

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 989 - L2 Version 3
Chandra X-Ray Center

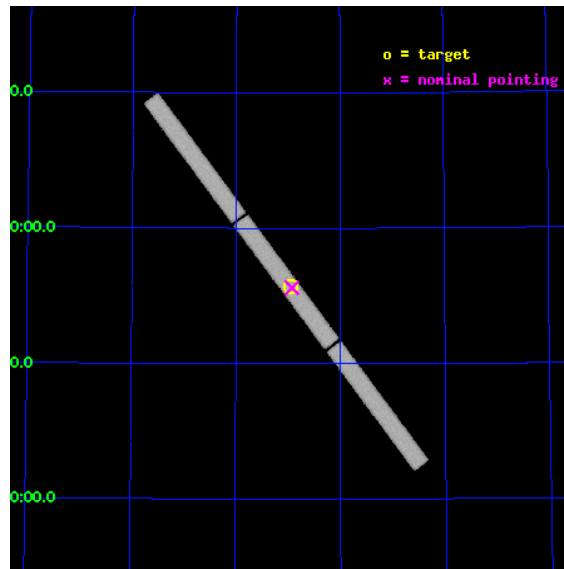
L2 Processing Date : Sep 22 2012

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1 Front

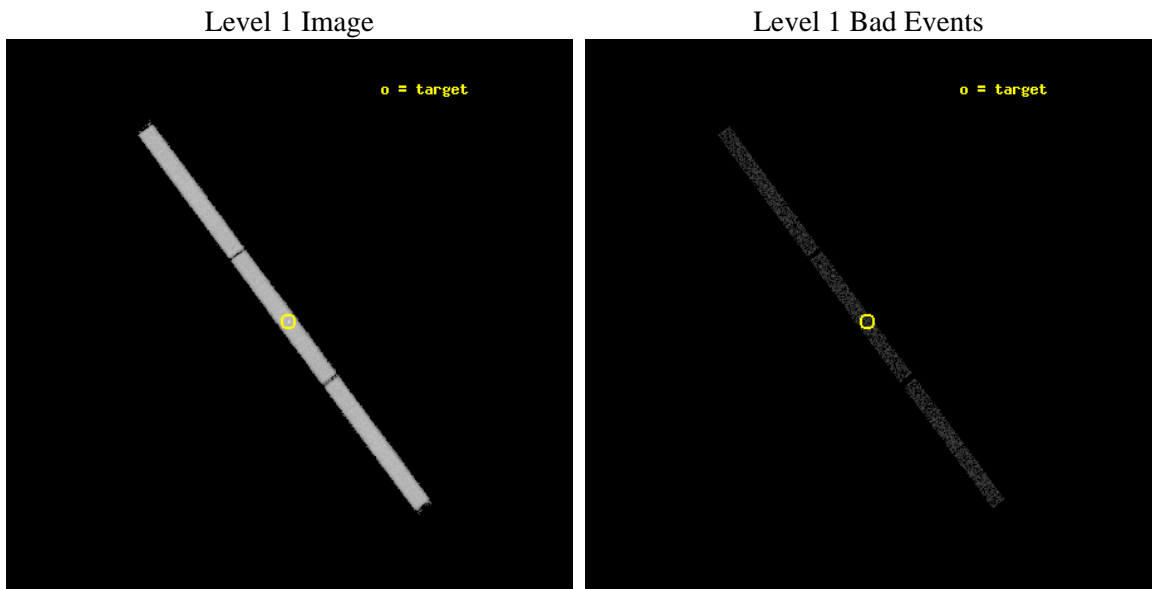
seq_num	290070	Sequence number
obs_id	989	Observation id
title	CALIBRATION OBSERVATIONS OF VEGA TO MONITOR THE TRANSMISSION OF THE OPTICAL/UV FILTERS ON ACIS AND HRC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	VEGA, HRC-S, AO2	Source name
ra_targ	279.234792	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.23140614968	Nominal RA [deg]
dec_nom	38.780380799675	Nominal Dec [deg]
roll_nom	233.20098951549	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2355.7063429058	[s]
livetime	2340.3648044925	Ontime multiplied by DTCOR
l2events	122249	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	2355.7063429058	[s]
caldsver	4.5.1.1	 	l1events	183542	Number of level 1 events
date	2012-09-22T07:23:11	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

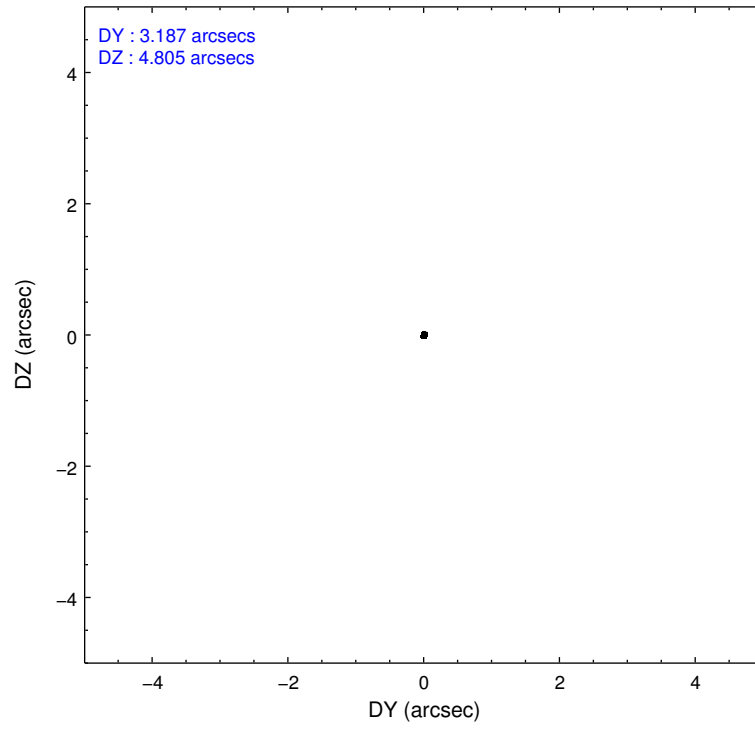
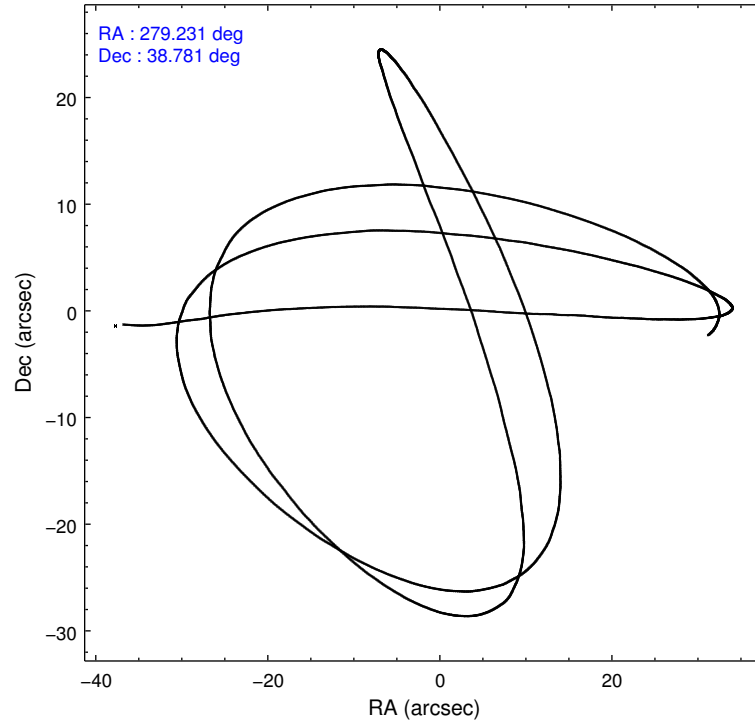
	segment 1	segment 2	segment 3
level 1 events	60621	61854	61067
rejected events	3986	6446	4043
rejected %	6%	10%	6%

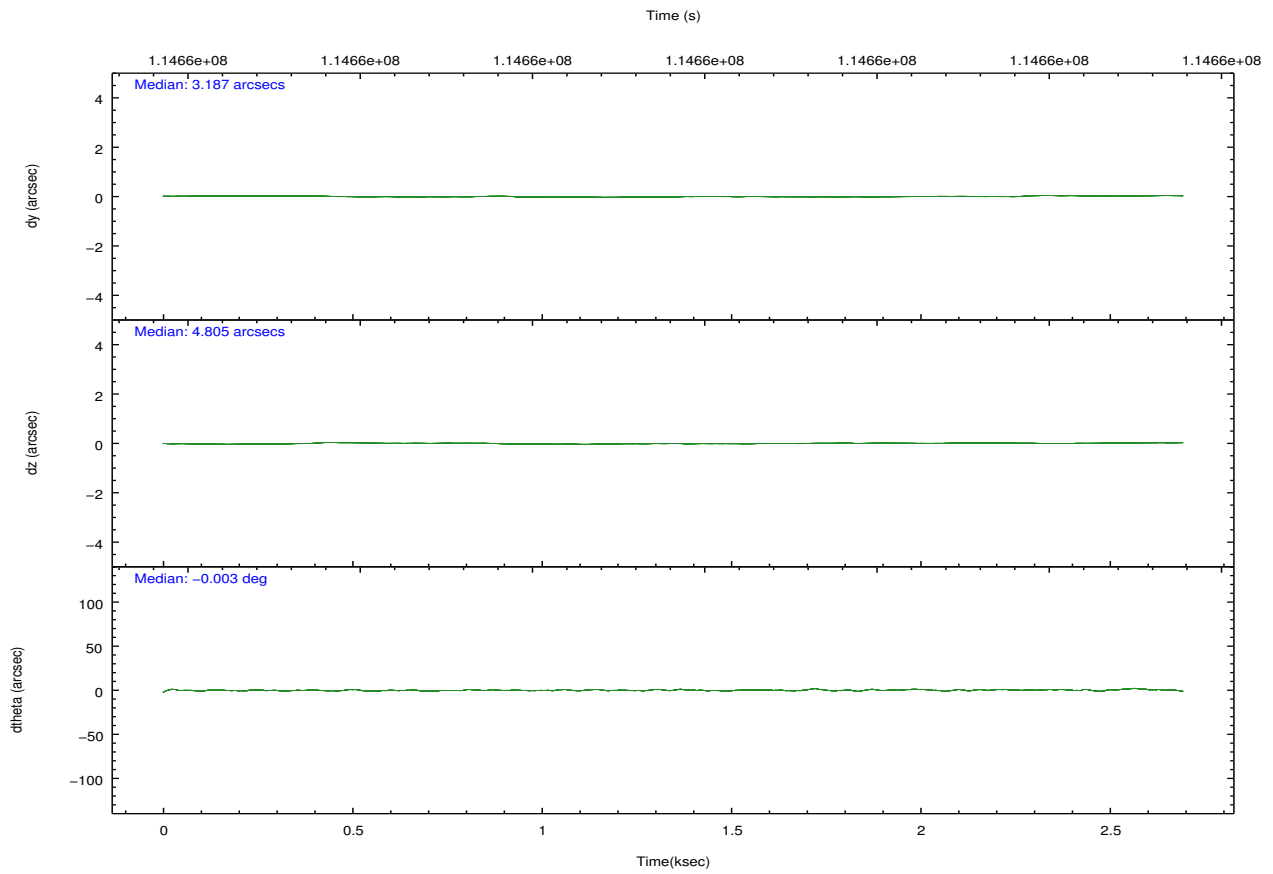
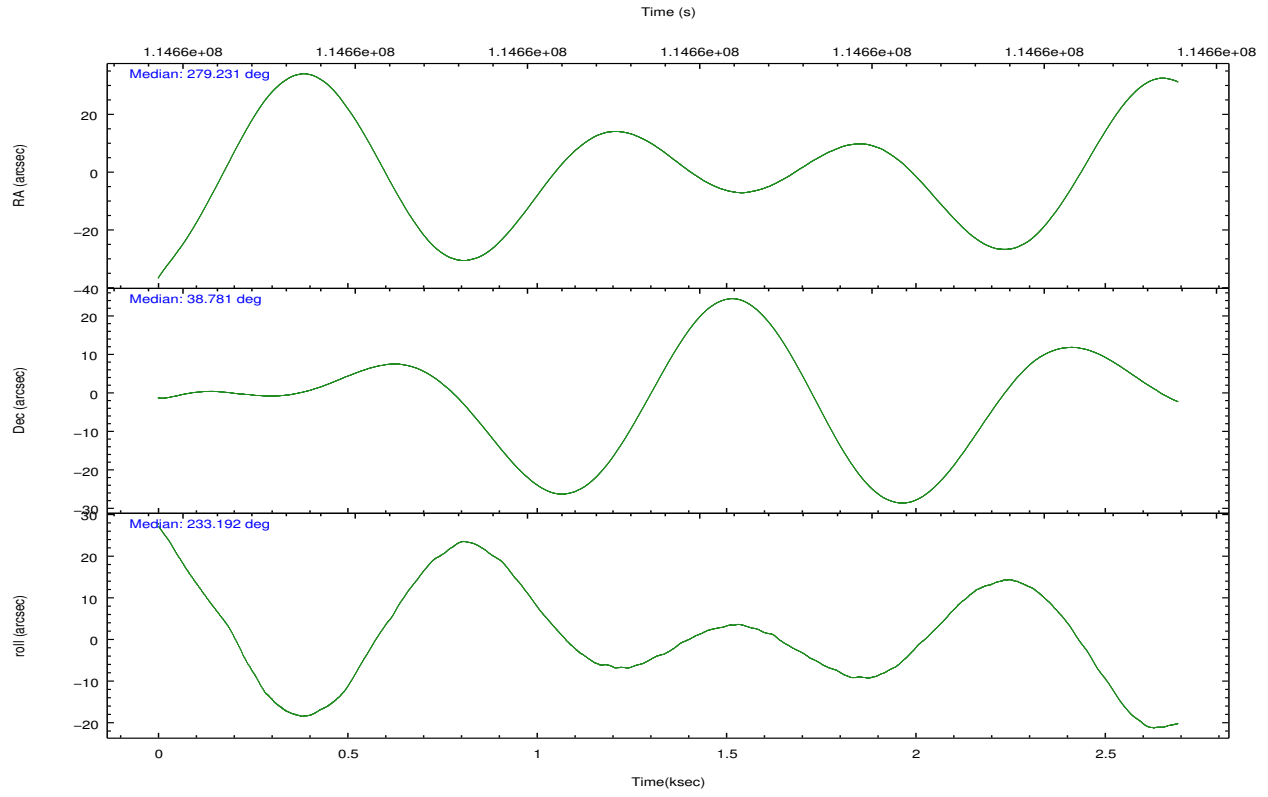
2.2 Compared Parameters

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	279.233594	279.2314061496821
[deg] Pointing Dec	38.808655	38.78038079967469
[deg] Pointing Roll	233.132277	233.2009895154899
[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)	114657255.184000	114656880.22637
Observation start date	2001-08-20T01:13:11	2001-08-20T01:08:00
[s] Observation end time (MET)	114659755.184000	114659889.62649
Observation end date	2001-08-20T01:54:51	2001-08-20T01:58:09

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

2.3 Aspect



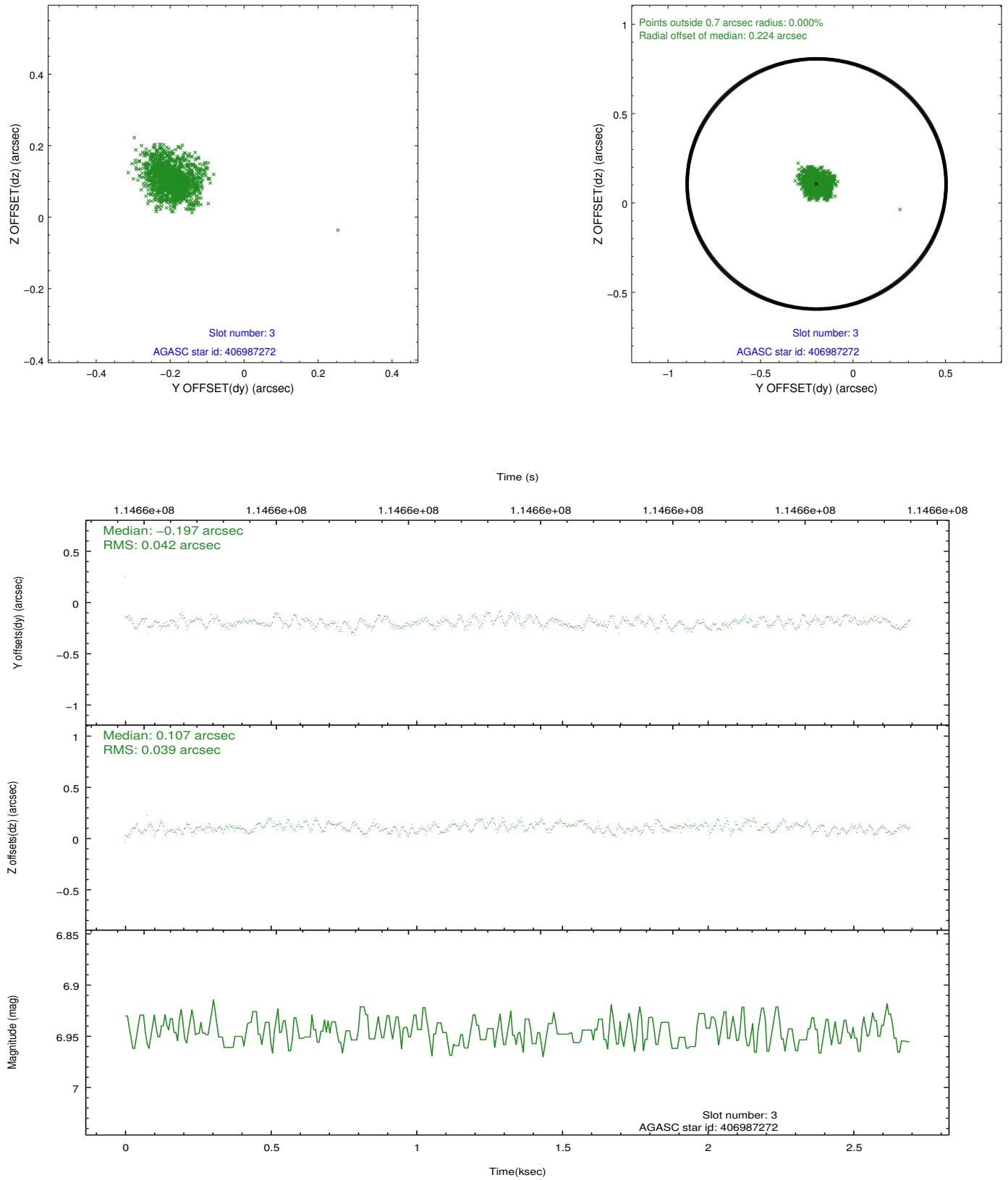


Slot Statistics

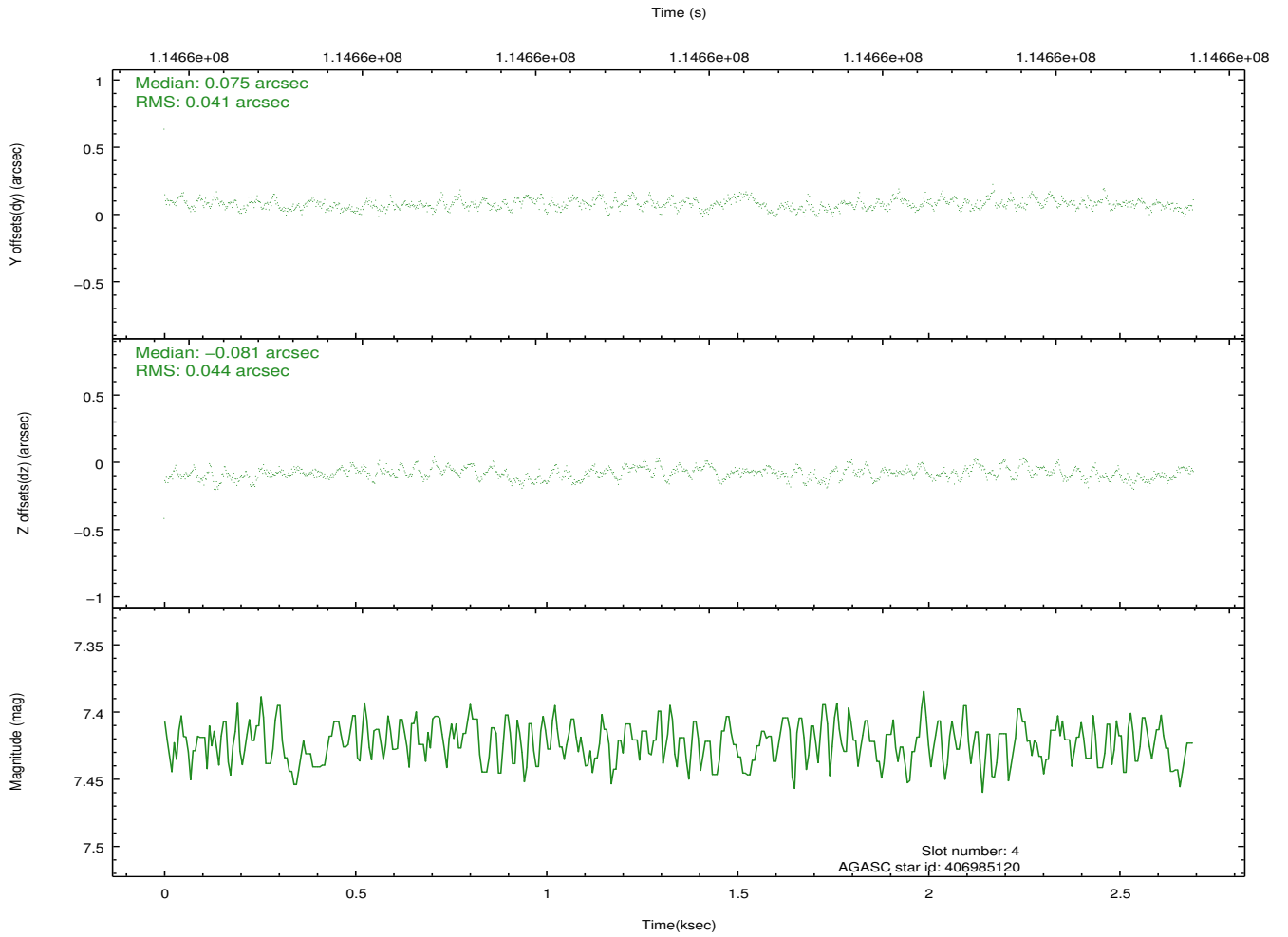
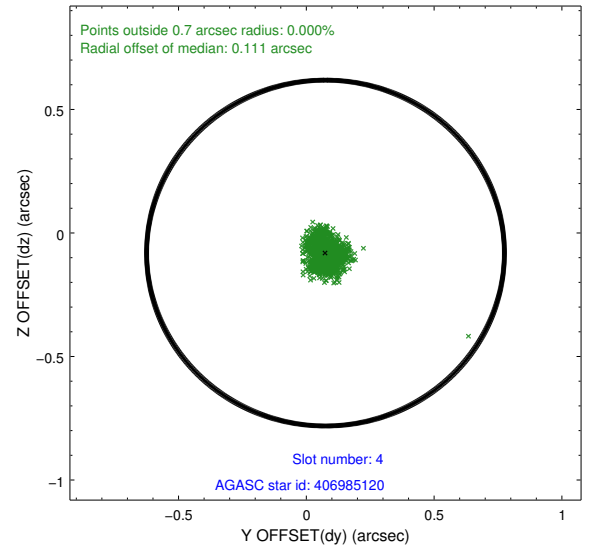
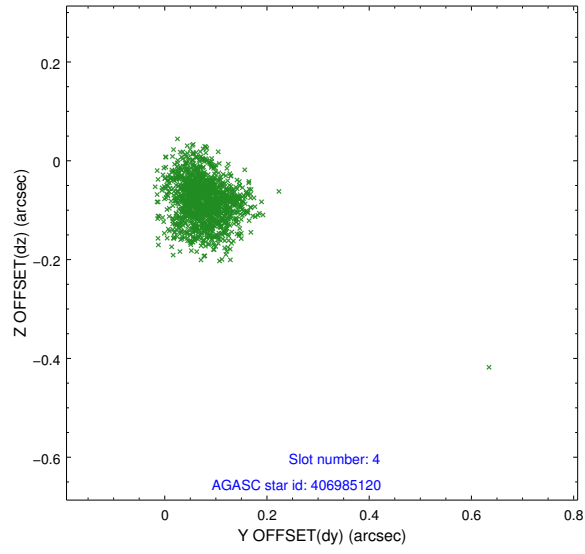
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	657	0.160	-0.149	0.006	0.011	0.000000	0.000000	-1157.21	-453.29
1	FID	HRC-S-2	6.98	657	0.088	-0.096	0.005	0.008	0.000000	0.000000	1240.61	-446.60
2	FID	HRC-S-3	7.00	657	0.141	-0.058	0.007	0.010	0.000000	0.000000	-1158.05	575.64
3	GUIDE	406987272	6.95	1315	-0.197	0.107	0.060	0.094	278.536588	38.437504	2243.99	-774.73
4	GUIDE	406985120	7.42	1315	0.075	-0.081	0.063	0.098	278.839732	38.894839	415.86	-1070.89
5	GUIDE	406989616	8.22	1315	0.080	-0.046	0.058	0.099	279.202881	38.520843	883.05	551.87
6	GUIDE	406983600	8.93	1315	0.007	0.054	0.076	0.118	279.940957	39.020708	-1801.42	1120.75
7	GUIDE	406980288	9.32	1313	0.036	-0.041	0.088	0.141	278.903147	39.061646	-175.47	-1285.49

2.4 Star Slots

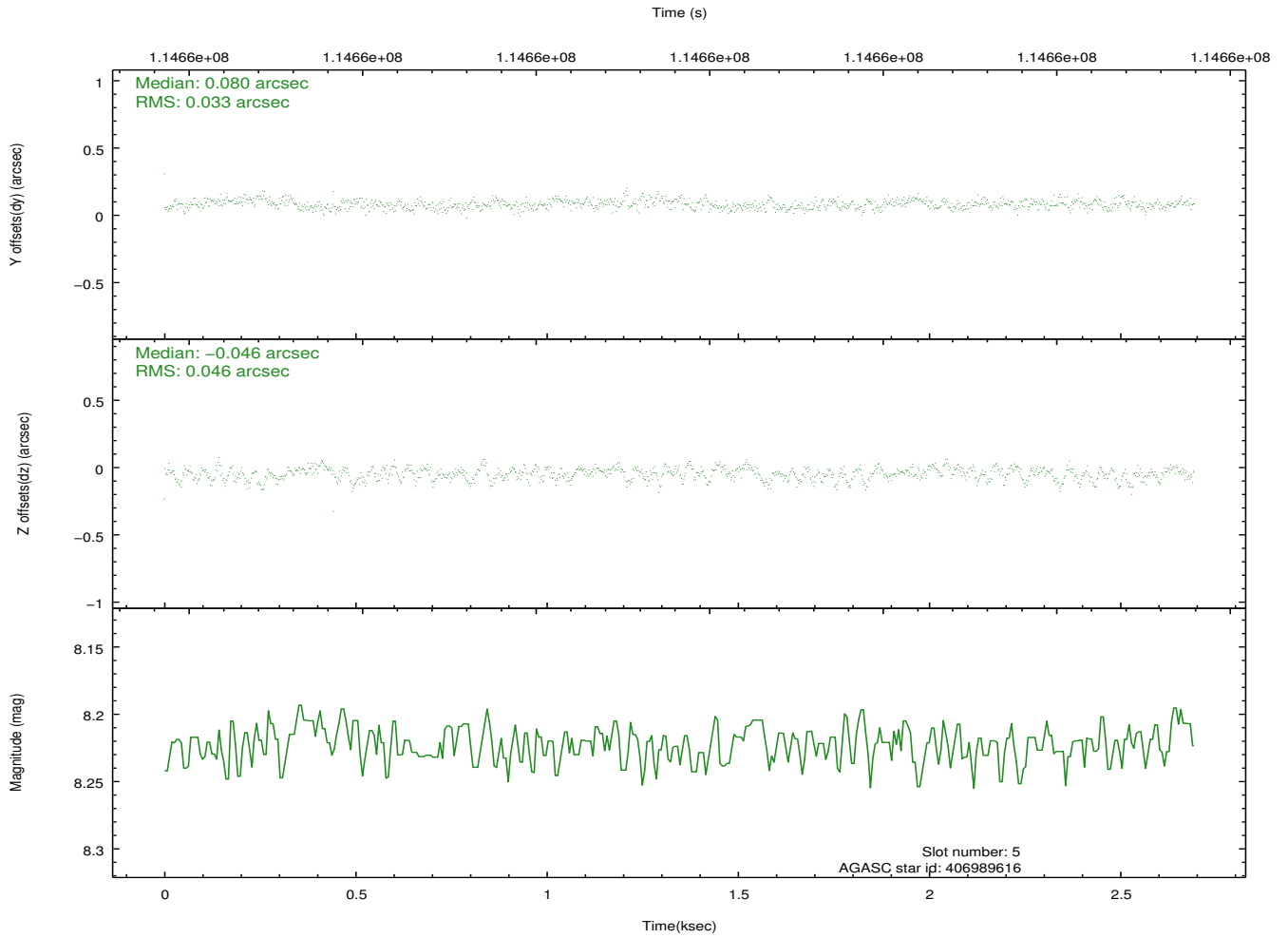
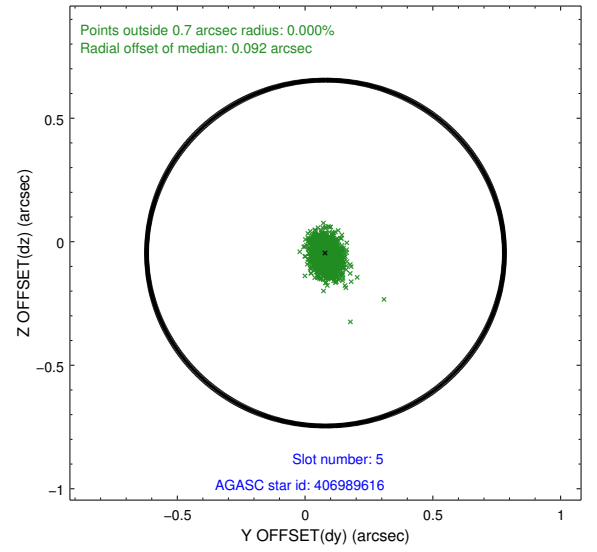
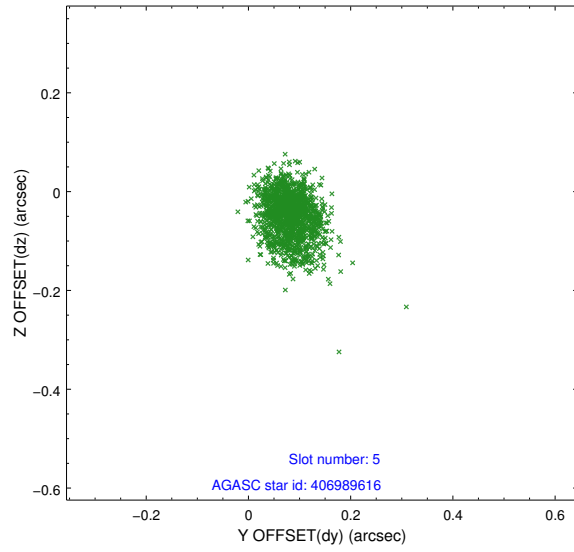
2.4.1 Slot 3



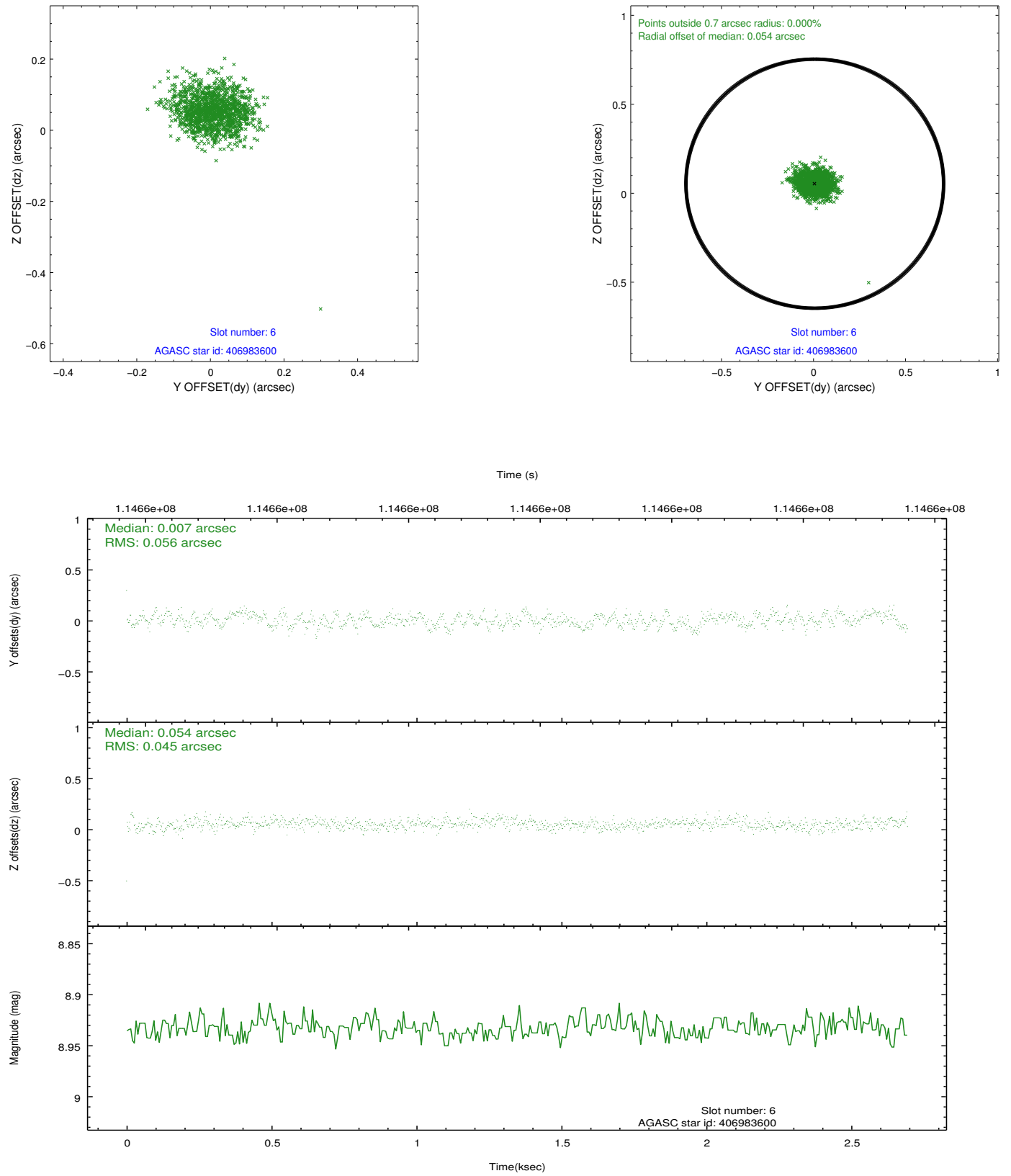
2.4.2 Slot 4



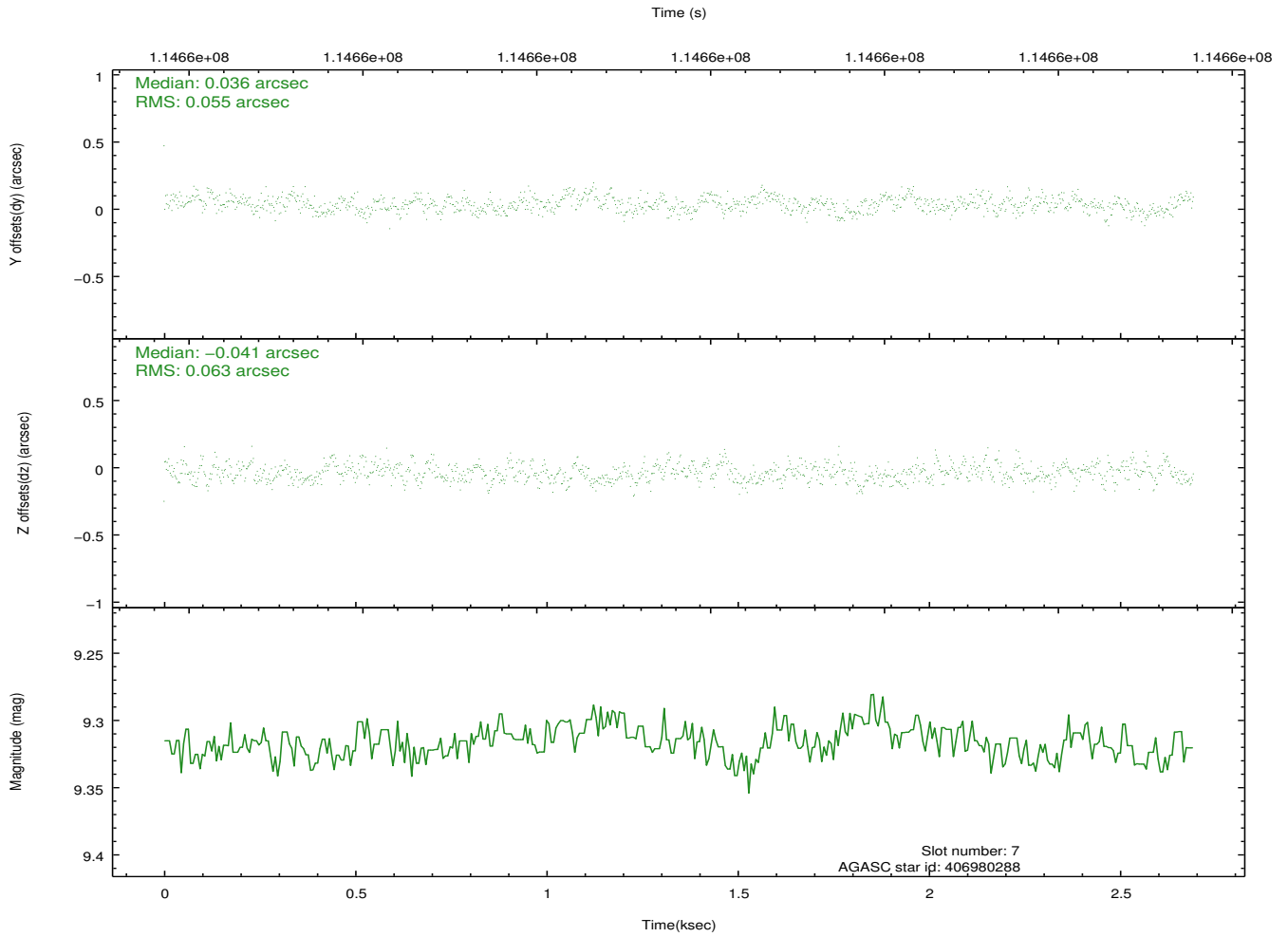
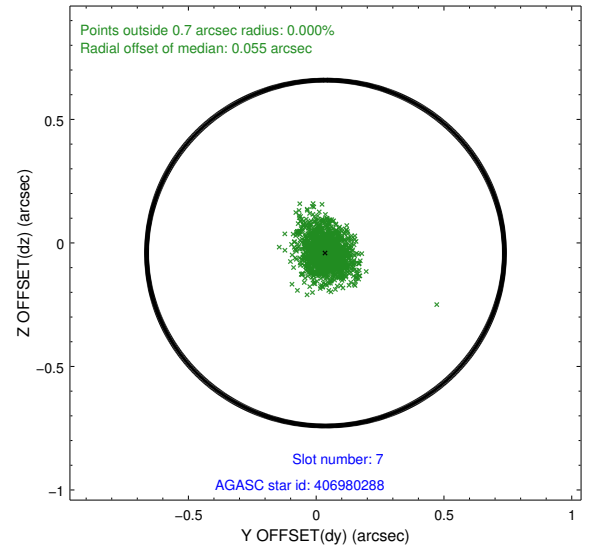
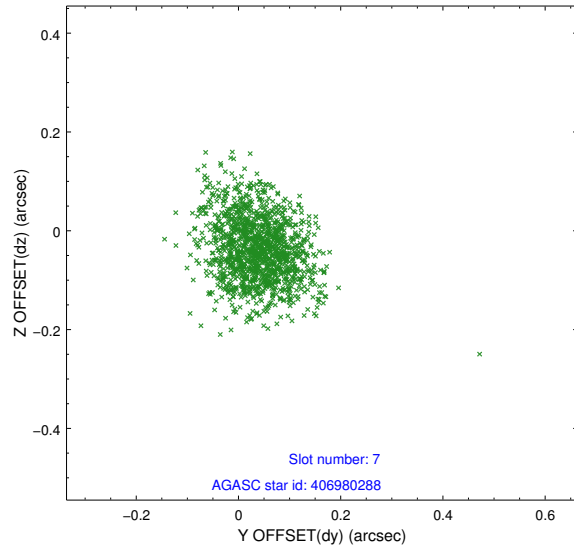
2.4.3 Slot 5



2.4.4 Slot 6

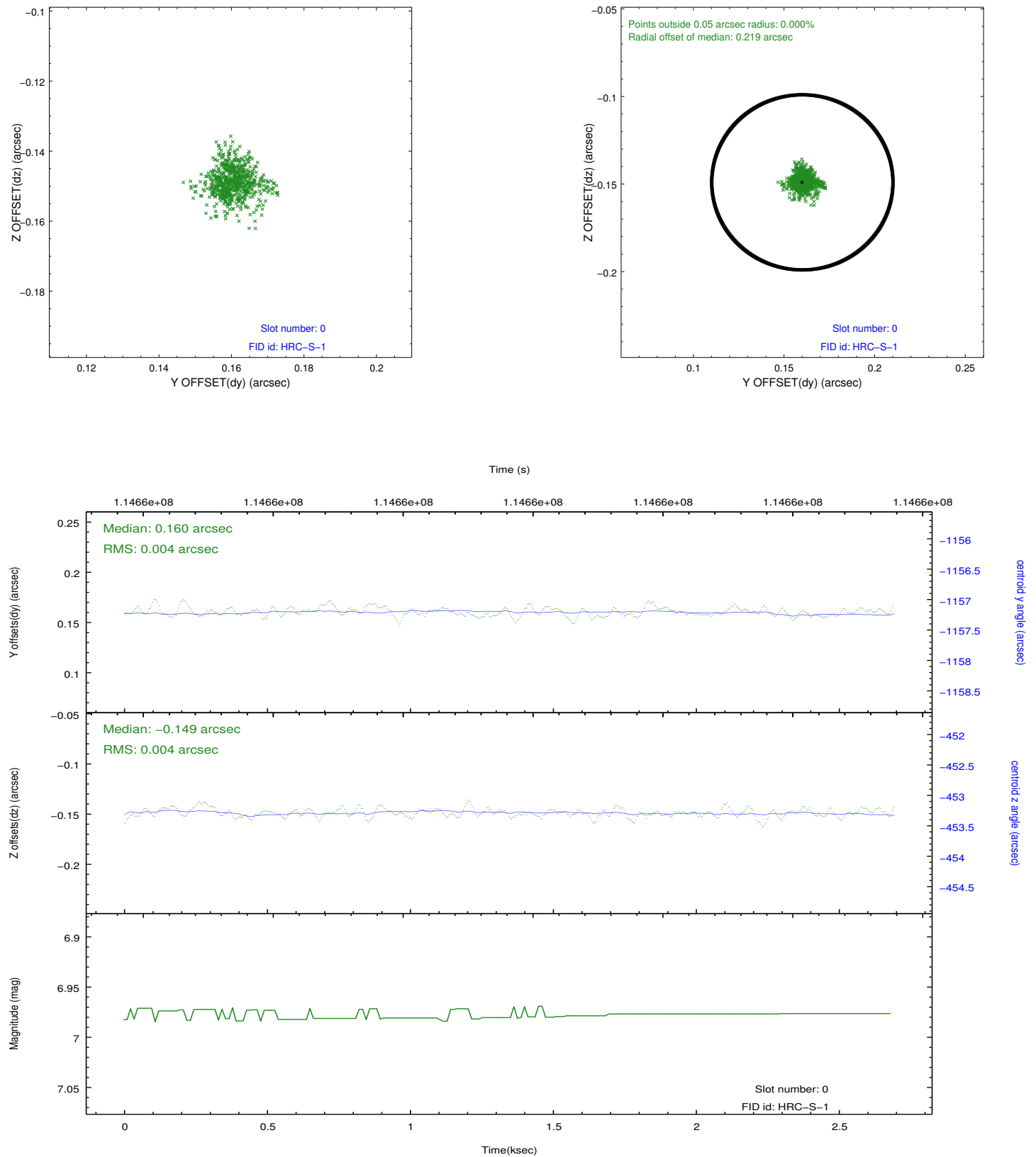


2.4.5 Slot 7

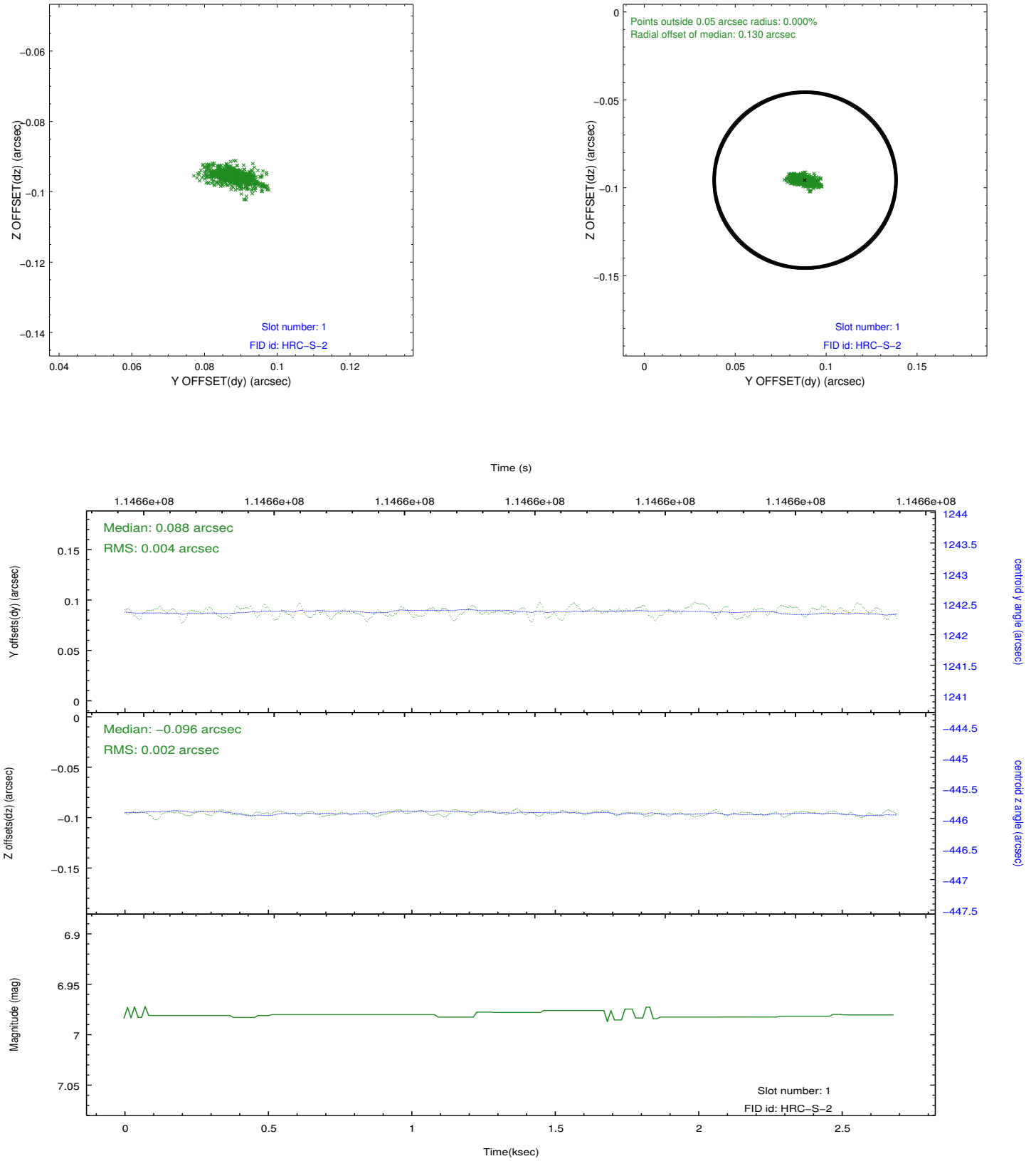


2.5 FID Slots

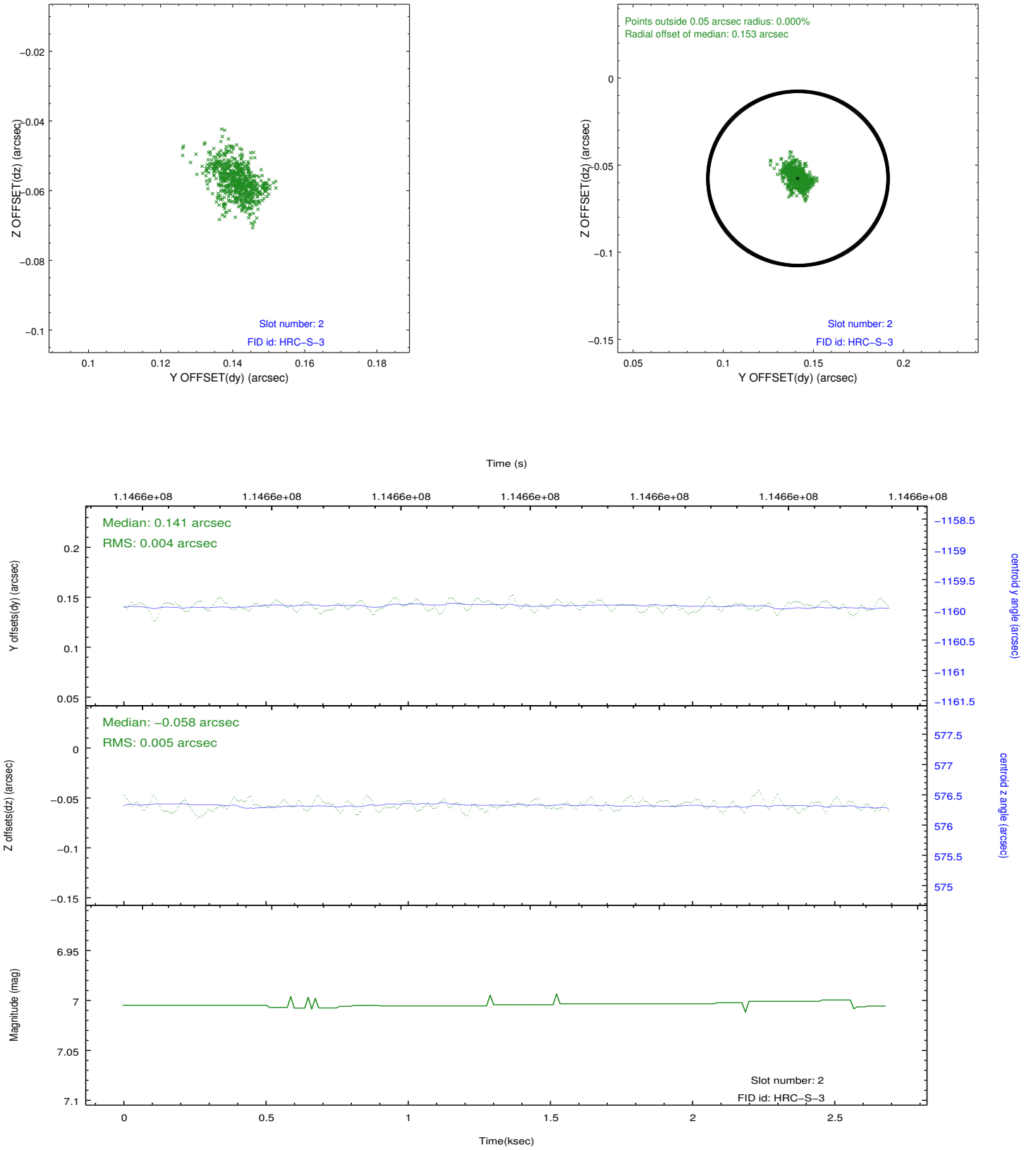
2.5.1 Slot 0



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	2.356

A.2 Comments

Window constraint met.