

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19802 - L2 Version 1
Chandra X-Ray Center

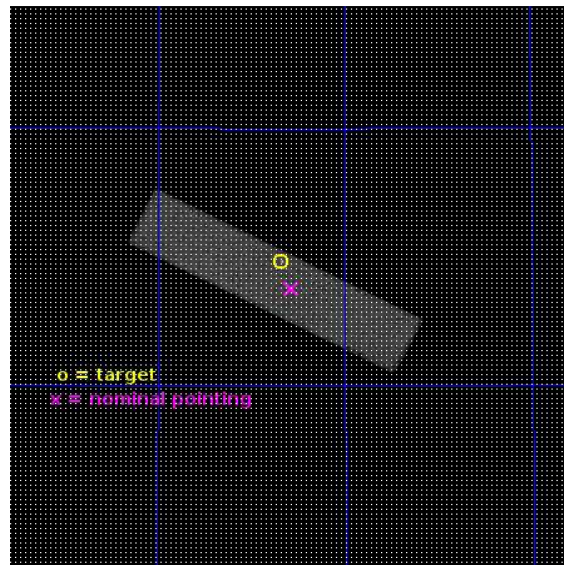
L2 Processing Date : Sep 15 2017

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1 Front

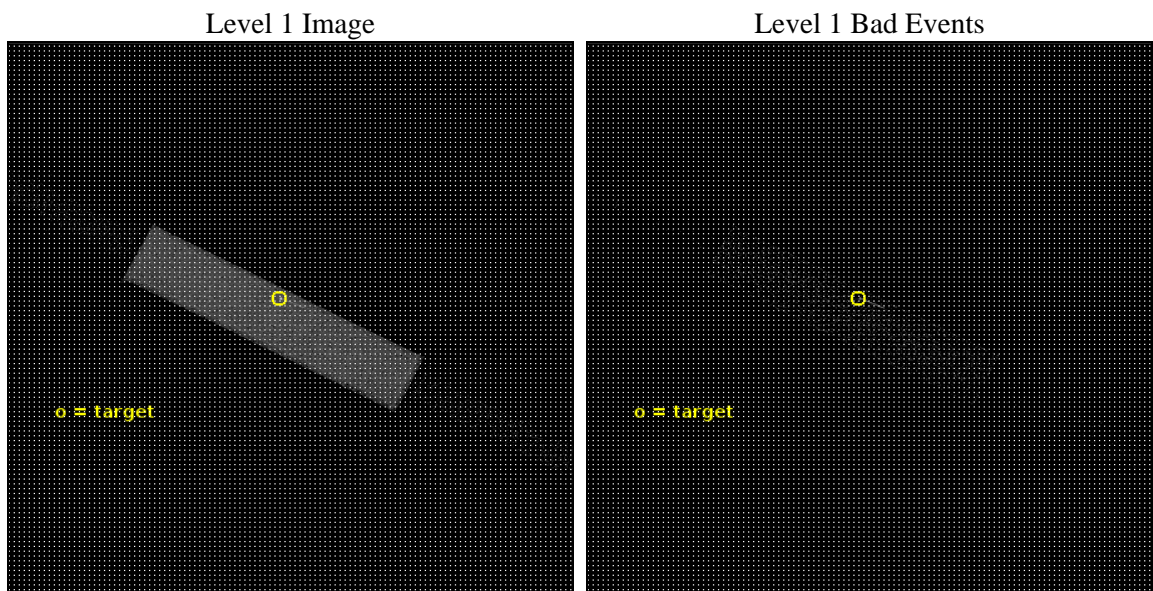
seq_num	291319	Sequence number
obs_id	19802	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.14311054715	Nominal RA [deg]
dec_nom	45.689006724357	Nominal Dec [deg]
roll_nom	206.96951622988	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1169.7813185453	[s]
livetime	1158.5465523141	Ontime multiplied by DTCOR
l2events	90893	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	1169.7813185453	[s]
caldbver	4.7.6	 	l1events	132772	Number of level 1 events
date	2017-09-15T14:46:34	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

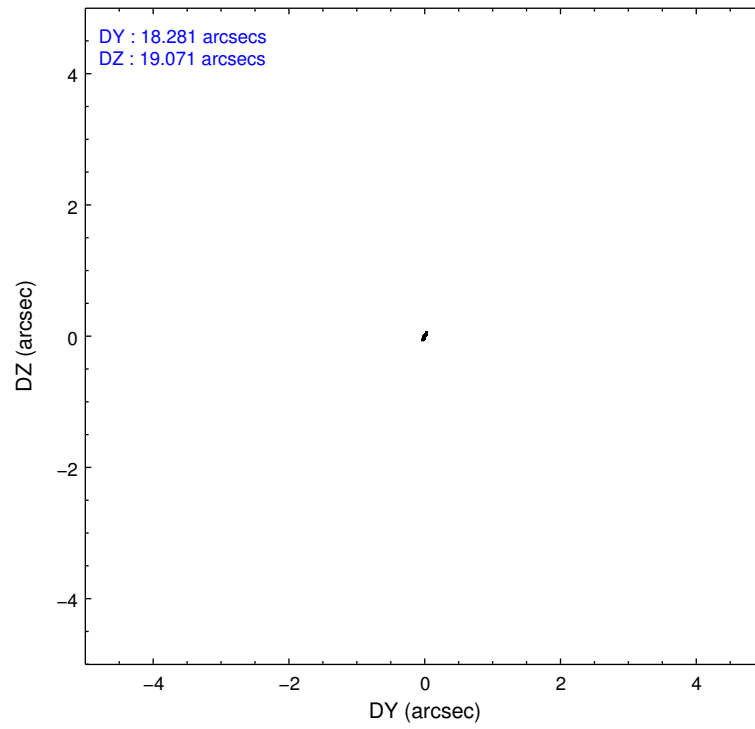
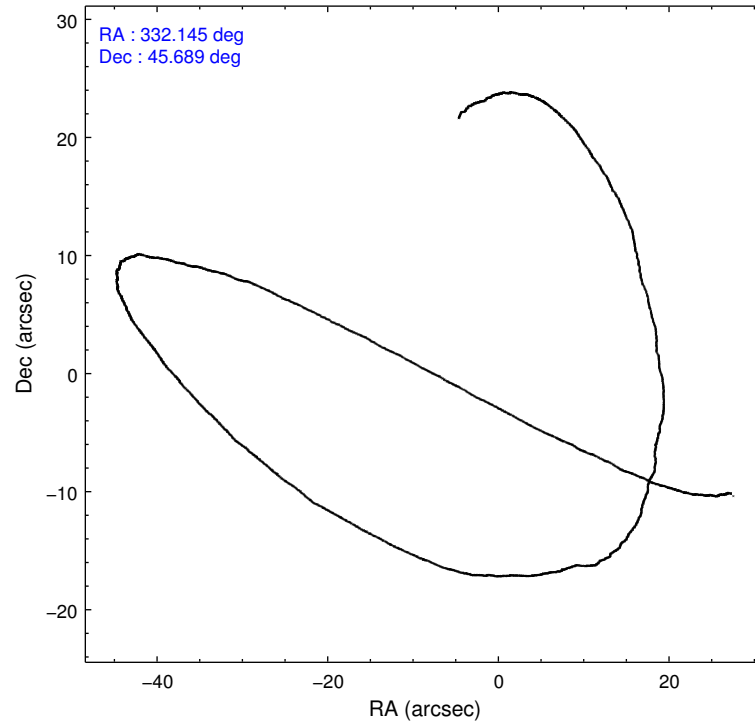
Level 1 Events

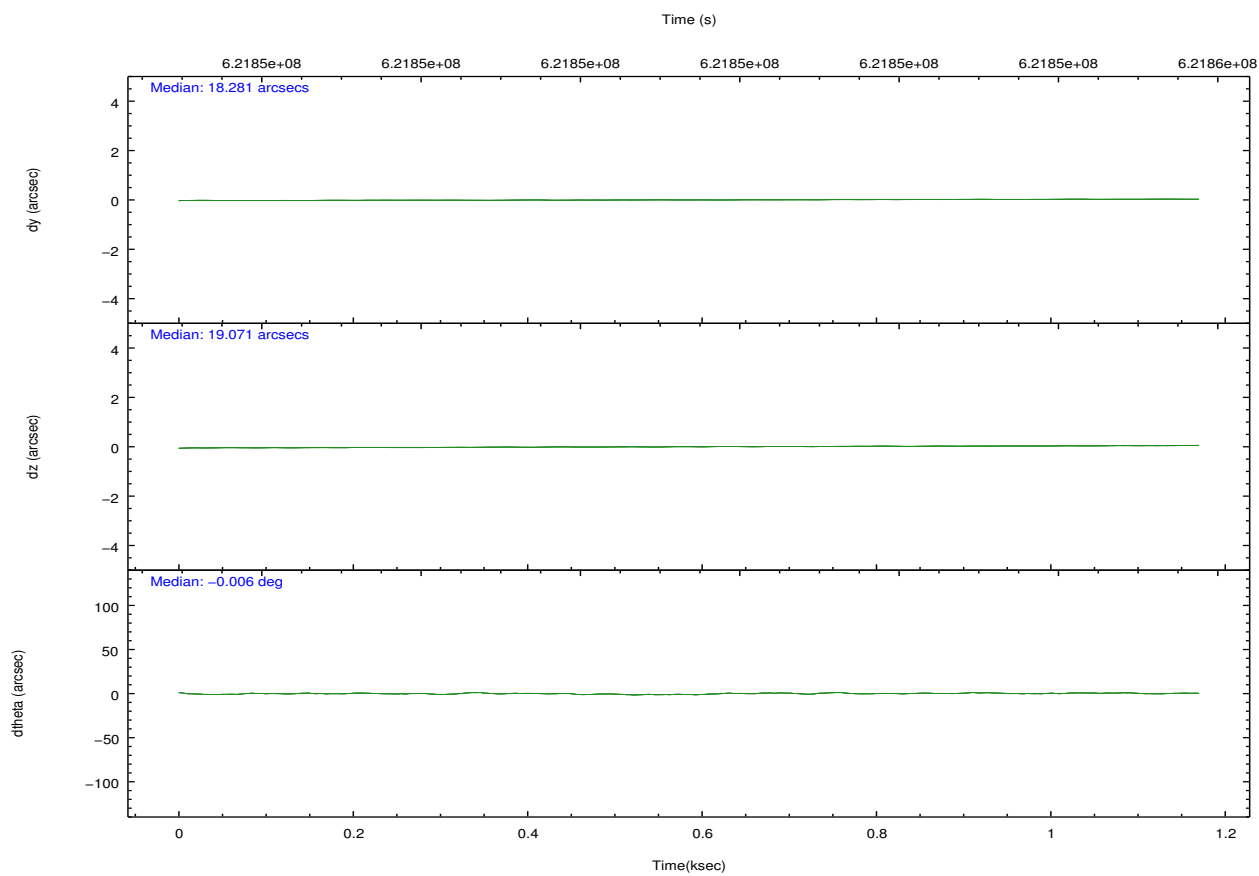
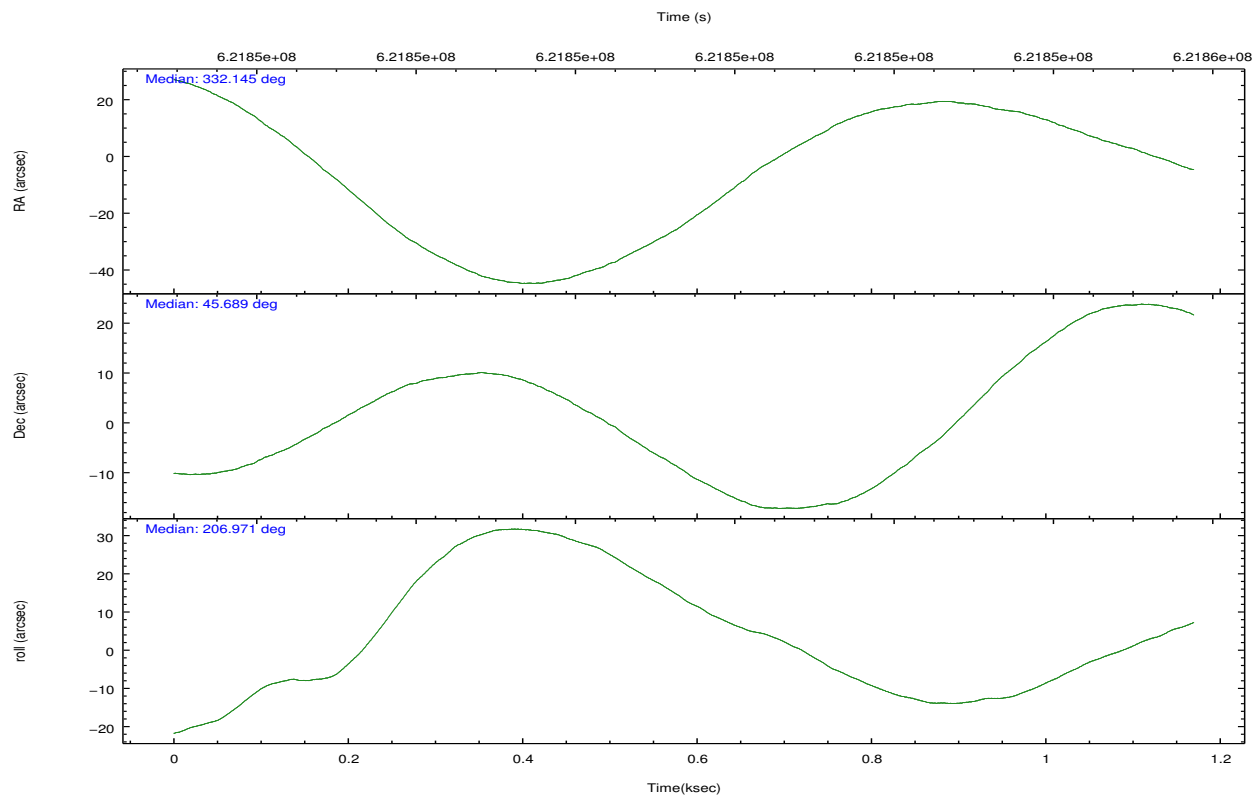
	segment 1	segment 2	segment 3
level 1 events	1374	130102	1296
rejected events	1374	26933	1296
rejected %	100%	20%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.163703	332.1431105471531			
[deg] Pointing Dec	45.713661	45.68900672435665			
[deg] Pointing Roll	206.887384	206.9695162298817			
[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)	621853942.184000	621853566.2316099			
Observation start date	2017-09-15T09:11:13	2017-09-15T09:06:06			
[s] Observation end time (MET)	621854942.184000	621855077.0817			
Observation end date	2017-09-15T09:27:53	2017-09-15T09:31:17			

2.3 Aspect



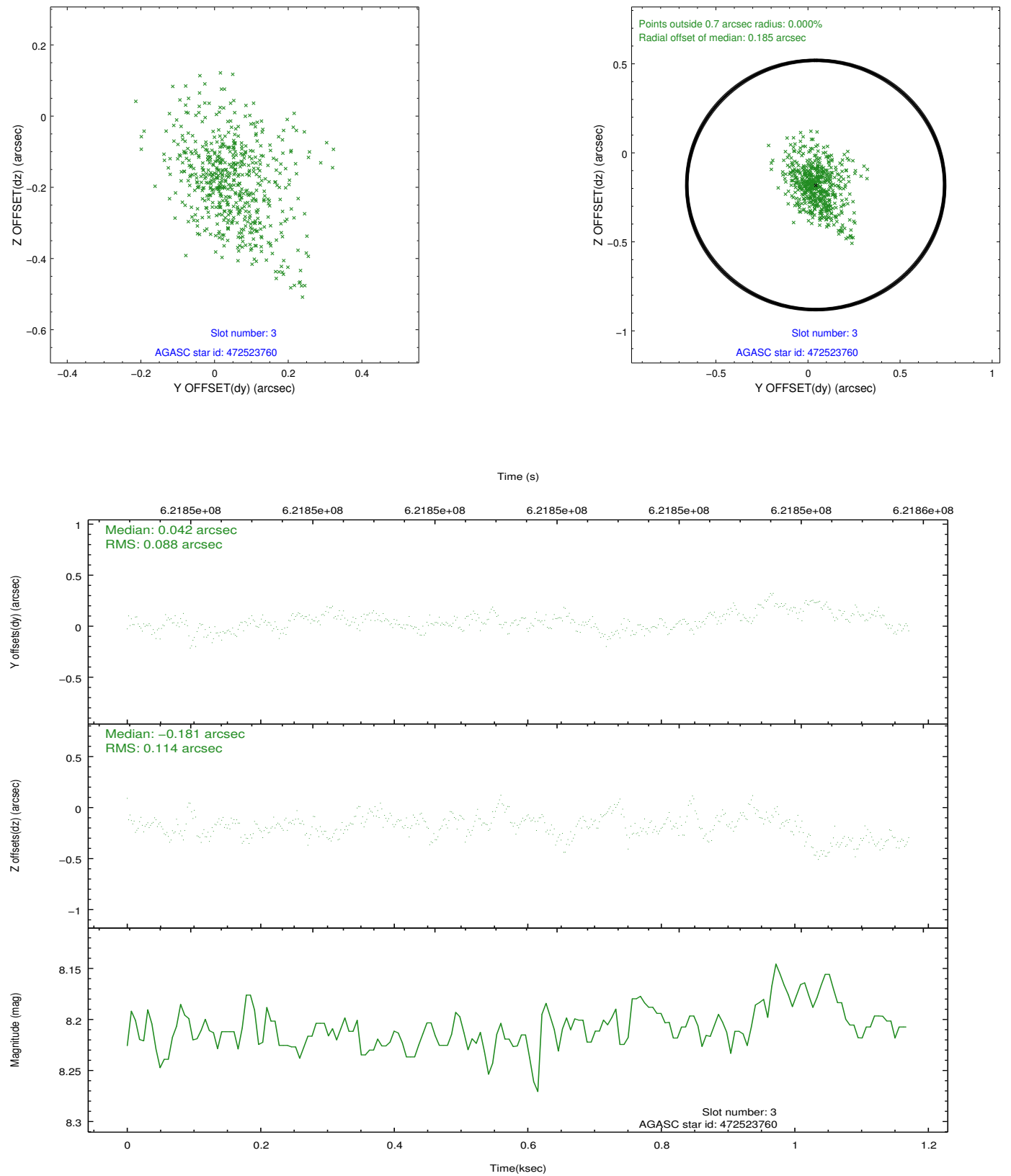


Slot Statistics

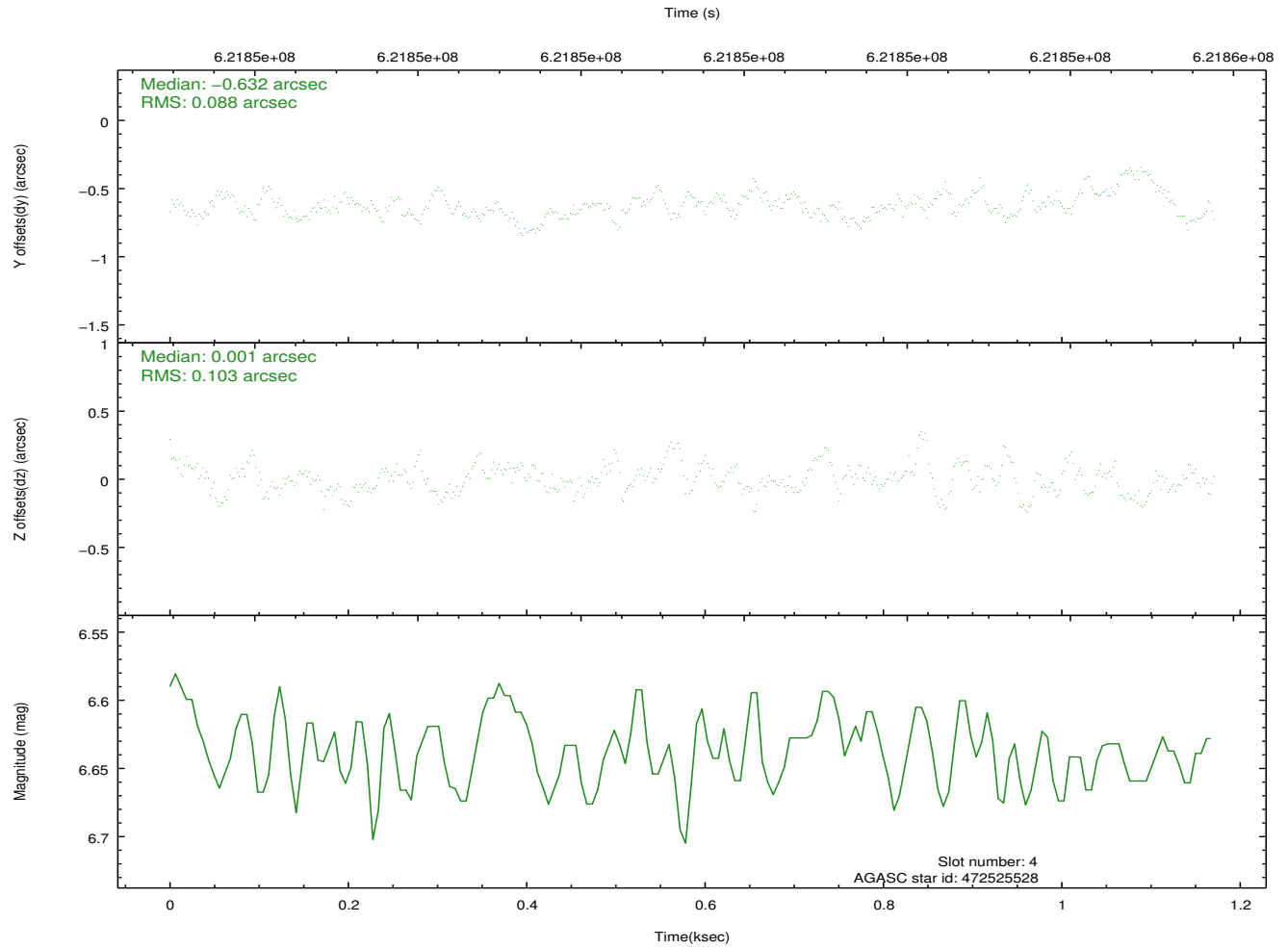
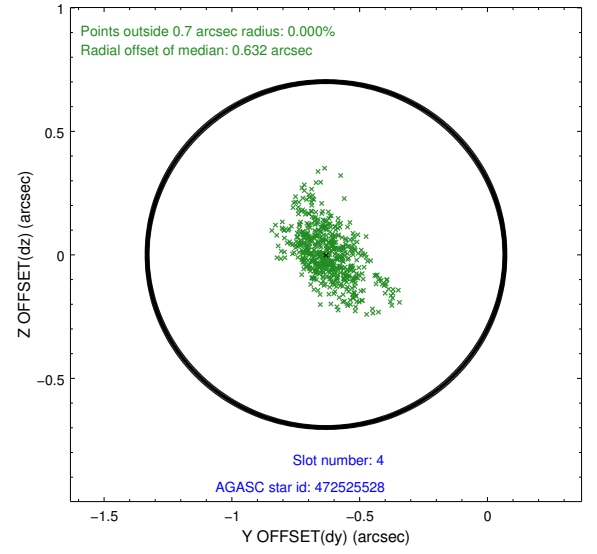
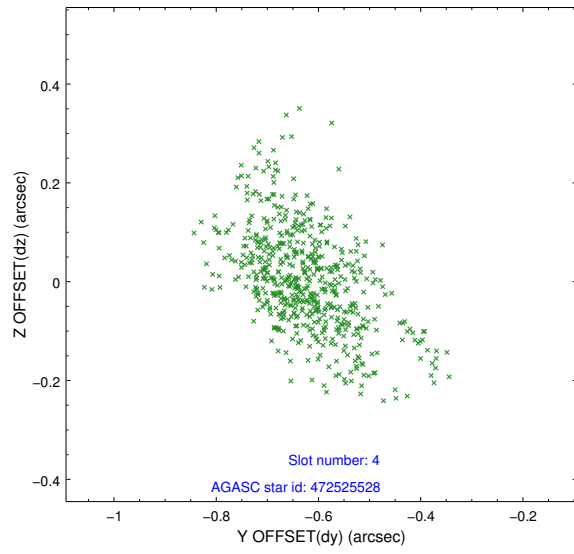
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.04	286	-0.055	-0.261	0.007	0.011	0.000000	0.000000	-1172.87	-468.20
1	FID		HRC-S-2	7.00	286	0.357	-0.118	0.005	0.009	0.000000	0.000000	1223.10	-462.23
2	FID		HRC-S-3	7.02	286	0.088	0.076	0.008	0.012	0.000000	0.000000	-1171.21	560.04
3	GUIDE	used	472523760	8.21	572	0.042	-0.181	0.149	0.270	331.645363	45.403260	1673.52	400.95
4	GUIDE	used	472525528	6.64	572	-0.632	0.001	0.134	0.258	331.551102	45.248694	2142.74	786.94
5	GUIDE	used	472655152	9.40	572	0.333	0.246	0.221	0.648	332.504239	45.862991	-1000.06	-92.30
6	GUIDE	used	420754040	9.02	572	-0.402	-0.398	0.185	0.306	331.917939	44.882543	1909.03	2384.78
7	GUIDE	used	472665256	8.96	571	0.681	0.309	0.164	0.276	332.808125	46.195041	-2213.66	-819.87

2.4 Star Slots

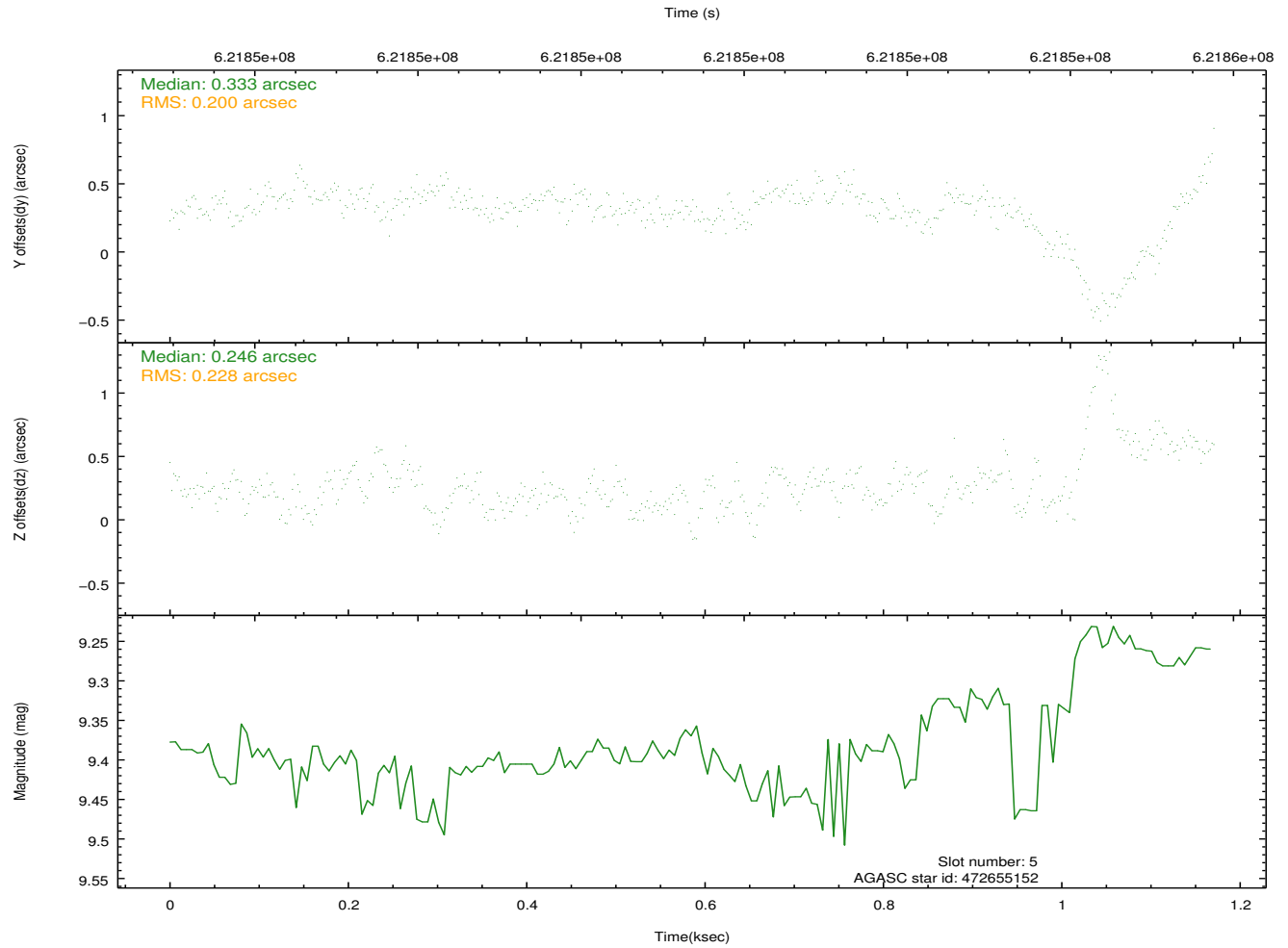
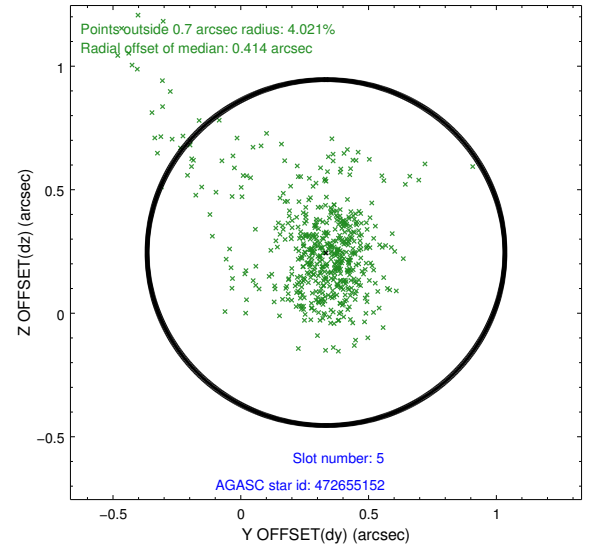
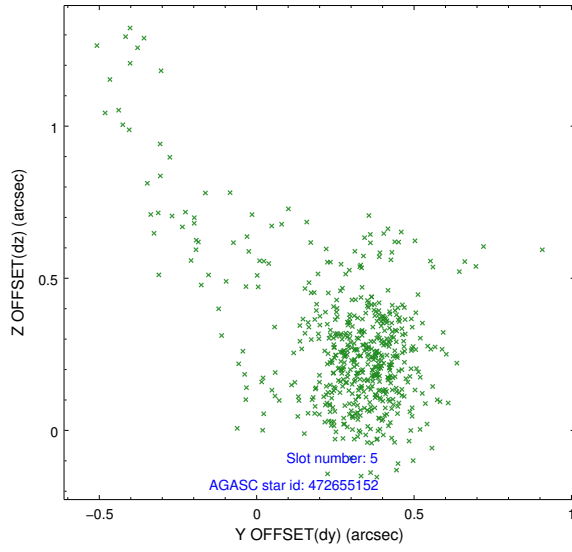
2.4.1 Slot 3



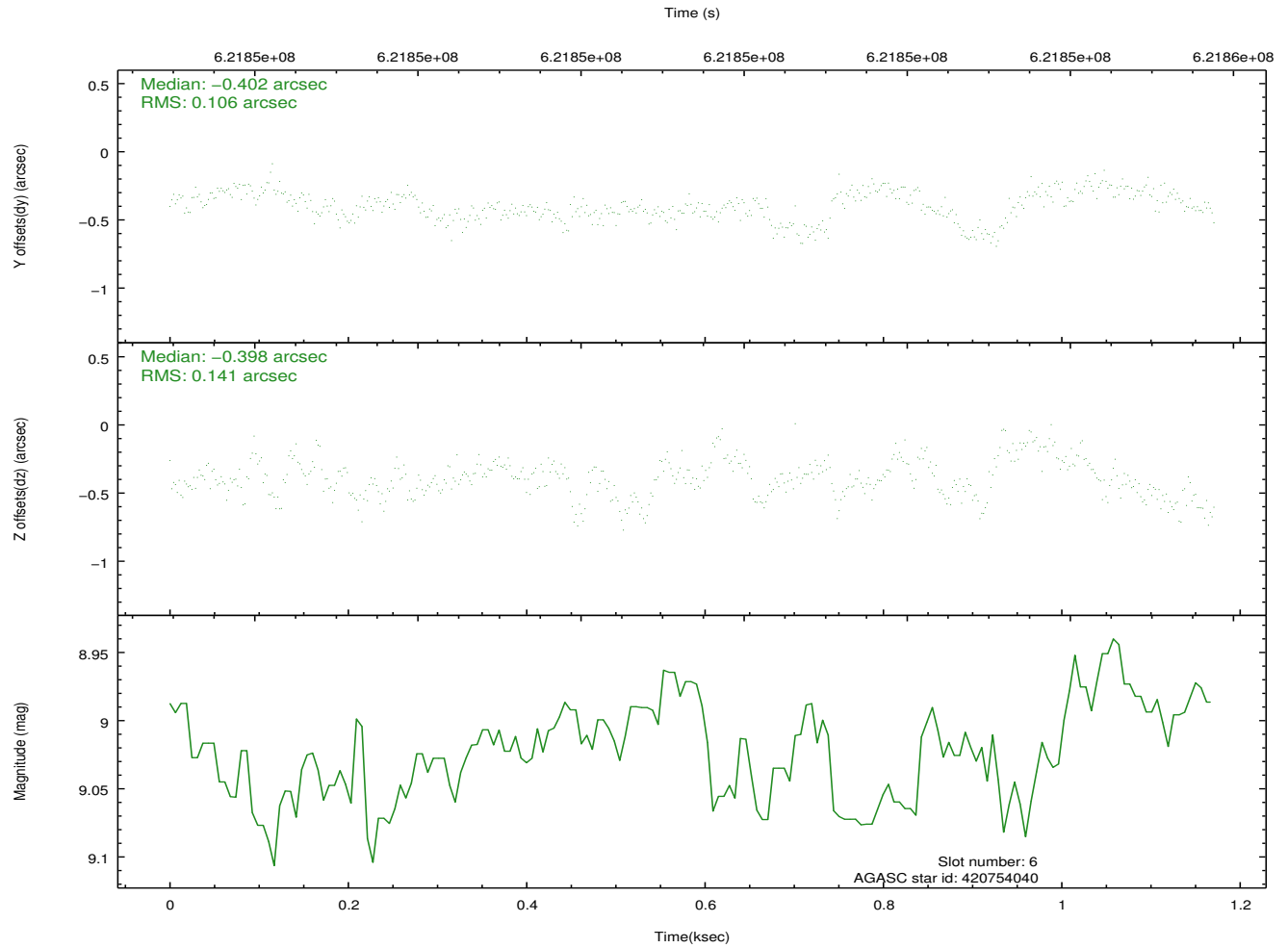
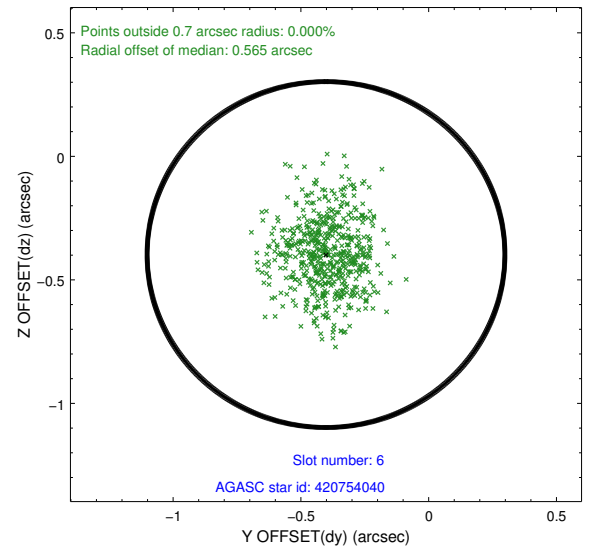
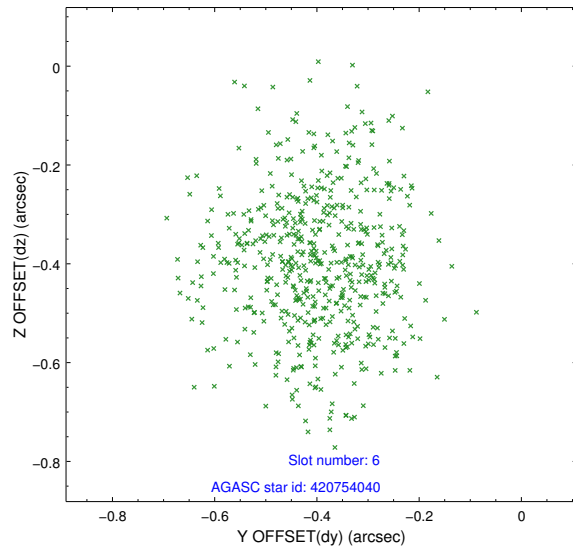
2.4.2 Slot 4



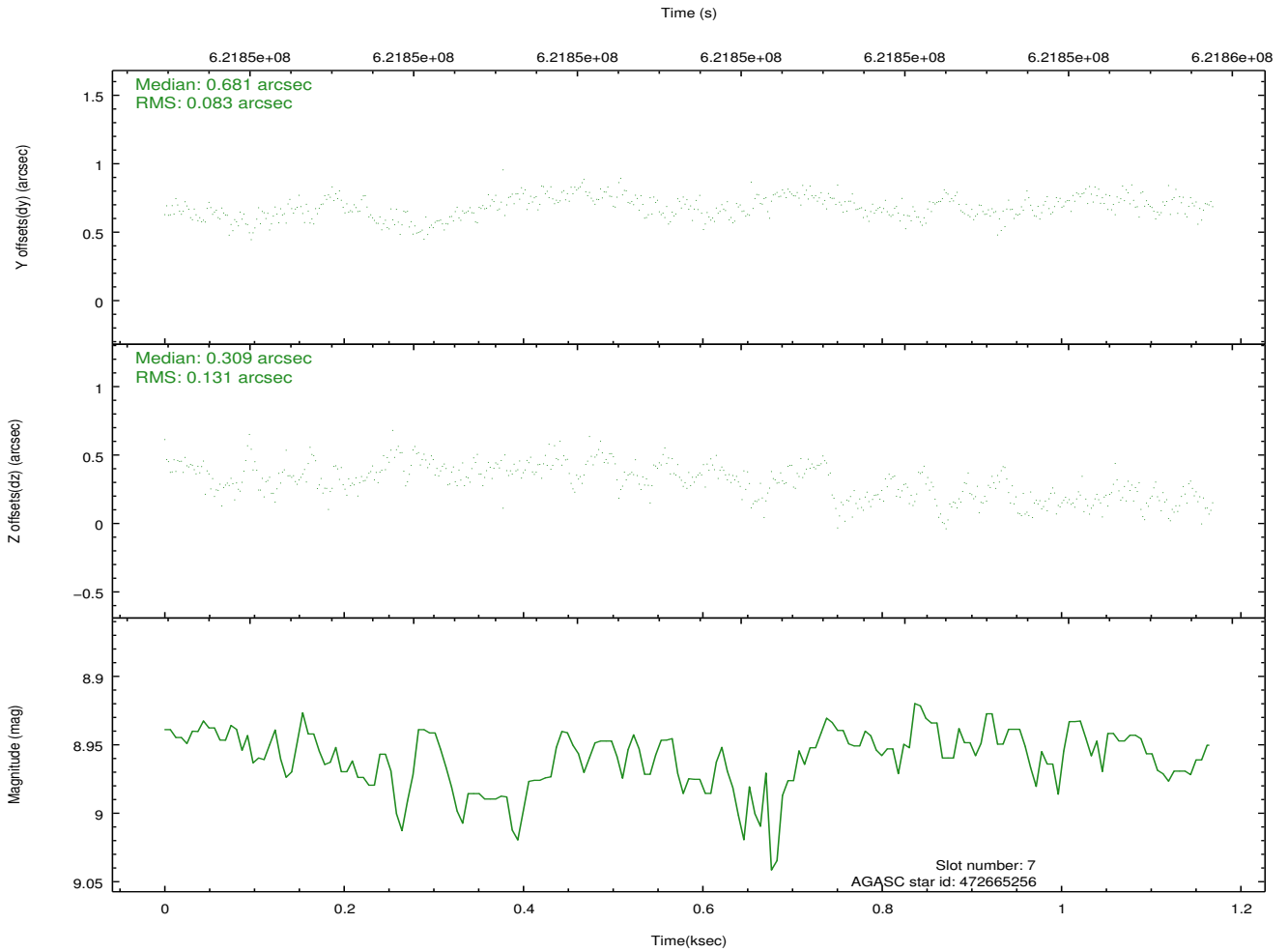
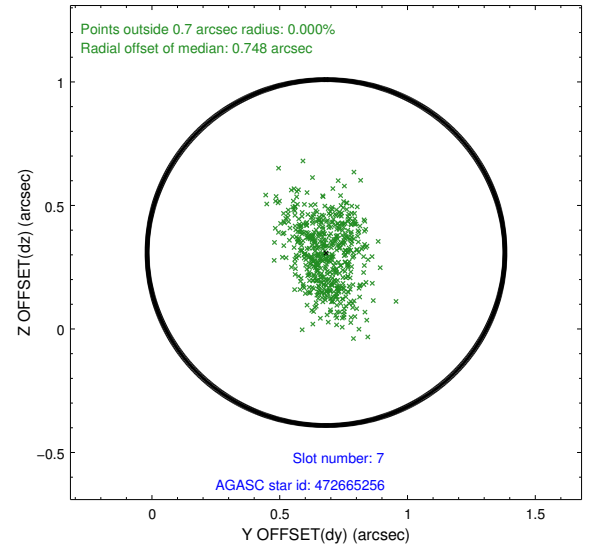
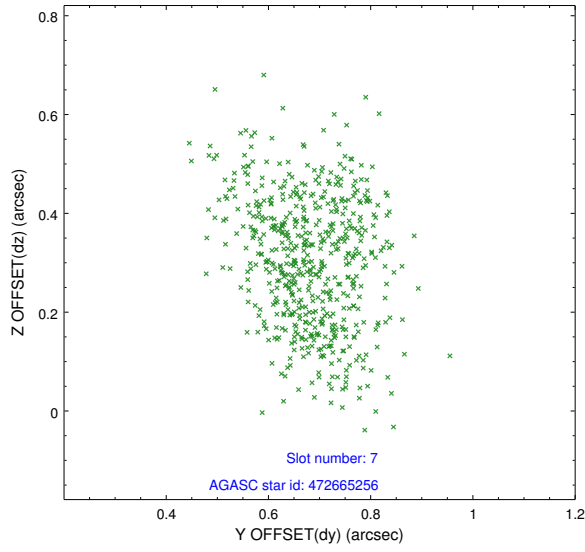
2.4.3 Slot 5



2.4.4 Slot 6

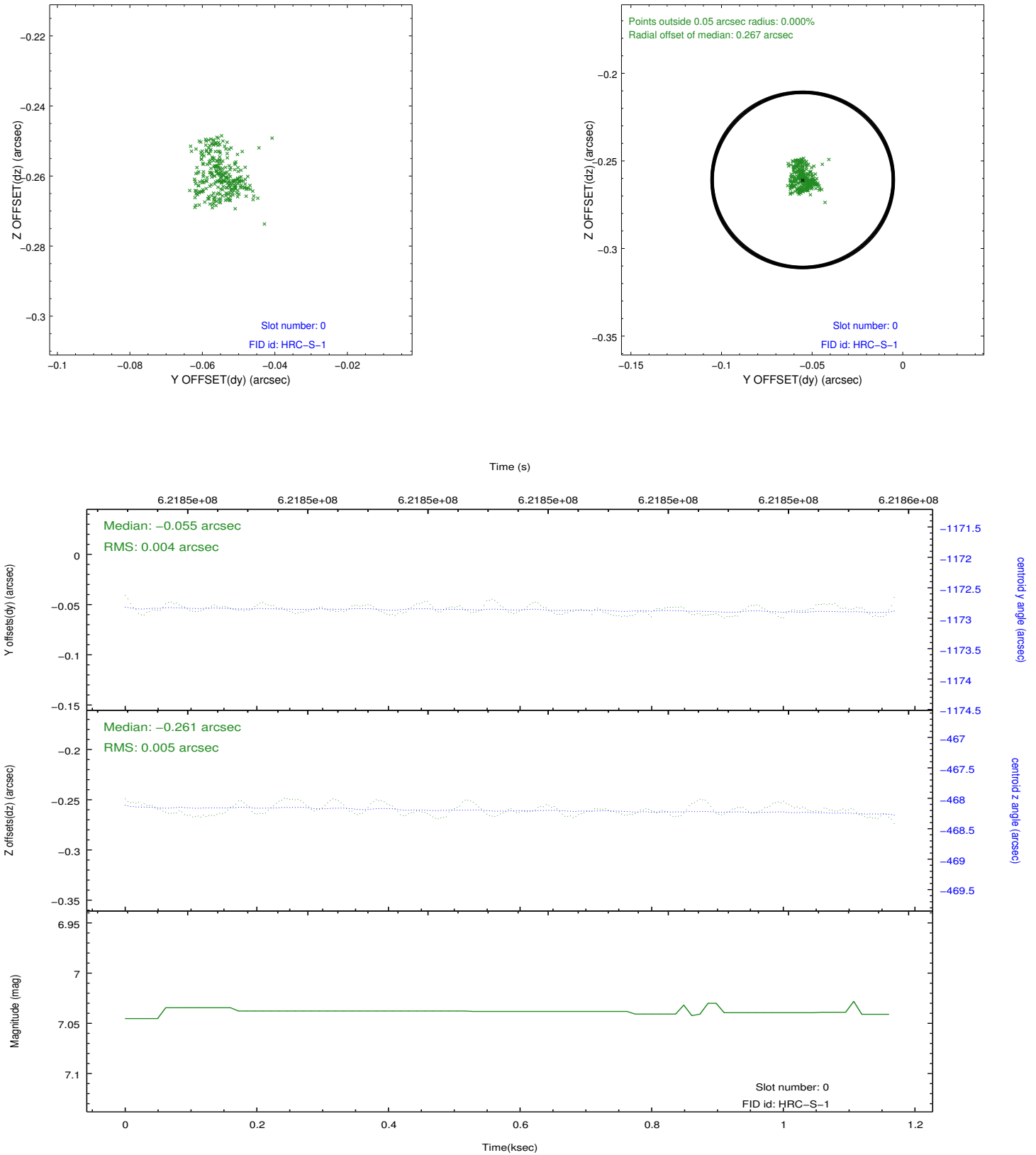


2.4.5 Slot 7

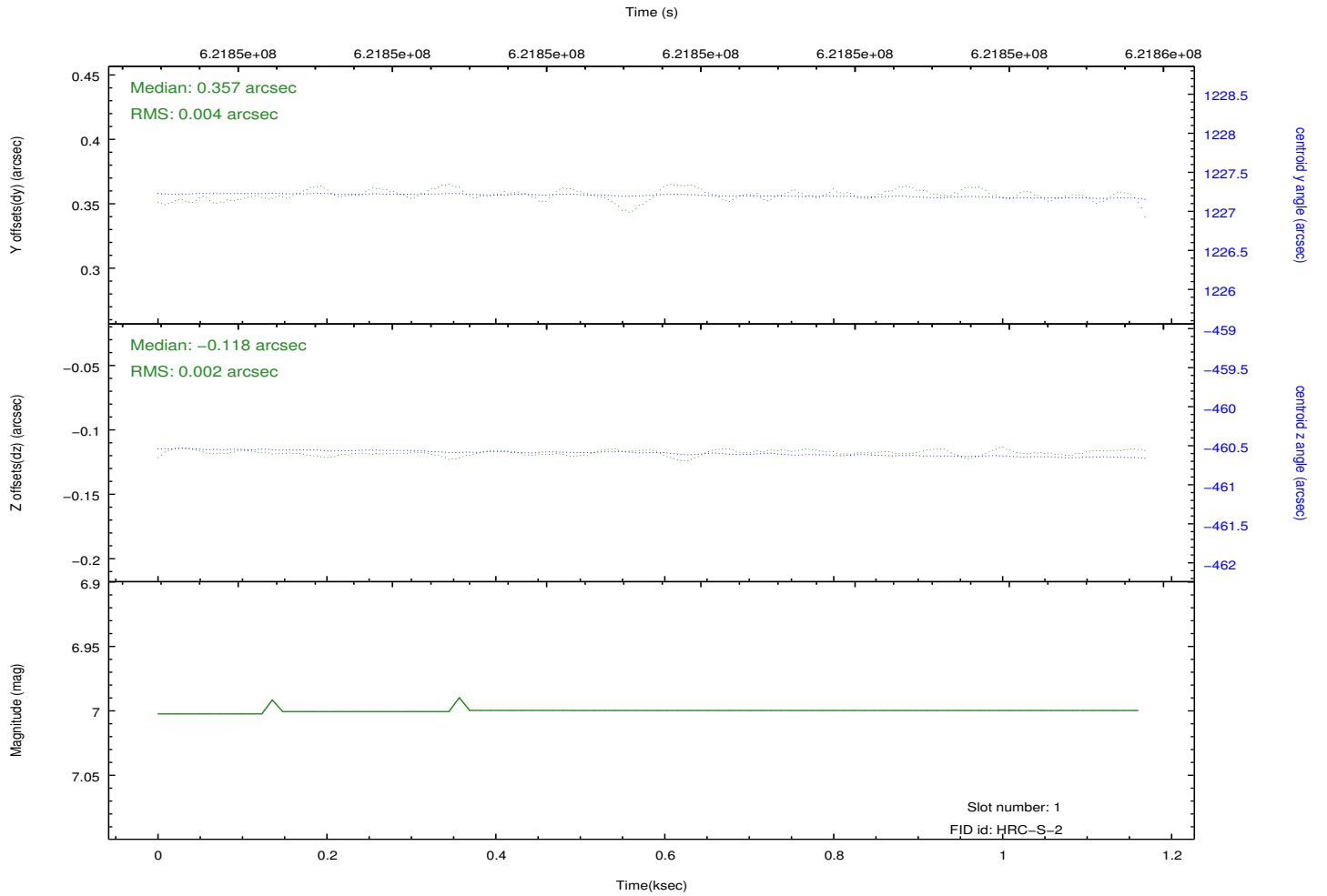
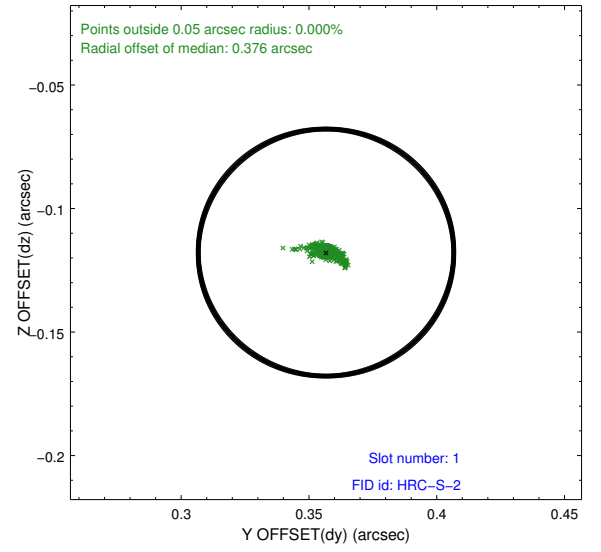
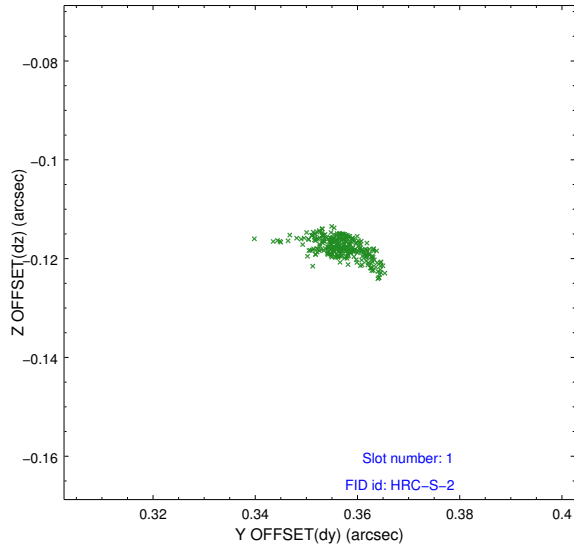


2.5 FID Slots

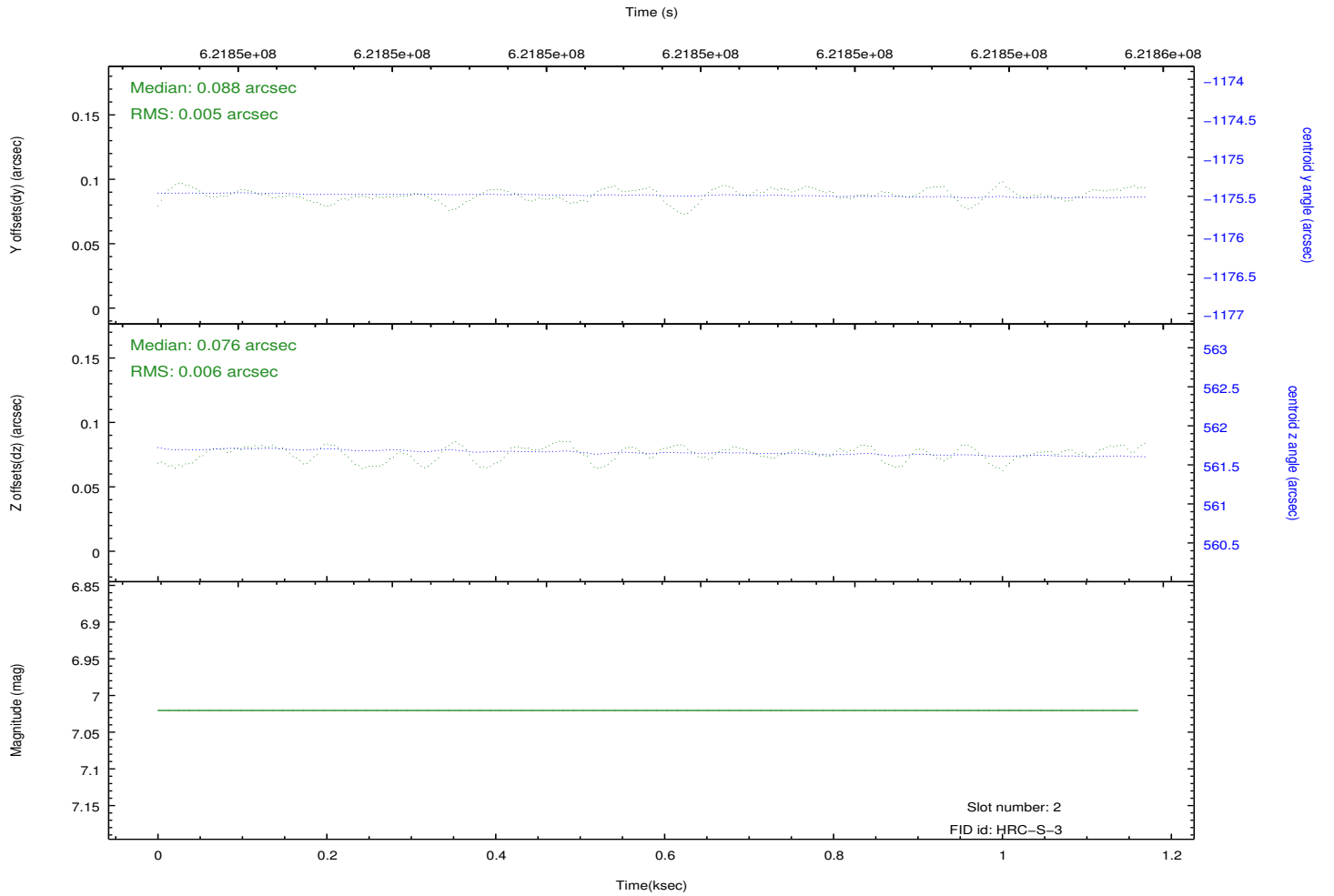
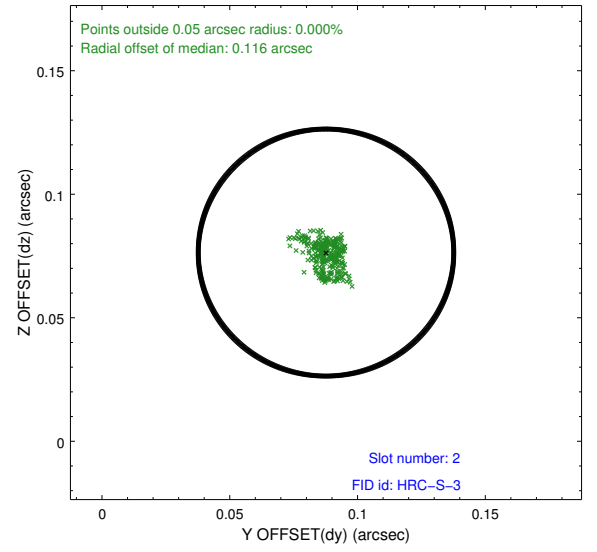
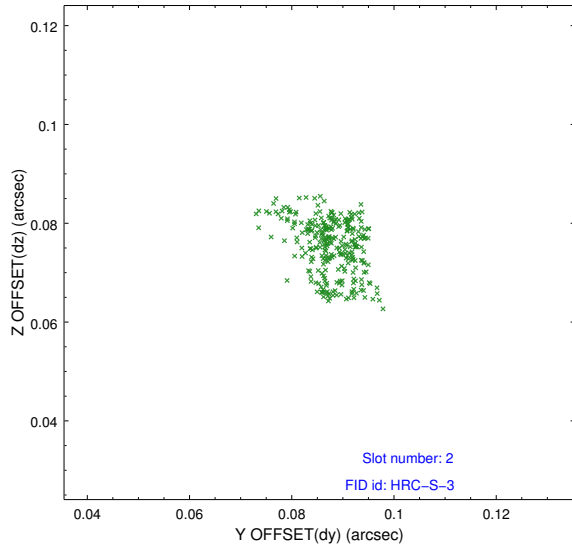
2.5.1 Slot 0



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	1.1697813185453

A.2 Comments