

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19829 - L2 Version 1
Chandra X-Ray Center

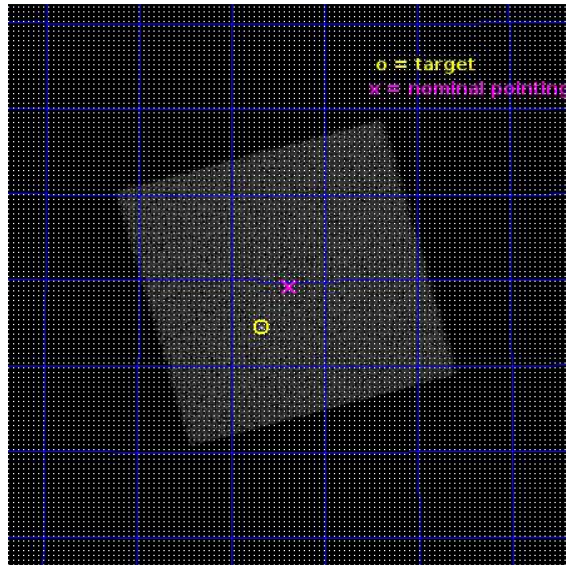
L2 Processing Date : Sep 17 2017

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1 Front

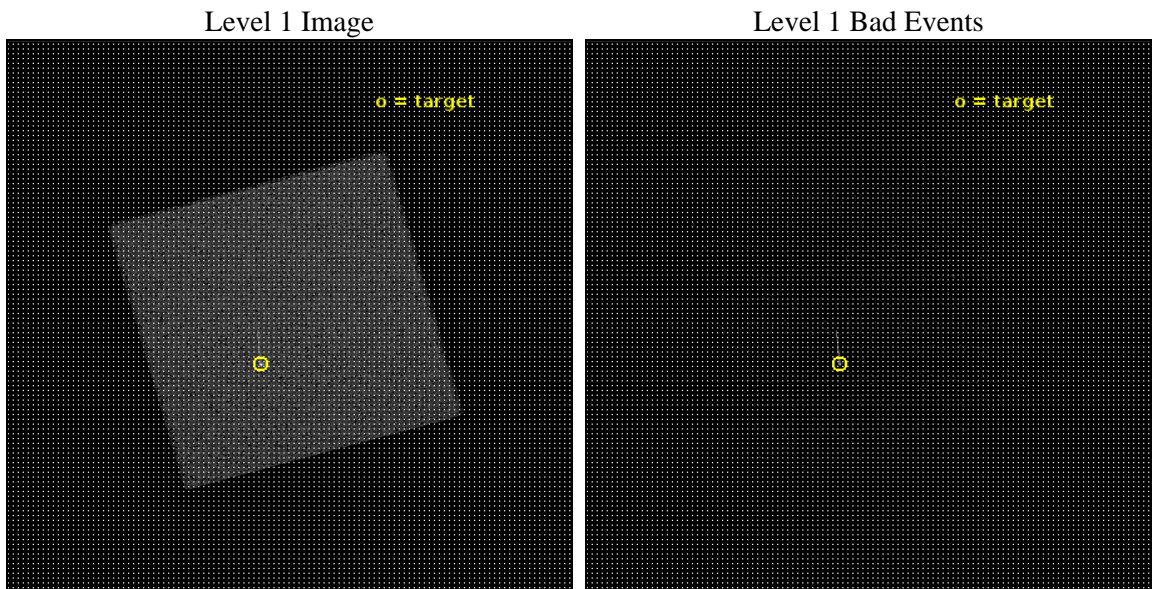
seq_num	291346	Sequence number
obs_id	19829	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.09404058471	Nominal RA [deg]
dec_nom	45.821701744896	Nominal Dec [deg]
roll_nom	209.26033424232	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1180.0313191414	[s]
livetime	1164.9001170122	Ontime multiplied by DTCOR
l2events	133742	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	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.6	Processing system revision	ontime	1180.0313191414	[s]
caldbver	4.7.6	 	l1events	224069	Number of level 1 events
date	2017-09-17T16:07:25	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

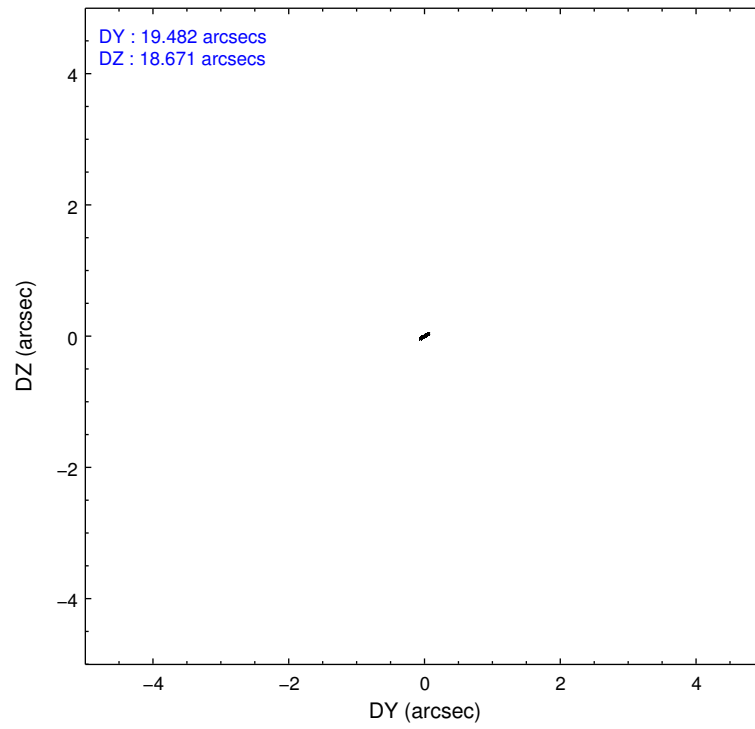
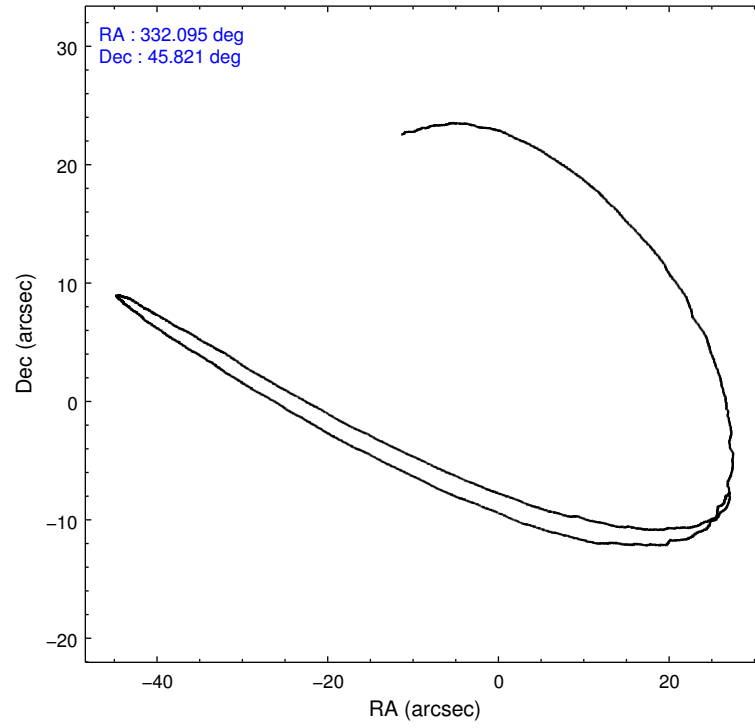
	segment 0
level 1 events	224069
rejected events	50211
rejected %	22%

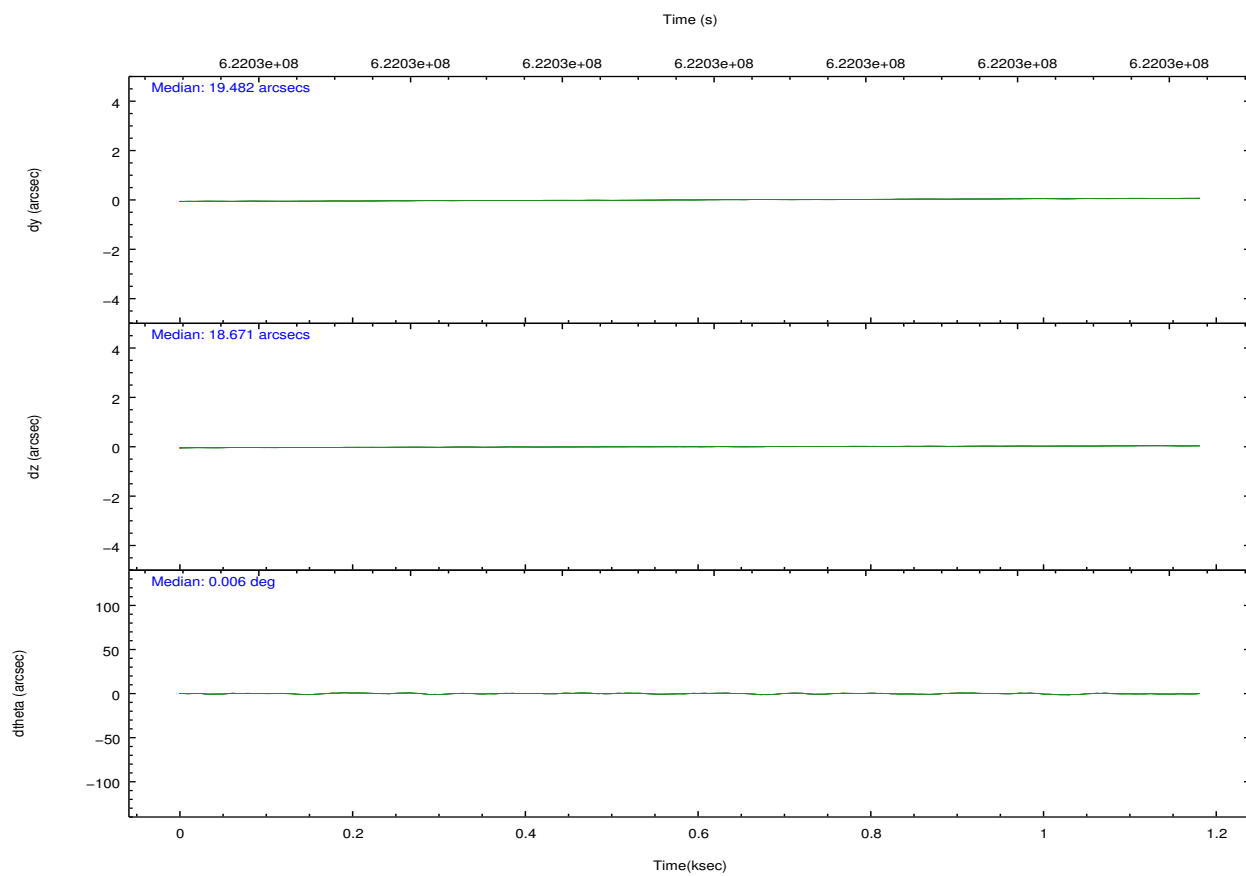
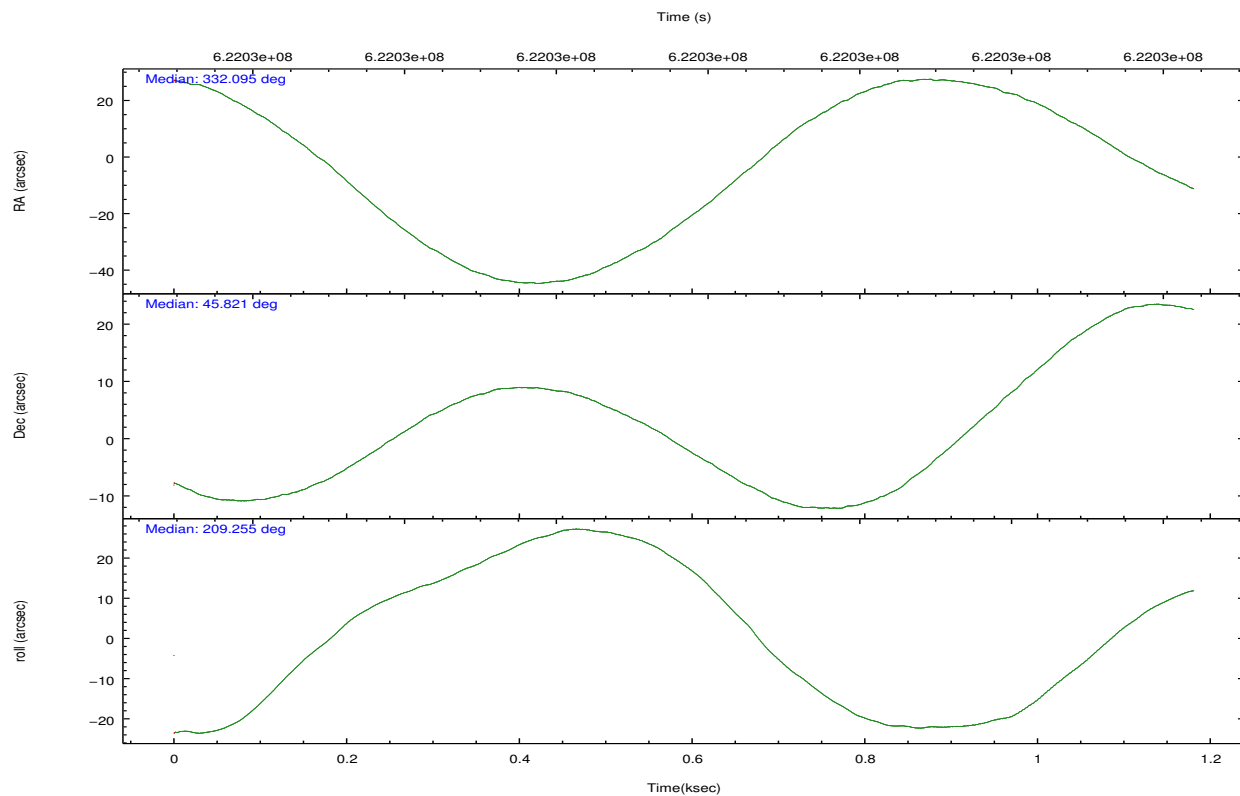
2.2 Compared Parameters

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	332.112853	332.0940405847101
[deg] Pointing Dec	45.845540	45.82170174489551
[deg] Pointing Roll	209.342401	209.2603342423175
[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)	622026758.184000	622026382.26671
Observation start date	2017-09-17T09:11:29	2017-09-17T09:06:22
[s] Observation end time (MET)	622027758.184000	622027892.0918
Observation end date	2017-09-17T09:28:09	2017-09-17T09:31:32

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

2.3 Aspect



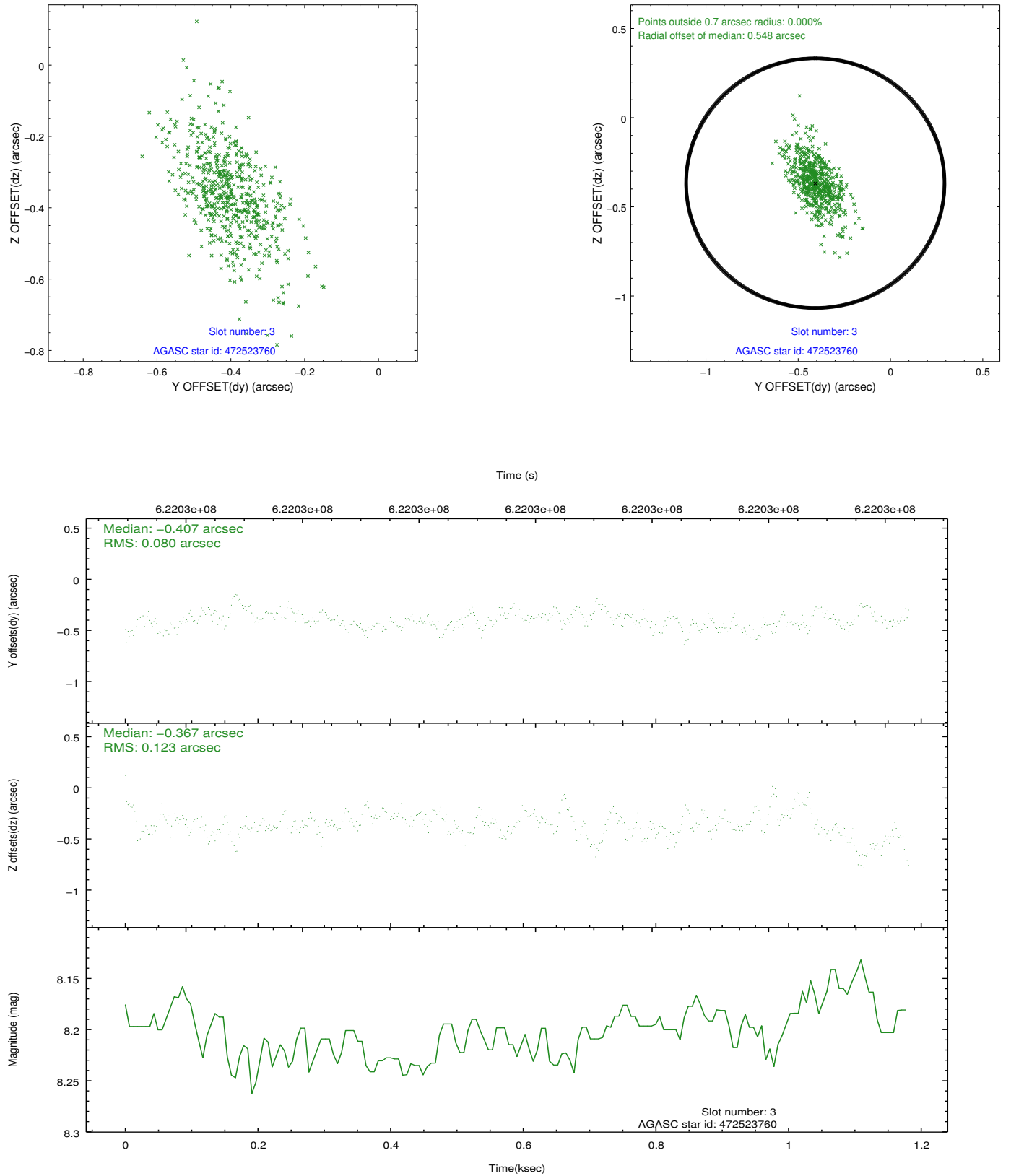


Slot Statistics

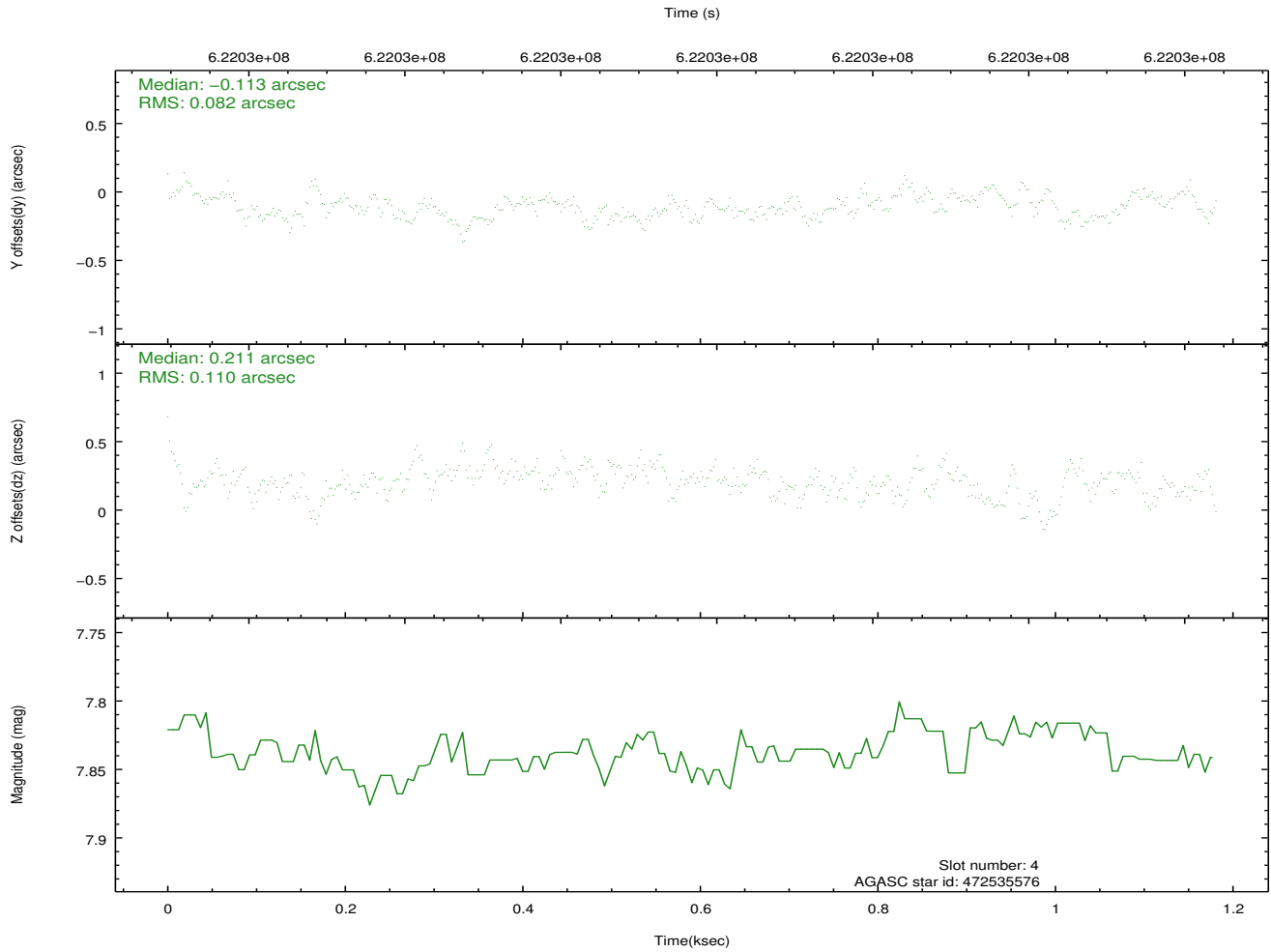
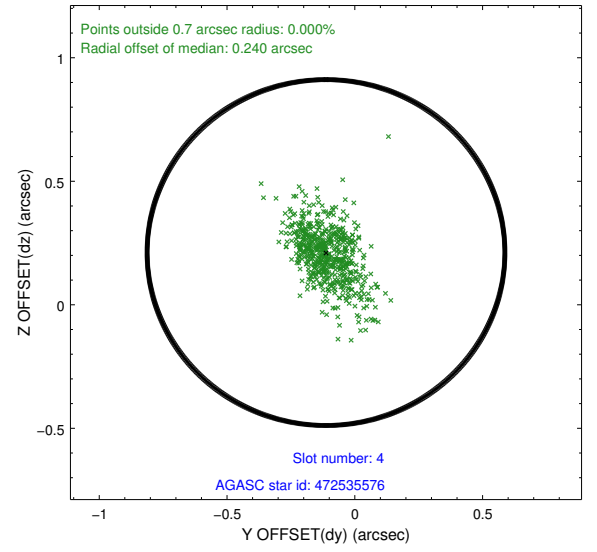
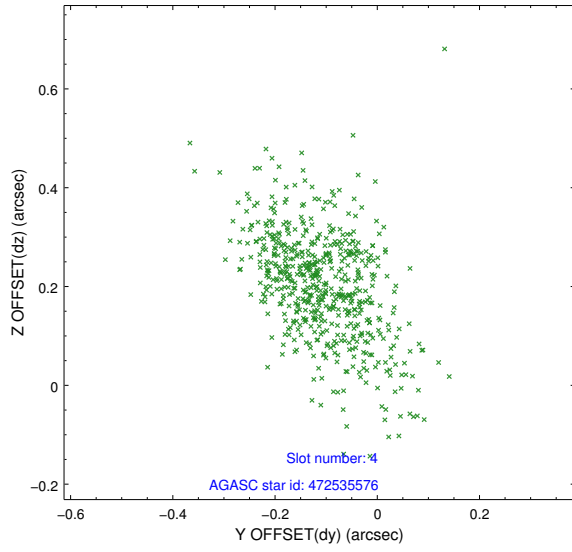
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.04	289	-0.206	-0.002	0.007	0.011	0.000000	0.000000	-775.54	-1306.90
1	FID		HRC-I-2	7.06	289	0.358	-0.120	0.005	0.009	0.000000	0.000000	834.97	-1313.03
2	FID		HRC-I-3	7.11	289	-0.033	0.032	0.005	0.010	0.000000	0.000000	-1201.08	993.13
3	GUIDE	used	472523760	8.20	576	-0.407	-0.367	0.141	0.296	331.645363	45.403260	1809.63	805.24
4	GUIDE	used	472535576	7.84	577	-0.113	0.211	0.134	0.261	331.438373	46.291802	676.40	-2227.59
5	GUIDE	used	472655152	9.38	576	-0.062	-0.251	0.172	0.303	332.504239	45.862991	-884.89	419.56
6	GUIDE	used	472665256	8.97	577	0.204	0.269	0.134	0.250	332.808125	46.195041	-2130.51	-254.01
7	GUIDE	used	472533912	9.11	575	0.376	0.108	0.199	0.455	331.791136	46.368695	-228.88	-2035.55

2.4 Star Slots

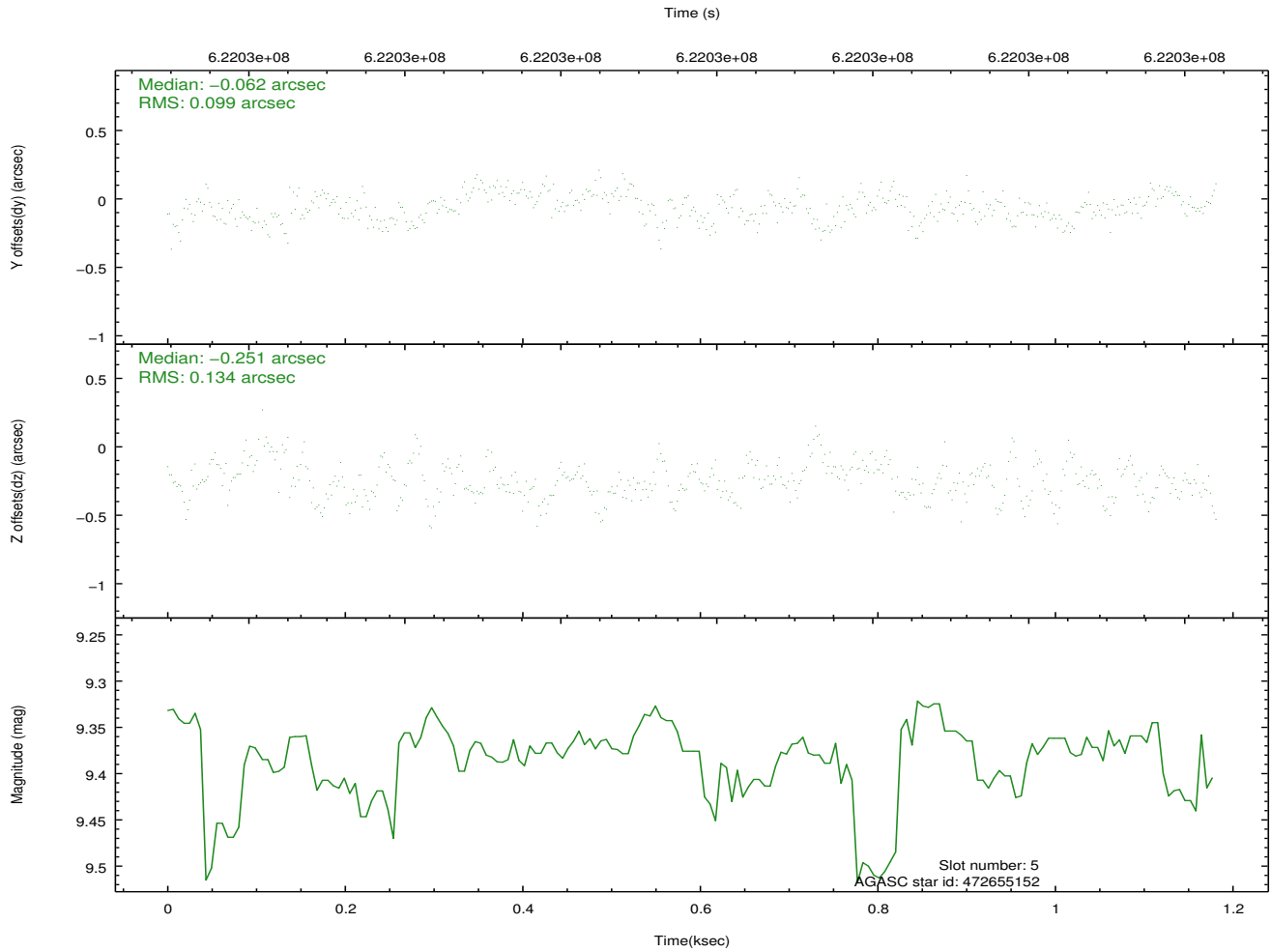
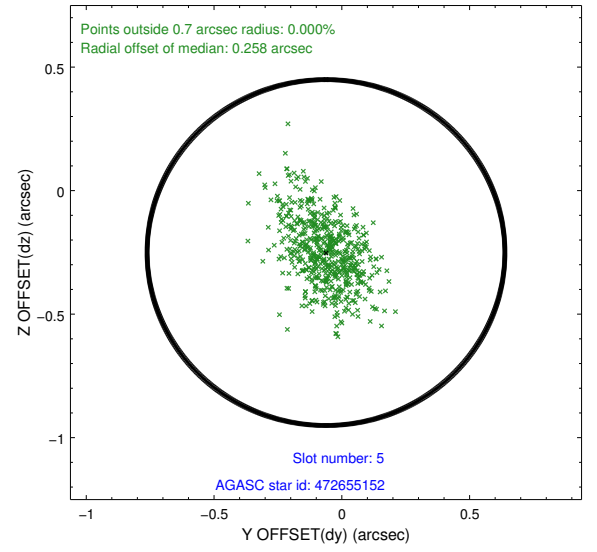
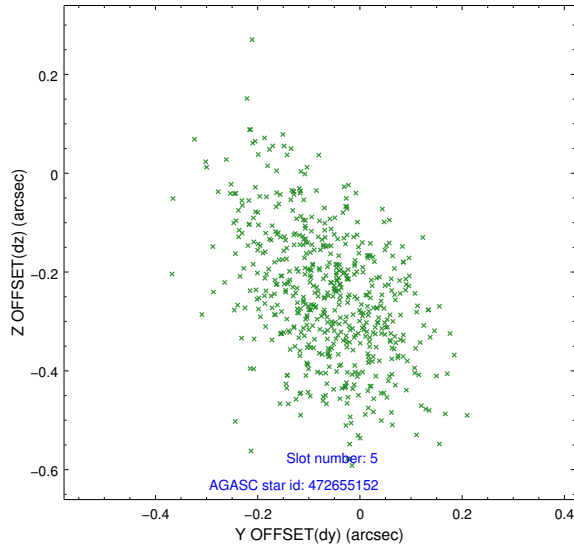
2.4.1 Slot 3



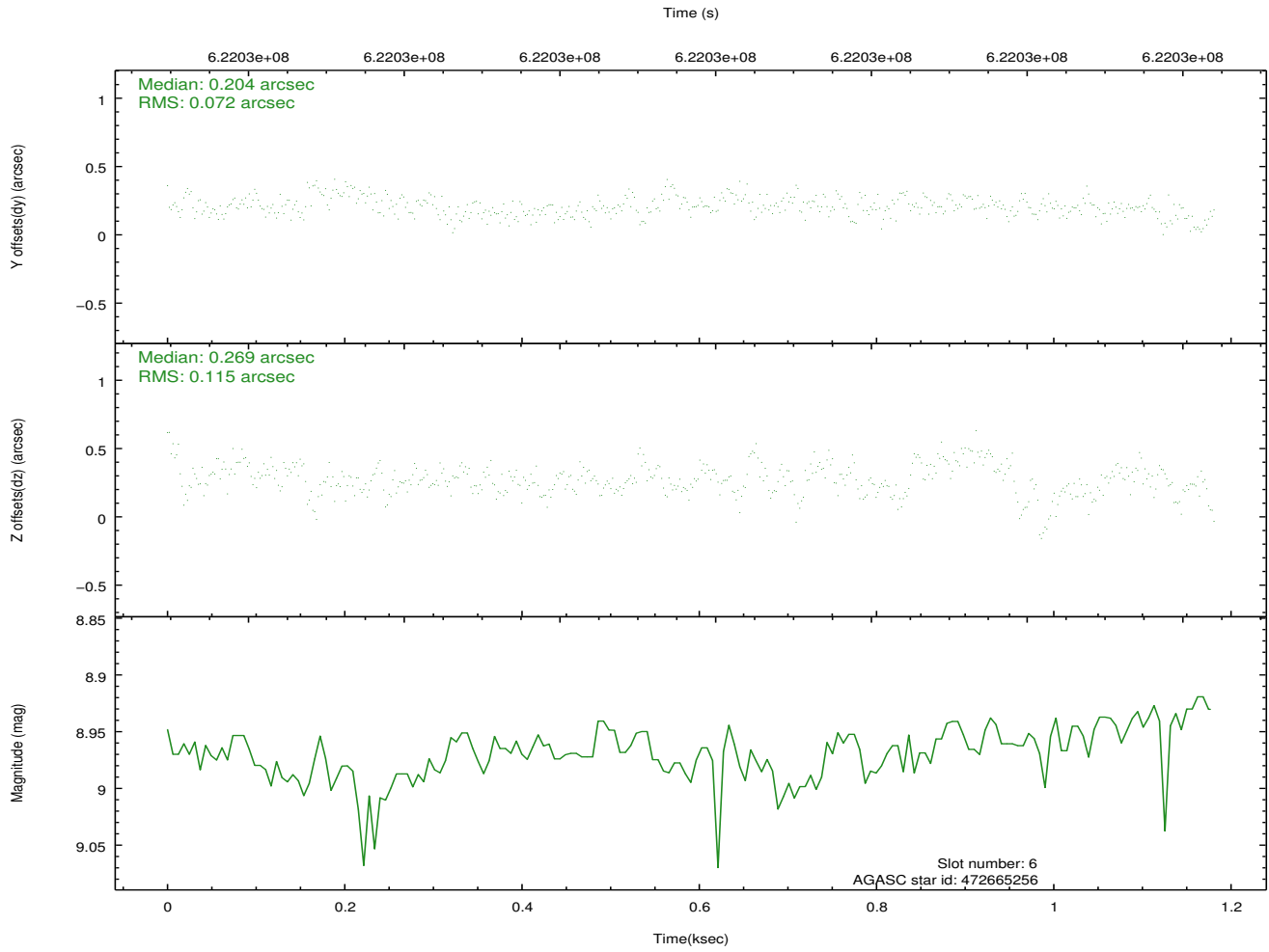
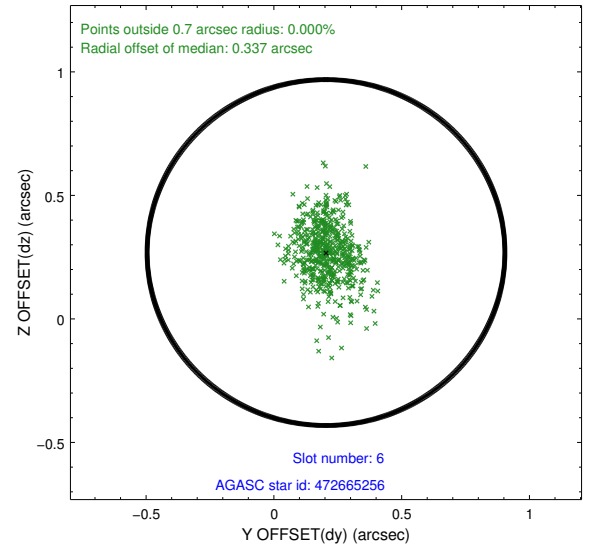
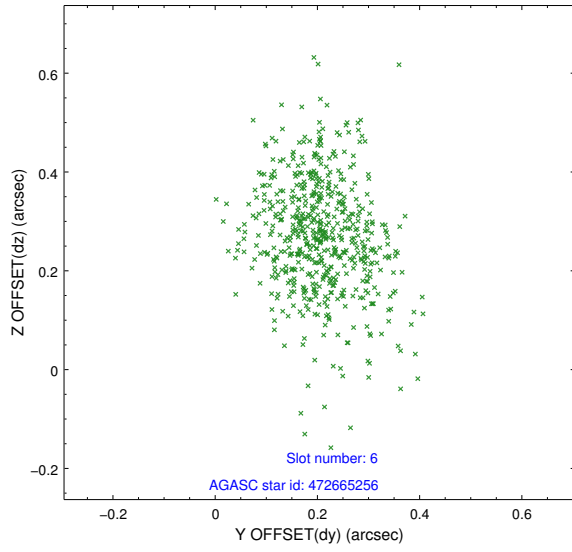
2.4.2 Slot 4



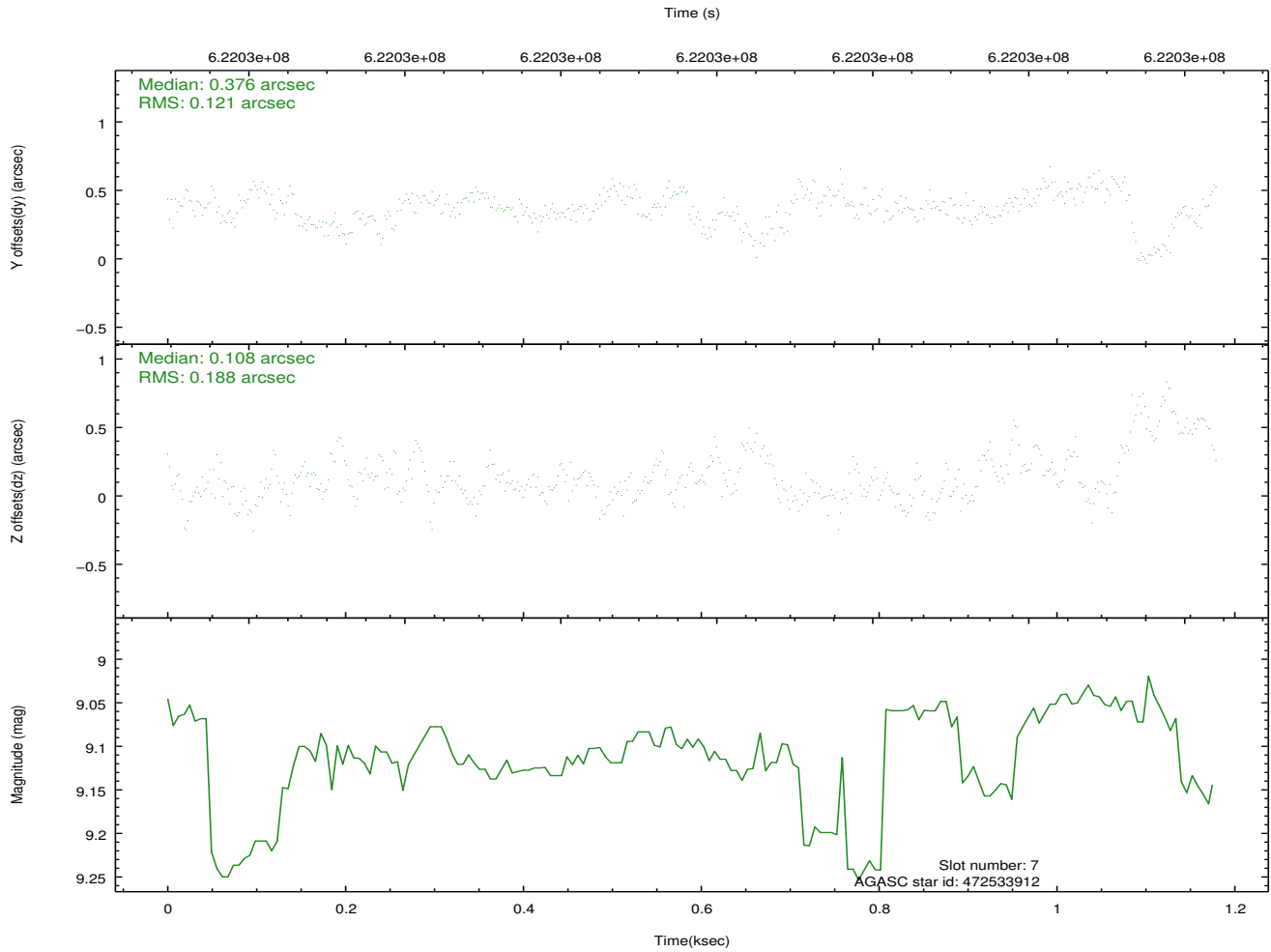
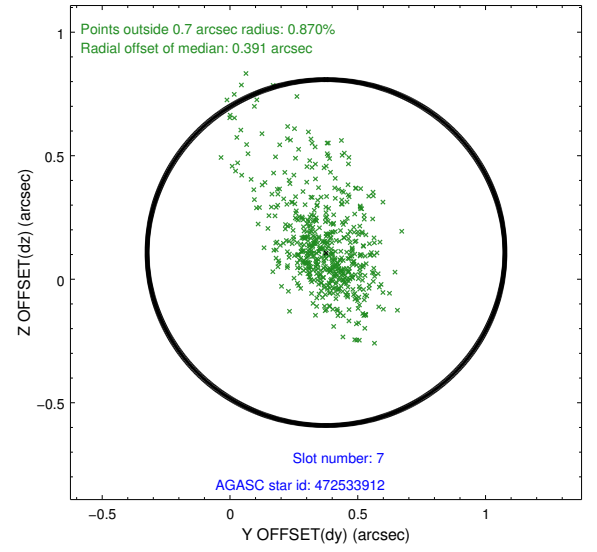
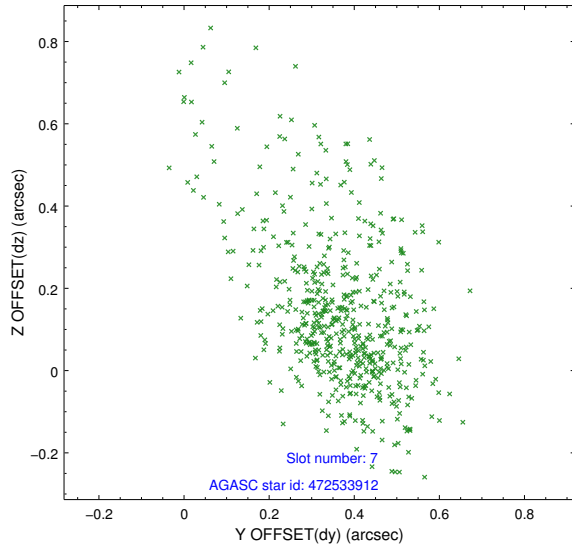
2.4.3 Slot 5



2.4.4 Slot 6

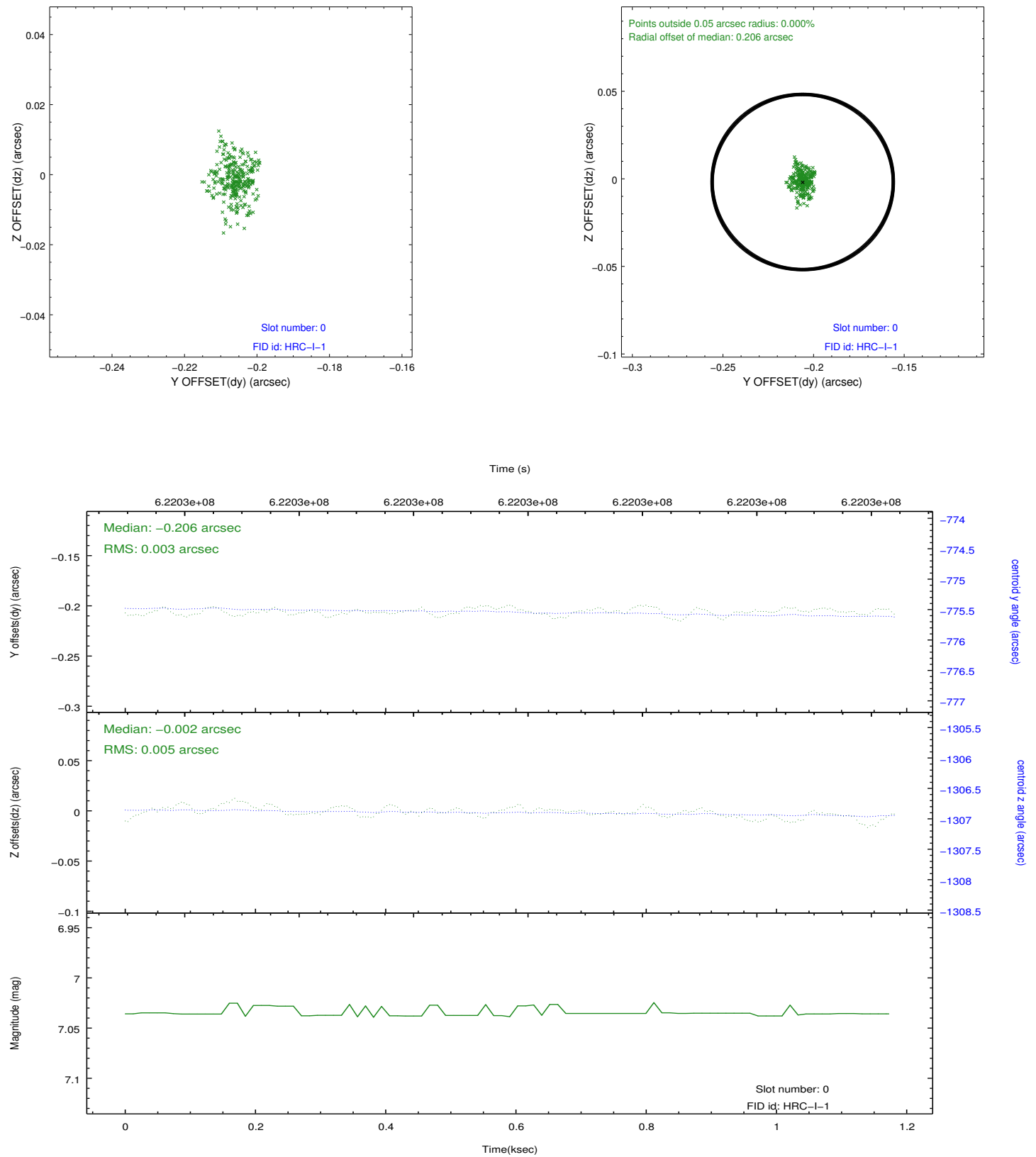


2.4.5 Slot 7

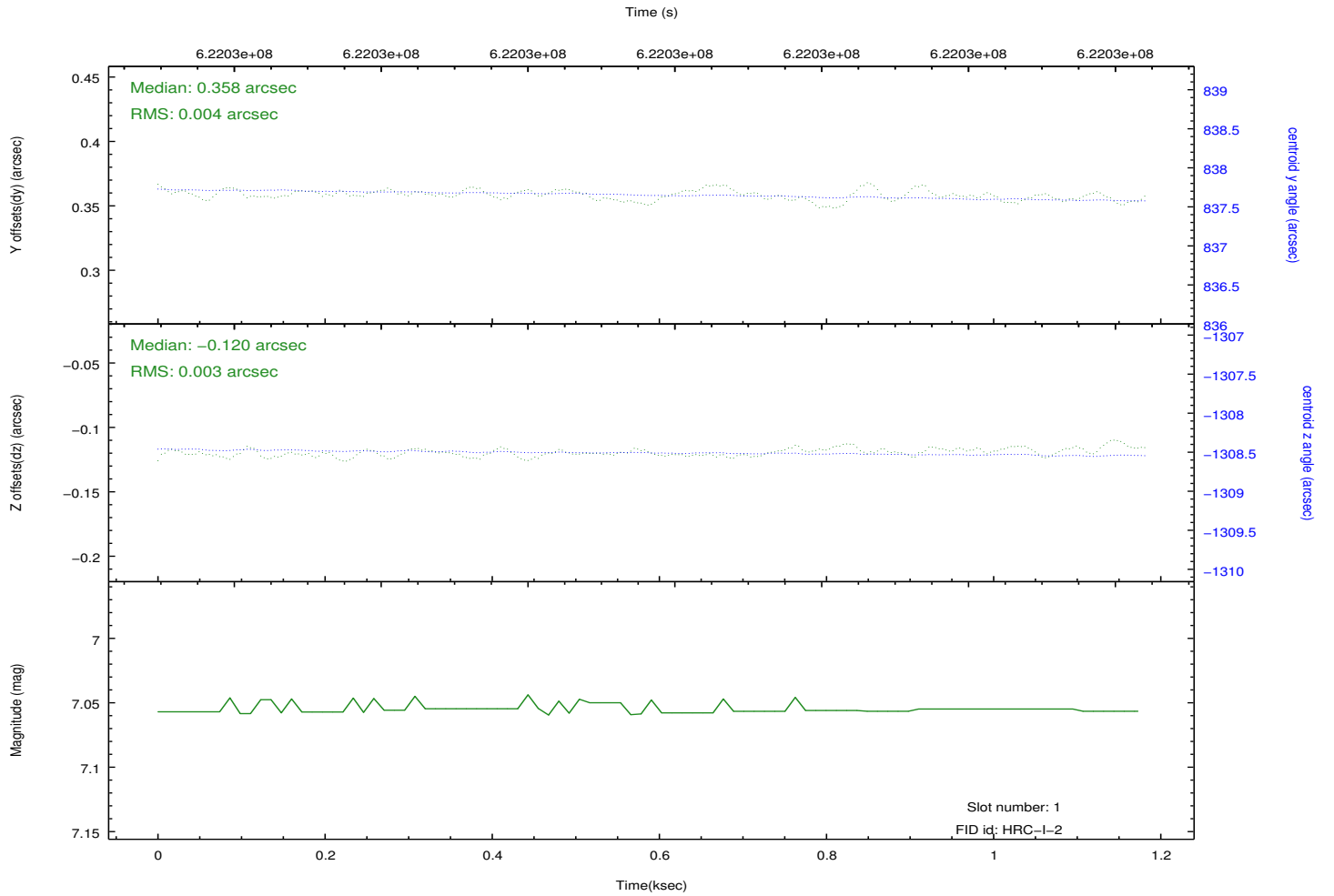
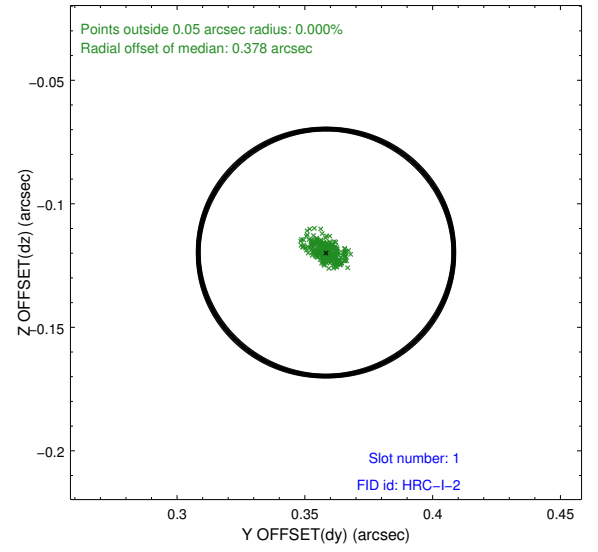
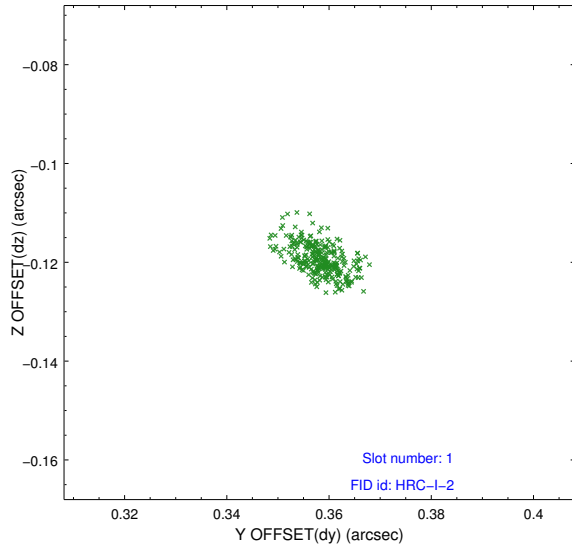


2.5 FID Slots

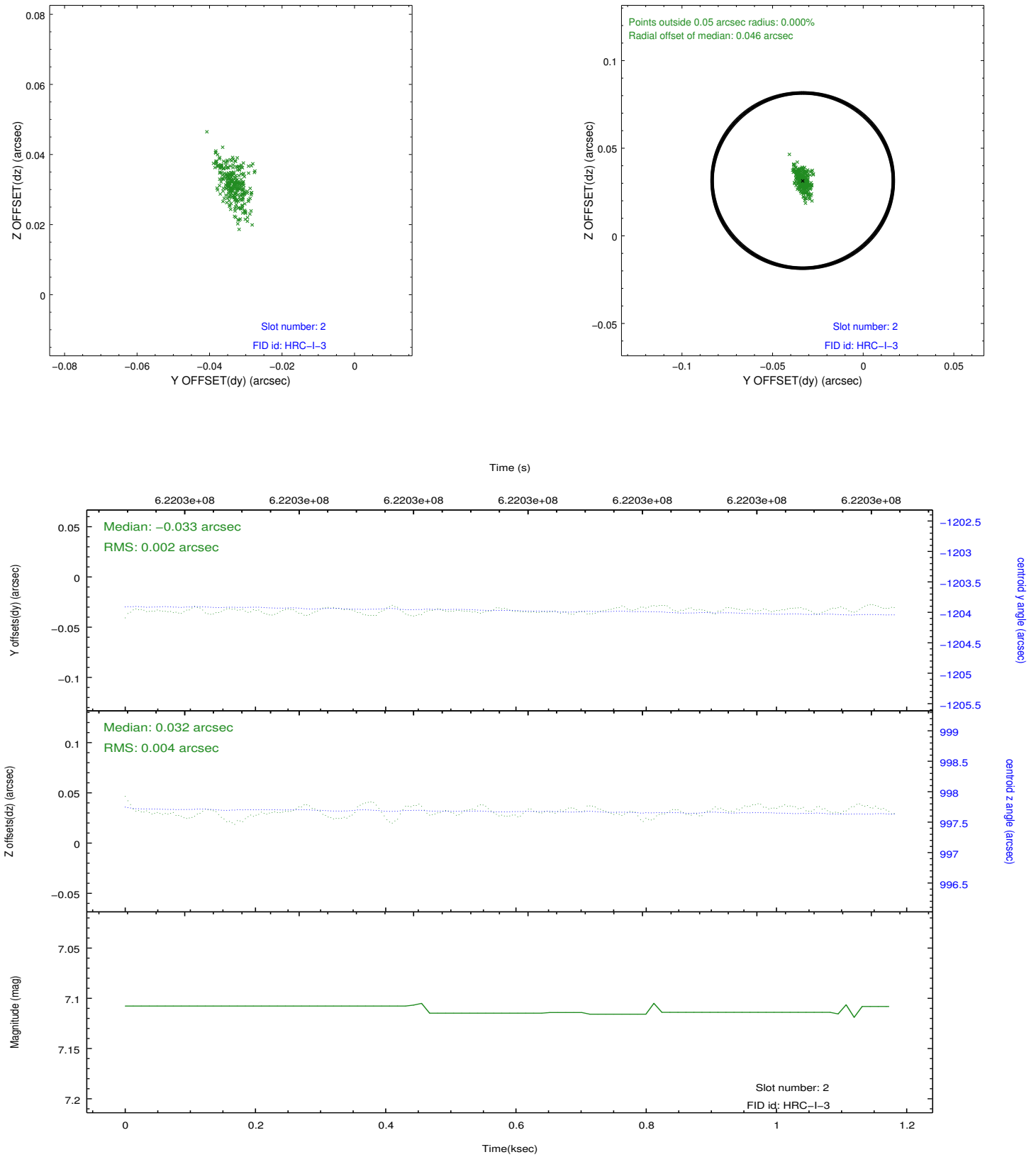
2.5.1 Slot 0



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)	2017.09.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1800313191414

A.2 Comments