

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16400 - L2 Version 1
Chandra X-Ray Center

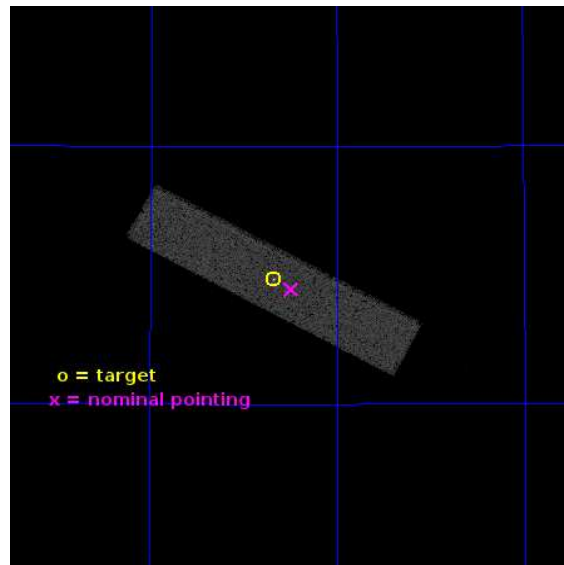
L2 Processing Date : Sep 16 2014

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1 Front

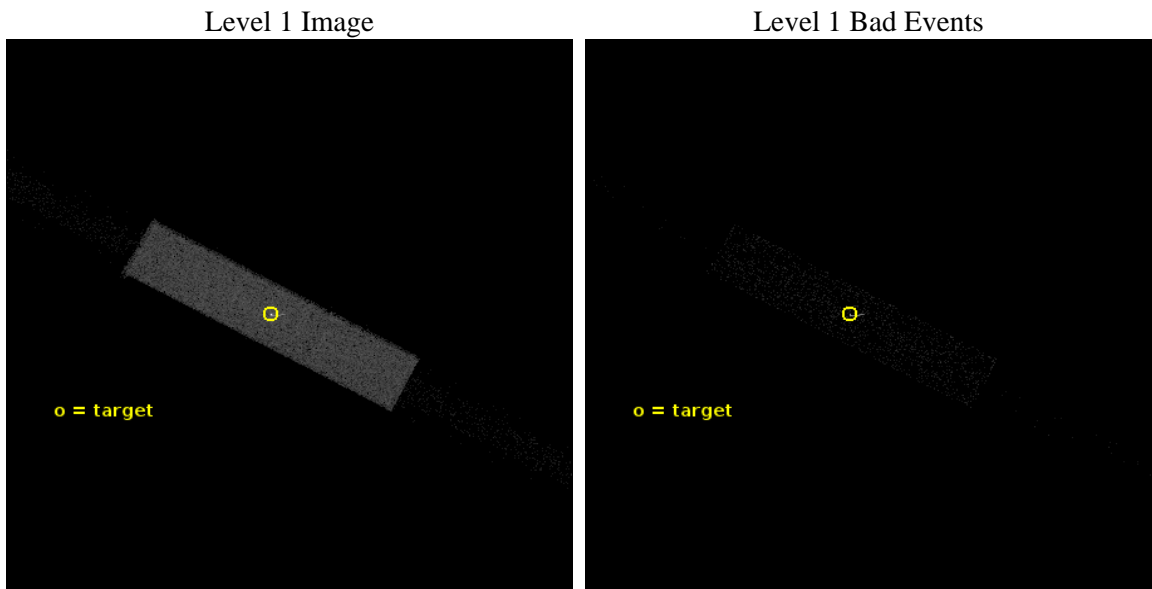
seq_num	291172	Sequence number
obs_id	16400	Observation id
title	AO-15 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.12190911625	Nominal RA [deg]
dec_nom	45.723093446012	Nominal Dec [deg]
roll_nom	208.17085204204	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1153.3813139796	[s]
livetime	1146.464421949	Ontime multiplied by DTCOR
l2events	50746	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	10.2.4	Processing system revision	ontime	1153.3813139796	[s]
caldsver	4.6.3	 	l1events	79166	Number of level 1 events
date	2014-09-17T03:24:00	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

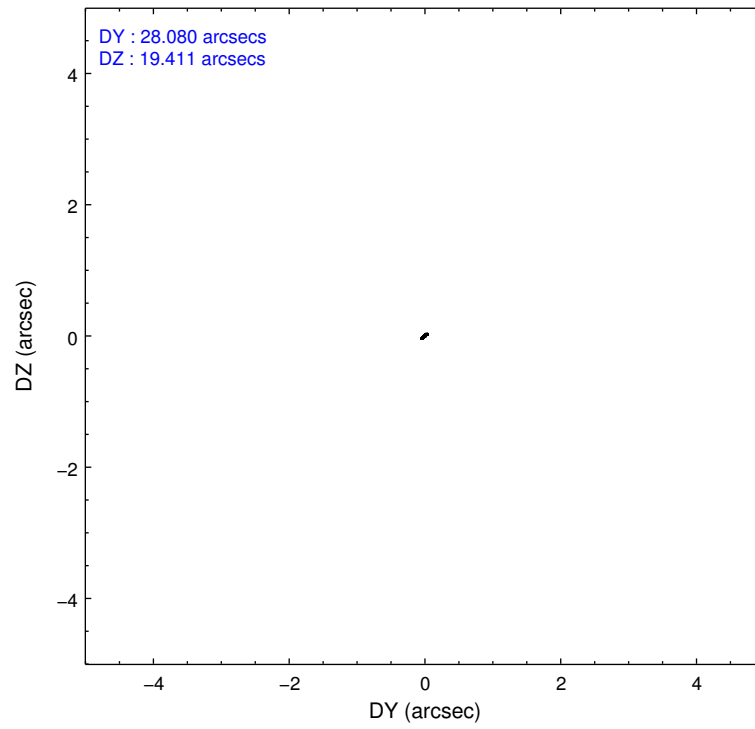
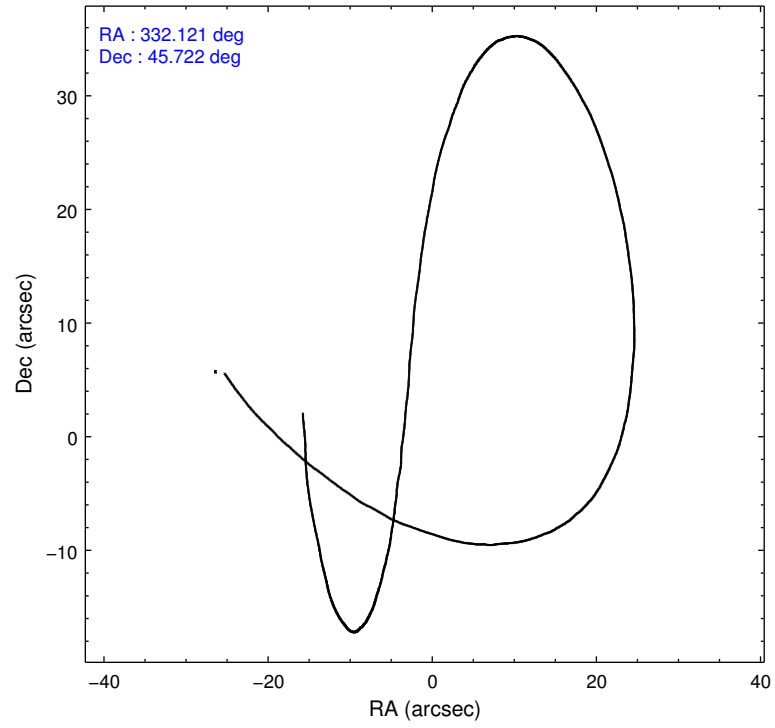
	segment 1	segment 2	segment 3
level 1 events	707	77748	711
rejected events	707	17656	694
rejected %	100%	22%	97%

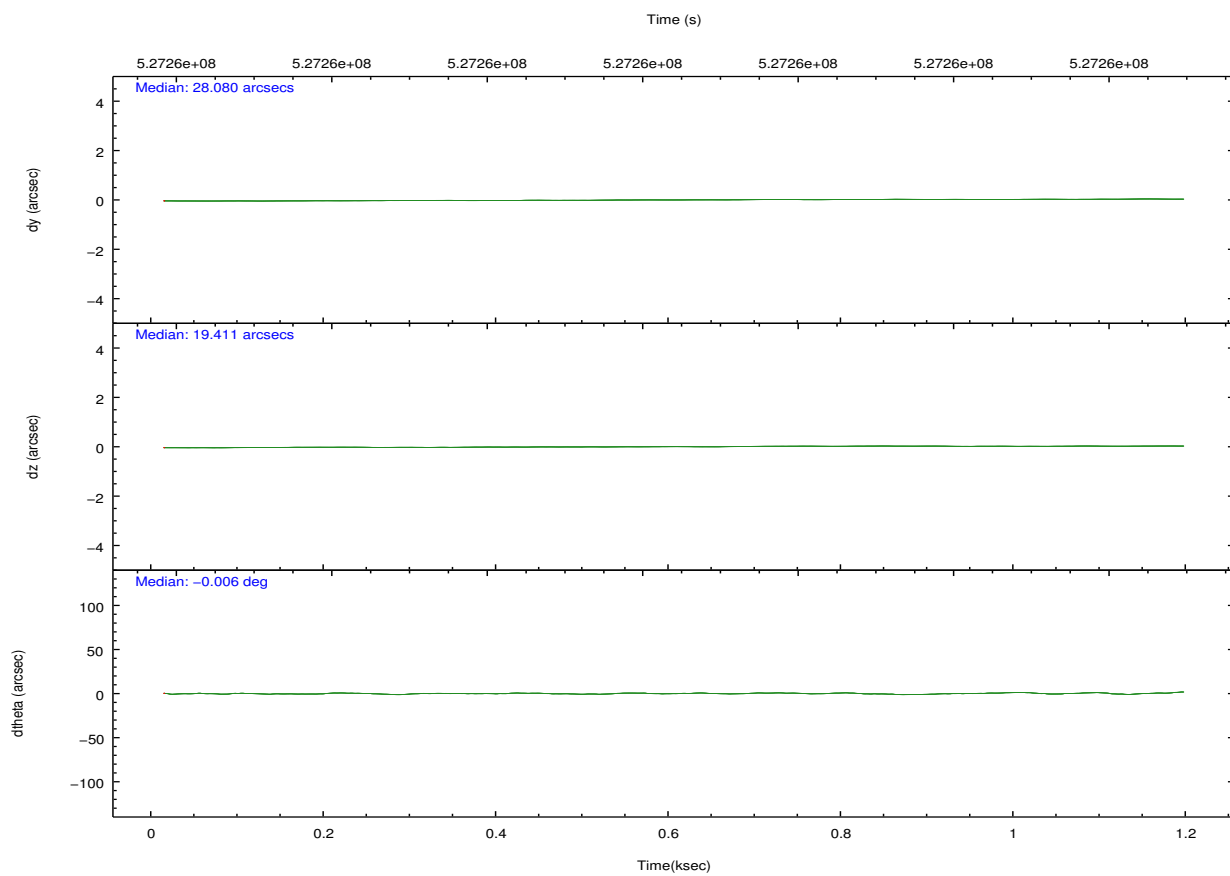
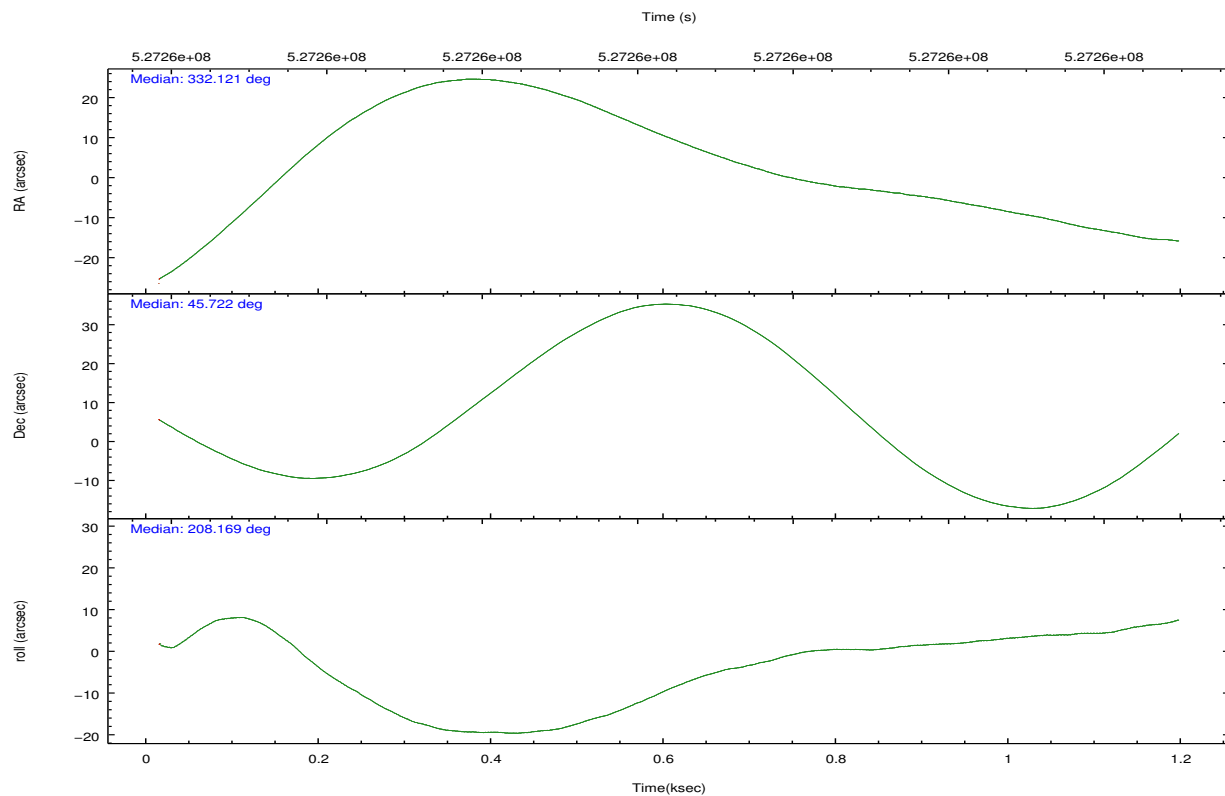
2.2 Compared Parameters

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	332.141735	332.12190911625
[deg] Pointing Dec	45.749542	45.72309344601182
[deg] Pointing Roll	208.089526	208.1708520420371
[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)	527261448.184000	527261072.26527
Observation start date	2014-09-16T13:29:41	2014-09-16T13:24:32
[s] Observation end time (MET)	527262448.184000	527262581.57785
Observation end date	2014-09-16T13:46:21	2014-09-16T13:49:41

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

2.3 Aspect



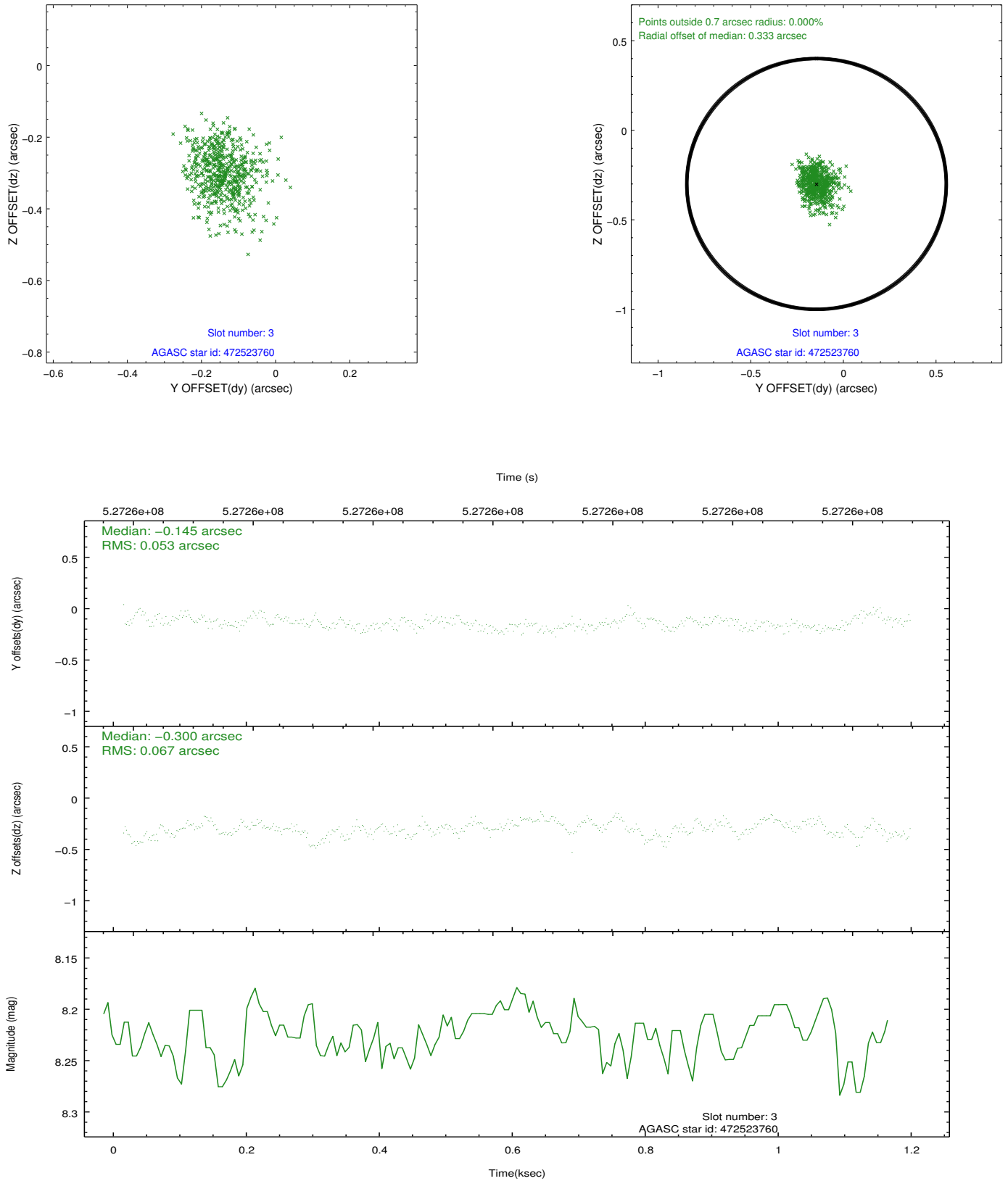


Slot Statistics

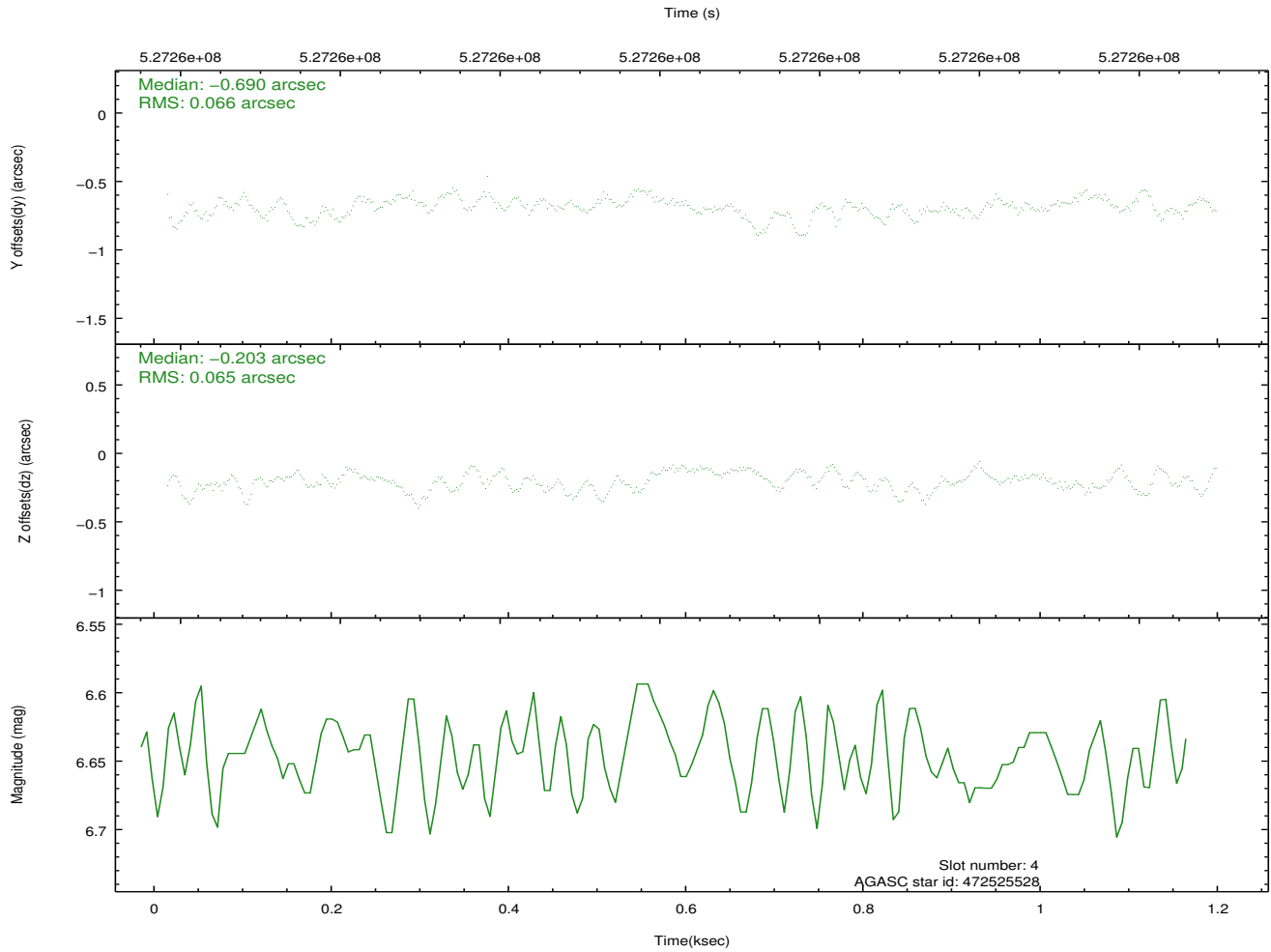
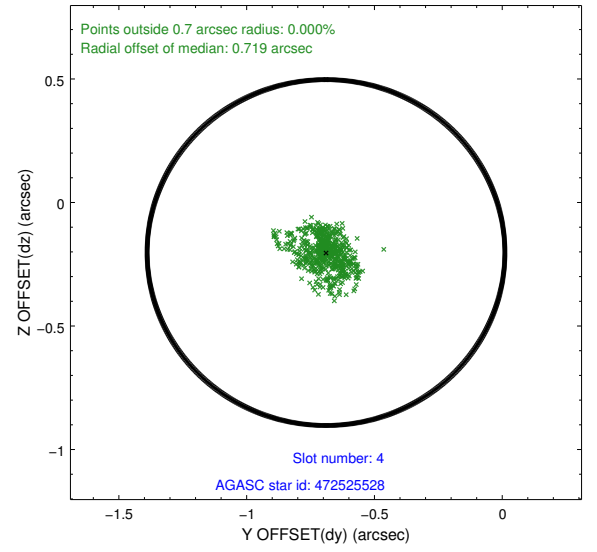
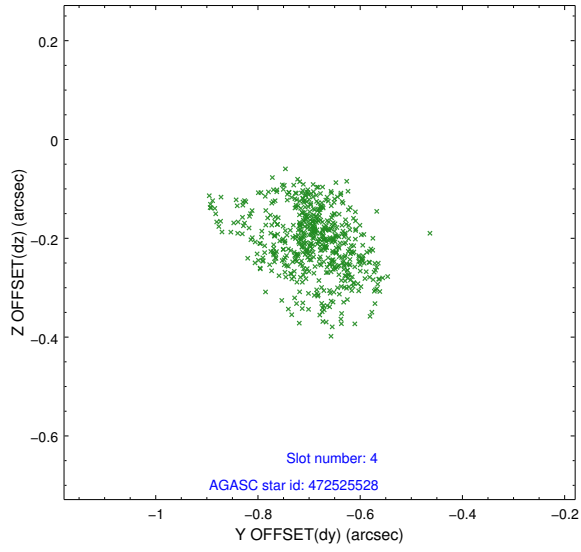
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.07	289	0.012	-0.205	0.007	0.012	0.000000	0.000000	-1182.86	-468.54
1	FID	HRC-S-2	7.03	289	0.336	-0.138	0.004	0.007	0.000000	0.000000	1213.03	-462.61
2	FID	HRC-S-3	7.07	289	0.042	0.040	0.007	0.011	0.000000	0.000000	-1181.41	559.62
3	GUIDE	472523760	8.22	578	-0.145	-0.300	0.090	0.153	331.645363	45.403260	1690.91	501.60
4	GUIDE	472525528	6.65	578	-0.690	-0.203	0.100	0.162	331.551102	45.248694	2168.13	877.96
5	GUIDE	472533912	9.16	578	0.348	0.307	0.135	0.230	331.791136	46.368695	-278.92	-2380.18
6	GUIDE	472655152	9.40	575	0.135	-0.201	0.192	0.334	332.504239	45.862991	-996.53	57.68
7	GUIDE	472665256	8.99	577	0.349	0.396	0.105	0.165	332.808125	46.195041	-2225.83	-642.61

2.4 Star Slots

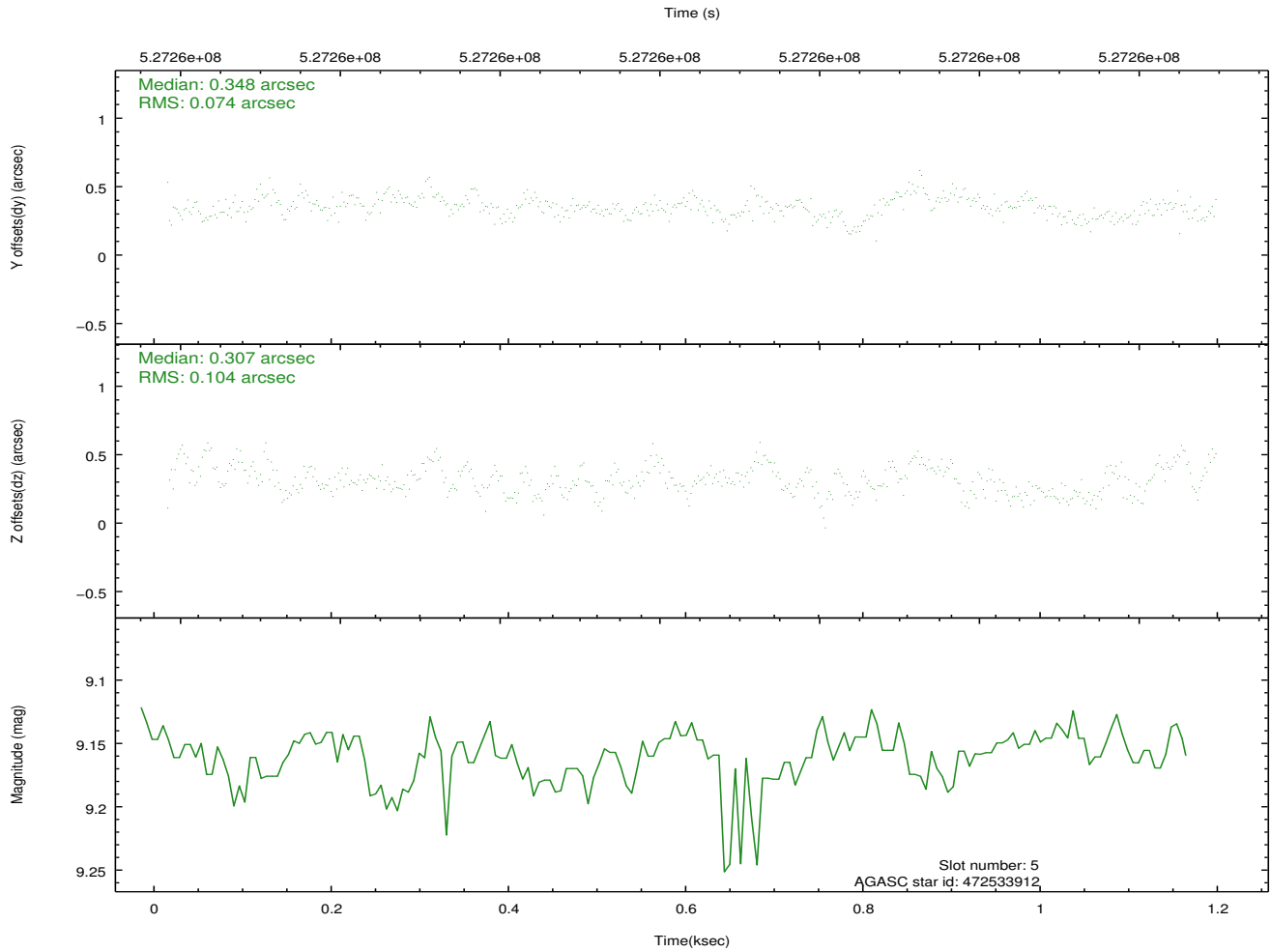
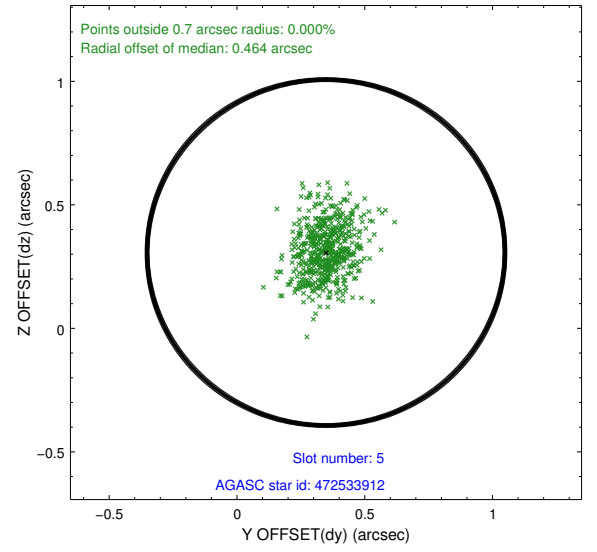
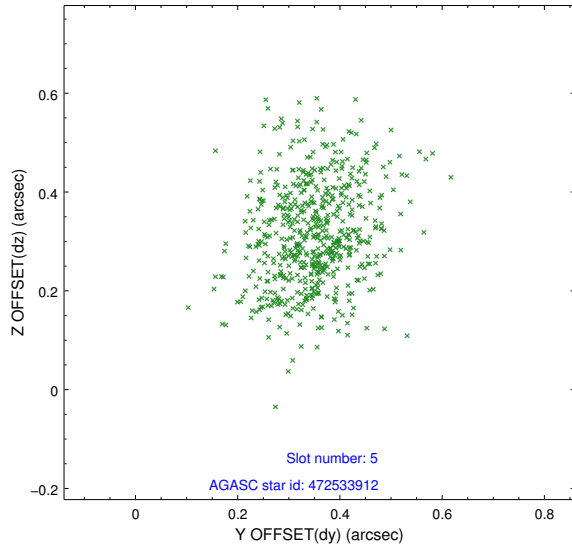
2.4.1 Slot 3



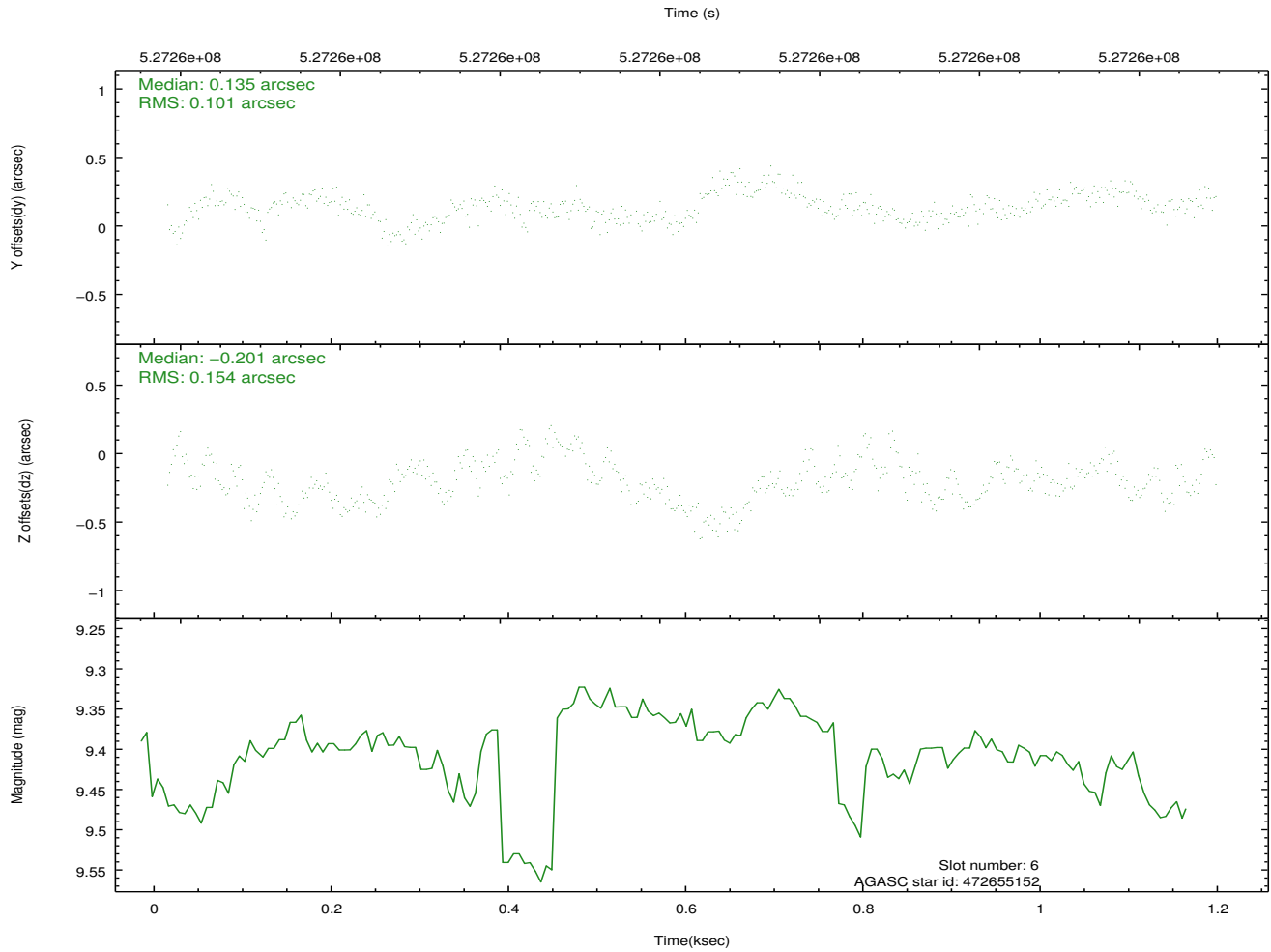
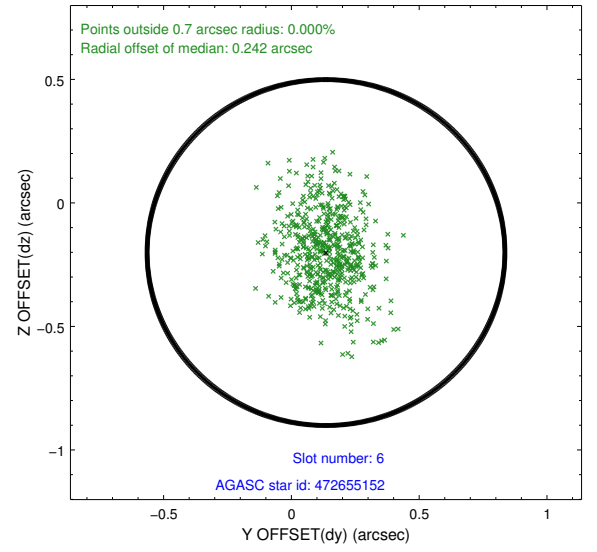
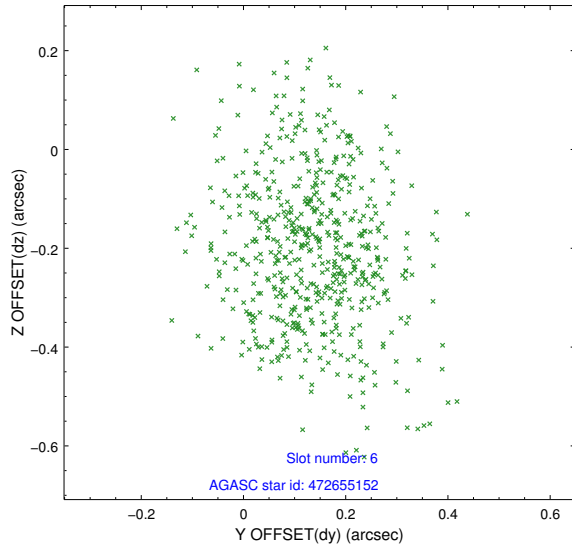
2.4.2 Slot 4



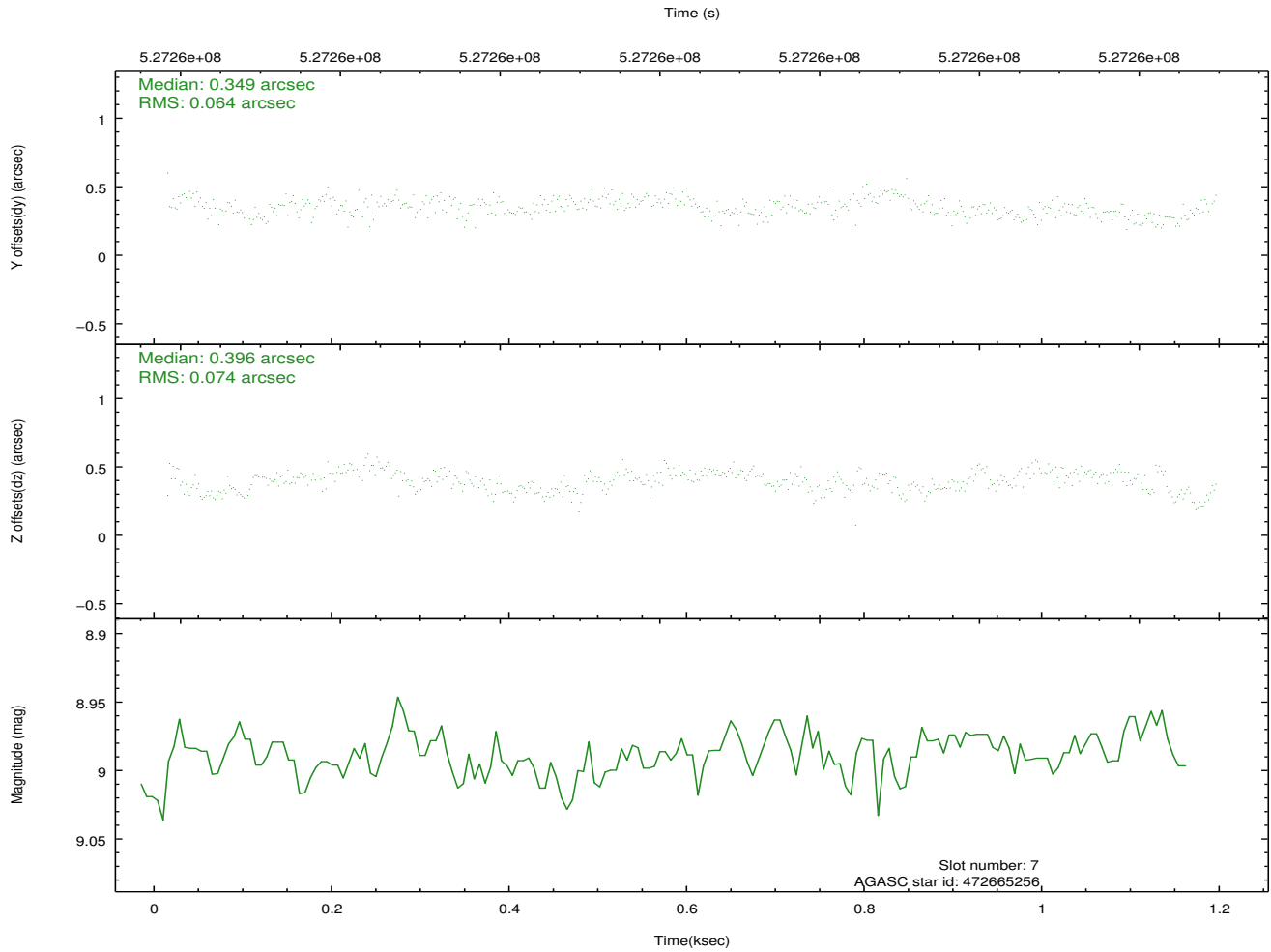
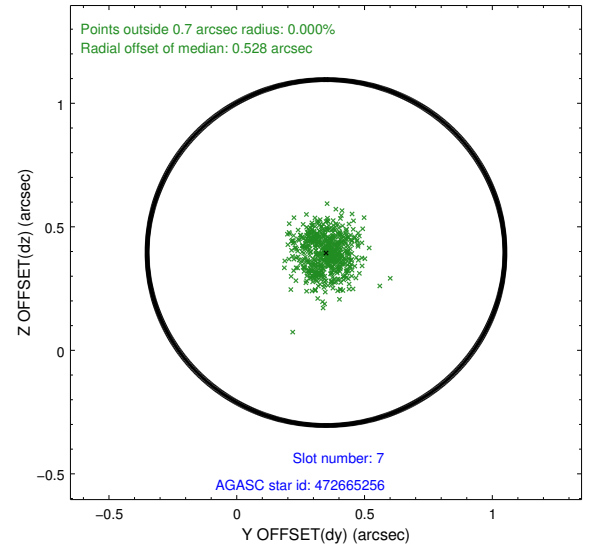
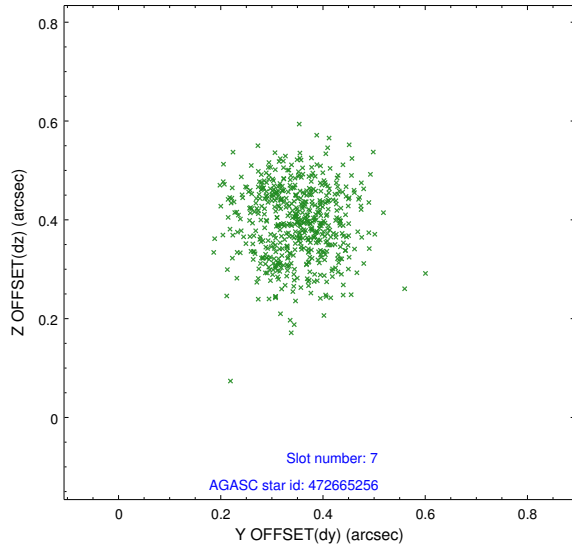
2.4.3 Slot 5



2.4.4 Slot 6

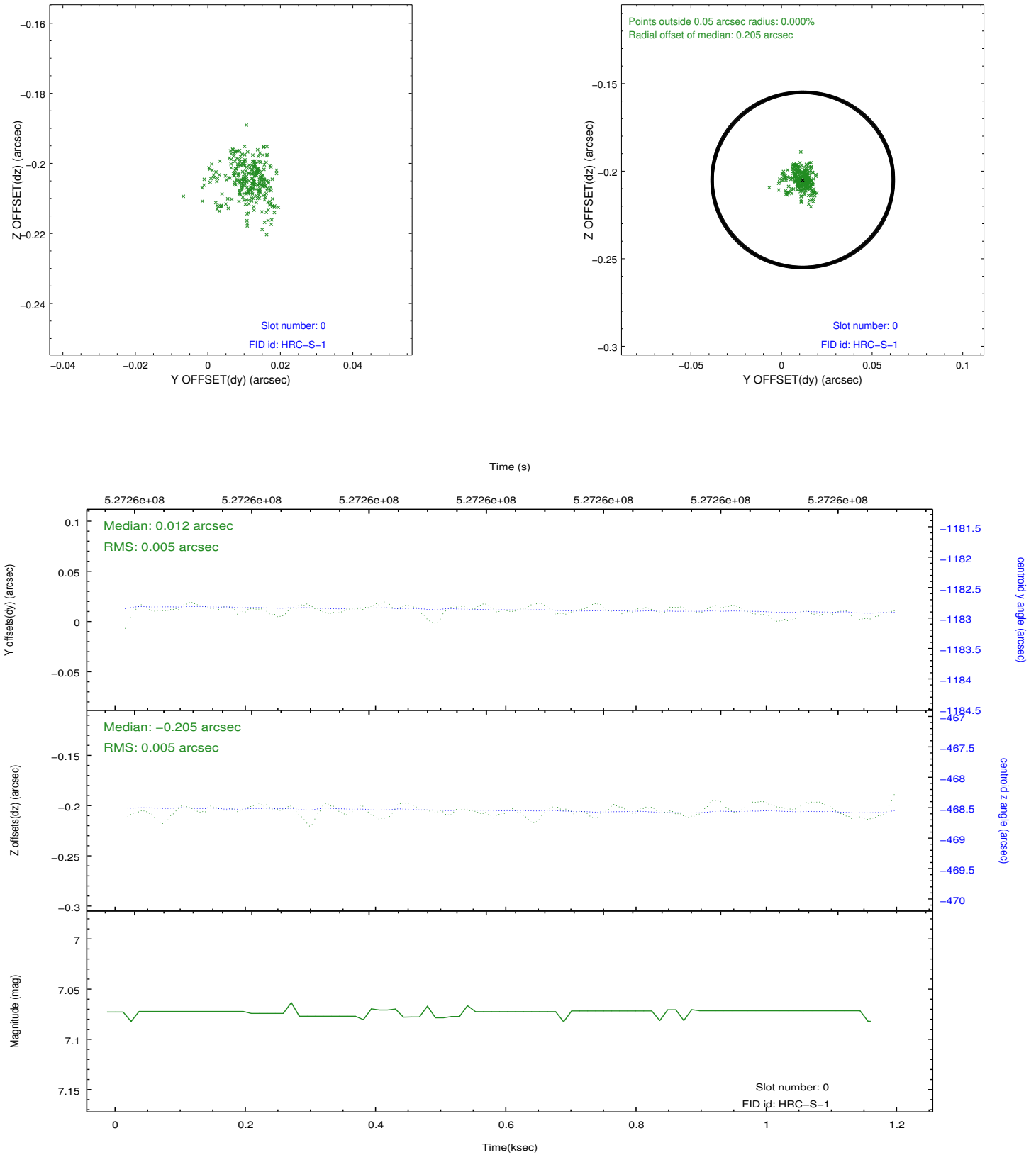


2.4.5 Slot 7

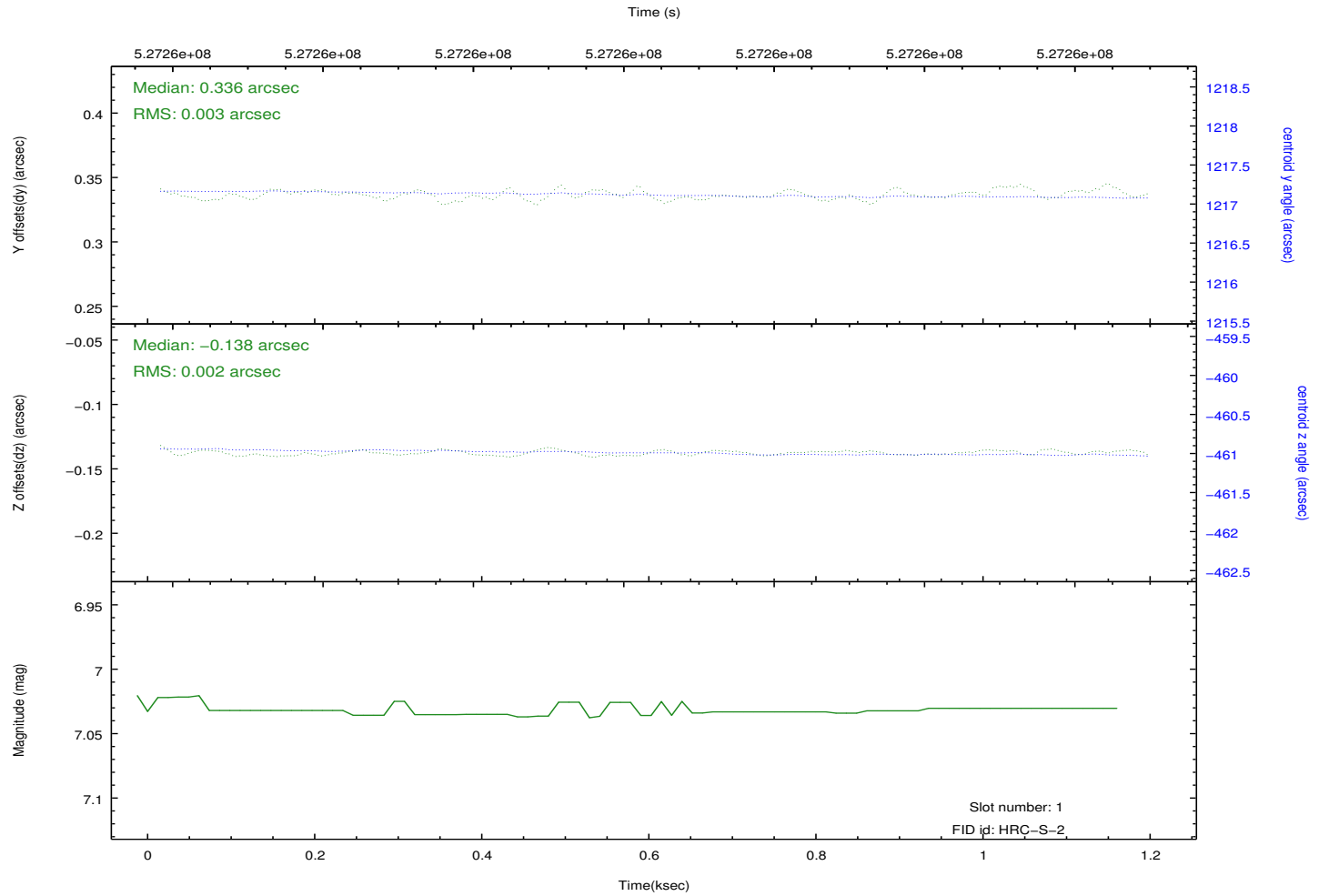
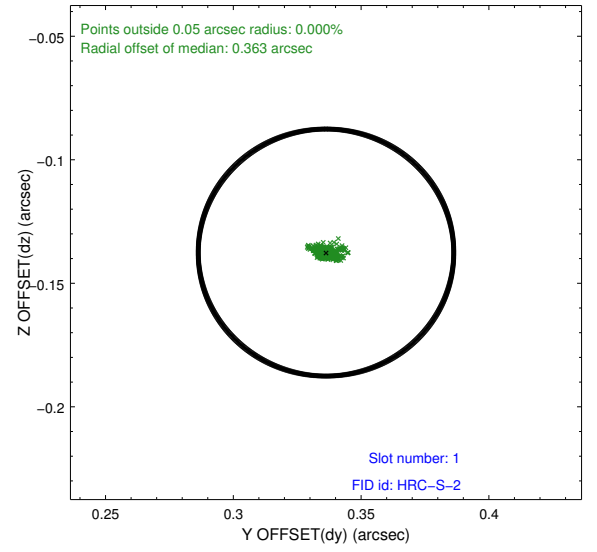
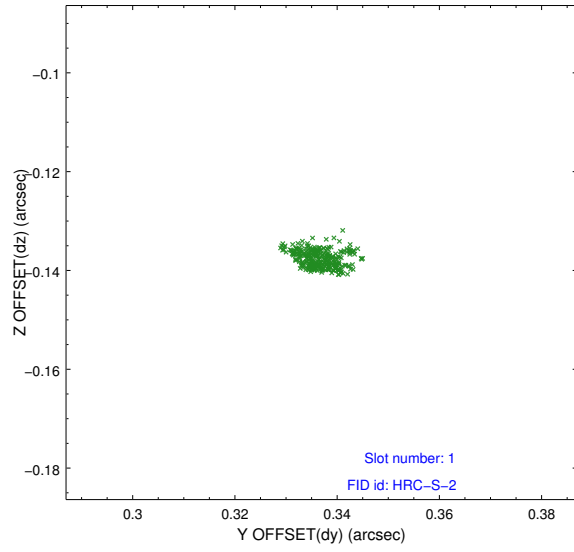


2.5 FID Slots

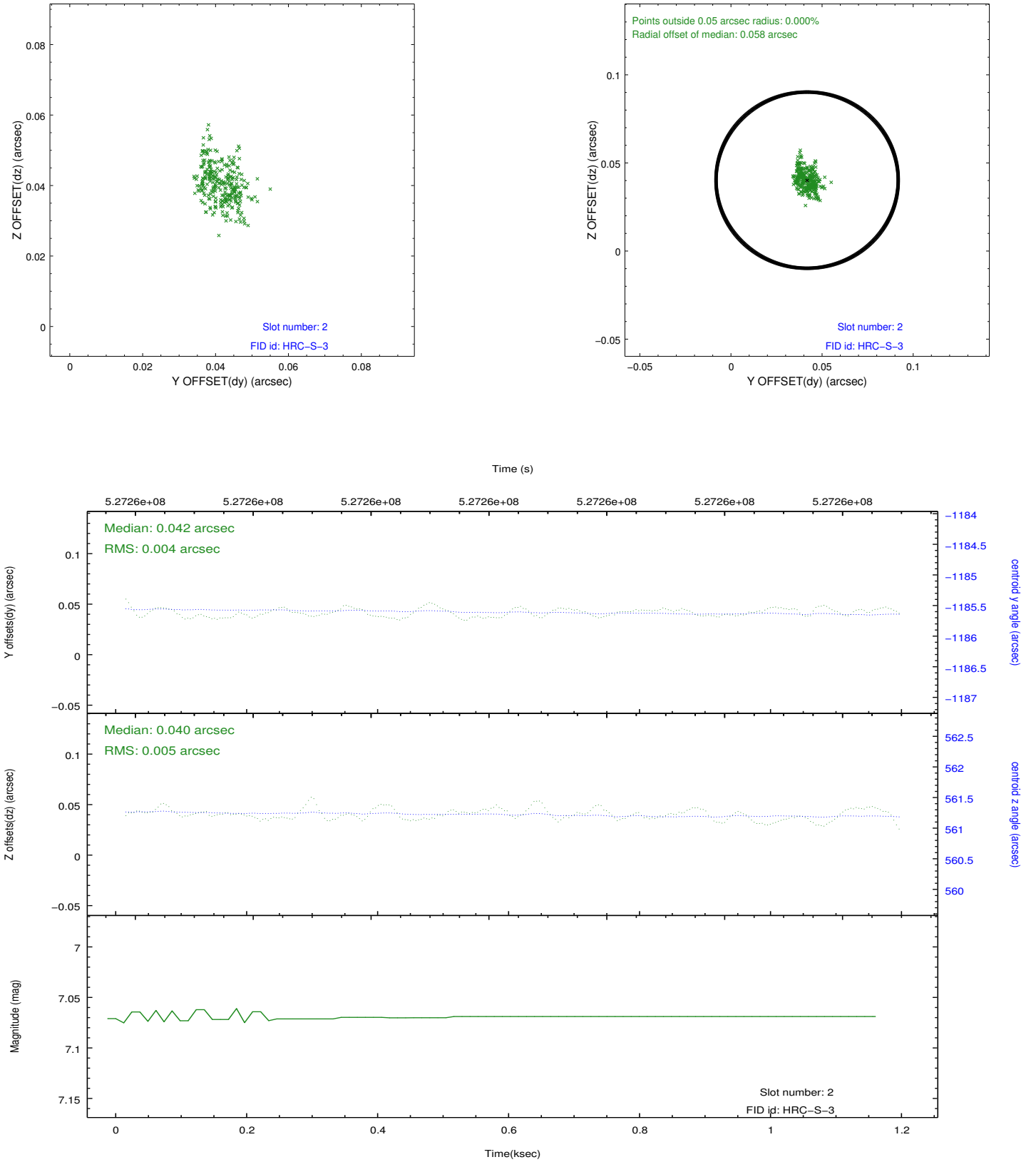
2.5.1 Slot 0



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)	2014.09.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1533813139796

A.2 Comments