

V&V Reference Report

L2 ASCDS Version : 10.8

Observation 21758 - L2 Version 1
Chandra X-Ray Center

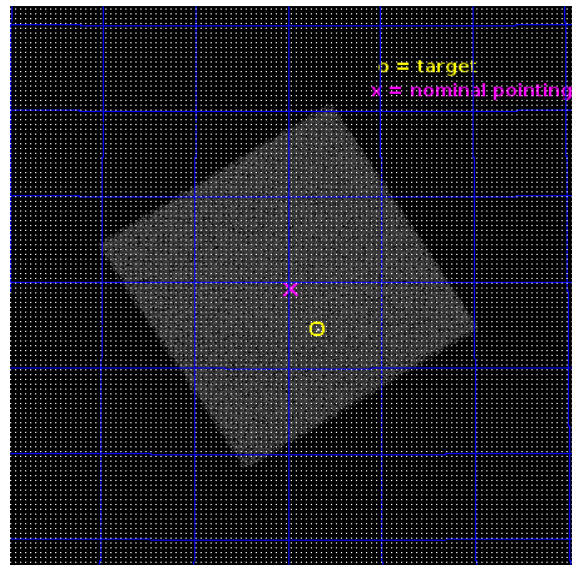
L2 Processing Date : Sep 4 2019

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1 Front

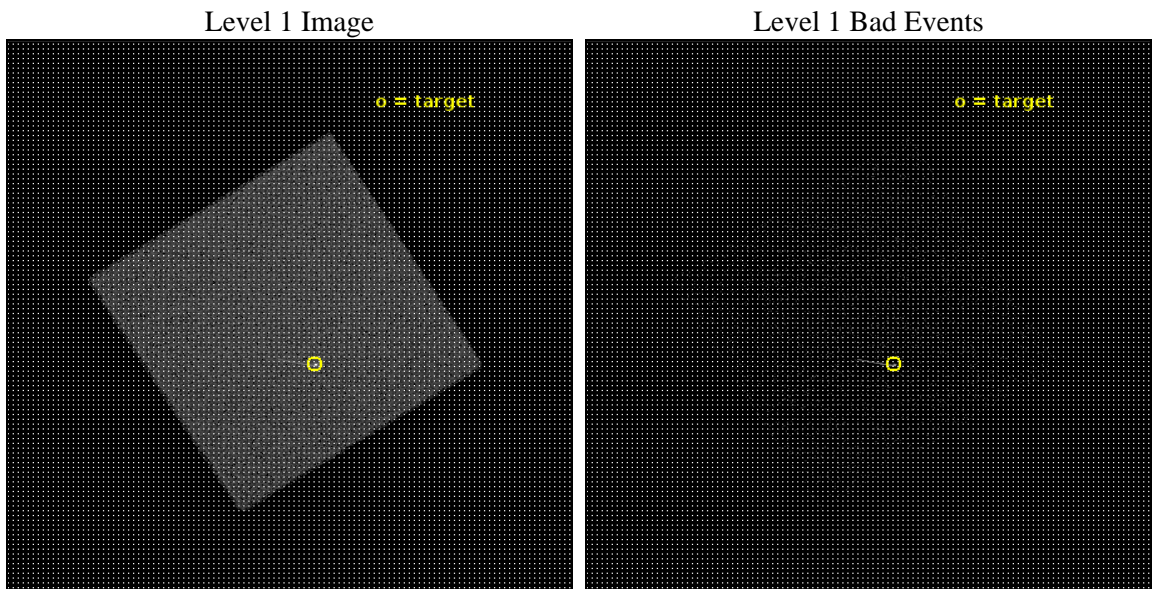
seq_num	291444	Sequence number
obs_id	21758	Observation id
title	AO-20 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.169666	Observer's specified target RA [deg]
dec_targ	45.742509	Observer's specified target Dec [deg]
ra_nom	332.24003897005	Nominal RA [deg]
dec_nom	45.8215137334	Nominal Dec [deg]
roll_nom	192.75925109808	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1188.2313216925	[s]
livetime	1171.1682276956	Ontime multiplied by DTCOR
l2events	149804	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	1188.2313216925	[s]
caldsver	4.8.4	 	l1events	247498	Number of level 1 events
date	2019-09-04T15:12:14	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

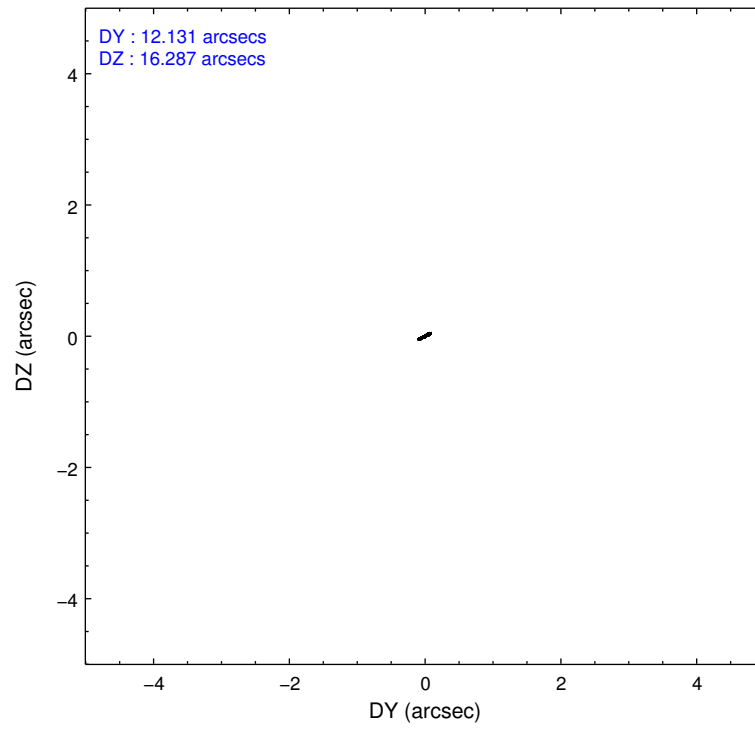
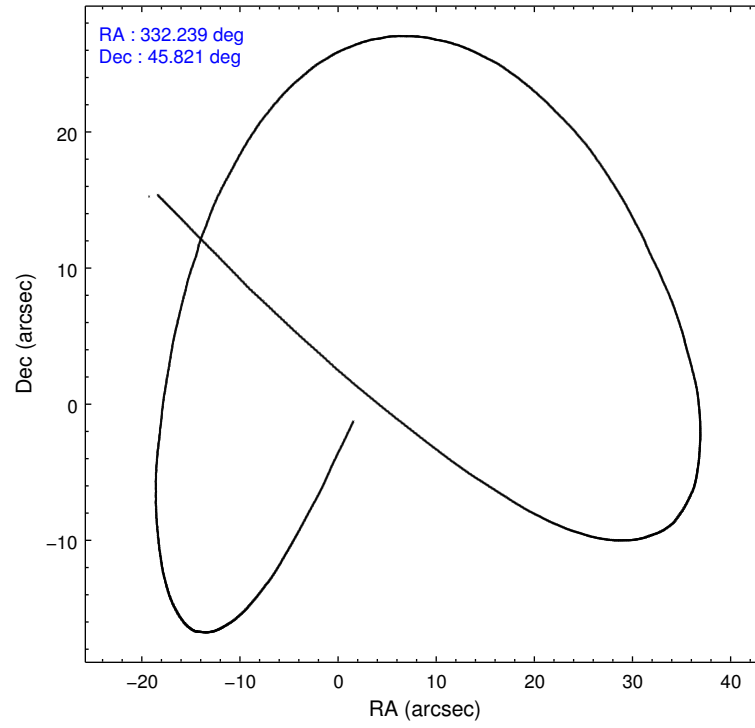
	segment 0
level 1 events	247498
rejected events	52545
rejected %	21%

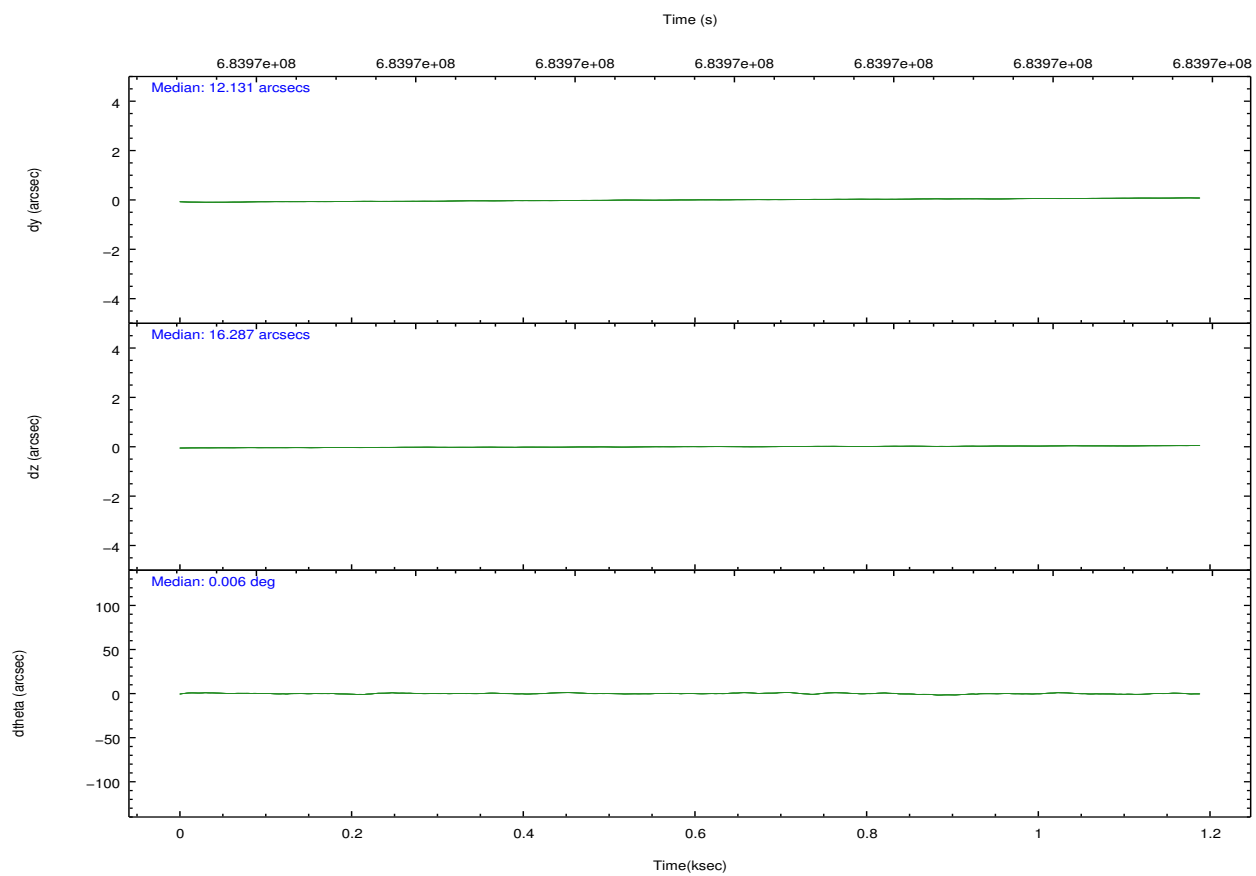
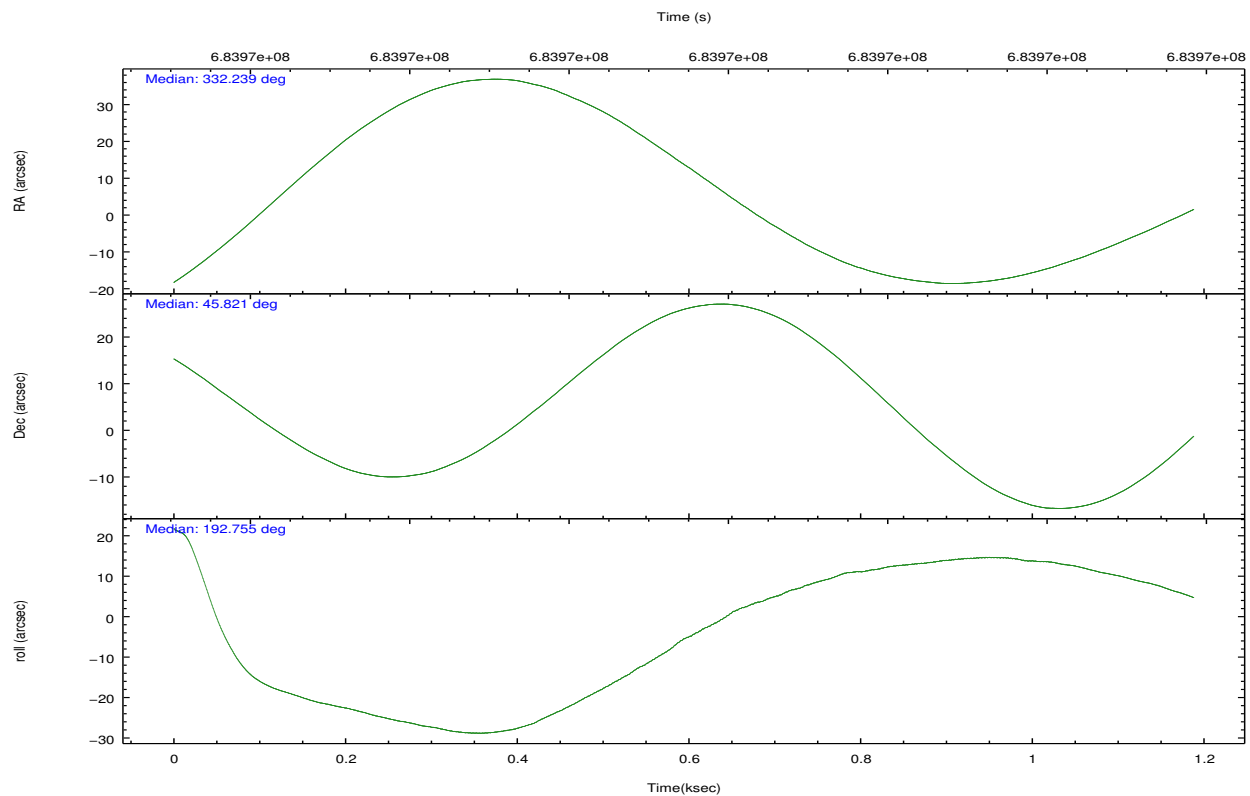
2.2 Compared Parameters

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	332.268212	332.2400389700514
[deg] Pointing Dec	45.841568	45.82151373340012
[deg] Pointing Roll	192.834519	192.7592510980812
[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)	683973743.184000	683973366.99994
Observation start date	2019-09-04T08:41:14	2019-09-04T08:36:06
[s] Observation end time (MET)	683974743.184000	683974877.33753
Observation end date	2019-09-04T08:57:54	2019-09-04T09:01:17

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

2.3 Aspect



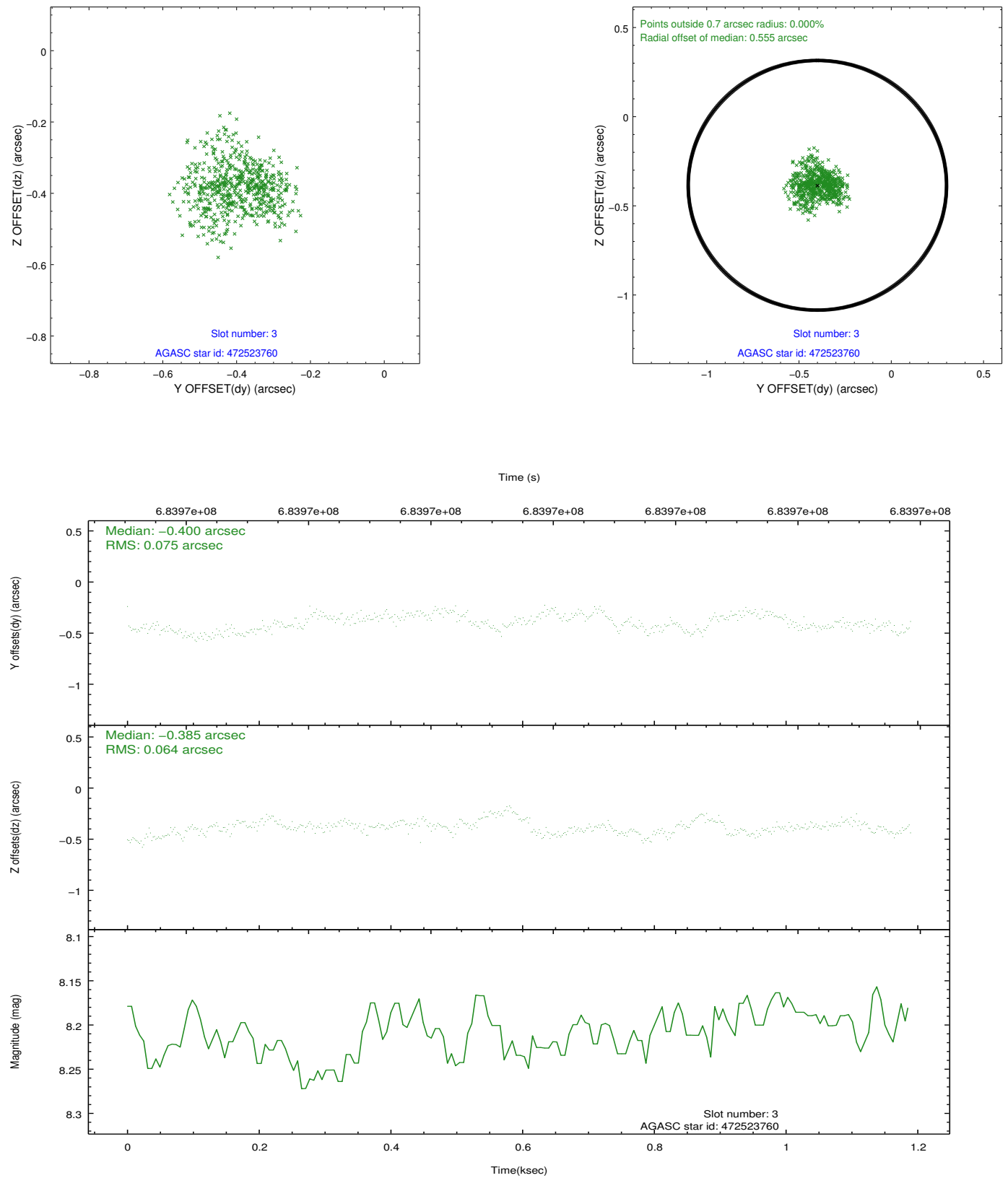


Slot Statistics

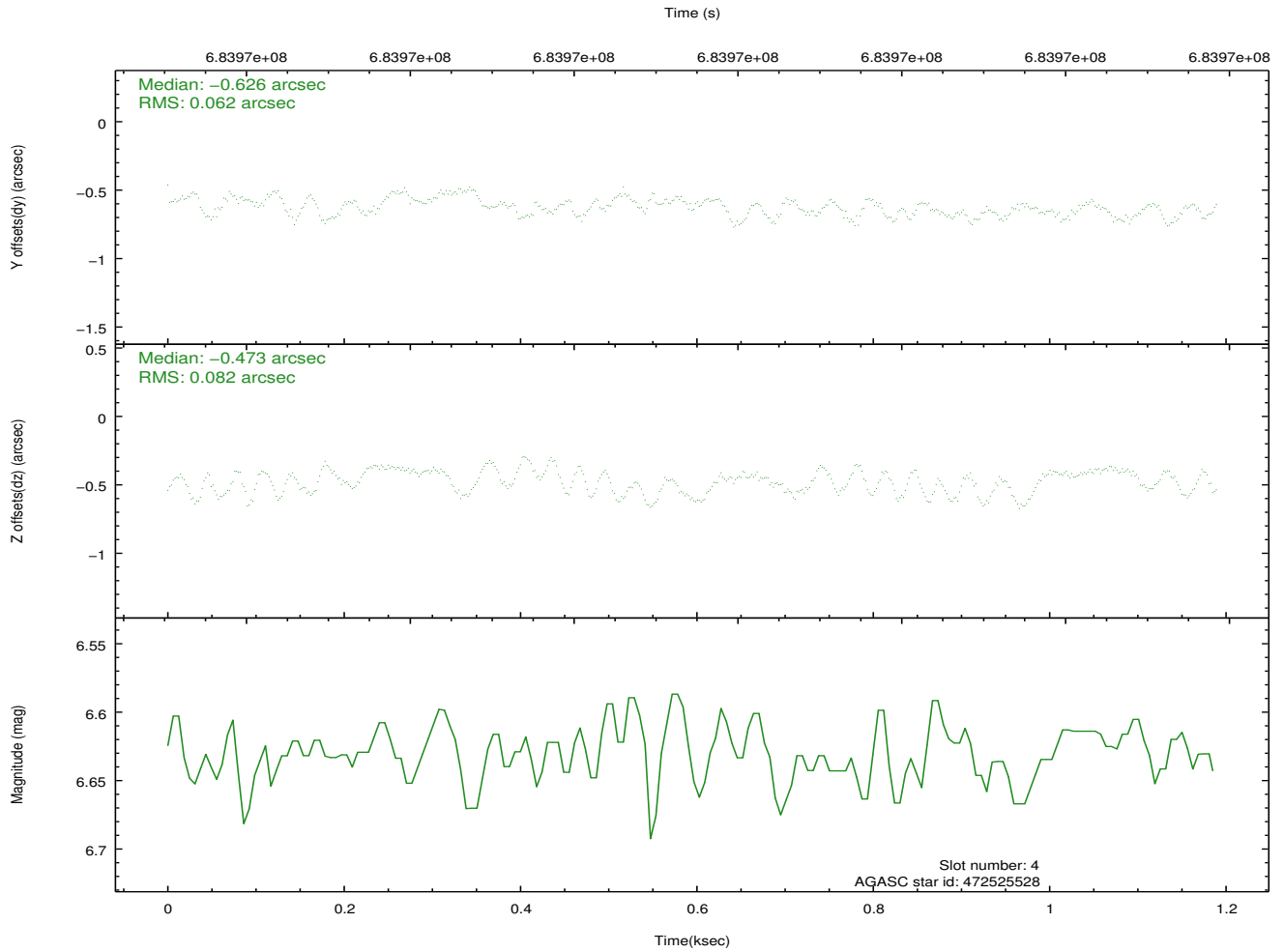
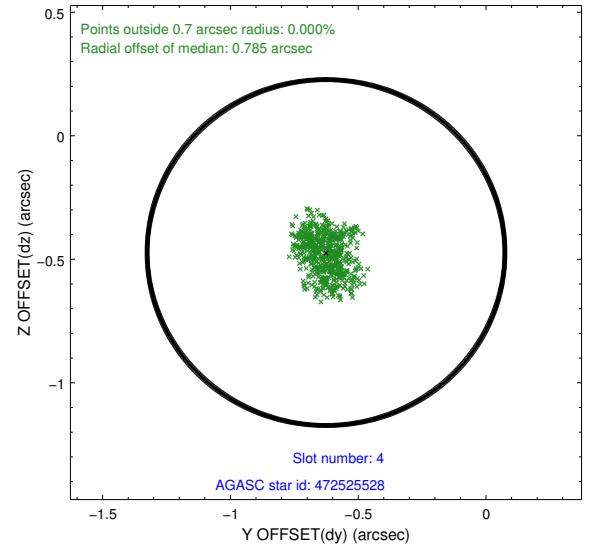
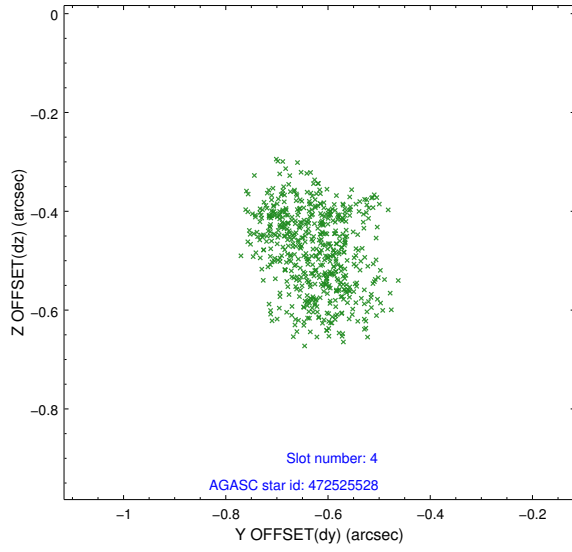
pt	status	used	id	mag	n_pts	frac_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mea
0	FID		HRC-I-1	7.07	290	1.000	-0.265	-0.028	0.008	0.014	0.000000	0.000000	-768.06	-1304
1	FID		HRC-I-2	7.07	290	1.000	0.447	-0.146	0.008	0.013	0.000000	0.000000	842.64	-1310
2	FID		HRC-I-3	7.12	290	1.000	-0.062	0.085	0.006	0.011	0.000000	0.000000	-1193.53	995
3	GUIDE	used	472523760	8.21	581	1.000	-0.400	-0.385	0.107	0.162	331.645363	45.403260	1883.37	1179
4	GUIDE	used	472525528	6.63	581	1.000	-0.626	-0.473	0.113	0.170	331.551102	45.248694	2246.00	1667
5	GUIDE	used	472535576	7.84	581	1.000	0.086	0.114	0.132	0.225	331.438373	46.291802	1653.91	-2049
6	GUIDE	used	472663088	8.93	578	1.000	0.419	0.536	0.161	0.243	332.931735	46.600119	-2205.39	-2311
7	GUIDE	used	472665256	8.97	580	1.000	0.520	0.225	0.131	0.207	332.808125	46.195041	-1599.19	-953

2.4 Star Slots

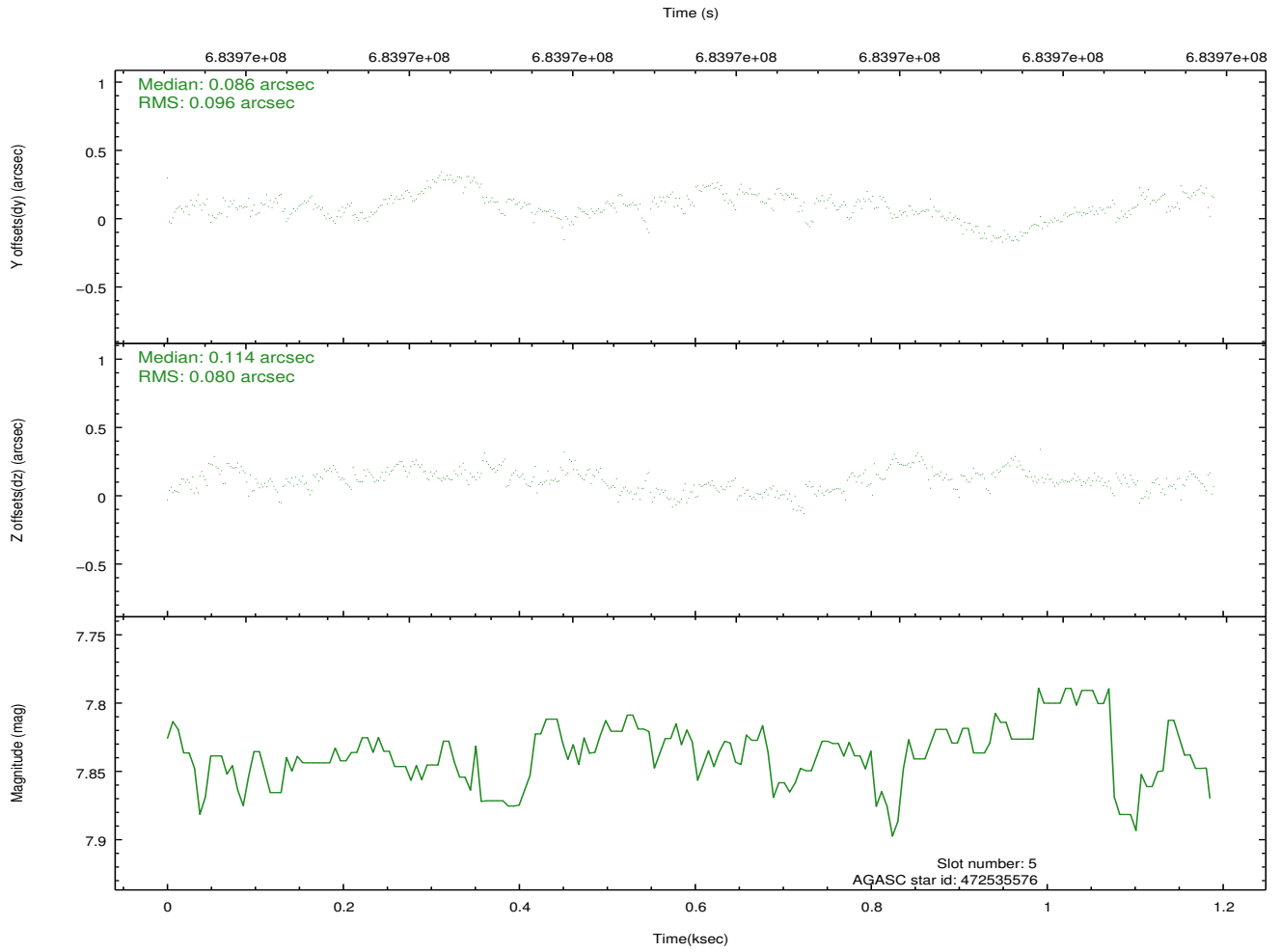
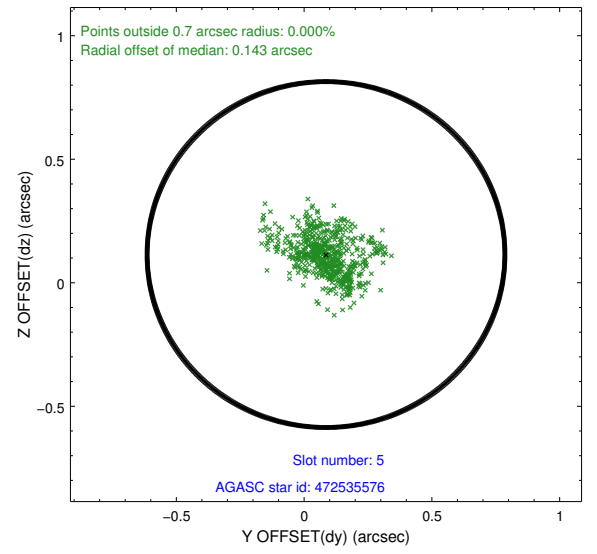
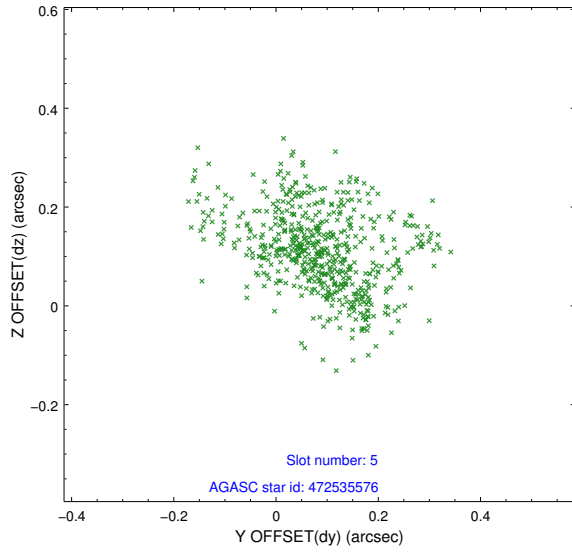
2.4.1 Slot 3



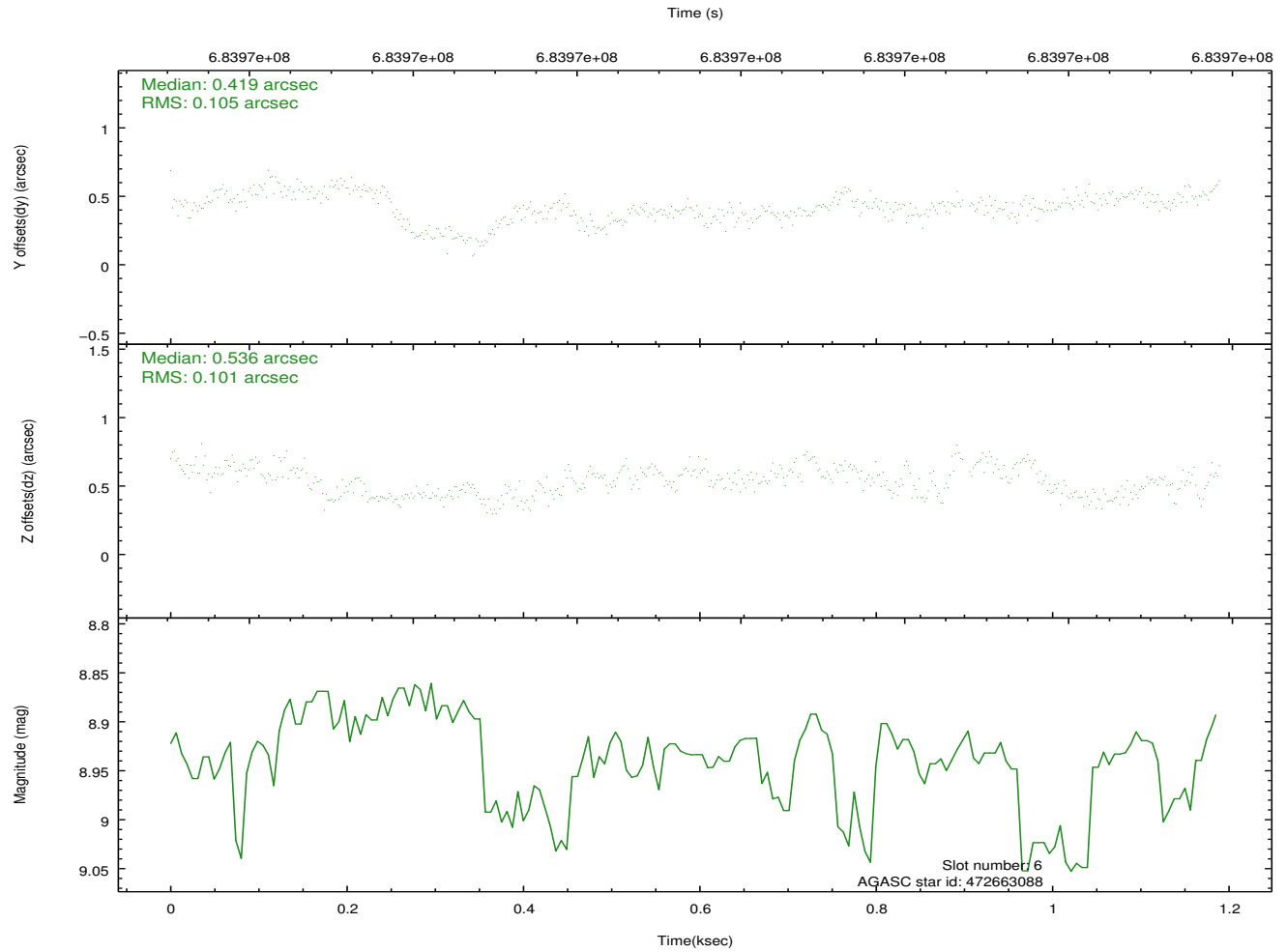
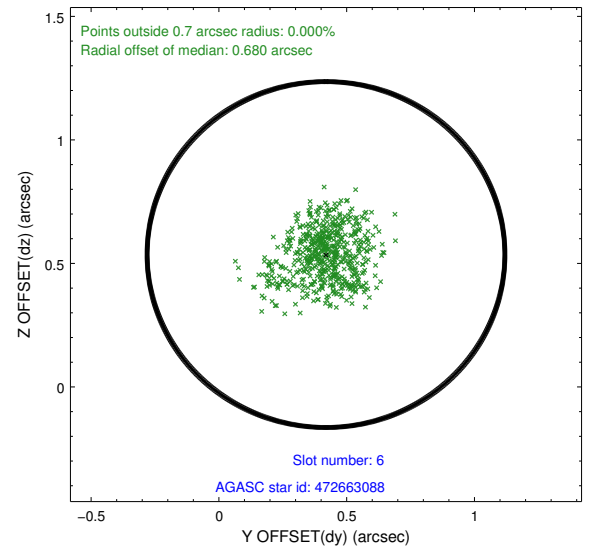
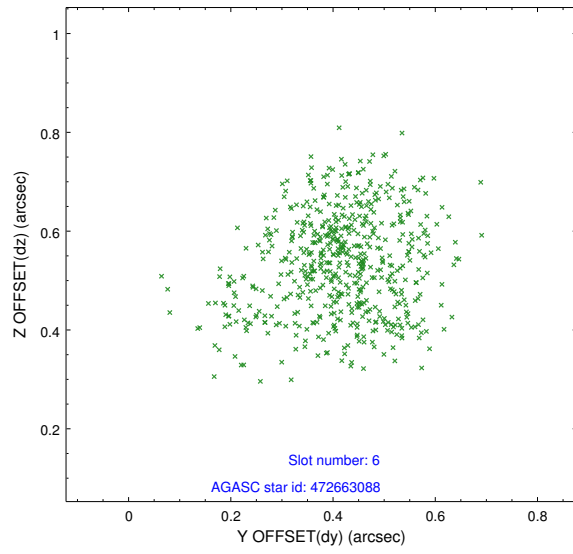
2.4.2 Slot 4



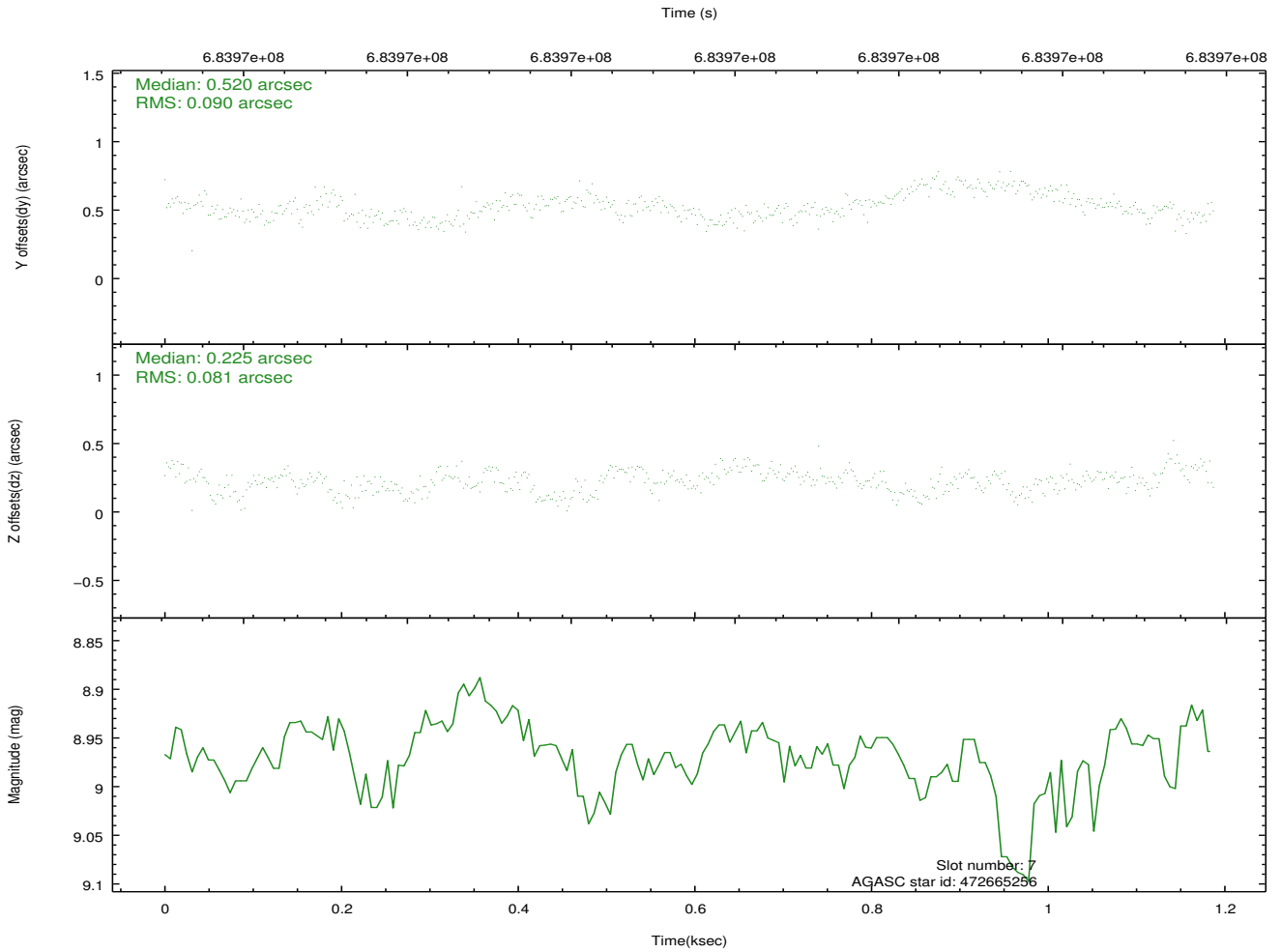
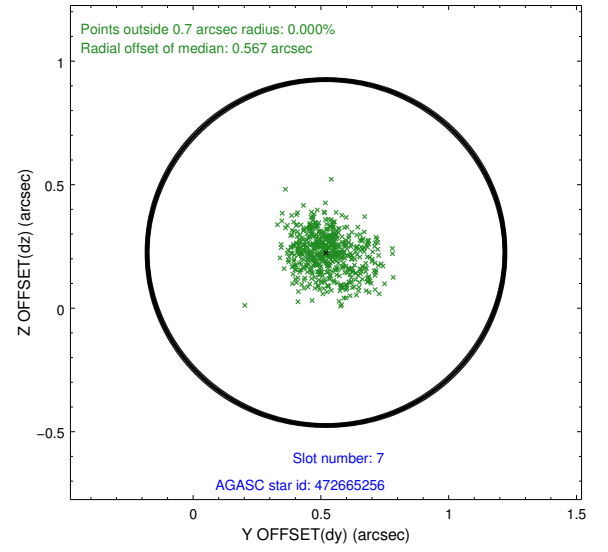
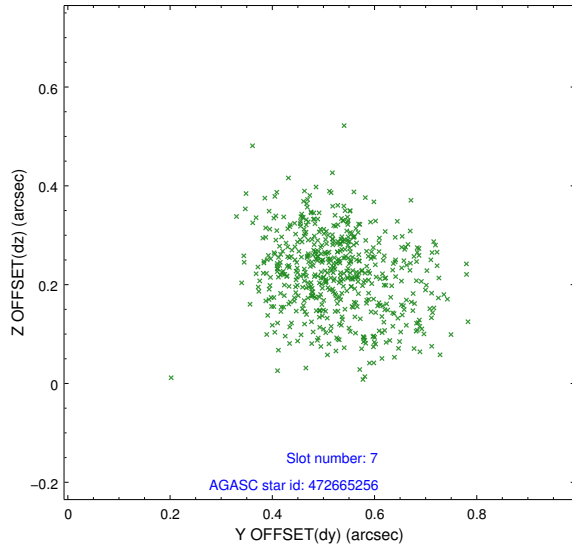
2.4.3 Slot 5



2.4.4 Slot 6

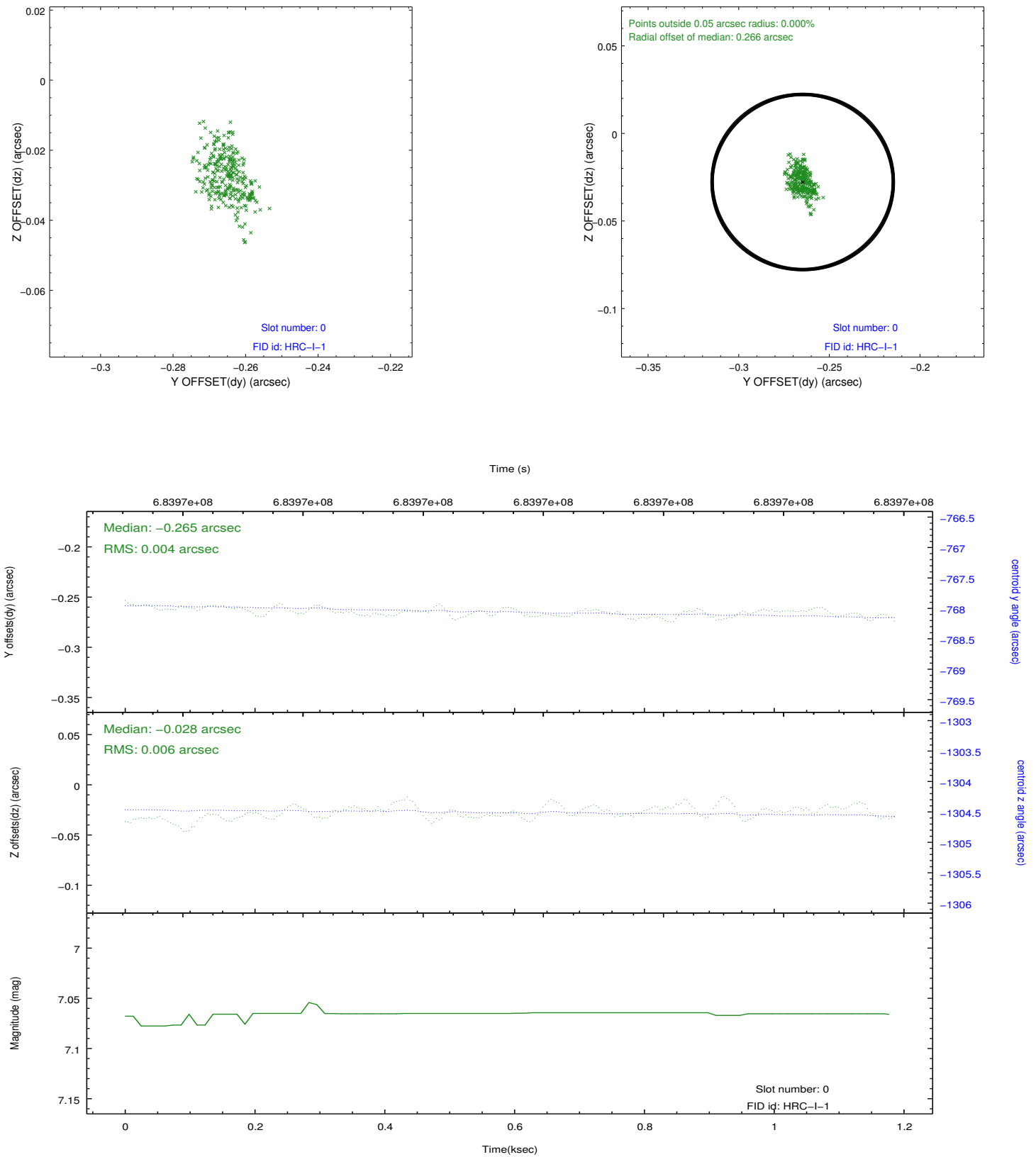


2.4.5 Slot 7

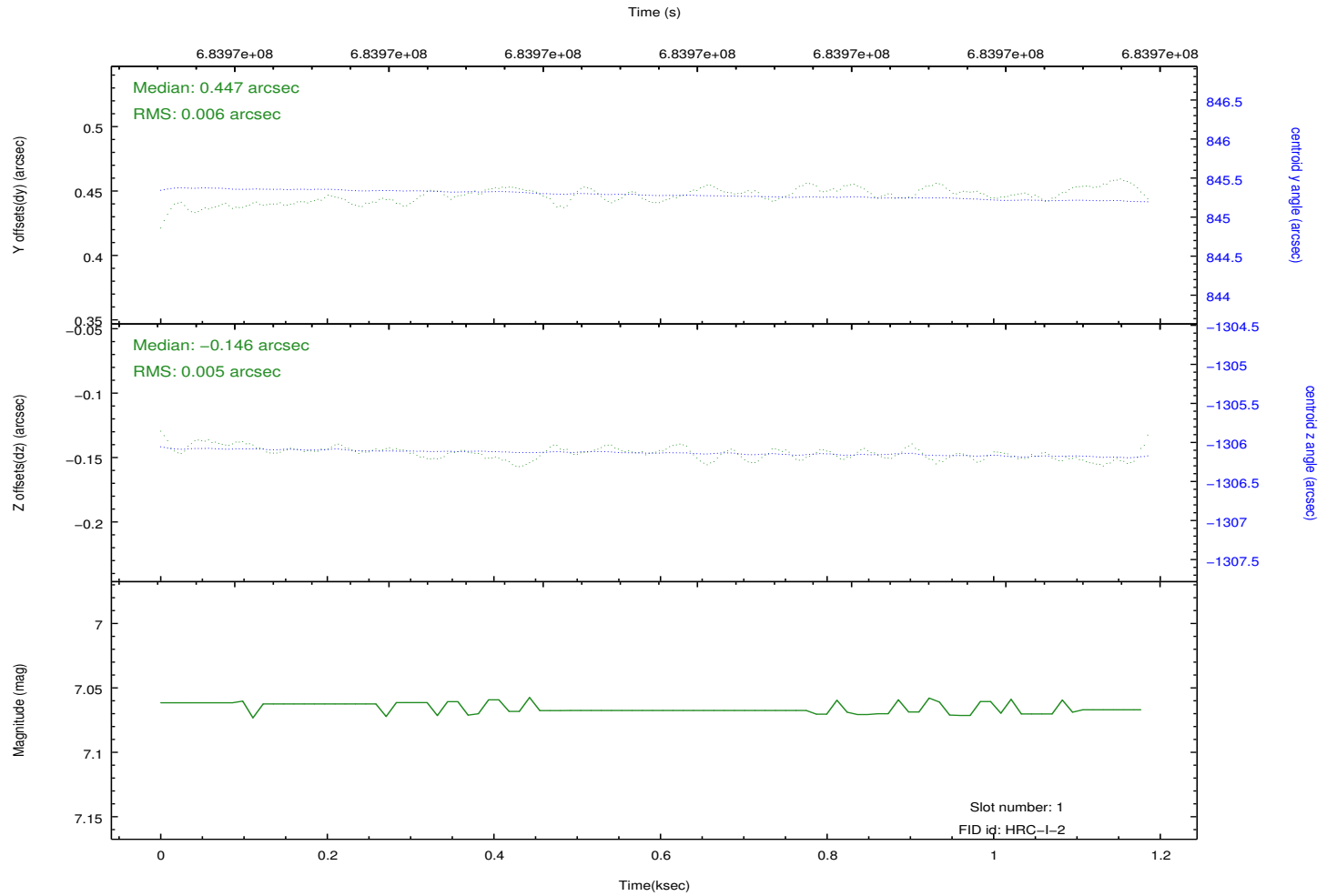
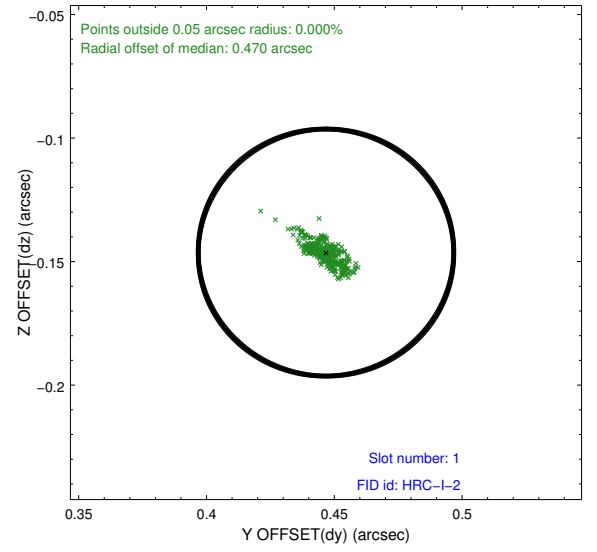
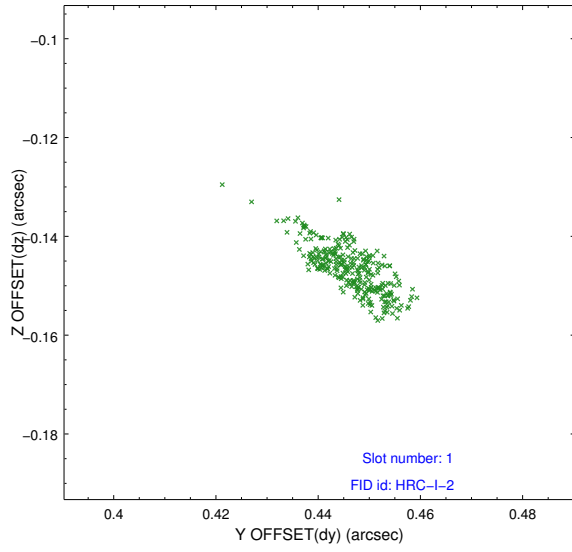


2.5 FID Slots

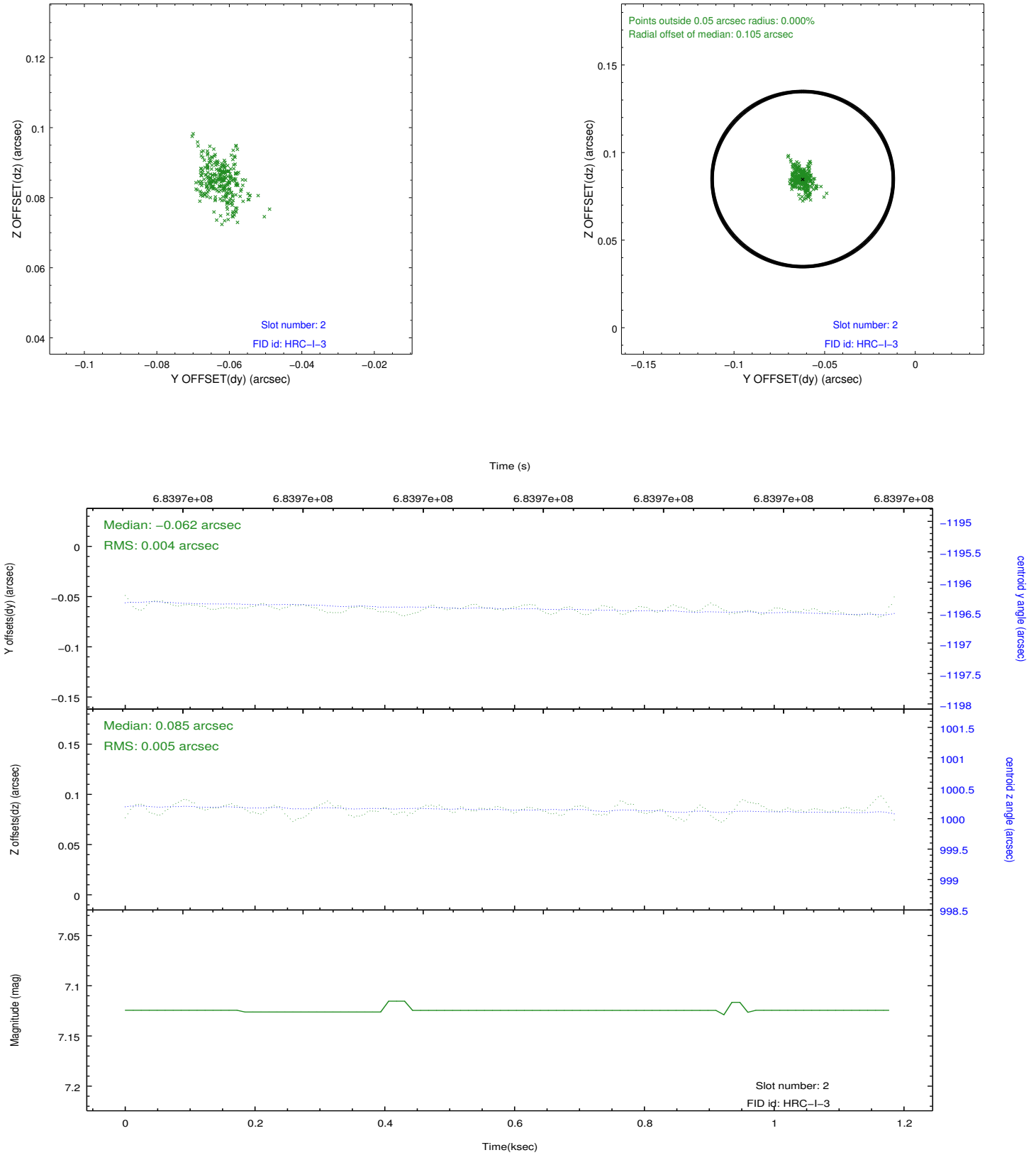
2.5.1 Slot 0



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	1.1882313216925

A.2 Comments