

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 17364 - L2 Version 1
Chandra X-Ray Center

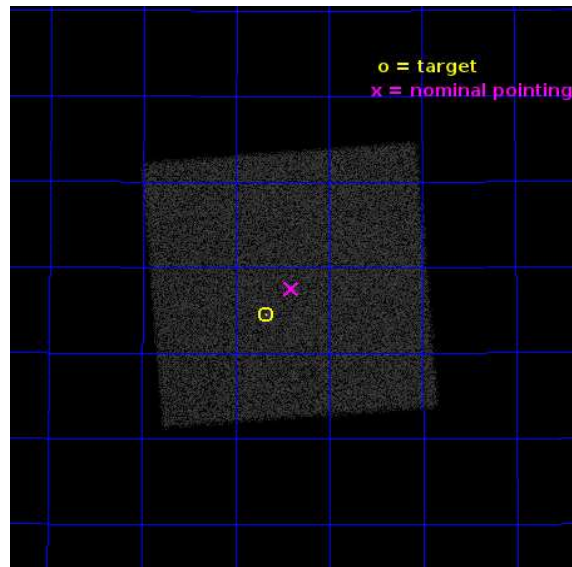
L2 Processing Date : Sep 27 2015

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1 Front

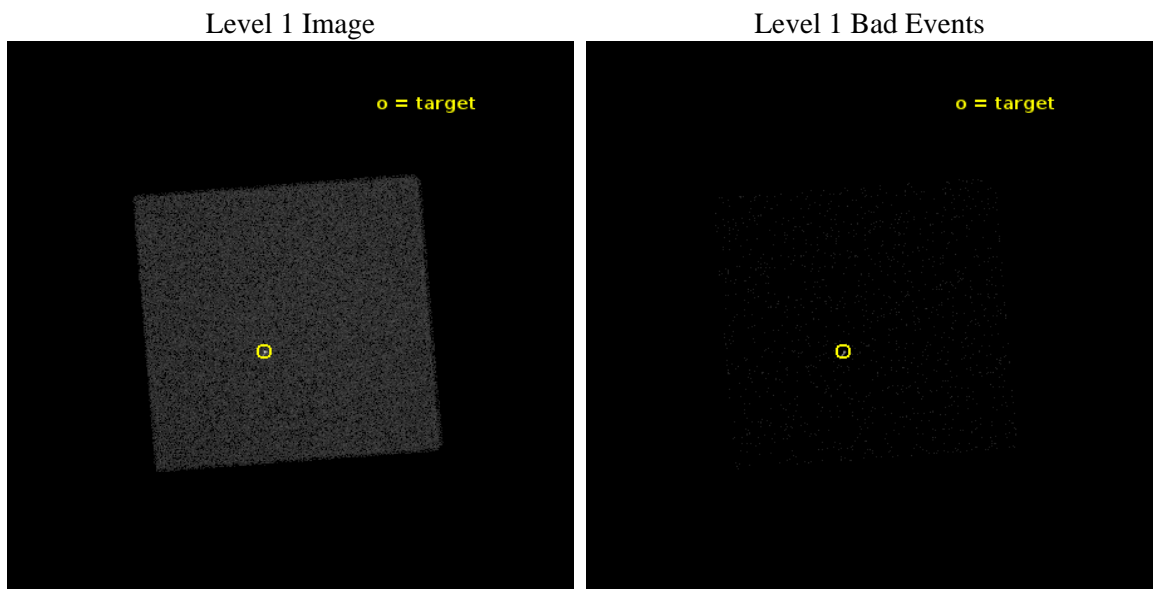
seq_num	291237	Sequence number
obs_id	17364	Observation id
title	AO-16 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.10113631946	Nominal RA [deg]
dec_nom	45.792340543907	Nominal Dec [deg]
roll_nom	220.47701177558	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1190.2813173532	[s]
livetime	1179.5220496986	Ontime multiplied by DTCOR
l2events	88974	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	10.4.1	Processing system revision	ontime	1190.2813173532	[s]
caldbver	4.6.8	 	l1events	148194	Number of level 1 events
date	2015-09-27T05:24:28	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

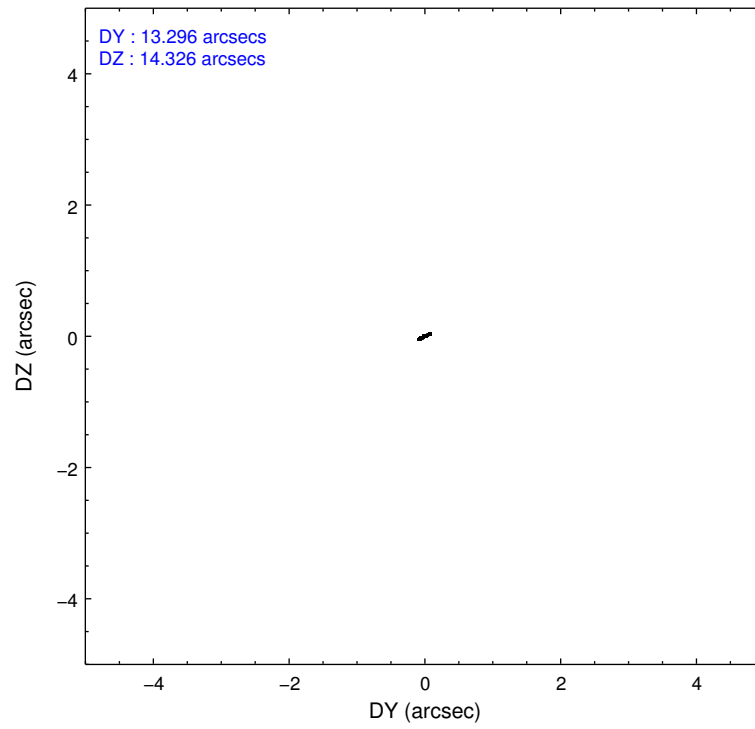
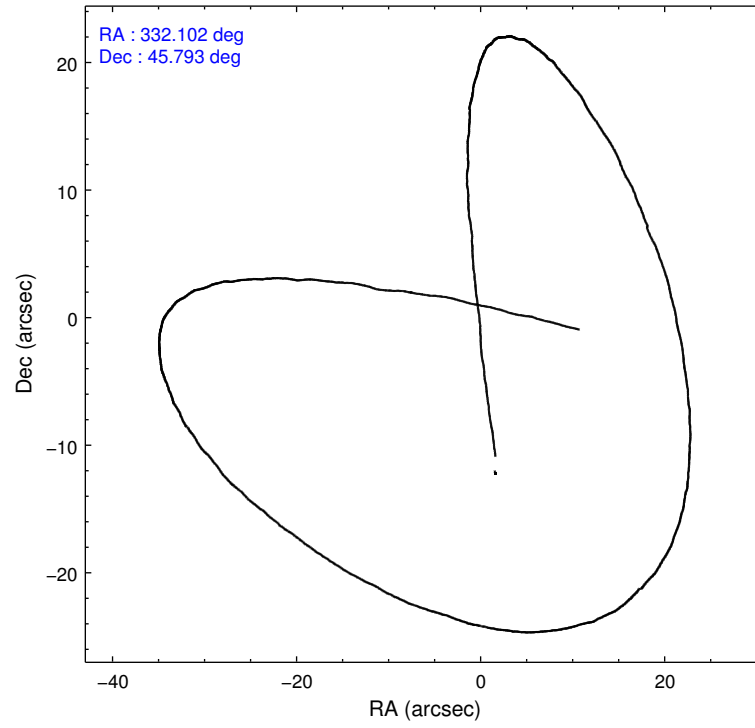
Level 1 Events

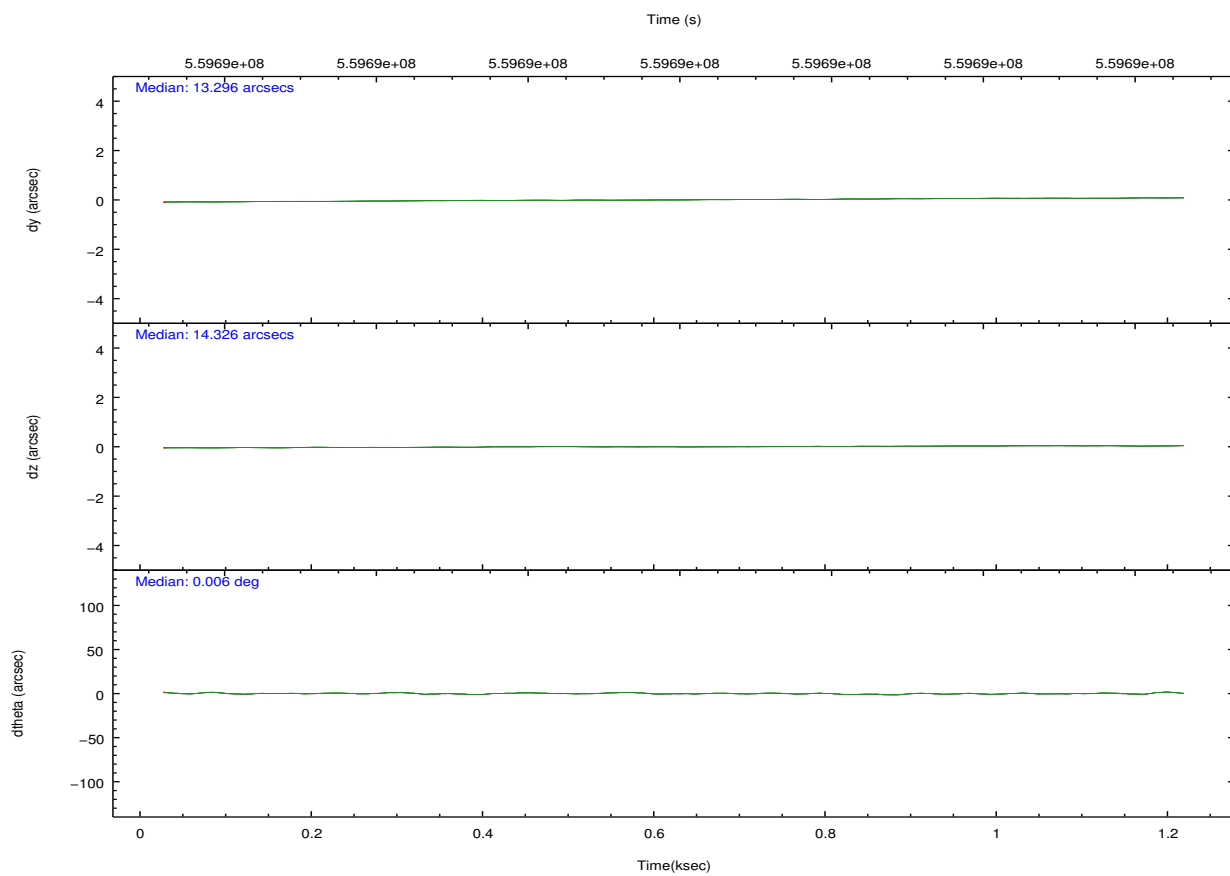
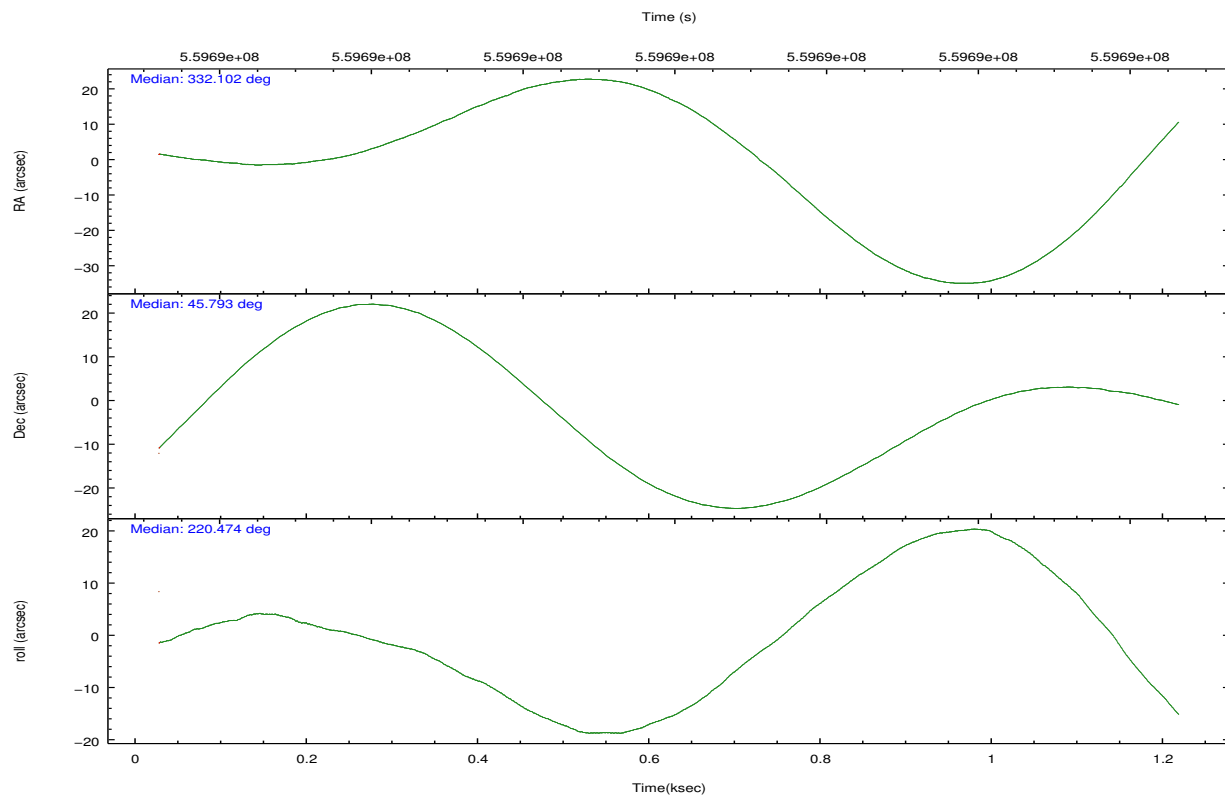
	segment 0
level 1 events	148194
rejected events	30876
rejected %	20%

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	332.114326	332.1011363194625			
[deg] Pointing Dec	45.817449	45.79234054390671			
[deg] Pointing Roll	220.562968	220.4770117755803			
[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)	559688602.184000	559688226.50704			
Observation start date	2015-09-26T21:02:14	2015-09-26T20:57:06			
[s] Observation end time (MET)	559689602.184000	559689736.84462			
Observation end date	2015-09-26T21:18:54	2015-09-26T21:22:16			

2.3 Aspect



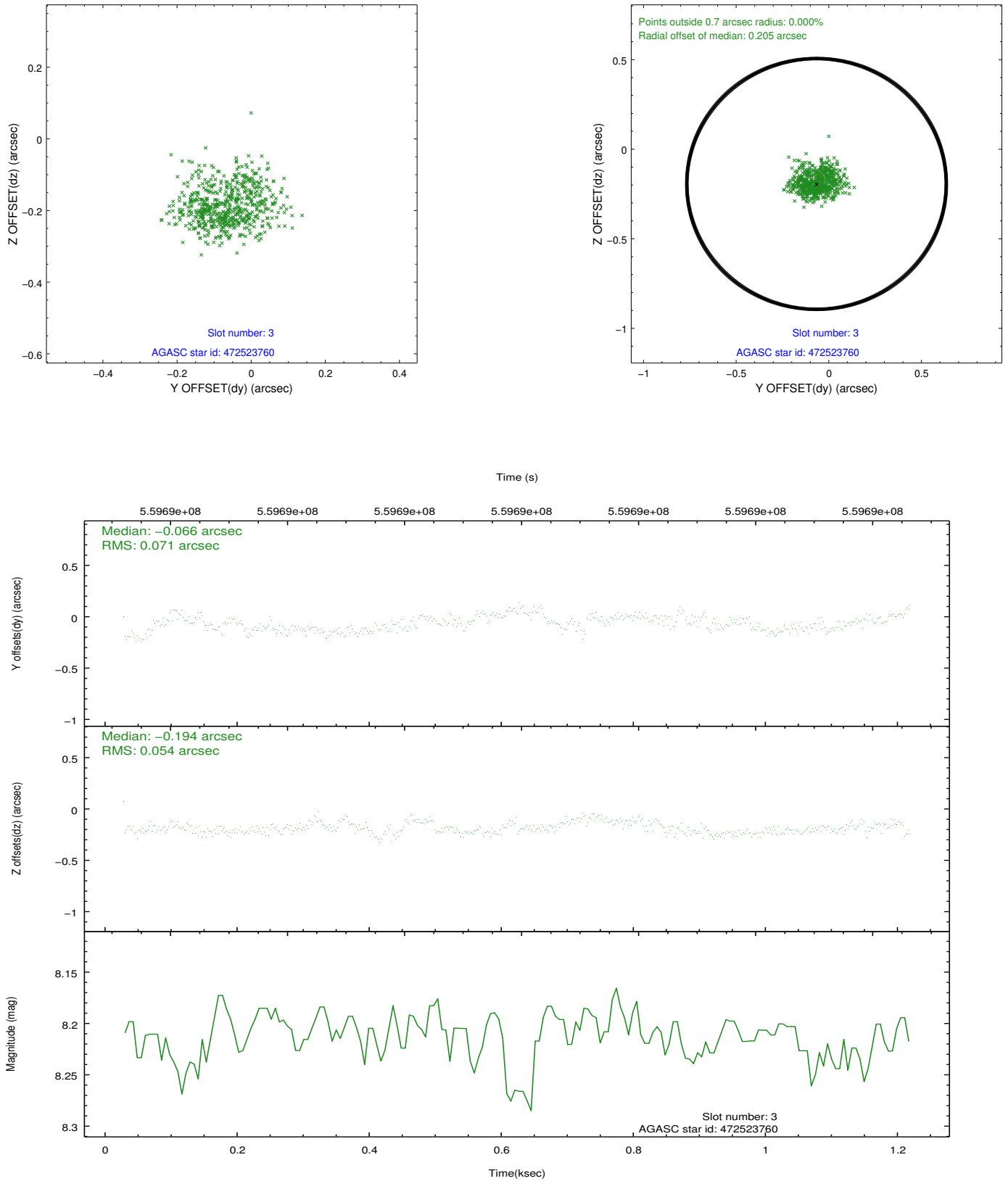


Slot Statistics

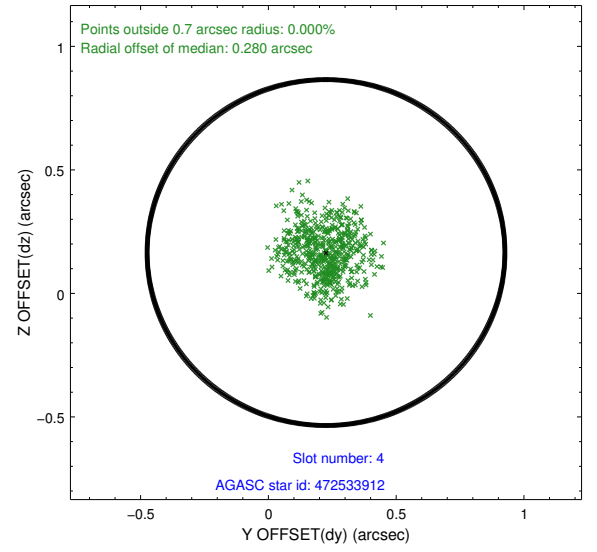
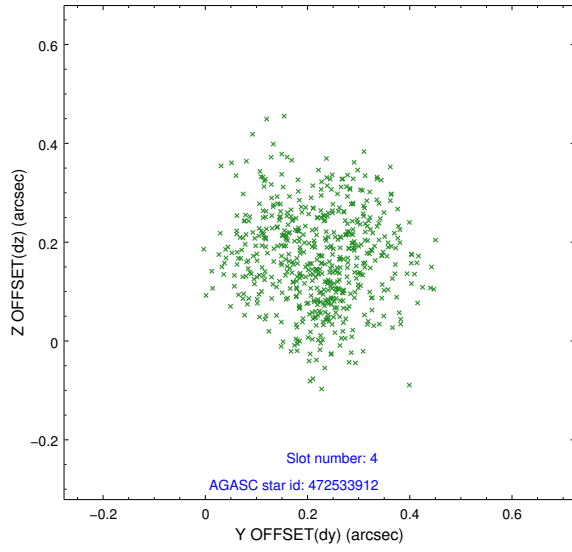
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	6.99	291	-0.183	-0.012	0.007	0.011	0.000000	0.000000	-769.19	-1302.43
1	FID		HRC-I-2	7.03	291	0.353	-0.136	0.006	0.010	0.000000	0.000000	841.34	-1308.54
2	FID		HRC-I-3	7.09	291	-0.051	0.059	0.006	0.012	0.000000	0.000000	-1194.73	997.70
3	GUIDE	used	472523760	8.21	582	-0.066	-0.194	0.097	0.154	331.645363	45.403260	1868.54	363.33
4	GUIDE	used	472533912	9.13	581	0.225	0.165	0.144	0.209	331.791136	46.368695	-677.56	-2026.01
5	GUIDE	used	472655152	9.41	582	-0.079	-0.077	0.143	0.226	332.504239	45.862991	-851.44	510.00
6	GUIDE	used	472665256	8.99	582	0.091	-0.118	0.113	0.174	332.808125	46.195041	-2203.07	90.65
7	GUIDE	used	472535576	7.86	581	-0.170	0.221	0.088	0.145	331.438373	46.291802	159.02	-2391.62

2.4 Star Slots

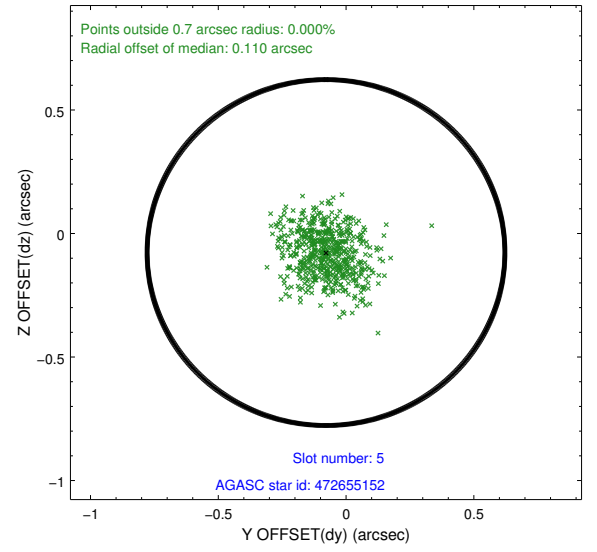
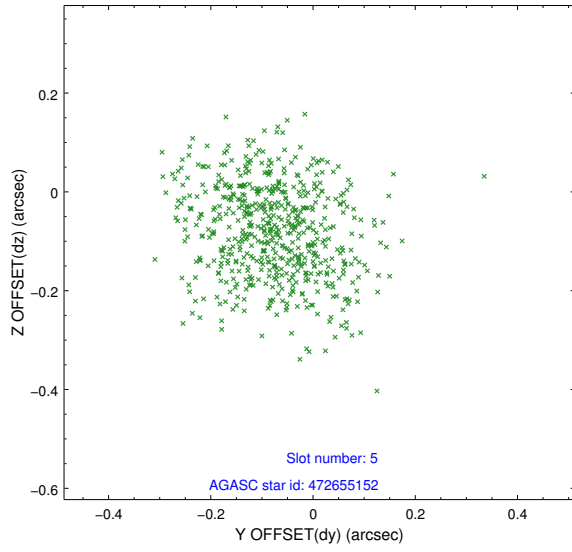
2.4.1 Slot 3



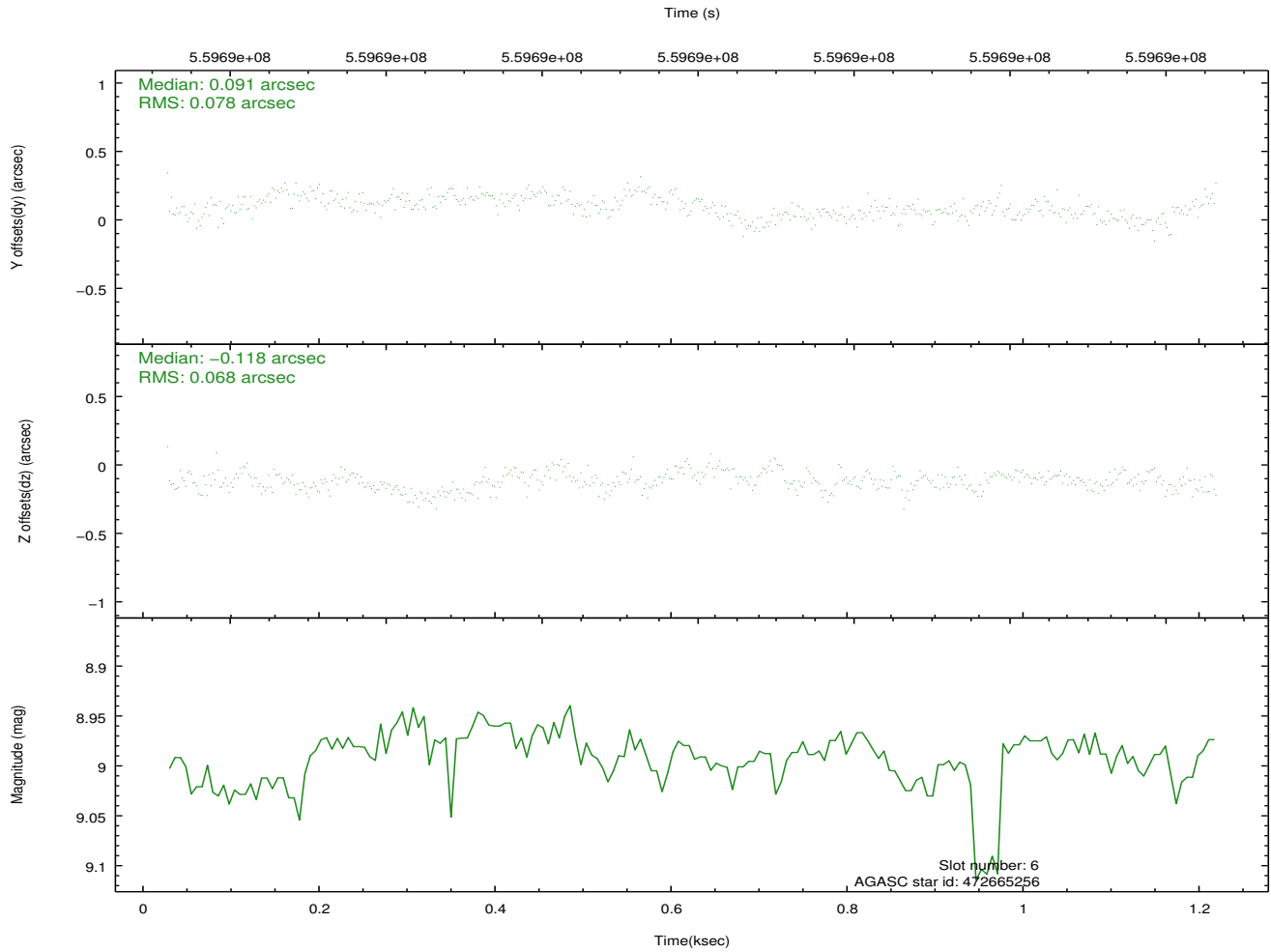
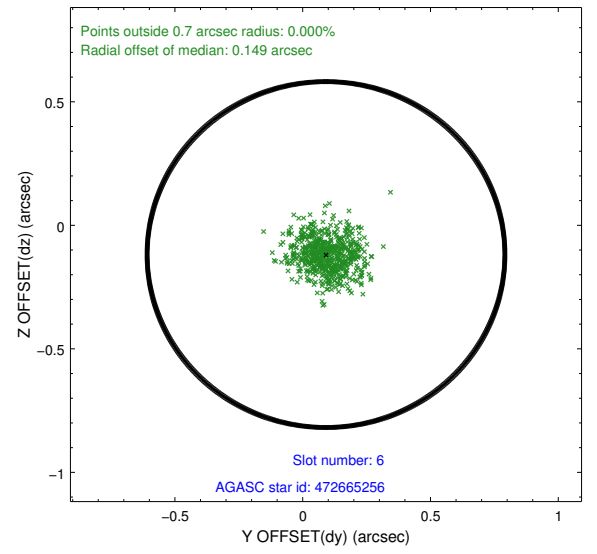
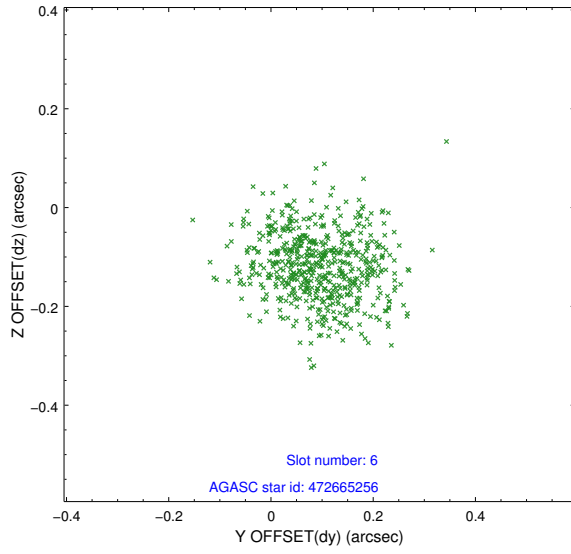
2.4.2 Slot 4



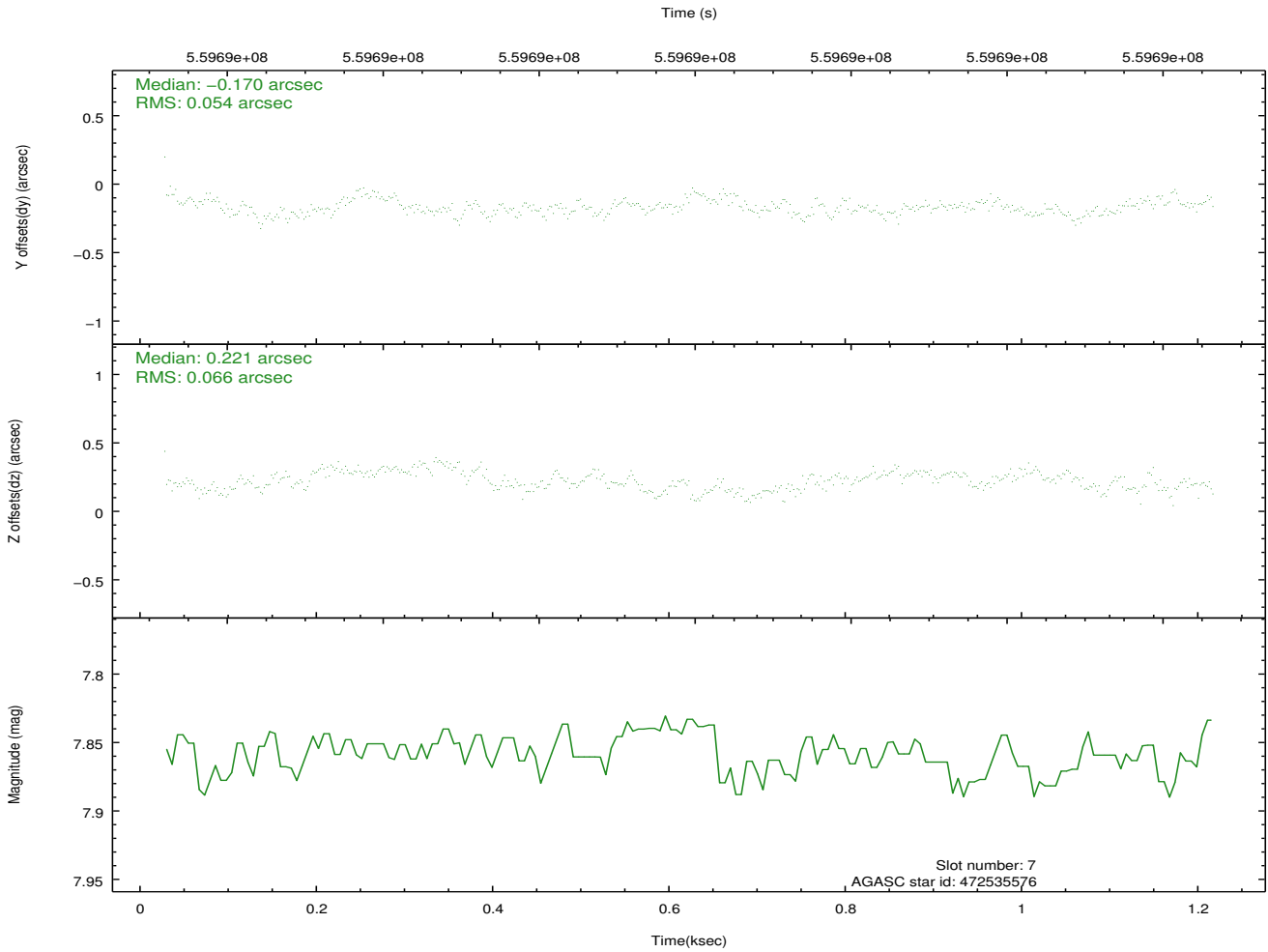
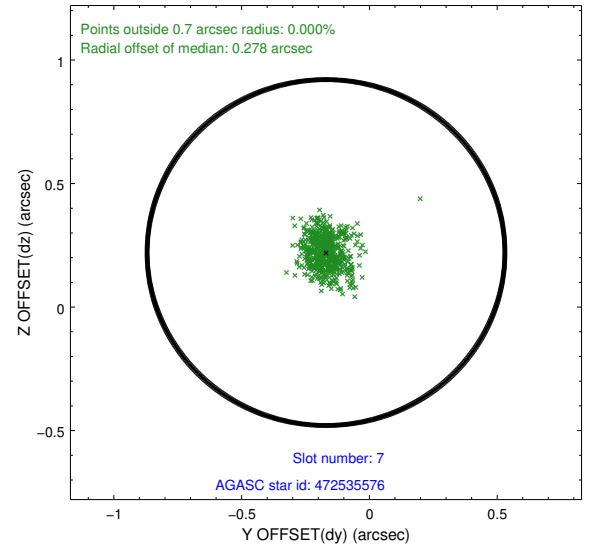
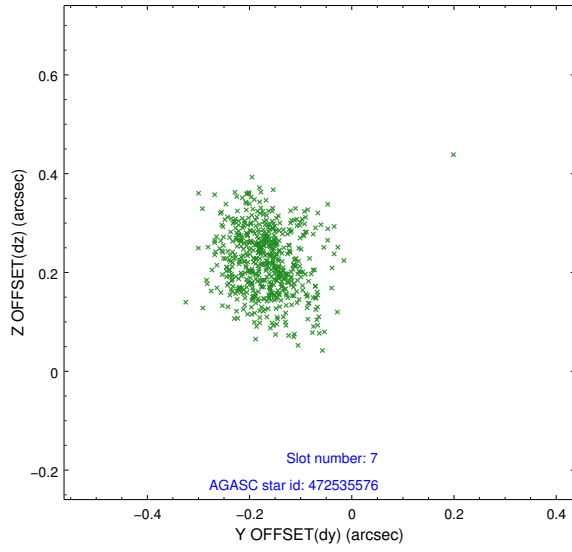
2.4.3 Slot 5



2.4.4 Slot 6

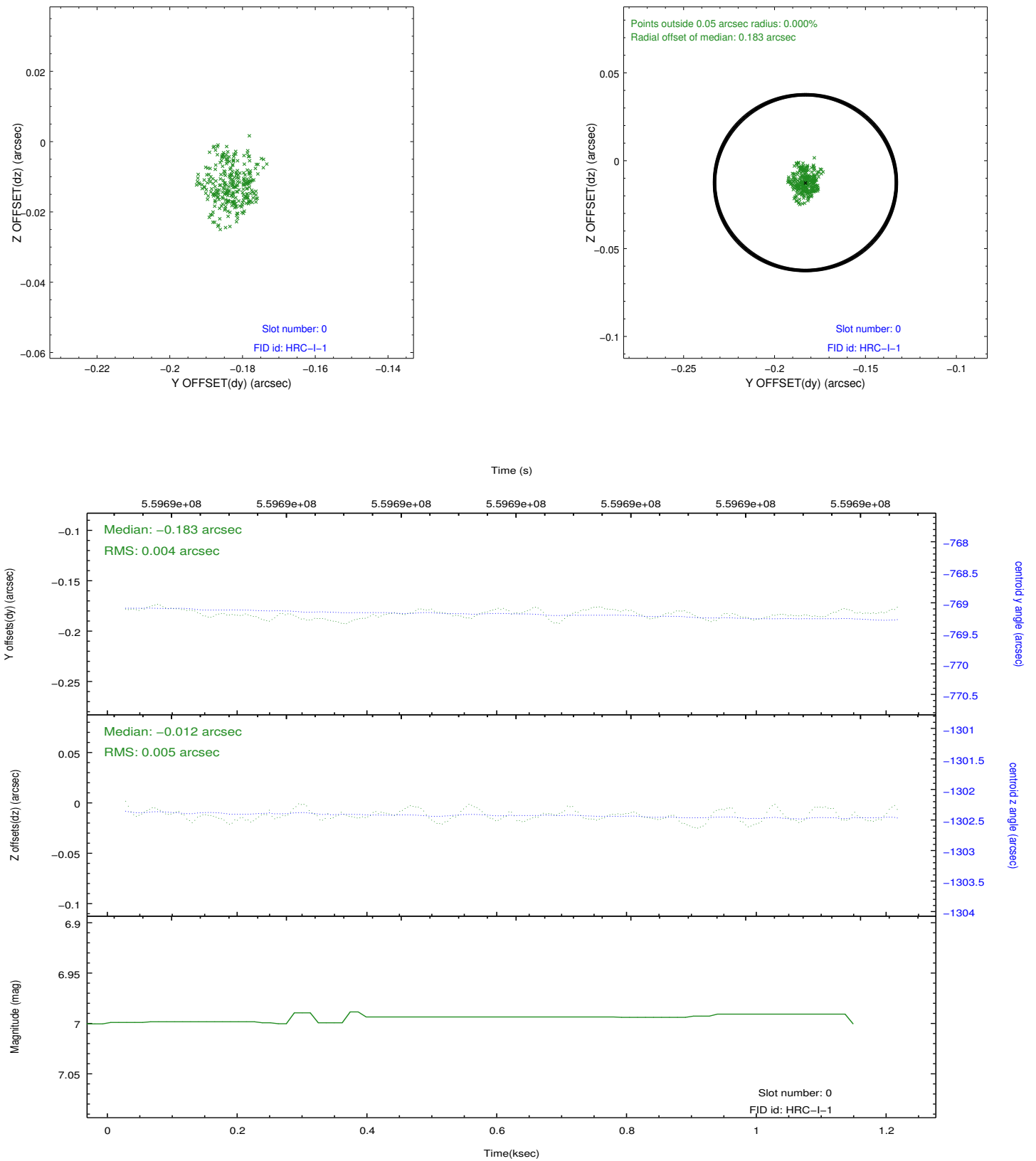


2.4.5 Slot 7

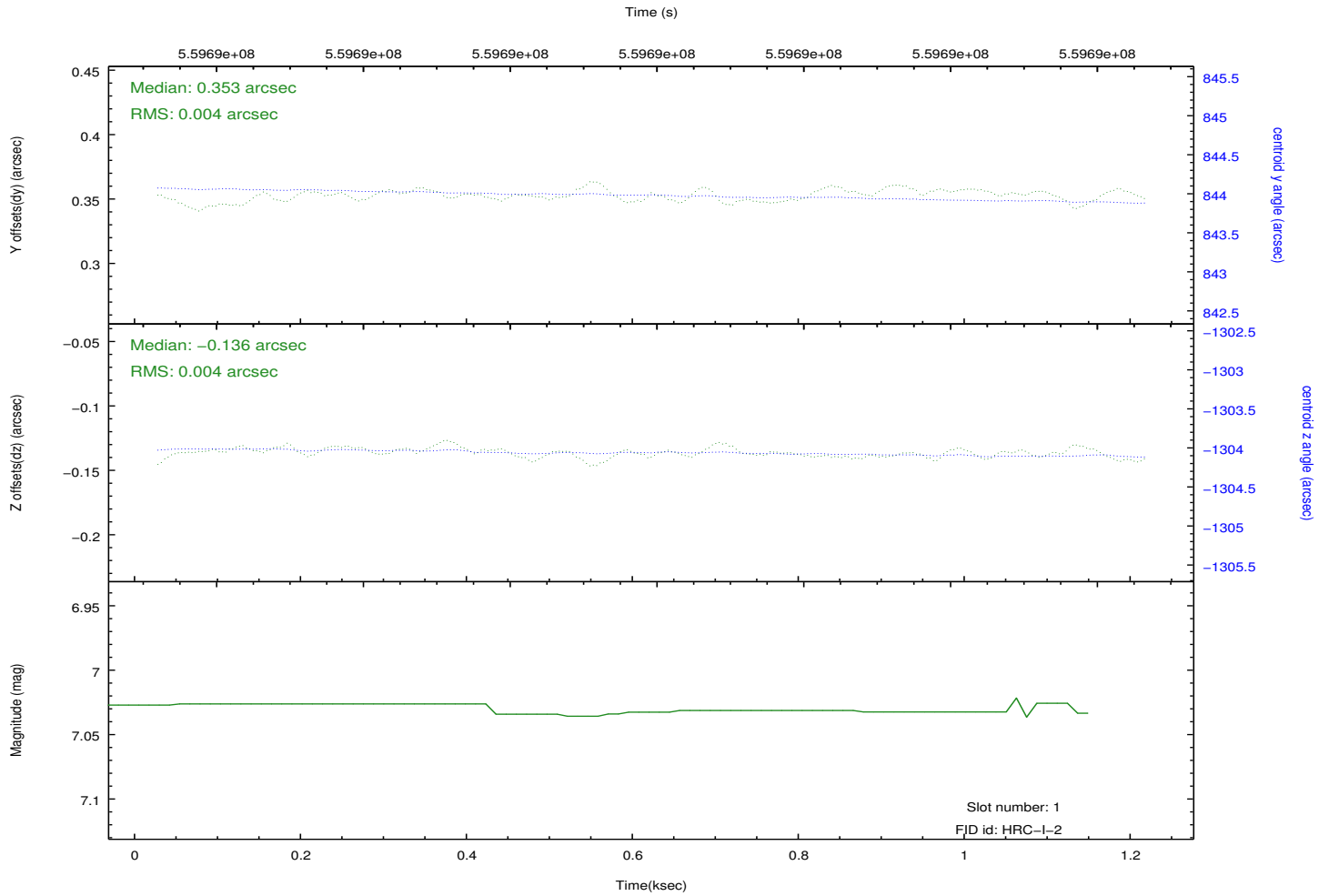
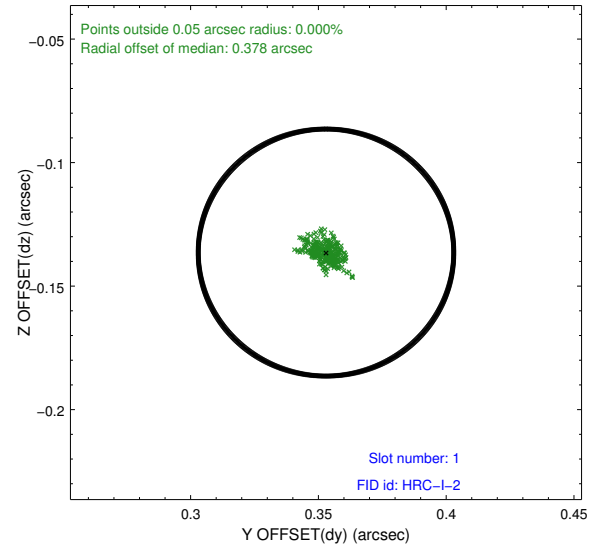
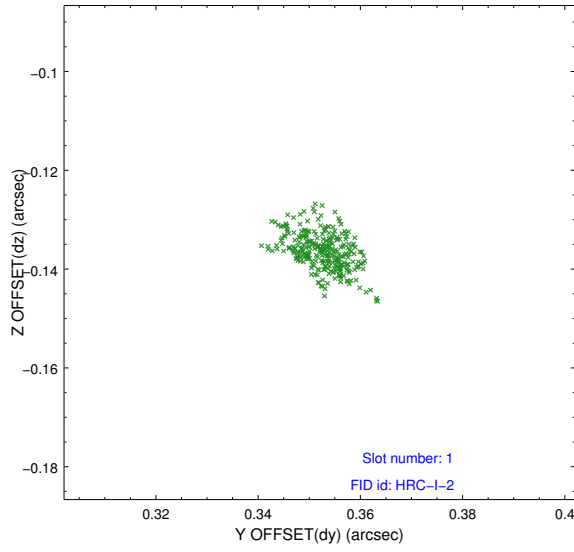


2.5 FID Slots

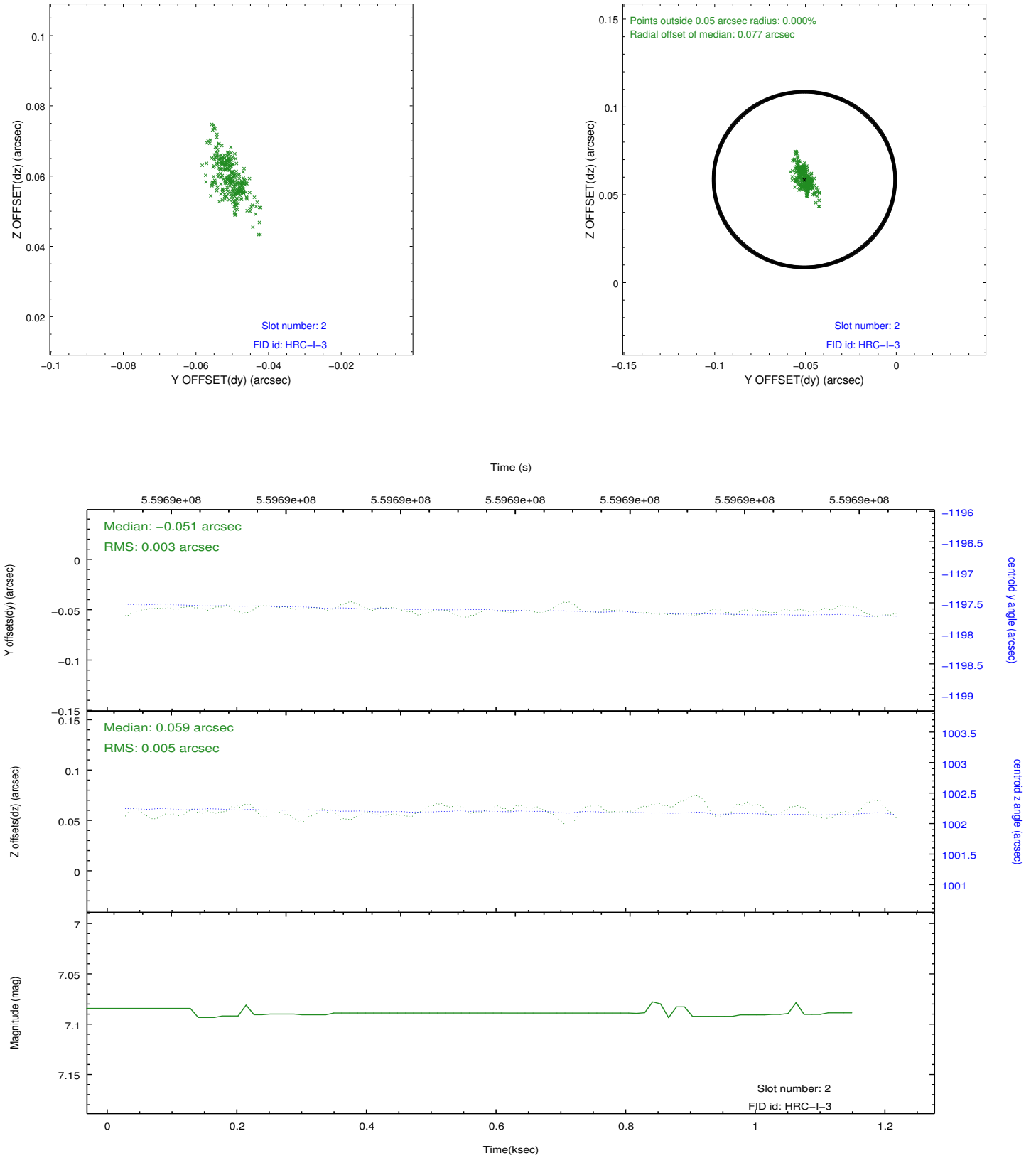
2.5.1 Slot 0



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)	2015.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1902813173532

A.2 Comments