

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19825 - L2 Version 1
Chandra X-Ray Center

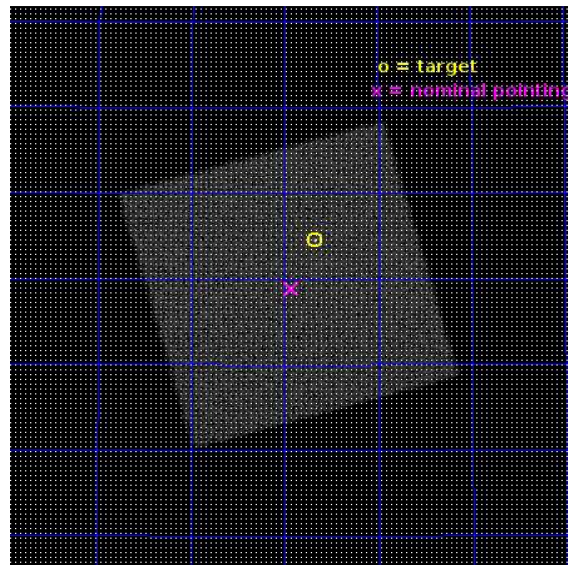
L2 Processing Date : Sep 17 2017

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1 Front

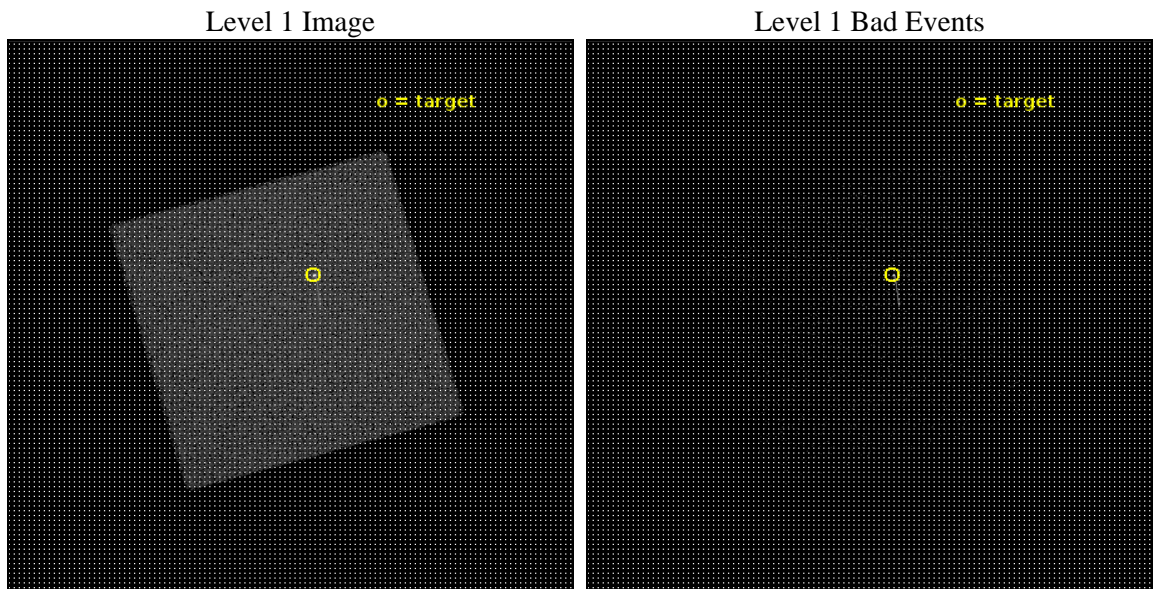
seq_num	291342	Sequence number
obs_id	19825	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.23281689226	Nominal RA [deg]
dec_nom	45.647880419561	Nominal Dec [deg]
roll_nom	209.0723558728	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1171.8313186169	[s]
livetime	1157.3445640417	Ontime multiplied by DTCOR
l2events	126515	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	10.6	Processing system revision	ontime	1171.8313186169	[s]
caldsver	4.7.6	 	l1events	212951	Number of level 1 events
date	2017-09-17T15:29:55	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

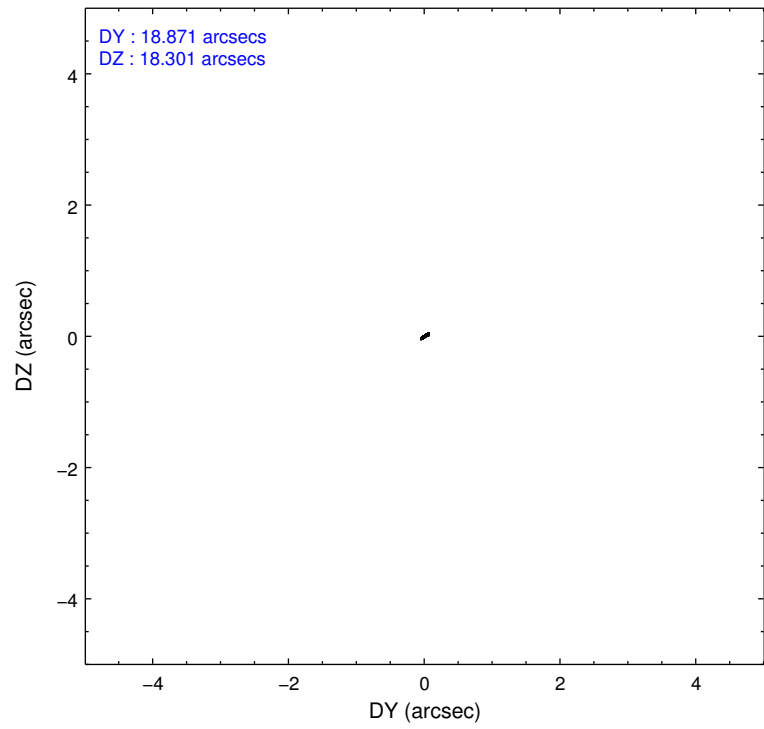
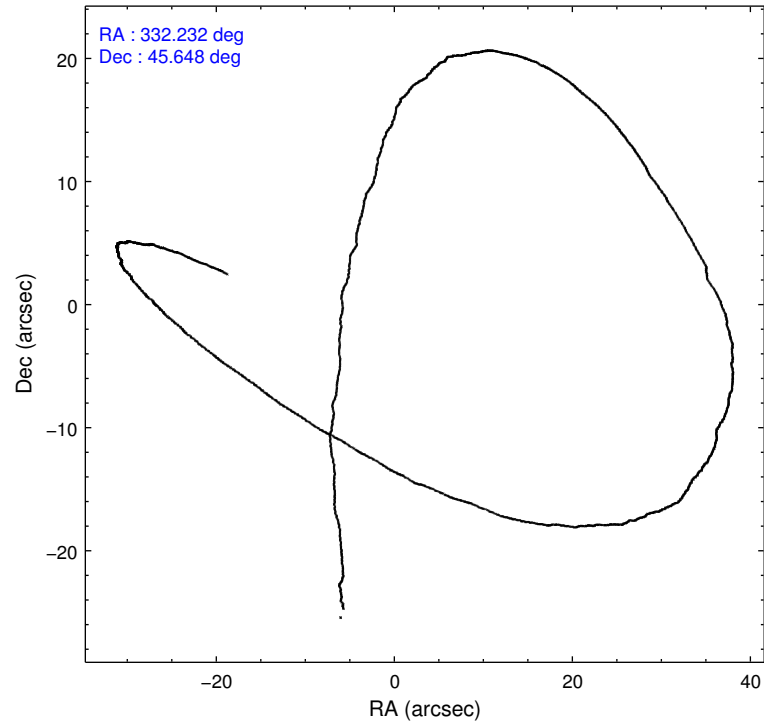
Level 1 Events

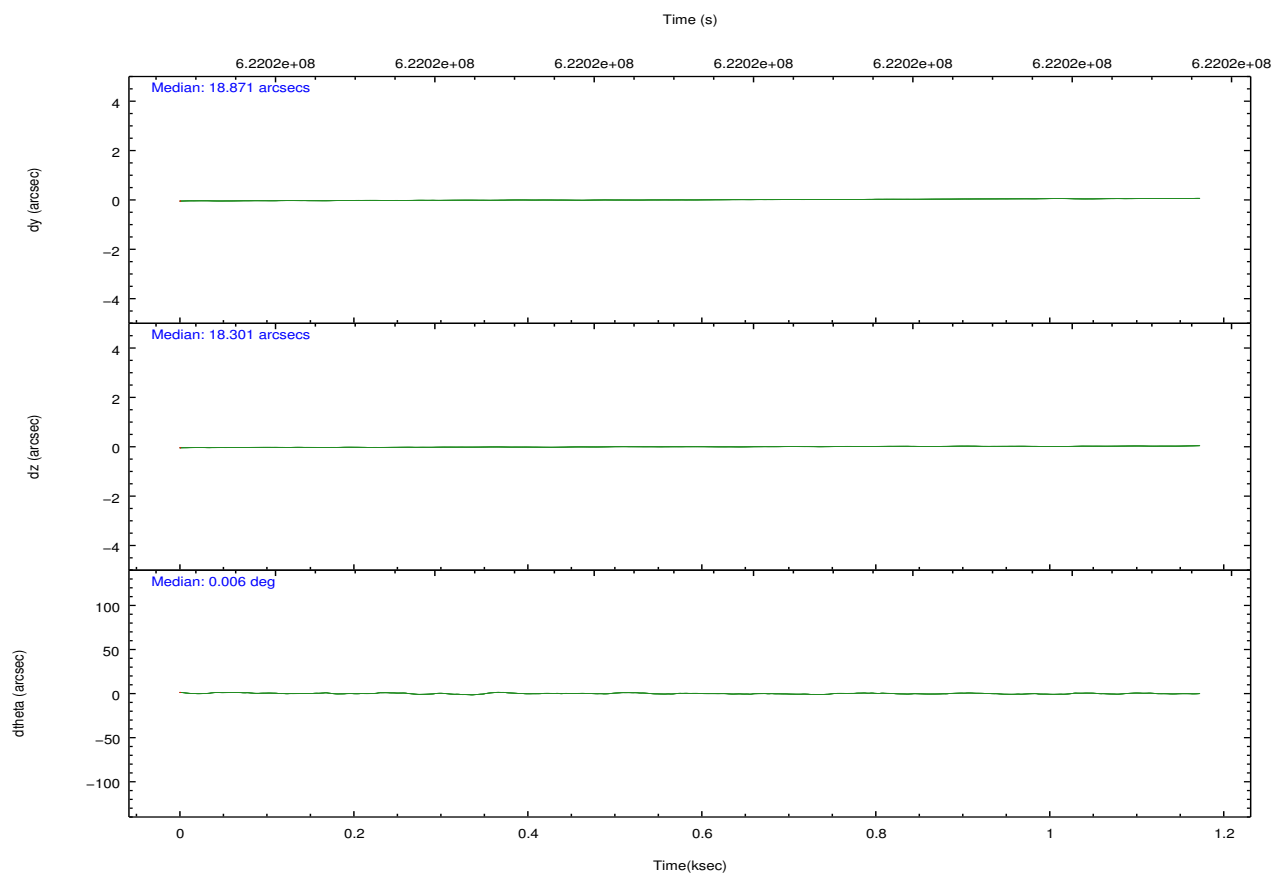
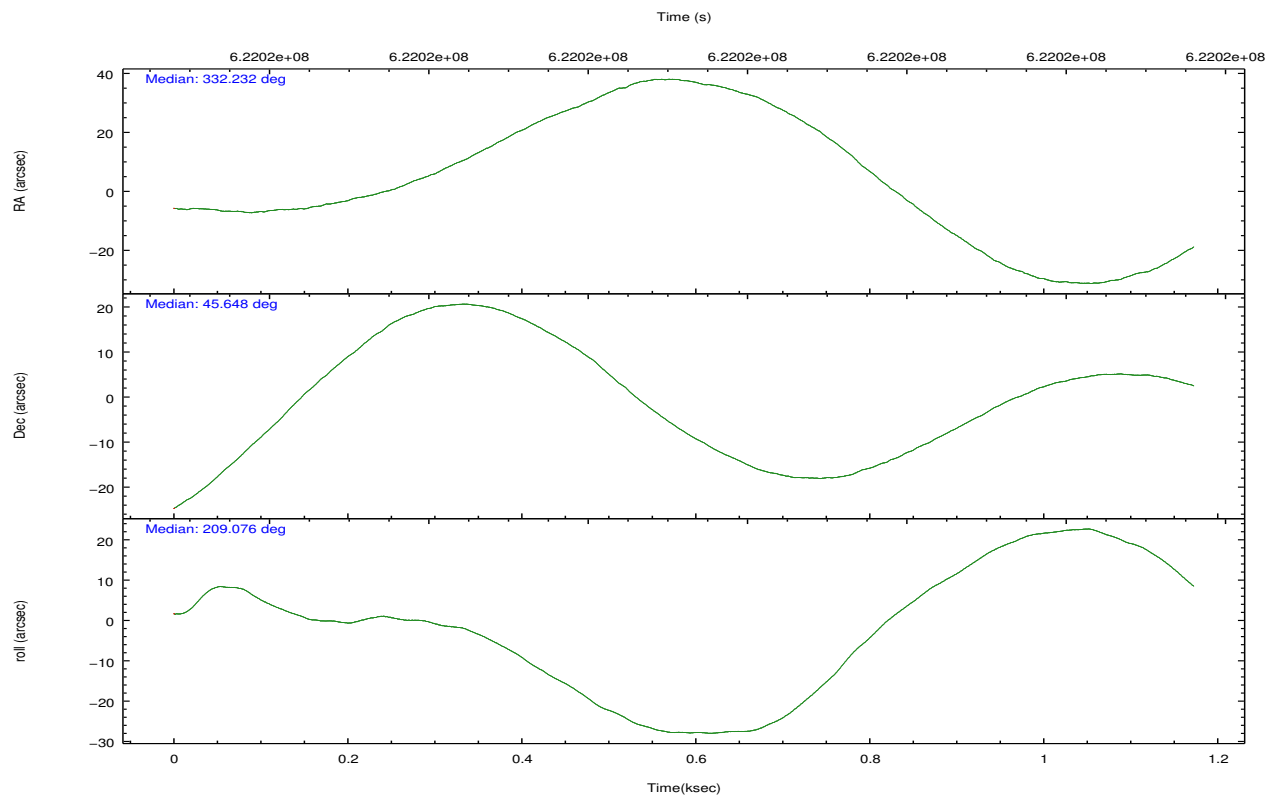
	segment 0
level 1 events	212951
rejected events	47708
rejected %	22%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.253058	332.2328168922621			
[deg] Pointing Dec	45.671126	45.64788041956127			
[deg] Pointing Roll	209.153283	209.0723558727982			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	622020718.184000	622020342.96636			
Observation start date	2017-09-17T07:30:49	2017-09-17T07:25:42			
[s] Observation end time (MET)	622021718.184000	622021852.27894			
Observation end date	2017-09-17T07:47:29	2017-09-17T07:50:52			

2.3 Aspect



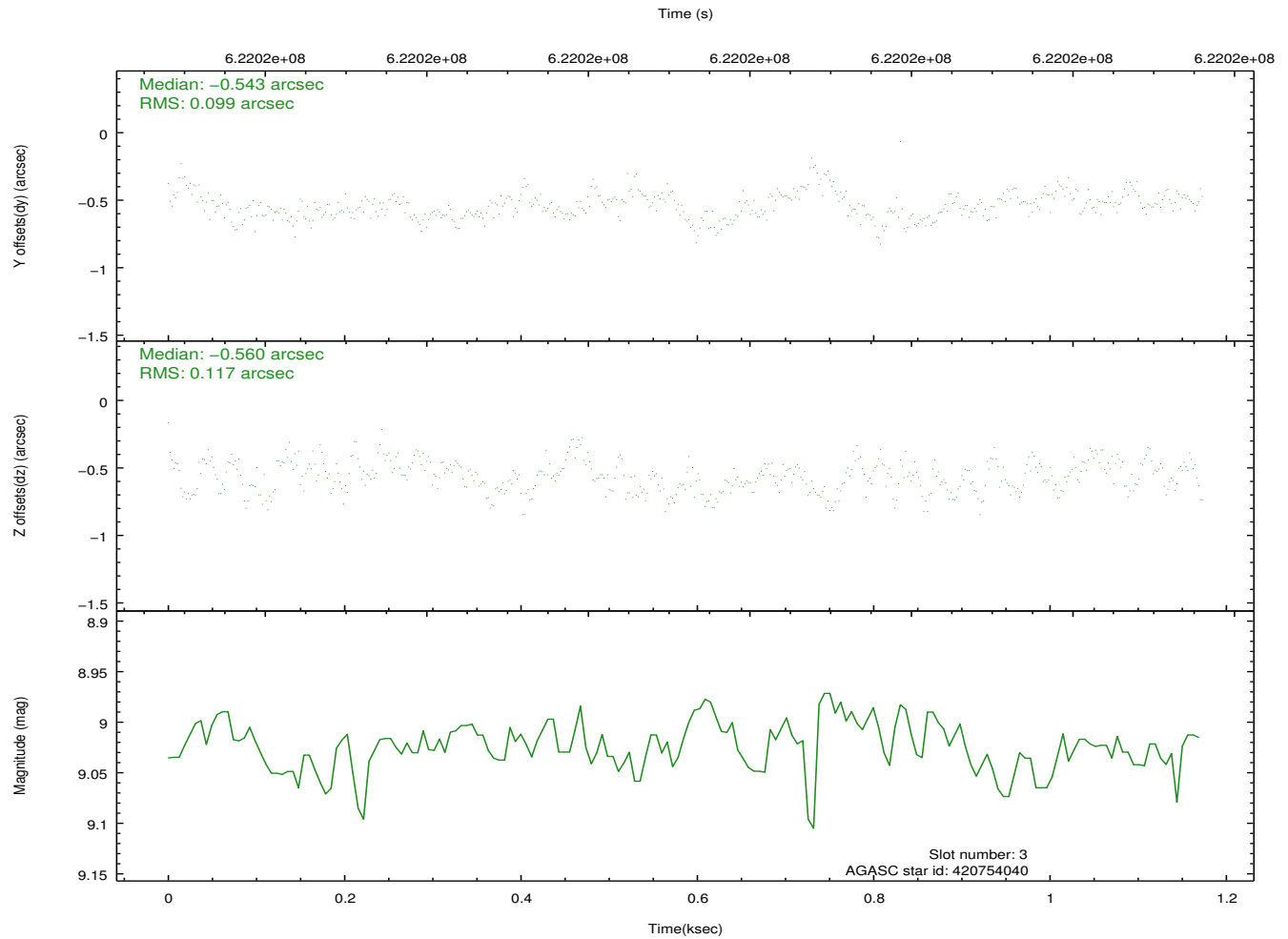
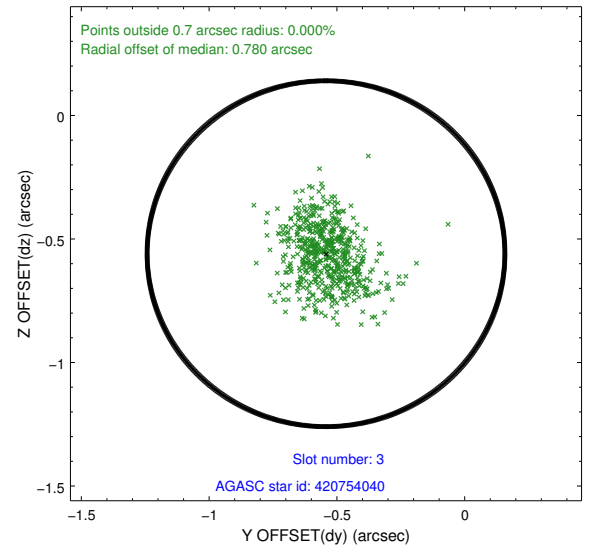
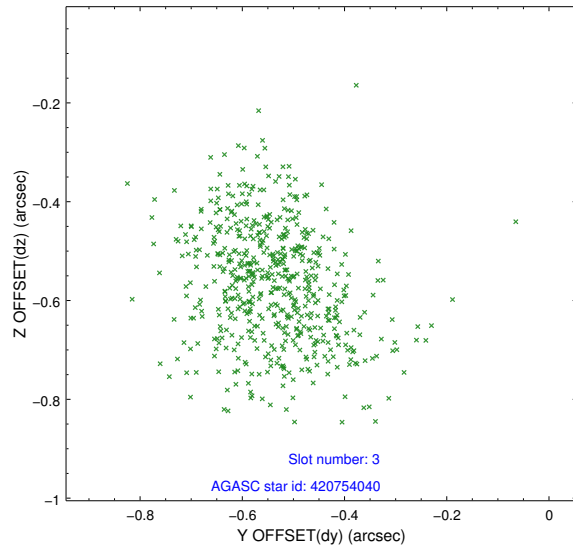


Slot Statistics

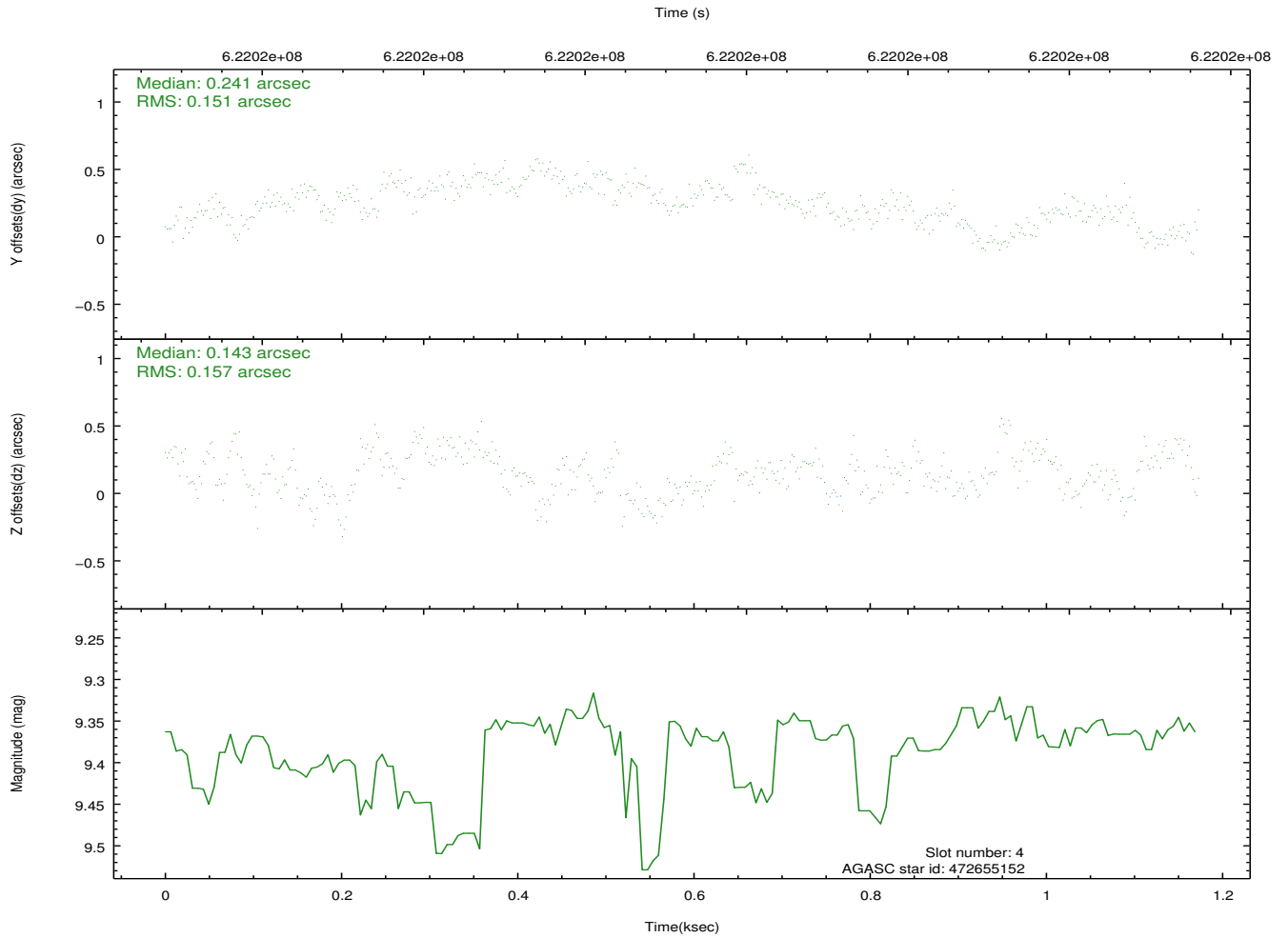
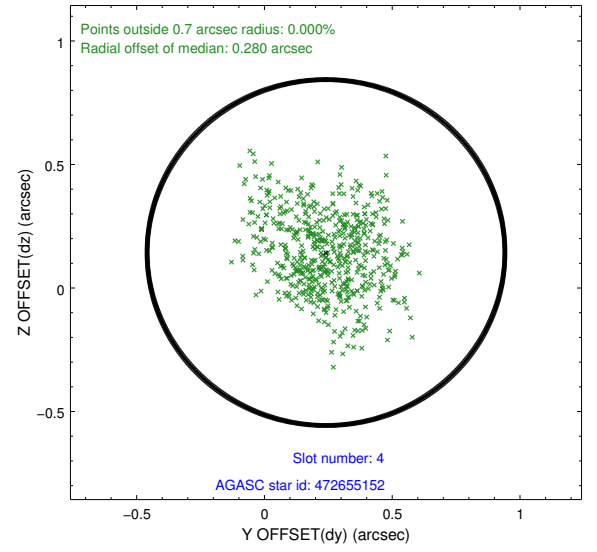
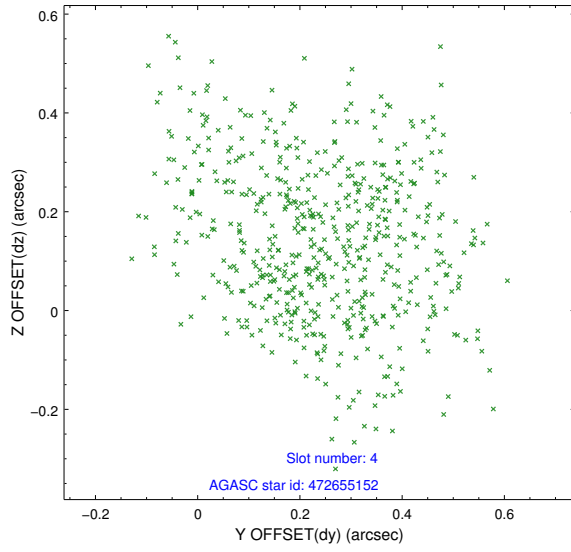
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.03	287	-0.199	0.009	0.006	0.012	0.000000	0.000000	-774.92	-1306.50
1	FID		HRC-I-2	7.05	287	0.368	-0.140	0.006	0.010	0.000000	0.000000	835.57	-1312.70
2	FID		HRC-I-3	7.11	287	-0.049	0.041	0.006	0.012	0.000000	0.000000	-1200.45	993.50
3	GUIDE	used	420754040	9.02	573	-0.543	-0.560	0.165	0.275	331.917939	44.882543	2125.47	2063.91
4	GUIDE	used	472655152	9.37	573	0.241	0.143	0.236	0.366	332.504239	45.862991	-883.73	-290.45
5	GUIDE	used	472665256	8.97	572	0.491	0.210	0.146	0.239	332.808125	46.195041	-2131.00	-974.91
6	GUIDE	used	472525528	6.65	573	-0.748	-0.194	0.138	0.227	331.551102	45.248694	2285.59	455.46
7	GUIDE	used	472663080	9.33	572	0.559	0.406	0.186	0.311	332.652741	46.473840	-2270.75	-2039.03

2.4 Star Slots

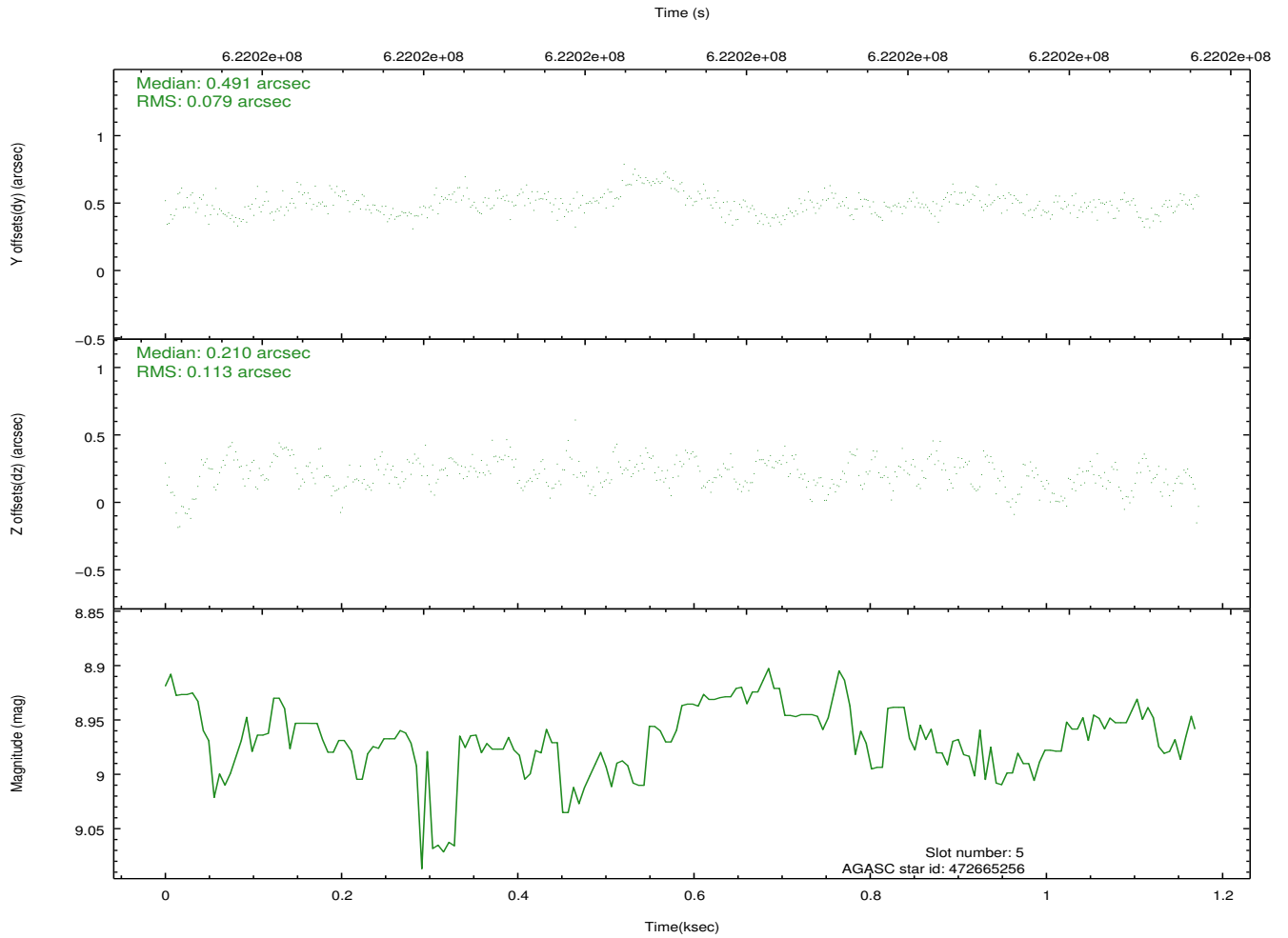
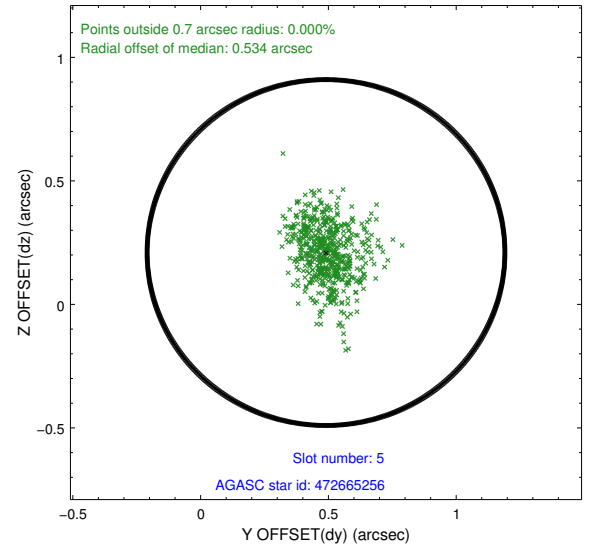
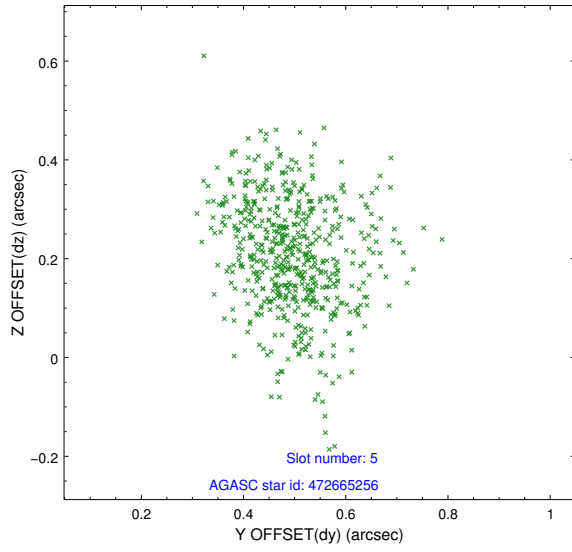
2.4.1 Slot 3



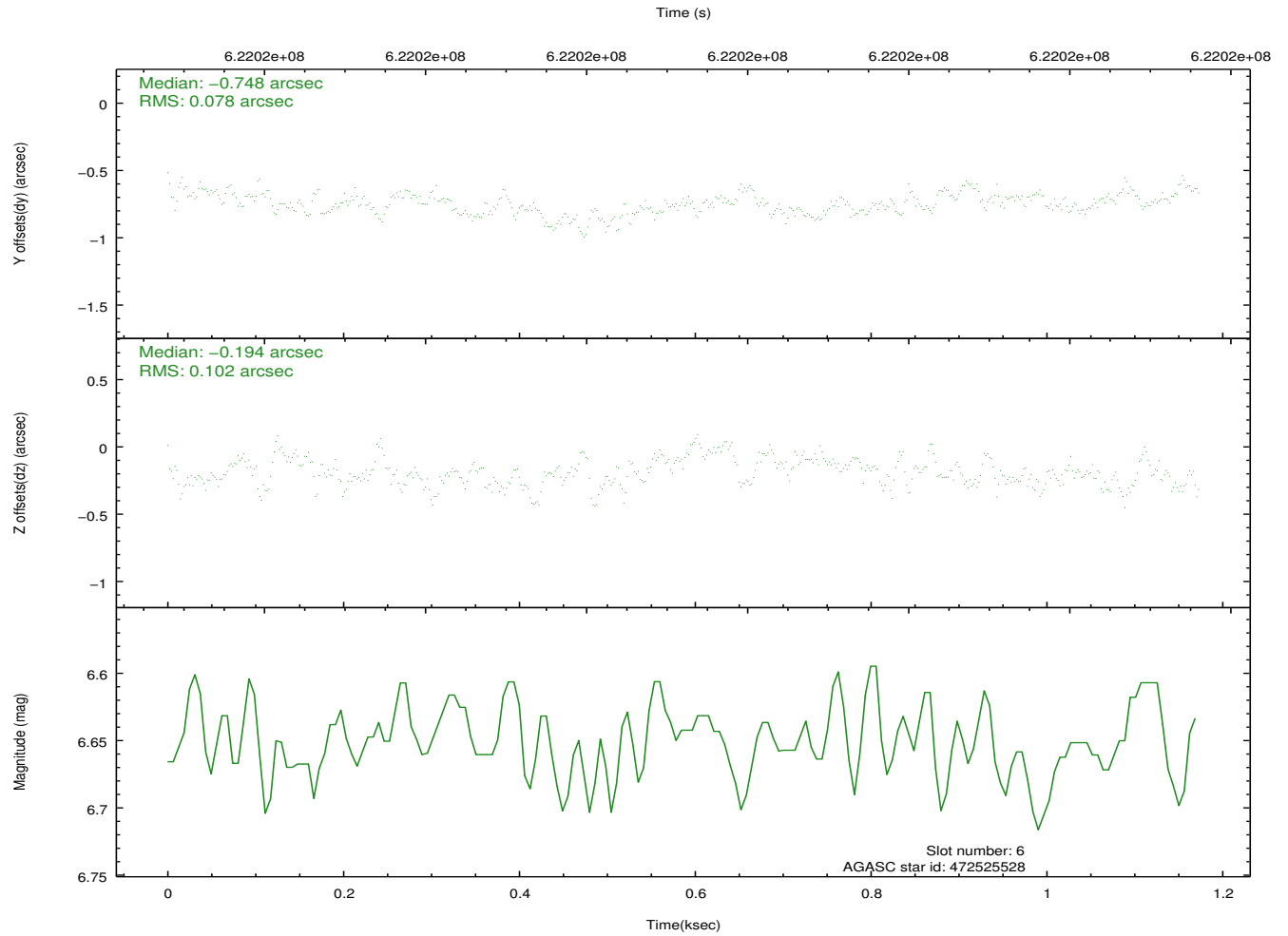
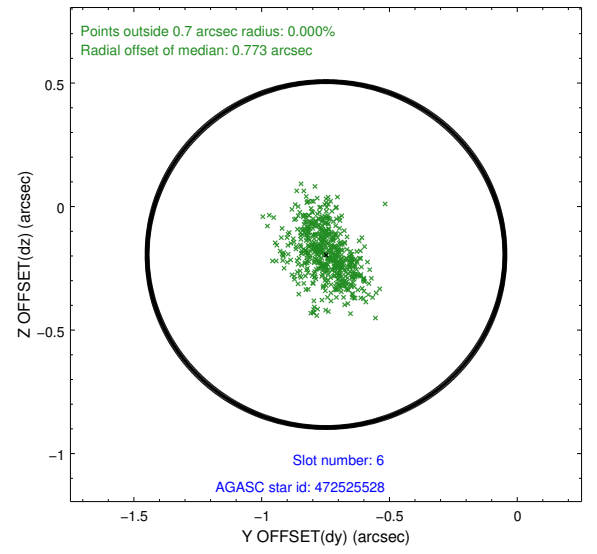
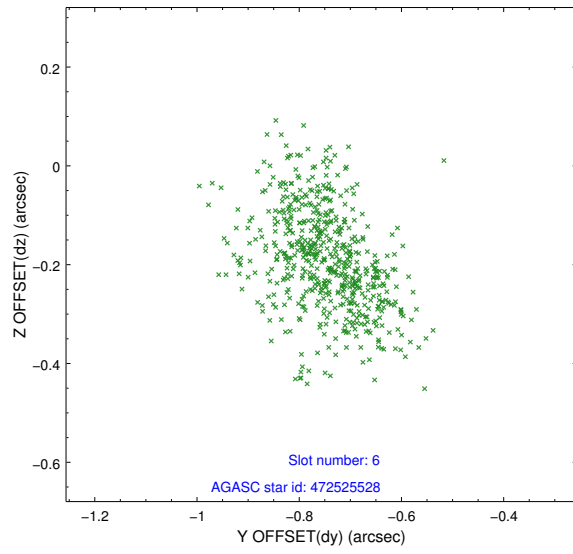
2.4.2 Slot 4



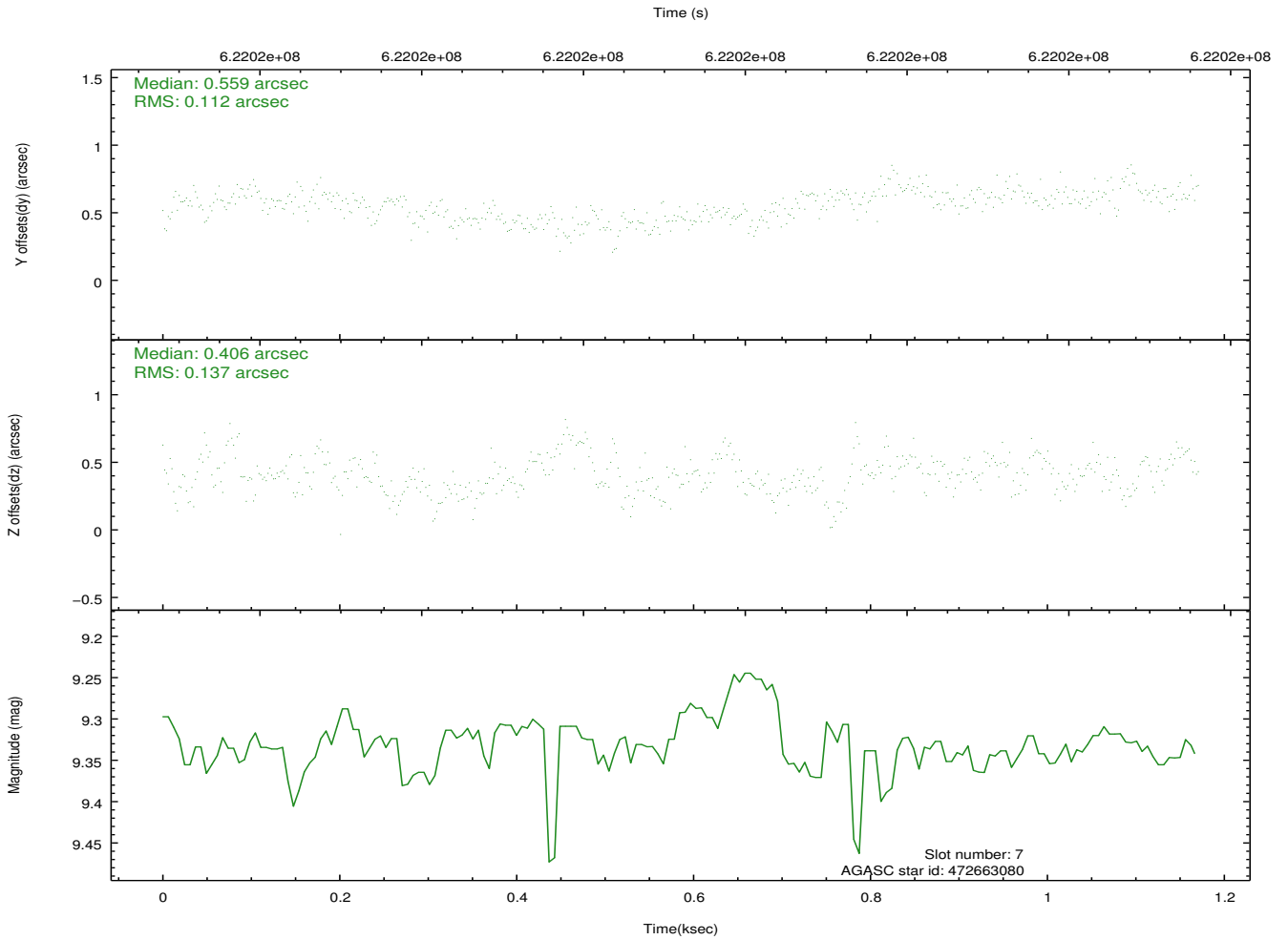
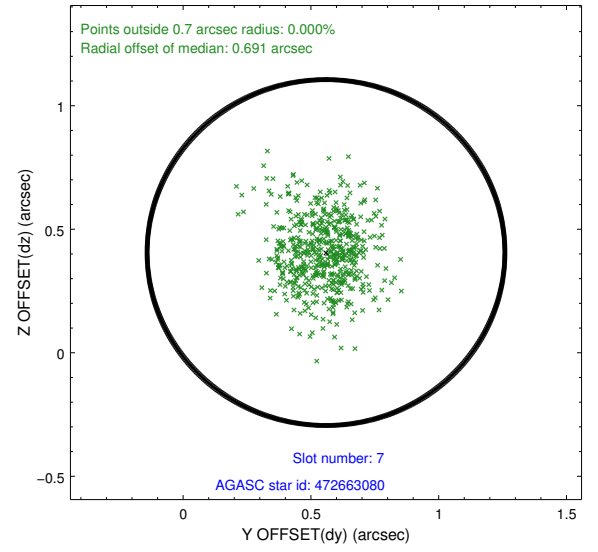
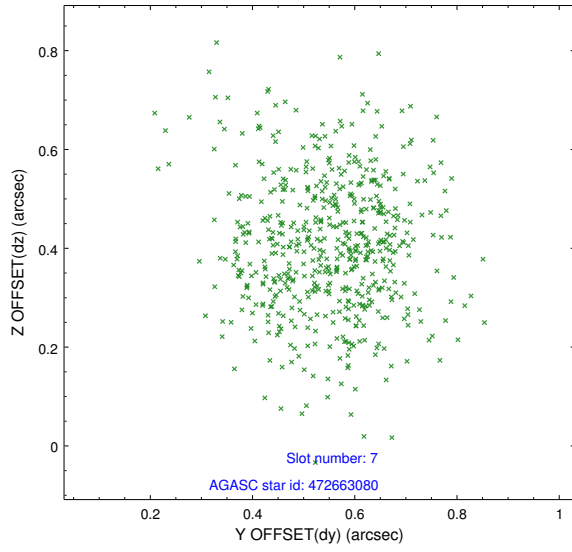
2.4.3 Slot 5



2.4.4 Slot 6

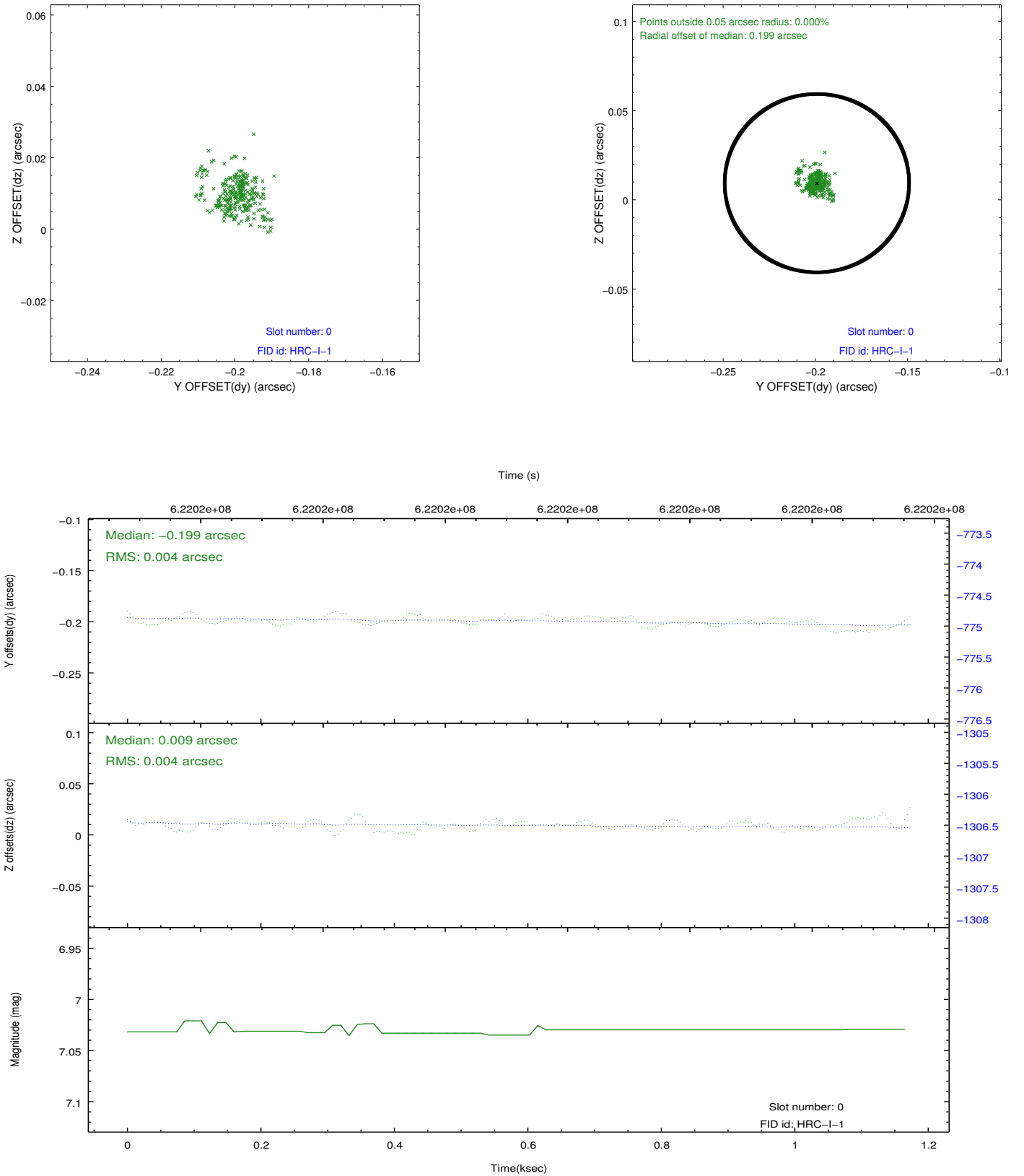


2.4.5 Slot 7

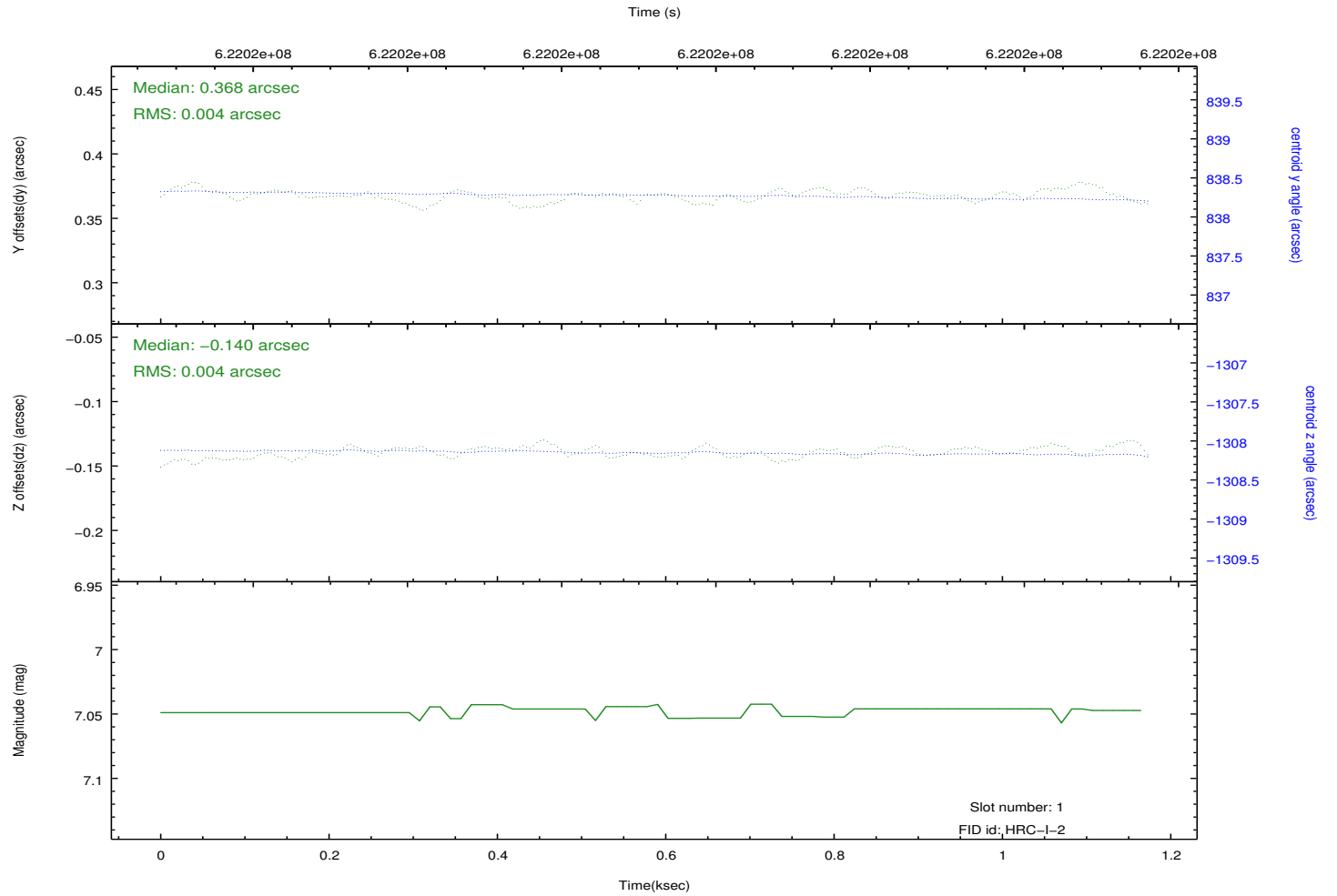
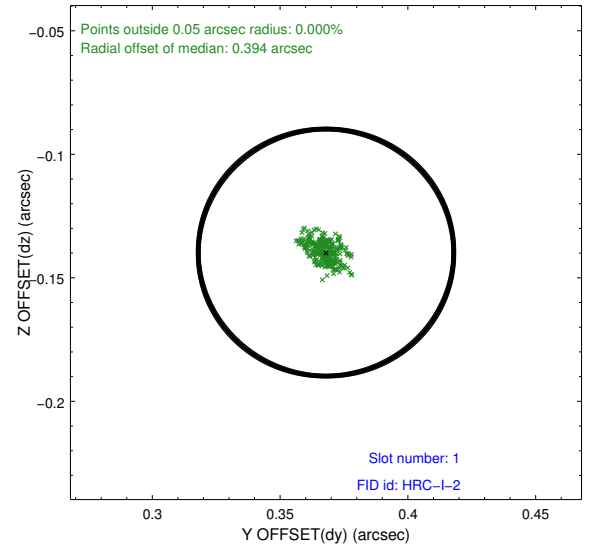
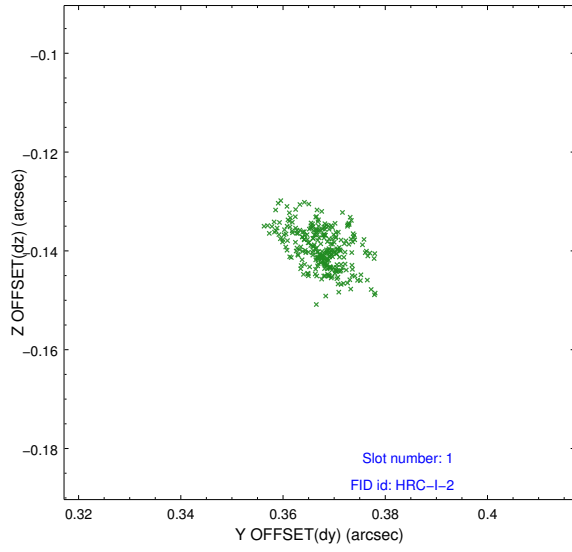


2.5 FID Slots

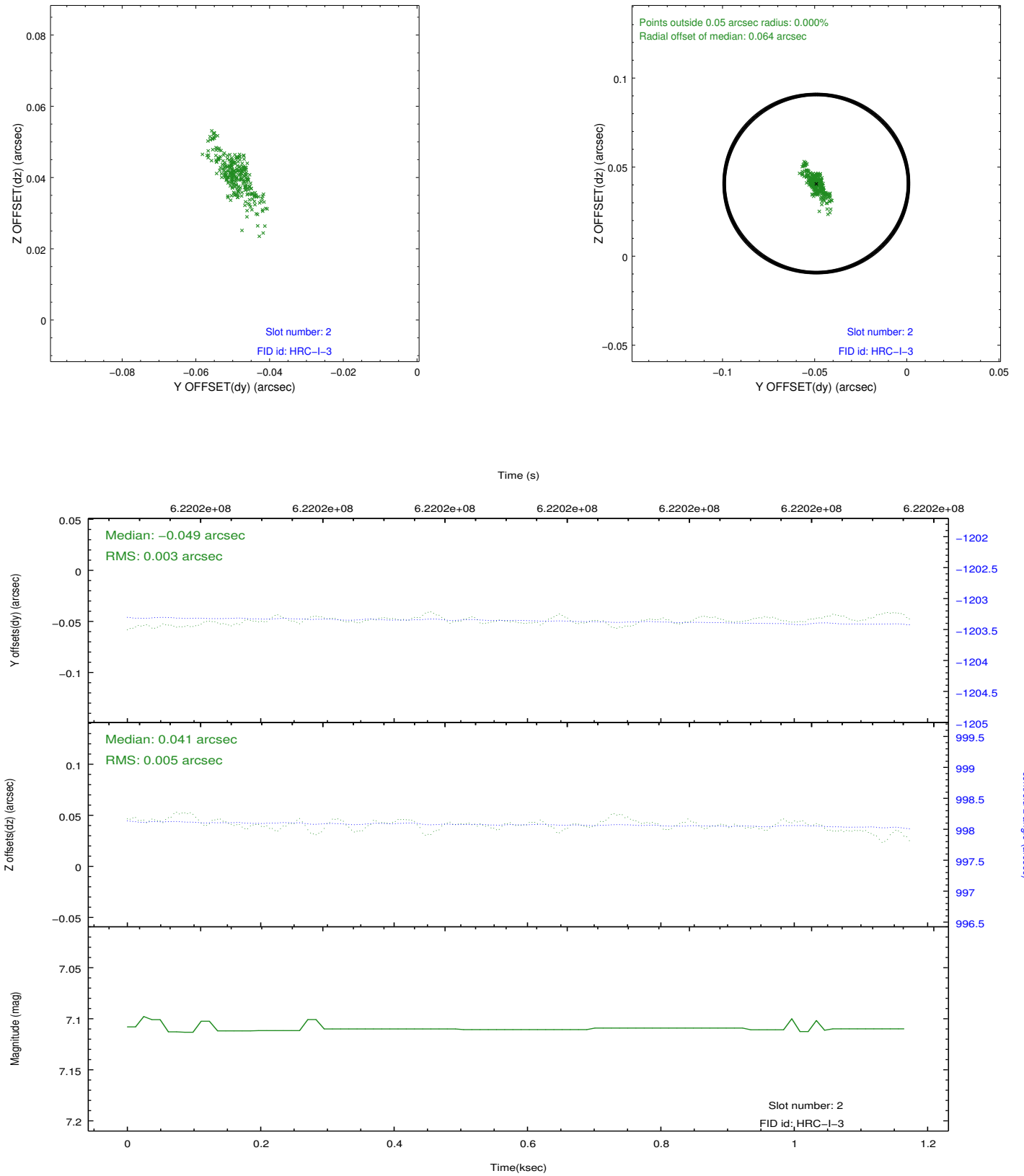
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2017.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1718313186169

A.2 Comments