

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 17335 - L2 Version 1
Chandra X-Ray Center

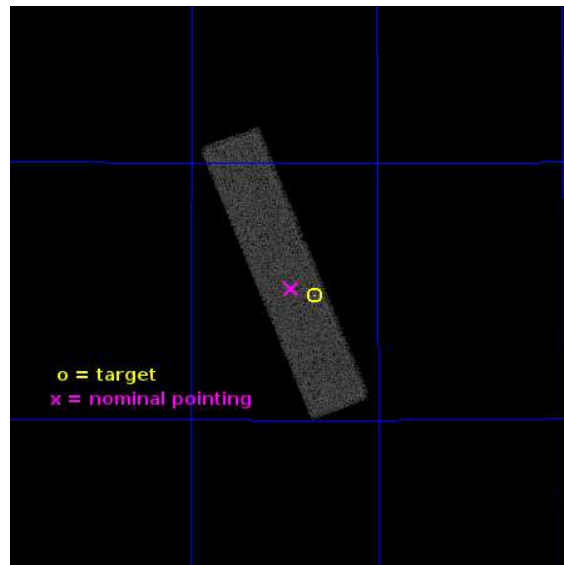
L2 Processing Date : Oct 20 2015

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1 Front

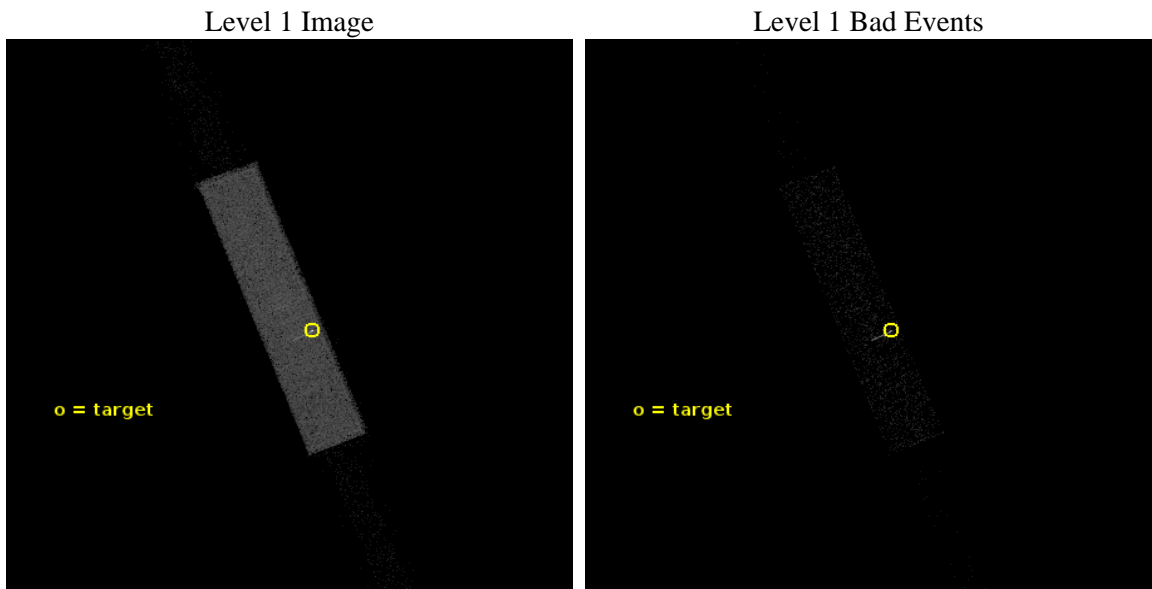
seq_num	291208	Sequence number
obs_id	17335	Observation id
title	AO-16 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.23067832914	Nominal RA [deg]
dec_nom	45.755582375569	Nominal Dec [deg]
roll_nom	248.32898821372	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1153.1250653267	[s]
livetime	1146.0103894671	Ontime multiplied by DTCOR
l2events	54023	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	1153.1250653267	[s]
caldbver	4.6.10a	 	l1events	83920	Number of level 1 events
date	2015-10-20T22:43:32	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

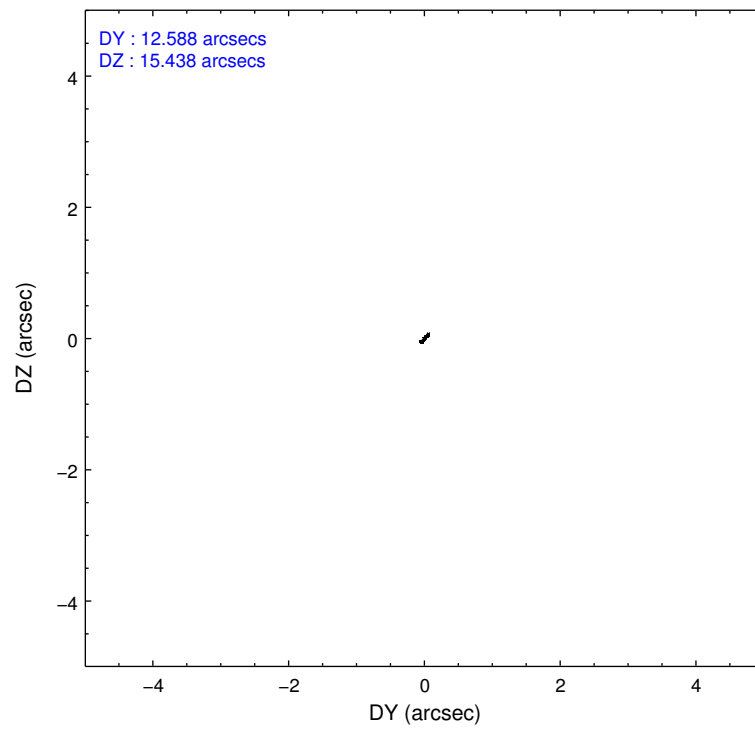
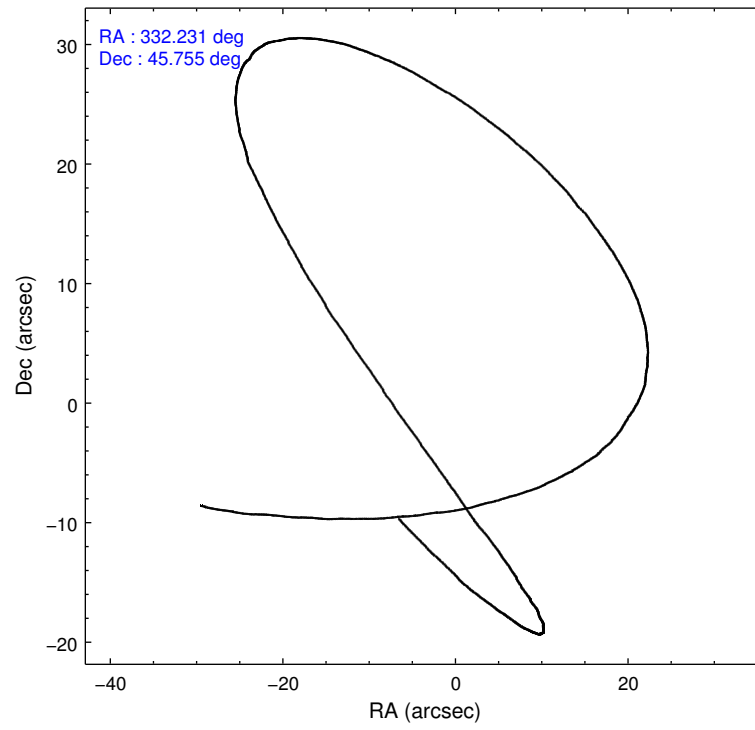
	segment 1	segment 2	segment 3
level 1 events	685	82563	672
rejected events	685	19117	672
rejected %	100%	23%	100%

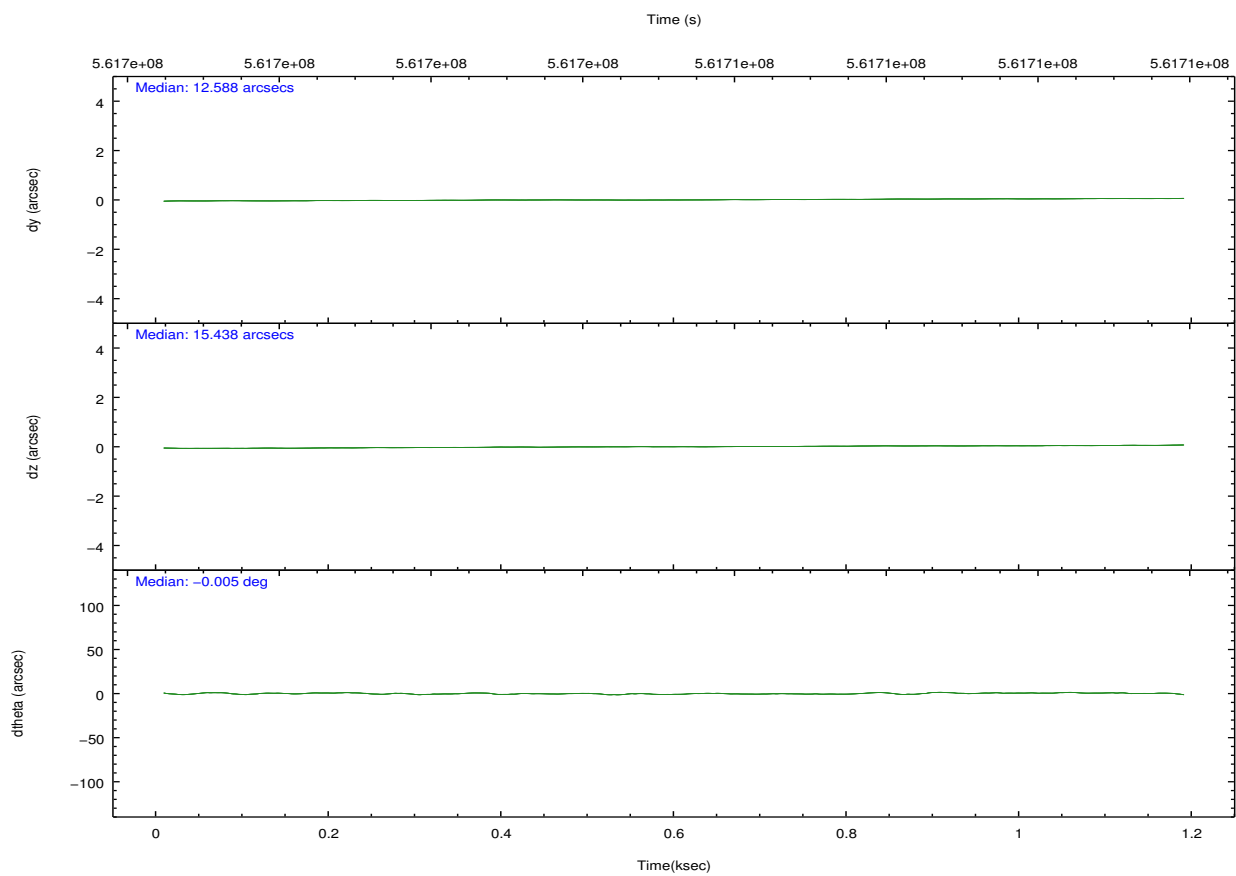
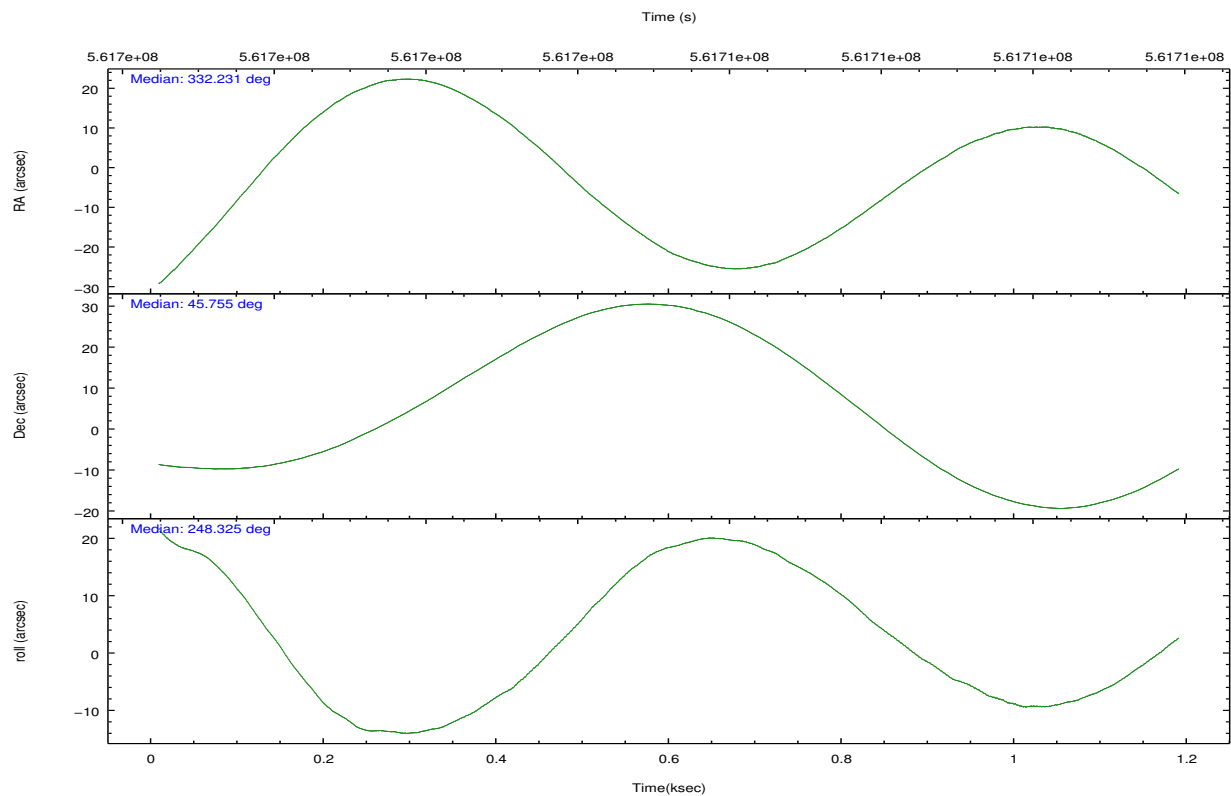
2.2 Compared Parameters

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	332.221463	332.230678329141
[deg] Pointing Dec	45.784698	45.75558237556923
[deg] Pointing Roll	248.268226	248.3289882137159
[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)	561704703.184000	561704327.30858
Observation start date	2015-10-20T05:03:55	2015-10-20T04:58:47
[s] Observation end time (MET)	561705703.184000	561705837.13366
Observation end date	2015-10-20T05:20:35	2015-10-20T05:23:57

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

2.3 Aspect



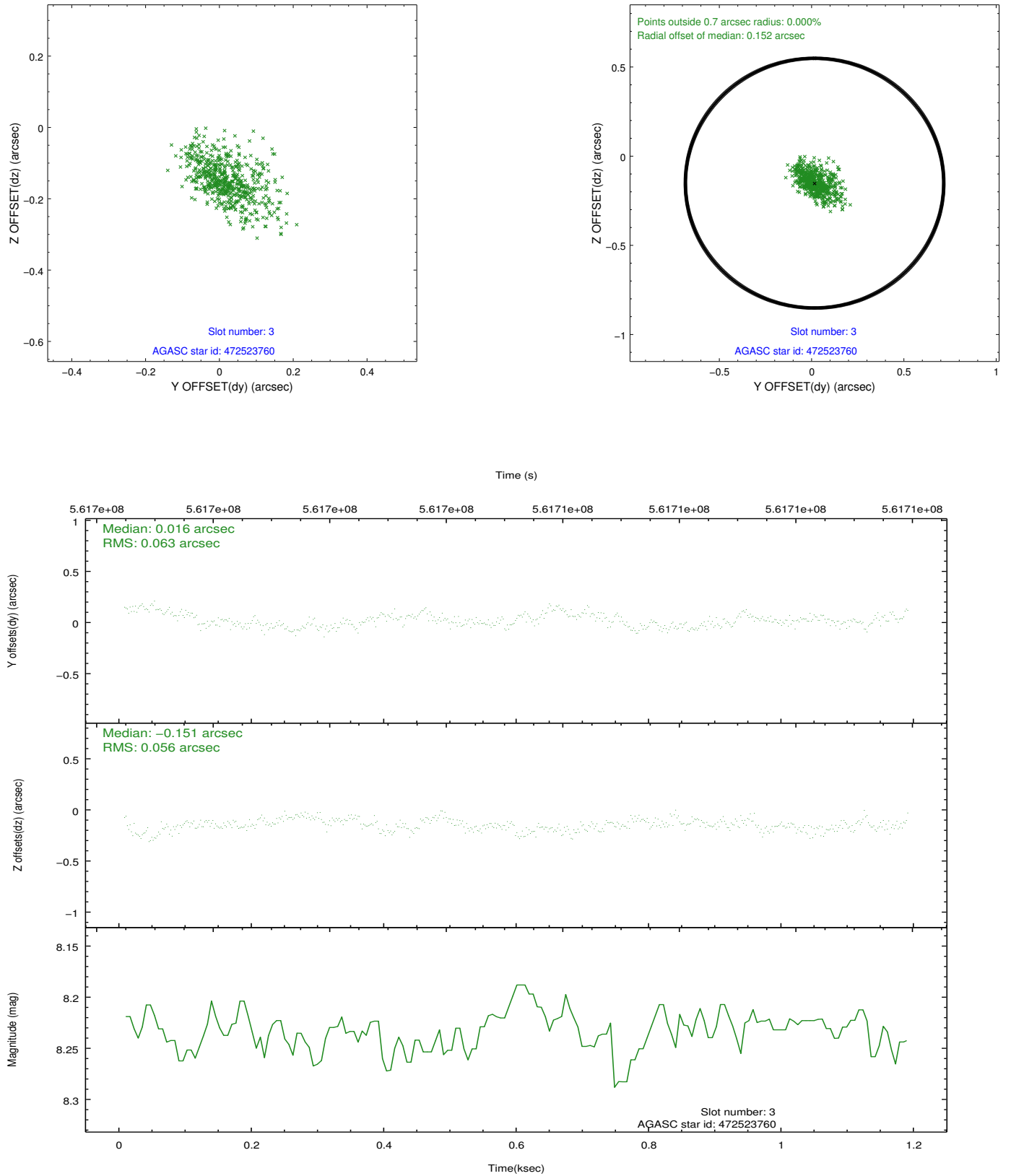


Slot Statistics

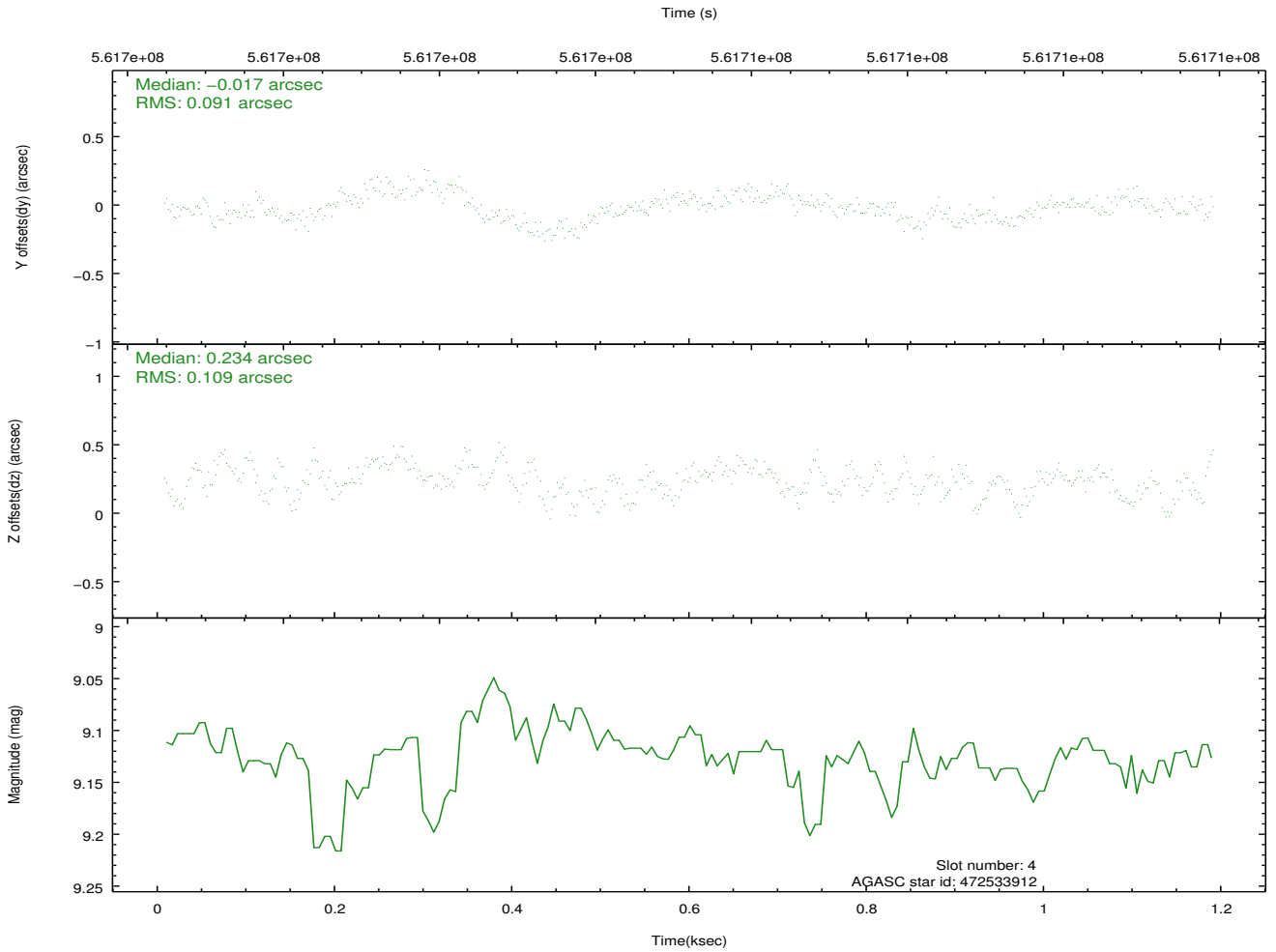
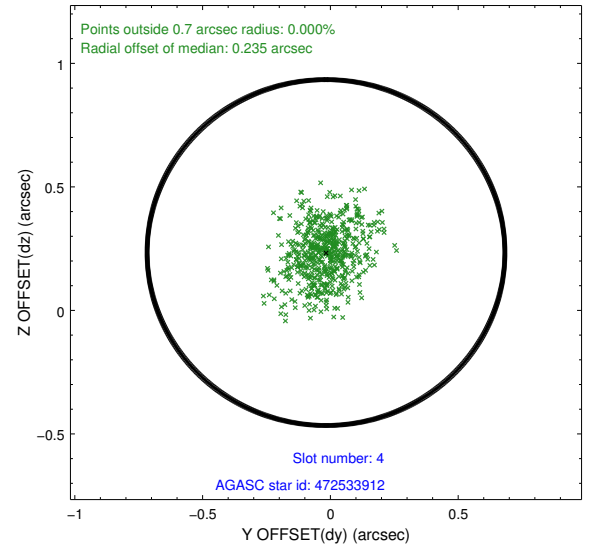
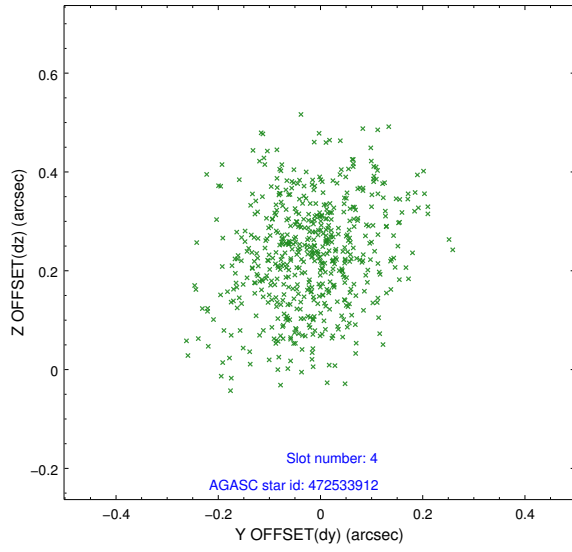
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.01	289	0.001	-0.205	0.008	0.012	0.000000	0.000000	-1166.98	-464.36
1	FID		HRC-S-2	7.00	289	0.364	-0.145	0.004	0.008	0.000000	0.000000	1229.00	-458.50
2	FID		HRC-S-3	7.01	289	0.025	0.047	0.007	0.011	0.000000	0.000000	-1165.45	563.82
3	GUIDE	used	472523760	8.23	578	0.016	-0.151	0.086	0.152	331.645363	45.403260	1809.05	-849.97
4	GUIDE	used	472533912	9.12	578	-0.017	0.234	0.155	0.244	331.791136	46.368695	-1557.72	-1777.51
5	GUIDE	used	472655152	9.41	577	0.062	-0.141	0.166	0.274	332.504239	45.862991	-529.06	546.99
6	GUIDE	used	472665256	8.99	577	0.059	-0.138	0.110	0.183	332.808125	46.195041	-1920.54	806.10
7	GUIDE	used	472525528	6.66	577	-0.117	0.201	0.071	0.116	331.551102	45.248694	2410.56	-868.38

2.4 Star Slots

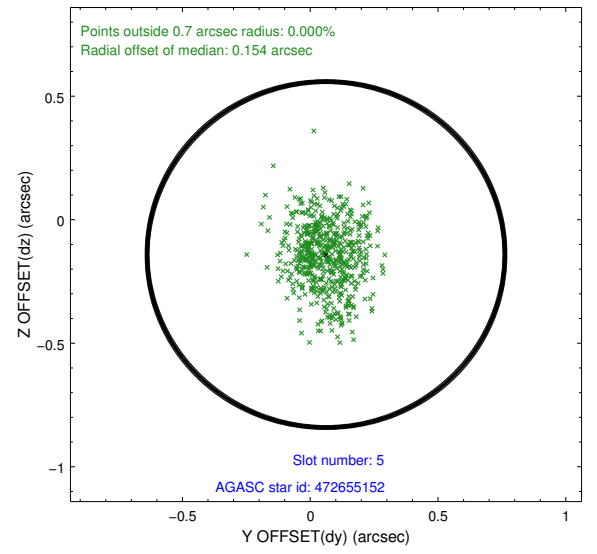
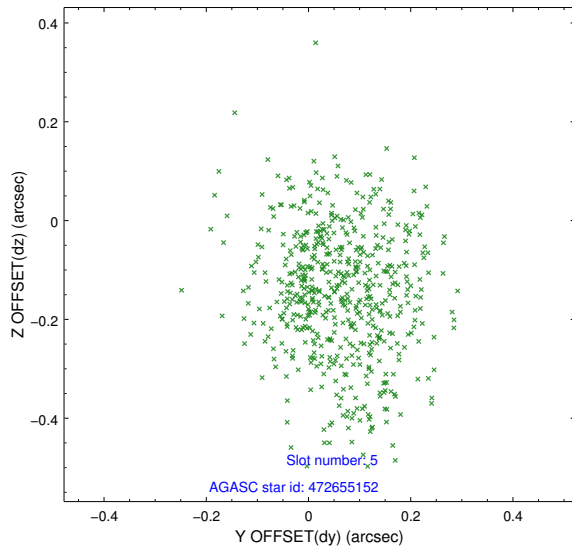
2.4.1 Slot 3



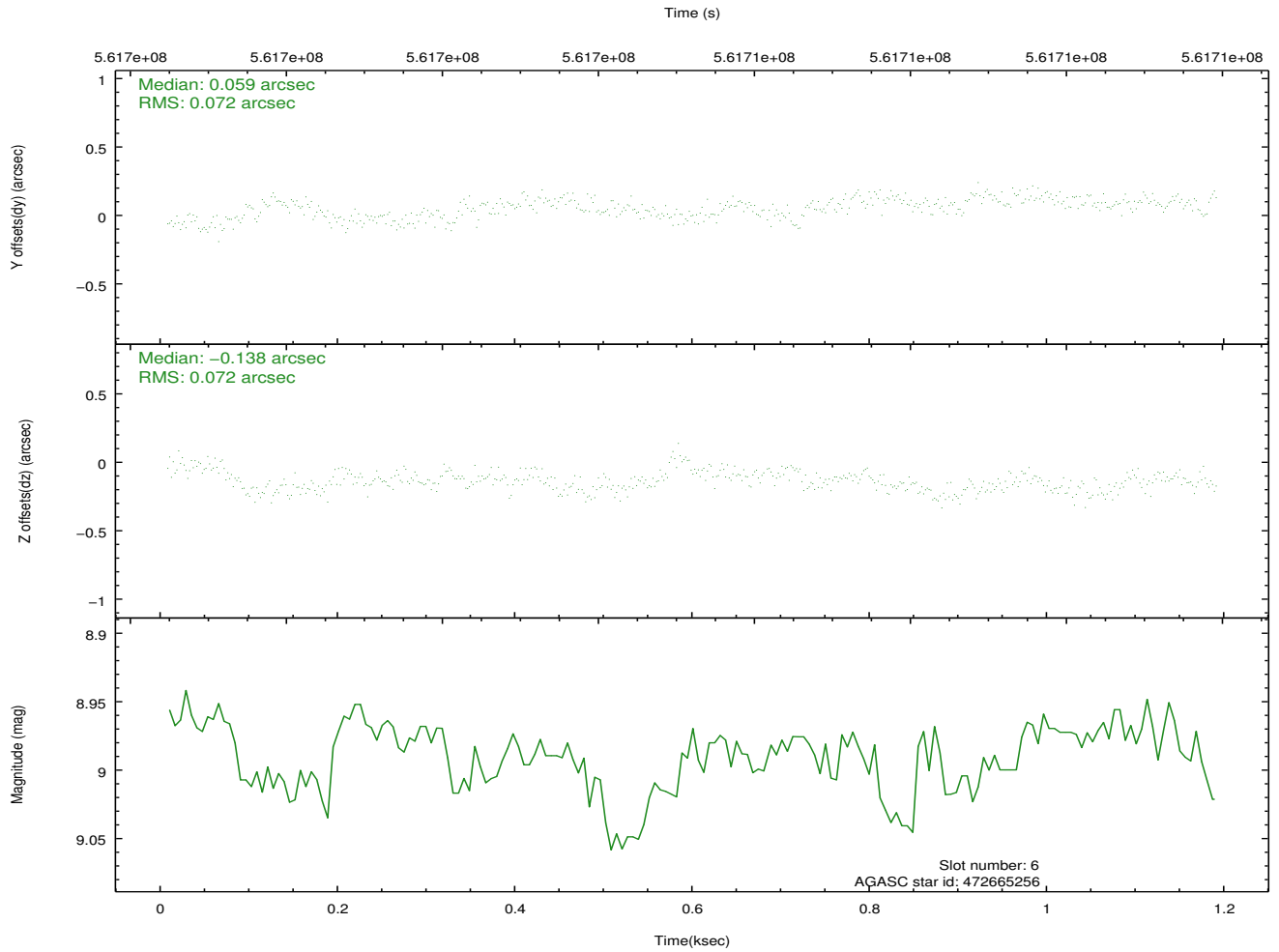
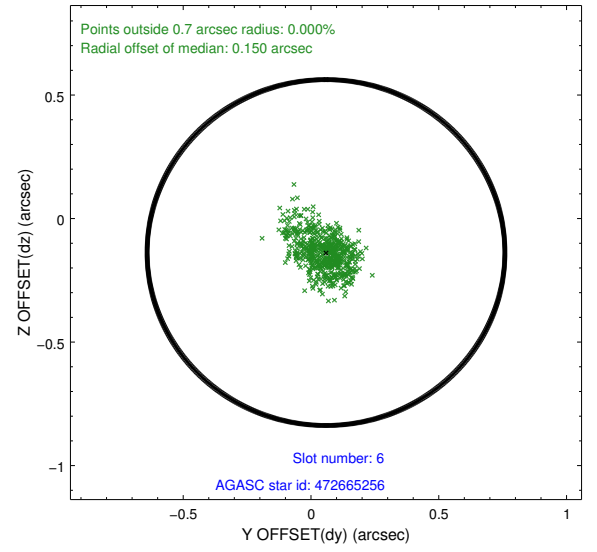
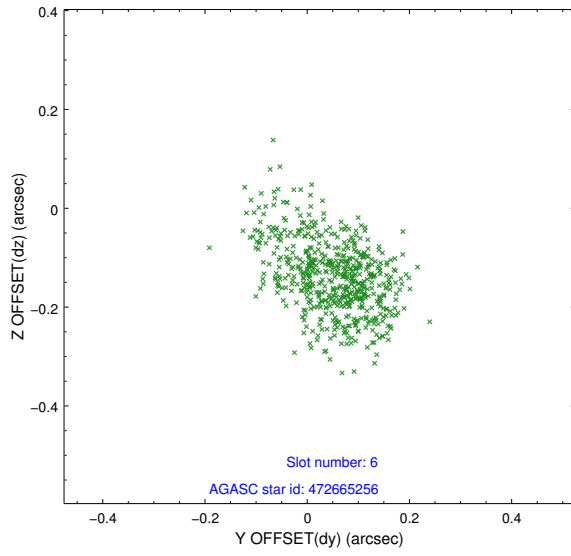
2.4.2 Slot 4



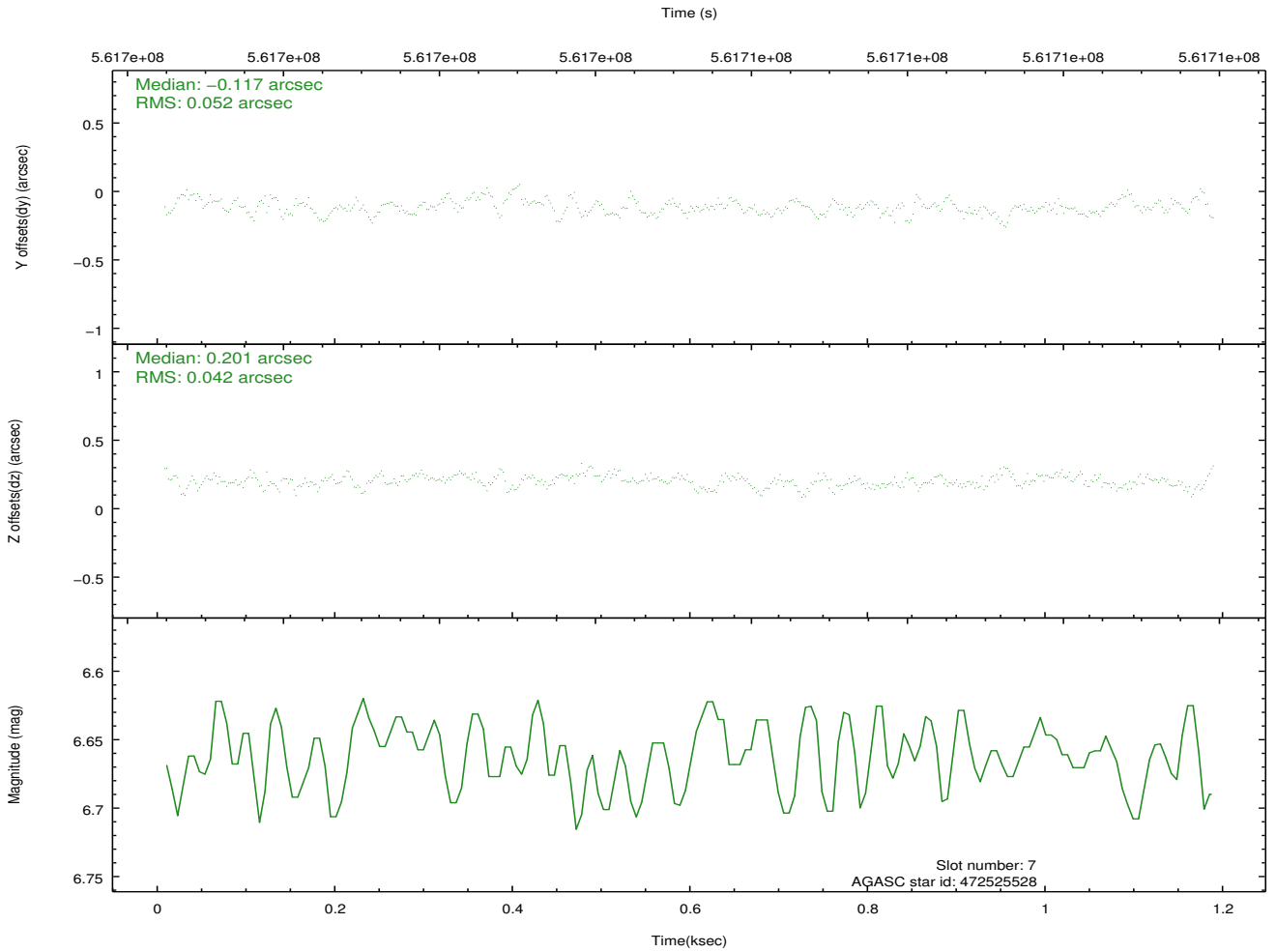
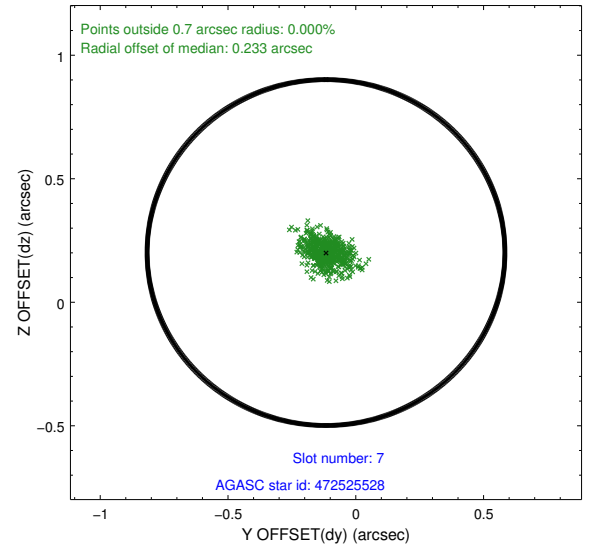
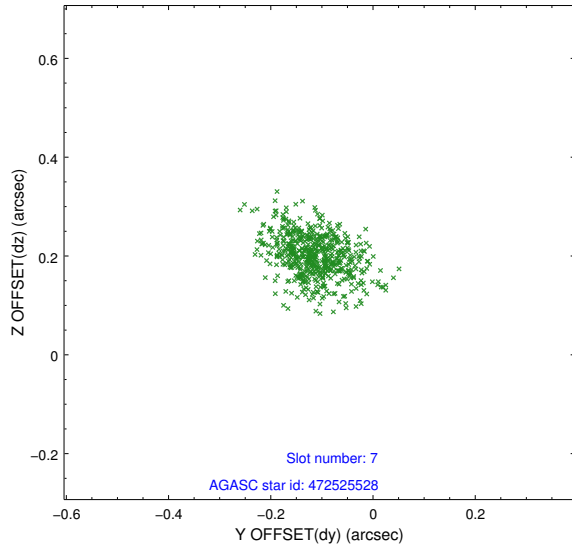
2.4.3 Slot 5



2.4.4 Slot 6

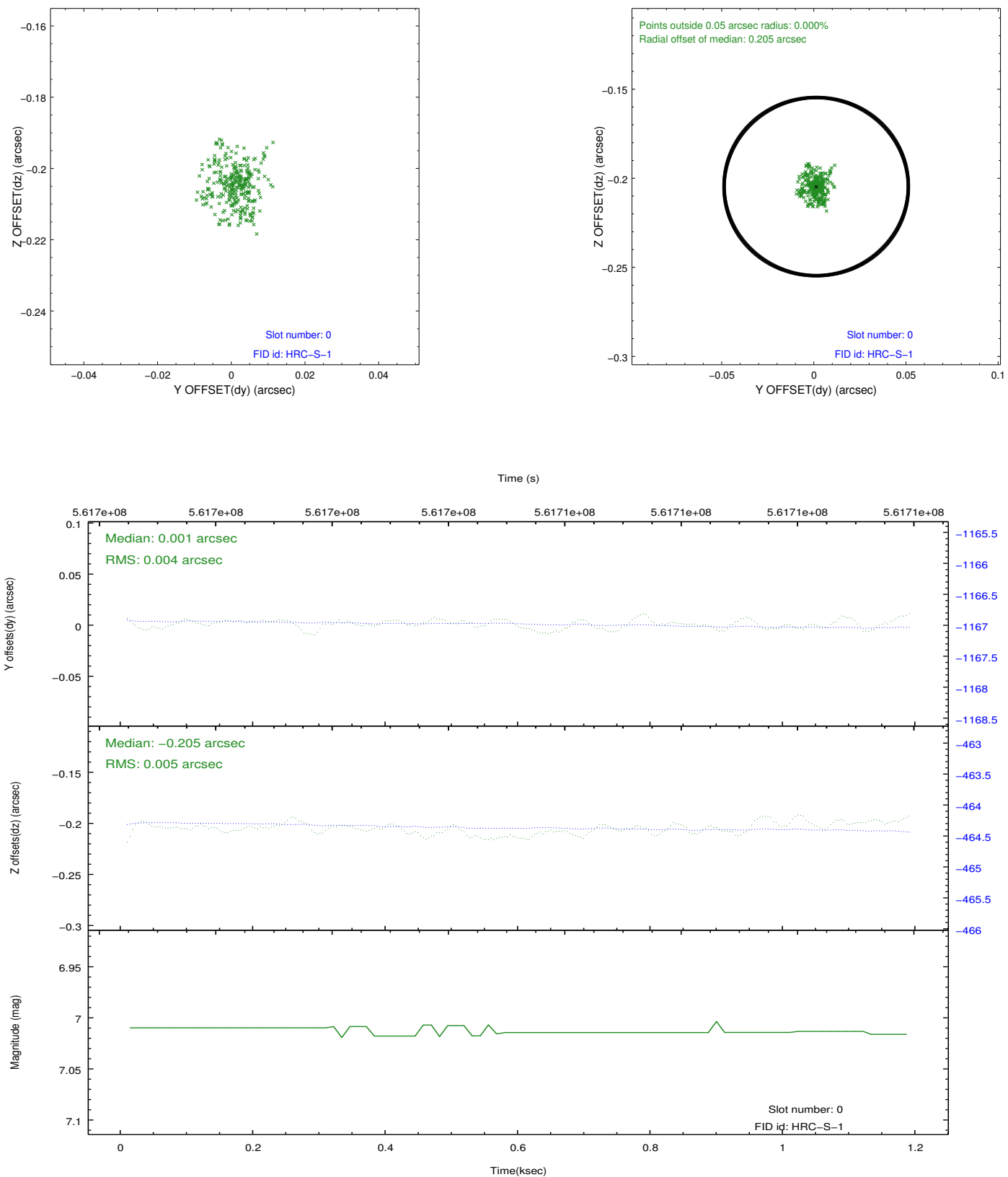


2.4.5 Slot 7

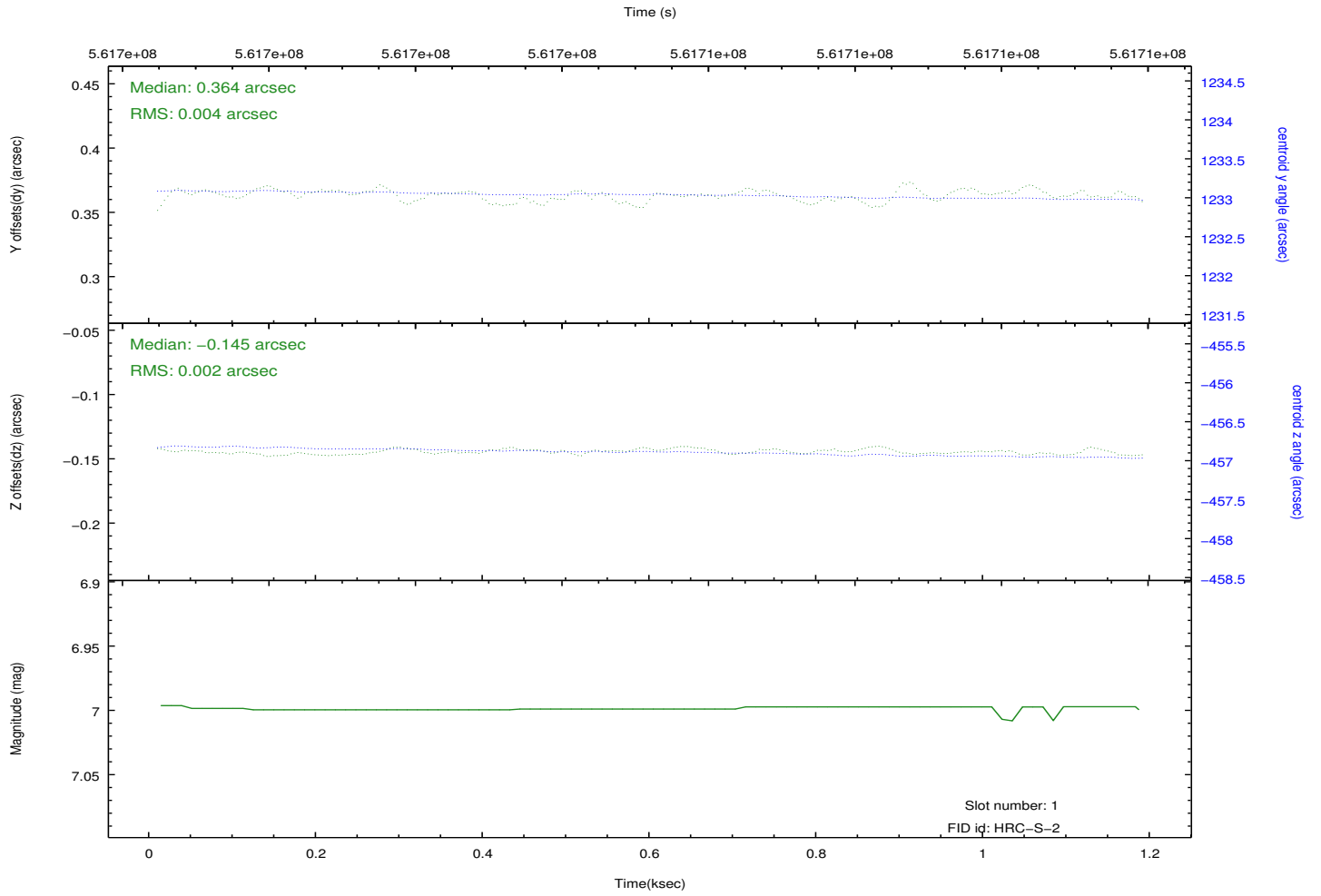
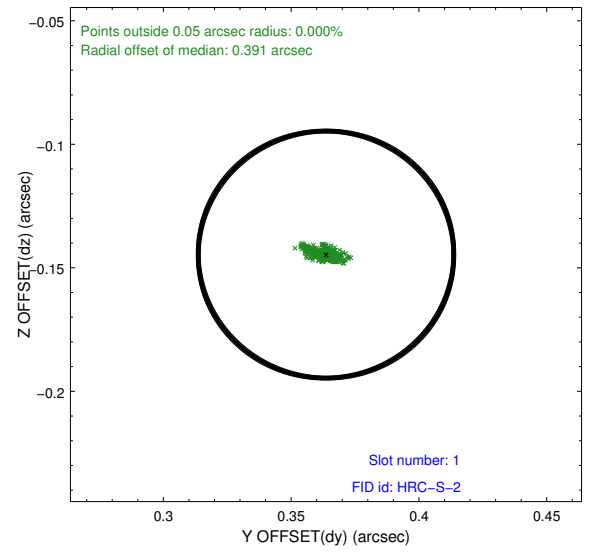
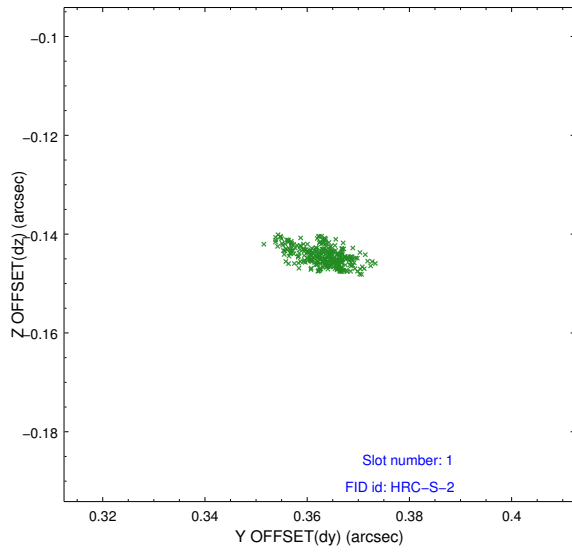


2.5 FID Slots

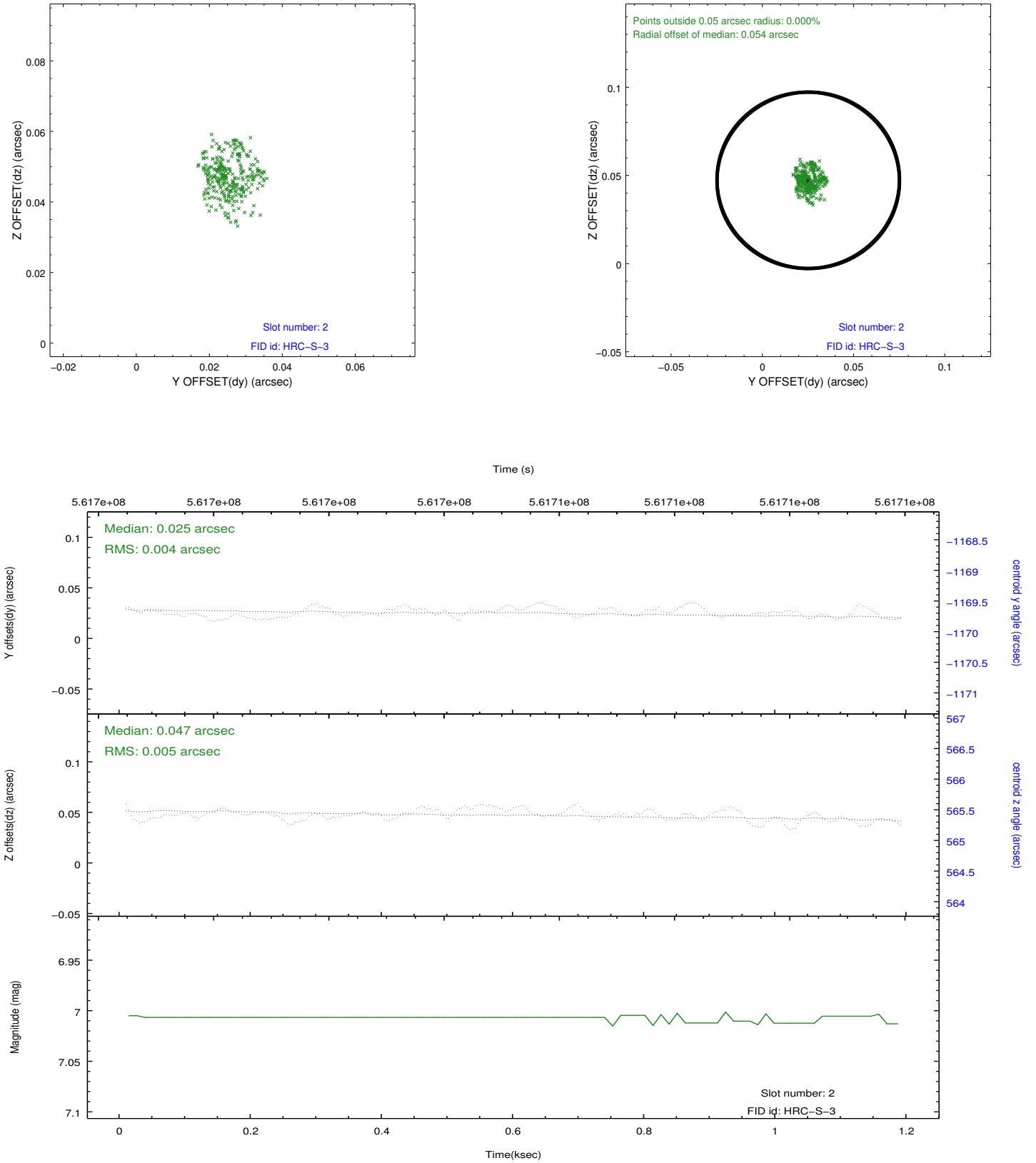
2.5.1 Slot 0



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	1.1531250653267

A.2 Comments