

V&V Reference Report

L2 ASCDS Version : 10.6

Observation 19813 - L2 Version 1
Chandra X-Ray Center

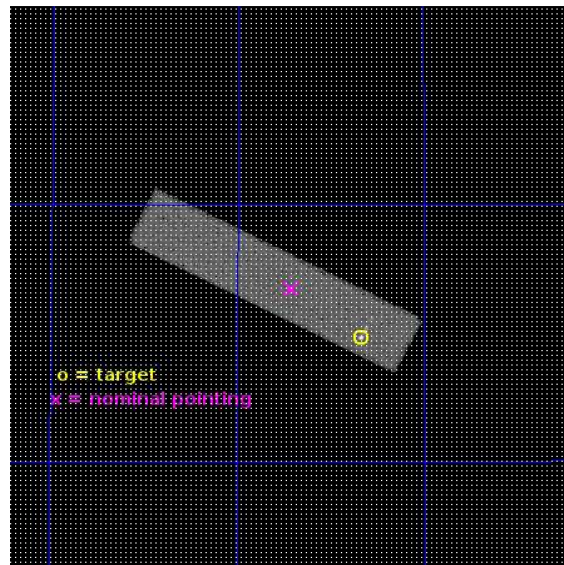
L2 Processing Date : Sep 16 2017

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1 Front

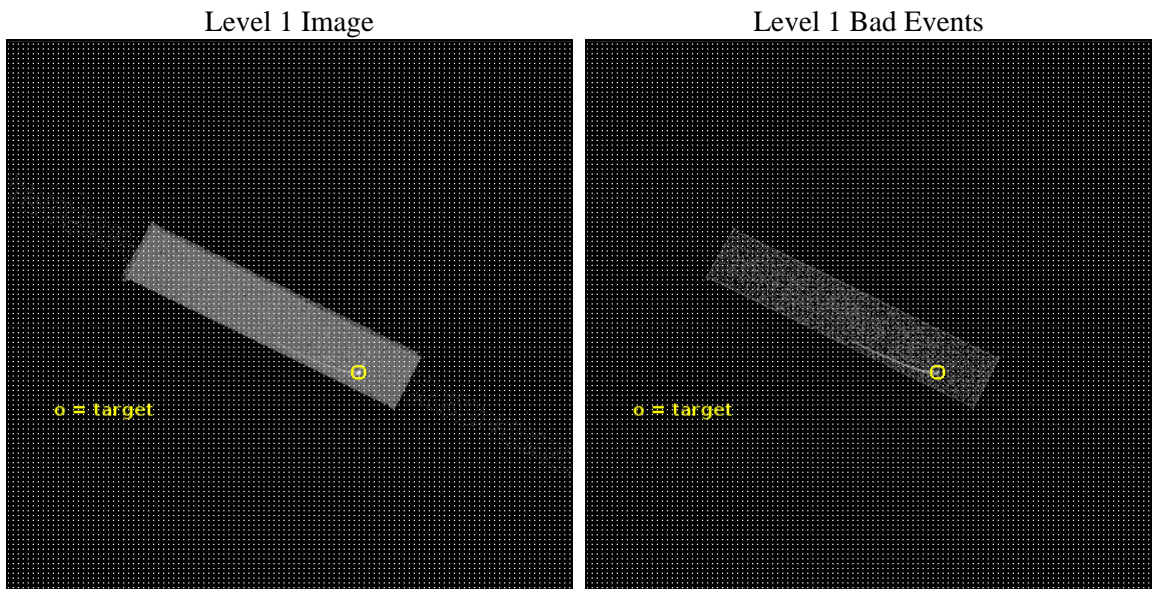
seq_num	291330	Sequence number
obs_id	19813	Observation id
title	AO-18 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.35525697079	Nominal RA [deg]
dec_nom	45.837442509595	Nominal Dec [deg]
roll_nom	206.90398351594	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1180.0313190222	[s]
livetime	1170.0434728501	Ontime multiplied by DTCOR
l2events	78928	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	1180.0313190222	[s]
caldbver	4.7.6	 	l1events	137030	Number of level 1 events
date	2017-09-16T05:04:07	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

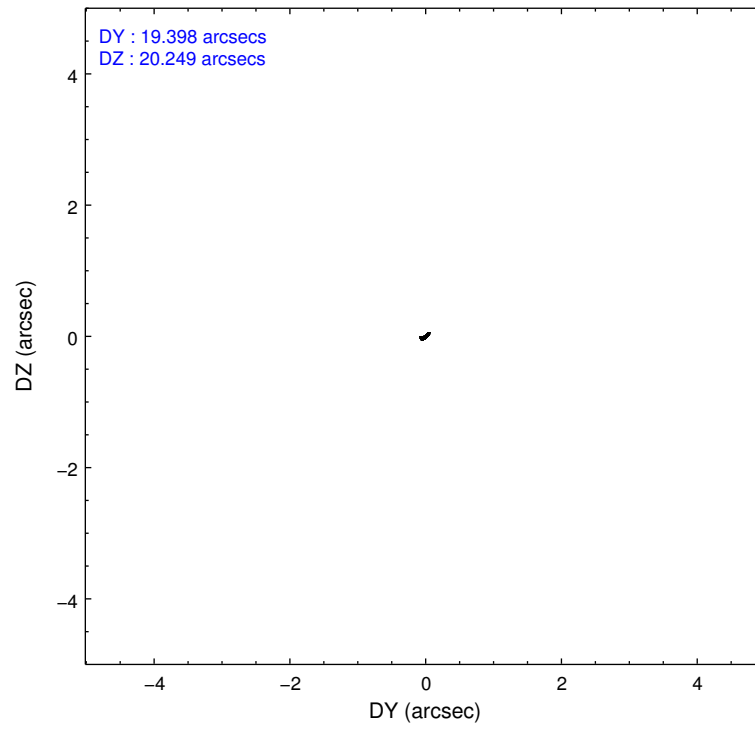
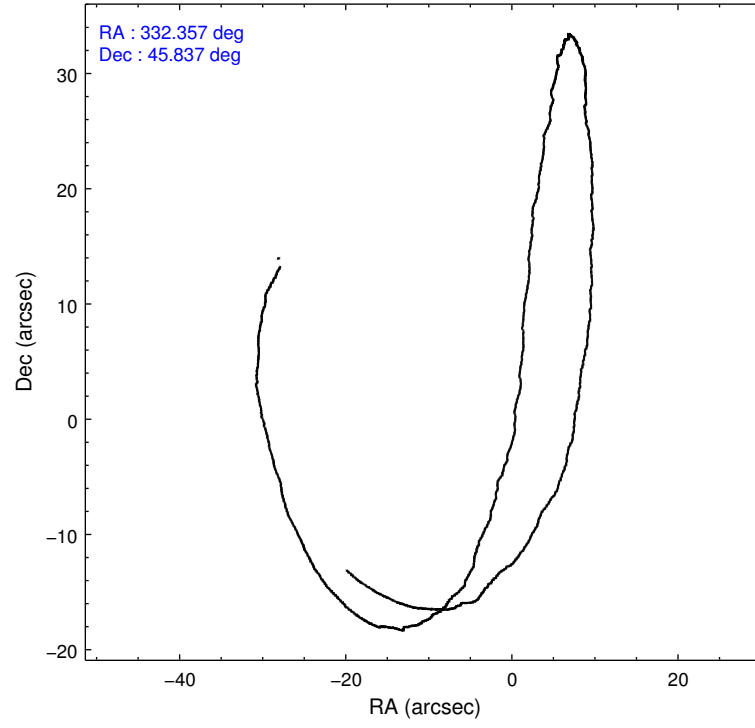
Level 1 Events

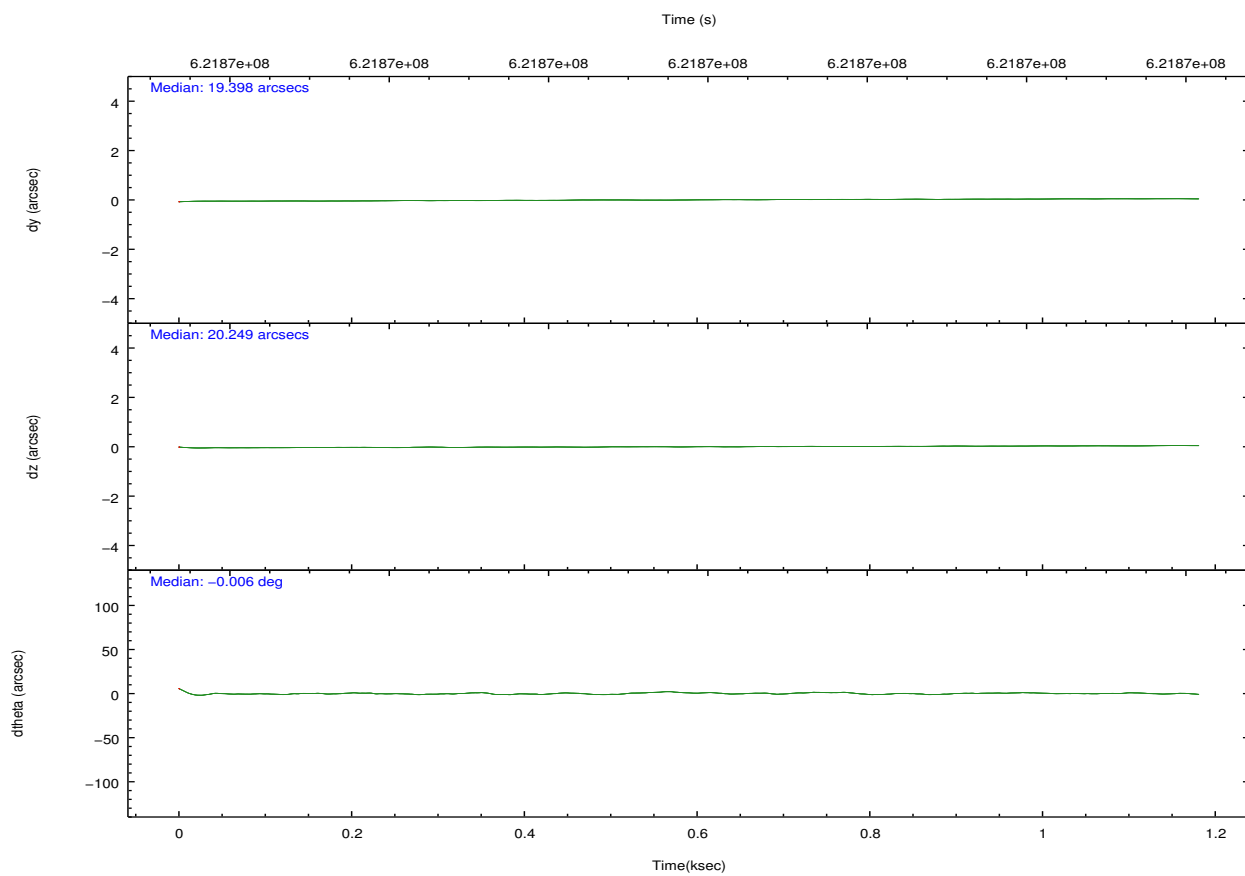
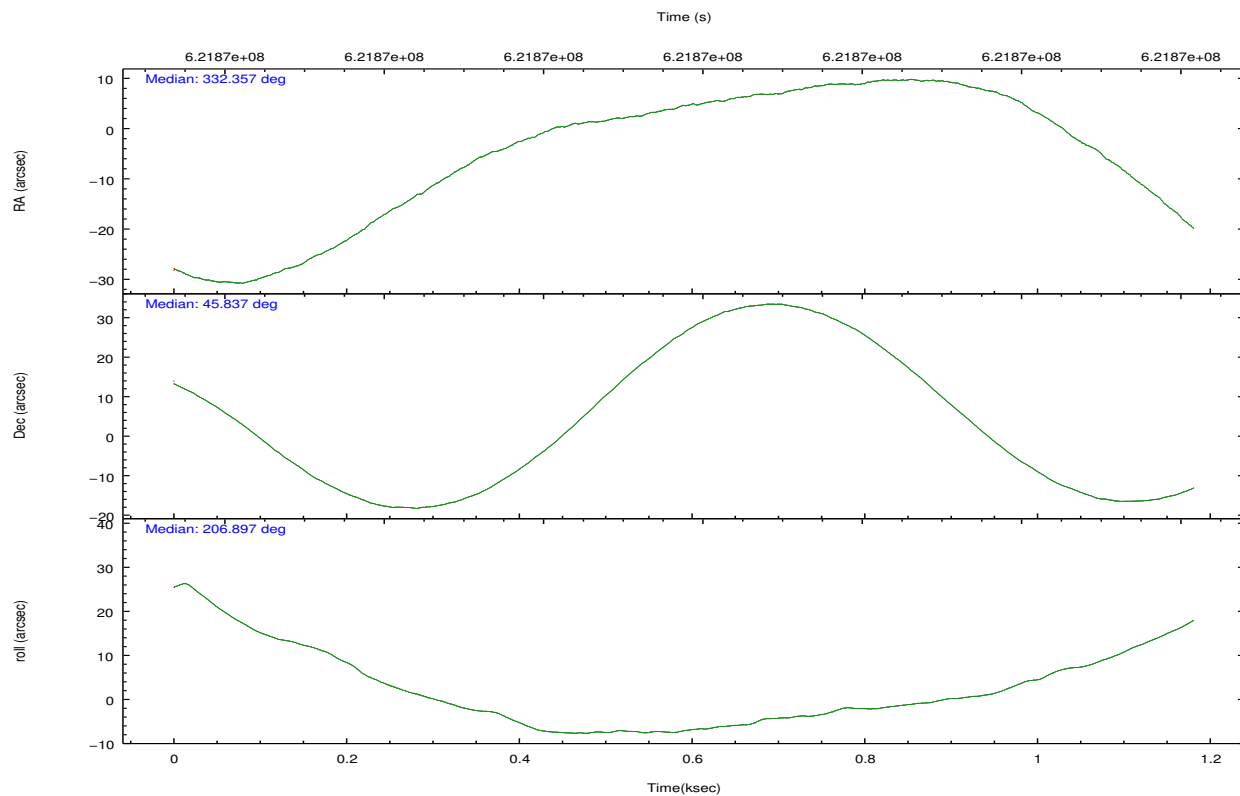
	segment 1	segment 2	segment 3
level 1 events	1126	134880	1024
rejected events	1126	43648	1024
rejected %	100%	32%	100%

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	332.376009	332.3552569707871			
[deg] Pointing Dec	45.863317	45.83744250959511			
[deg] Pointing Roll	206.821626	206.9039835159352			
[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)	621870552.184000	621870176.3575799			
Observation start date	2017-09-15T13:48:03	2017-09-15T13:42:56			
[s] Observation end time (MET)	621871552.184000	621871907.58268			
Observation end date	2017-09-15T14:04:43	2017-09-15T14:11:47			

2.3 Aspect



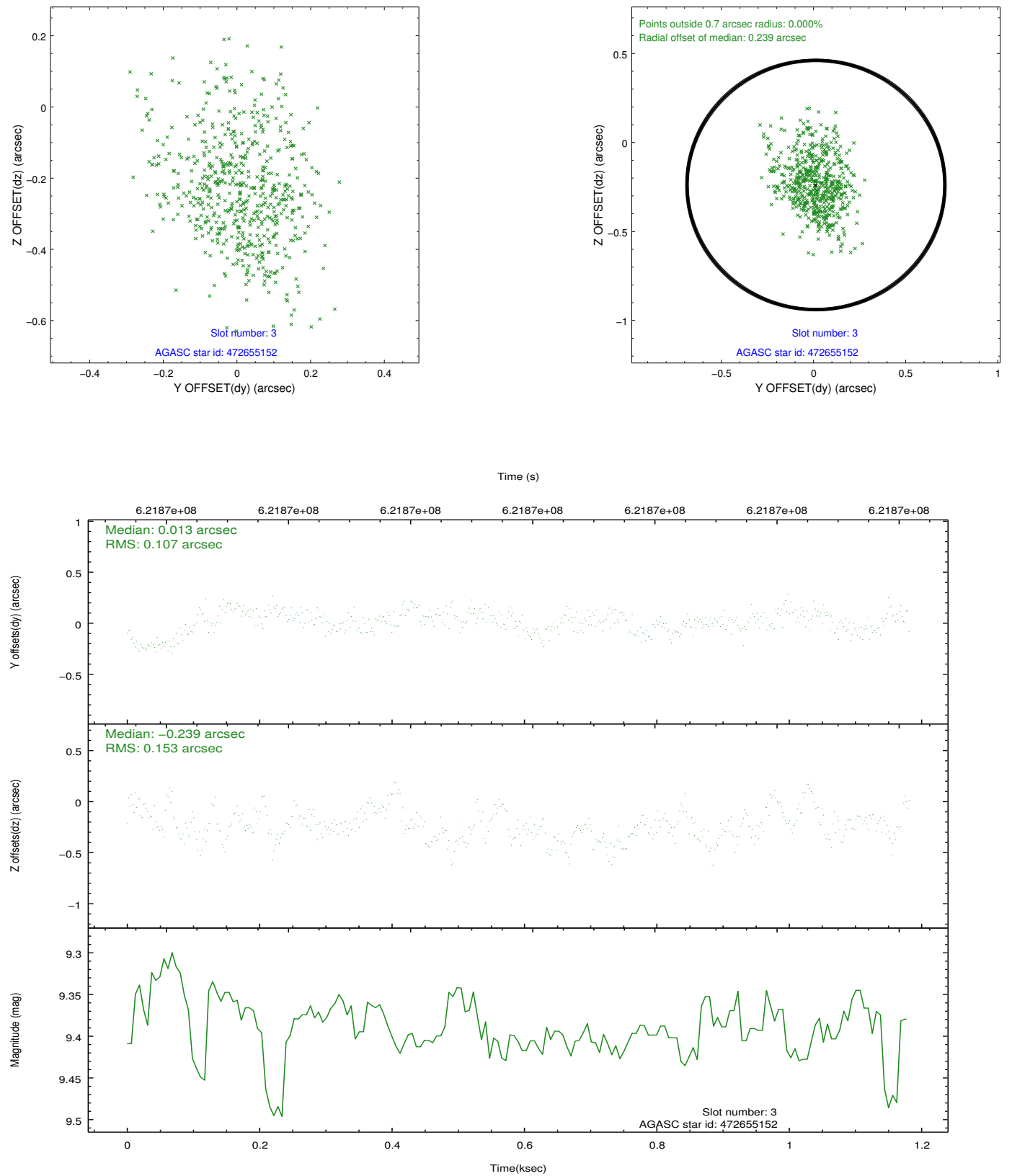


Slot Statistics

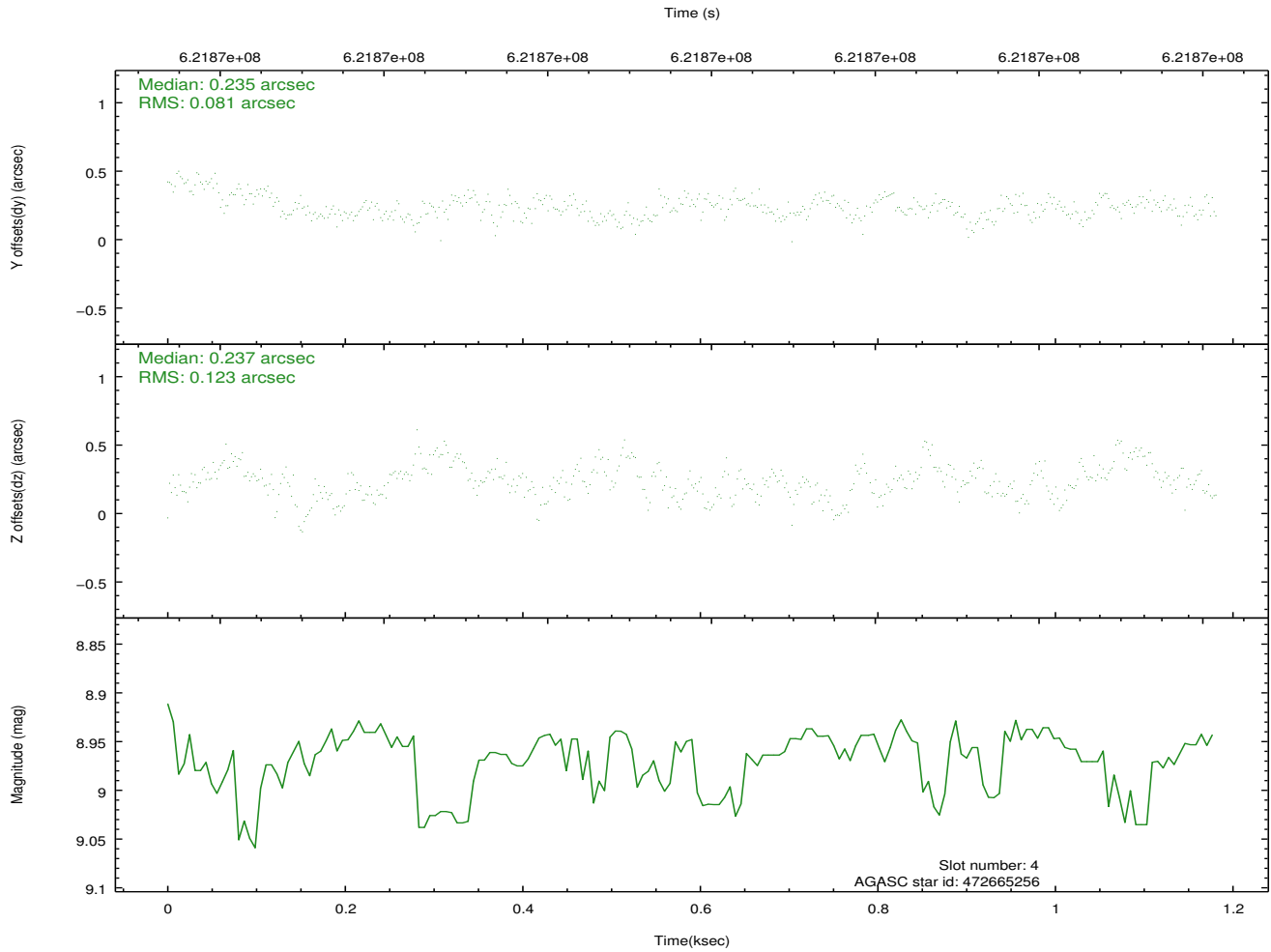
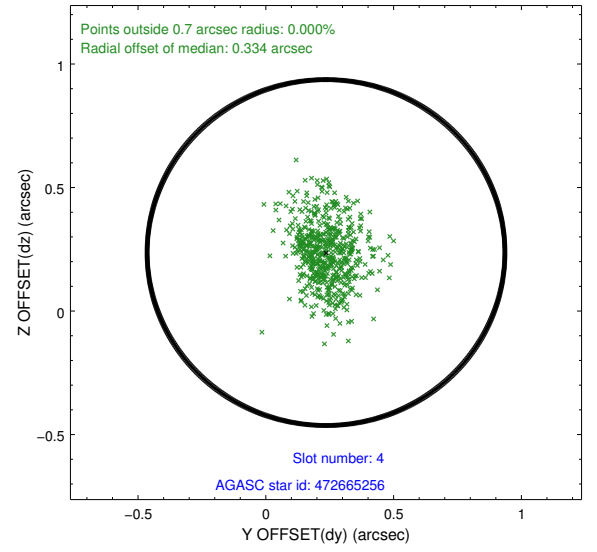
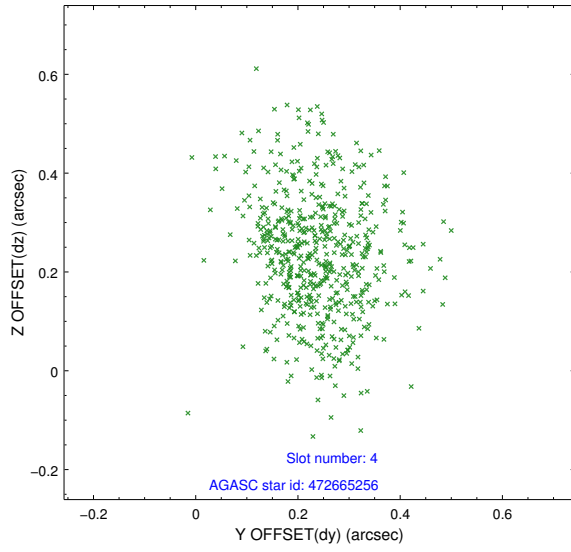
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-2	7.01	289	0.180	-0.272	0.010	0.018	0.000000	0.000000	1225.89	-461.96
1	FID		HRC-S-3	7.03	288	-0.077	-0.079	0.006	0.014	0.000000	0.000000	-1172.54	558.67
2	FID		HRC-S-4	7.00	289	0.302	0.056	0.011	0.020	0.000000	0.000000	1220.48	565.03
3	GUIDE	used	472655152	9.39	577	0.013	-0.239	0.195	0.335	332.504239	45.862991	-287.13	142.82
4	GUIDE	used	472665256	8.96	576	0.235	0.237	0.156	0.264	332.808125	46.195041	-1501.98	-585.17
5	GUIDE	used	472535576	7.84	577	-0.020	0.176	0.130	0.220	331.438373	46.291802	1376.29	-2444.99
6	GUIDE	used	472523760	8.23	577	-0.387	-0.298	0.125	0.203	331.645363	45.403260	2393.12	629.94
7	GUIDE	used	472533912	9.12	576	0.165	0.098	0.245	0.389	331.791136	46.368695	477.19	-2285.67

2.4 Star Slots

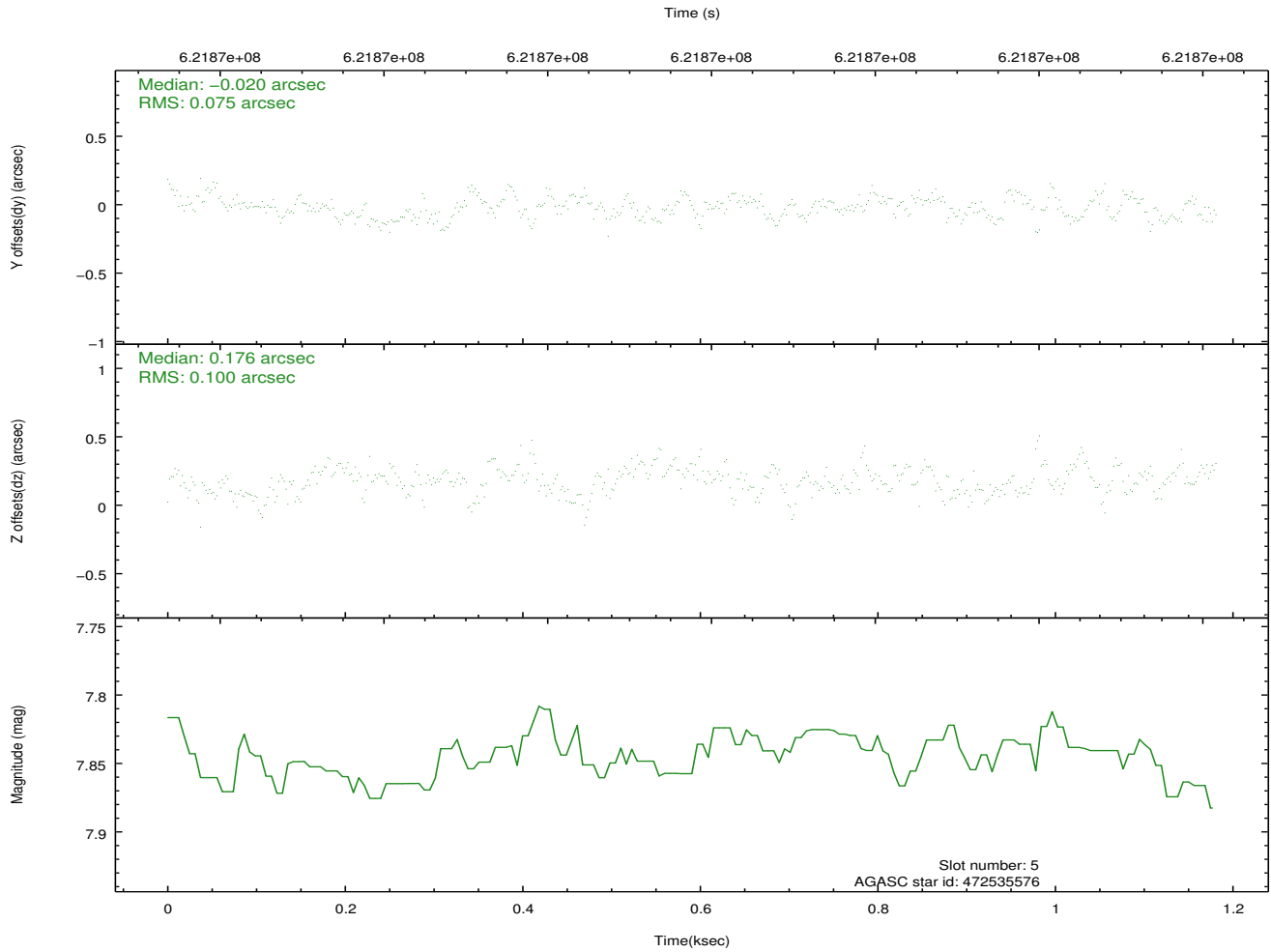
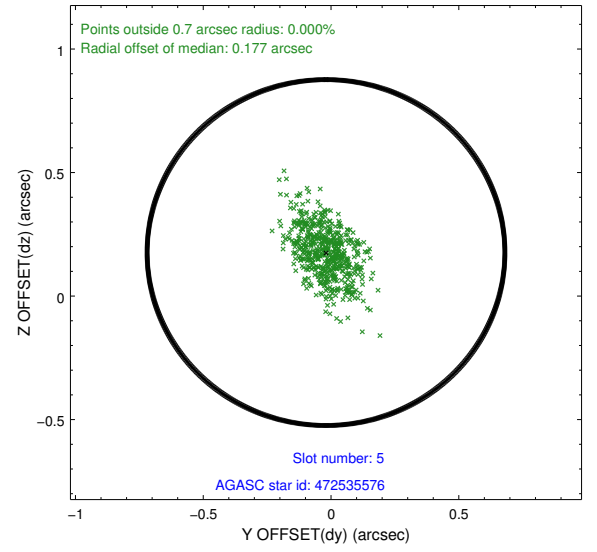
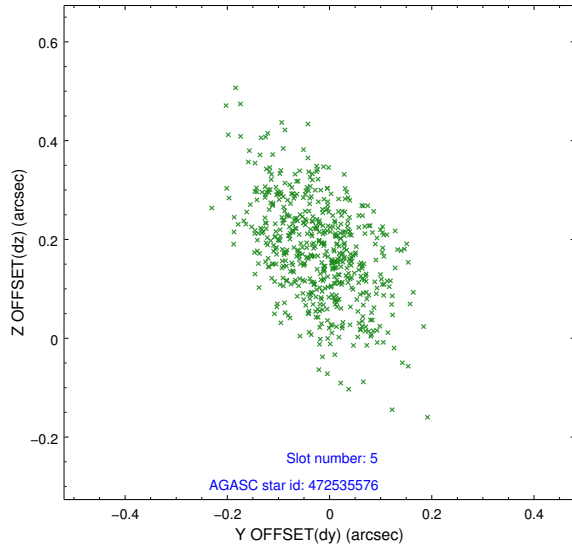
2.4.1 Slot 3



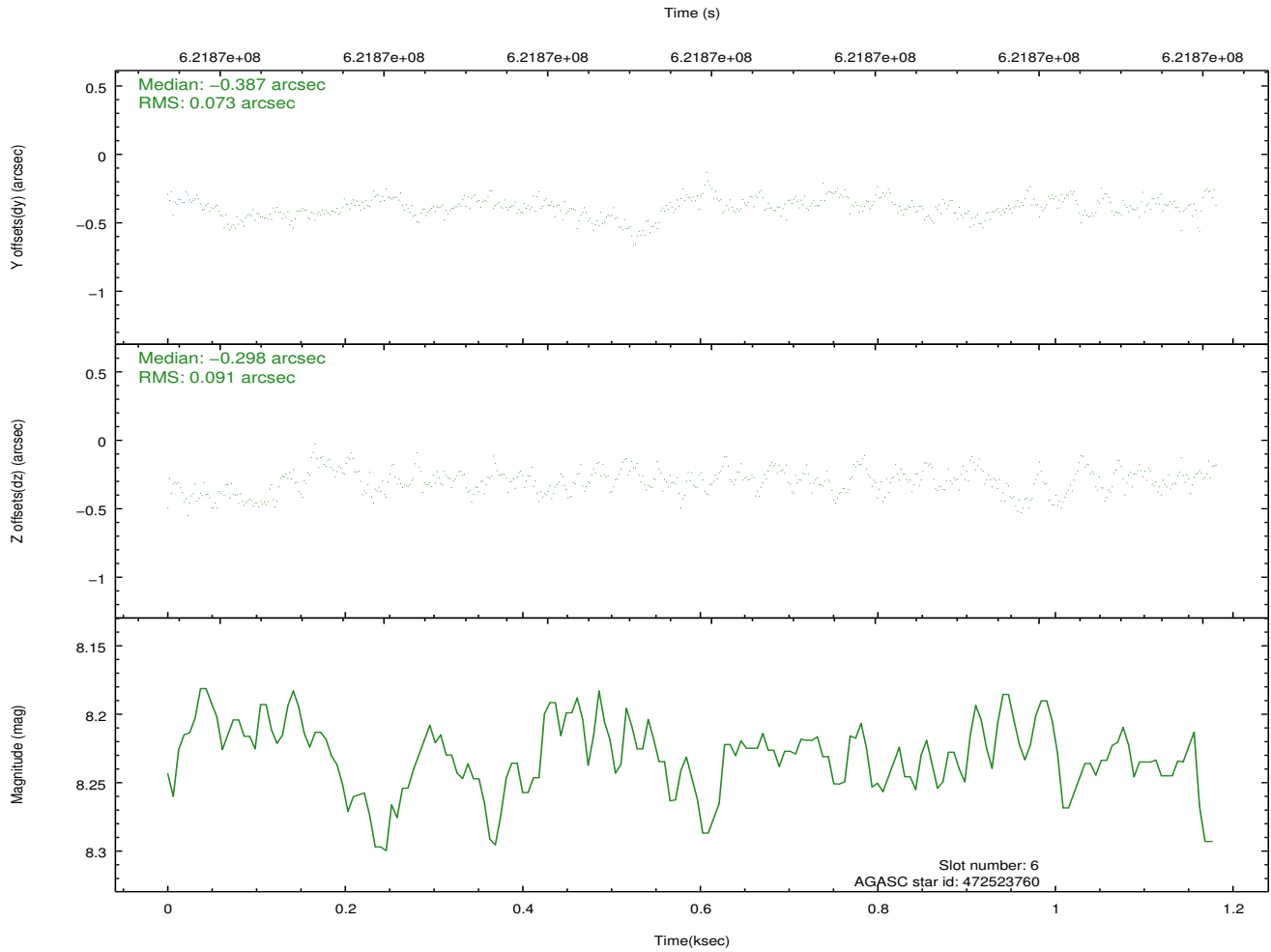
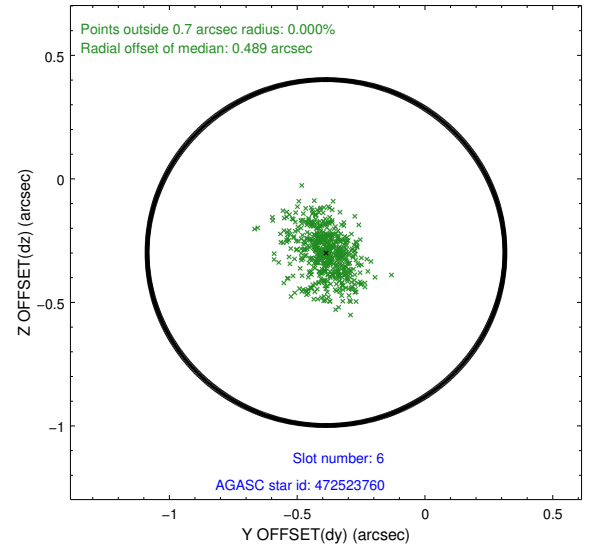
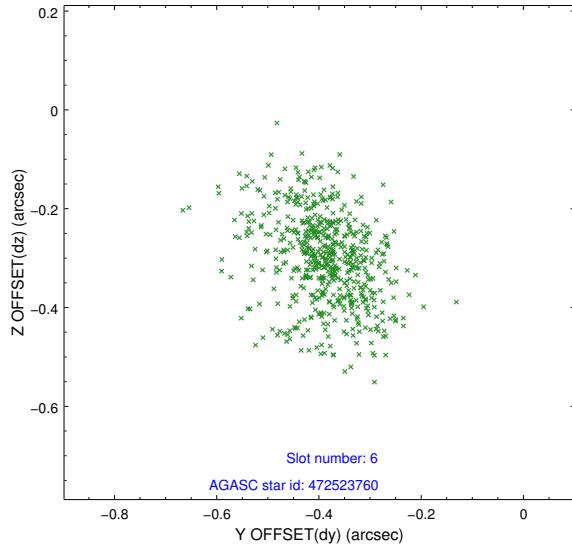
2.4.2 Slot 4



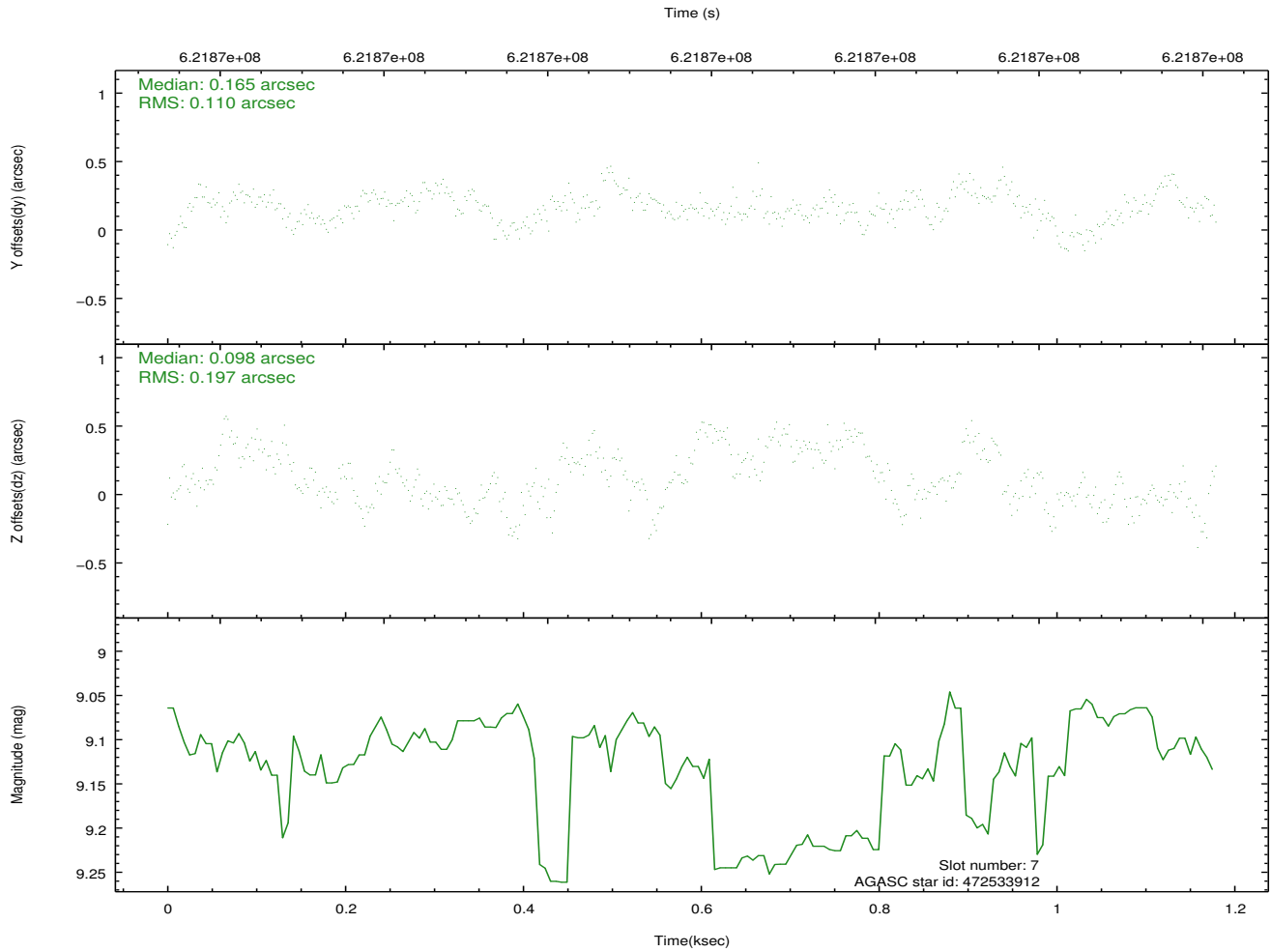
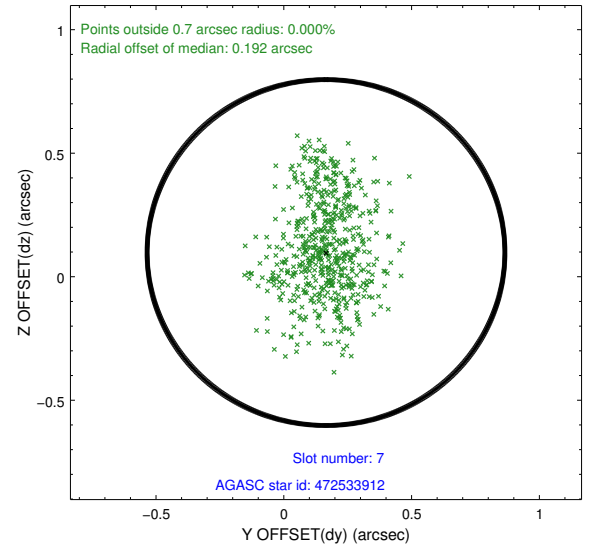
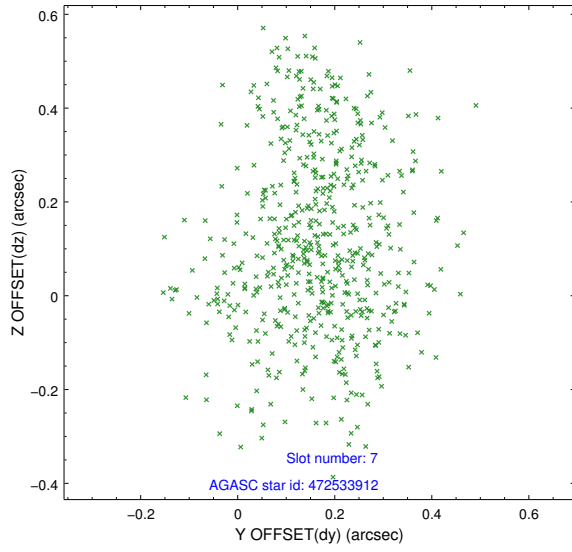
2.4.3 Slot 5



2.4.4 Slot 6

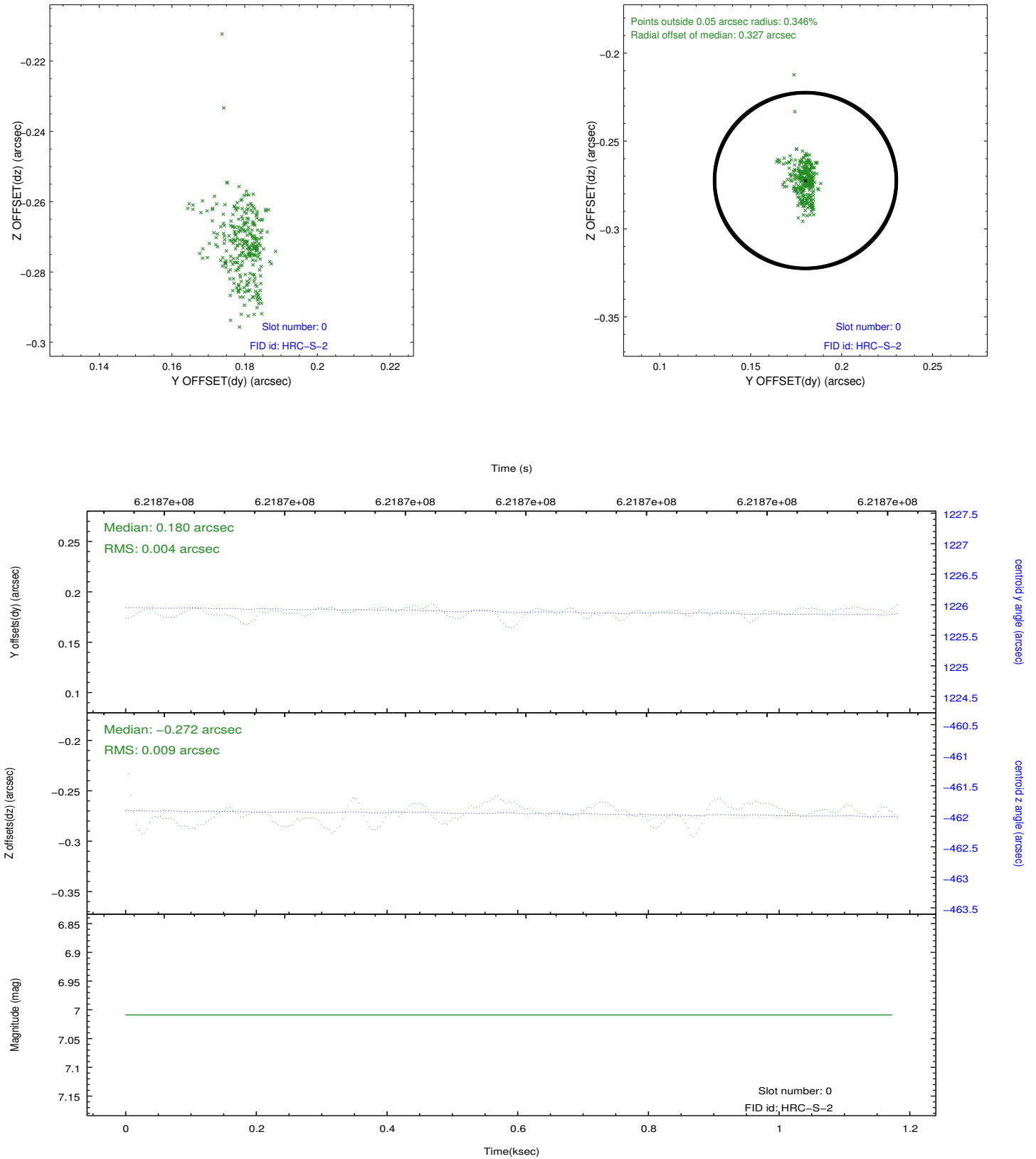


2.4.5 Slot 7

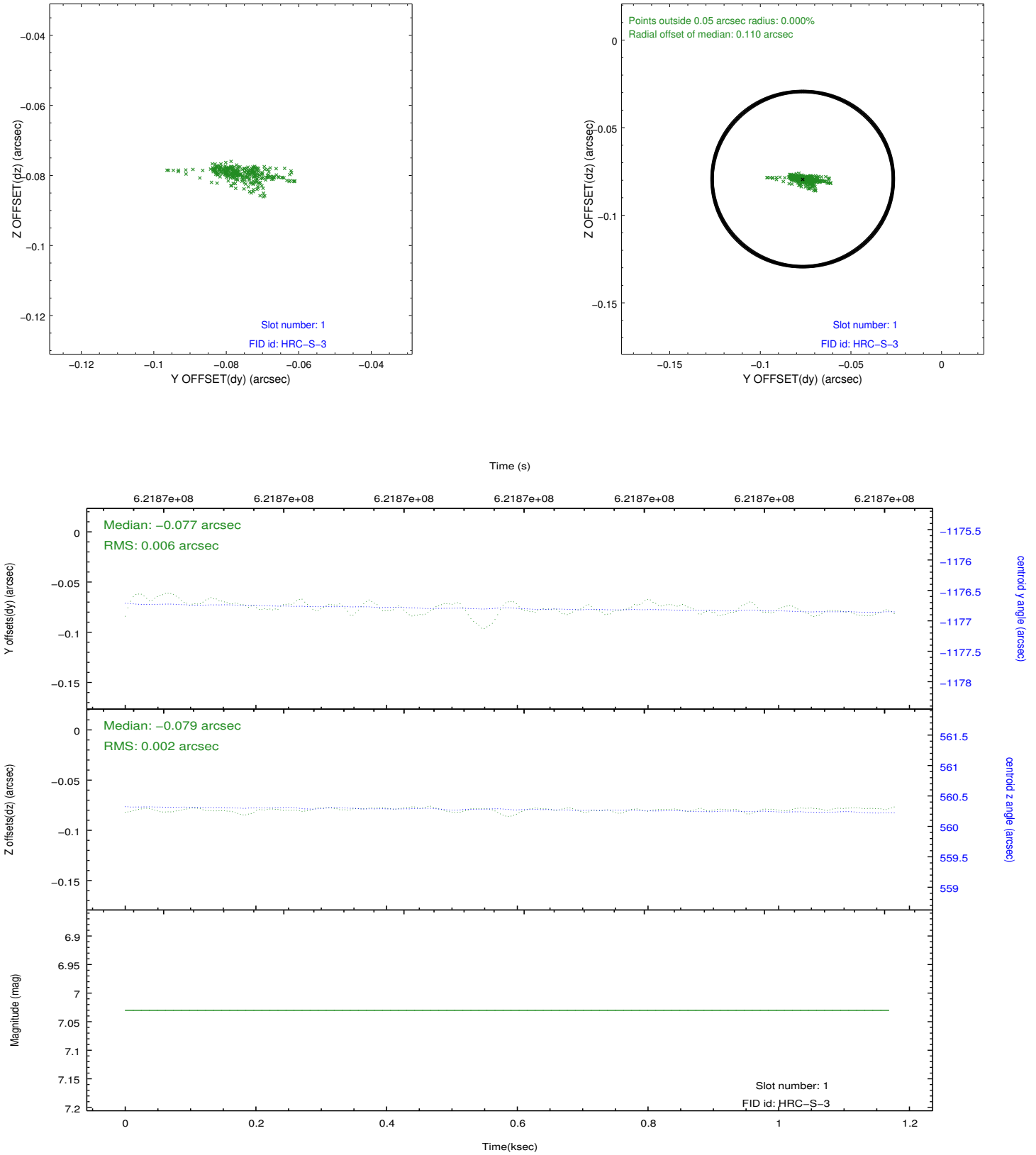


2.5 FID Slots

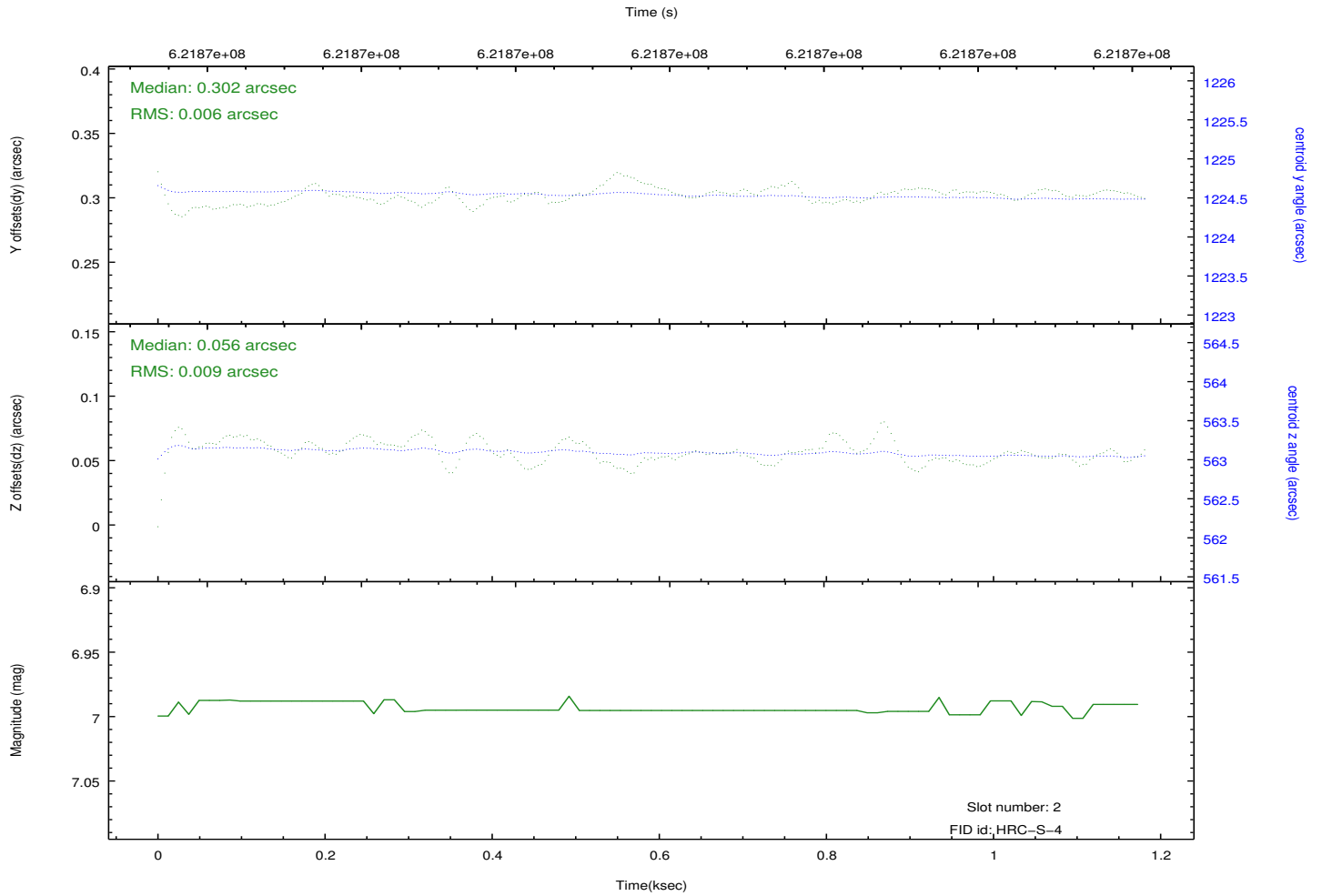
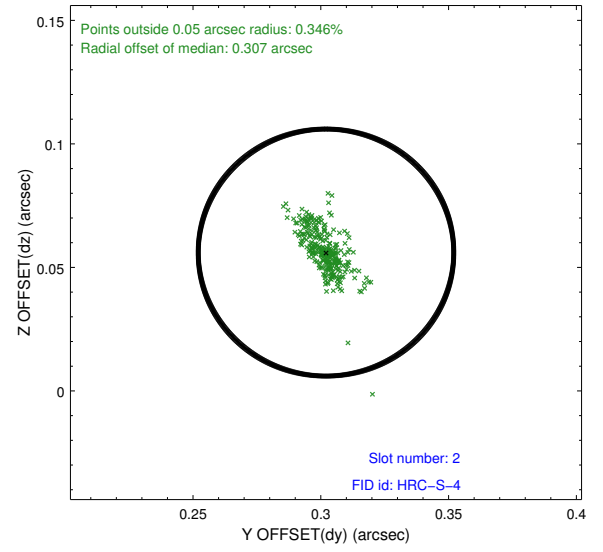
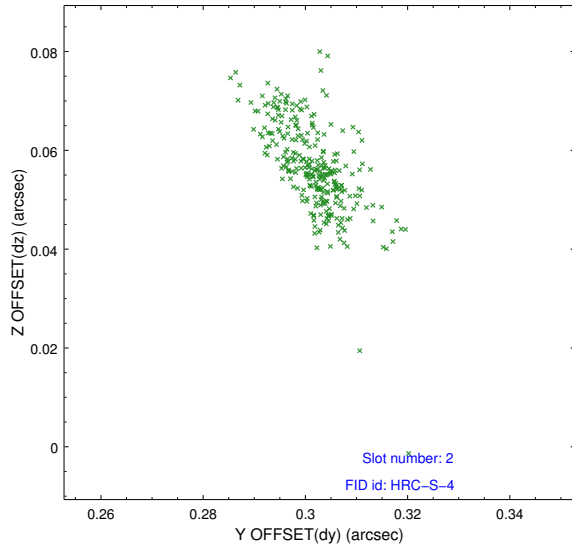
2.5.1 Slot 0



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)	2017.09.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1800313190222

A.2 Comments