

V&V Reference Report

L2 ASCDS Version : 8.5.1

Observation 6024 - L2 Version 3
Chandra X-Ray Center

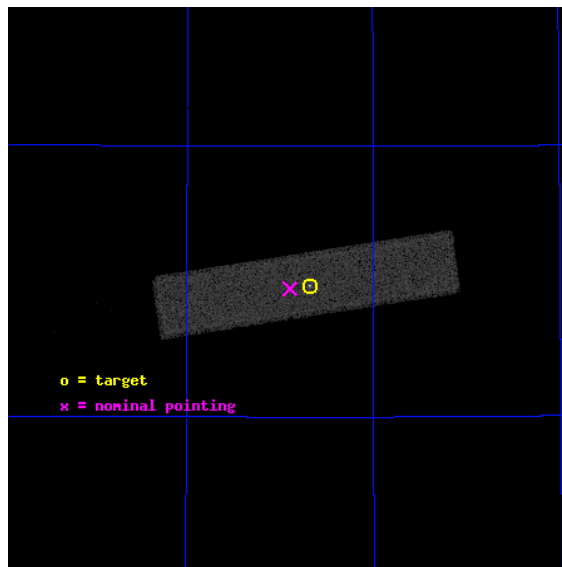
L2 Processing Date : Dec 17 2012

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

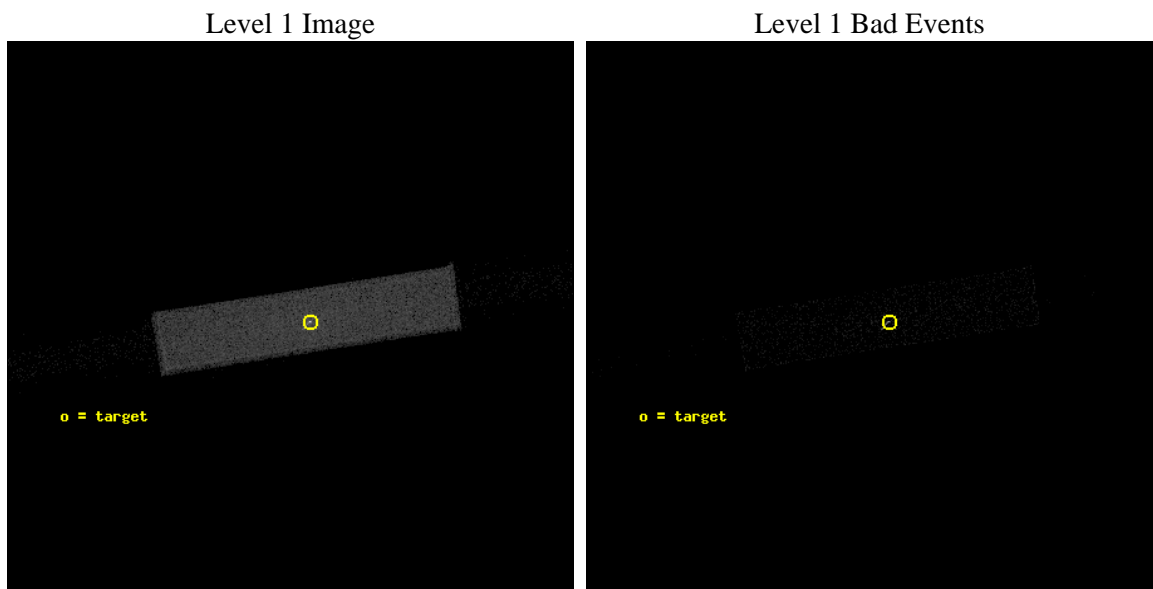
seq_num	290516	Sequence number
obs_id	6024	Observation id
title	AO6A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.22332451304	Nominal RA [deg]
dec_nom	45.737012615498	Nominal Dec [deg]
roll_nom	351.13077421339	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1161.5813025534	[s]
livetime	1154.6468034591	Ontime multiplied by DTCOR
l2events	48614	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	[s] Scheduled observation exposure time
ascdsver	8.5.1	Processing system revision	ontime	1161.5813025534	[s]
caldbver	4.5.5	 	l1events	78245	Number of level 1 events
date	2012-12-17T04:21:06	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

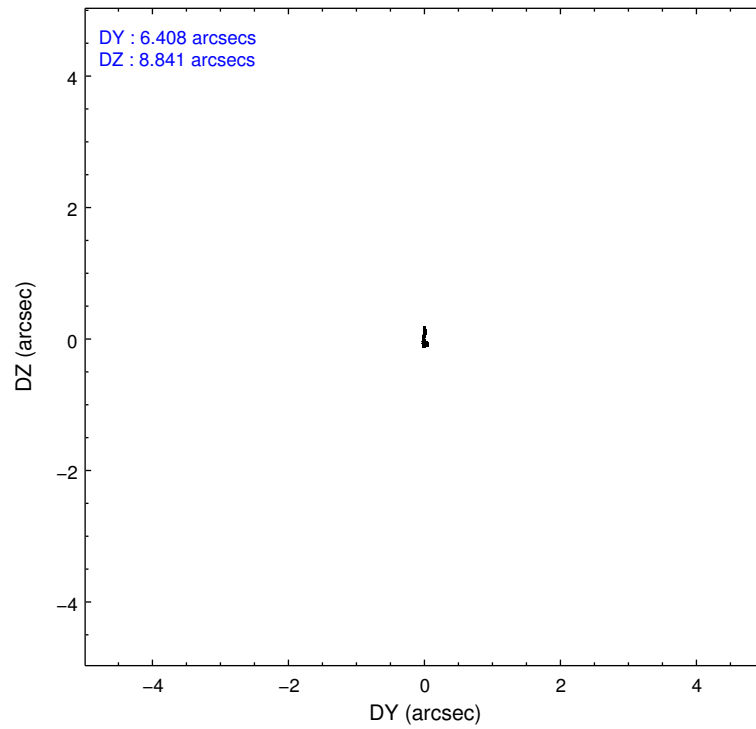
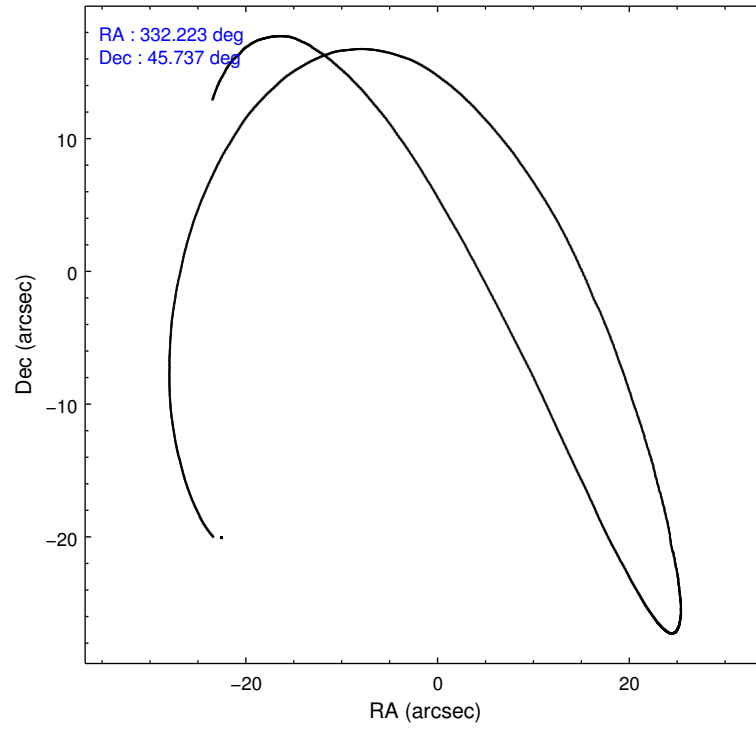
Level 1 Events

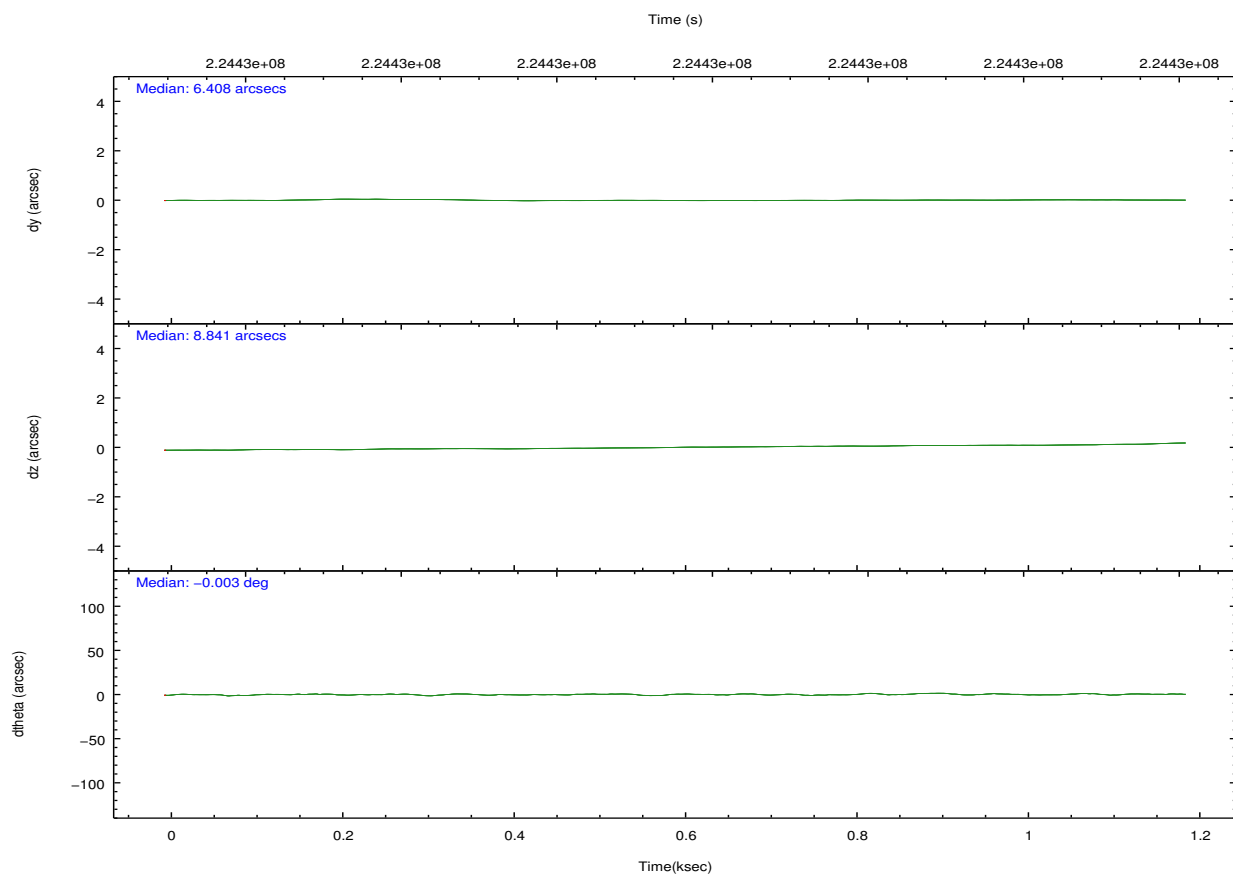
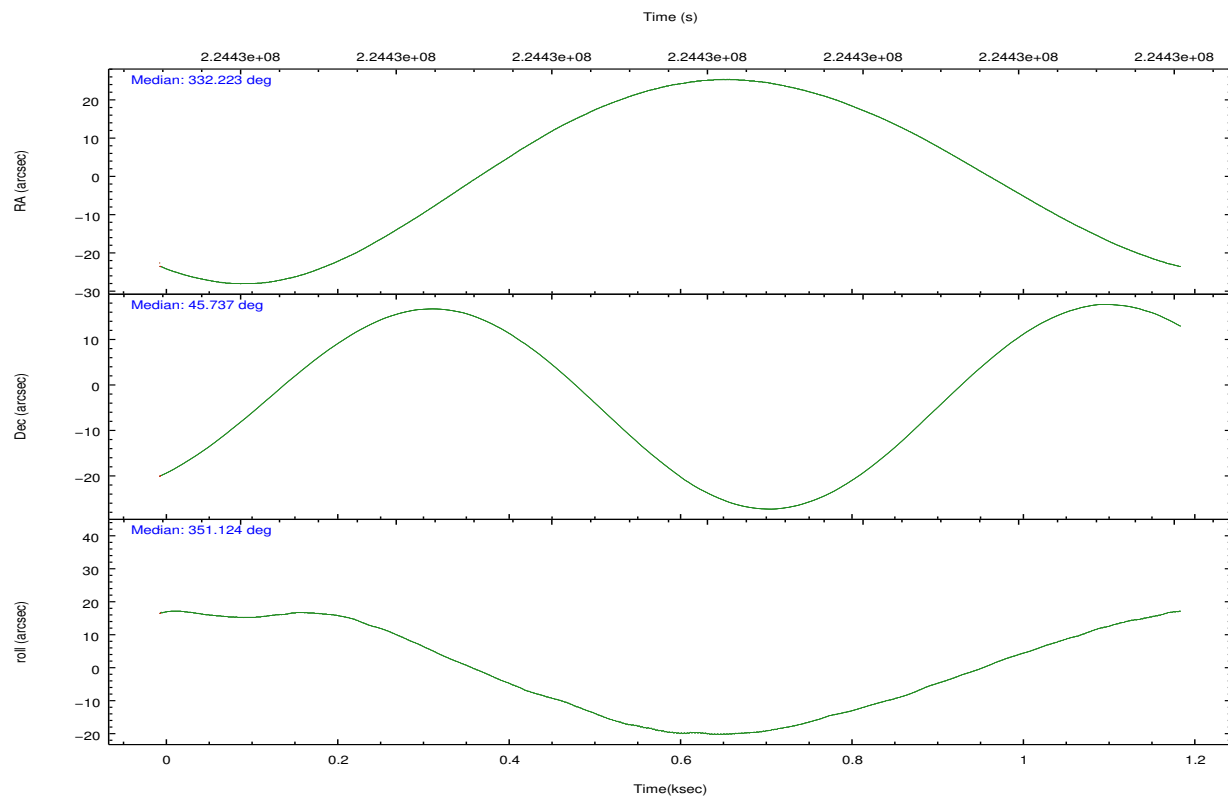
	segment 1	segment 2	segment 3
level 1 events	622	77013	610
rejected events	622	17406	593
rejected %	100%	22%	97%

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	332.186340	332.2233245130448			
[deg] Pointing Dec	45.724656	45.73701261549775			
[deg] Pointing Roll	351.089955	351.1307742133911			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	224426743.184000	224426366.82007			
Observation start date	2005-02-10T12:44:39	2005-02-10T12:39:26			
[s] Observation end time (MET)	224427743.184000	224427877.15764			
Observation end date	2005-02-10T13:01:19	2005-02-10T13:04:37			

2.3 Aspect



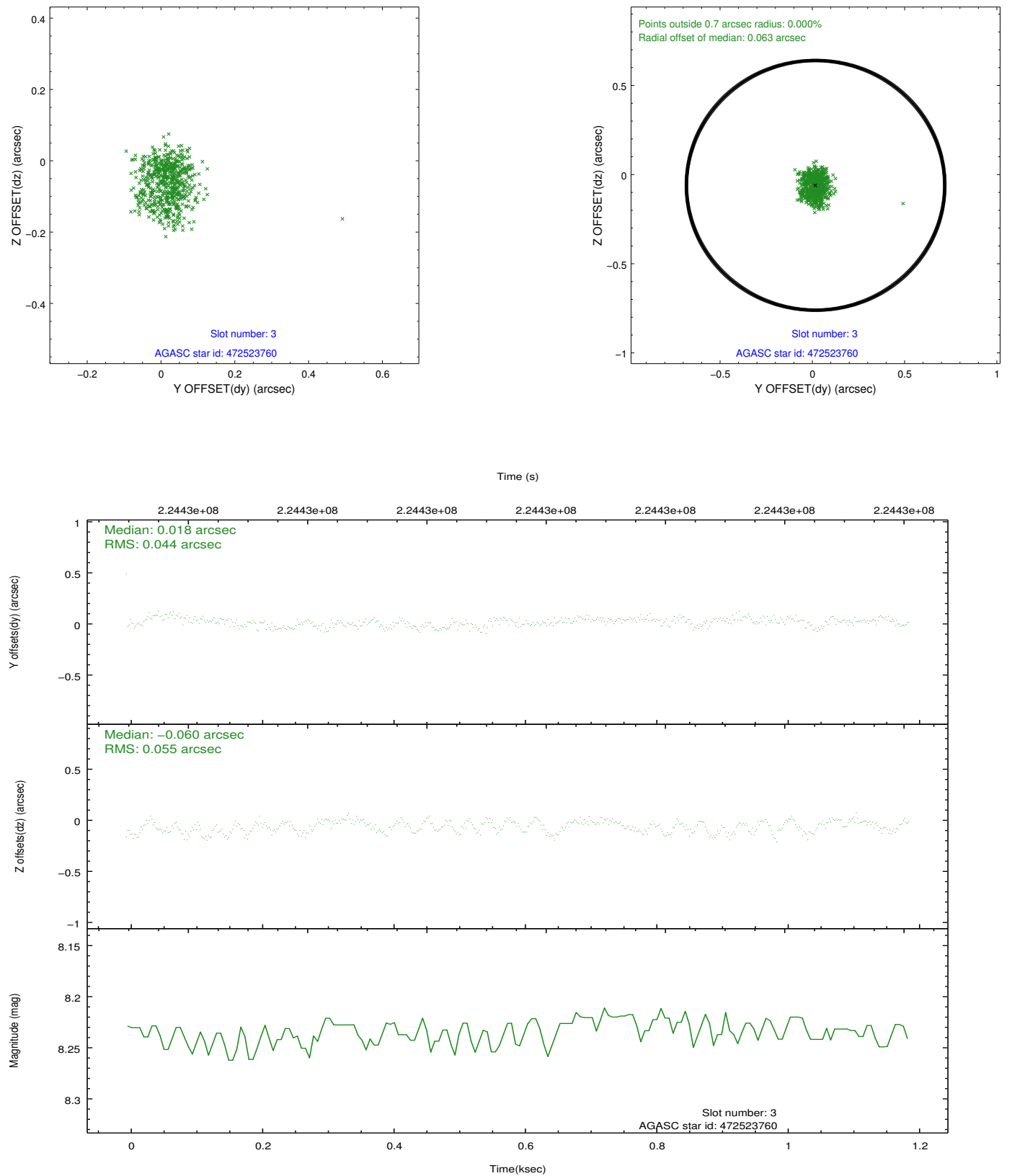


Slot Statistics

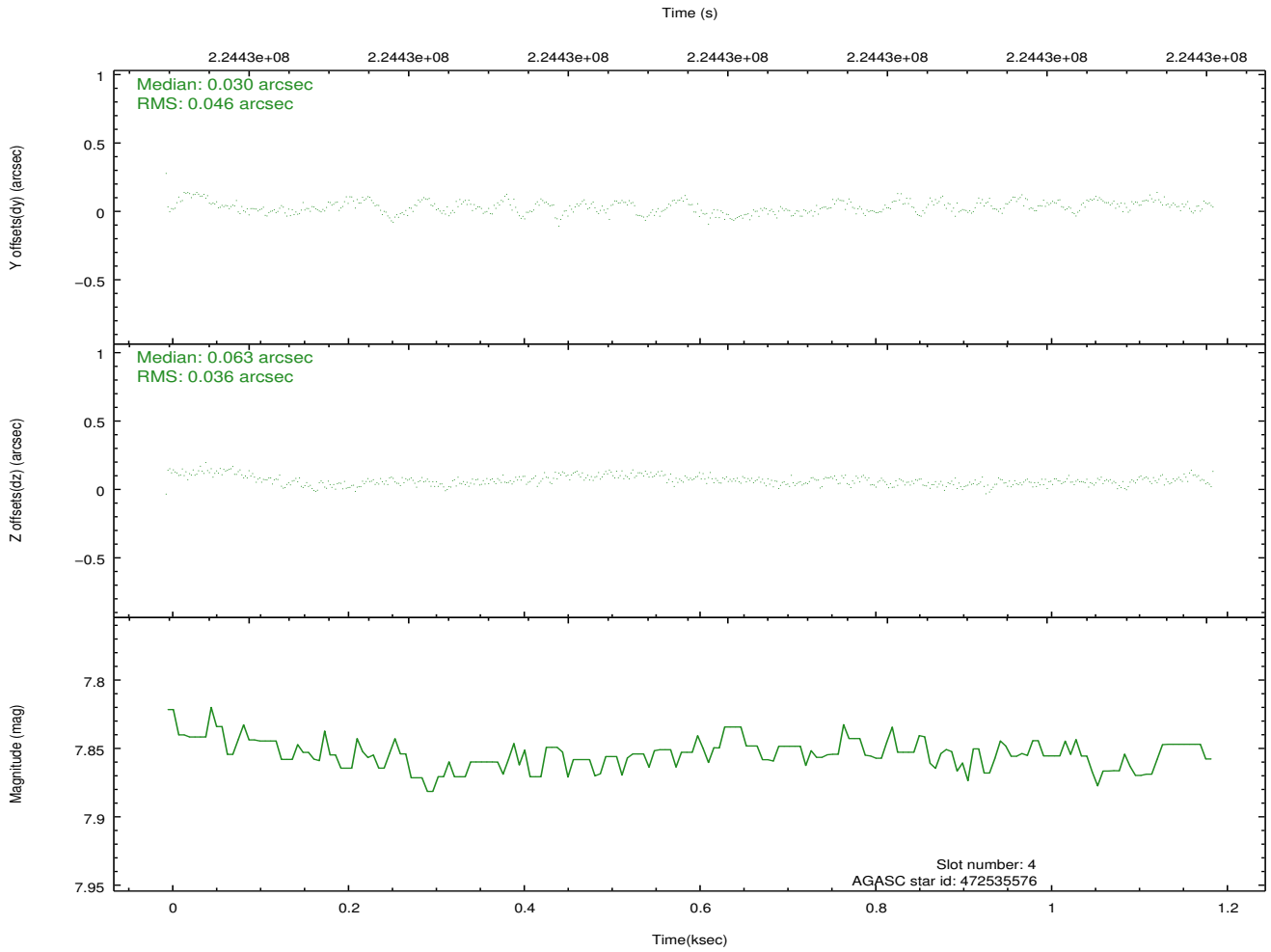
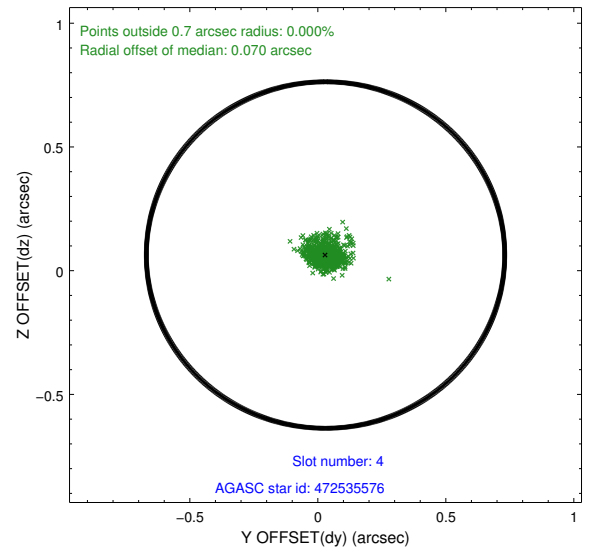
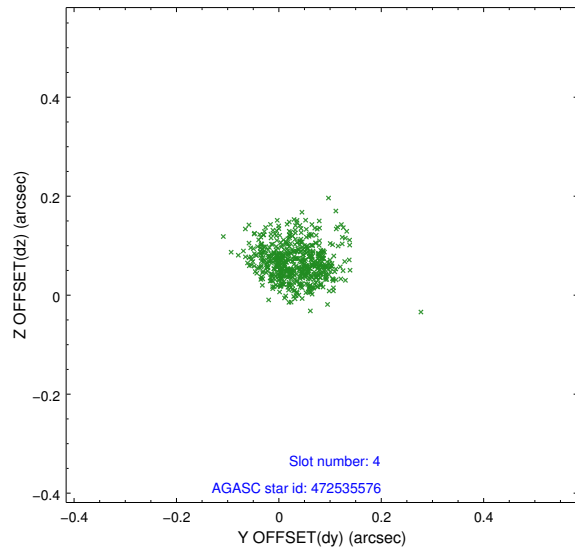
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.04	291	0.116	-0.157	0.007	0.011	0.000000	0.000000	-1160.56	-457.49
1	FID	HRC-S-2	7.03	291	0.165	-0.109	0.004	0.007	0.000000	0.000000	1235.18	-451.66
2	FID	HRC-S-3	7.04	291	0.109	-0.037	0.008	0.014	0.000000	0.000000	-1159.04	570.61
3	GUIDE	472523760	8.23	582	0.018	-0.060	0.075	0.113	331.645363	45.403260	-1170.63	-1352.60
4	GUIDE	472535576	7.85	582	0.030	0.063	0.060	0.098	331.438373	46.291802	-2156.36	1733.01
5	GUIDE	472536328	8.14	582	-0.004	0.006	0.076	0.119	331.496671	46.454831	-2100.61	2340.04
6	GUIDE	472665256	9.01	582	-0.023	0.020	0.094	0.155	332.808125	46.195041	1265.32	1921.08
7	GUIDE	472527720	6.99	581	-0.014	-0.043	0.062	0.104	331.460205	45.112509	-1478.52	-2453.62

2.4 Star Slots

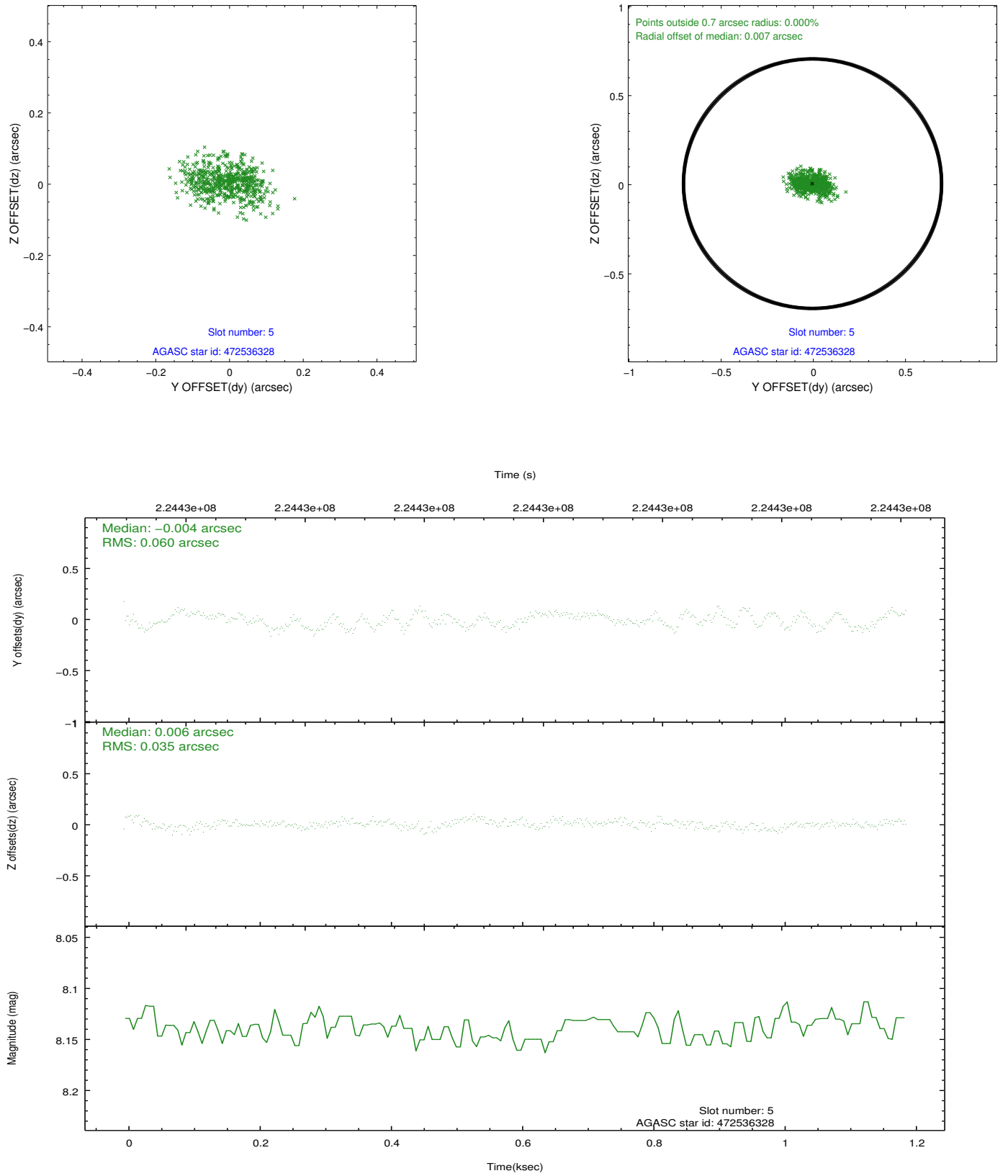
2.4.1 Slot 3



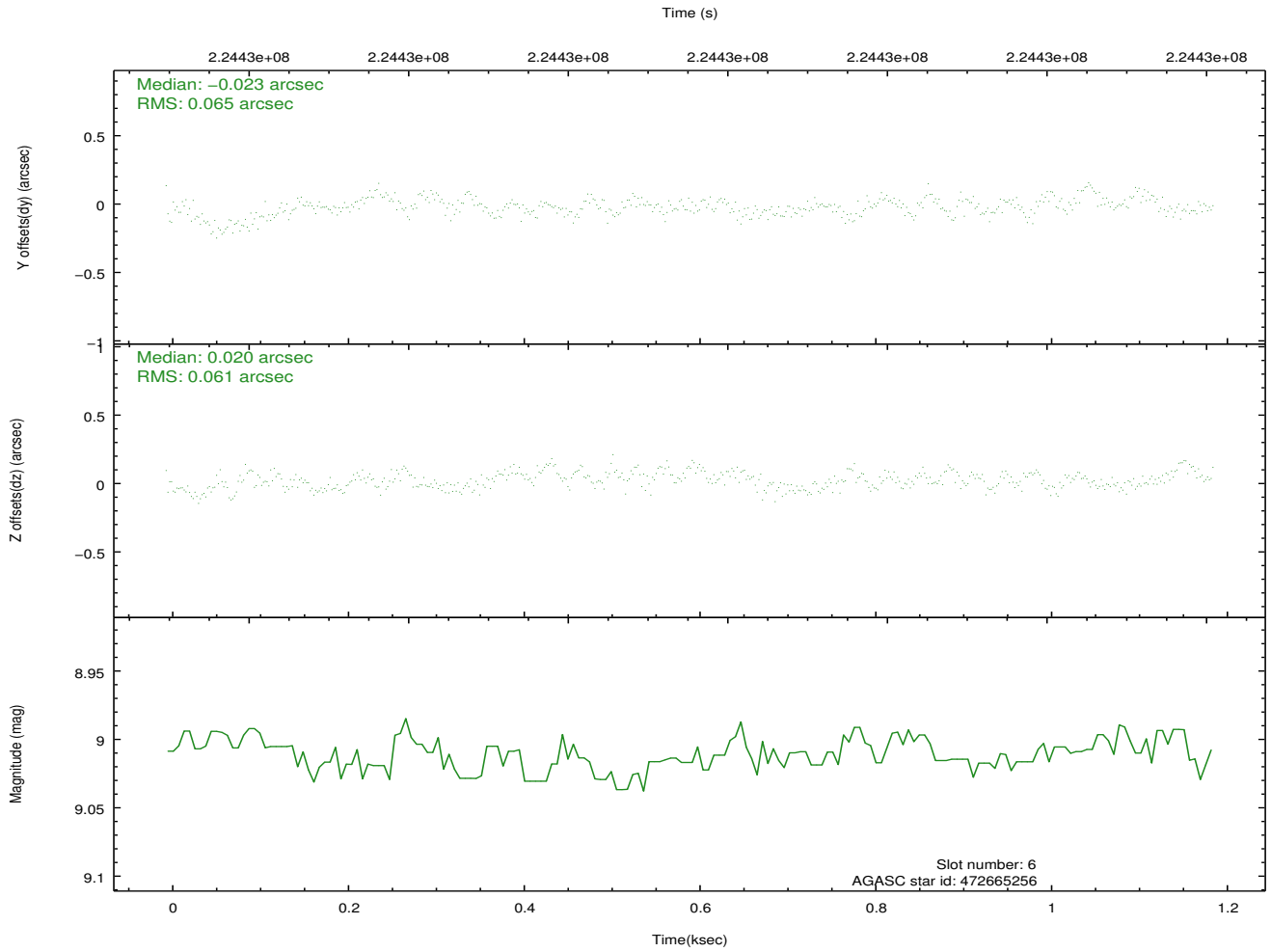
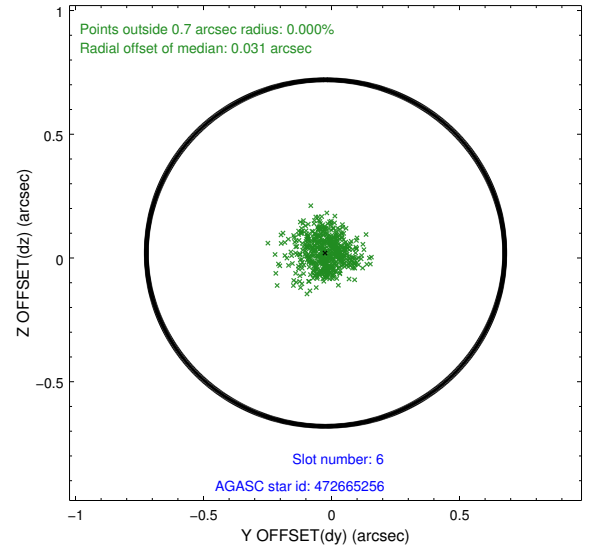
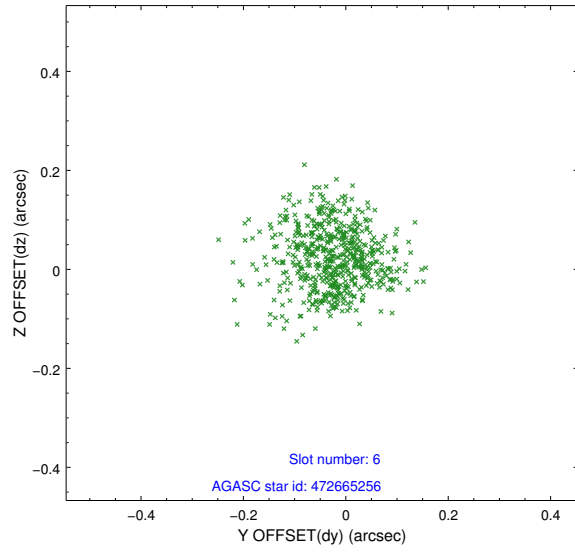
2.4.2 Slot 4



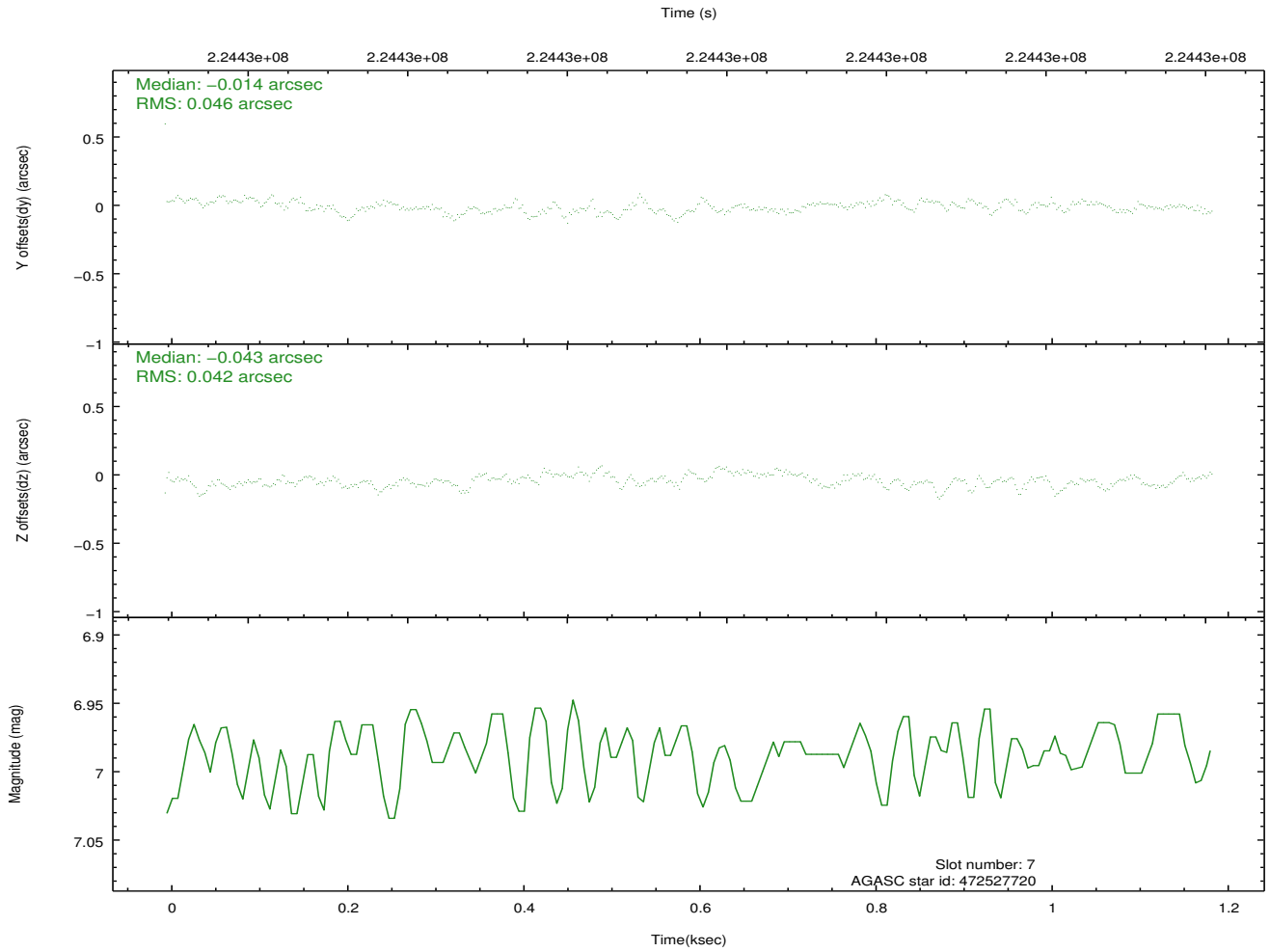
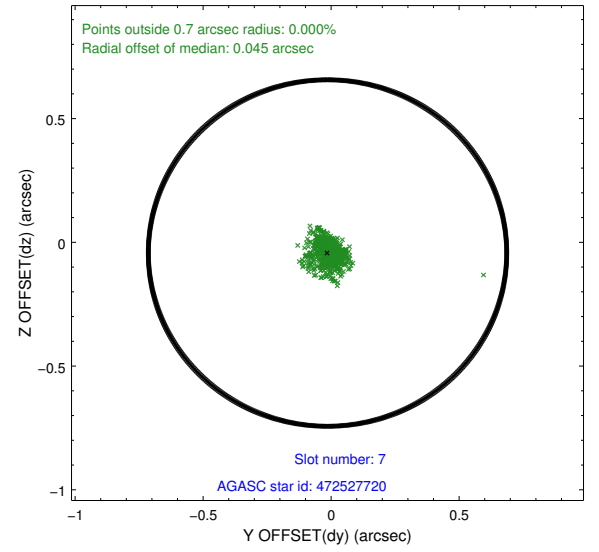
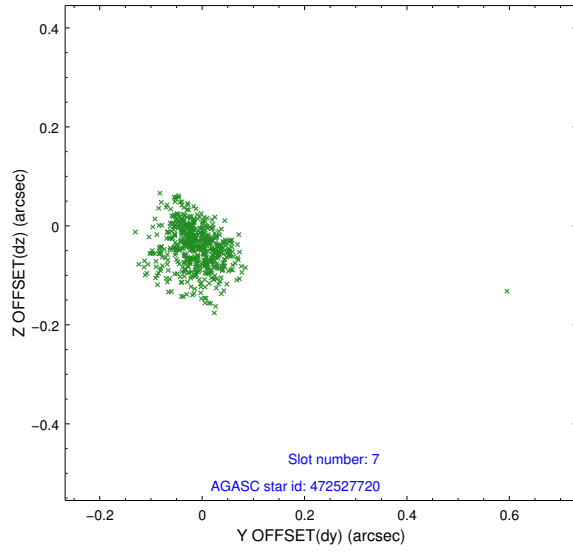
2.4.3 Slot 5



2.4.4 Slot 6

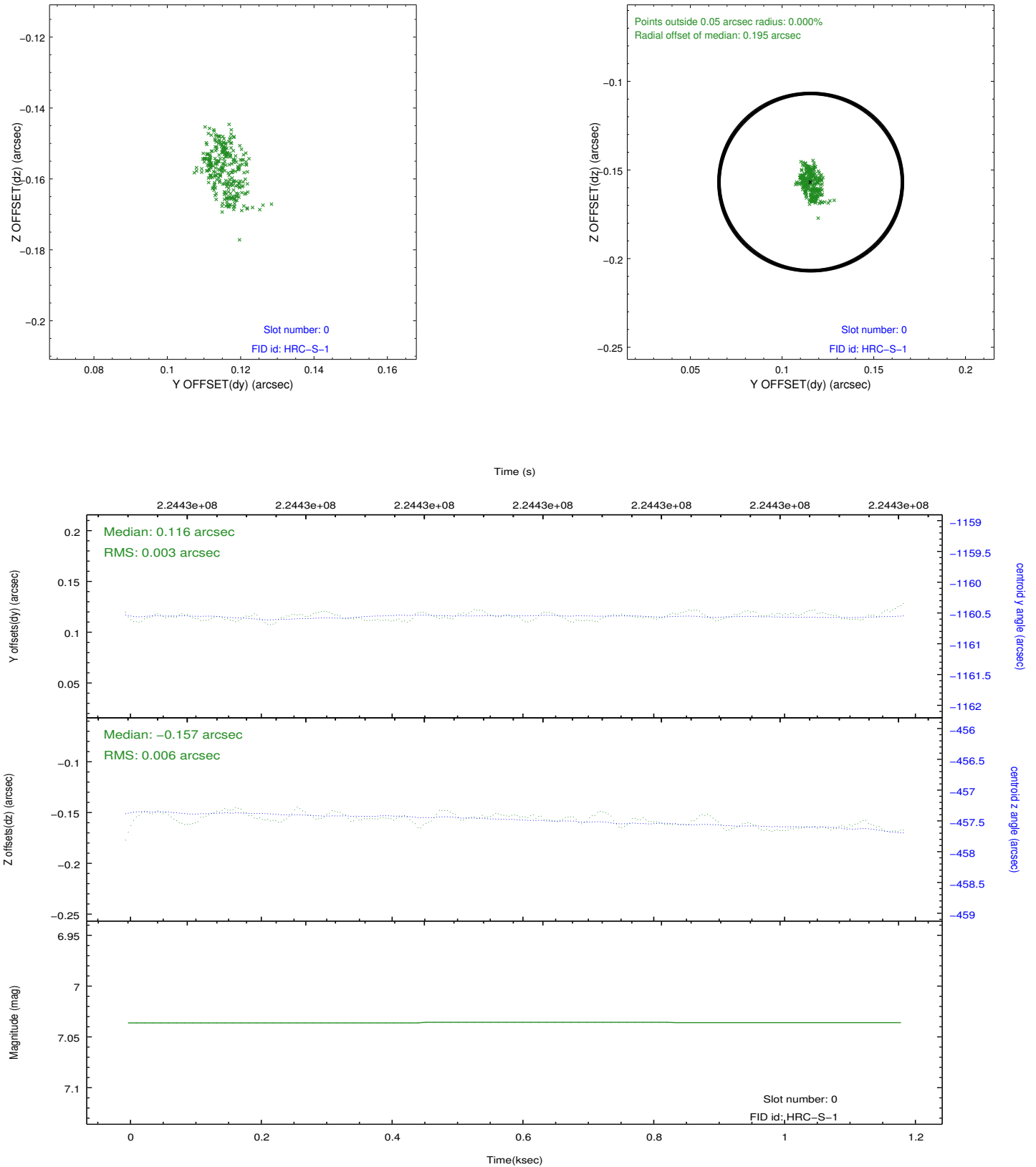


2.4.5 Slot 7

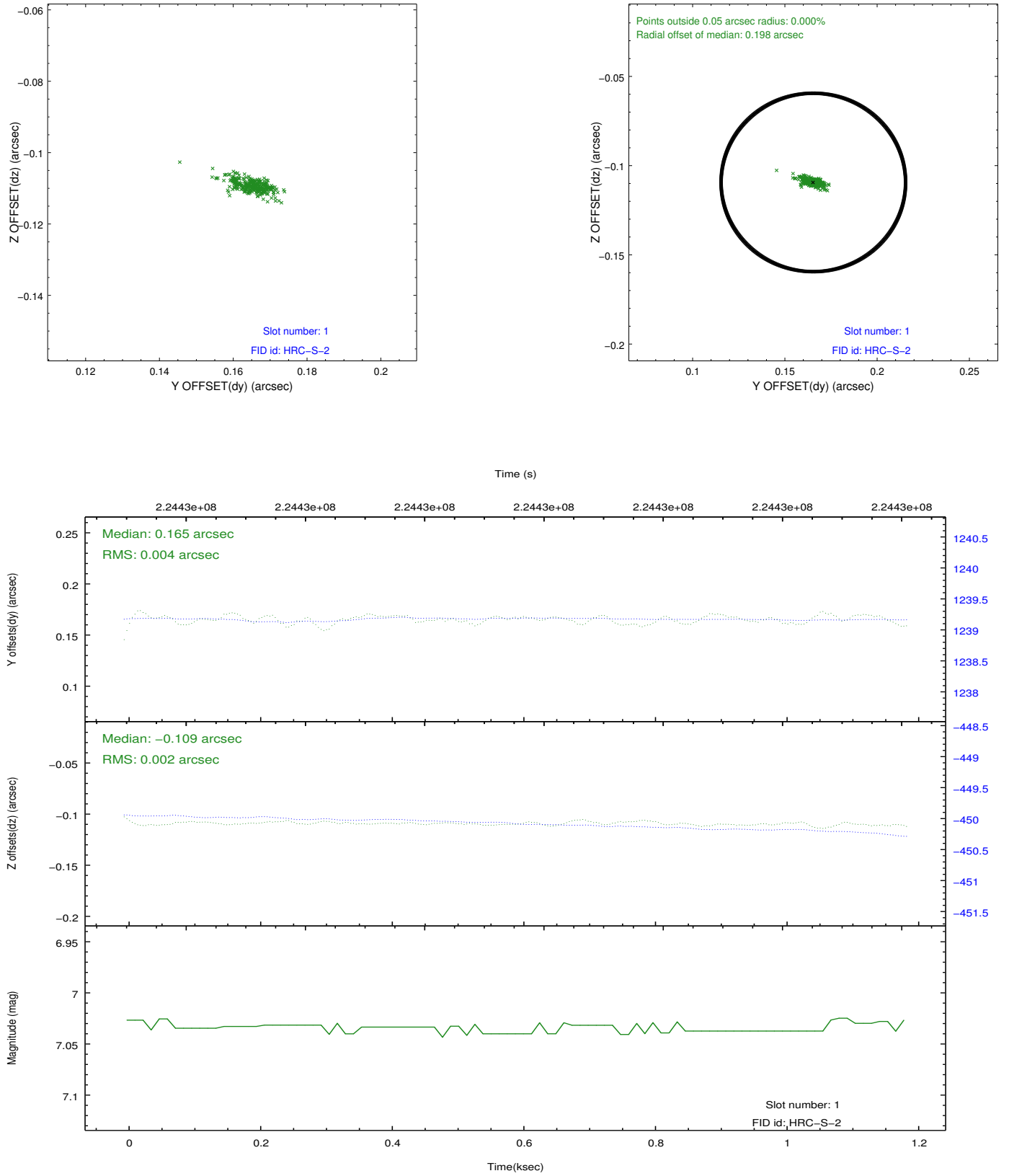


2.5 FID Slots

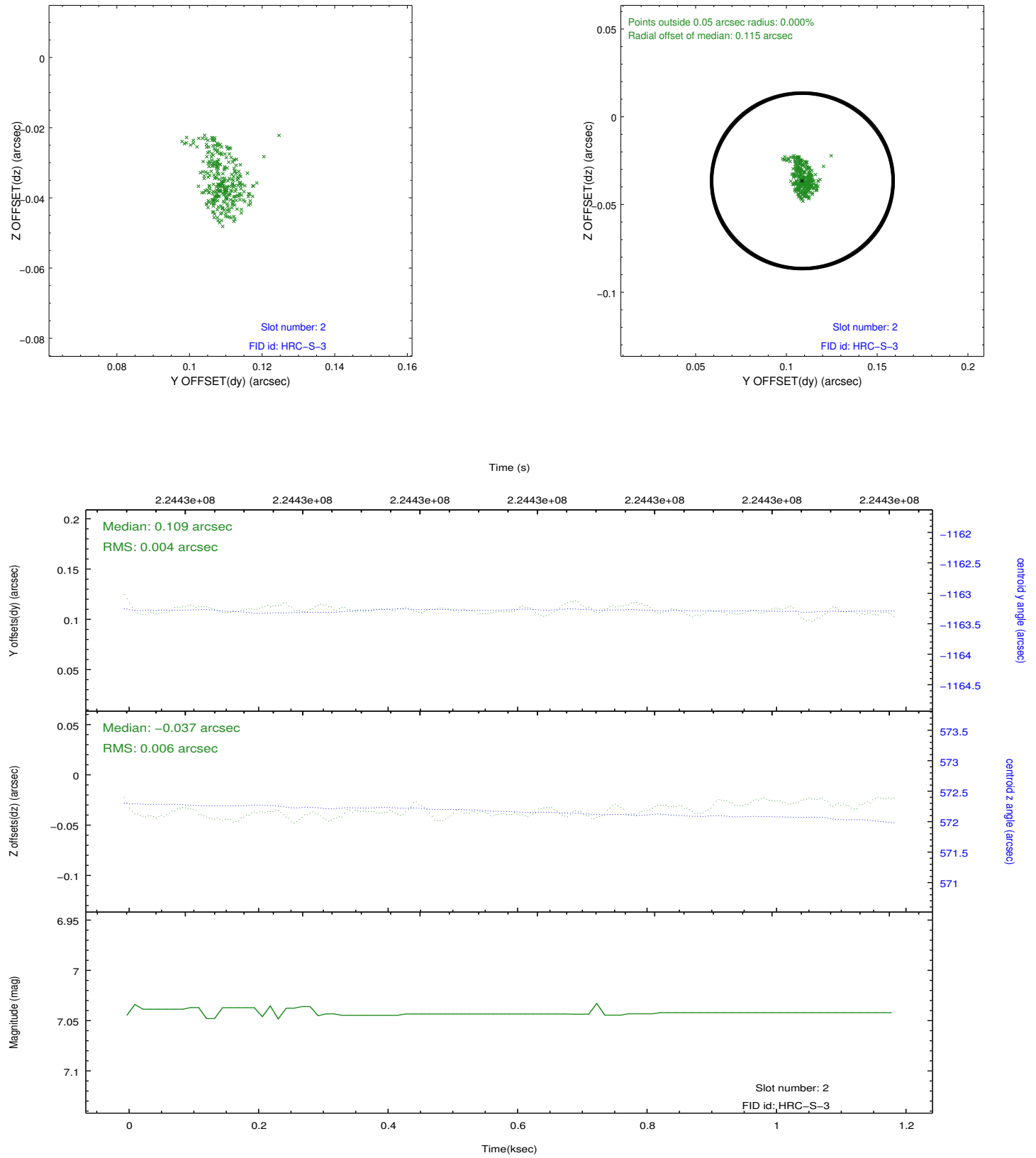
2.5.1 Slot 0



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)	2013.01.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.161581

A.2 Comments