

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 5070 - L2 Version 4
Chandra X-Ray Center

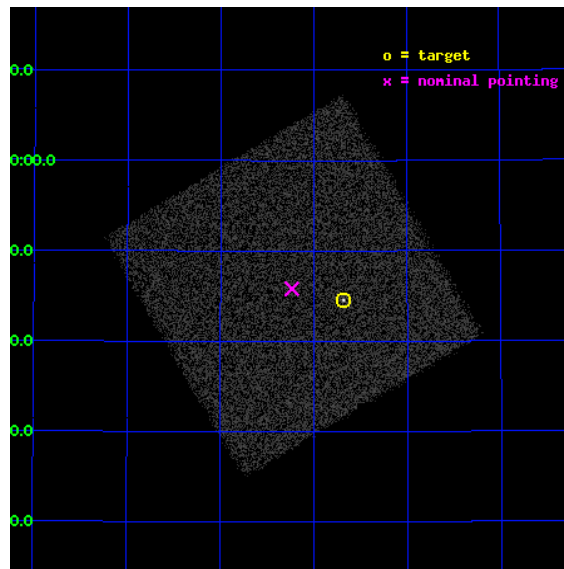
L2 Processing Date : Dec 11 2012

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1 Front

seq_num	290343	Sequence number
obs_id	5070	Observation id
title	AO5 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	332.30873949767	Nominal RA [deg]
dec_nom	45.763488931958	Nominal Dec [deg]
roll_nom	284.42971311383	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1085.7312988043	[s]
livetime	1077.8917979593	Ontime multiplied by DTCOR
l2events	43729	Number of level 2 events

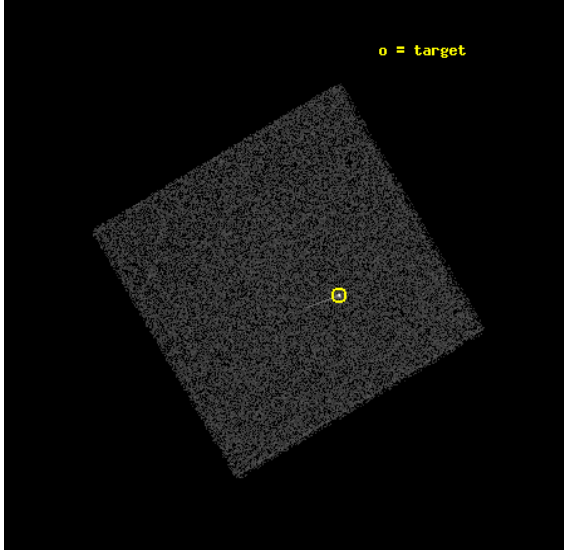


2 OBI

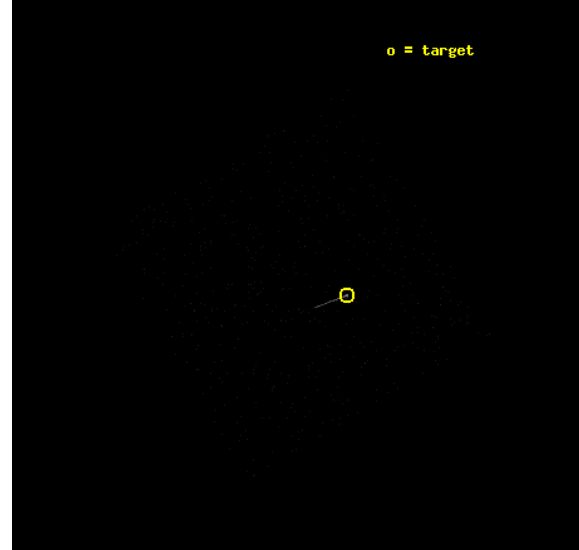
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	900.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	1085.7312988043	[s]
caldbver	4.5.4	 	l1events	82127	Number of level 1 events
date	2012-12-11T23:42:58	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

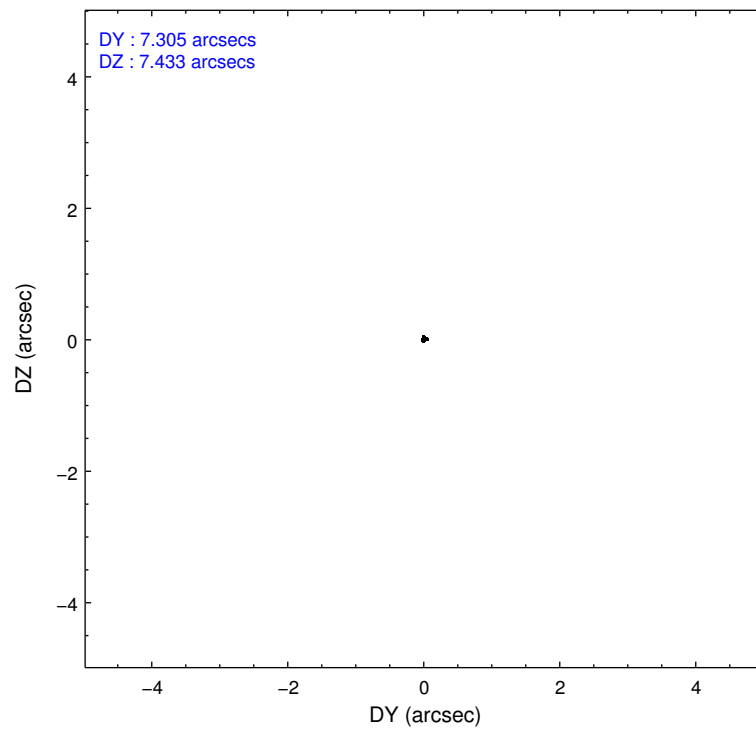
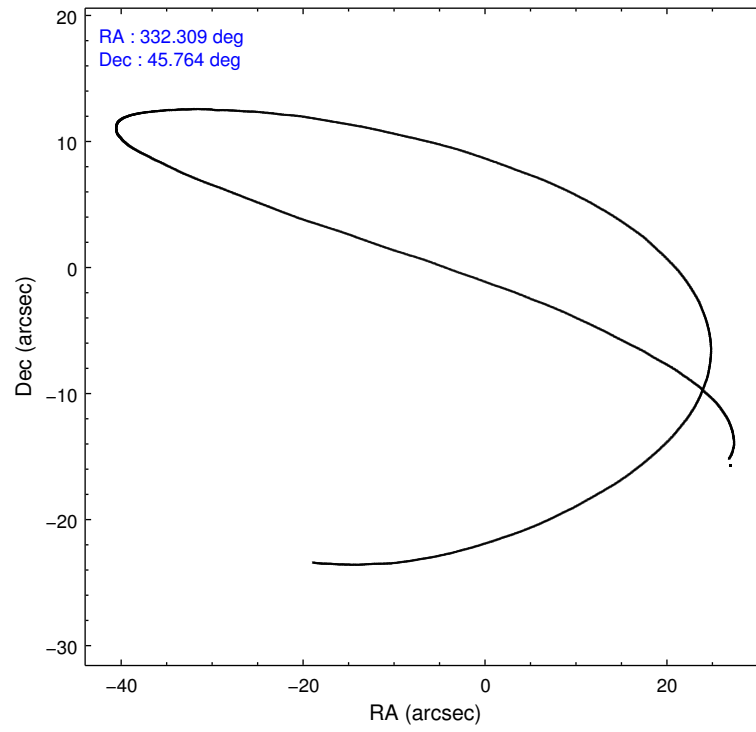
Level 1 Events

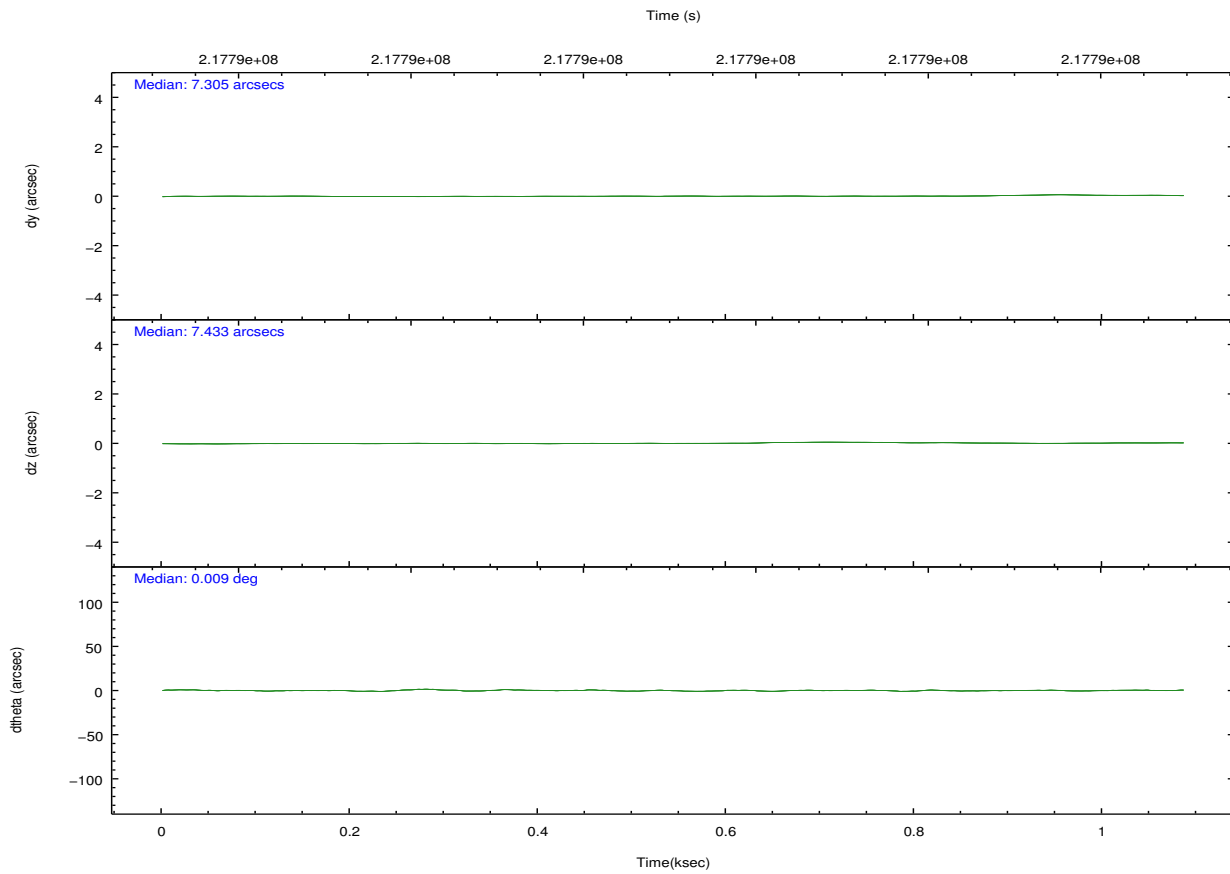
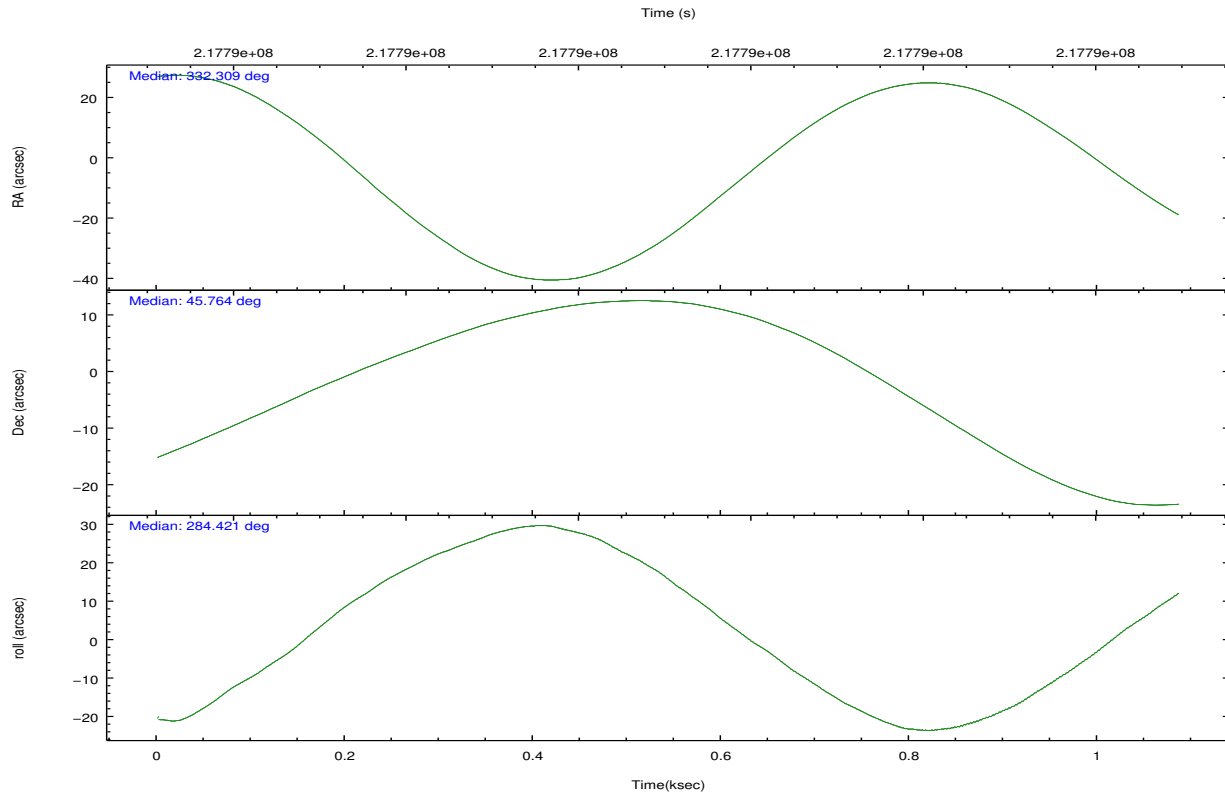
	segment 0
level 1 events	82127
rejected events	18498
rejected %	22%

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	332.280016	332.3087394976736			
[deg] Pointing Dec	45.782251	45.76348893195768			
[deg] Pointing Roll	284.545815	284.4297131138287			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9854943052878			
[mm] SIM translation stage offset	0	-5.413686238853188e-06			
[s] Observation start time (MET)	217788747.184000	217788371.19584			
Observation start date	2004-11-25T16:51:23	2004-11-25T16:46:11			
[s] Observation end time (MET)	217789647.184000	217789781.0834			
Observation end date	2004-11-25T17:06:23	2004-11-25T17:09:41			

2.3 Aspect



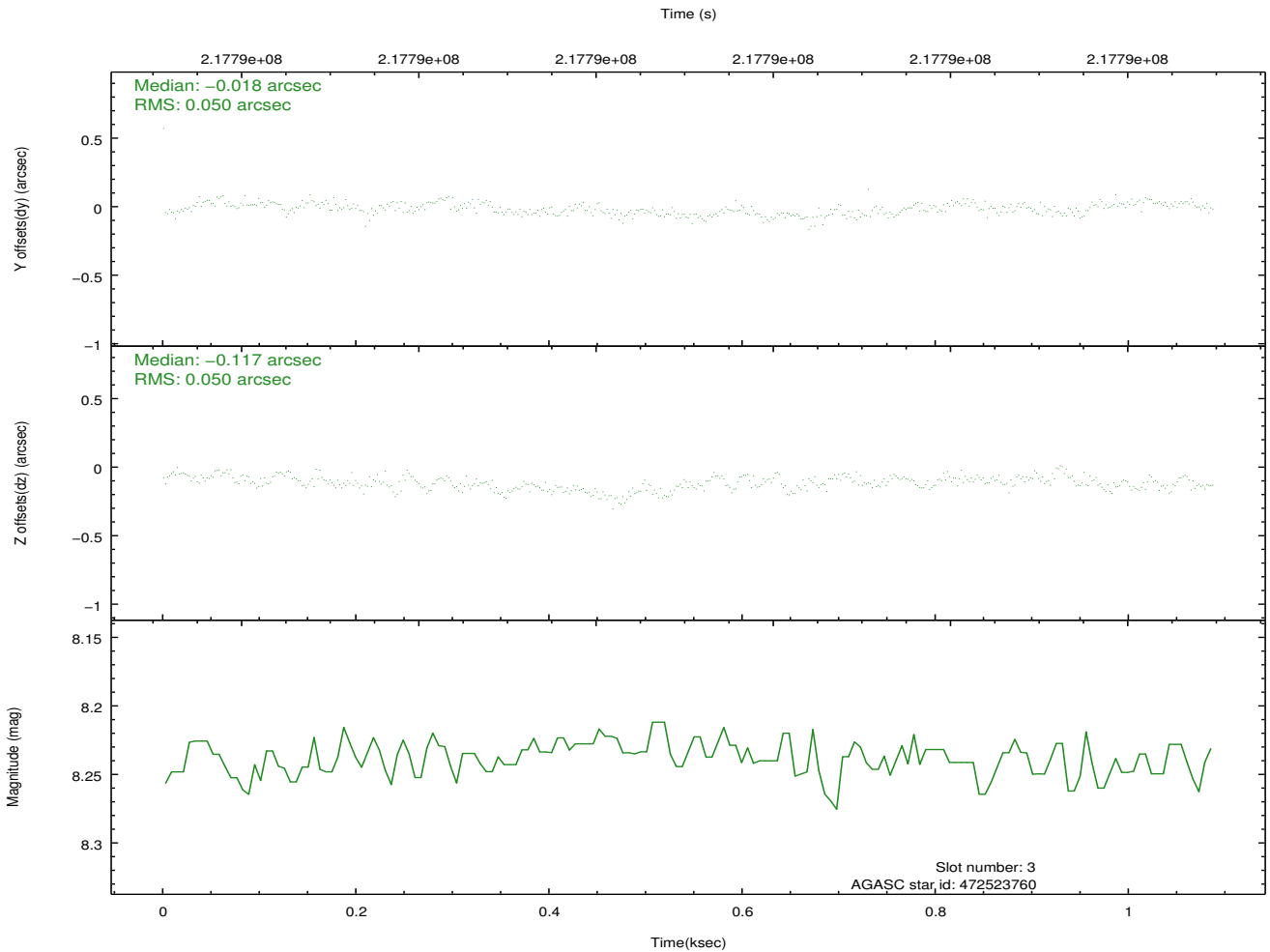
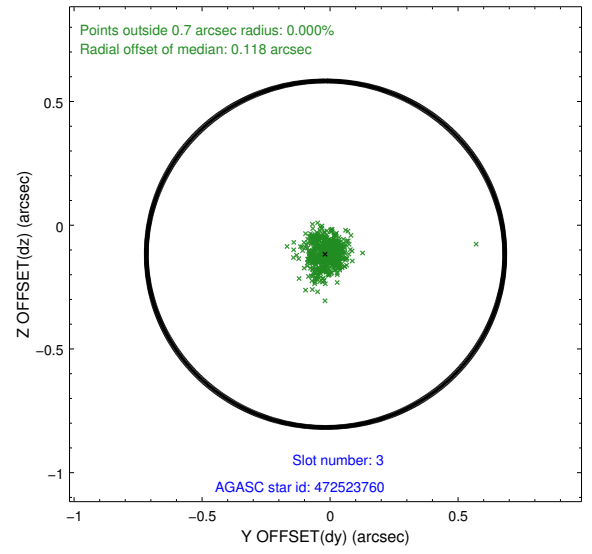
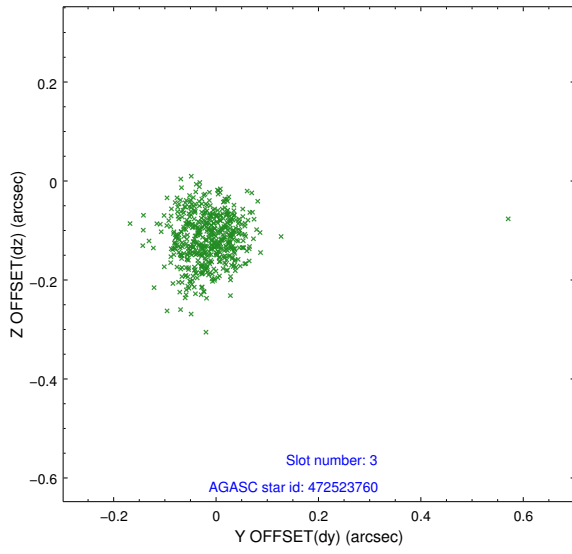


Slot Statistics

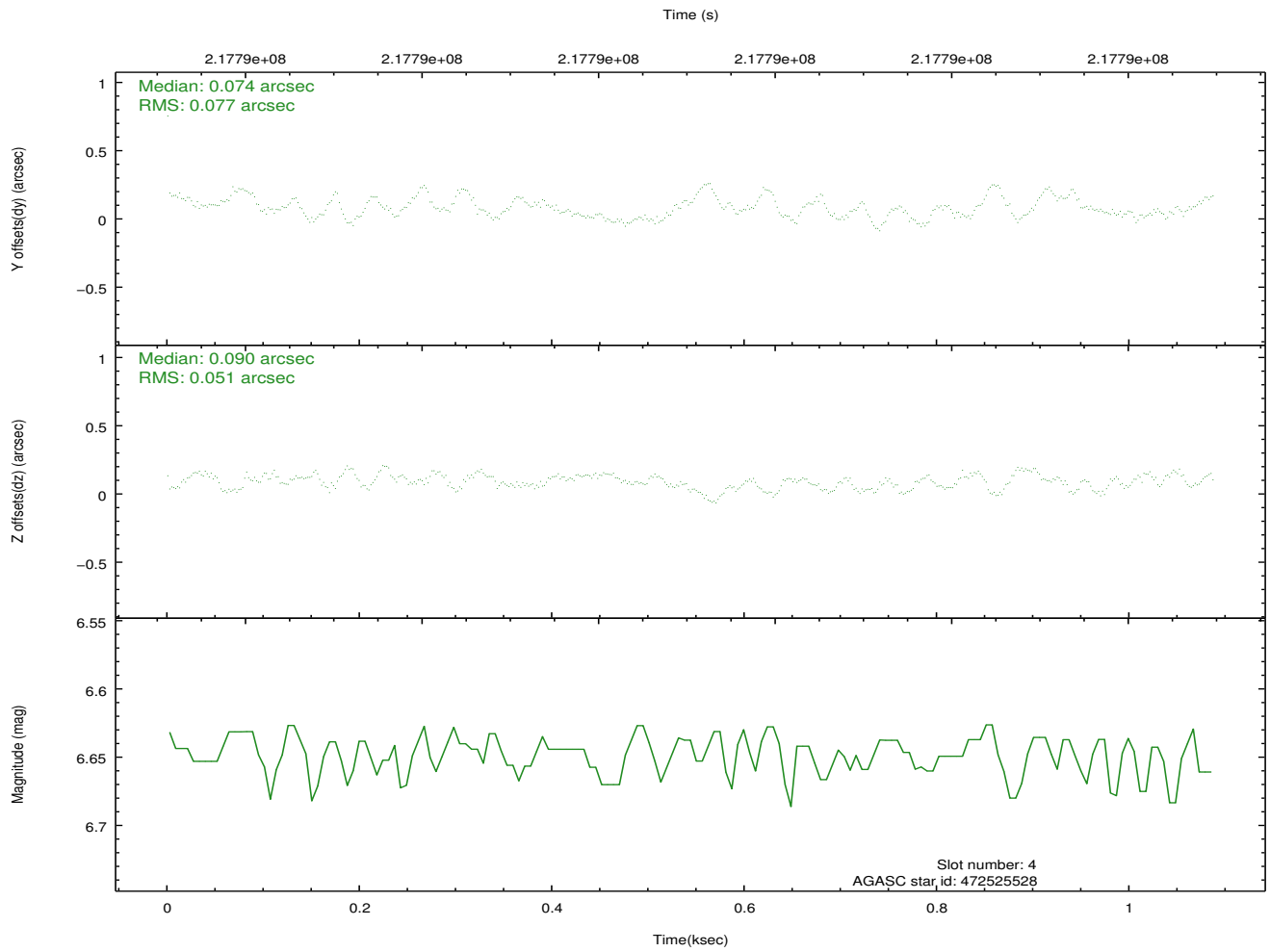
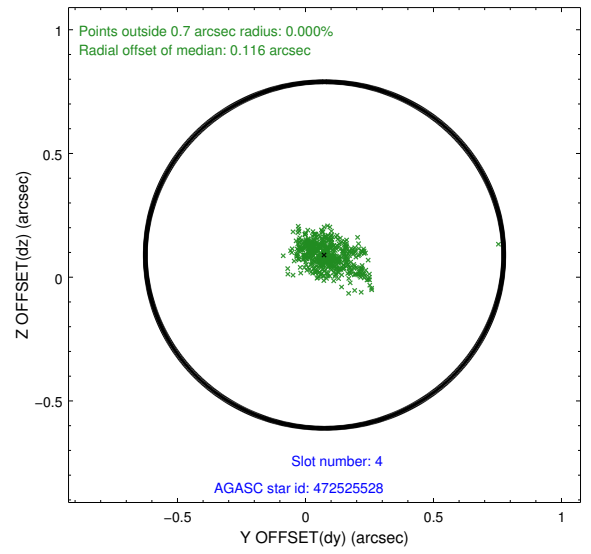
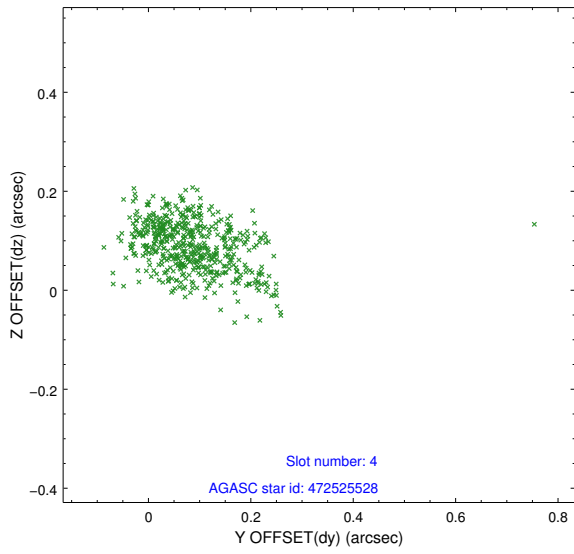
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.01	265	0.009	0.028	0.008	0.011	0.000000	0.000000	-762.91	-1295.31
1	FID	HRC-I-2	7.05	265	0.132	-0.112	0.006	0.010	0.000000	0.000000	846.97	-1301.93
2	FID	HRC-I-3	7.09	265	-0.021	-0.006	0.005	0.010	0.000000	0.000000	-1188.21	1004.31
3	GUIDE	472523760	8.24	531	-0.018	-0.117	0.070	0.113	331.645363	45.403260	912.21	-1895.88
4	GUIDE	472525528	6.65	531	0.074	0.090	0.091	0.157	331.551102	45.248694	1389.62	-2273.88
5	GUIDE	472659832	9.46	531	-0.031	0.048	0.106	0.174	332.780399	46.098139	-788.16	1489.29
6	GUIDE	472533912	9.15	531	-0.114	0.028	0.094	0.148	331.791136	46.368695	-2353.34	-643.90
7	GUIDE	472655152	9.43	529	0.083	-0.036	0.119	0.200	332.504239	45.862991	-145.03	613.95

2.4 Star Slots

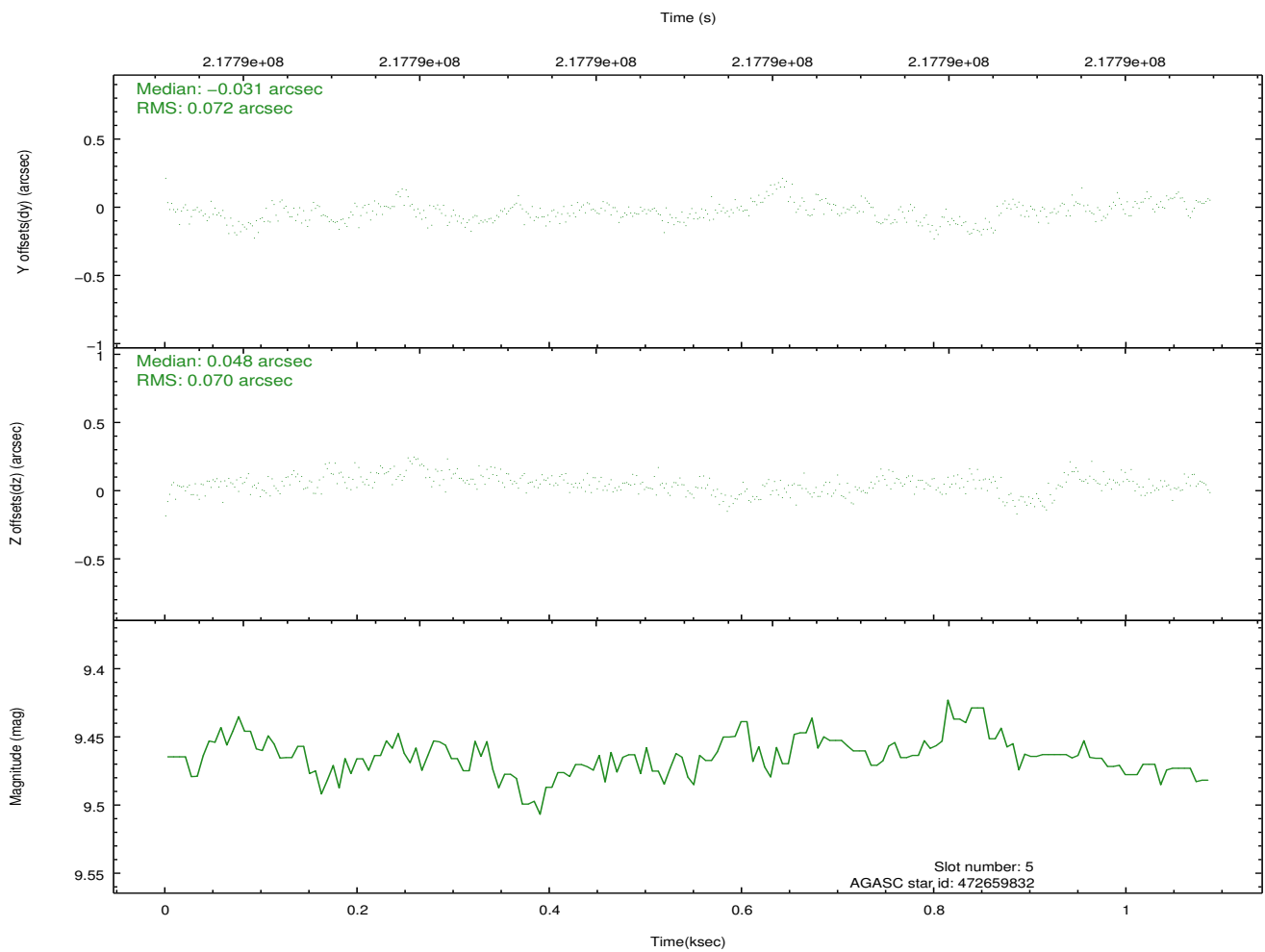
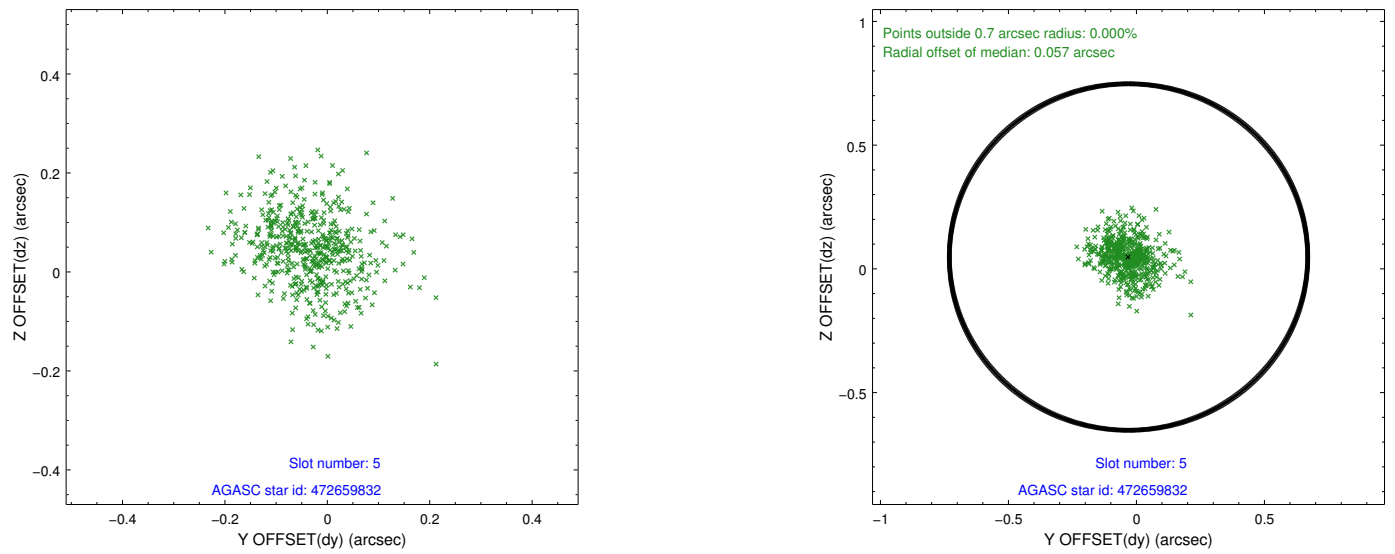
2.4.1 Slot 3



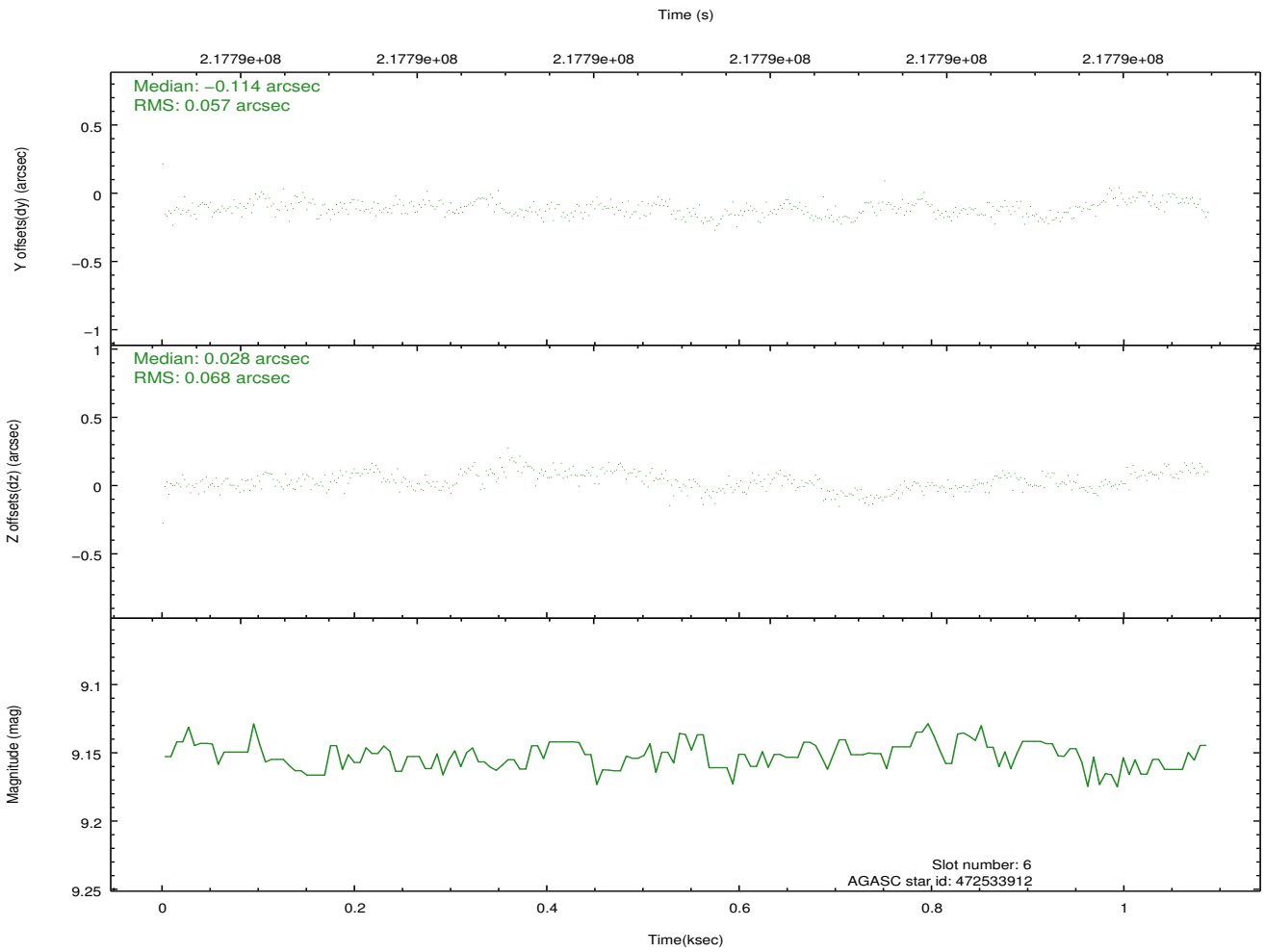
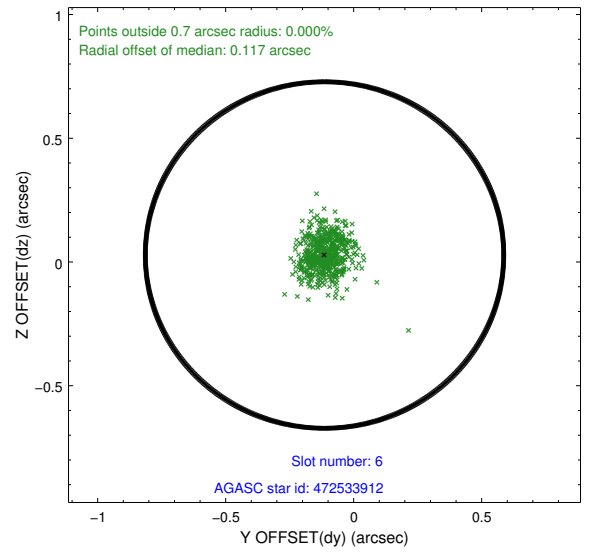
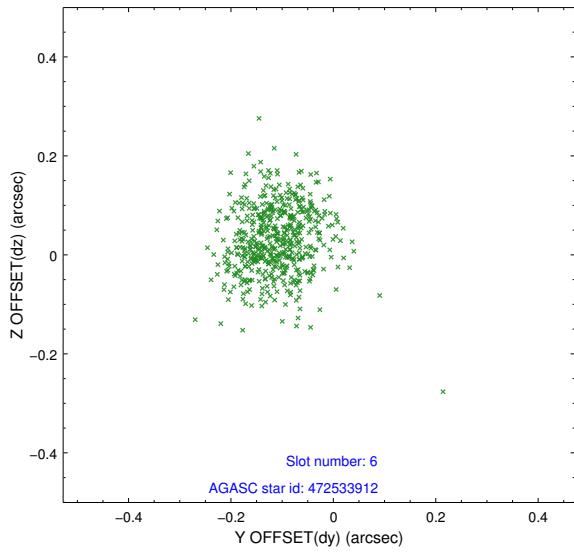
2.4.2 Slot 4



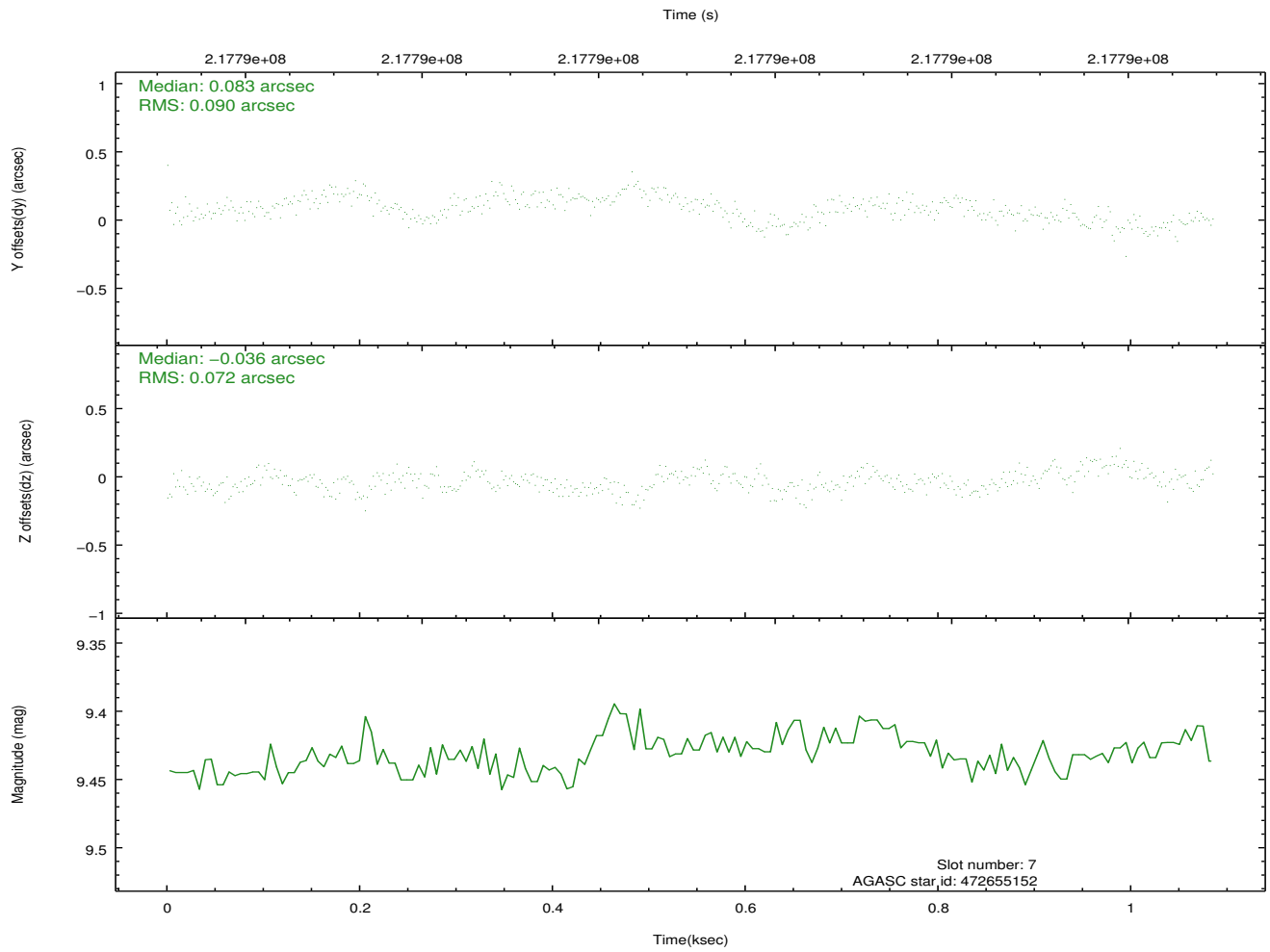
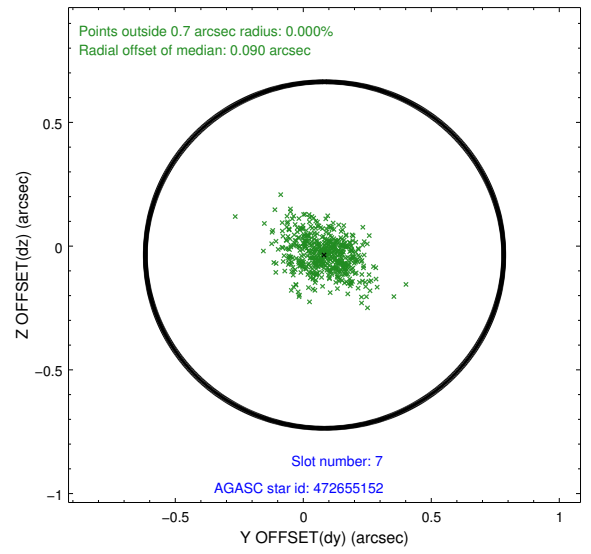
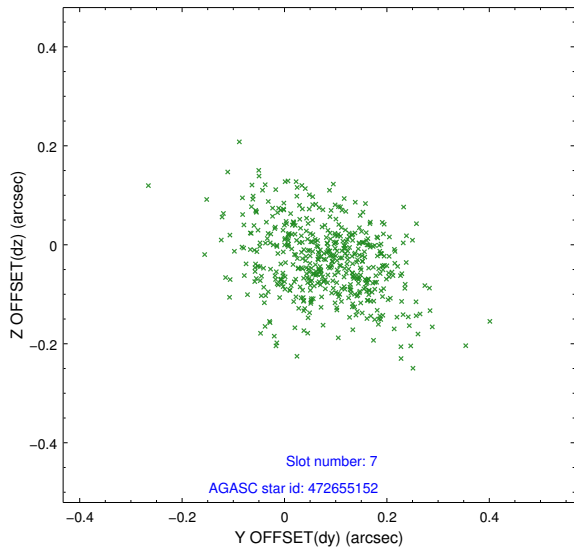
2.4.3 Slot 5



2.4.4 Slot 6

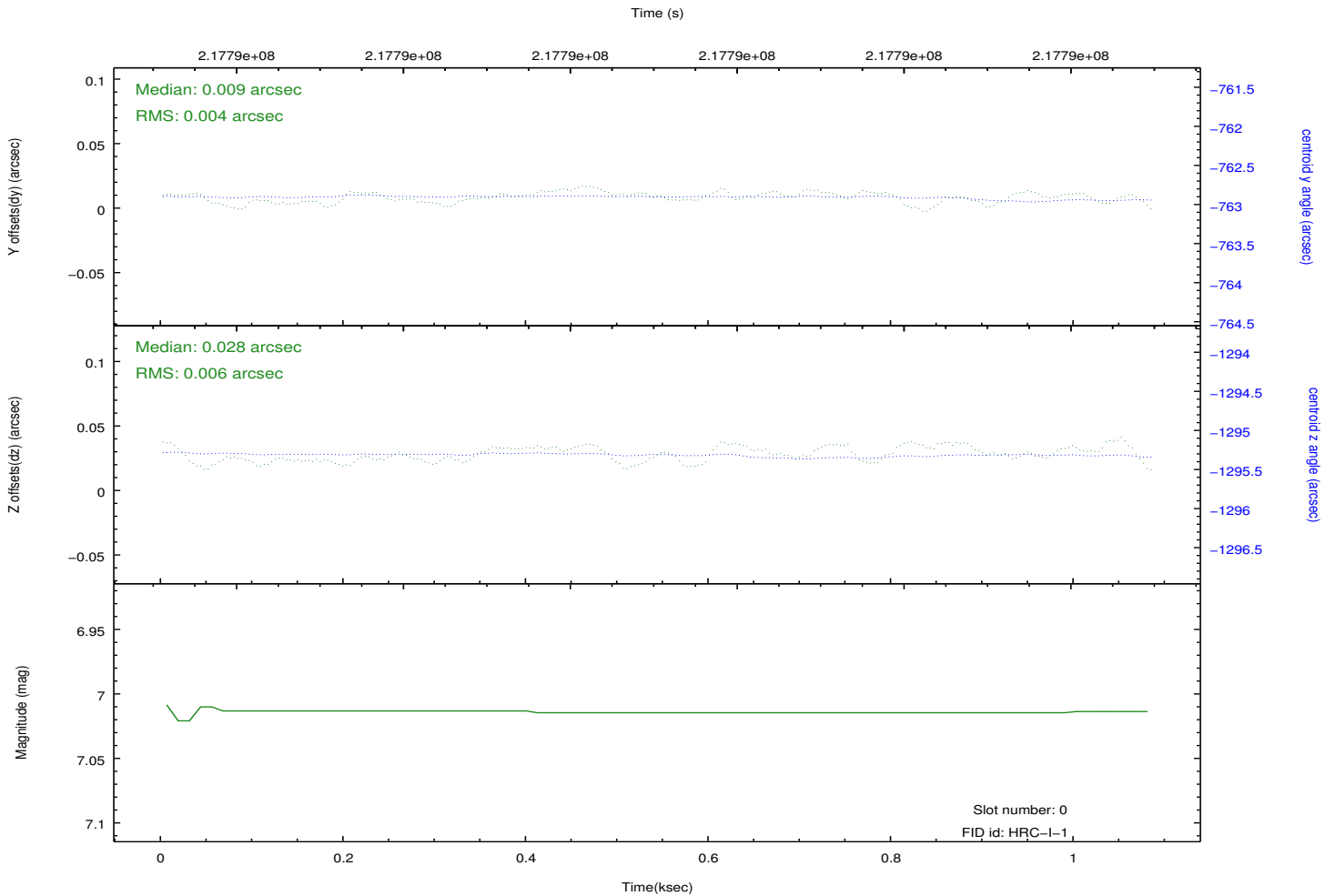
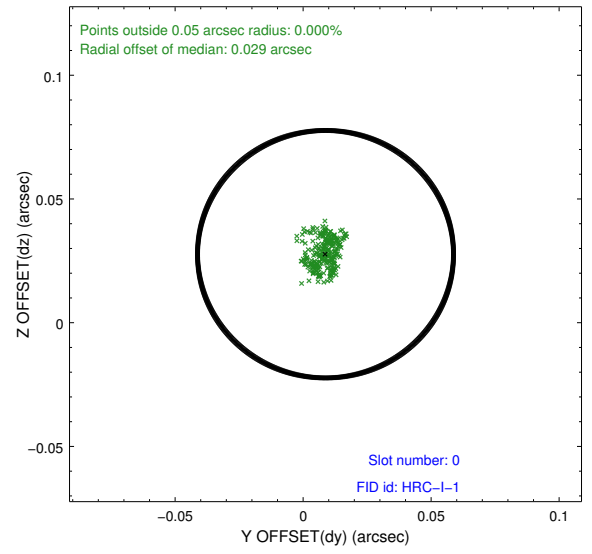
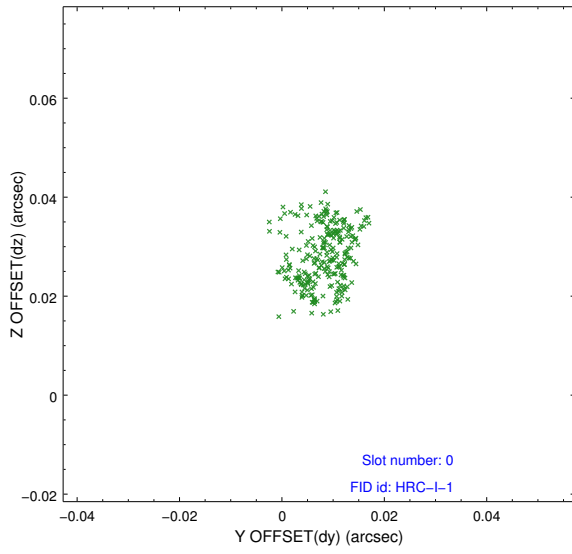


2.4.5 Slot 7

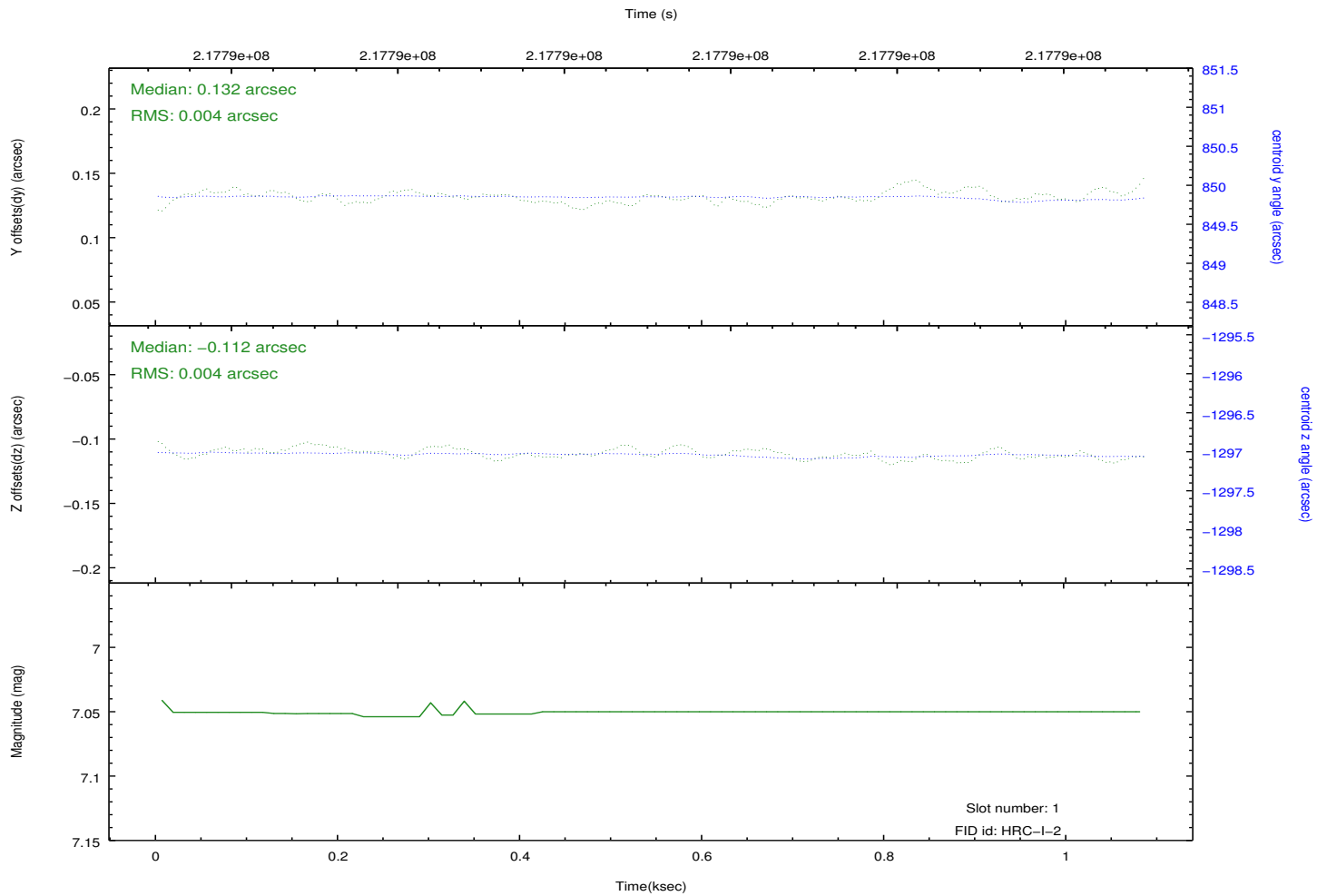
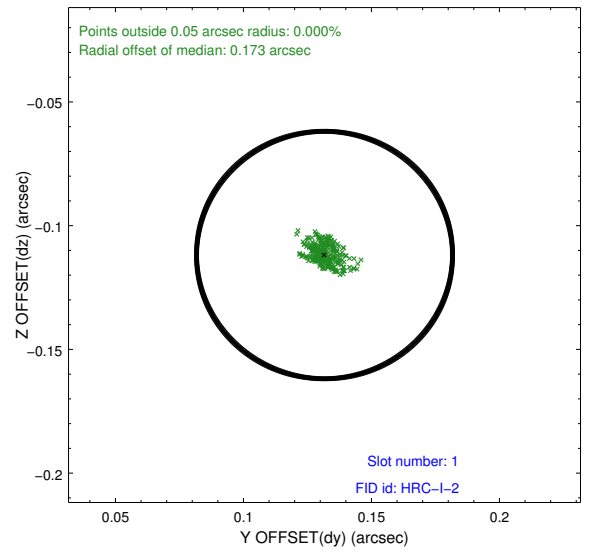
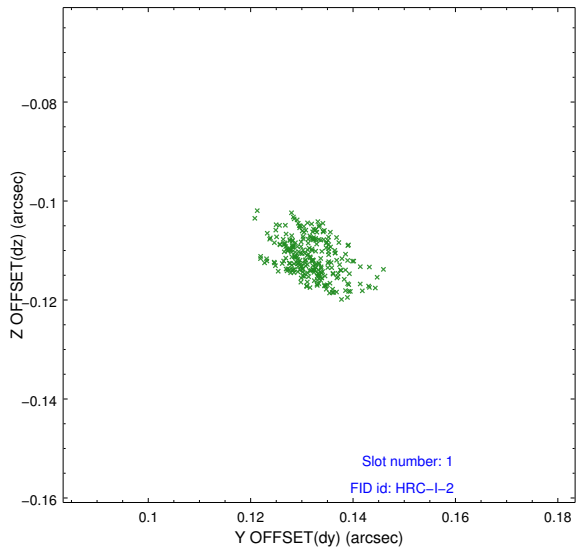


2.5 FID Slots

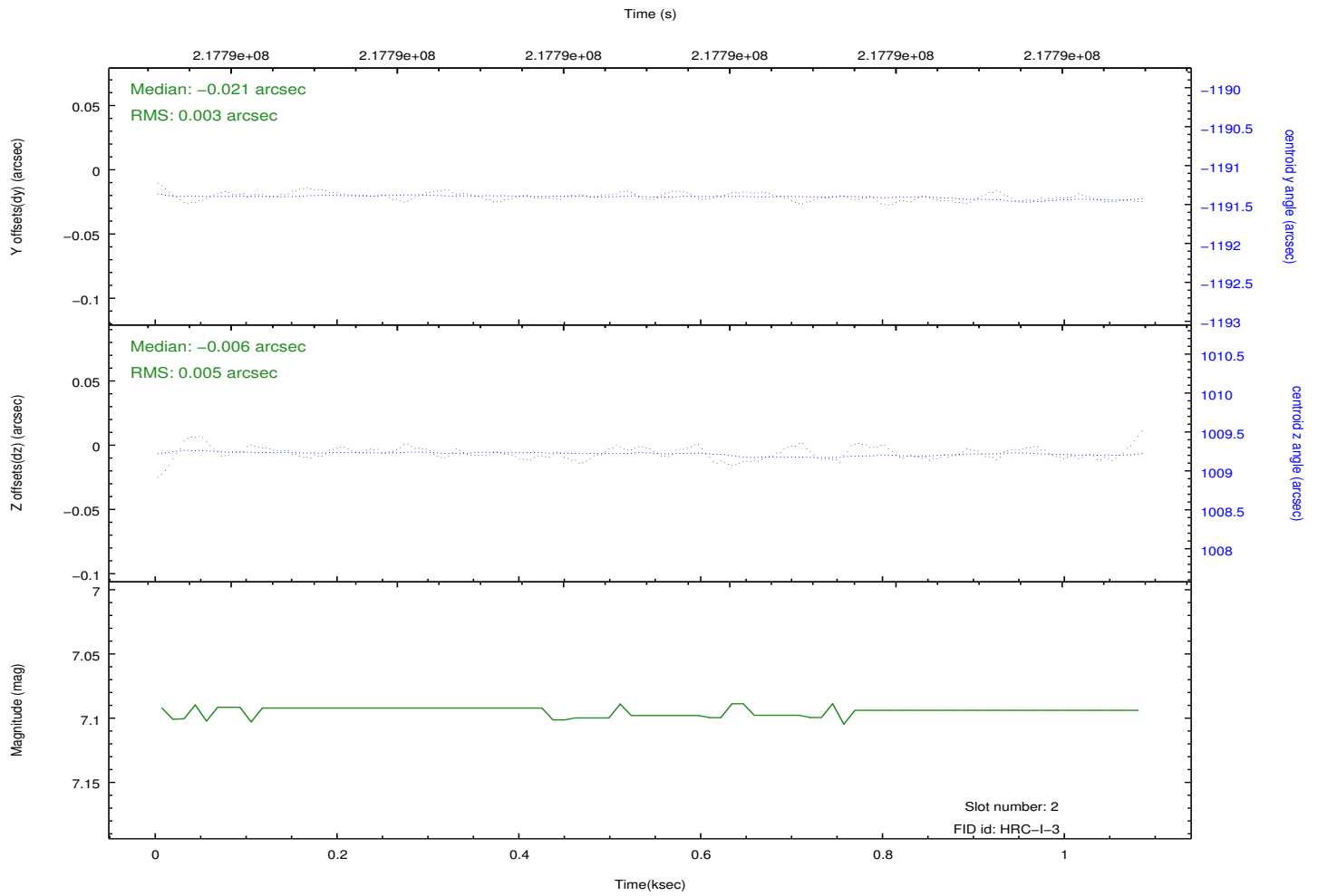
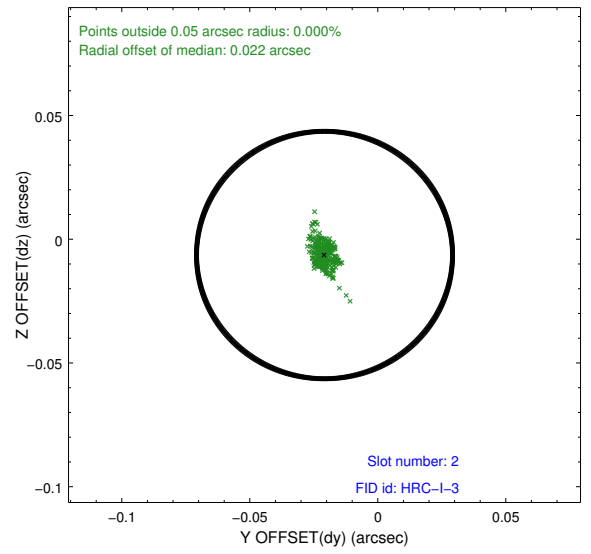
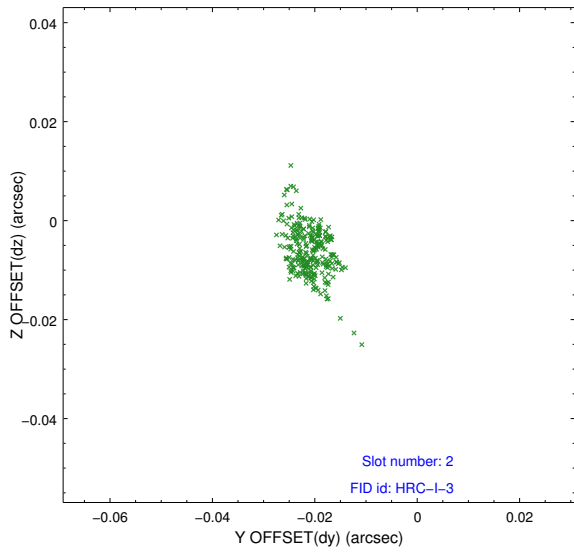
2.5.1 Slot 0



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)	2013.01.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.085475

A.2 Comments