

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 5071 - L2 Version 4
Chandra X-Ray Center

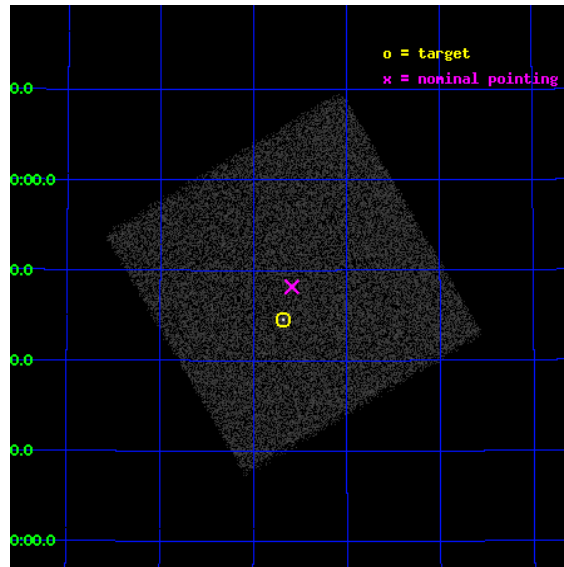
L2 Processing Date : Dec 12 2012

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

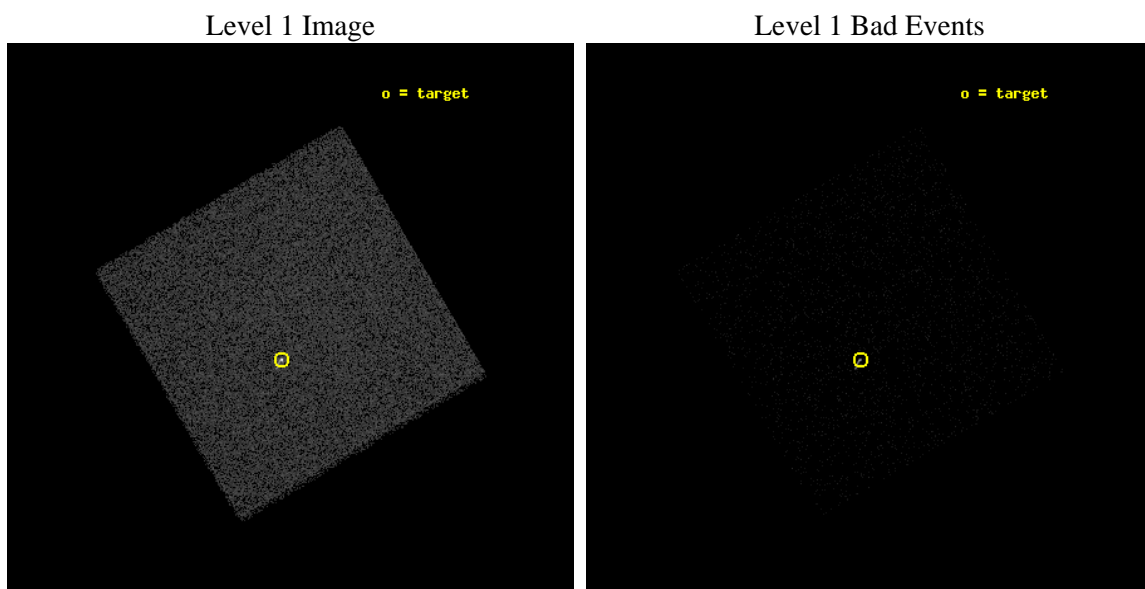
seq_num	290344	Sequence number
obs_id	5071	Observation id
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.1467447402	Nominal RA [deg]
dec_nom	45.802994947799	Nominal Dec [deg]
roll_nom	284.54241966036	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1083.681298703	[s]
livetime	1074.5343157484	Ontime multiplied by DTCOR
l2events	51151	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	1083.681298703	[s]
caldbver	4.5.4	 	l1events	103976	Number of level 1 events
date	2012-12-11T23:43:30	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

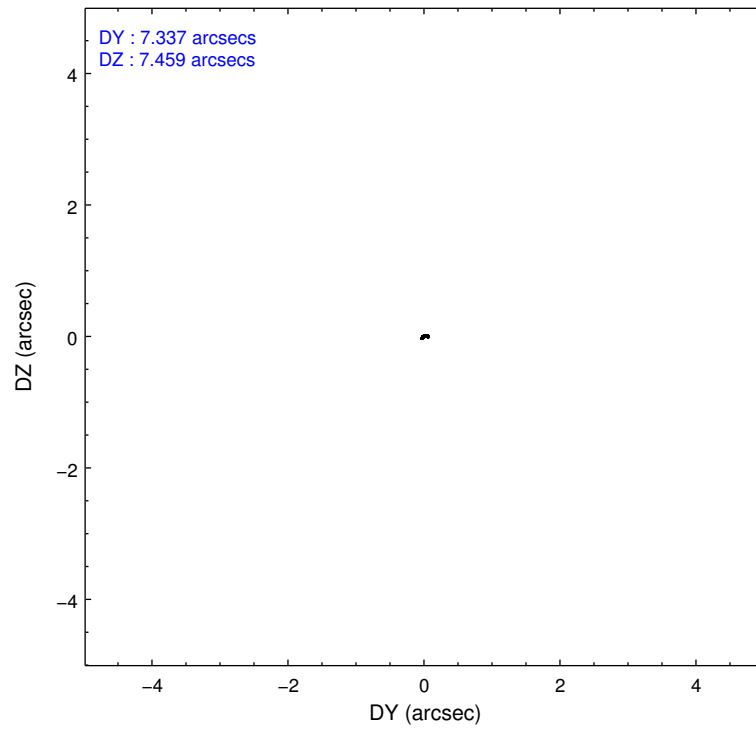
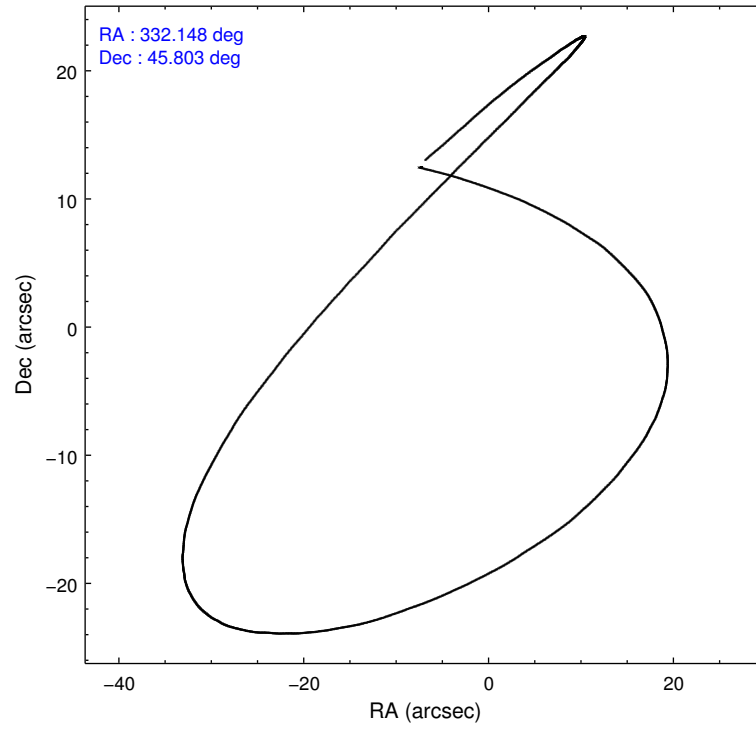
	segment 0
level 1 events	103976
rejected events	31072
rejected %	29%

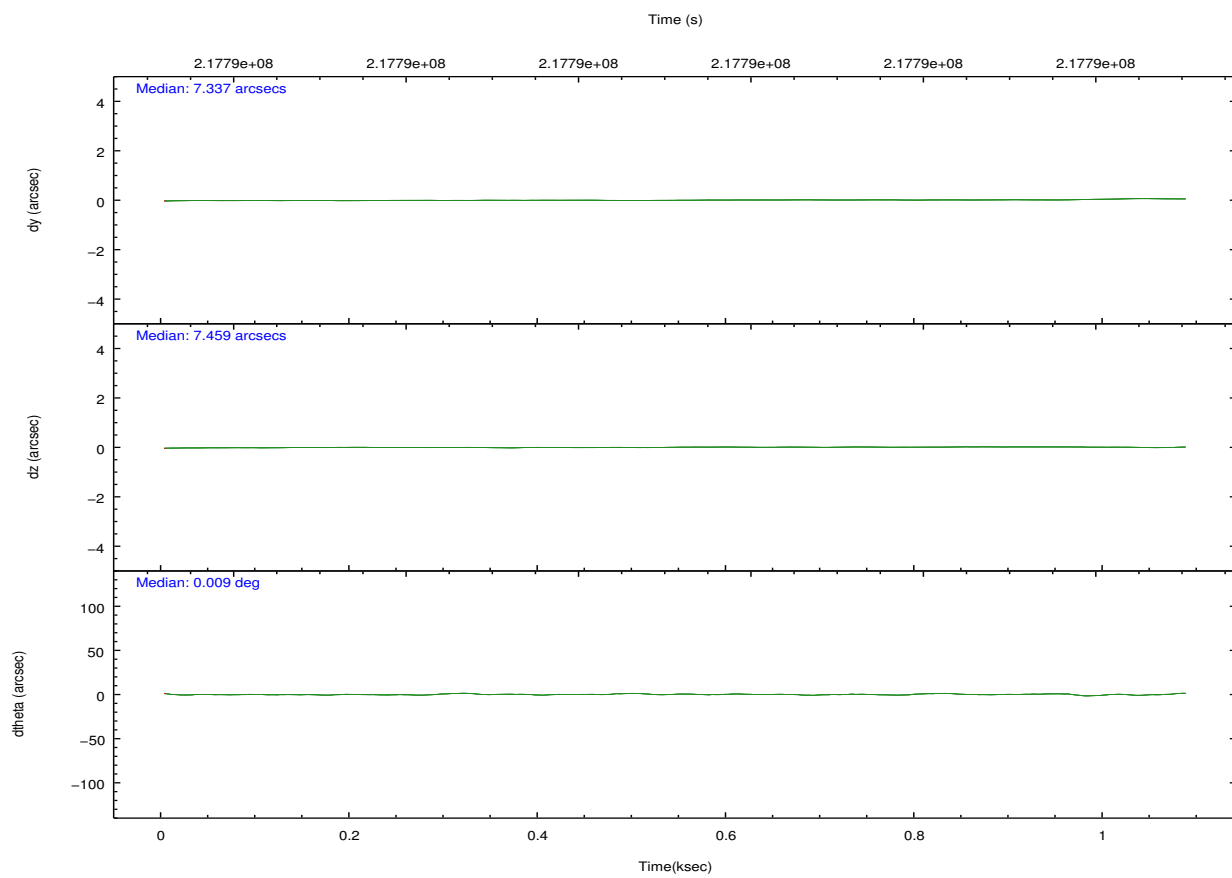
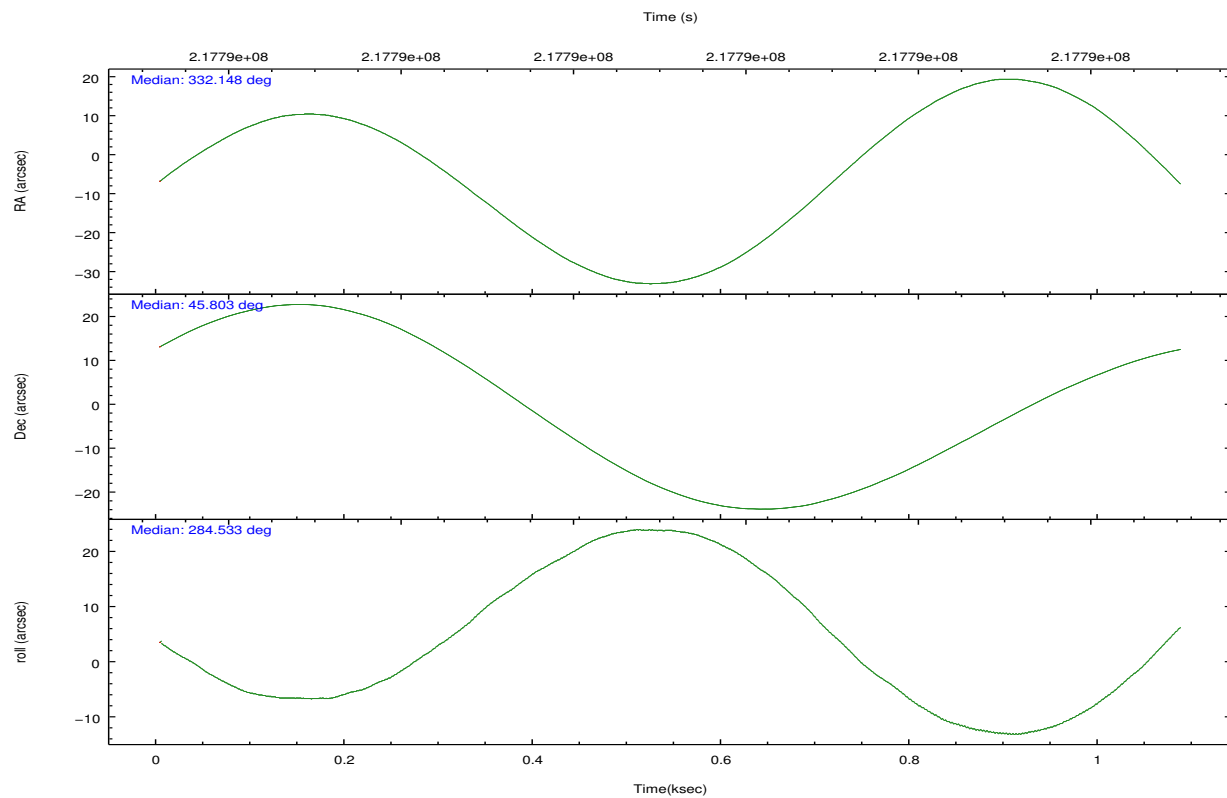
2.2 Compared Parameters

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	332.117098	332.1467447401982
[deg] Pointing Dec	45.821550	45.80299494779867
[deg] Pointing Roll	284.659172	284.5424196603632
[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)	217790157.184000	217789781.0834
Observation start date	2004-11-25T17:14:53	2004-11-25T17:09:41
[s] Observation end time (MET)	217791057.184000	217791191.48347
Observation end date	2004-11-25T17:29:53	2004-11-25T17:33:11

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

2.3 Aspect



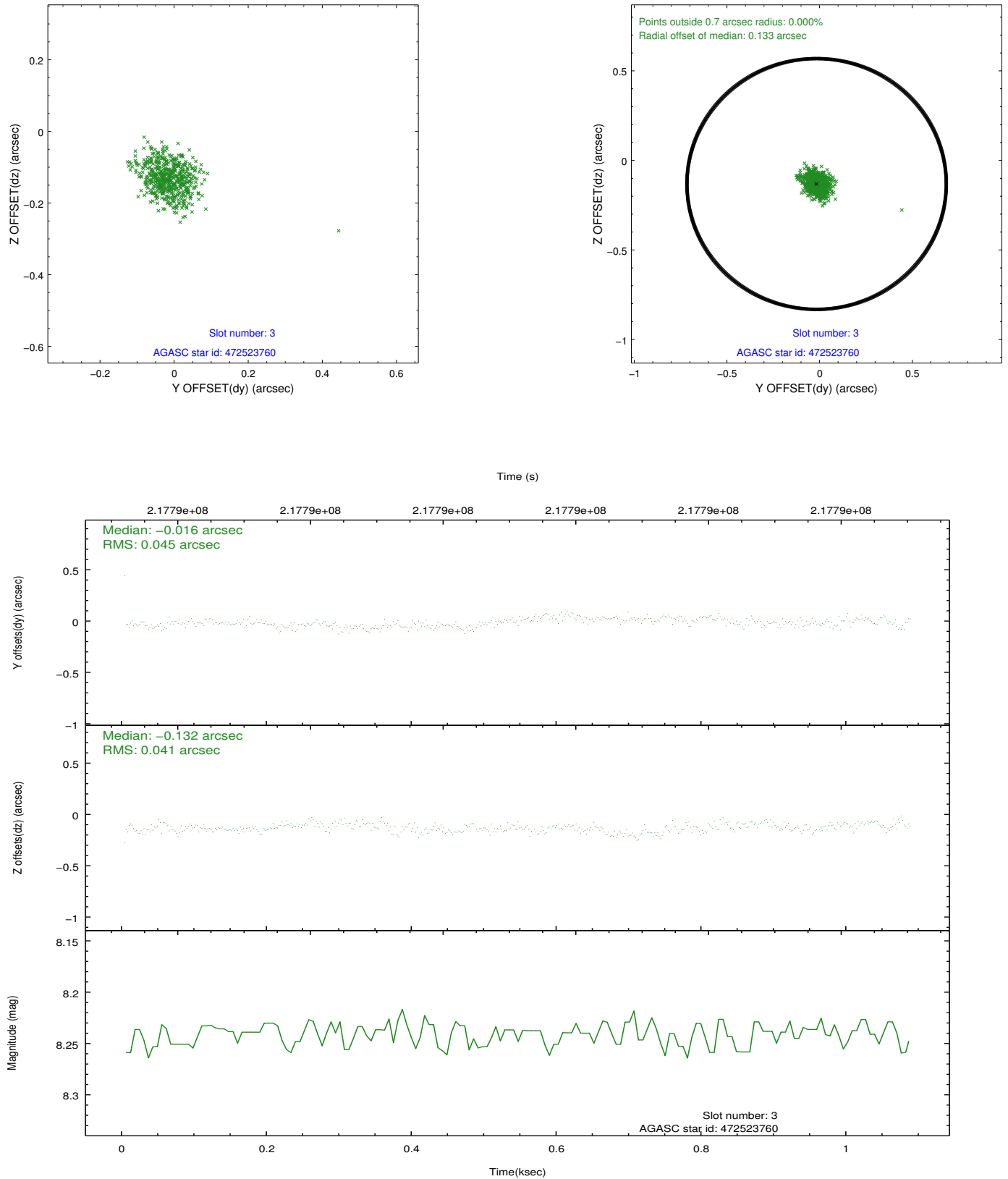


Slot Statistics

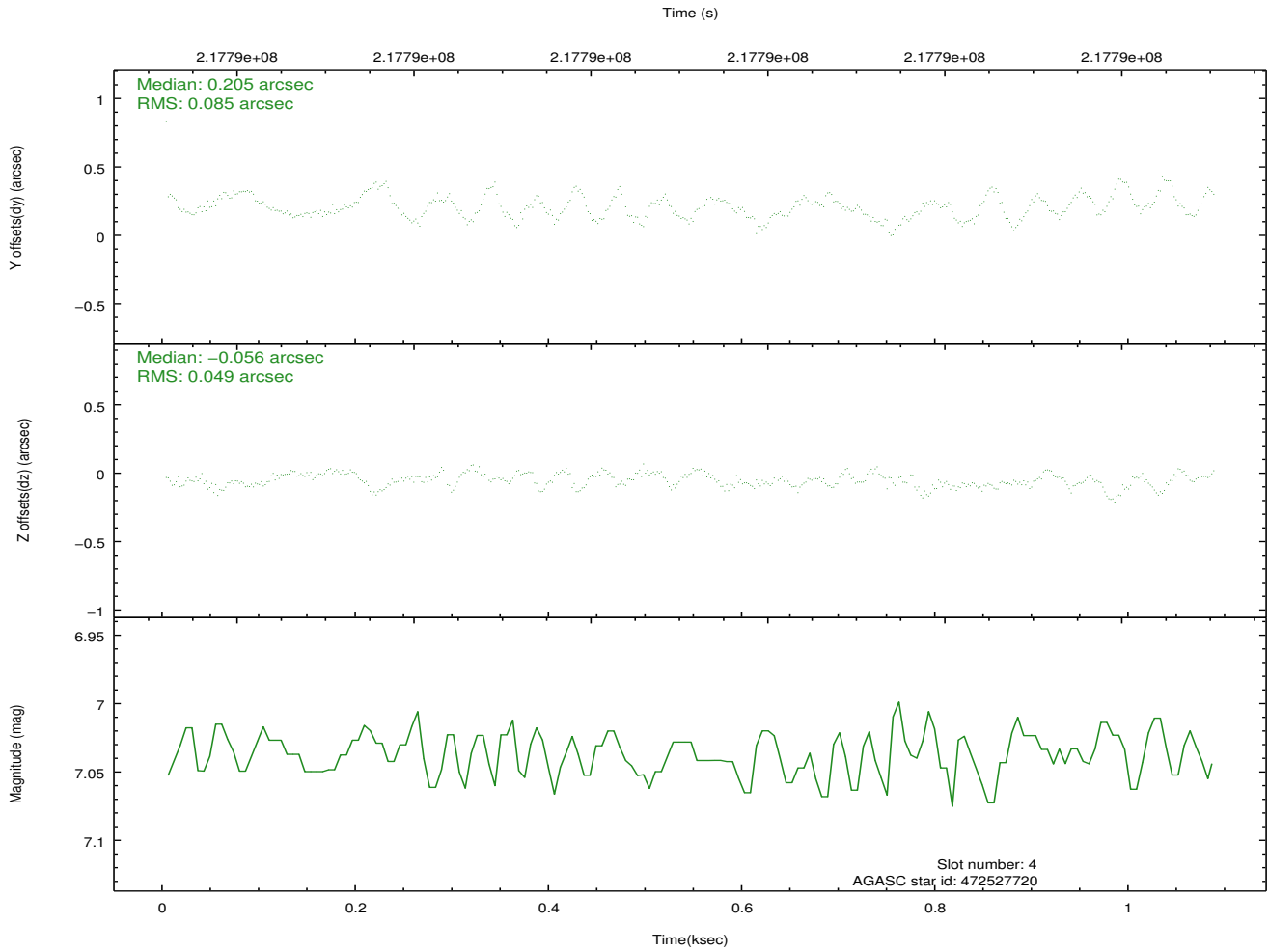
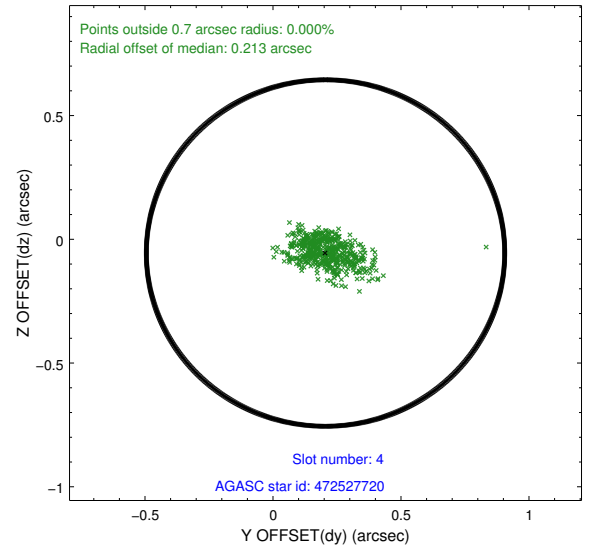
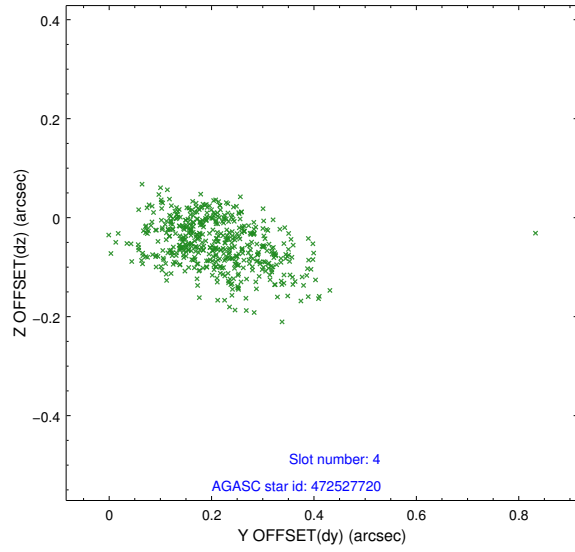
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.02	265	0.008	0.027	0.007	0.012	0.000000	0.000000	-762.94	-1295.34
1	FID	HRC-I-2	7.05	265	0.132	-0.111	0.006	0.010	0.000000	0.000000	846.94	-1301.95
2	FID	HRC-I-3	7.09	265	-0.021	-0.005	0.006	0.010	0.000000	0.000000	-1188.24	1004.29
3	GUIDE	472523760	8.24	530	-0.016	-0.132	0.062	0.098	331.645363	45.403260	1152.24	-1538.10
4	GUIDE	472527720	7.04	530	0.205	-0.056	0.097	0.171	331.460205	45.112509	2043.61	-2265.88
5	GUIDE	472533912	9.16	530	-0.103	0.119	0.088	0.142	331.791136	46.368695	-2108.02	-293.27
6	GUIDE	472655152	9.43	530	-0.070	0.049	0.096	0.156	332.504239	45.862991	95.18	972.50
7	GUIDE	472659832	9.48	528	-0.022	0.018	0.102	0.167	332.780399	46.098139	-550.80	1853.10

2.4 Star Slots

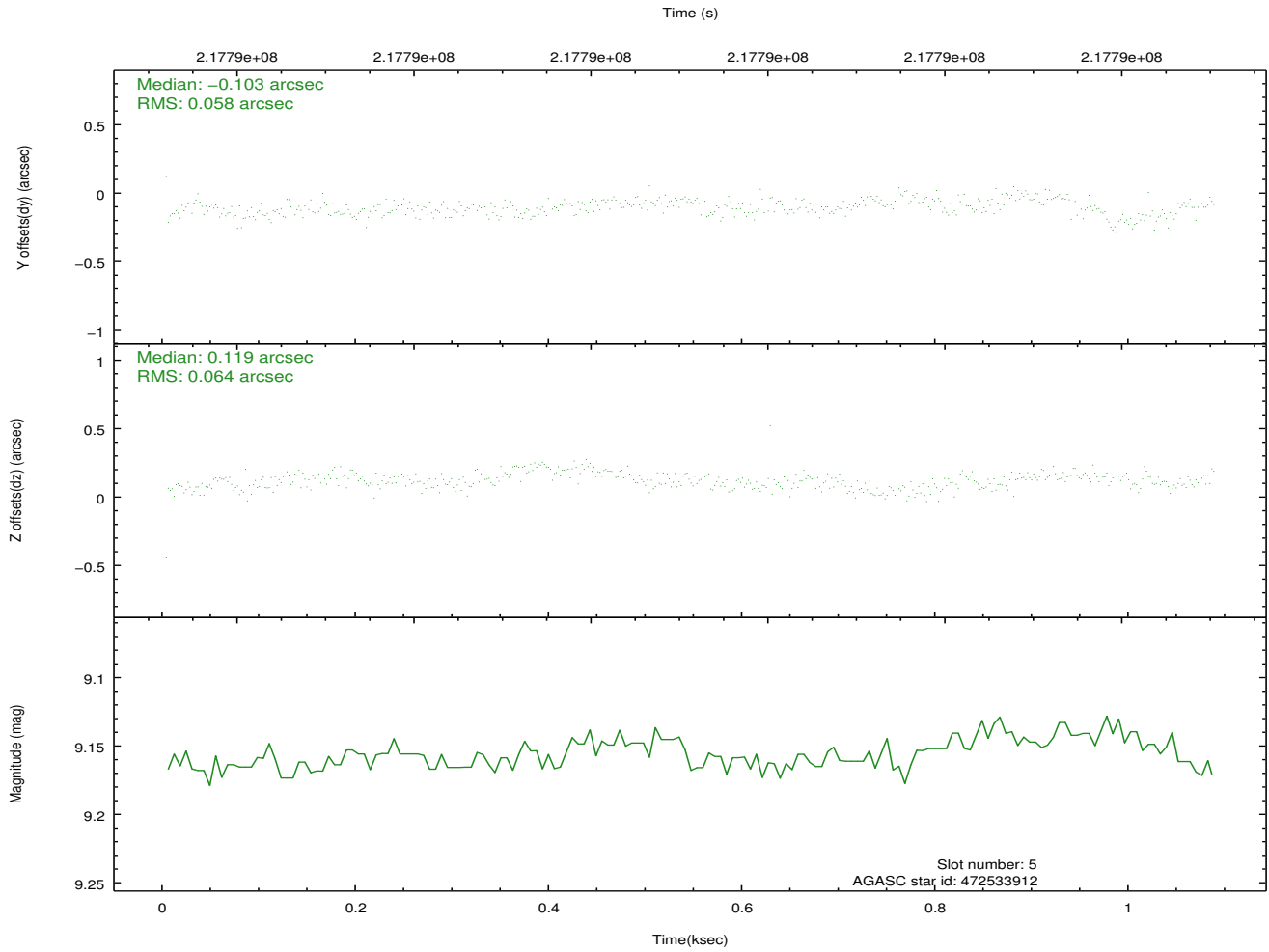
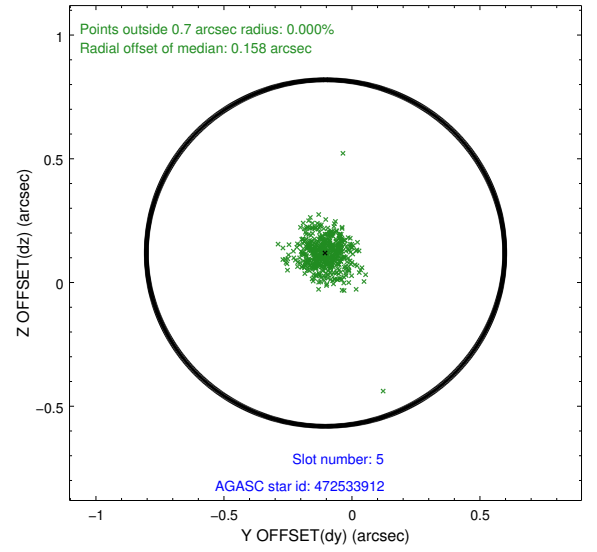
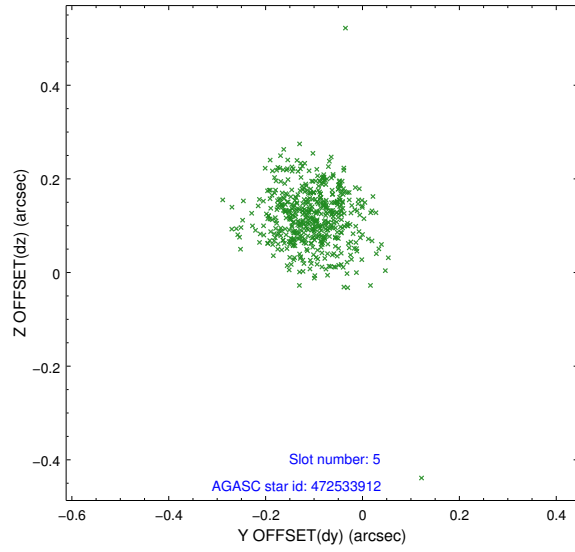
2.4.1 Slot 3



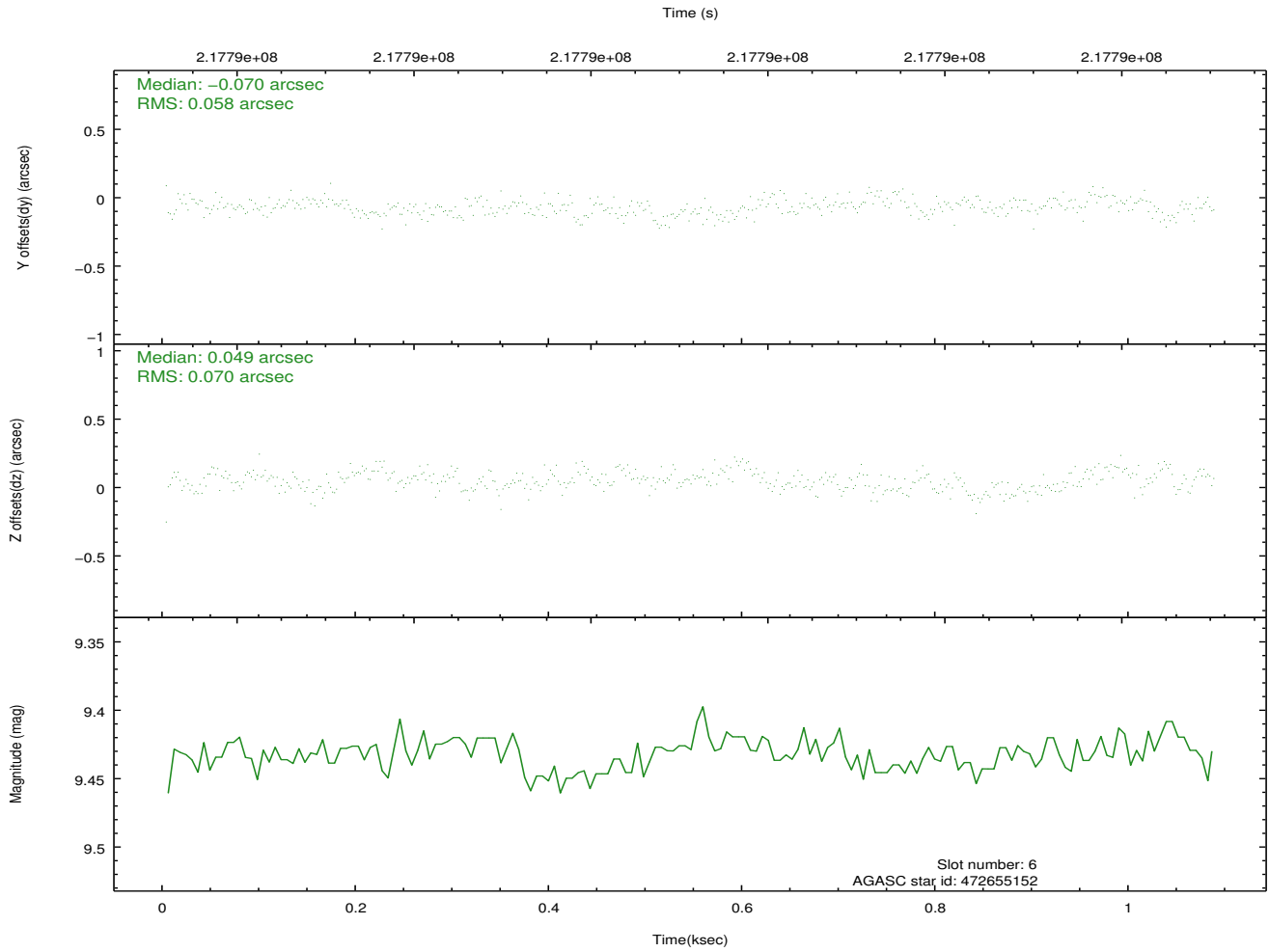
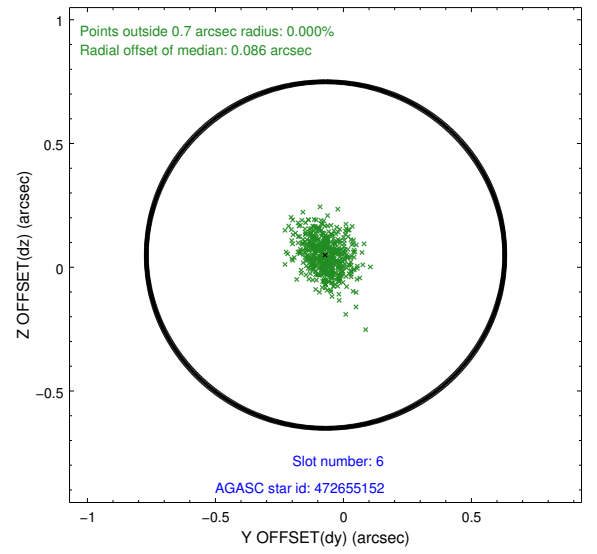
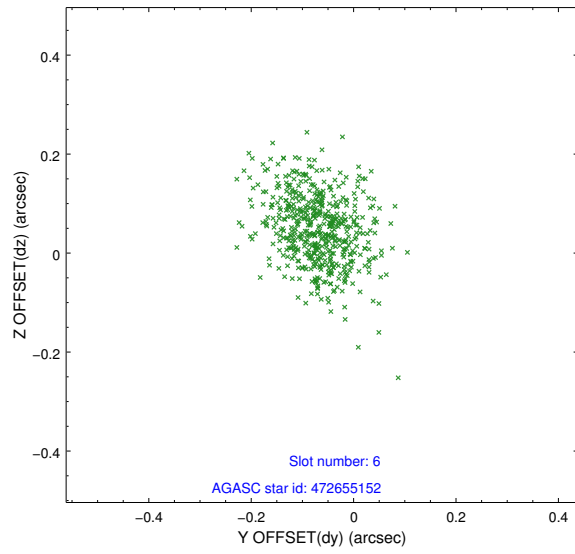
2.4.2 Slot 4



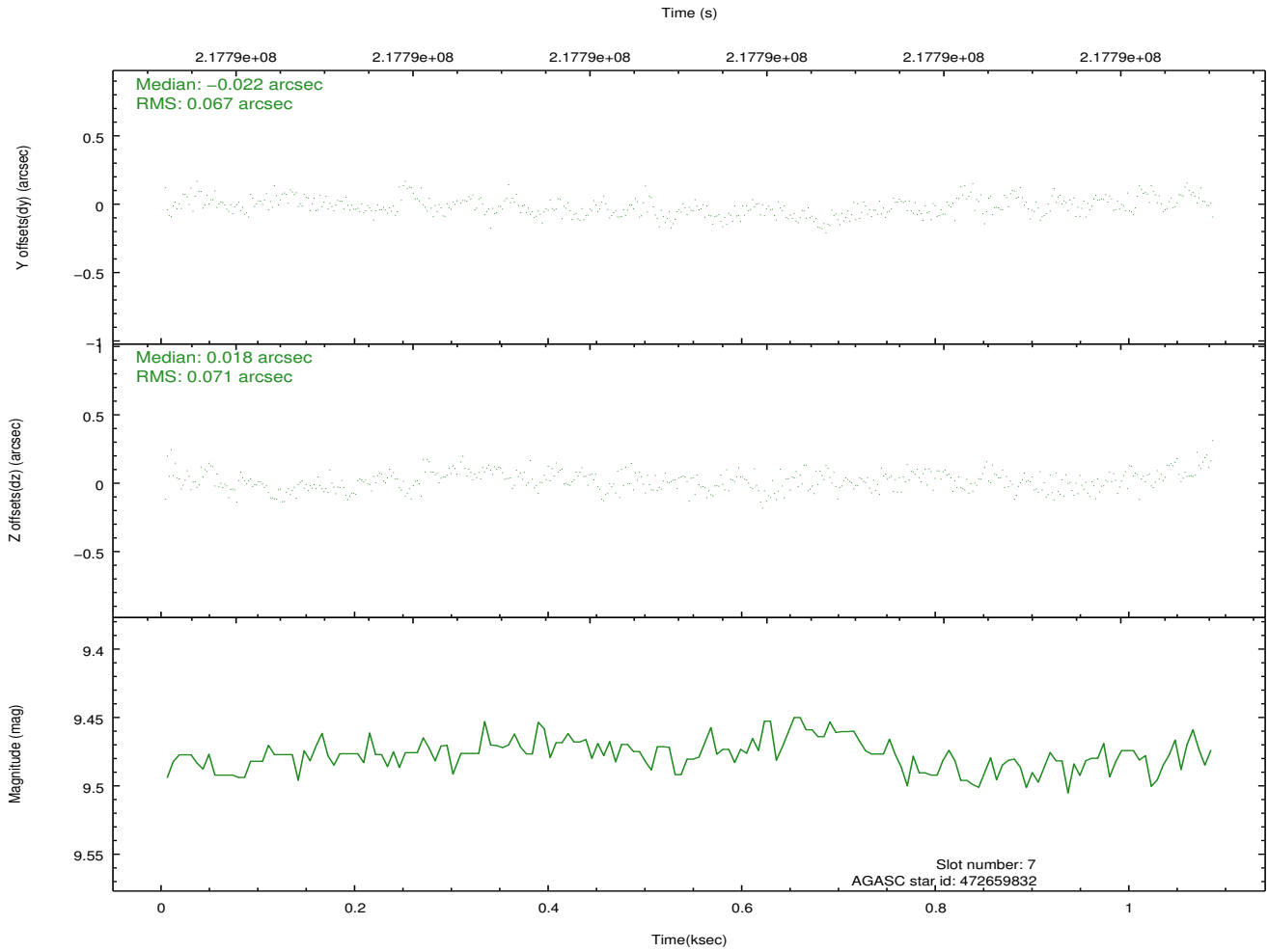
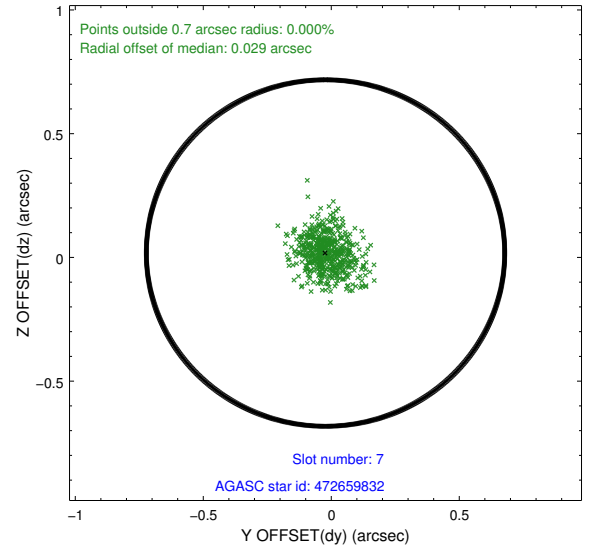
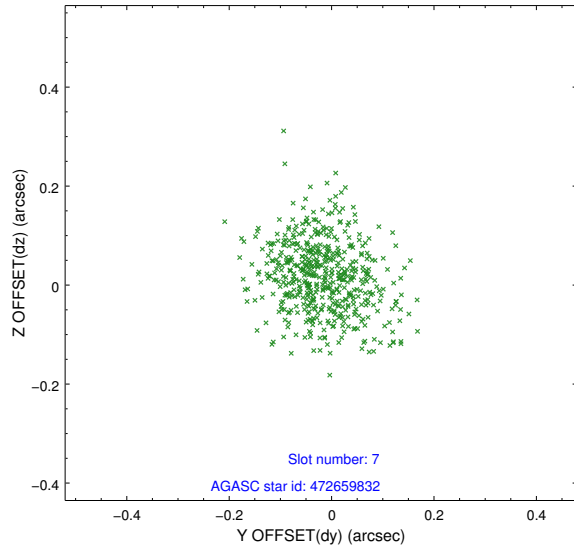
2.4.3 Slot 5



2.4.4 Slot 6

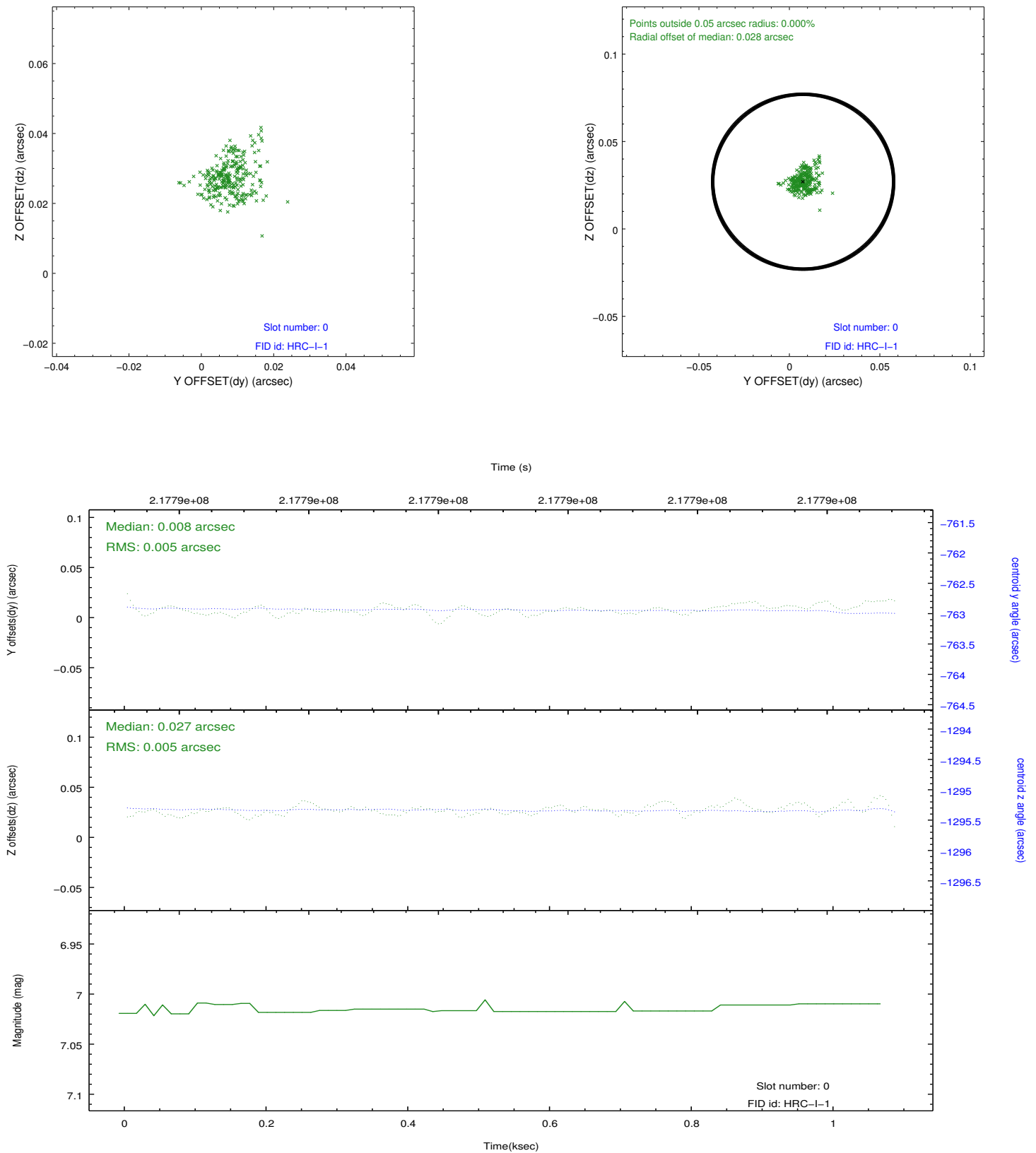


2.4.5 Slot 7

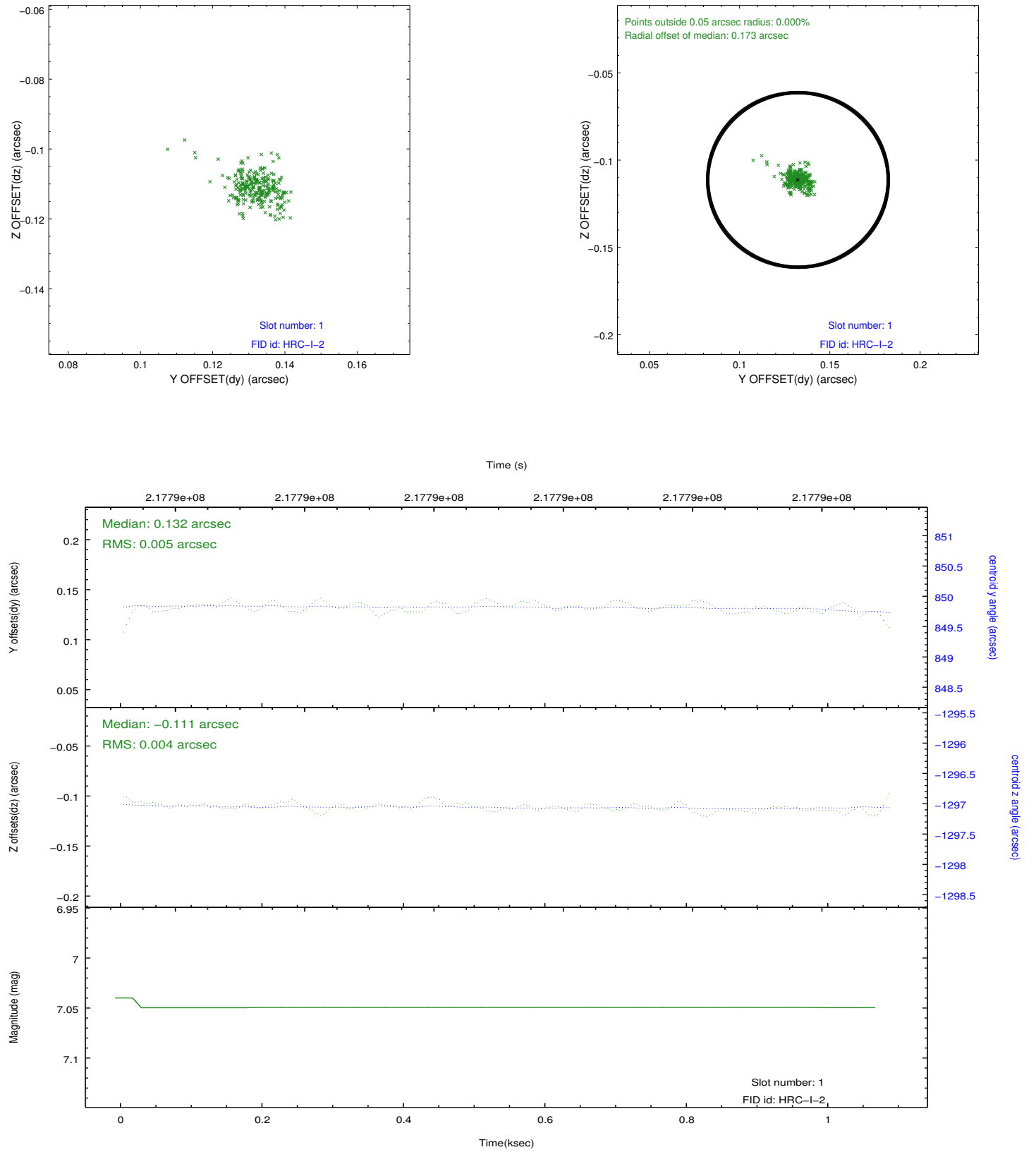


2.5 FID Slots

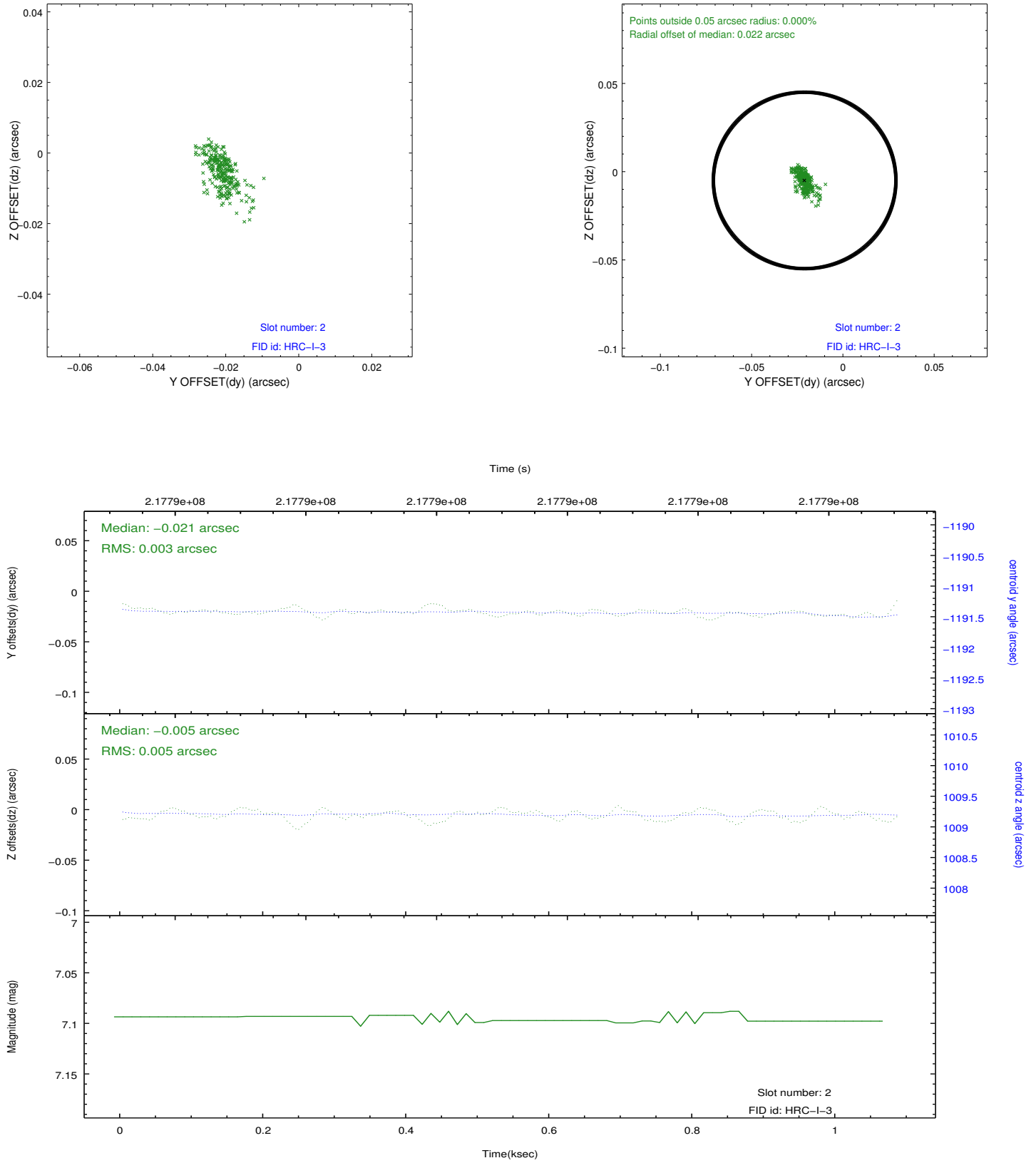
2.5.1 Slot 0



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	1.083681

A.2 Comments