

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 21759 - L2 Version 1
Chandra X-Ray Center

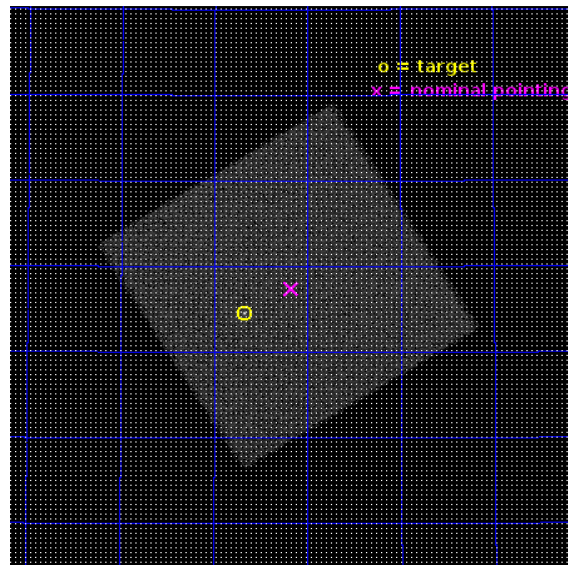
L2 Processing Date : Sep 4 2019

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1 Front

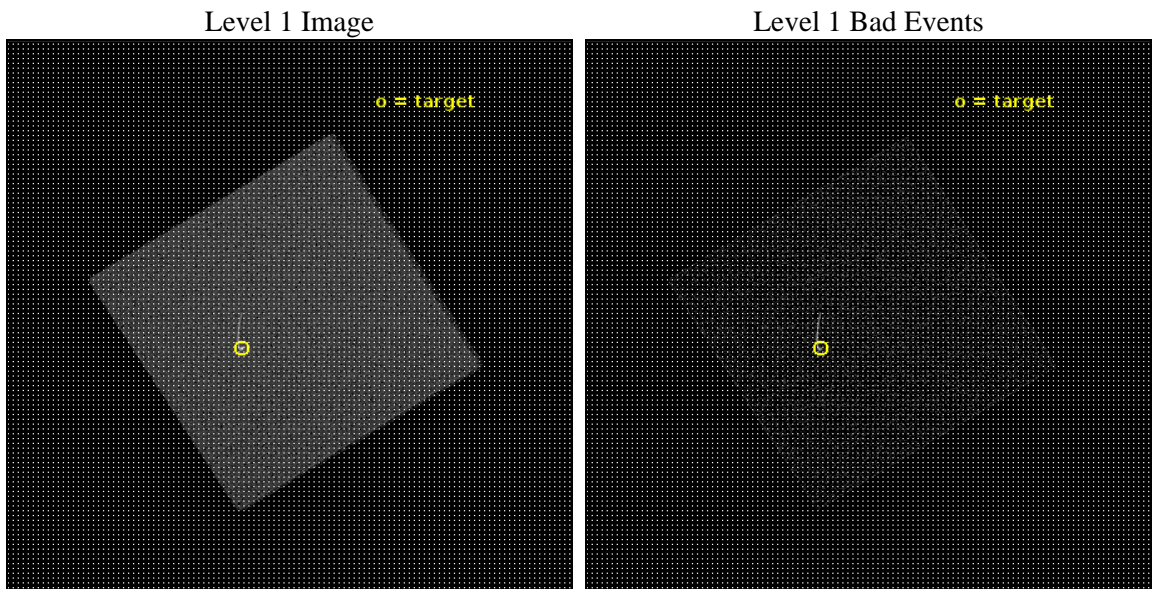
seq_num	291445	Sequence number
obs_id	21759	Observation id
title	AO-20 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.169666	Observer's specified target RA [deg]
dec_targ	45.742509	Observer's specified target Dec [deg]
ra_nom	332.04305289859	Nominal RA [deg]
dec_nom	45.790001977514	Nominal Dec [deg]
roll_nom	193.02451082749	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1196.4313220978	[s]
livetime	1179.4191028796	Ontime multiplied by DTCOR
l2events	149970	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	10.8	Processing system revision	ontime	1196.4313220978	[s]
caldsver	4.8.4	 	l1events	292315	Number of level 1 events
date	2019-09-04T15:33:52	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

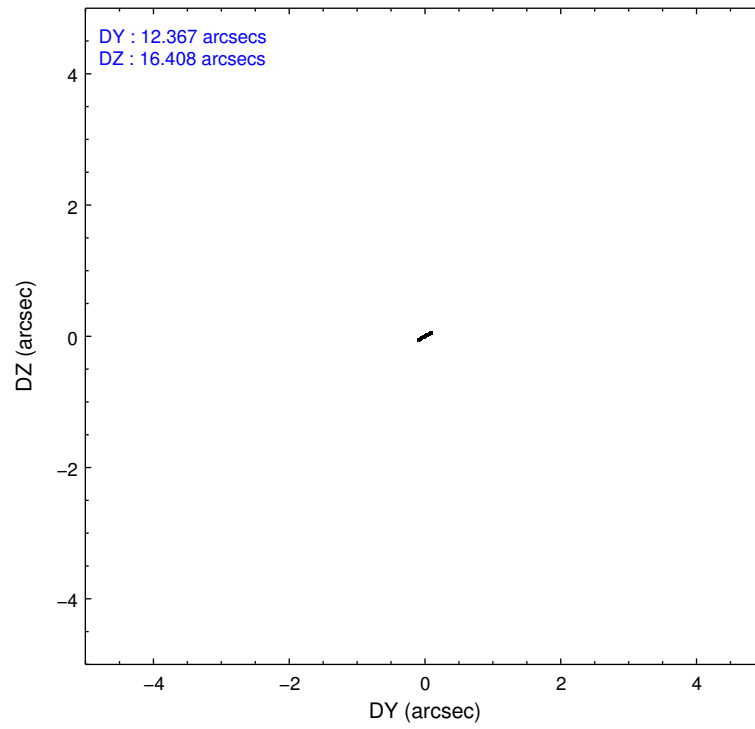
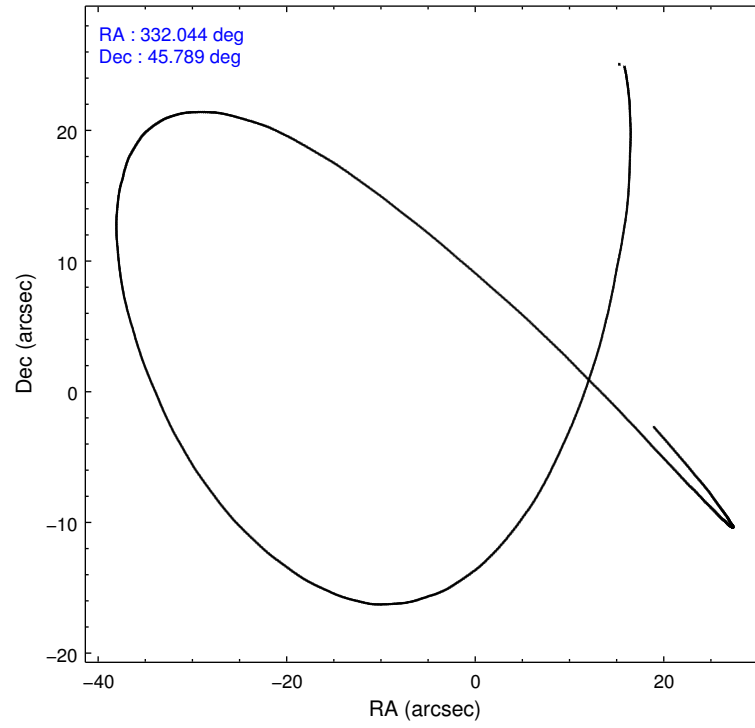
Level 1 Events

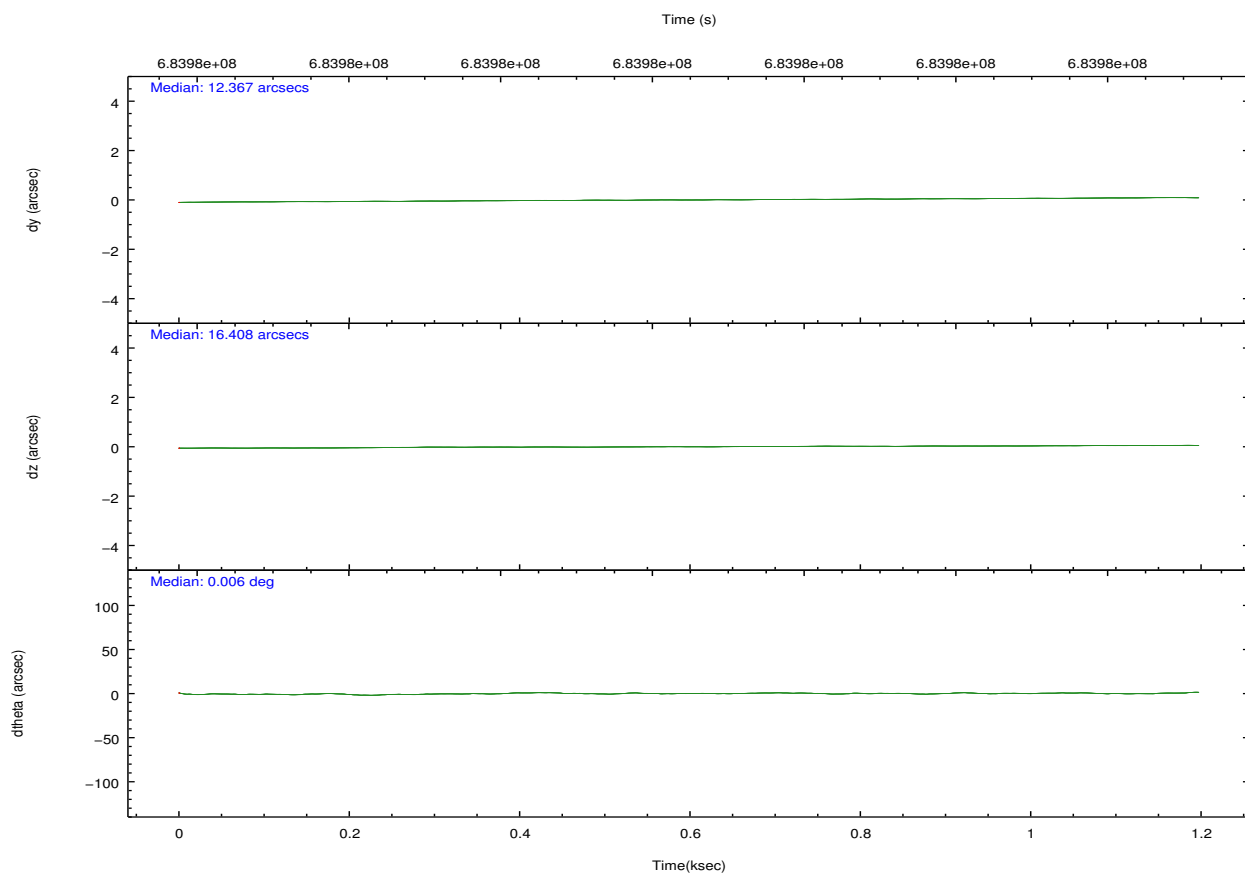
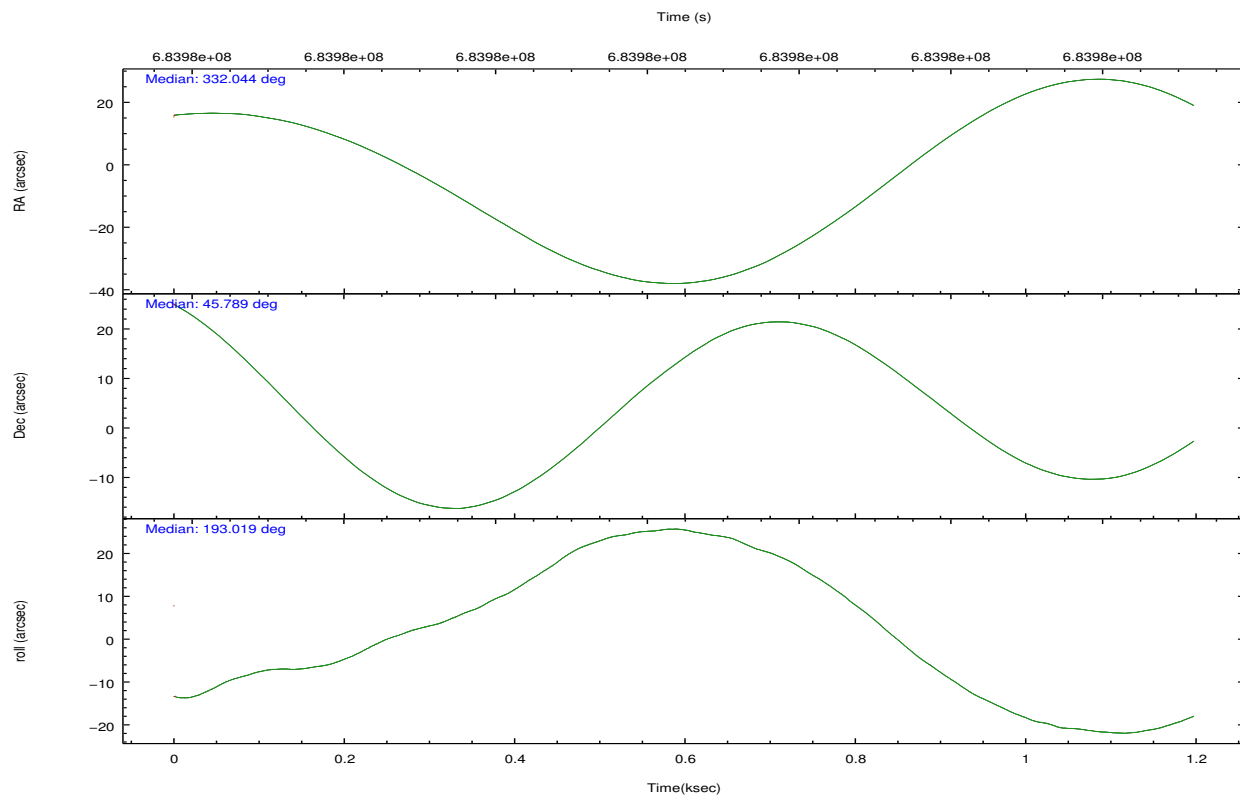
	segment 0
level 1 events	292315
rejected events	96804
rejected %	33%

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	332.070125	332.043052898588			
[deg] Pointing Dec	45.809788	45.79000197751425			
[deg] Pointing Roll	193.100546	193.0245108274854			
[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)	683975253.184000	683974877.33753			
Observation start date	2019-09-04T09:06:24	2019-09-04T09:01:17			
[s] Observation end time (MET)	683976253.184000	683976668.01264			
Observation end date	2019-09-04T09:23:04	2019-09-04T09:31:08			

2.3 Aspect



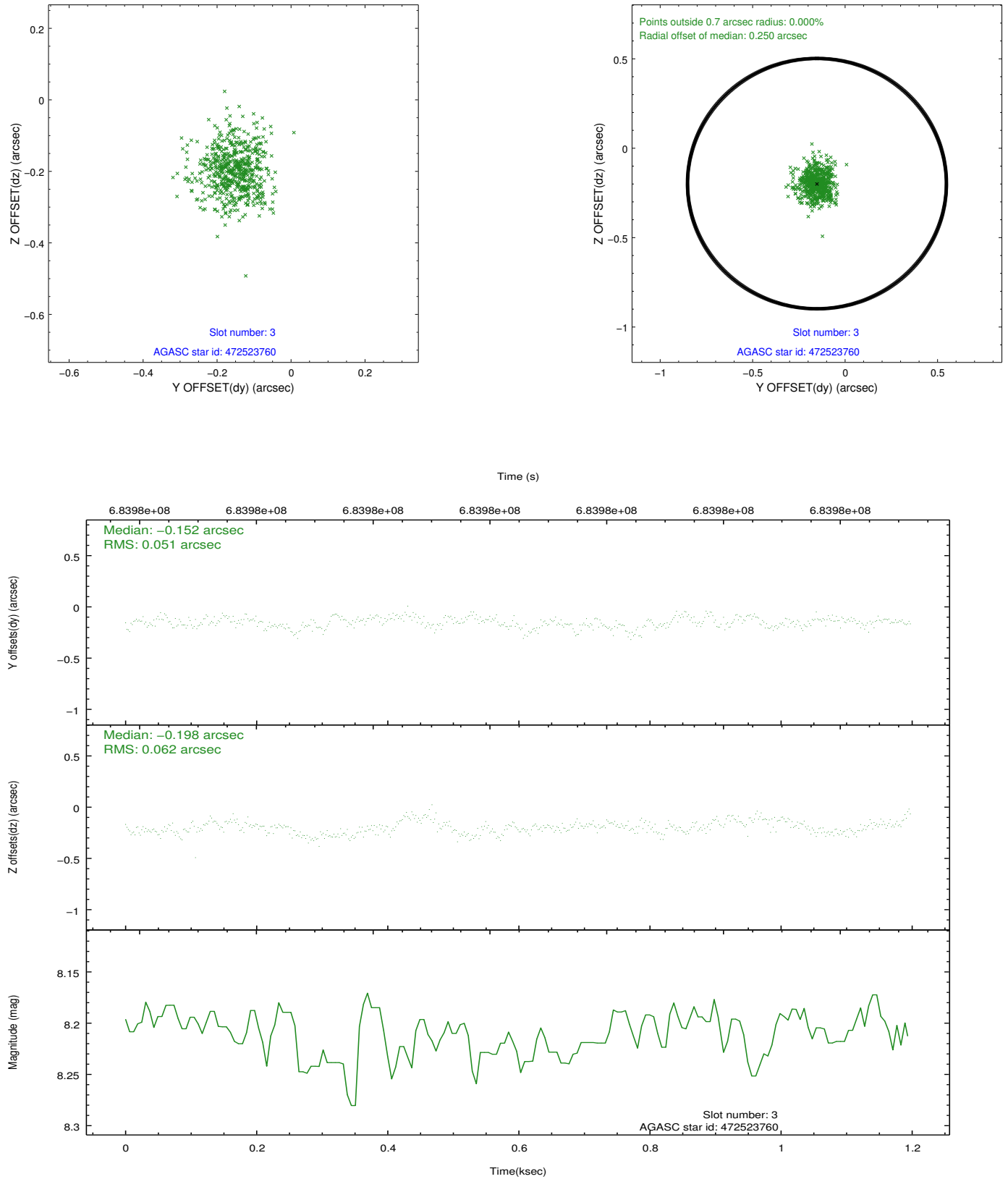


Slot Statistics

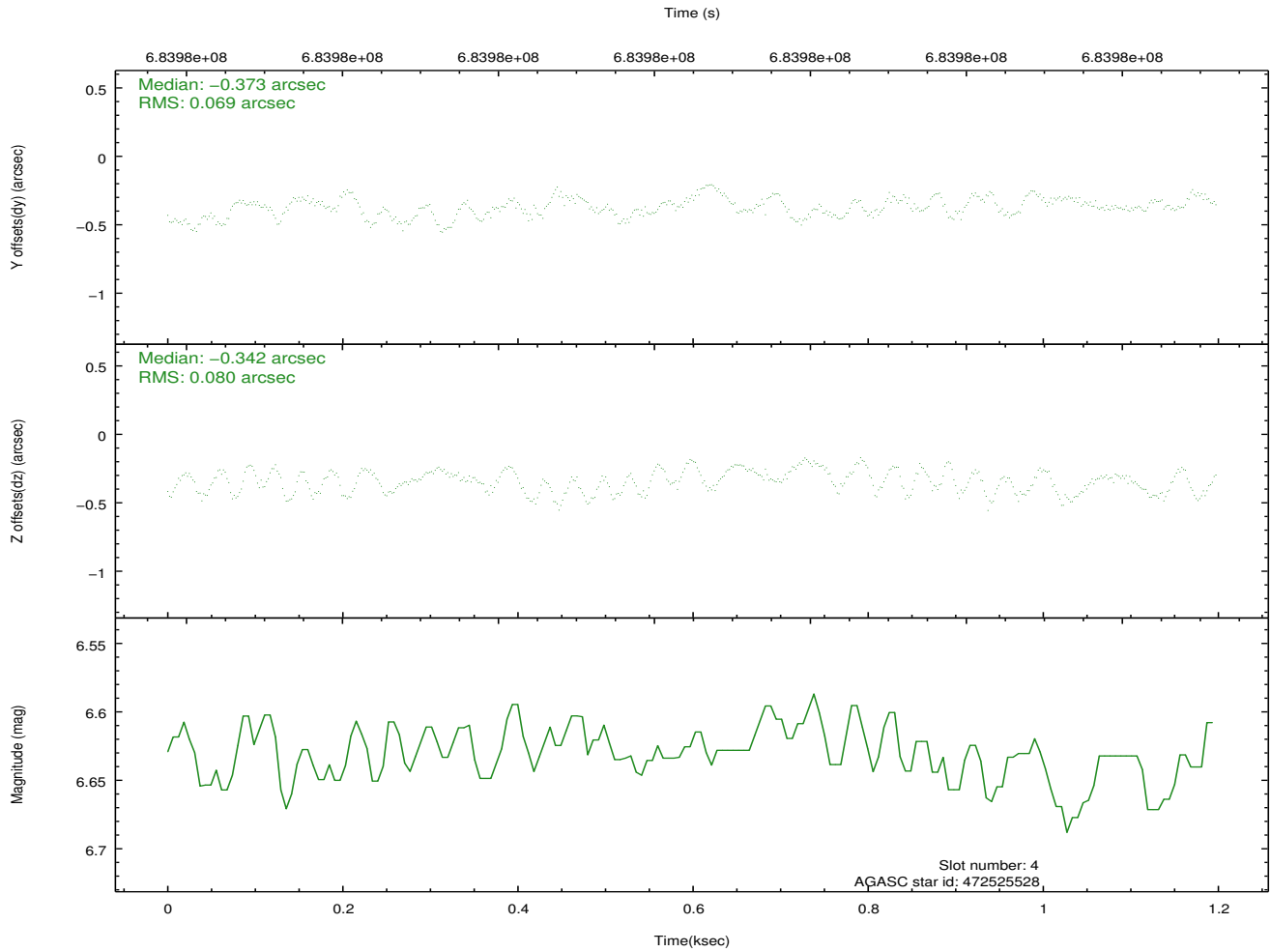
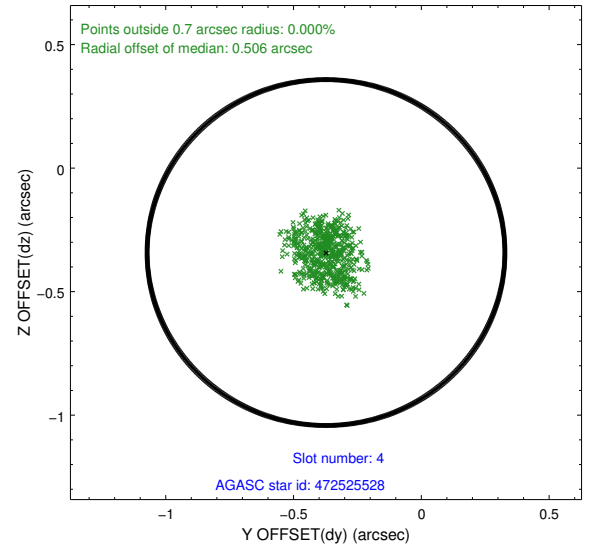
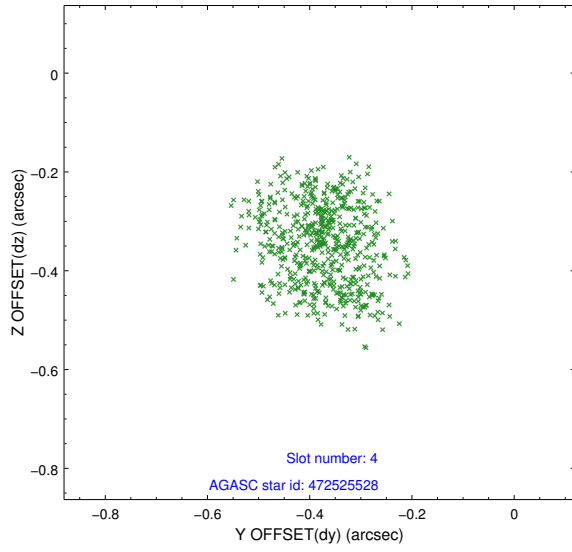
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.06	293	1.000	-0.269	-0.024	0.010	0.022	0.000000	0.000000	-768.31	-1304
1	FID		HRC-I-2	7.07	293	1.000	0.456	-0.154	0.008	0.014	0.000000	0.000000	842.42	-1310
2	FID		HRC-I-3	7.12	293	1.000	-0.068	0.089	0.008	0.013	0.000000	0.000000	-1193.81	995
3	GUIDE	used	472523760	8.21	584	1.000	-0.152	-0.198	0.083	0.140	331.645363	45.403260	1378.71	1176
4	GUIDE	used	472525528	6.63	585	1.000	-0.373	-0.342	0.117	0.171	331.551102	45.248694	1741.53	1664
5	GUIDE	used	472527720	6.99	585	1.000	-0.334	-0.435	0.125	0.195	331.460205	45.112509	2081.11	2087
6	GUIDE	used	472535576	7.83	585	1.000	0.224	0.385	0.093	0.159	331.438373	46.291802	1141.86	-2051
7	GUIDE	used	472665256	8.95	581	1.000	0.646	0.596	0.124	0.210	332.808125	46.195041	-2102.70	-948

2.4 Star Slots

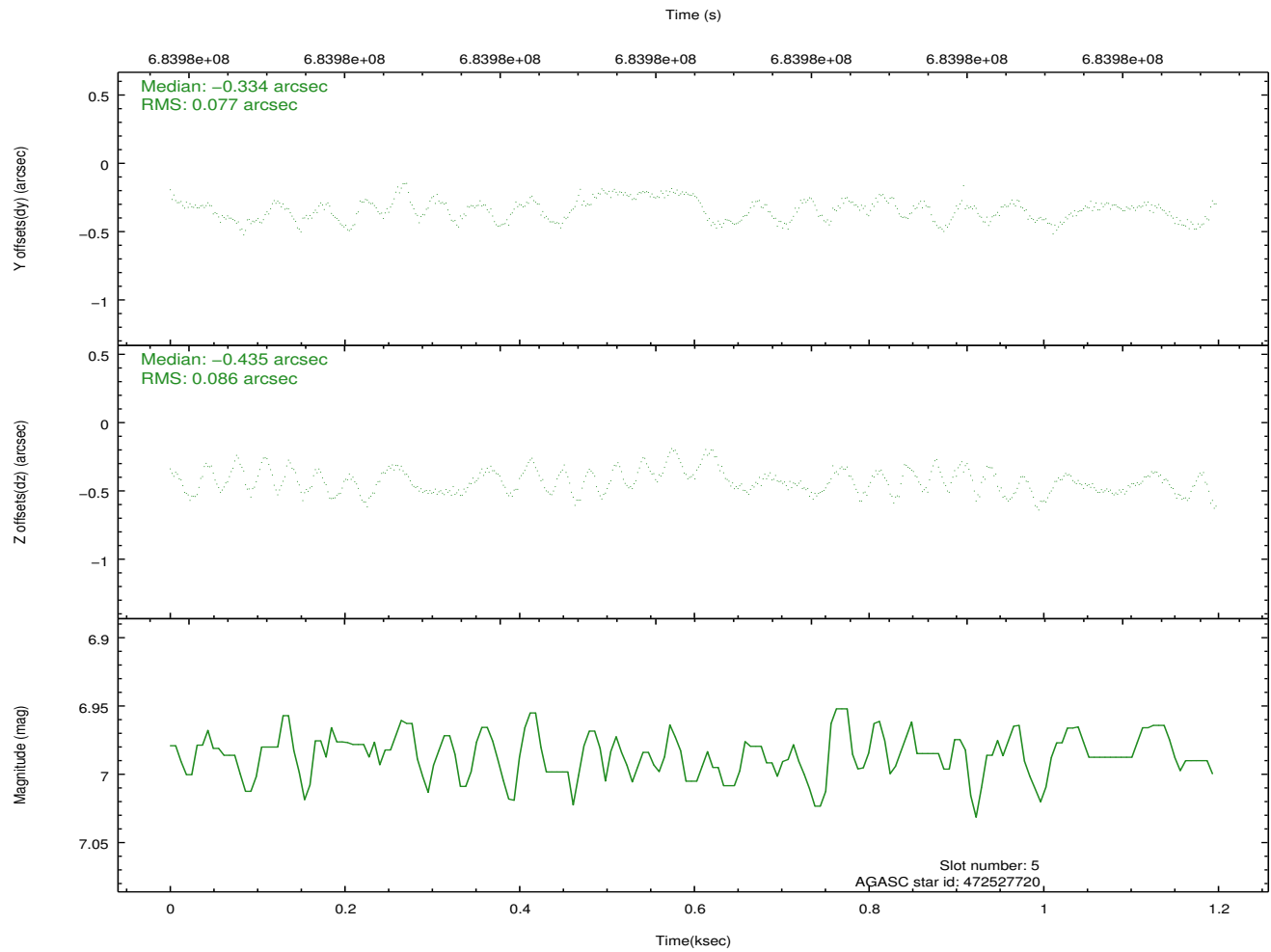
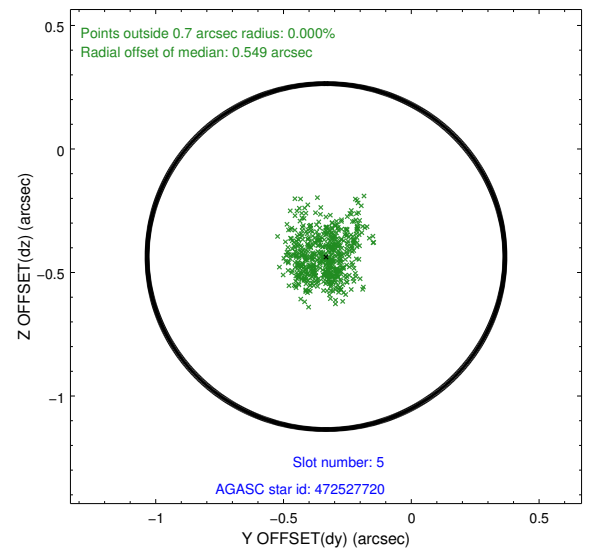
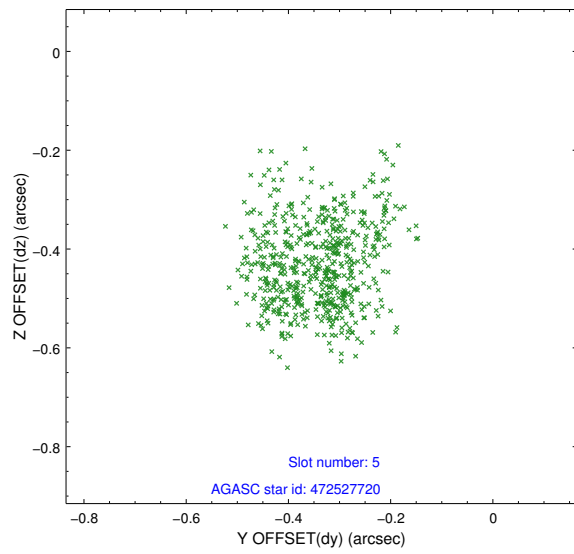
2.4.1 Slot 3



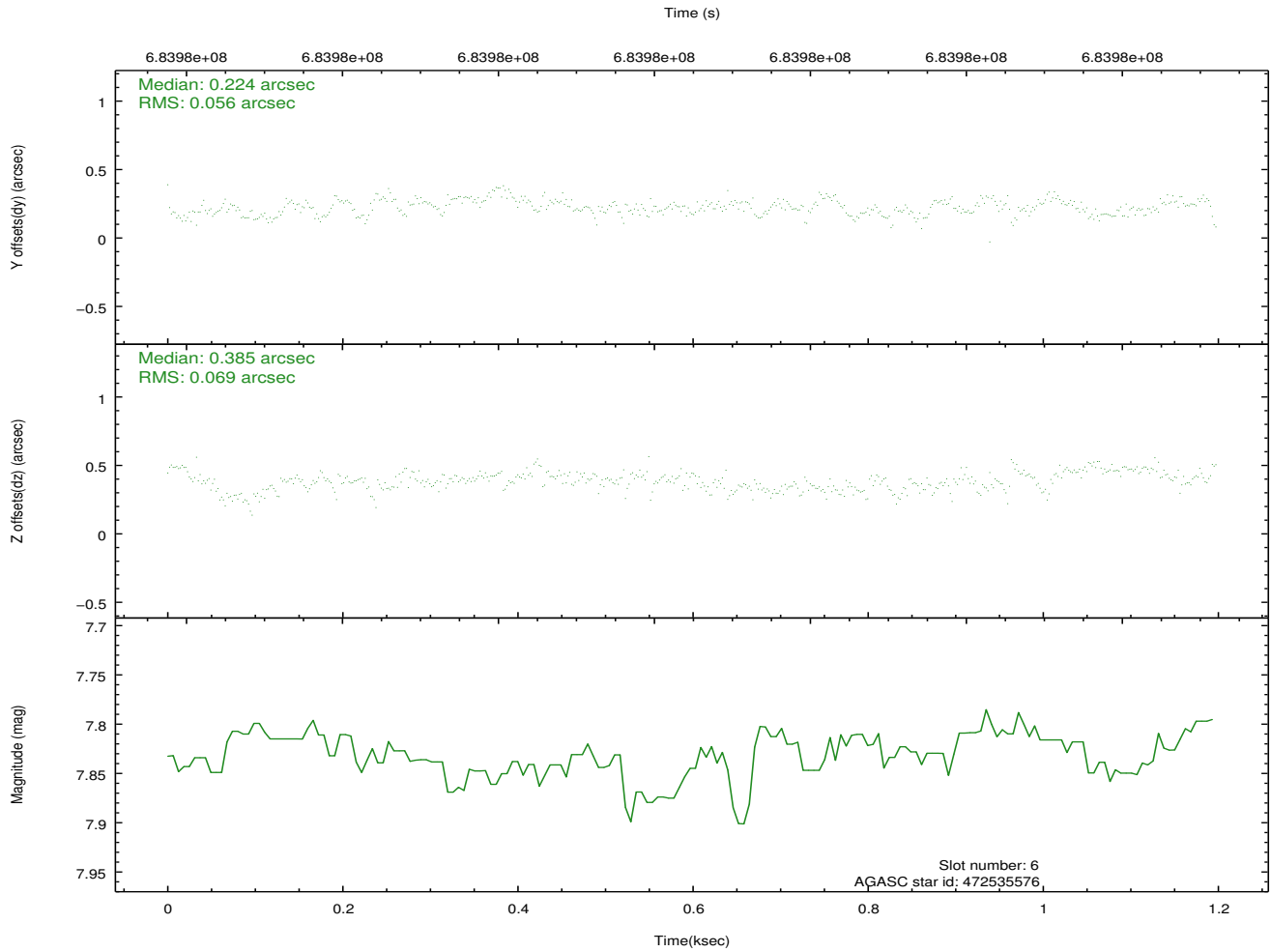
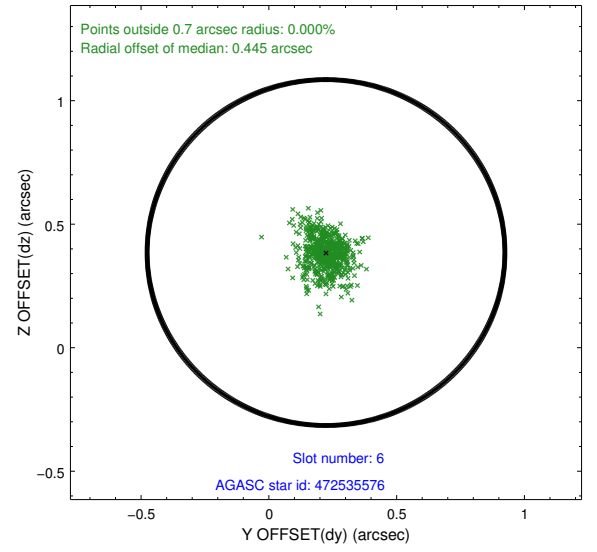
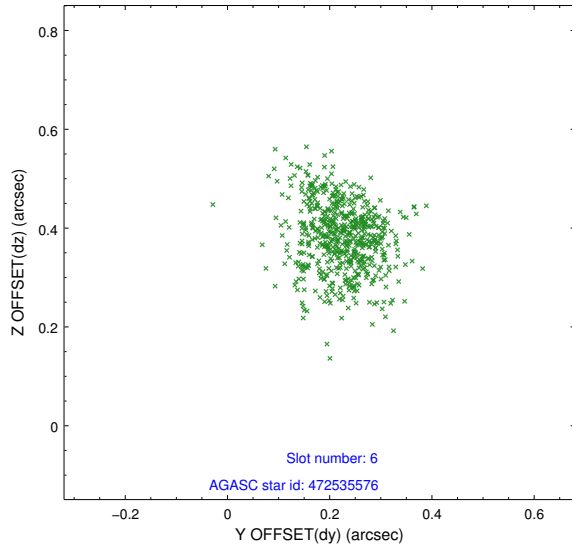
2.4.2 Slot 4



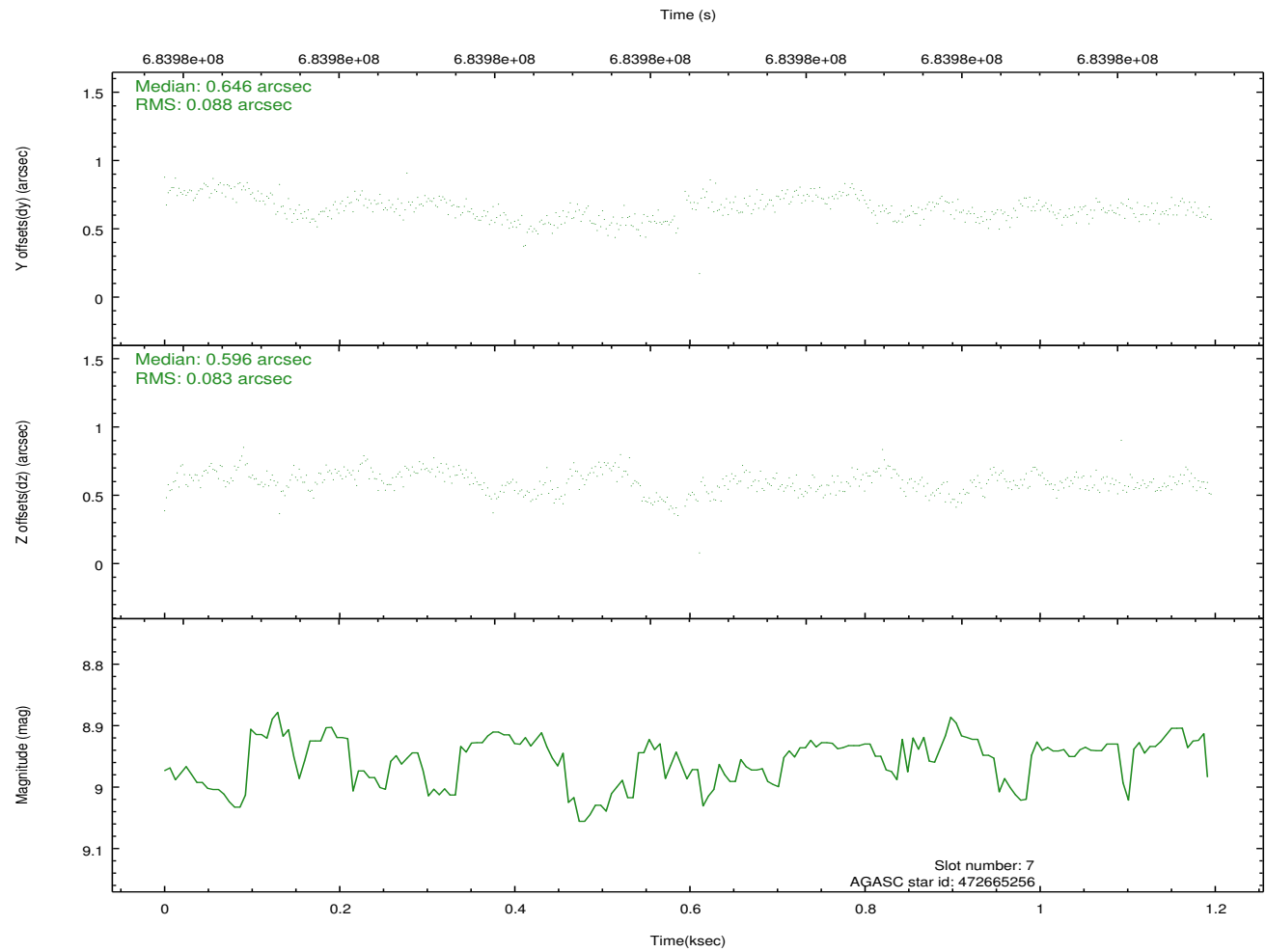
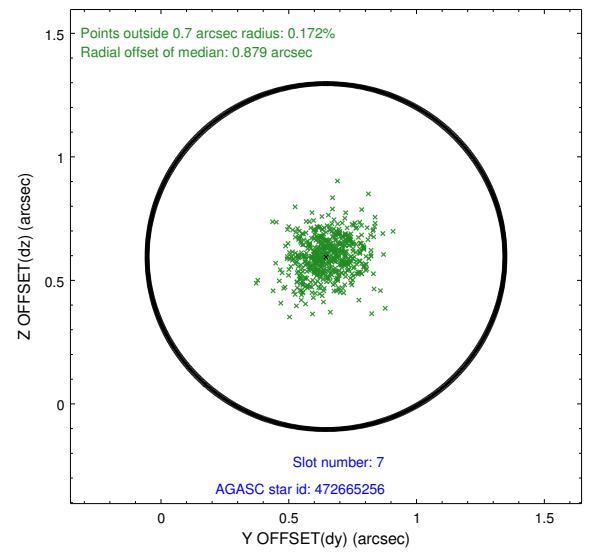
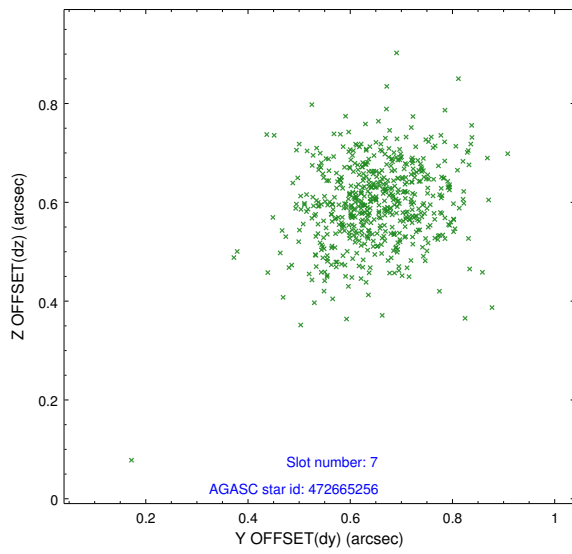
2.4.3 Slot 5



2.4.4 Slot 6

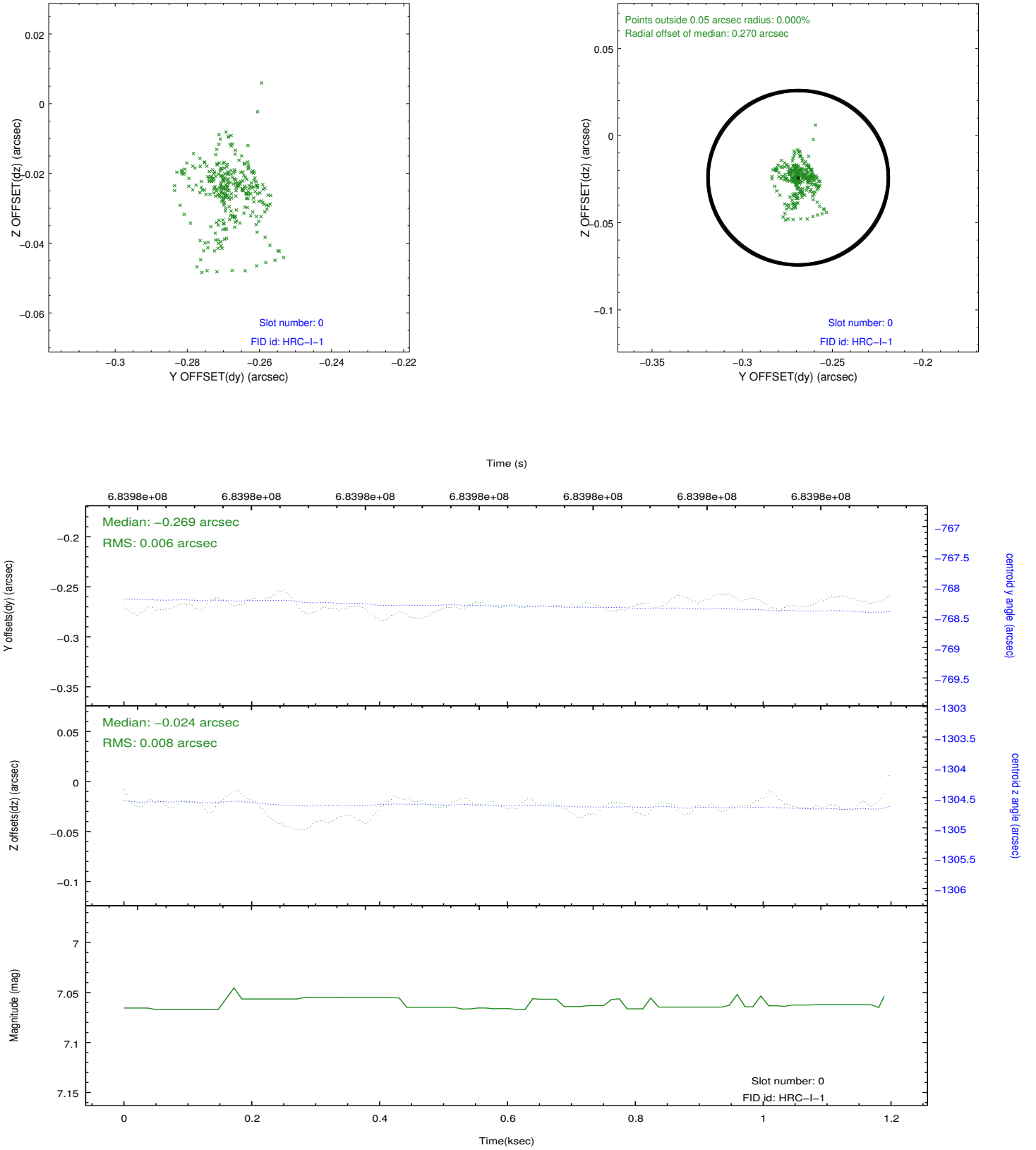


2.4.5 Slot 7

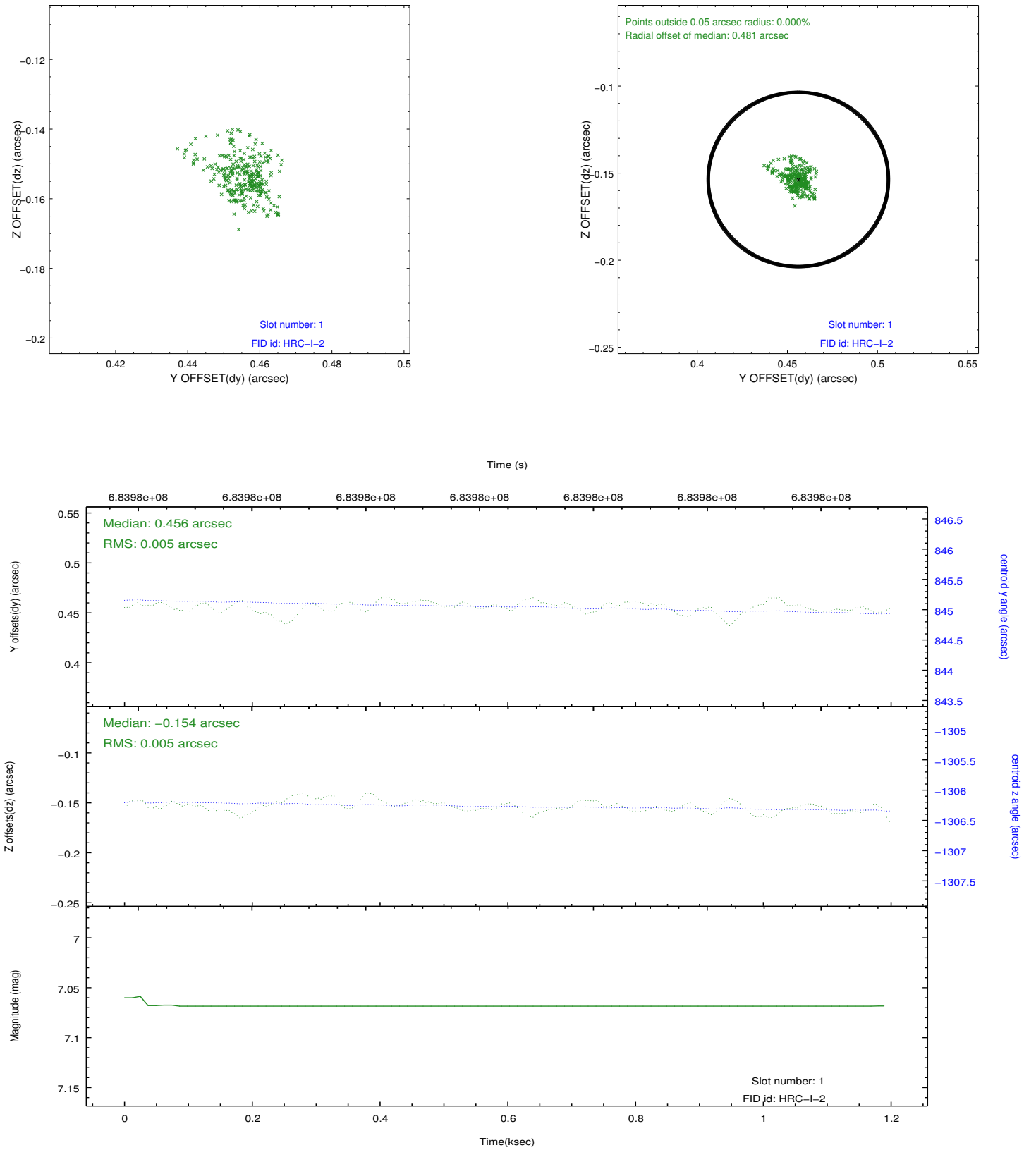


2.5 FID Slots

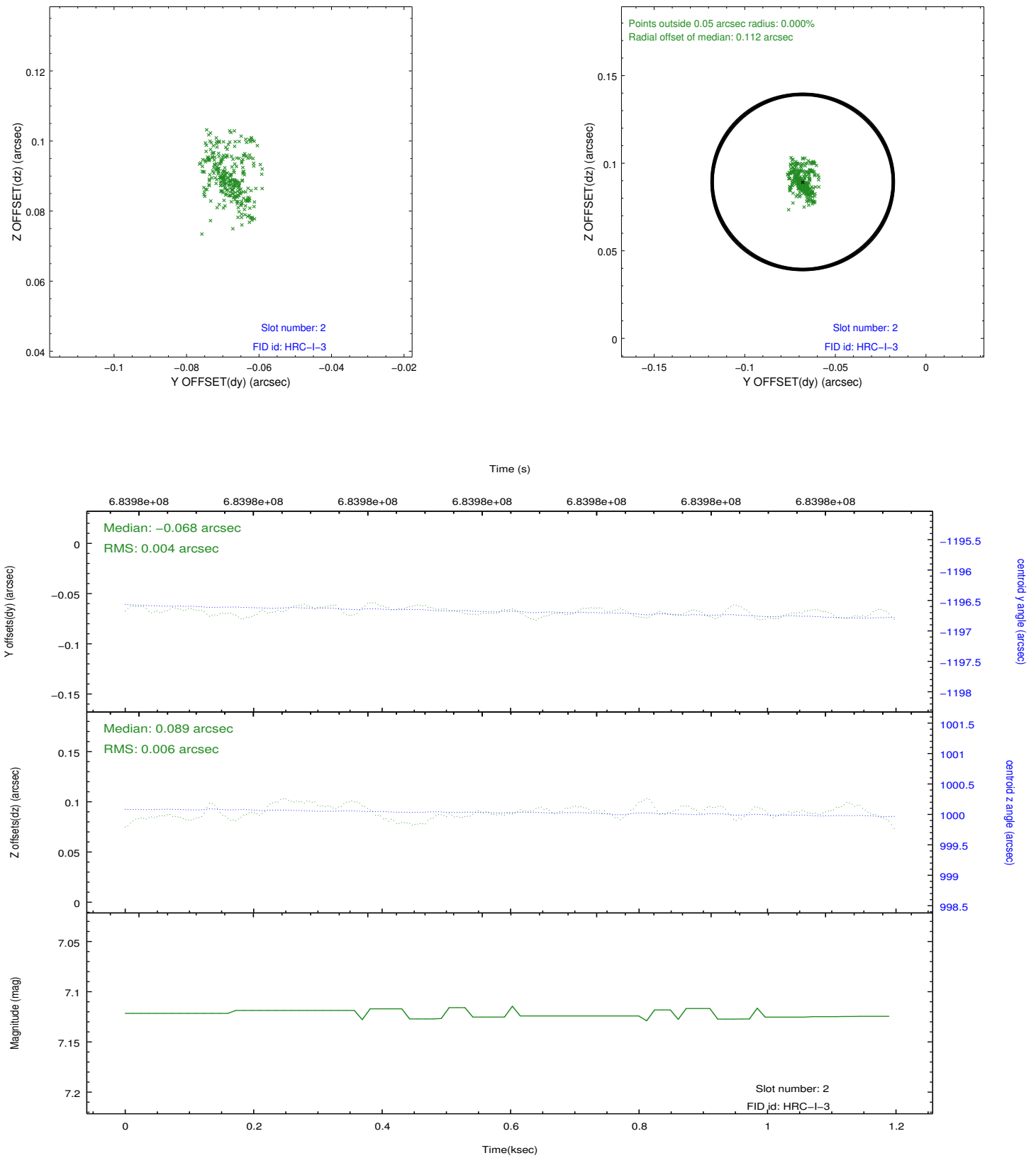
2.5.1 Slot 0



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)	2019.09.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1964313220978

A.2 Comments