

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 993 - L2 Version 3
Chandra X-Ray Center

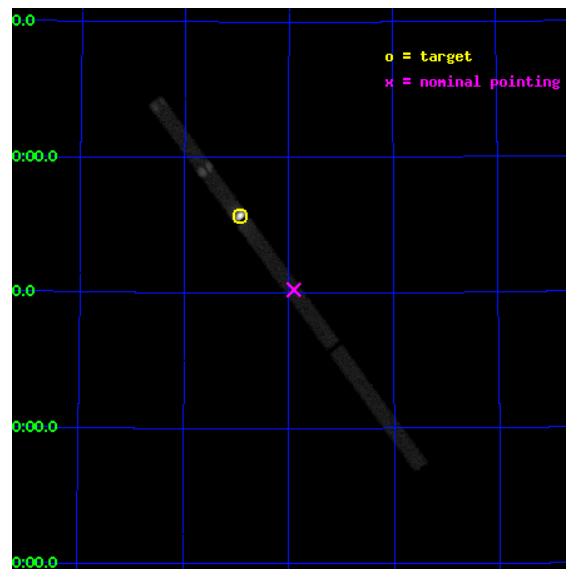
L2 Processing Date : Sep 22 2012

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1 Front

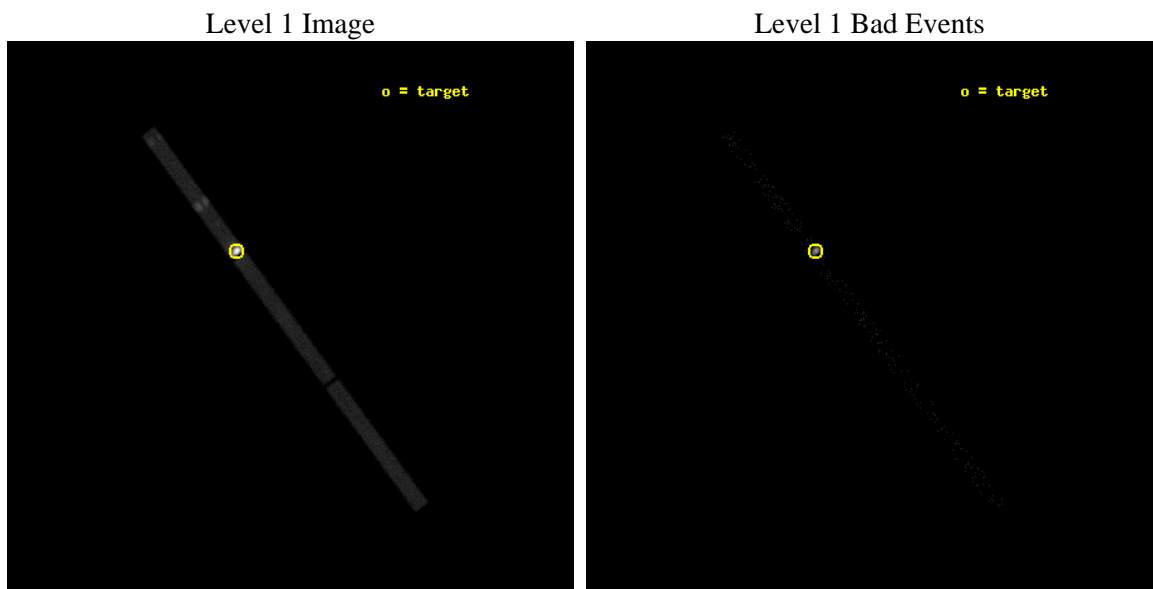
seq_num	290074	Sequence number
obs_id	993	Observation id
title	CALIBRATION OBSERVATIONS OF VEGA TO MONITOR THE TRANSMISSION OF THE OPTICAL/UV FILTERS ON ACIS AND HRC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	VEGA, HRC-S, AO2	Source name
ra_targ	279.234792	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	278.97575583196	Nominal RA [deg]
dec_nom	38.512205601026	Nominal Dec [deg]
roll_nom	233.55475058734	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2692.4188561589	[s]
livetime	954.59925563568	Ontime multiplied by DTCOR
l2events	427246	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	2500.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2692.4188561589	[s]
caldbver	4.5.1.1	 	l1events	538332	Number of level 1 events
date	2012-09-22T07:33:07	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

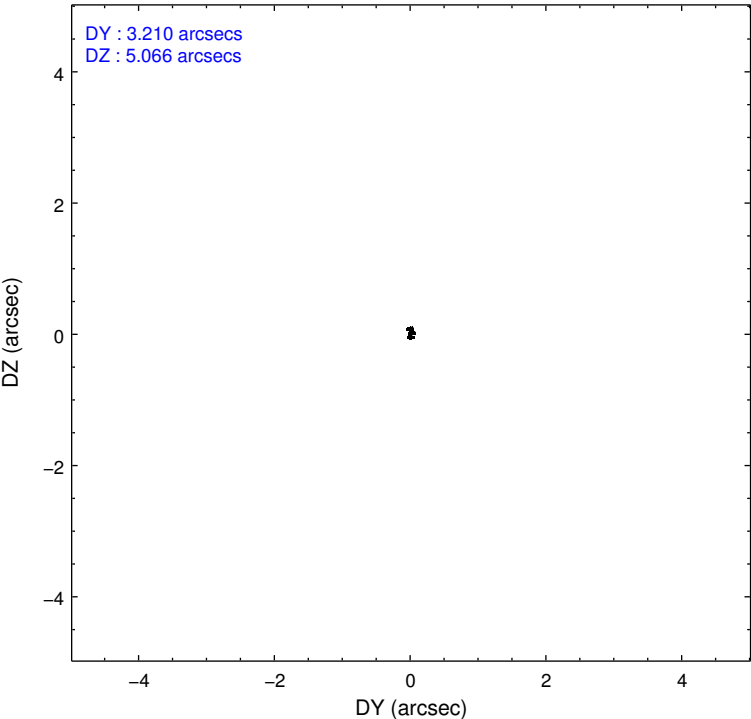
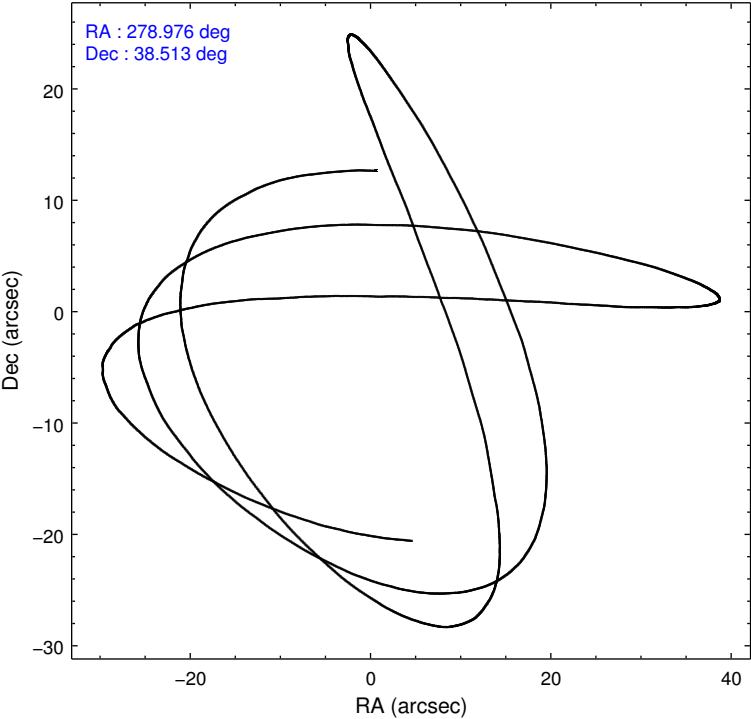
	segment 1	segment 2	segment 3
level 1 events	476854	33830	27648
rejected events	26916	10312	4646
rejected %	5%	30%	16%

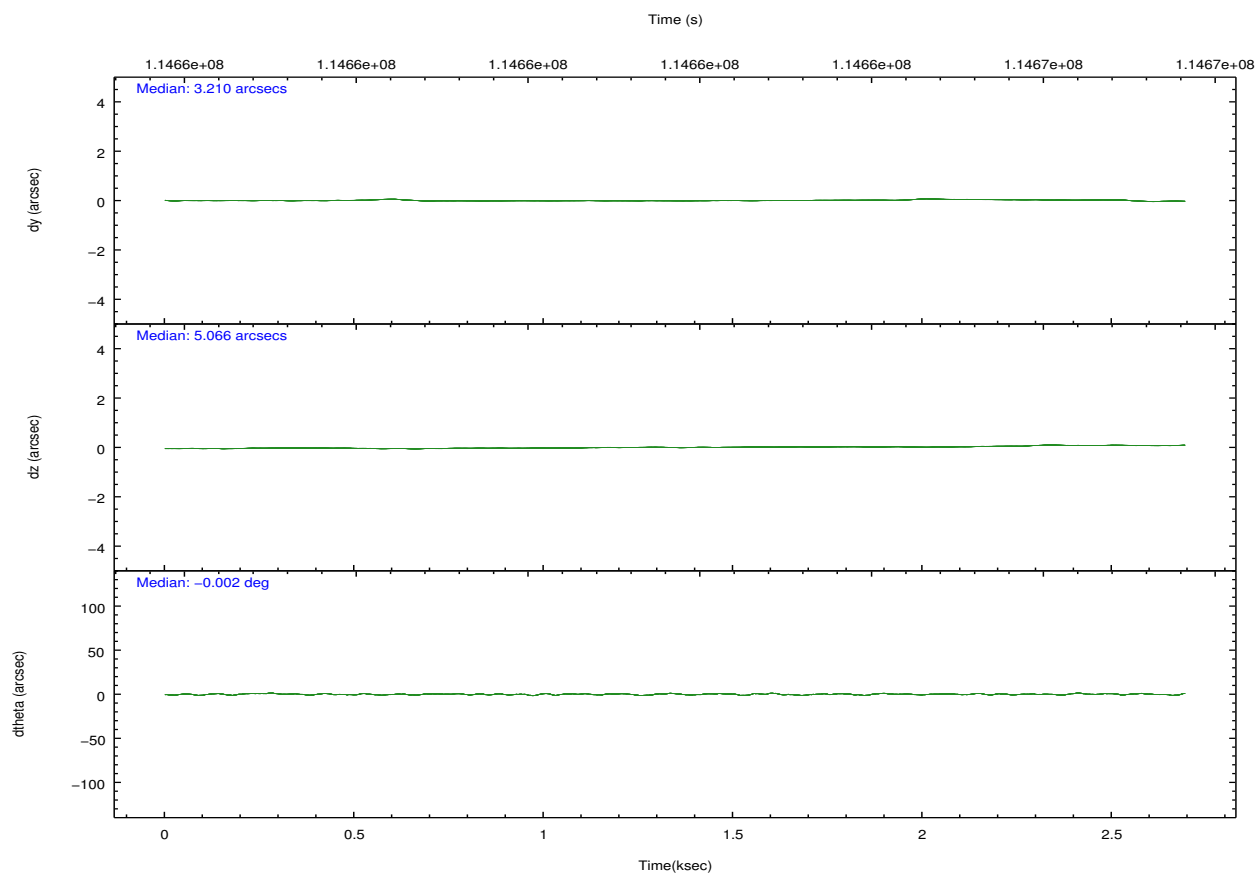
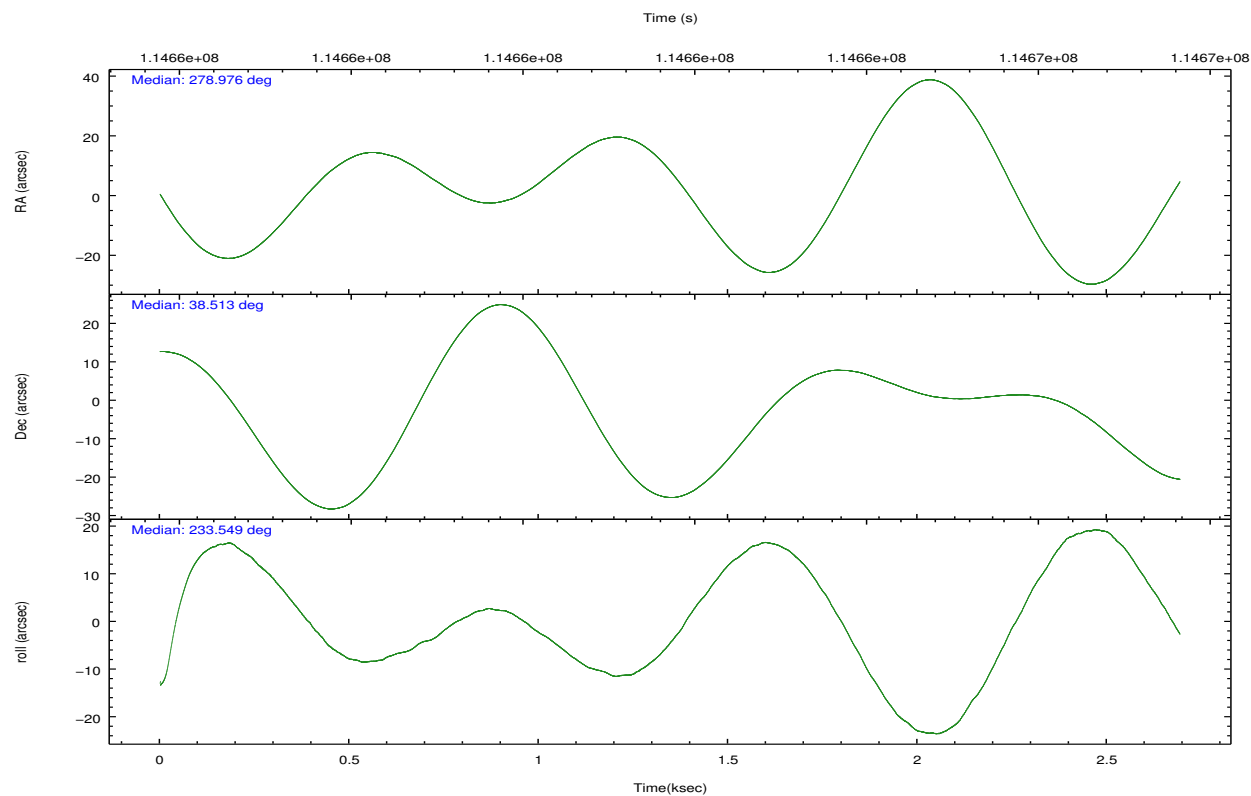
2.2 Compared Parameters

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	278.978949	278.9757558319575
[deg] Pointing Dec	38.541017	38.51220560102642
[deg] Pointing Roll	233.485418	233.5547505873433
[s] Window start time (MET)	113011264.184000	113011264.184000
[s] Window stop time (MET)	115516864.184000	115516864.184000
[mm] SIM focus pos	-1.529586	-1.523540733526241
[mm] SIM defocus	0.003750771043328743	0.009795905878055677
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	114663275.184000	114662899.02661
Observation start date	2001-08-20T02:53:31	2001-08-20T02:48:19
[s] Observation end time (MET)	114665775.184000	114667437.21429
Observation end date	2001-08-20T03:35:11	2001-08-20T04:03:57

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

2.3 Aspect



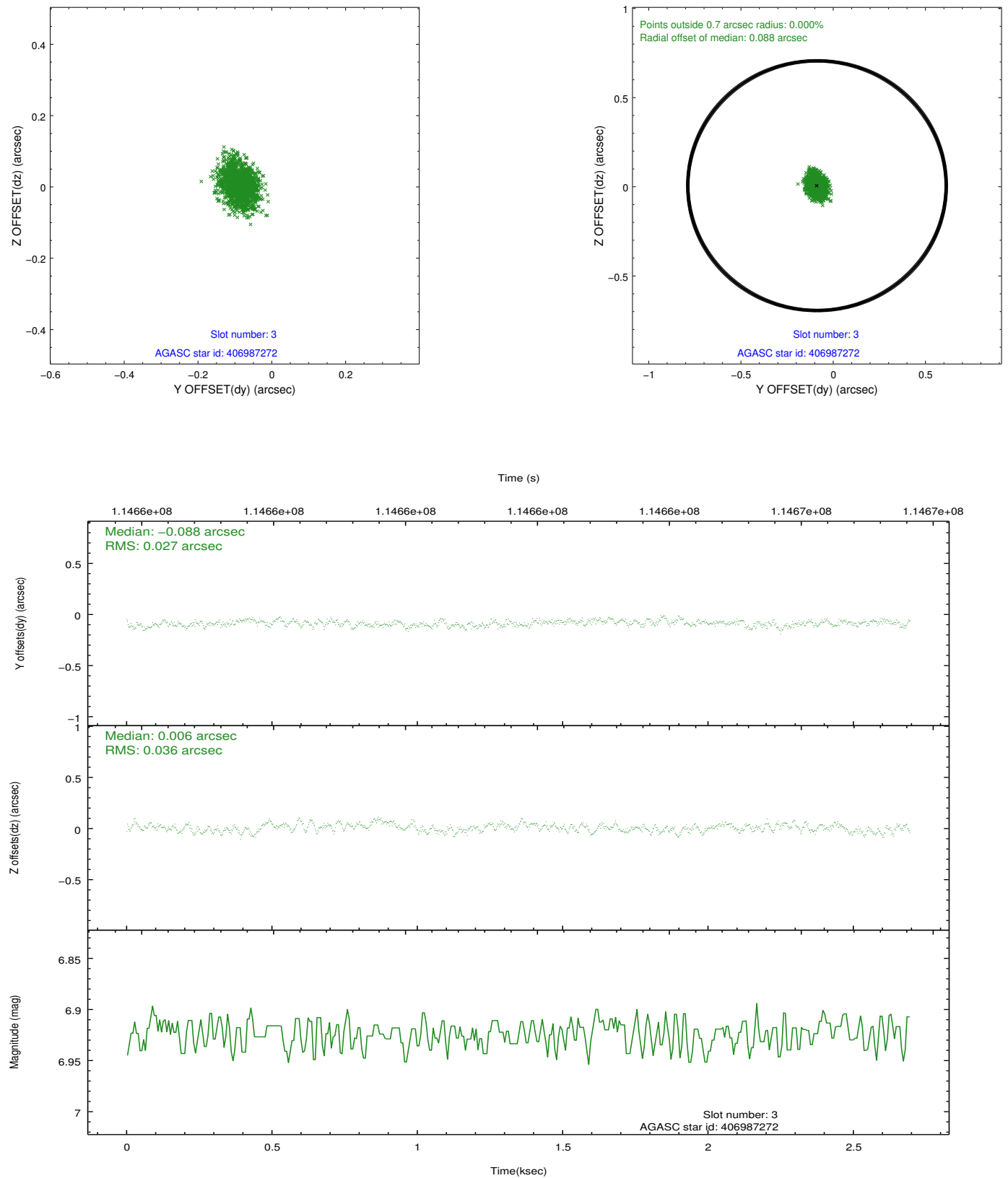


Slot Statistics

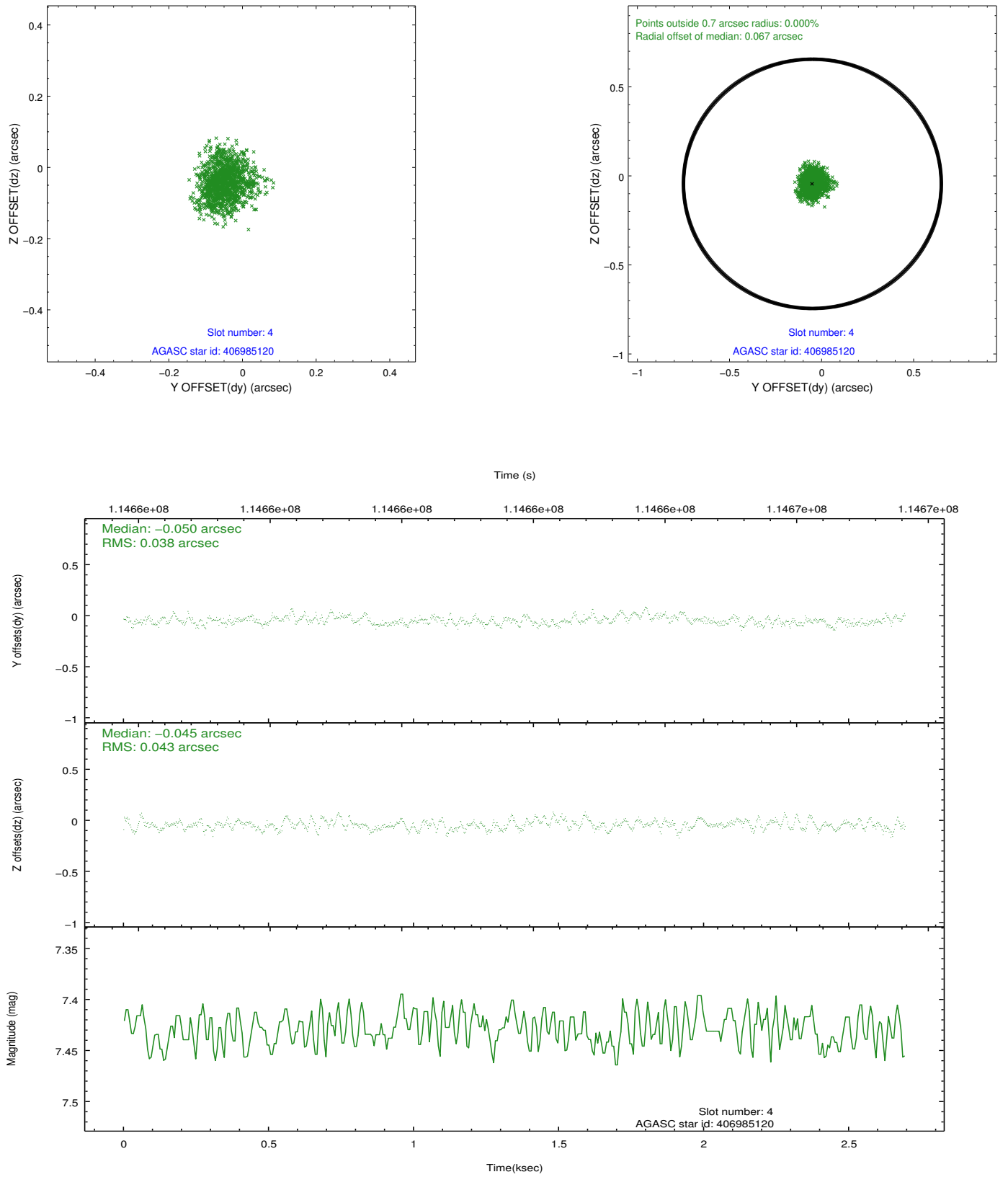
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	657	0.159	-0.154	0.006	0.011	0.000000	0.000000	-1157.24	-453.57
1	FID	HRC-S-2	6.98	657	0.091	-0.096	0.005	0.008	0.000000	0.000000	1240.59	-446.88
2	FID	HRC-S-3	7.00	657	0.140	-0.051	0.006	0.011	0.000000	0.000000	-1158.07	575.38
3	GUIDE	406987272	6.92	1315	-0.088	0.006	0.048	0.077	278.536588	38.437504	1037.48	-780.73
4	GUIDE	406985120	7.43	1314	-0.050	-0.045	0.063	0.098	278.839732	38.894839	-792.80	-1070.50
5	GUIDE	406993992	7.62	1314	0.009	-0.004	0.053	0.088	279.053714	38.034587	1336.54	1256.41
6	GUIDE	406989616	8.22	1315	0.017	0.031	0.068	0.106	279.202881	38.520843	-318.35	552.46
7	GUIDE	406990192	8.99	1314	0.103	0.004	0.064	0.104	278.510952	38.533654	800.99	-1043.10

2.4 Star Slots

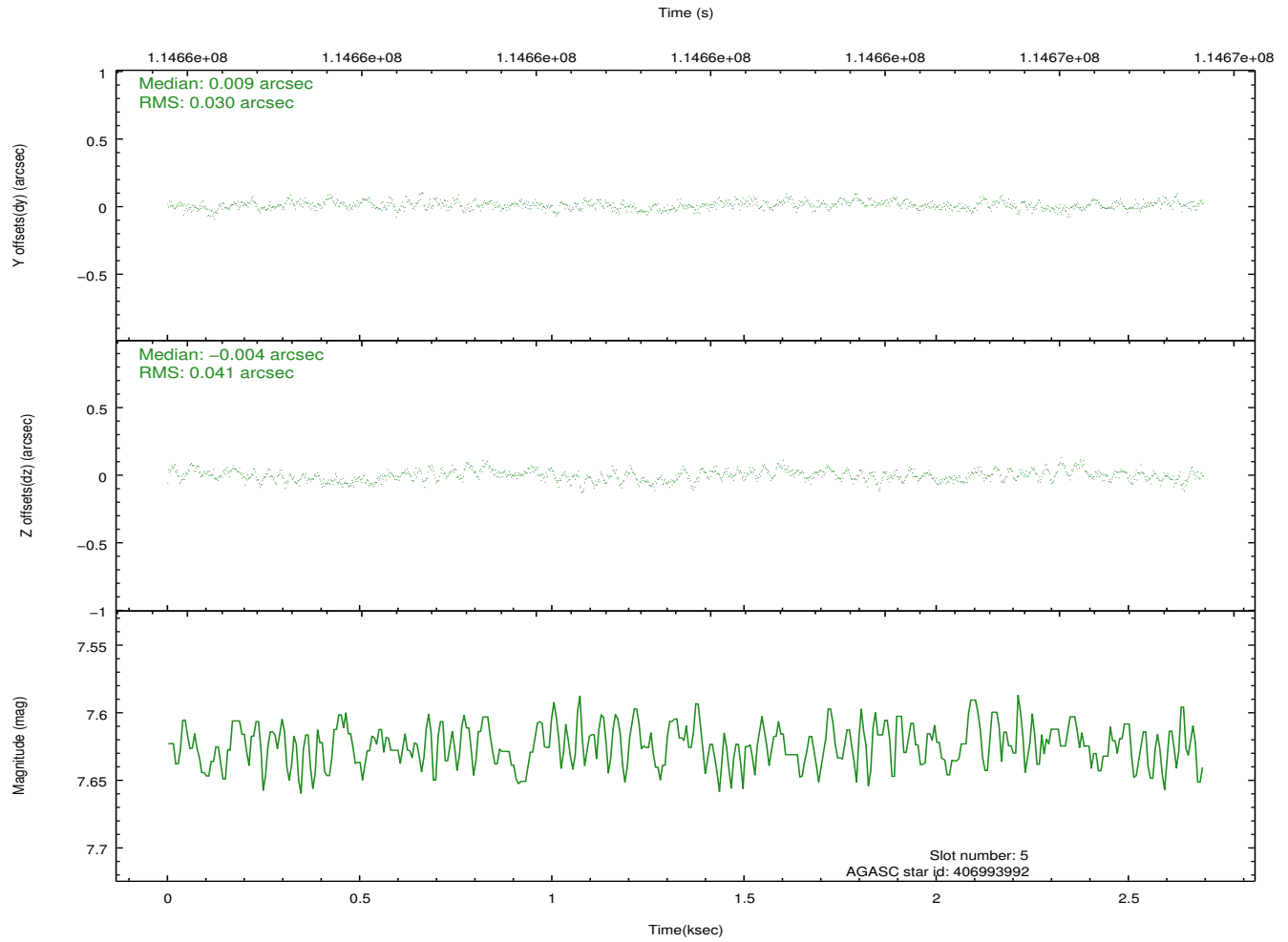
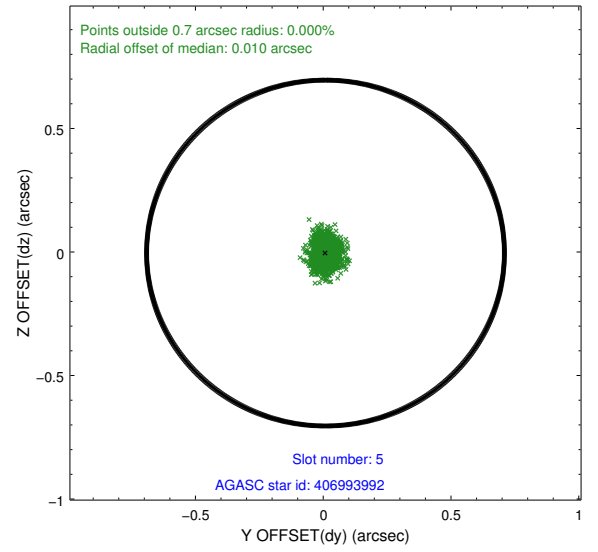
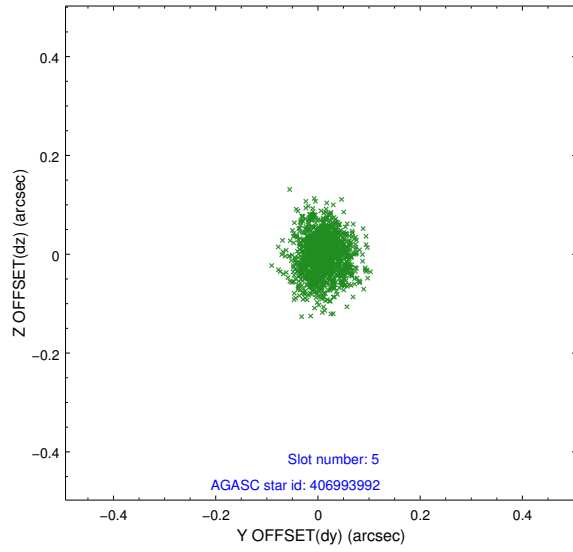
2.4.1 Slot 3



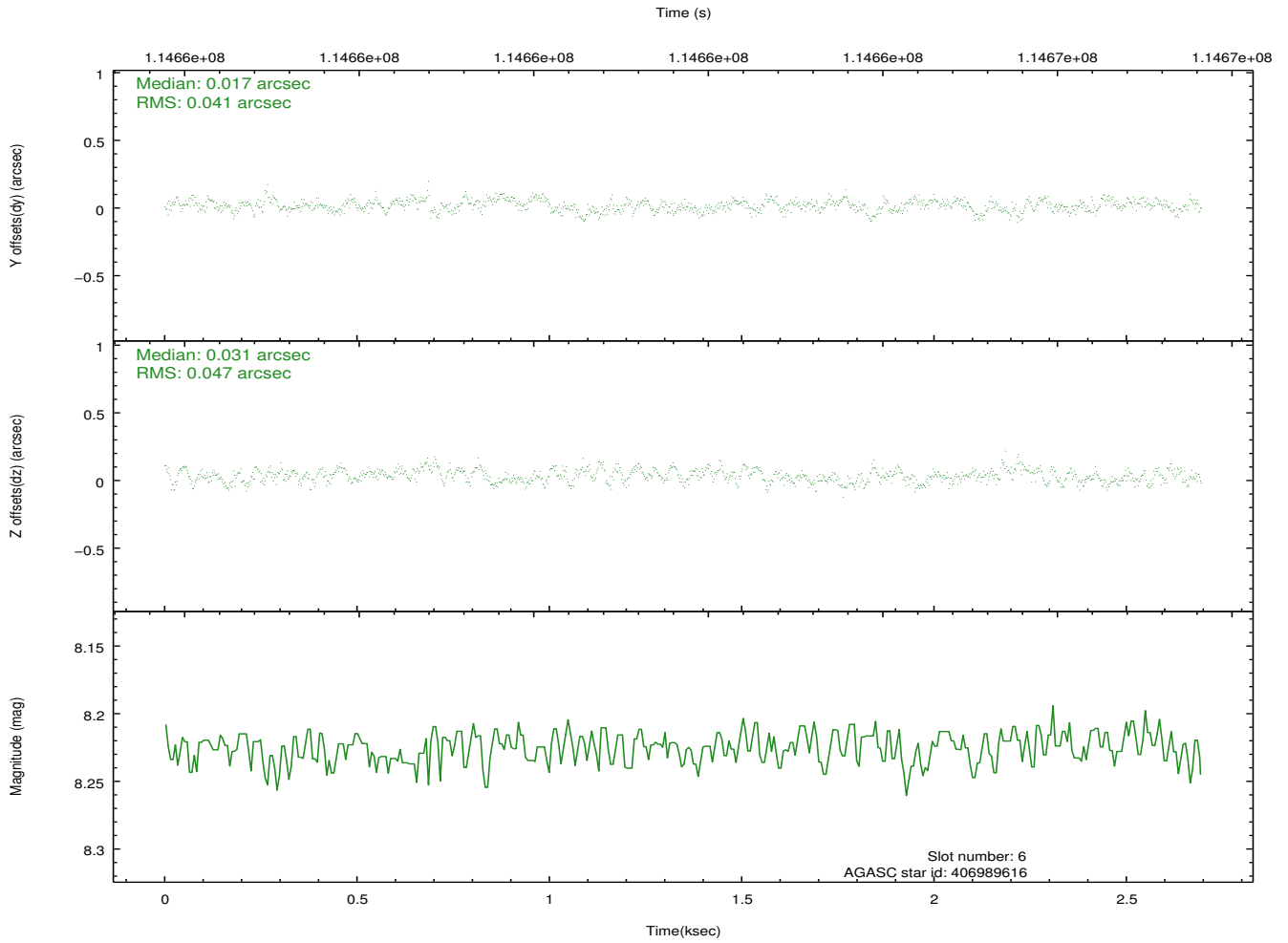
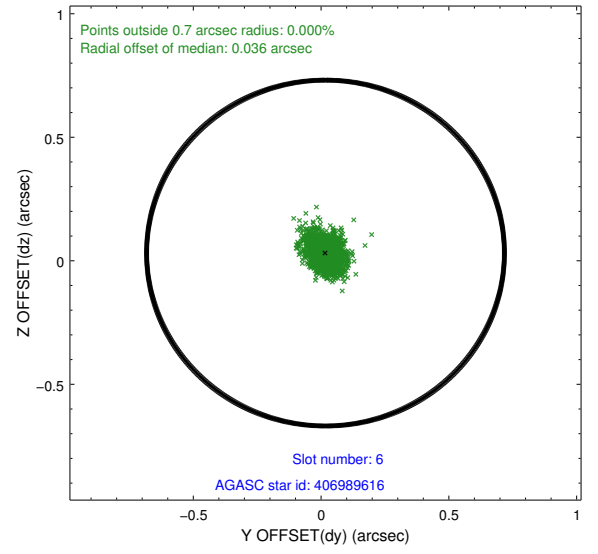
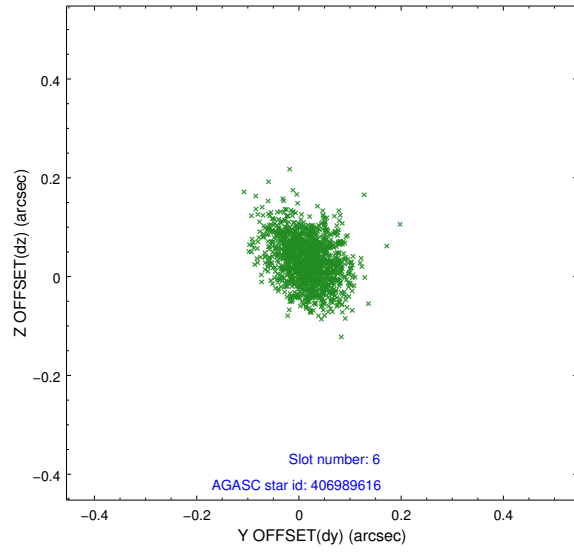
2.4.2 Slot 4



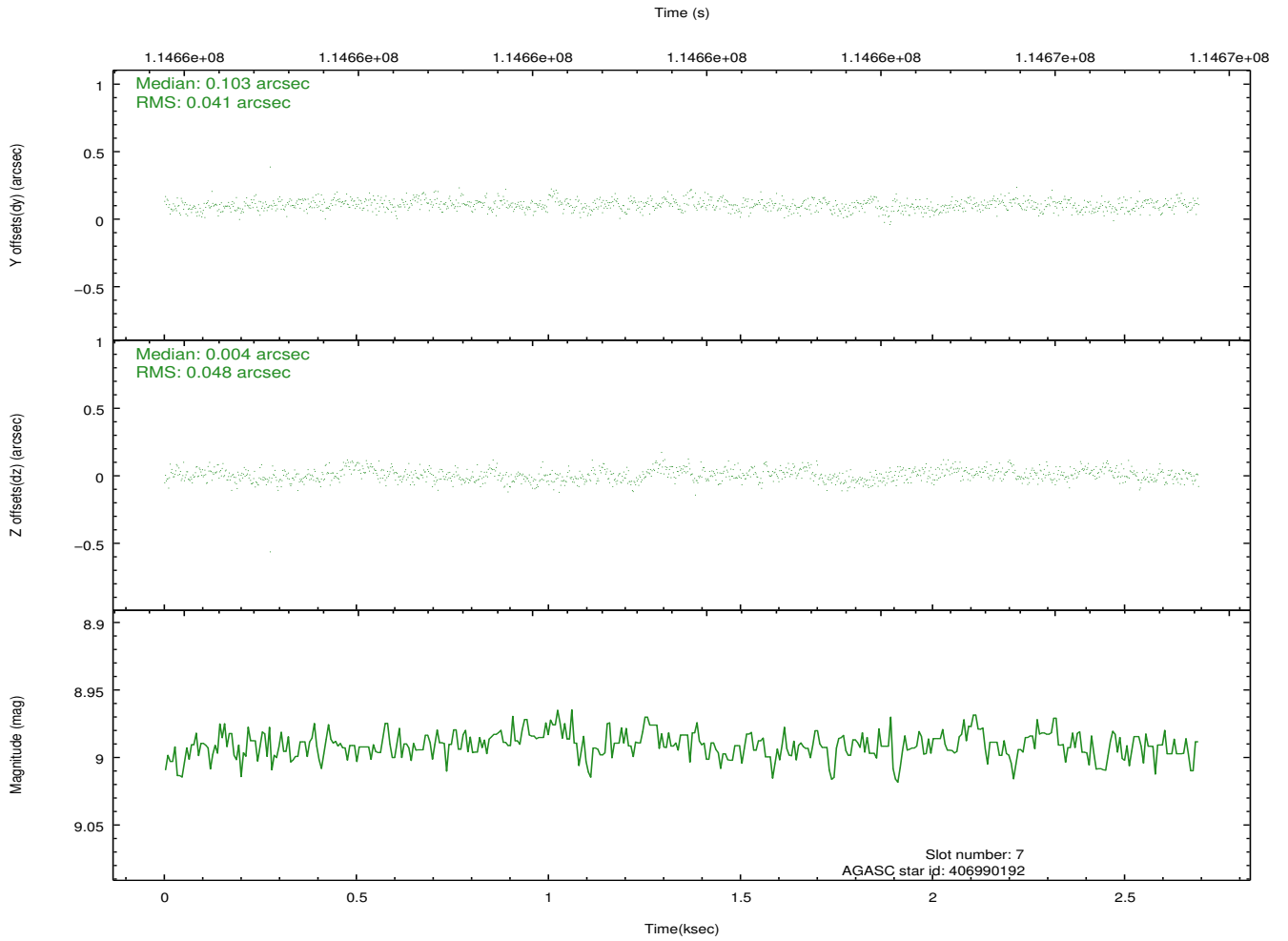
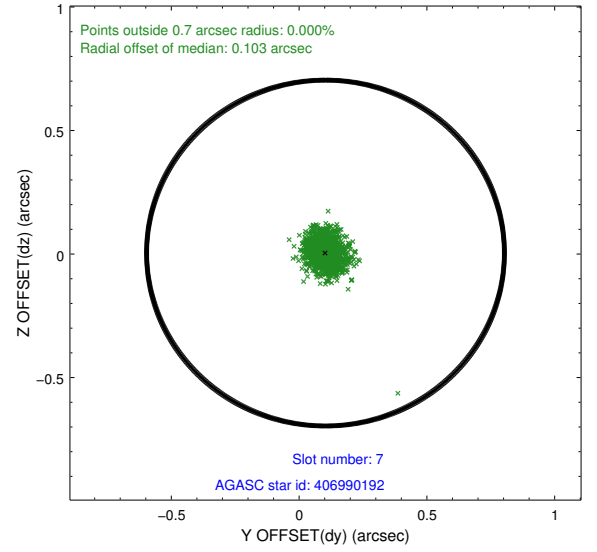
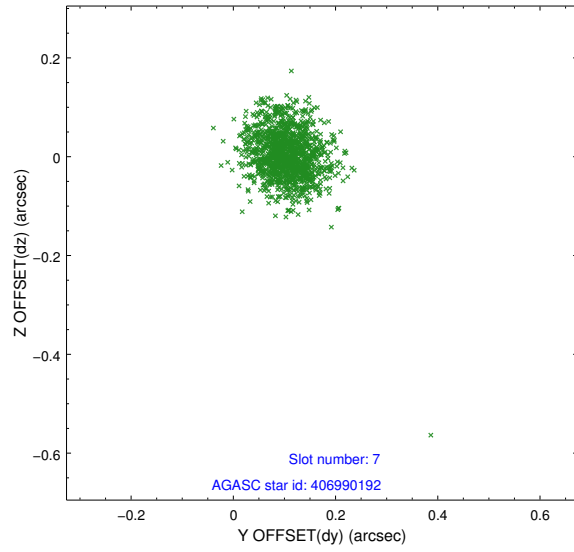
2.4.3 Slot 5



2.4.4 Slot 6

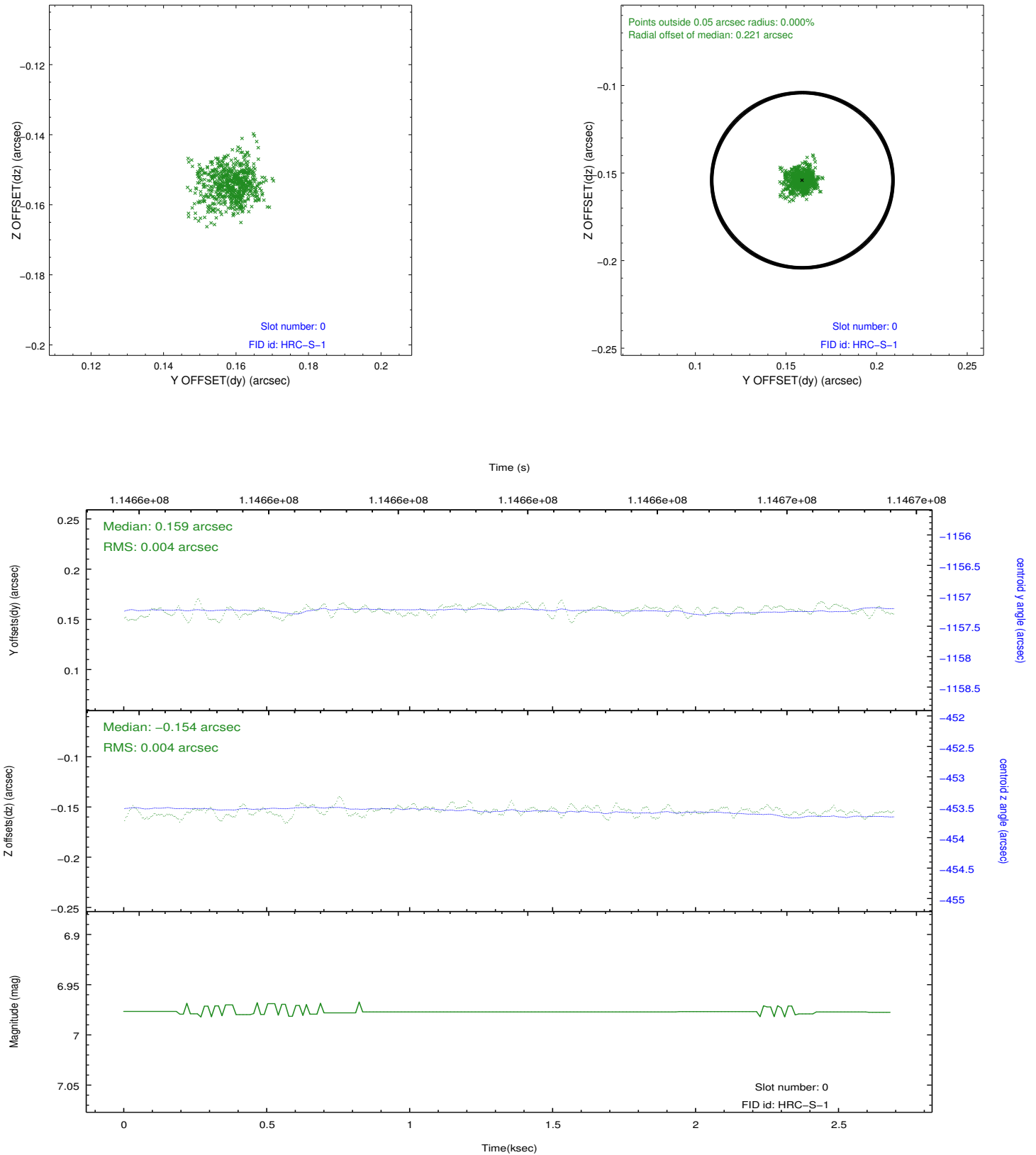


2.4.5 Slot 7

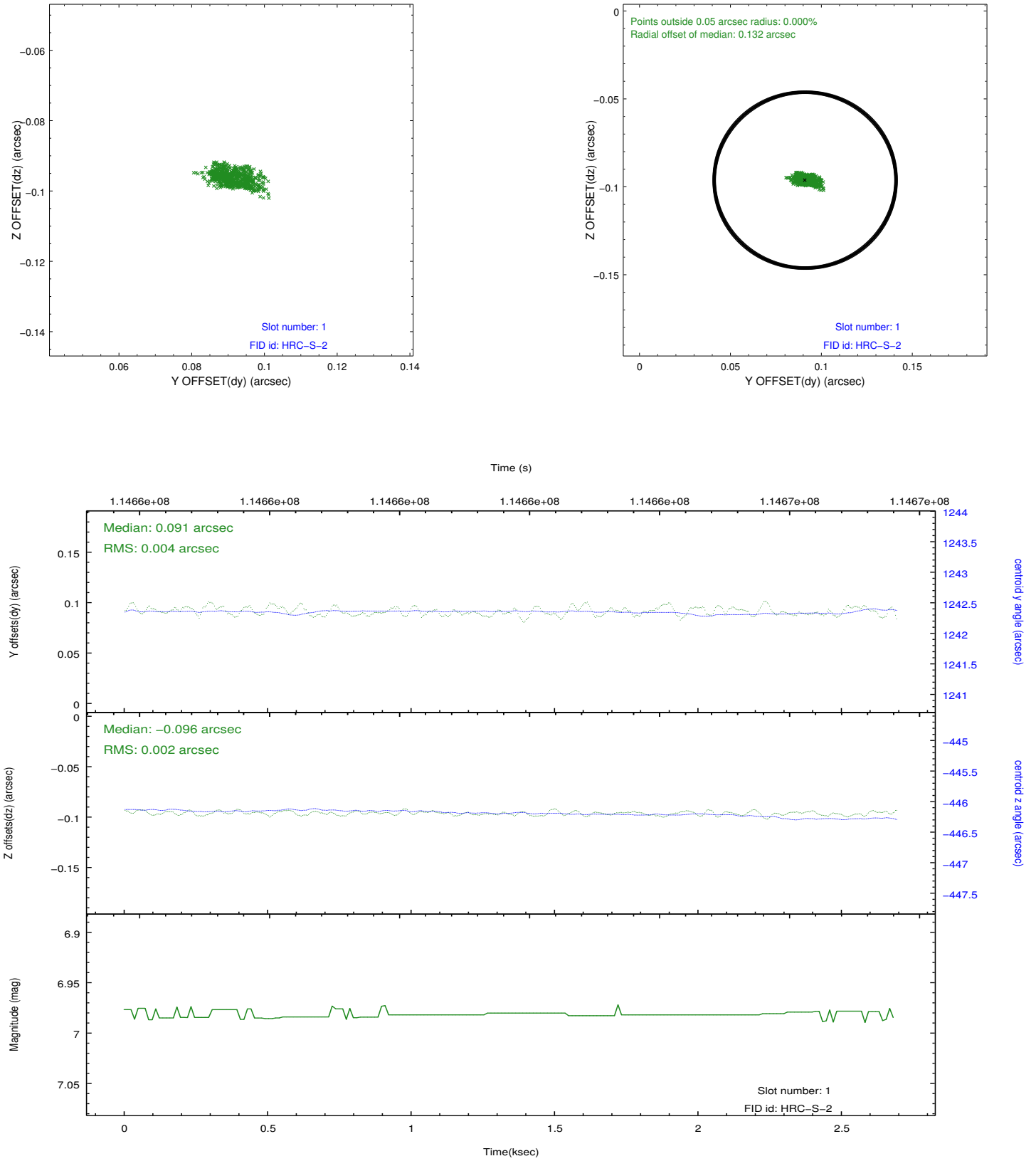


2.5 FID Slots

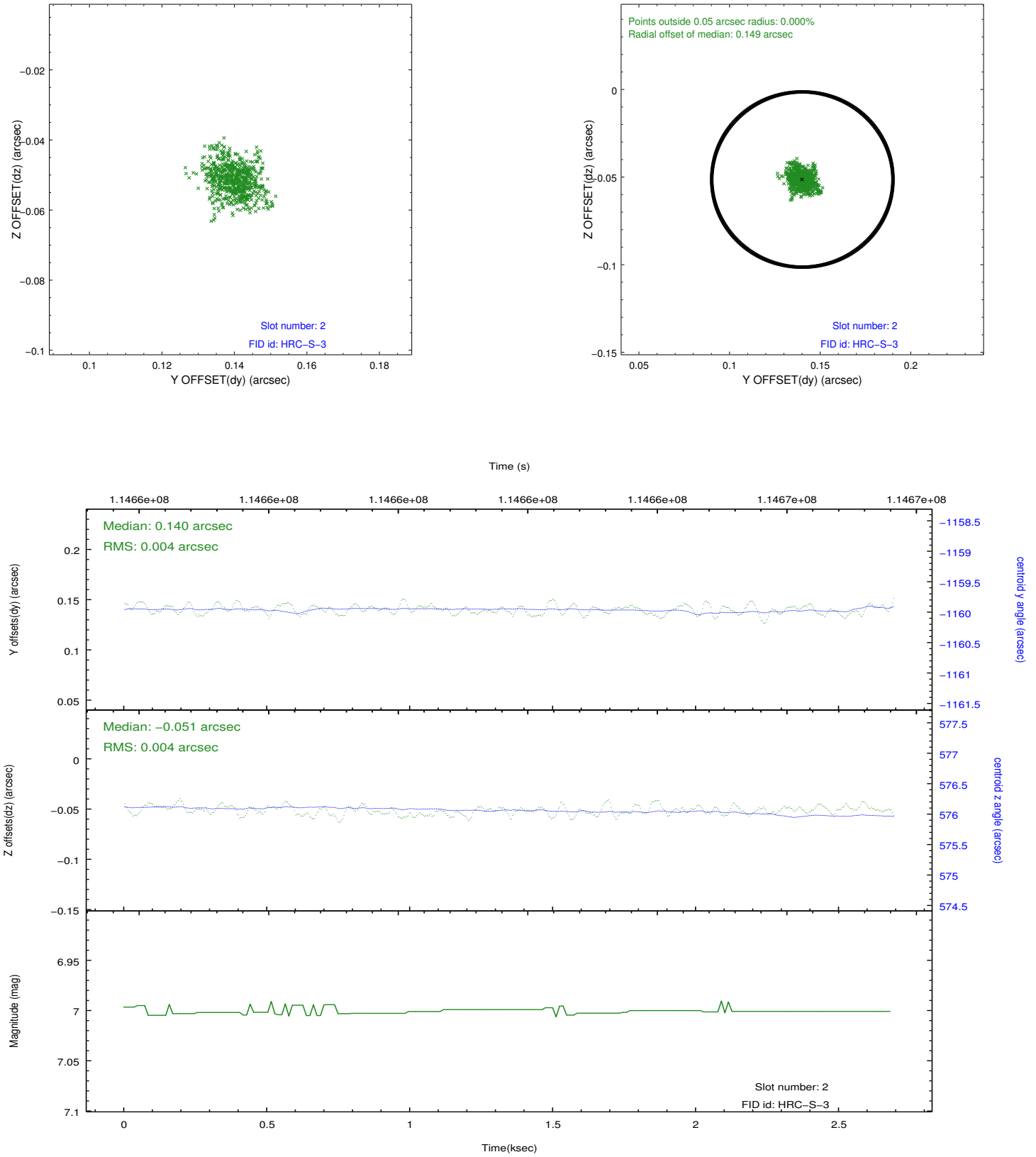
2.5.1 Slot 0



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)	2012.09.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.692

A.2 Comments

Window constraint satisfied.