

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9669 - L2 Version 3
Chandra X-Ray Center

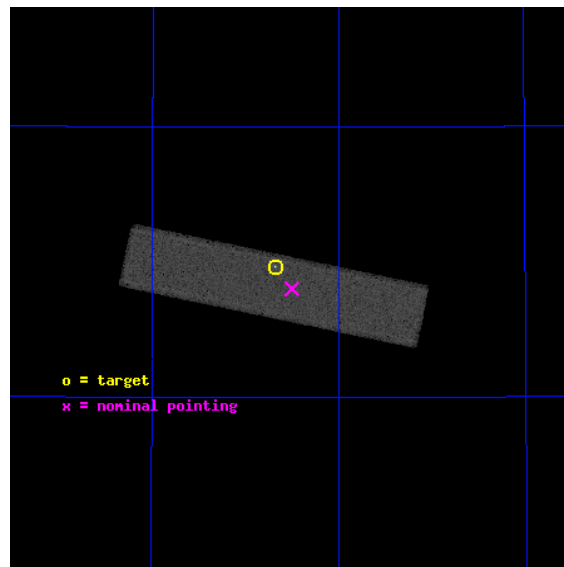
L2 Processing Date : Aug 12 2012

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1 Front

seq_num	290792	Sequence number
obs_id	9669	Observation id
title	AO9 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	332.12553894973	Nominal RA [deg]
dec_nom	45.701464925199	Nominal Dec [deg]
roll_nom	191.61879760039	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1337.8813157082	[s]
livetime	1325.9949132099	Ontime multiplied by DTCOR
l2events	85048	Number of level 2 events

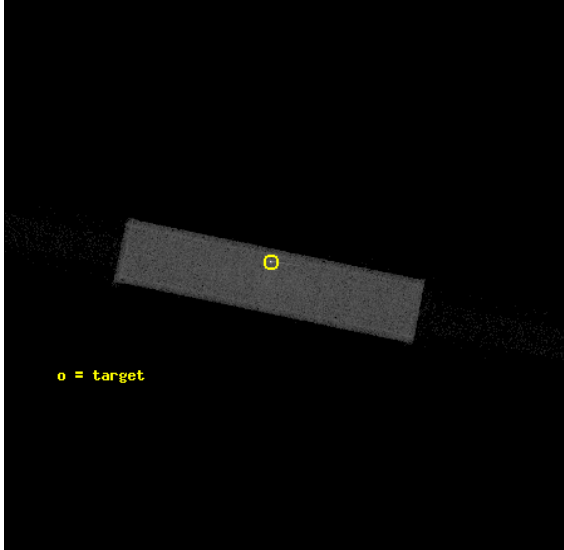


2 OBI

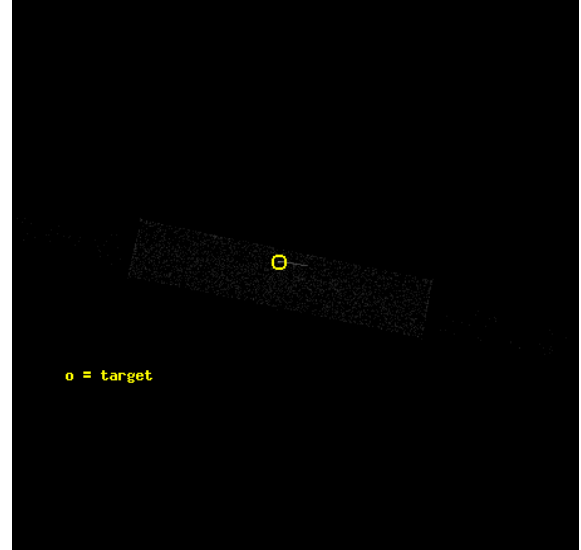
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1180.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1337.8813157082	[s]
caldbver	4.5.1.1	 	l1events	129939	Number of level 1 events
date	2012-08-12T17:51:02	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

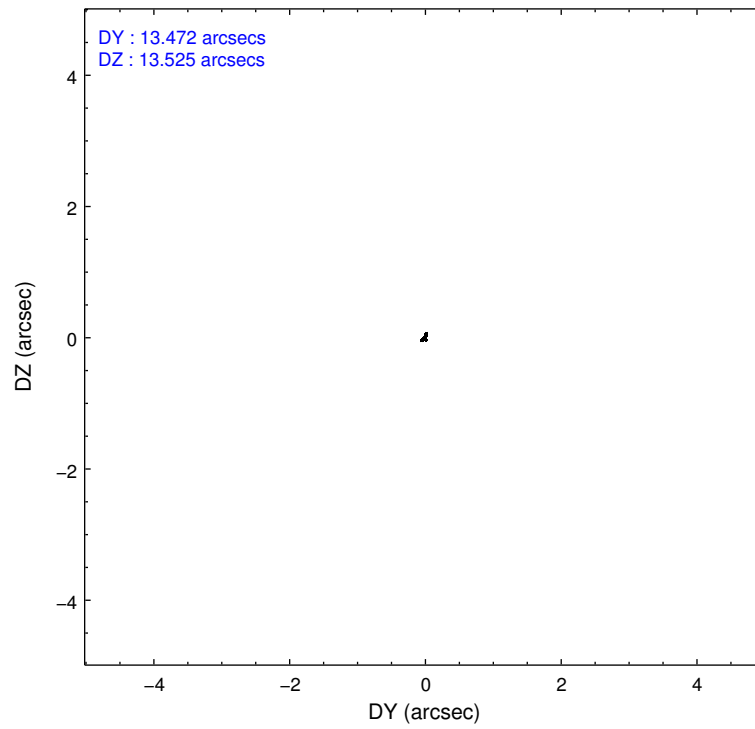
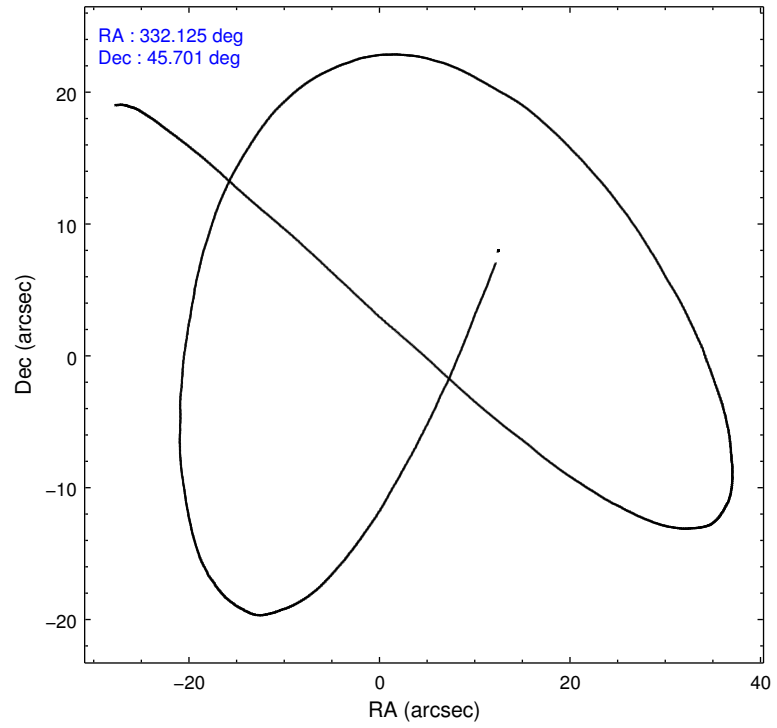
Level 1 Events

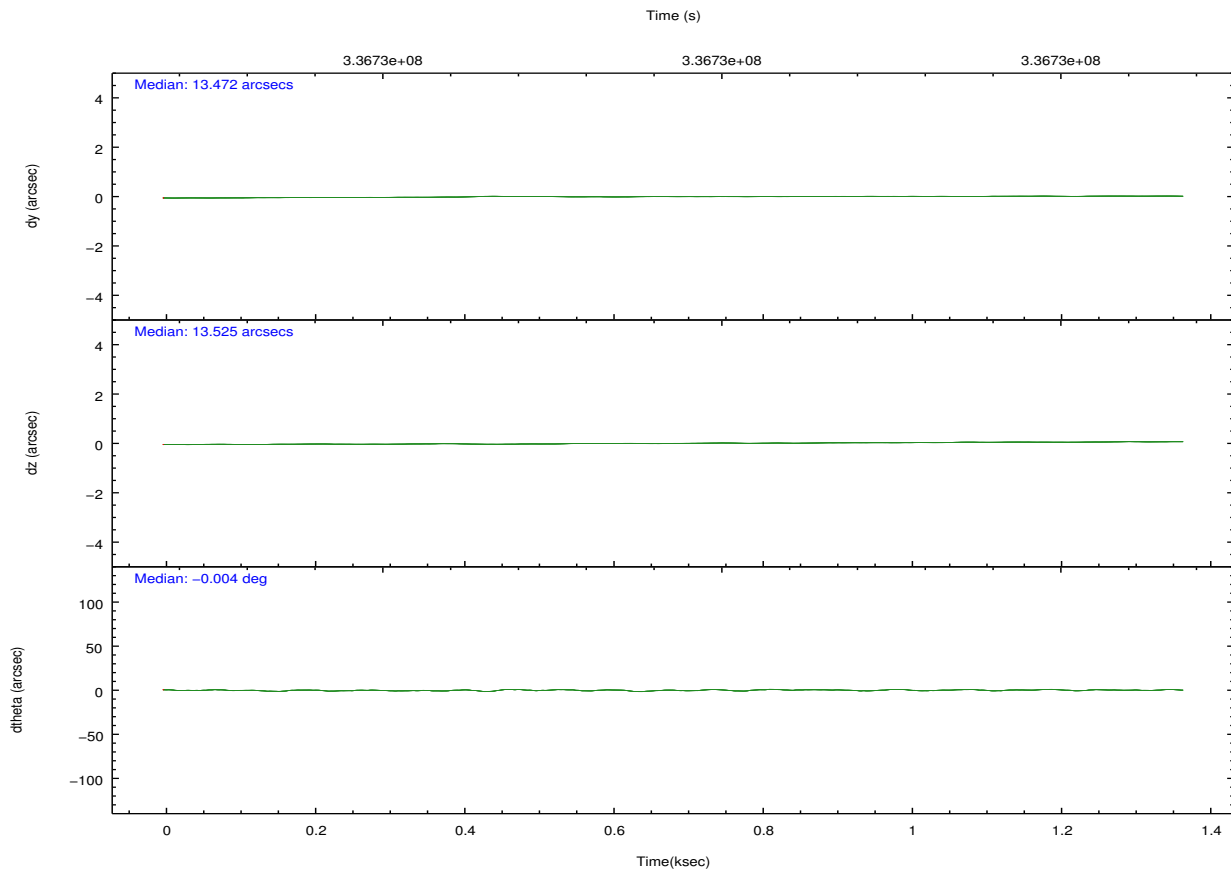
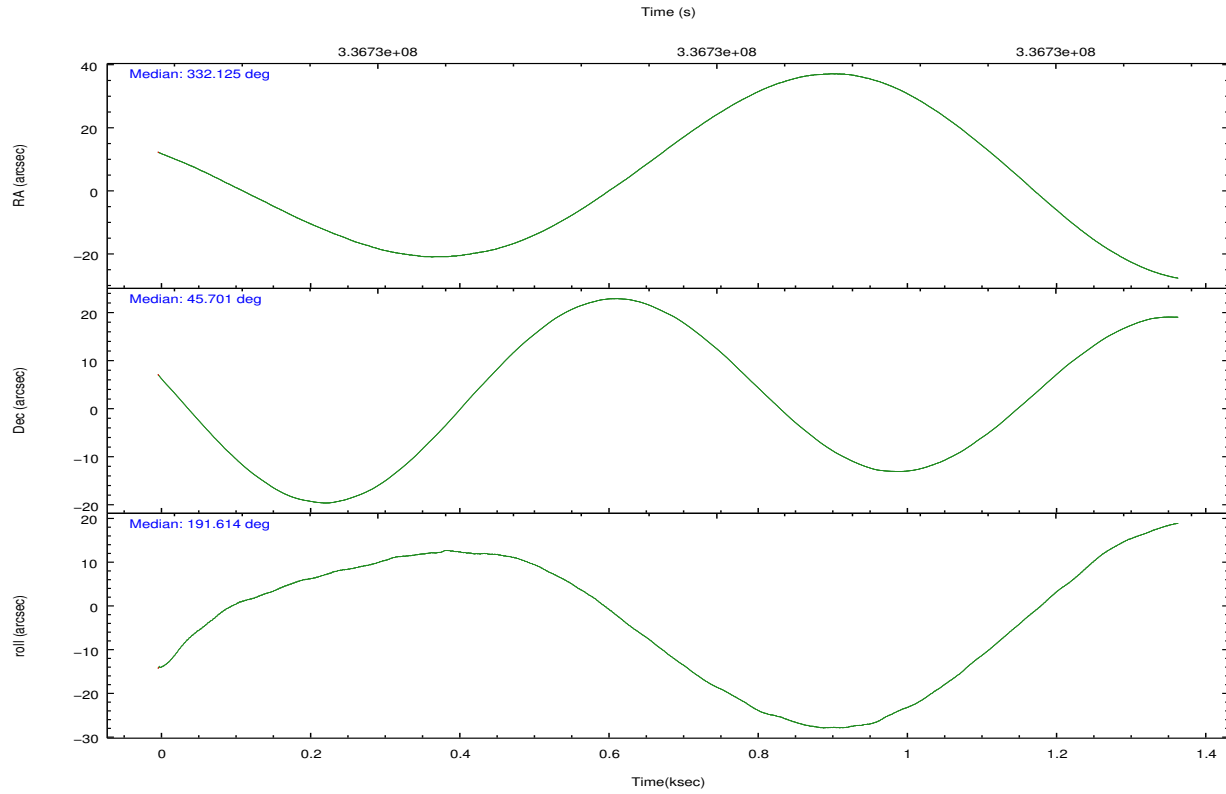
	segment 1	segment 2	segment 3
level 1 events	1055	127857	1027
rejected events	1055	25802	1027
rejected %	100%	20%	100%

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	332.155407	332.1255389497323			
[deg] Pointing Dec	45.722204	45.70146492519864			
[deg] Pointing Roll	191.530094	191.6187976003877			
[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)	336726423.184000	336726046.3459			
Observation start date	2008-09-02T07:05:58	2008-09-02T07:00:46			
[s] Observation end time (MET)	336727603.184000	336727736.57099			
Observation end date	2008-09-02T07:25:38	2008-09-02T07:28:56			

2.3 Aspect



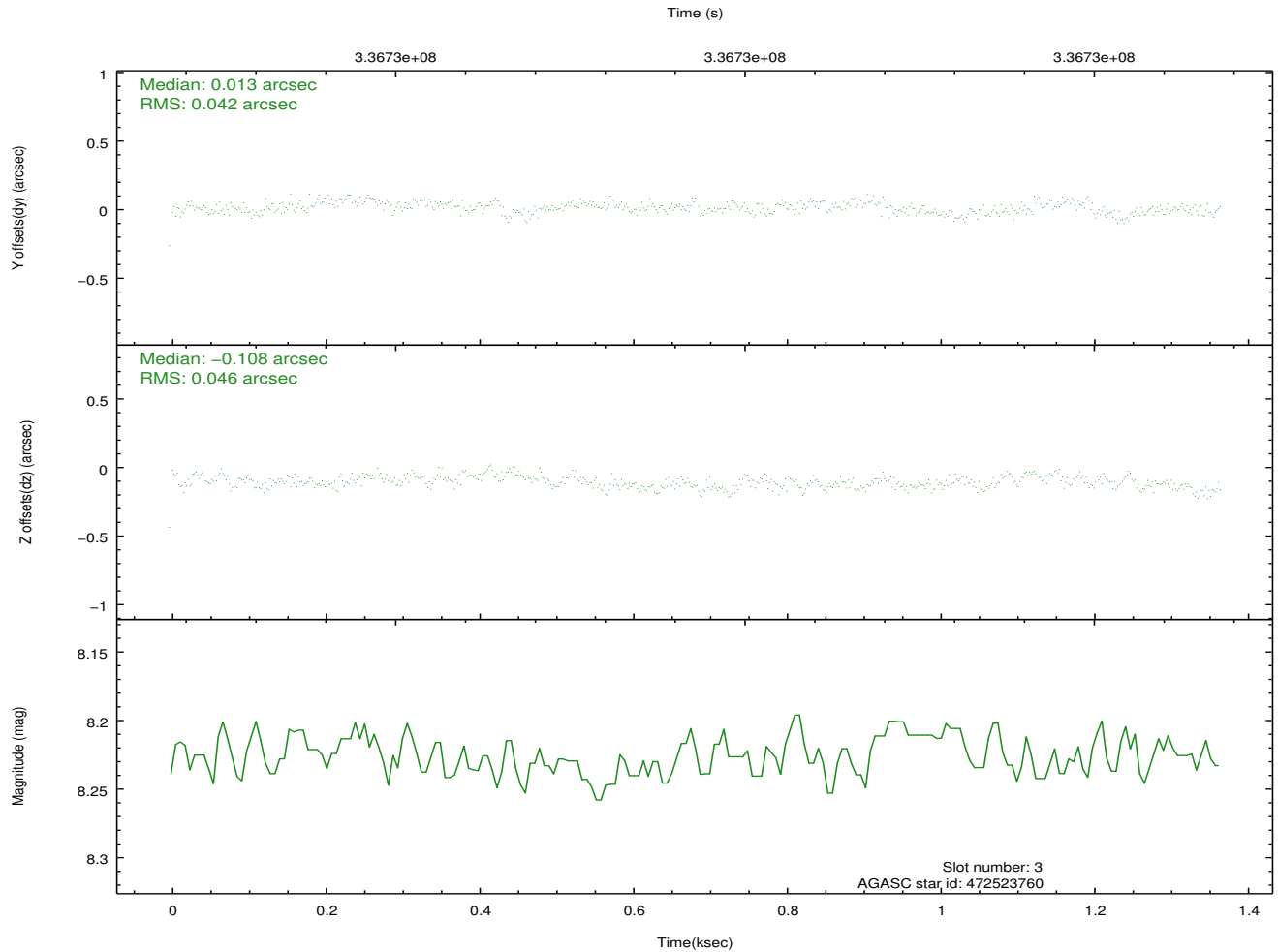
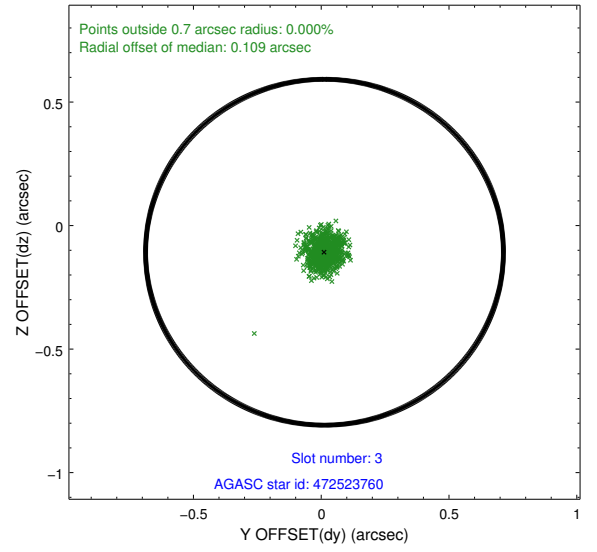
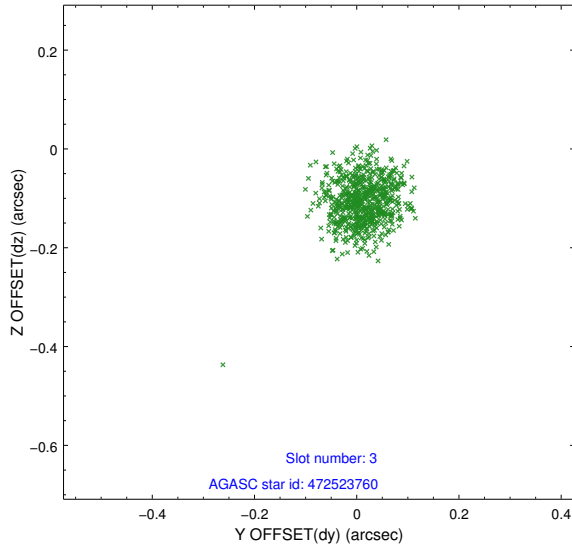


Slot Statistics

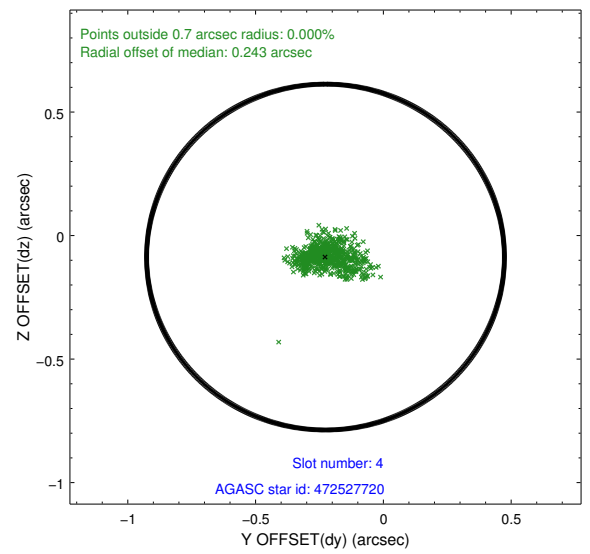
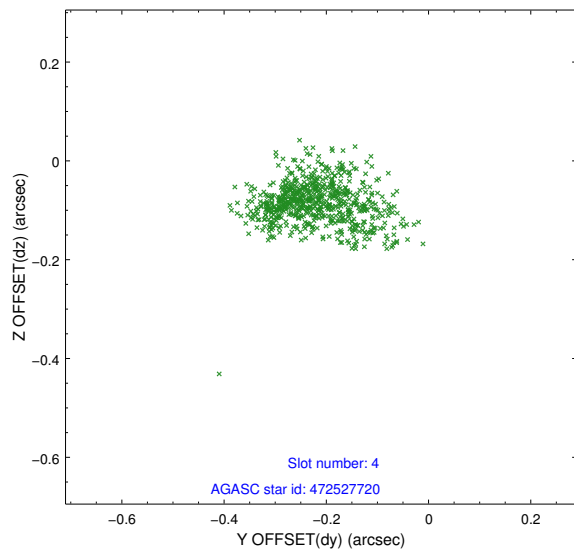
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	334	0.090	-0.162	0.007	0.012	0.000000	0.000000	-1167.80	-462.35
1	FID	HRC-S-2	7.00	334	0.204	-0.115	0.009	0.015	0.000000	0.000000	1228.47	-456.30
2	FID	HRC-S-3	7.01	334	0.097	-0.025	0.008	0.013	0.000000	0.000000	-1166.85	565.94
3	GUIDE	472523760	8.23	668	0.013	-0.108	0.065	0.102	331.645363	45.403260	1490.40	861.61
4	GUIDE	472527720	6.98	668	-0.226	-0.087	0.089	0.149	331.460205	45.112509	2168.19	1789.76
5	GUIDE	472535576	7.87	668	-0.125	0.078	0.068	0.109	331.438373	46.291802	1338.10	-2372.50
6	GUIDE	472655152	9.45	666	0.116	0.076	0.117	0.185	332.504239	45.862991	-957.96	-329.00
7	GUIDE	472665256	9.00	667	0.205	0.045	0.088	0.138	332.808125	46.195041	-1937.88	-1351.75

2.4 Star Slots

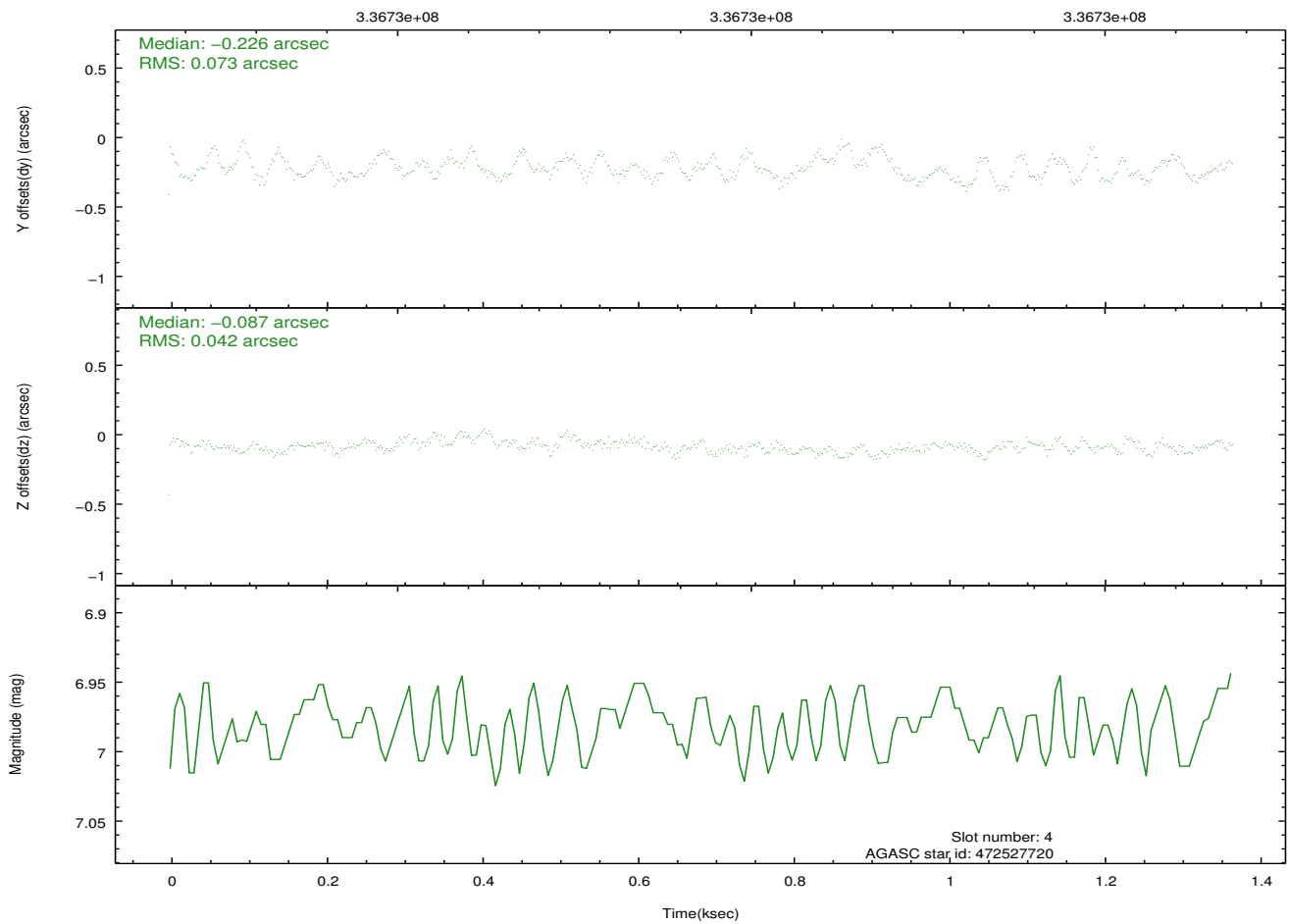
2.4.1 Slot 3



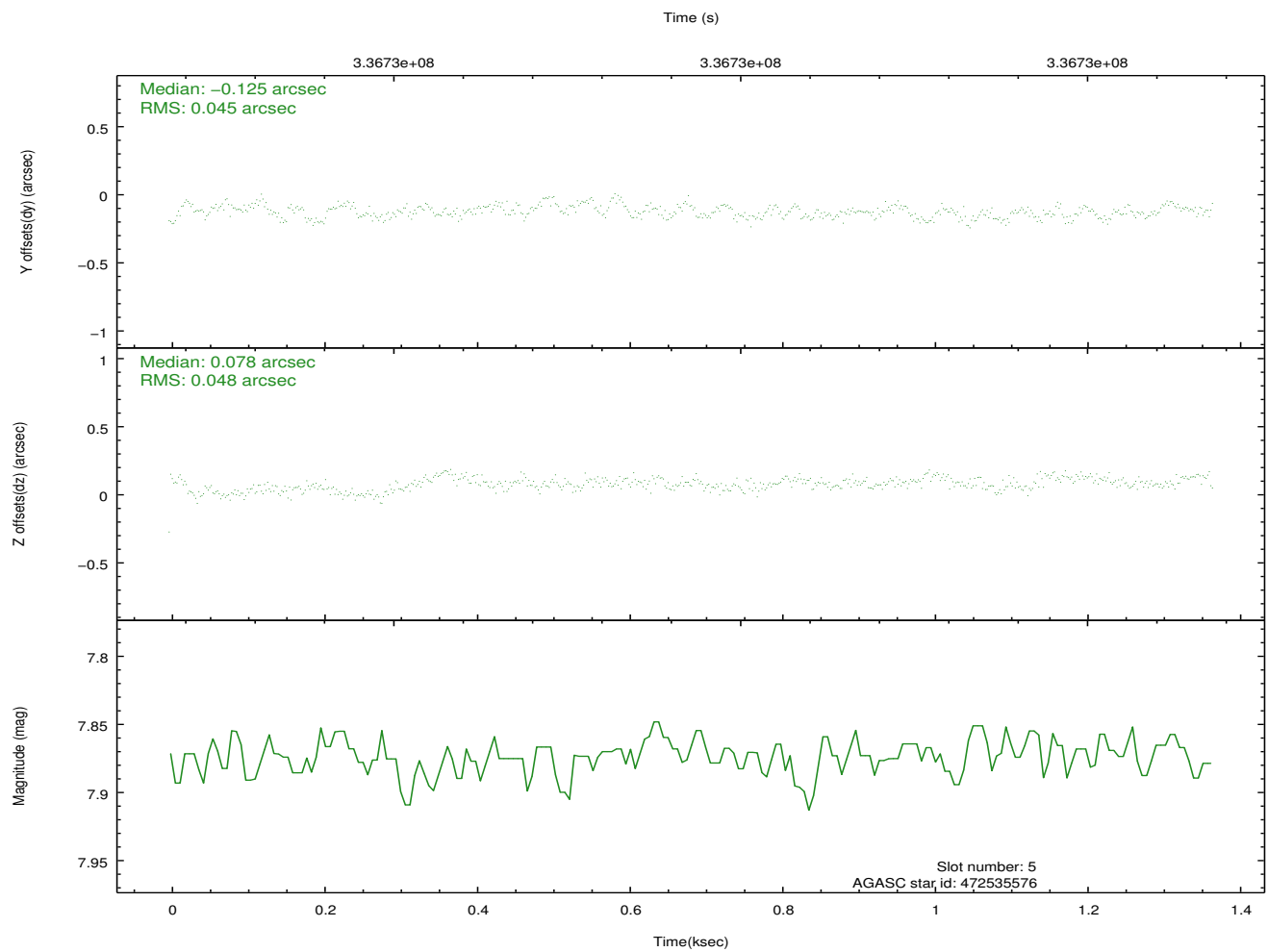
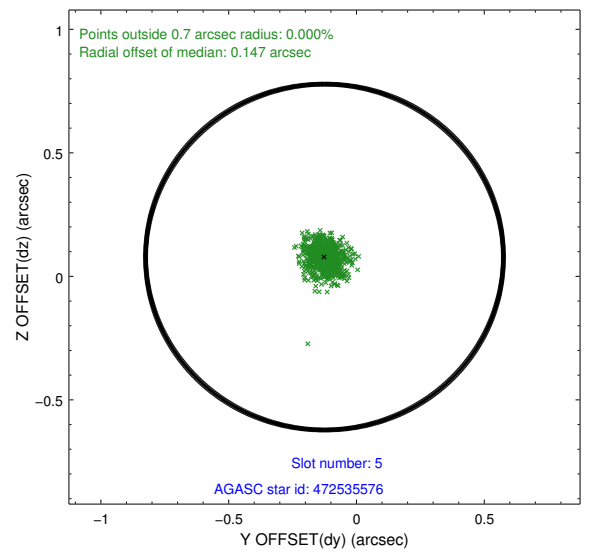
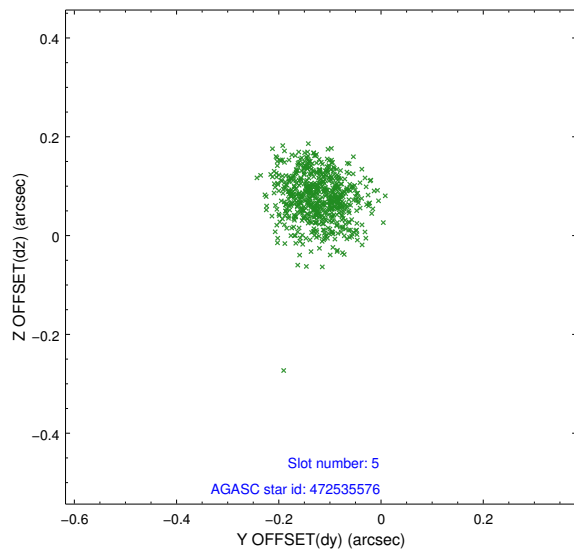
2.4.2 Slot 4



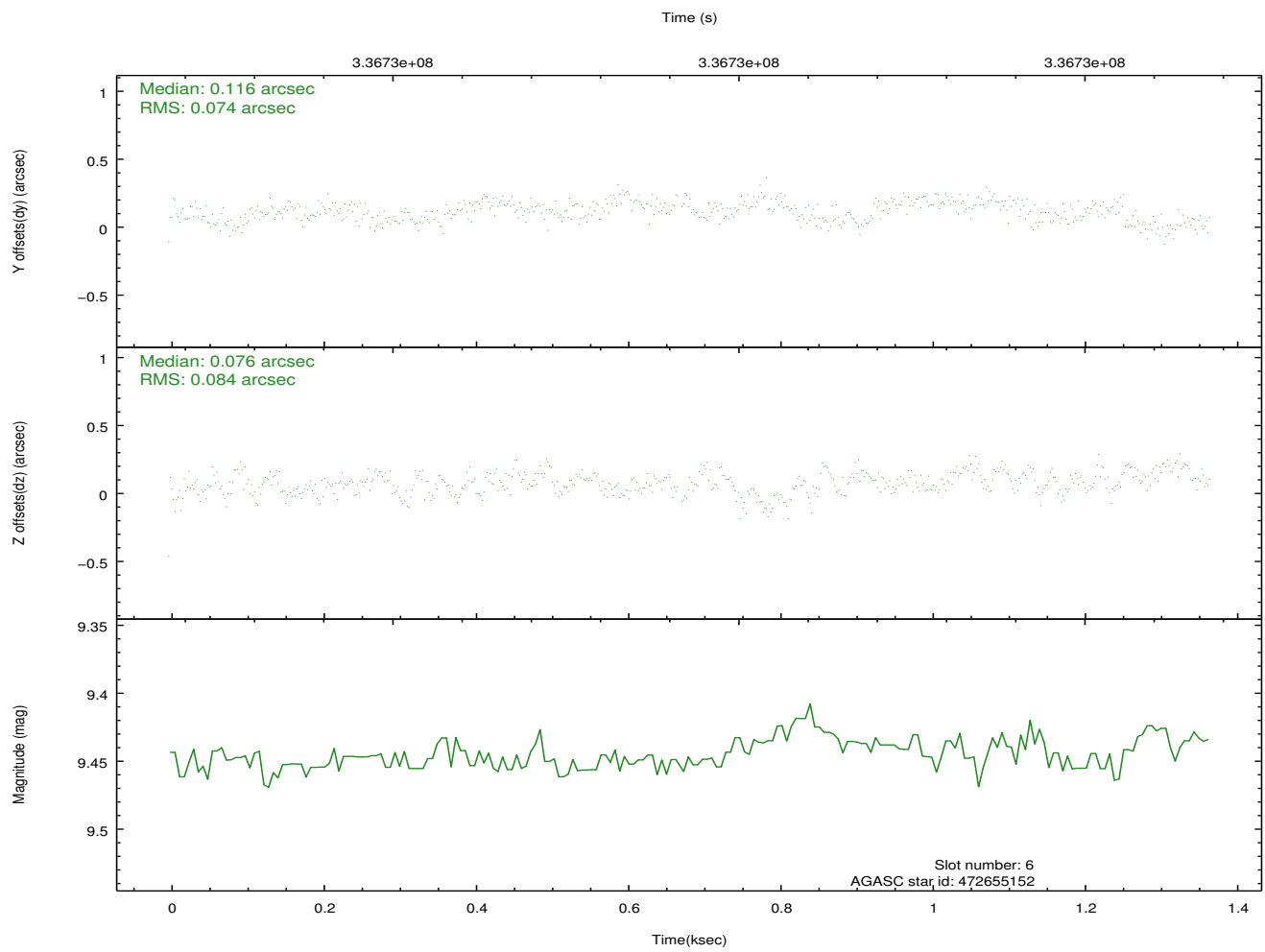
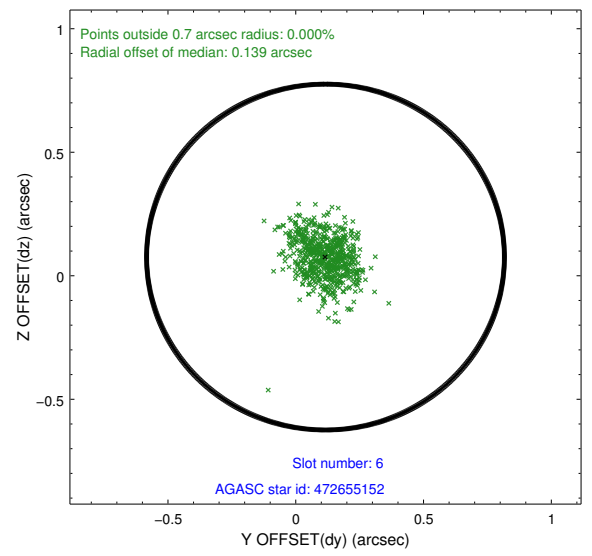
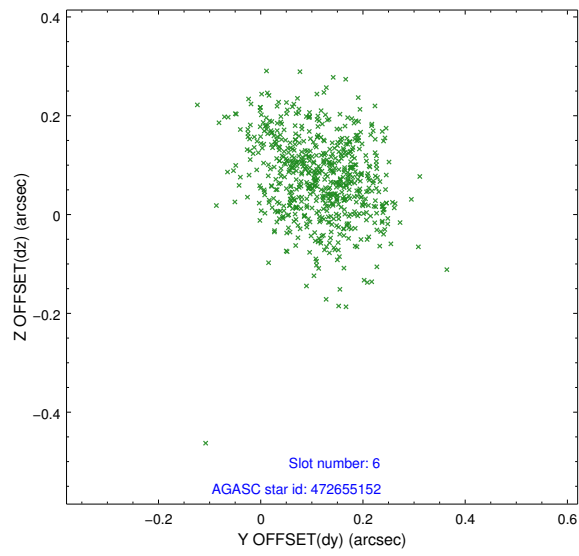
Time (s)



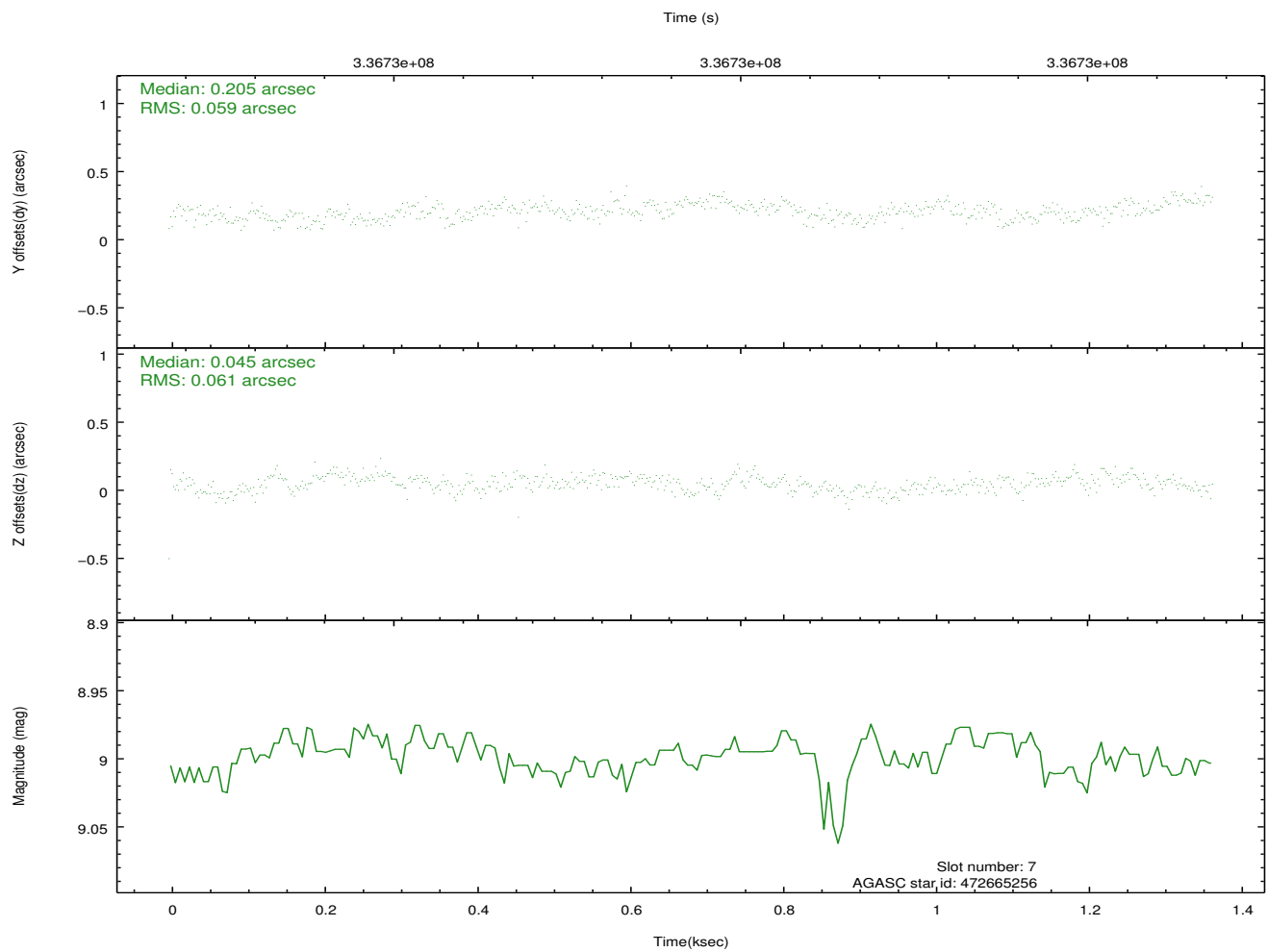
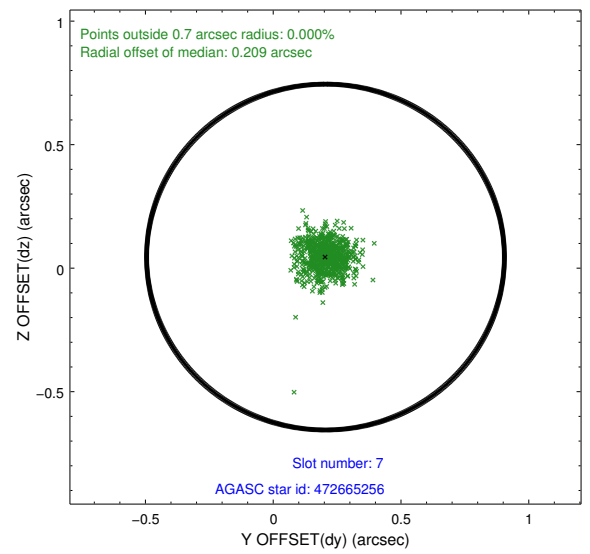
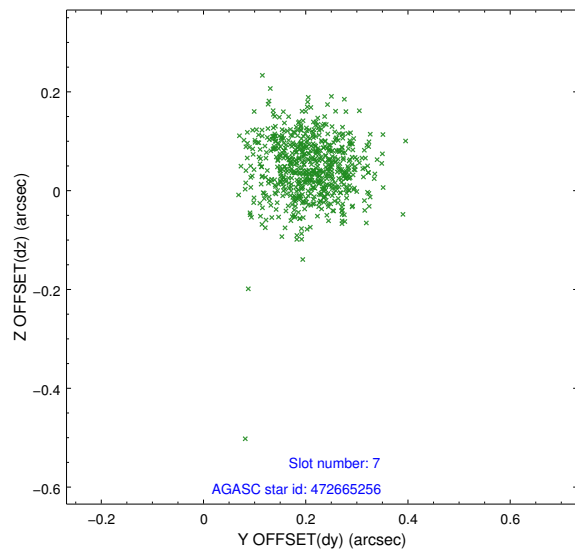
2.4.3 Slot 5



2.4.4 Slot 6

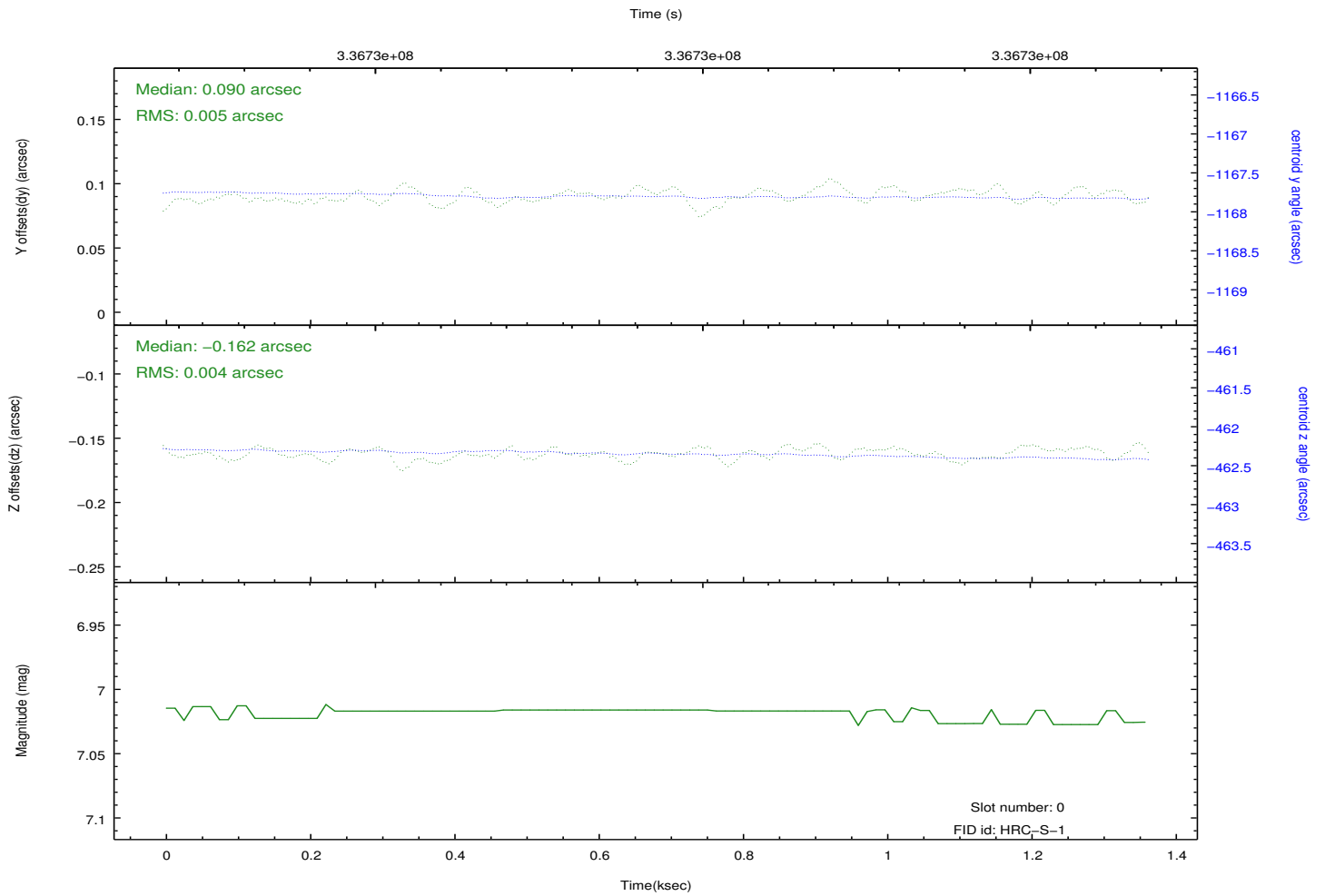
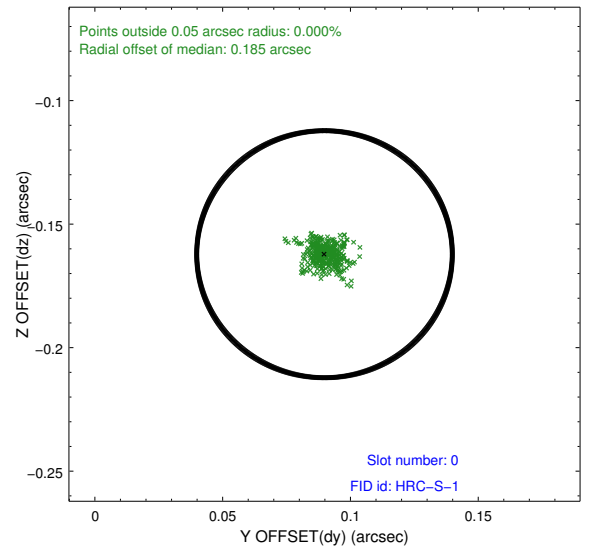
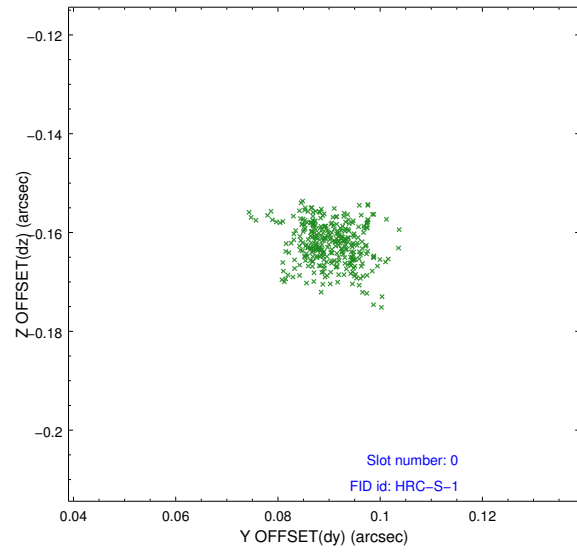


2.4.5 Slot 7

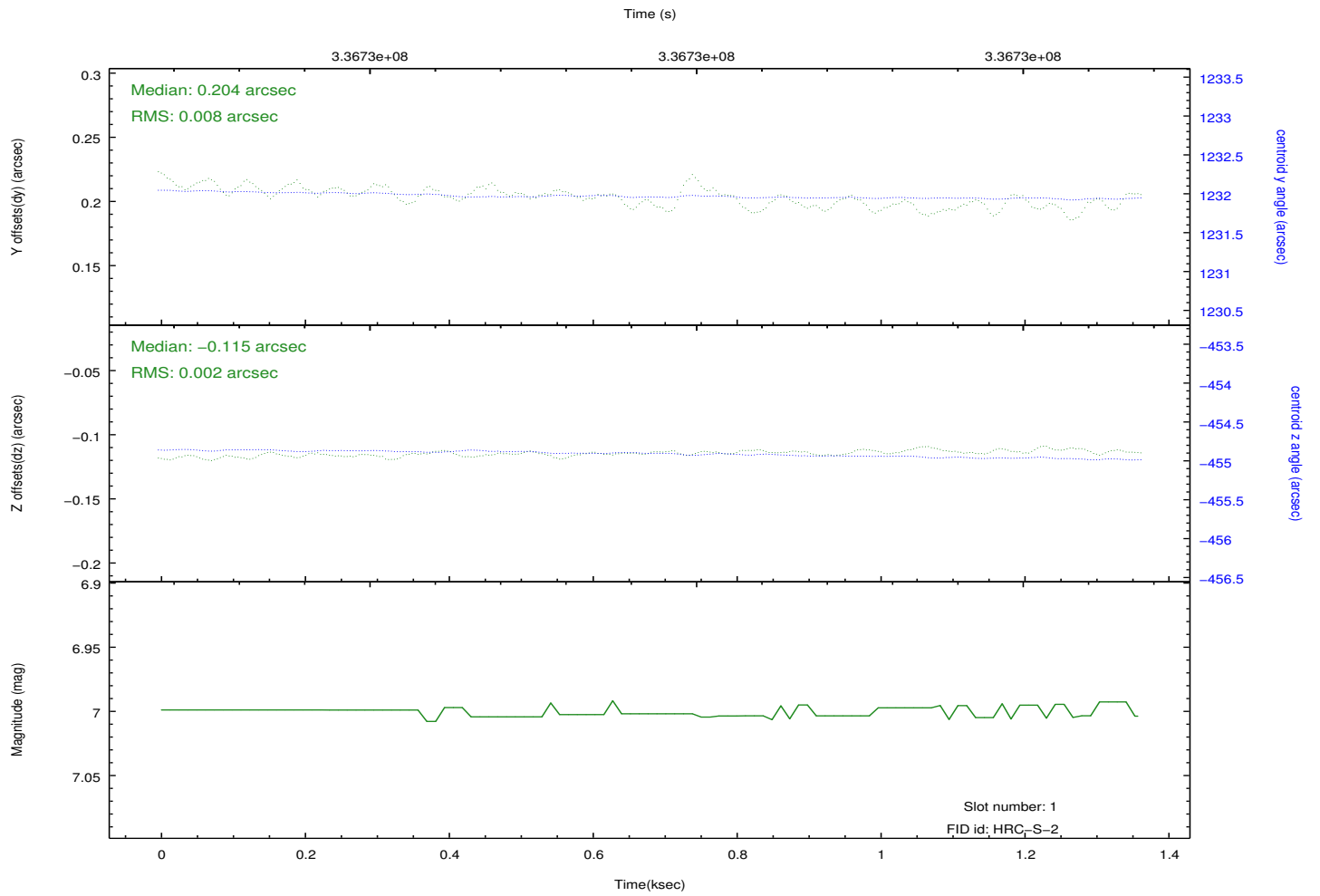
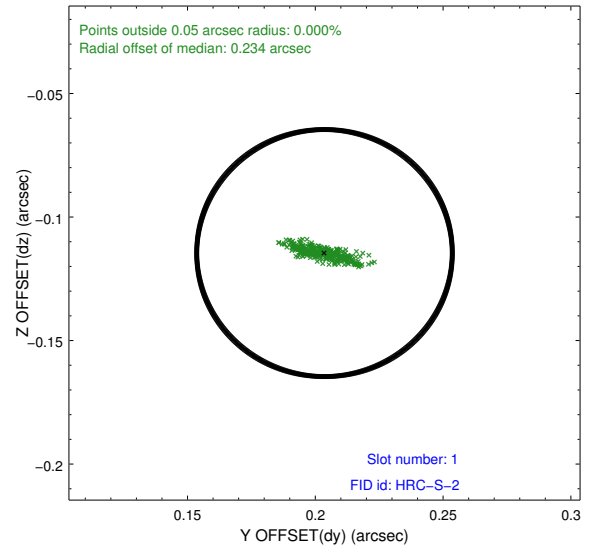
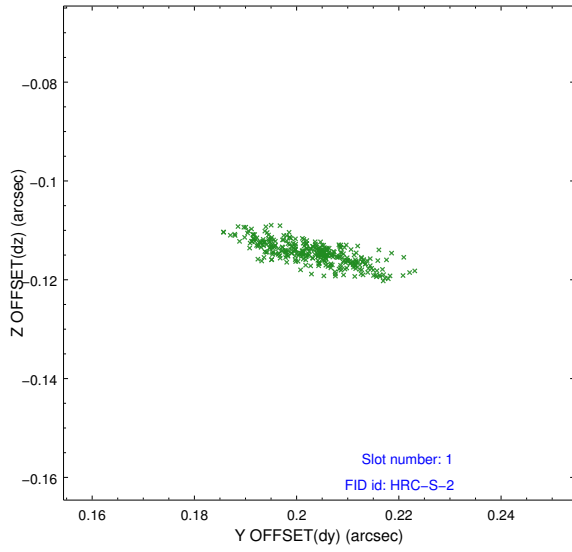


2.5 FID Slots

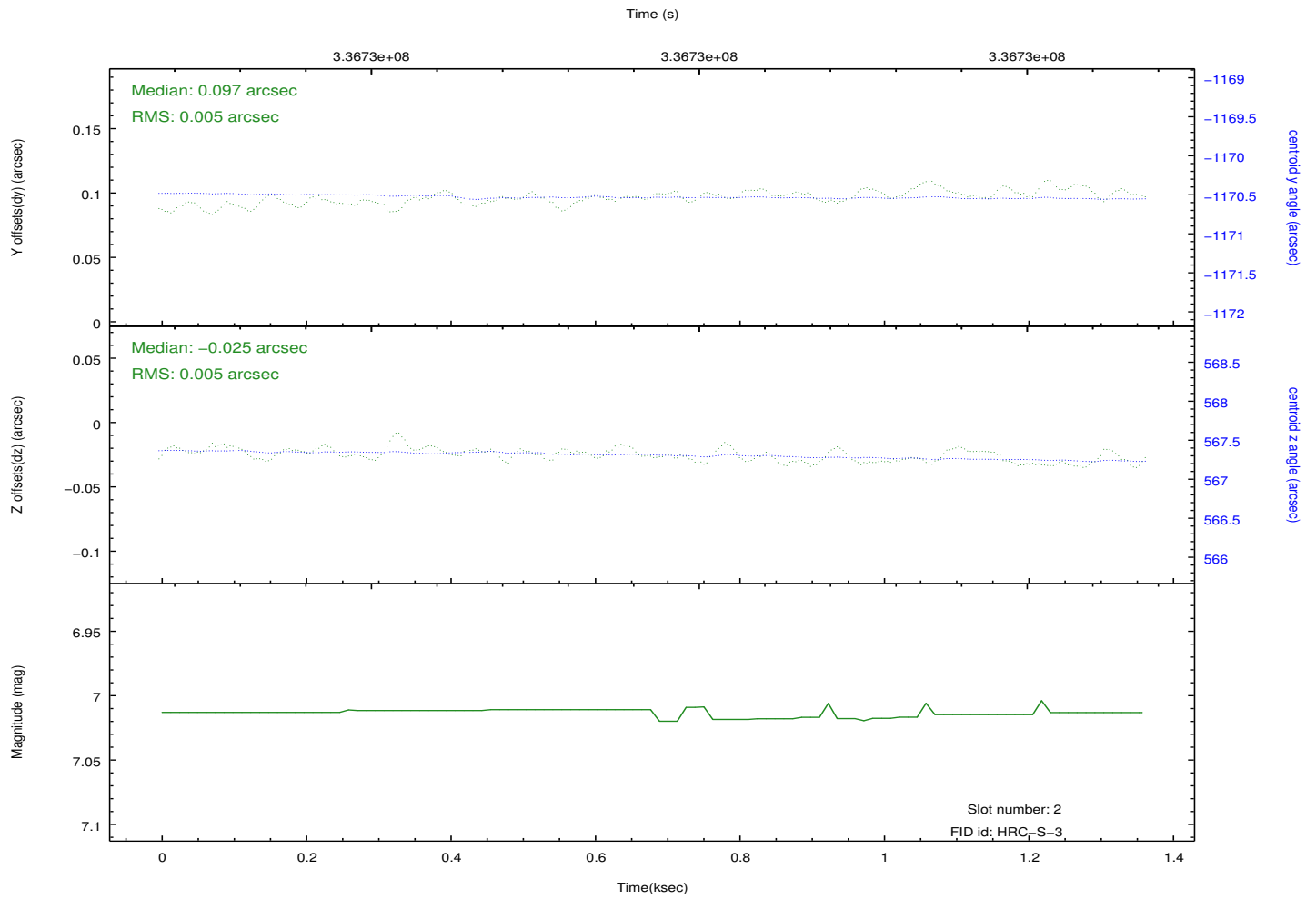
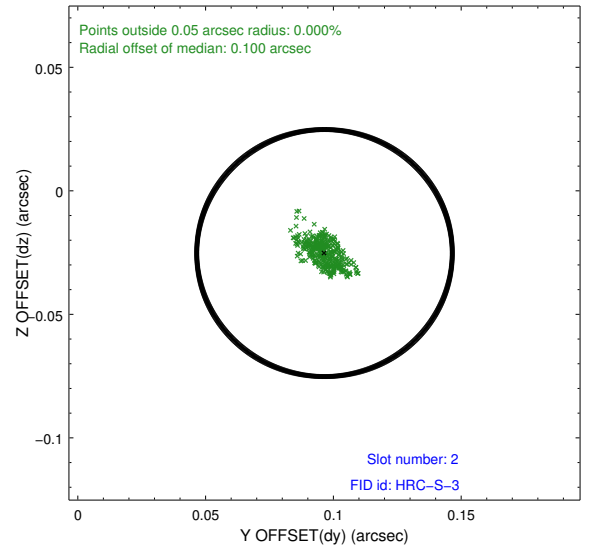
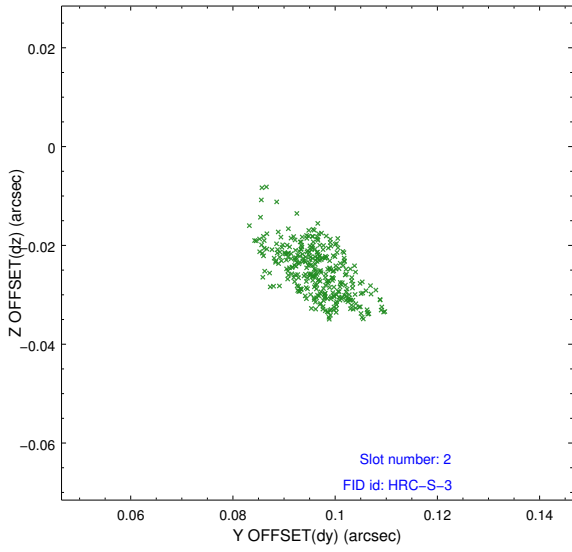
2.5.1 Slot 0



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)	2012.08.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.33788131

A.2 Comments