

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16397 - L2 Version 1
Chandra X-Ray Center

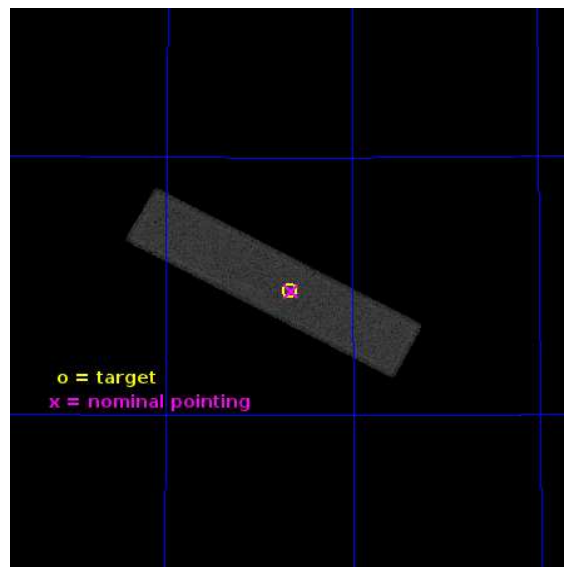
L2 Processing Date : Sep 16 2014

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1 Front

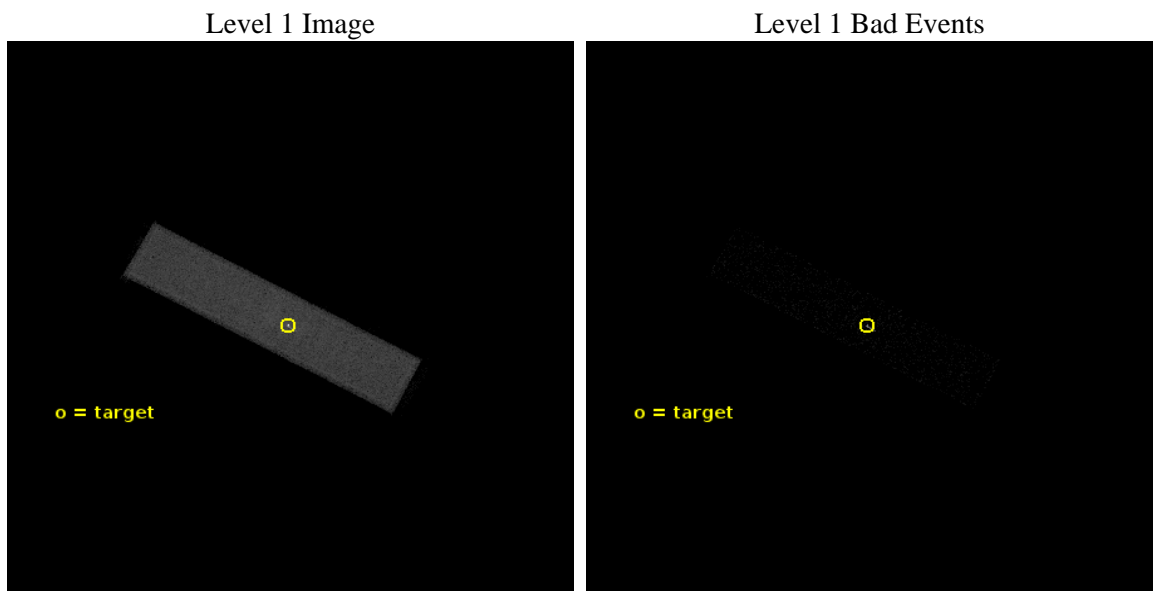
seq_num	291169	Sequence number
obs_id	16397	Observation id
title	AO-15 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.16391378506	Nominal RA [deg]
dec_nom	45.740085916924	Nominal Dec [deg]
roll_nom	208.02155144097	Nominal Roll [deg]
revision	1	Processing version of data
ontime	3157.2564253807	[s]
livetime	3139.5185580481	Ontime multiplied by DTCOR
l2events	130885	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	10.2.4	Processing system revision	ontime	3157.2564253807	[s]
caldsver	4.6.3	 	l1events	165136	Number of level 1 events
date	2014-09-17T03:24:22	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

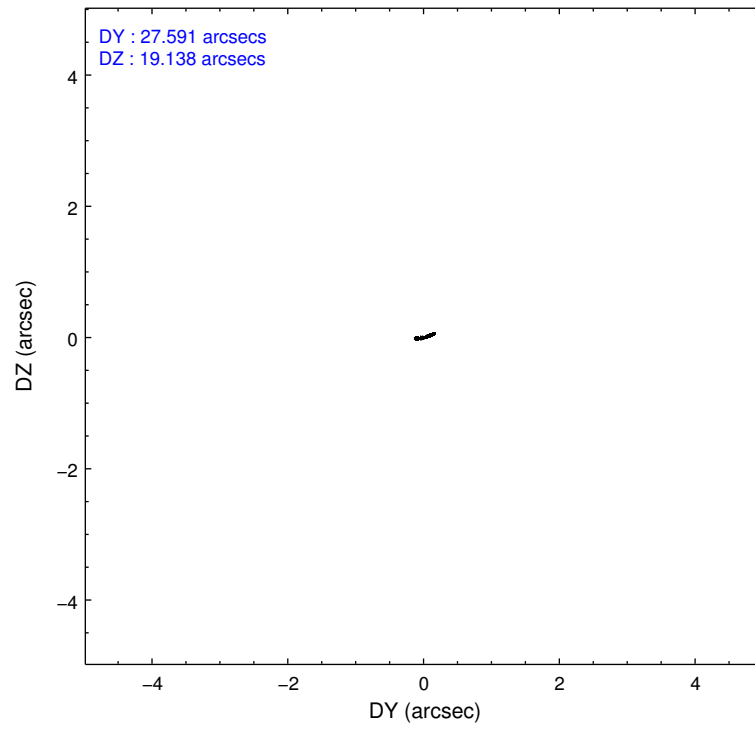
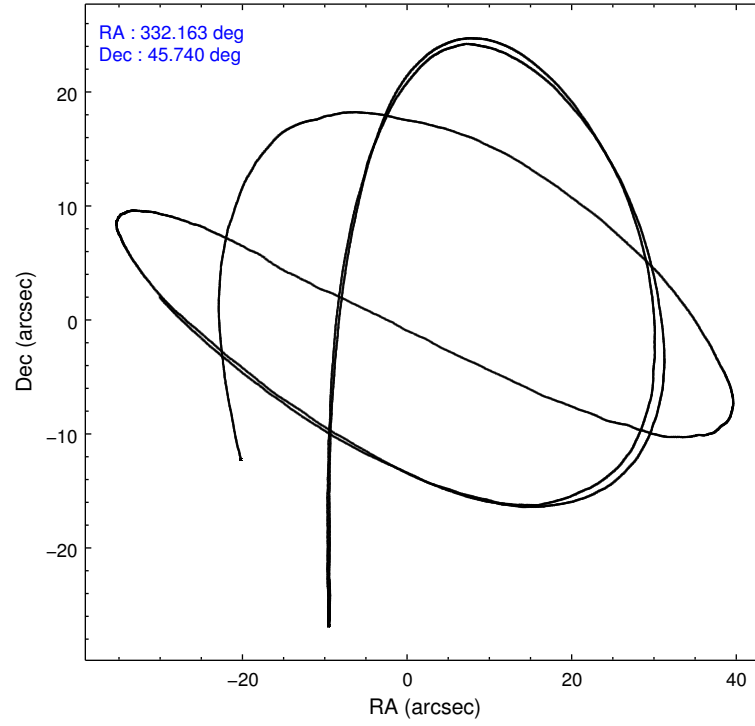
	segment 1	segment 2	segment 3
level 1 events	0	165136	0
rejected events	0	8576	0
rejected %	0%	5%	0%

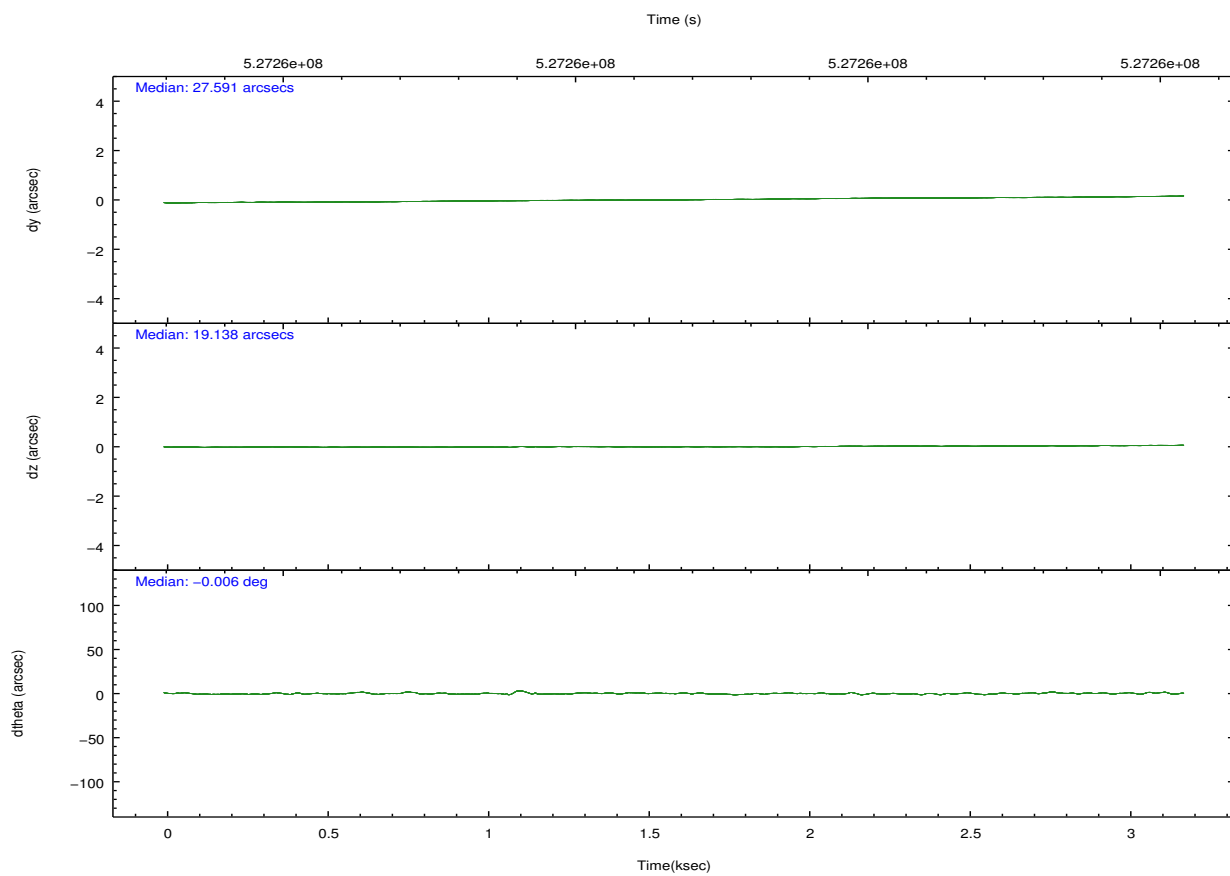
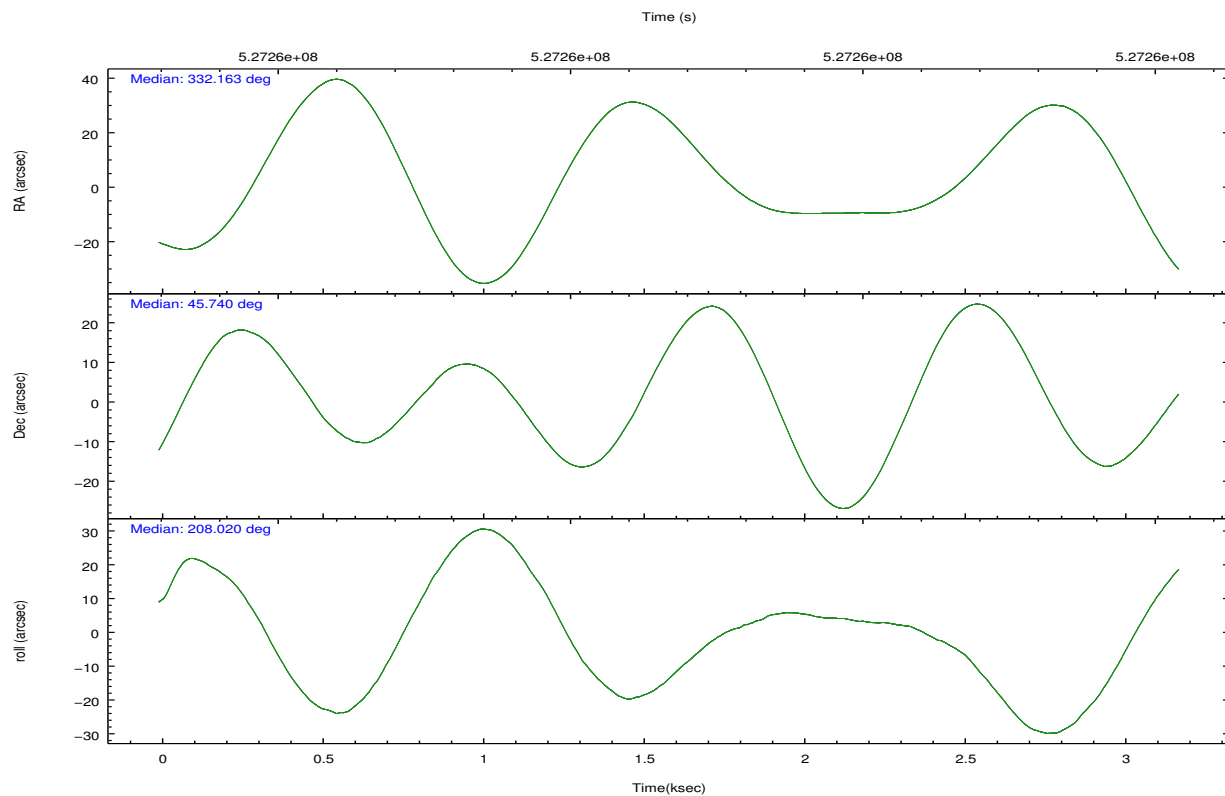
2.2 Compared Parameters

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	332.183960	332.1639137850647
[deg] Pointing Dec	45.765212	45.74008591692446
[deg] Pointing Roll	207.939855	208.0215514409702
[s] Window start time (MET)	523238467.184000	523238467.184000
[s] Window stop time (MET)	531100867.184000	531100867.184000
[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)	527254918.184000	527254538.4024
Observation start date	2014-09-16T11:40:51	2014-09-16T11:35:38
[s] Observation end time (MET)	527257918.184000	527258051.5901
Observation end date	2014-09-16T12:30:51	2014-09-16T12:34:11

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

2.3 Aspect



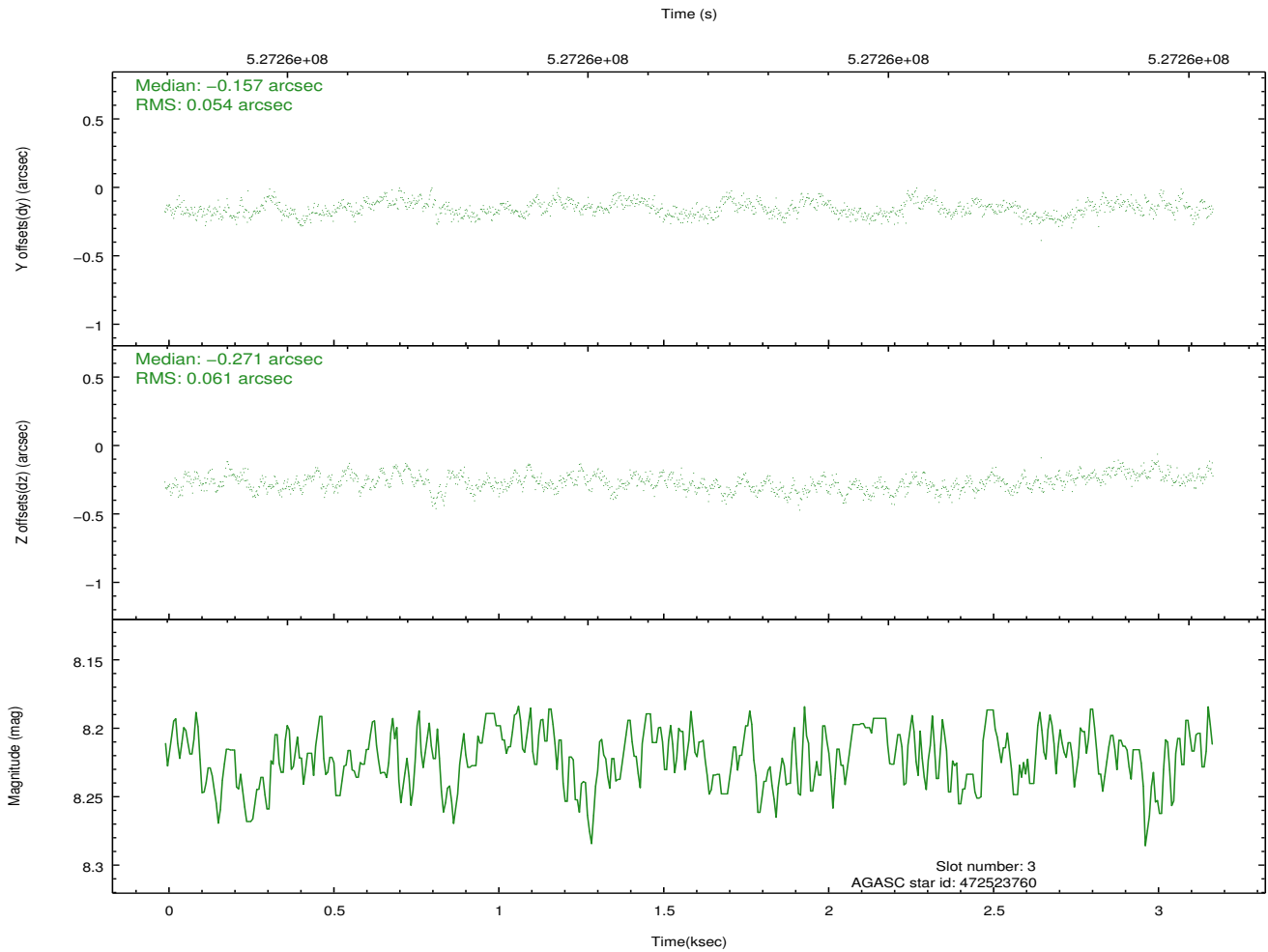
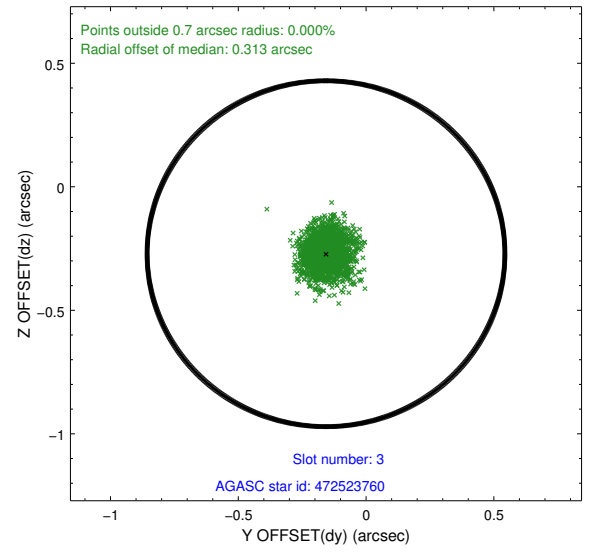
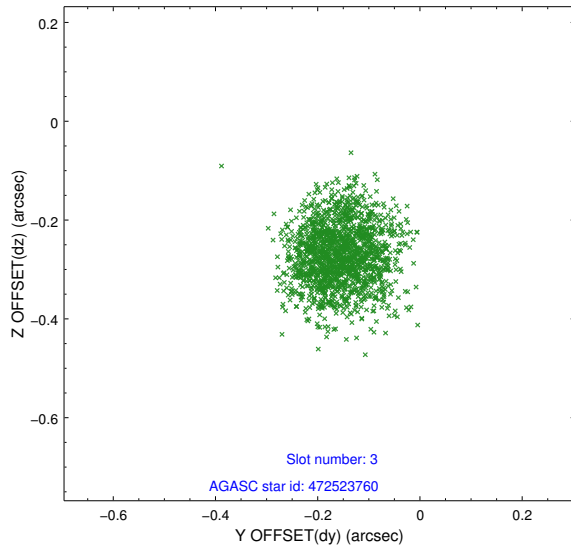


Slot Statistics

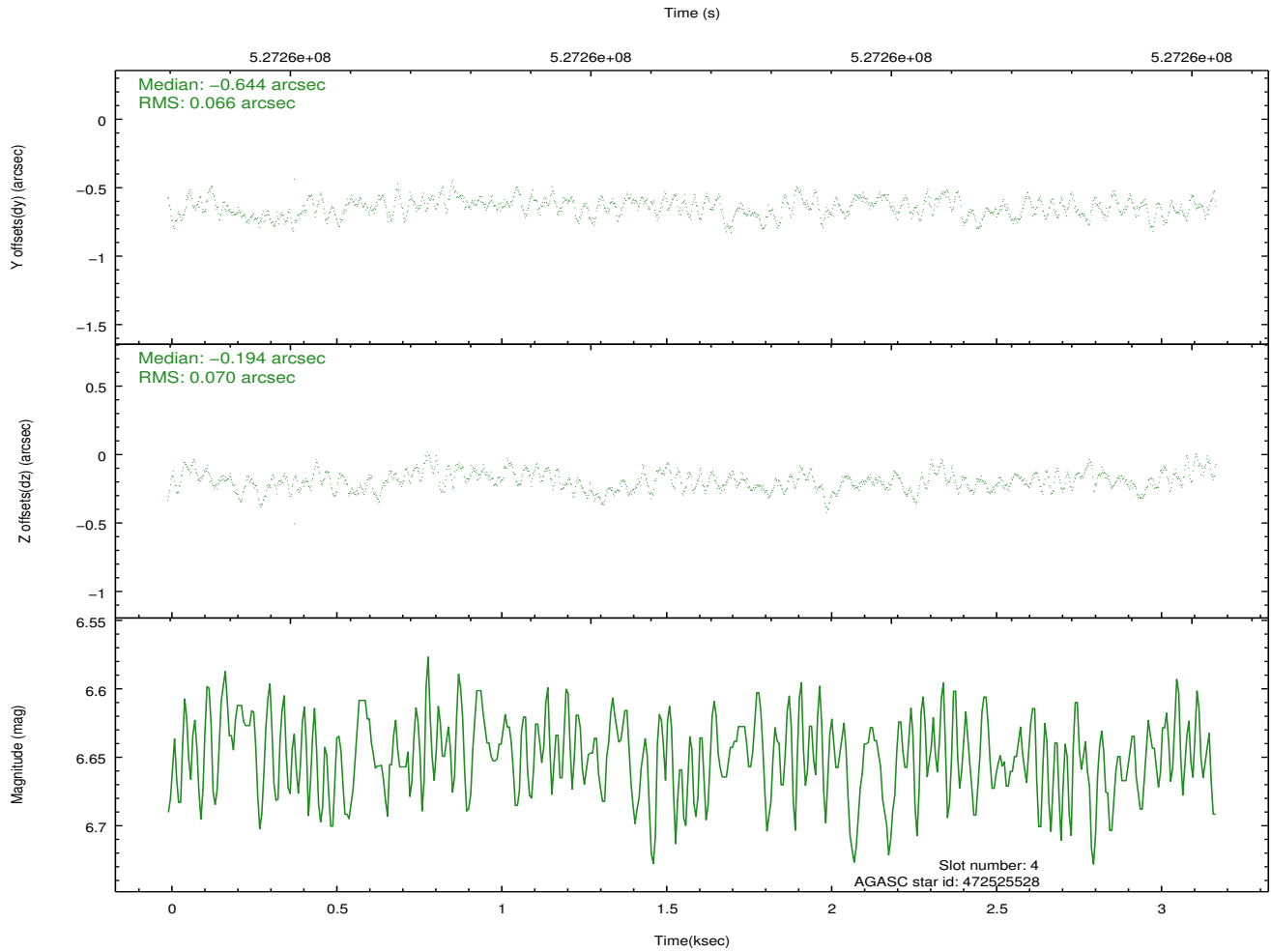
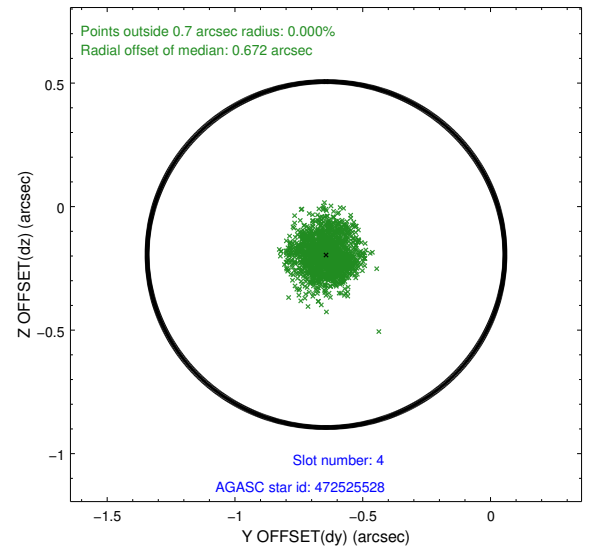
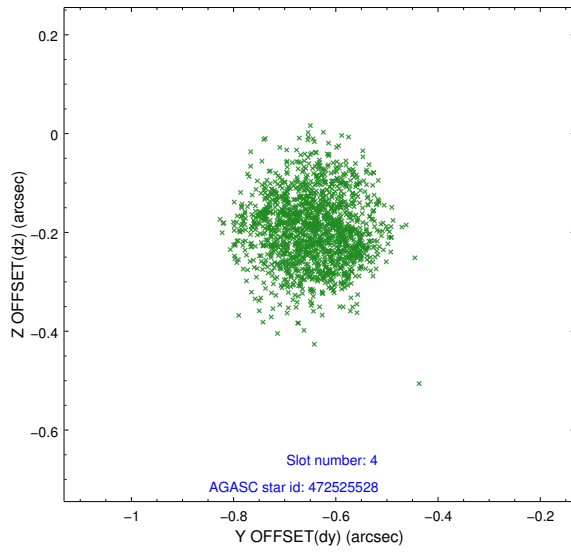
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.07	775	0.009	-0.197	0.007	0.012	0.000000	0.000000	-1182.38	-468.26
1	FID	HRC-S-2	7.04	775	0.353	-0.144	0.006	0.011	0.000000	0.000000	1216.10	-461.32
2	FID	HRC-S-3	7.07	775	0.027	0.038	0.007	0.012	0.000000	0.000000	-1183.56	560.90
3	GUIDE	472523760	8.22	1551	-0.157	-0.271	0.087	0.138	331.645363	45.403260	1811.82	509.38
4	GUIDE	472525528	6.65	1551	-0.644	-0.194	0.104	0.158	331.551102	45.248694	2286.57	886.16
5	GUIDE	472533912	9.15	1551	0.298	0.297	0.146	0.255	331.791136	46.368695	-154.37	-2377.47
6	GUIDE	472655152	9.41	1551	0.151	-0.188	0.178	0.284	332.504239	45.862991	-874.23	62.54
7	GUIDE	472665256	8.98	1550	0.350	0.358	0.104	0.163	332.808125	46.195041	-2101.37	-643.03

2.4 Star Slots

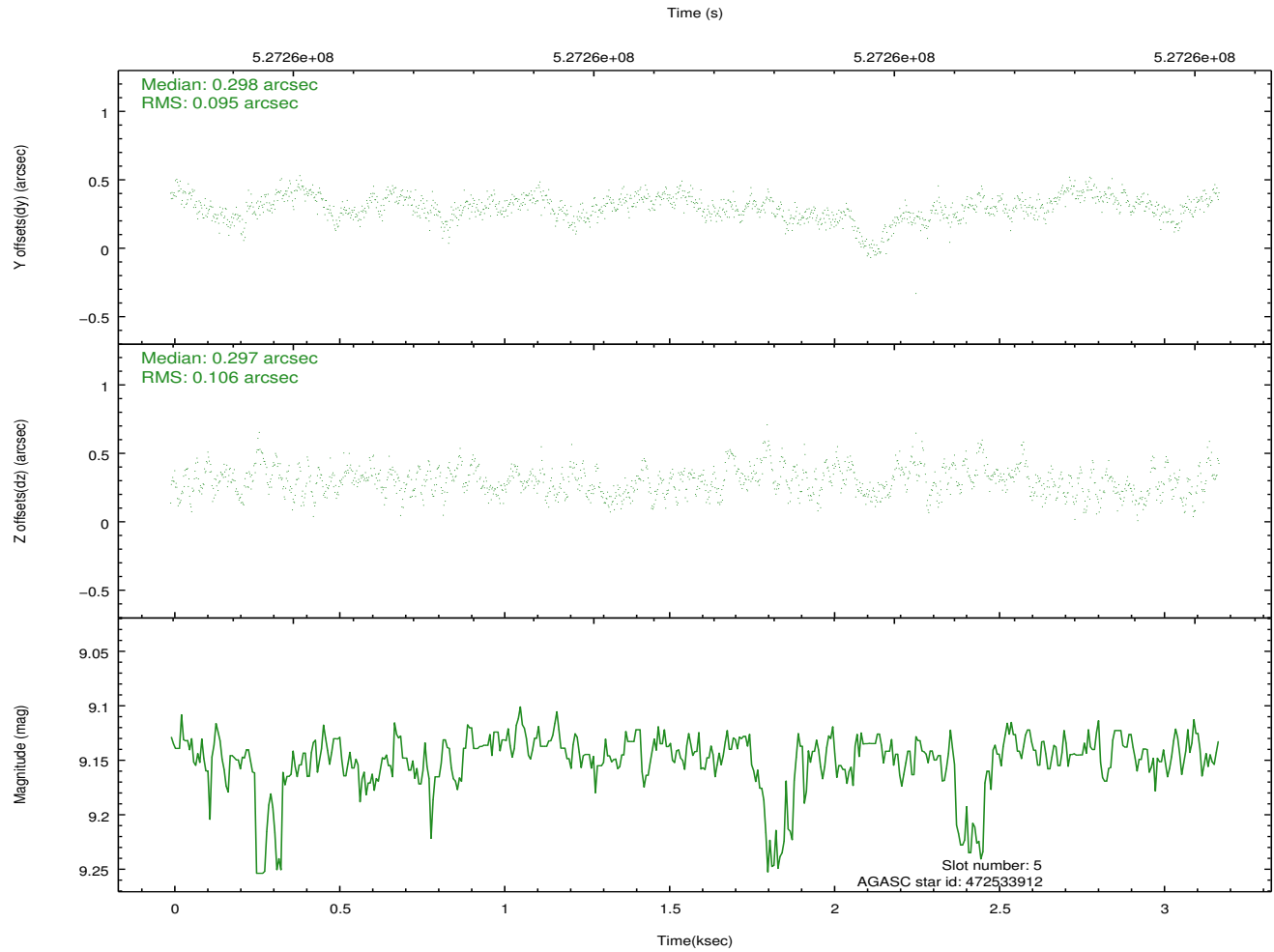
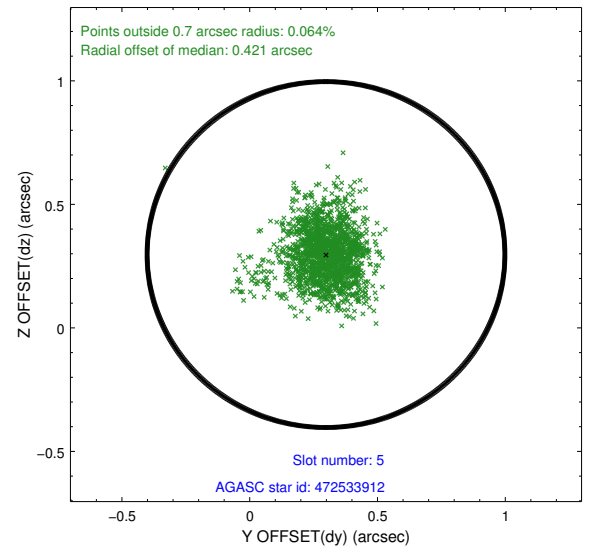
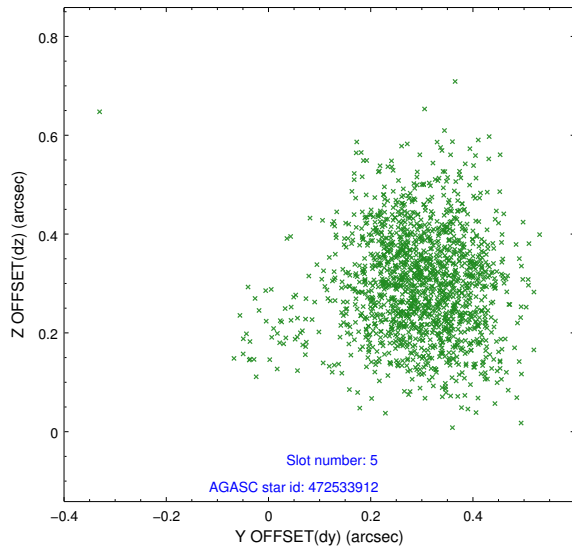
2.4.1 Slot 3



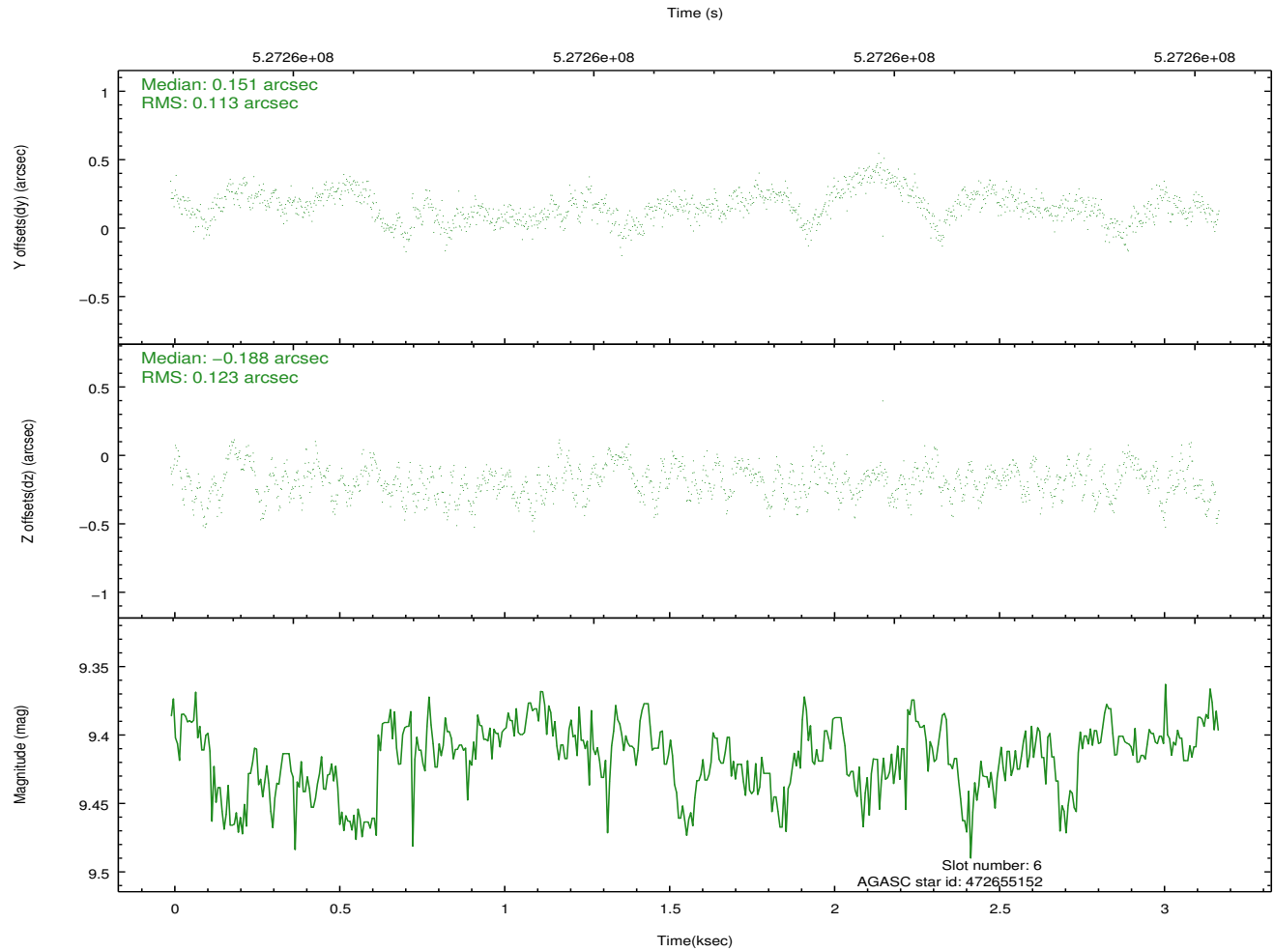
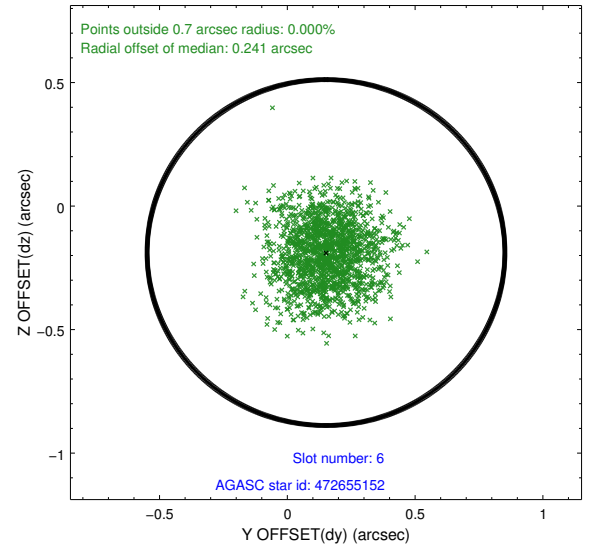
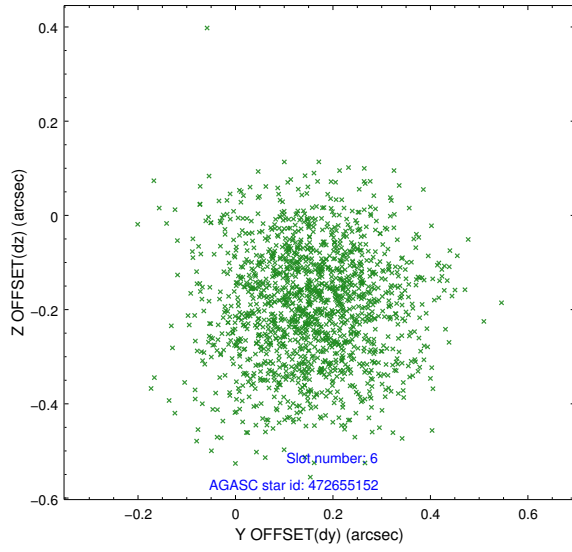
2.4.2 Slot 4



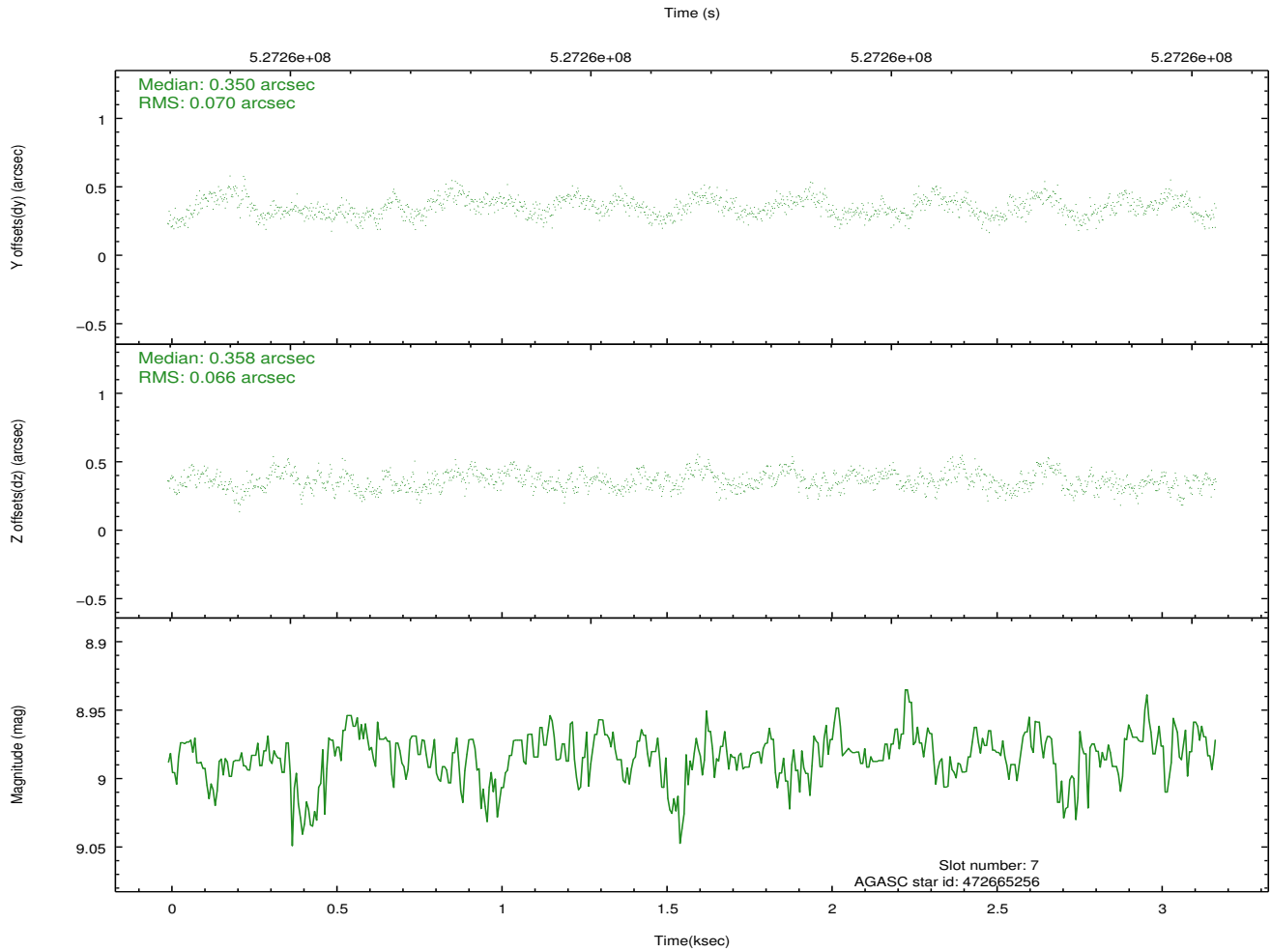
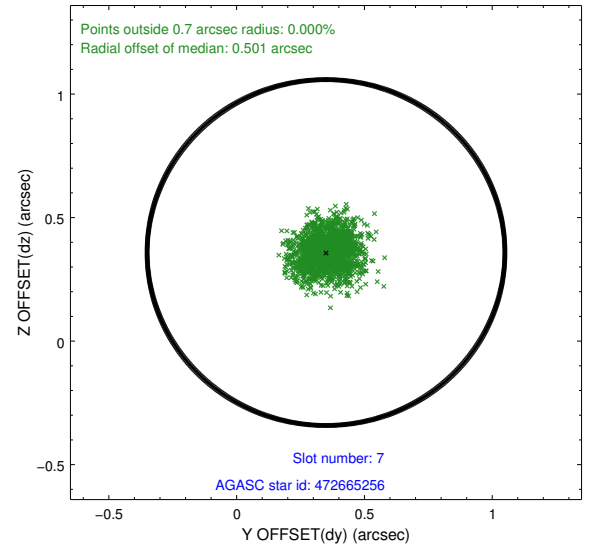
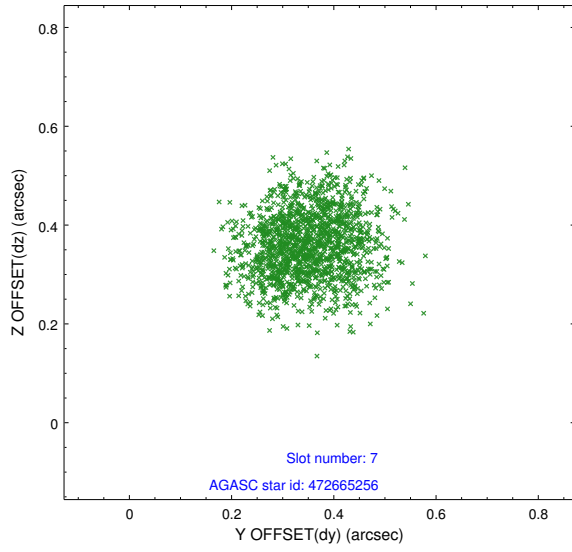
2.4.3 Slot 5



2.4.4 Slot 6

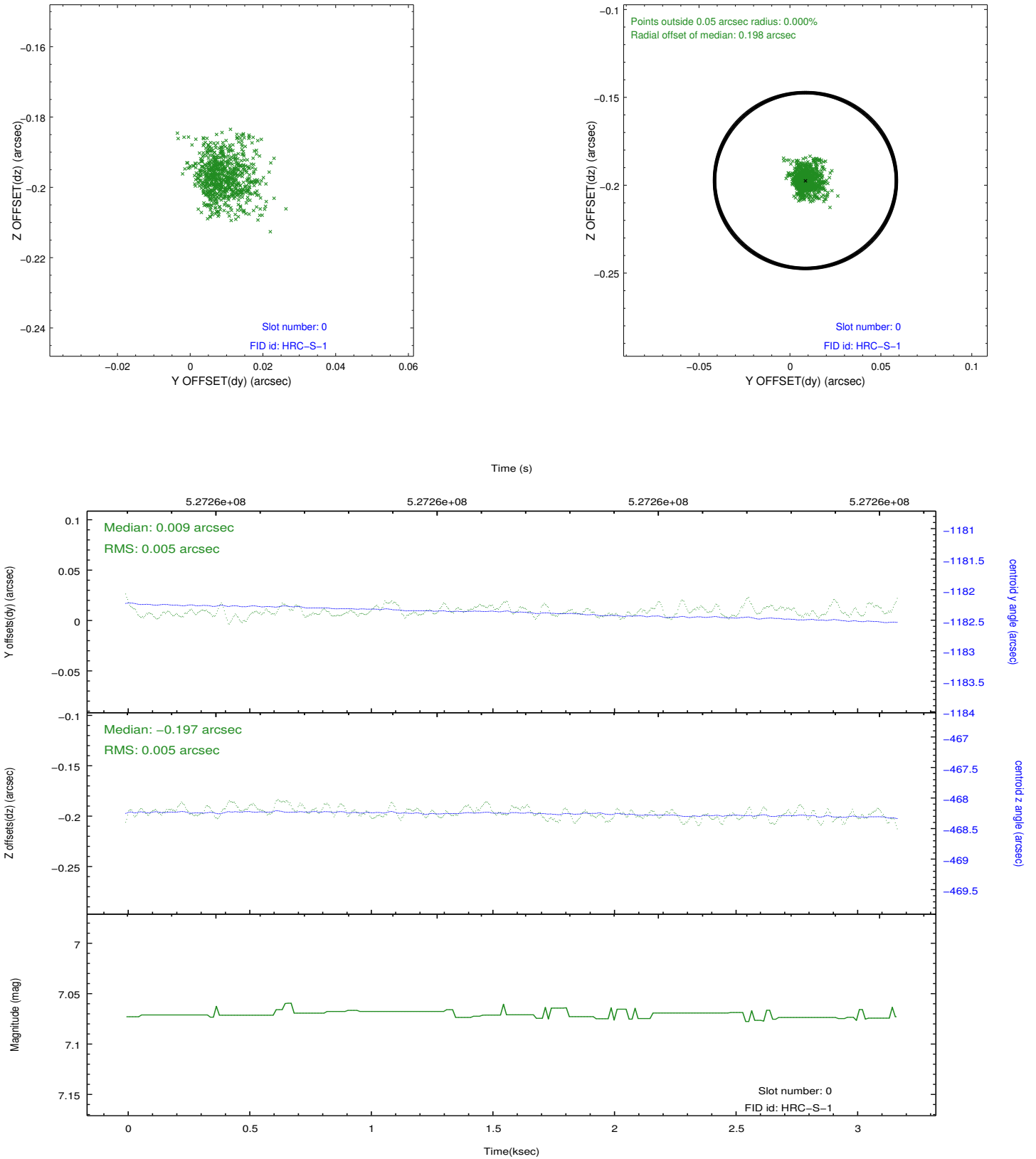


2.4.5 Slot 7

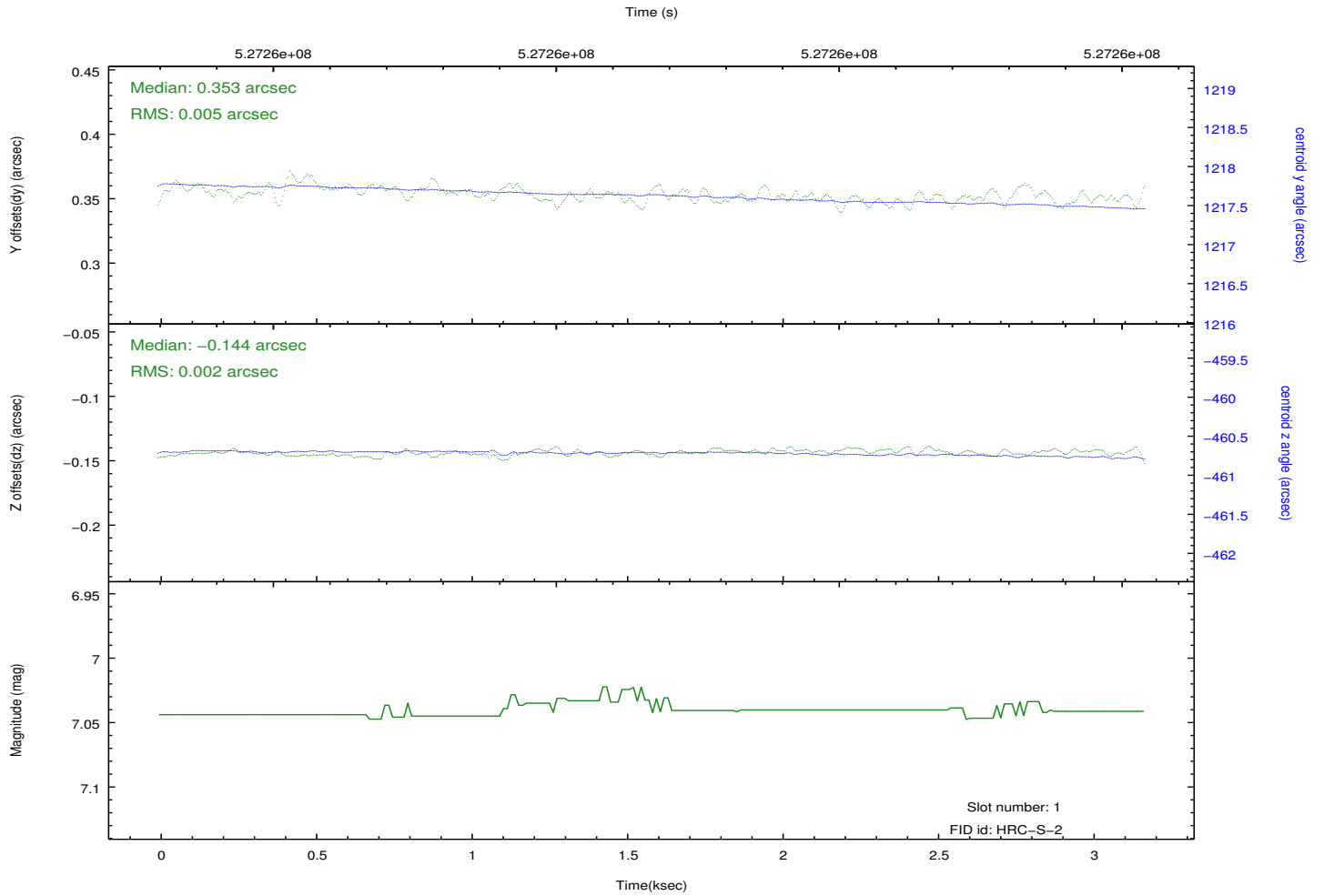
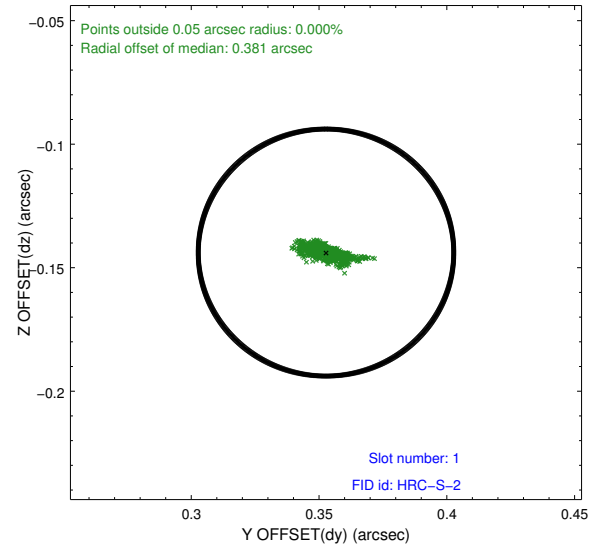
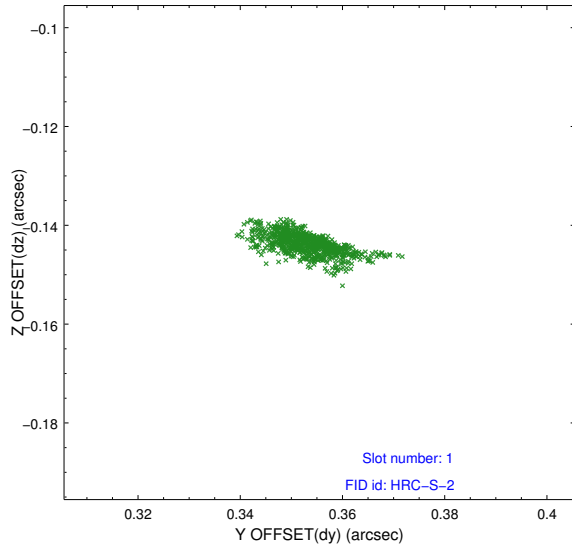


2.5 FID Slots

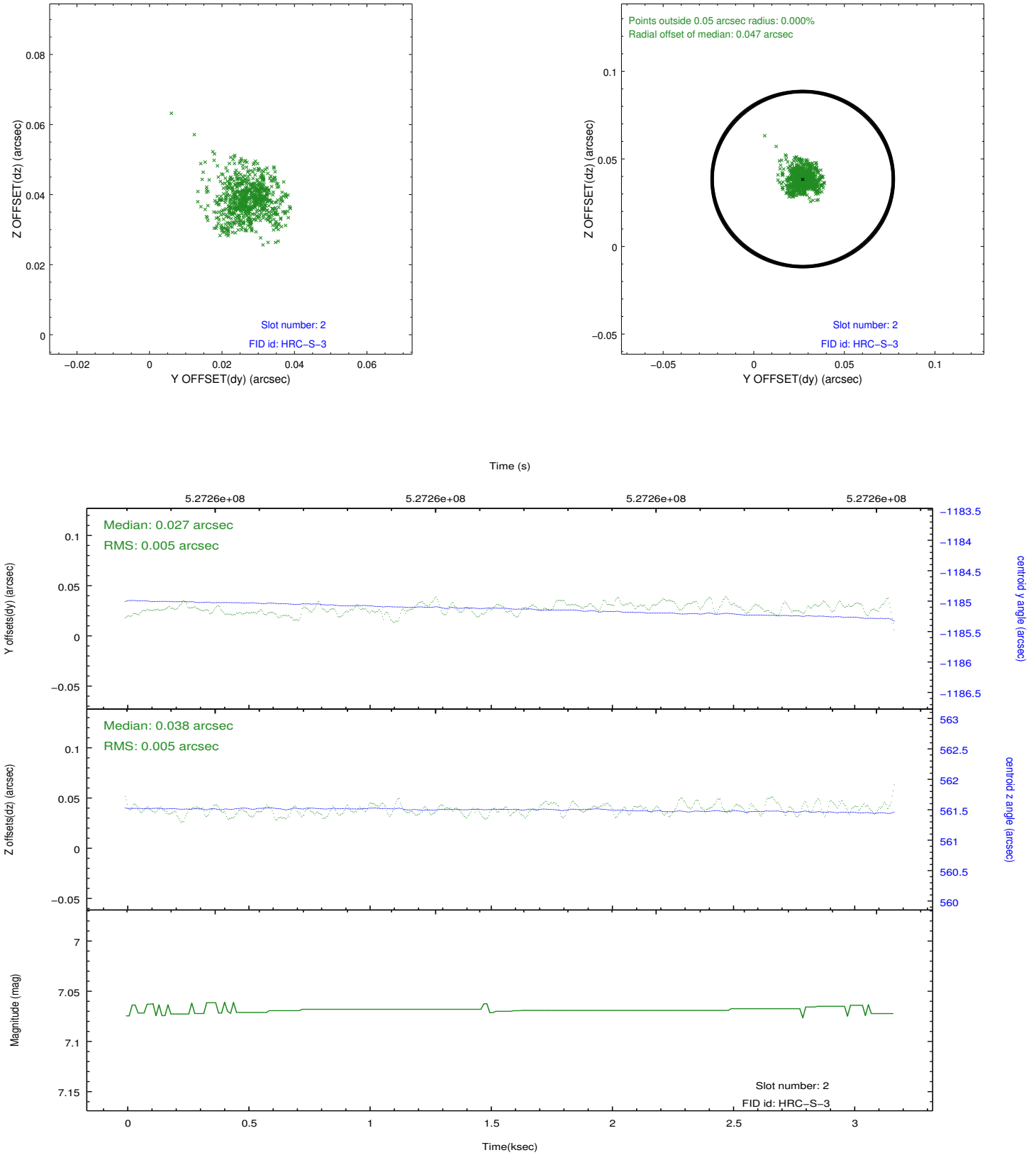
2.5.1 Slot 0



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)	2014.09.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.1572564253807

A.2 Comments

Window preference met.