

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 17334 - L2 Version 1
Chandra X-Ray Center

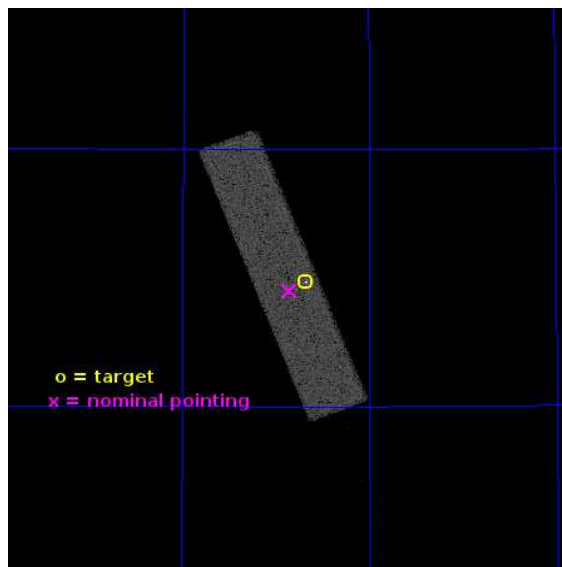
L2 Processing Date : Oct 20 2015

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1 Front

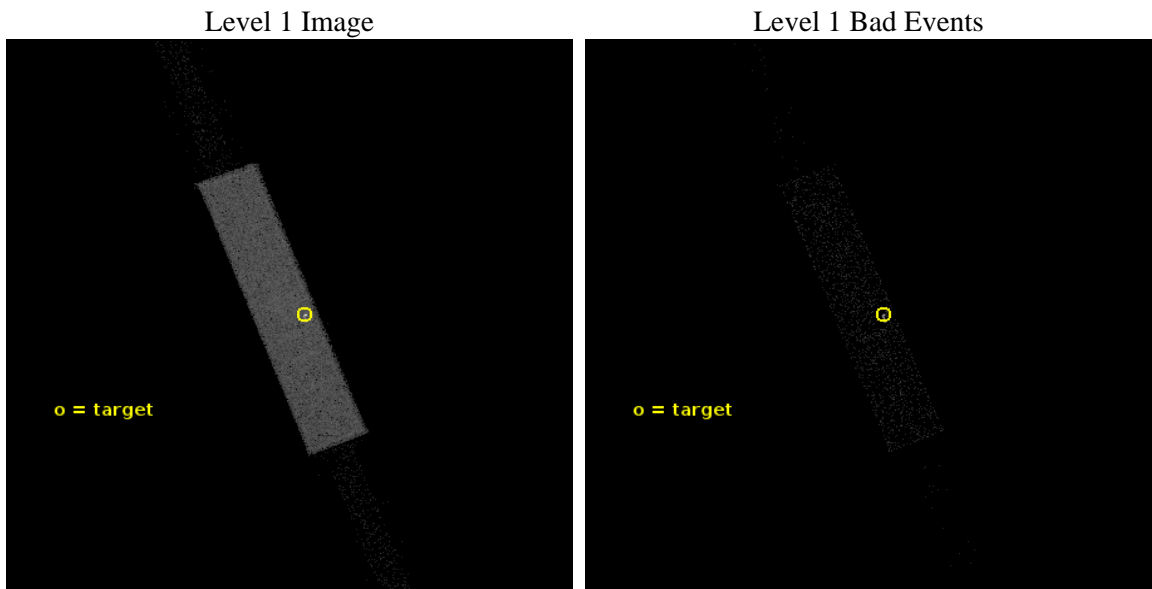
seq_num	291207	Sequence number
obs_id	17334	Observation id
title	AO-16 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.21338995942	Nominal RA [deg]
dec_nom	45.725154970929	Nominal Dec [deg]
roll_nom	248.34286107459	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1155.4313154221	[s]
livetime	1148.4286586713	Ontime multiplied by DTCOR
l2events	52696	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.2.1	Processing system revision	ontime	1155.4313154221	[s]
caldbver	4.6.10a	 	l1events	81811	Number of level 1 events
date	2015-10-20T22:42:21	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

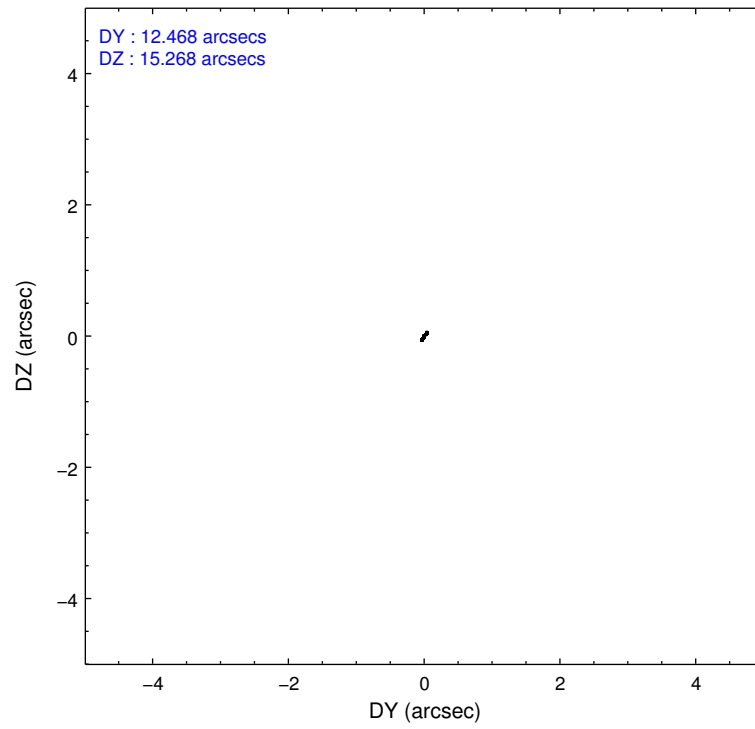
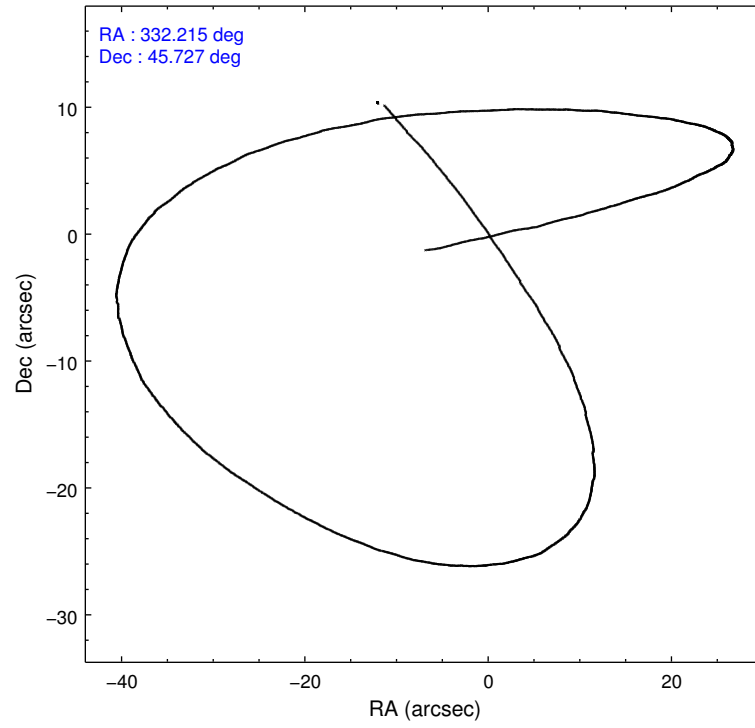
Level 1 Events

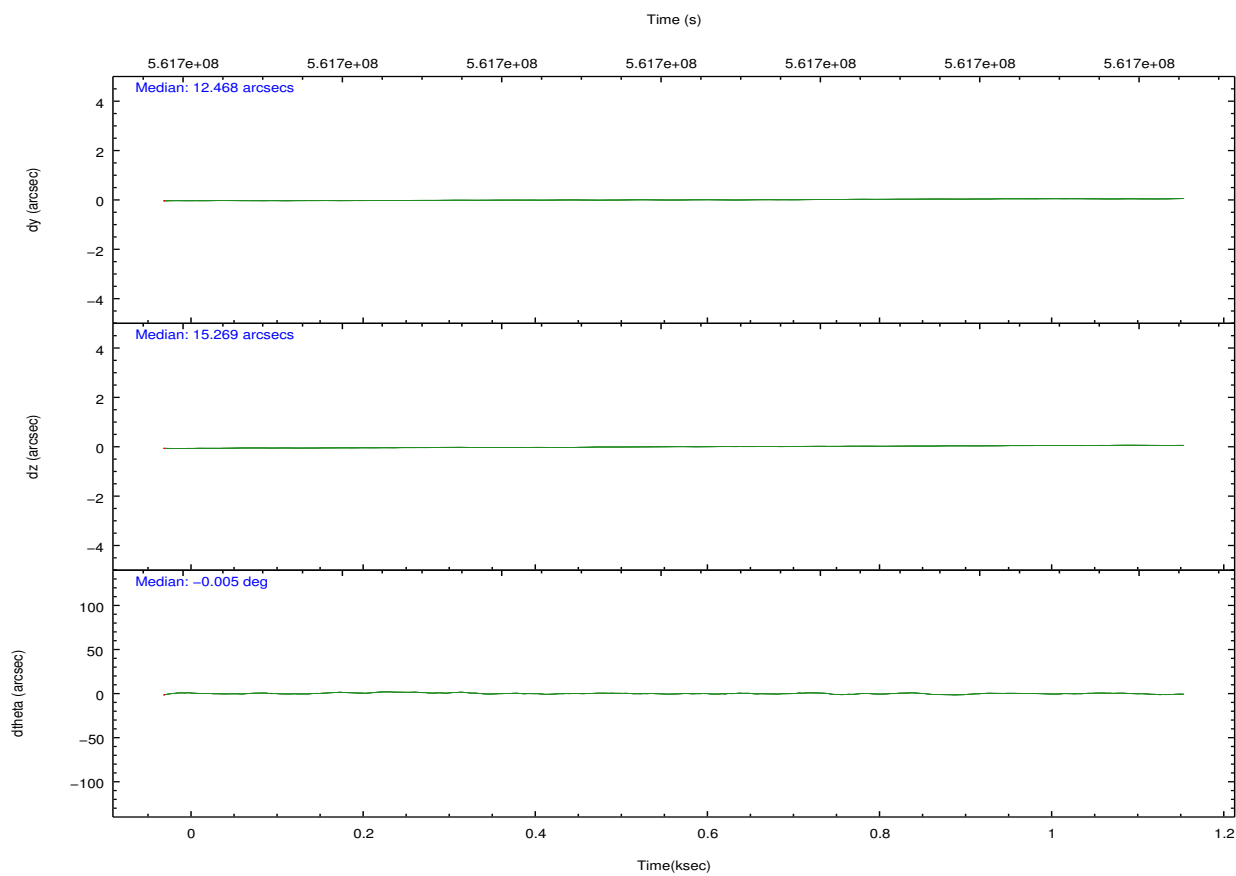
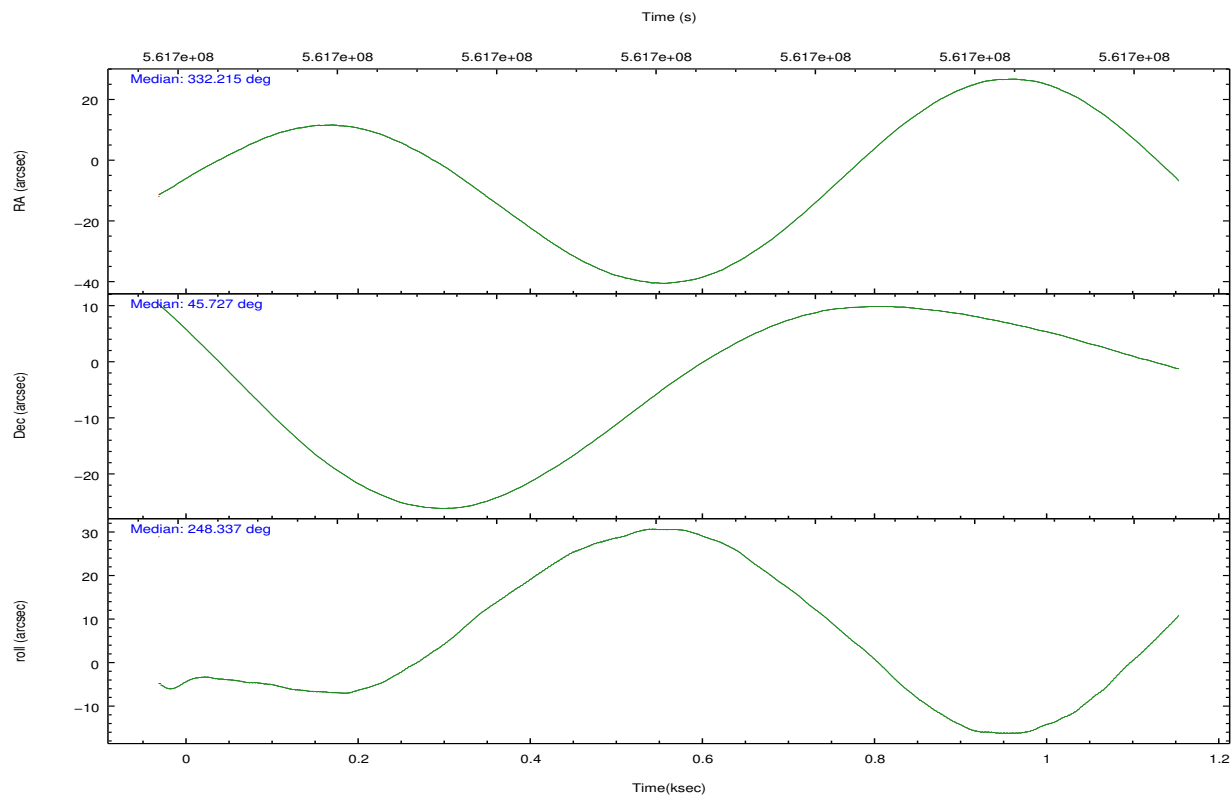
	segment 1	segment 2	segment 3
level 1 events	724	80360	727
rejected events	724	18262	705
rejected %	100%	22%	96%

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	332.203763	332.2133899594215			
[deg] Pointing Dec	45.753732	45.72515497092908			
[deg] Pointing Roll	248.282595	248.3428610745851			
[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)	561703193.184000	561702816.9709899			
Observation start date	2015-10-20T04:38:45	2015-10-20T04:33:36			
[s] Observation end time (MET)	561704193.184000	561704327.30858			
Observation end date	2015-10-20T04:55:25	2015-10-20T04:58:47			

2.3 Aspect



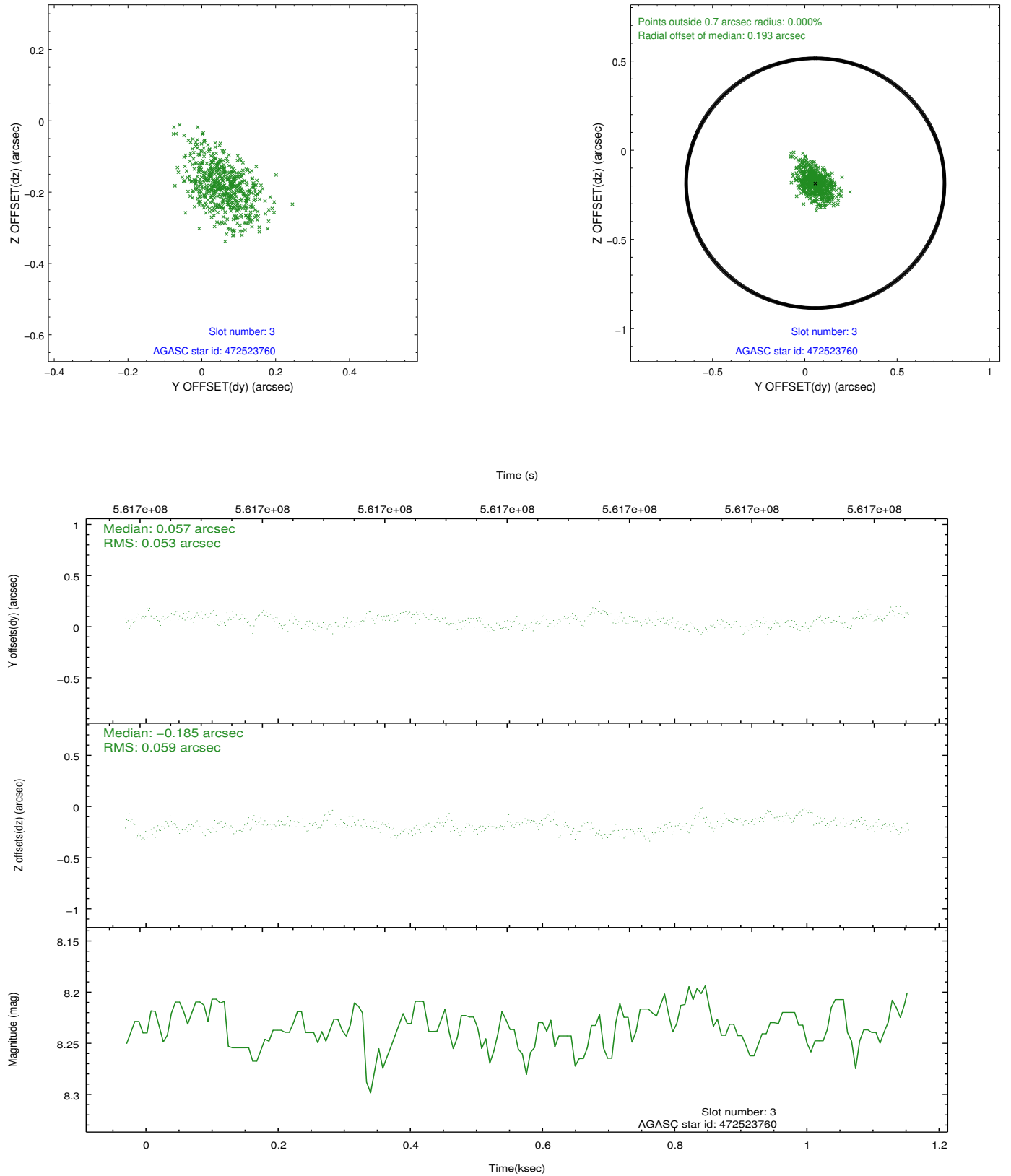


Slot Statistics

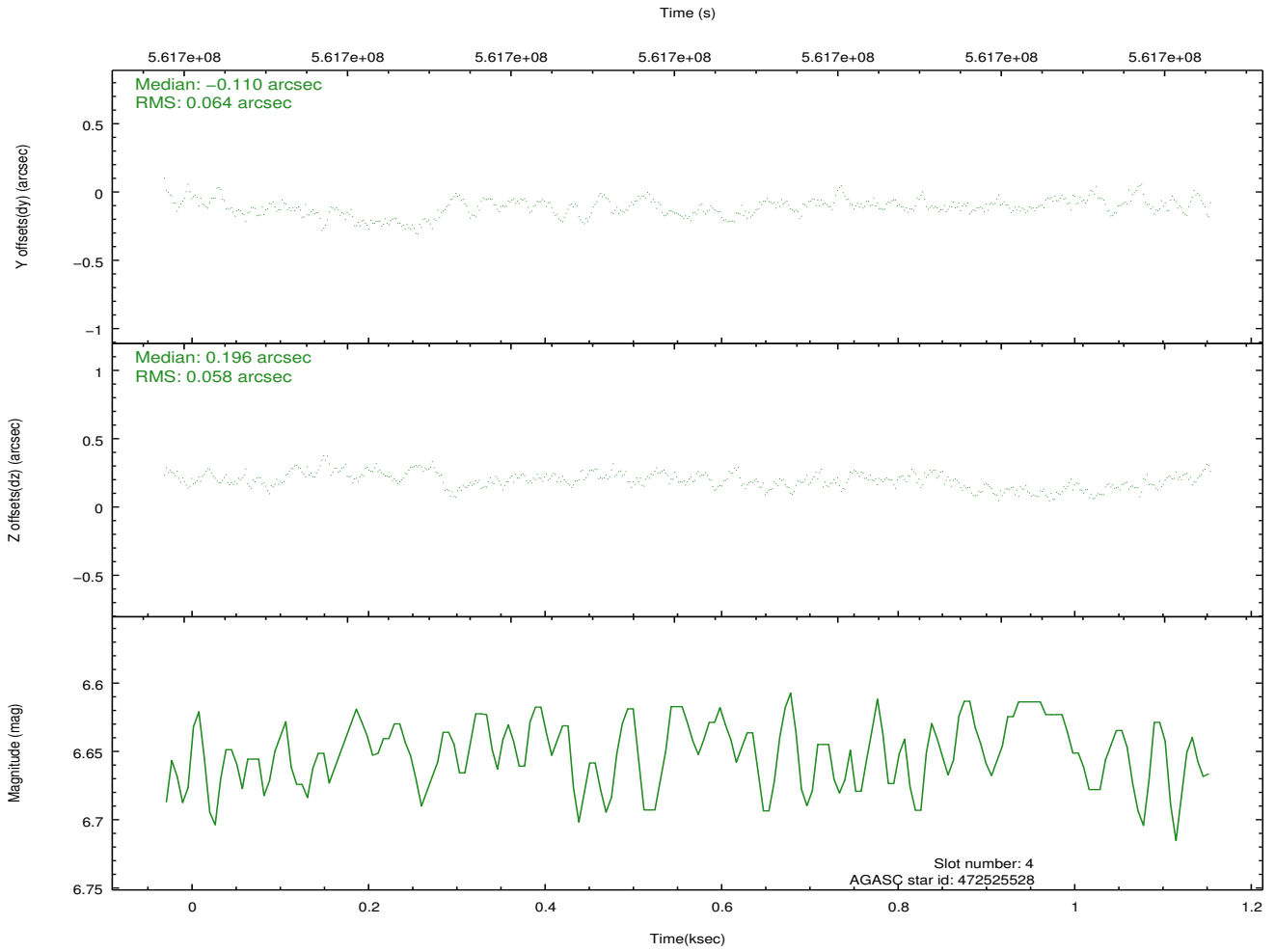
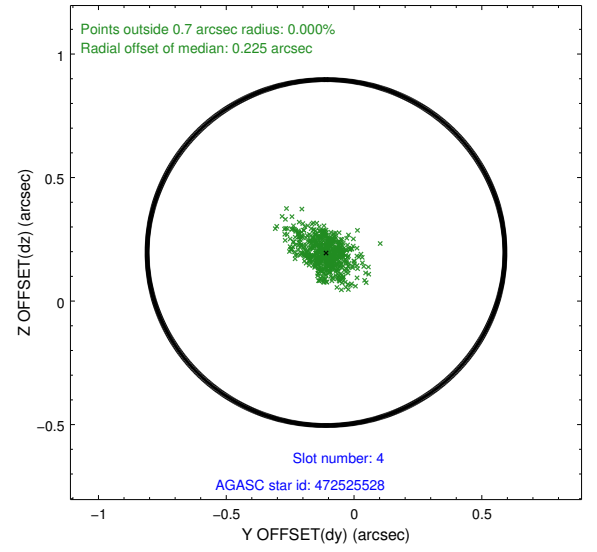
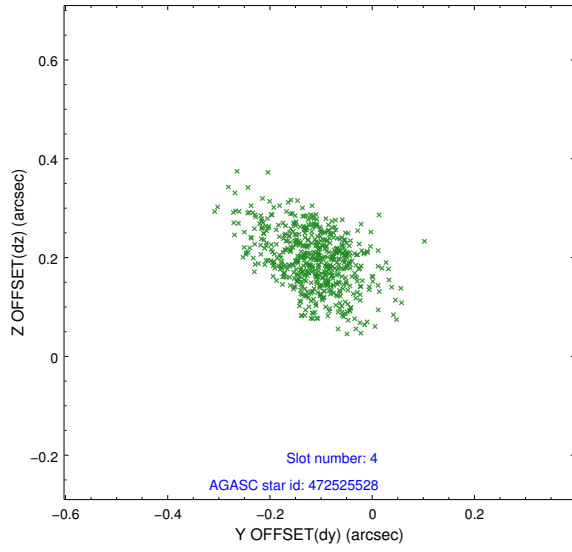
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.01	290	0.001	-0.207	0.006	0.011	0.000000	0.000000	-1166.86	-464.19
1	FID		HRC-S-2	6.99	290	0.366	-0.146	0.005	0.010	0.000000	0.000000	1229.14	-458.32
2	FID		HRC-S-3	7.01	290	0.023	0.050	0.006	0.010	0.000000	0.000000	-1165.34	564.01
3	GUIDE	used	472523760	8.24	578	0.057	-0.185	0.083	0.139	331.645363	45.403260	1691.28	-850.23
4	GUIDE	used	472525528	6.65	579	-0.110	0.196	0.086	0.161	331.551102	45.248694	2298.95	-871.46
5	GUIDE	used	472533912	9.12	578	-0.002	0.193	0.159	0.281	331.791136	46.368695	-1674.73	-1777.78
6	GUIDE	used	472655152	9.40	579	0.047	-0.084	0.174	0.293	332.504239	45.862991	-647.16	546.82
7	GUIDE	used	472665256	8.99	578	0.030	-0.120	0.112	0.199	332.808125	46.195041	-2038.57	805.94

2.4 Star Slots

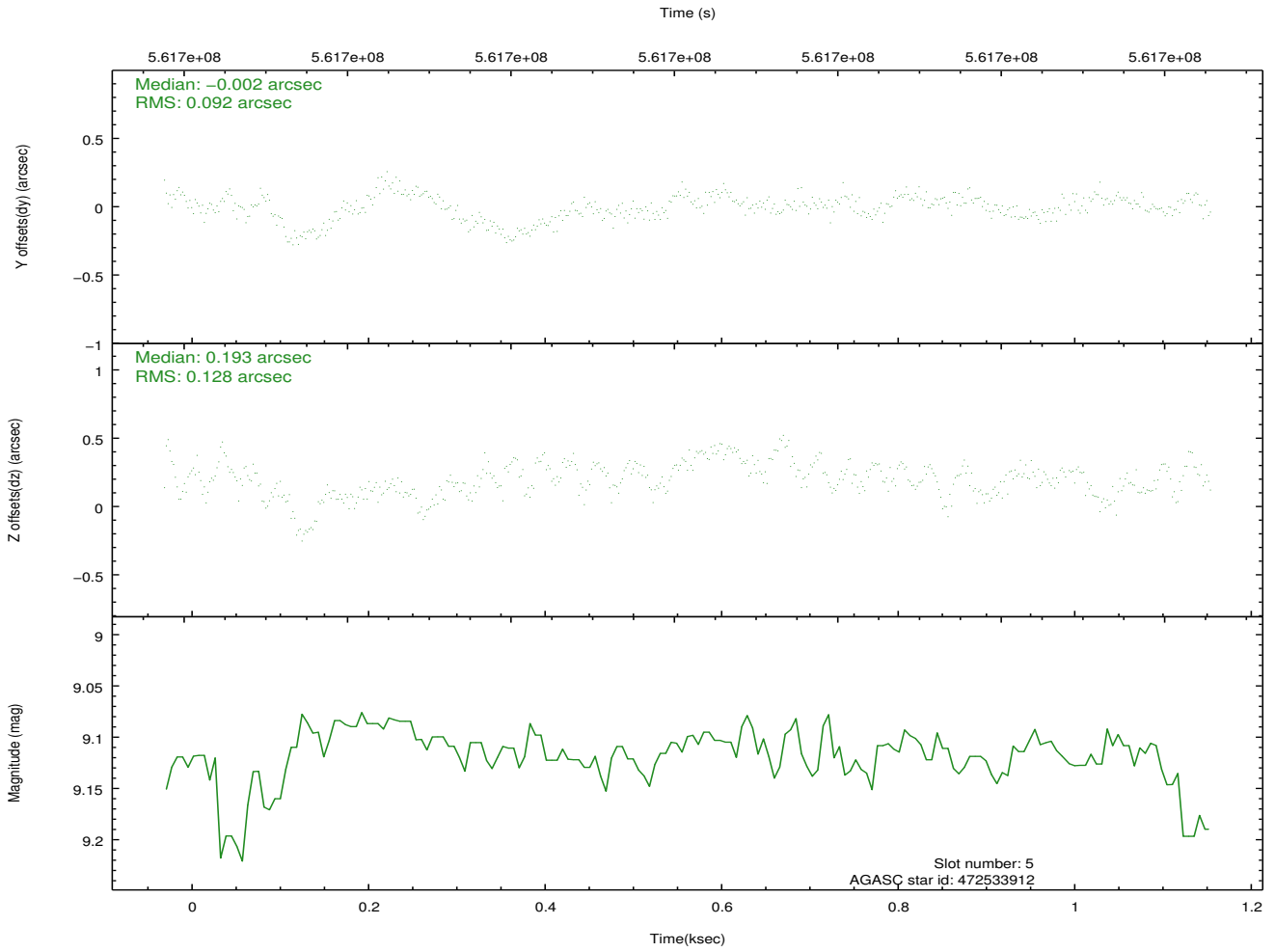
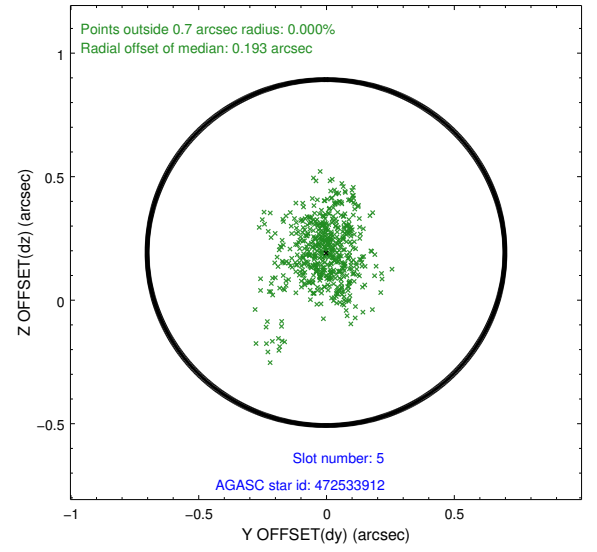
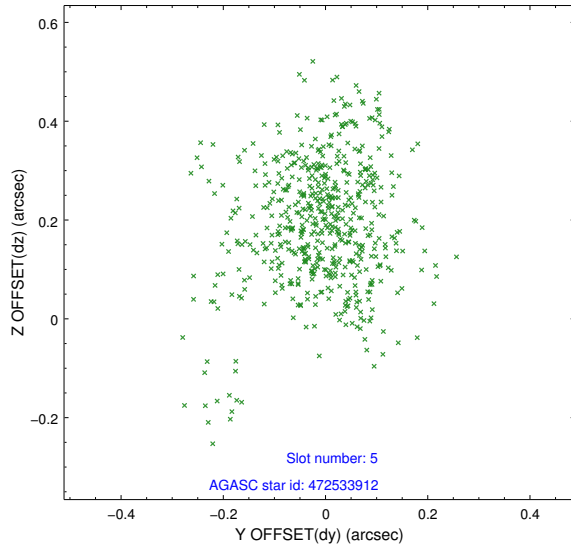
2.4.1 Slot 3



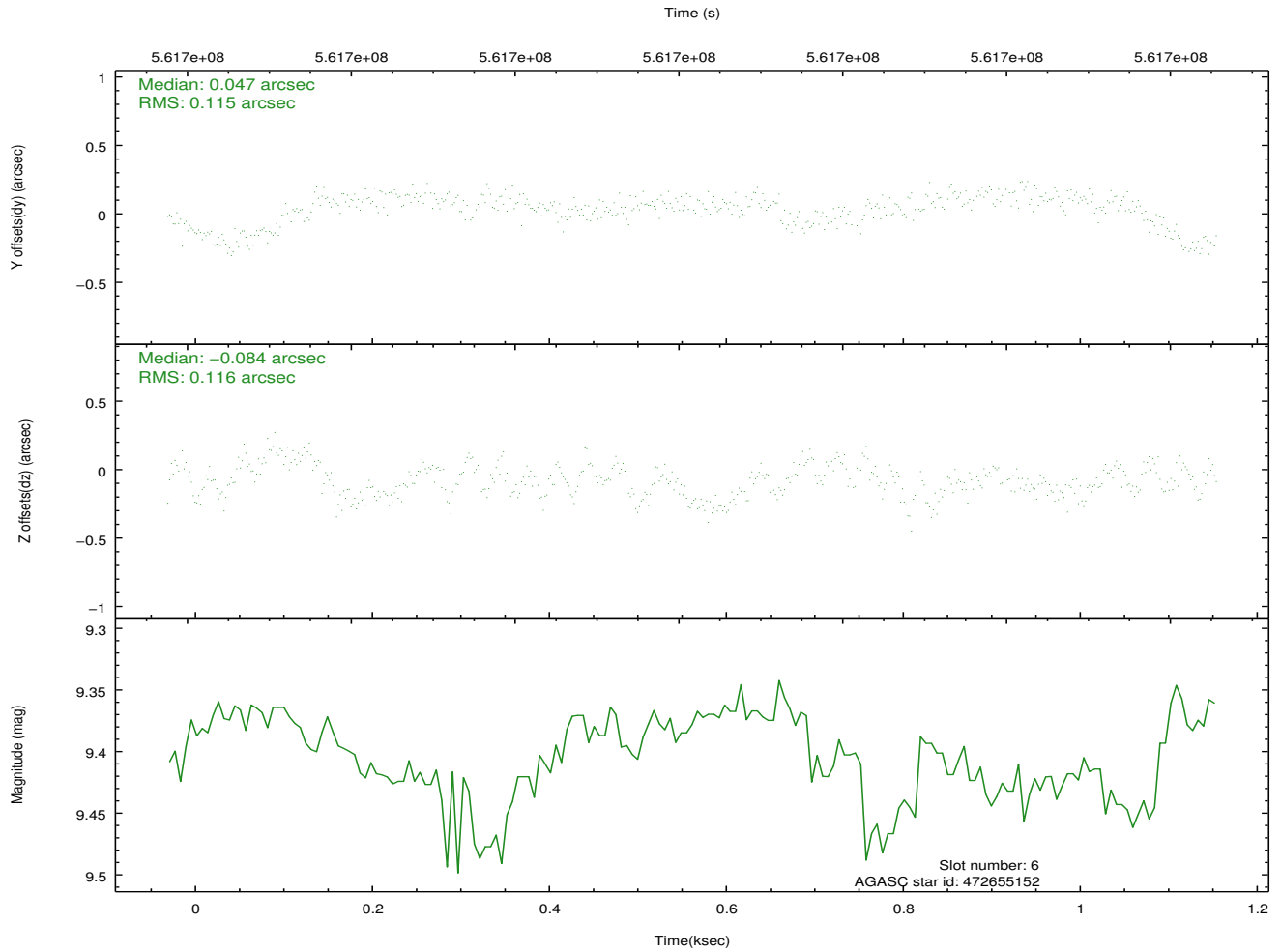
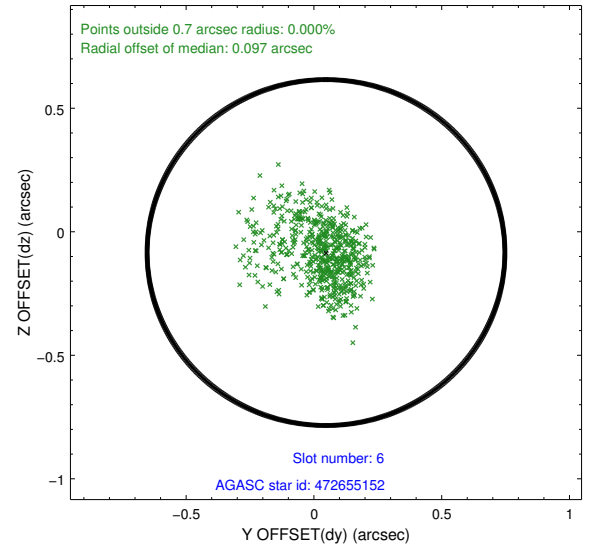
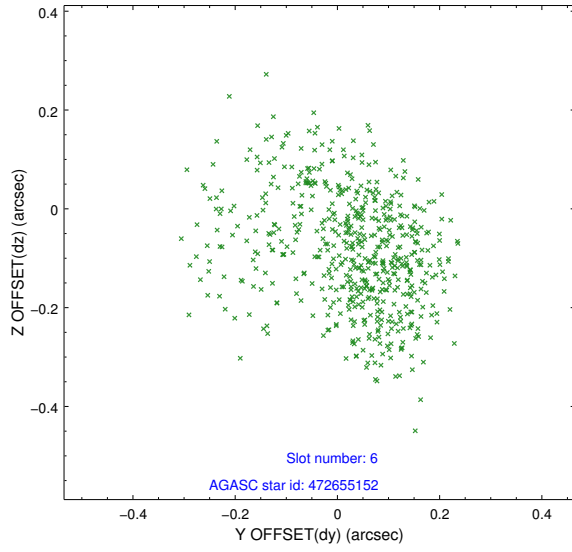
2.4.2 Slot 4



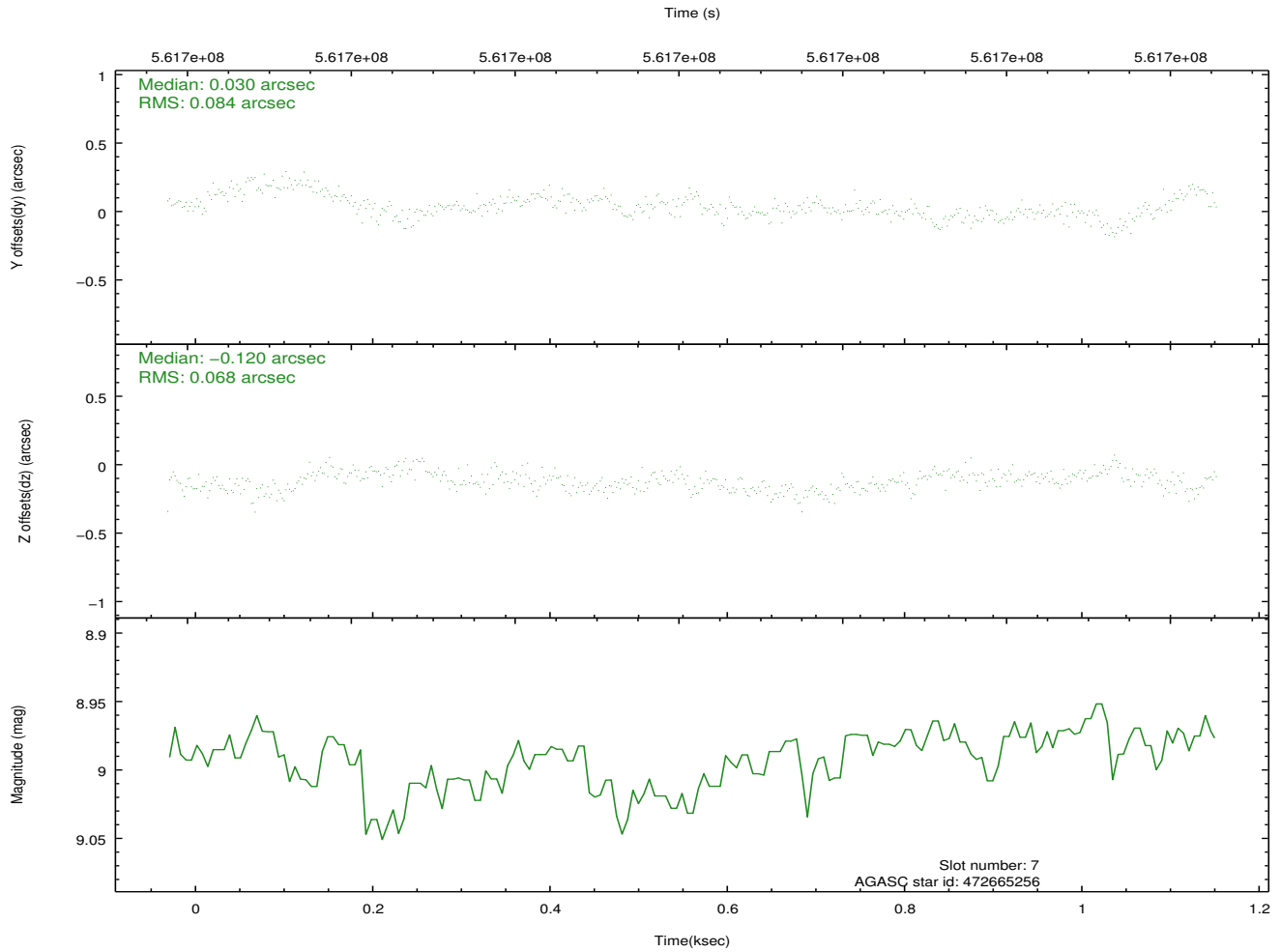
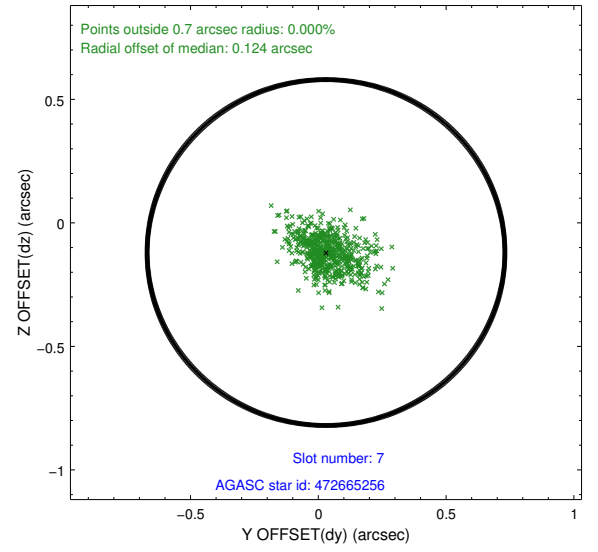
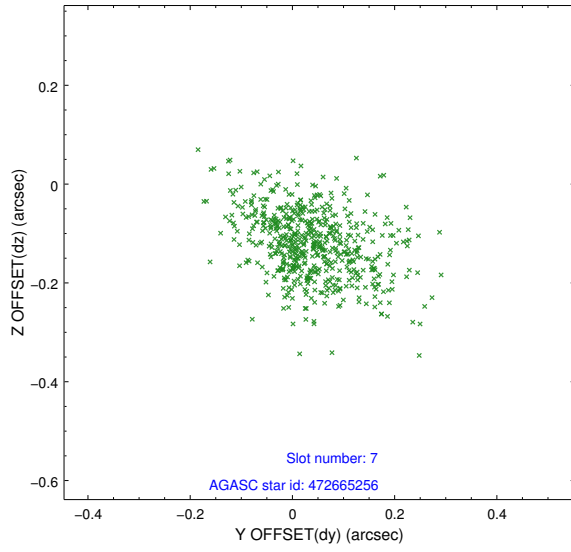
2.4.3 Slot 5



2.4.4 Slot 6

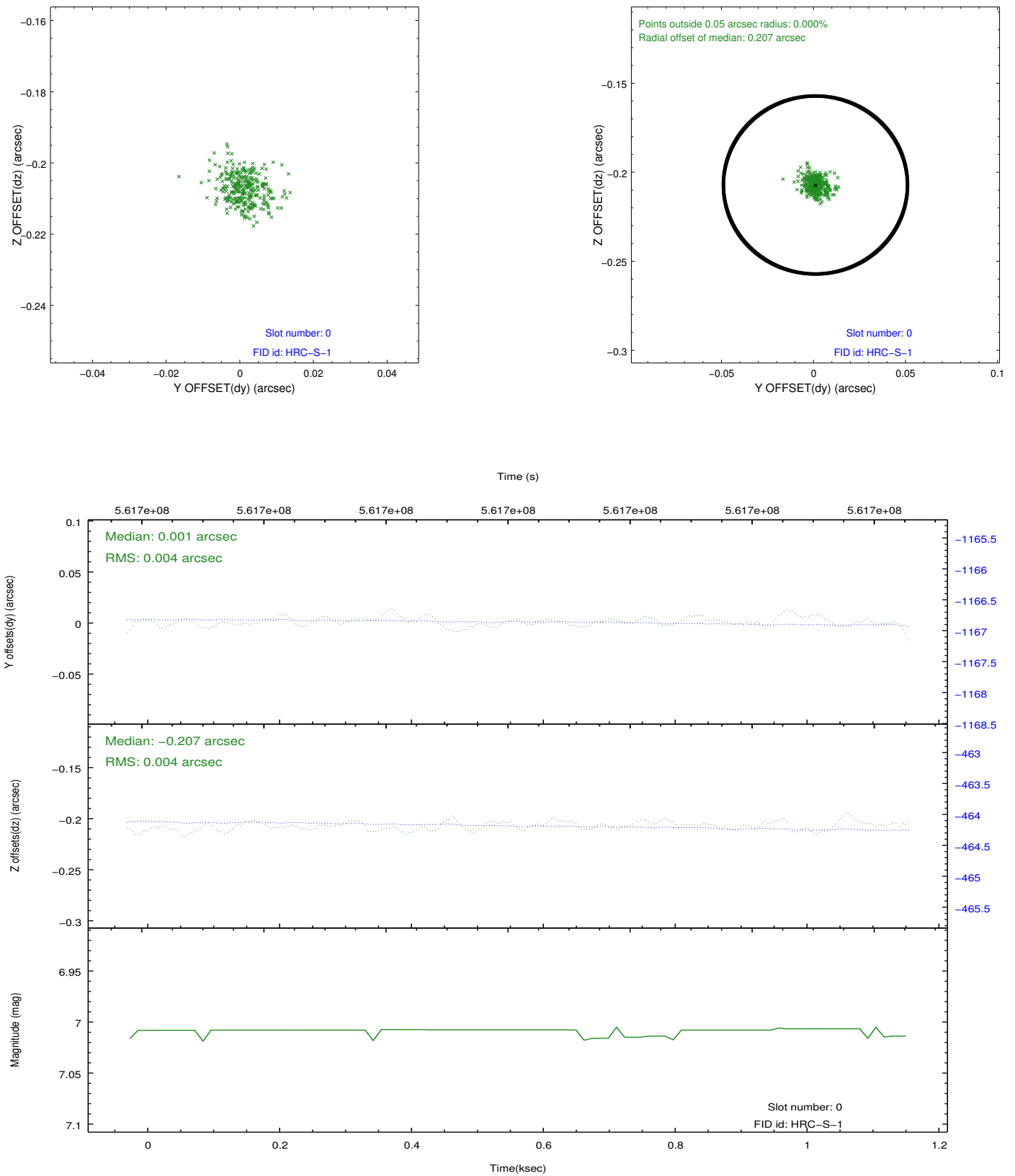


2.4.5 Slot 7

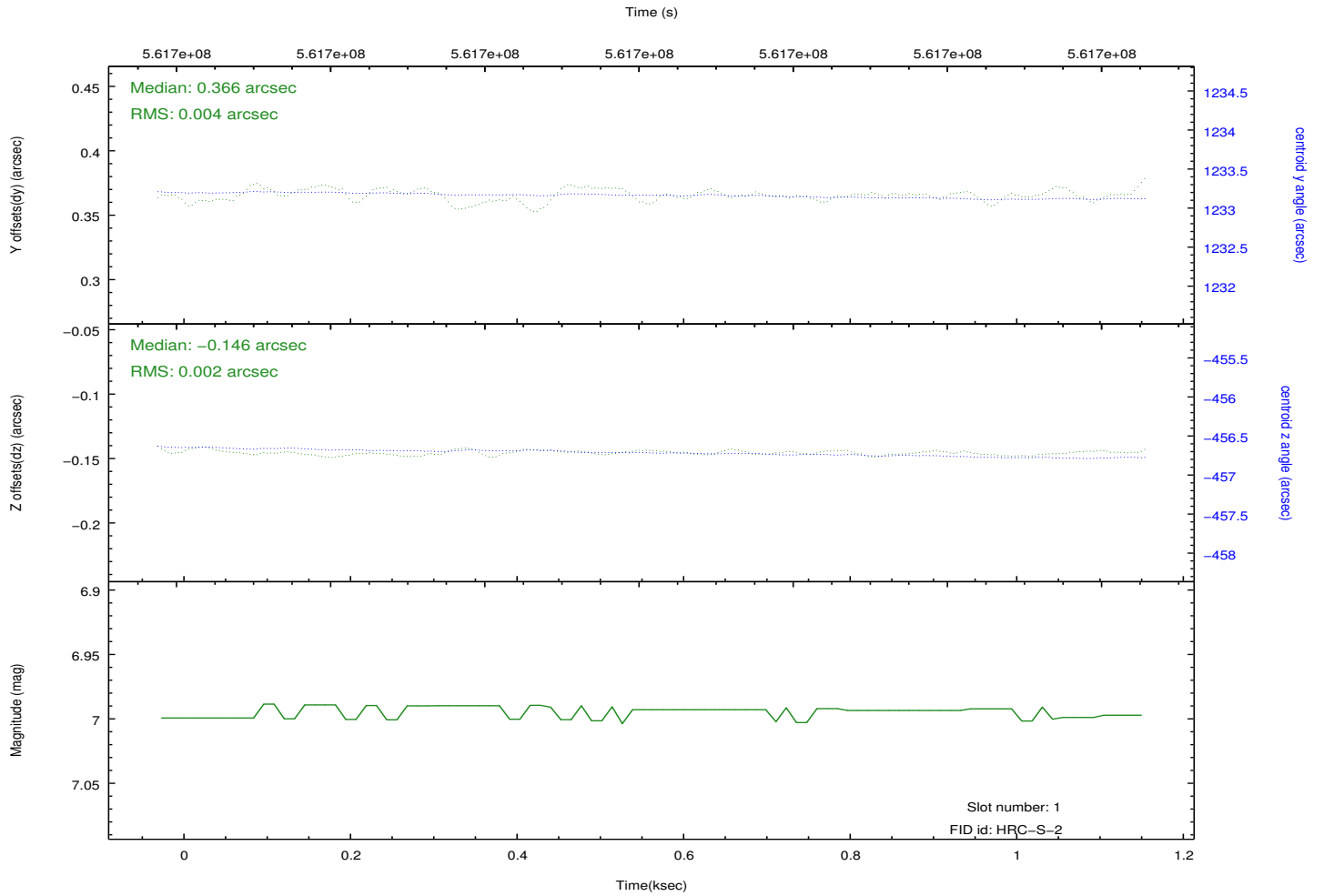
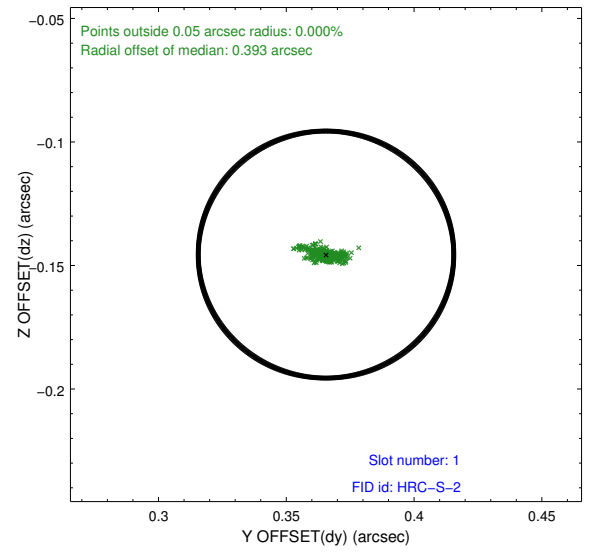
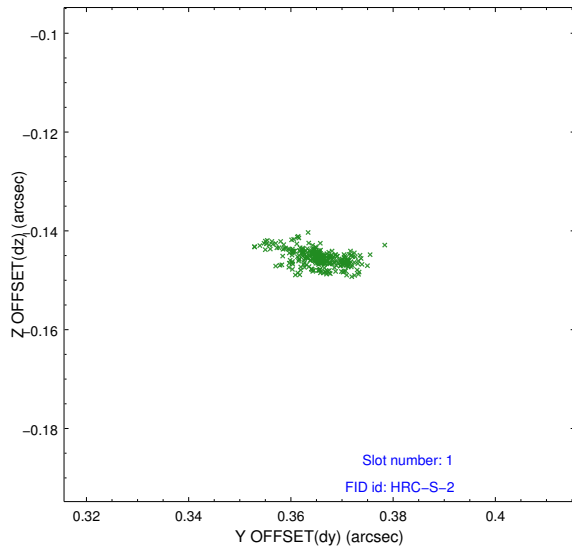


2.5 FID Slots

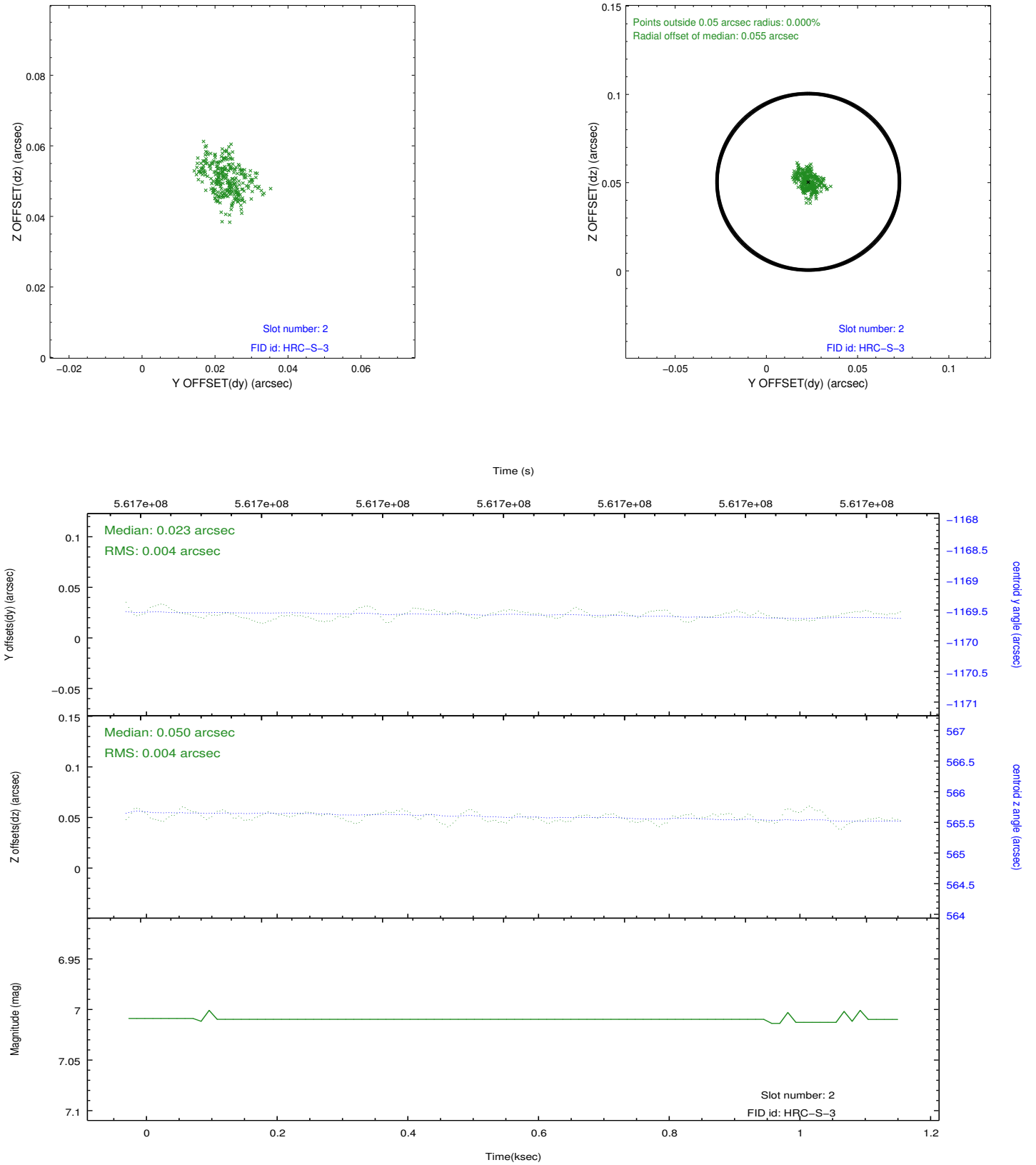
2.5.1 Slot 0



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)	2015.10.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1554313154221

A.2 Comments