

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18366 - L2 Version 1
Chandra X-Ray Center

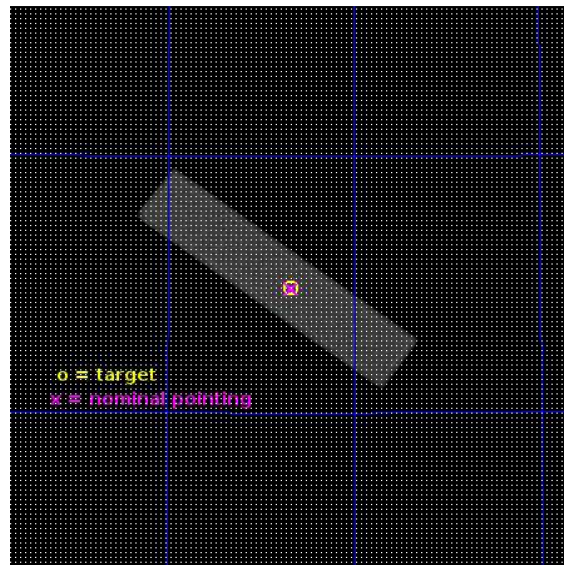
L2 Processing Date : Sep 22 2016

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1 Front

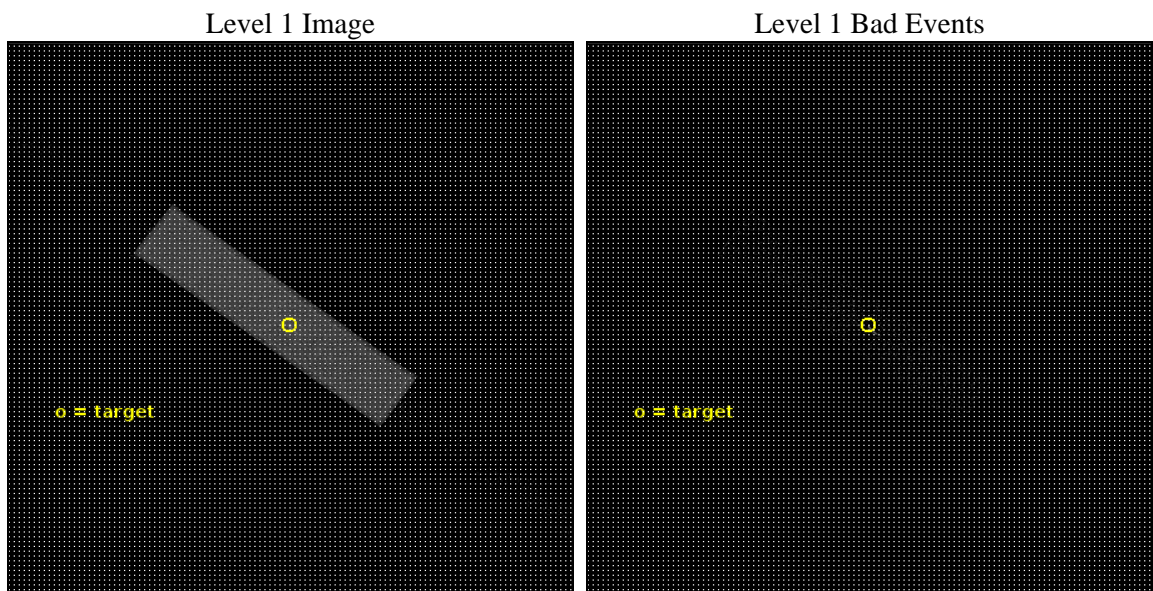
seq_num	291261	Sequence number
obs_id	18366	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.16828714362	Nominal RA [deg]
dec_nom	45.741522941774	Nominal Dec [deg]
roll_nom	216.13406923033	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3143.9314308167	[s]
livetime	3120.3662342445	Ontime multiplied by DTCOR
l2events	184120	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	3000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	3143.9314308167	[s]
caldsver	4.7.2	 	l1events	284036	Number of level 1 events
date	2016-09-23T01:51:46	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

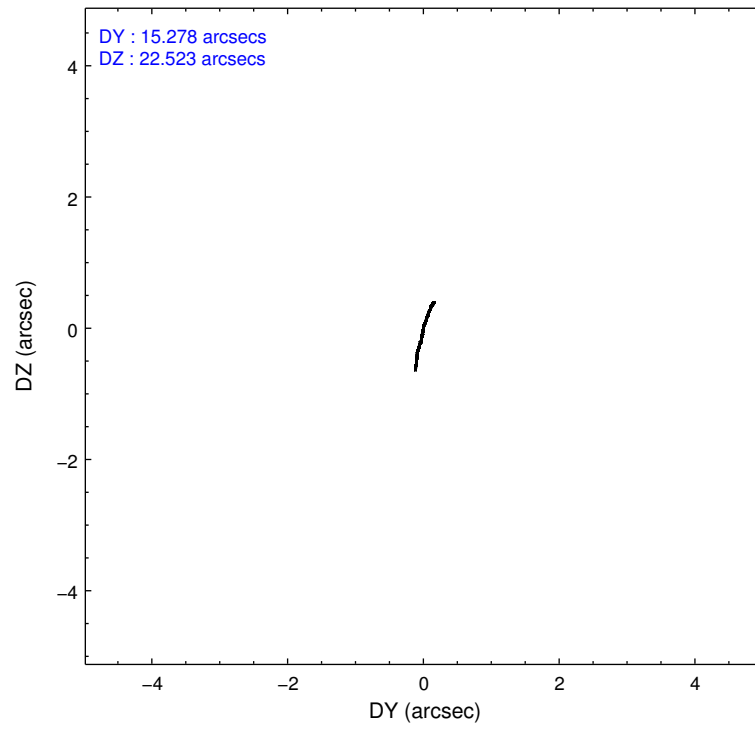
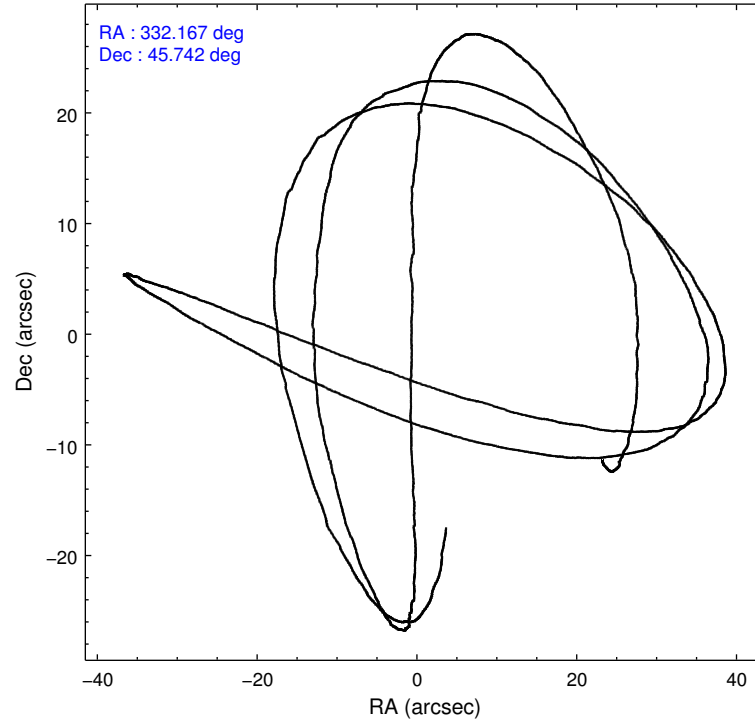
	segment 1	segment 2	segment 3
level 1 events	930	282173	933
rejected events	930	69814	933
rejected %	100%	24%	100%

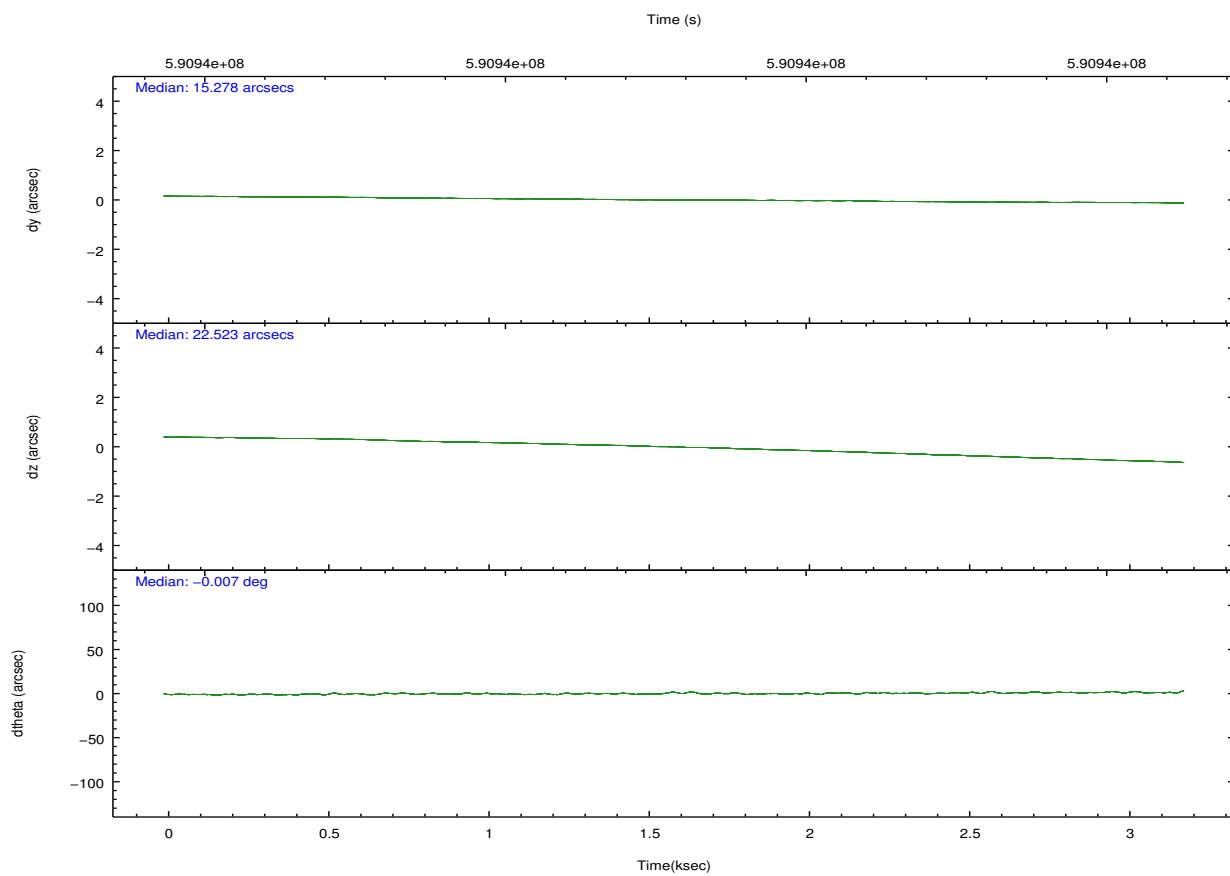
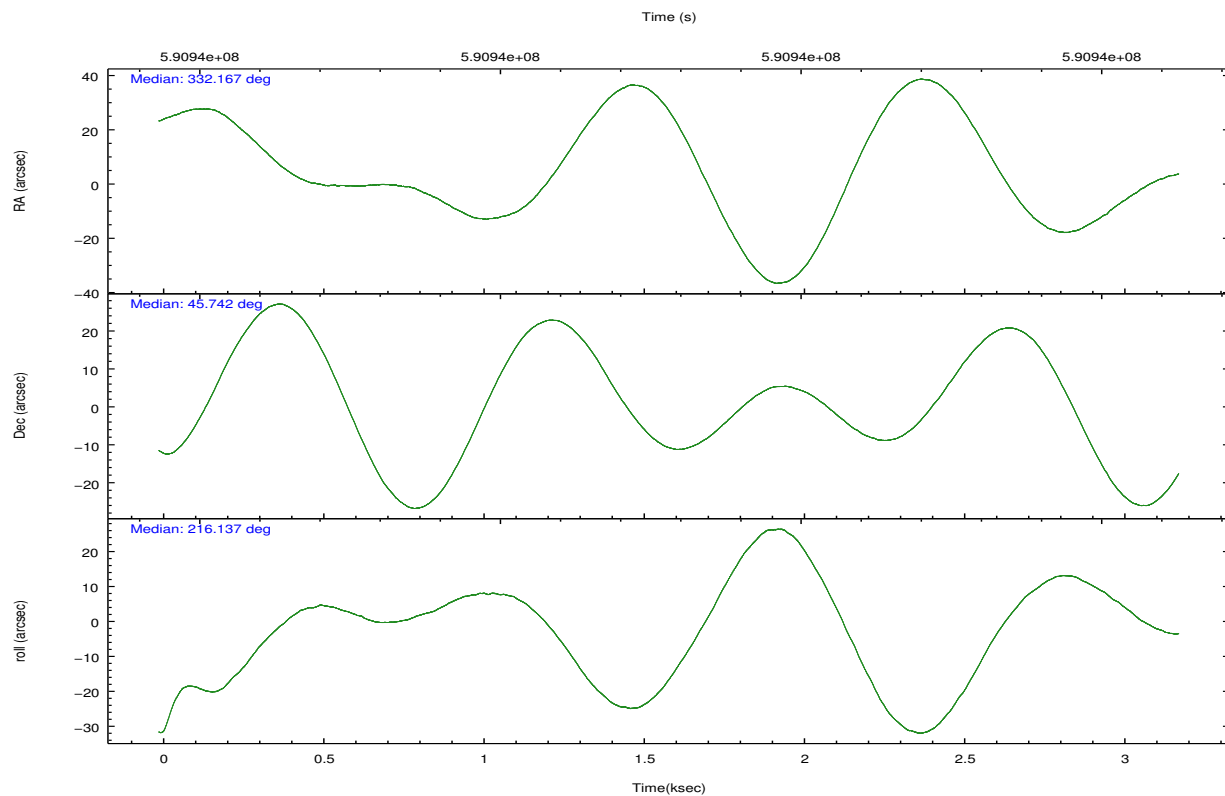
2.2 Compared Parameters

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	332.182940	332.1682871436243
[deg] Pointing Dec	45.768599	45.74152294177363
[deg] Pointing Roll	216.056288	216.1340692303304
[s] Window start time (MET)	589075268.184000	589075268.184000
[s] Window stop time (MET)	591580868.184000	591580868.184000
[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)	590941160.184000	590940033.37514
Observation start date	2016-09-22T14:18:12	2016-09-22T14:00:33
[s] Observation end time (MET)	590944160.184000	590944294.8128901
Observation end date	2016-09-22T15:08:12	2016-09-22T15:11:34

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

2.3 Aspect



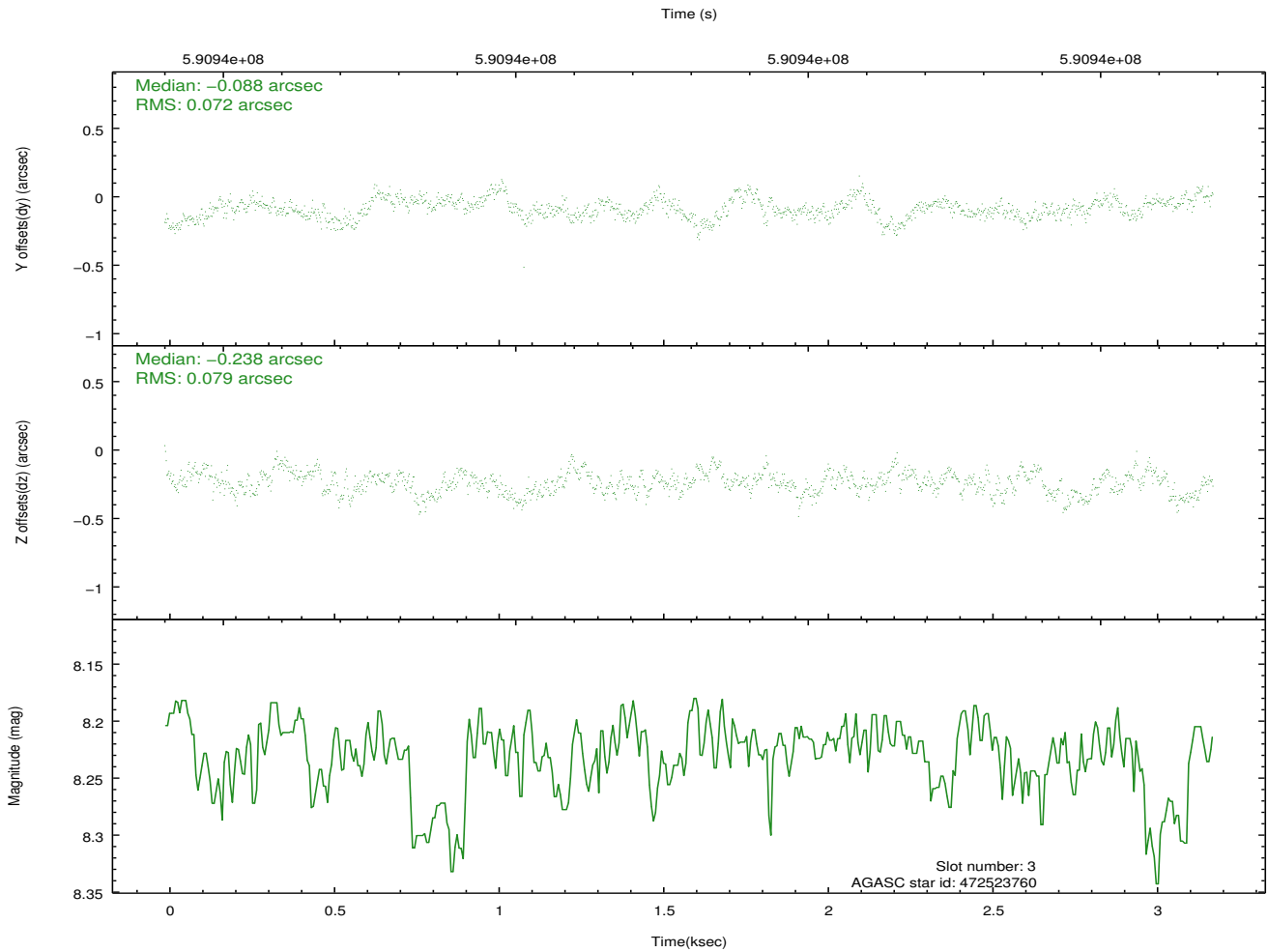
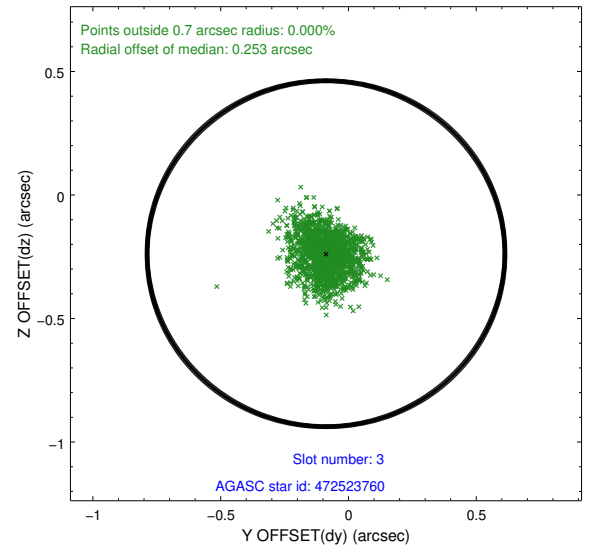
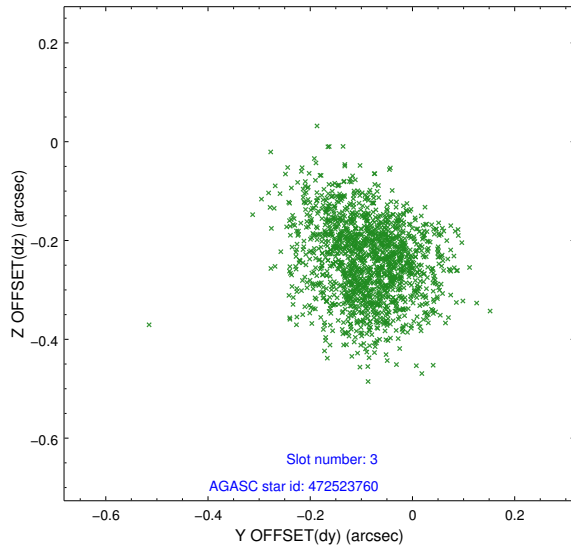


Slot Statistics

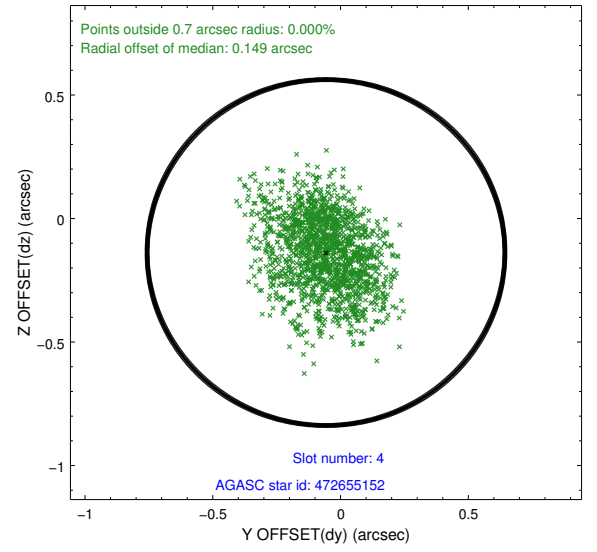
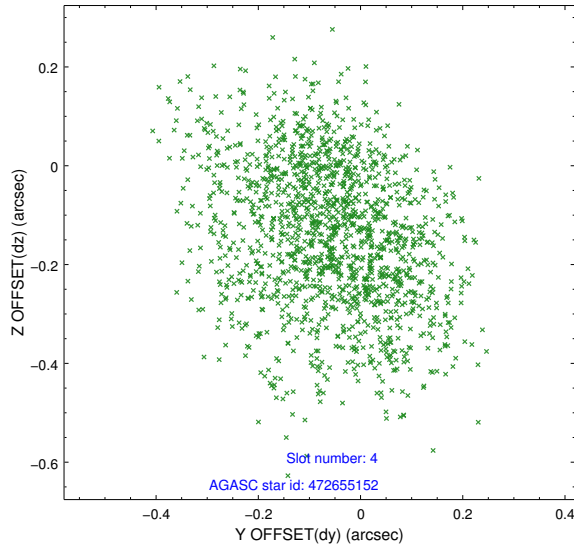
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.10	777	-0.048	-0.196	0.008	0.013	0.000000	0.000000	-1169.76	-471.64
1	FID		HRC-S-2	7.07	777	0.348	-0.117	0.006	0.010	0.000000	0.000000	1228.79	-464.68
2	FID		HRC-S-3	7.08	777	0.089	0.011	0.009	0.016	0.000000	0.000000	-1170.82	557.49
3	GUIDE	used	472523760	8.23	1553	-0.088	-0.238	0.115	0.181	331.645363	45.403260	1870.69	259.04
4	GUIDE	used	472655152	9.40	1553	-0.057	-0.138	0.206	0.328	332.504239	45.862991	-850.33	197.84
5	GUIDE	used	472665256	8.97	1553	0.204	0.303	0.132	0.202	332.808125	46.195041	-2166.36	-329.10
6	GUIDE	used	420754040	9.03	1554	-0.346	-0.167	0.144	0.237	331.917939	44.882543	2420.48	2179.75
7	GUIDE	used	472533912	9.13	1551	0.282	0.244	0.138	0.236	331.791136	46.368695	-483.69	-2320.13

2.4 Star Slots

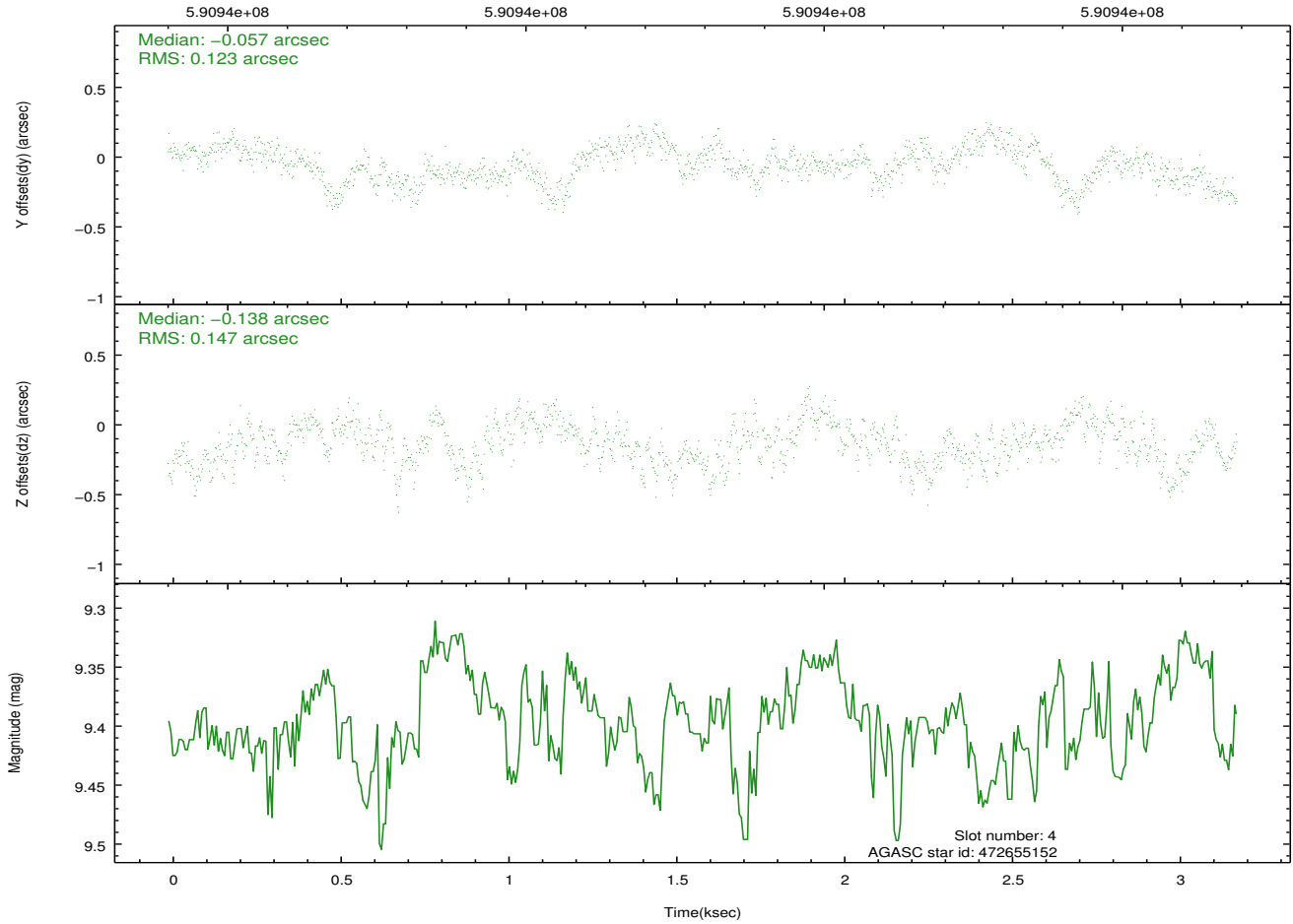
2.4.1 Slot 3



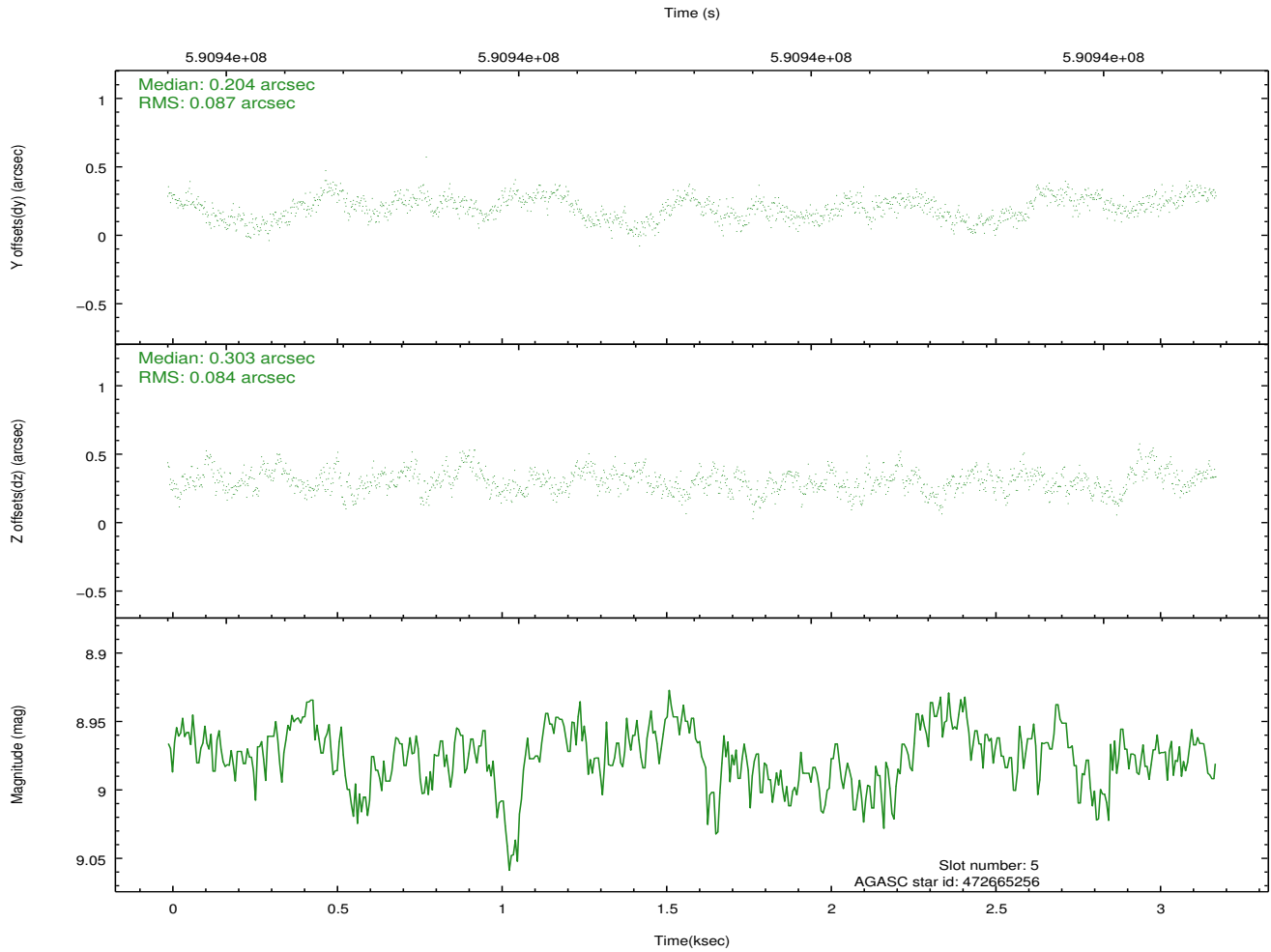
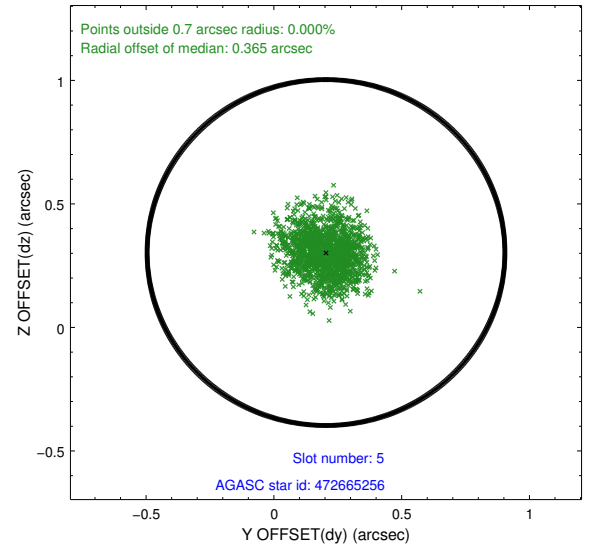
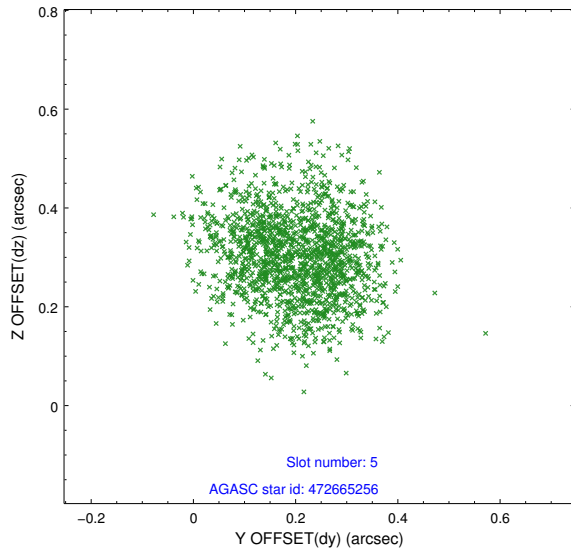
2.4.2 Slot 4



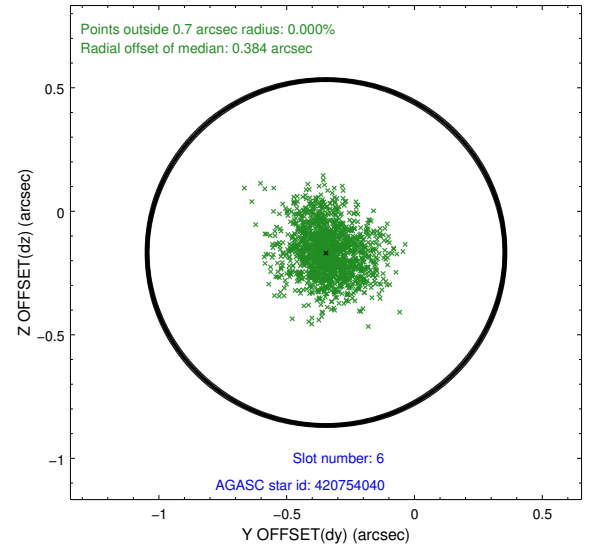
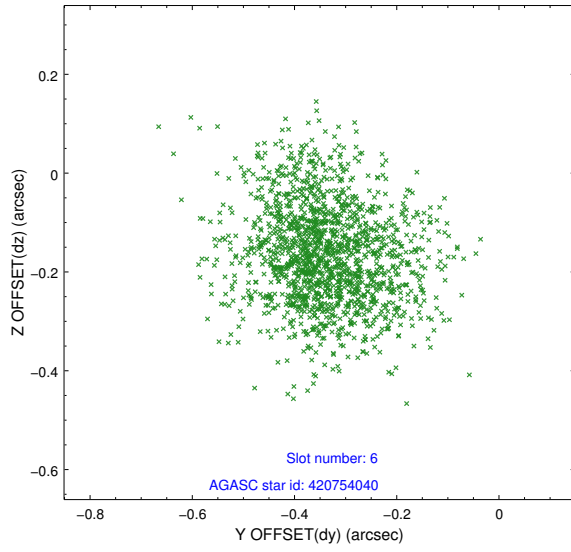
Time (s)



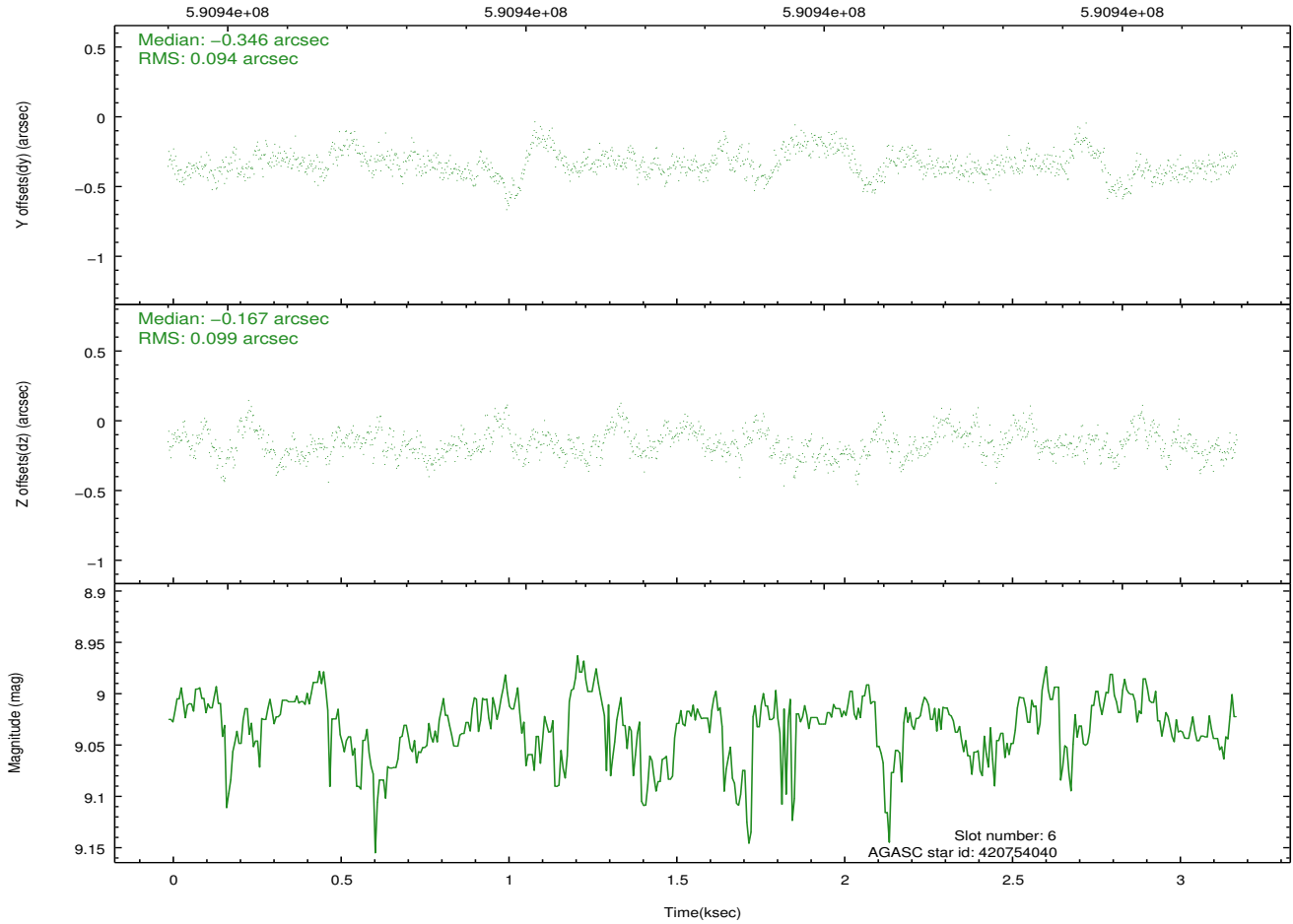
2.4.3 Slot 5



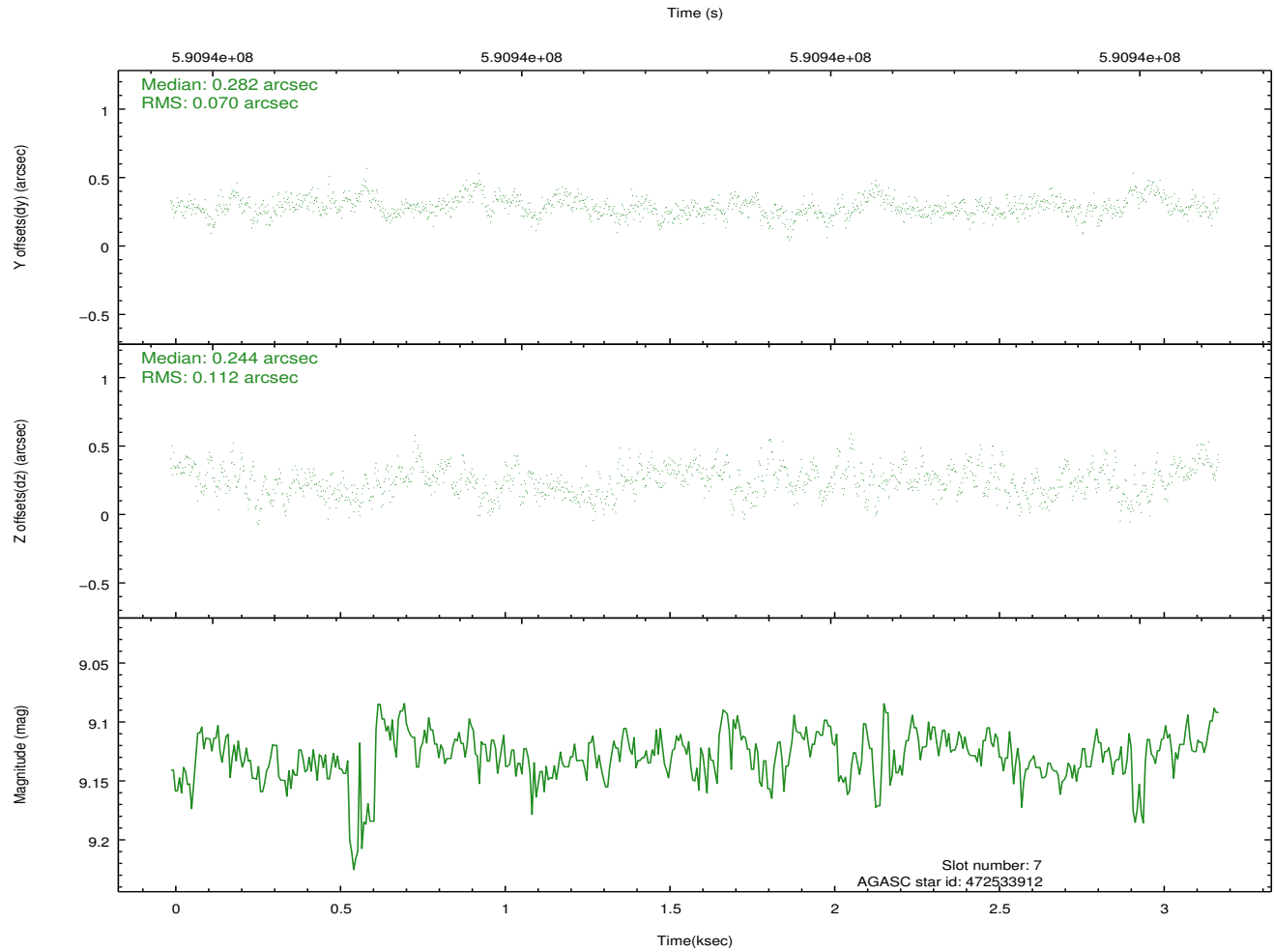
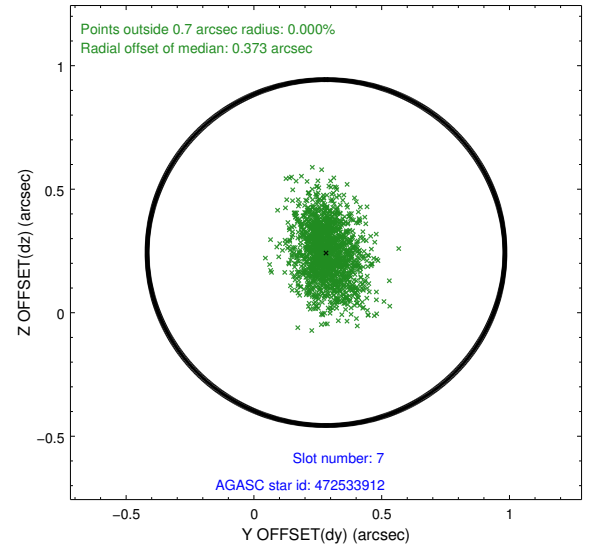
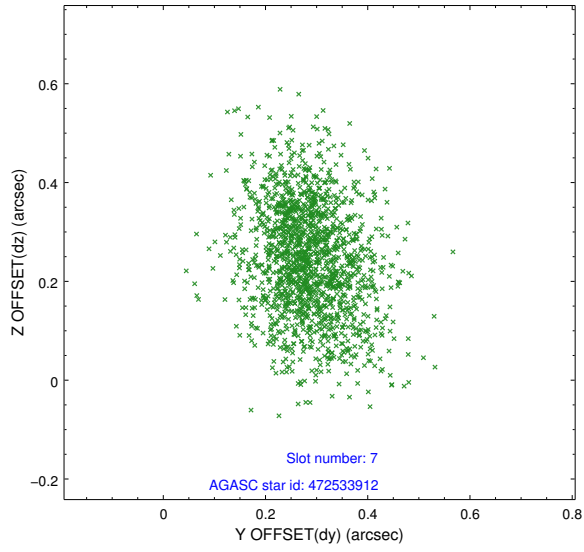
2.4.4 Slot 6



Time (s)

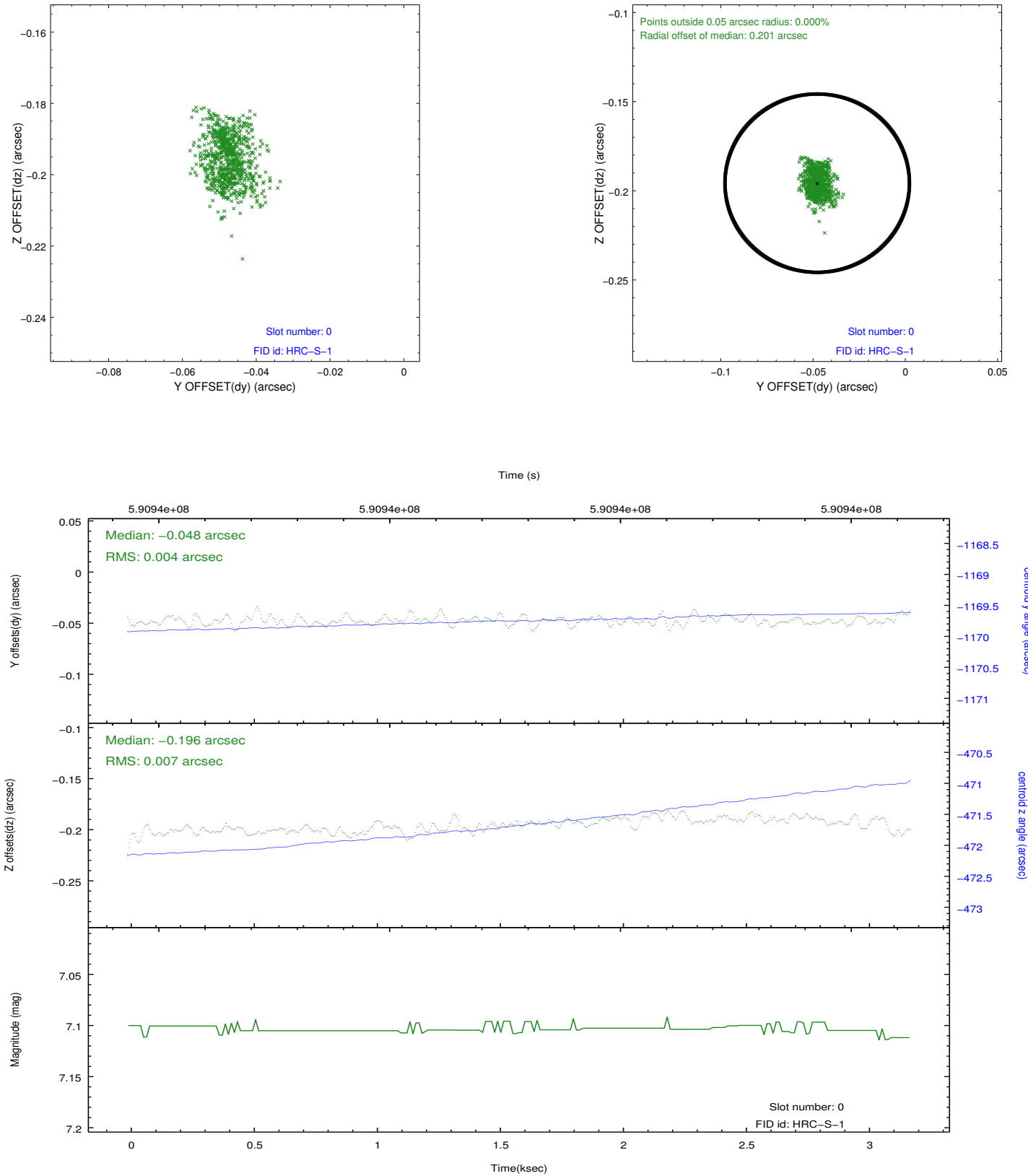


2.4.5 Slot 7

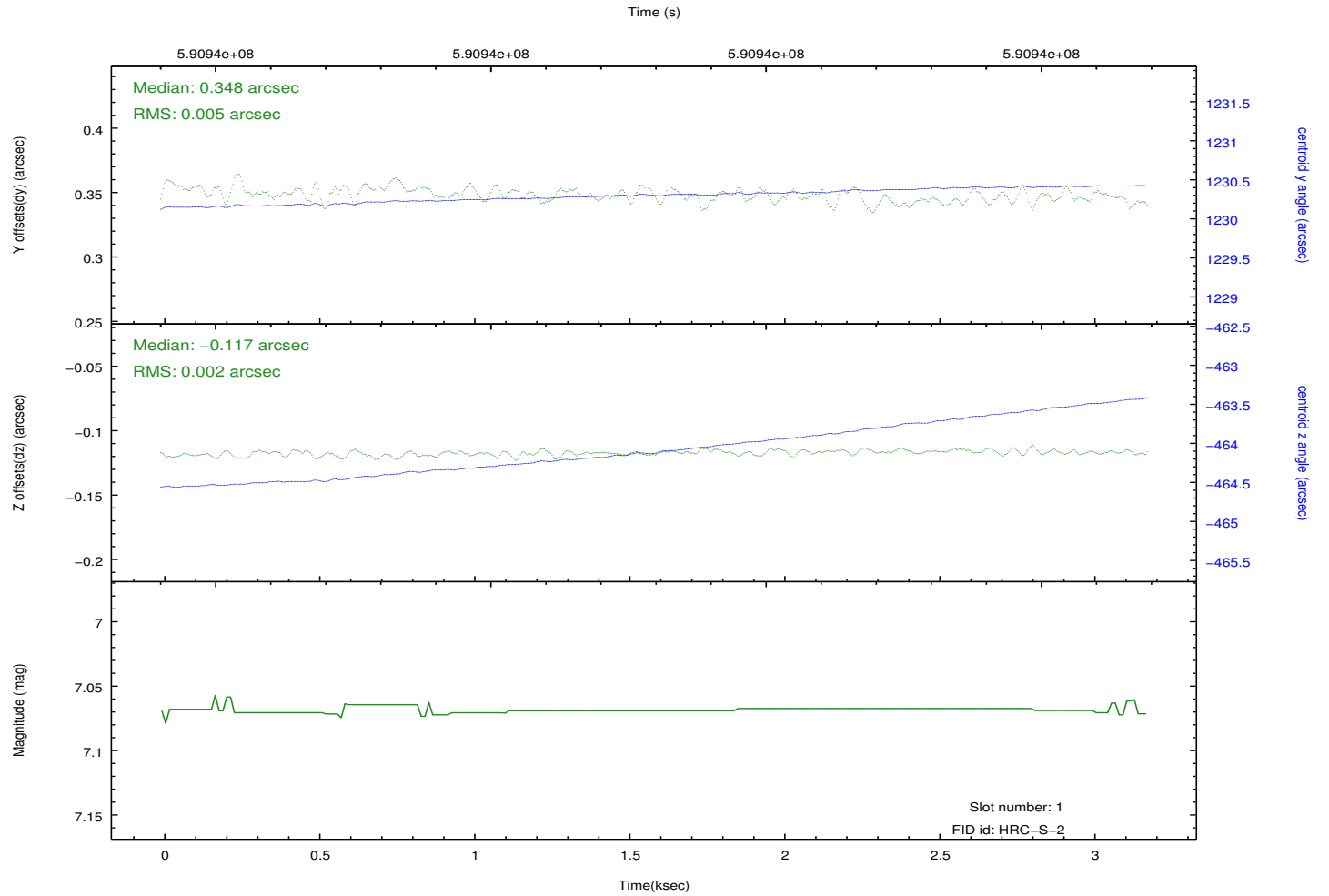
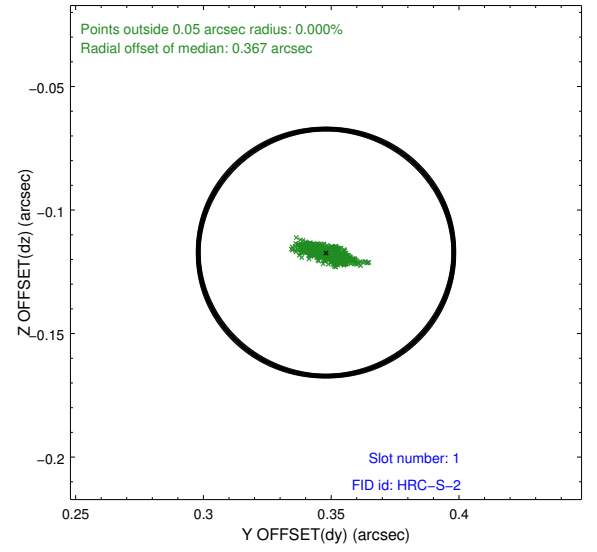
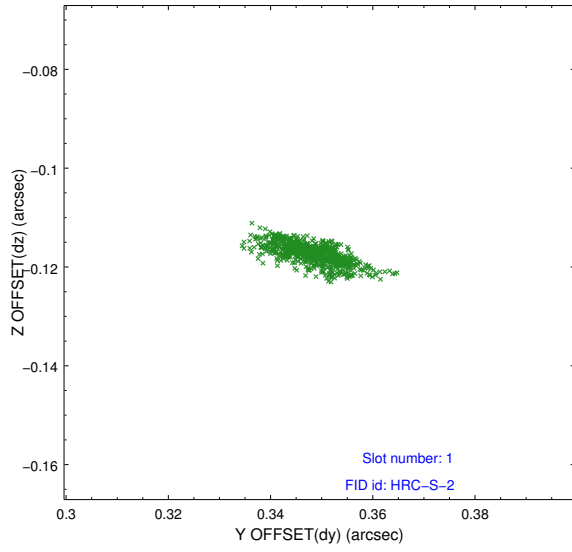


2.5 FID Slots

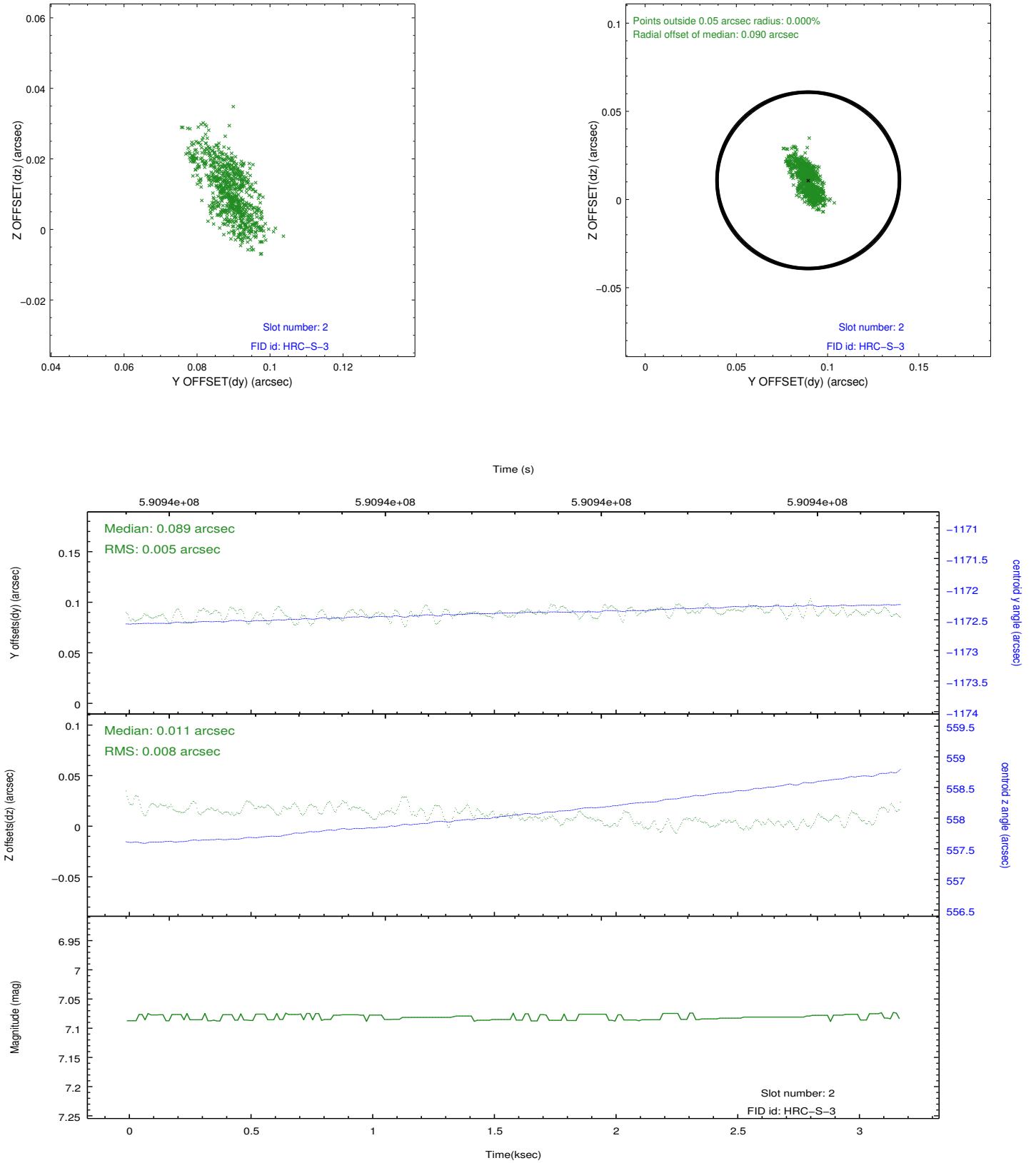
2.5.1 Slot 0



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)	2016.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1439314308167

A.2 Comments

Window constraint met.