

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13115 - L2 Version 2
Chandra X-Ray Center

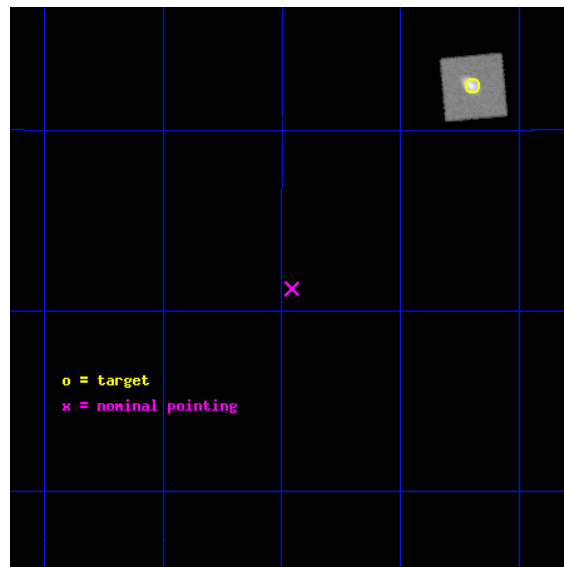
L2 Processing Date : Jul 6 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
A	Summary	16
A.1	Status	16
A.2	Comments	16

1 Front

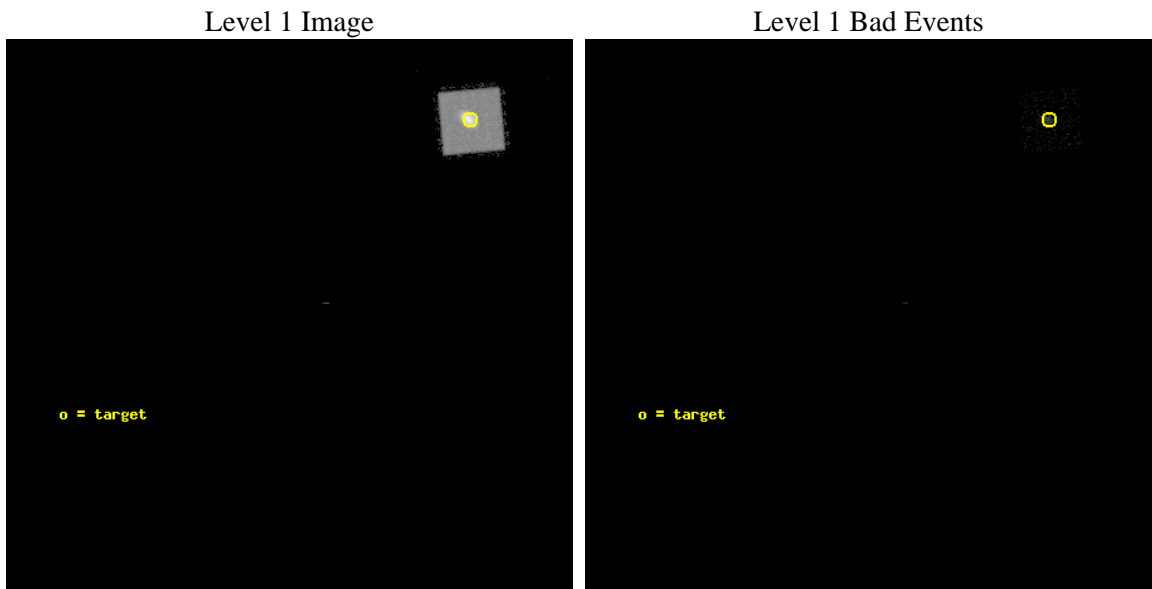
seq_num	990018	Sequence number
obs_id	13115	Observation id
title	AO-12 Calibration Observations of the ACIS charged particle background	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	31 Com	Source name
ra_targ	192.924583	Observer's specified target RA [deg]
dec_targ	27.540722	Observer's specified target Dec [deg]
ra_nom	193.11445848168	Nominal RA [deg]
dec_nom	27.35373321876	Nominal Dec [deg]
roll_nom	39.924829388479	Nominal Roll [deg]
revision	2	Processing version of data
ontime	49747.608815908	[s]
livetime	44311.346983691	Ontime multiplied by DTCOR
l2events	87221	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	50000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	49813.208815873	[s]
caldbver	4.5.0	 	l1events	105153	Number of level 1 events
date	2012-07-06T14:39:48	Date and time of file creation			
revision	2	Processing version of data			

2.1.3 Events

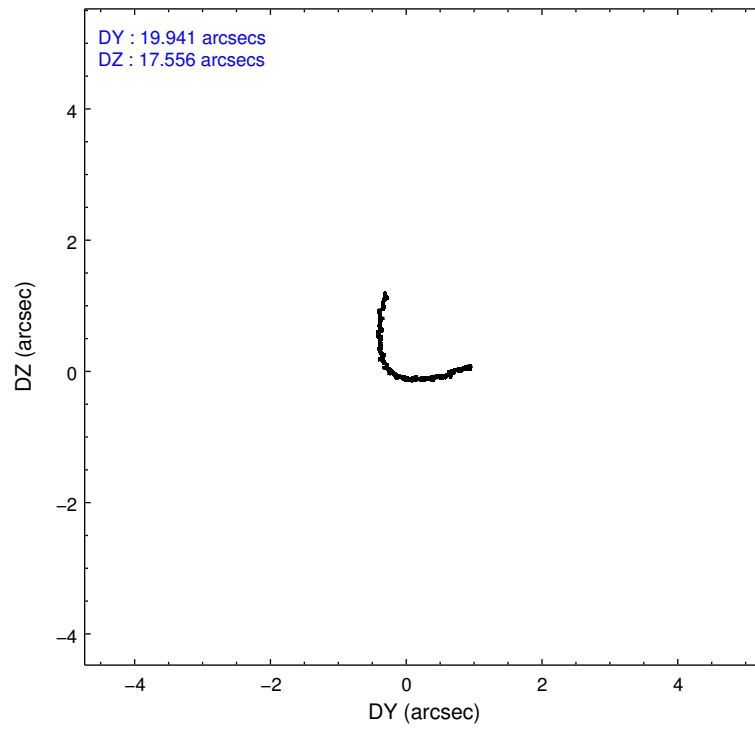
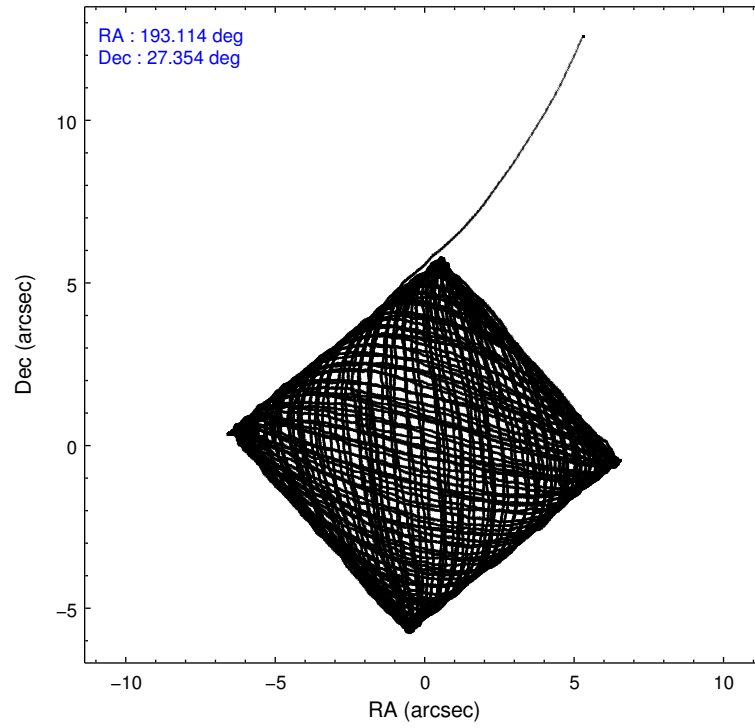
Level 1 Events

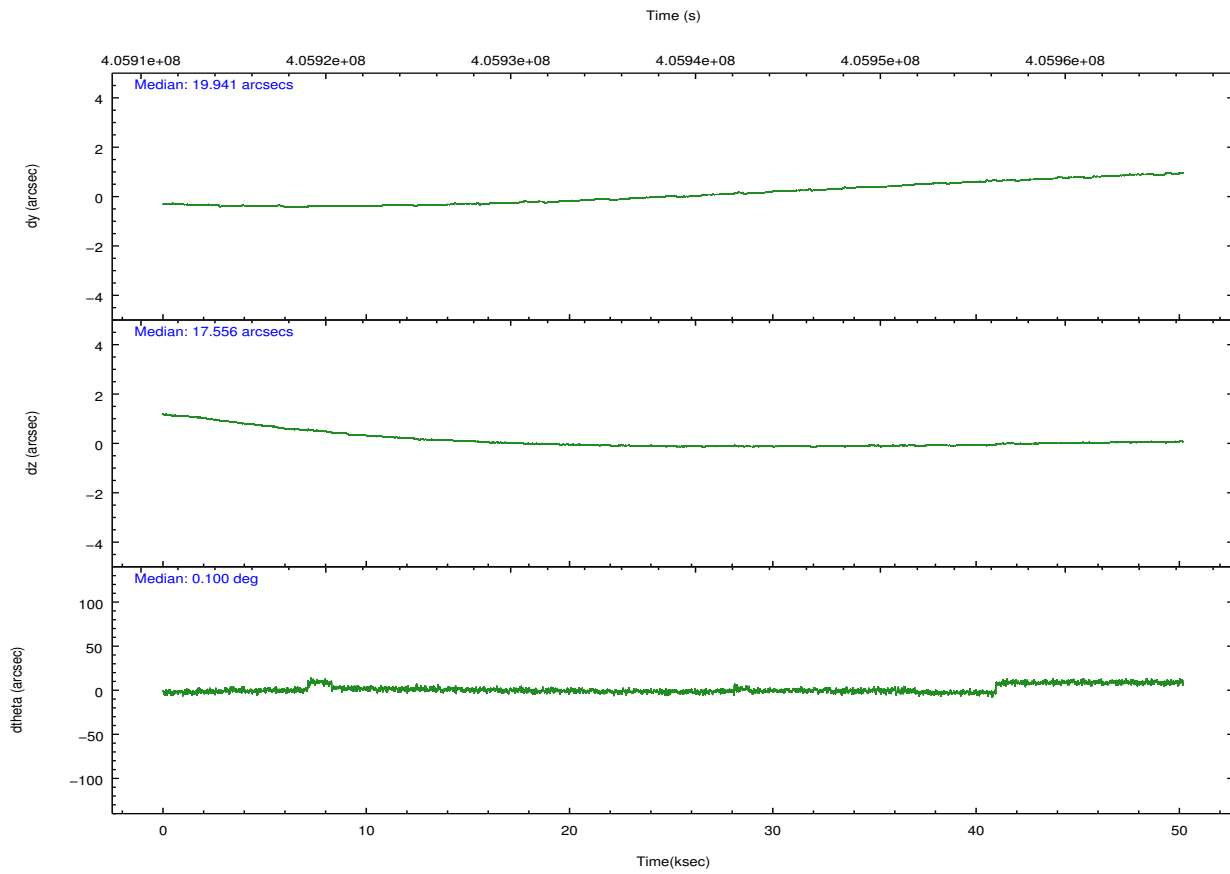
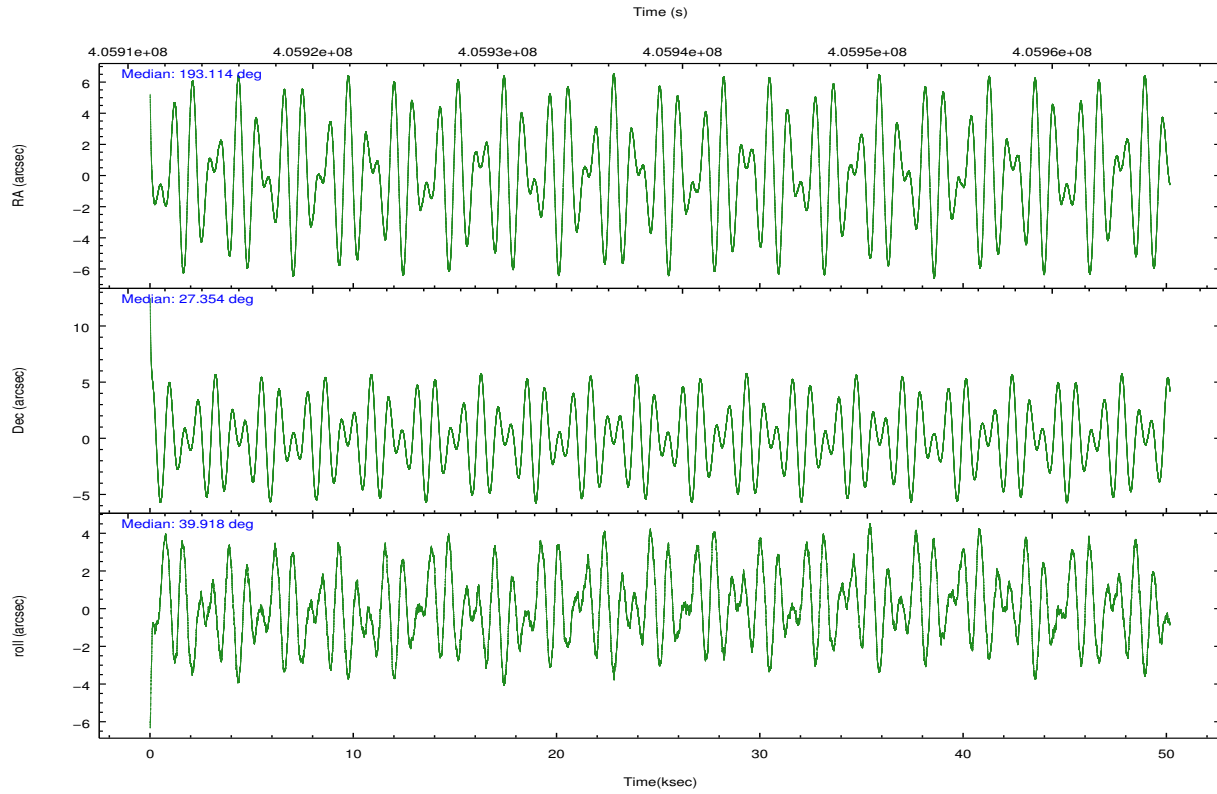
	segment 0
level 1 events	105153
rejected events	2874
rejected %	2%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	OVERRIDE	OVERRIDE
Data mode	NEXT_IN_LINE	NEXT_IN_LINE			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	193.104612	193.1144584816813			
[deg] Pointing Dec	27.327973	27.3537332187595			
[deg] Pointing Roll	40.024846	39.92482938847917			
[s] Window start time (MET)	402278466.184000	402278466.184000			
[s] Window stop time (MET)	410140866.184000	410140866.184000			
[mm] SIM focus pos	-1.038866356238299	-1.038866356238299			
[mm] SIM defocus	0.00142623211714632	0.00142623211714632			
[mm] SIM translation stage pos	51.9960404362608	51.9960404362608			
[mm] SIM translation stage offset	74.989453869027	74.989453869027			
[s] Observation start time (MET)	405912913.81257	405912913.81257			
Observation start date	2010-11-12T01:35:13	2010-11-12T01:35:13			
[s] Observation end time (MET)	405964733.71525	405964733.71525			
Observation end date	2010-11-12T15:58:53	2010-11-12T15:58:53			

2.3 Aspect



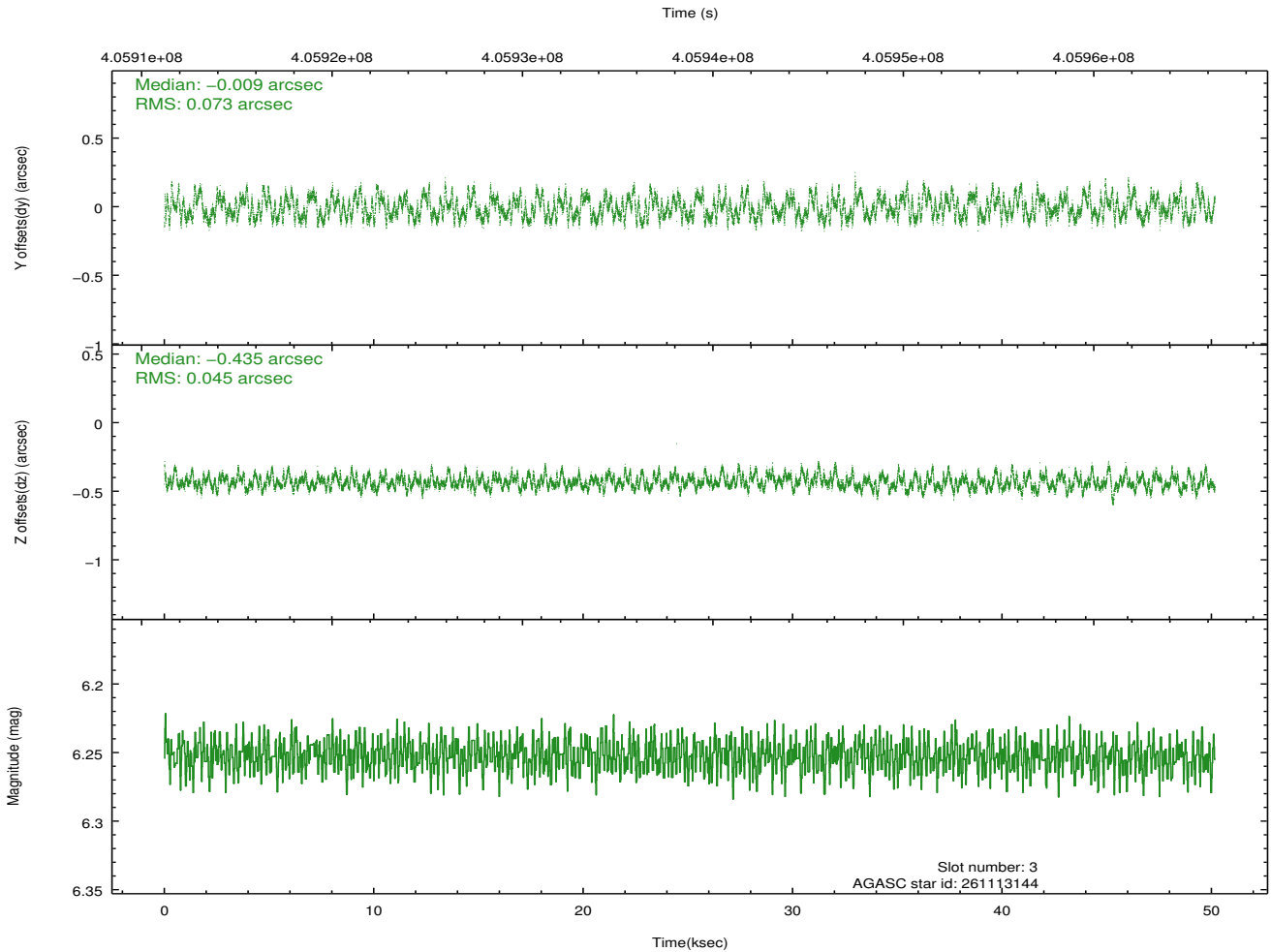
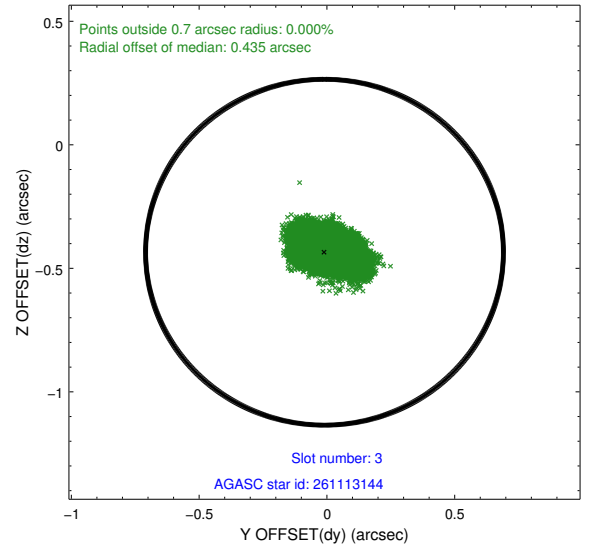
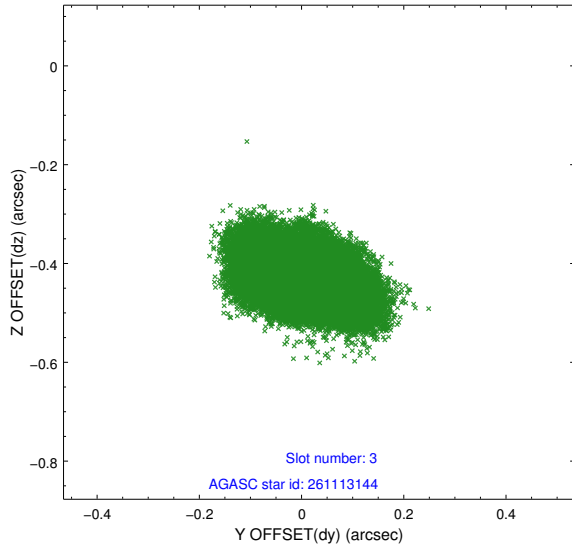


Slot Statistics

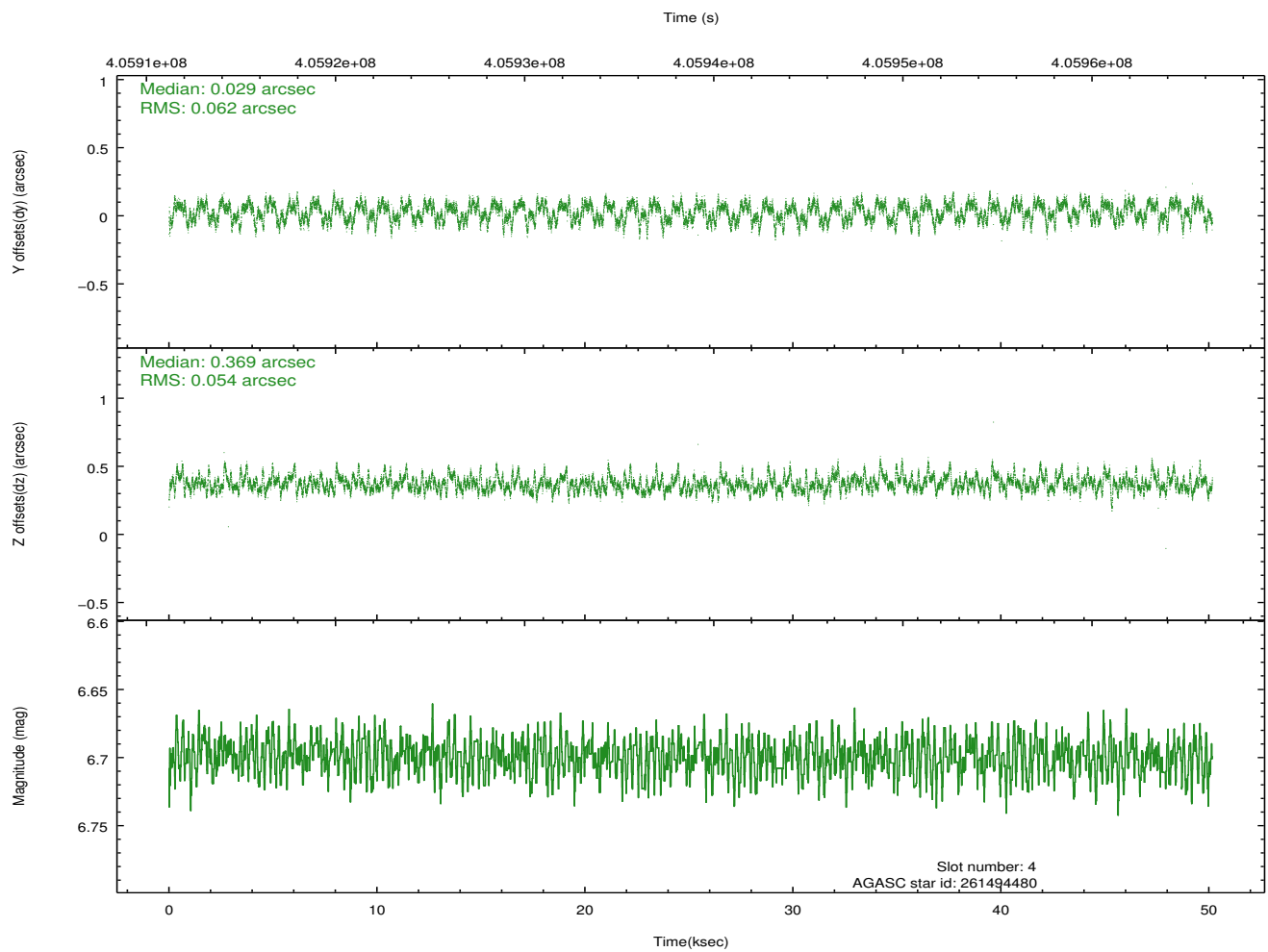
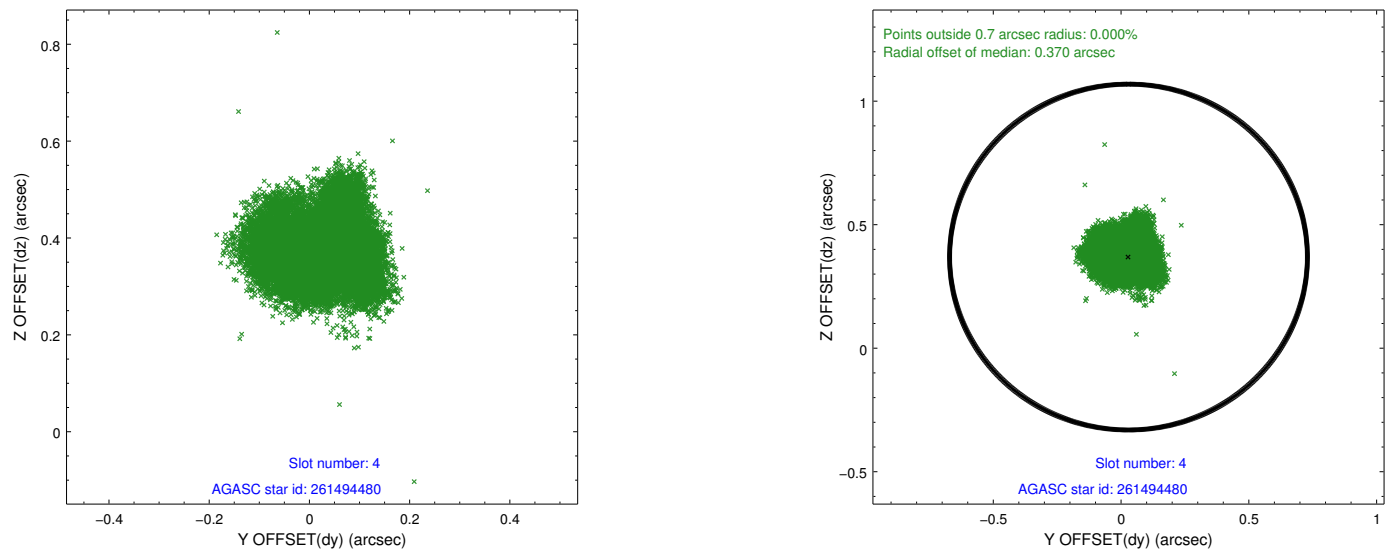
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.92	12234	-0.702	-0.029	0.008	0.017	0.000000	0.000000	-774.74	232.03
1	FID	HRC-I-2	7.05	12233	0.781	-0.025	0.008	0.017	0.000000	0.000000	836.23	233.04
2	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	261113144	6.25	24471	-0.009	-0.435	0.093	0.145	192.322716	27.552380	-1387.15	2230.03
4	GUIDE	261494480	6.70	24470	0.029	0.369	0.087	0.138	193.482276	26.779993	-337.64	-2289.27
5	GUIDE	261502568	9.35	24447	-0.108	0.011	0.114	0.178	193.527777	27.676053	1840.54	93.98
6	GUIDE	261508488	9.42	24451	0.240	0.427	0.162	0.238	193.081632	26.490574	-1995.40	-2260.39
7	GUIDE	261507256	8.32	24395	-0.148	-0.373	0.071	0.112	193.022402	28.129301	1655.30	2376.66

2.4 Star Slots

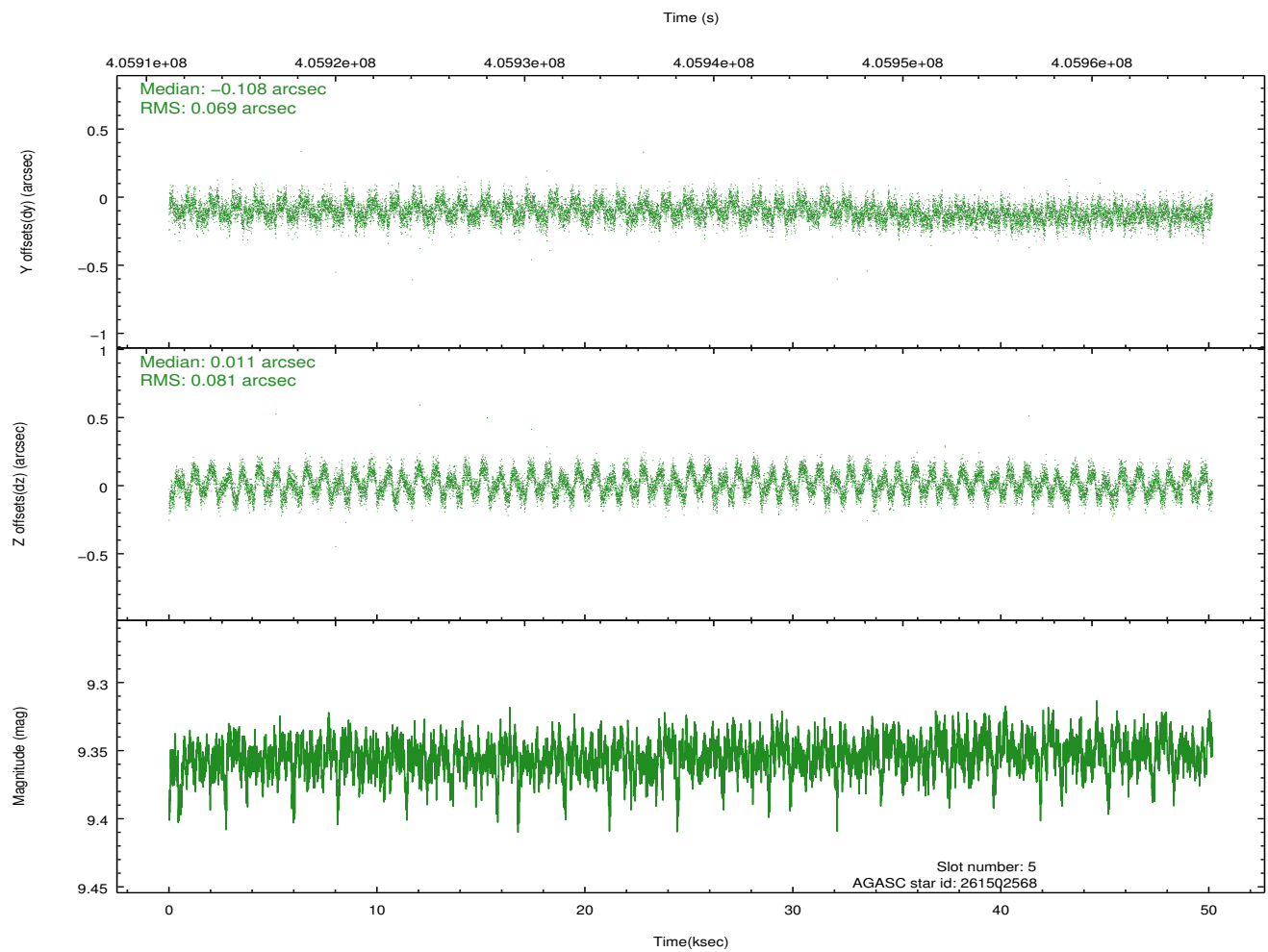
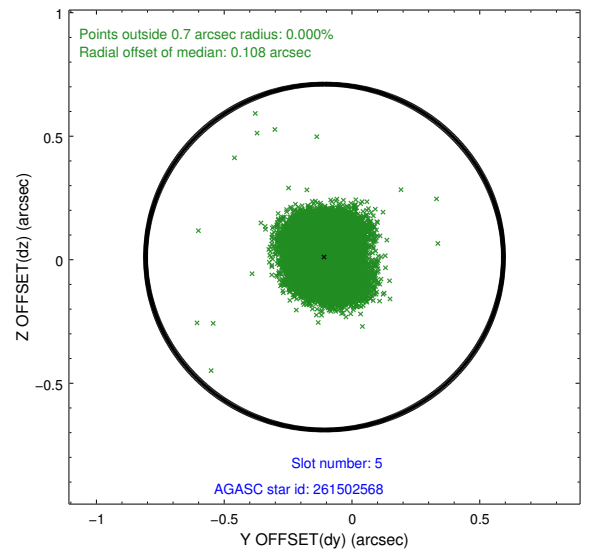
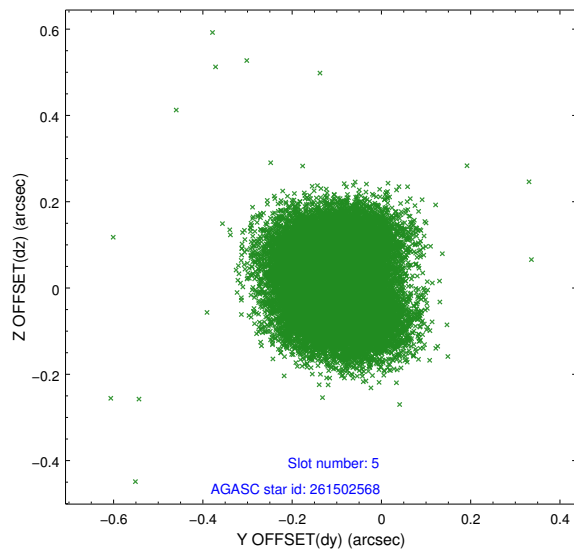
2.4.1 Slot 3



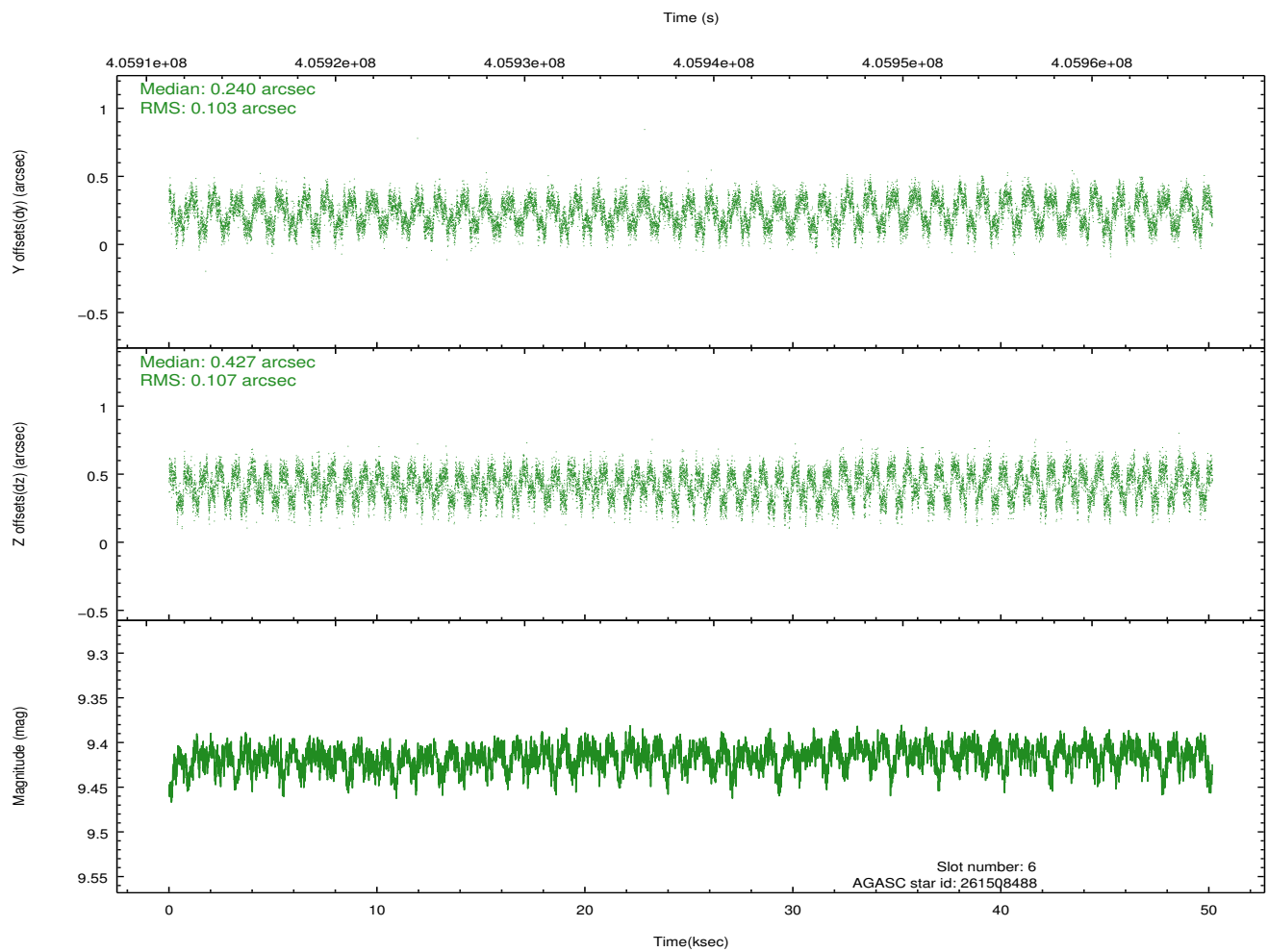
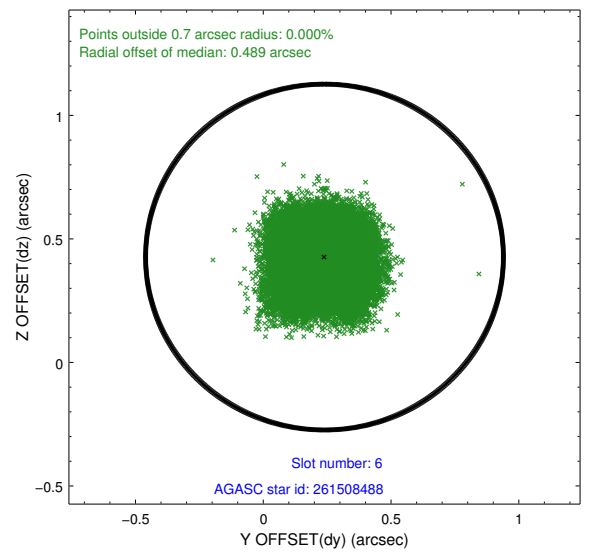
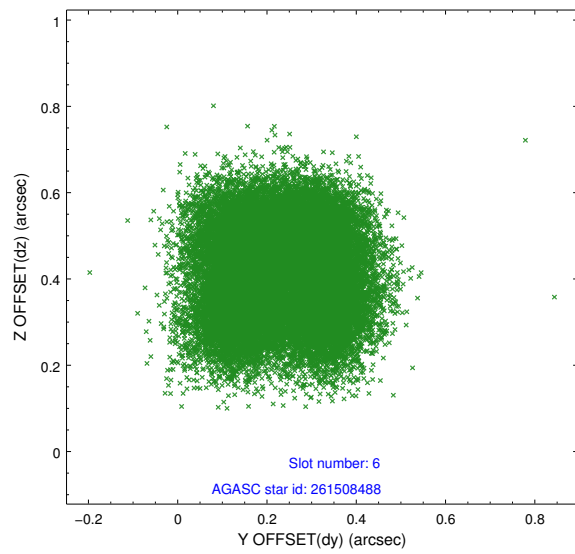
2.4.2 Slot 4



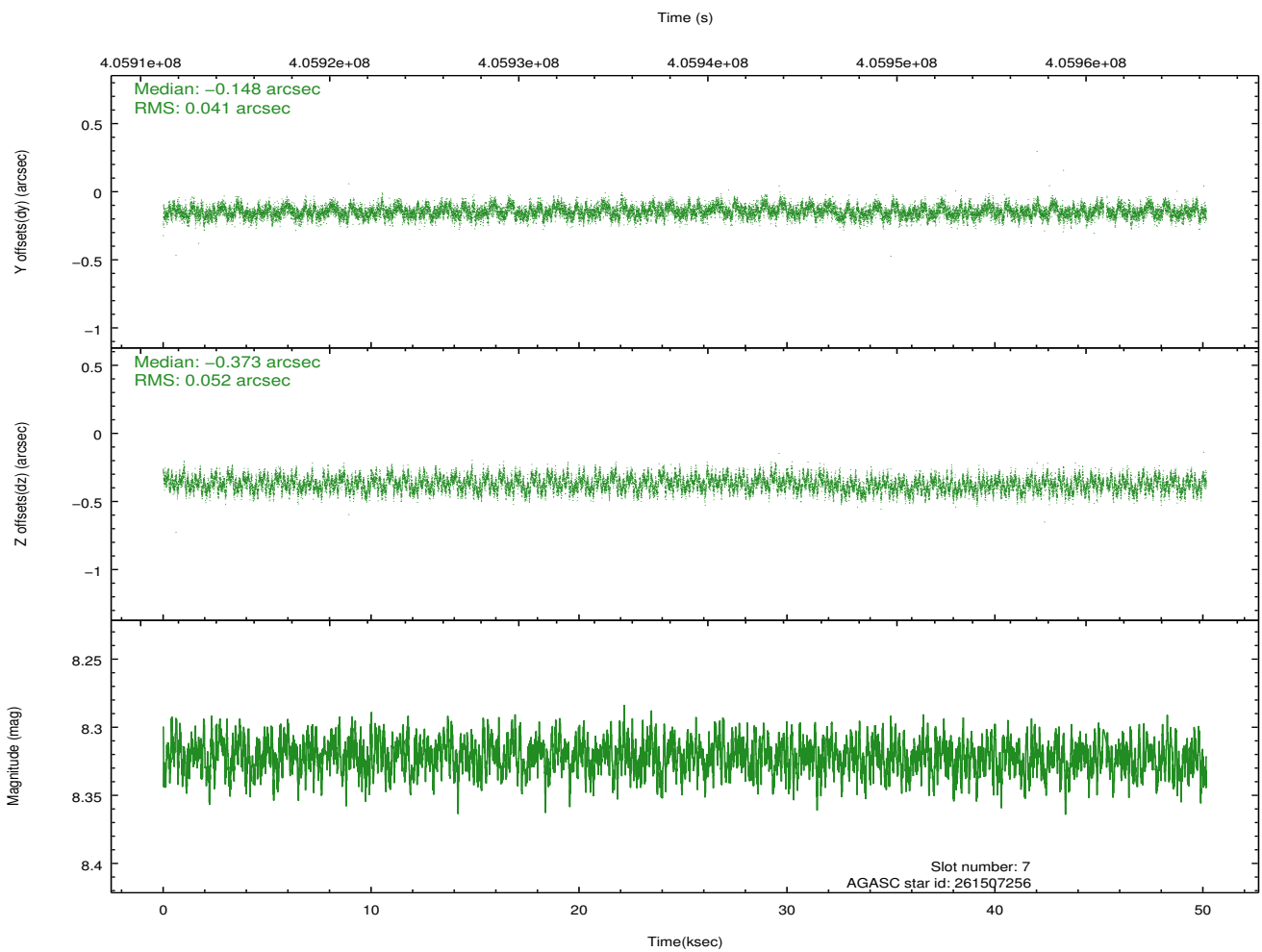
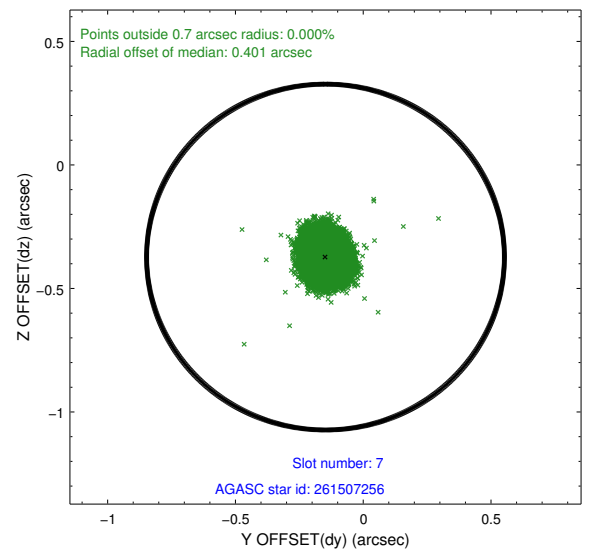
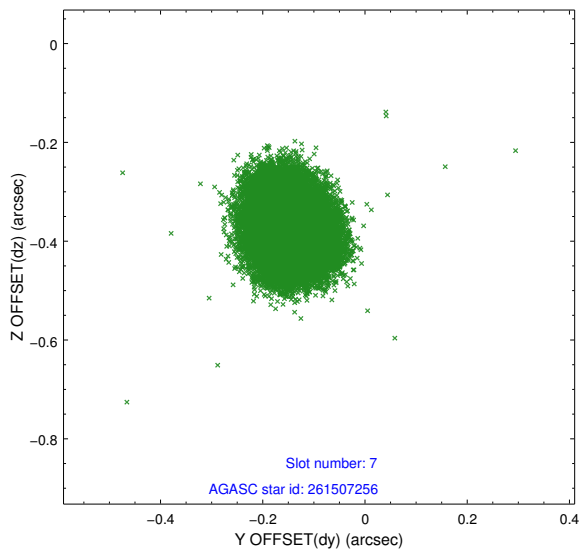
2.4.3 Slot 5



2.4.4 Slot 6

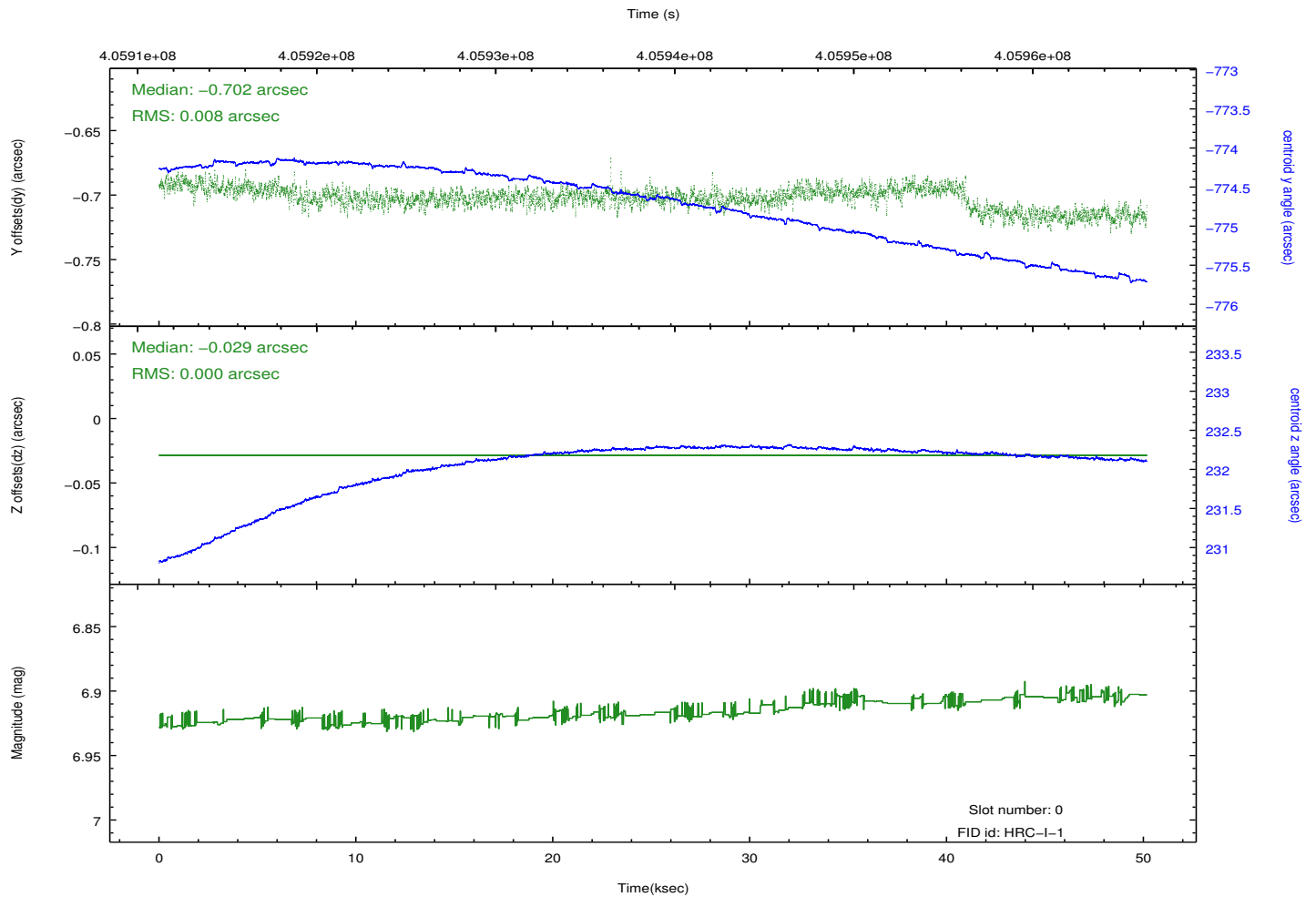
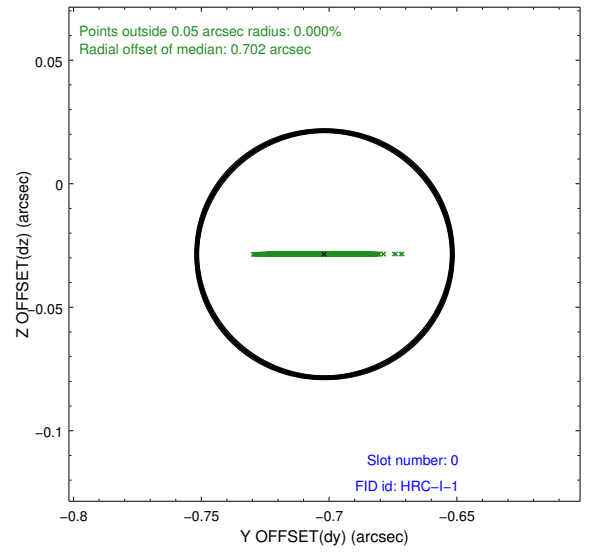
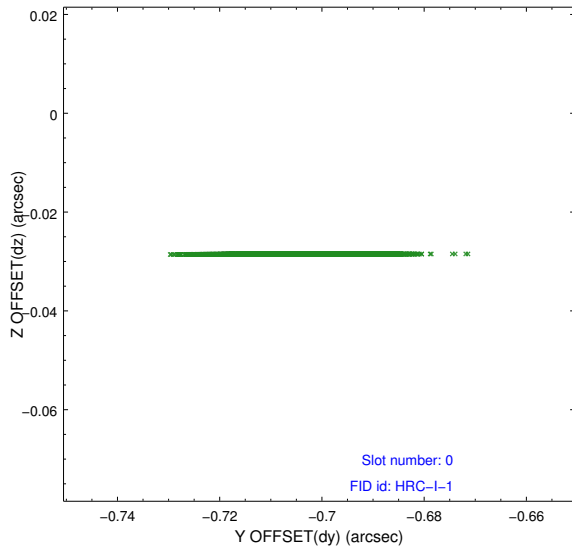


2.4.5 Slot 7

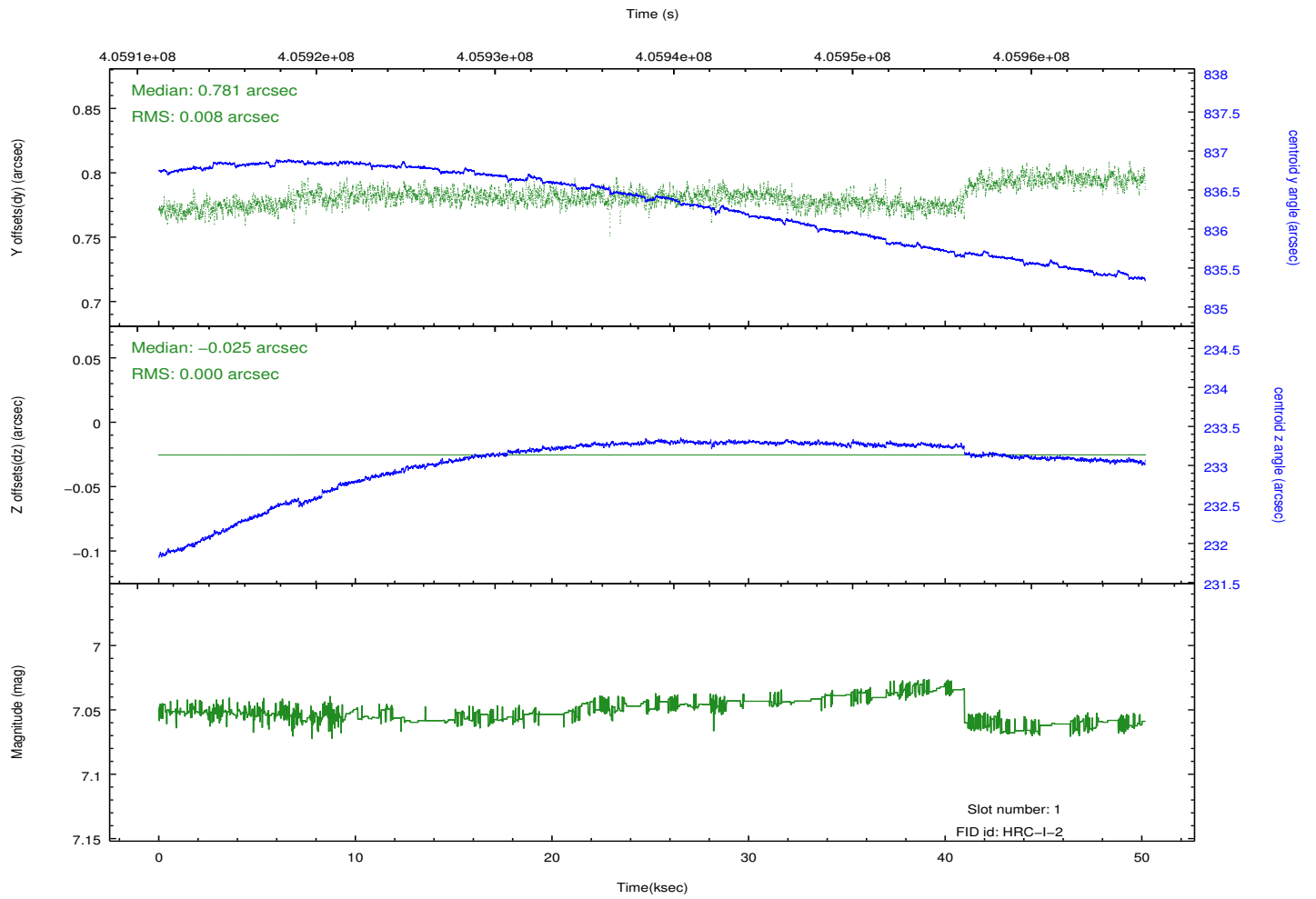
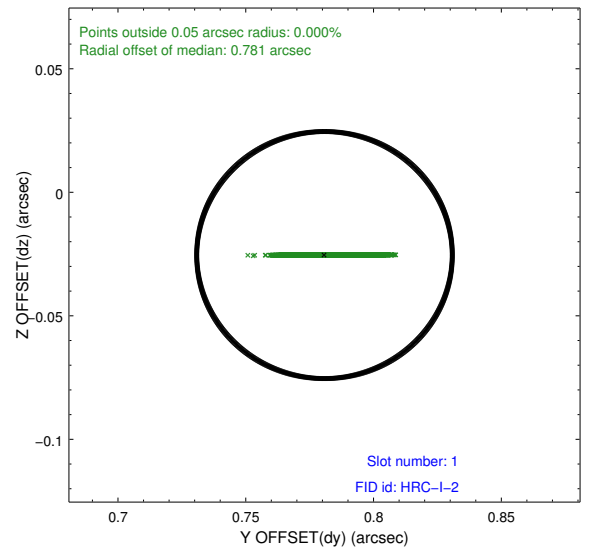
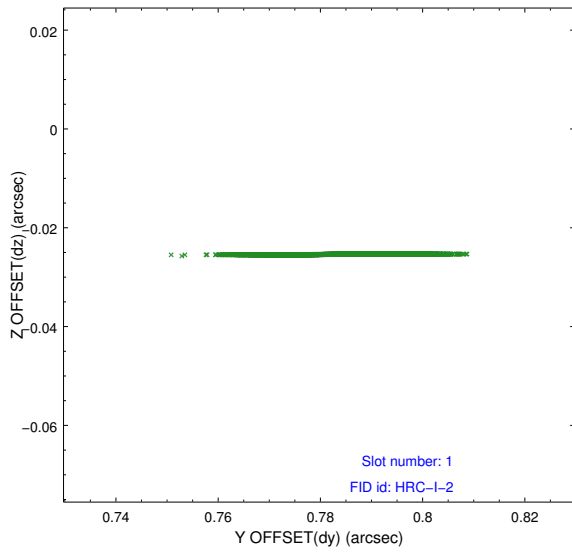


2.5 FID Slots

2.5.1 Slot 0



2.5.2 Slot 1



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.747608815014

A.2 Comments

High radial offset of fid lights is expected. Window preference met.
Slot 2 was not utilized in this observation.