

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9635 - L2 Version 3
Chandra X-Ray Center

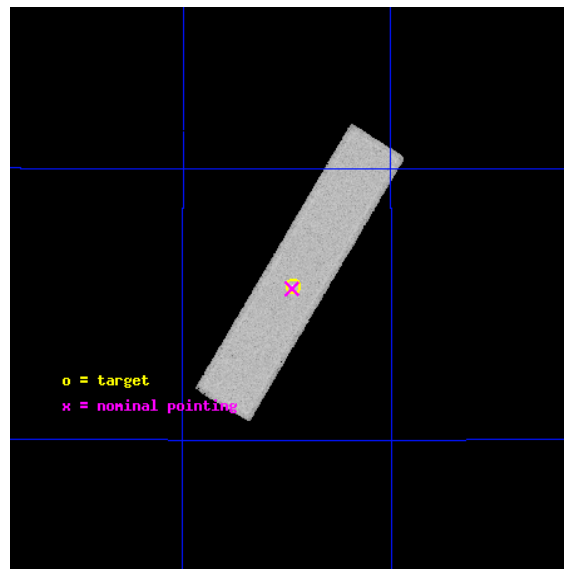
L2 Processing Date : Aug 12 2012

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	290758	Sequence number
obs_id	9635	Observation id
title	AO9 Measurements of the optical/UV Transmission of the HRC Filters.	
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	279.23830194782	Nominal RA [deg]
dec_nom	38.779753464018	Nominal Dec [deg]
roll_nom	300.74074209529	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2156.8563563824	[s]
livetime	2138.0720537062	Ontime multiplied by DTCOR
l2events	131238	Number of level 2 events

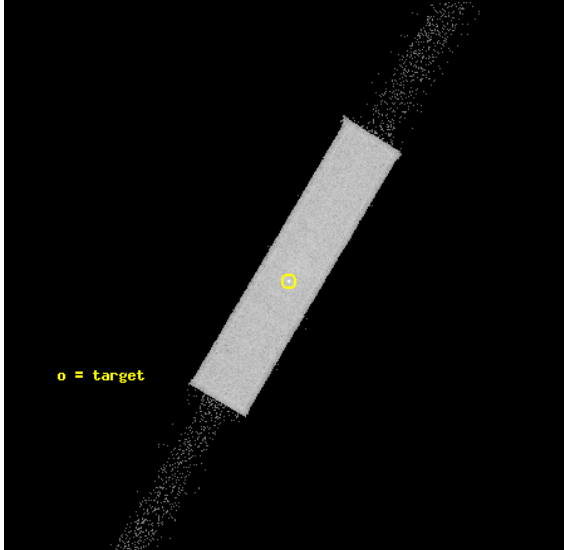


2 OBI

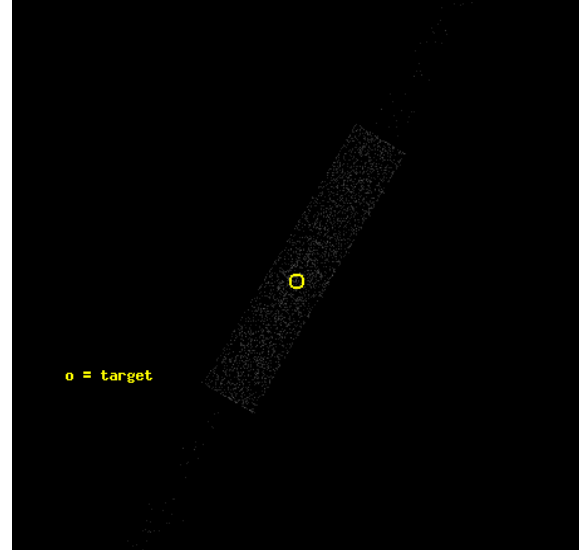
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2156.8563563824	[s]
caldbver	4.5.1.1	 	l1events	171797	Number of level 1 events
date	2012-08-12T22:17:10	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

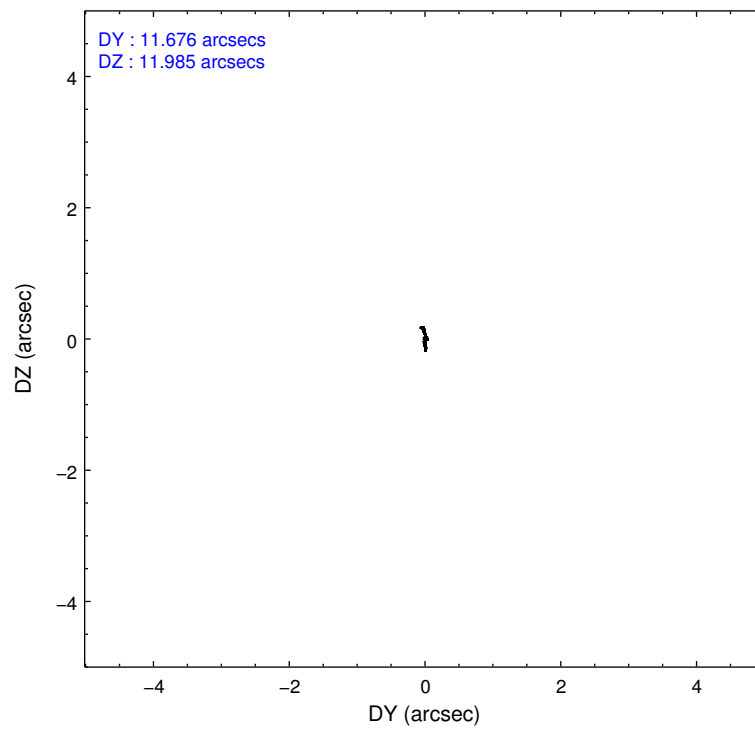
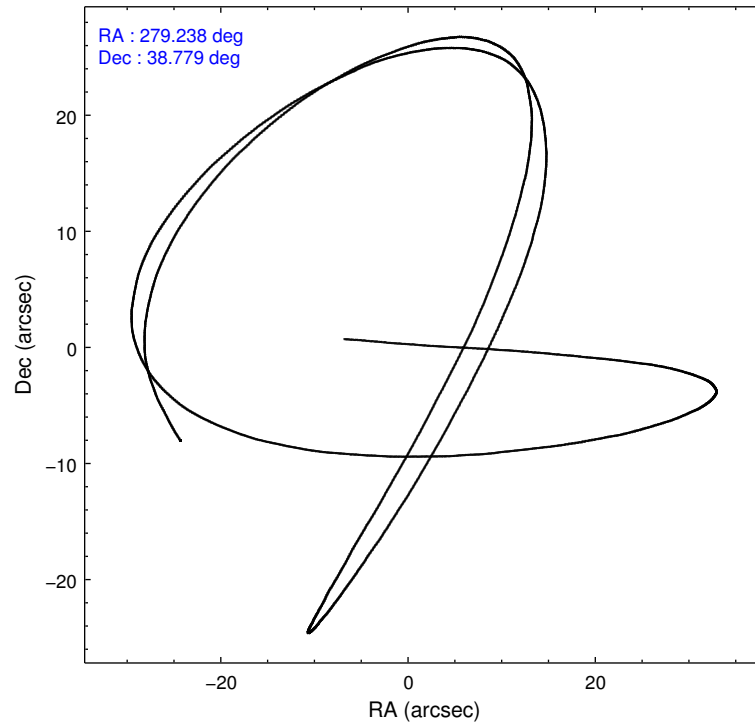
Level 1 Events

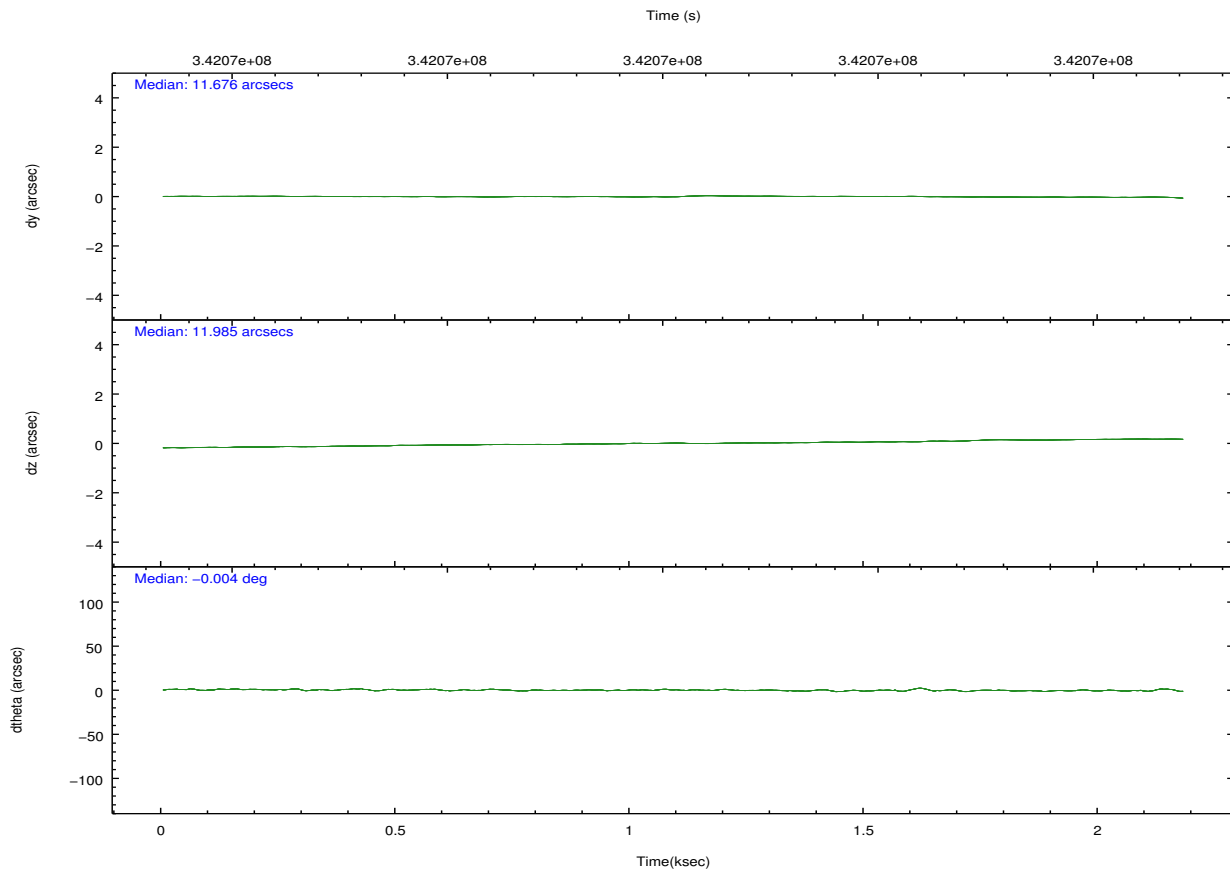
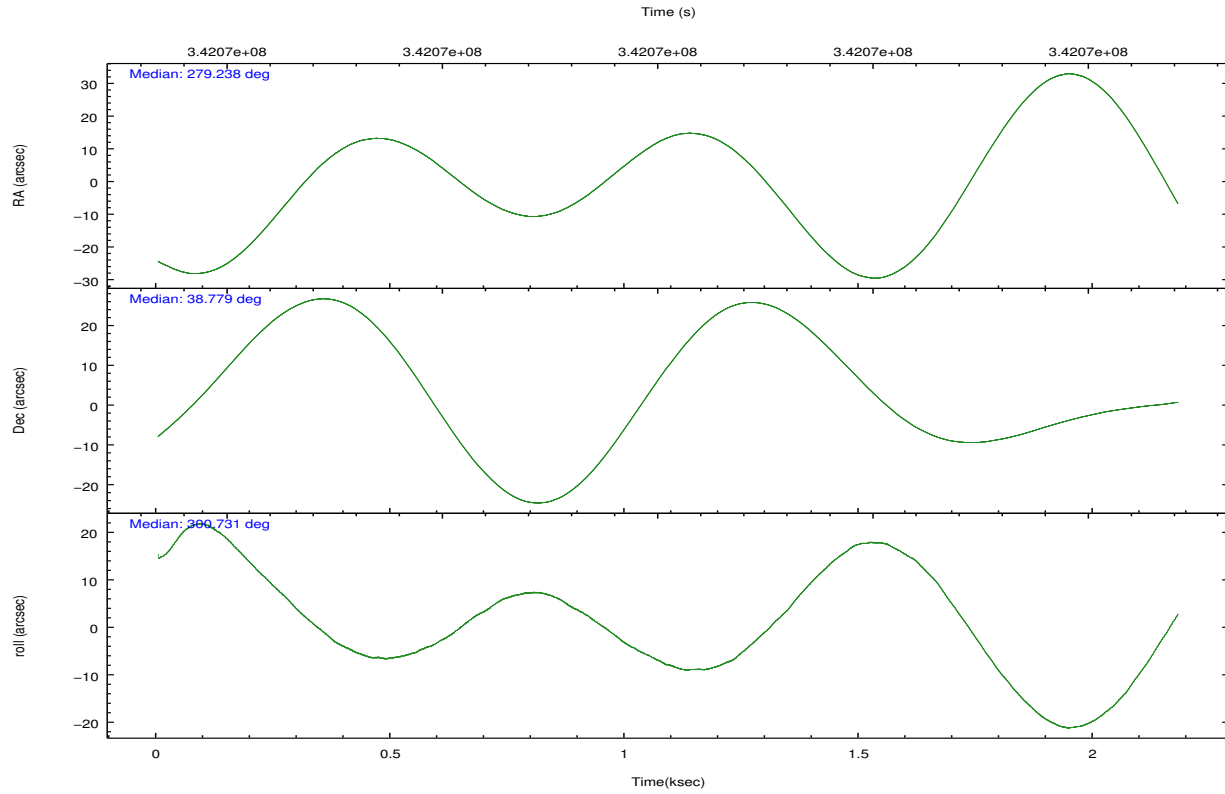
	segment 1	segment 2	segment 3
level 1 events	1074	169668	1055
rejected events	1074	11602	1055
rejected %	100%	6%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	279.205064	279.2383019478225			
[deg] Pointing Dec	38.792406	38.77975346401793			
[deg] Pointing Roll	300.694239	300.7407420952886			
[s] Window start time (MET)	336614465.184000	336614465.184000			
[s] Window stop time (MET)	344390465.184000	344390465.184000			
[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)	342068120.184000	342067741.8589			
Observation start date	2008-11-03T02:54:15	2008-11-03T02:49:01			
[s] Observation end time (MET)	342070120.184000	342070254.64652			
Observation end date	2008-11-03T03:27:35	2008-11-03T03:30:54			

2.3 Aspect



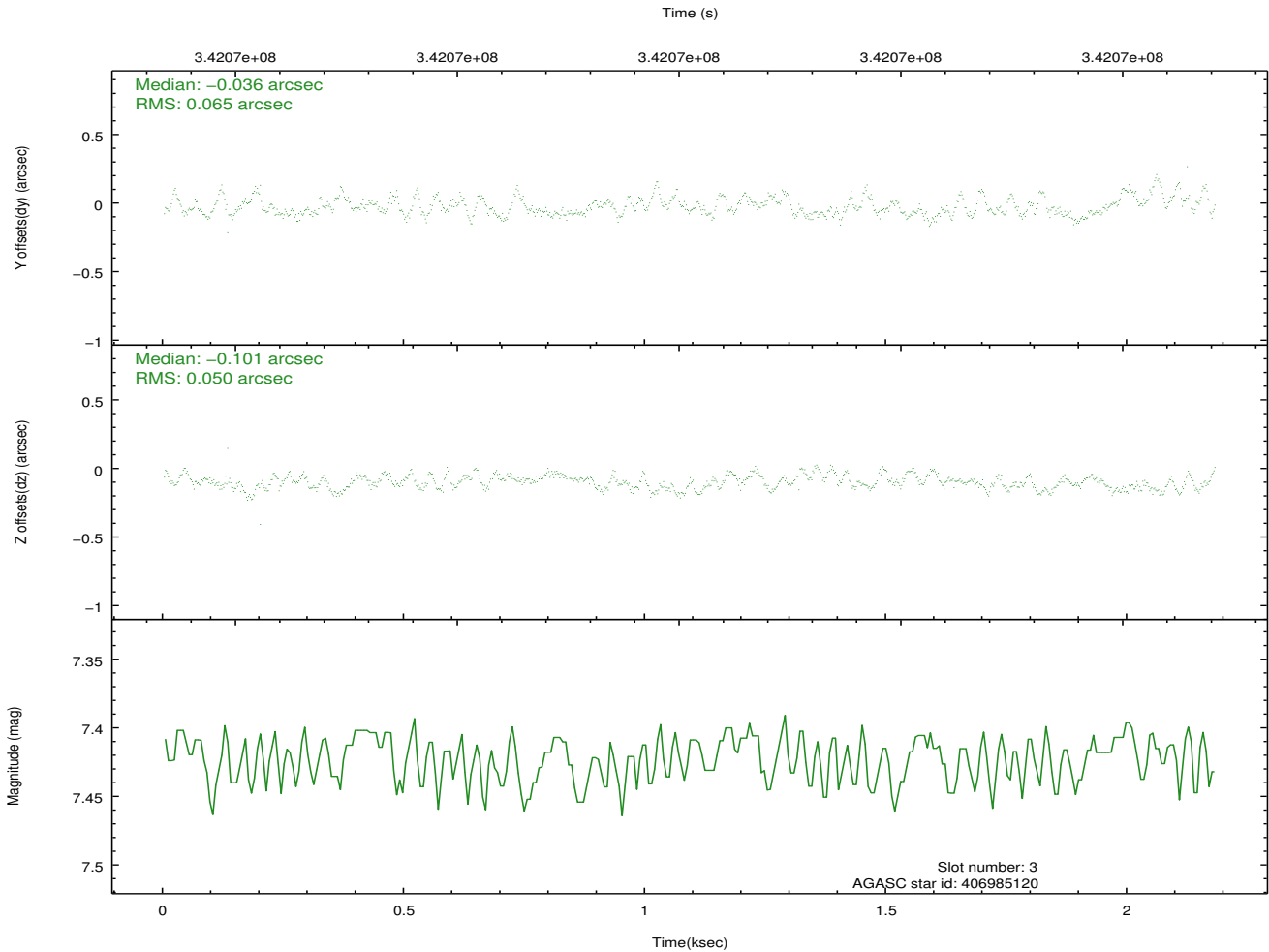
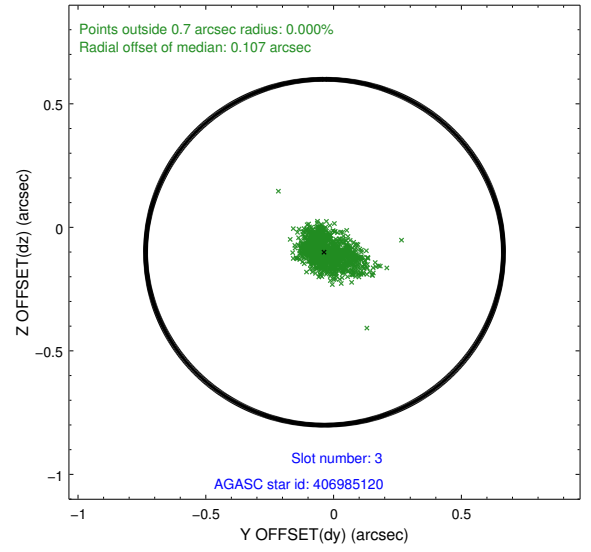
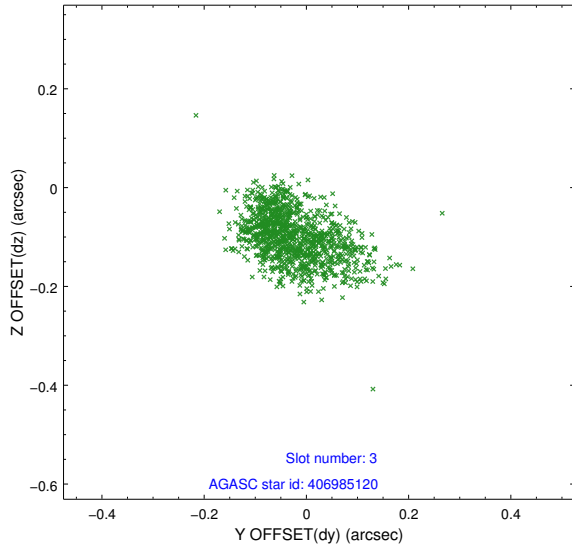


Slot Statistics

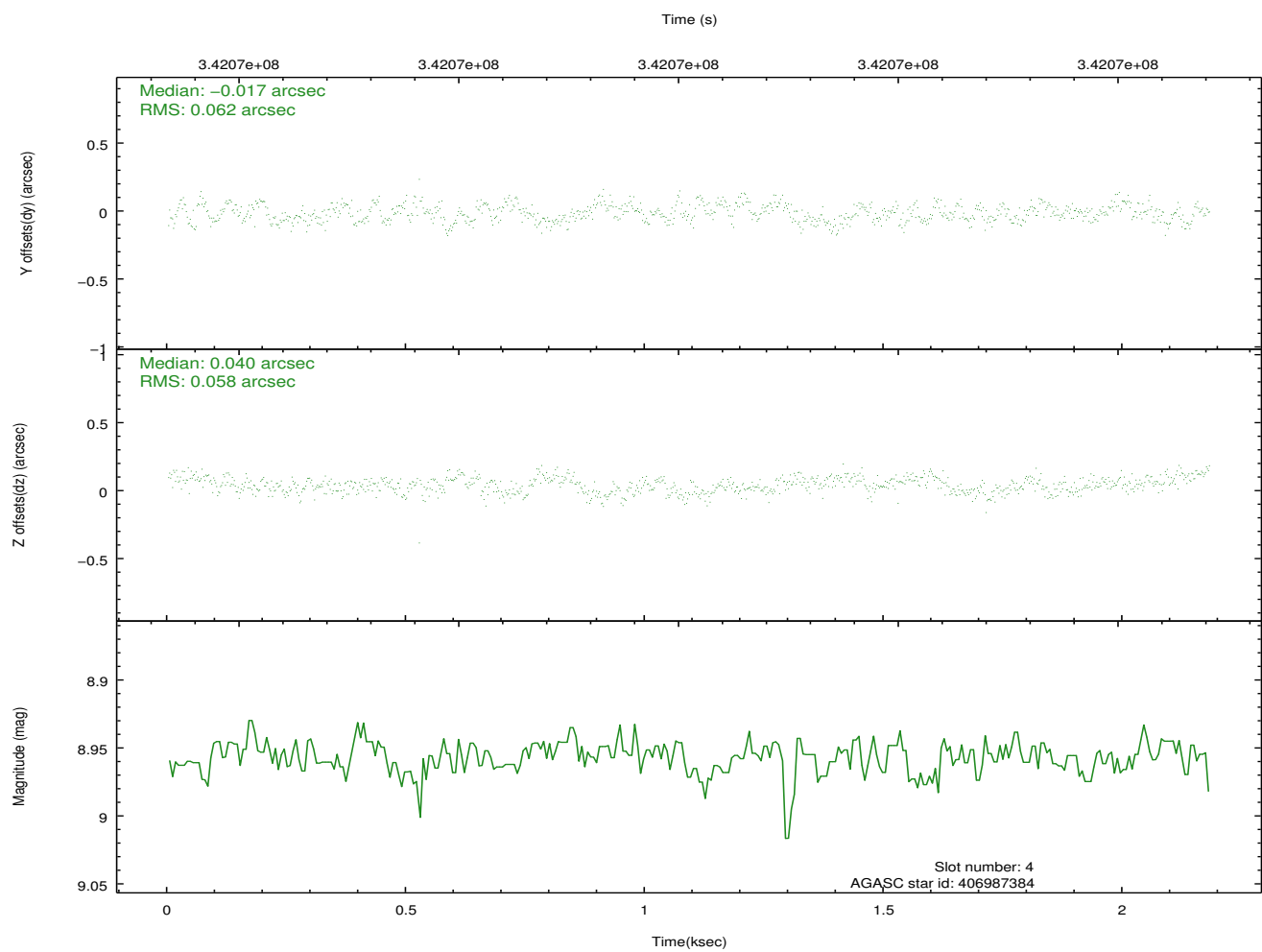
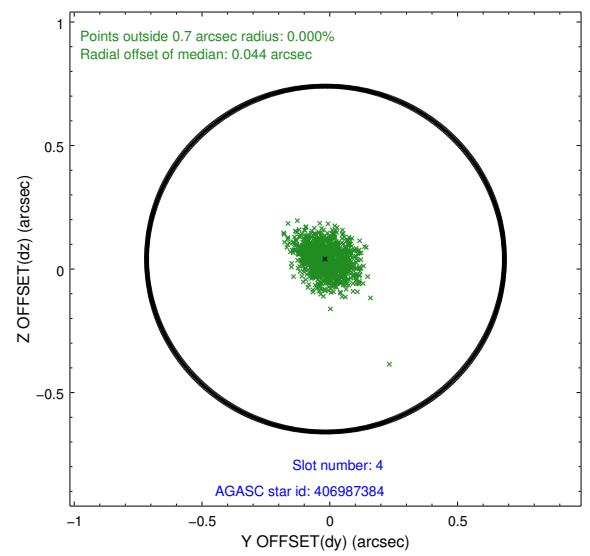
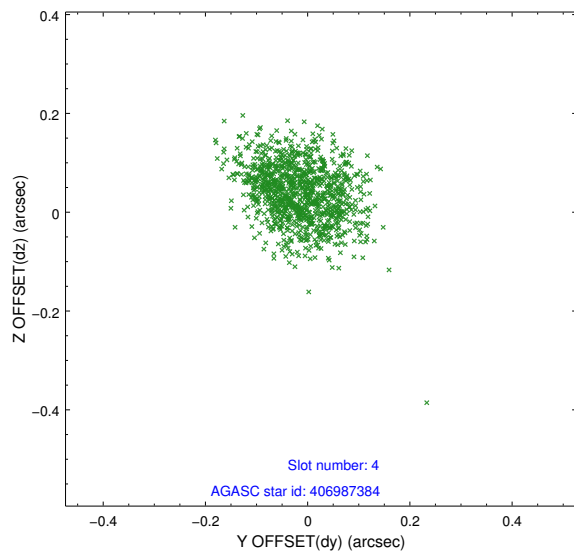
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.06	532	0.067	-0.133	0.008	0.013	0.000000	0.000000	-1165.99	-460.73
1	FID	HRC-S-2	7.04	532	0.249	-0.124	0.005	0.010	0.000000	0.000000	1231.66	-454.19
2	FID	HRC-S-3	7.05	532	0.074	-0.045	0.007	0.013	0.000000	0.000000	-1166.40	568.02
3	GUIDE	406985120	7.42	1064	-0.036	-0.101	0.084	0.143	278.839732	38.894839	-840.87	-691.68
4	GUIDE	406987384	8.96	1062	-0.017	0.040	0.089	0.142	278.815518	38.115336	1530.76	-2192.66
5	GUIDE	406989616	8.22	1064	0.111	0.044	0.068	0.110	279.202881	38.520843	839.57	-506.69
6	GUIDE	407521232	8.64	1062	0.027	-0.063	0.097	0.155	279.628883	39.431715	-1379.07	2188.32
7	GUIDE	406987272	6.94	1063	-0.100	0.079	0.062	0.100	278.536588	38.437504	129.42	-2267.91

2.4 Star Slots

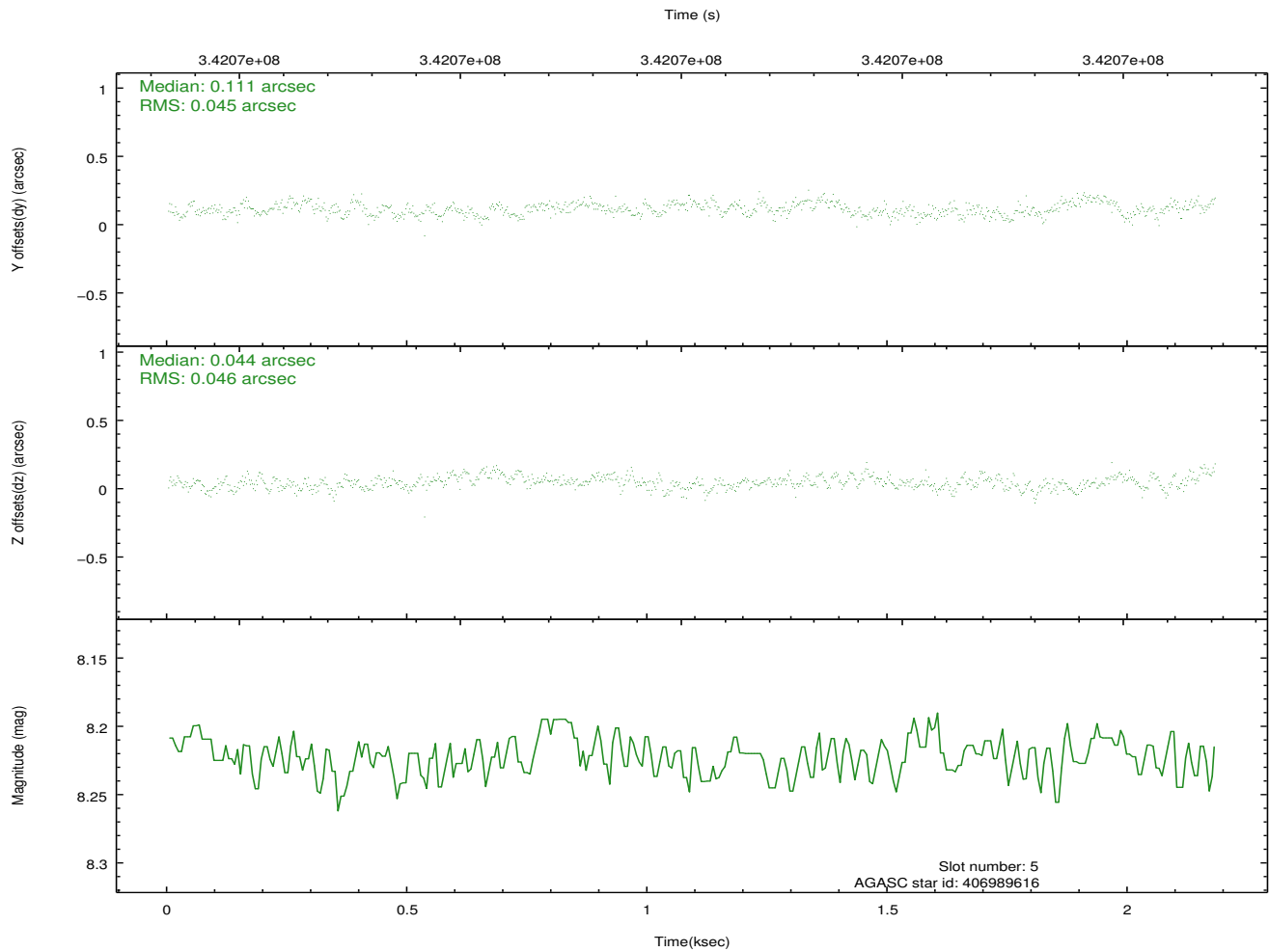
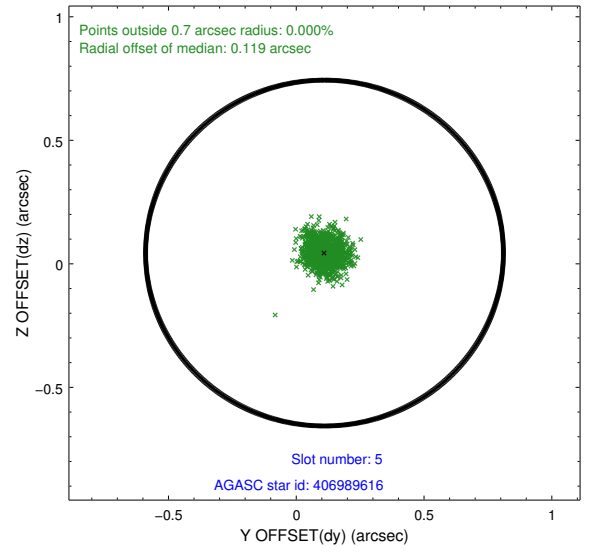
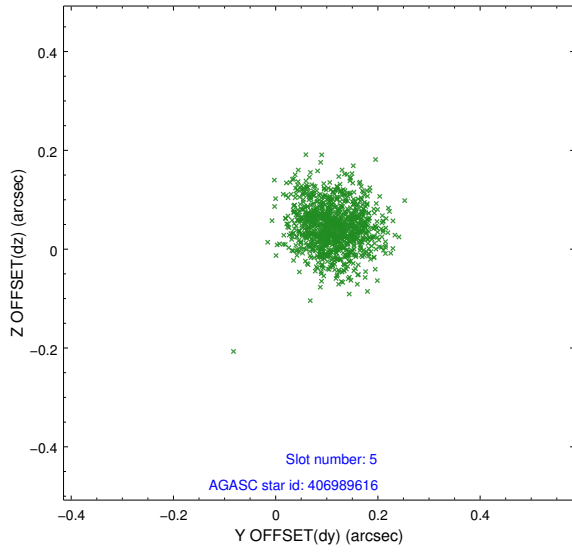
2.4.1 Slot 3



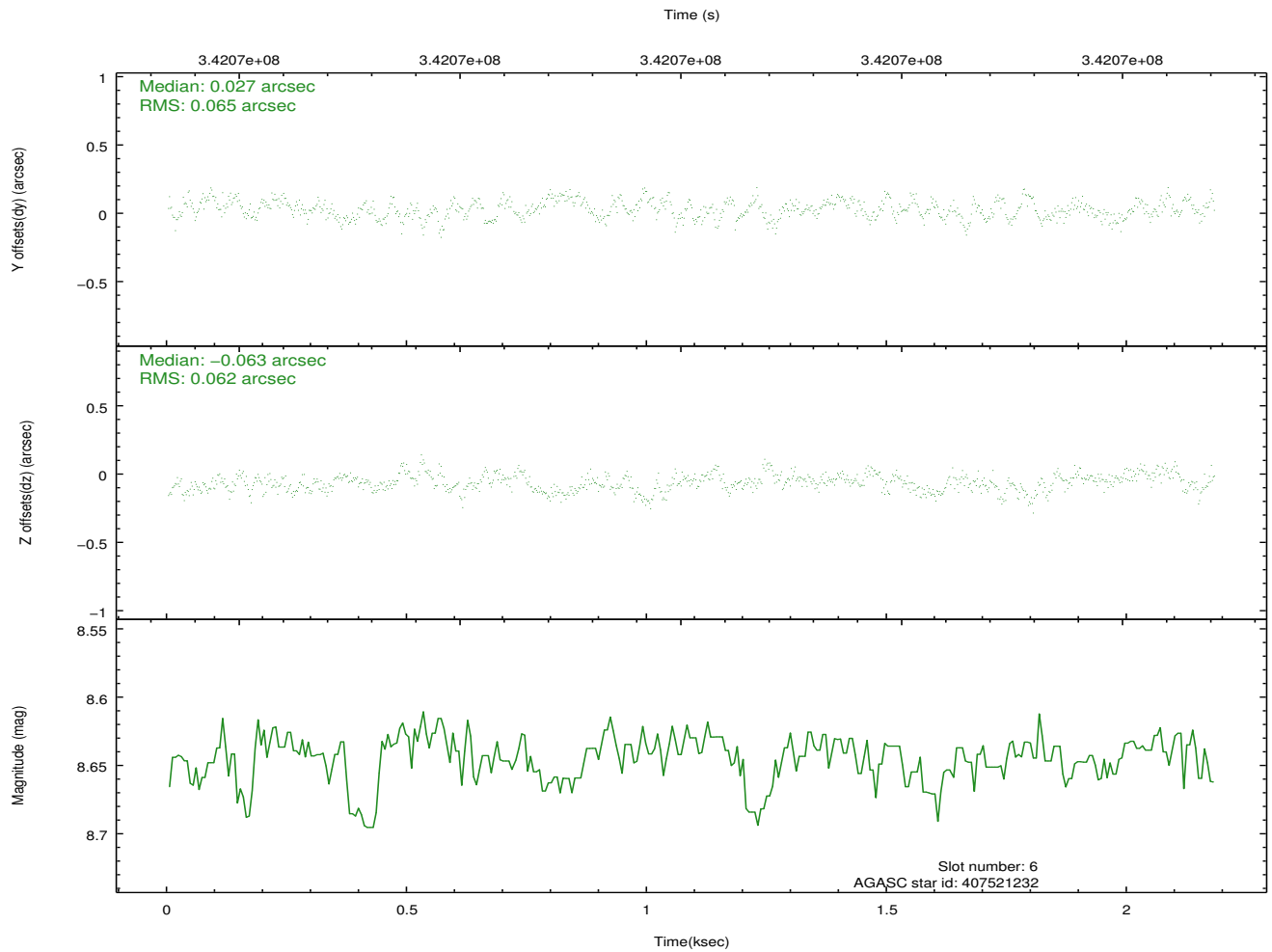
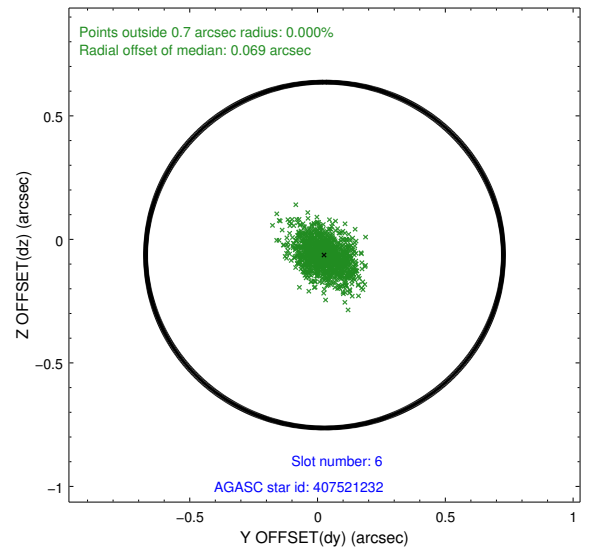
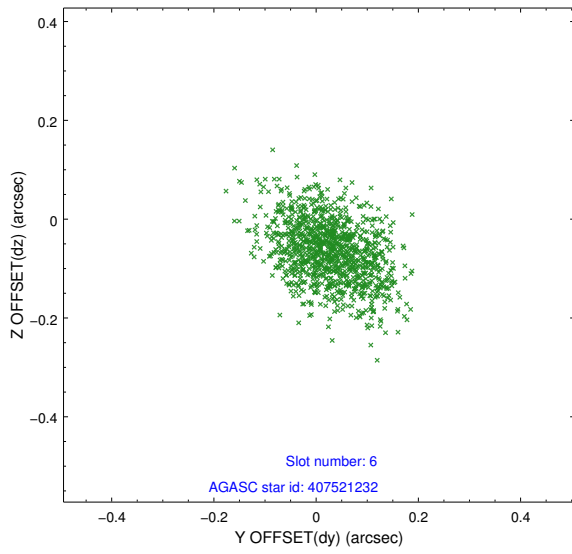
2.4.2 Slot 4



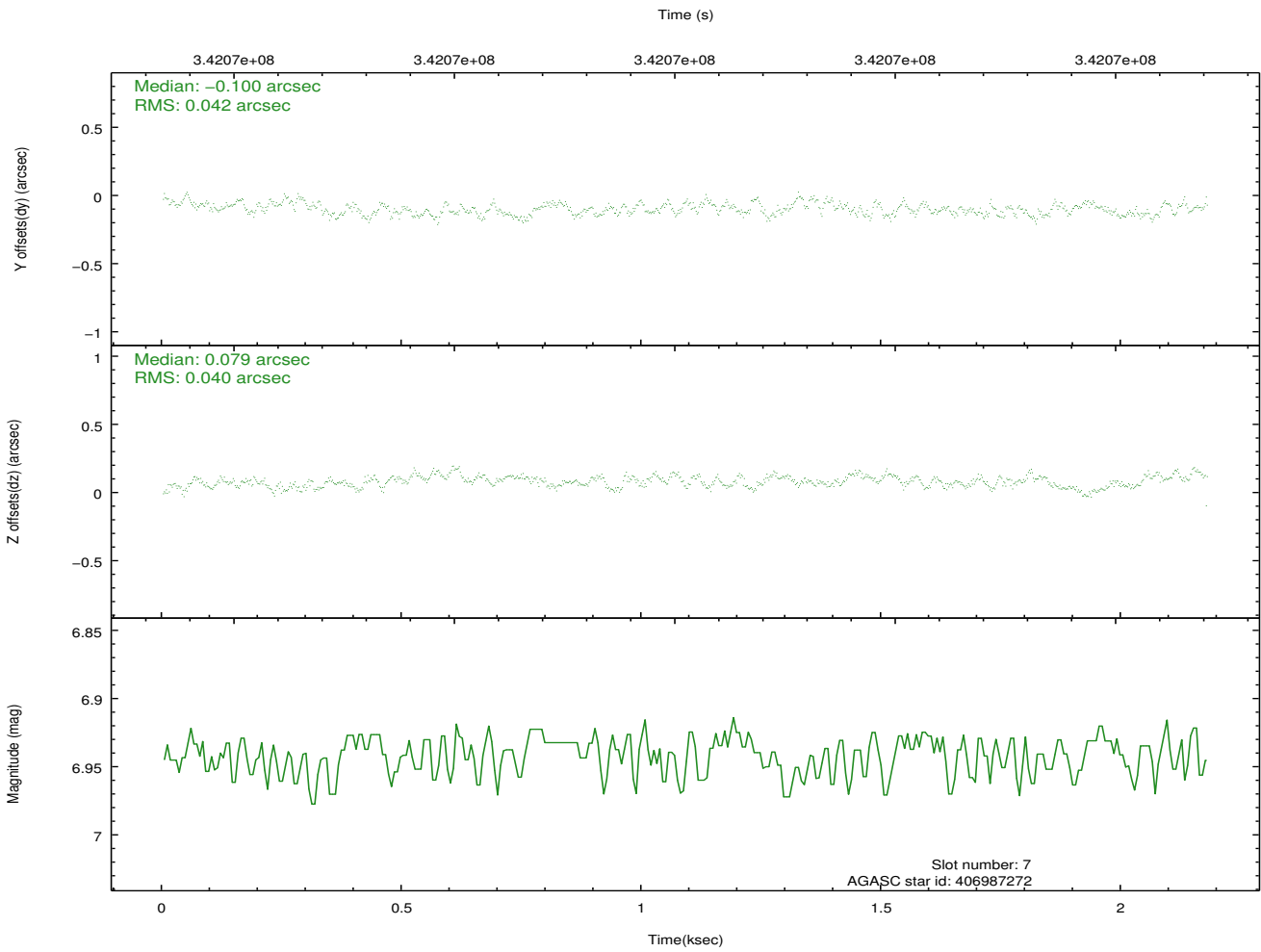
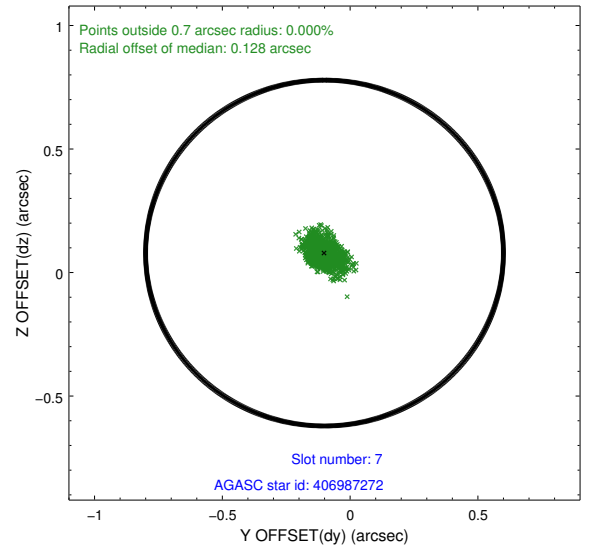
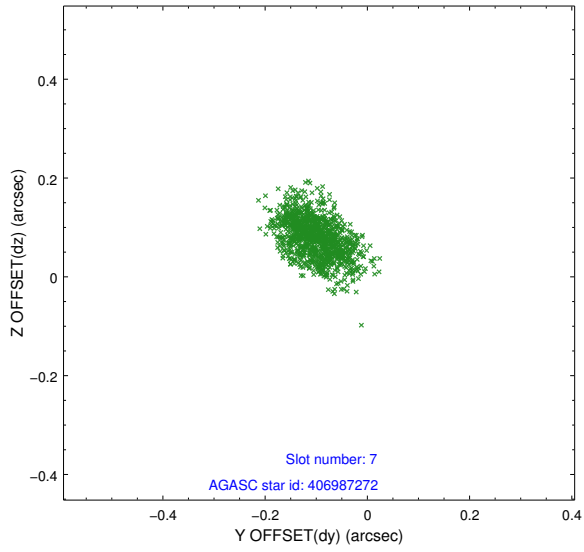
2.4.3 Slot 5



2.4.4 Slot 6

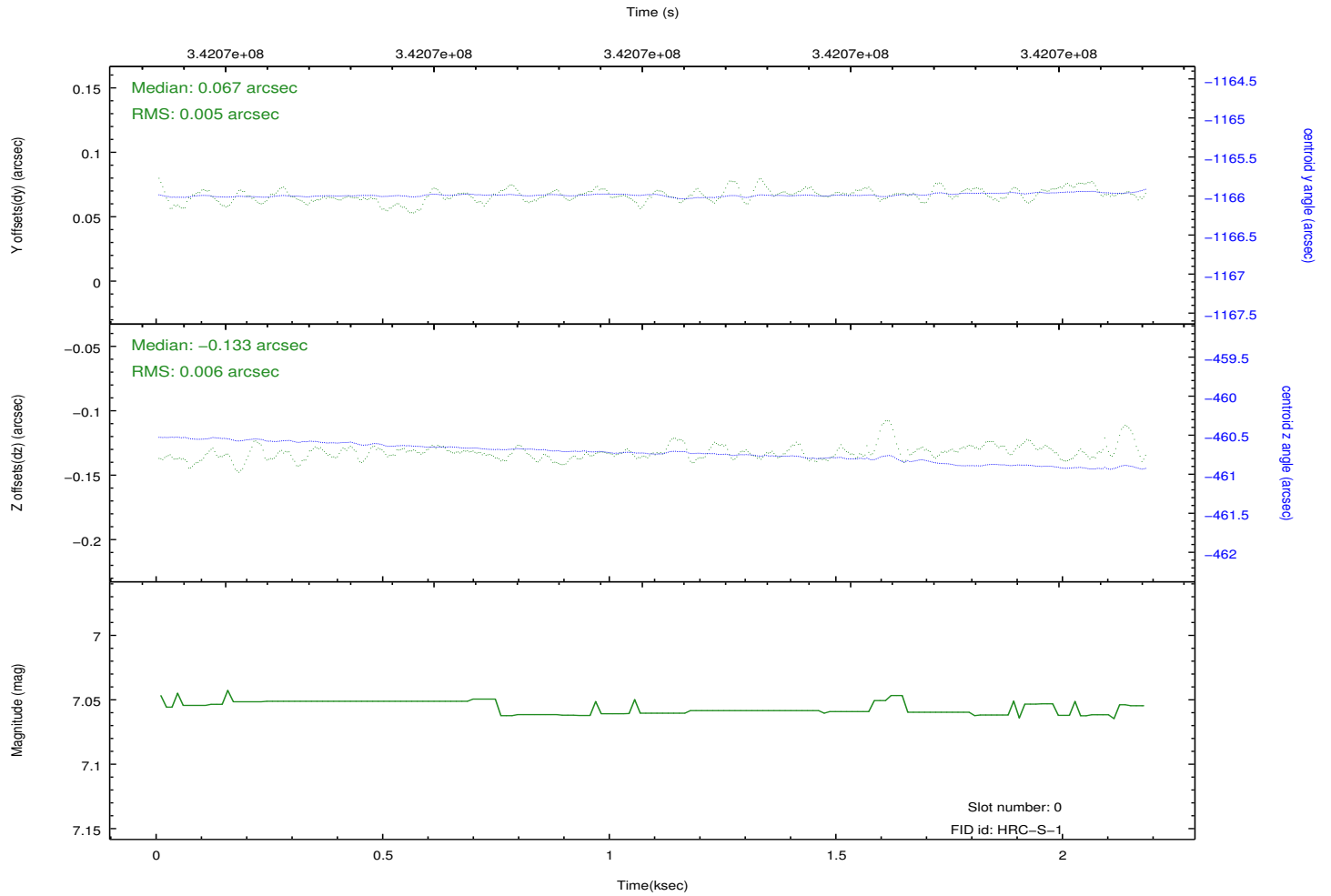
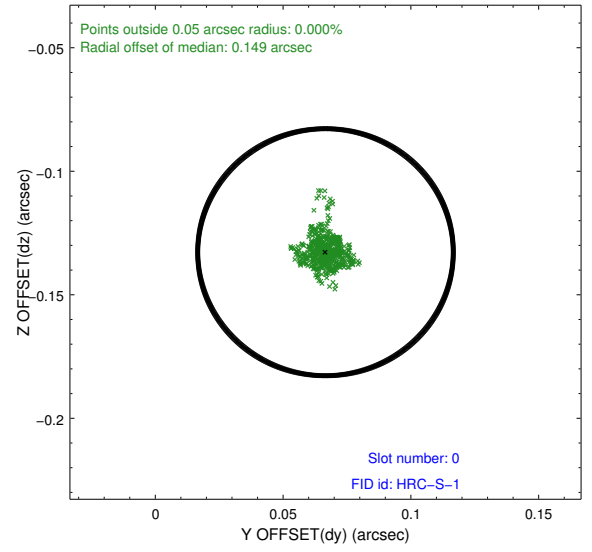
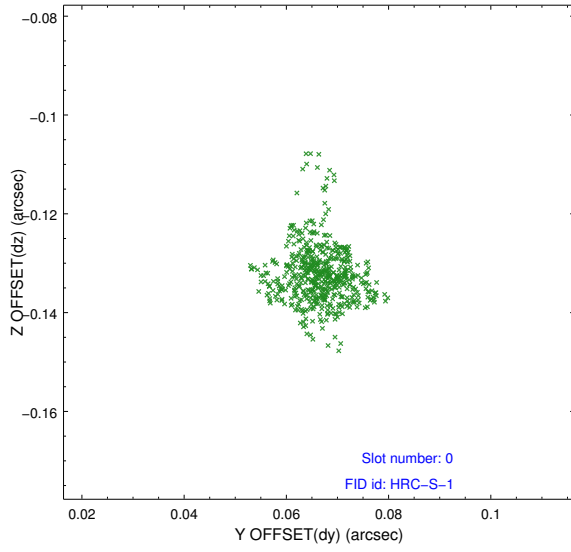


2.4.5 Slot 7

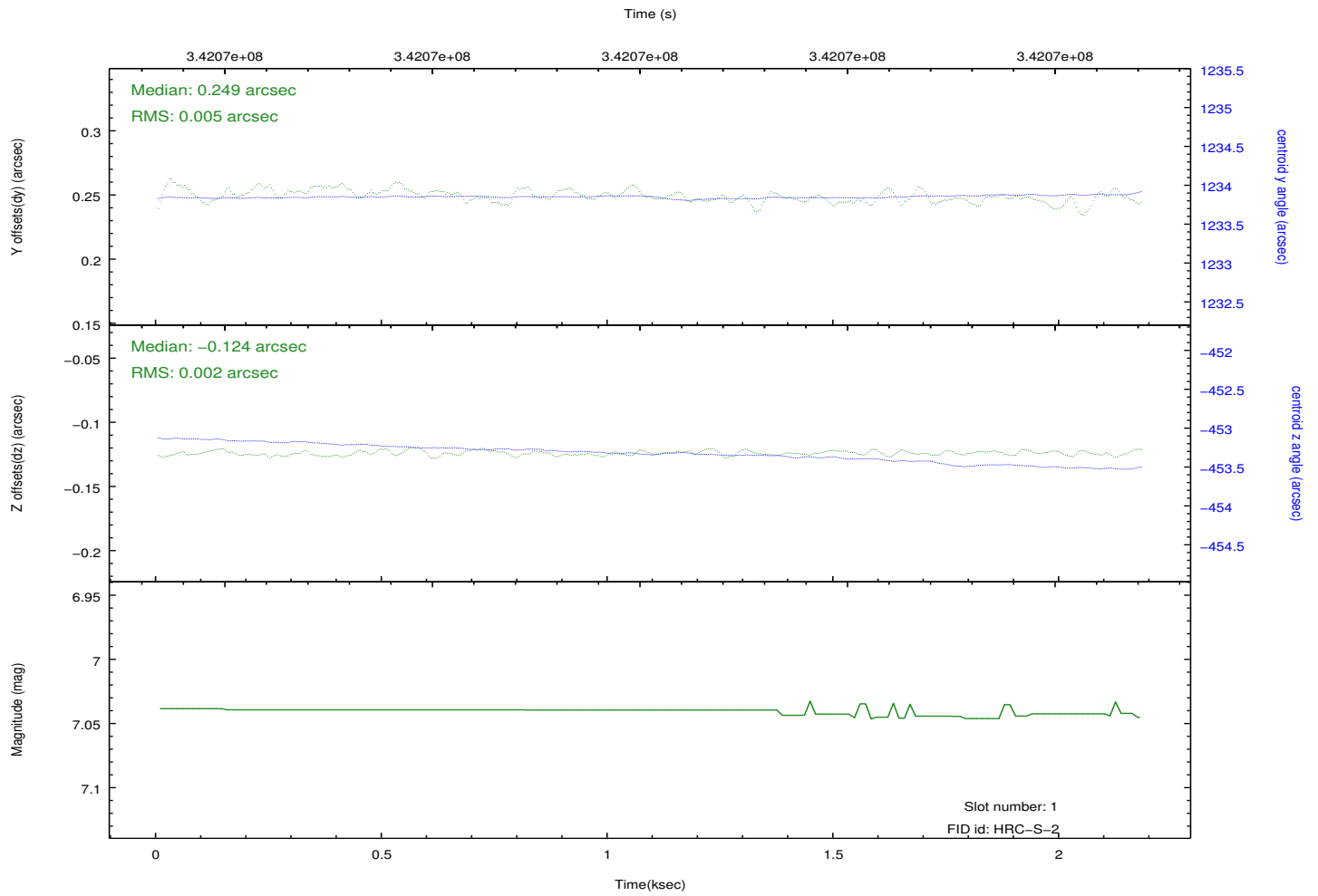
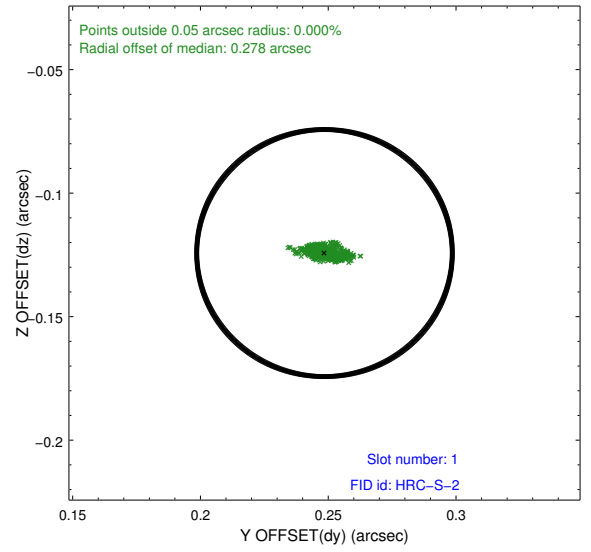
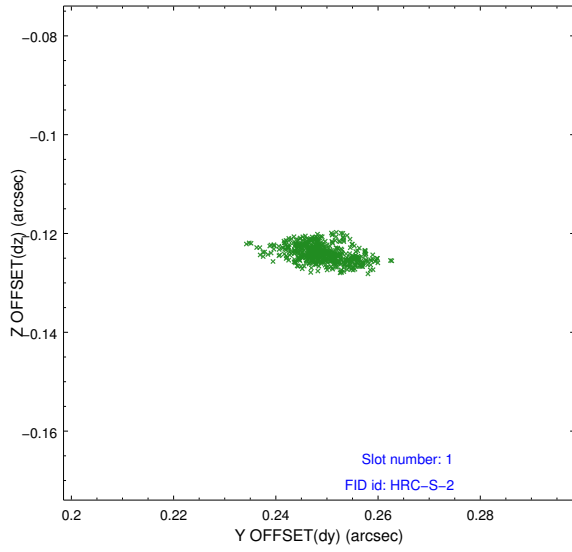


2.5 FID Slots

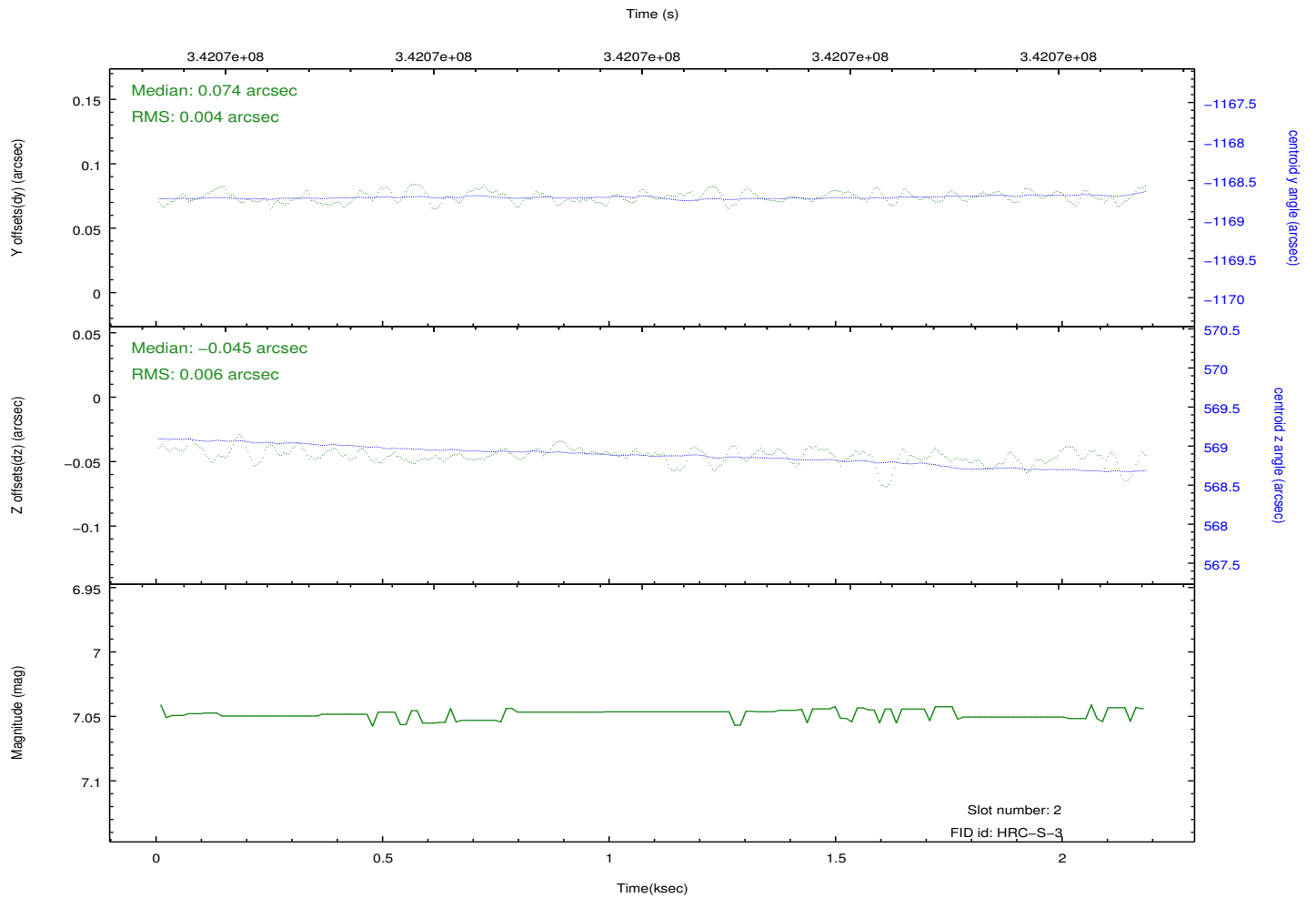
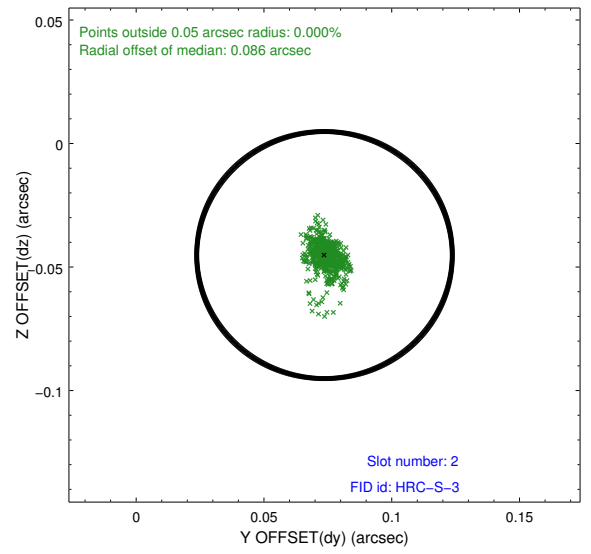
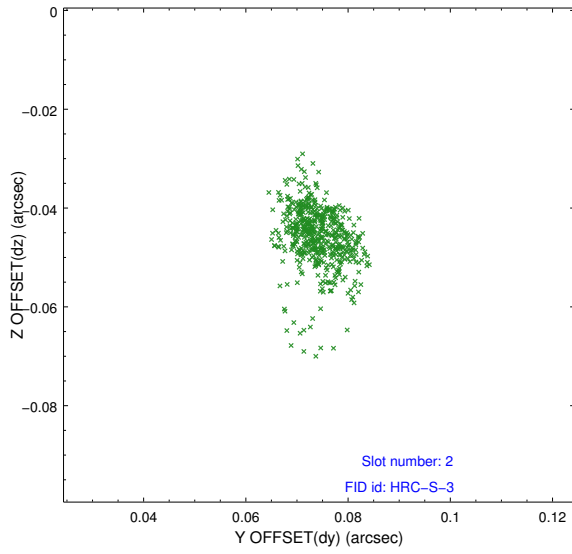
2.5.1 Slot 0



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	2.15685635

A.2 Comments

Window constraint met.