

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18390 - L2 Version 1
Chandra X-Ray Center

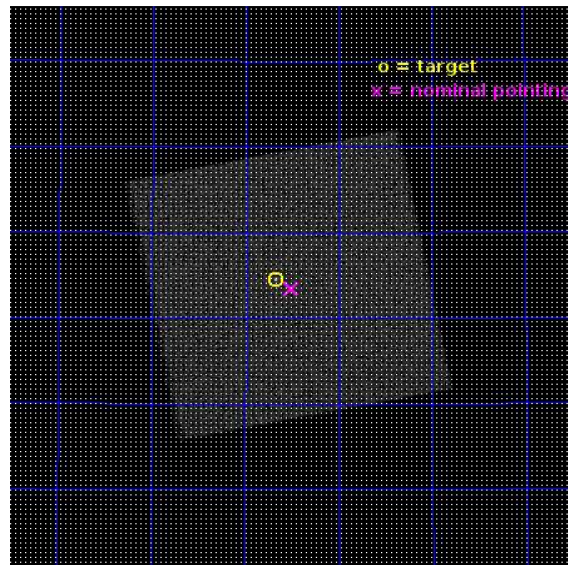
L2 Processing Date : Sep 20 2016

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1 Front

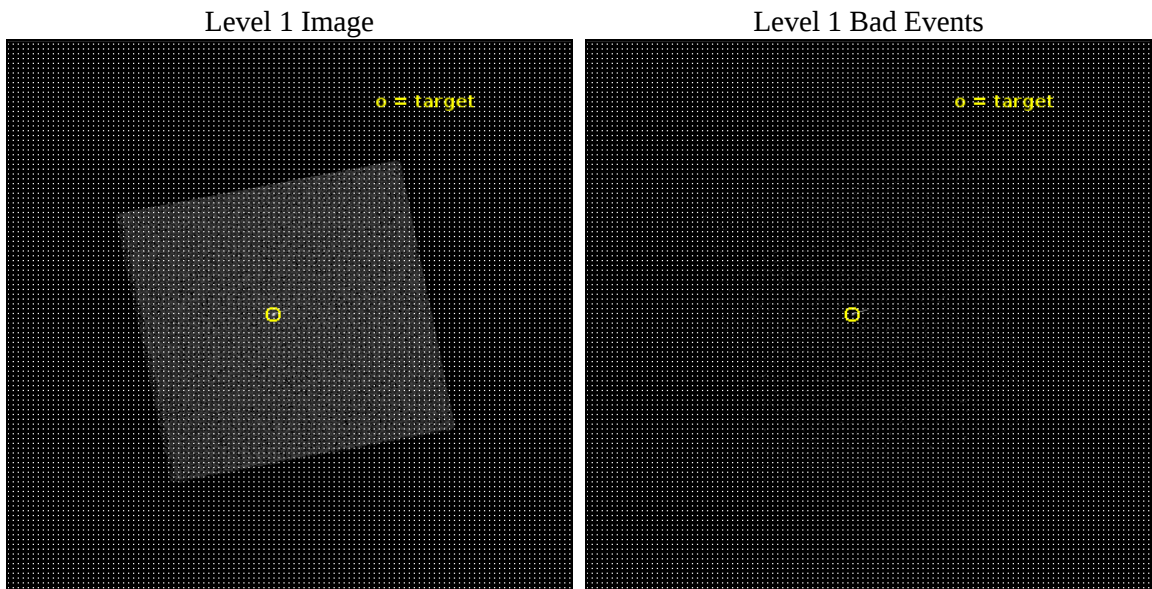
seq_num	291285	Sequence number
obs_id	18390	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.12639735864	Nominal RA [deg]
dec_nom	45.724013523683	Nominal Dec [deg]
roll_nom	213.76444415374	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1184.1313182116	[s]
livetime	1170.508940678	Ontime multiplied by DTCOR
l2events	115380	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	1184.1313182116	[s]
caldbver	4.7.2	 	l1events	193694	Number of level 1 events
date	2016-09-21T02:05:08	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

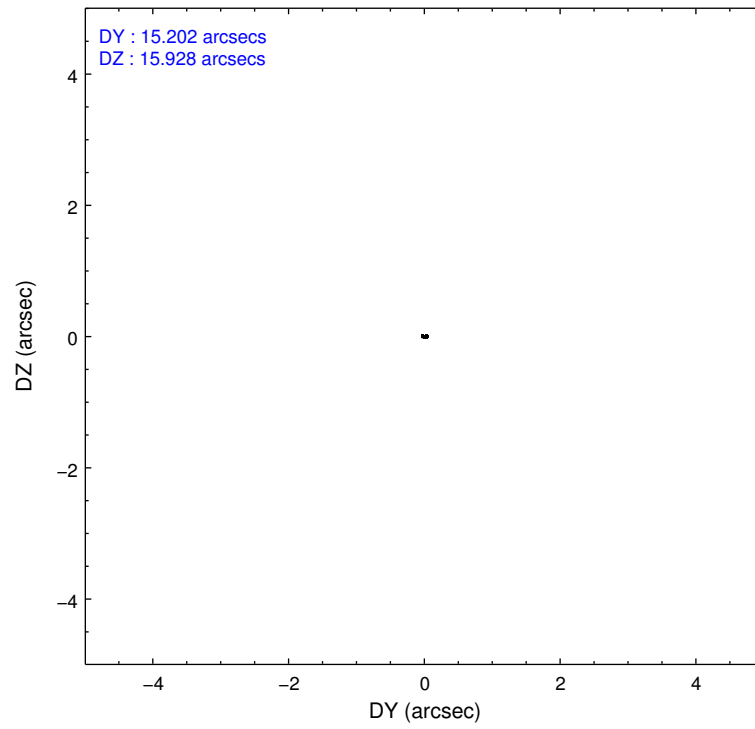
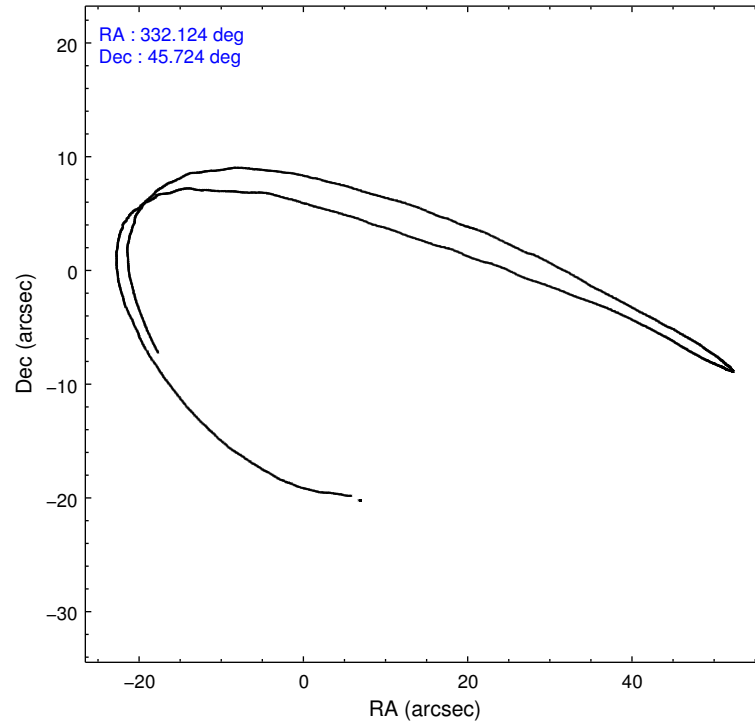
Level 1 Events

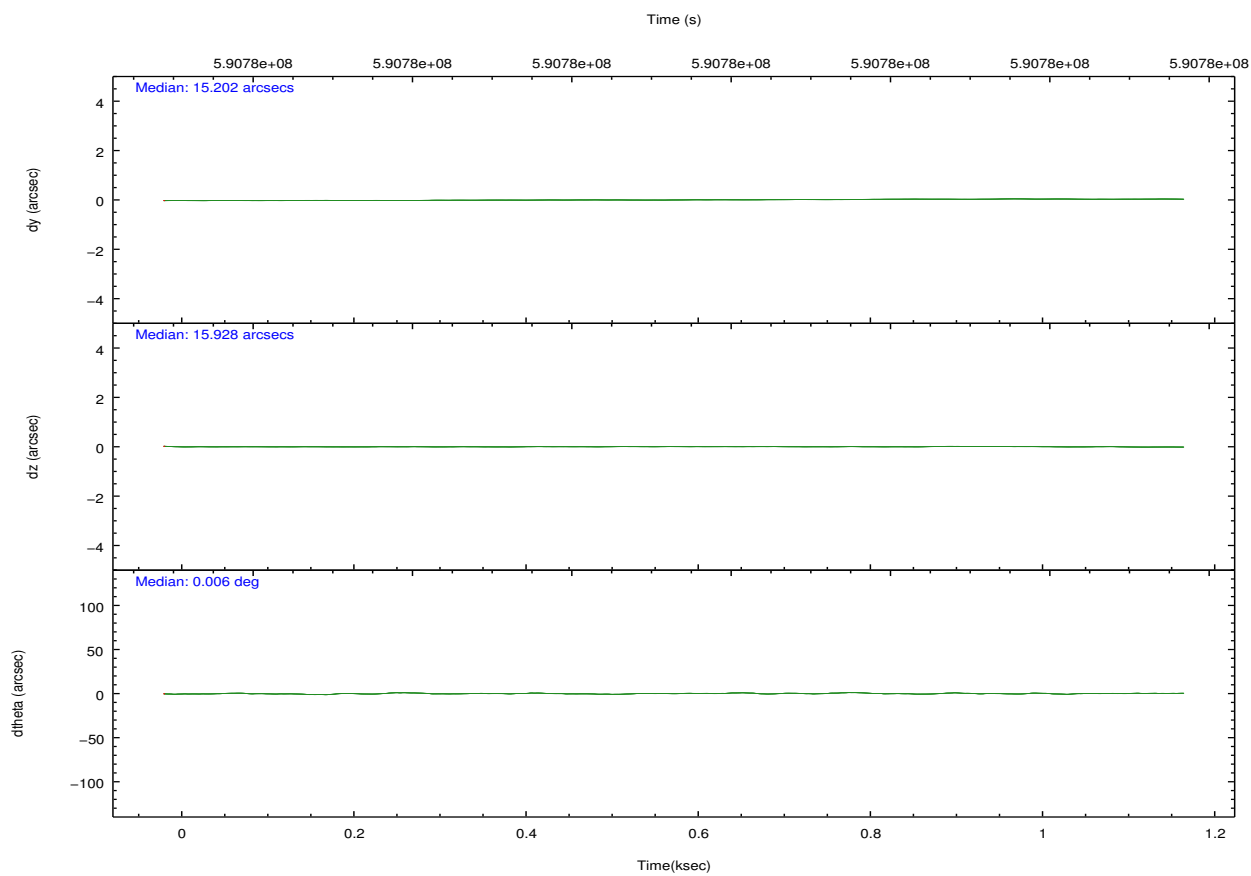
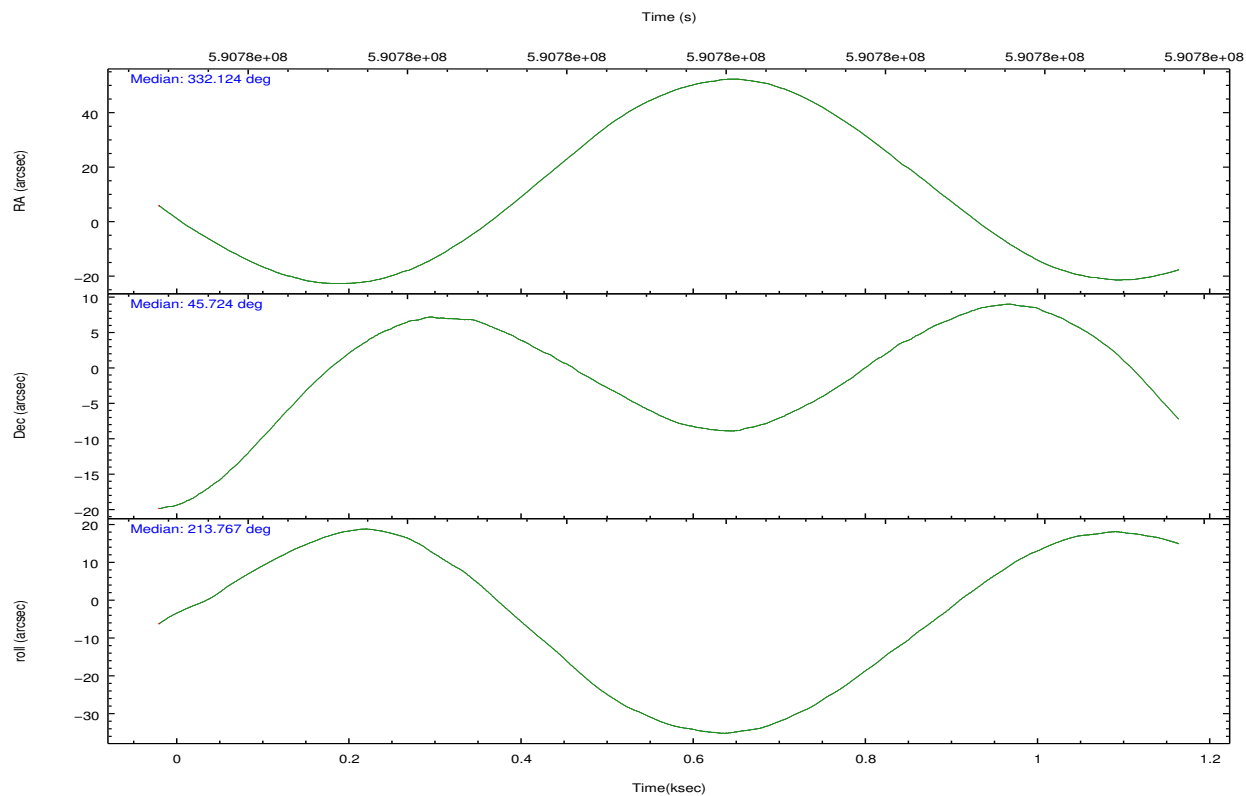
	segment 0
level 1 events	193694
rejected events	41934
rejected %	21%

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	332.144103	332.1263973586373			
[deg] Pointing Dec	45.748229	45.72401352368312			
[deg] Pointing Roll	213.847234	213.7644441537431			
[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)	590780517.184000	590780141.05345			
Observation start date	2016-09-20T17:40:49	2016-09-20T17:35:41			
[s] Observation end time (MET)	590781517.184000	590781651.39104			
Observation end date	2016-09-20T17:57:29	2016-09-20T18:00:51			

2.3 Aspect



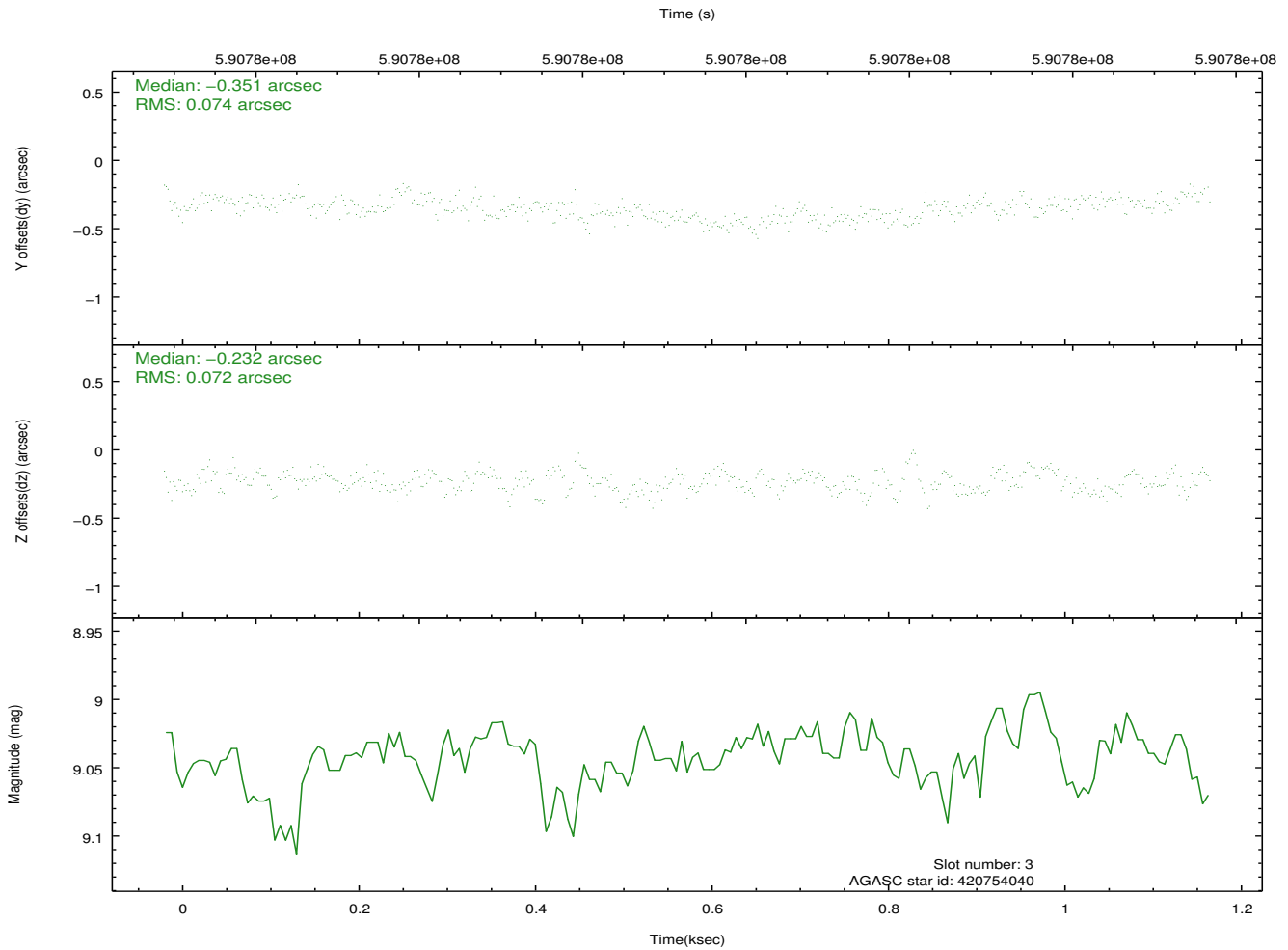
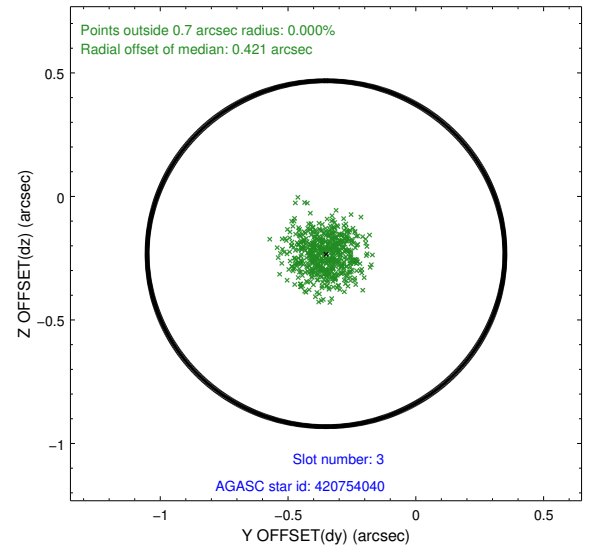
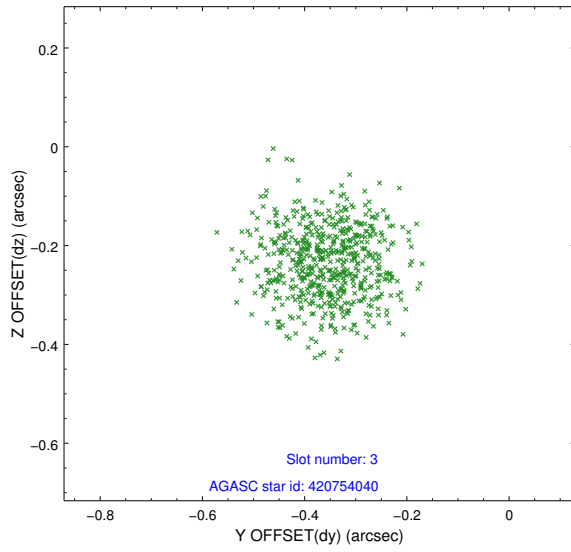


Slot Statistics

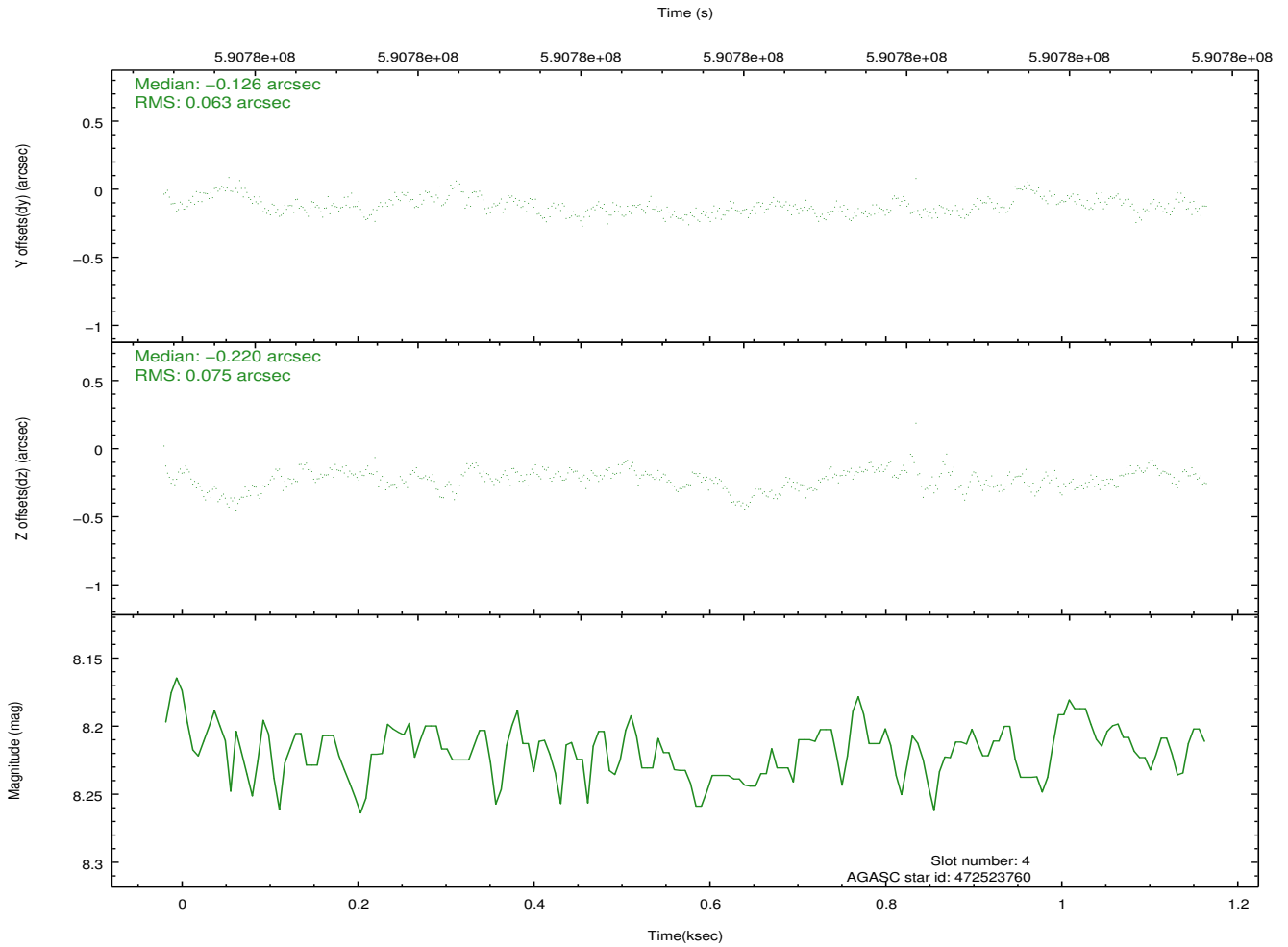
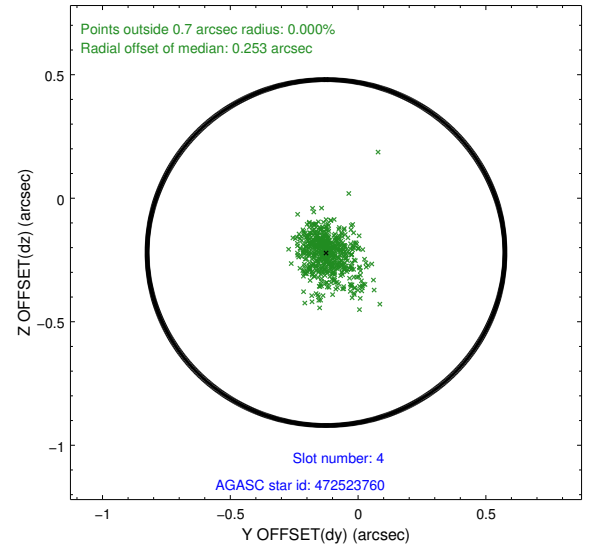
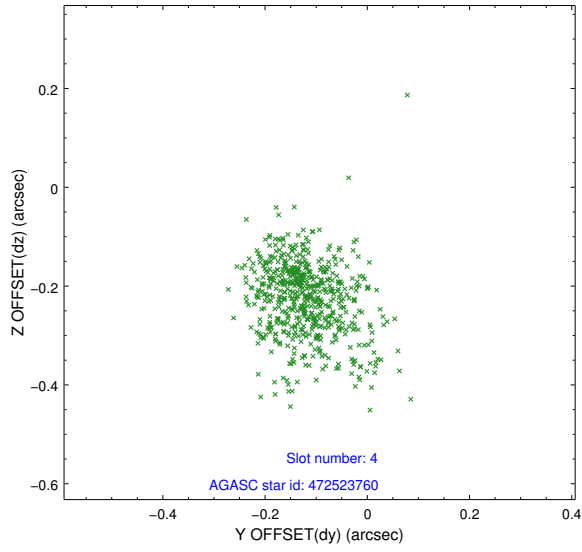
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.03	290	-0.216	-0.034	0.007	0.012	0.000000	0.000000	-771.17	-1304.10
1	FID		HRC-I-2	7.05	290	0.375	-0.121	0.006	0.010	0.000000	0.000000	839.39	-1310.19
2	FID		HRC-I-3	7.13	290	-0.041	0.066	0.006	0.009	0.000000	0.000000	-1196.68	996.03
3	GUIDE	used	420754040	9.04	579	-0.351	-0.232	0.112	0.178	331.917939	44.882543	2211.39	2270.14
4	GUIDE	used	472523760	8.22	579	-0.126	-0.220	0.100	0.181	331.645363	45.403260	1739.44	333.17
5	GUIDE	used	472533912	9.13	577	0.286	0.275	0.138	0.223	331.791136	46.368695	-514.79	-2340.68
6	GUIDE	used	472665256	8.96	579	0.256	0.304	0.157	0.263	332.808125	46.195041	-2275.62	-420.22
7	GUIDE	used	472655152	9.41	578	-0.082	-0.120	0.172	0.294	332.504239	45.862991	-986.03	160.92

2.4 Star Slots

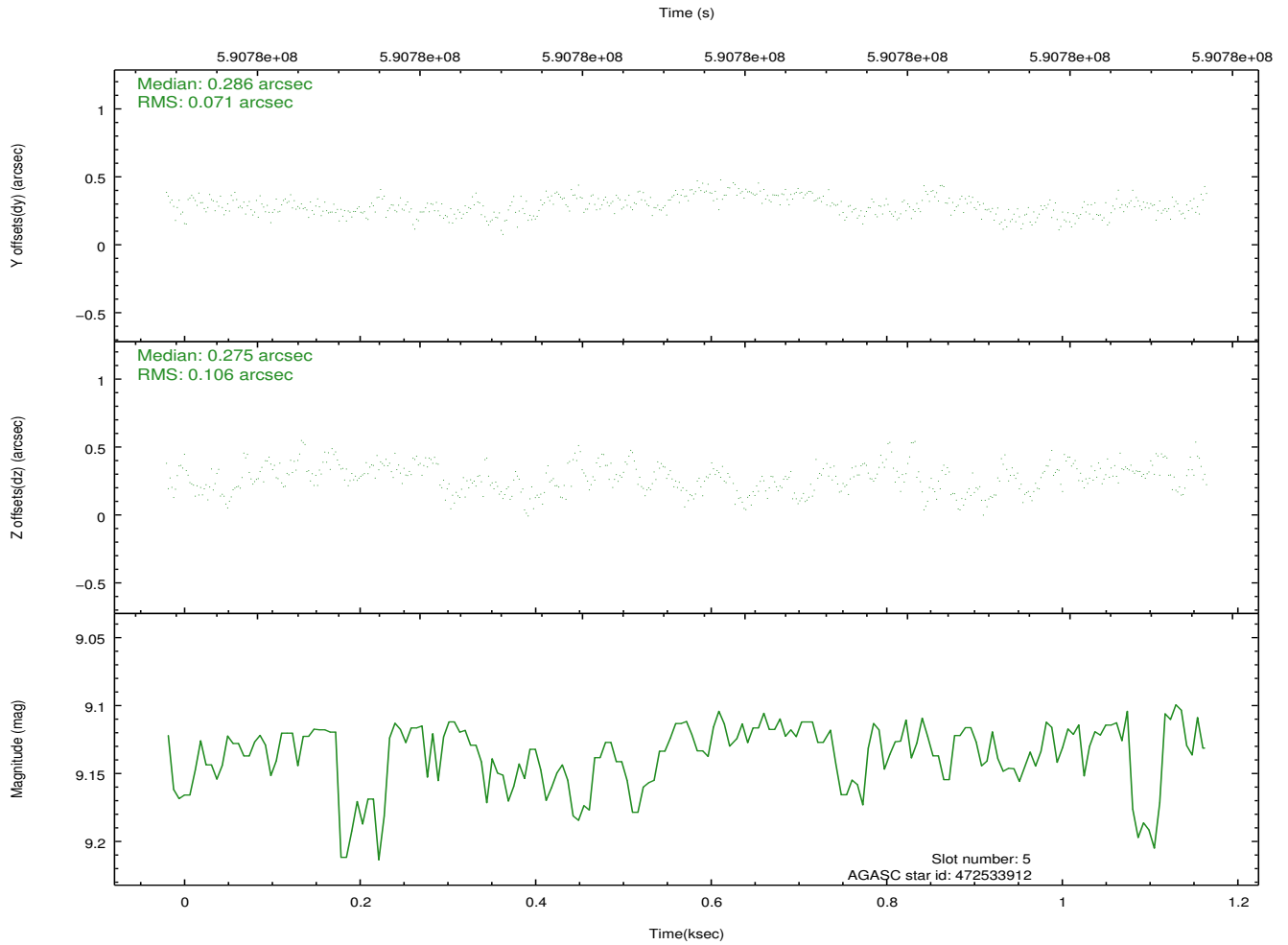
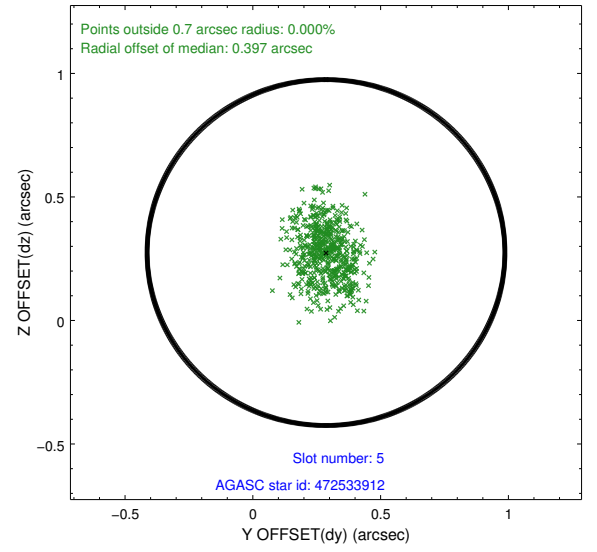
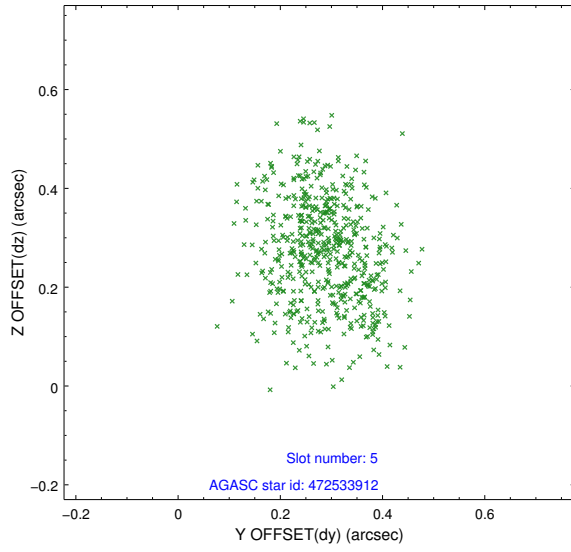
2.4.1 Slot 3



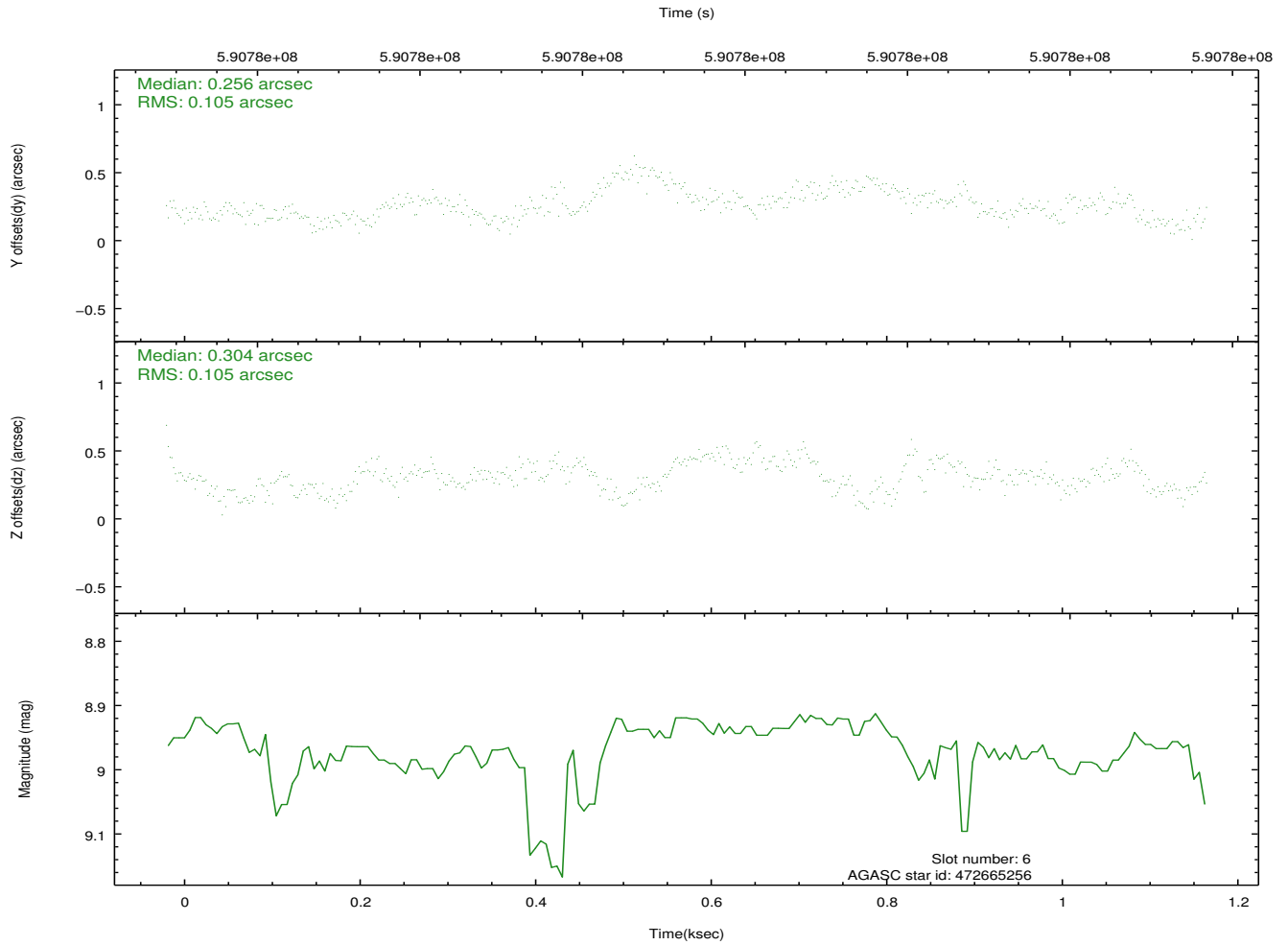
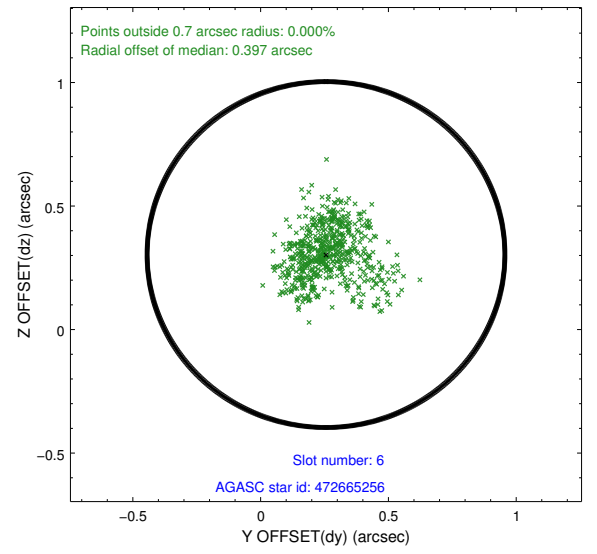
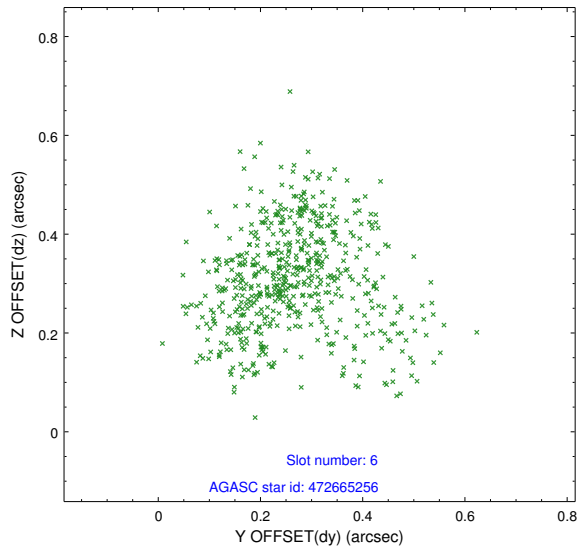
2.4.2 Slot 4



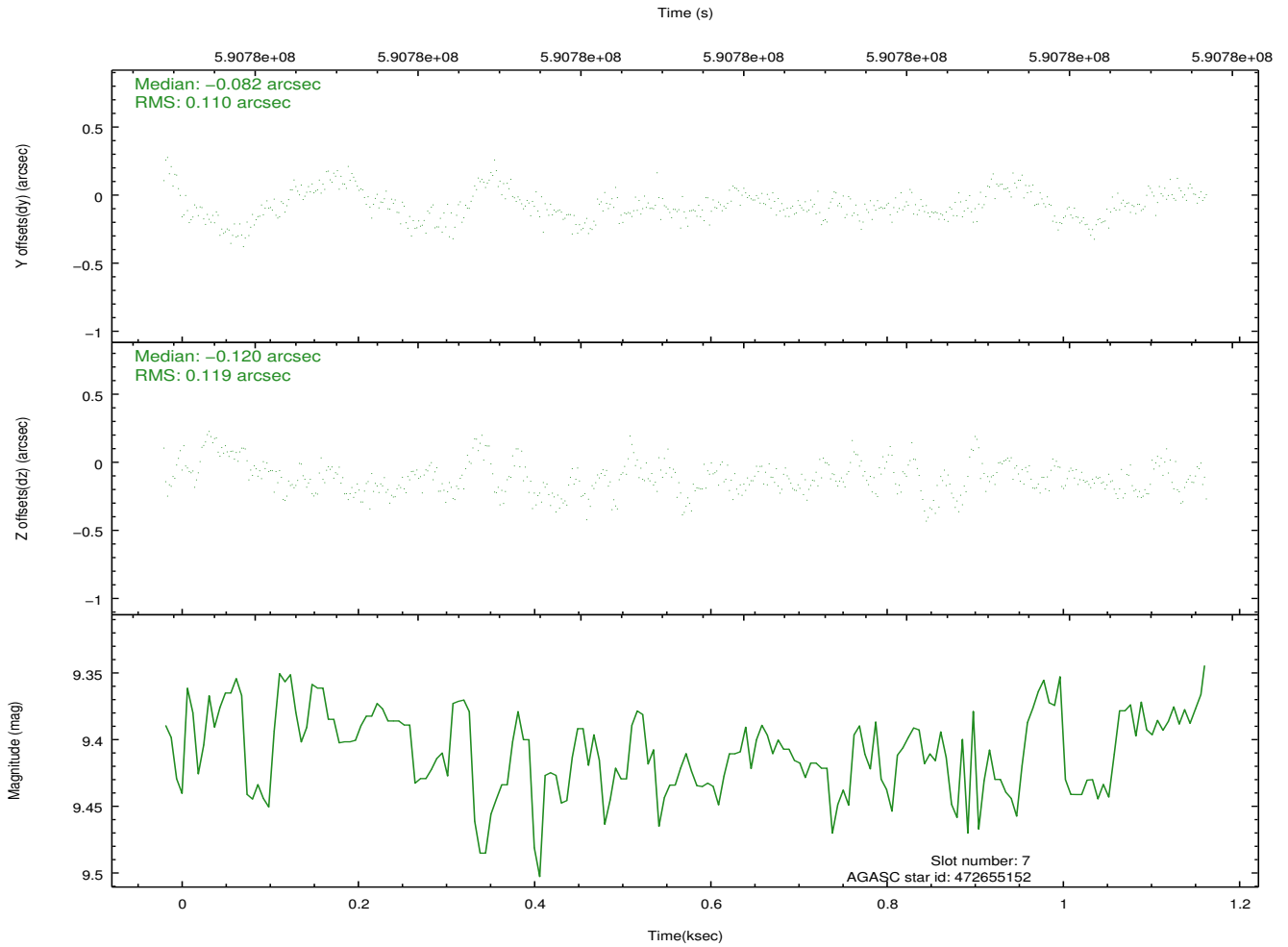
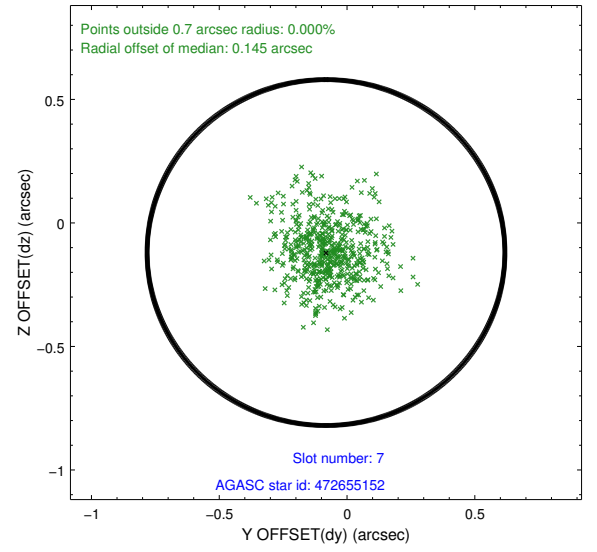
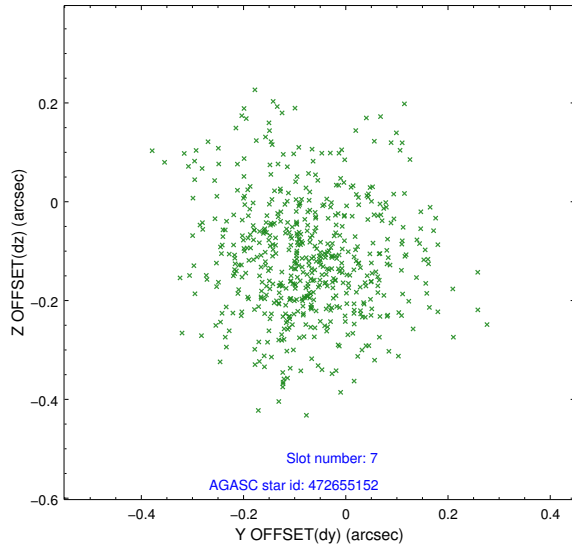
2.4.3 Slot 5



2.4.4 Slot 6

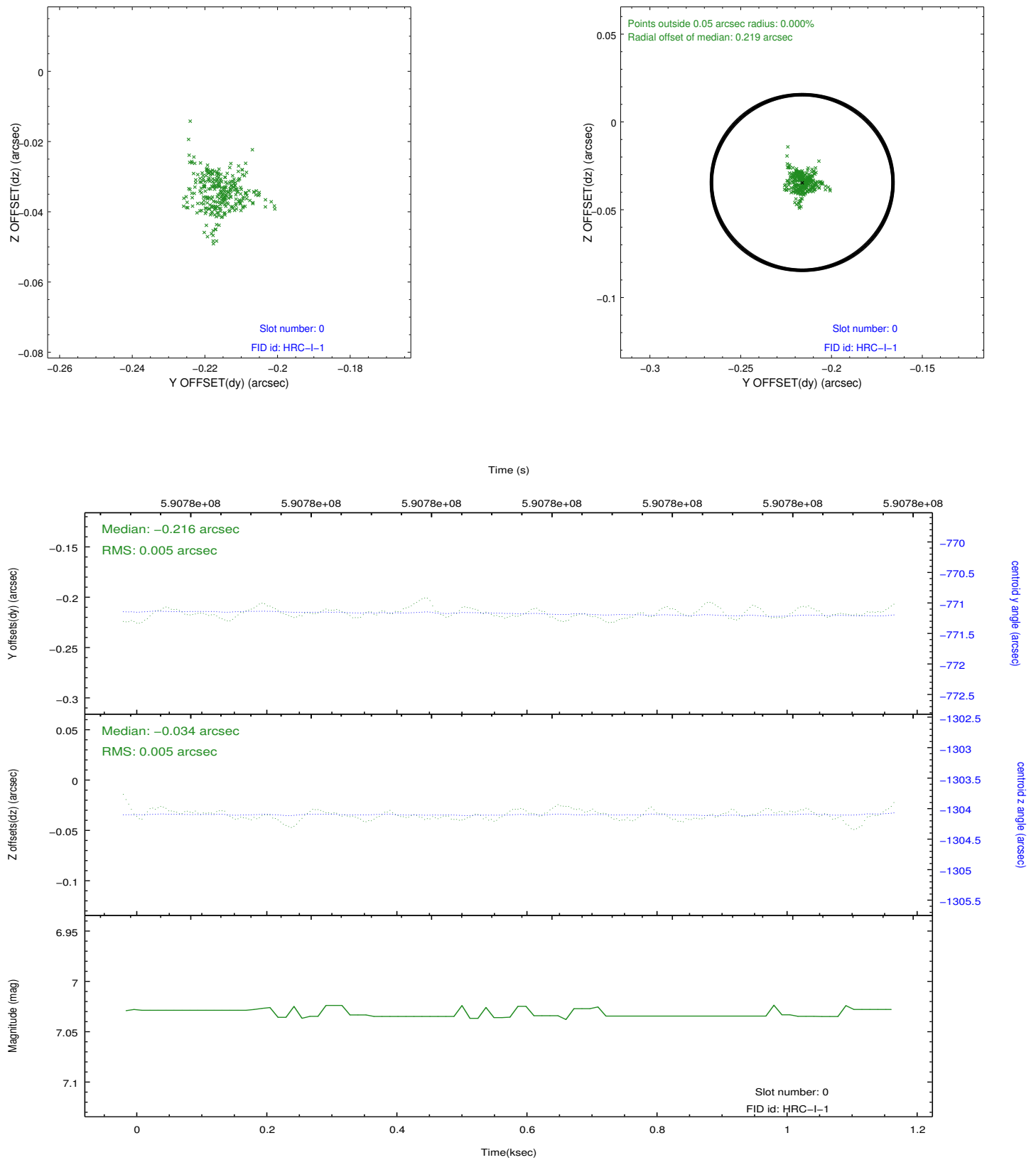


2.4.5 Slot 7

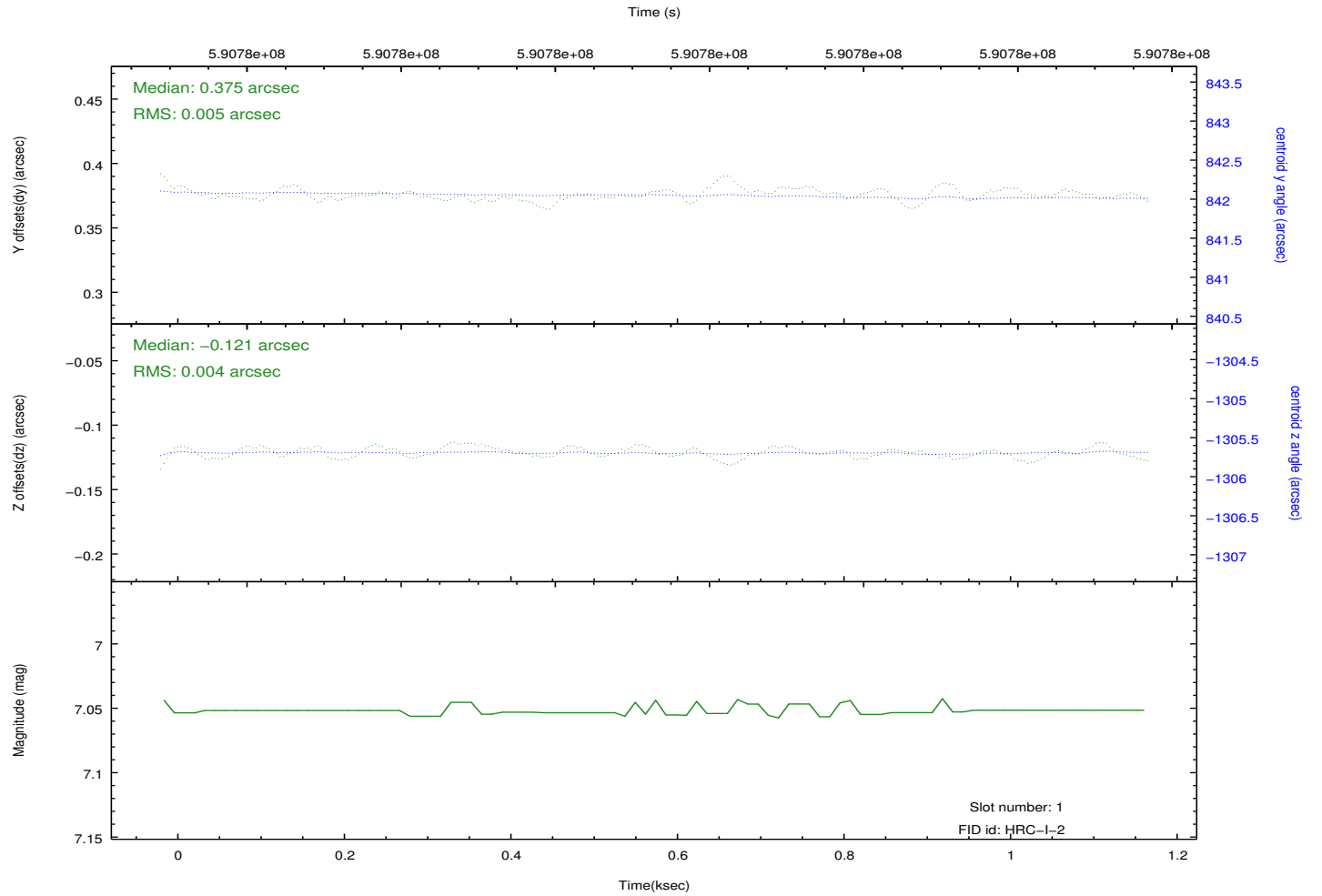
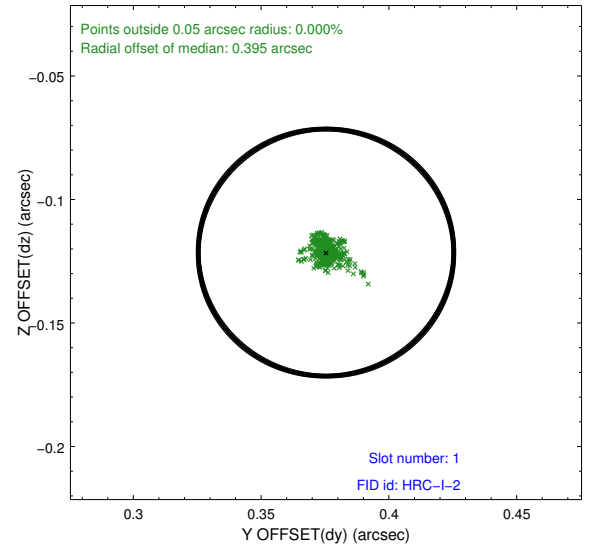
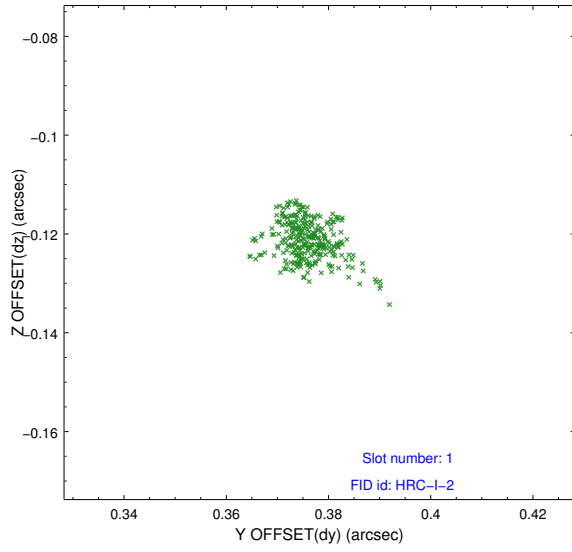


2.5 FID Slots

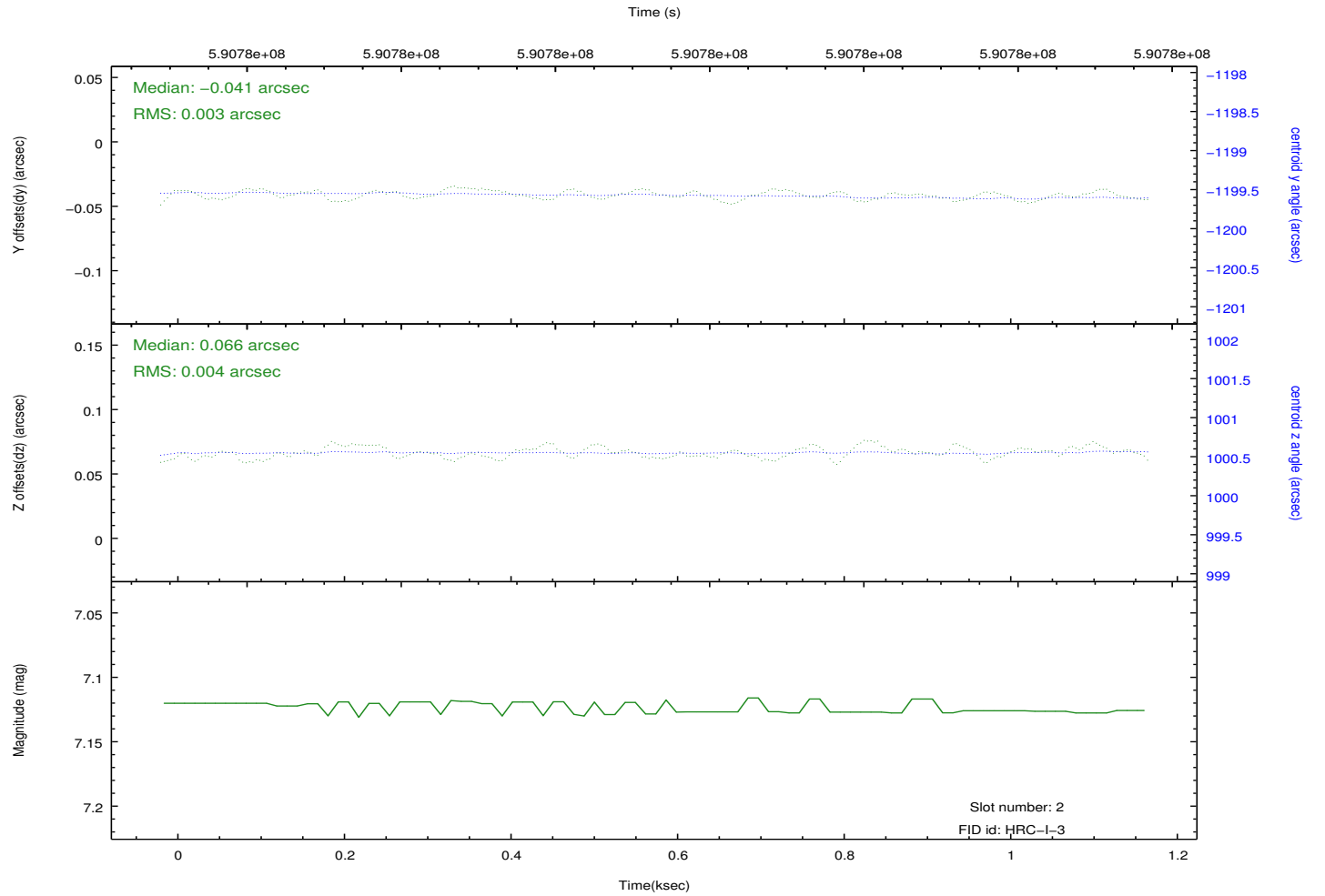
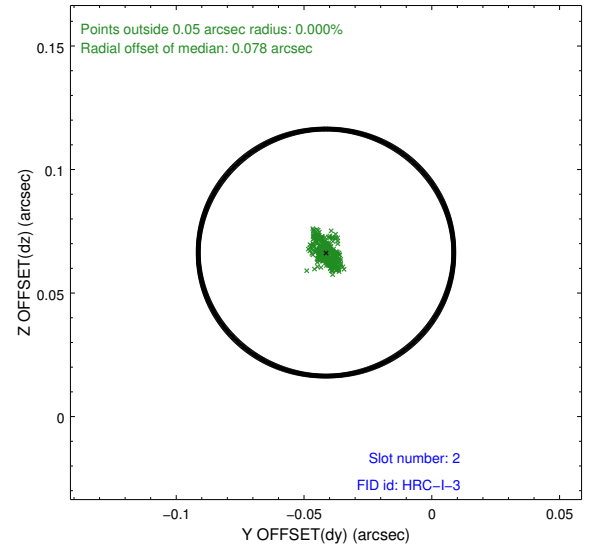
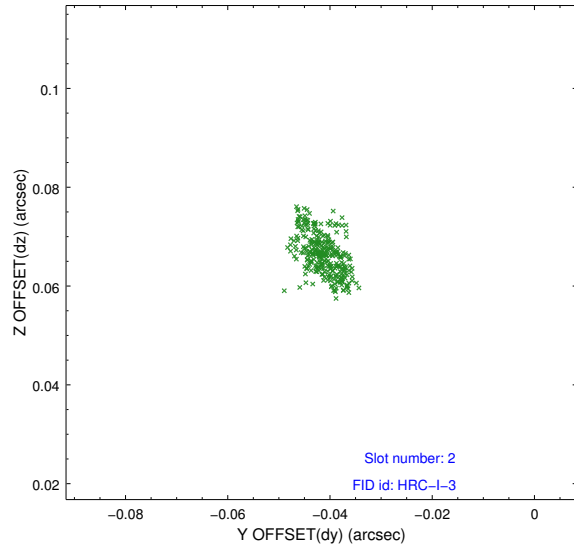
2.5.1 Slot 0



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)	2016.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1841313182116

A.2 Comments