

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 5072 - L2 Version 4
Chandra X-Ray Center

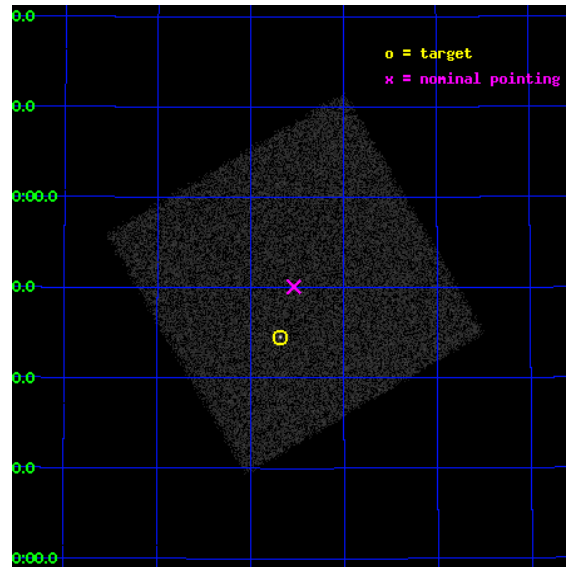
L2 Processing Date : Dec 11 2012

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

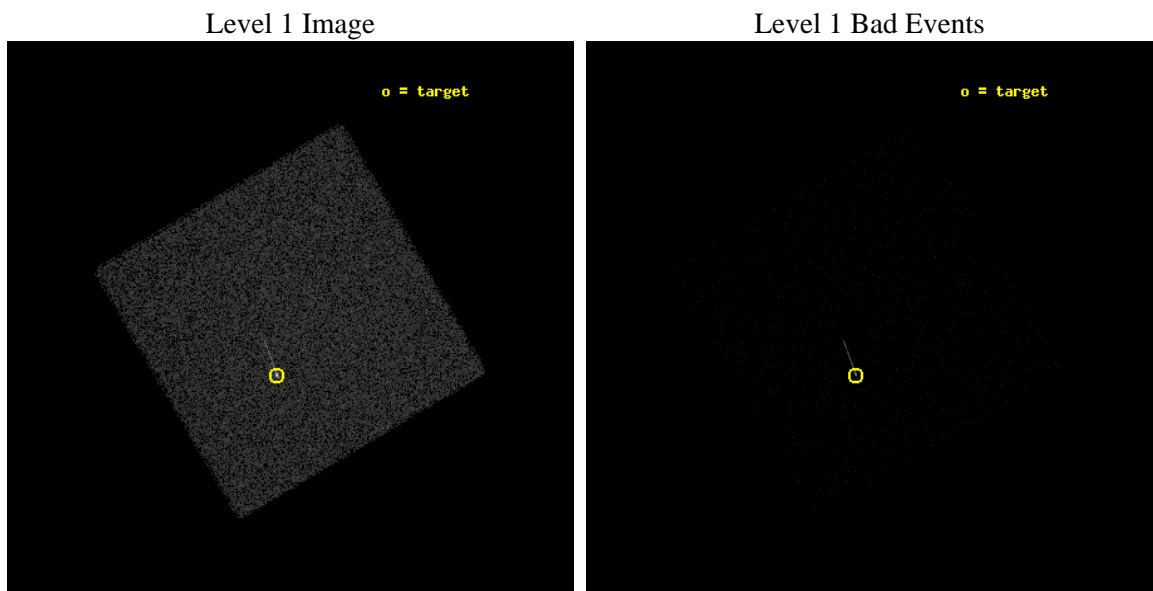
seq_num	290345	Sequence number
obs_id	5072	Observation id
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.13385329185	Nominal RA [deg]
dec_nom	45.835080165153	Nominal Dec [deg]
roll_nom	284.55726412457	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1079.5812985003	[s]
livetime	1070.9271259983	Ontime multiplied by DTCOR
l2events	53359	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	900.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	1079.5812985003	[s]
caldbver	4.5.4	 	l1events	105026	Number of level 1 events
date	2012-12-11T23:42:21	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

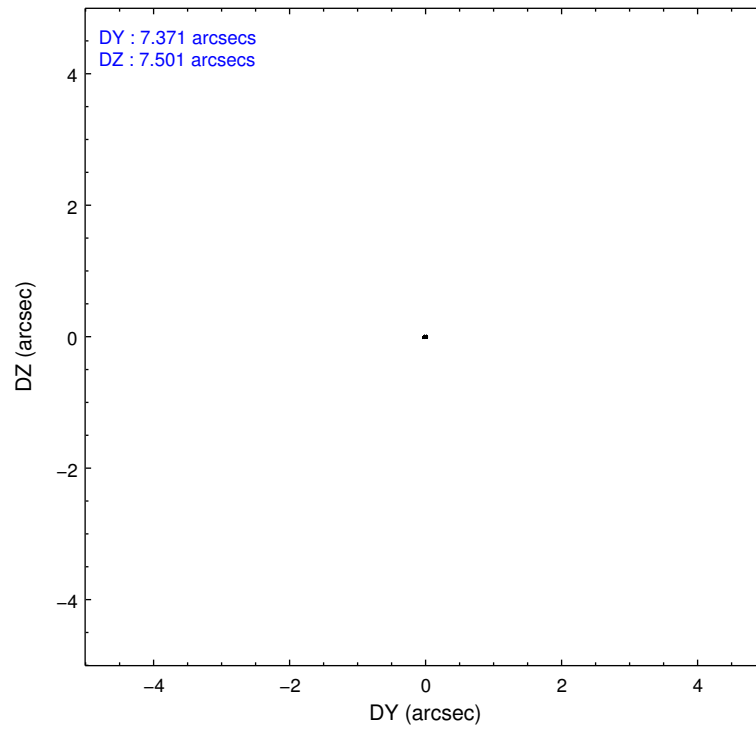
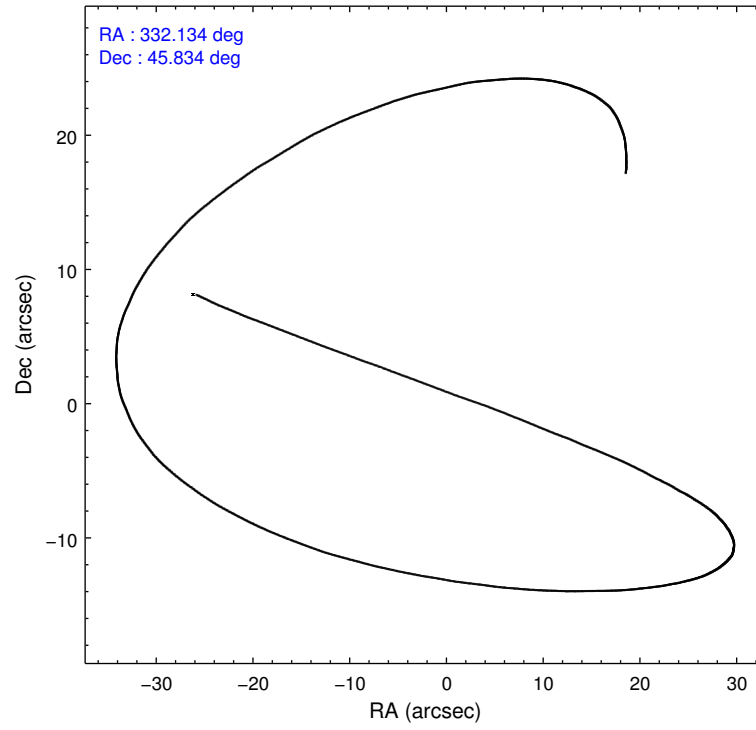
	segment 0
level 1 events	105026
rejected events	29361
rejected %	27%

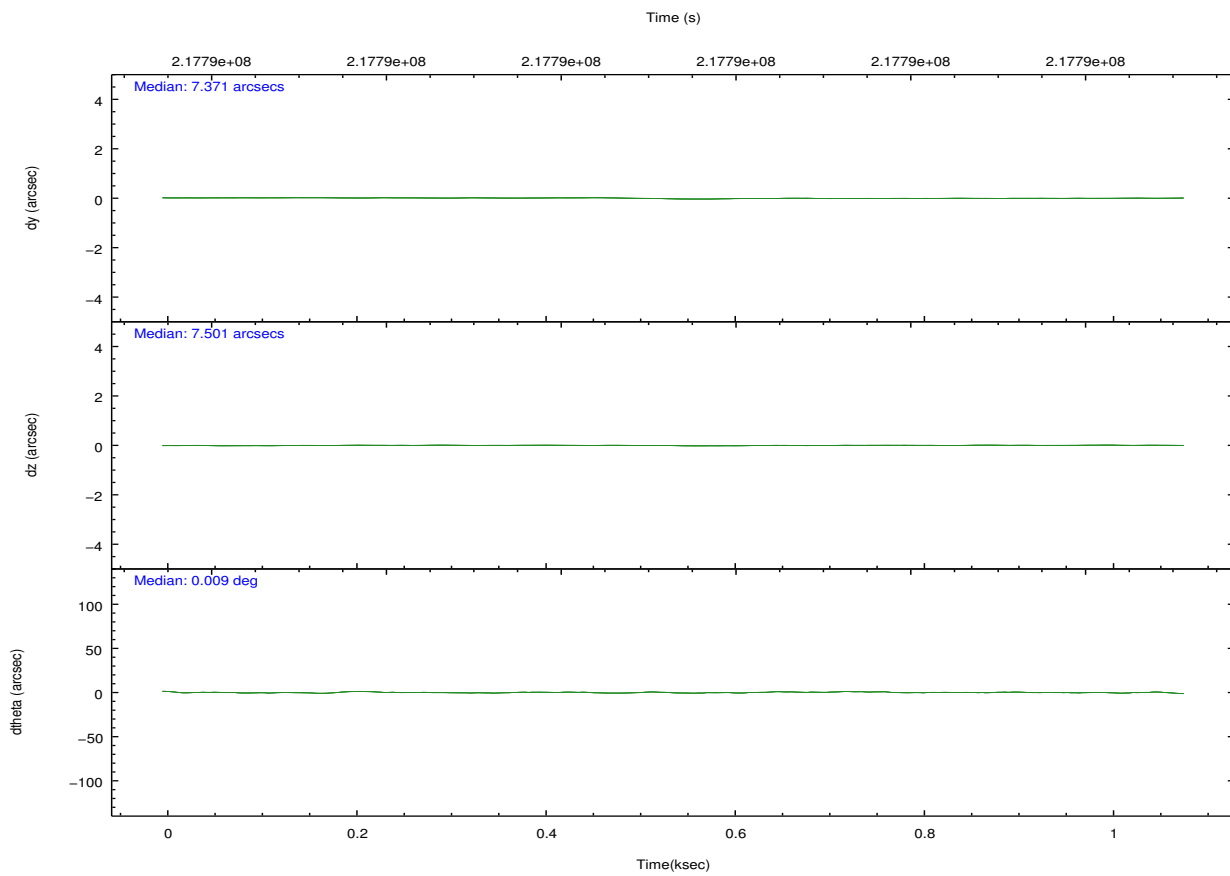
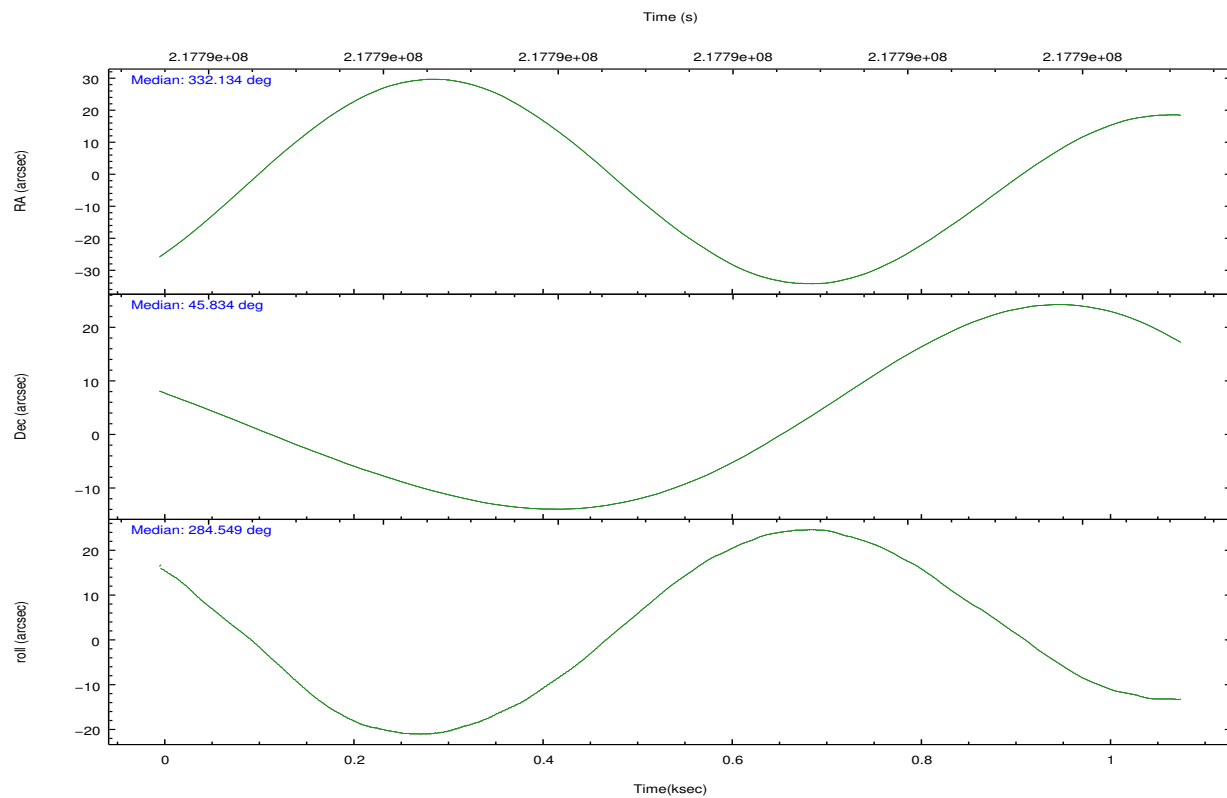
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.104970	332.1338532918452
[deg] Pointing Dec	45.853789	45.83508016515319
[deg] Pointing Roll	284.673469	284.5572641245707
[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)	217791567.184000	217791191.48347
Observation start date	2004-11-25T17:38:23	2004-11-25T17:33:11
[s] Observation end time (MET)	217792467.184000	217792600.85853
Observation end date	2004-11-25T17:53:23	2004-11-25T17:56:40

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

2.3 Aspect



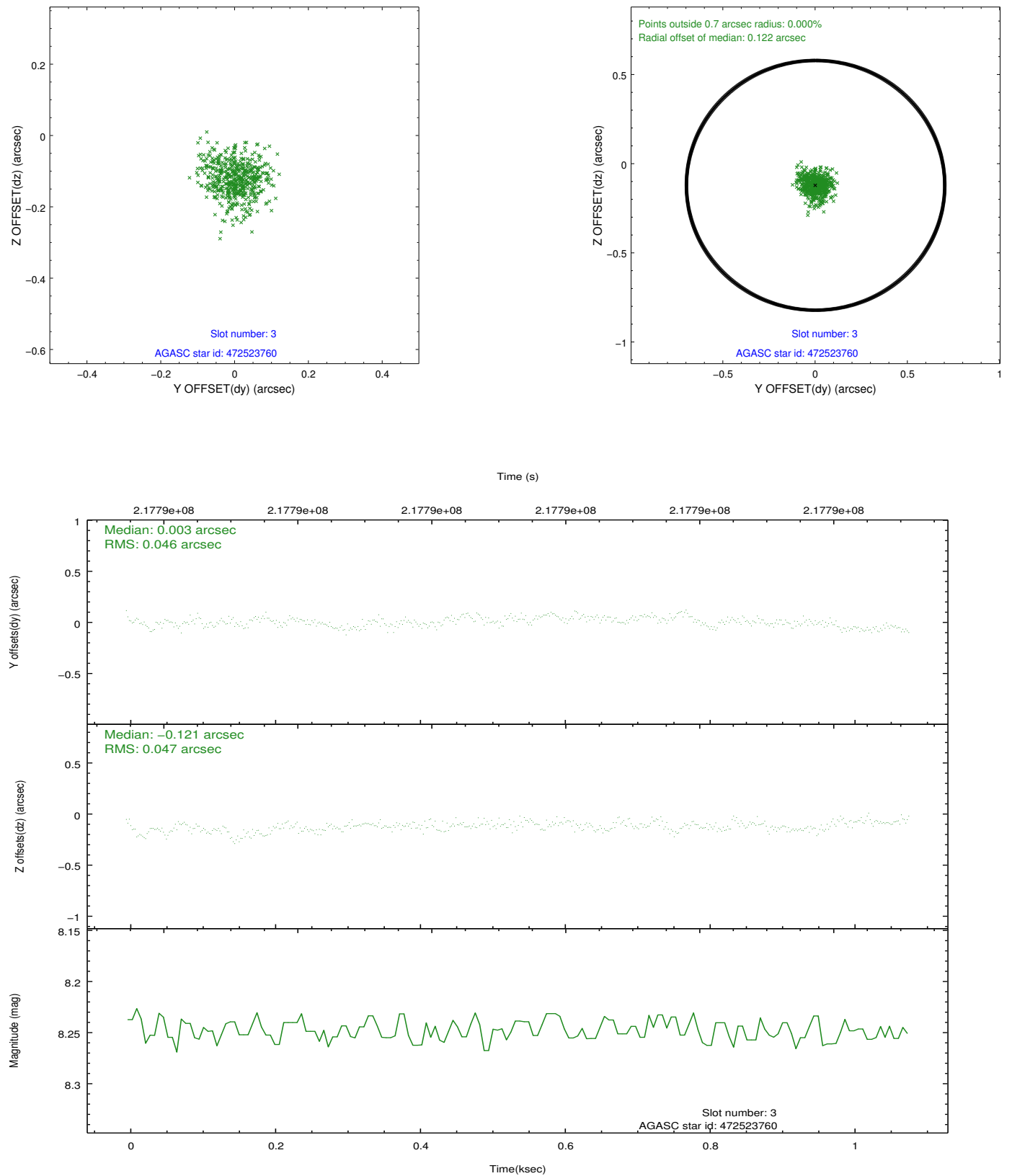


Slot Statistics

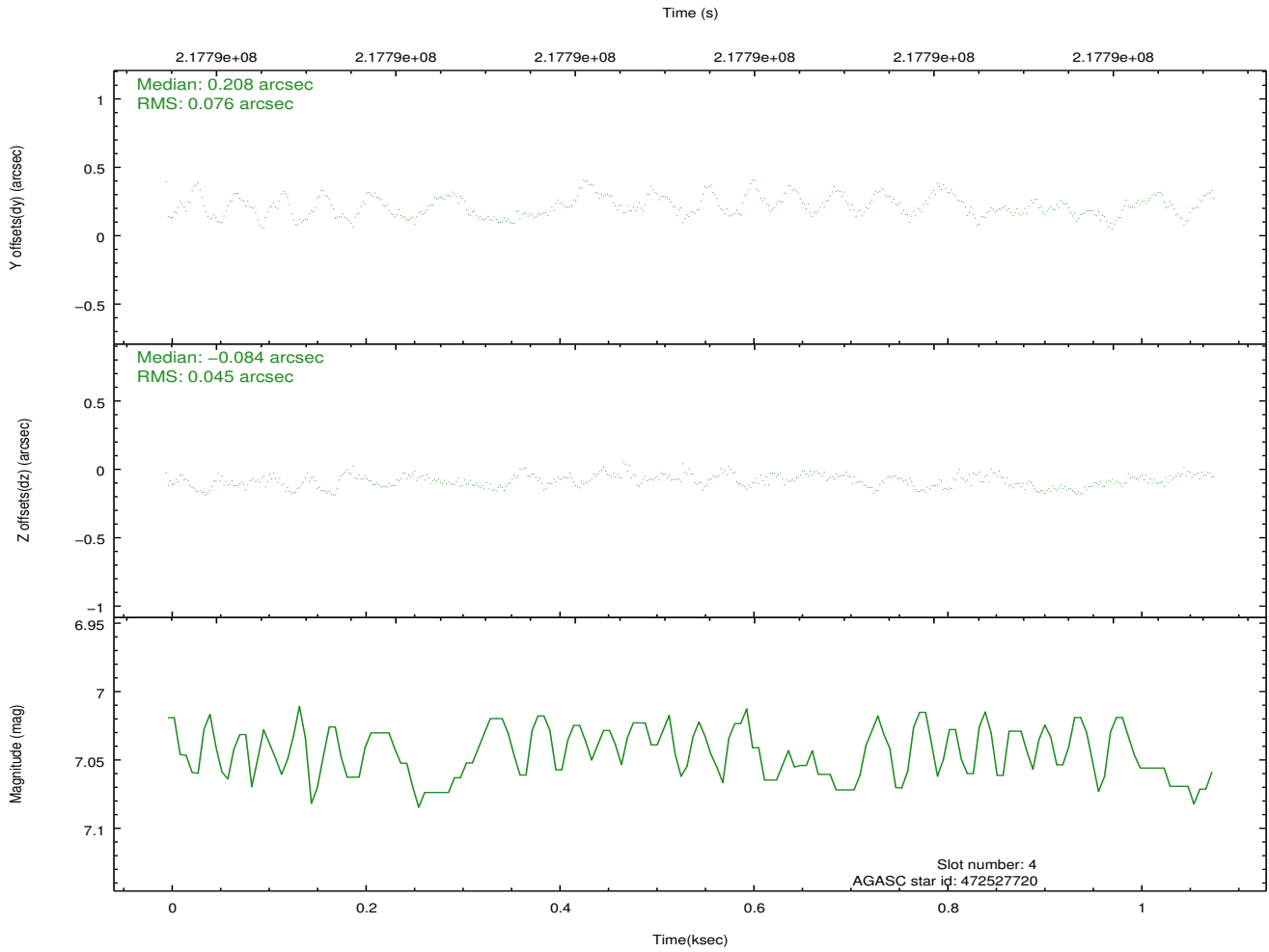
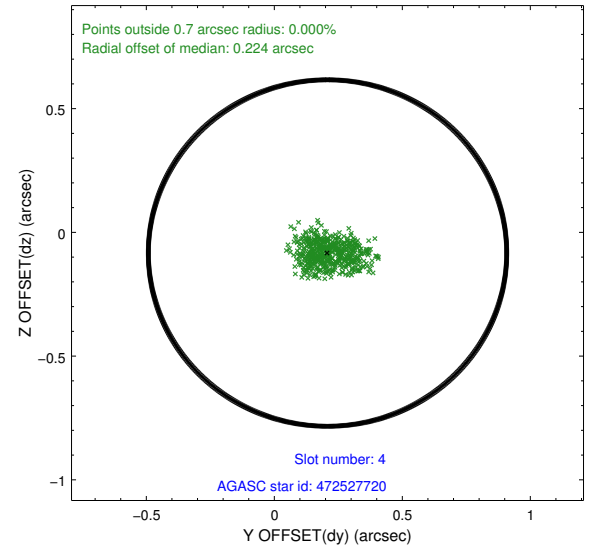
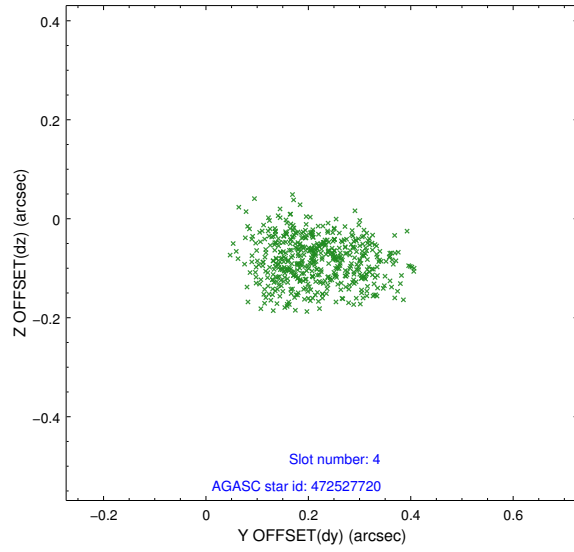
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.01	264	0.008	0.032	0.007	0.011	0.000000	0.000000	-762.97	-1295.37
1	FID	HRC-I-2	7.05	264	0.134	-0.115	0.006	0.009	0.000000	0.000000	846.89	-1302.01
2	FID	HRC-I-3	7.10	264	-0.024	-0.006	0.006	0.010	0.000000	0.000000	-1188.26	1004.23
3	GUIDE	472523760	8.25	528	0.003	-0.121	0.072	0.111	331.645363	45.403260	1272.13	-1536.11
4	GUIDE	472527720	7.05	528	0.208	-0.084	0.096	0.152	331.460205	45.112509	2163.65	-2264.04
5	GUIDE	472533912	9.17	528	-0.118	0.127	0.077	0.126	331.791136	46.368695	-1987.79	-290.96
6	GUIDE	472655152	9.43	528	-0.057	0.020	0.105	0.163	332.504239	45.862991	215.54	974.57
7	GUIDE	472659832	9.47	526	-0.041	0.044	0.108	0.170	332.780399	46.098139	-430.33	1855.32

2.4 Star Slots

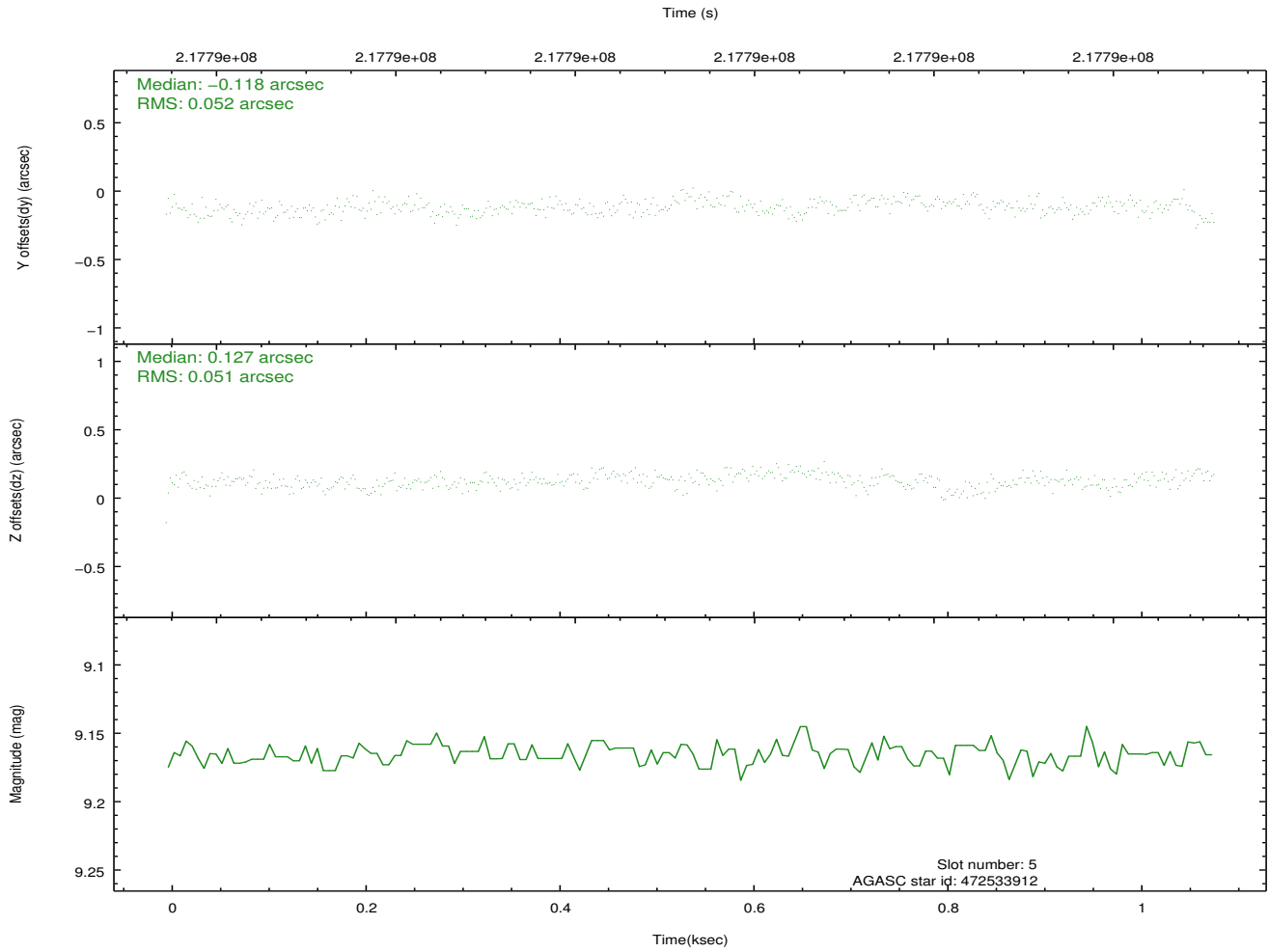
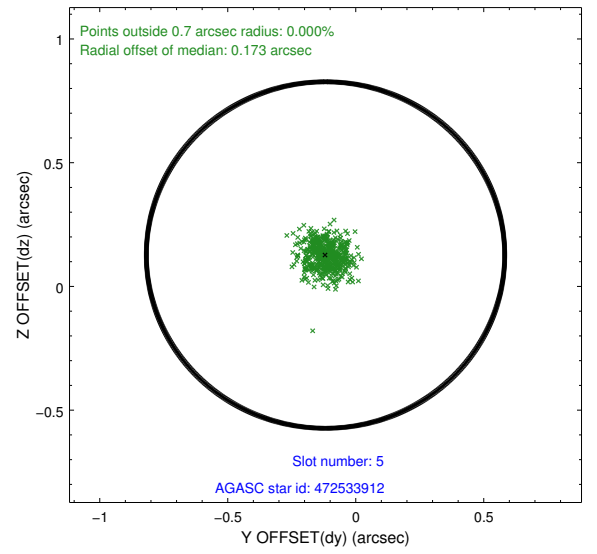
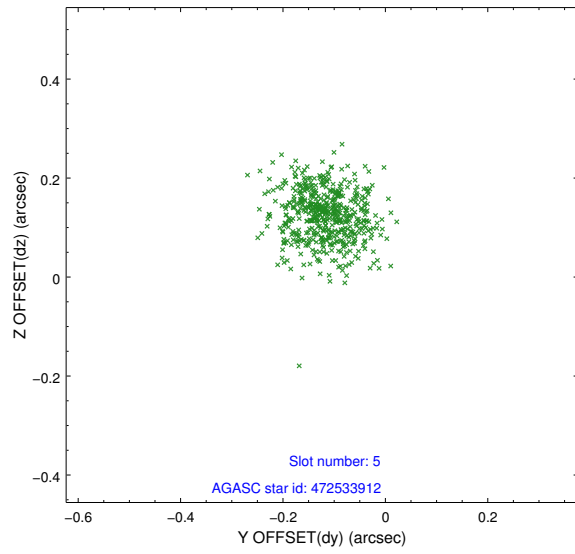
2.4.1 Slot 3



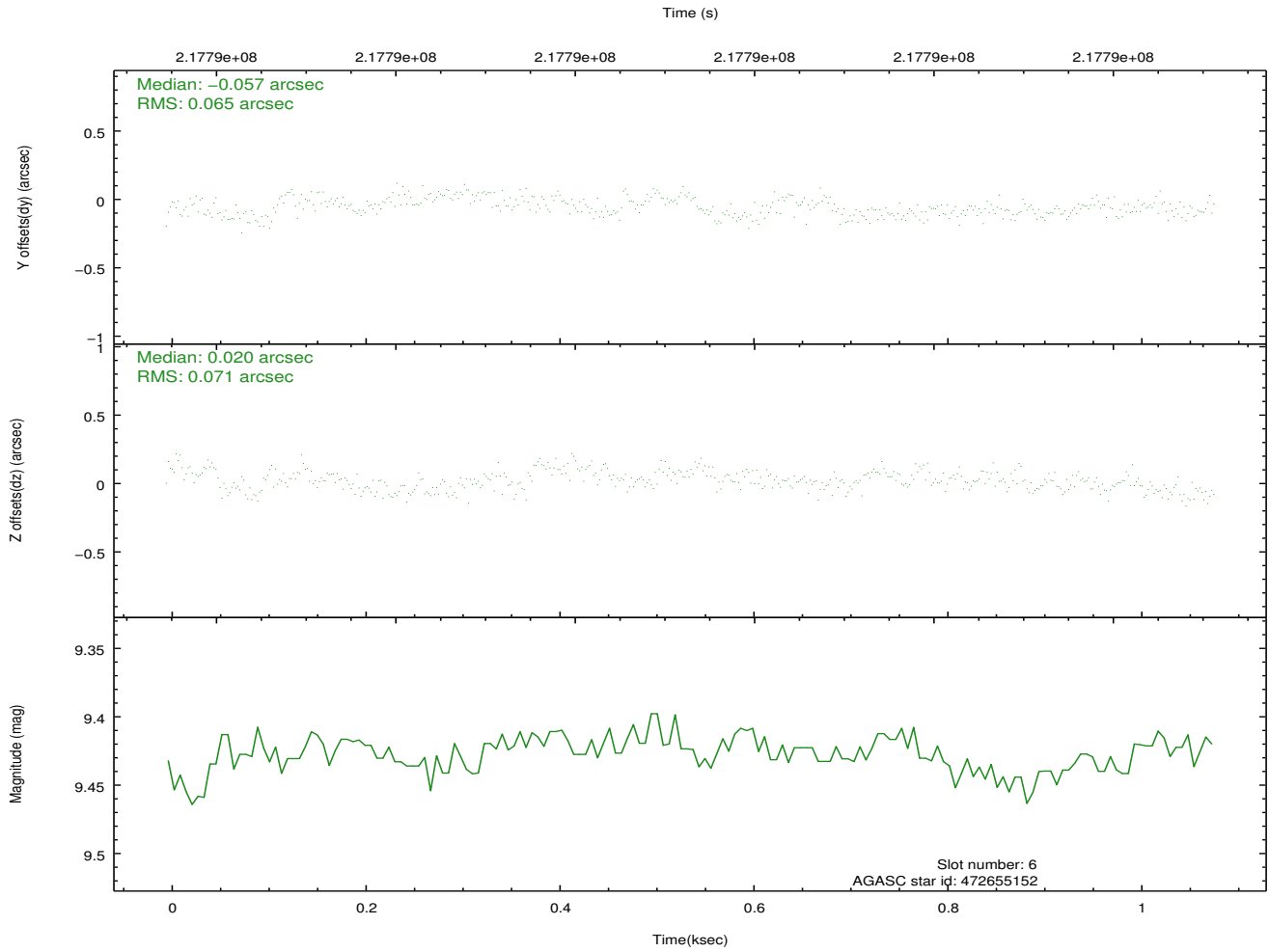
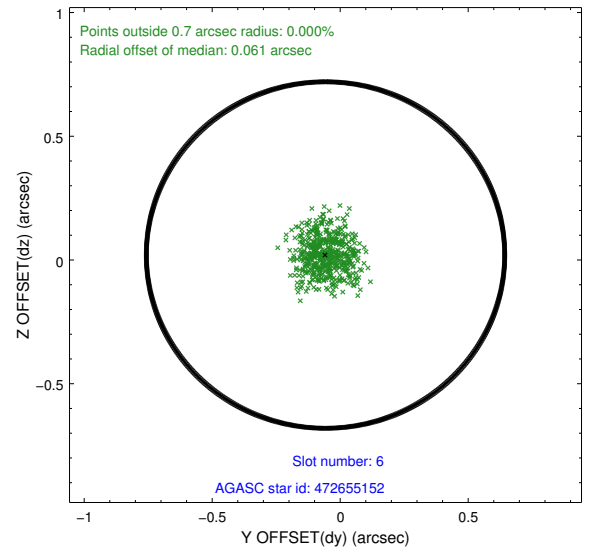
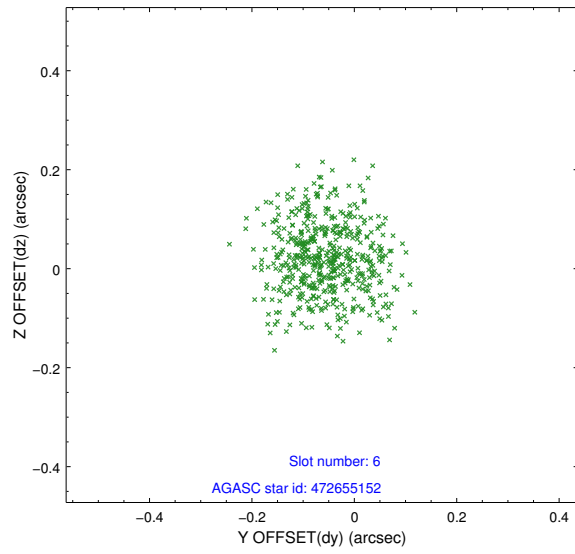
2.4.2 Slot 4



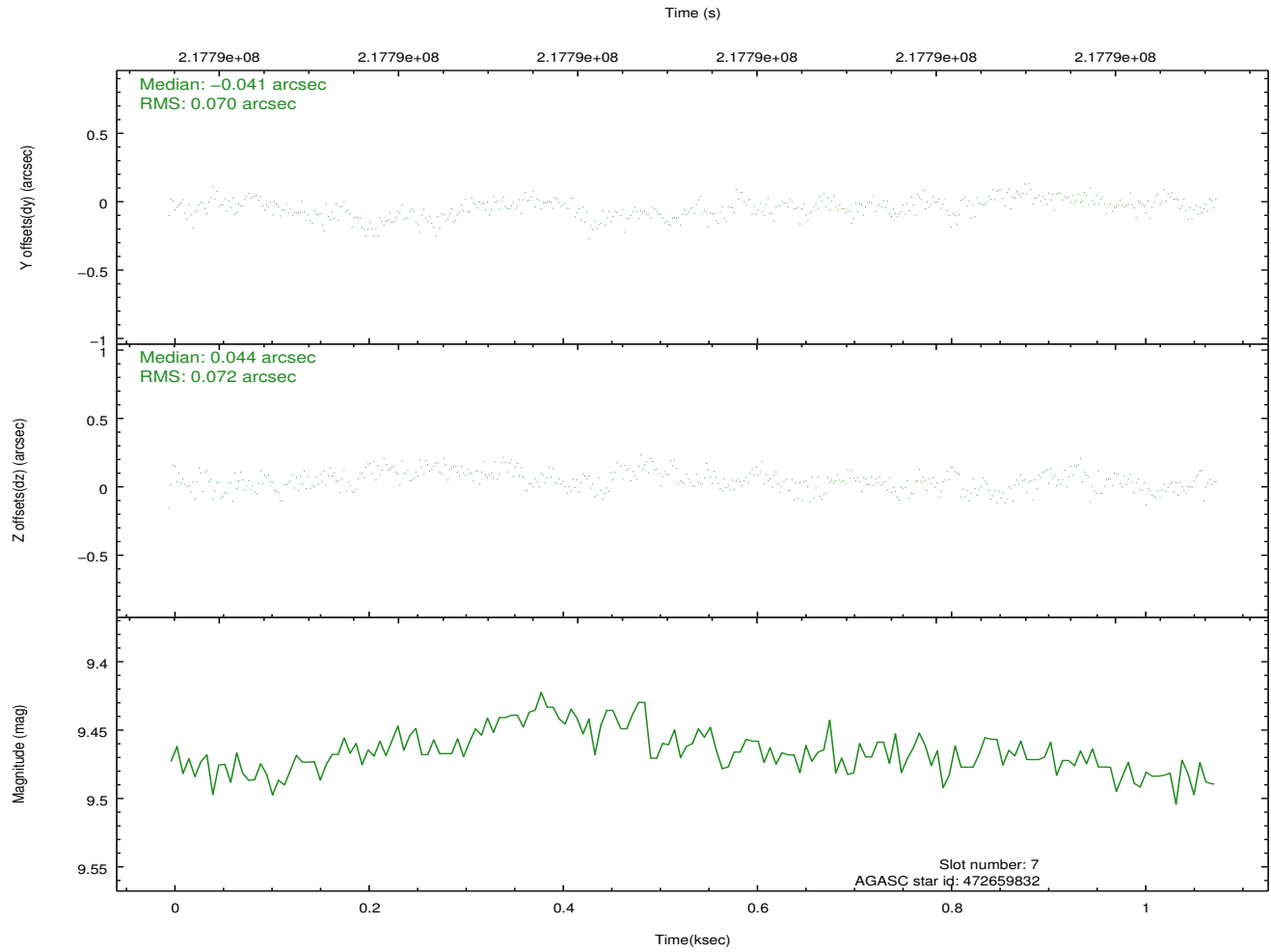
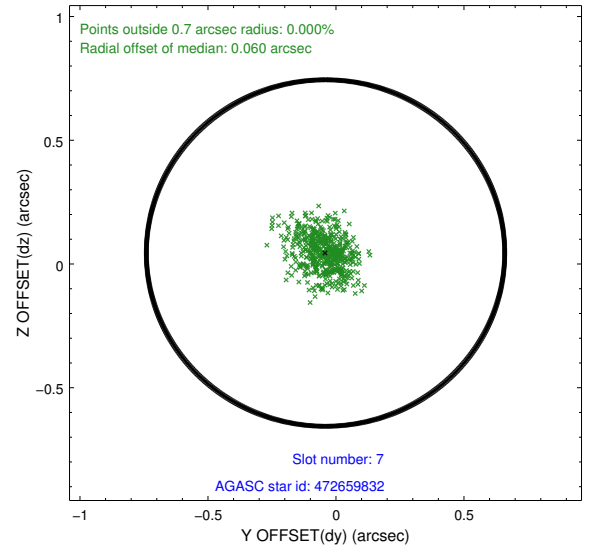
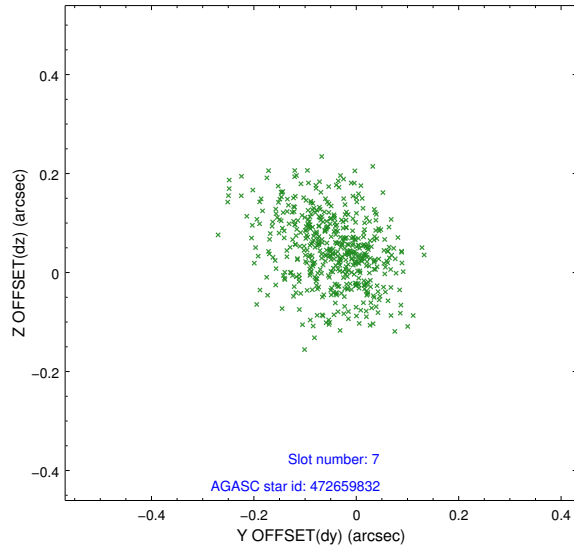
2.4.3 Slot 5



2.4.4 Slot 6

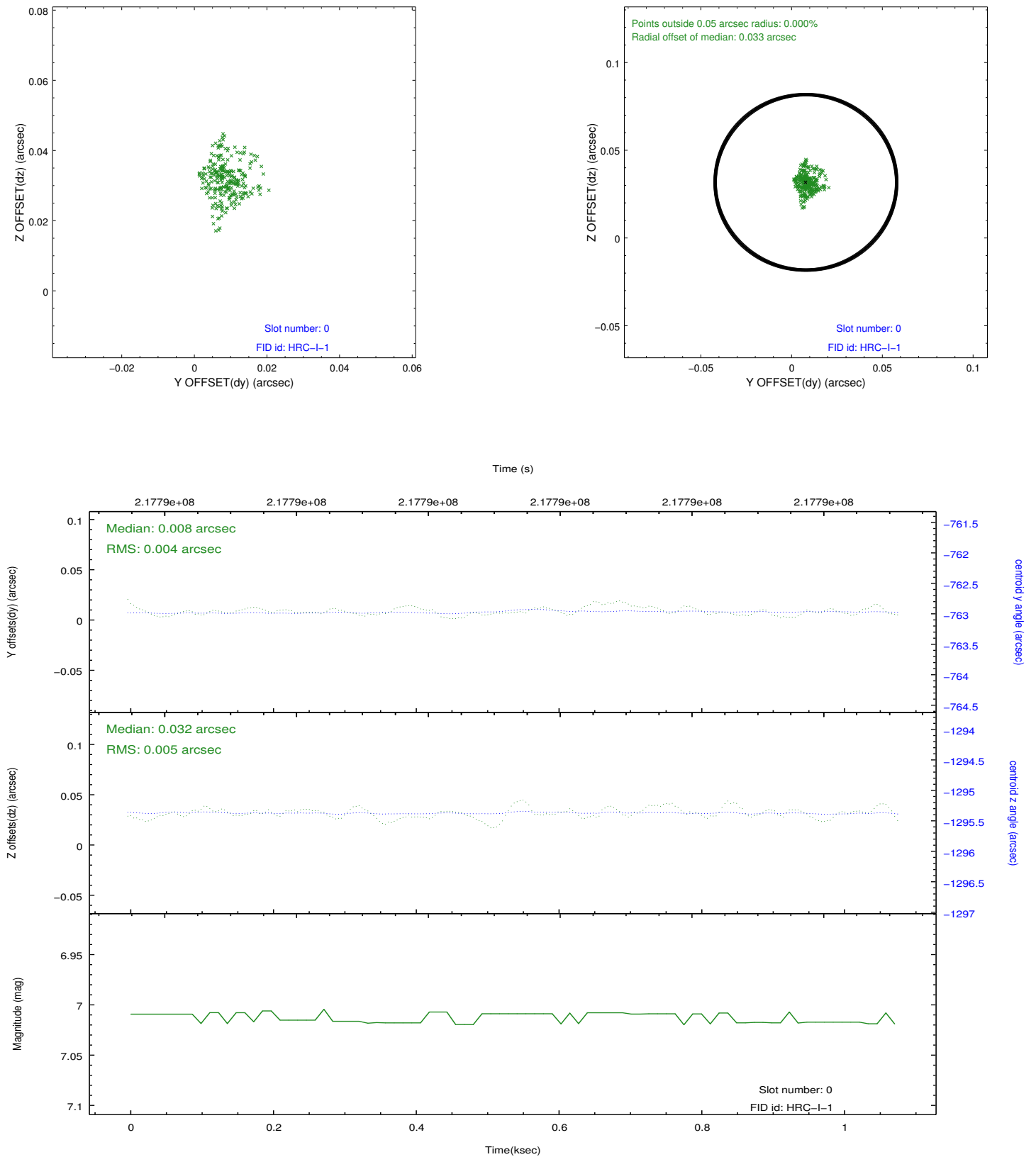


2.4.5 Slot 7

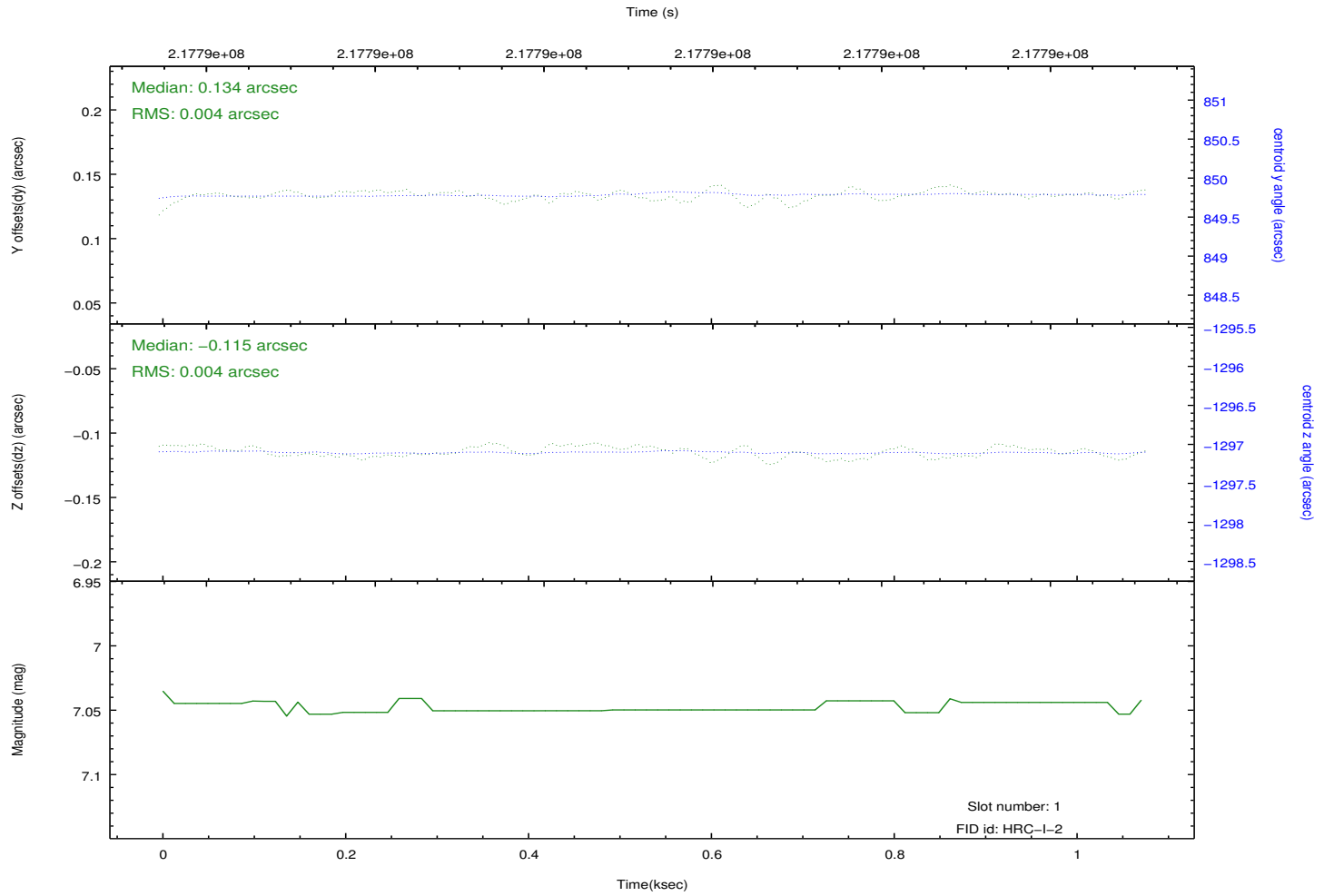
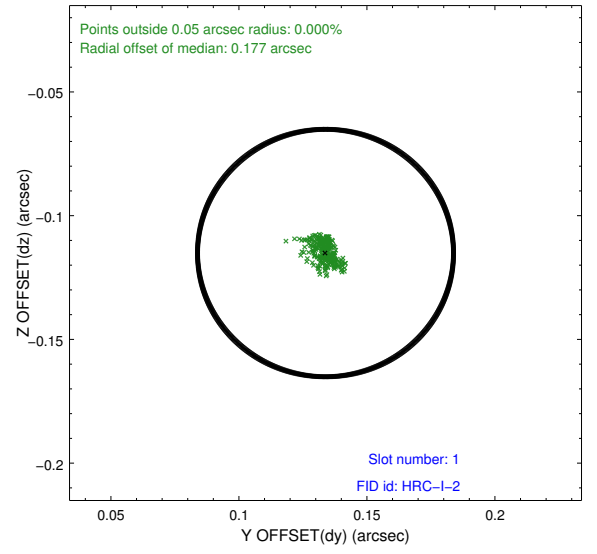
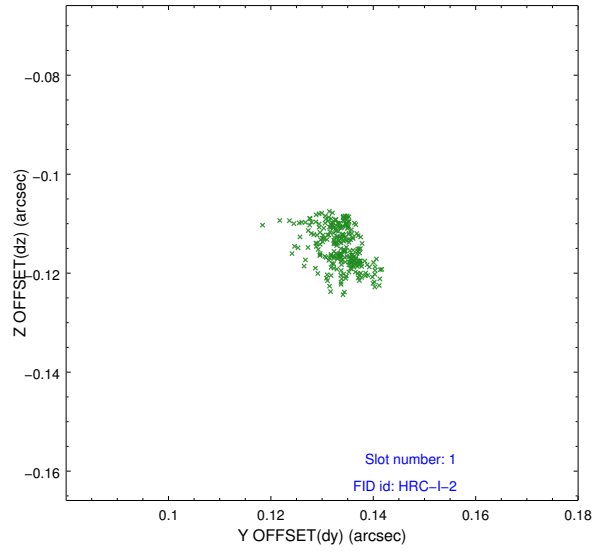


2.5 FID Slots

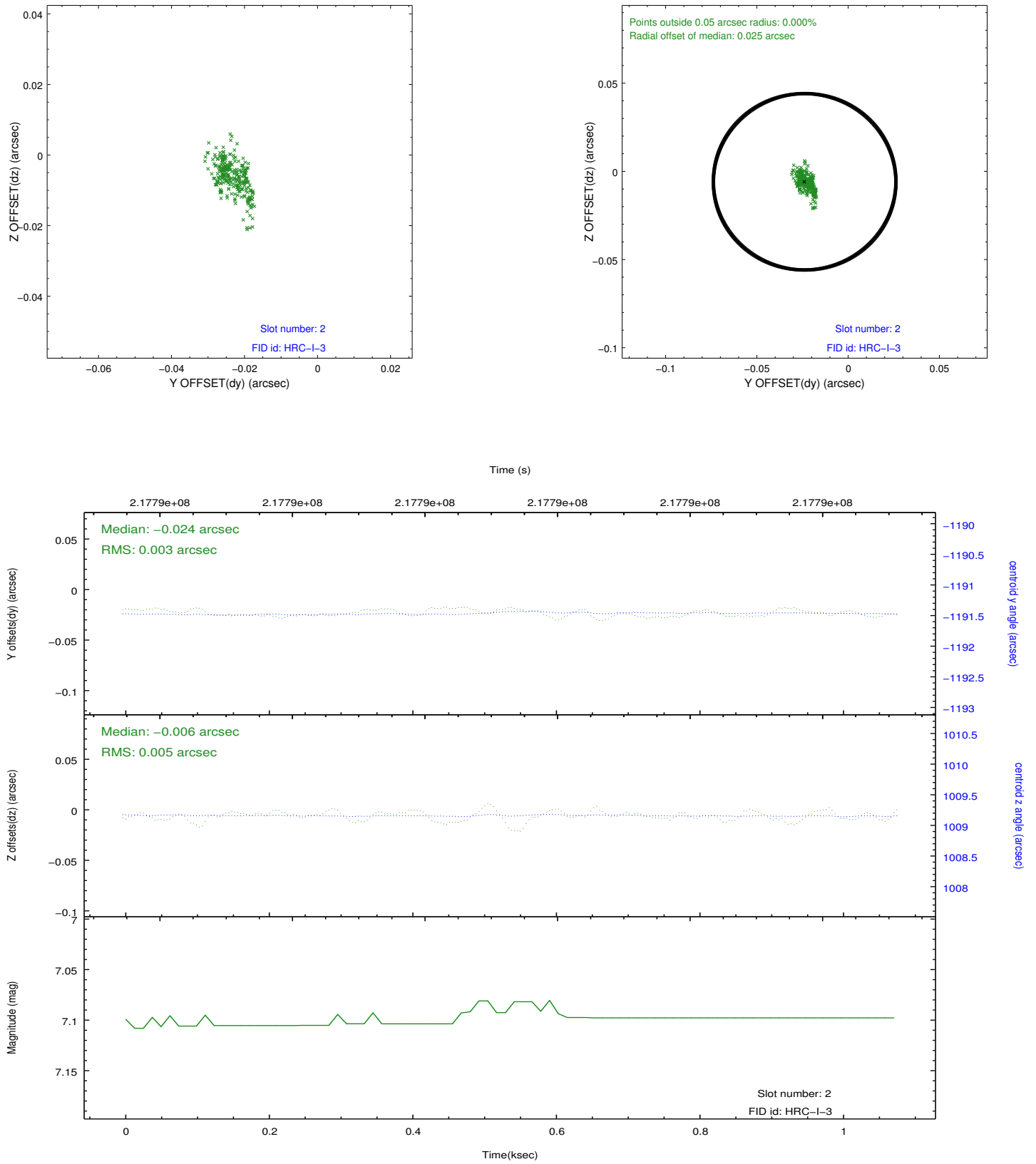
2.5.1 Slot 0



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)	2012.12.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.079325

A.2 Comments