

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19804 - L2 Version 1
Chandra X-Ray Center

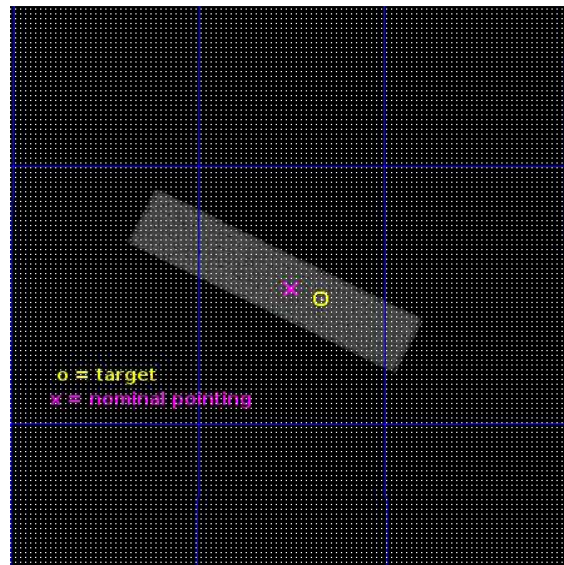
L2 Processing Date : Sep 15 2017

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1 Front

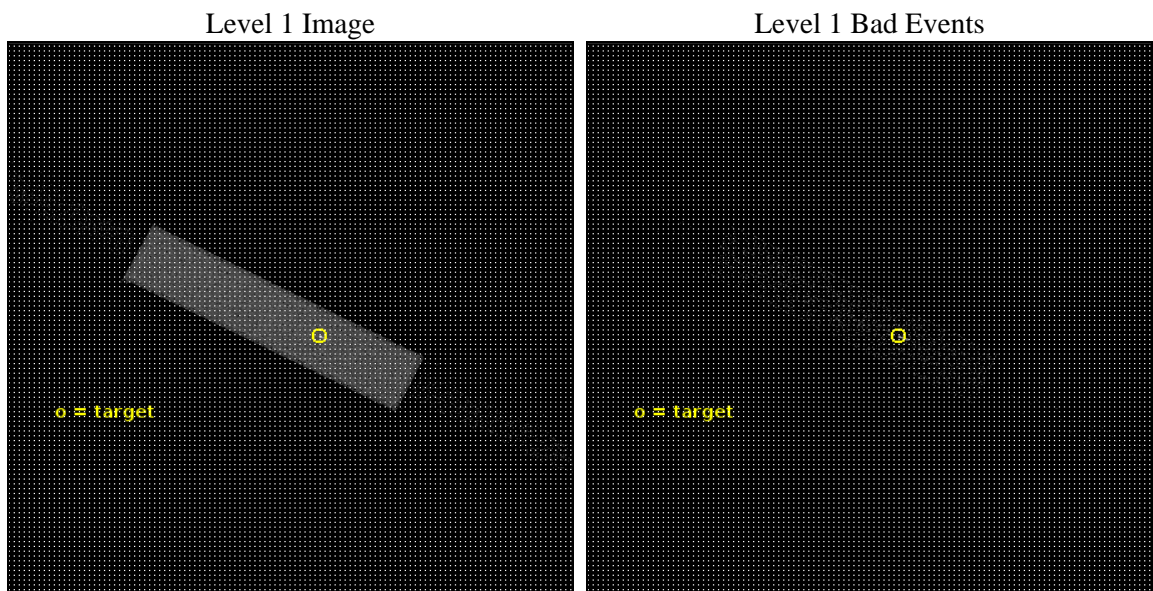
seq_num	291321	Sequence number
obs_id	19804	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.24972598003	Nominal RA [deg]
dec_nom	45.763383892806	Nominal Dec [deg]
roll_nom	206.86011535536	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1171.575068593	[s]
livetime	1161.8444895506	Ontime multiplied by DTCOR
l2events	76879	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	1171.575068593	[s]
caldsver	4.7.6	 	l1events	114834	Number of level 1 events
date	2017-09-15T14:50:01	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

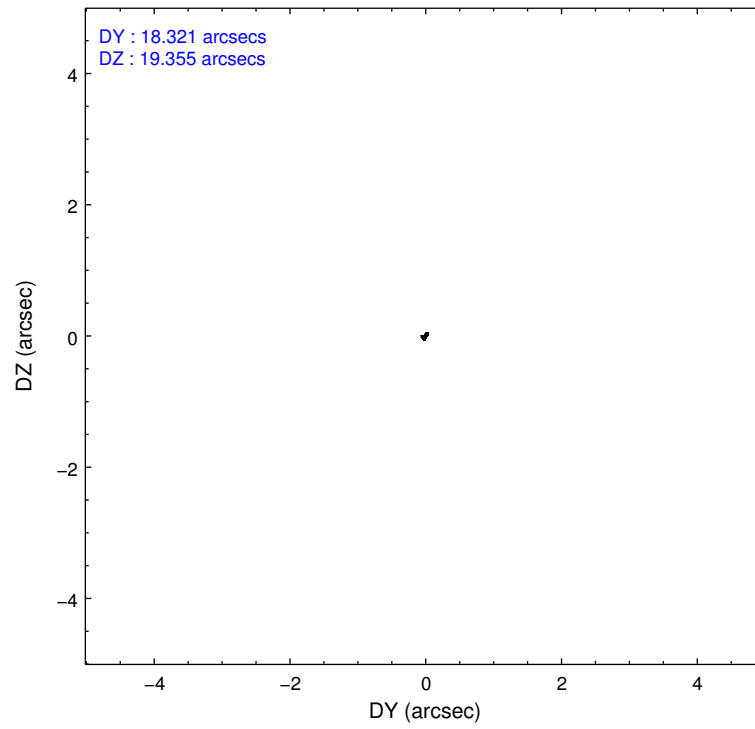
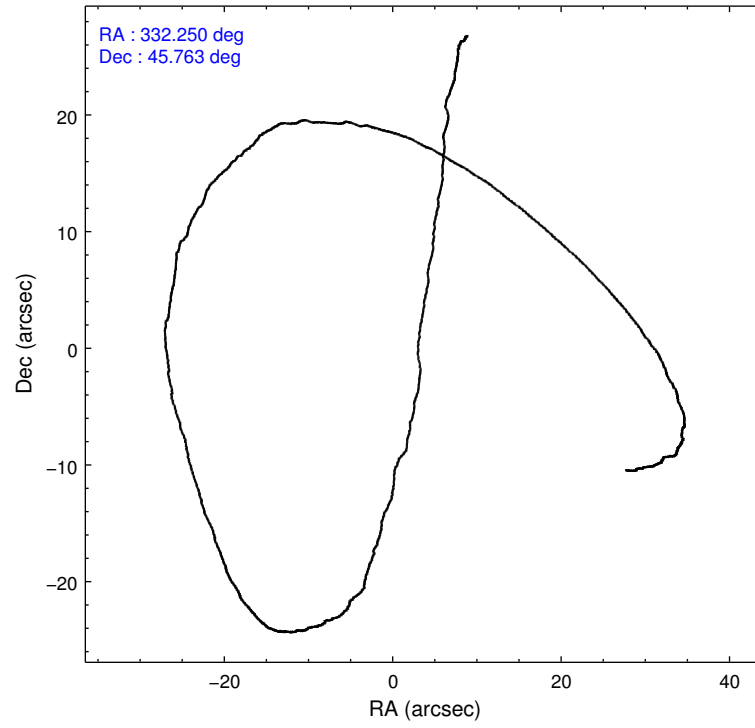
	segment 1	segment 2	segment 3
level 1 events	1135	112661	1038
rejected events	1135	24025	1038
rejected %	100%	21%	100%

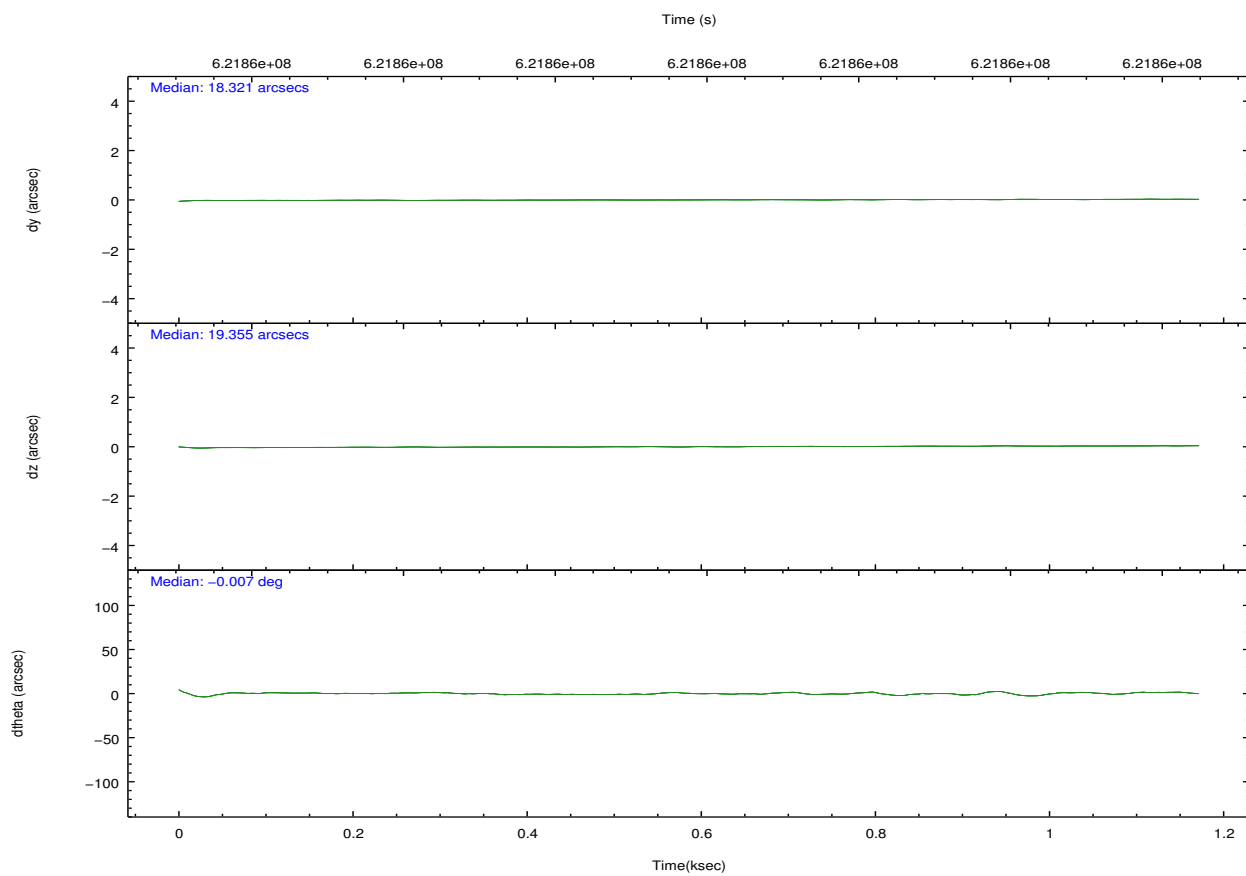
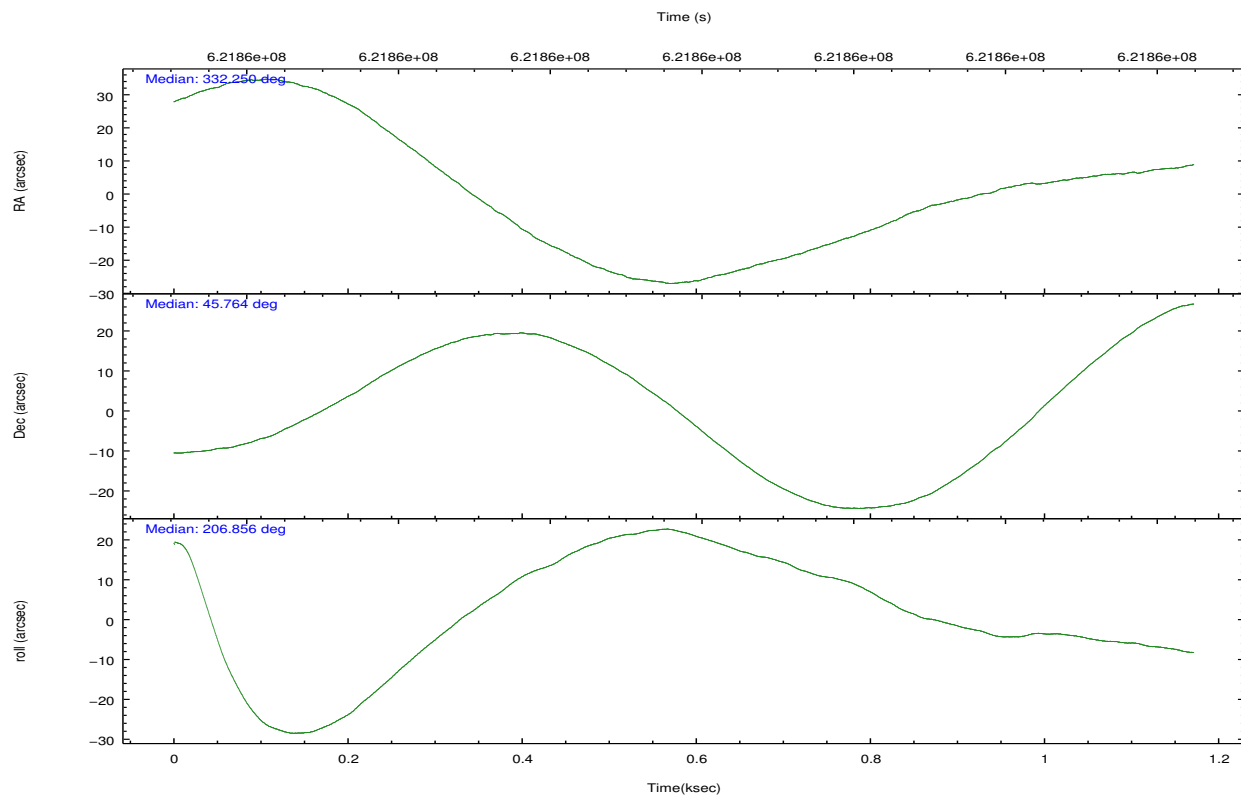
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.270004	332.2497259800291
[deg] Pointing Dec	45.788489	45.76338389280635
[deg] Pointing Roll	206.778037	206.8601153553563
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.466033080201
[mm] SIM translation stage offset	0	-0.01005468664627074
[s] Observation start time (MET)	621856962.184000	621856586.39428
Observation start date	2017-09-15T10:01:33	2017-09-15T09:56:26
[s] Observation end time (MET)	621857962.184000	621858096.7318701
Observation end date	2017-09-15T10:18:13	2017-09-15T10:21:36

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

2.3 Aspect



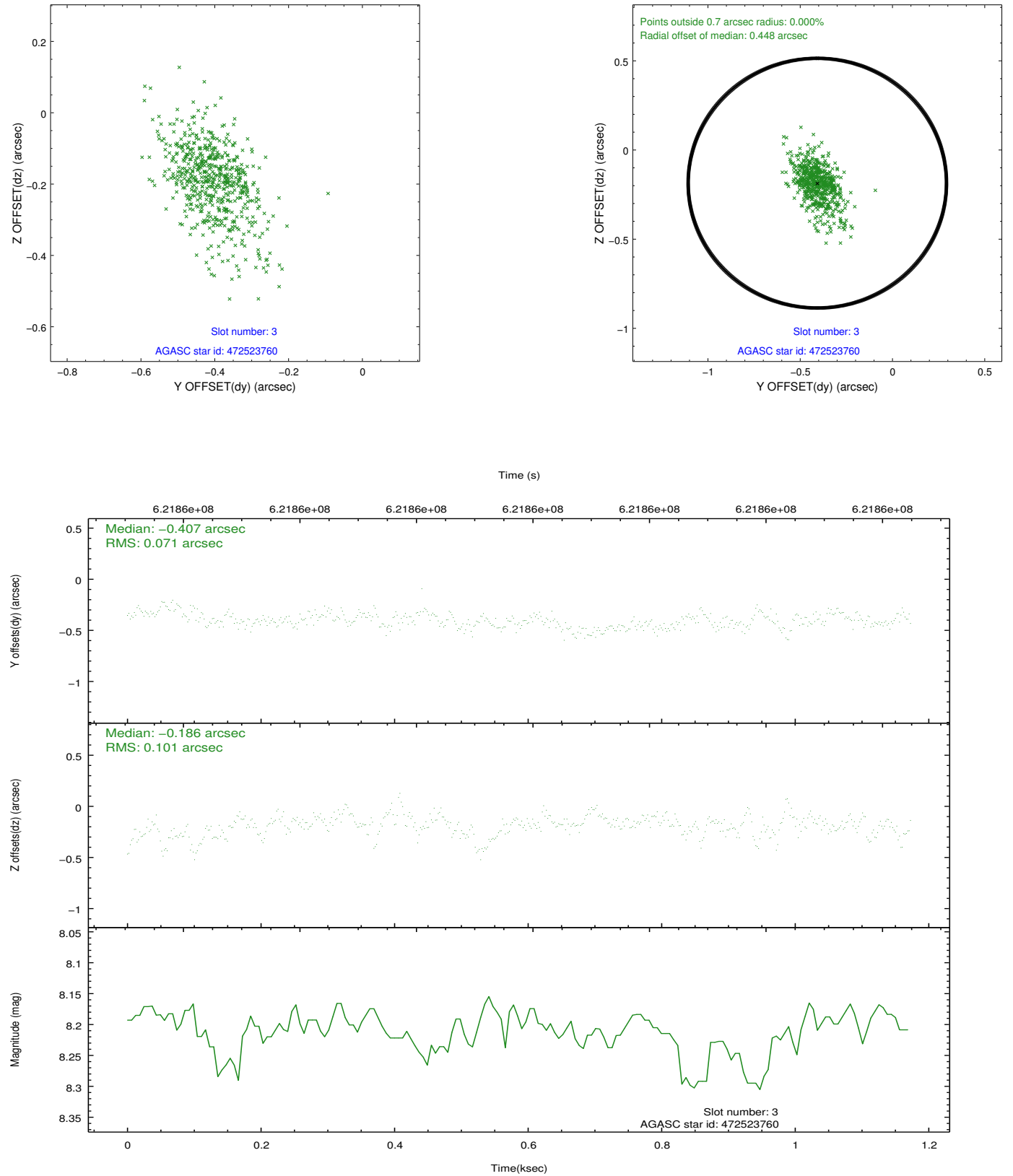


Slot Statistics

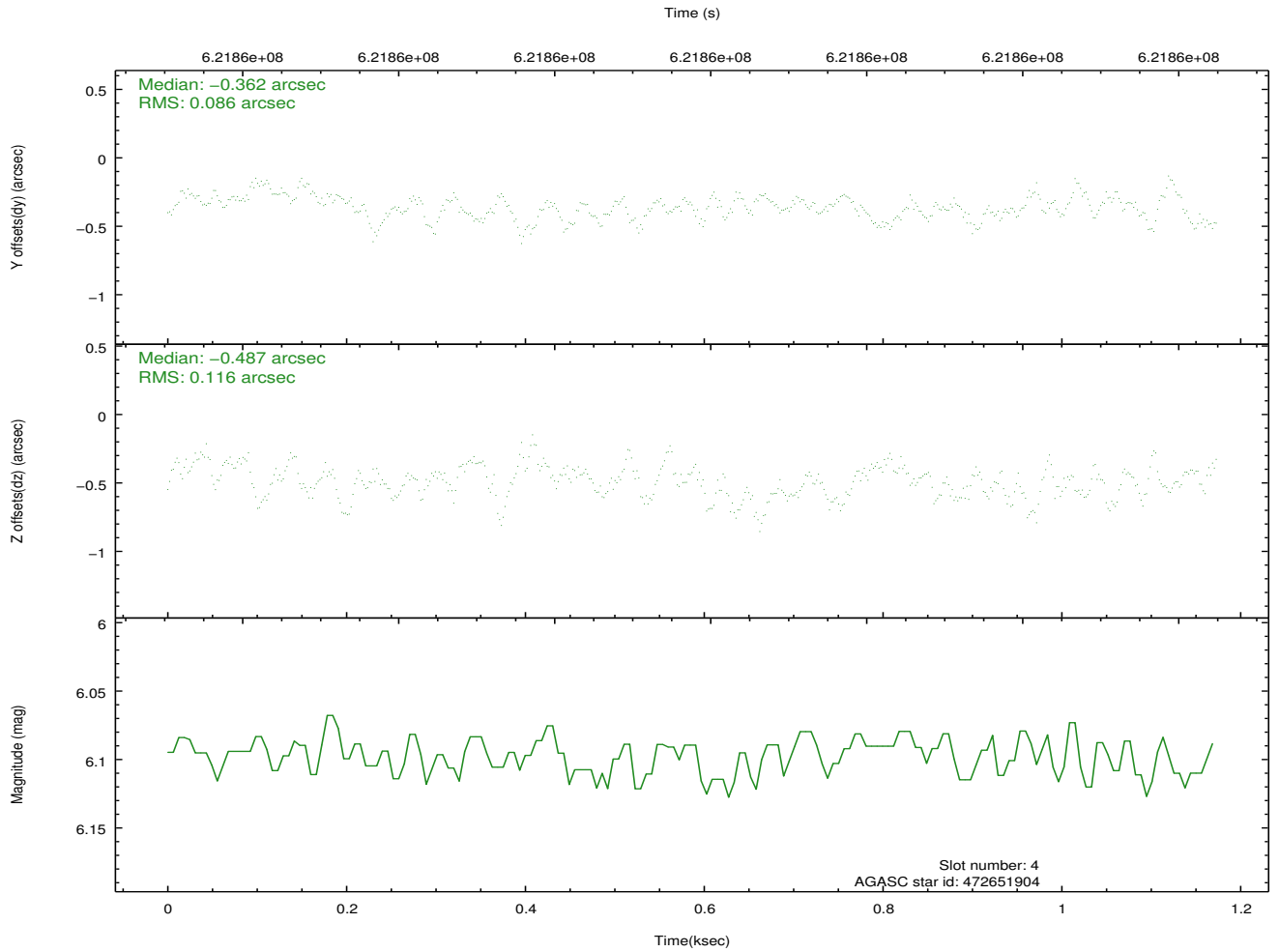
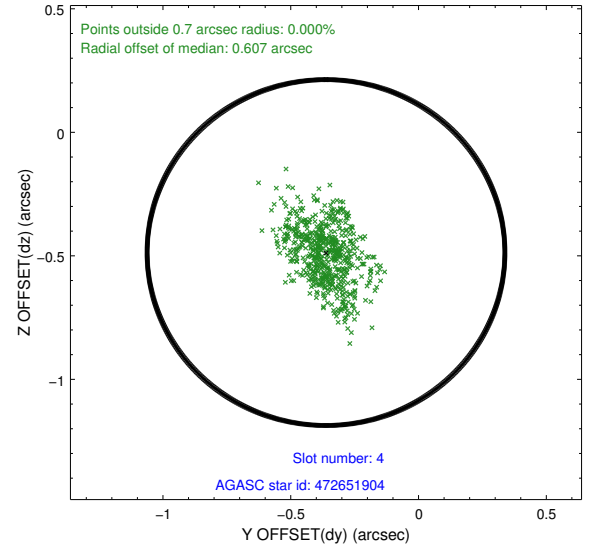
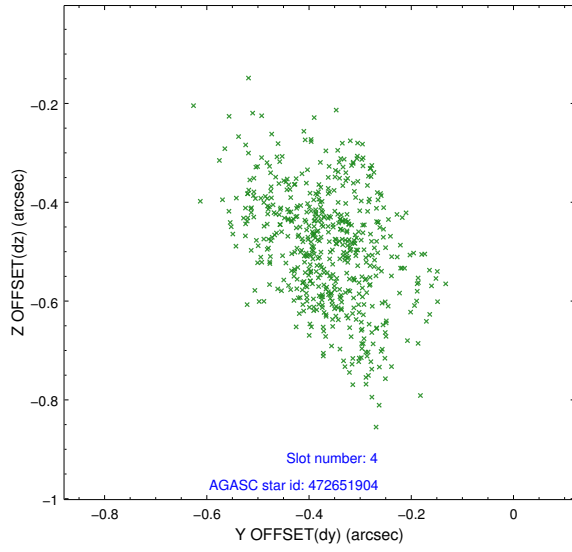
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.05	286	-0.201	-0.216	0.005	0.009	0.000000	0.000000	-1173.03	-468.48
1	FID		HRC-S-2	7.00	286	0.204	-0.129	0.010	0.025	0.000000	0.000000	1222.93	-462.51
2	FID		HRC-S-4	7.01	286	0.399	0.042	0.009	0.021	0.000000	0.000000	1230.00	562.41
3	GUIDE	used	472523760	8.21	573	-0.407	-0.186	0.119	0.243	331.645363	45.403260	2032.87	520.18
4	GUIDE	used	472651904	6.10	573	-0.362	-0.487	0.153	0.250	332.170077	45.742257	304.19	33.51
5	GUIDE	used	472665256	8.96	573	0.248	0.128	0.185	0.300	332.808125	46.195041	-1856.24	-707.55
6	GUIDE	used	472533912	9.12	572	0.110	0.229	0.216	0.344	331.791136	46.368695	117.91	-2405.91
7	GUIDE	used	472663080	9.33	572	0.414	0.342	0.176	0.299	332.652741	46.473840	-1957.58	-1782.34

2.4 Star Slots

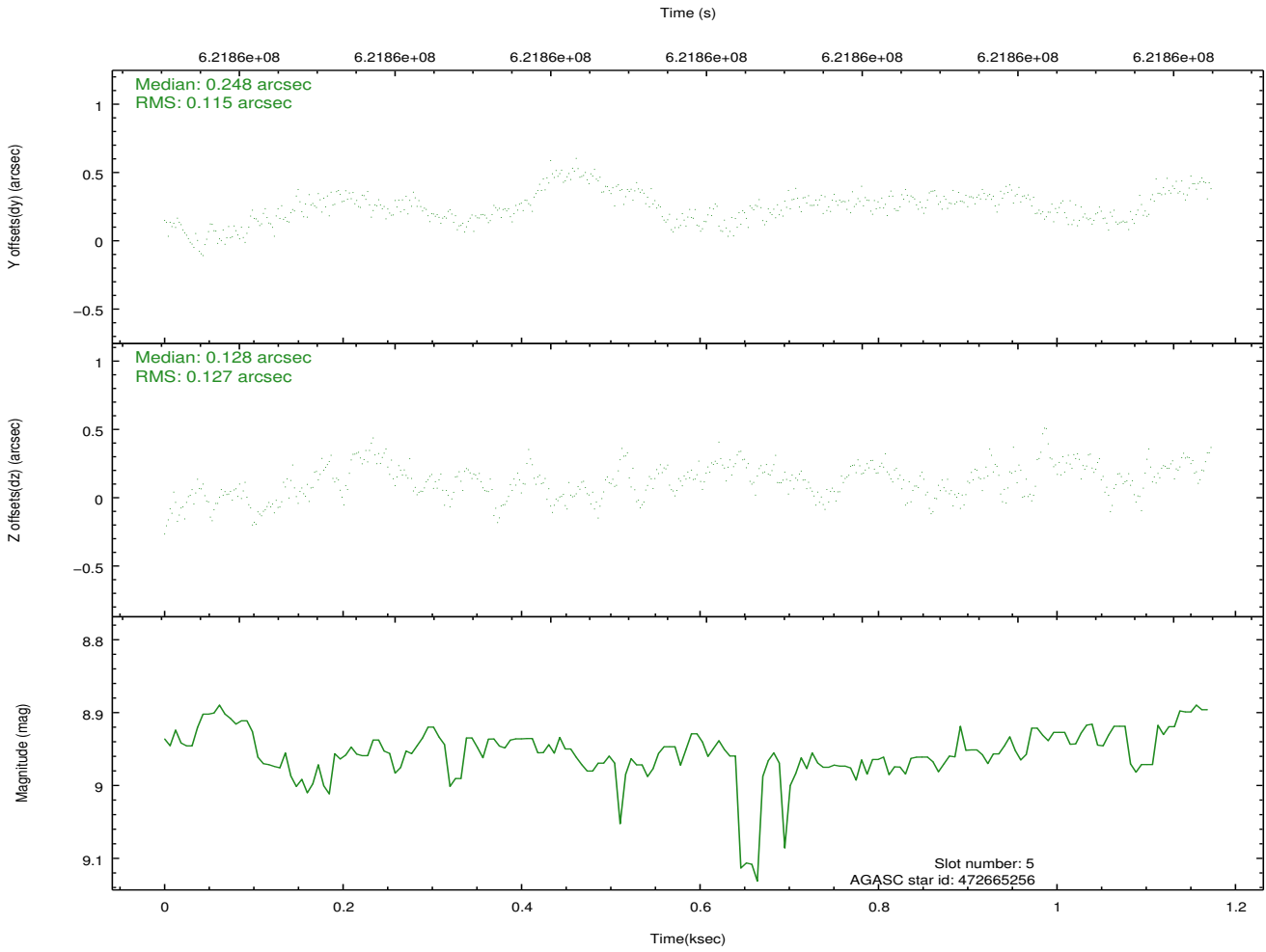
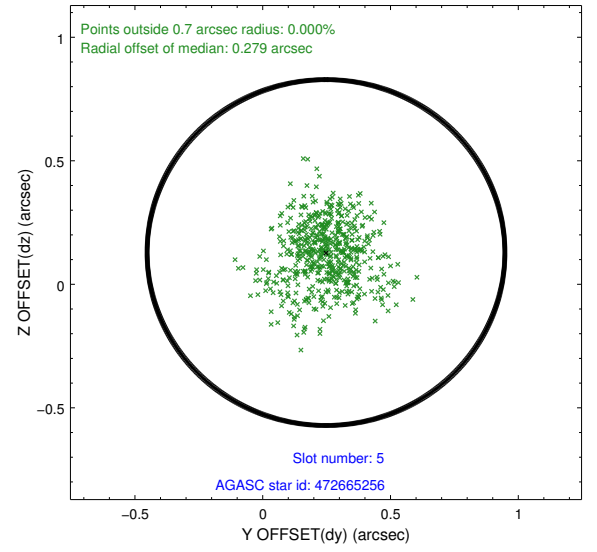
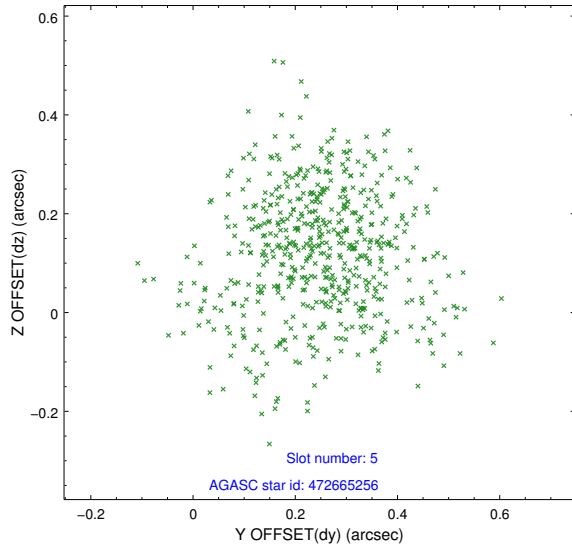
2.4.1 Slot 3



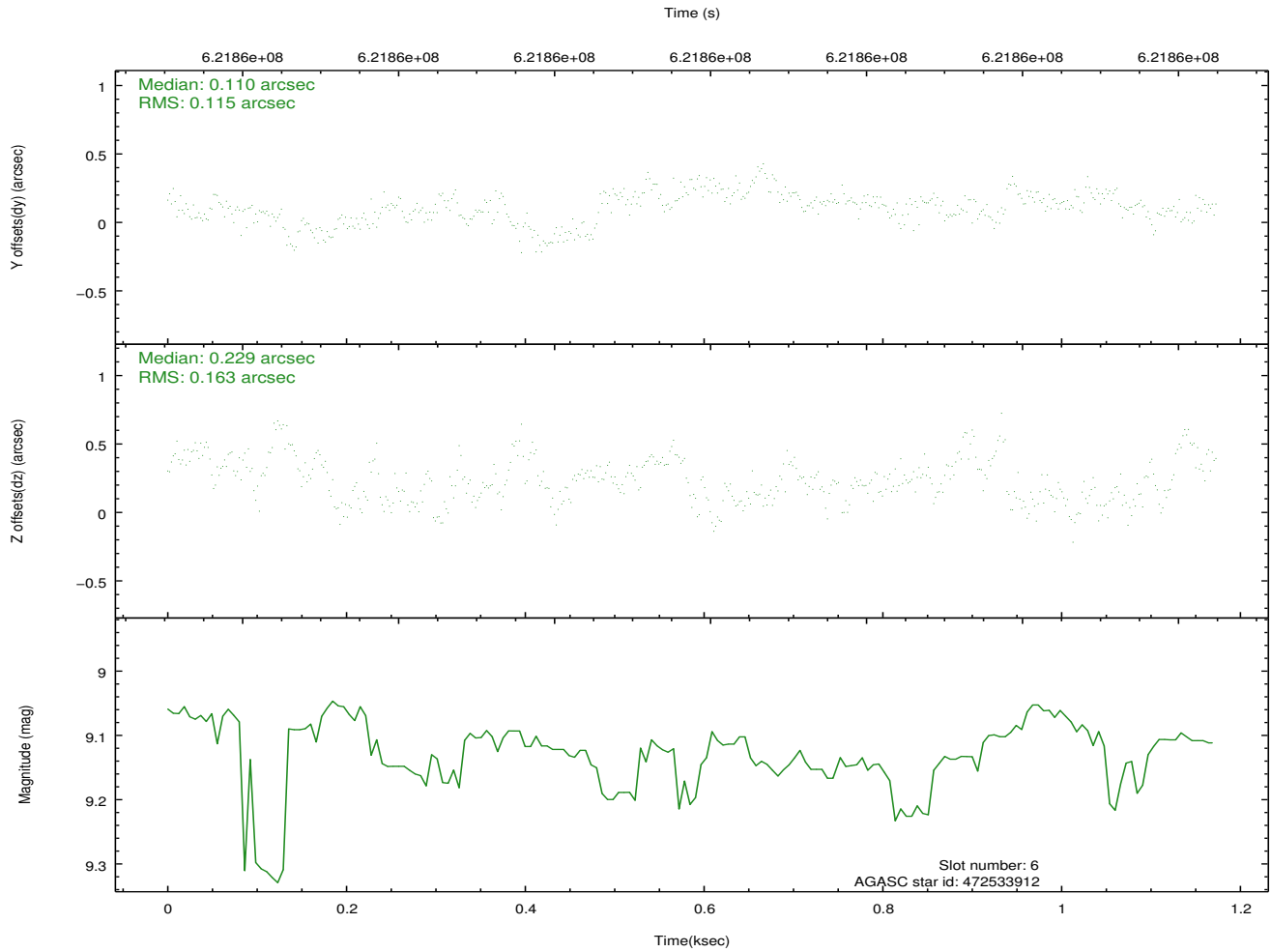
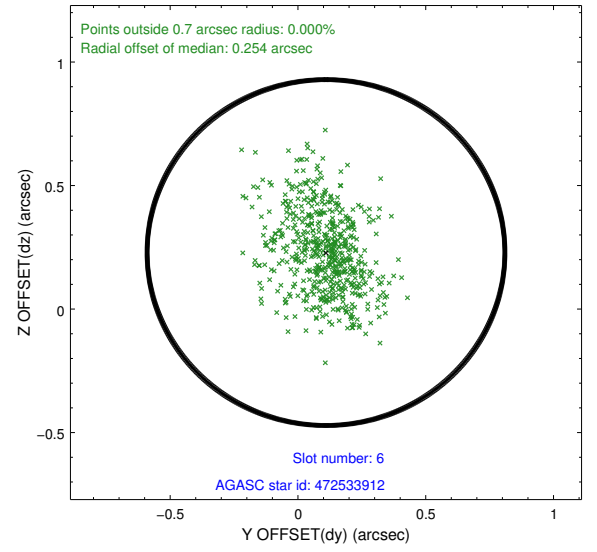
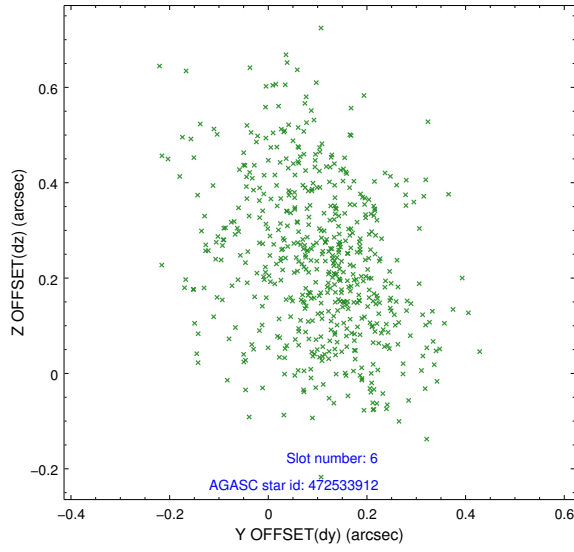
2.4.2 Slot 4



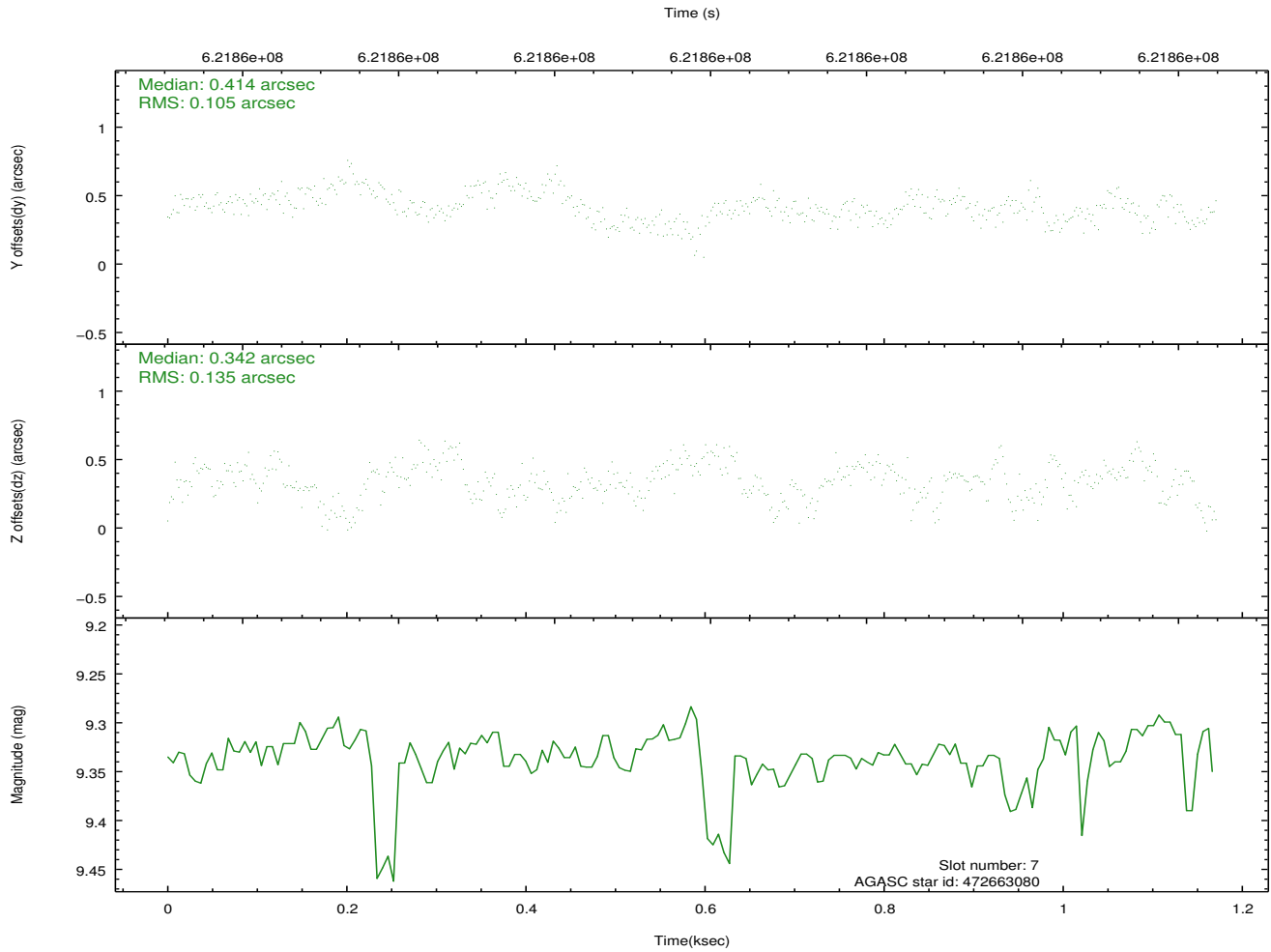
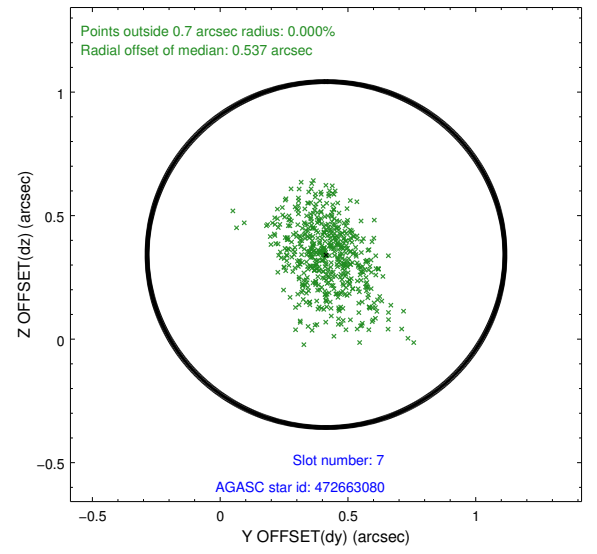
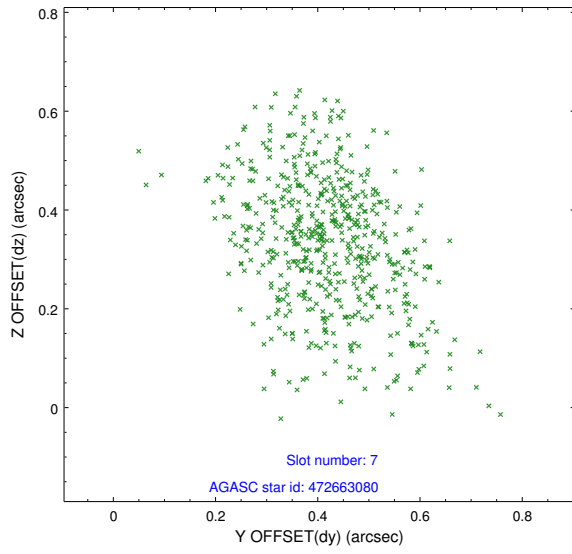
2.4.3 Slot 5



2.4.4 Slot 6

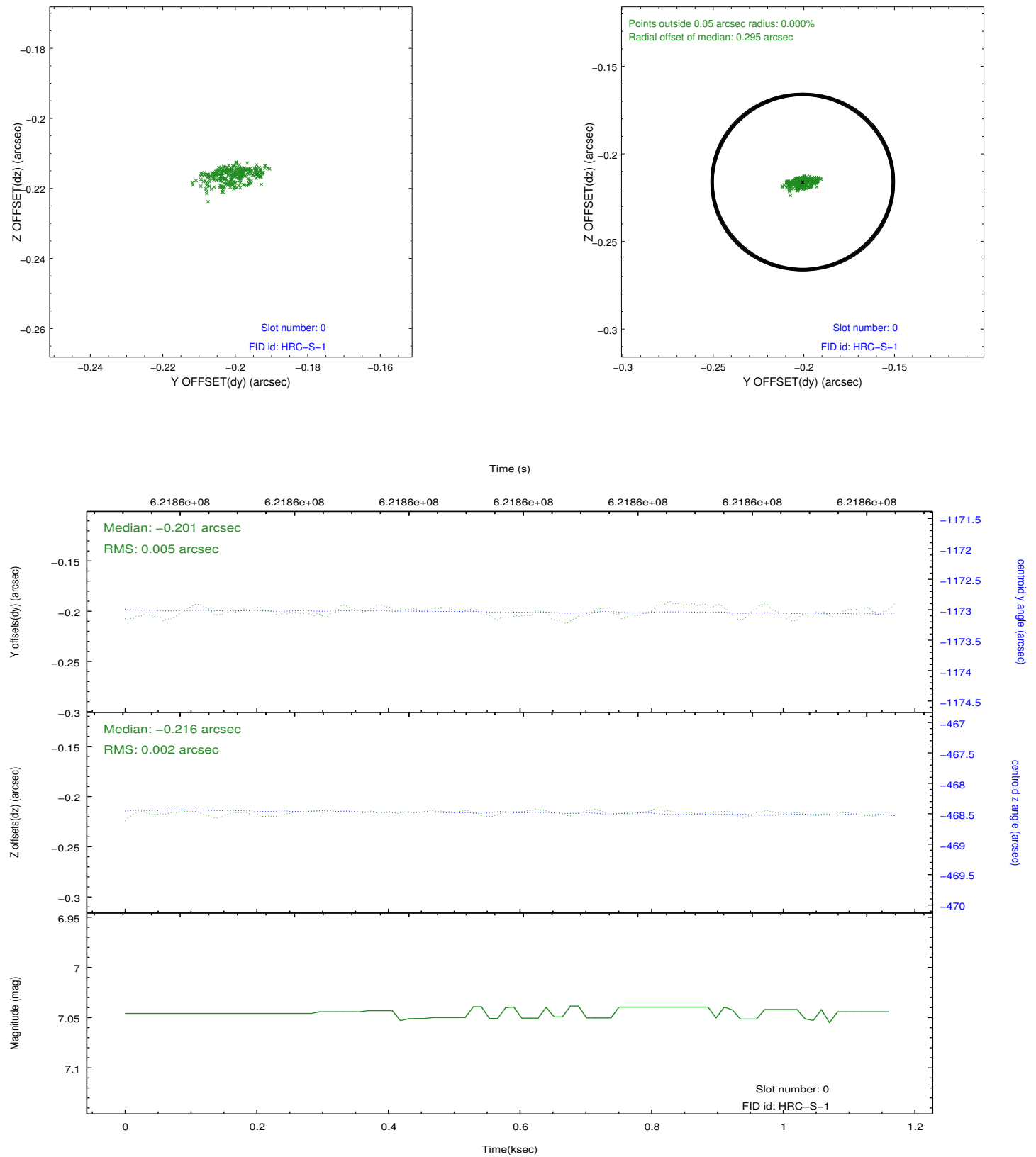


2.4.5 Slot 7

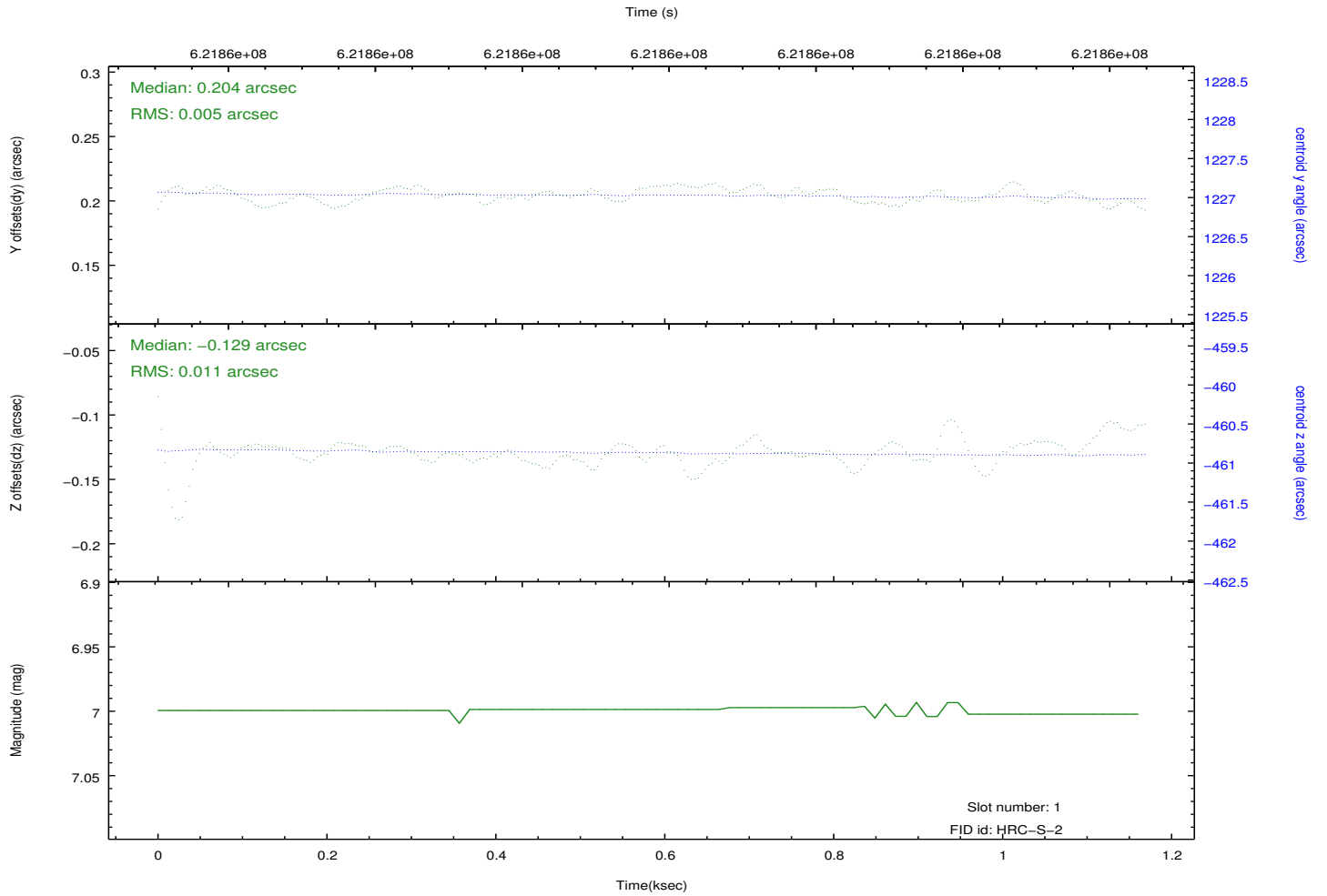
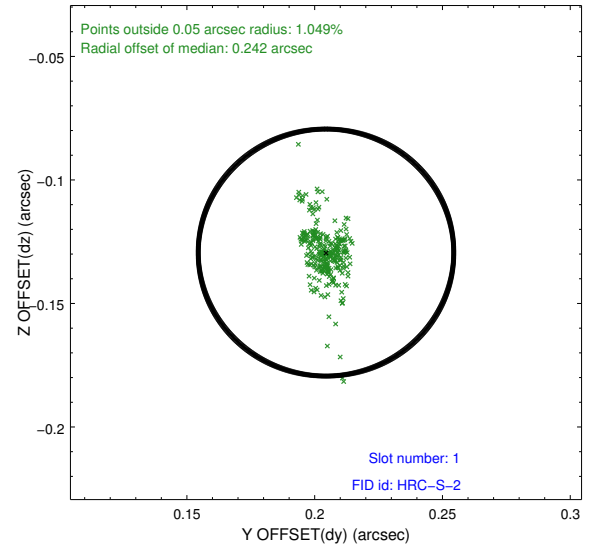
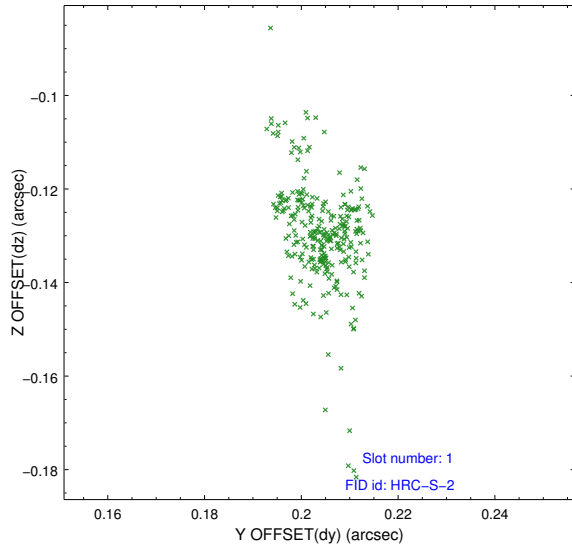


2.5 FID Slots

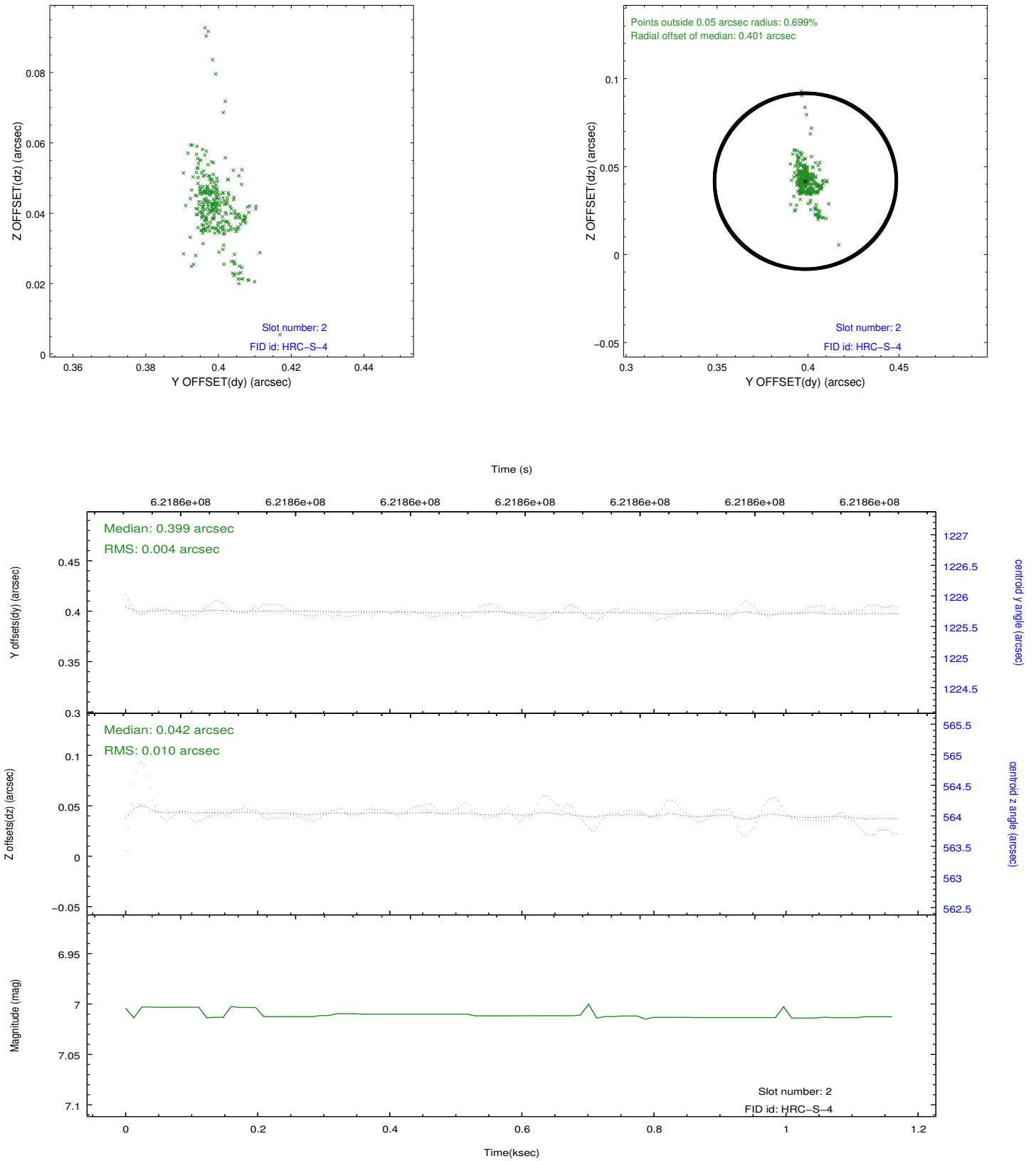
2.5.1 Slot 0



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)	2017.09.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.171575068593

A.2 Comments