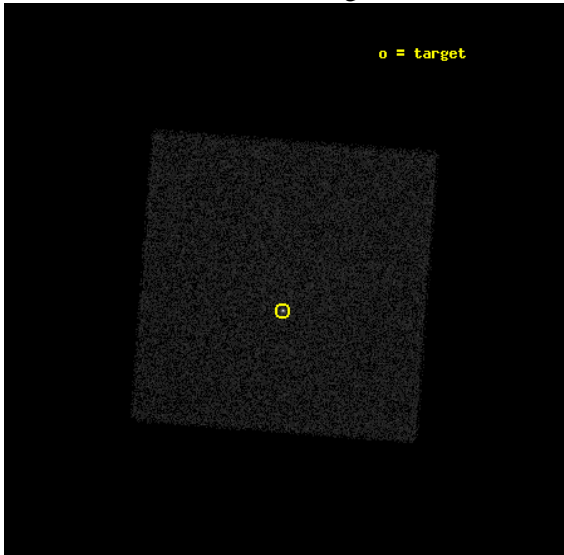


2 OBI

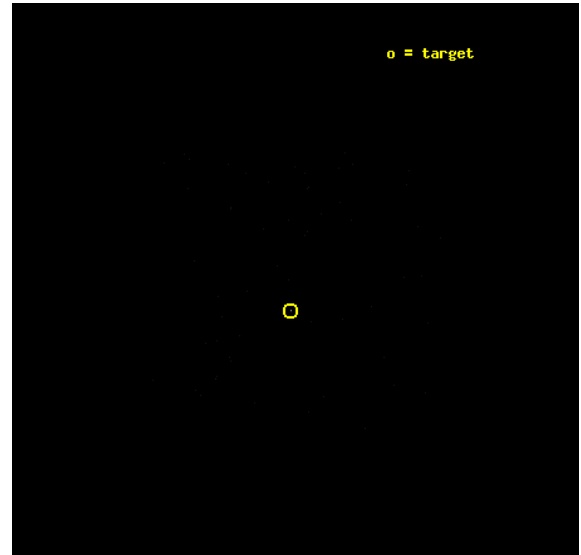
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



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	1274.3312959075	[s]
caldbver	4.1.4	 	l1events	68325	Number of level 1 events
date	2009-11-19T05:14:00	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

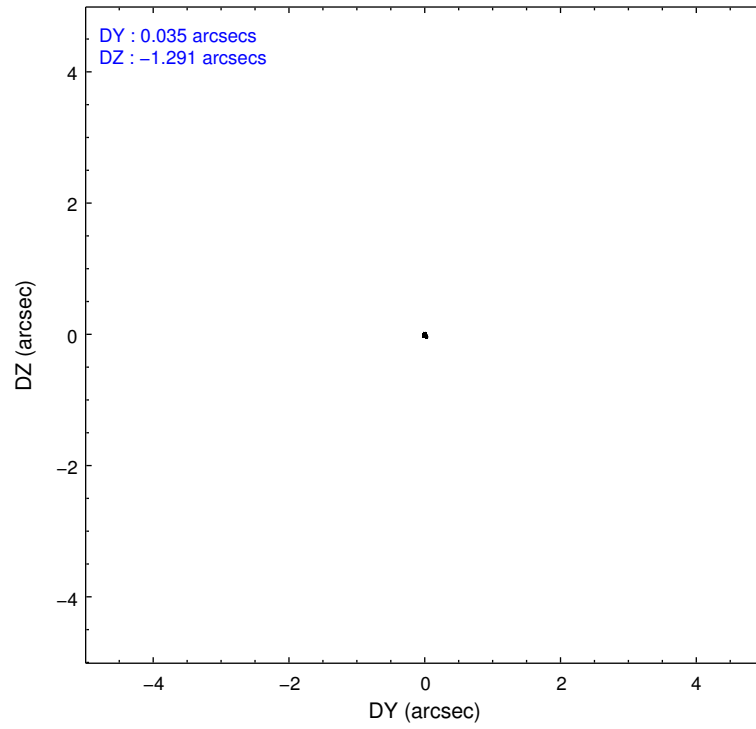
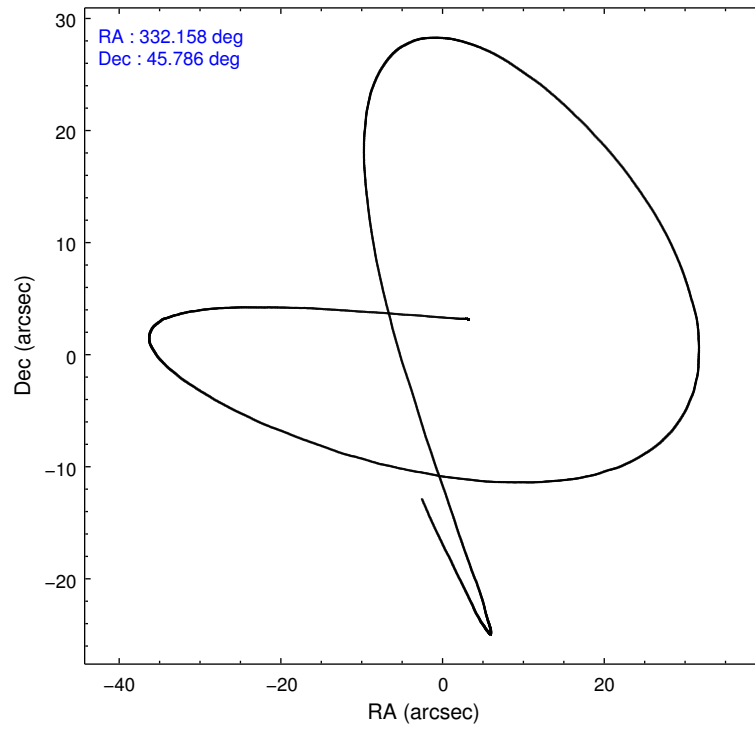
	segment 0
level 1 events	68325
rejected events	2666
rejected %	3%

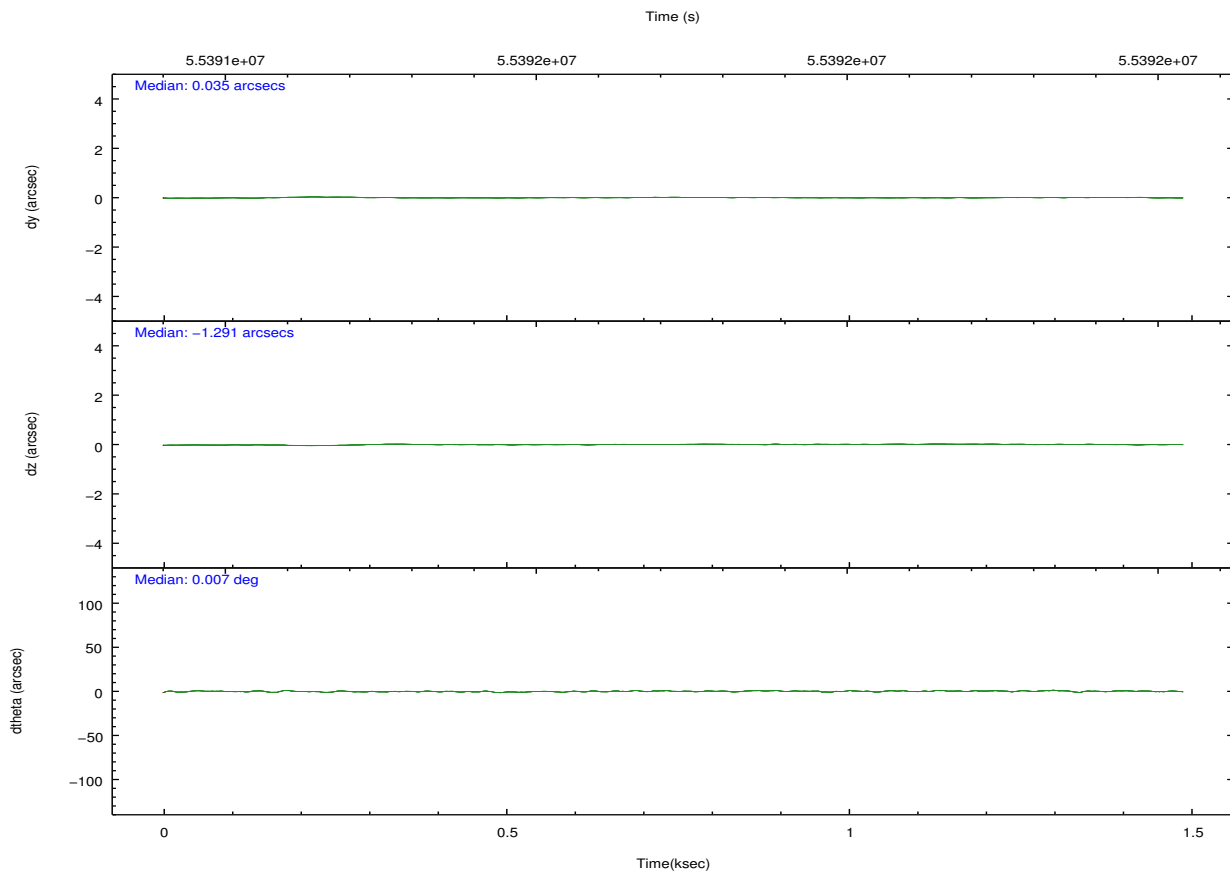
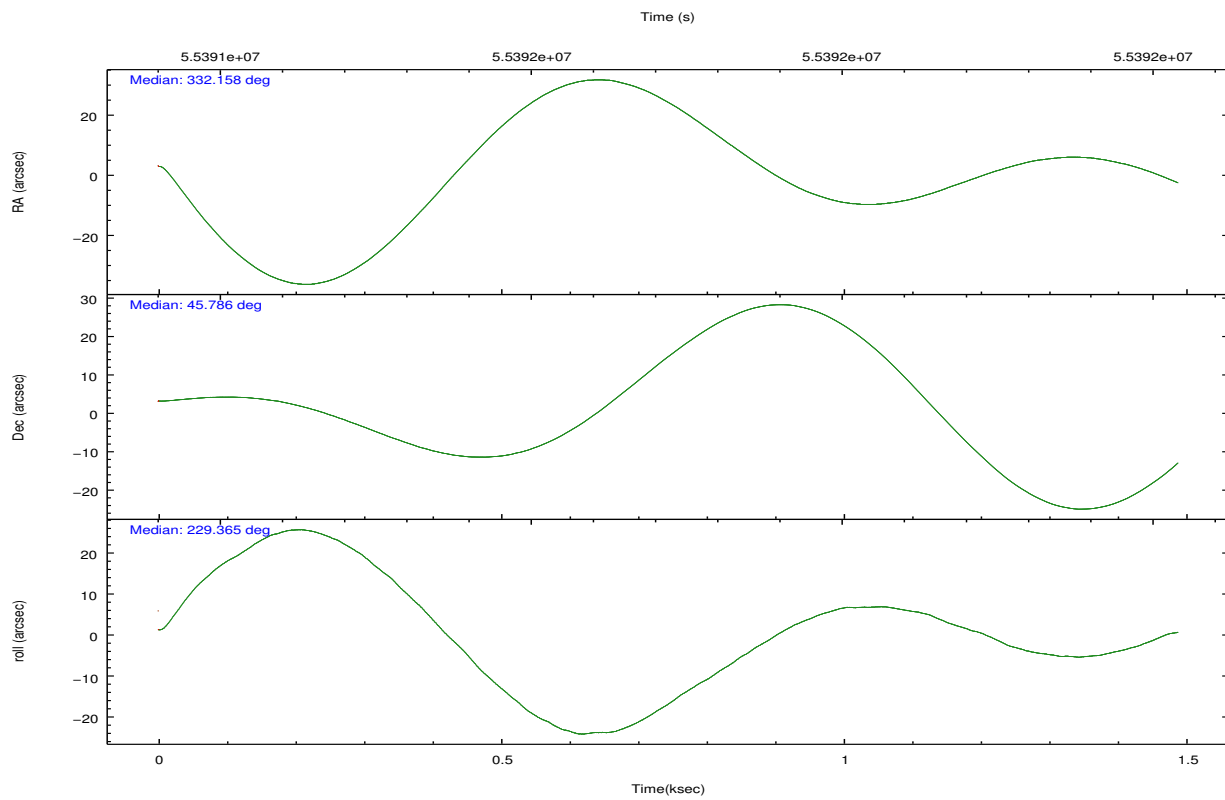
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	332.165806	332.1576032233716
Pointing Dec	45.814163	45.78644471229057
Pointing Roll	229.456780	229.3672042723971
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	55391464.184000	55390797.7954
Observation start date	1999-10-04T02:30:00	1999-10-04T02:19:57
Observation end time	55392464.184000	55392597.695465
Observation end date	1999-10-04T02:46:40	1999-10-04T02:49:57

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

2.3 Aspect



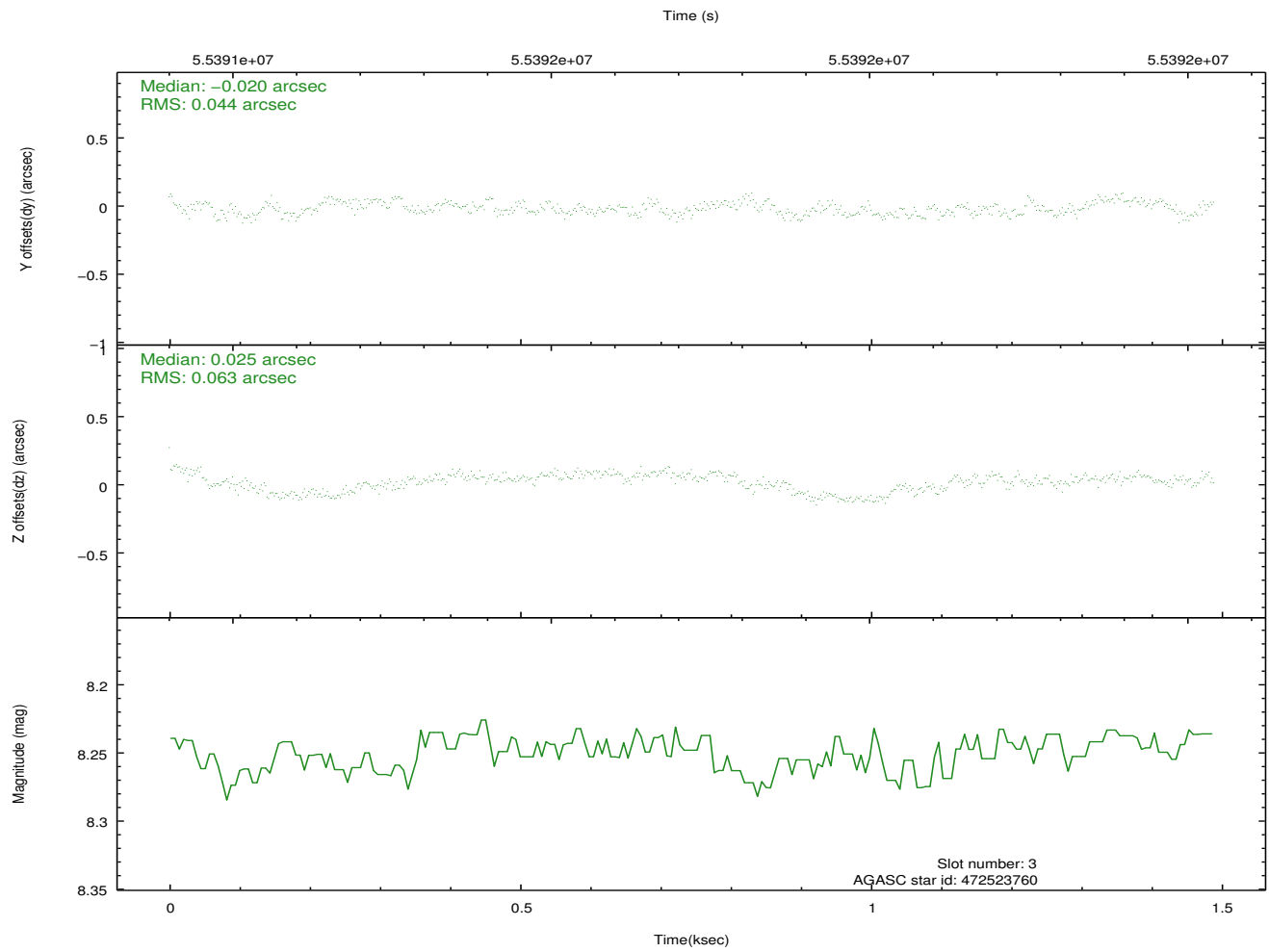
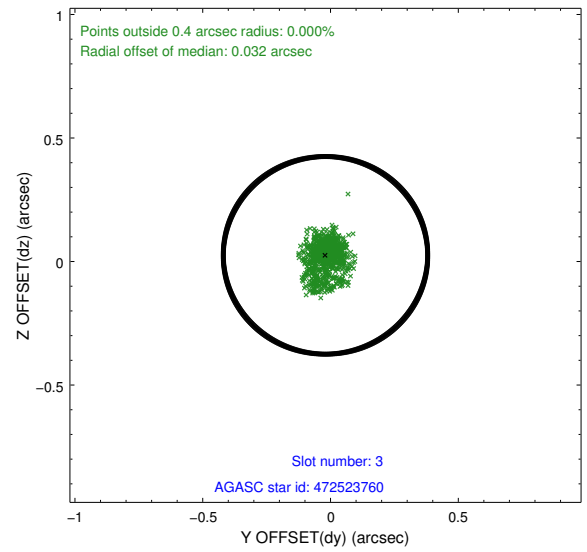
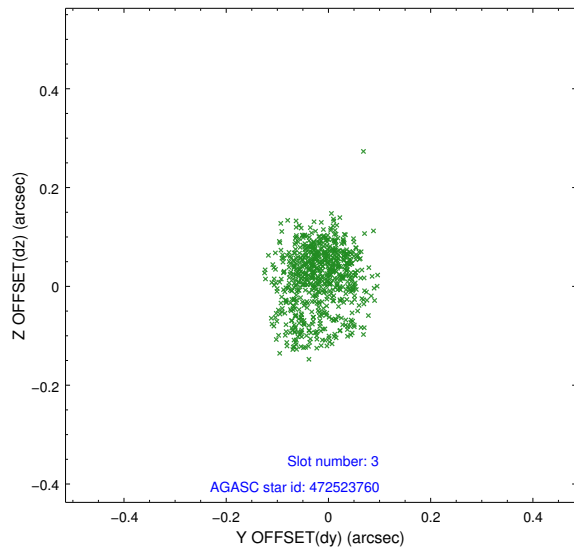


Slot Statistics

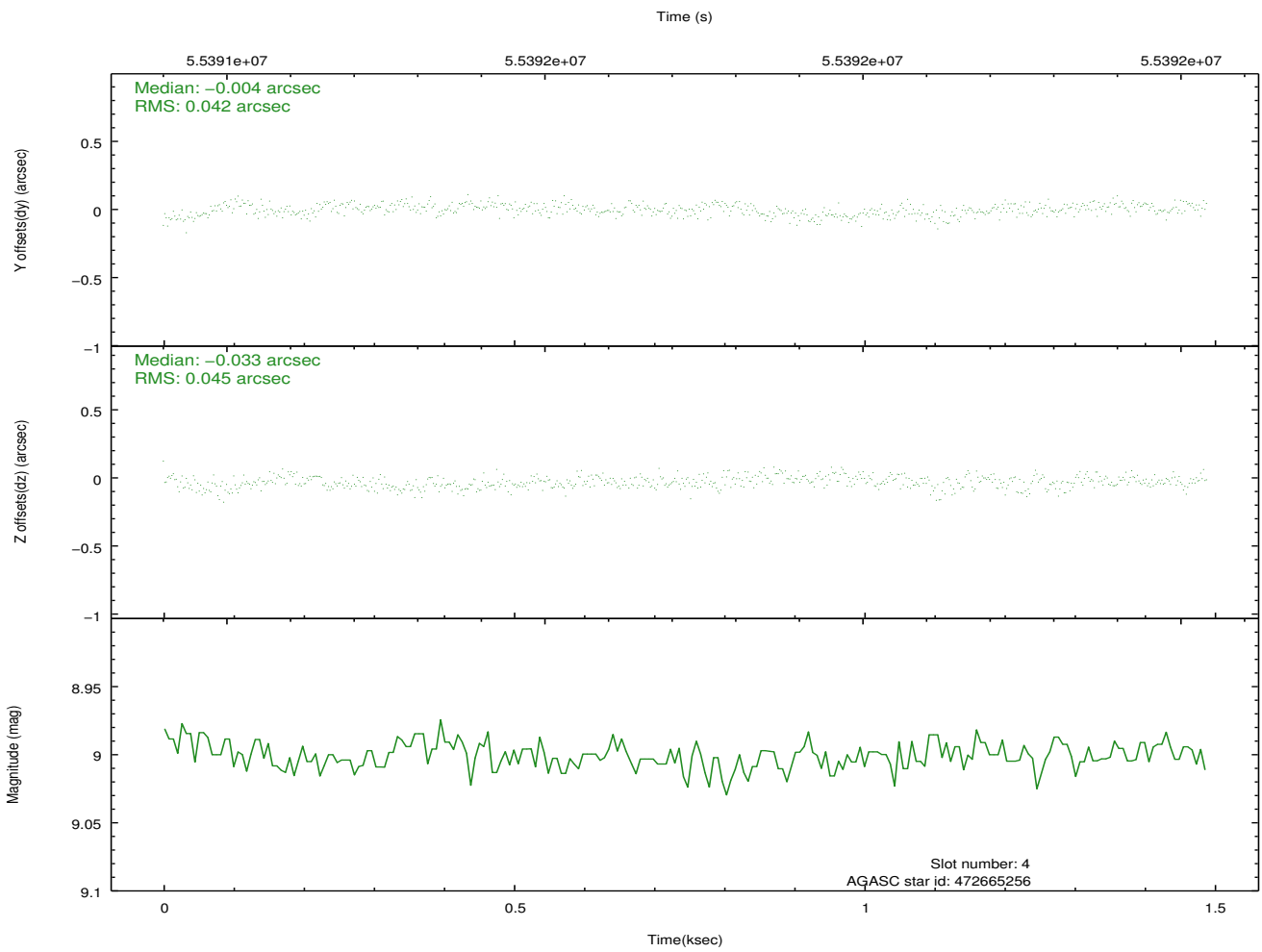
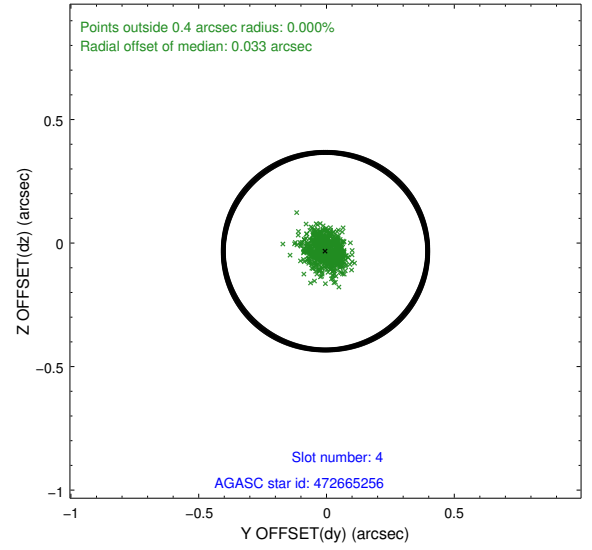
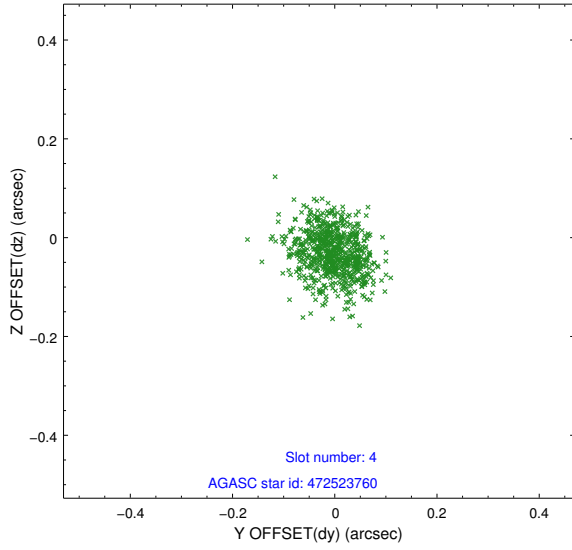
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	727	0.059	-0.003	0.006	0.010	0.000000	0.000000	-755.41	-1286.50
1	FID	HRC-I-3	7.04	727	0.057	-0.032	0.007	0.012	0.000000	0.000000	-1185.02	1016.45
2	FID	HRC-I-4	6.98	727	-0.002	-0.055	0.005	0.010	0.000000	0.000000	1285.80	1017.25
3	GUIDE	472523760	8.25	727	-0.020	0.025	0.081	0.134	331.645363	45.403260	1972.51	-40.71
4	GUIDE	472665256	9.00	726	-0.004	-0.033	0.066	0.105	332.808125	46.195041	-2088.04	320.80
5	GUIDE	472659832	9.46	727	-0.018	0.060	0.085	0.137	332.780399	46.098139	-1784.97	498.03
6	GUIDE	472655152	9.43	726	0.025	0.016	0.083	0.138	332.504239	45.862991	-692.34	530.04
7	GUIDE	472646552	9.64	726	-0.000	-0.061	0.132	0.205	333.120915	45.571877	-917.10	2387.39

2.4 Star Slots

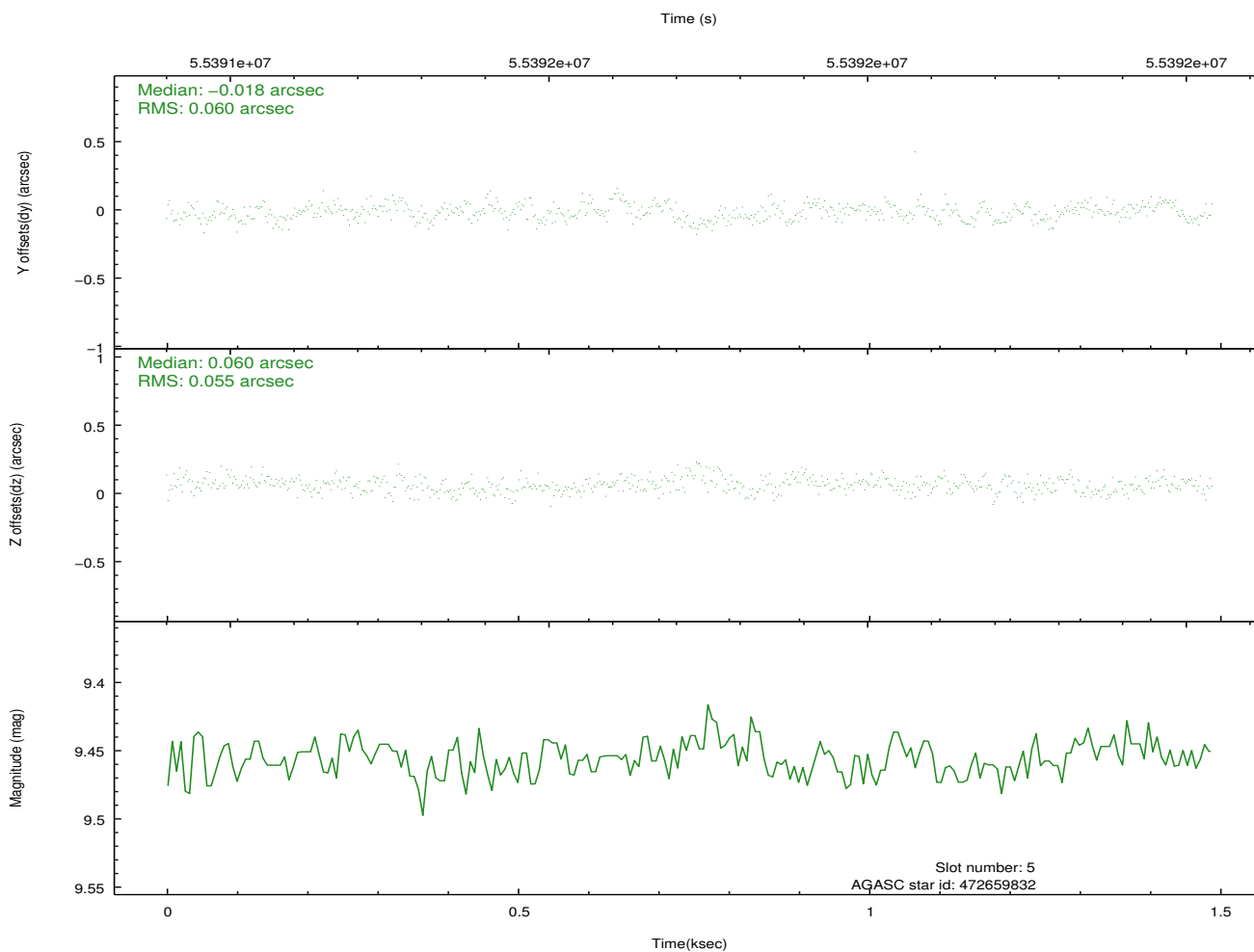
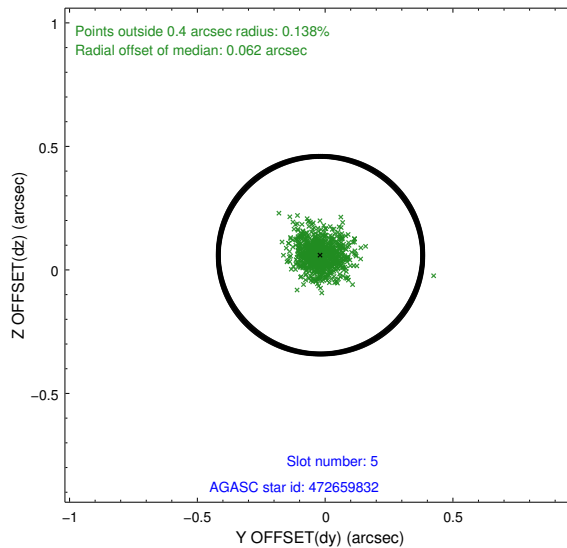
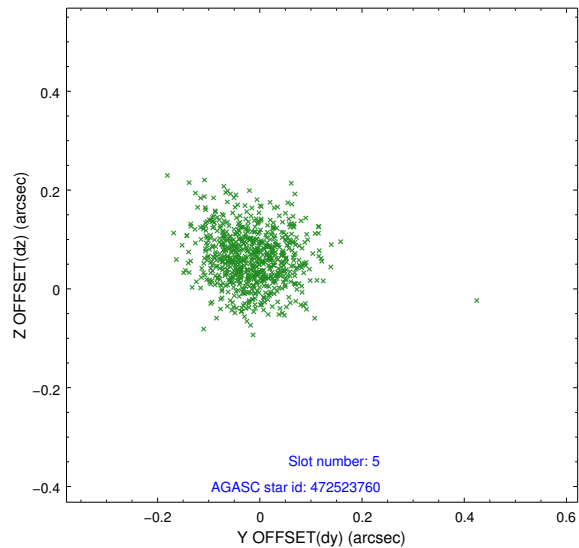
2.4.1 Slot 3



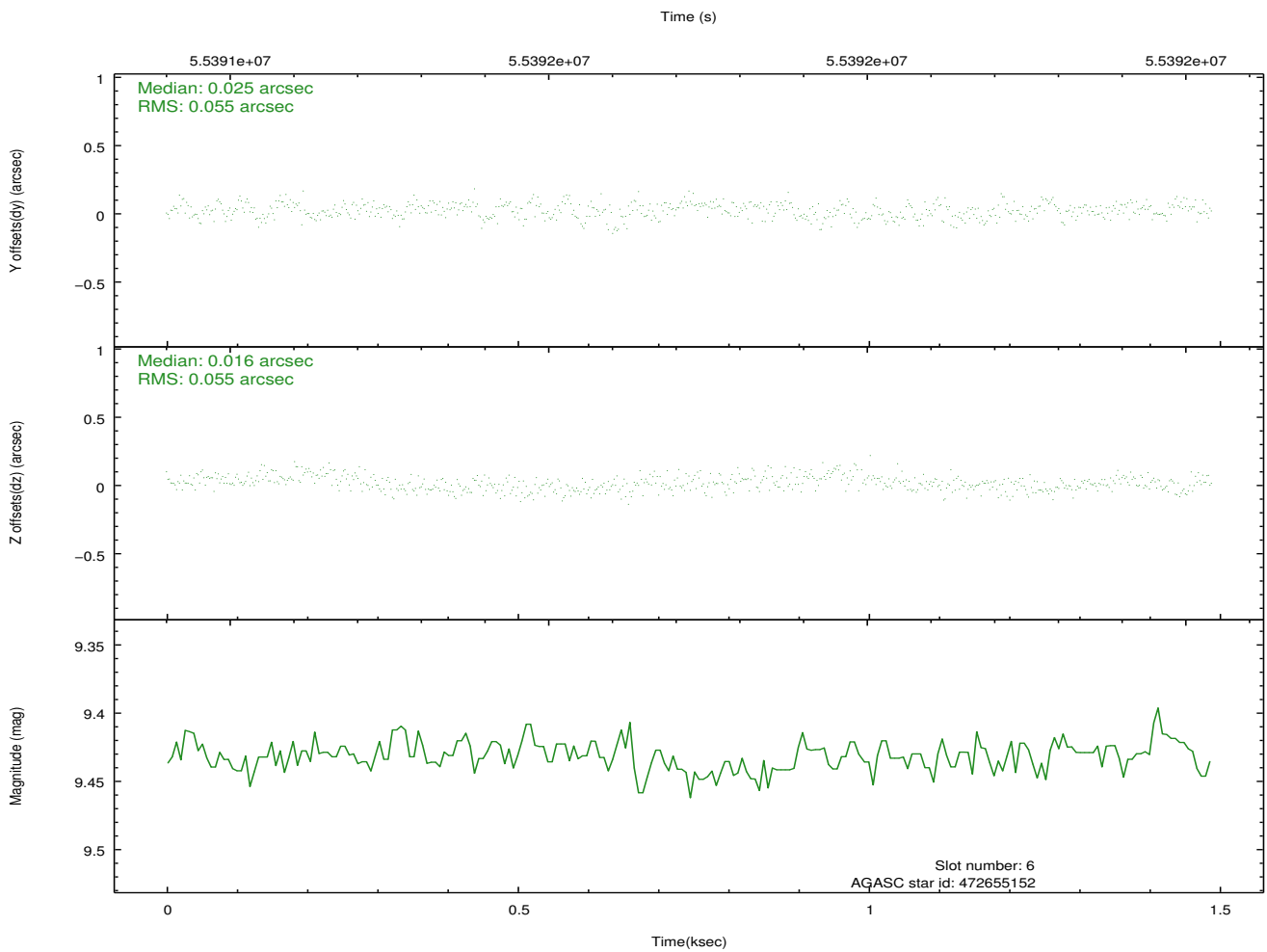
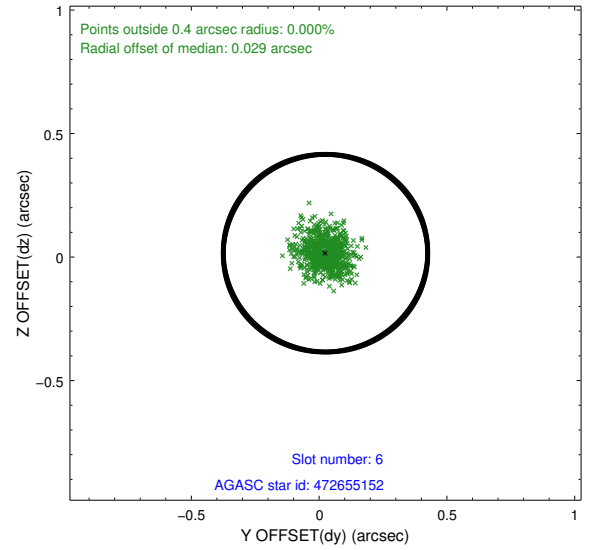
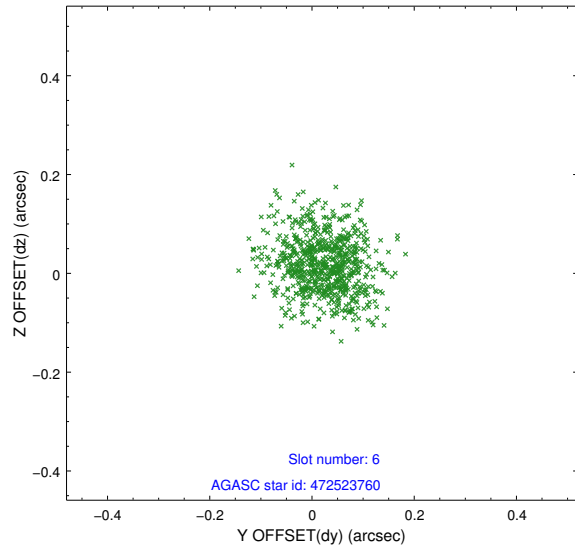
2.4.2 Slot 4



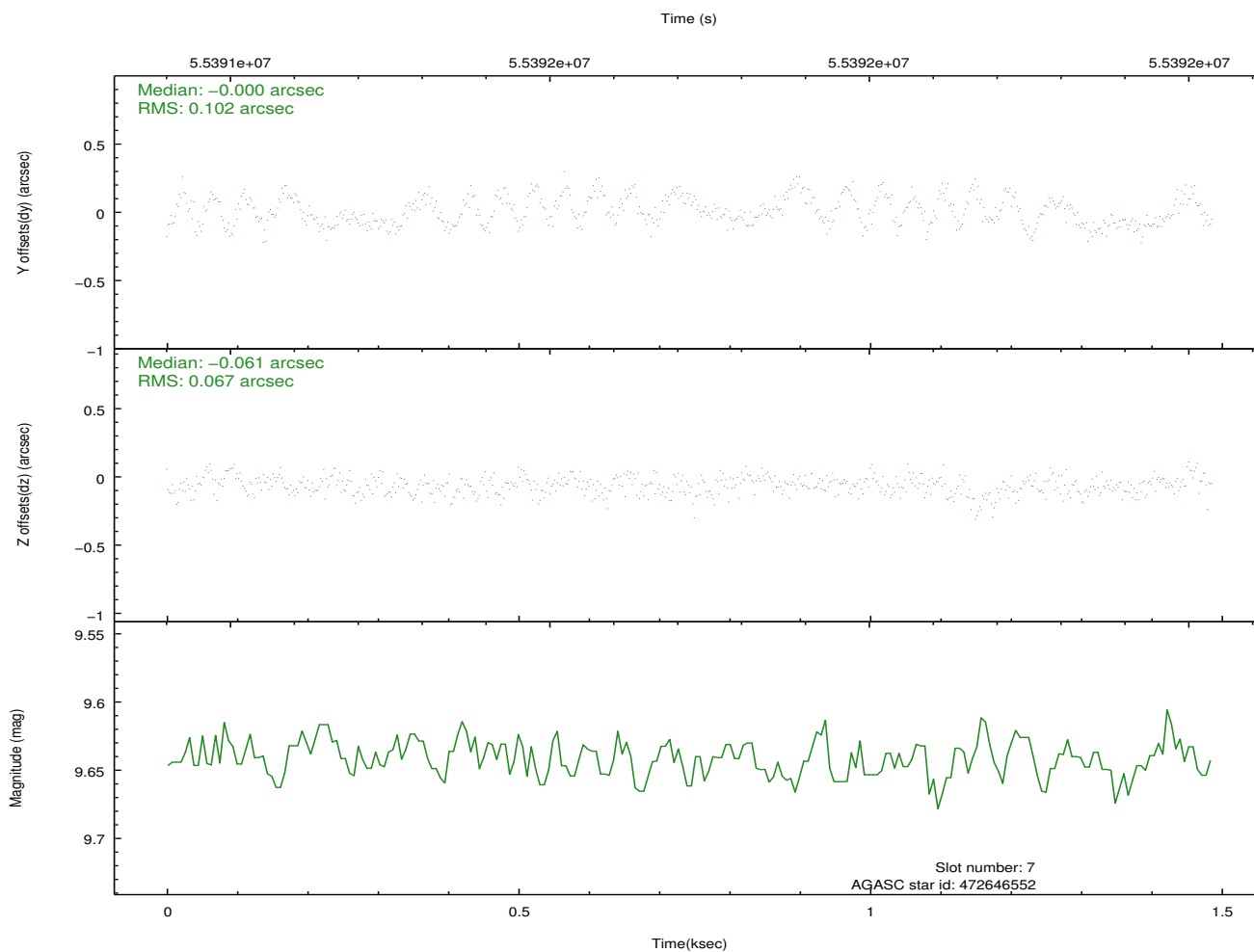
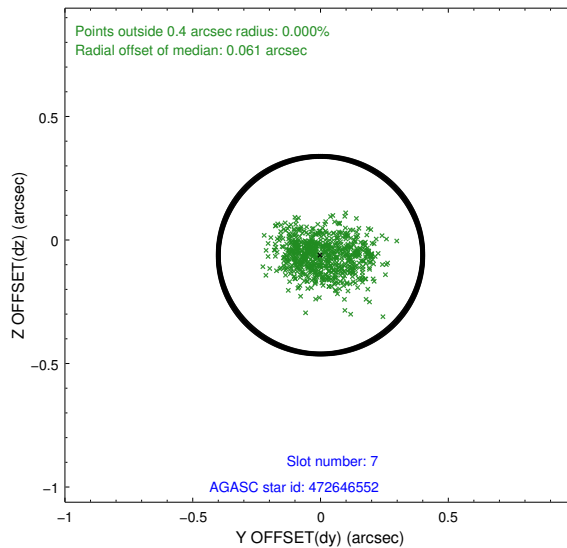
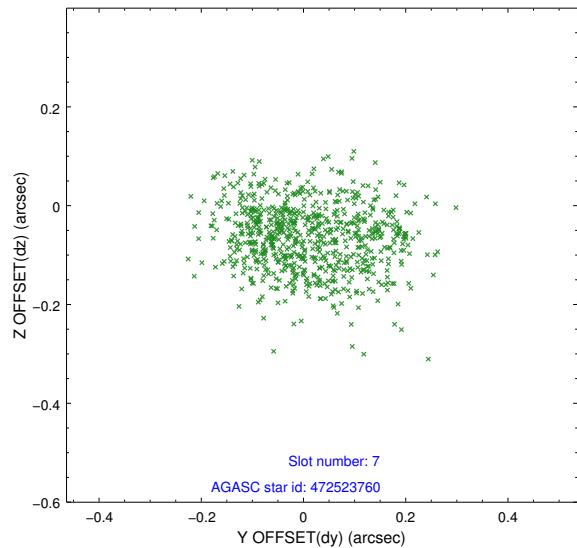
2.4.3 Slot 5



2.4.4 Slot 6

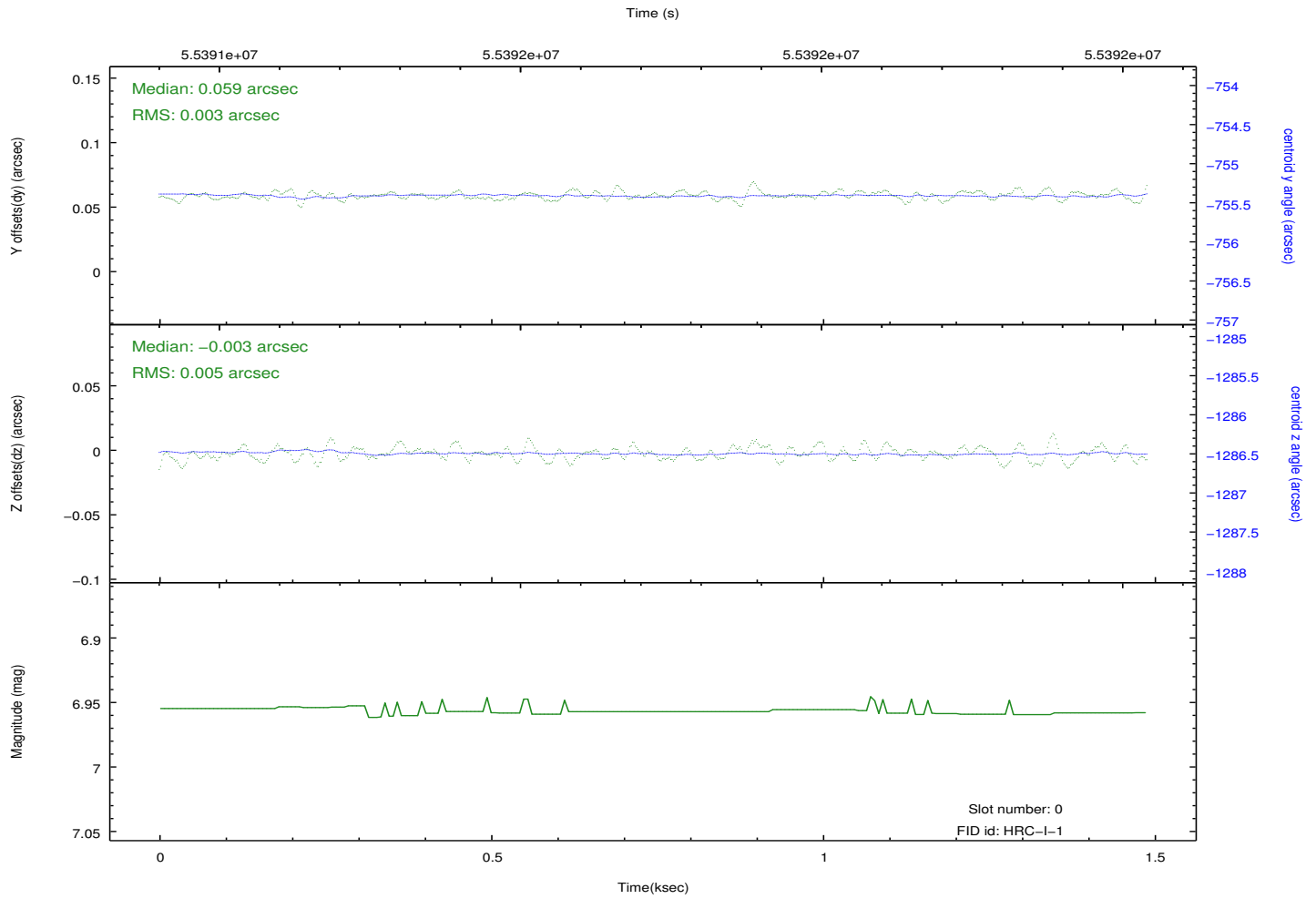
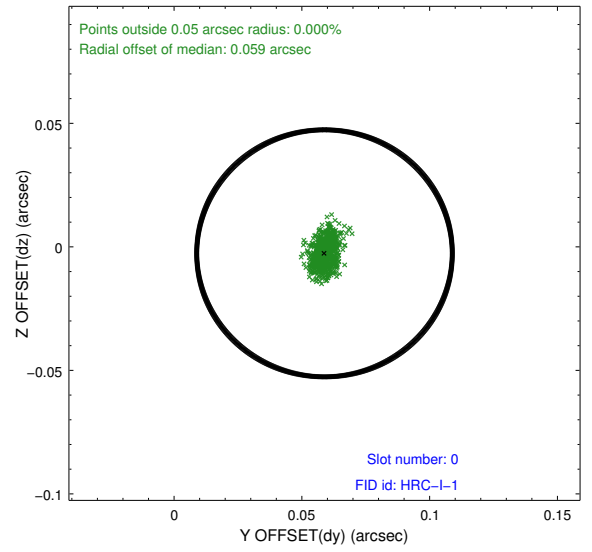
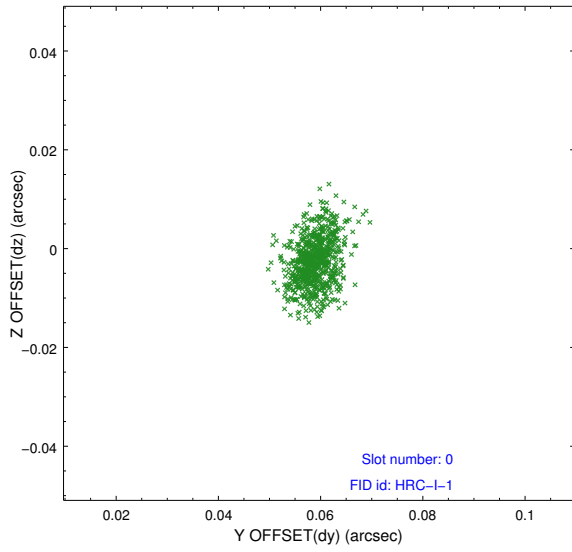


2.4.5 Slot 7

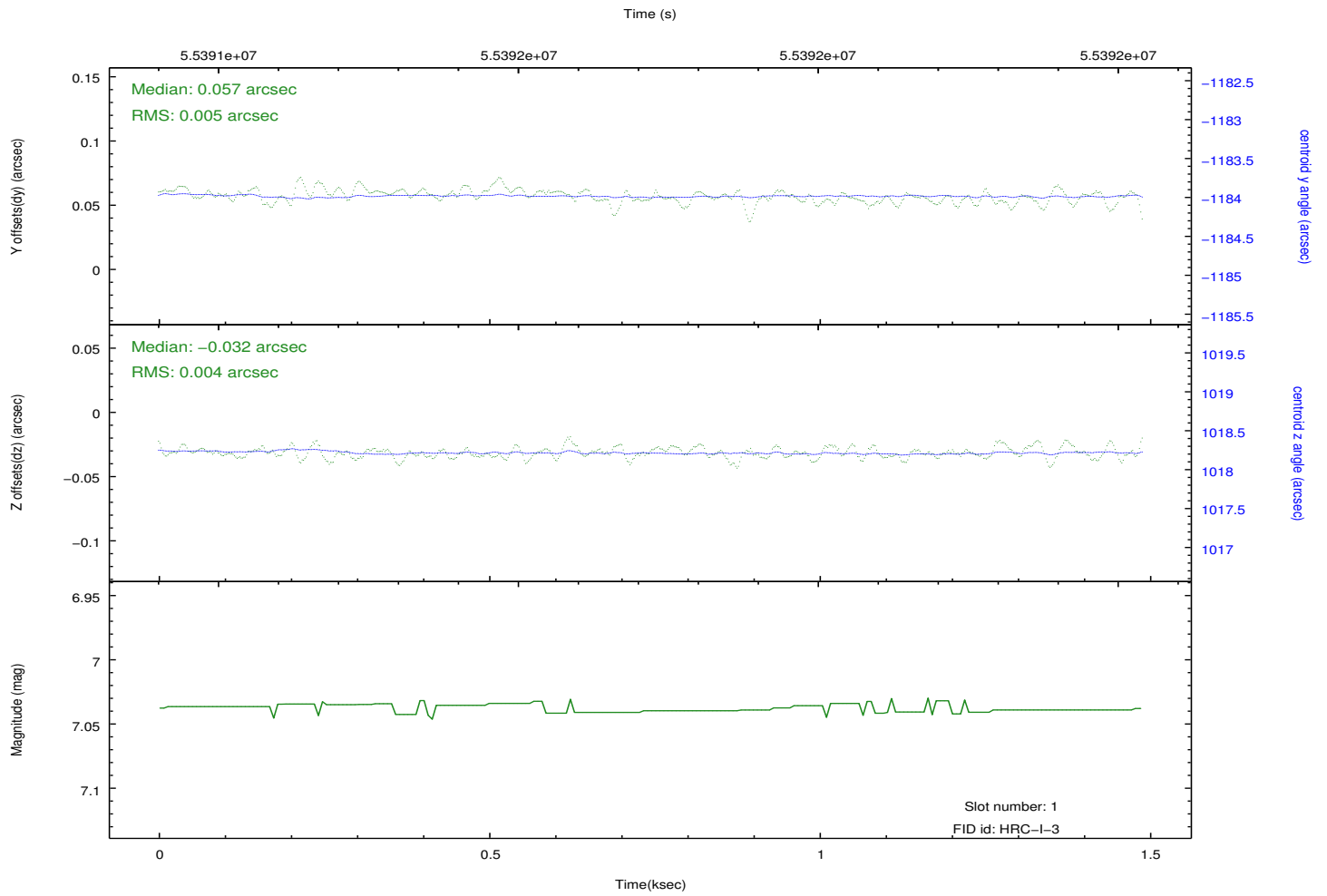
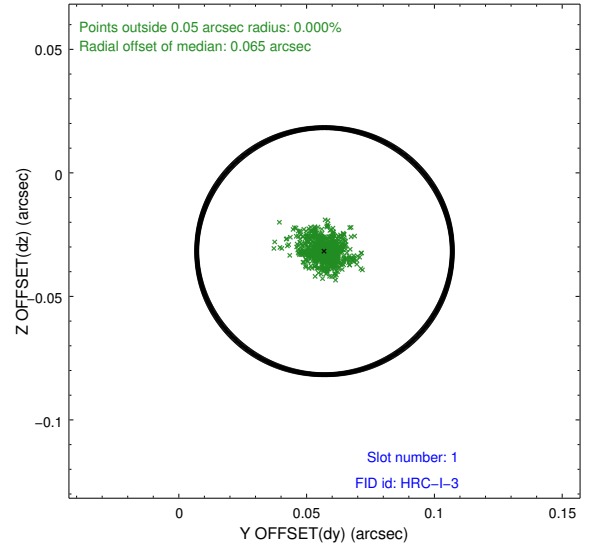
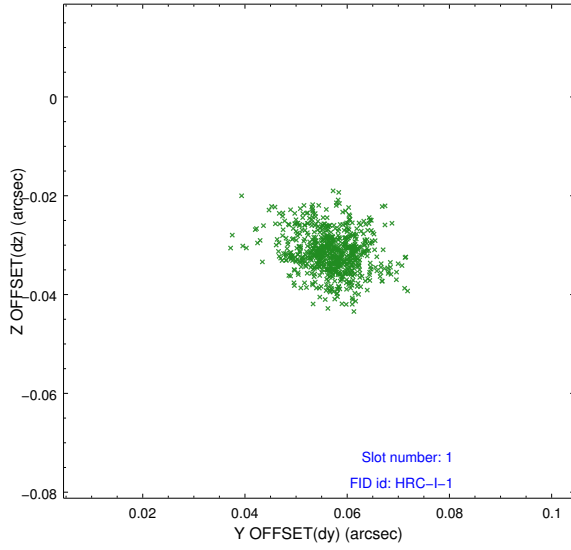


2.5 FID Slots

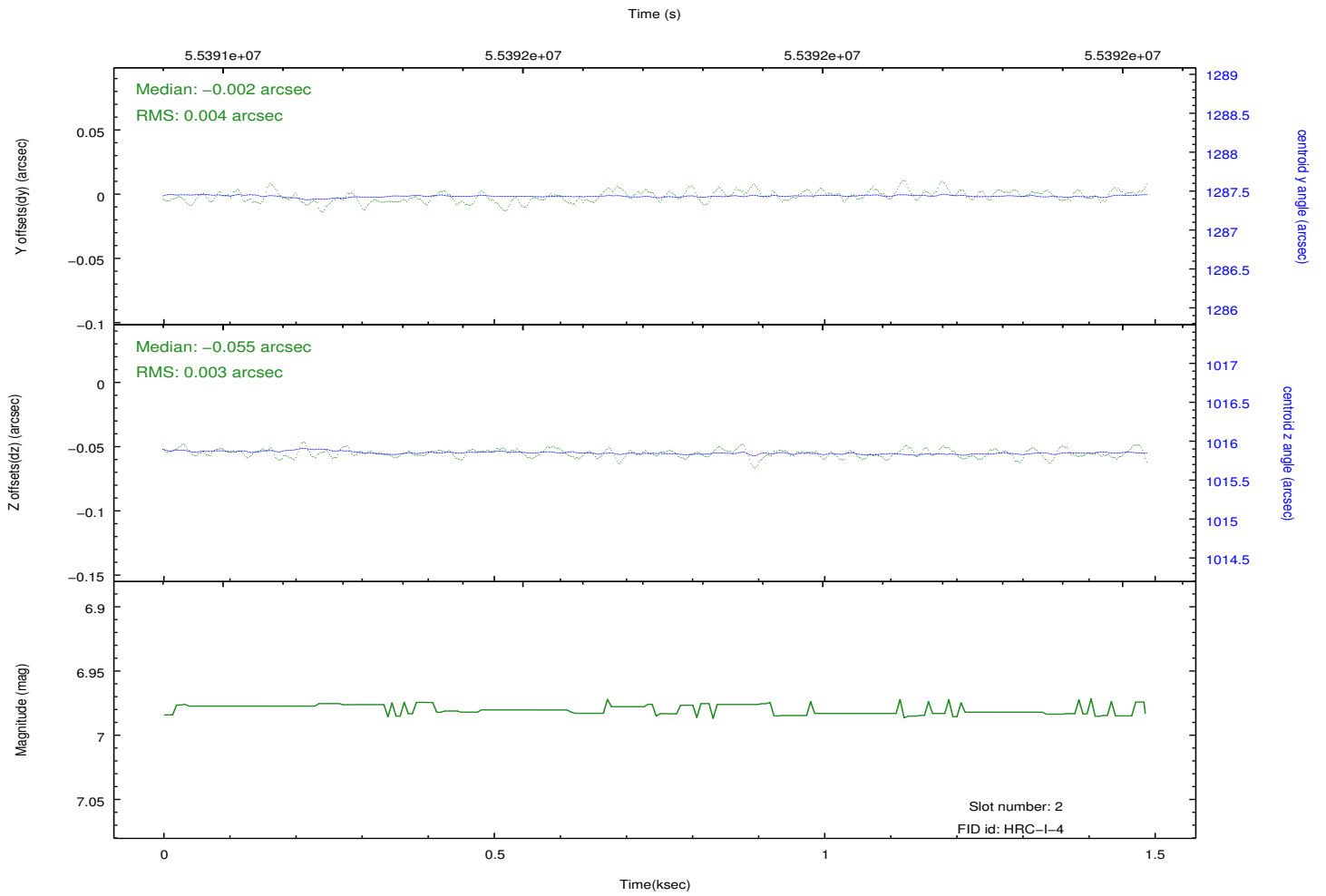
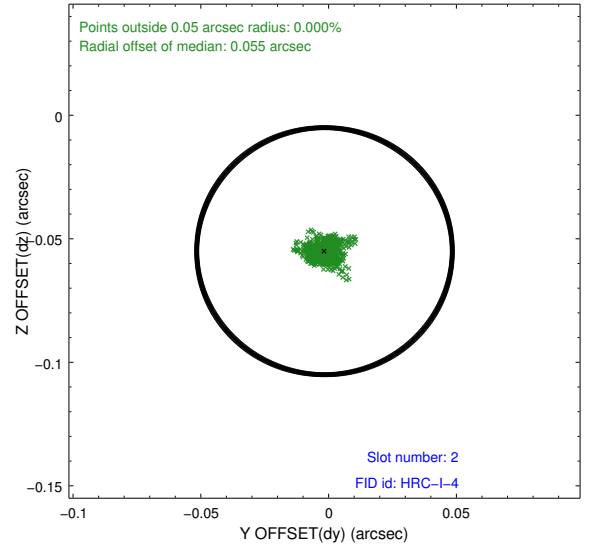
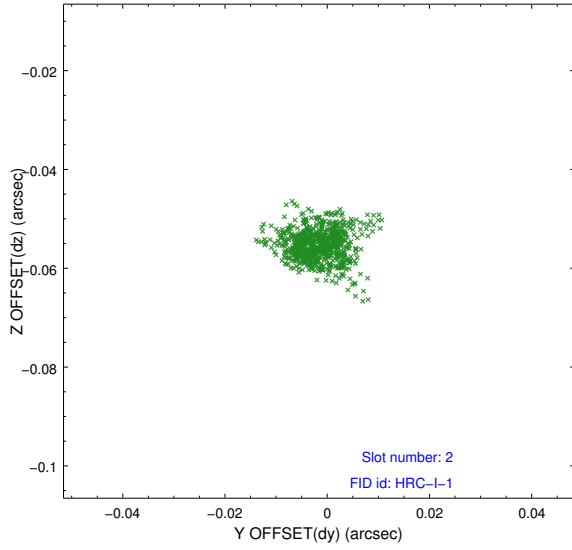
2.5.1 Slot 0



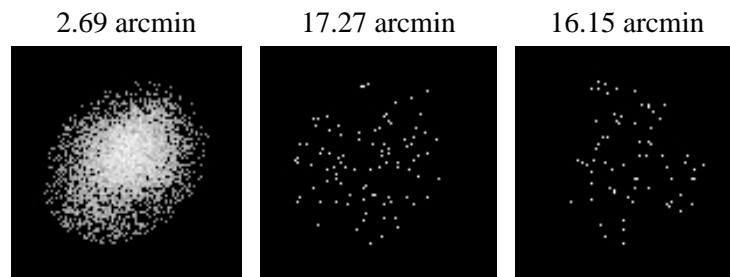
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2009.11.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.272

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).