

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9632 - L2 Version 3
Chandra X-Ray Center

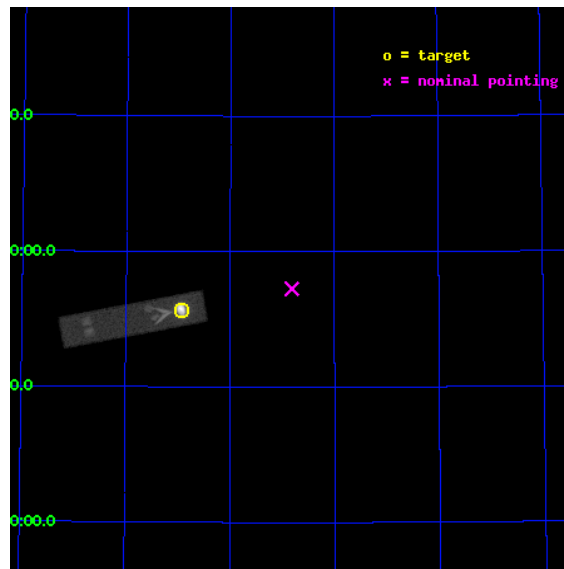
L2 Processing Date : Aug 12 2012

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1 Front

seq_num	290755	Sequence number
obs_id	9632	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	278.70373425074	Nominal RA [deg]
dec_nom	38.863202774924	Nominal Dec [deg]
roll_nom	169.37758957646	Nominal Roll [deg]
revision	3	Processing version of data
ontime	2178.3813565373	[s]
livetime	834.32426299113	Ontime multiplied by DTCOR
l2events	387143	Number of level 2 events

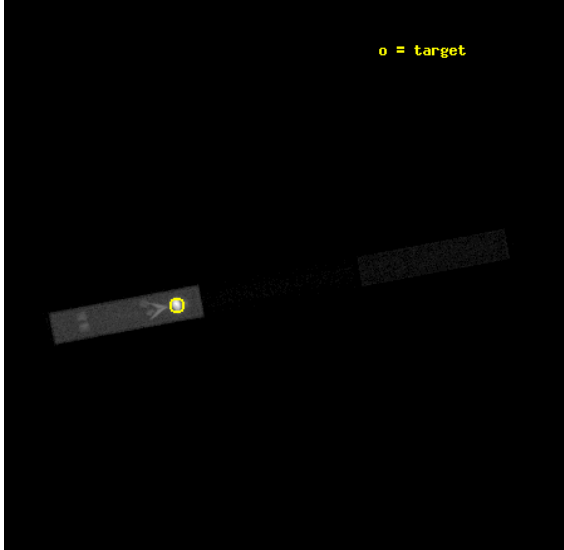


2 OBI

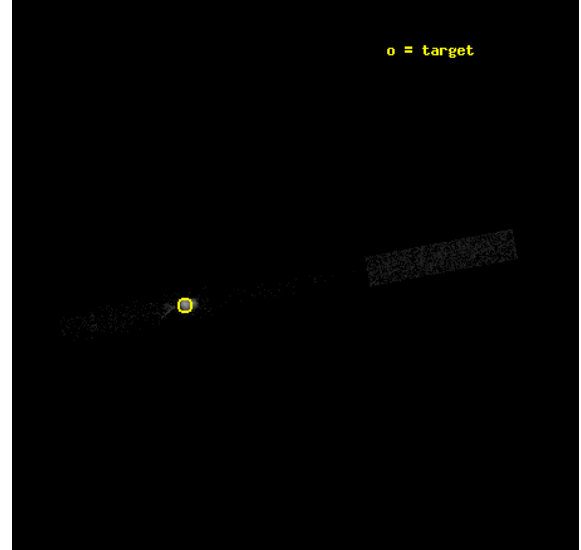
2.1 OBI

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	2178.3813565373	[s]
caldbver	4.5.1.1	 	l1events	452959	Number of level 1 events
date	2012-08-12T13:48:19	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

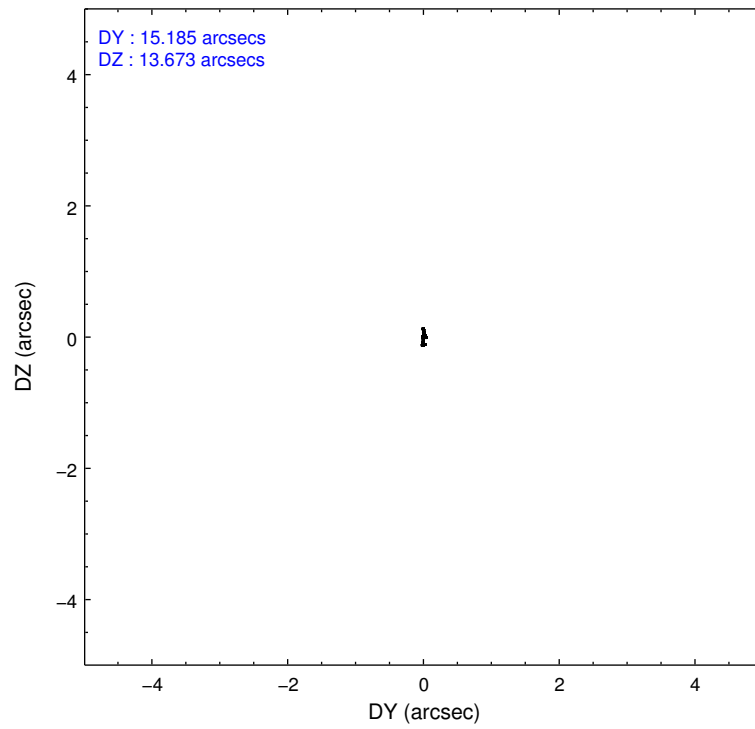
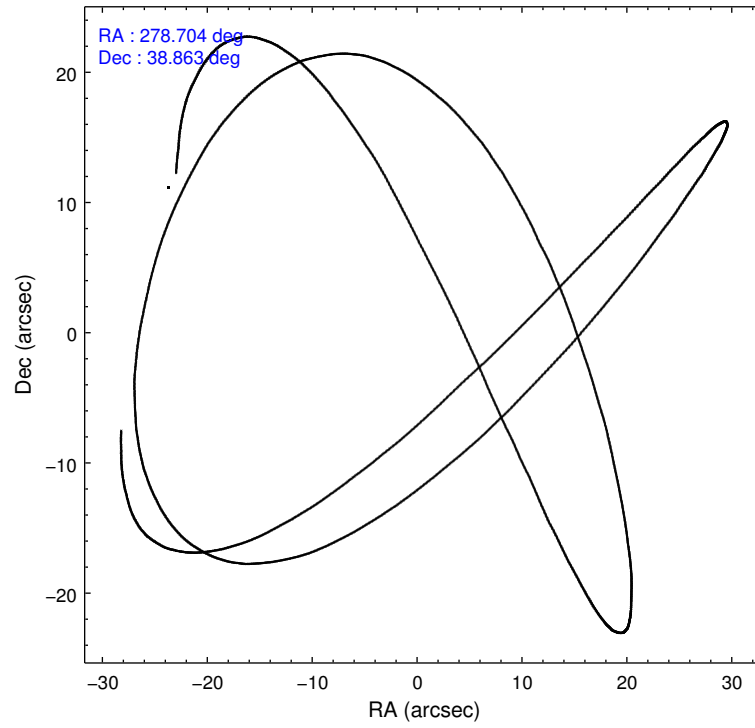
Level 1 Events

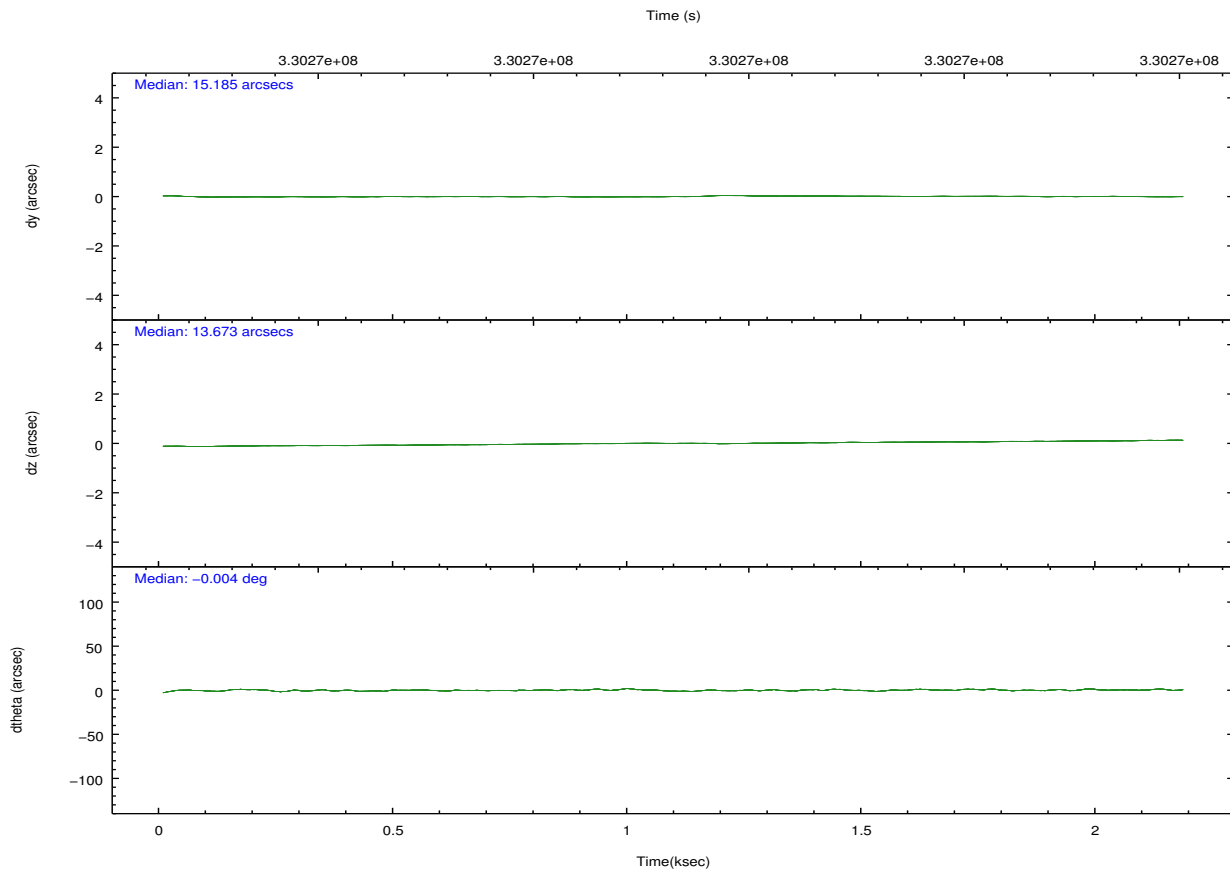
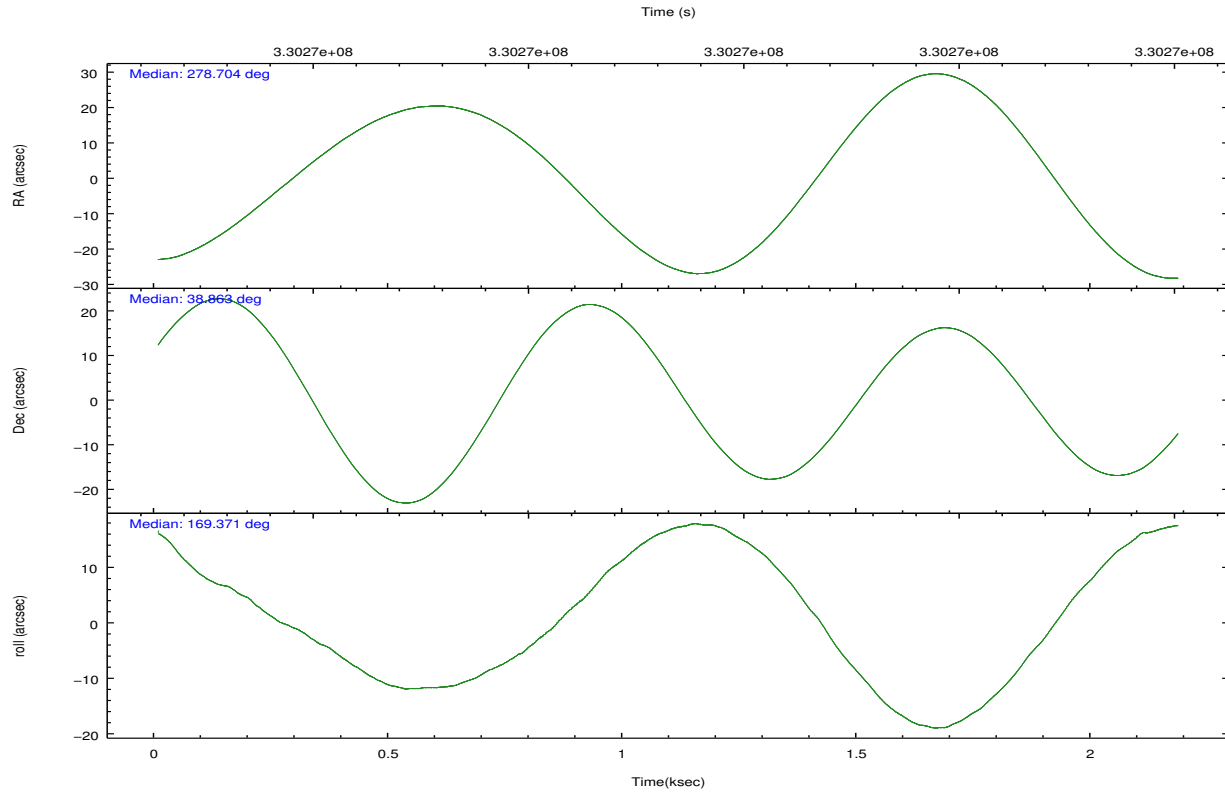
	segment 1	segment 2	segment 3
level 1 events	447204	336	5419
rejected events	45550	319	5354
rejected %	10%	94%	98%

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	278.737896	278.7037342507444			
[deg] Pointing Dec	38.874076	38.86320277492354			
[deg] Pointing Roll	169.288811	169.3775895764592			
[s] Window start time (MET)	328665665.184000	328665665.184000			
[s] Window stop time (MET)	336528065.184000	336528065.184000			
[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)	330268925.184000	330268549.84472			
Observation start date	2008-06-19T13:21:00	2008-06-19T13:15:49			
[s] Observation end time (MET)	330270925.184000	330271060.58234			
Observation end date	2008-06-19T13:54:20	2008-06-19T13:57:40			

2.3 Aspect



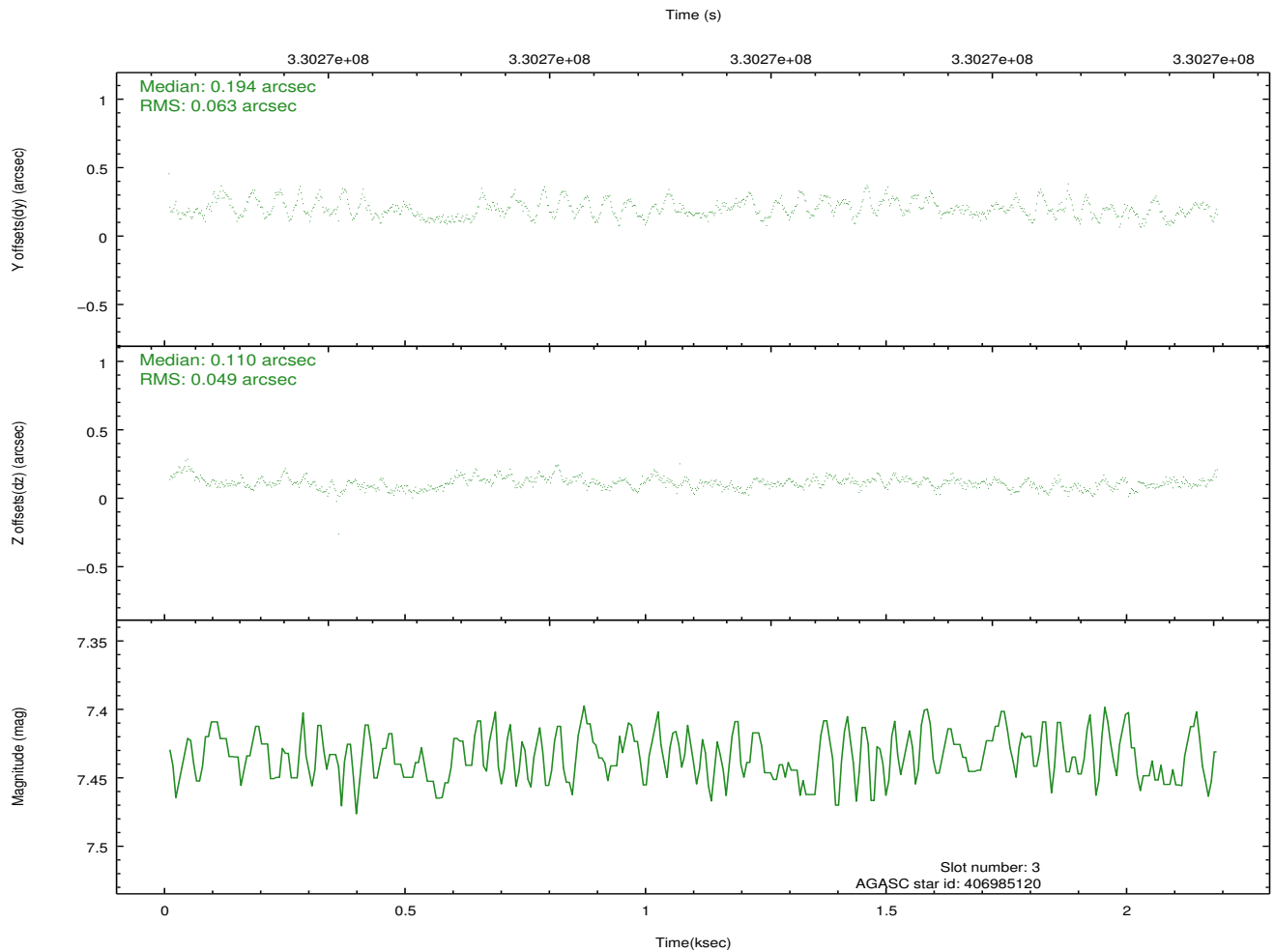
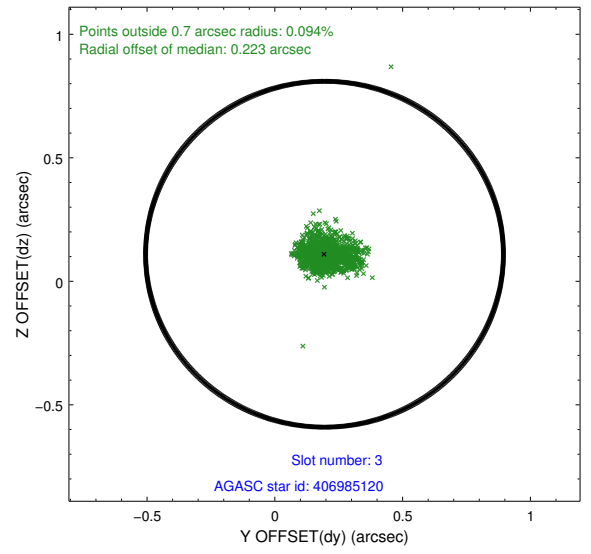
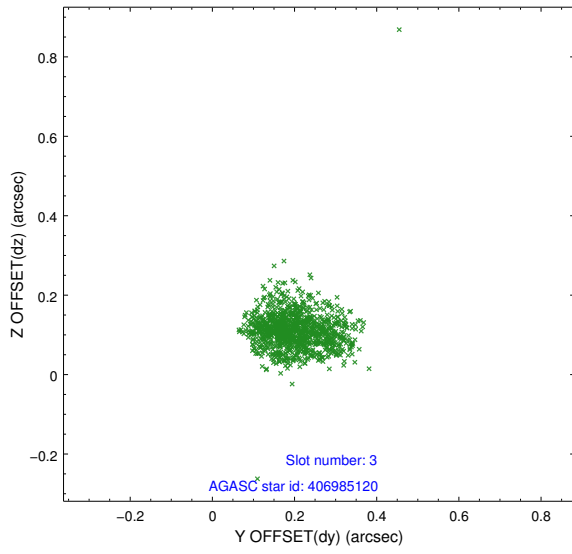


Slot Statistics

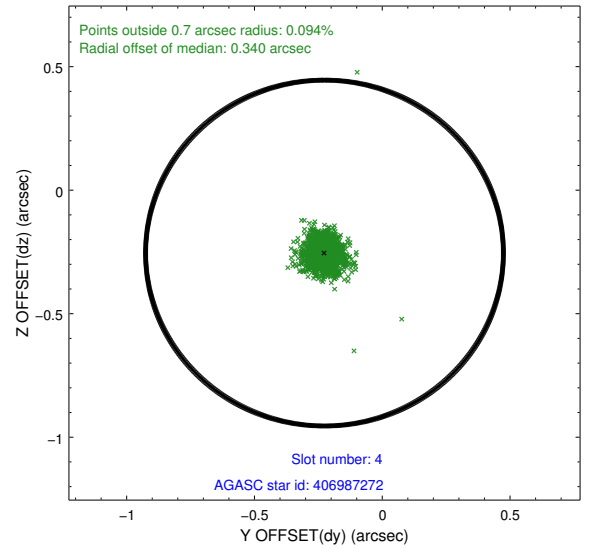
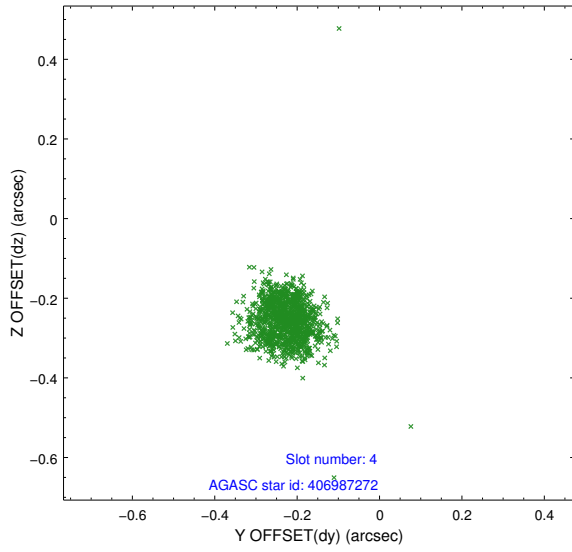
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	532	0.072	-0.176	0.007	0.012	0.000000	0.000000	-1169.59	-462.51
1	FID	HRC-S-2	6.97	532	0.198	-0.105	0.005	0.011	0.000000	0.000000	1227.99	-455.92
2	FID	HRC-S-3	7.00	532	0.119	-0.021	0.007	0.012	0.000000	0.000000	-1169.97	566.31
3	GUIDE	406985120	7.43	1064	0.194	0.110	0.081	0.130	278.839732	38.894839	-266.10	-126.40
4	GUIDE	406987272	6.93	1064	-0.226	-0.255	0.070	0.110	278.536588	38.437504	265.56	1648.59
5	GUIDE	406987656	8.69	1064	-0.006	-0.075	0.074	0.125	277.865333	38.378958	2090.75	2199.72
6	GUIDE	407510432	8.13	1063	0.062	0.090	0.072	0.123	278.762778	39.530640	373.86	-2332.96
7	GUIDE	407521232	8.63	1062	-0.032	0.126	0.089	0.145	279.628883	39.431715	-2058.26	-2447.14

2.4 Star Slots

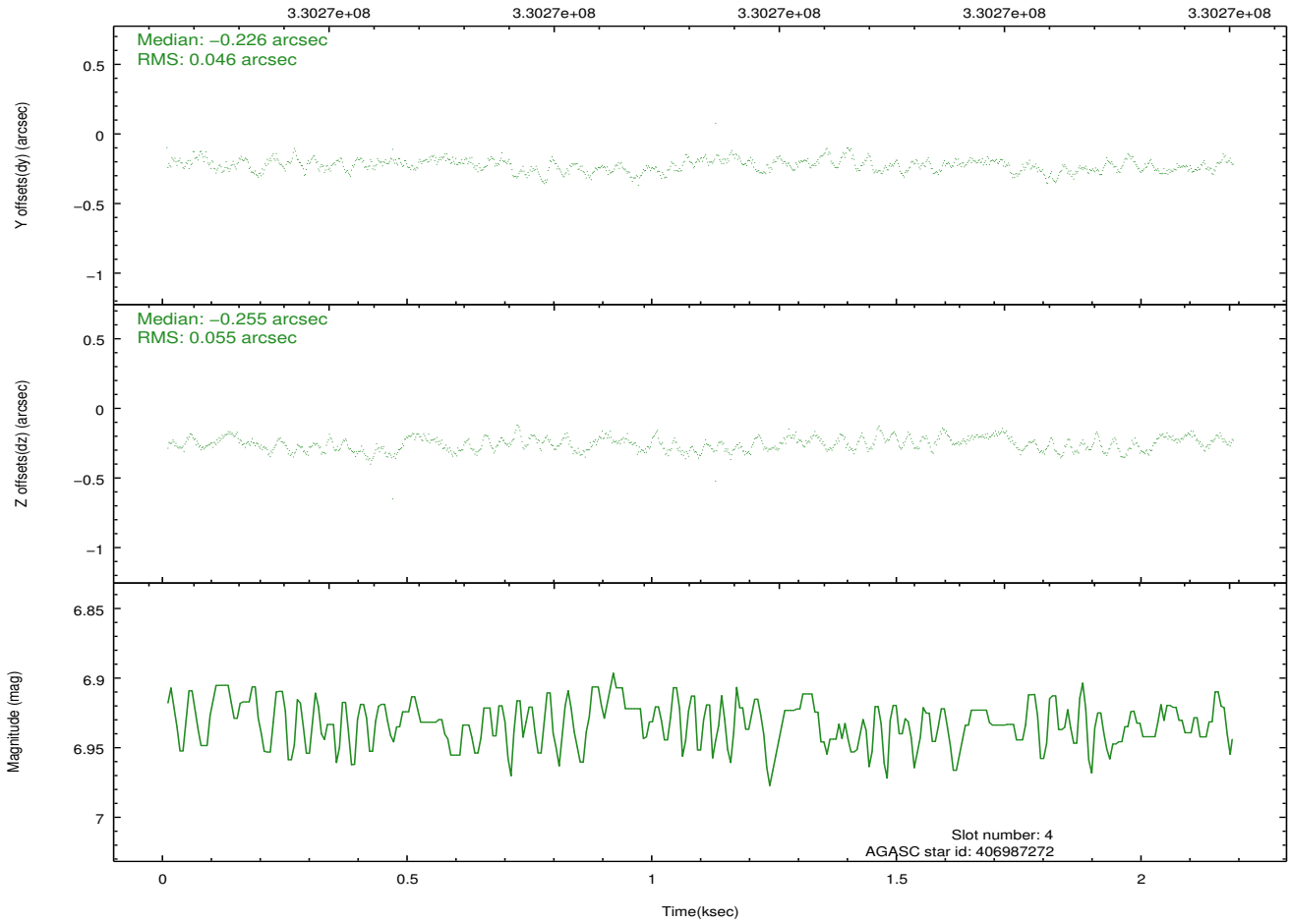
2.4.1 Slot 3



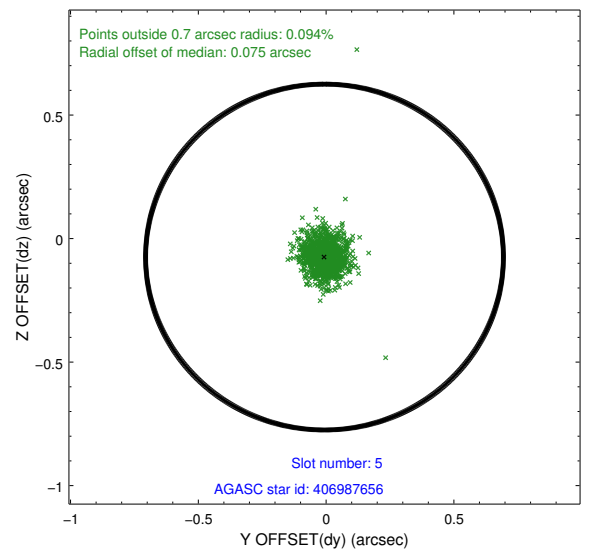
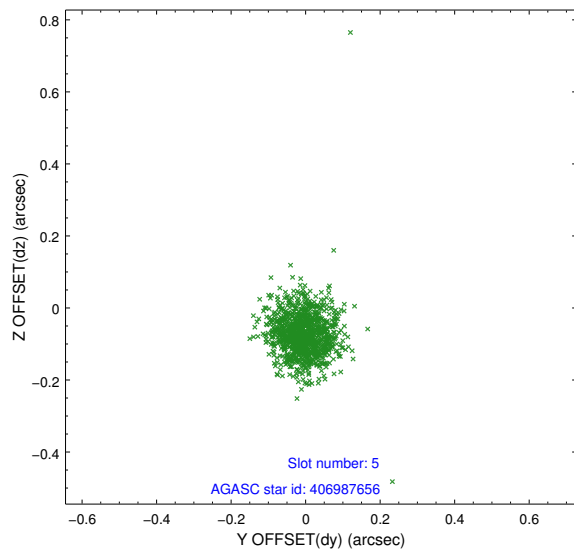
2.4.2 Slot 4



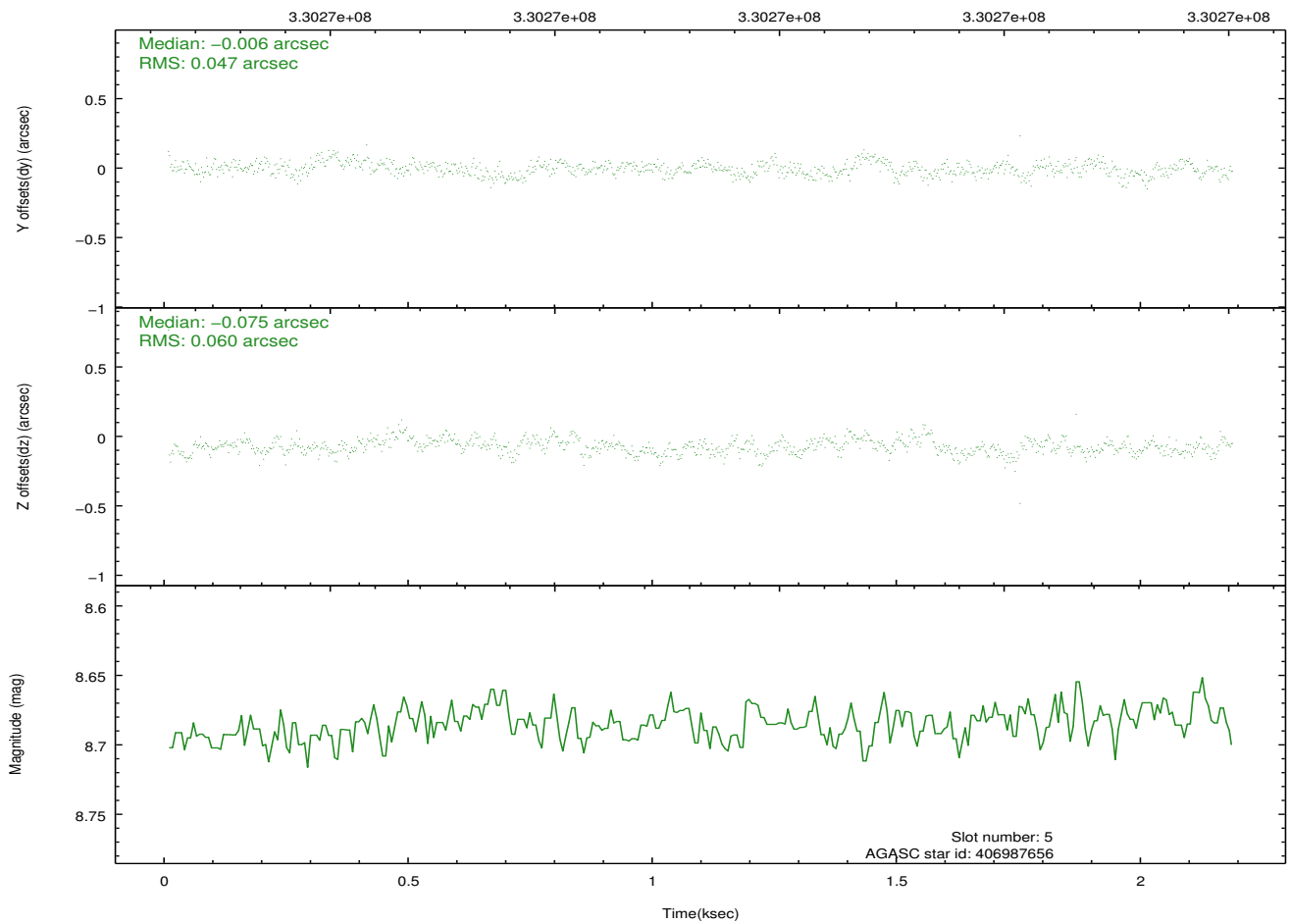
Time (s)



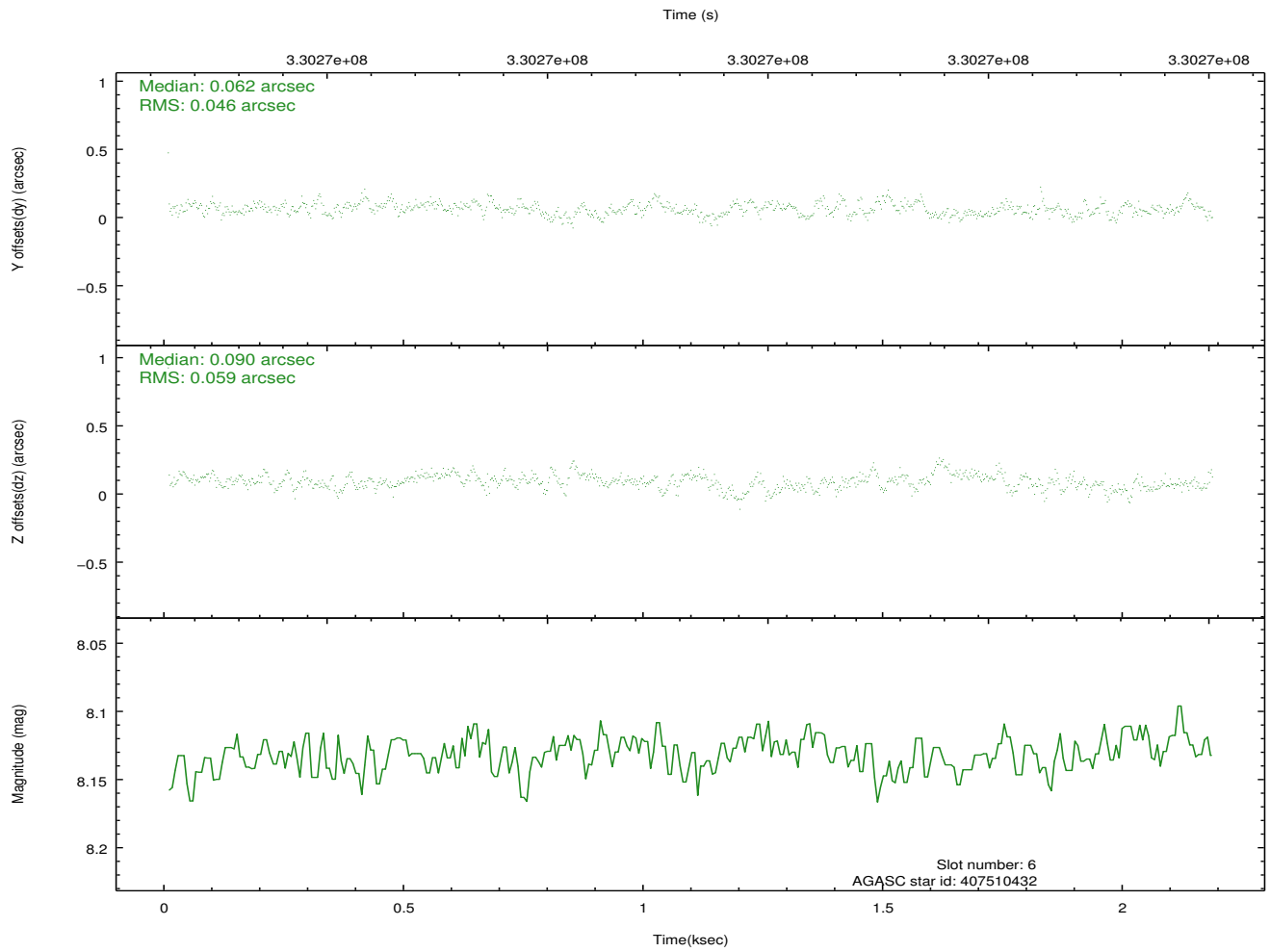
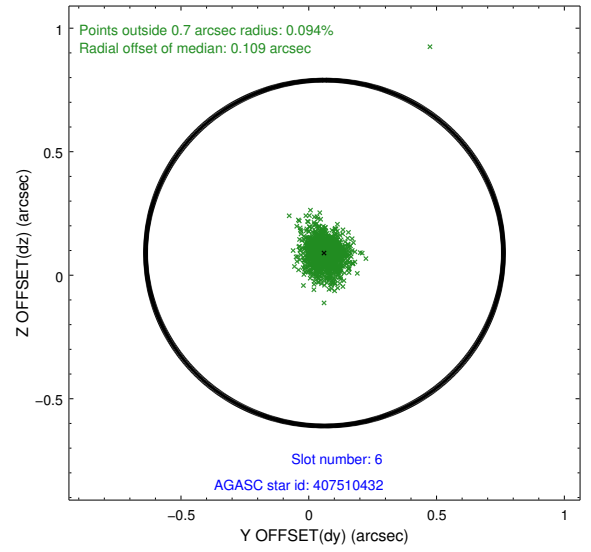
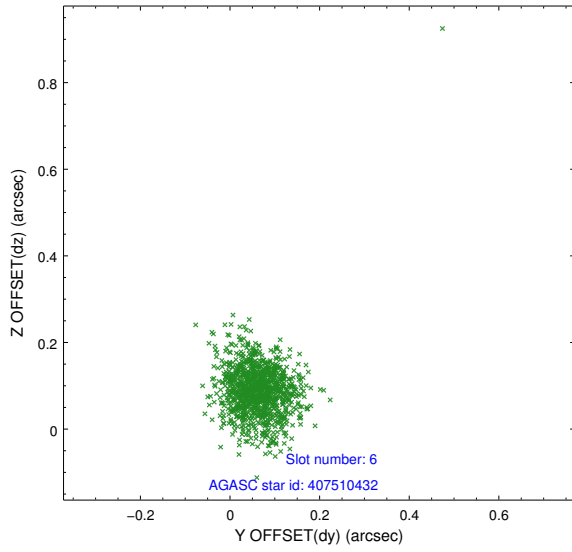
2.4.3 Slot 5



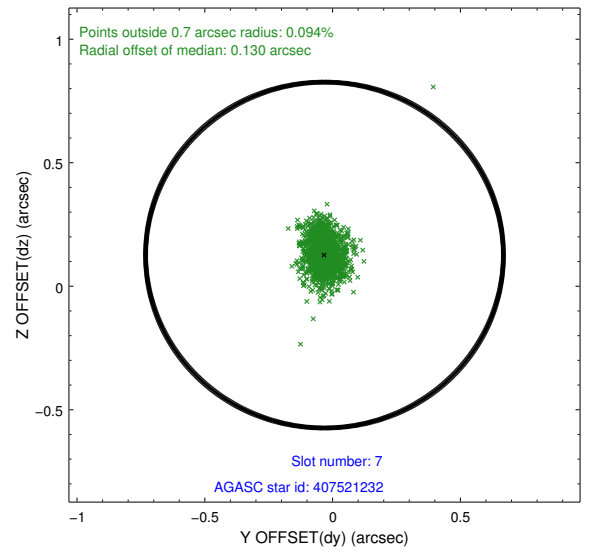
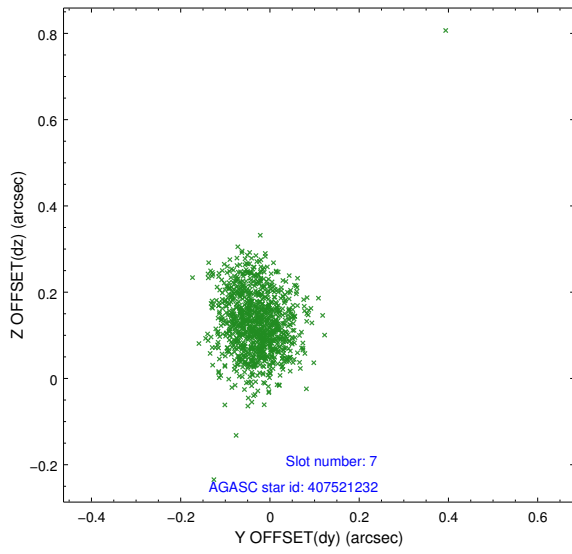
Time (s)



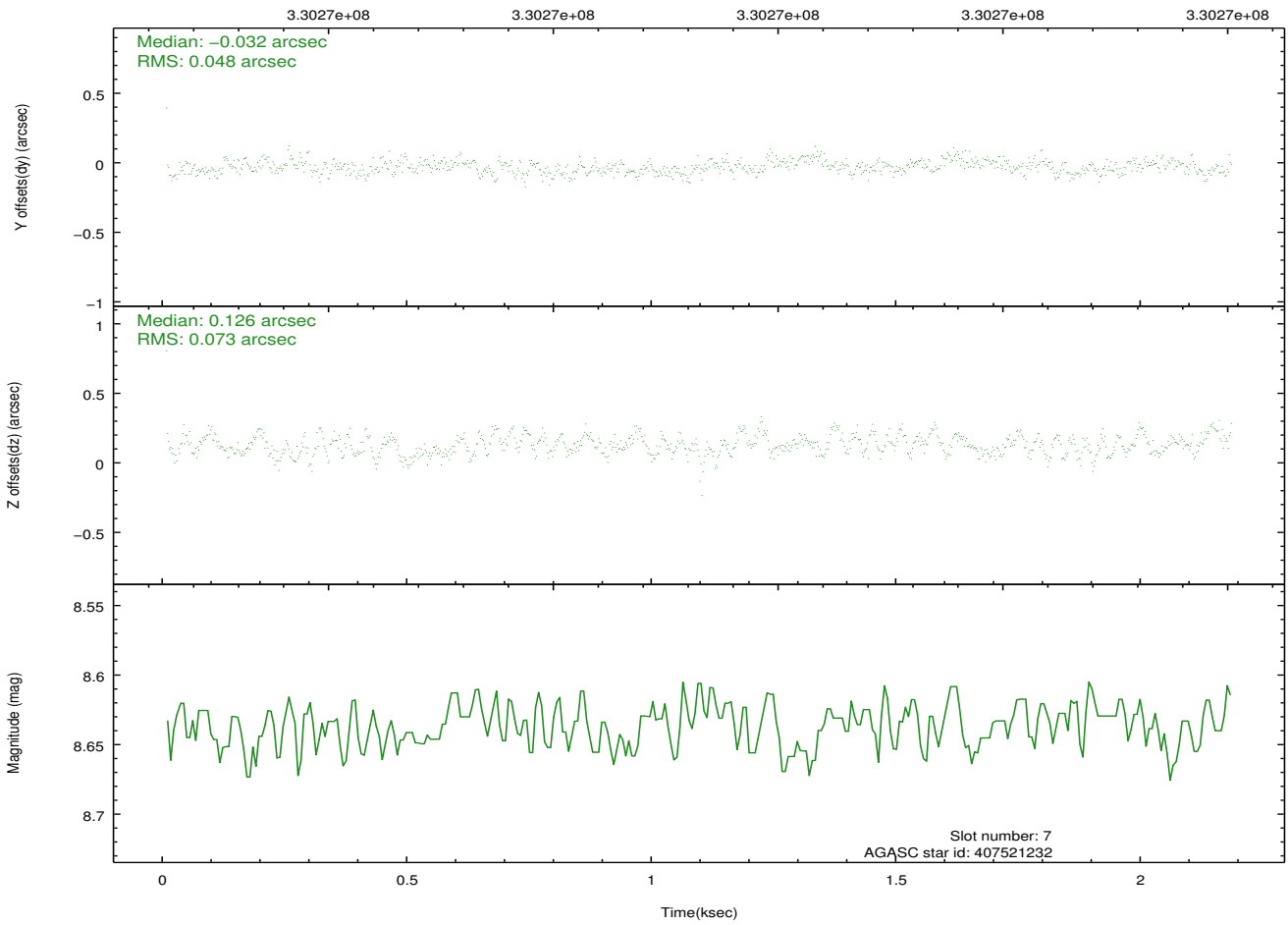
2.4.4 Slot 6



2.4.5 Slot 7

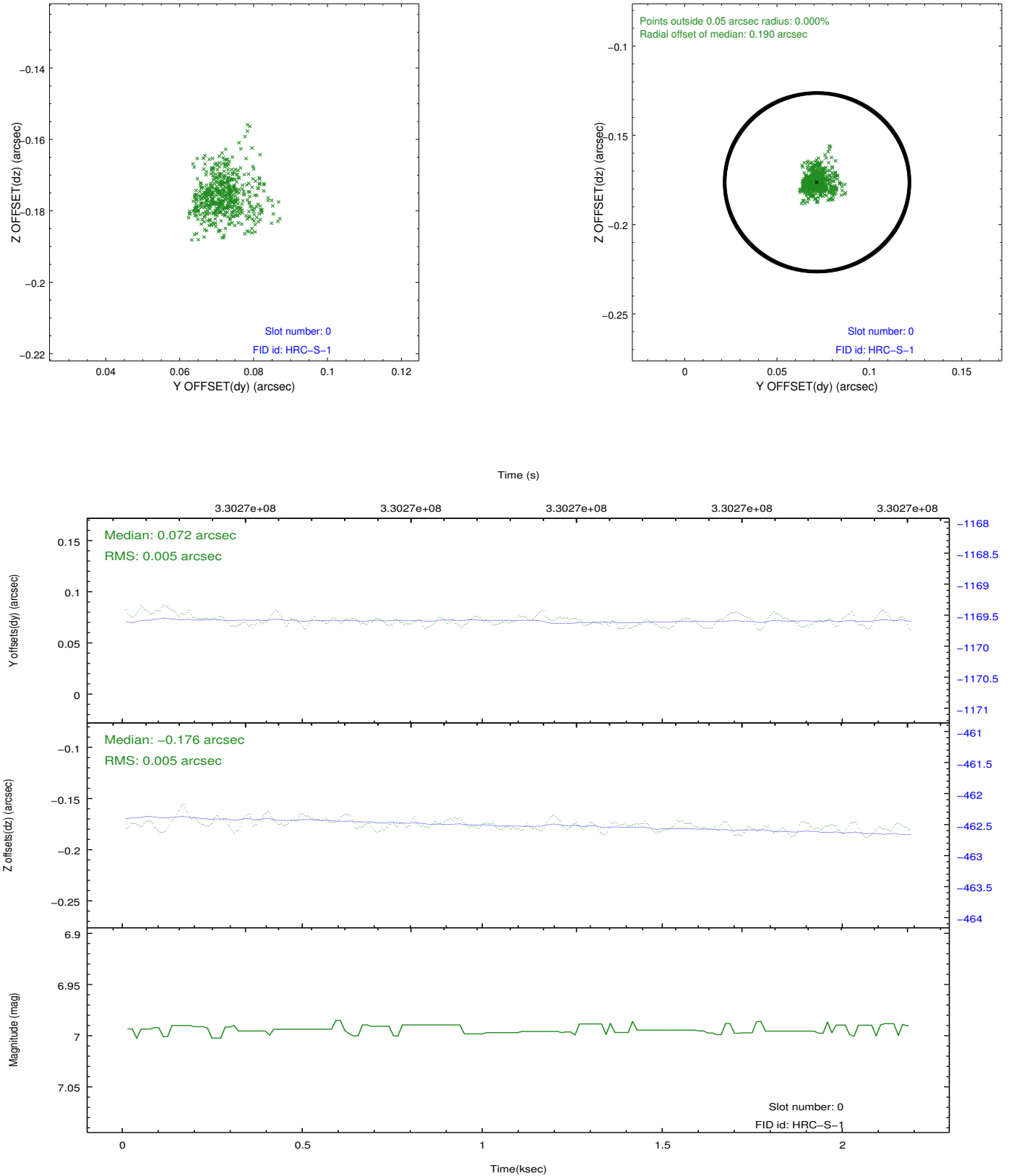


Time (s)

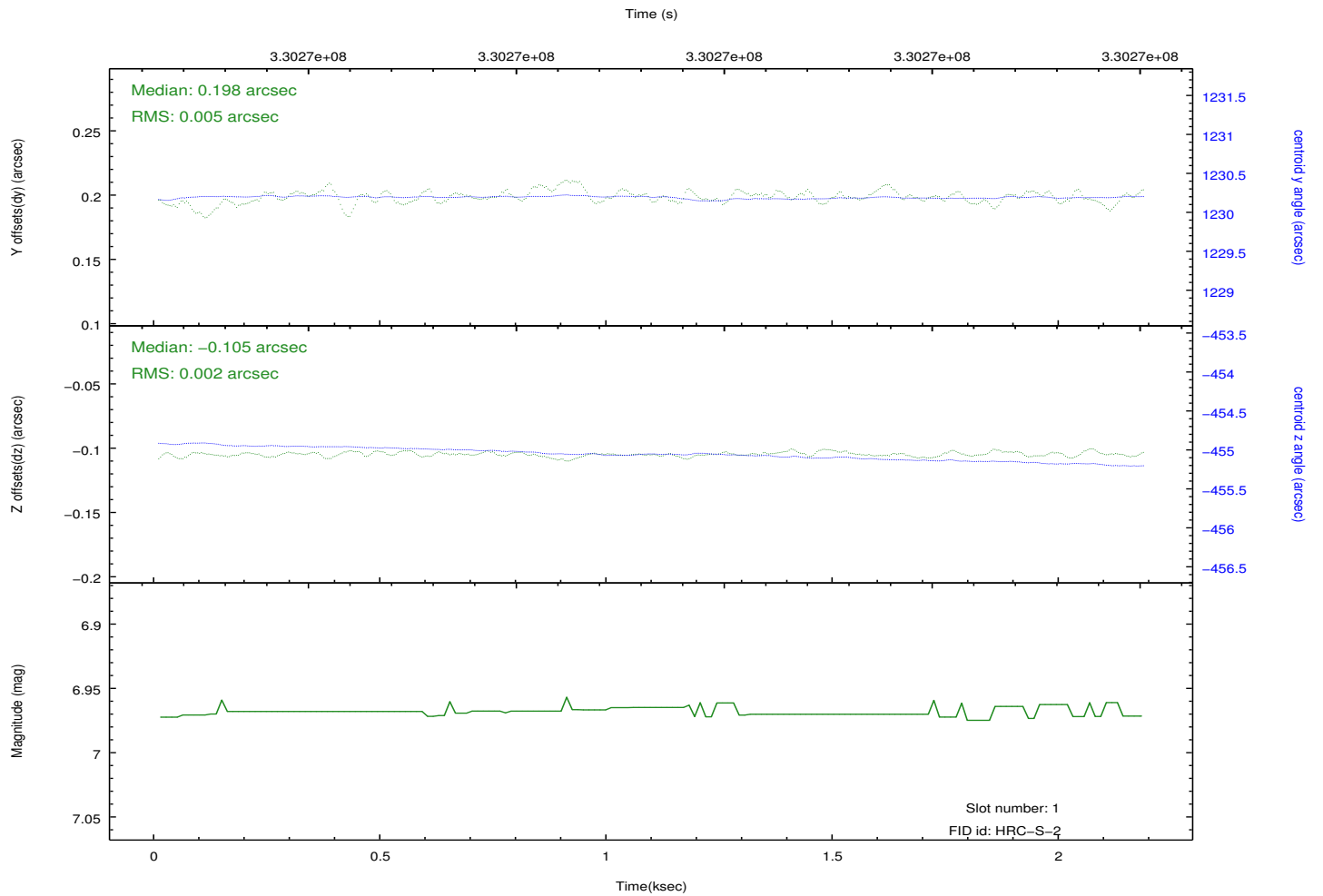
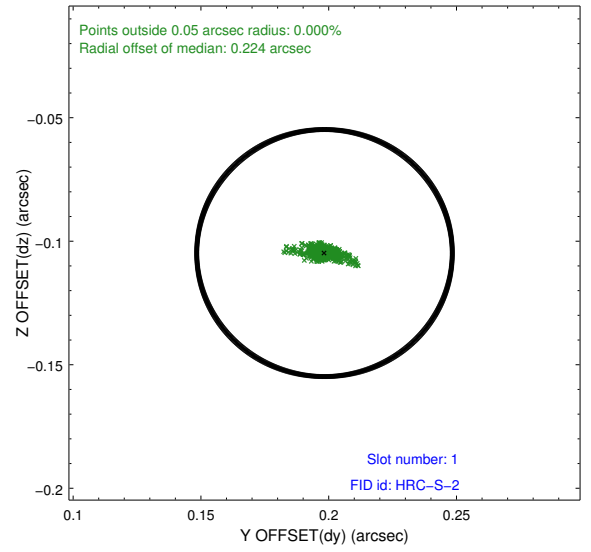
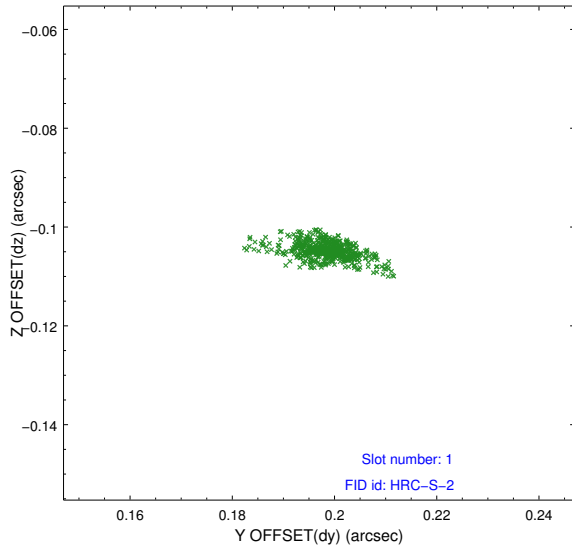


2.5 FID Slots

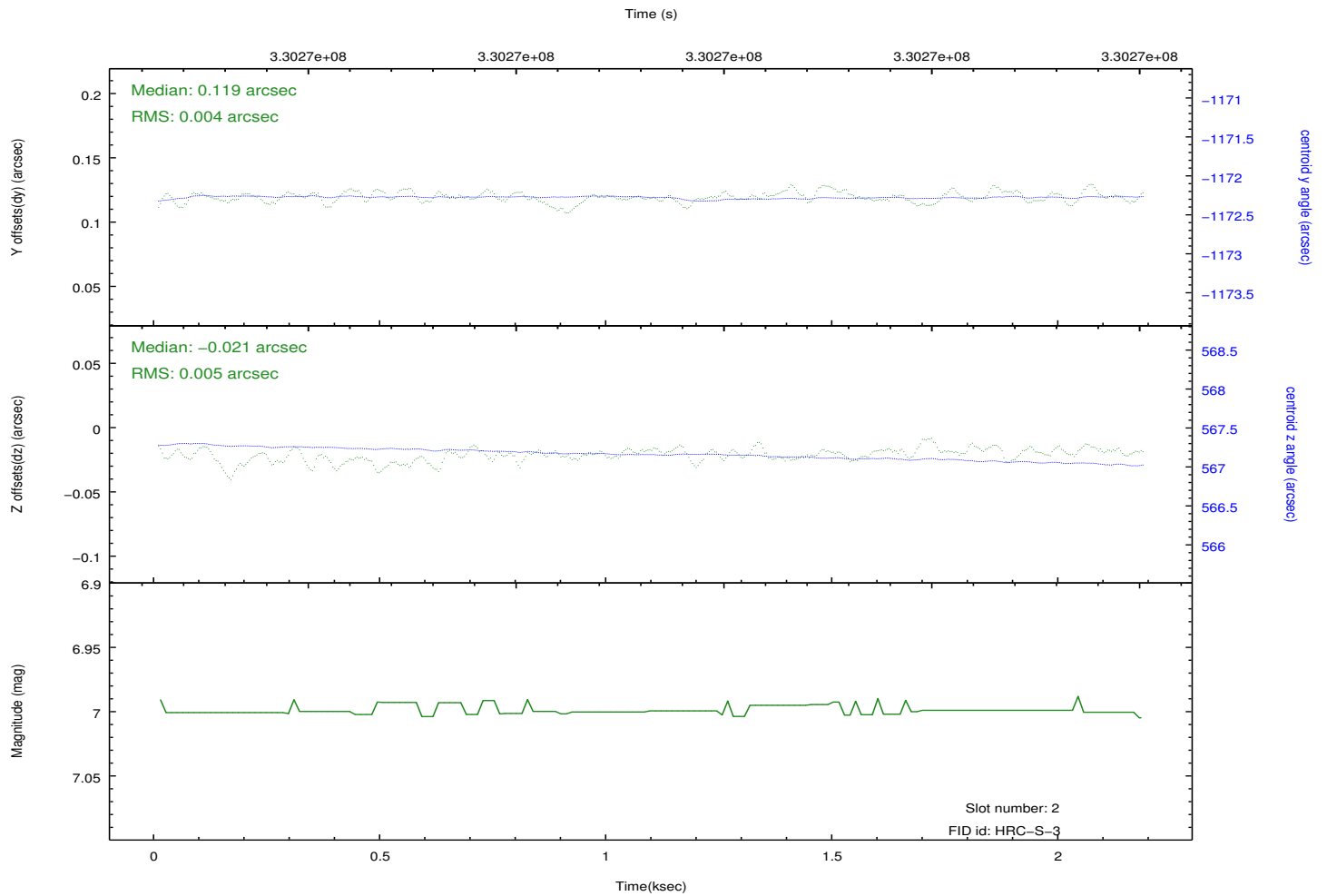
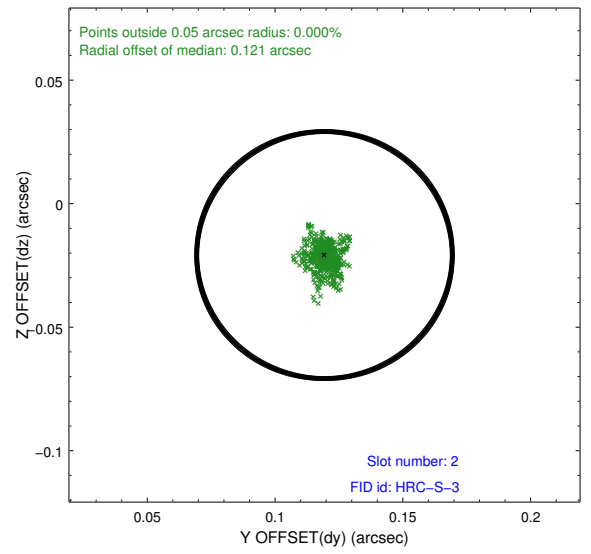
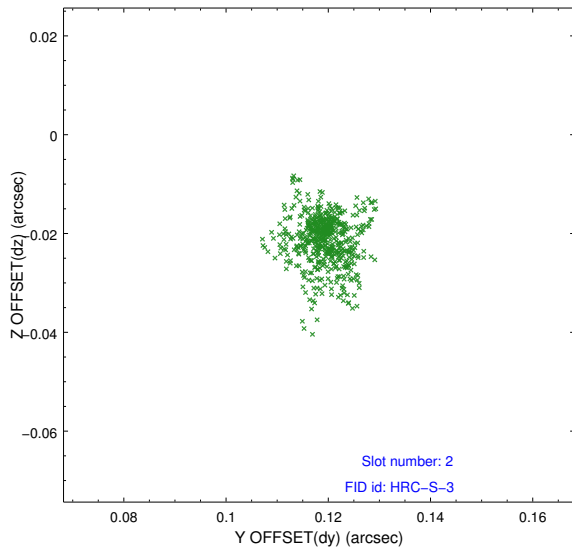
2.5.1 Slot 0



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)	2012.08.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.1781251

A.2 Comments

Window preference met.