

V&V Reference Report

L2 ASCDS Version : 8.4.3.1

Observation 6517 - L2 Version 3
Chandra X-Ray Center

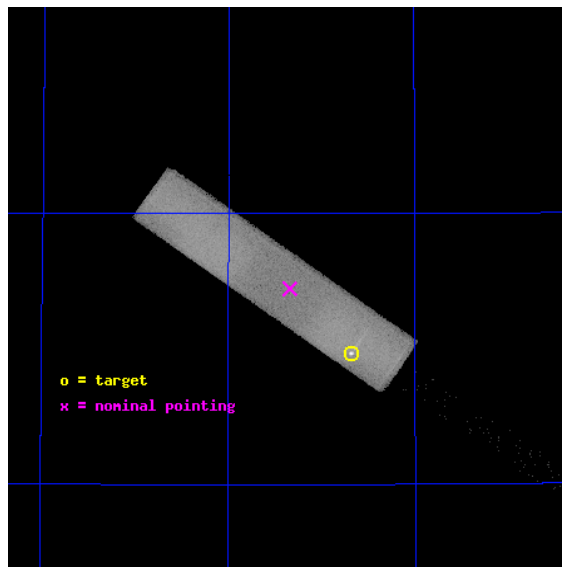
L2 Processing Date : Aug 11 2012

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1 Front

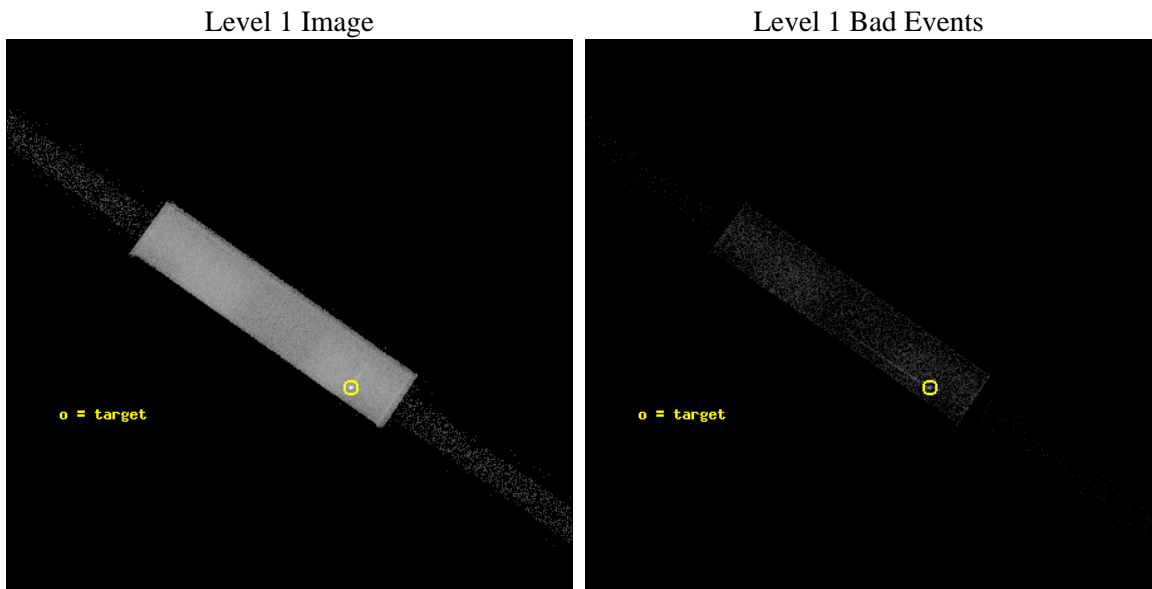
seq_num	290610	Sequence number
obs_id	6517	Observation id
title	AO7B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.33486033081	Nominal RA [deg]
dec_nom	45.861608266419	Nominal Dec [deg]
roll_nom	214.78719612884	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1161.5813046694	[s]
livetime	1109.9502088892	Ontime multiplied by DTCOR
l2events	168744	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	8.4.5	Processing system revision	ontime	1161.5813046694	[s]
caldsver	4.5.1.1	 	l1events	233376	Number of level 1 events
date	2012-08-11T15:05:33	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

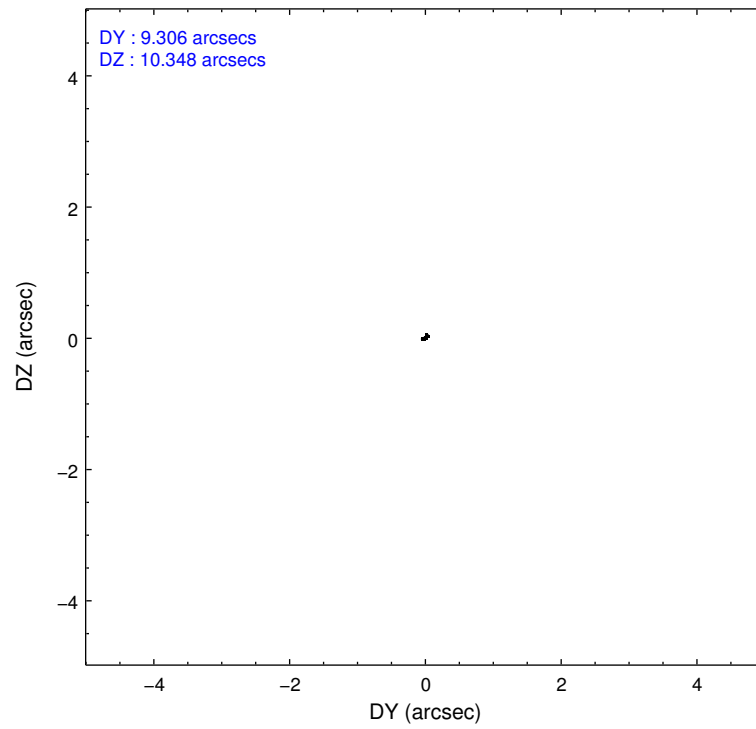
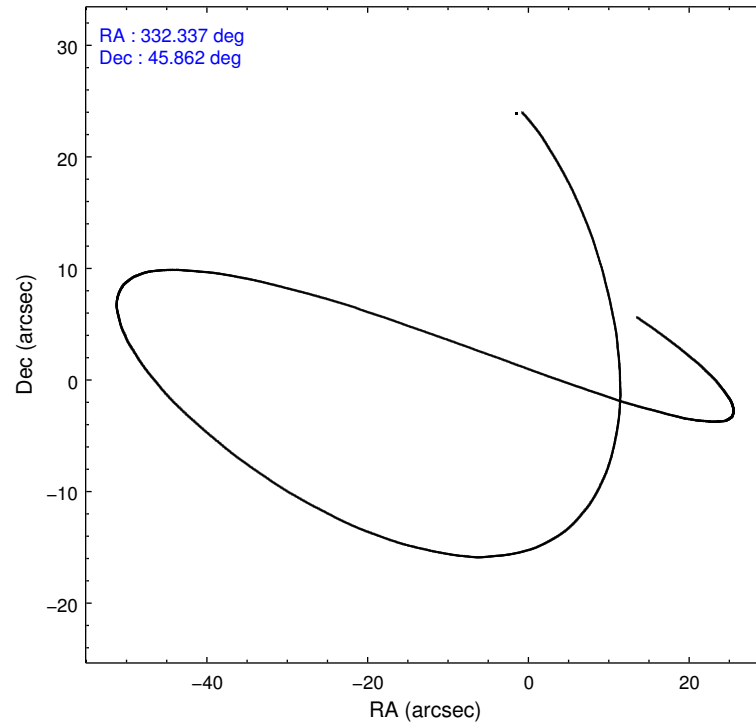
Level 1 Events

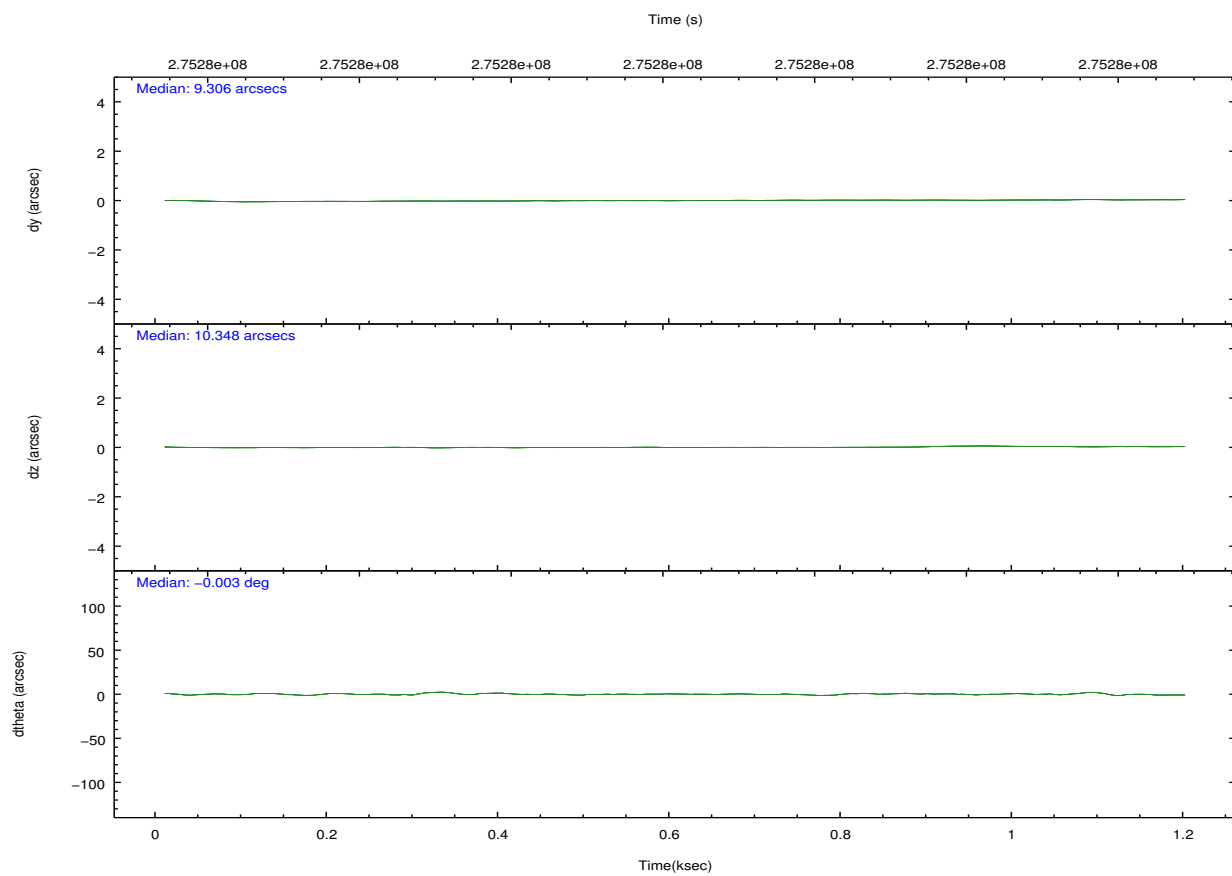
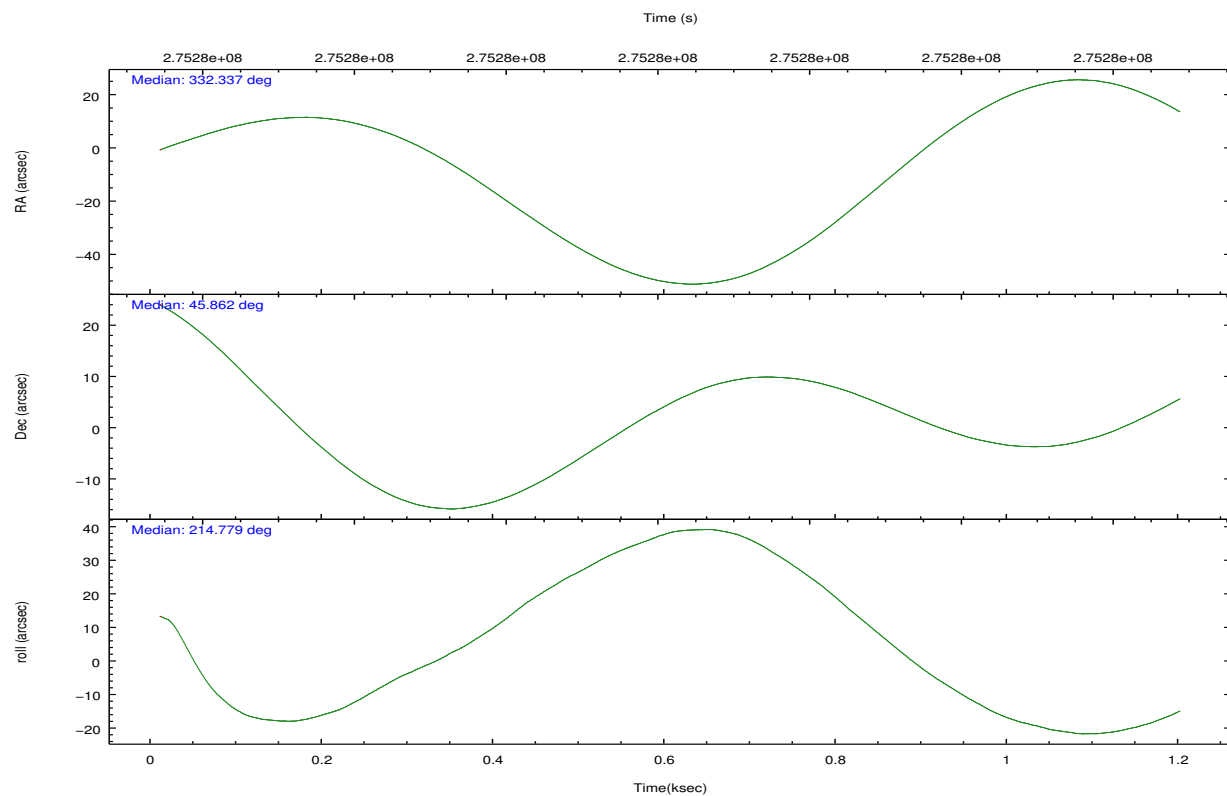
	segment 1	segment 2	segment 3
level 1 events	1792	229986	1598
rejected events	1792	46973	1485
rejected %	100%	20%	92%

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	332.349108	332.3348603308144			
[deg] Pointing Dec	45.888637	45.8616082664185			
[deg] Pointing Roll	214.709414	214.7871961288415			
[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)	275284010.184000	275283634.7812			
Observation start date	2006-09-22T03:45:45	2006-09-22T03:40:34			
[s] Observation end time (MET)	275285010.184000	275285144.60627			
Observation end date	2006-09-22T04:02:25	2006-09-22T04:05:44			

2.3 Aspect



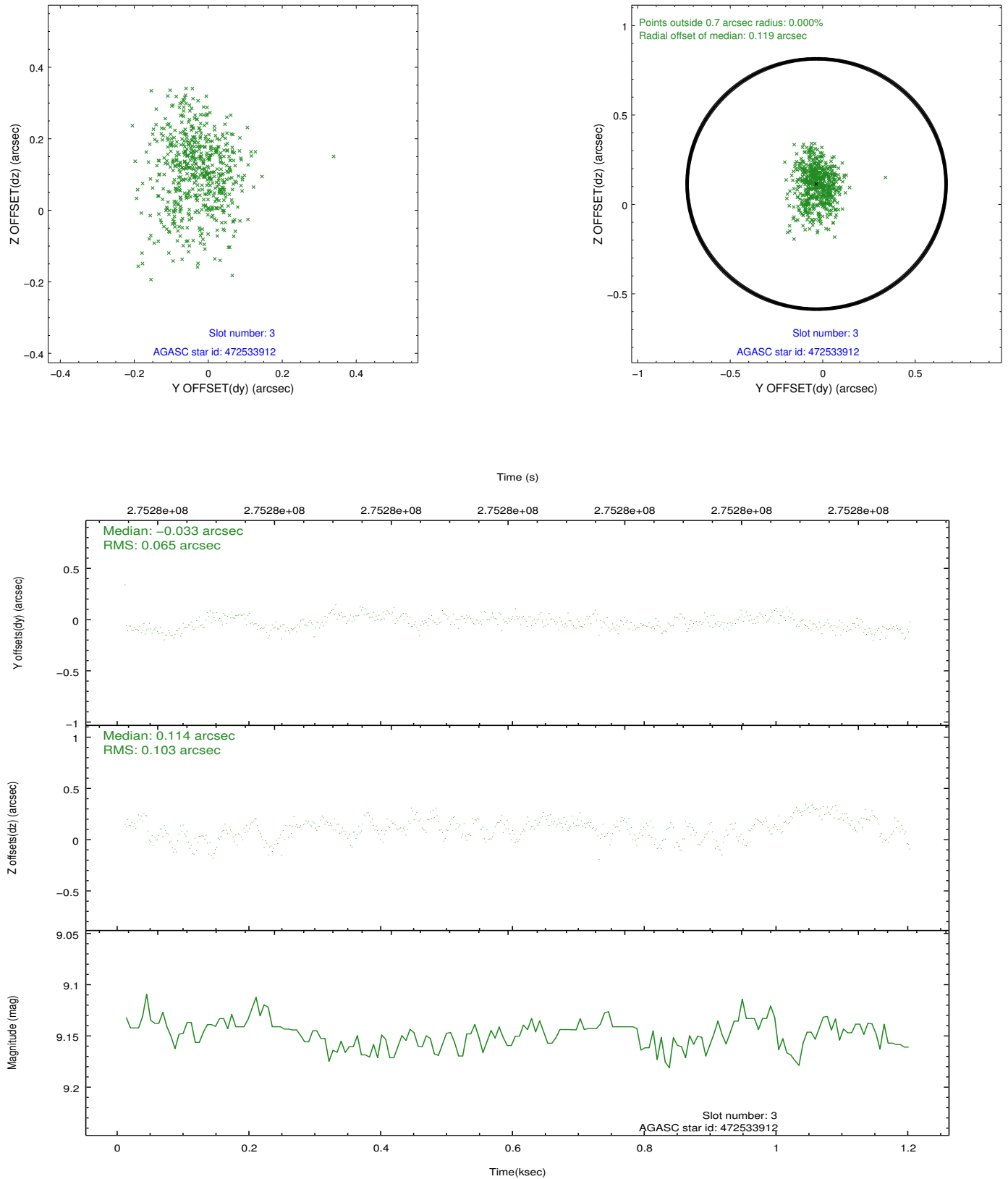


Slot Statistics

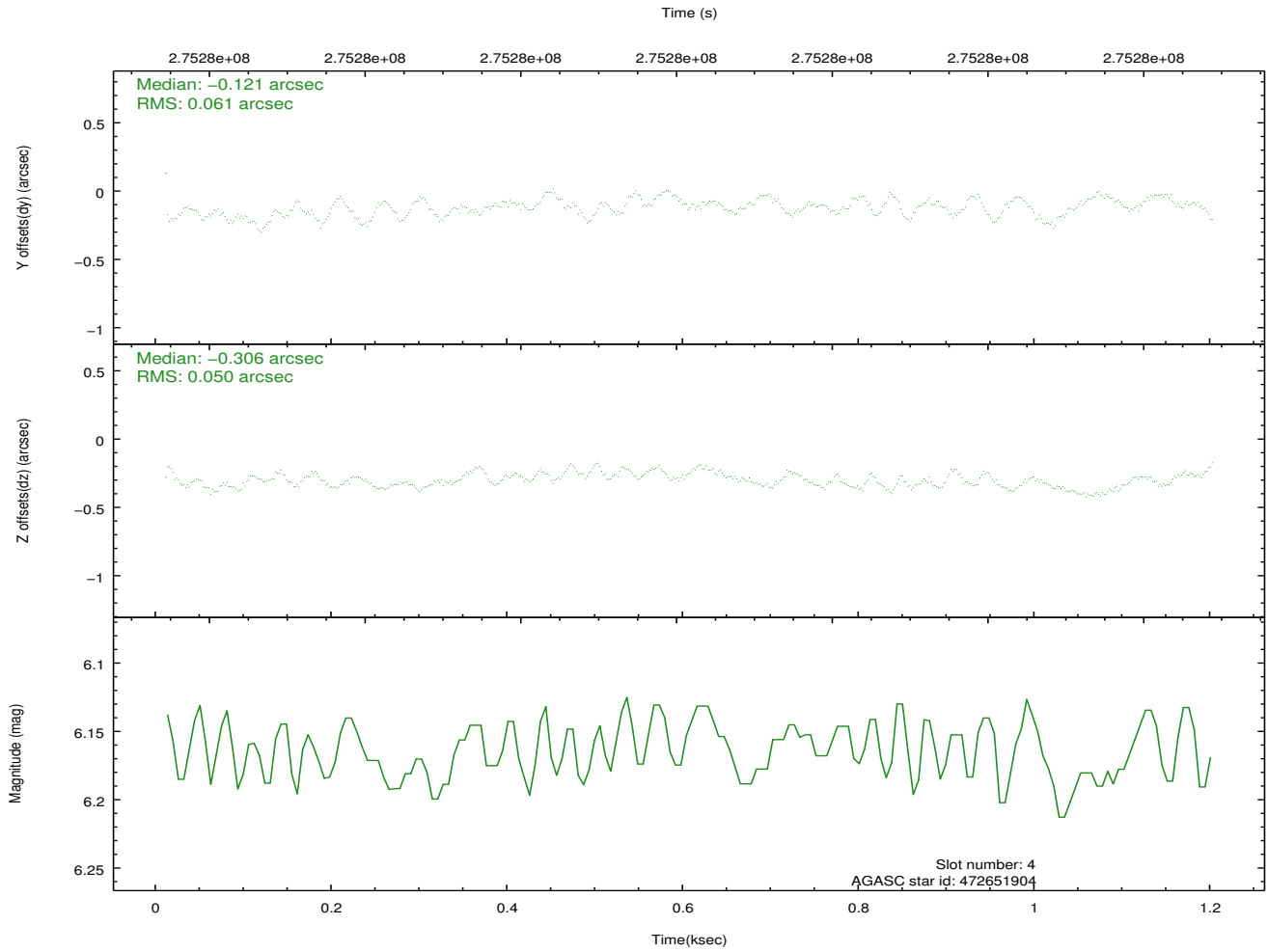
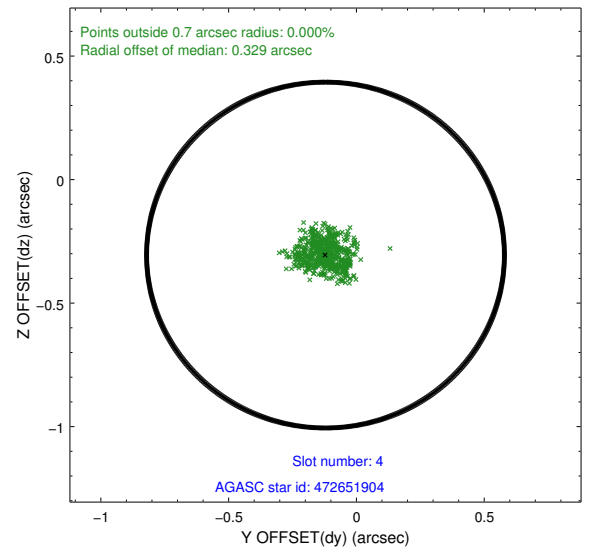
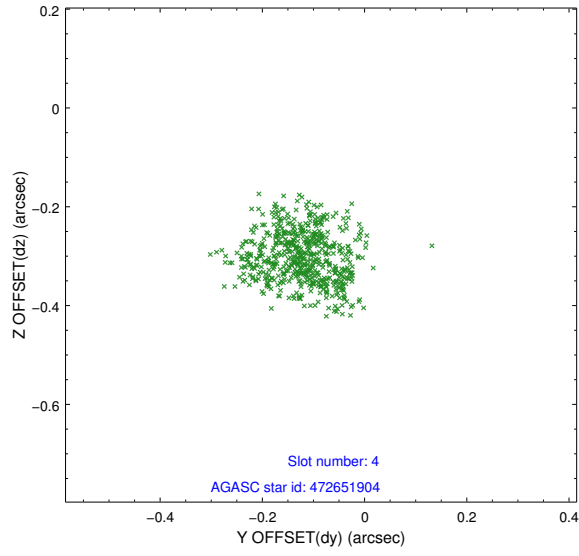
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.07	291	0.147	-0.205	0.008	0.021	0.000000	0.000000	-1163.49	-459.09
1	FID	HRC-S-2	7.05	291	0.143	-0.114	0.005	0.011	0.000000	0.000000	1232.16	-453.23
2	FID	HRC-S-3	7.07	291	0.099	0.016	0.008	0.015	0.000000	0.000000	-1162.02	569.09
3	GUIDE	472533912	9.15	582	-0.033	0.114	0.125	0.211	331.791136	46.368695	154.83	-2217.16
4	GUIDE	472651904	6.17	582	-0.121	-0.306	0.088	0.129	332.170077	45.742257	671.78	168.77
5	GUIDE	472654568	9.43	580	-0.012	0.184	0.132	0.379	332.194449	45.063576	2017.33	2214.86
6	GUIDE	472655152	9.43	581	0.090	-0.098	0.115	0.186	332.504239	45.862991	-261.82	297.44
7	GUIDE	472665256	9.03	581	0.059	0.100	0.085	0.140	332.808125	46.195041	-1568.62	-261.11

2.4 Star Slots

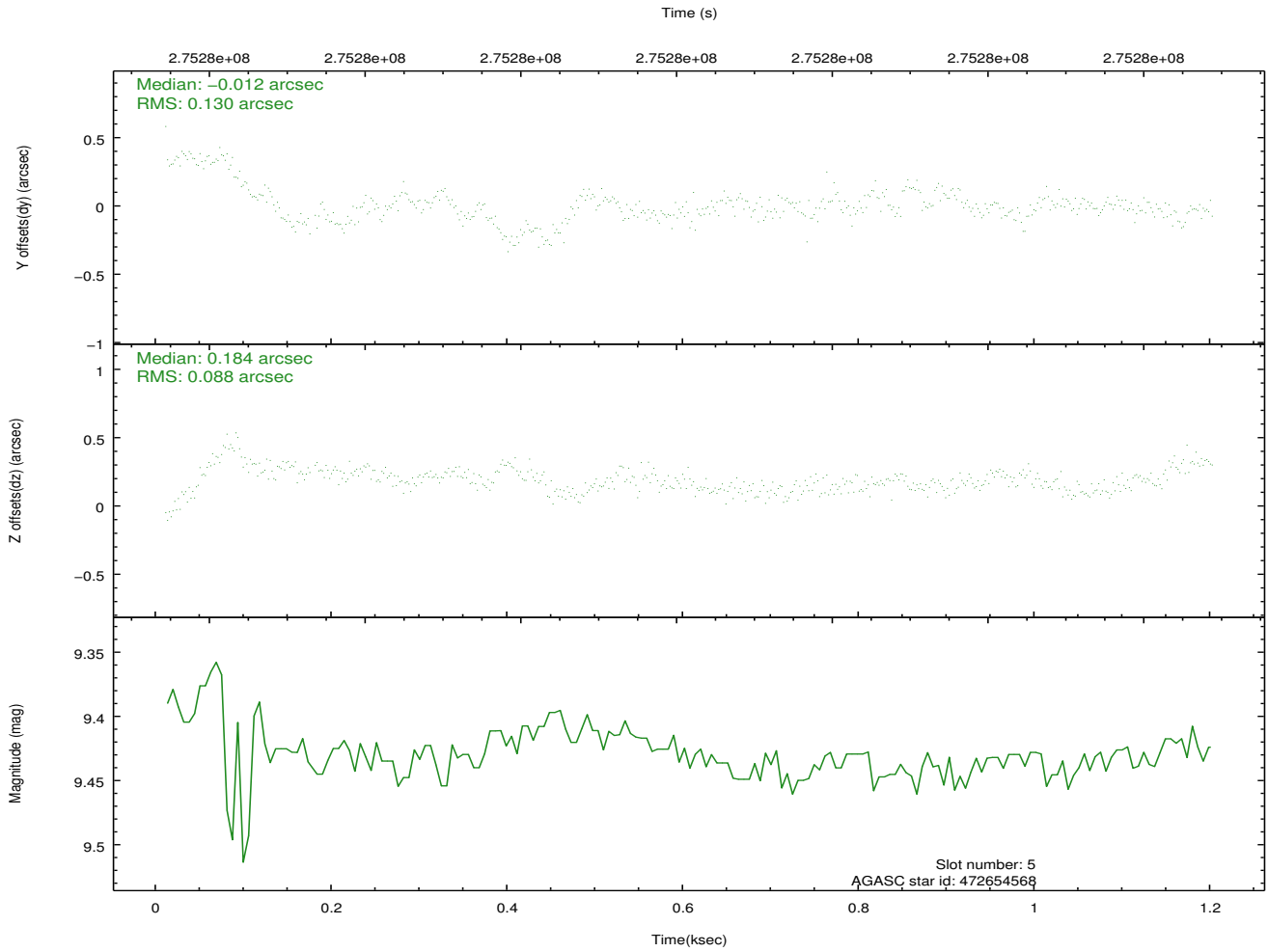
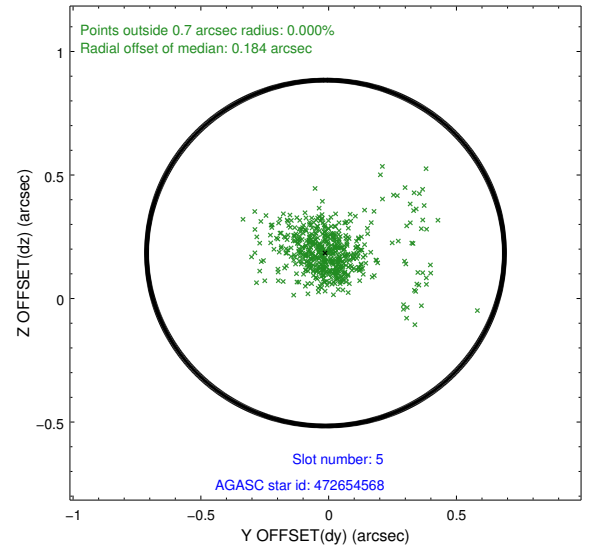
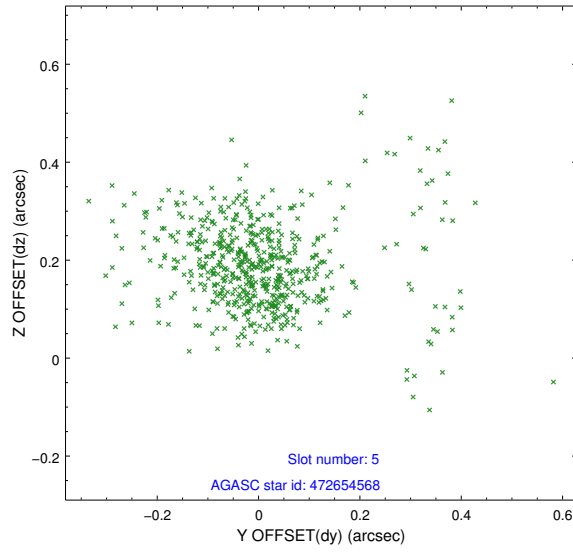
2.4.1 Slot 3



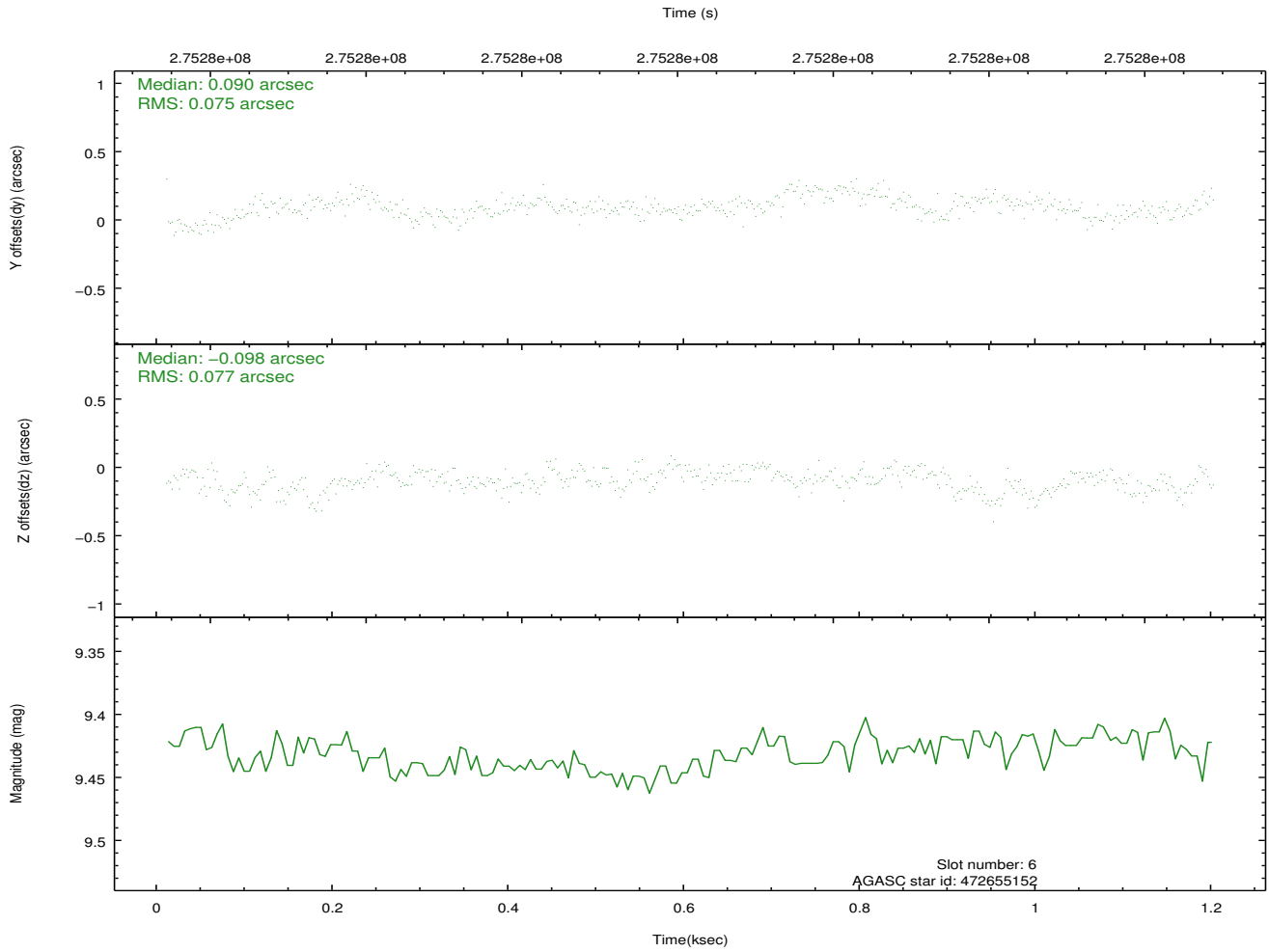
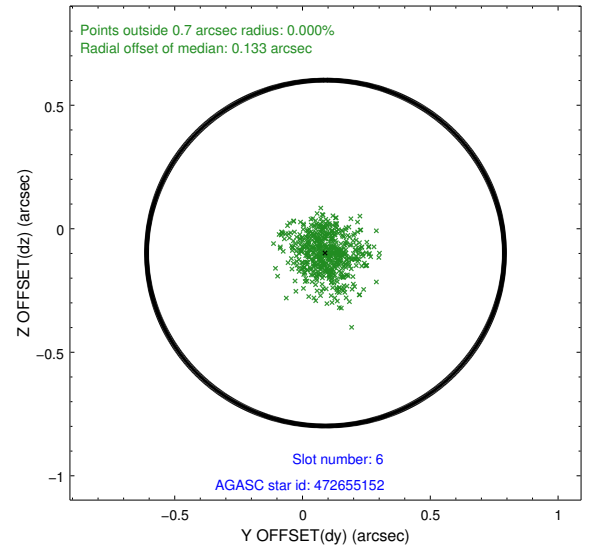
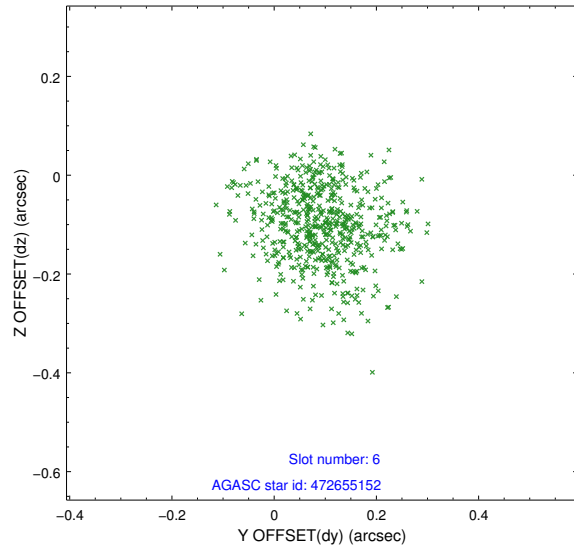
2.4.2 Slot 4



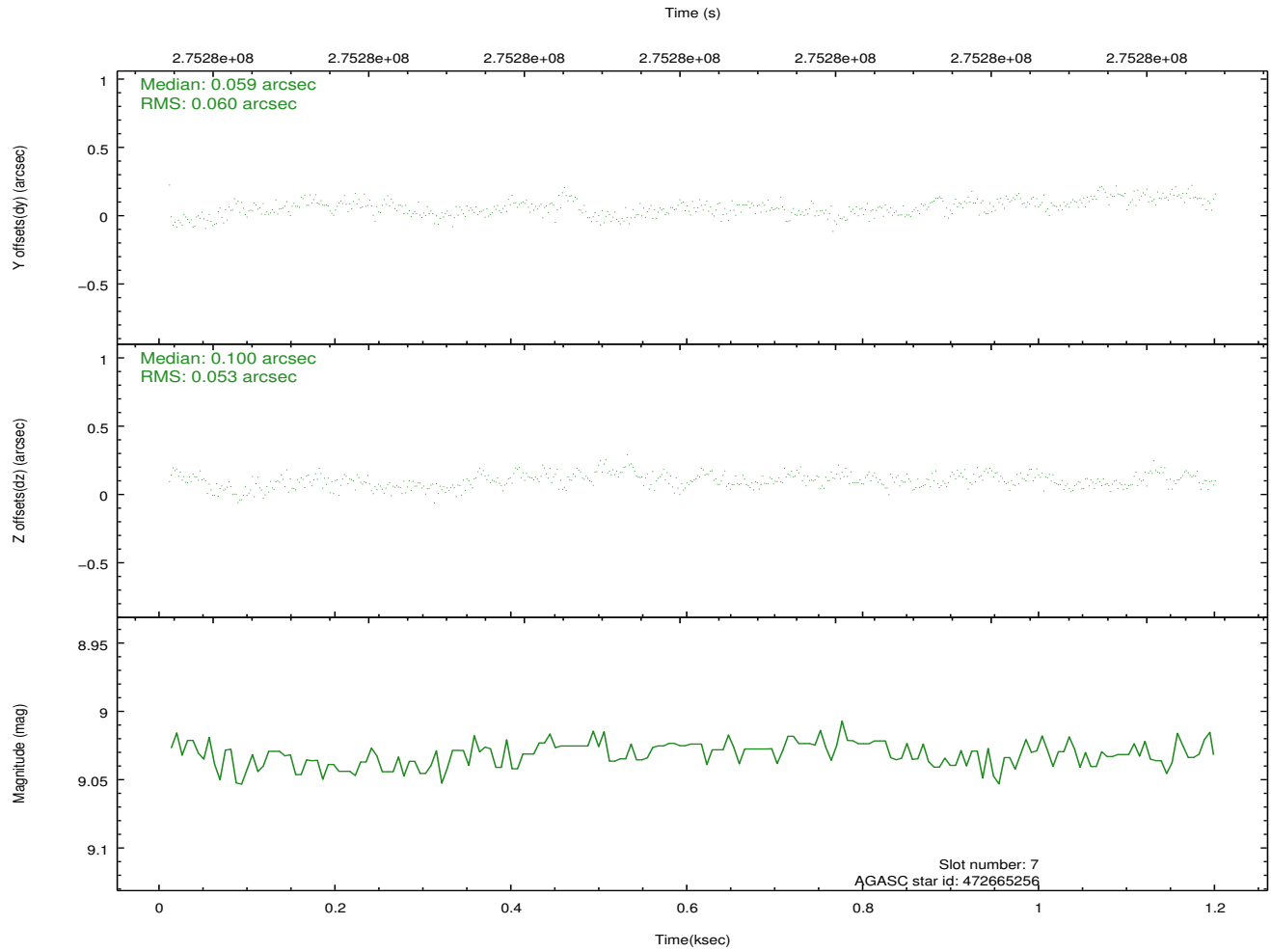
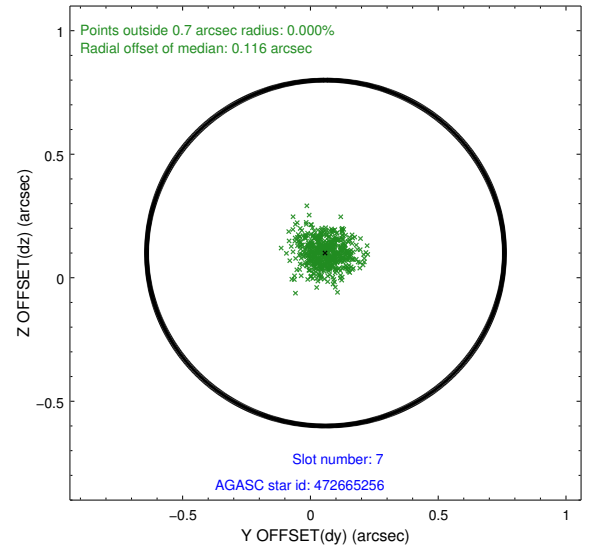
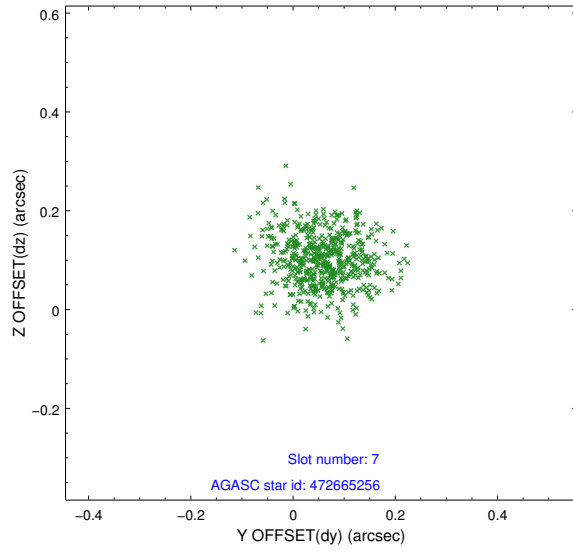
2.4.3 Slot 5



2.4.4 Slot 6

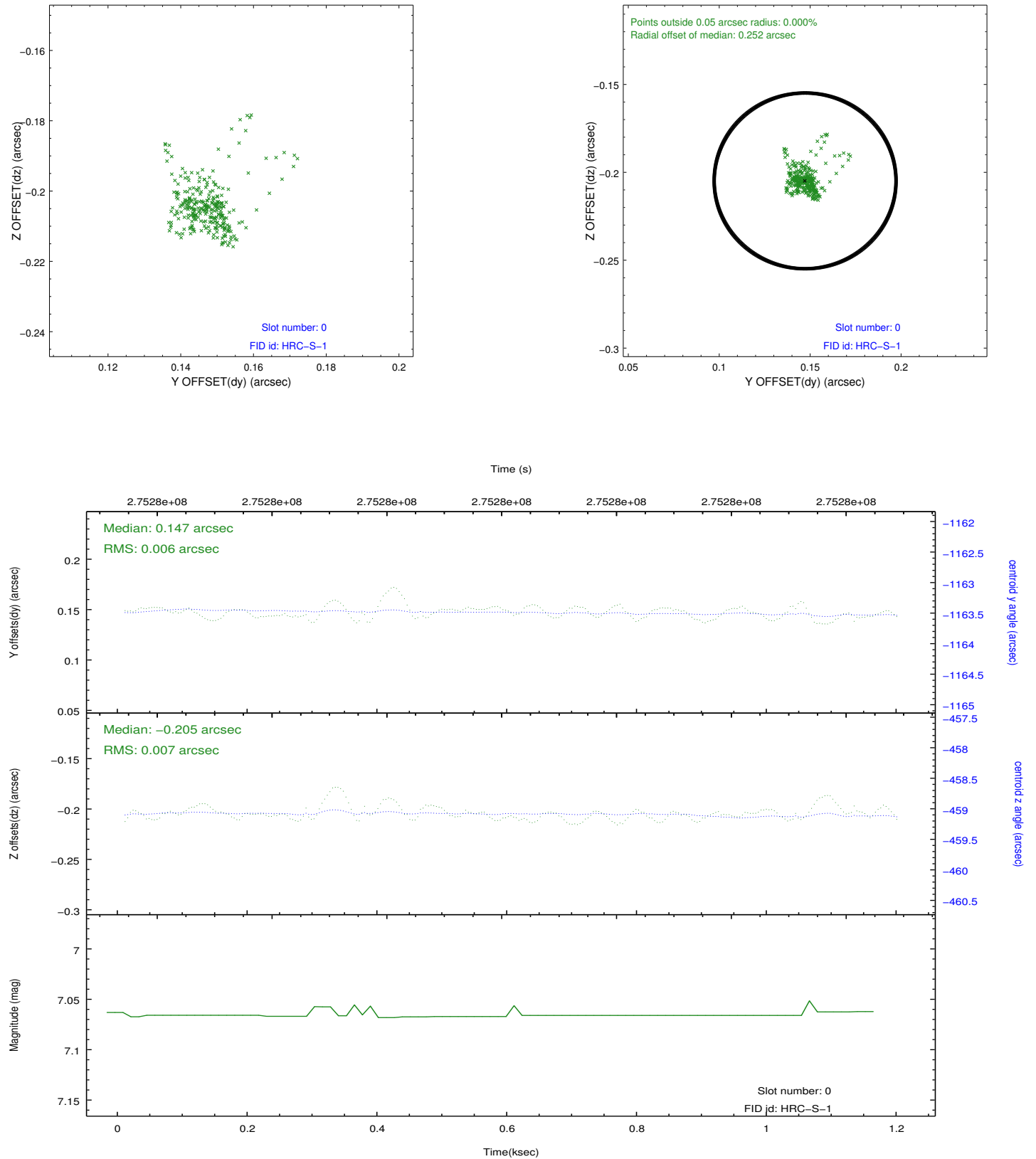


2.4.5 Slot 7

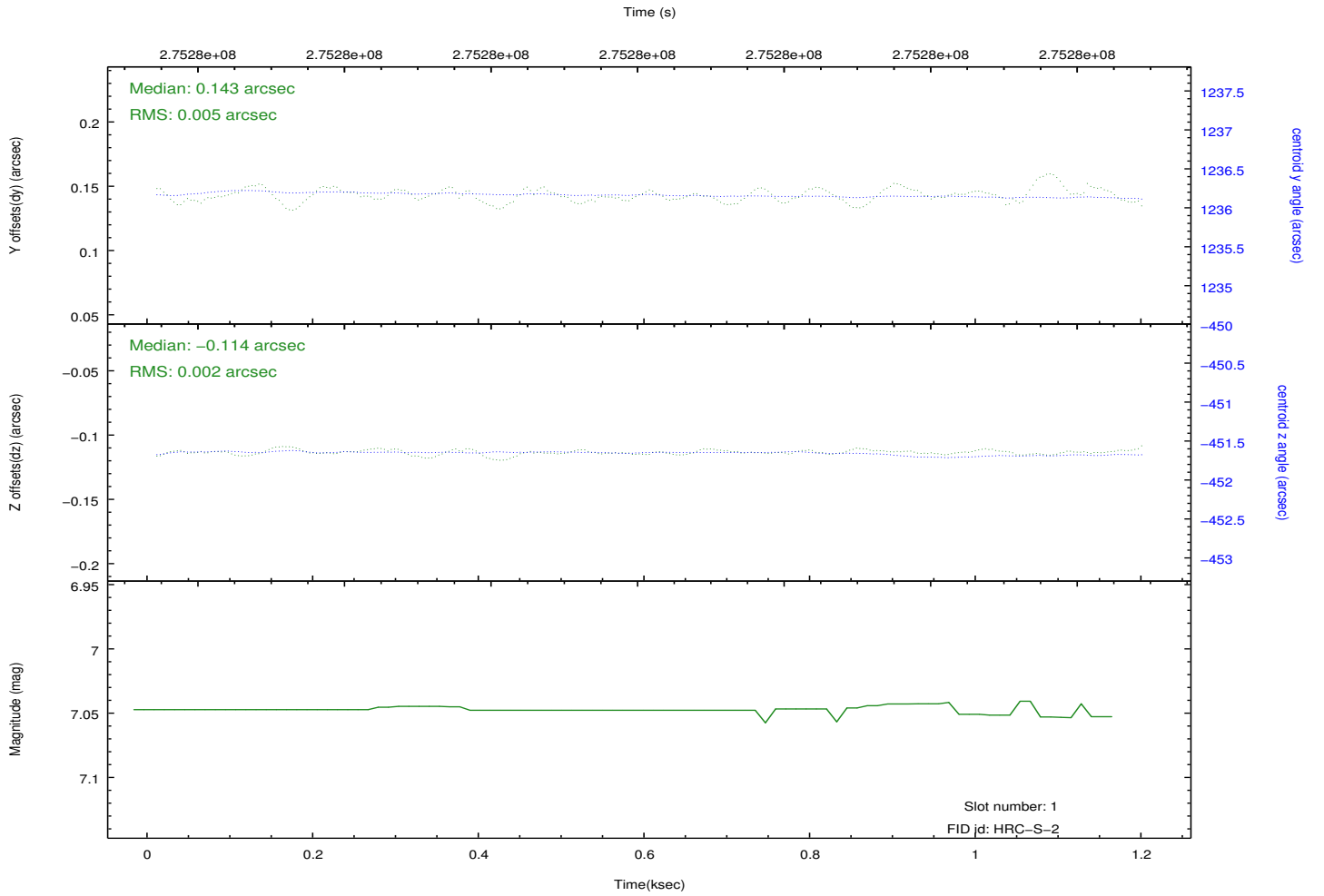
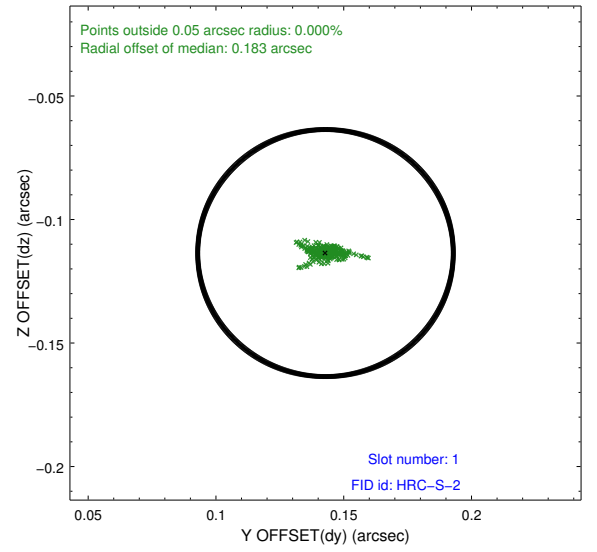
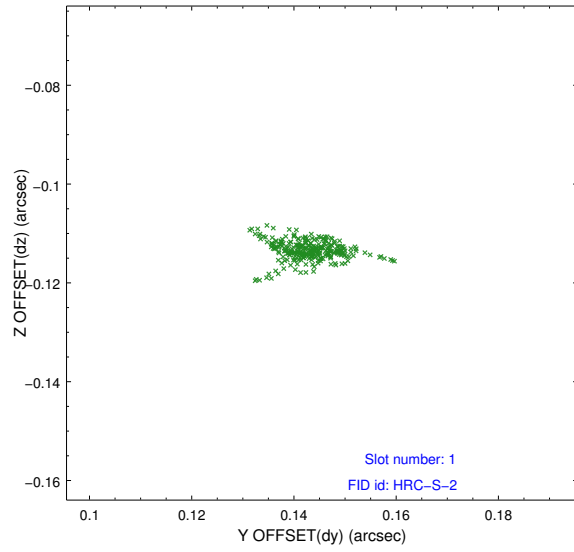


2.5 FID Slots

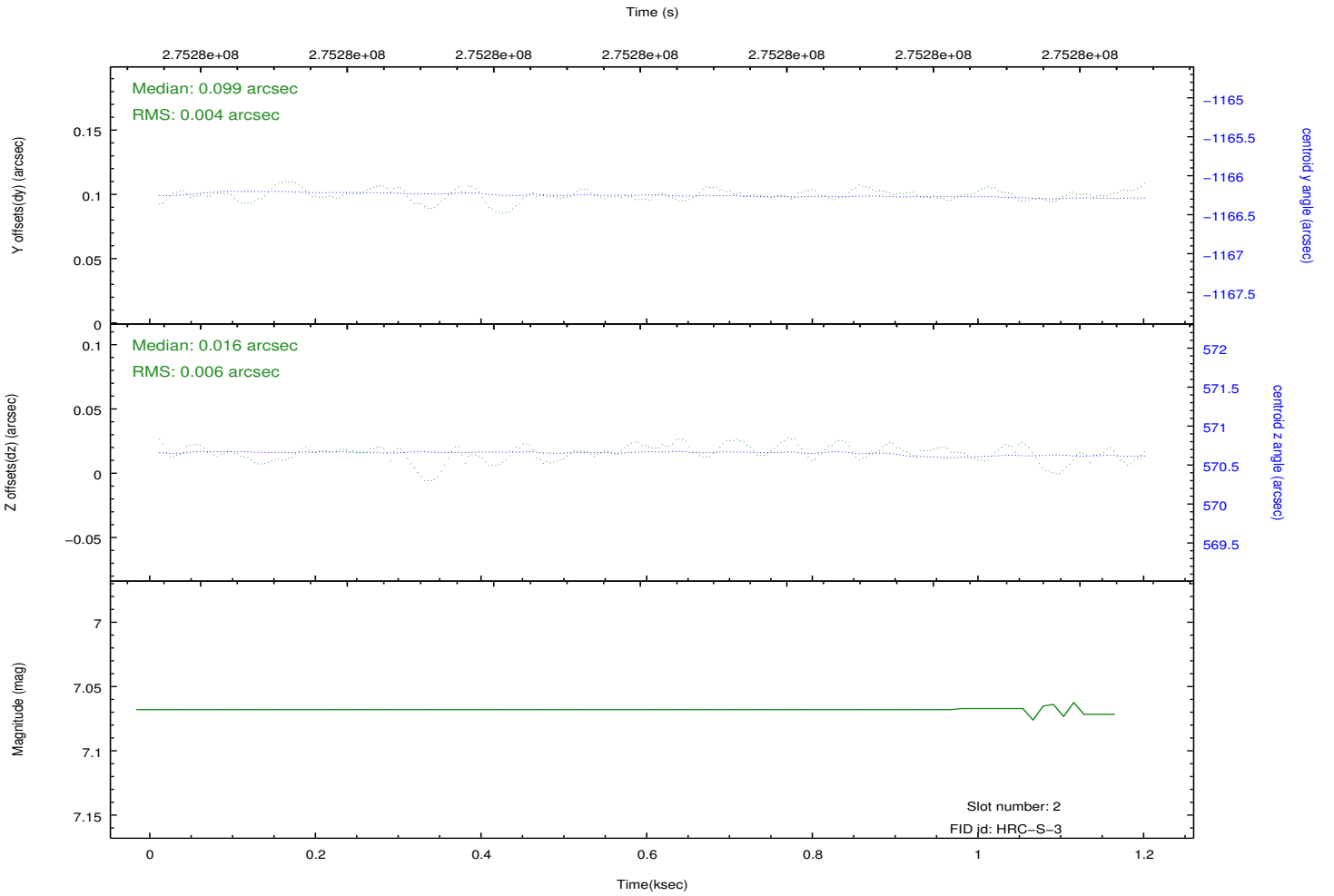
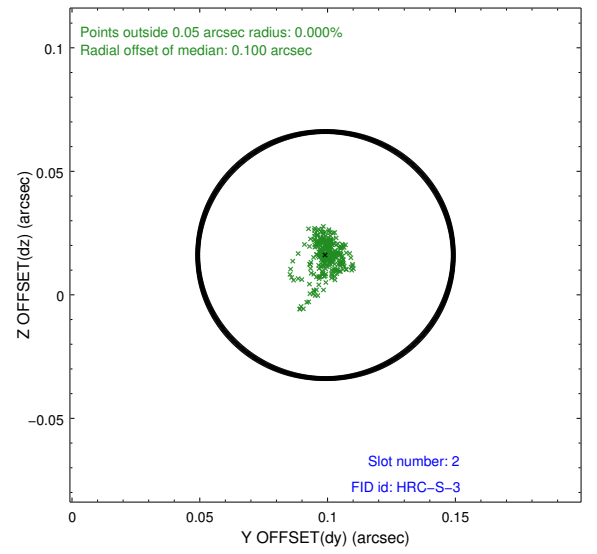
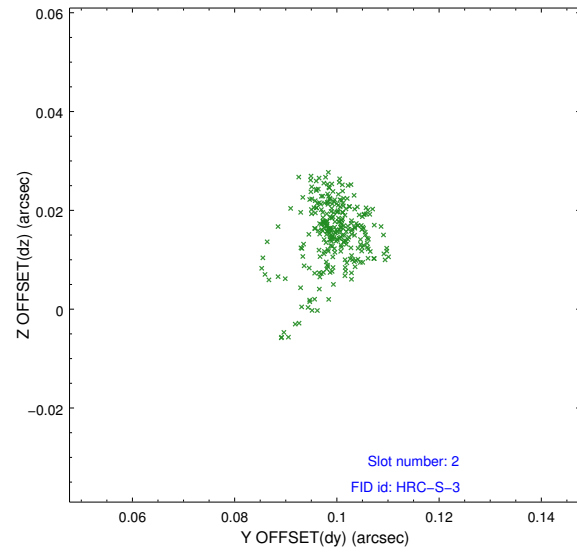
2.5.1 Slot 0



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)	2012.08.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1615813

A.2 Comments