

V&V Reference Report

L2 ASCDS Version : 10.7.1

Observation 21766 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Apr 8 2019

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1 Front

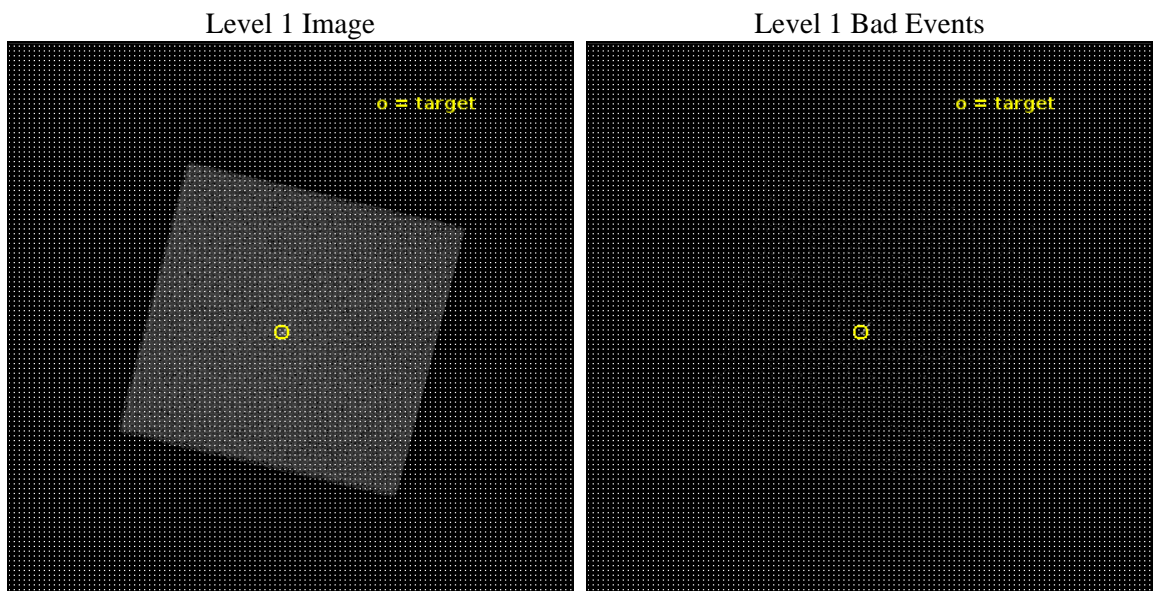
seq_num	291452	Sequence number
obs_id	21766	Observation id
title	AO-20 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.169666	Observer's specified target RA [deg]
dec_targ	45.742509	Observer's specified target Dec [deg]
ra_nom	332.14894256388	Nominal RA [deg]
dec_nom	45.756220183709	Nominal Dec [deg]
roll_nom	58.933823213397	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1190.2813214064	[s]
livetime	1172.6534119369	Ontime multiplied by DTCOR
l2events	151841	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	10.7.1	Processing system revision	ontime	1190.2813214064	[s]
caldbver	4.8.2	 	l1events	252789	Number of level 1 events
date	2019-04-08T22:59:49	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

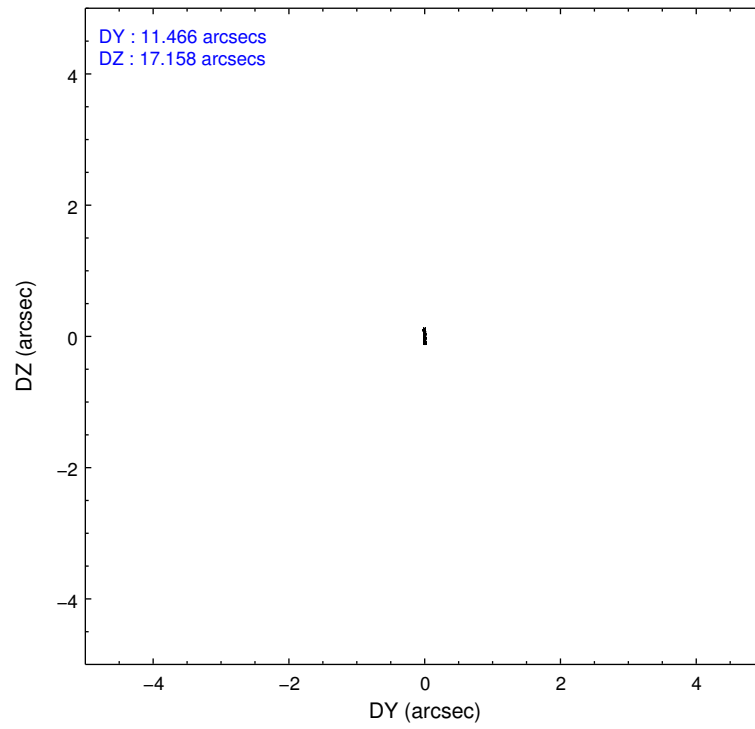
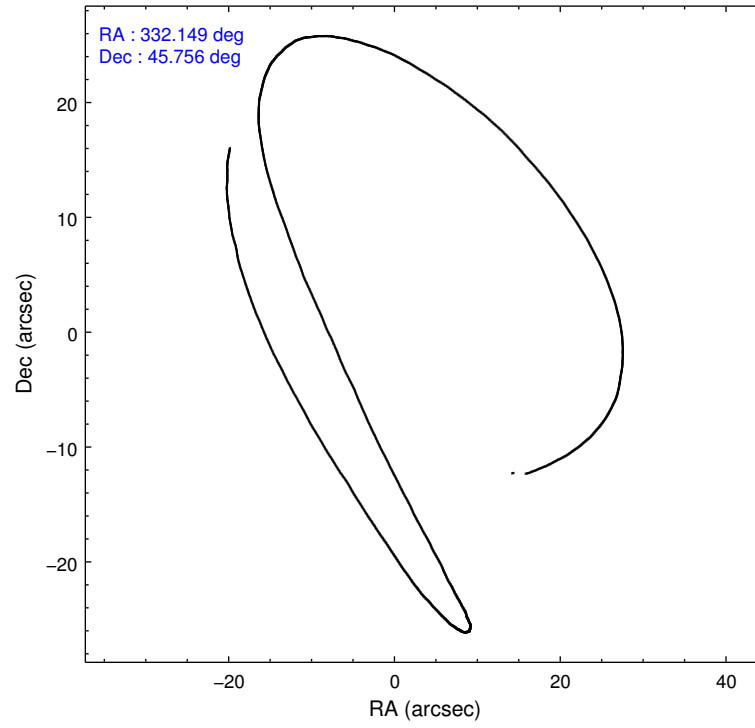
	segment 0
level 1 events	252789
rejected events	54034
rejected %	21%

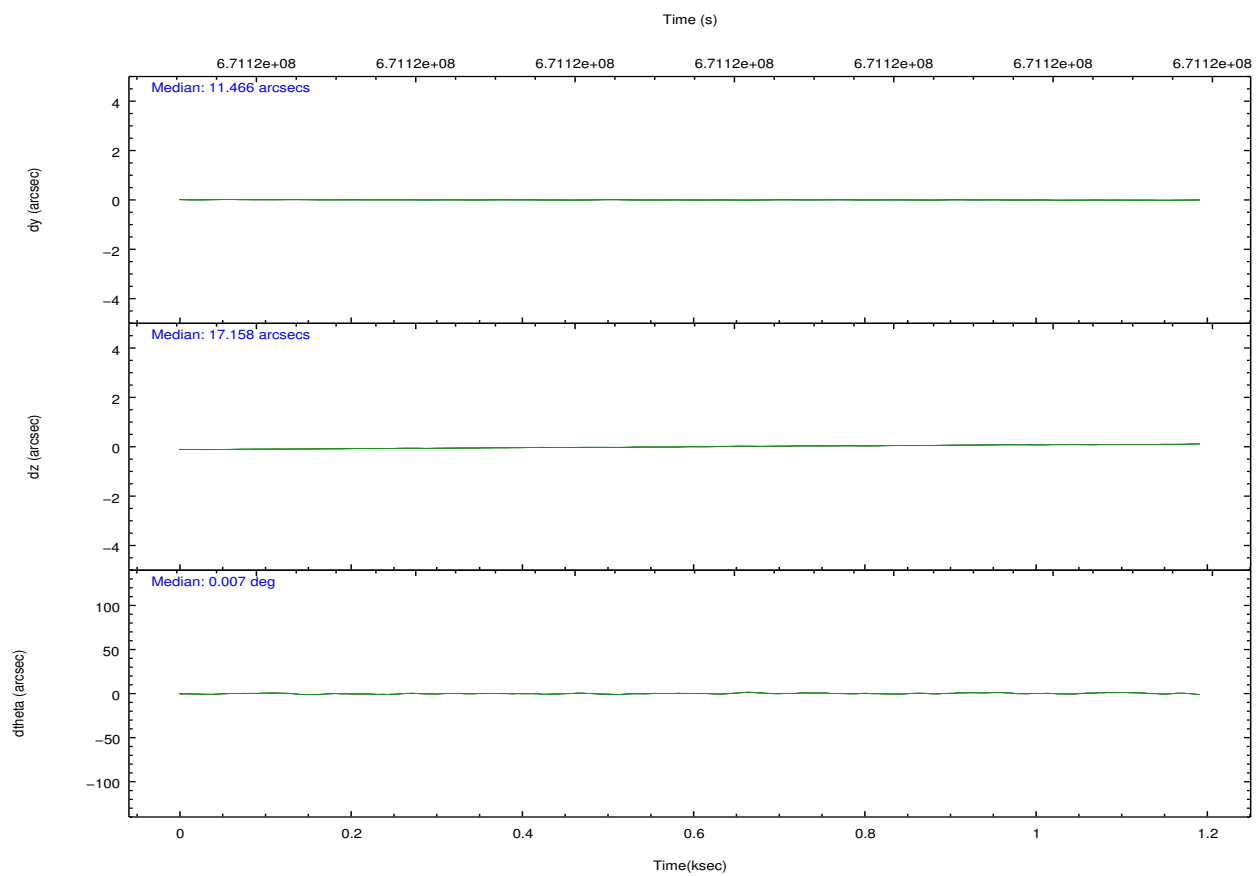
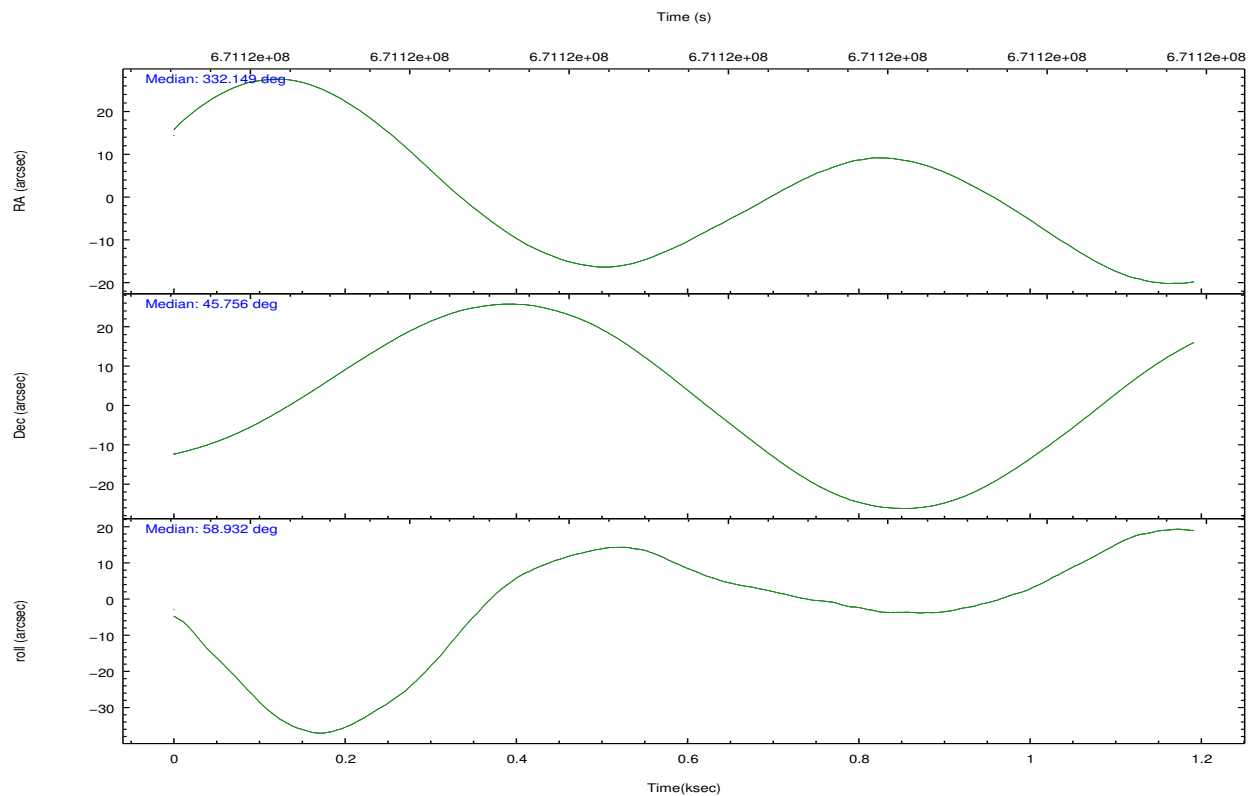
2.2 Compared Parameters

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	332.148554	332.1489425638771
[deg] Pointing Dec	45.729129	45.7562201837092
[deg] Pointing Roll	59.029631	58.93382321339674
[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)	671120944.184000	671120567.32859
Observation start date	2019-04-08T14:27:55	2019-04-08T14:22:47
[s] Observation end time (MET)	671121944.184000	671122077.66618
Observation end date	2019-04-08T14:44:35	2019-04-08T14:47:57

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

2.3 Aspect



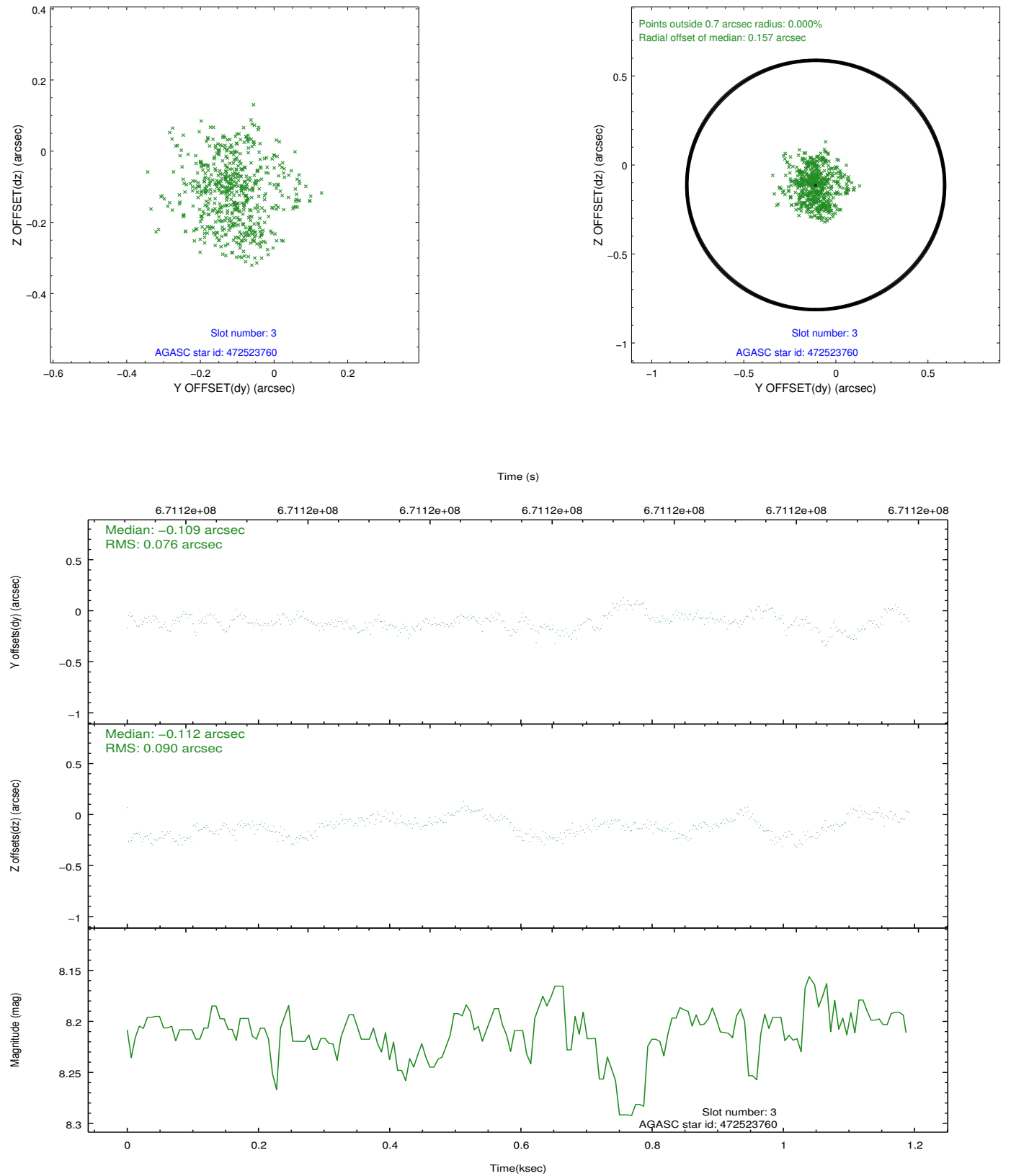


Slot Statistics

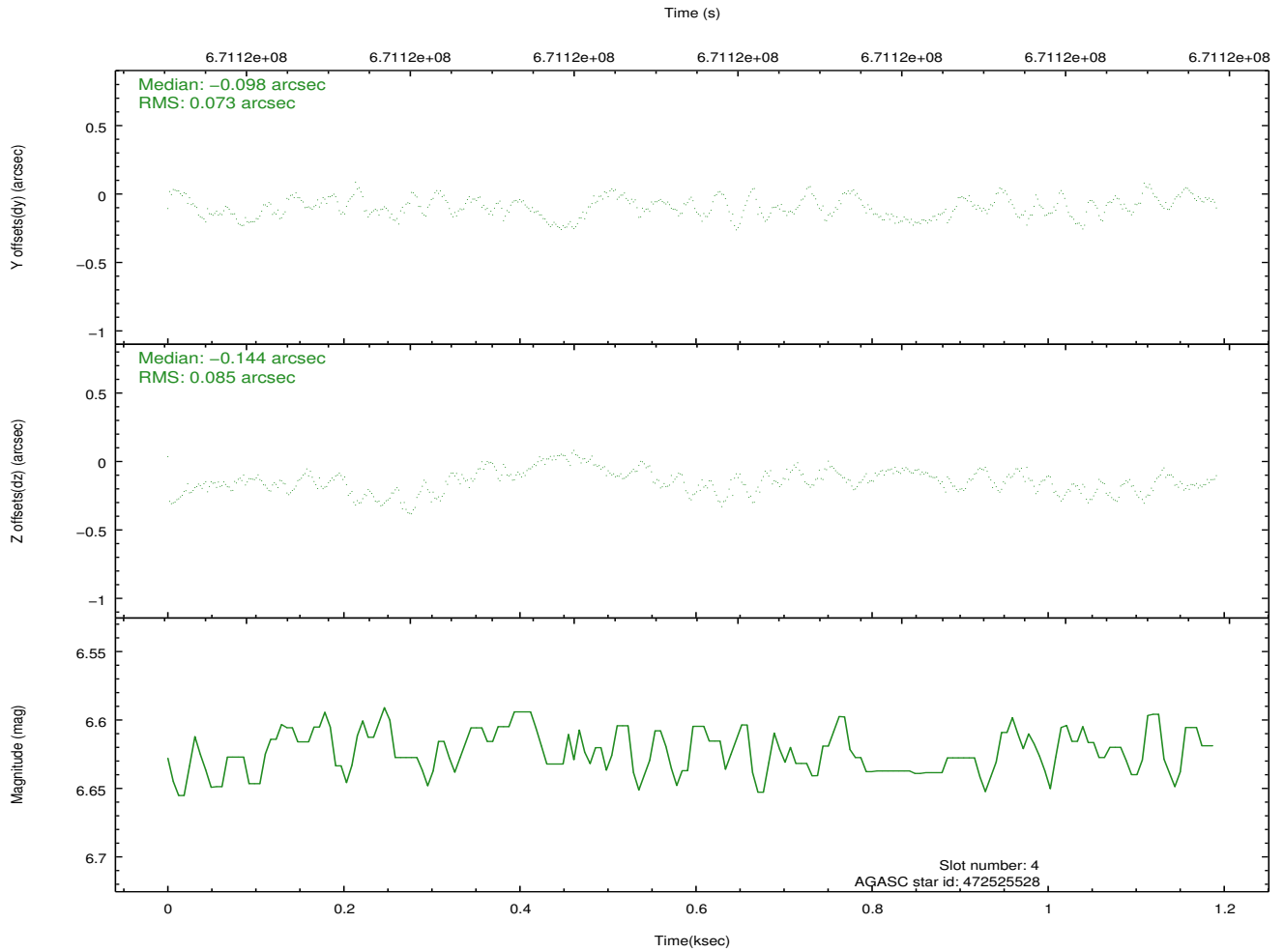
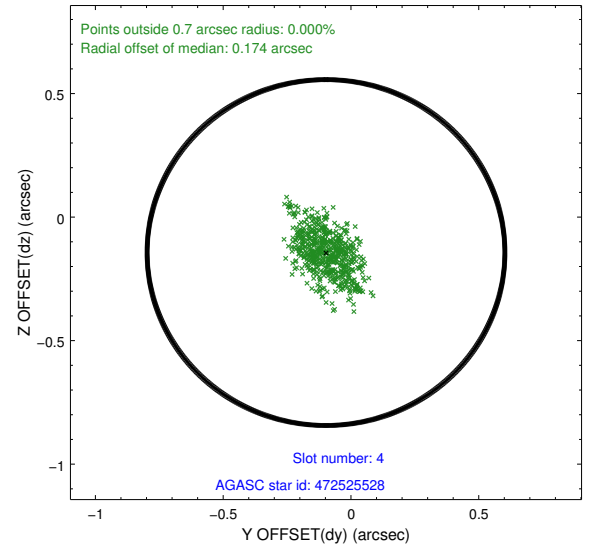
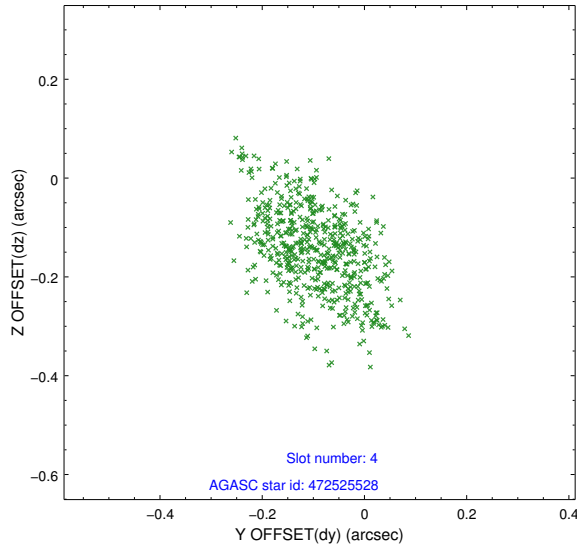
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-2	7.03	291	1.000	0.087	-0.154	0.008	0.014	0.000000	0.000000	845.59	-1306
1	FID		HRC-I-3	7.09	291	1.000	-0.383	0.037	0.007	0.011	0.000000	0.000000	-1193.16	994
2	FID		HRC-I-4	7.02	291	1.000	0.415	0.030	0.009	0.016	0.000000	0.000000	1271.91	1000
3	GUIDE	used	472523760	8.21	581	1.000	-0.109	-0.112	0.132	0.194	331.645363	45.403260	-1657.02	490
4	GUIDE	used	472525528	6.63	582	1.000	-0.098	-0.144	0.116	0.198	331.551102	45.248694	-2259.84	413
5	GUIDE	used	472655152	9.39	581	1.000	0.093	-0.057	0.208	0.368	332.504239	45.862991	870.16	-513
6	GUIDE	used	472665256	8.97	581	1.000	-0.306	-0.046	0.159	0.245	332.808125	46.195041	2291.28	-541
7	GUIDE	used	472649352	9.73	581	1.000	0.400	0.368	0.232	0.362	332.034169	45.325407	-1390.34	-498

2.4 Star Slots

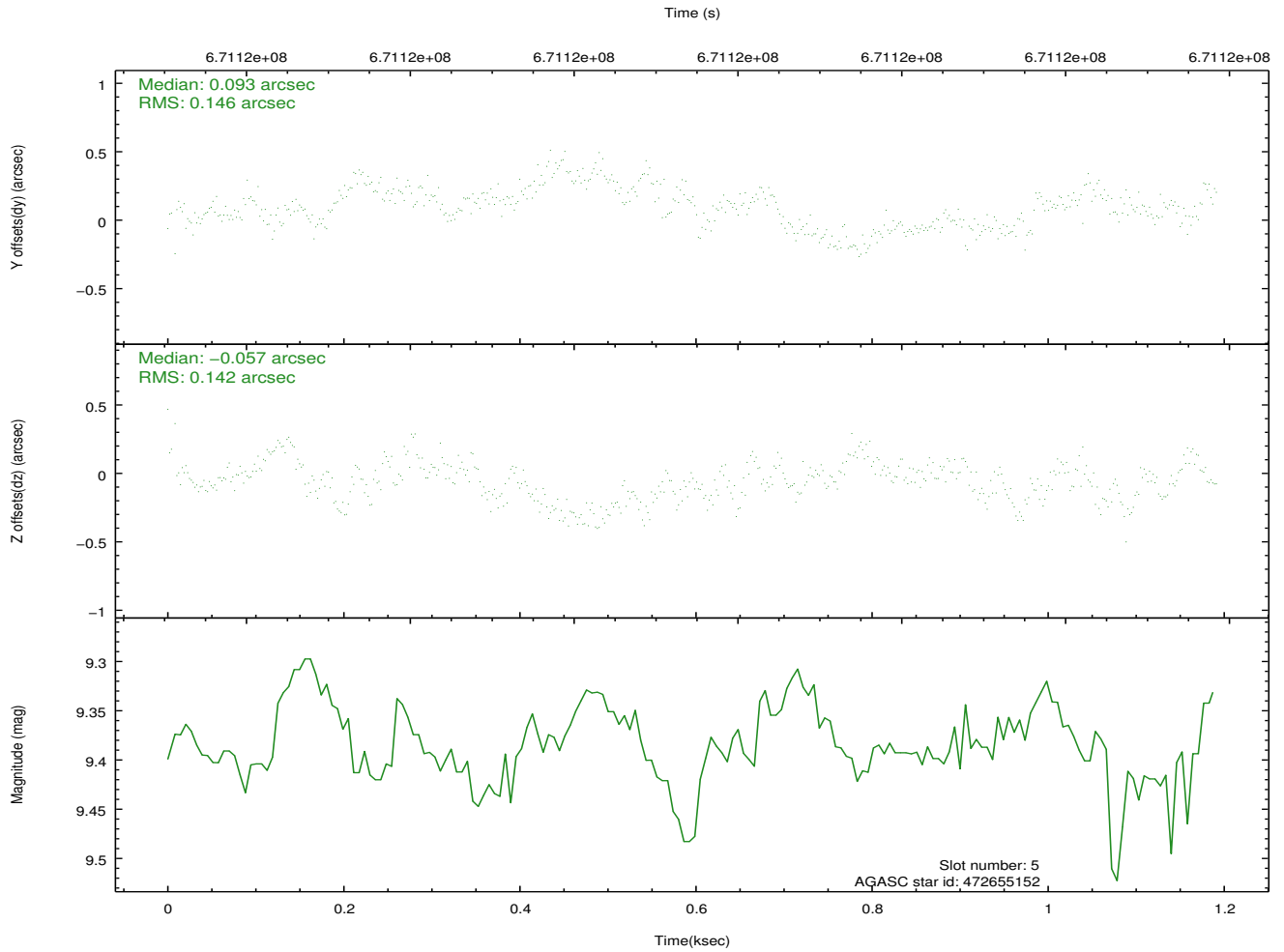
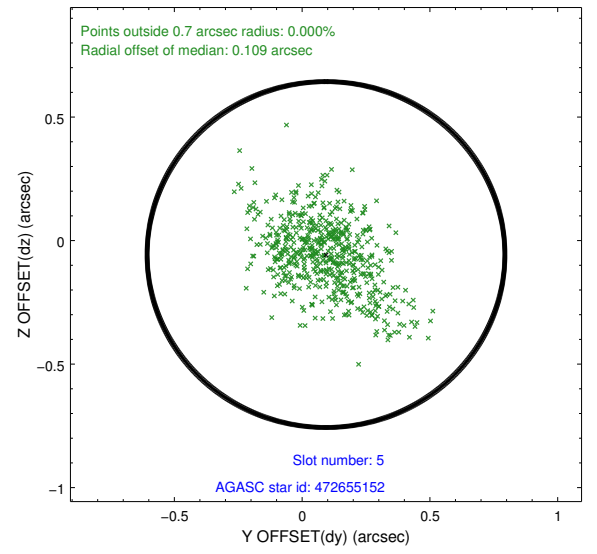
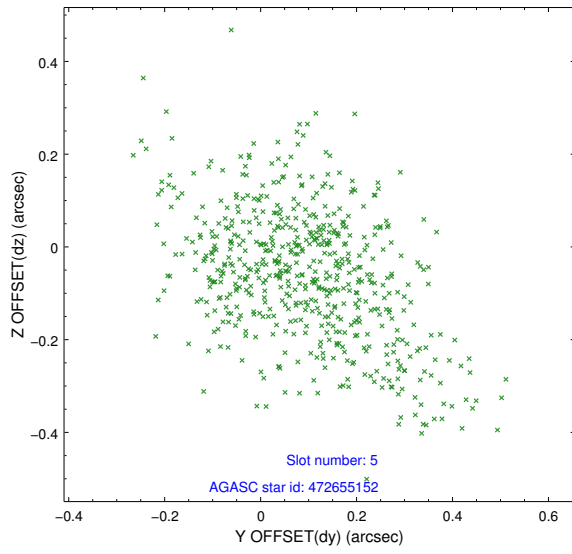
2.4.1 Slot 3



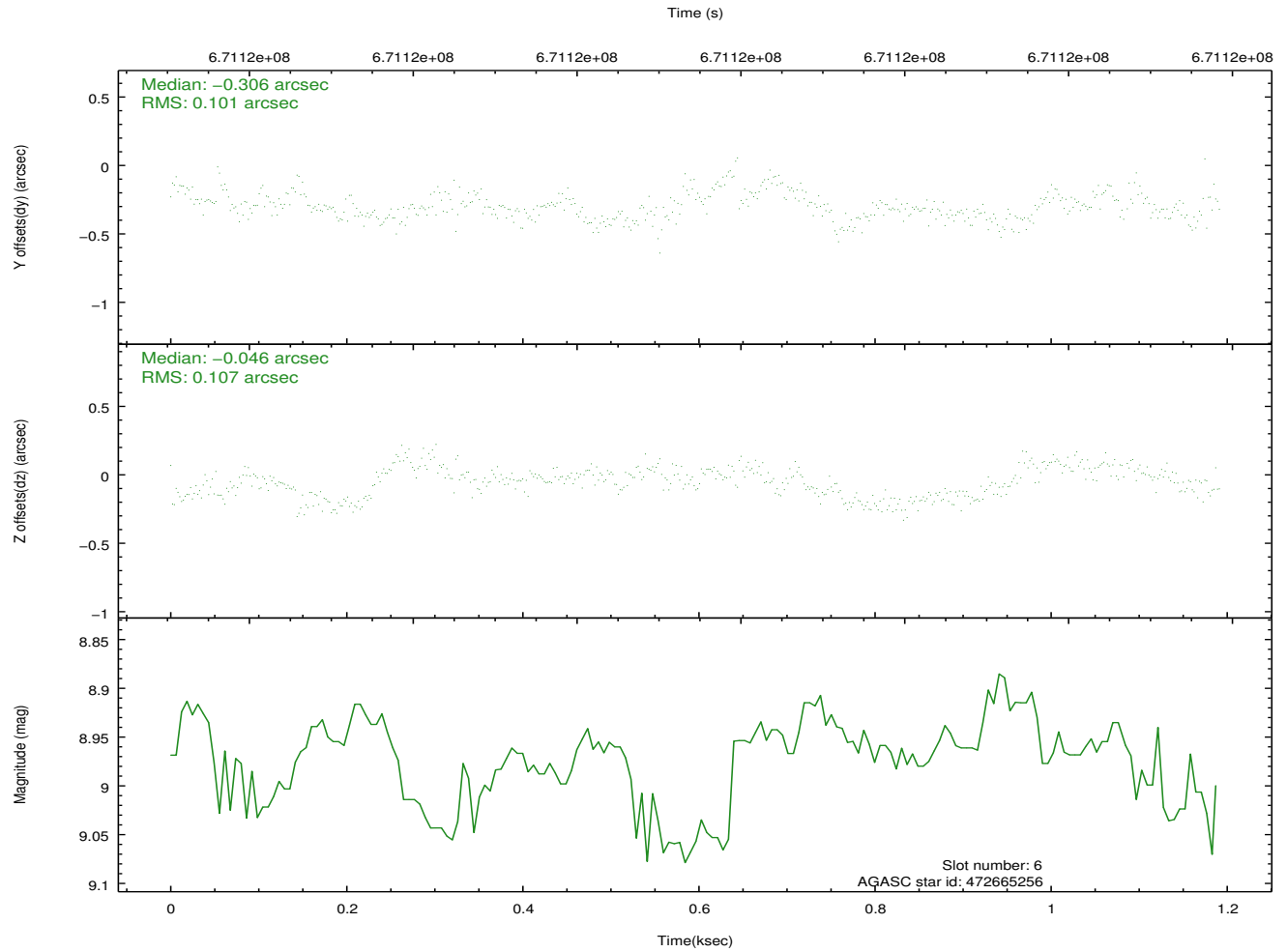
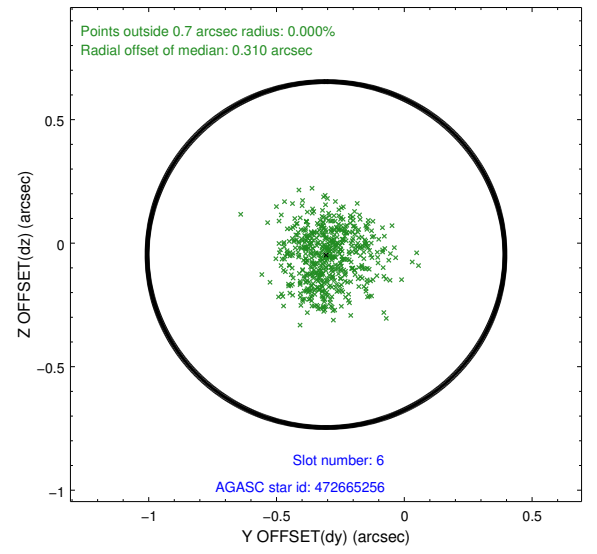
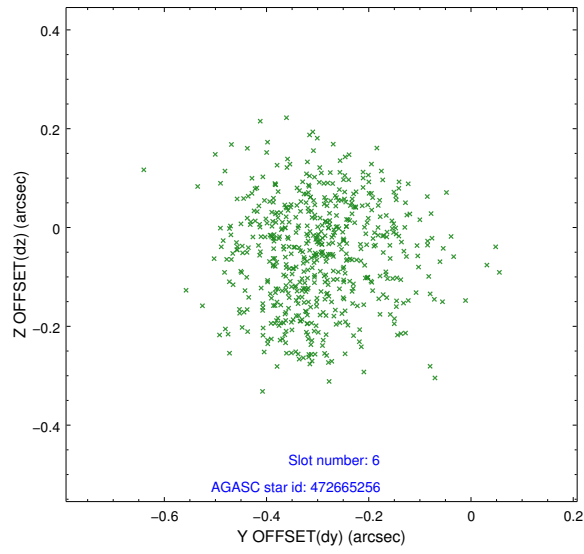
2.4.2 Slot 4



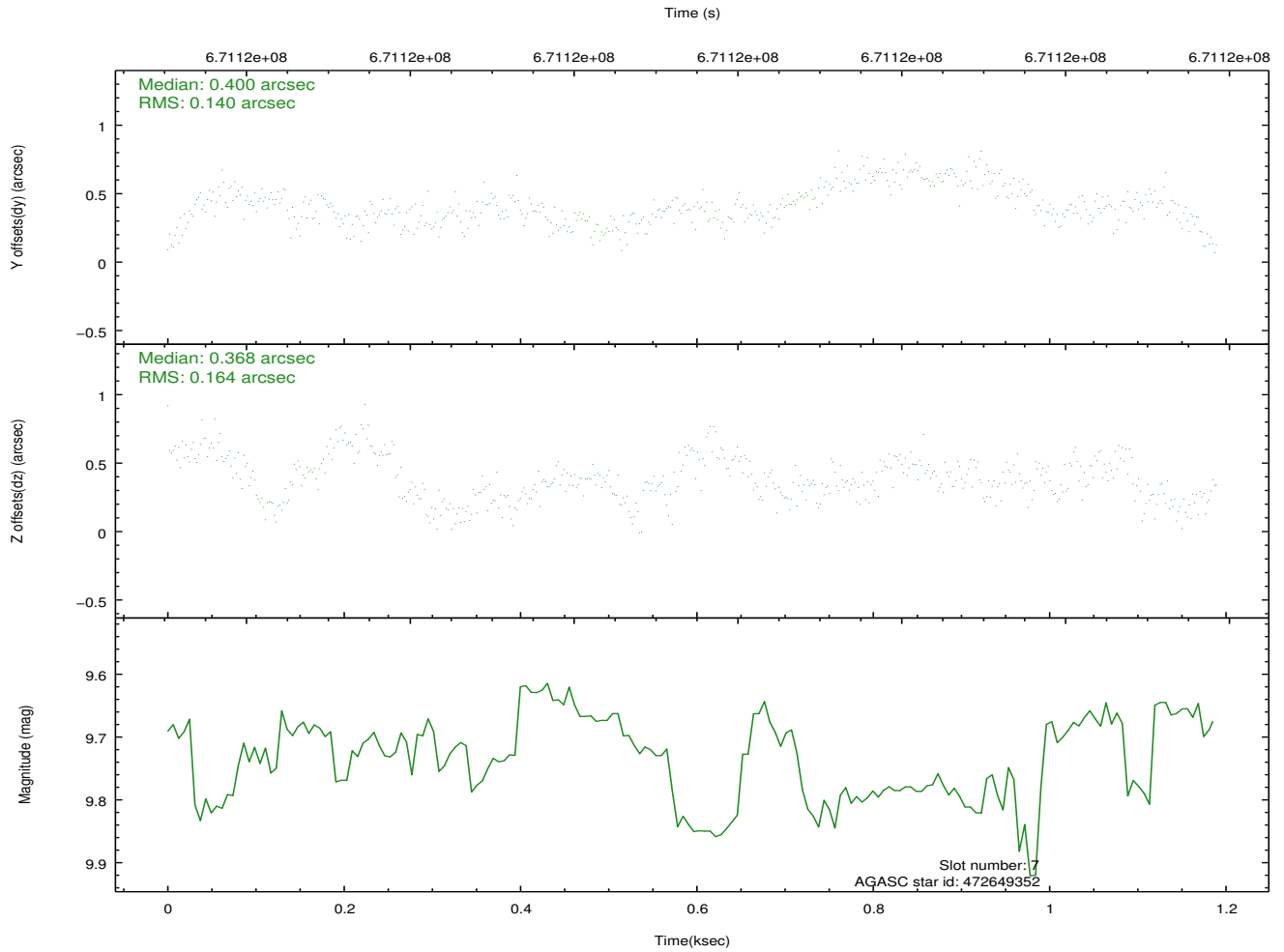
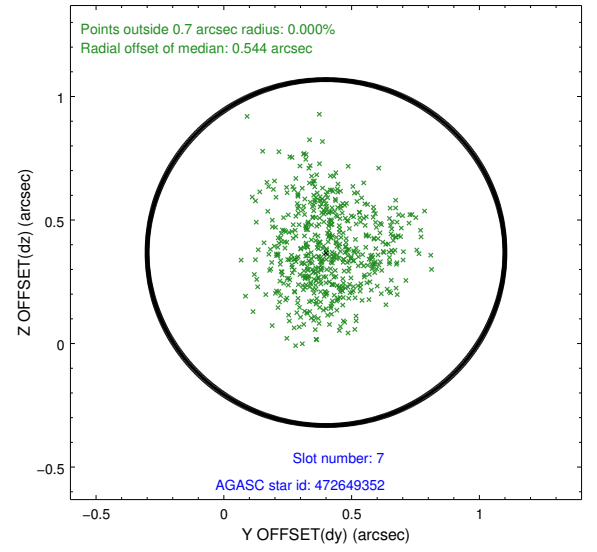
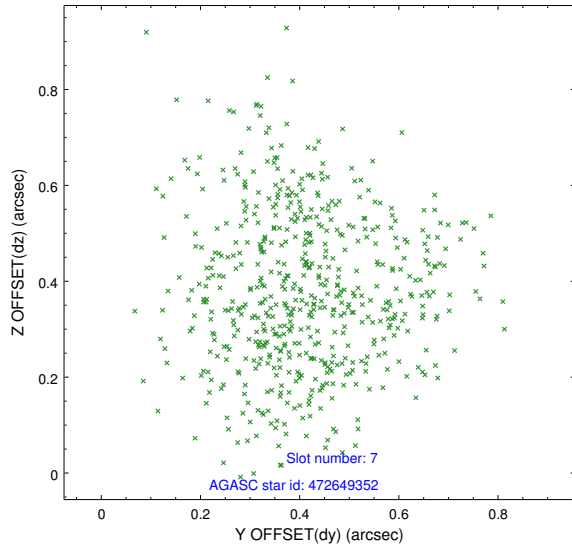
2.4.3 Slot 5



2.4.4 Slot 6

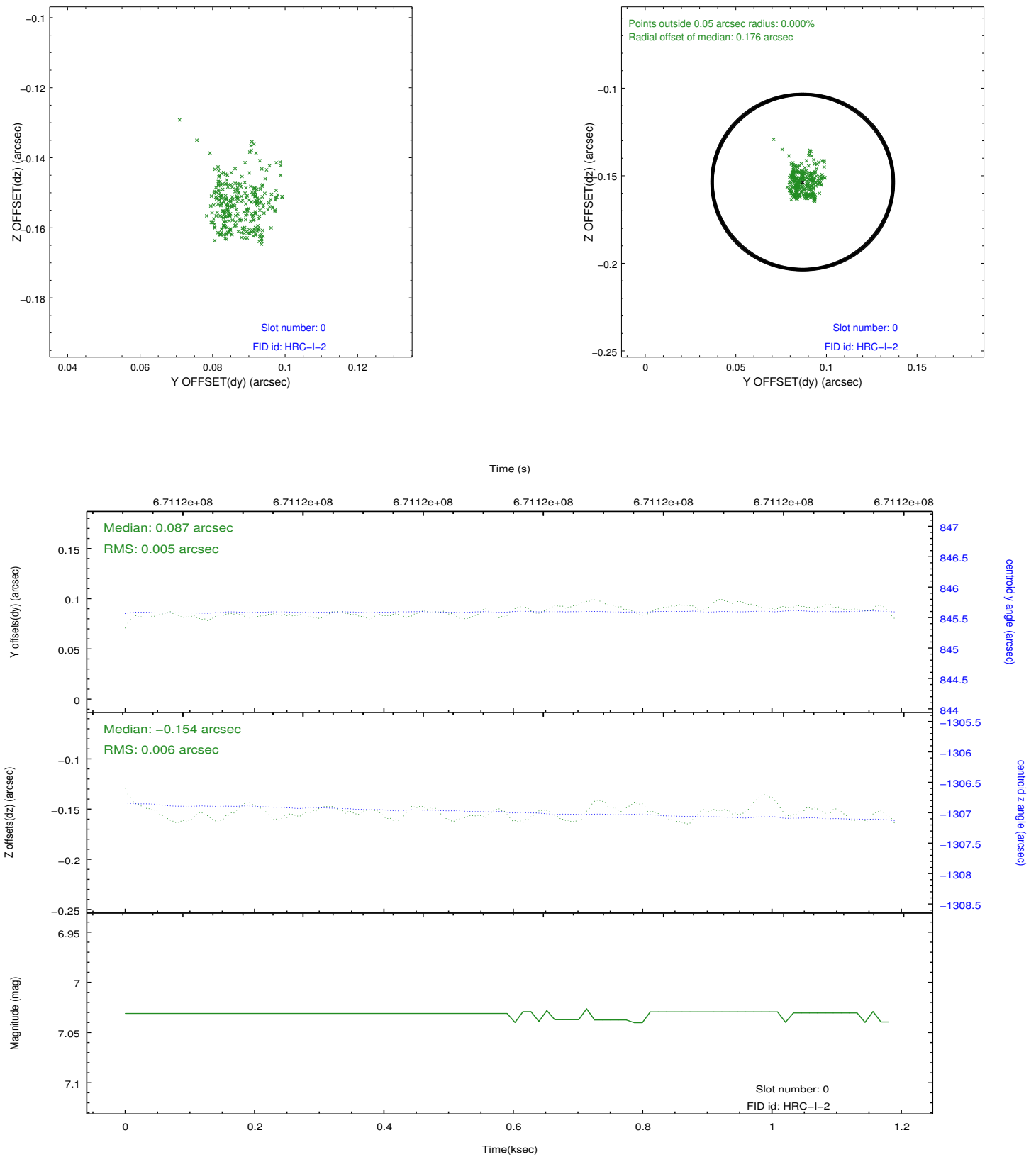


2.4.5 Slot 7

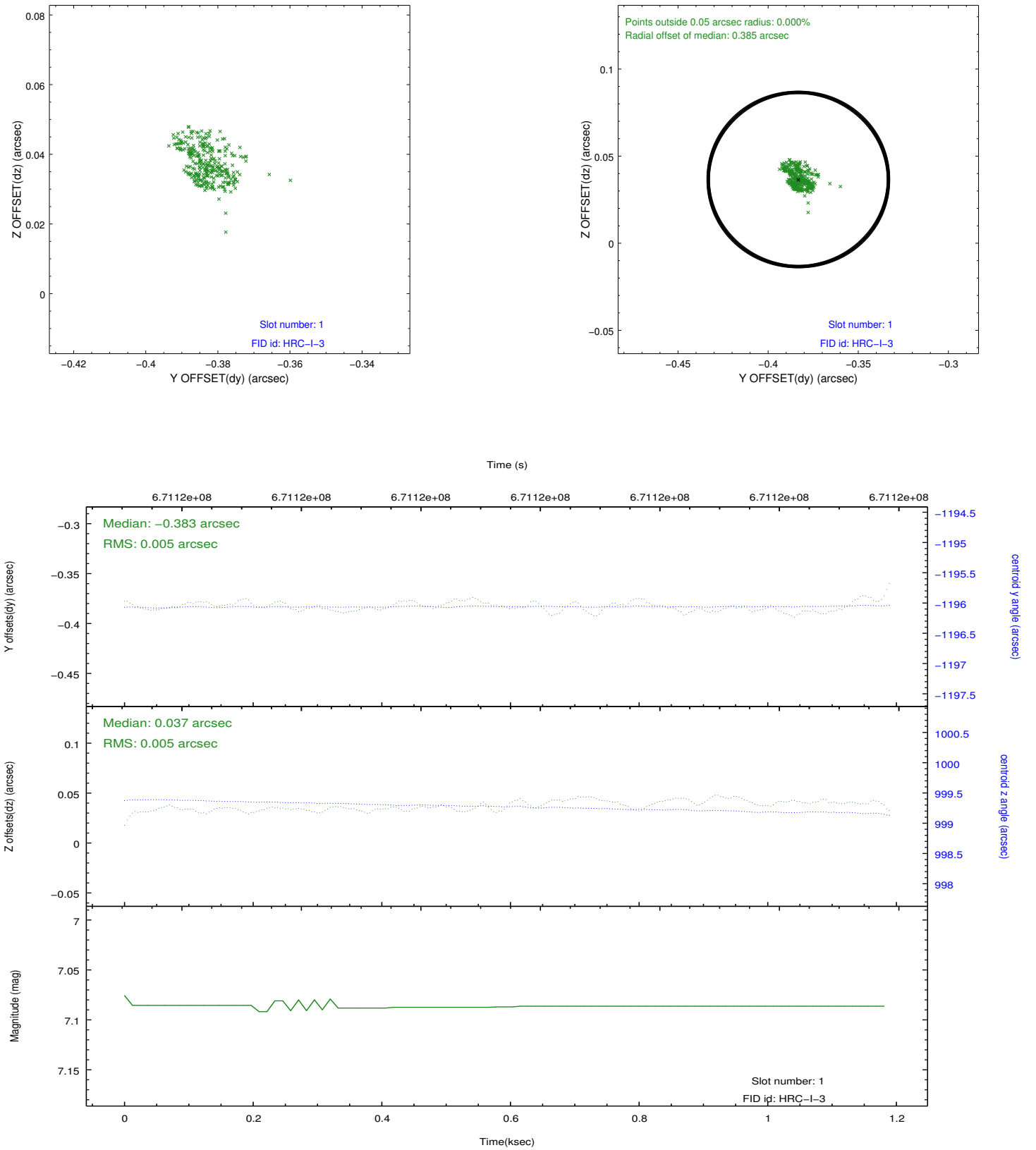


2.5 FID Slots

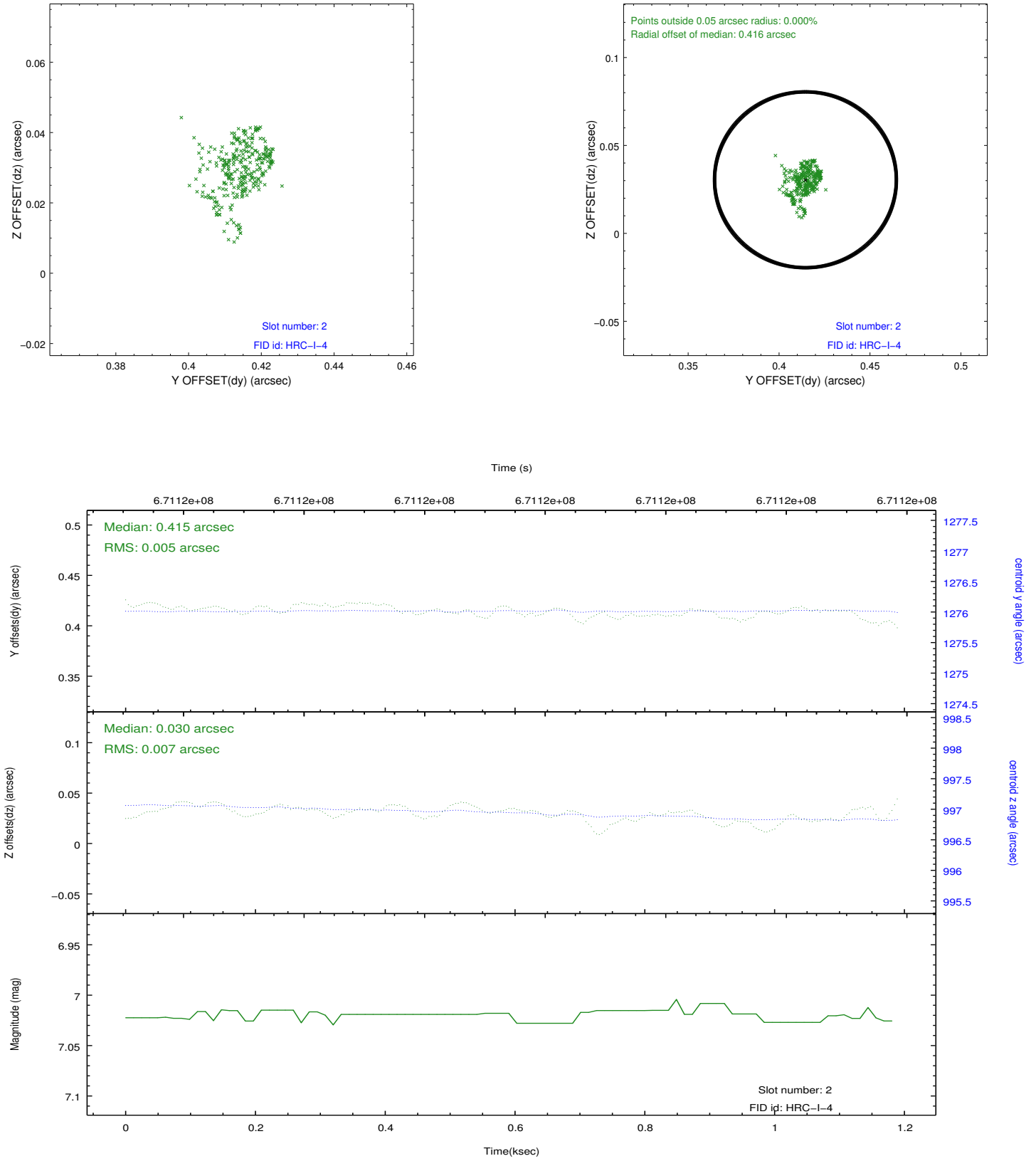
2.5.1 Slot 0



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)	2019.04.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1902813214064

A.2 Comments