

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18380 - L2 Version 1
Chandra X-Ray Center

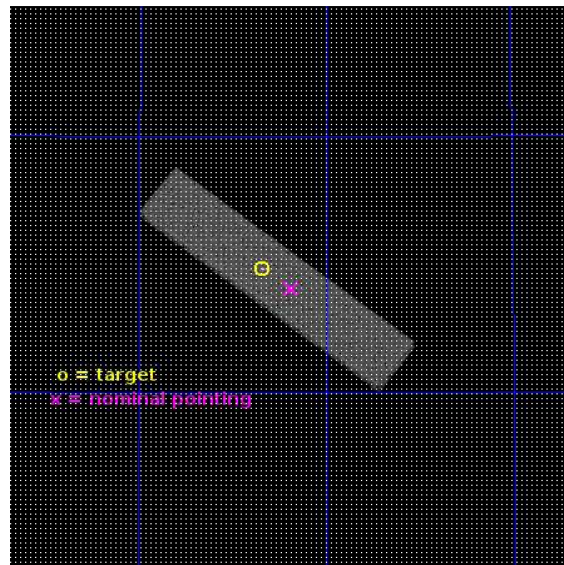
L2 Processing Date : Sep 23 2016

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1 Front

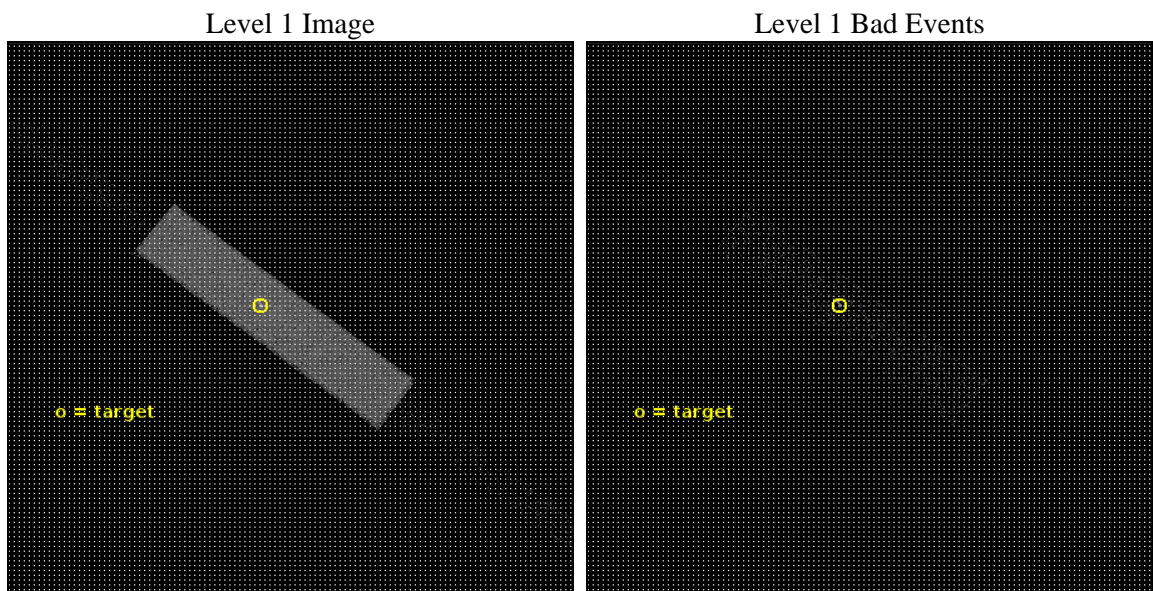
seq_num	291275	Sequence number
obs_id	18380	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.09246469179	Nominal RA [deg]
dec_nom	45.703658912831	Nominal Dec [deg]
roll_nom	217.22662471592	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1182.08131814	[s]
livetime	1173.3658612669	Ontime multiplied by DTCOR
l2events	67543	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	10.5.1.1	Processing system revision	ontime	1182.08131814	[s]
caldbver	4.7.2	 	l1events	100492	Number of level 1 events
date	2016-09-23T18:37:01	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

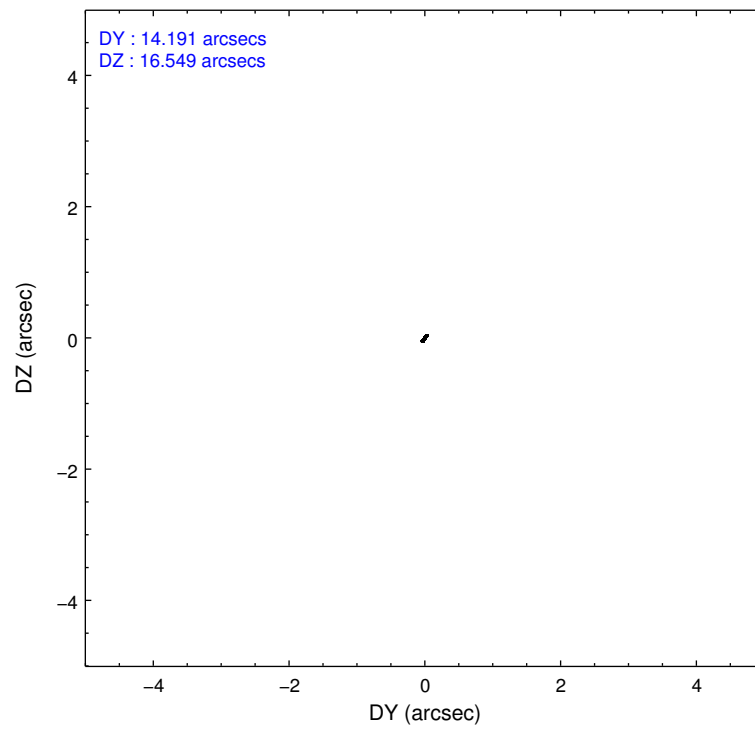
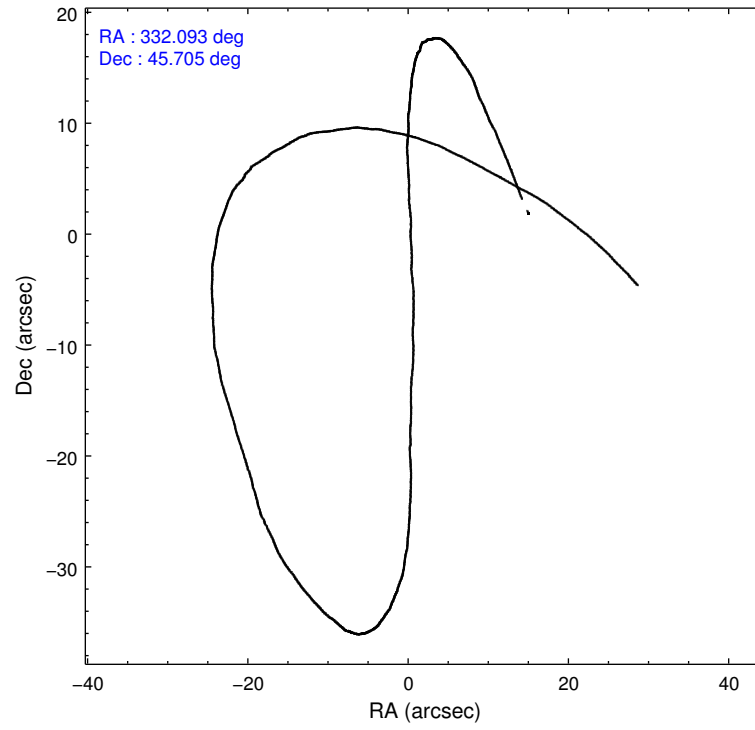
	segment 1	segment 2	segment 3
level 1 events	929	98678	885
rejected events	929	20602	885
rejected %	100%	20%	100%

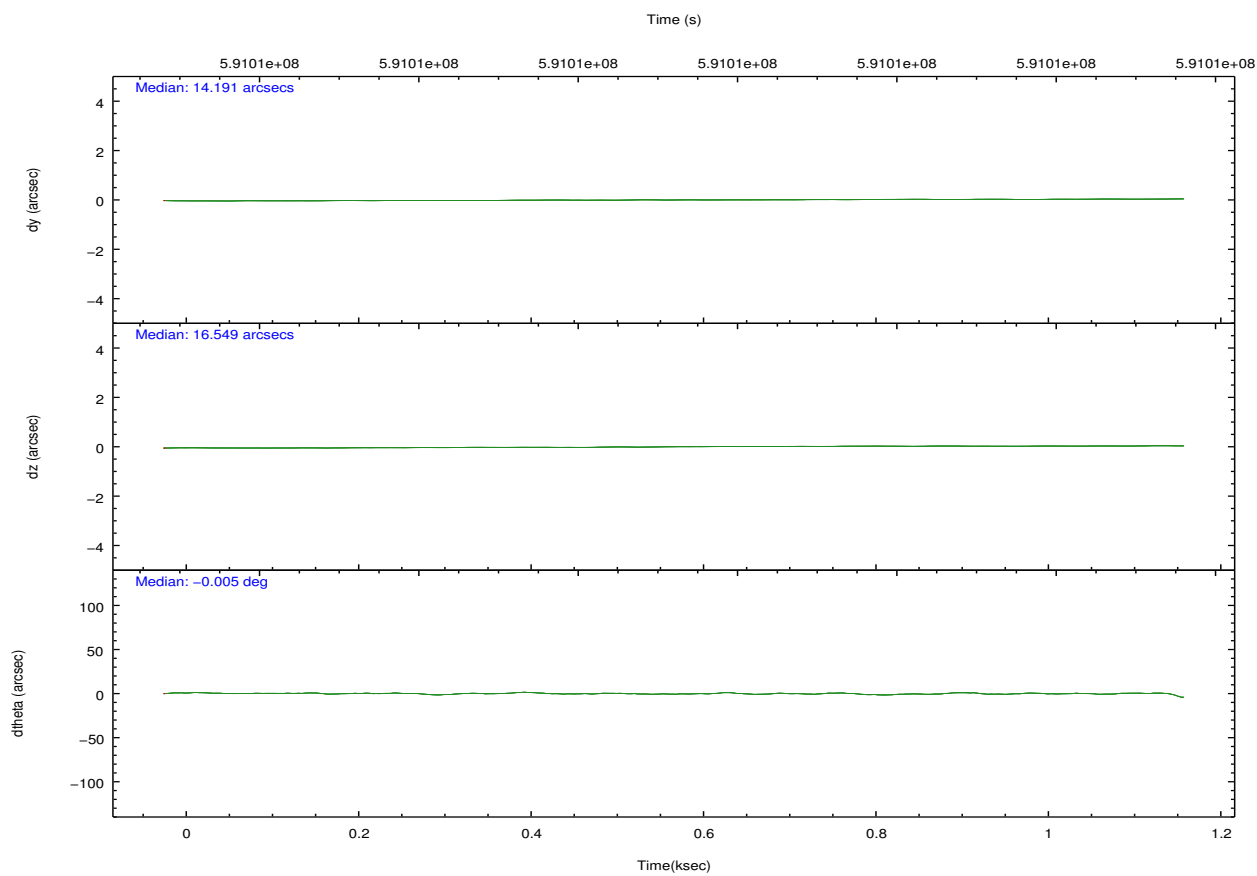
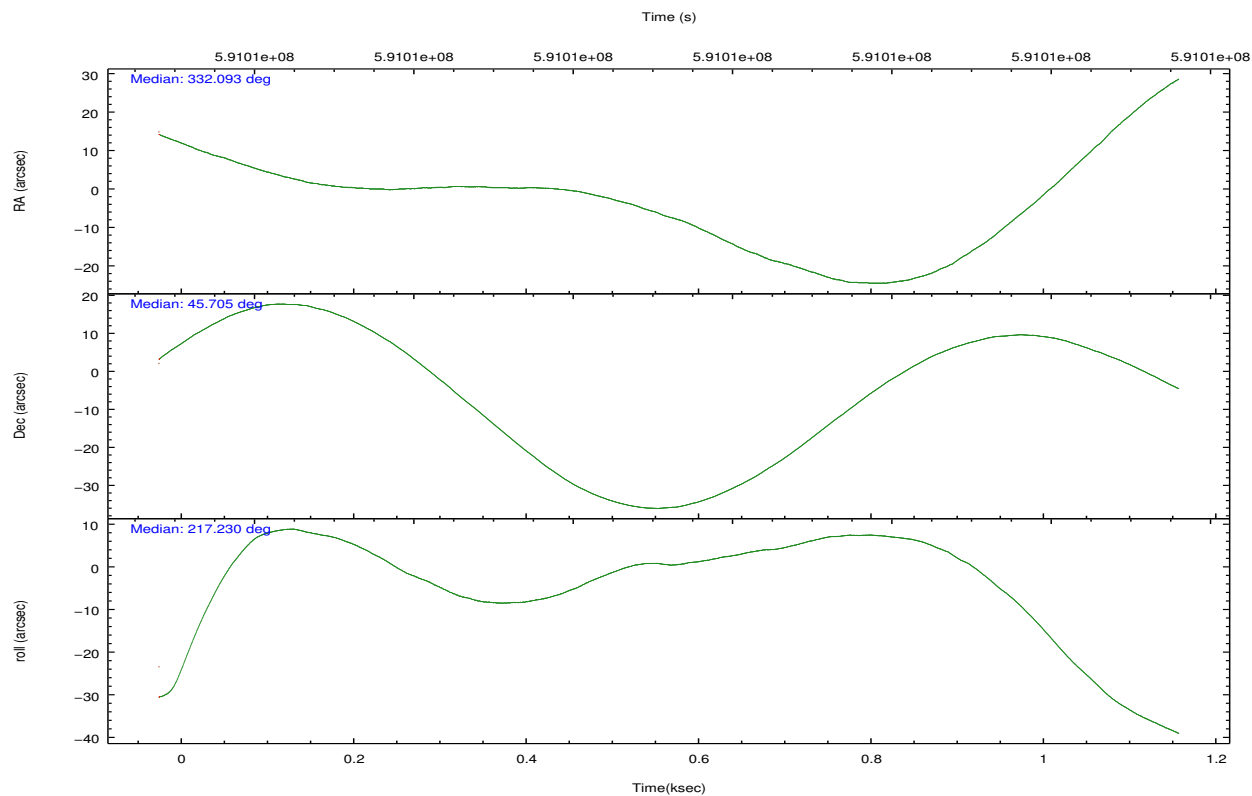
2.2 Compared Parameters

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	332.106965	332.0924646917862
[deg] Pointing Dec	45.729738	45.7036589128309
[deg] Pointing Roll	217.149069	217.2266247159168
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	591006302.184000	591005926.01643
Observation start date	2016-09-23T08:23:54	2016-09-23T08:18:46
[s] Observation end time (MET)	591007302.184000	591007436.35402
Observation end date	2016-09-23T08:40:34	2016-09-23T08:43:56

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

2.3 Aspect



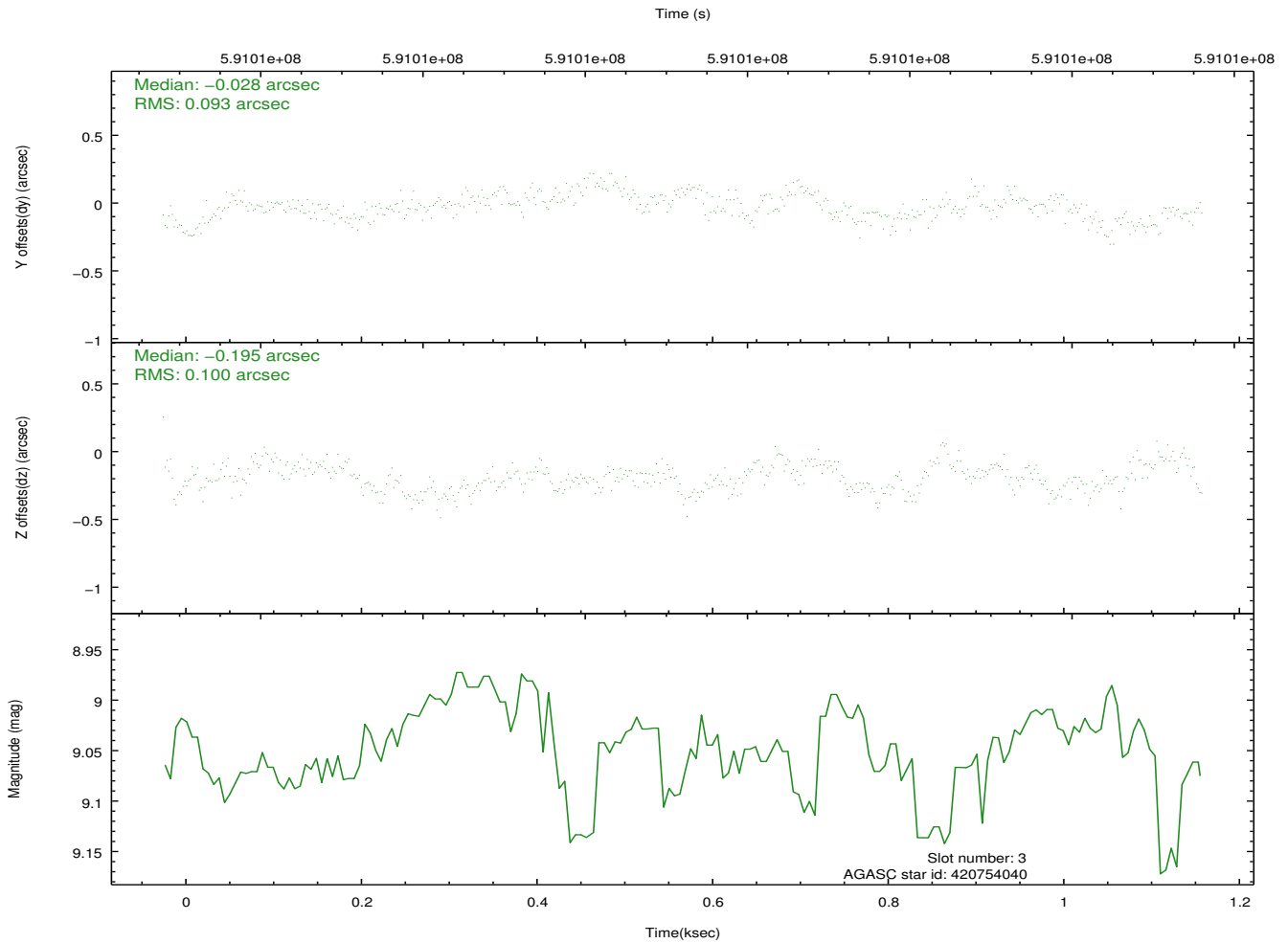
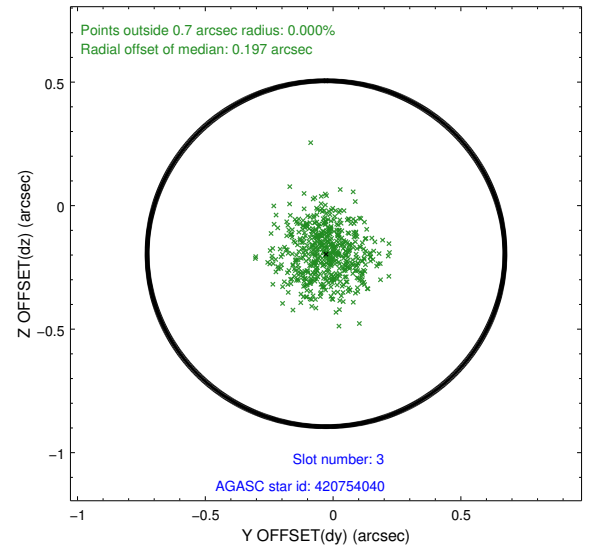
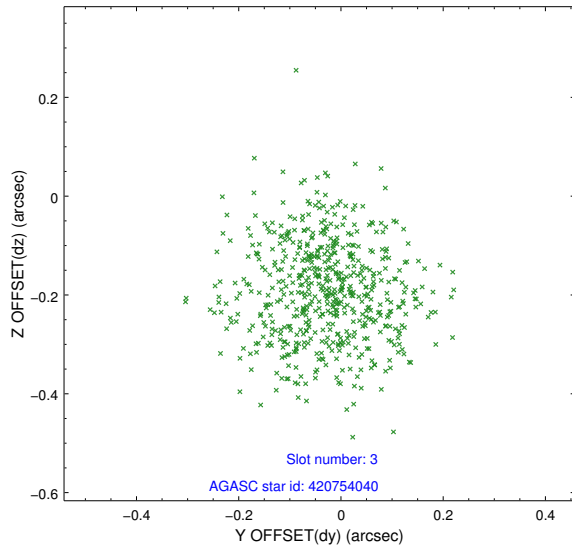


Slot Statistics

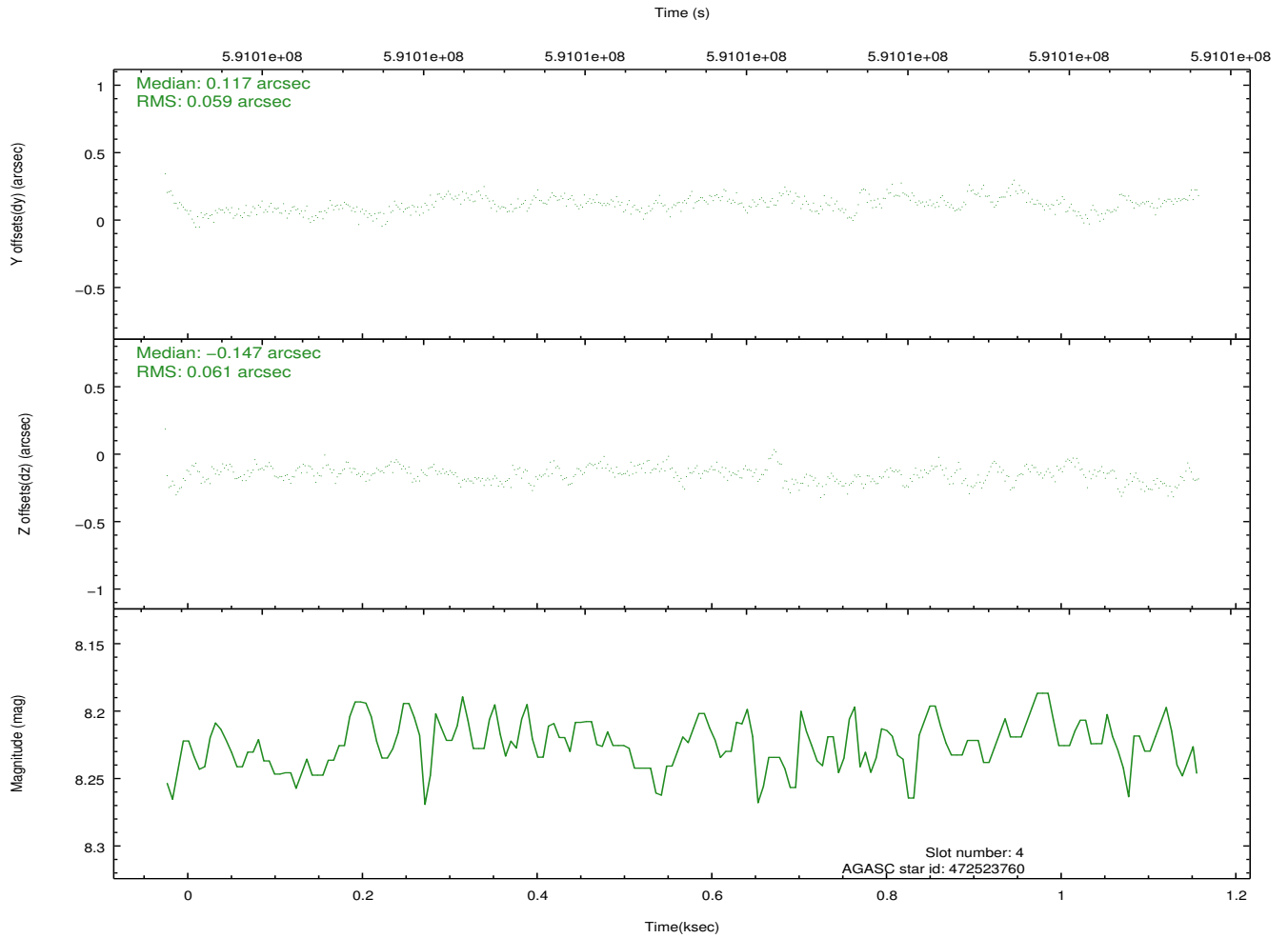
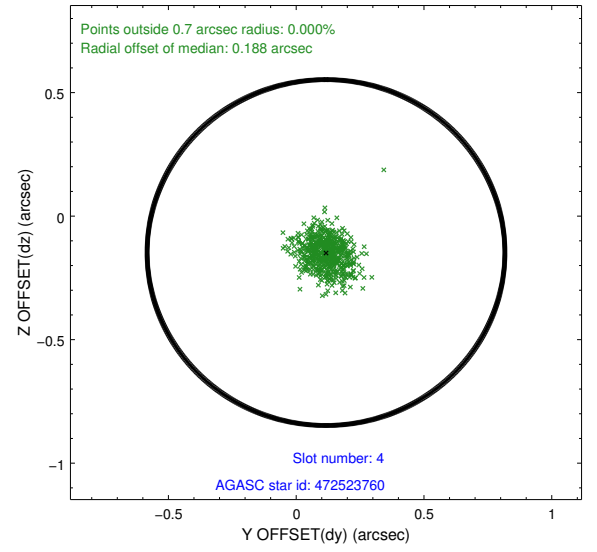
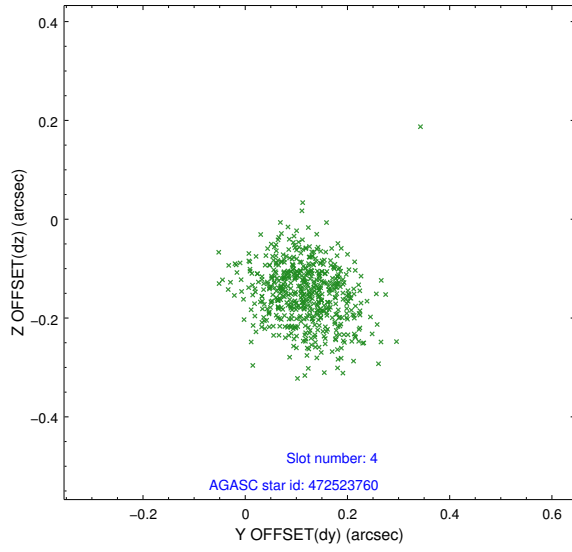
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.08	289	-0.029	-0.211	0.007	0.011	0.000000	0.000000	-1168.65	-465.47
1	FID		HRC-S-2	7.05	289	0.355	-0.128	0.004	0.008	0.000000	0.000000	1227.35	-459.57
2	FID		HRC-S-3	7.06	289	0.064	0.037	0.006	0.011	0.000000	0.000000	-1167.06	562.71
3	GUIDE	used	420754040	9.05	577	-0.028	-0.195	0.149	0.231	331.917939	44.882543	2225.83	2143.61
4	GUIDE	used	472523760	8.22	578	0.117	-0.147	0.088	0.148	331.645363	45.403260	1643.68	236.79
5	GUIDE	used	472525528	6.64	578	-0.376	0.057	0.097	0.155	331.551102	45.248694	2170.07	529.82
6	GUIDE	used	472533912	9.12	577	0.290	0.492	0.160	0.268	331.791136	46.368695	-758.94	-2303.33
7	GUIDE	used	472651904	6.13	577	0.010	-0.193	0.113	0.180	332.170077	45.742257	-152.99	58.20

2.4 Star Slots

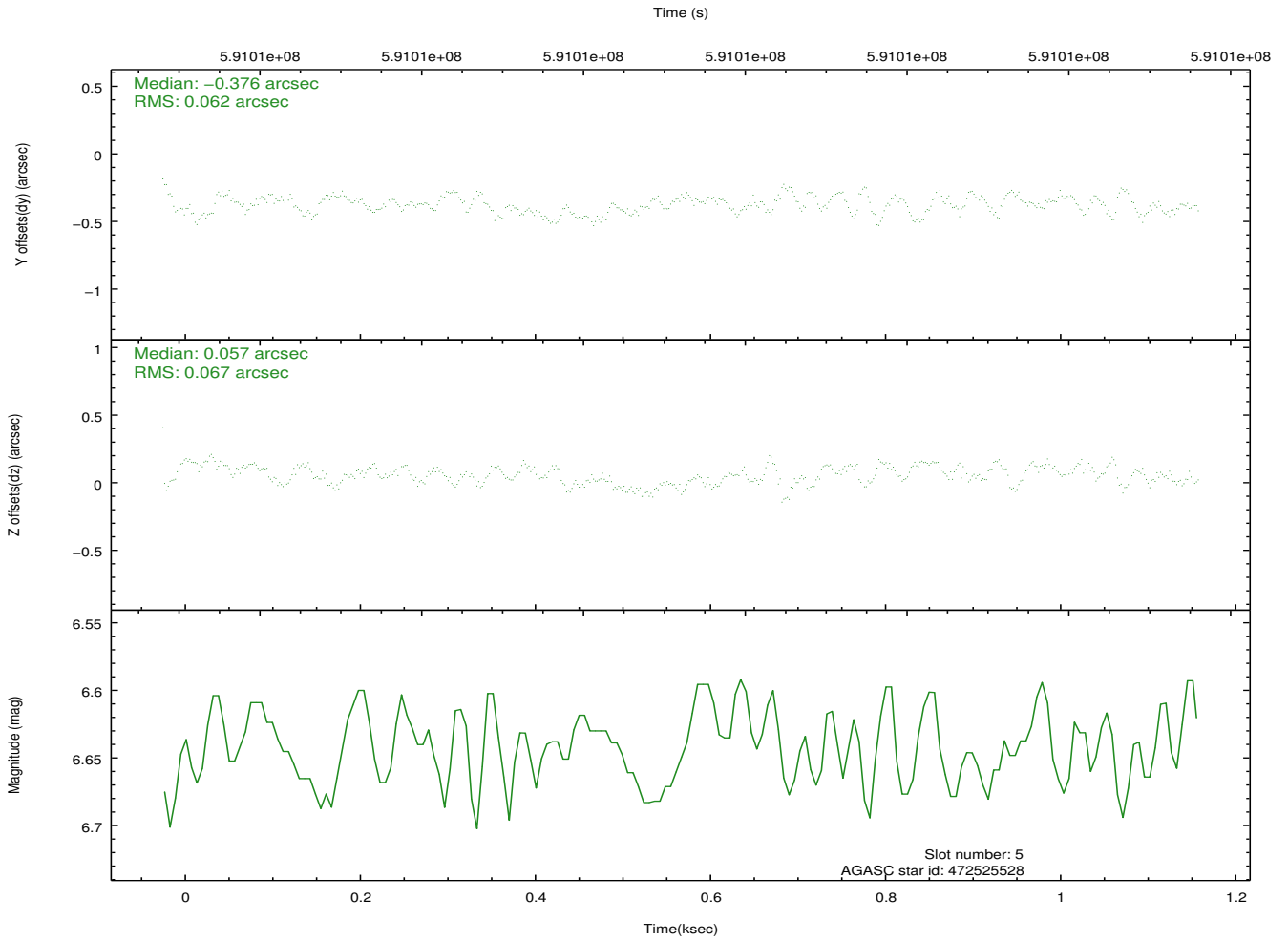
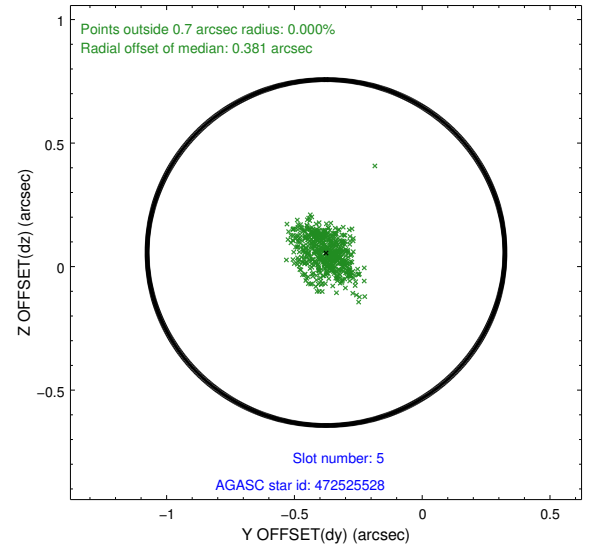
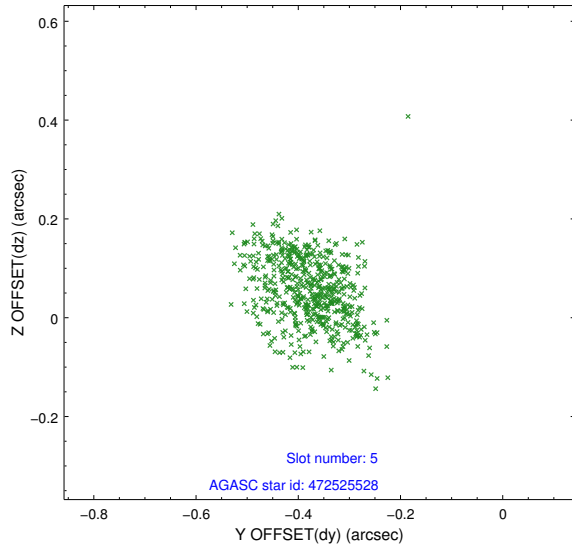
2.4.1 Slot 3



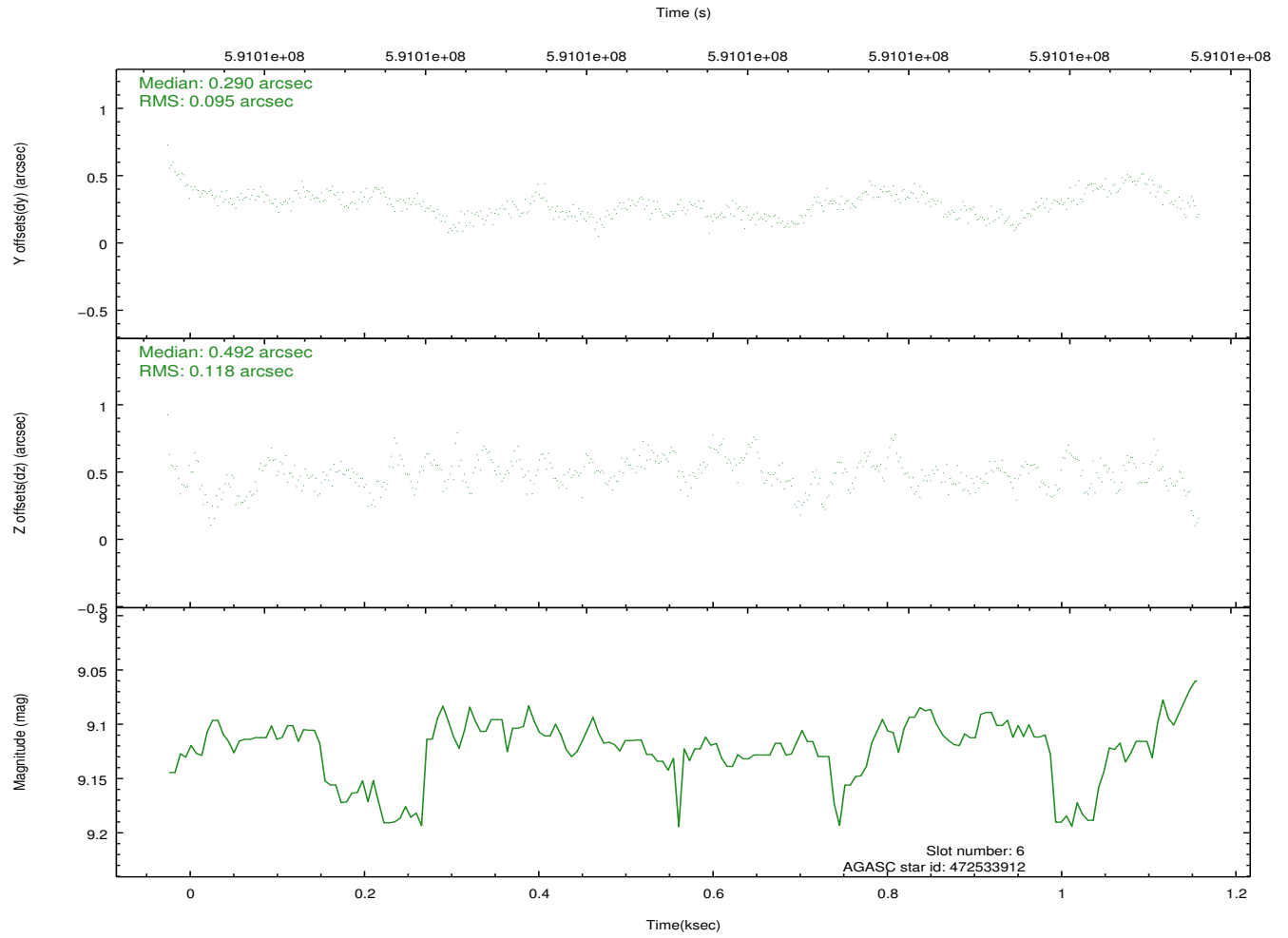
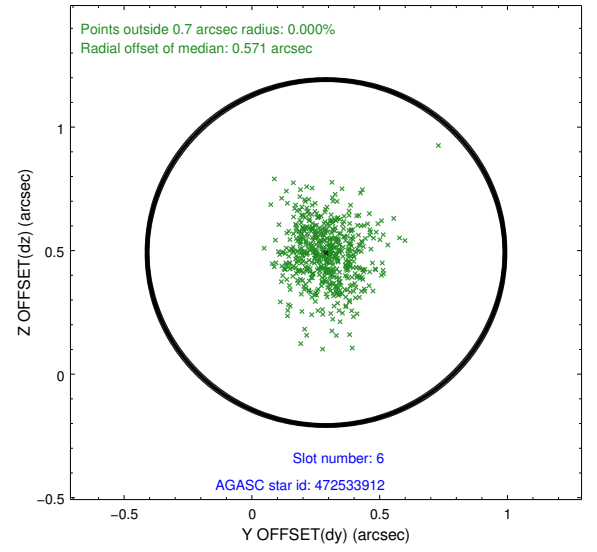
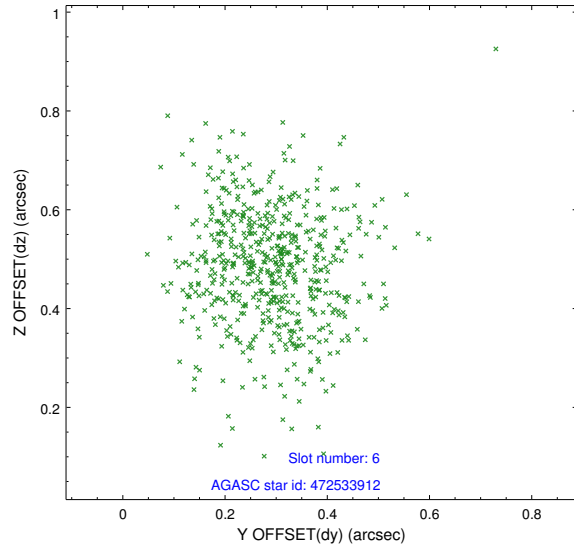
2.4.2 Slot 4



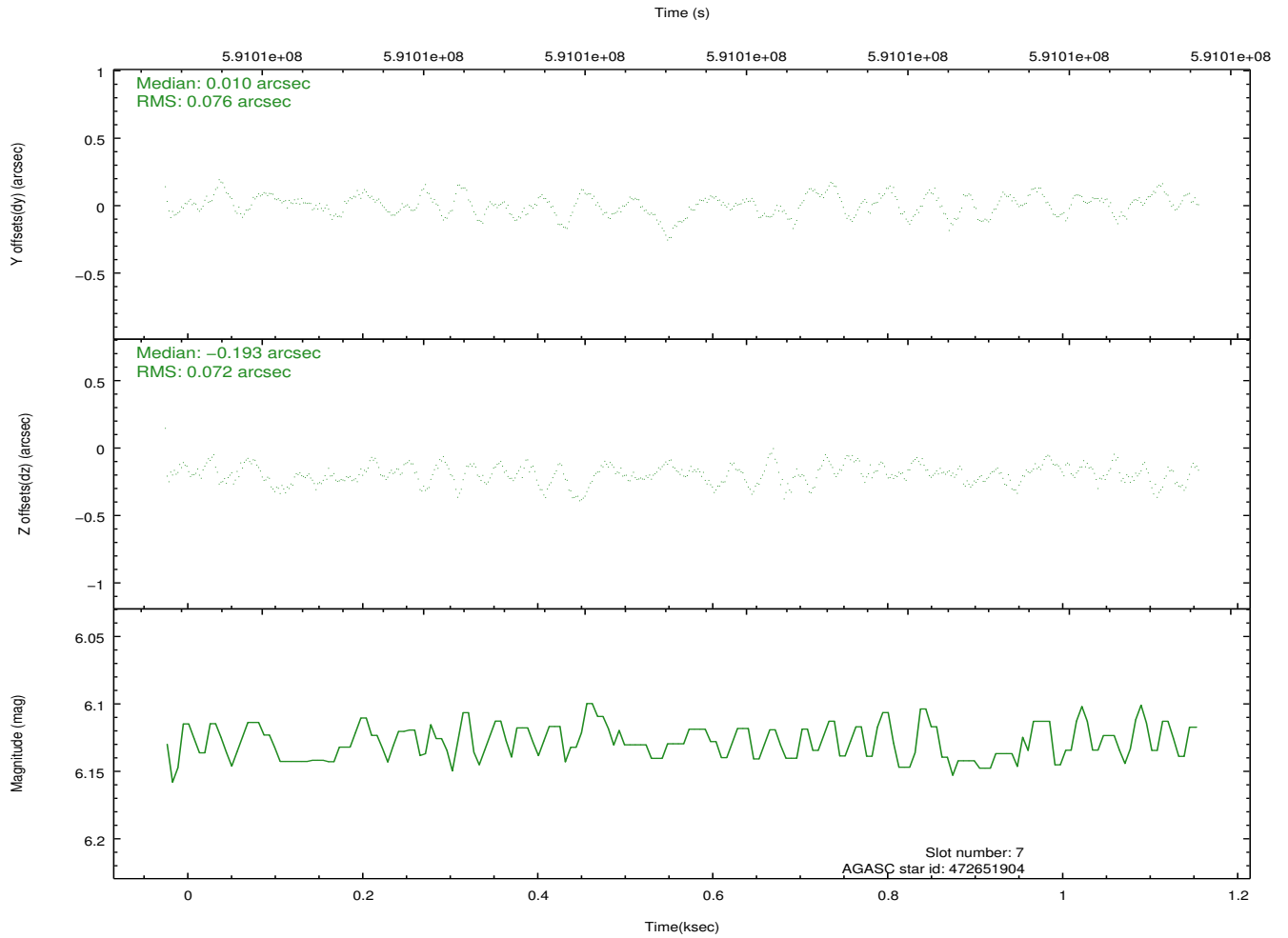
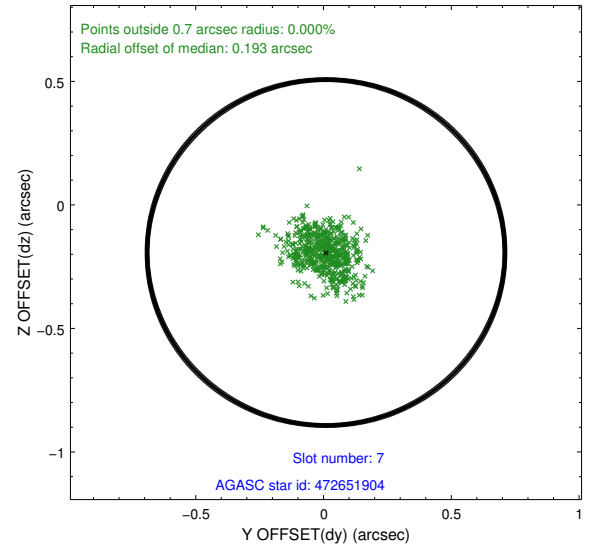
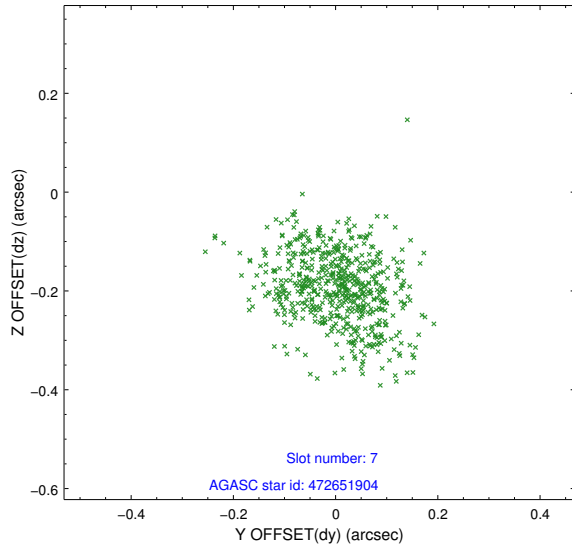
2.4.3 Slot 5



2.4.4 Slot 6

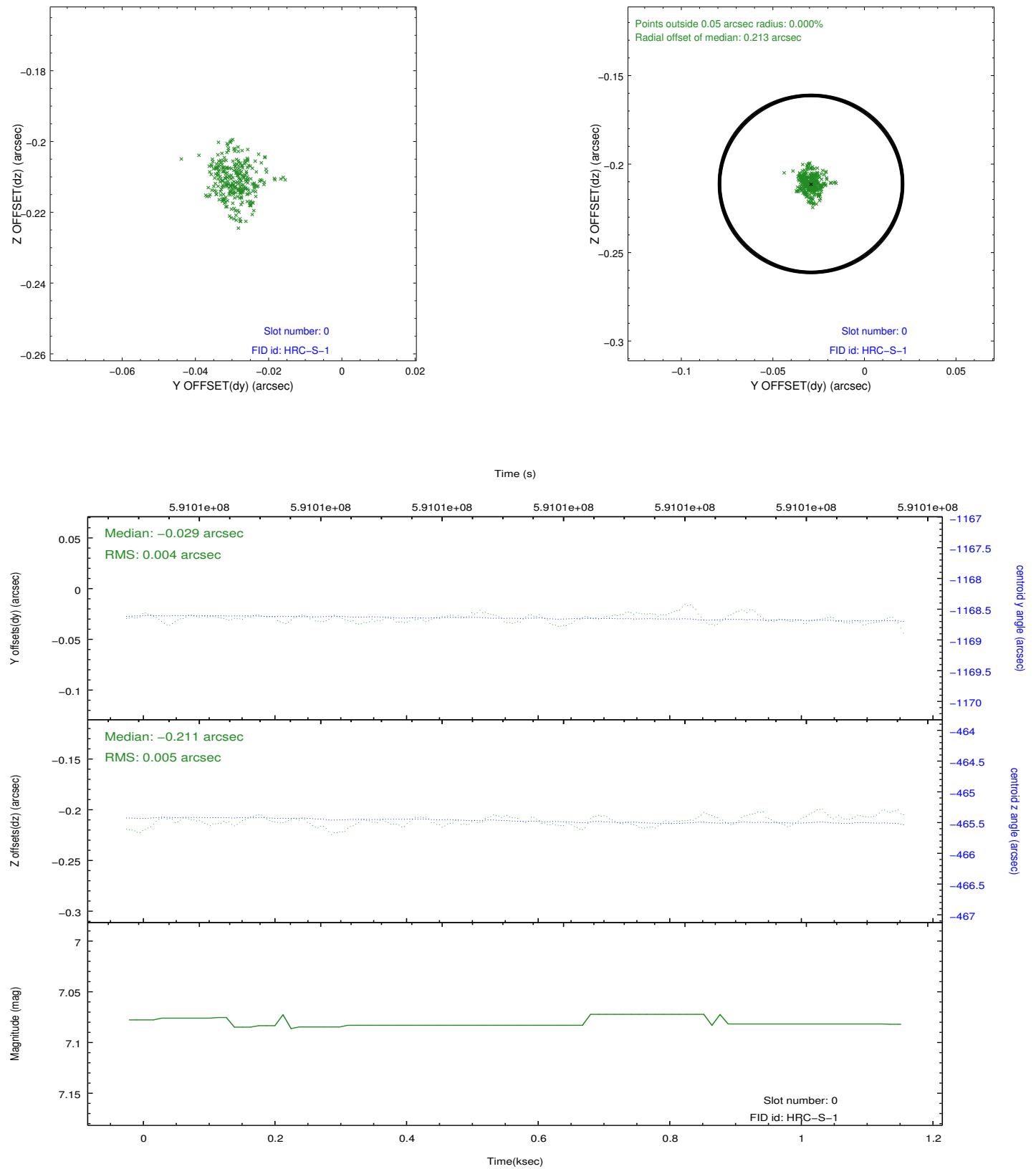


2.4.5 Slot 7

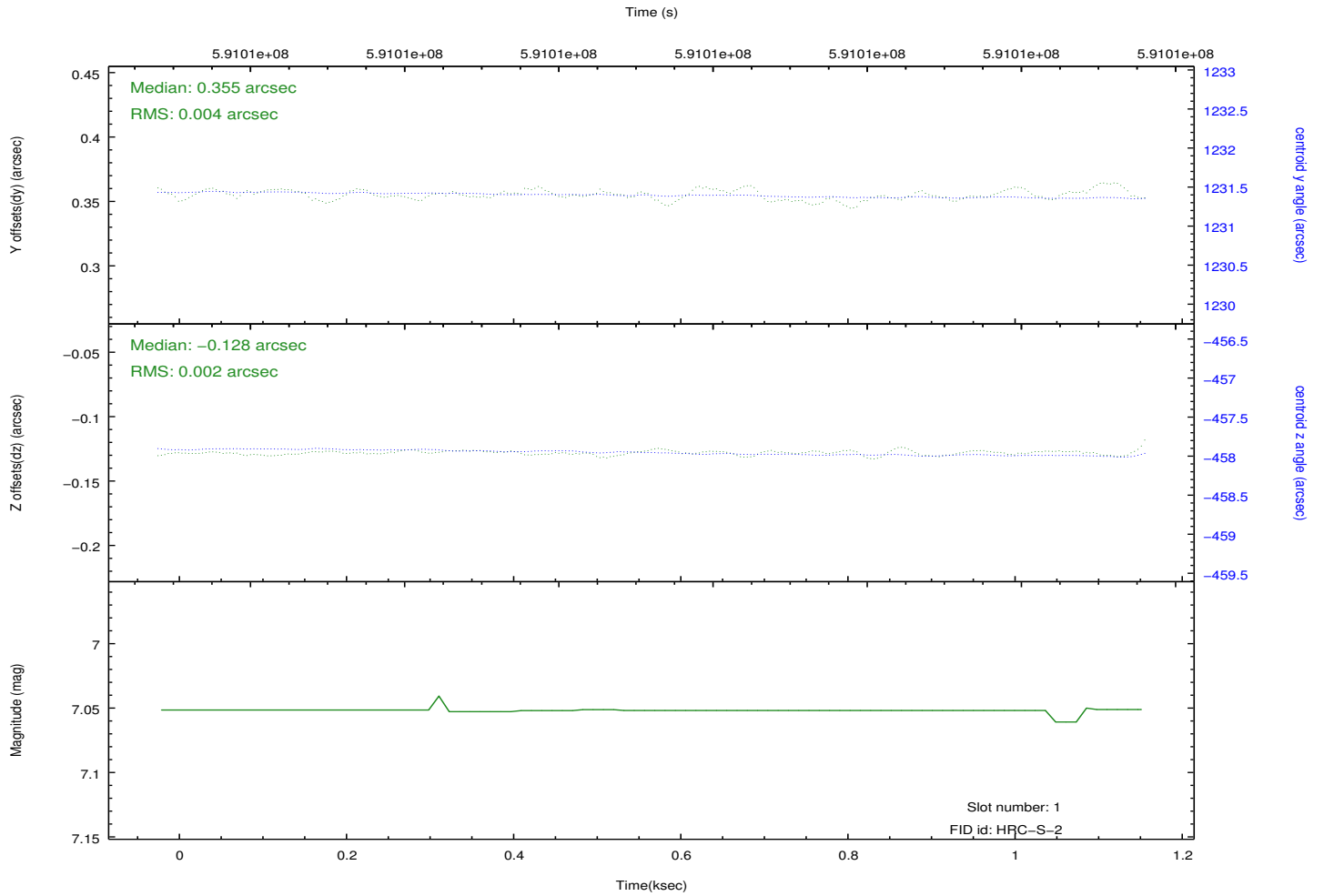
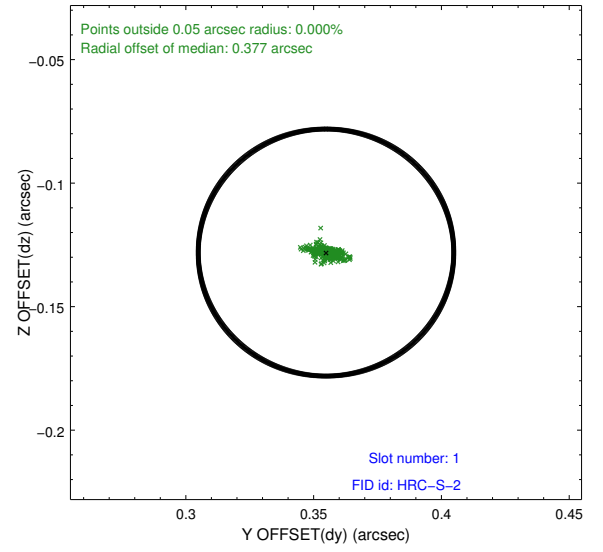
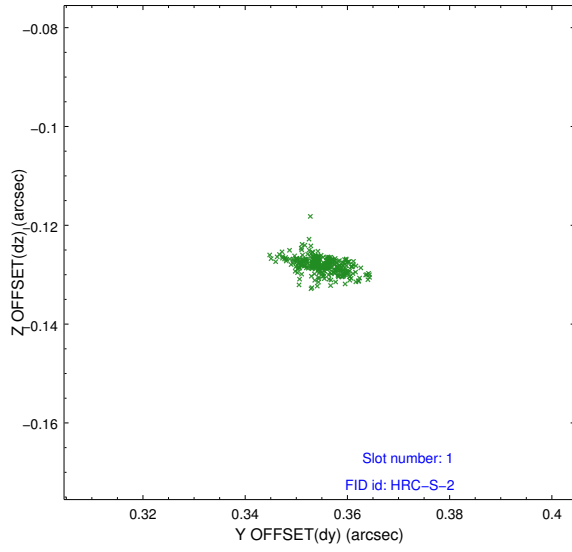


2.5 FID Slots

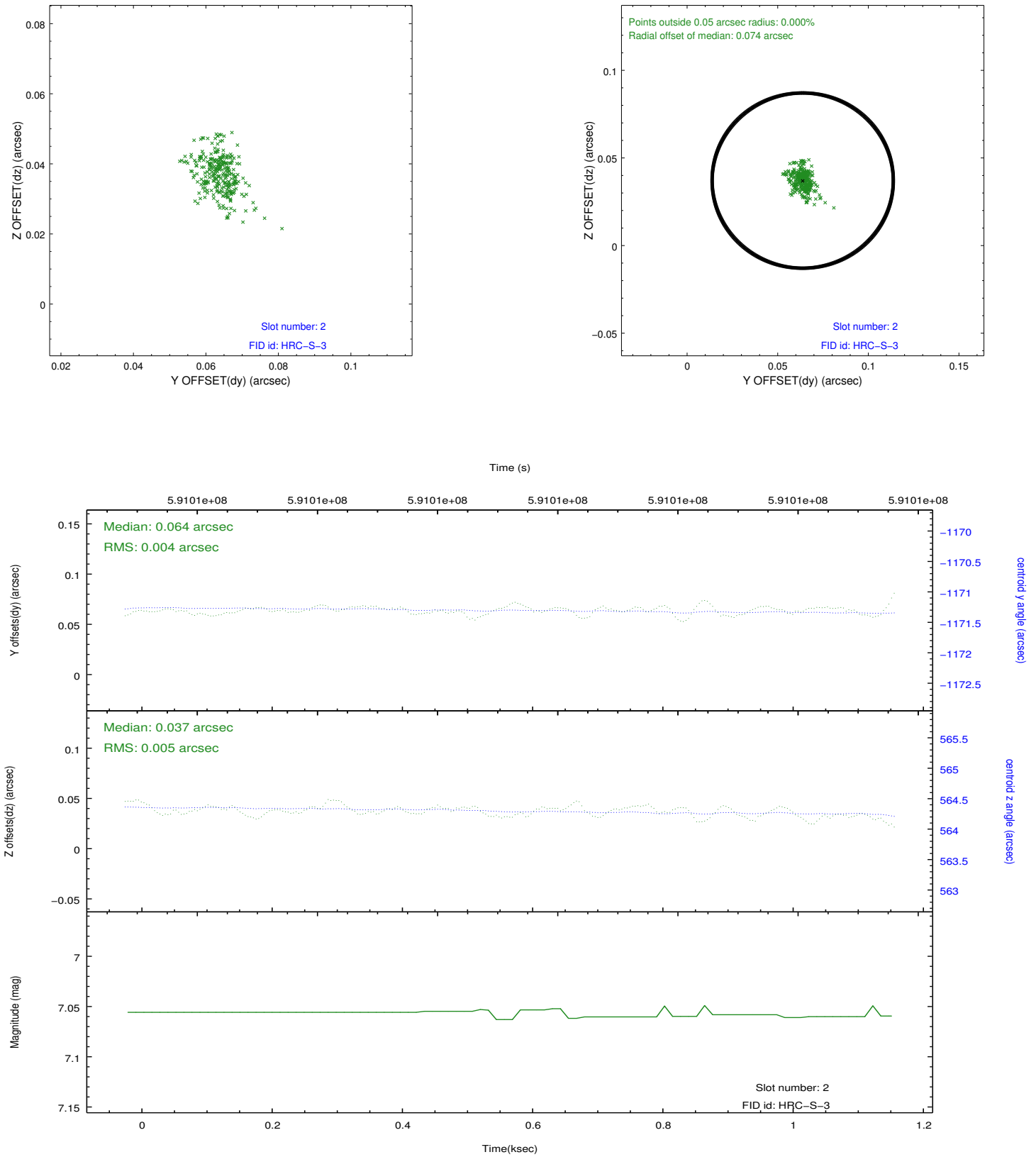
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.18208131814

A.2 Comments