

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19826 - L2 Version 1
Chandra X-Ray Center

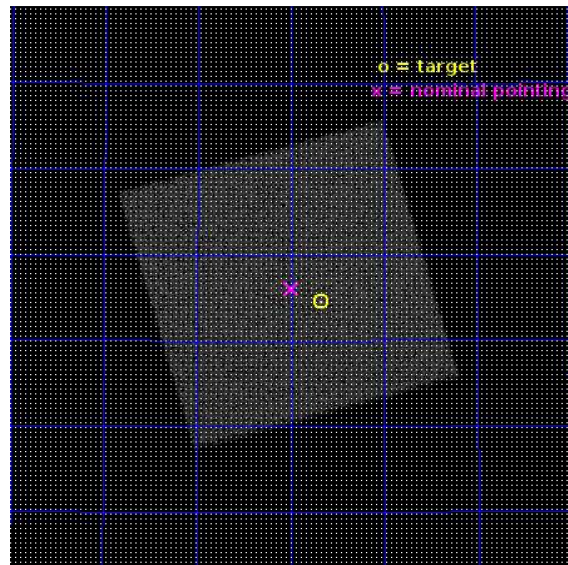
L2 Processing Date : Sep 17 2017

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

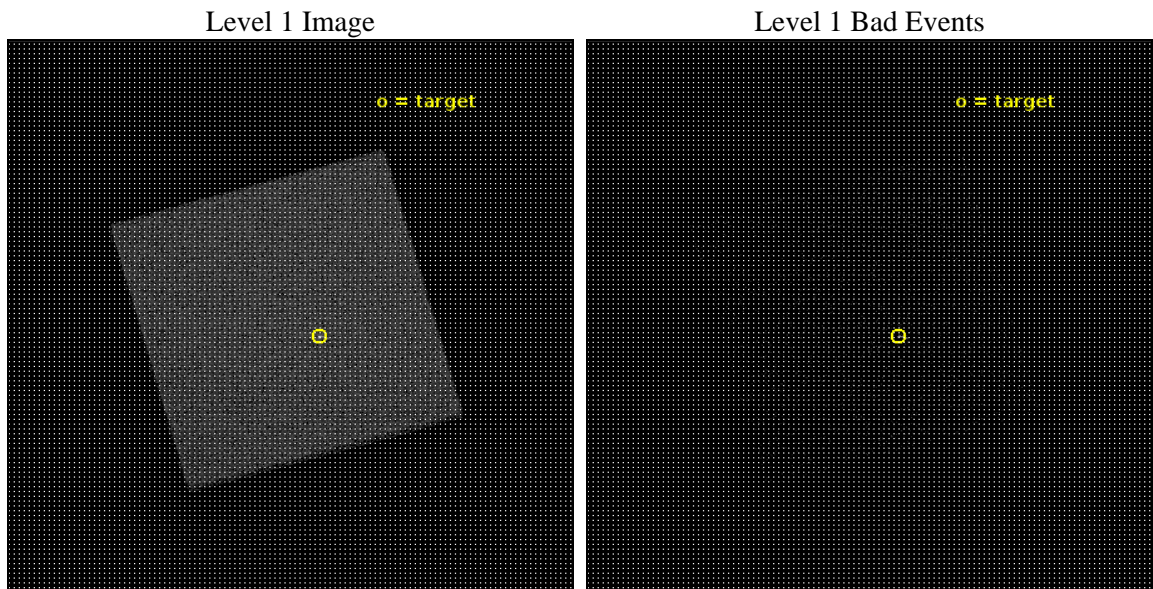
seq_num	291343	Sequence number
obs_id	19826	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.24740596002	Nominal RA [deg]
dec_nom	45.76785481048	Nominal Dec [deg]
roll_nom	209.03182082461	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1173.8813188076	[s]
livetime	1159.3430645771	Ontime multiplied by DTCOR
l2events	127207	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	1173.8813188076	[s]
caldsver	4.7.6	 	l1events	213458	Number of level 1 events
date	2017-09-17T15:30:09	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

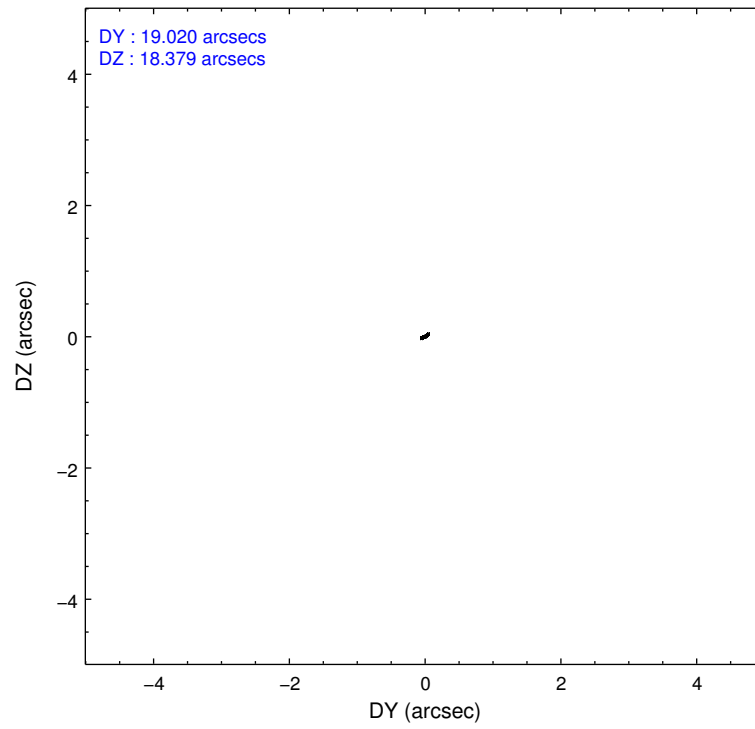
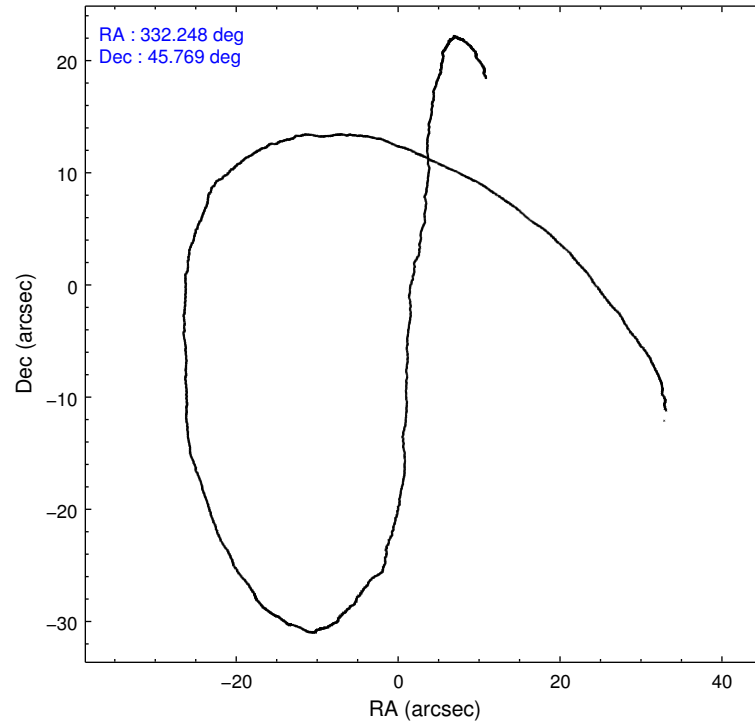
	segment 0
level 1 events	213458
rejected events	47564
rejected %	22%

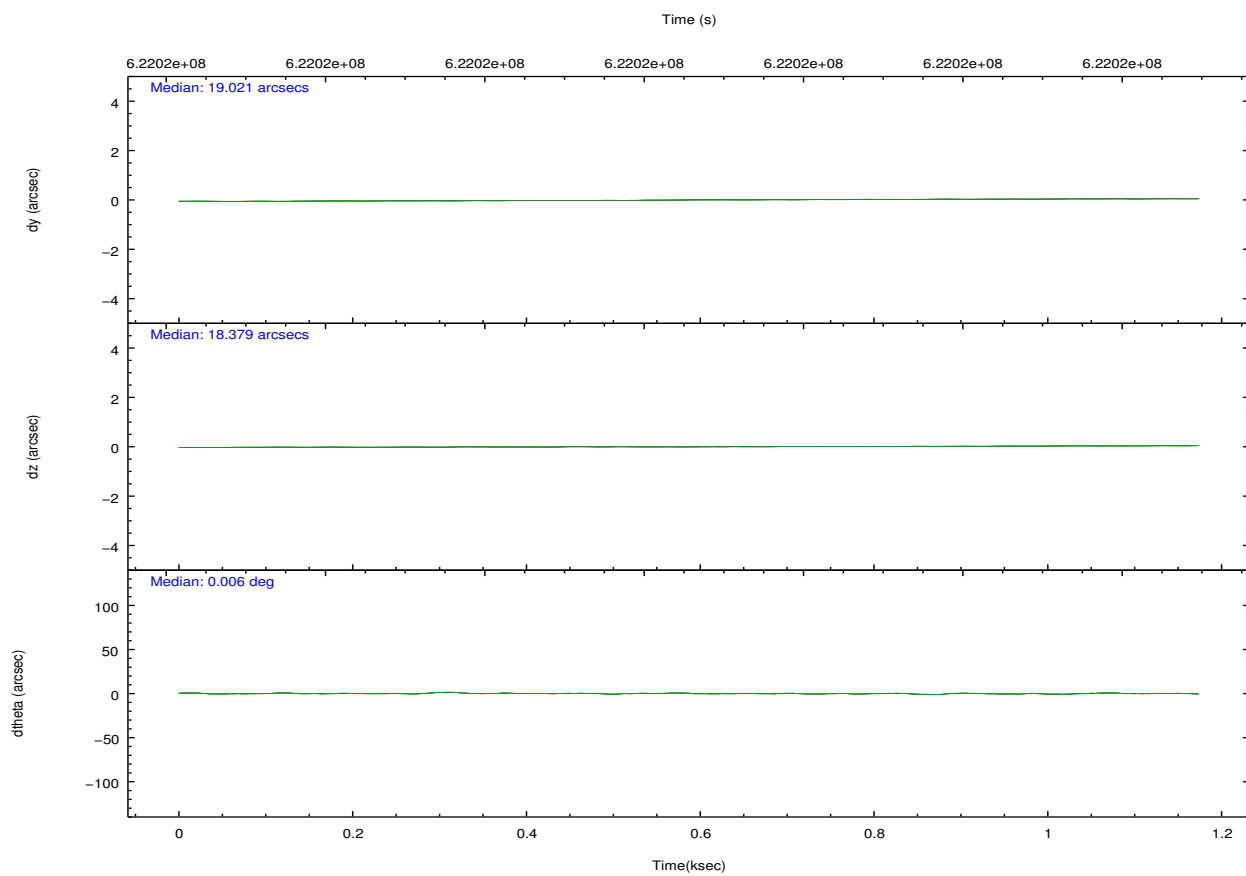
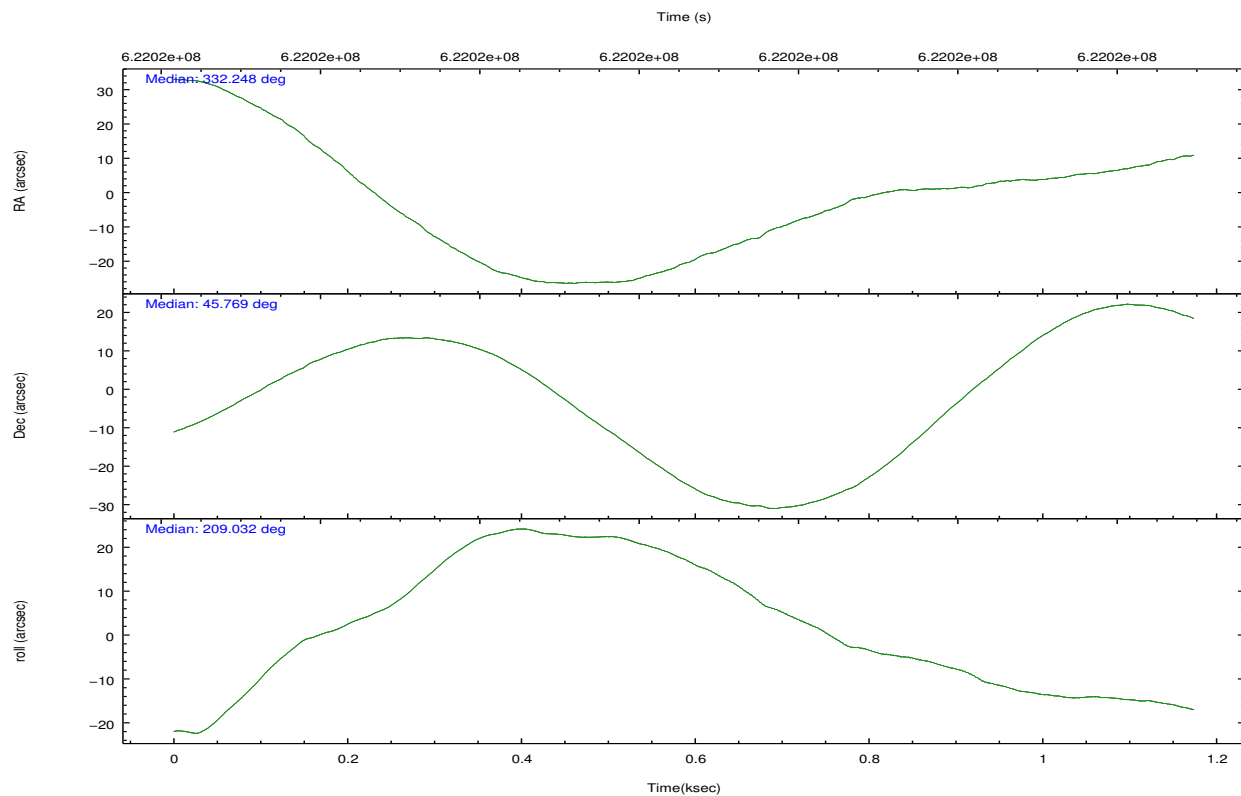
2.2 Compared Parameters

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	332.266719	332.2474059600219
[deg] Pointing Dec	45.790882	45.76785481047987
[deg] Pointing Roll	209.113450	209.0318208246149
[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)	622022228.184000	622021852.27894
Observation start date	2017-09-17T07:55:59	2017-09-17T07:50:52
[s] Observation end time (MET)	622023228.184000	622023362.6165299
Observation end date	2017-09-17T08:12:39	2017-09-17T08:16:02

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

2.3 Aspect



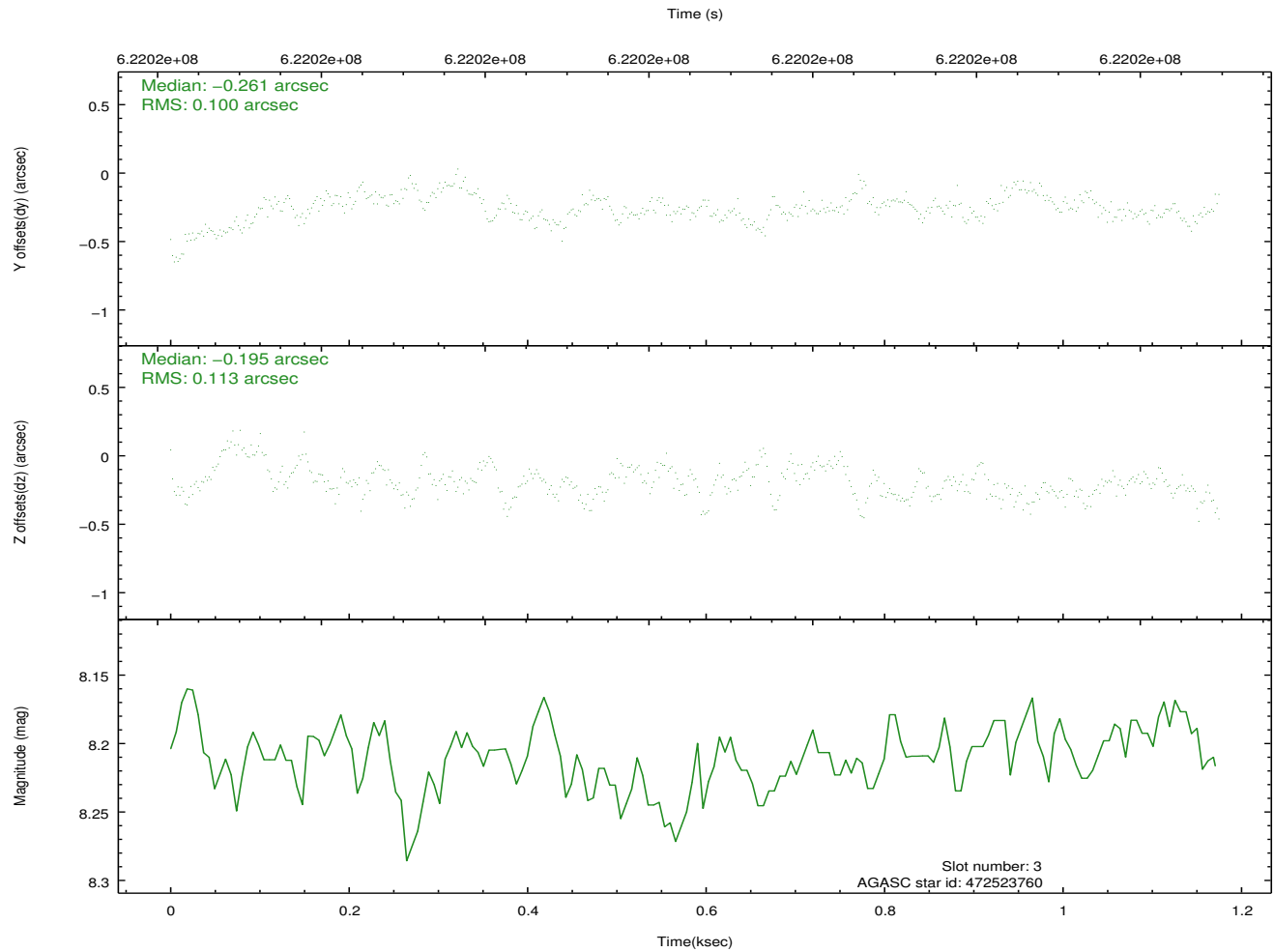
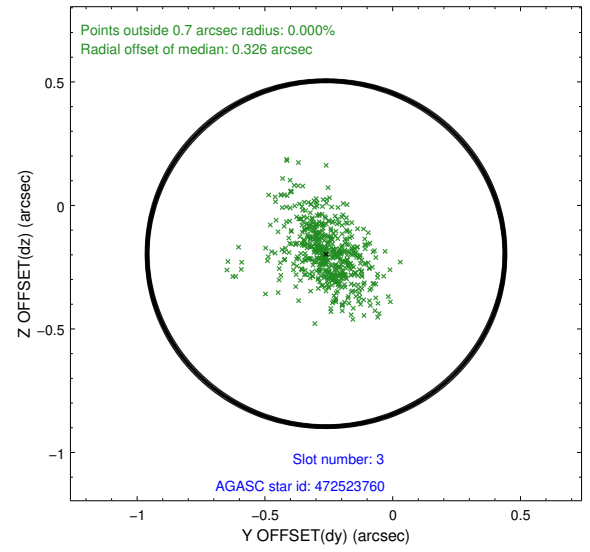
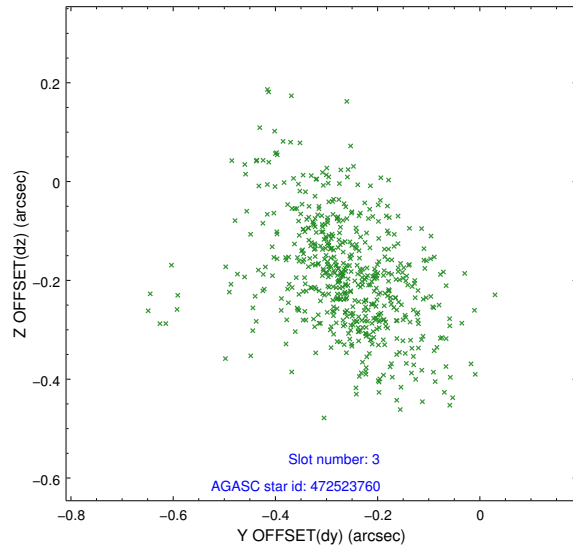


Slot Statistics

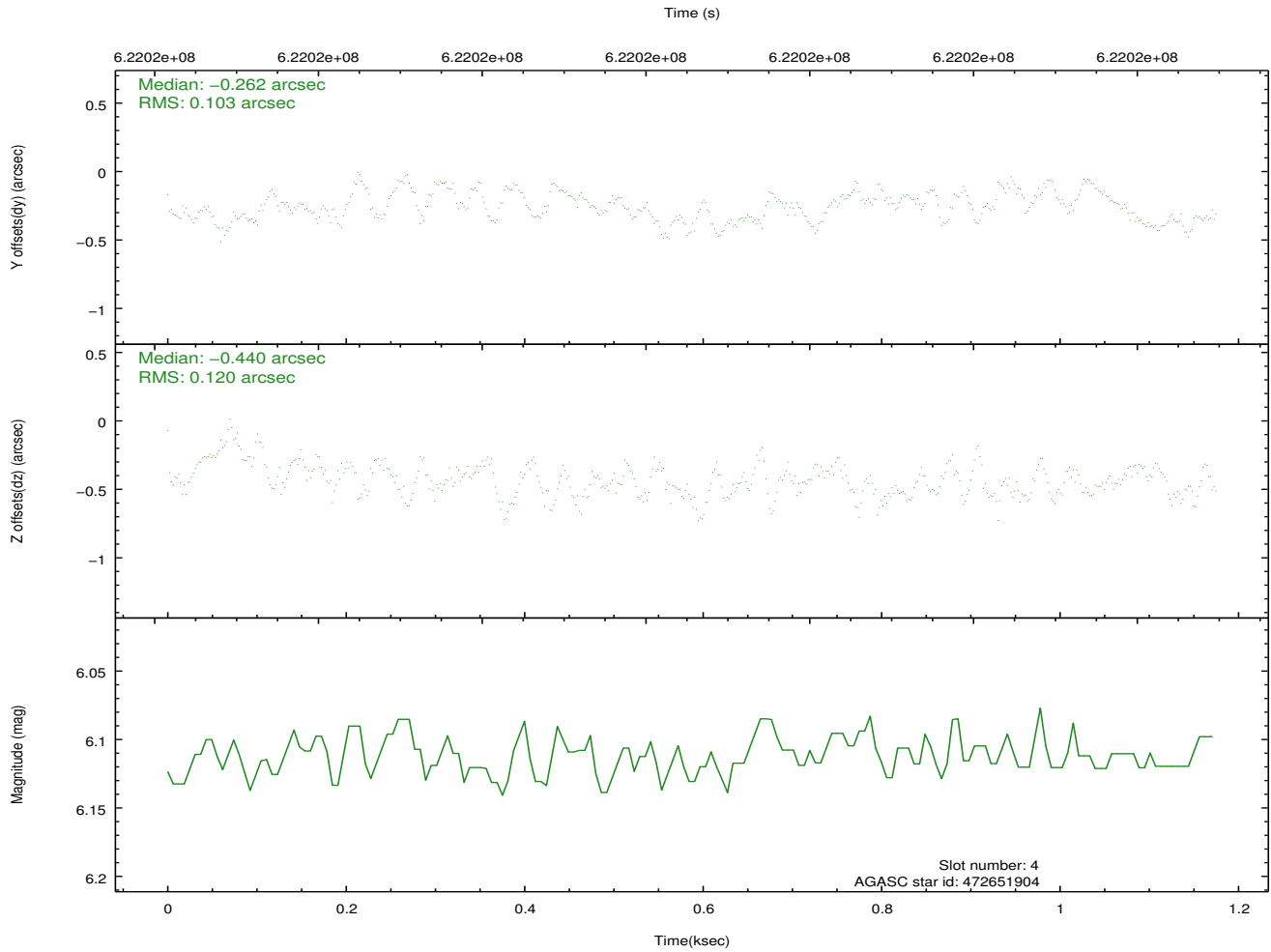
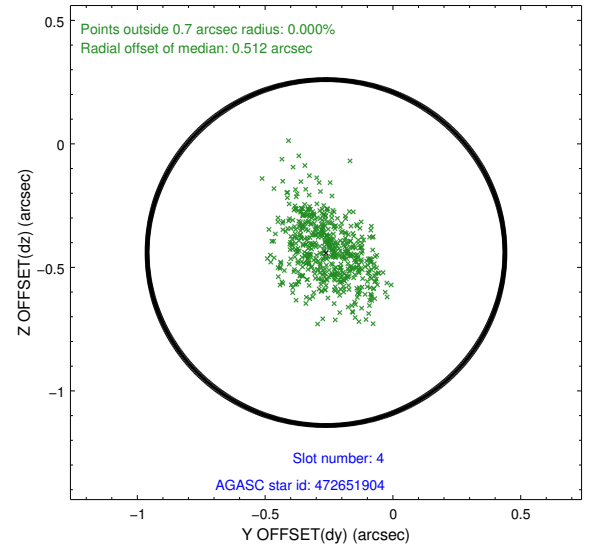
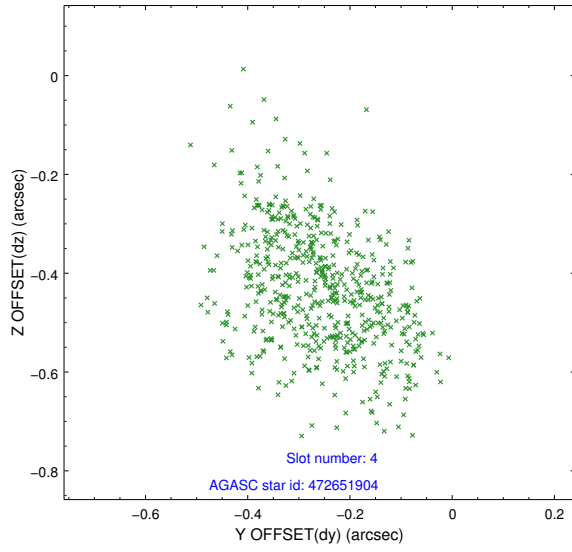
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.03	287	-0.206	0.007	0.006	0.009	0.000000	0.000000	-775.07	-1306.59
1	FID		HRC-I-2	7.05	287	0.370	-0.135	0.006	0.009	0.000000	0.000000	835.44	-1312.78
2	FID		HRC-I-3	7.11	287	-0.045	0.037	0.005	0.009	0.000000	0.000000	-1200.59	993.41
3	GUIDE	used	472523760	8.21	574	-0.261	-0.195	0.151	0.289	331.645363	45.403260	2049.81	451.88
4	GUIDE	used	472651904	6.11	574	-0.262	-0.440	0.166	0.269	332.170077	45.742257	302.69	36.21
5	GUIDE	used	472665256	8.96	574	0.426	0.280	0.209	0.428	332.808125	46.195041	-1886.13	-615.96
6	GUIDE	used	472654568	9.37	572	-0.443	-0.112	0.231	0.474	332.194449	45.063576	1432.56	2199.22
7	GUIDE	used	472663080	9.32	570	0.527	0.482	0.206	0.352	332.652741	46.473840	-2028.88	-1677.74

2.4 Star Slots

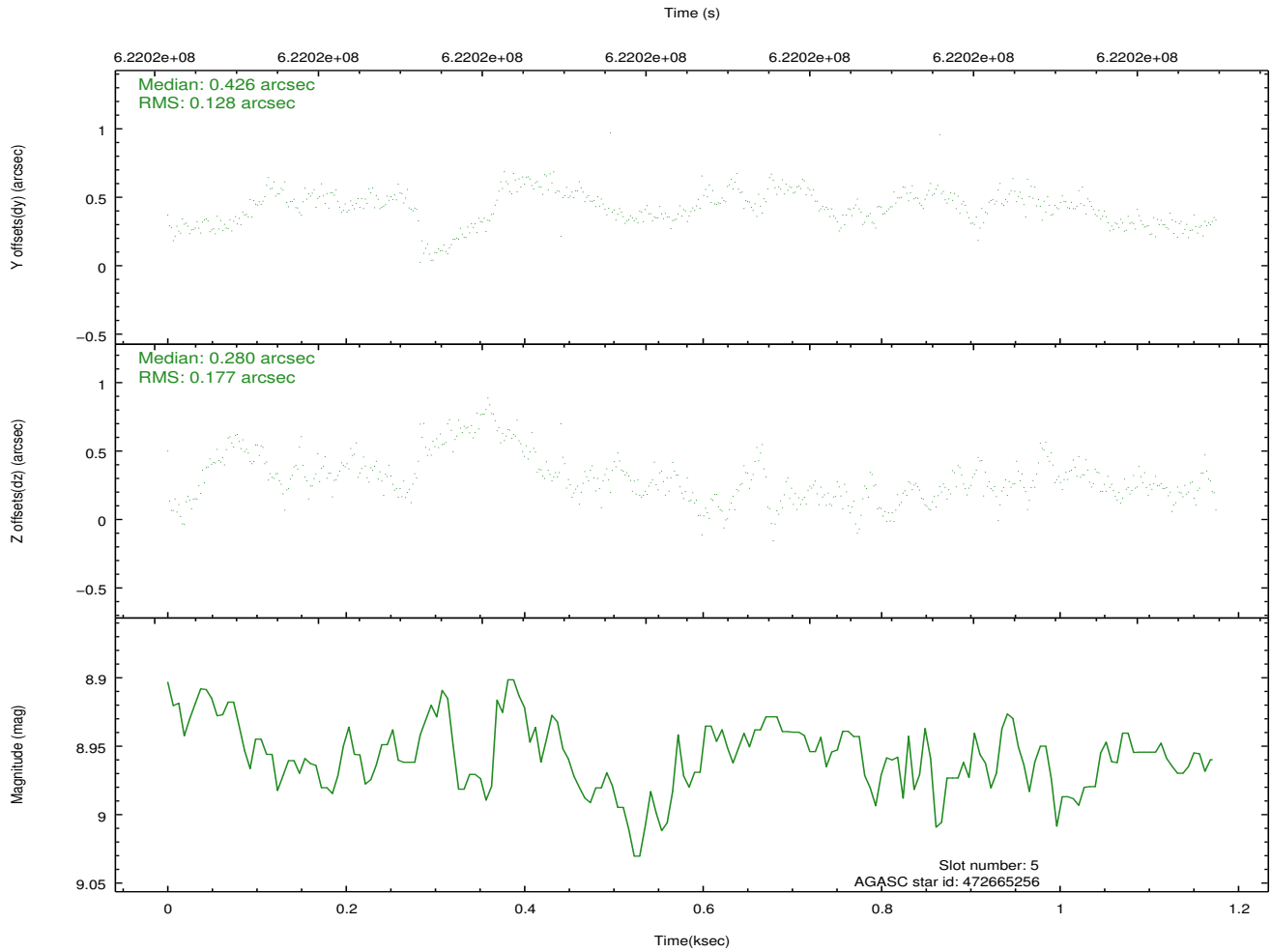
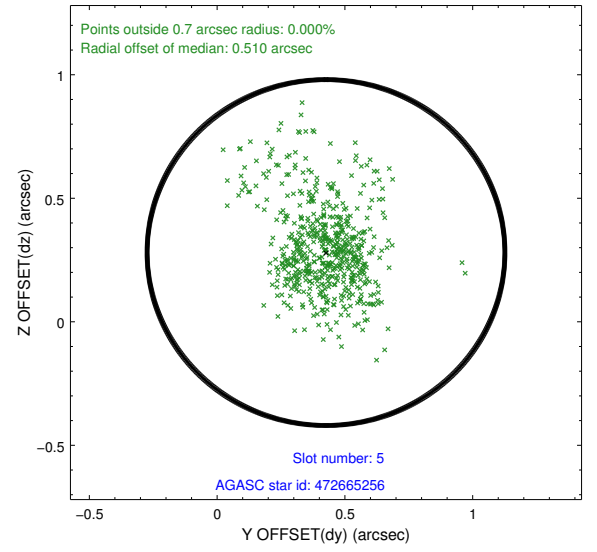
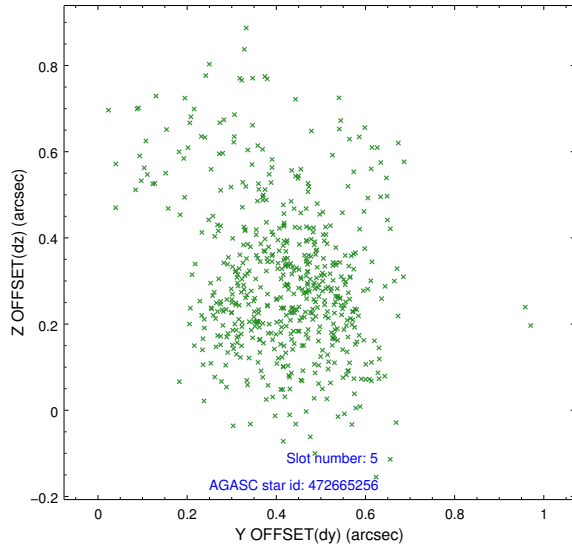
2.4.1 Slot 3



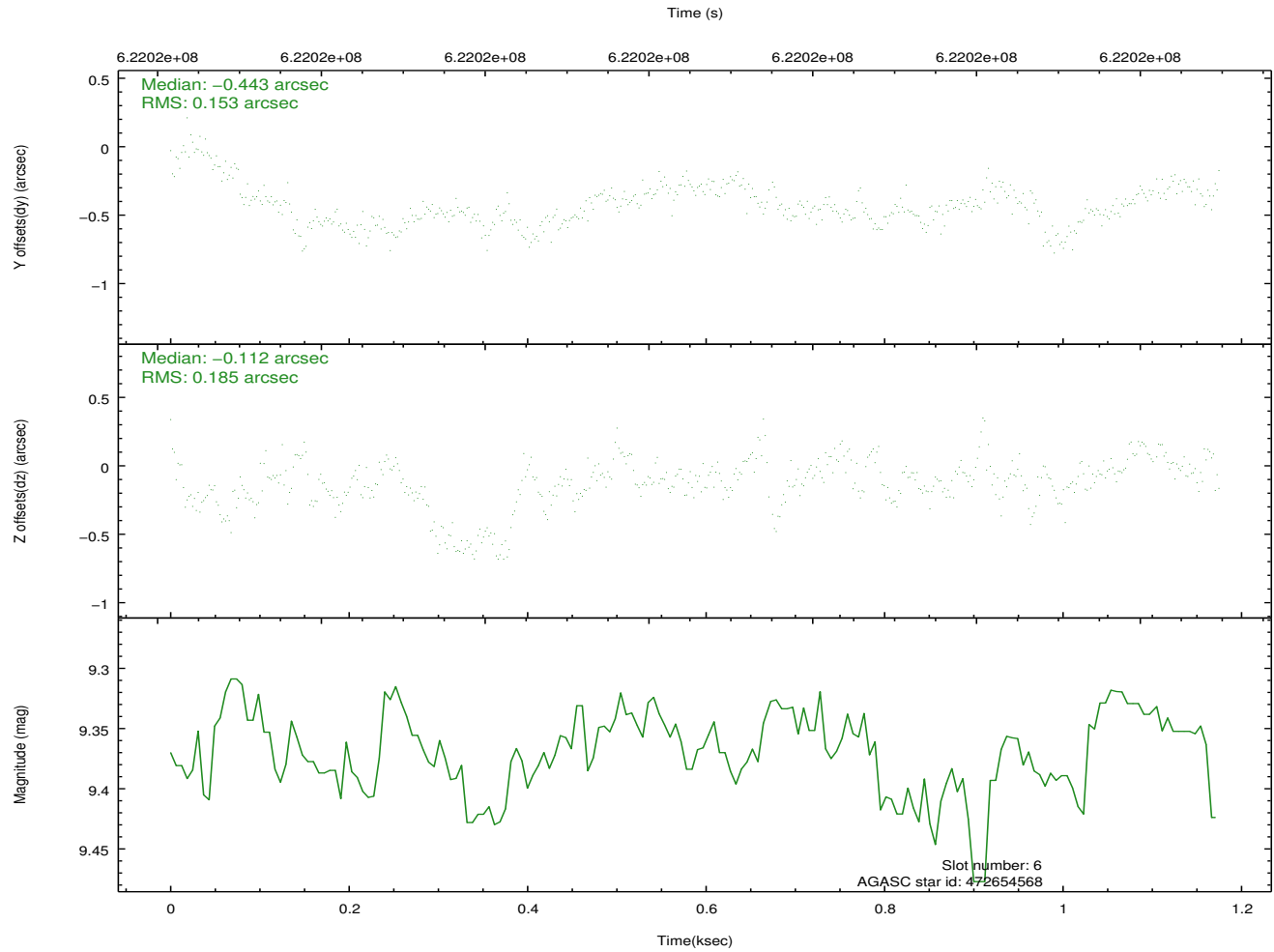
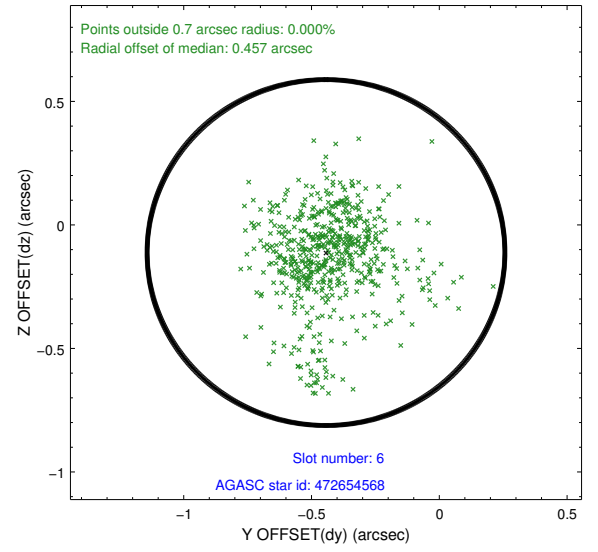
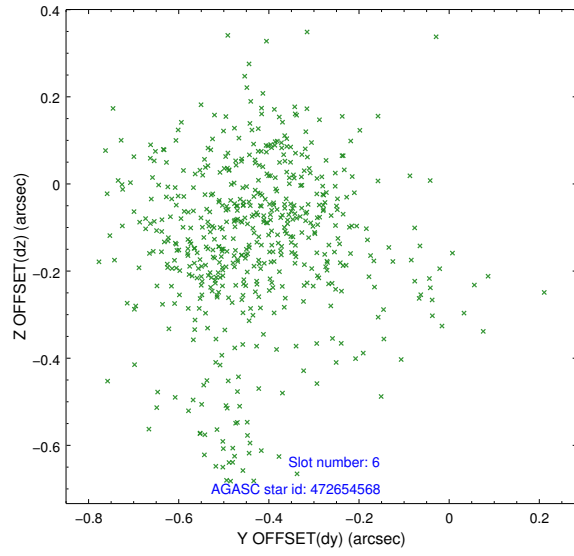
2.4.2 Slot 4



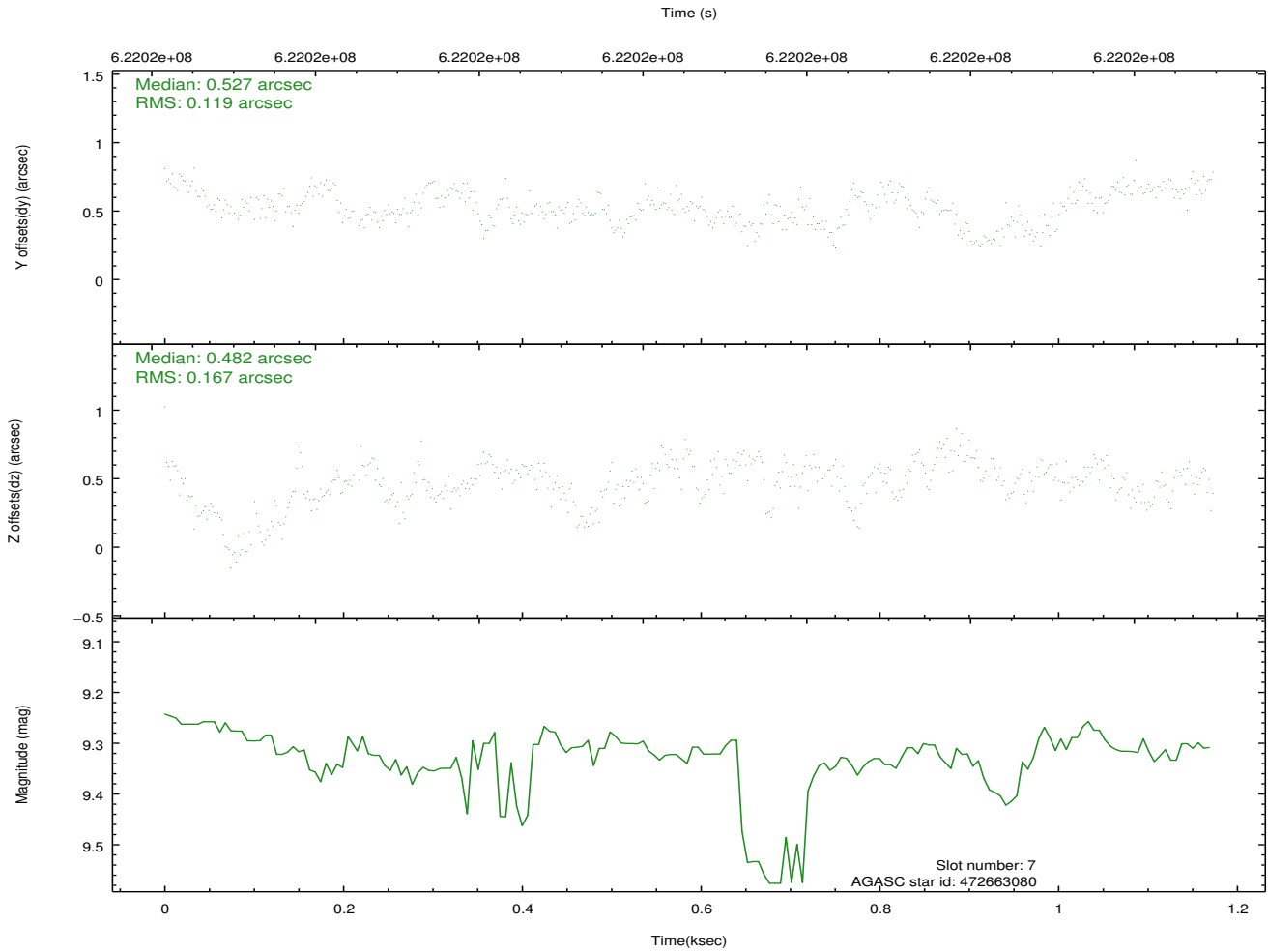
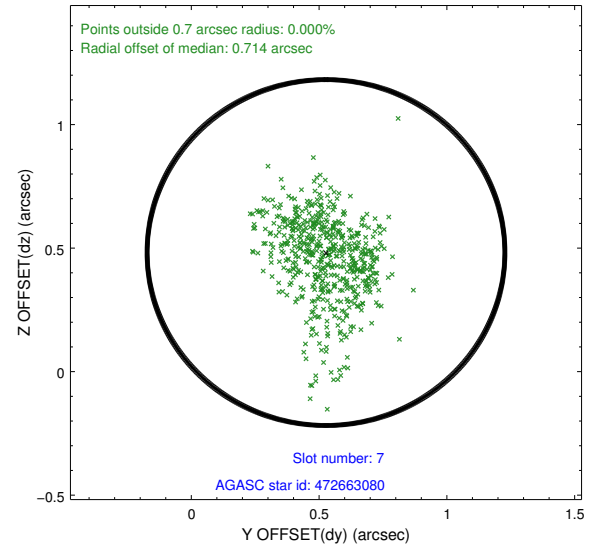
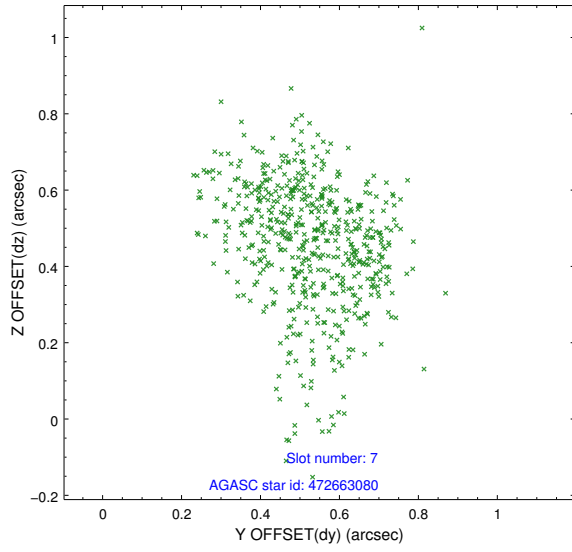
2.4.3 Slot 5



2.4.4 Slot 6

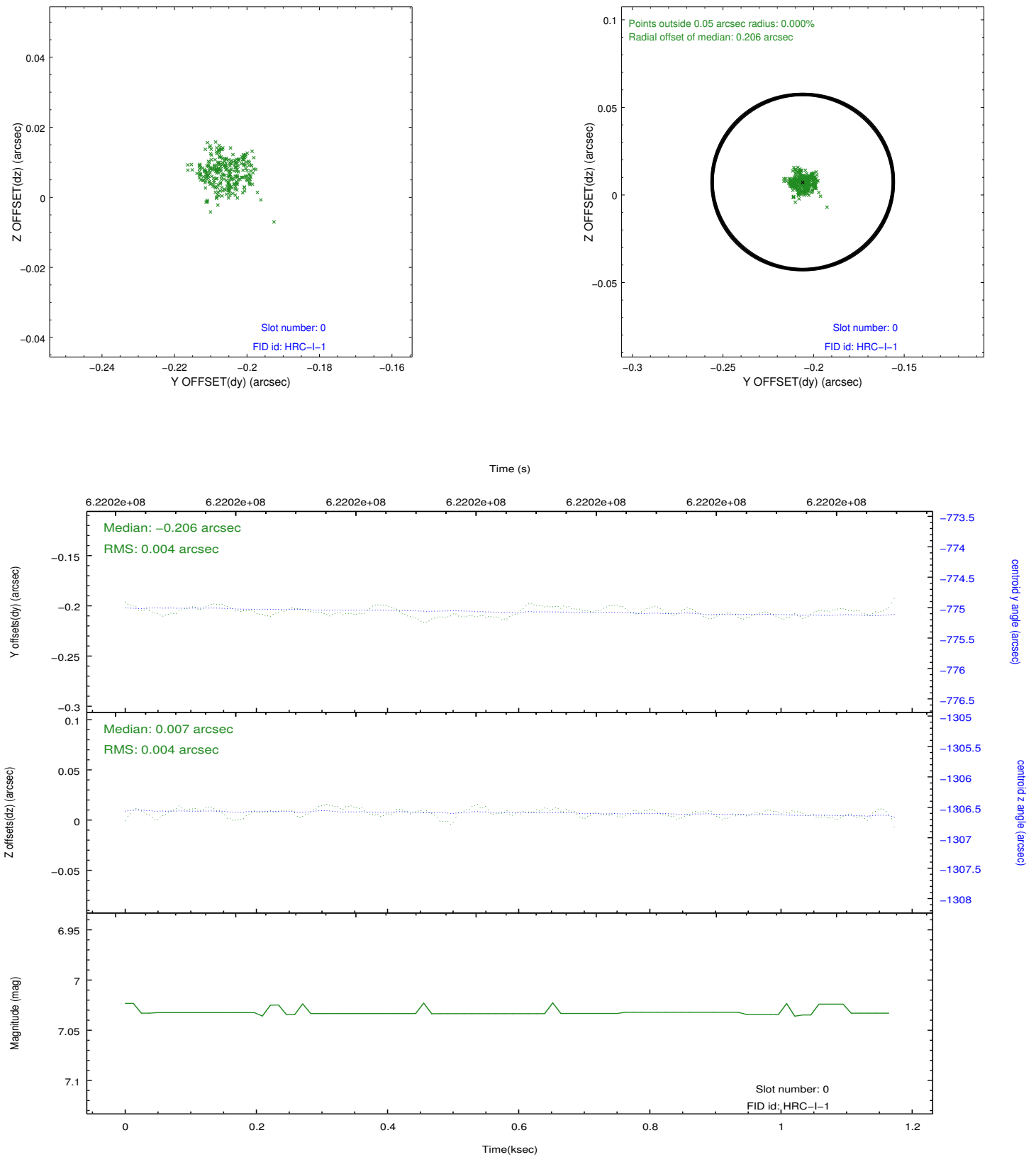


2.4.5 Slot 7

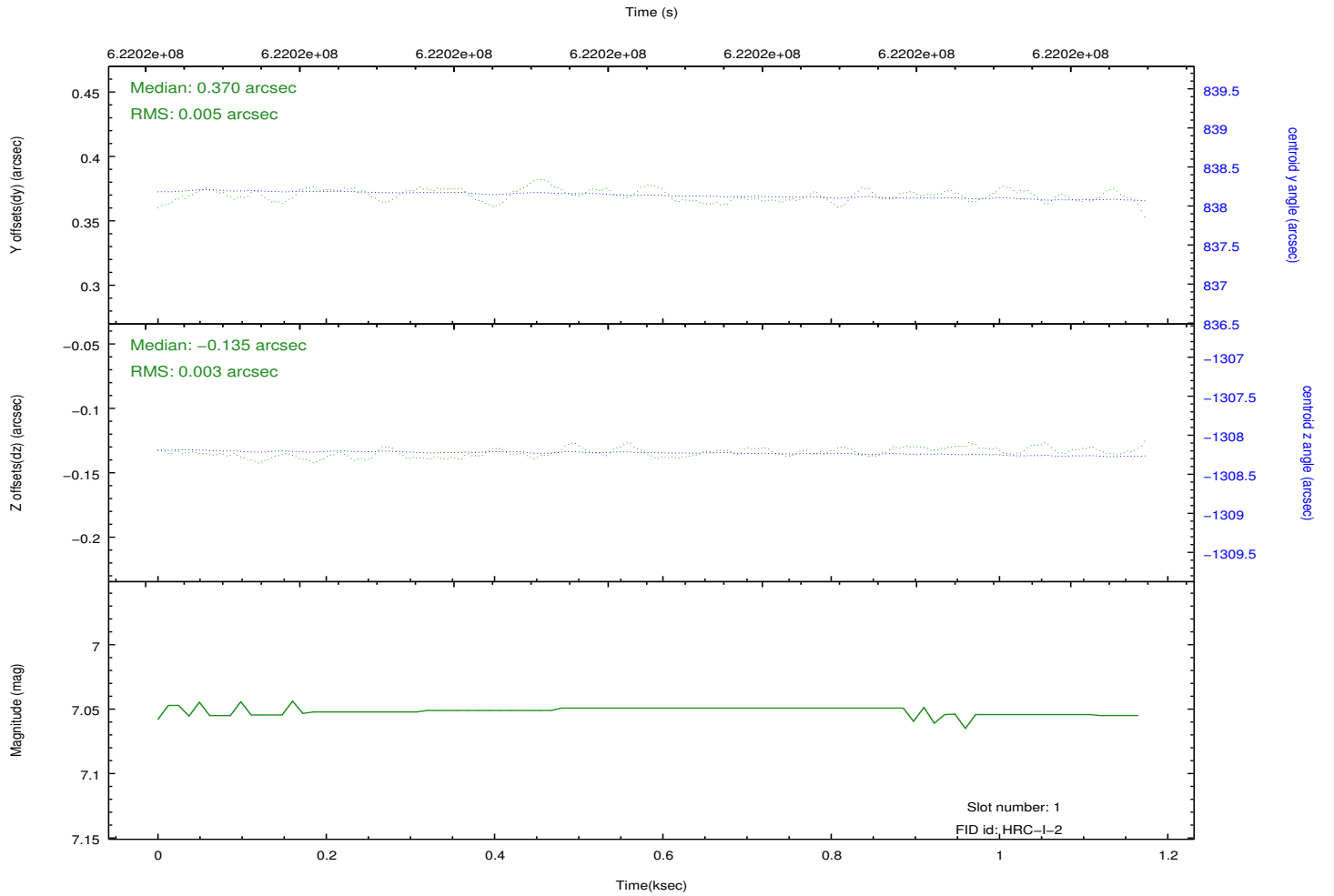
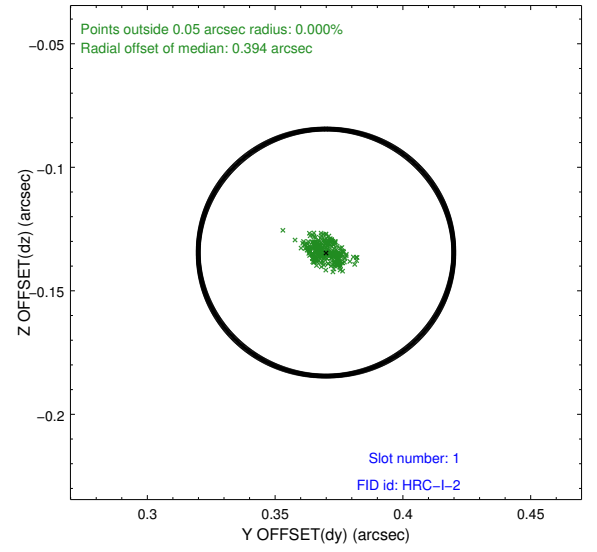
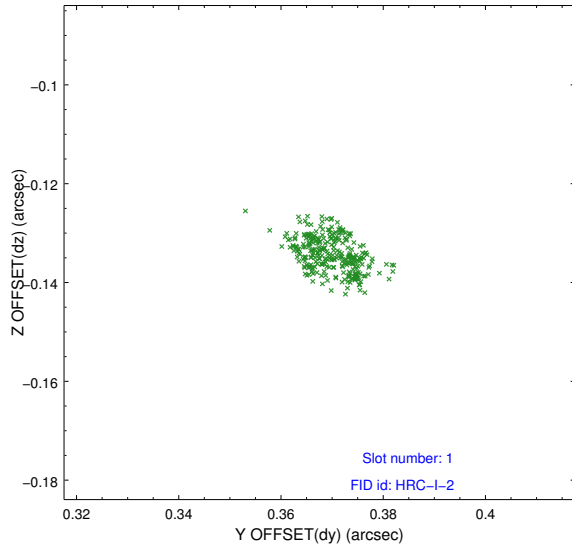


2.5 FID Slots

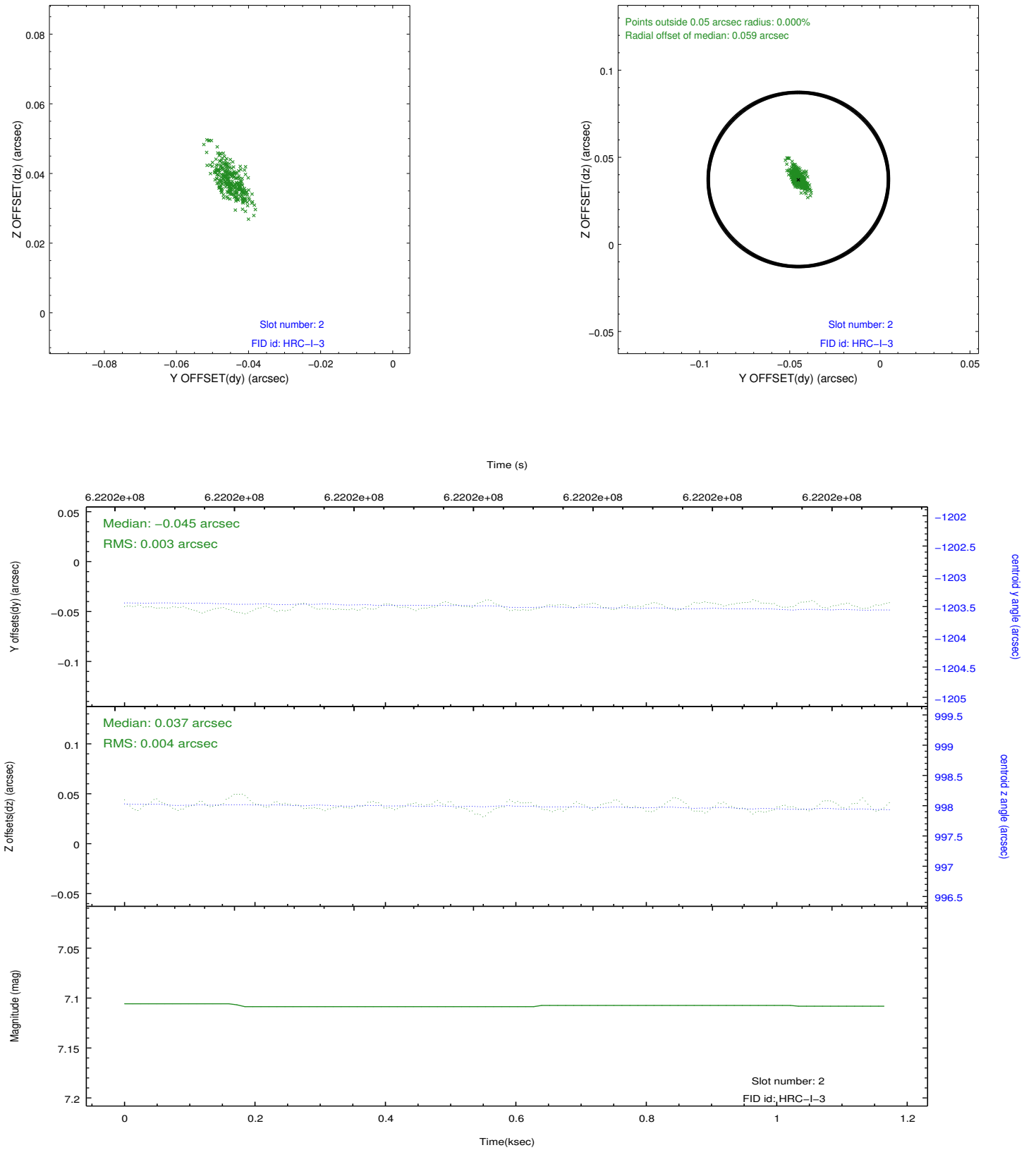
2.5.1 Slot 0



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	1.1738813188076

A.2 Comments