

V&V Reference Report

L2 ASCDS Version : 10.4.2.1

Observation 17338 - L2 Version 1
Chandra X-Ray Center

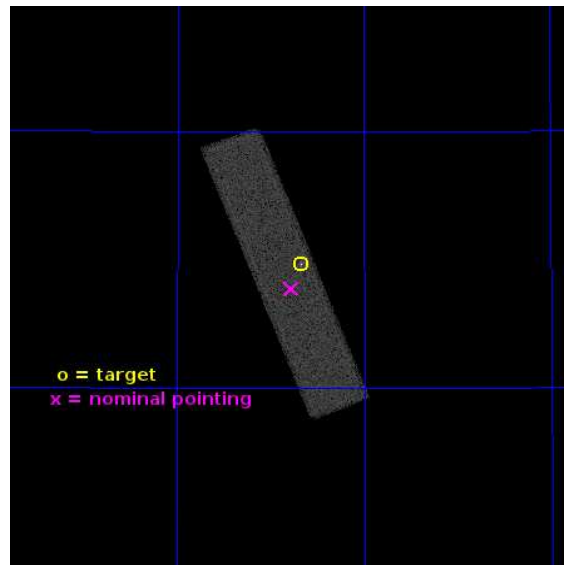
L2 Processing Date : Oct 20 2015

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

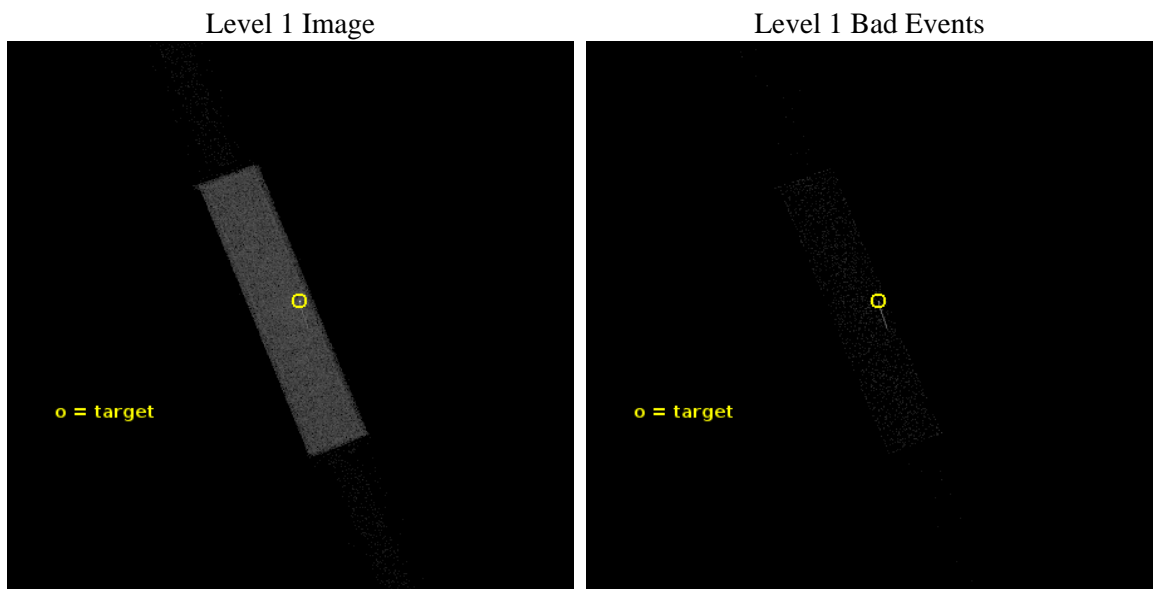
seq_num	291211	Sequence number
obs_id	17338	Observation id
title	AO-16 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.19493129791	Nominal RA [deg]
dec_nom	45.694219463153	Nominal Dec [deg]
roll_nom	248.45852300209	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1155.4313154221	[s]
livetime	1148.2352440077	Ontime multiplied by DTCOR
l2events	54344	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	1155.4313154221	[s]
caldbver	4.6.10a	 	l1events	84134	Number of level 1 events
date	2015-10-20T22:42:22	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

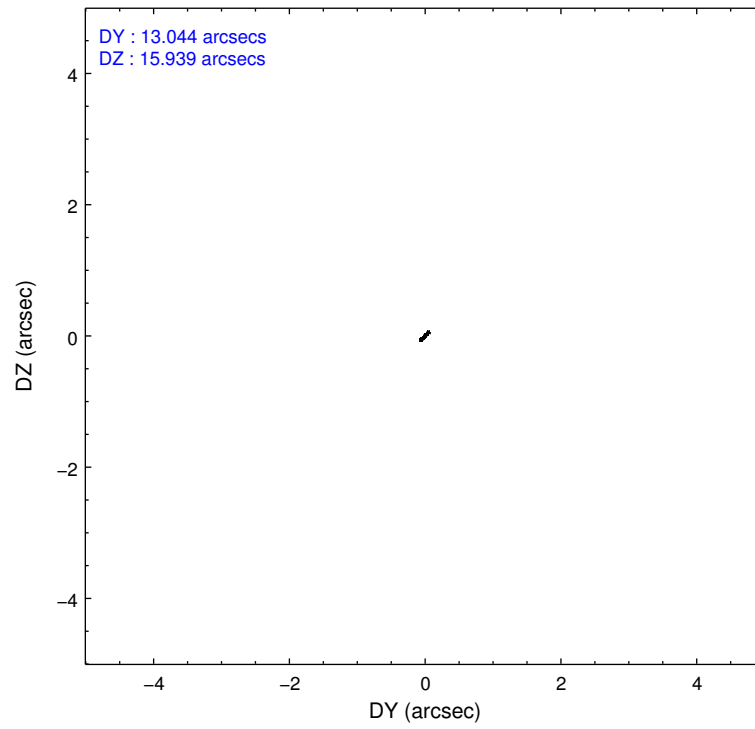
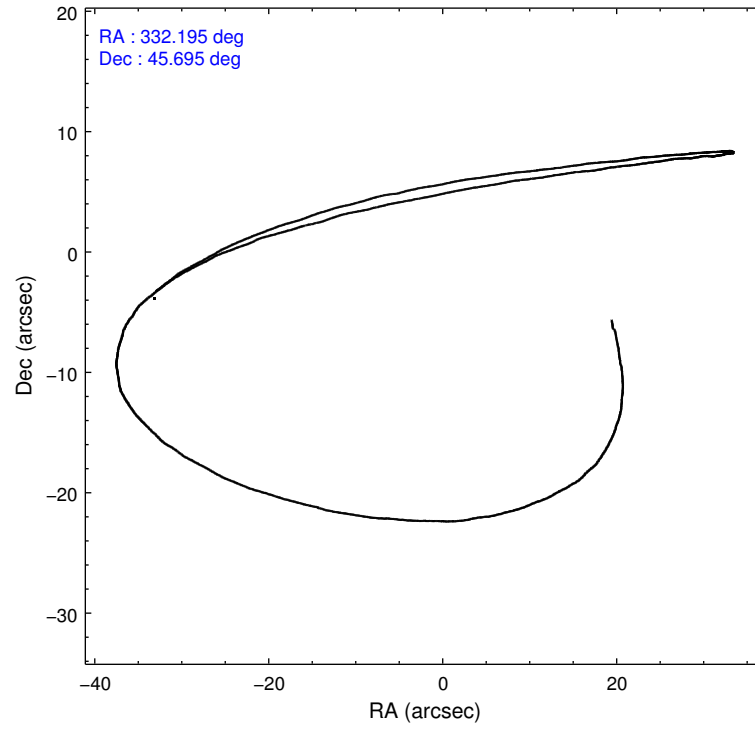
	segment 1	segment 2	segment 3
level 1 events	794	82669	671
rejected events	794	18752	671
rejected %	100%	22%	100%

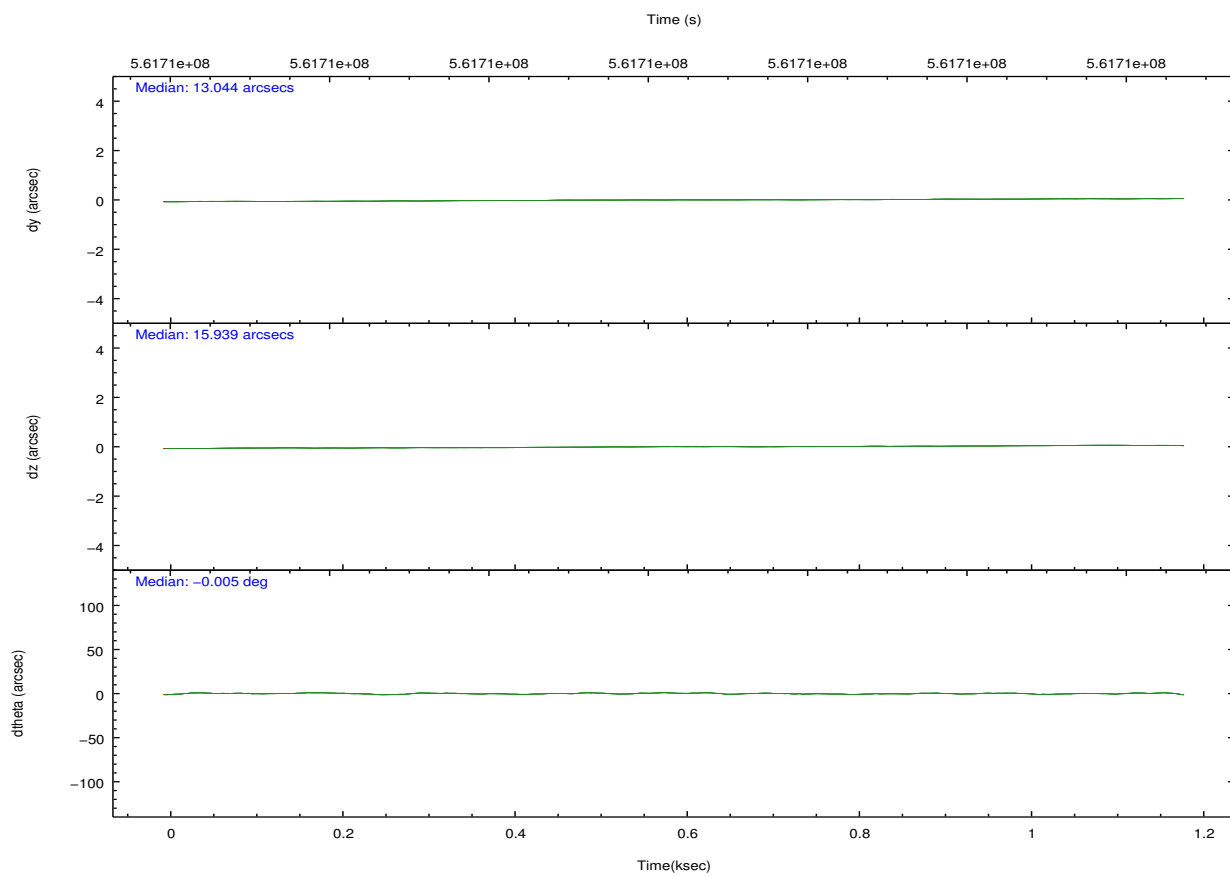
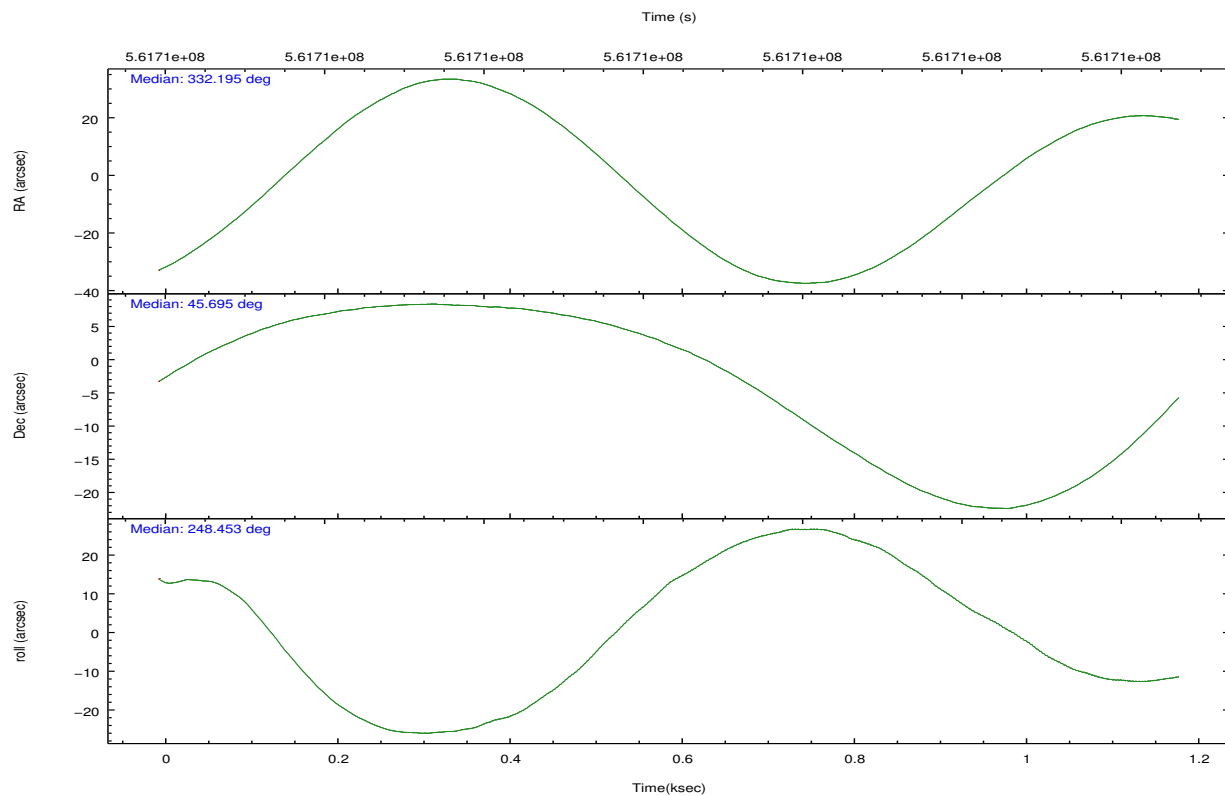
2.2 Compared Parameters

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	332.186151	332.1949312979079
[deg] Pointing Dec	45.722779	45.69421946315306
[deg] Pointing Roll	248.397580	248.4585230020884
[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)	561709233.184000	561708856.78383
Observation start date	2015-10-20T06:19:25	2015-10-20T06:14:16
[s] Observation end time (MET)	561710233.184000	561710367.12142
Observation end date	2015-10-20T06:36:05	2015-10-20T06:39:27

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

2.3 Aspect



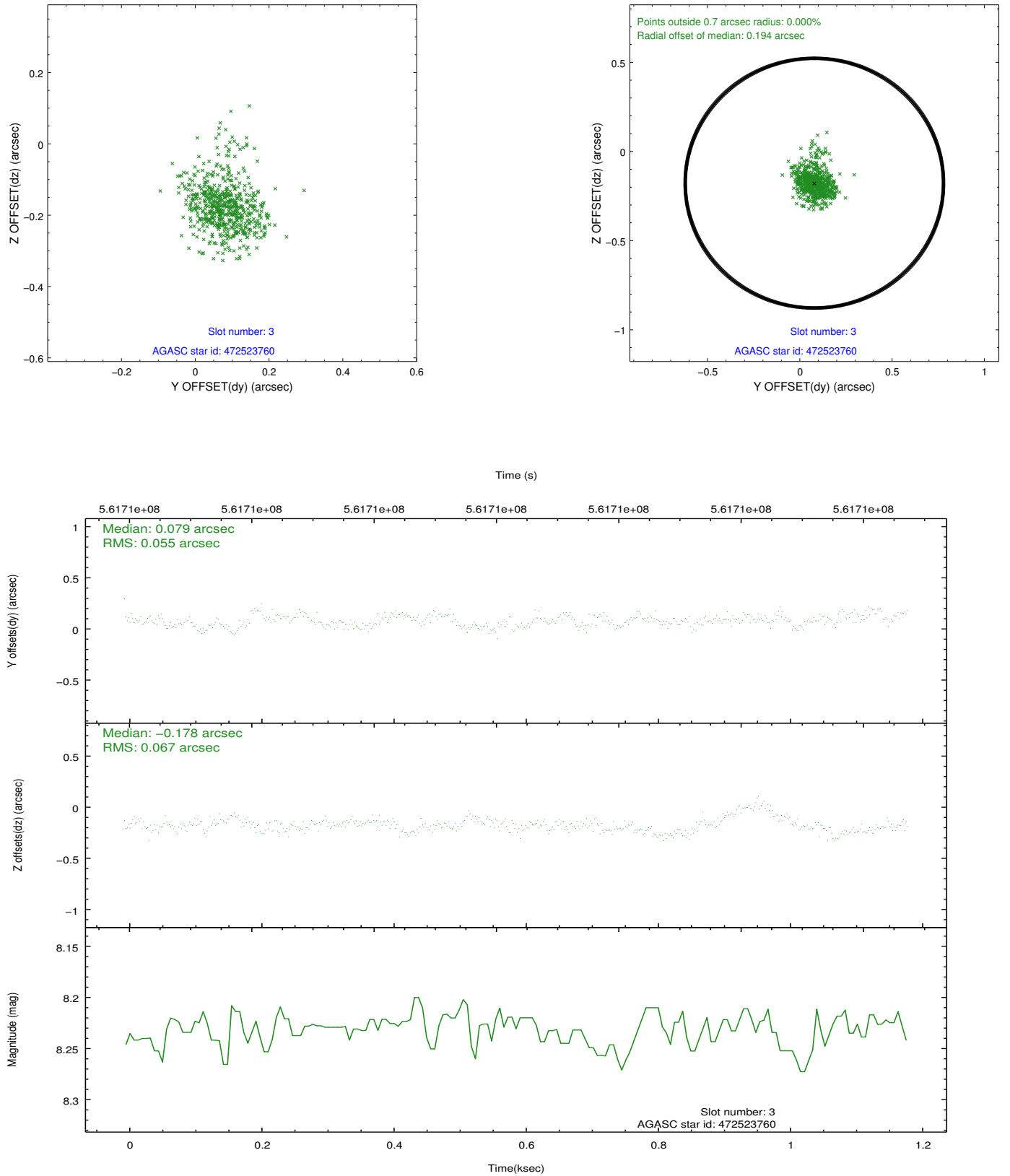


Slot Statistics

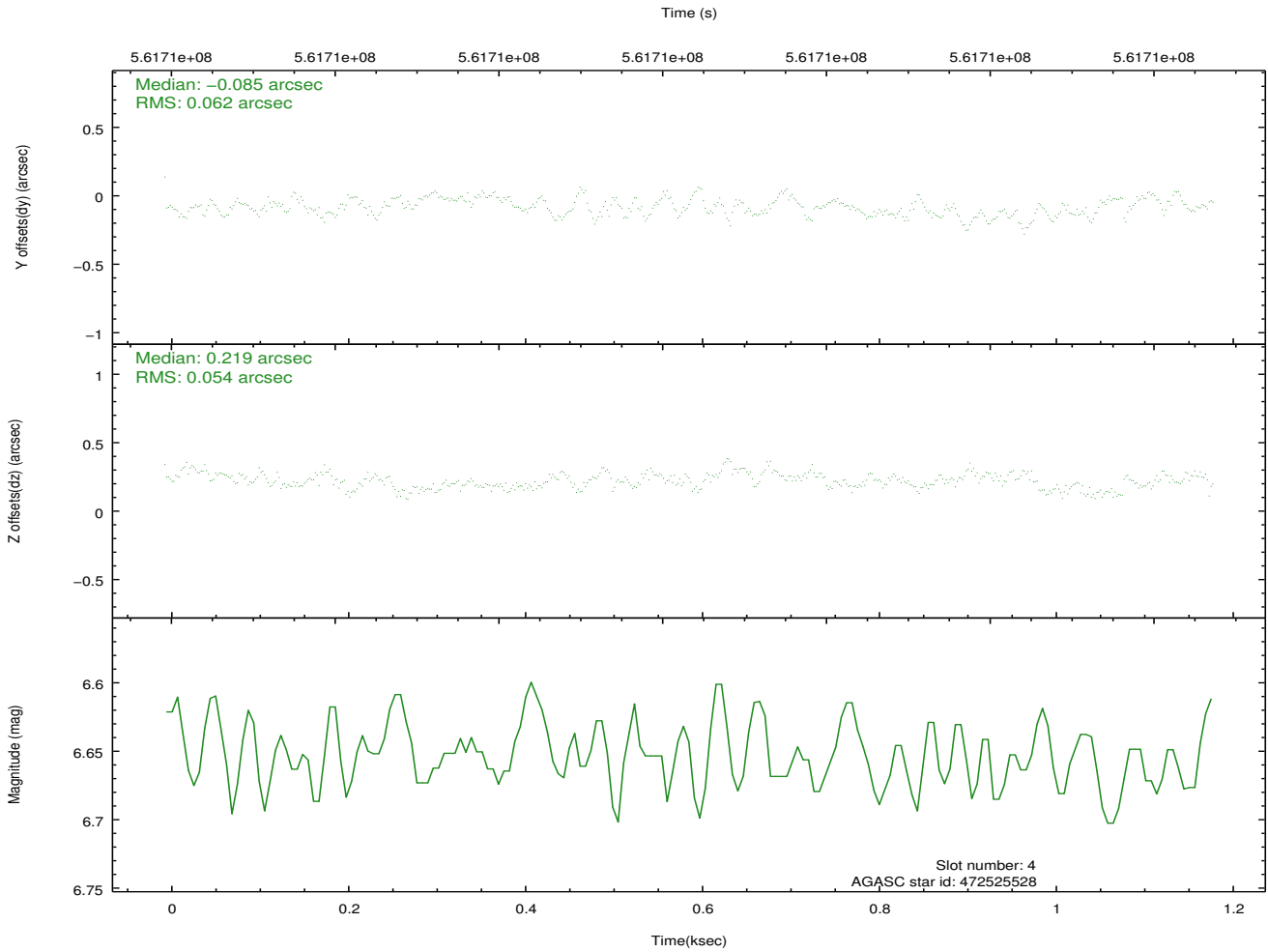
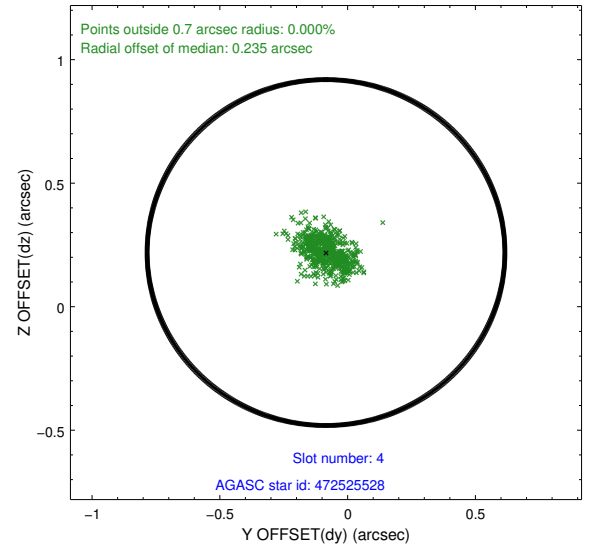
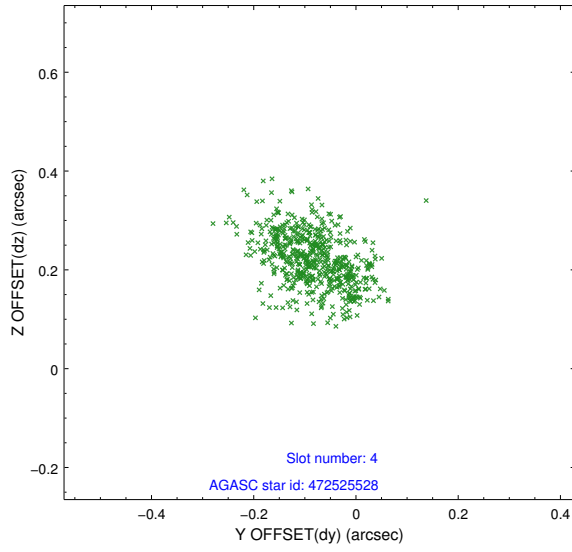
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.02	290	-0.002	-0.196	0.006	0.011	0.000000	0.000000	-1167.44	-464.87
1	FID		HRC-S-2	7.00	290	0.352	-0.138	0.004	0.010	0.000000	0.000000	1228.55	-459.00
2	FID		HRC-S-3	7.01	290	0.040	0.032	0.006	0.013	0.000000	0.000000	-1165.91	563.30
3	GUIDE	used	472523760	8.23	579	0.079	-0.178	0.089	0.154	331.645363	45.403260	1569.01	-850.95
4	GUIDE	used	472525528	6.65	579	-0.085	0.219	0.088	0.135	331.551102	45.248694	2176.47	-873.27
5	GUIDE	used	472533912	9.11	579	-0.075	0.191	0.144	0.251	331.791136	46.368695	-1798.90	-1772.54
6	GUIDE	used	472655152	9.40	578	-0.003	-0.118	0.151	0.258	332.504239	45.862991	-767.20	550.24
7	GUIDE	used	472665256	9.00	578	0.088	-0.122	0.098	0.168	332.808125	46.195041	-2158.03	811.90

2.4 Star Slots

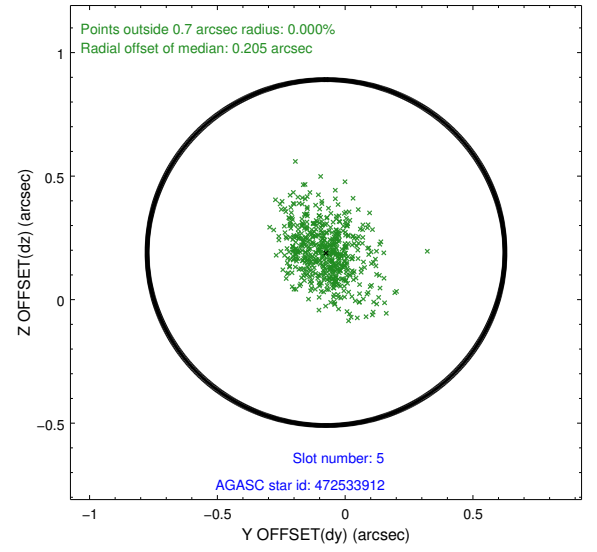
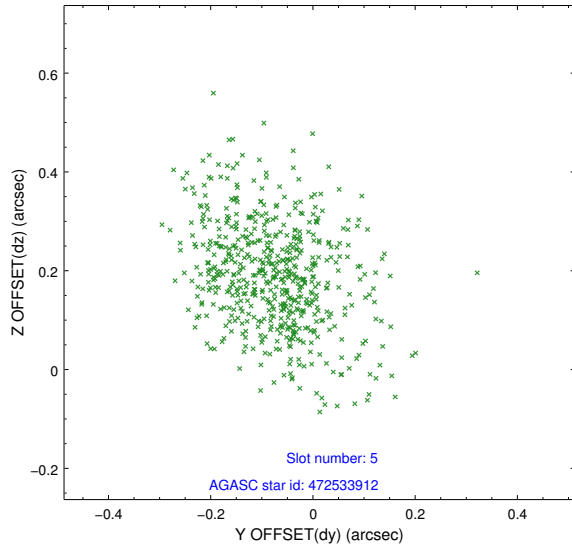
2.4.1 Slot 3



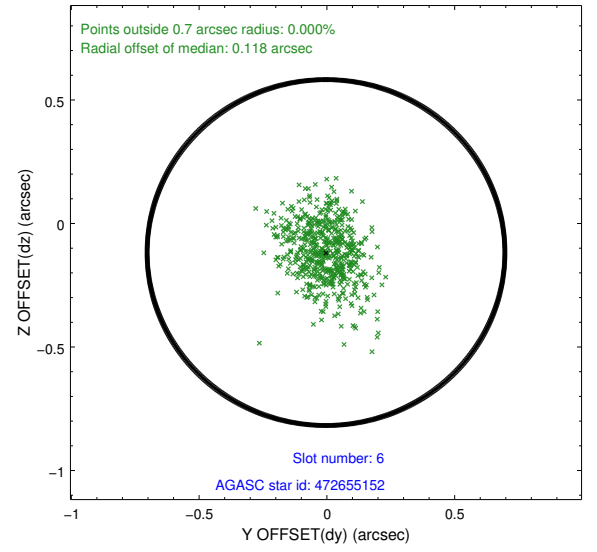
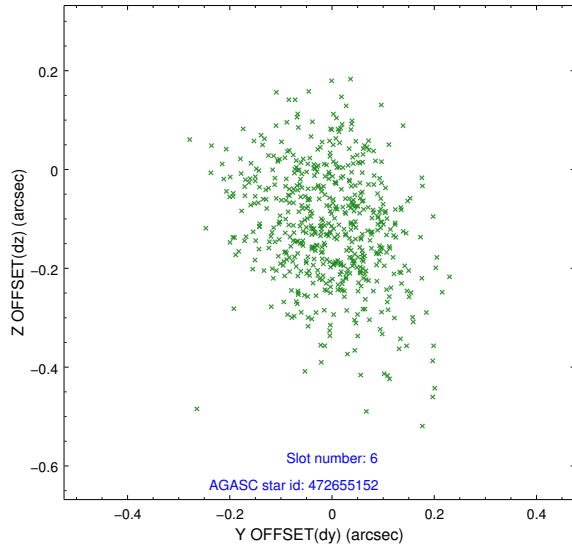
2.4.2 Slot 4



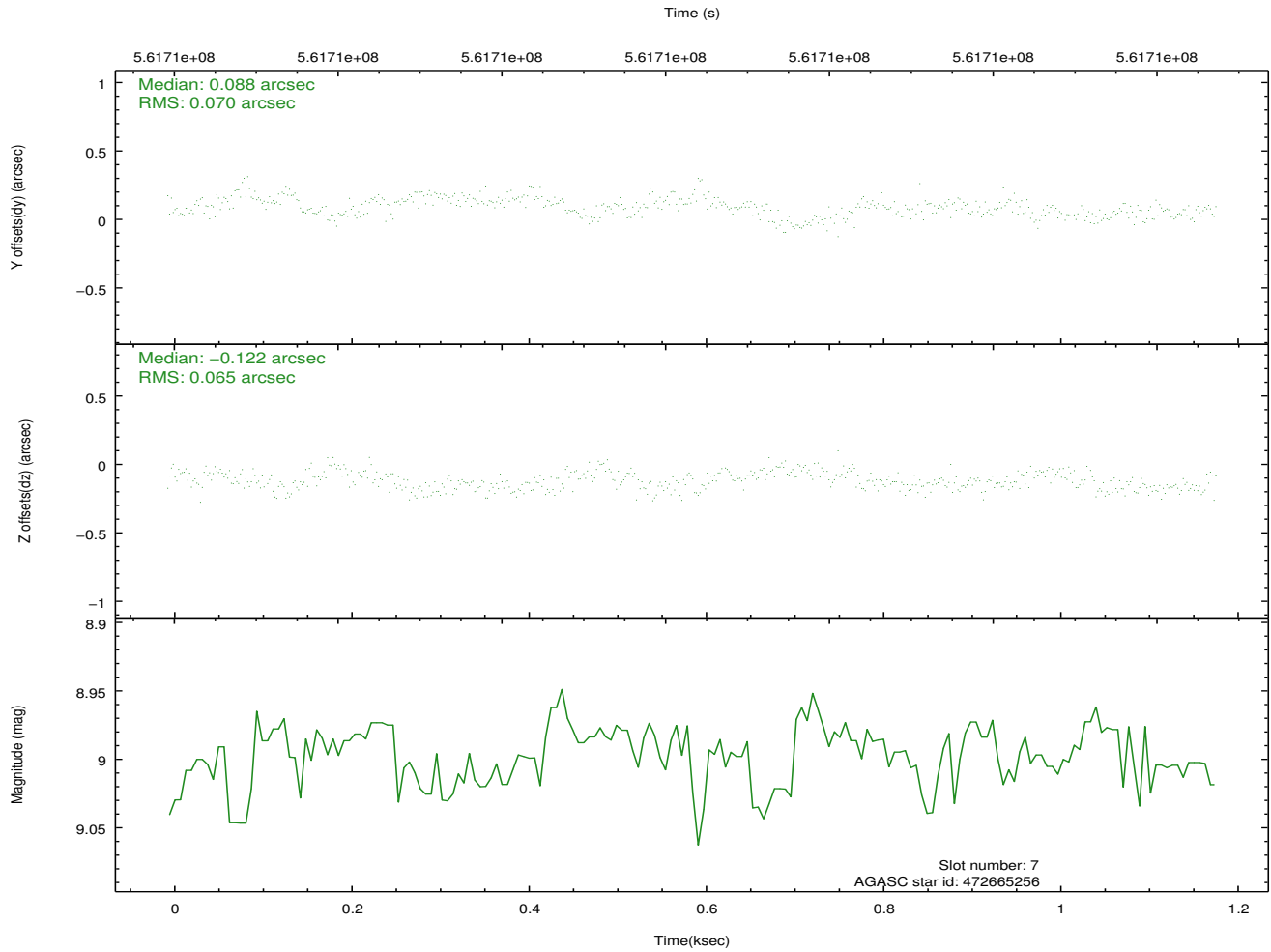
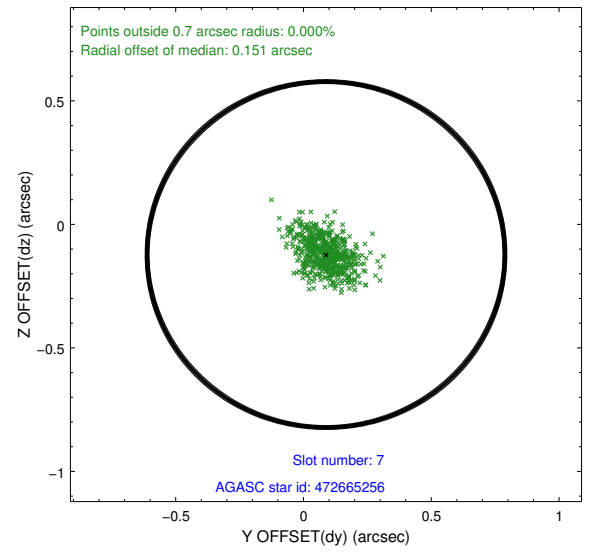
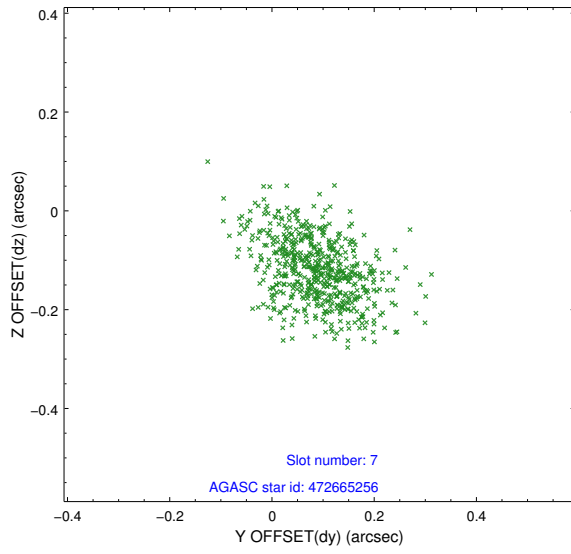
2.4.3 Slot 5



2.4.4 Slot 6

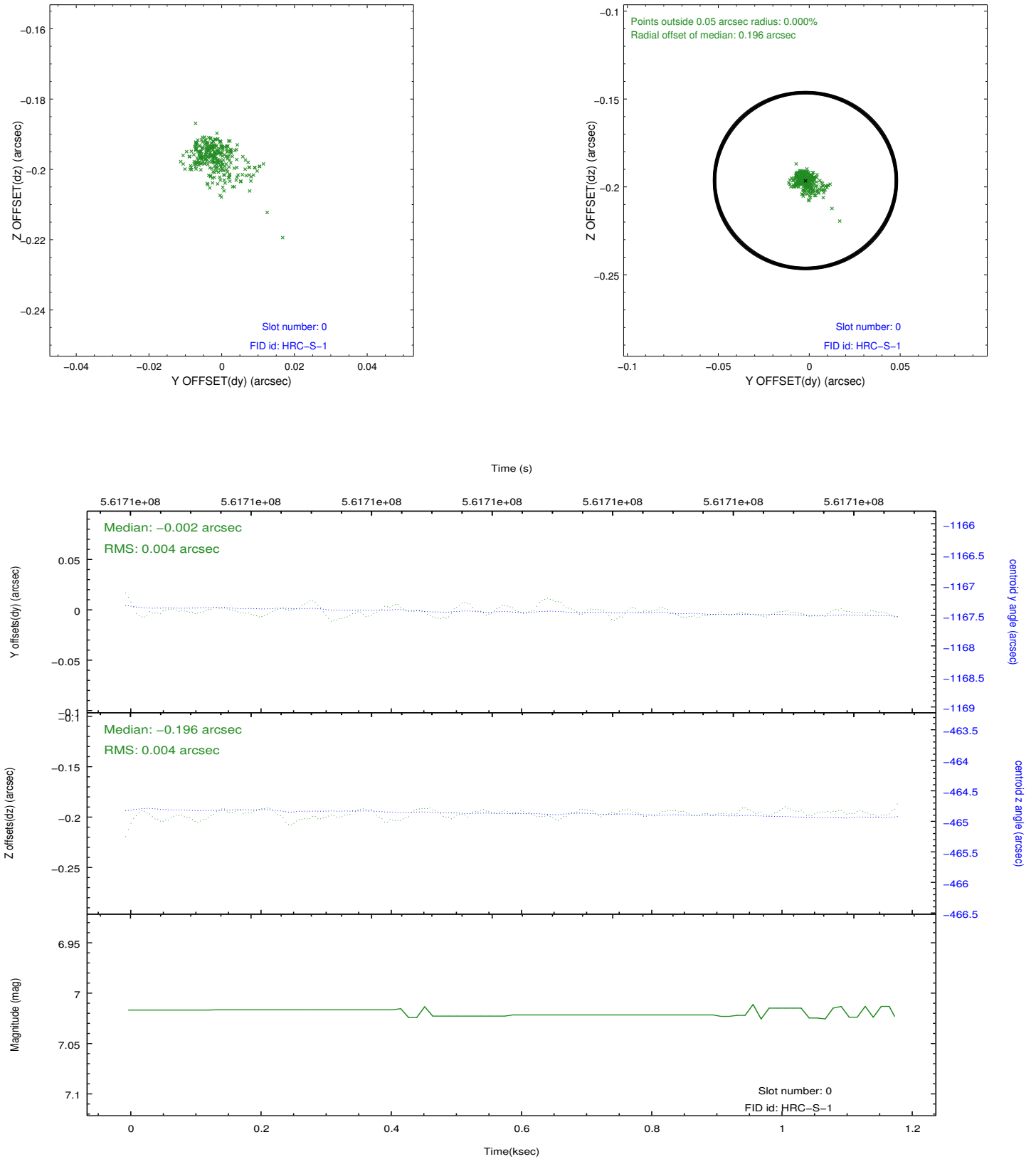


2.4.5 Slot 7

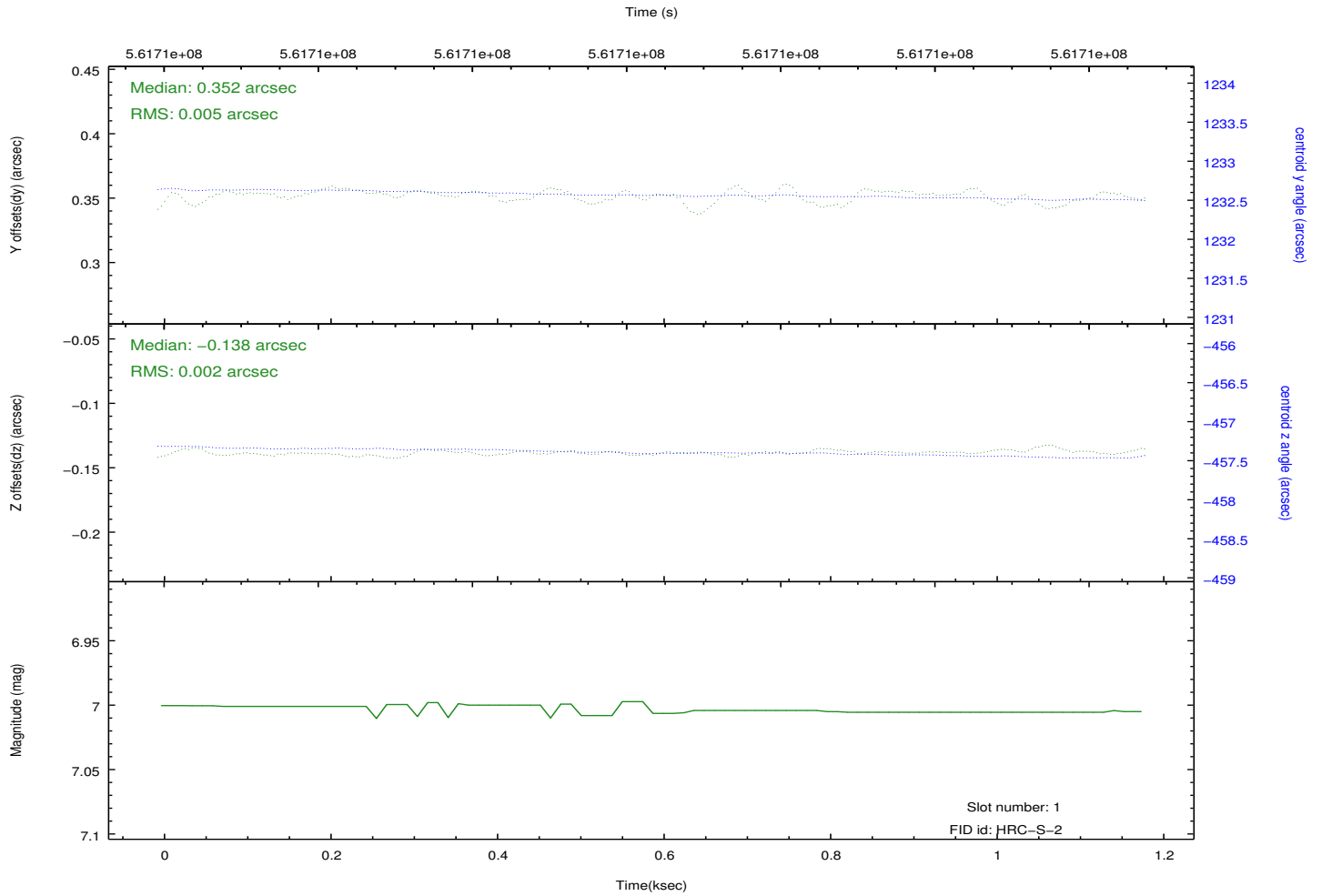
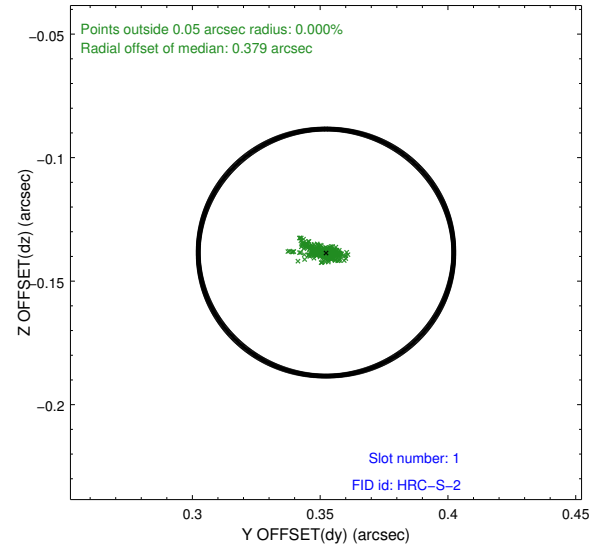
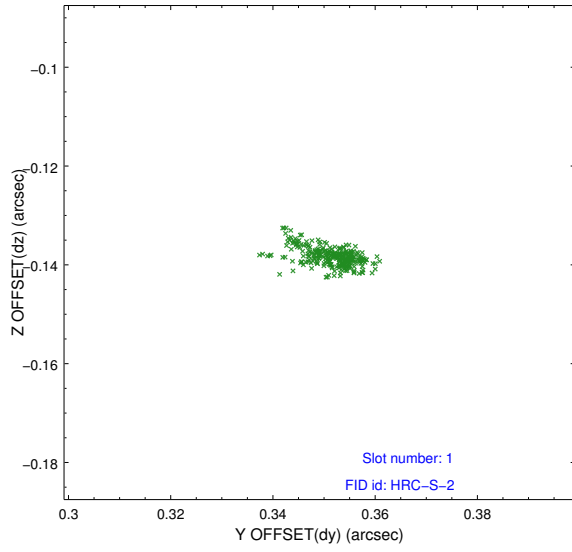


2.5 FID Slots

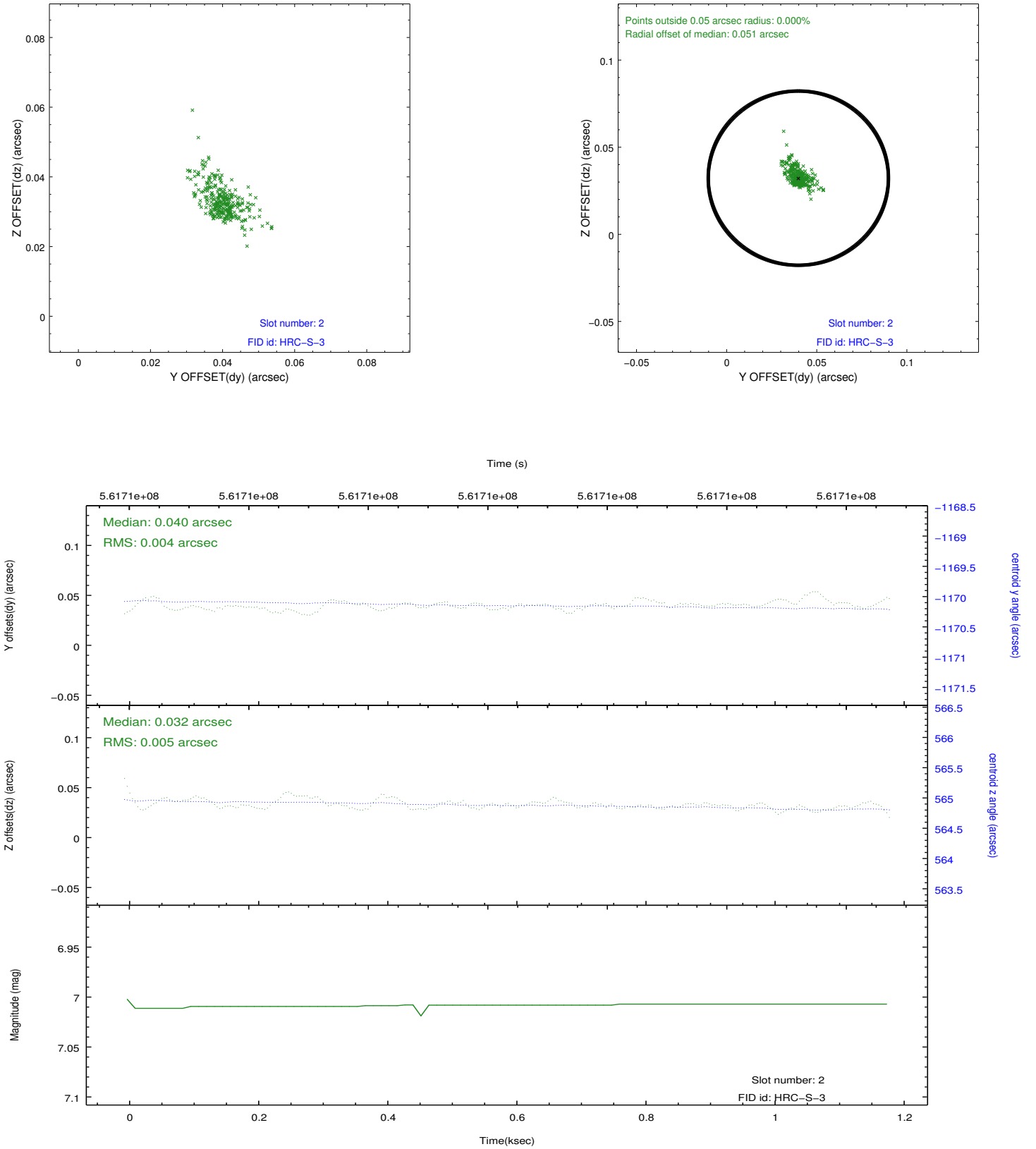
2.5.1 Slot 0



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	1.1554313154221

A.2 Comments