

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 10632 - L2 Version 3
Chandra X-Ray Center

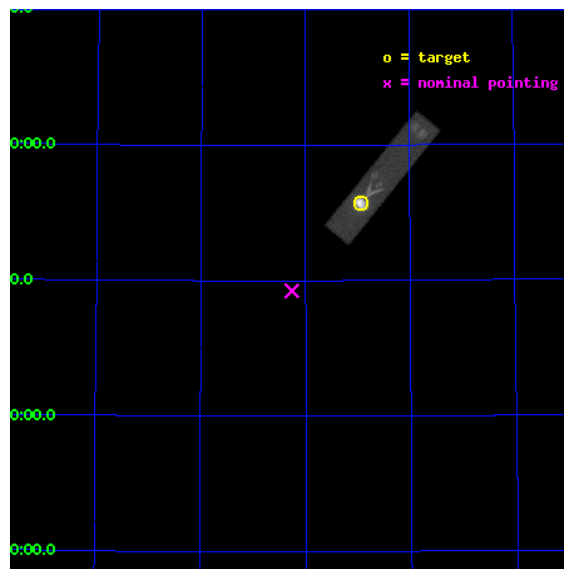
L2 Processing Date : Aug 13 2012

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
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

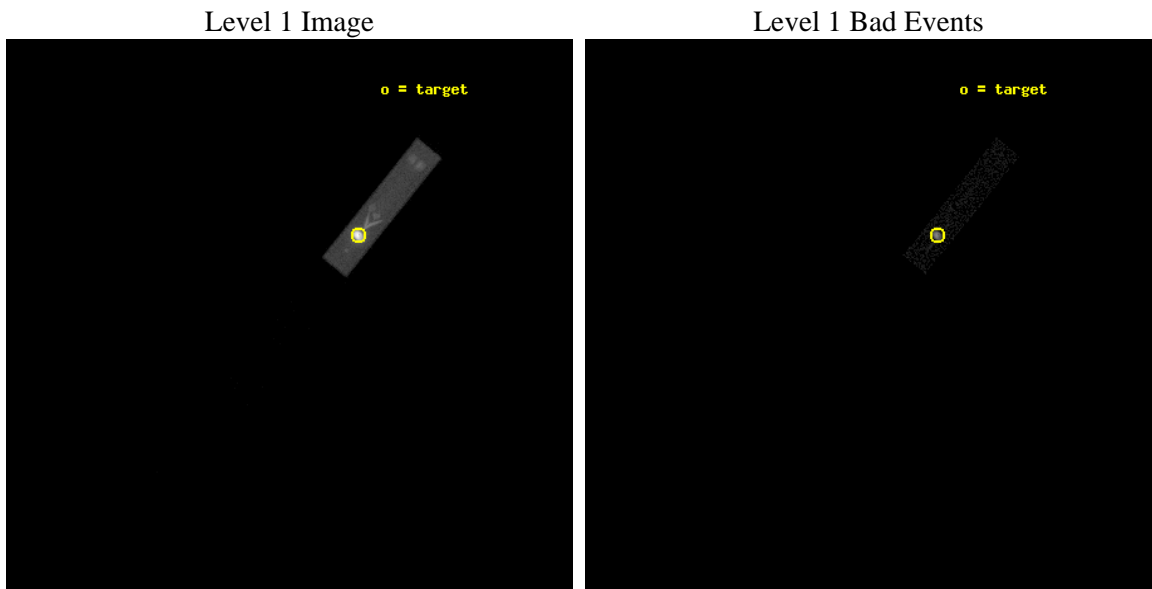
seq_num	290868	Sequence number
obs_id	10632	Observation id
title	AO-10 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.56575683005	Nominal RA [deg]
dec_nom	38.463070204165	Nominal Dec [deg]
roll_nom	128.85259334168	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2189.4001091719	[s]
livetime	829.20268391461	Ontime multiplied by DTCOR
l2events	386195	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	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2189.4001091719	[s]
caldsver	4.5.1.1	 	l1events	442094	Number of level 1 events
date	2012-08-13T07:53:35	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

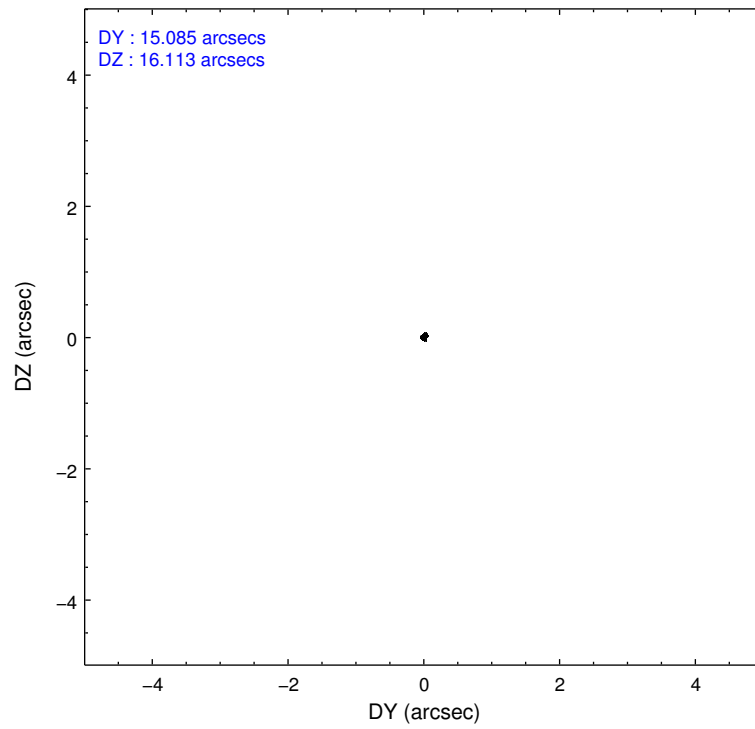
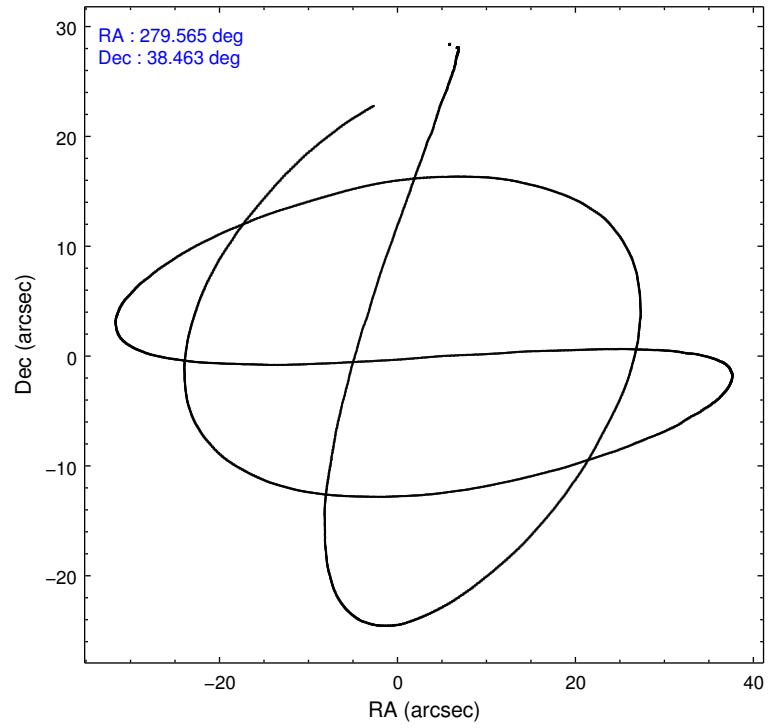
	segment 1	segment 2	segment 3
level 1 events	2	41	442051
rejected events	2	20	38368
rejected %	100%	48%	8%

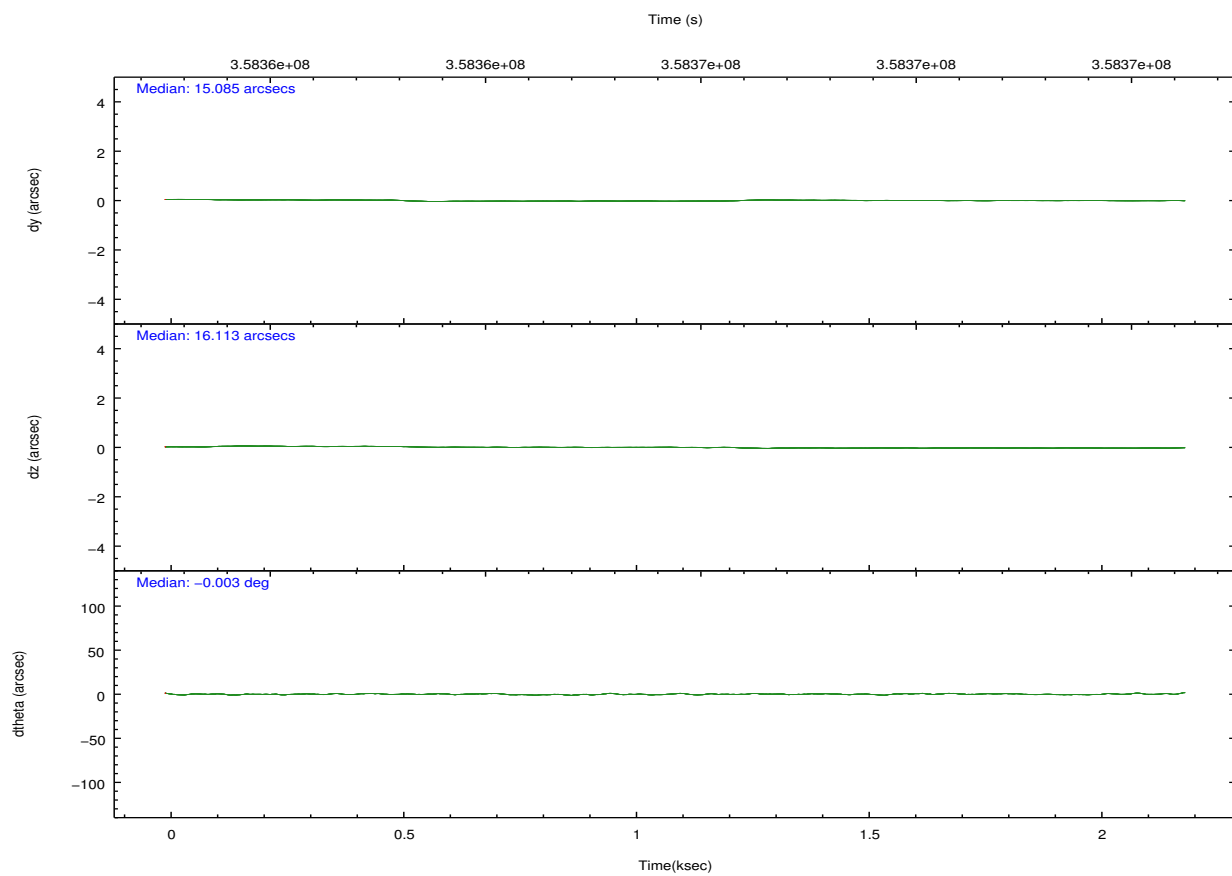
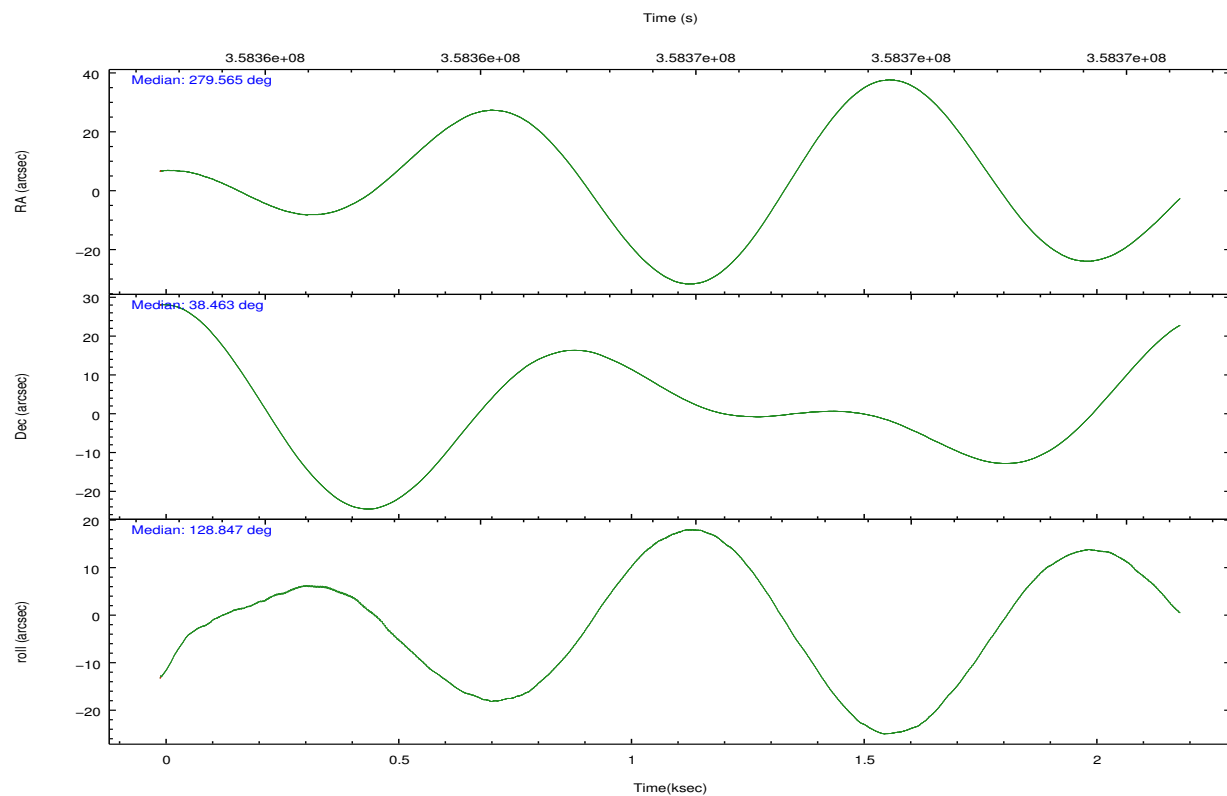
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	279.600869	279.5657568300513
[deg] Pointing Dec	38.454185	38.46307020416508
[deg] Pointing Roll	128.763424	128.8525933416786
[s] Window start time (MET)	352252866.184000	352252866.184000
[s] Window stop time (MET)	360115266.184000	360115266.184000
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	358364530.184000	358364154.11675
Observation start date	2009-05-10T17:41:04	2009-05-10T17:35:54
[s] Observation end time (MET)	358366530.184000	358367609.39192
Observation end date	2009-05-10T18:14:24	2009-05-10T18:33:29

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



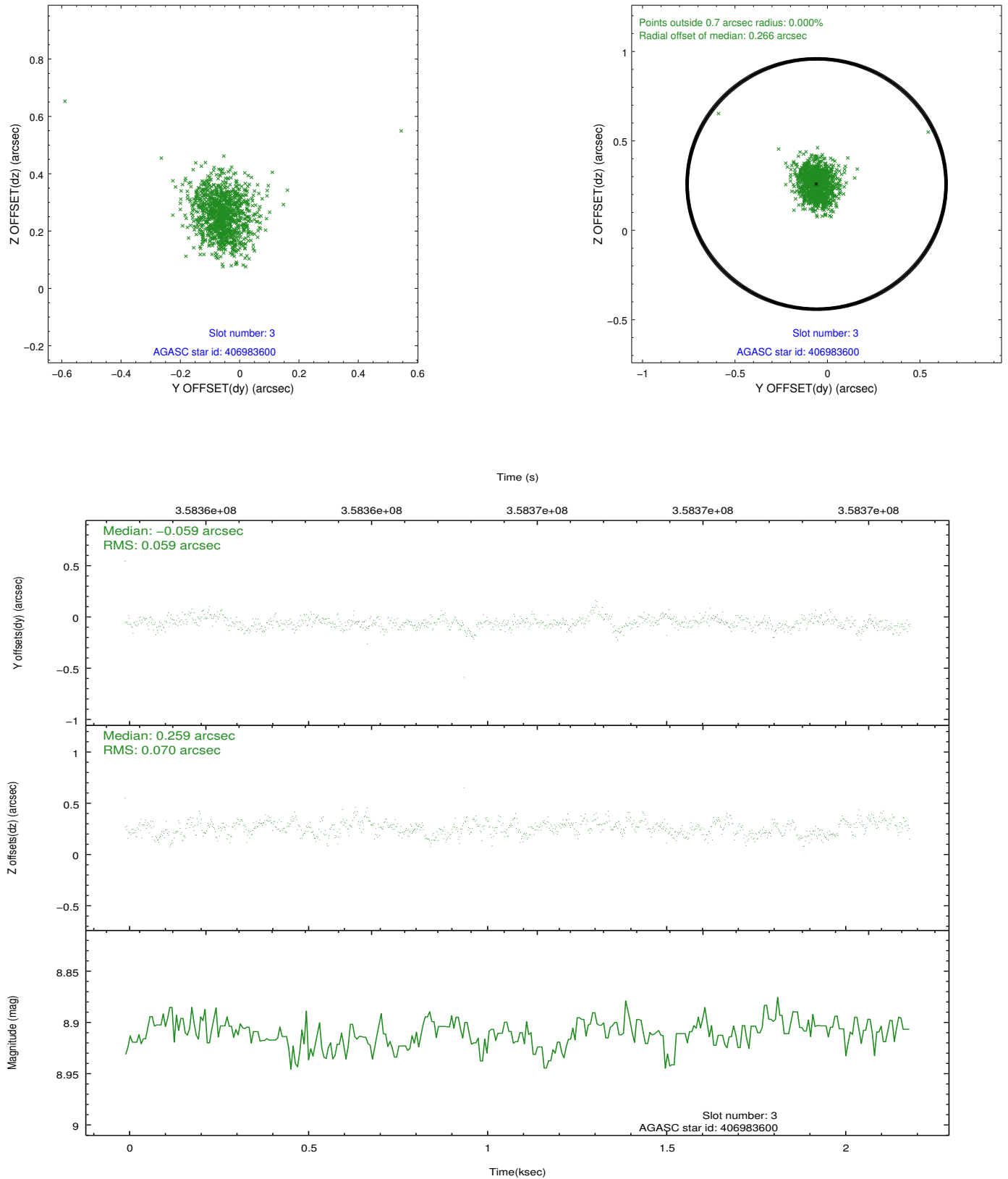


Slot Statistics

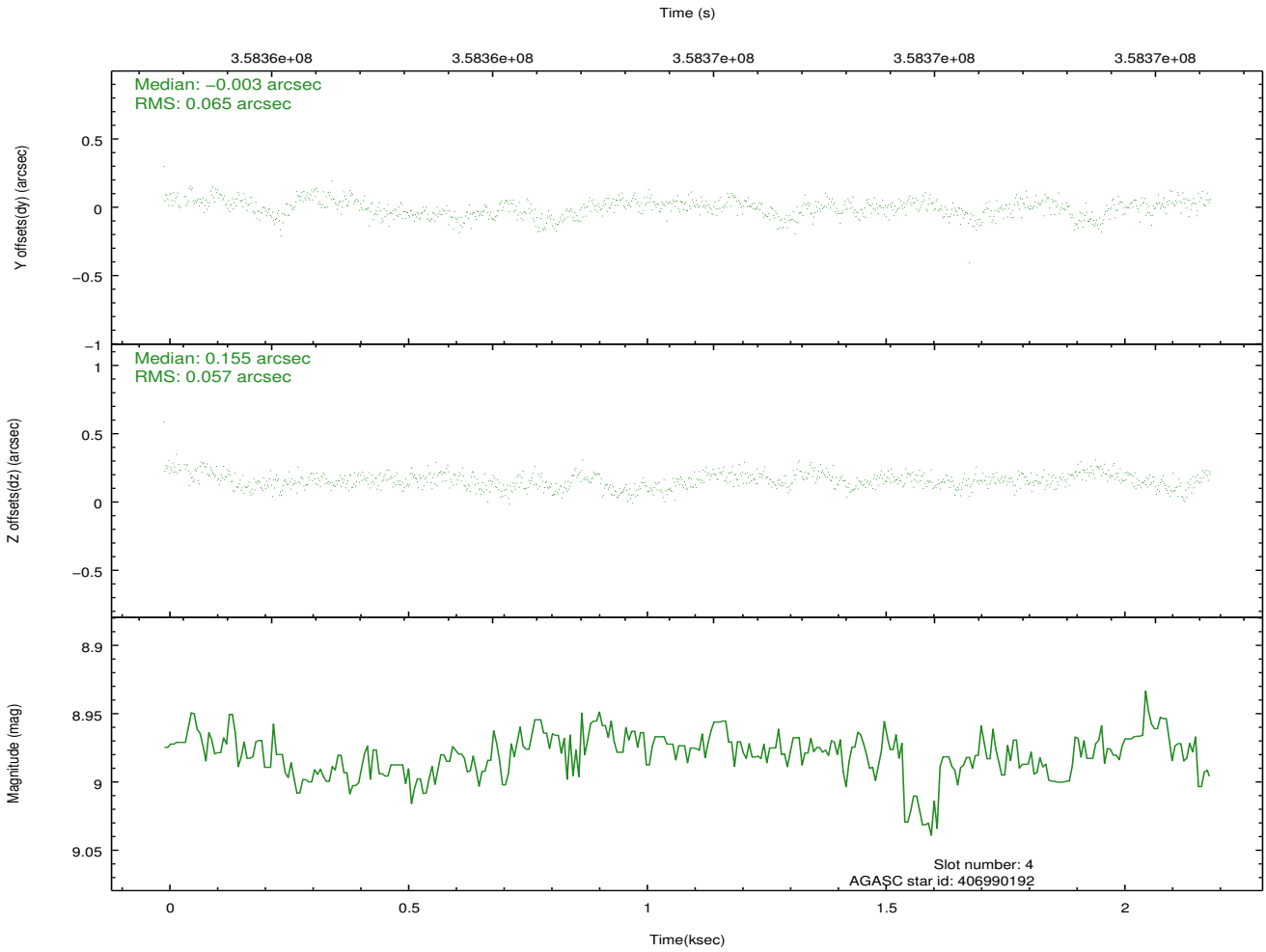
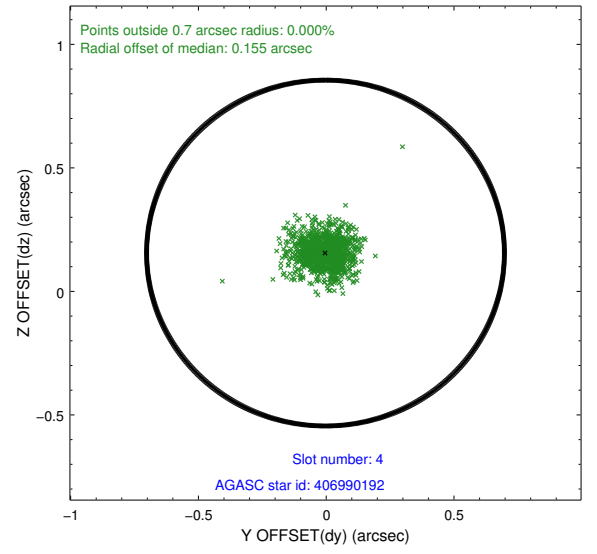
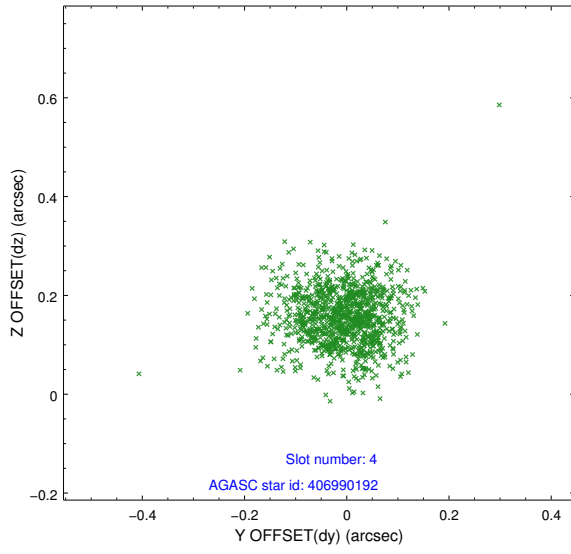
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	535	0.060	-0.184	0.008	0.014	0.000000	0.000000	-1169.50	-465.01
1	FID	HRC-S-2	7.01	535	0.225	-0.111	0.005	0.010	0.000000	0.000000	1228.14	-458.46
2	FID	HRC-S-3	7.03	535	0.105	-0.008	0.007	0.013	0.000000	0.000000	-1169.87	563.83
3	GUIDE	406983600	8.91	1070	-0.059	0.259	0.092	0.154	279.940957	39.020708	995.09	-2020.40
4	GUIDE	406990192	8.98	1067	-0.003	0.155	0.087	0.152	278.510952	38.533654	2159.66	2200.36
5	GUIDE	406992968	7.64	1070	0.114	0.068	0.079	0.119	279.925490	37.993090	-1867.13	321.09
6	GUIDE	406993992	7.63	1070	0.048	-0.222	0.072	0.112	279.053714	38.034587	-205.26	2151.62
7	GUIDE	406987272	6.93	1069	-0.099	-0.271	0.070	0.110	278.536588	38.437504	1845.70	2367.81

2.4 Star Slots

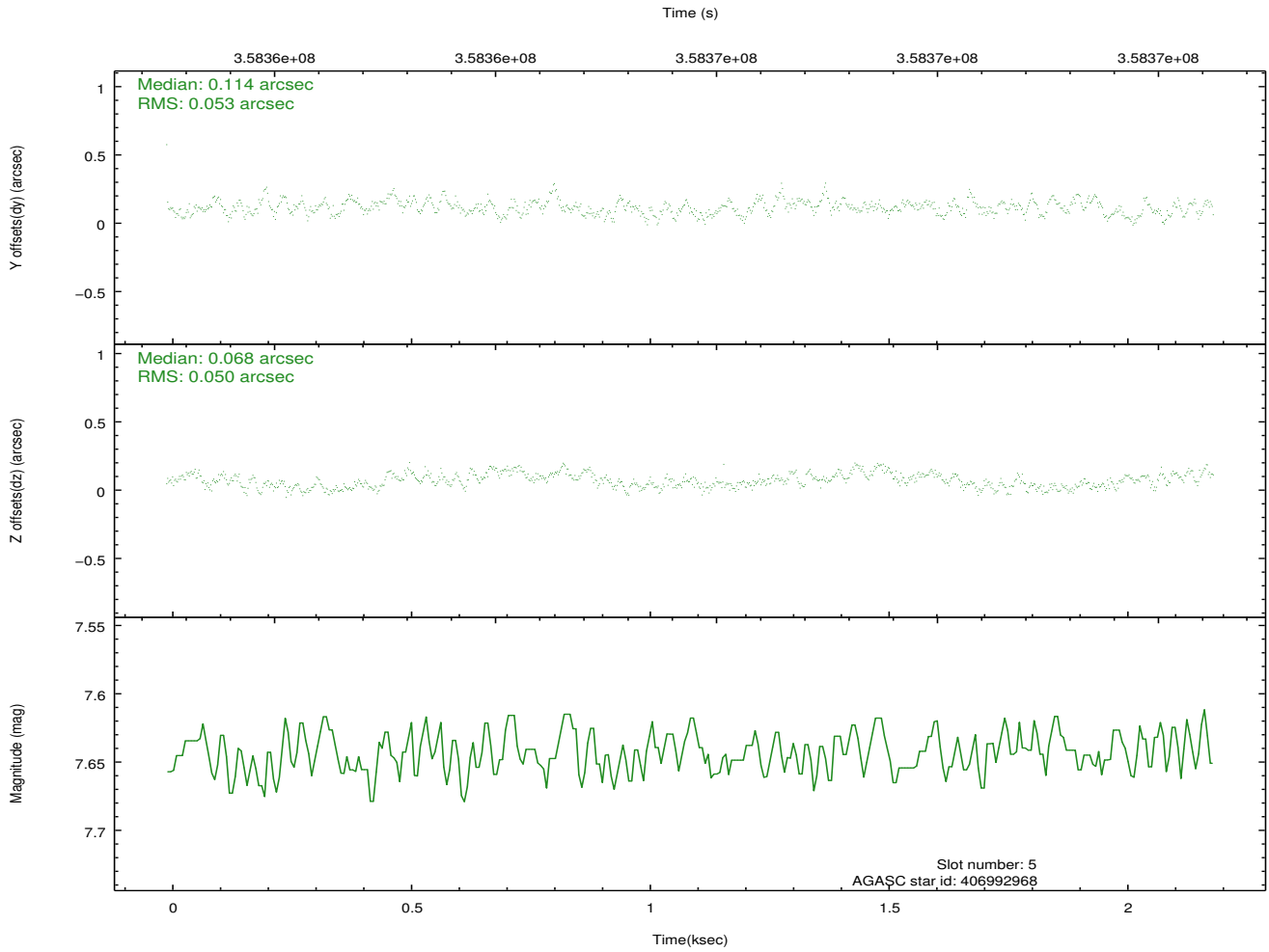
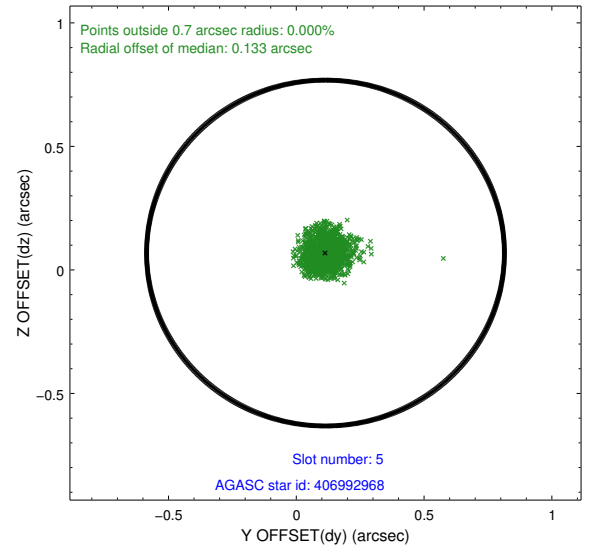
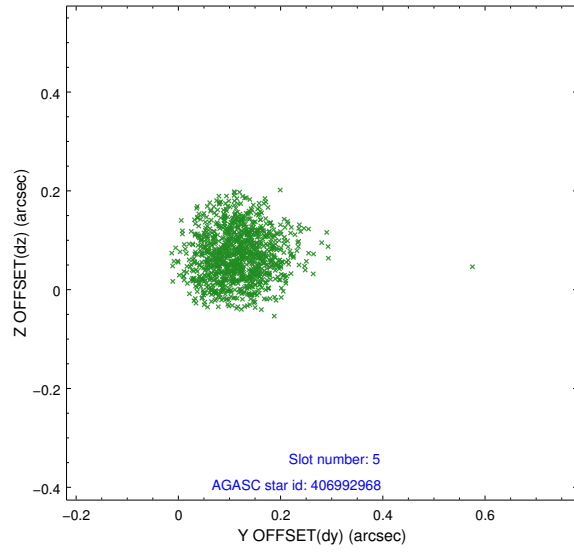
2.4.1 Slot 3



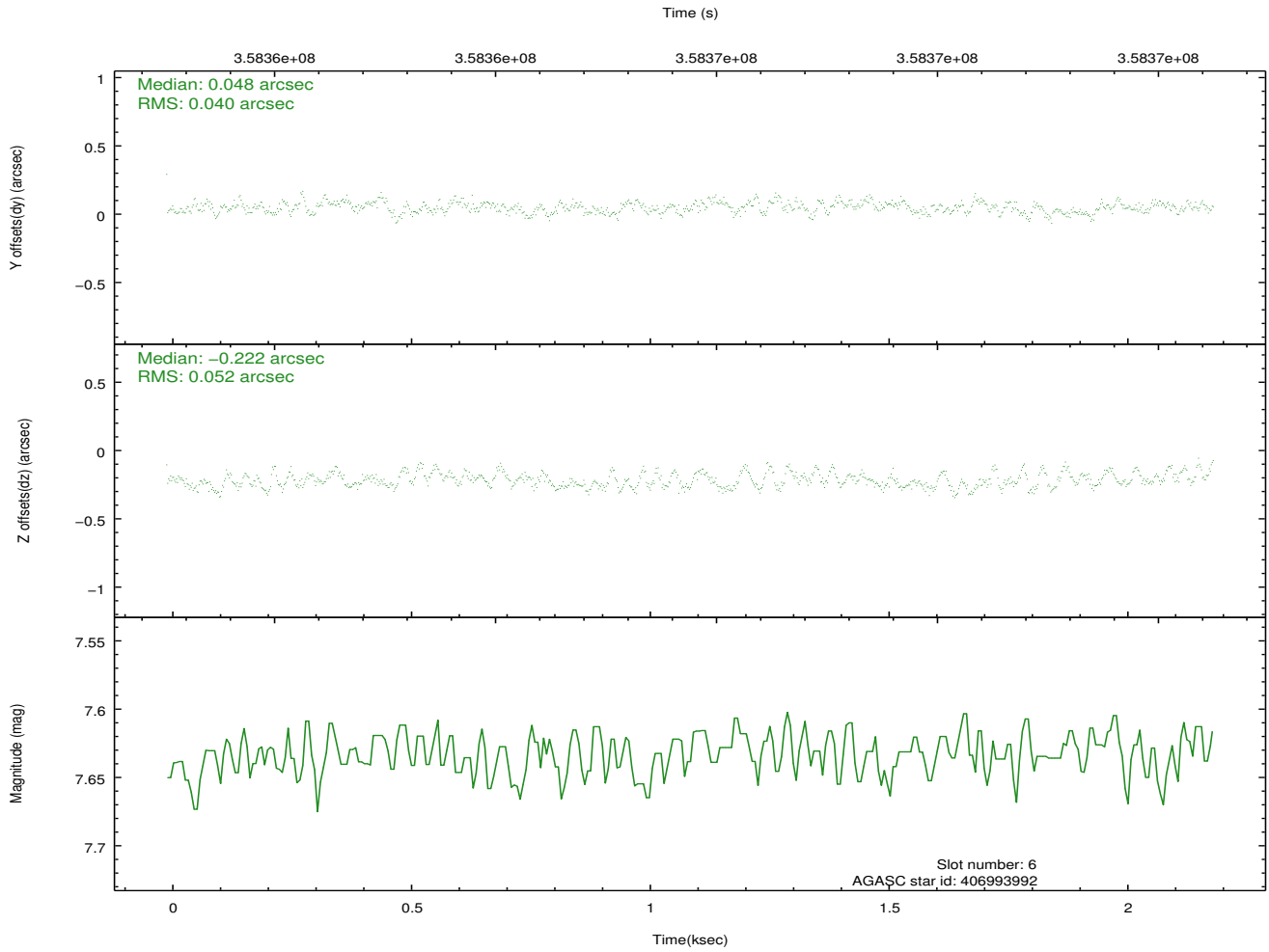
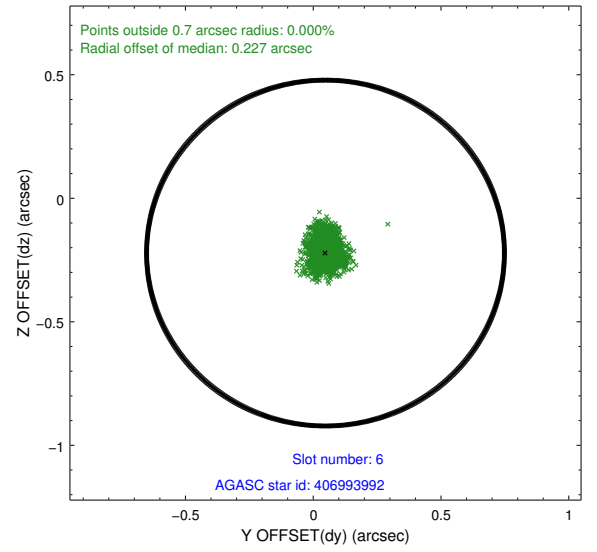
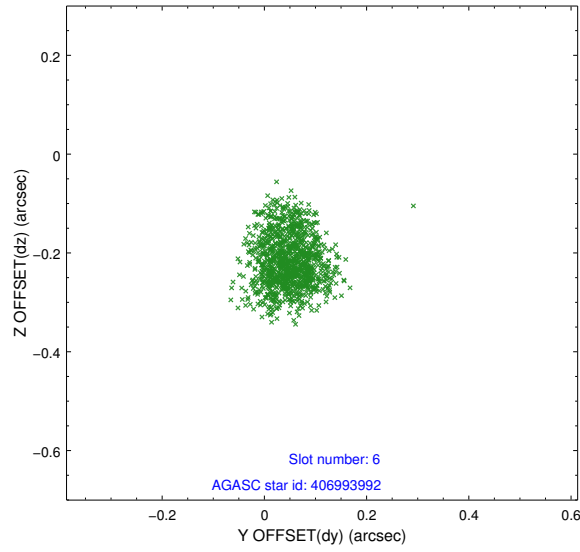
2.4.2 Slot 4



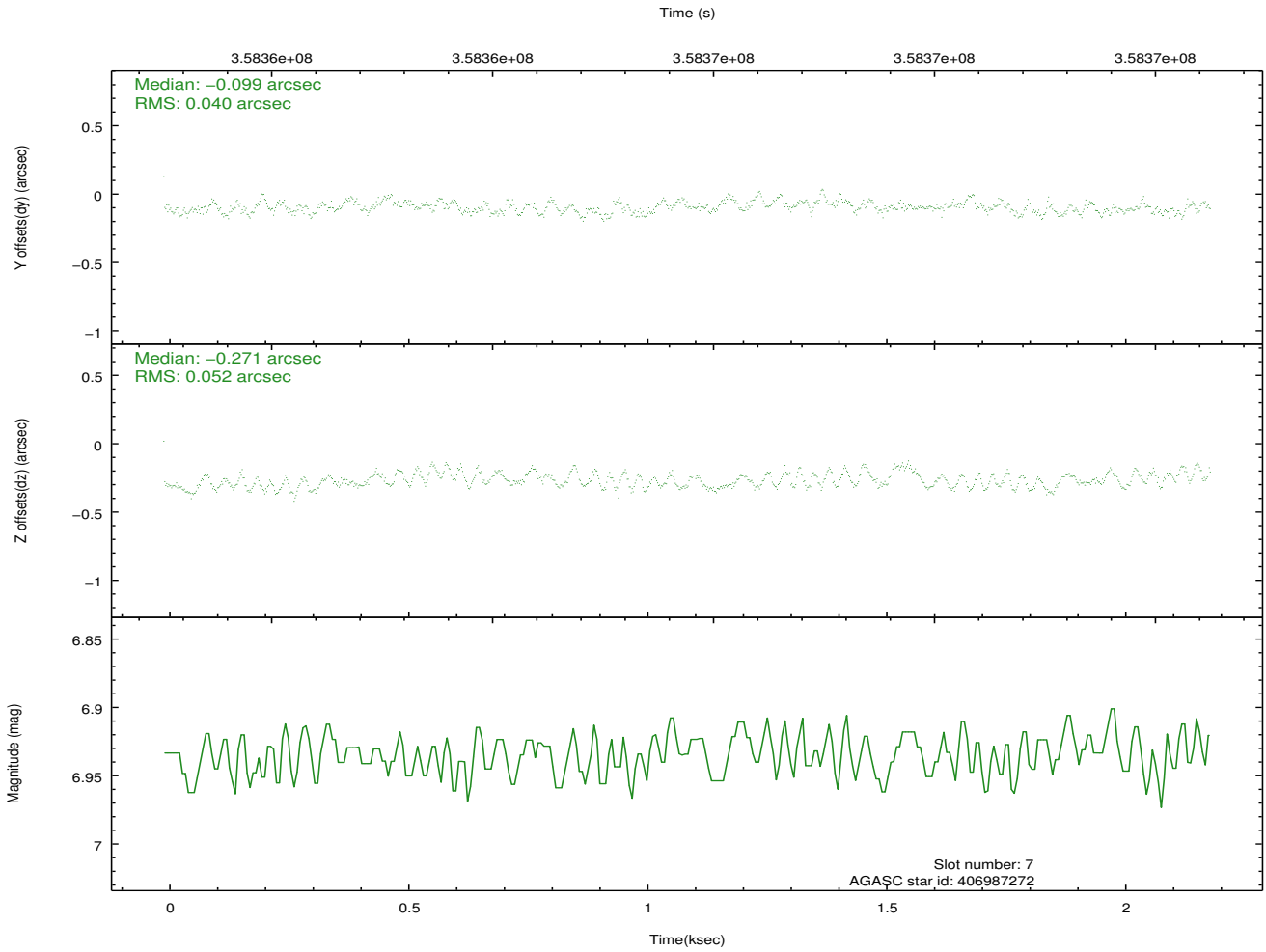
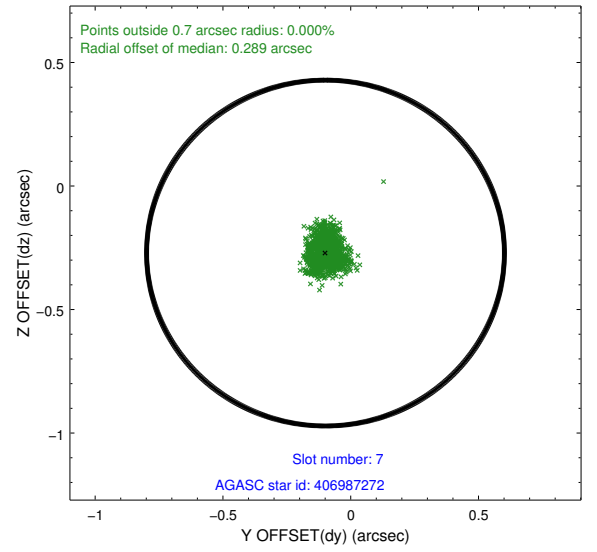
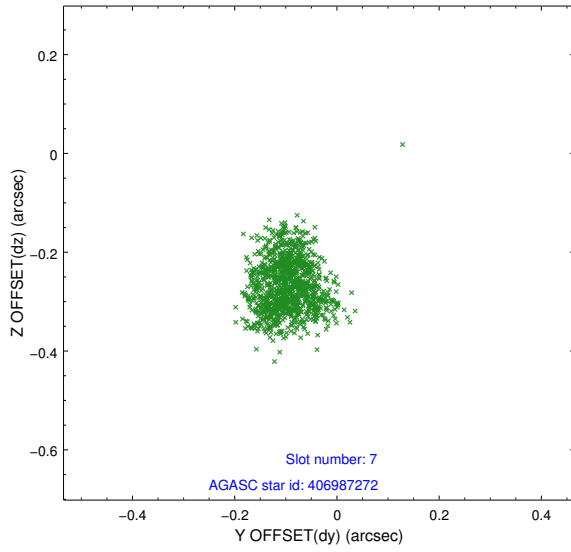
2.4.3 Slot 5



2.4.4 Slot 6

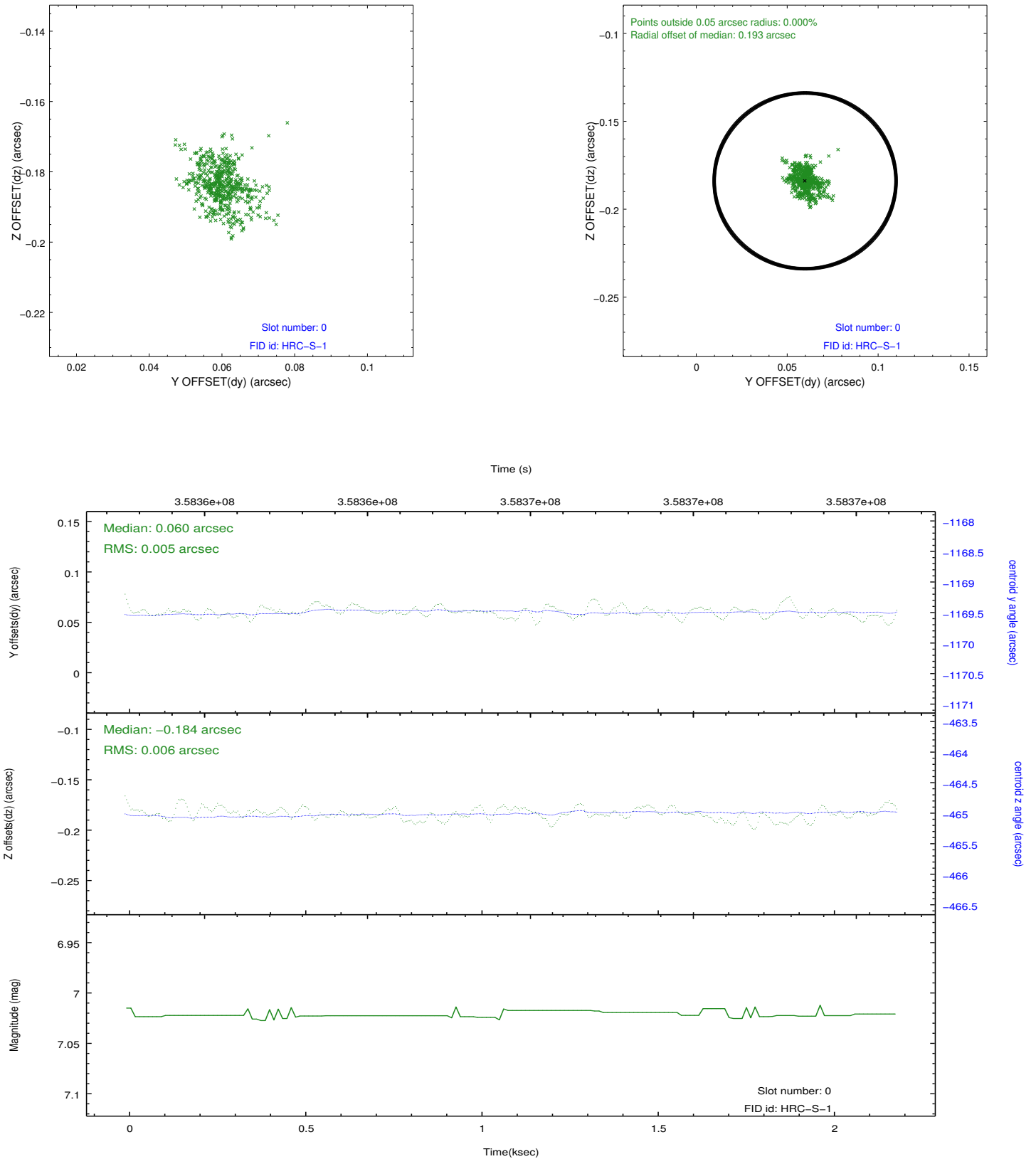


2.4.5 Slot 7

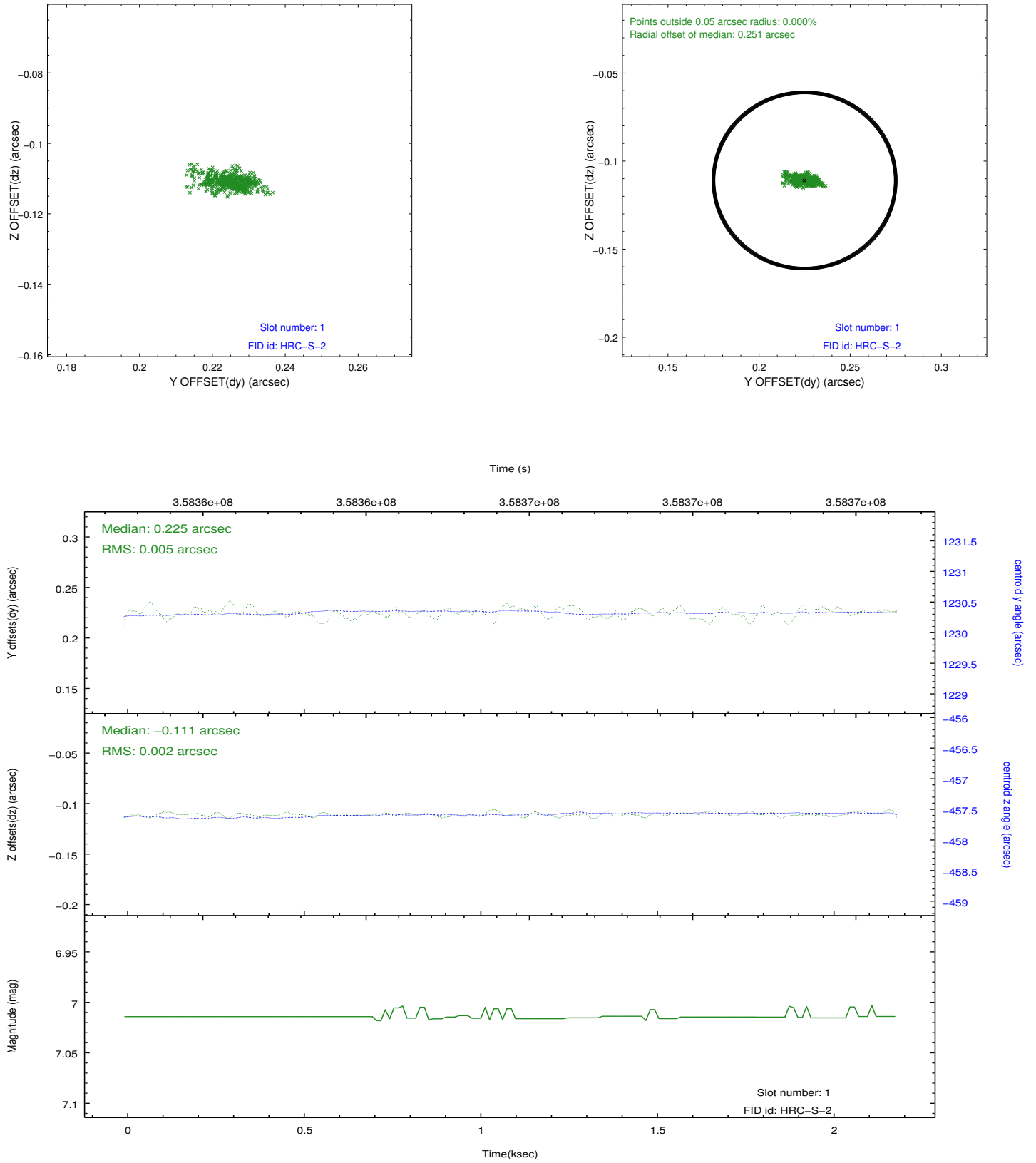


2.5 FID Slots

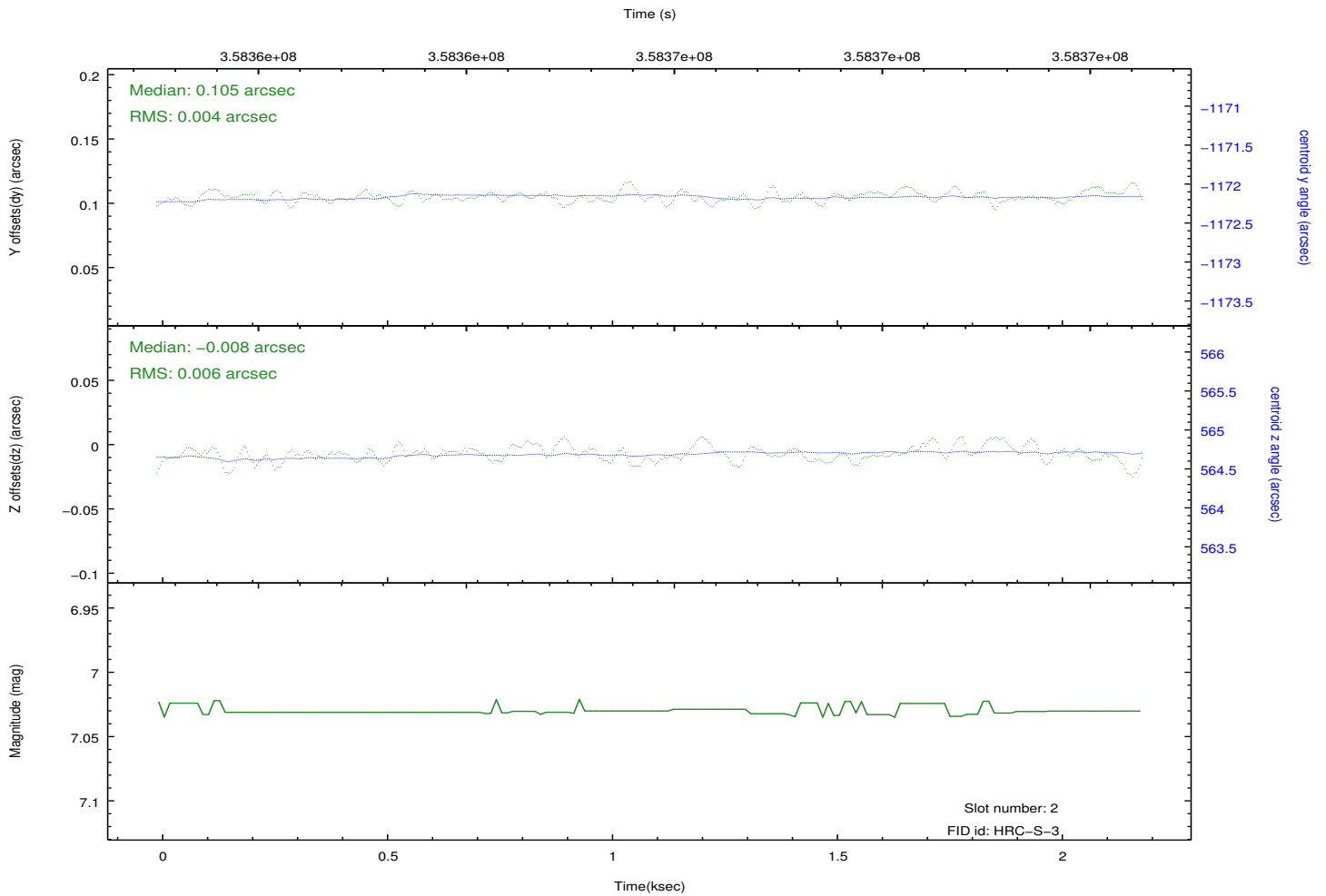
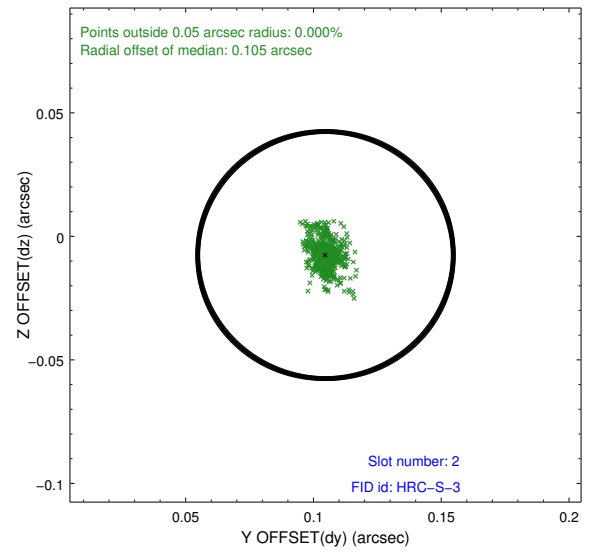
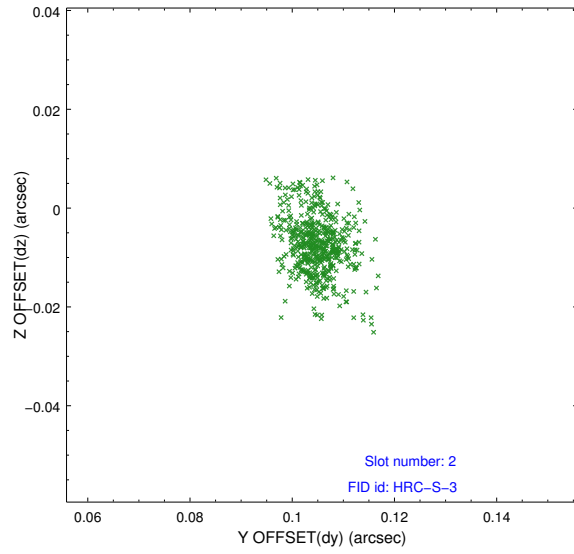
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1894001

A.2 Comments

Window constraint met.