

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18398 - L2 Version 1
Chandra X-Ray Center

L2 Processing Date : Sep 21 2016

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1 Front

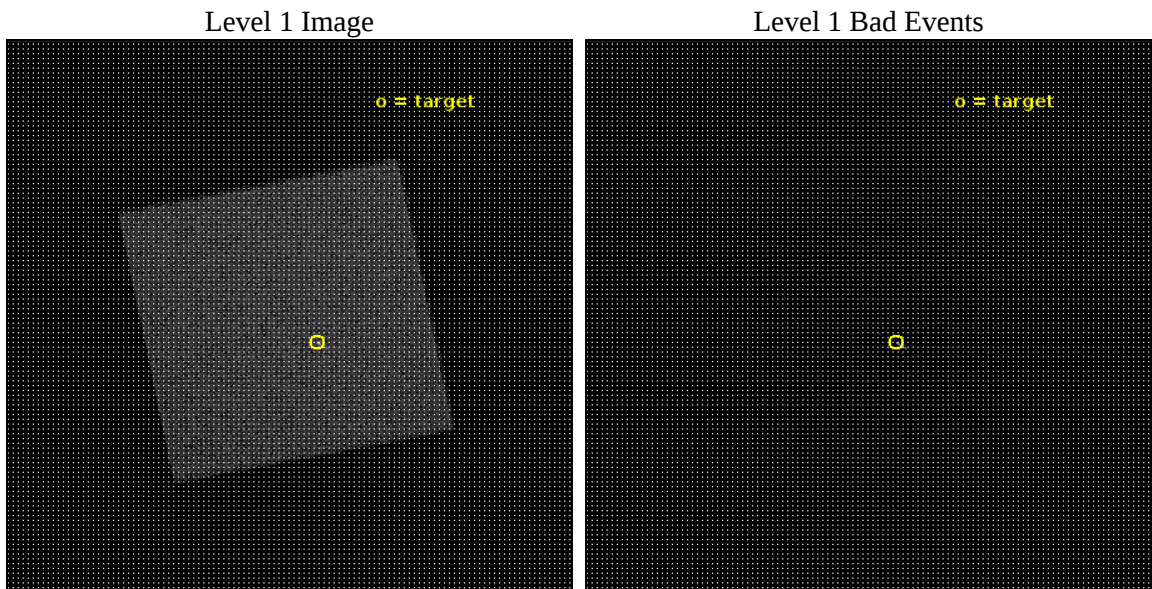
seq_num	291293	Sequence number
obs_id	18398	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.24683740066	Nominal RA [deg]
dec_nom	45.778427598604	Nominal Dec [deg]
roll_nom	213.77580111521	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1182.0813180208	[s]
livetime	1168.2509455613	Ontime multiplied by DTCOR
l2events	117735	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	10.5.1.1	Processing system revision	ontime	1182.0813180208	[s]
caldbver	4.7.2	 	l1events	196535	Number of level 1 events
date	2016-09-21T12:45:25	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

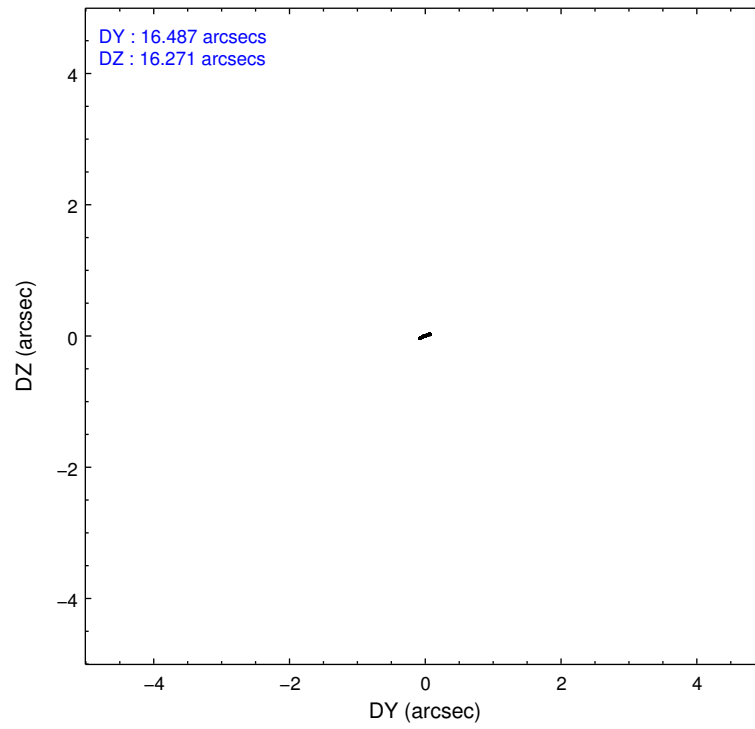
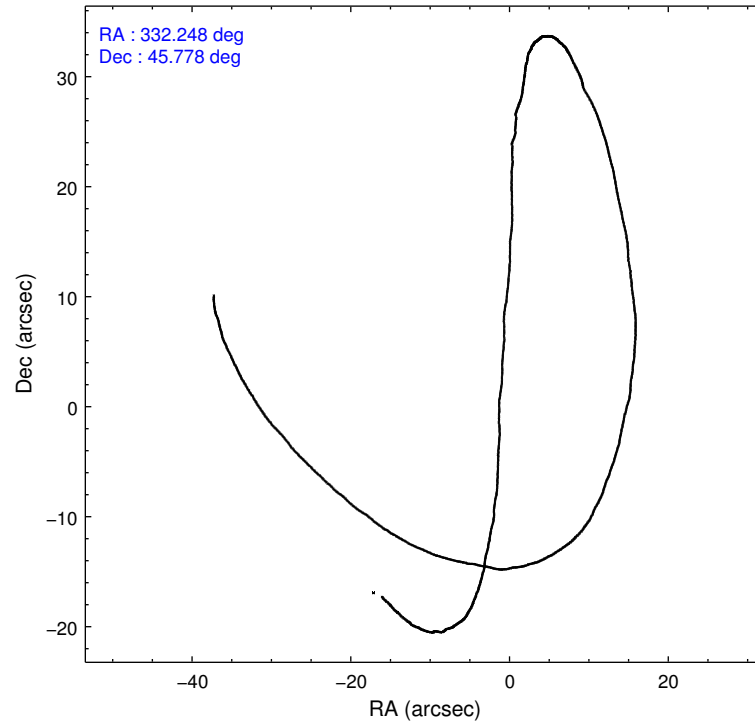
	segment 0
level 1 events	196535
rejected events	42217
rejected %	21%

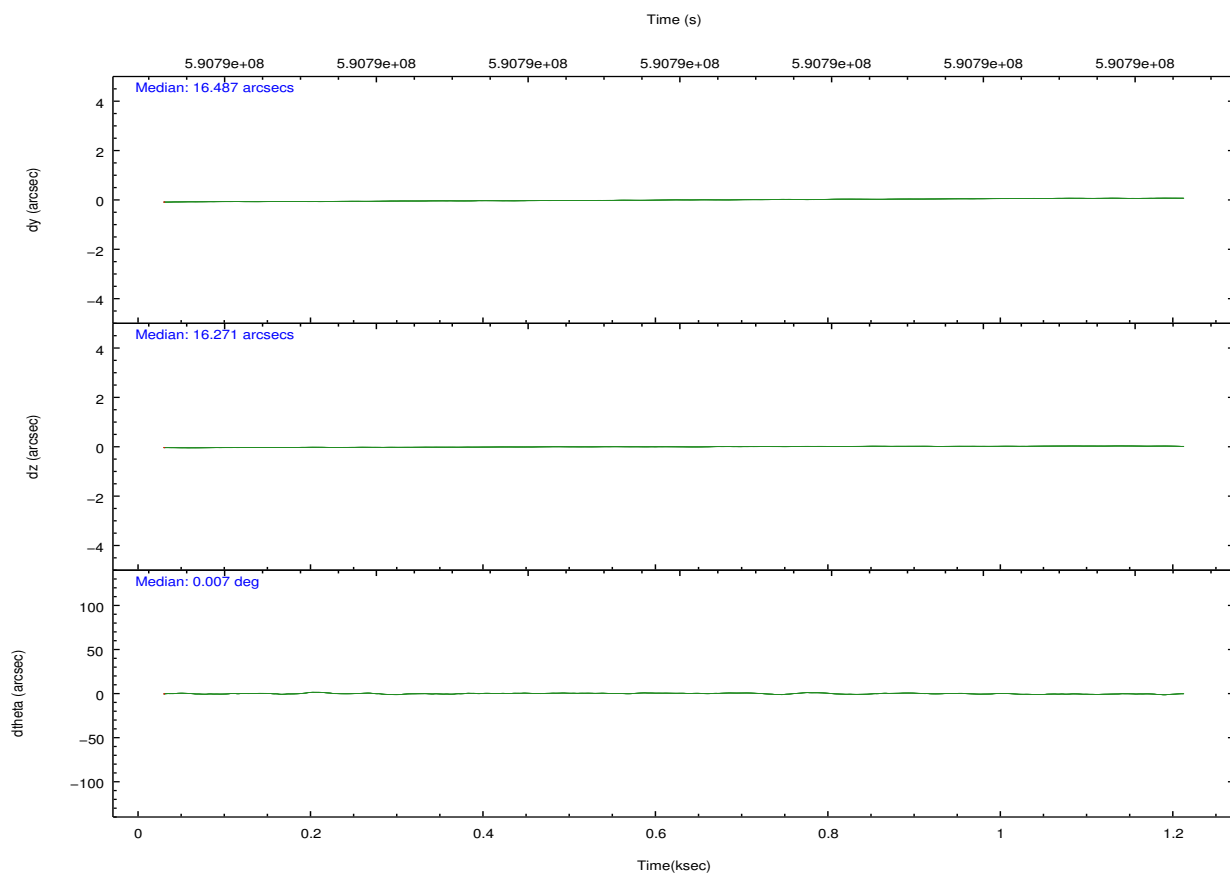
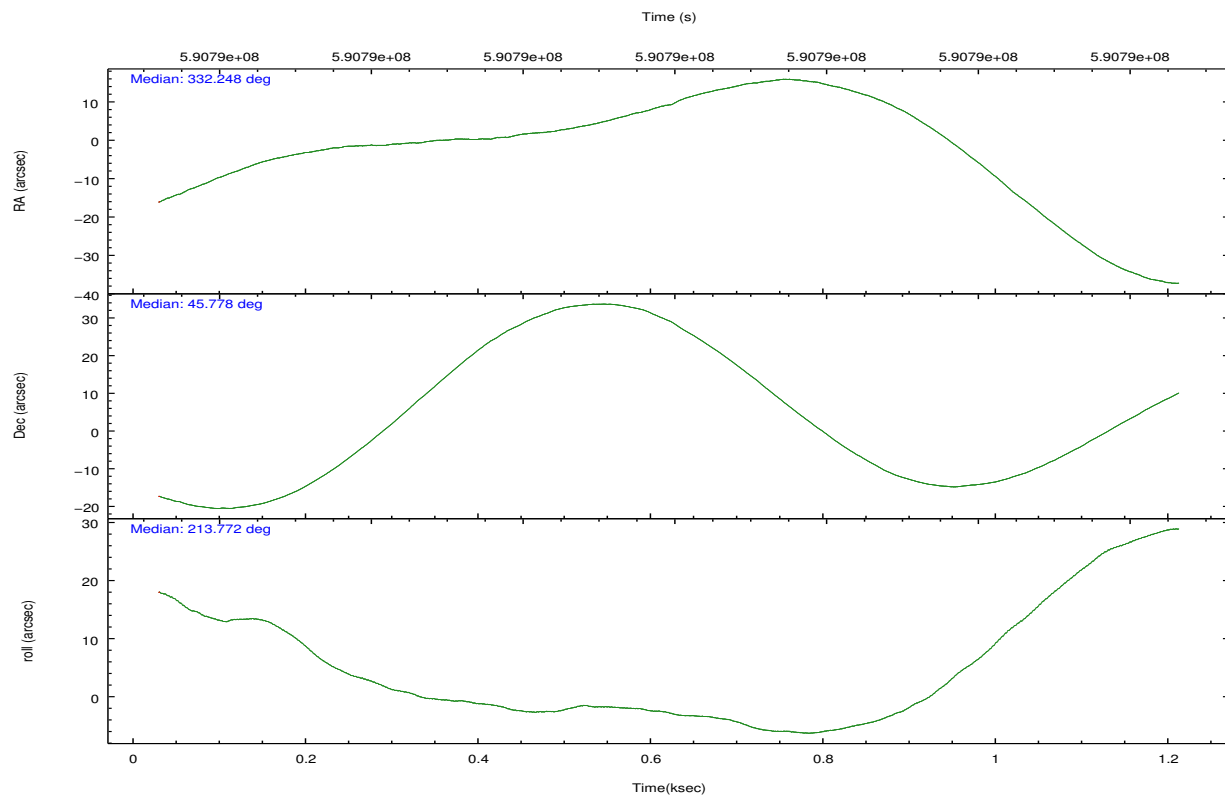
2.2 Compared Parameters

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	332.263206	332.2468374006579
[deg] Pointing Dec	45.804127	45.77842759860369
[deg] Pointing Roll	213.859487	213.7758011152064
[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)	590792597.184000	590792221.70415
Observation start date	2016-09-20T21:02:09	2016-09-20T20:57:01
[s] Observation end time (MET)	590793597.184000	590793731.52923
Observation end date	2016-09-20T21:18:49	2016-09-20T21:22:11

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

2.3 Aspect



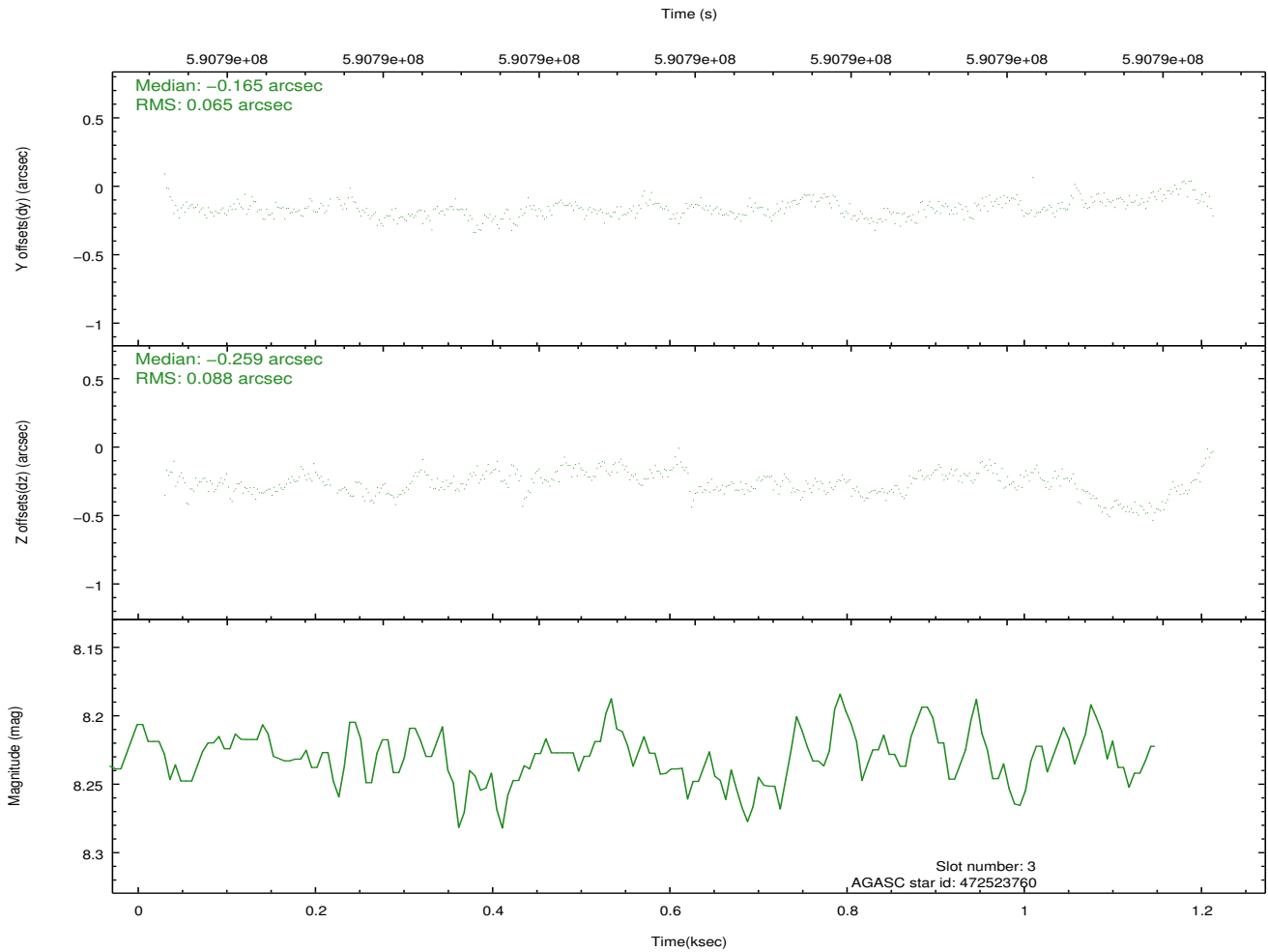
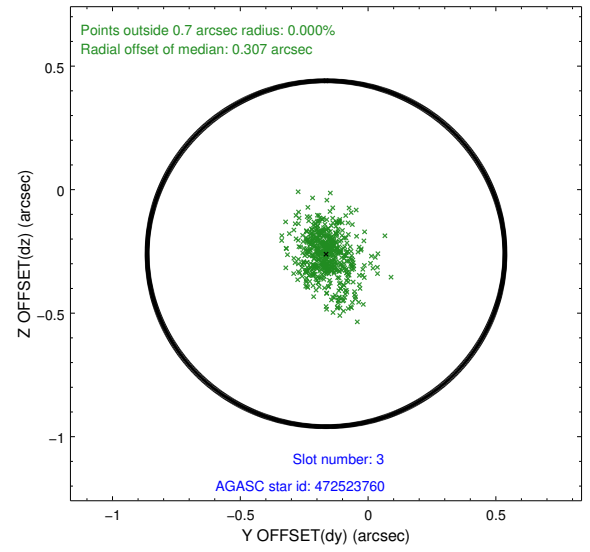
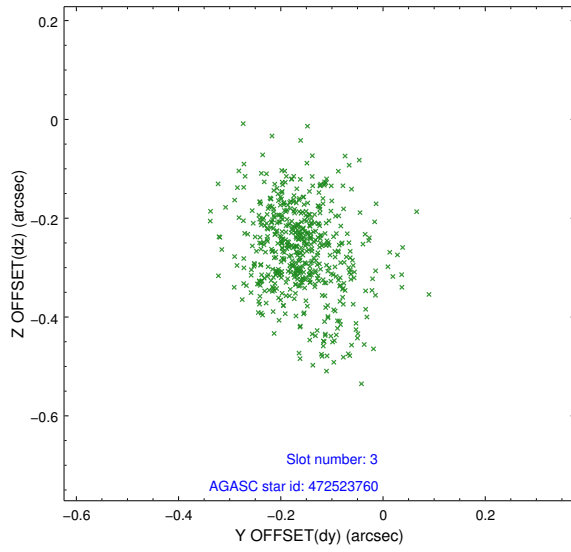


Slot Statistics

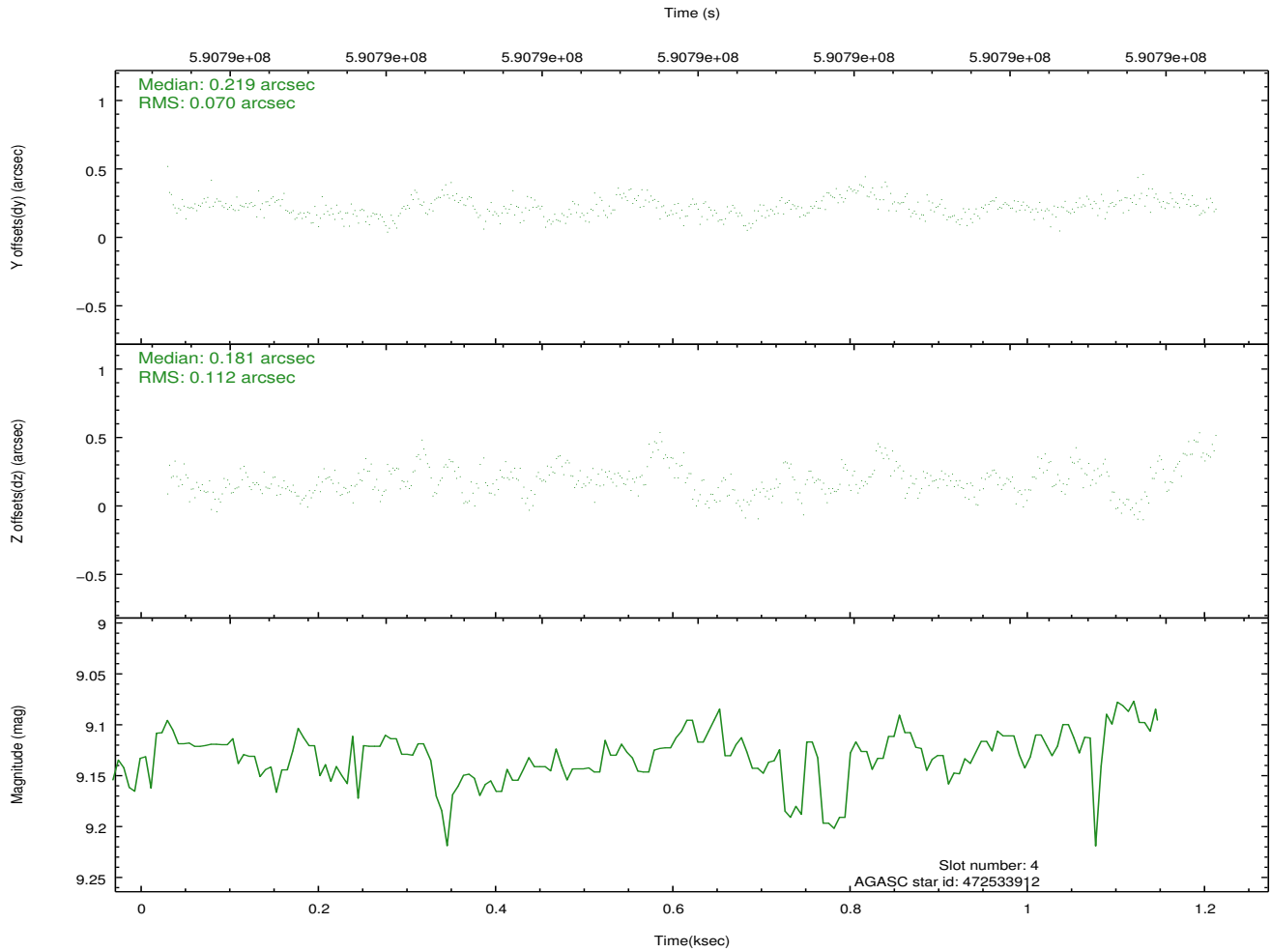
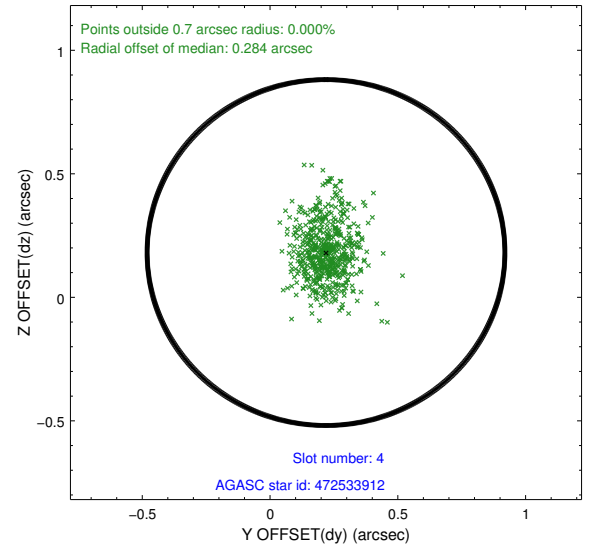
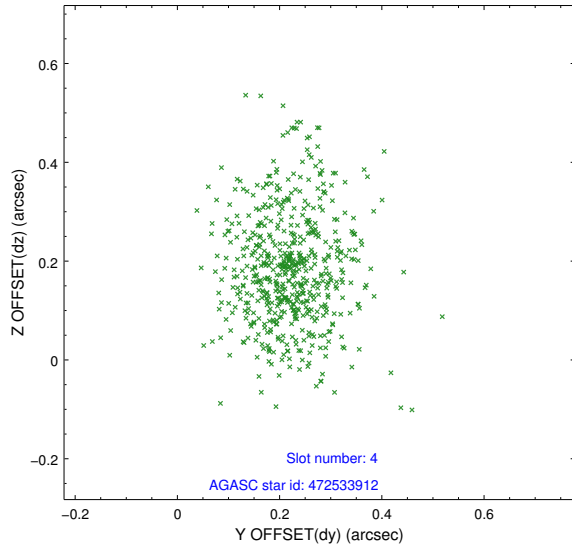
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.05	289	-0.200	-0.021	0.008	0.015	0.000000	0.000000	-772.49	-1304.43
1	FID		HRC-I-2	7.06	289	0.373	-0.139	0.008	0.013	0.000000	0.000000	838.04	-1310.59
2	FID		HRC-I-3	7.13	289	-0.054	0.071	0.008	0.019	0.000000	0.000000	-1197.99	995.68
3	GUIDE	used	472523760	8.23	575	-0.165	-0.259	0.110	0.204	331.645363	45.403260	2096.50	320.47
4	GUIDE	used	472533912	9.13	577	0.219	0.181	0.139	0.240	331.791136	46.368695	-157.67	-2346.00
5	GUIDE	used	472654568	9.38	578	-0.200	-0.001	0.193	0.326	332.194449	45.063576	1628.95	2109.71
6	GUIDE	used	472655152	9.40	576	-0.020	-0.213	0.187	0.380	332.504239	45.862991	-618.67	160.84
7	GUIDE	used	472665256	8.98	577	0.146	0.283	0.107	0.210	332.808125	46.195041	-1916.22	-418.19

2.4 Star Slots

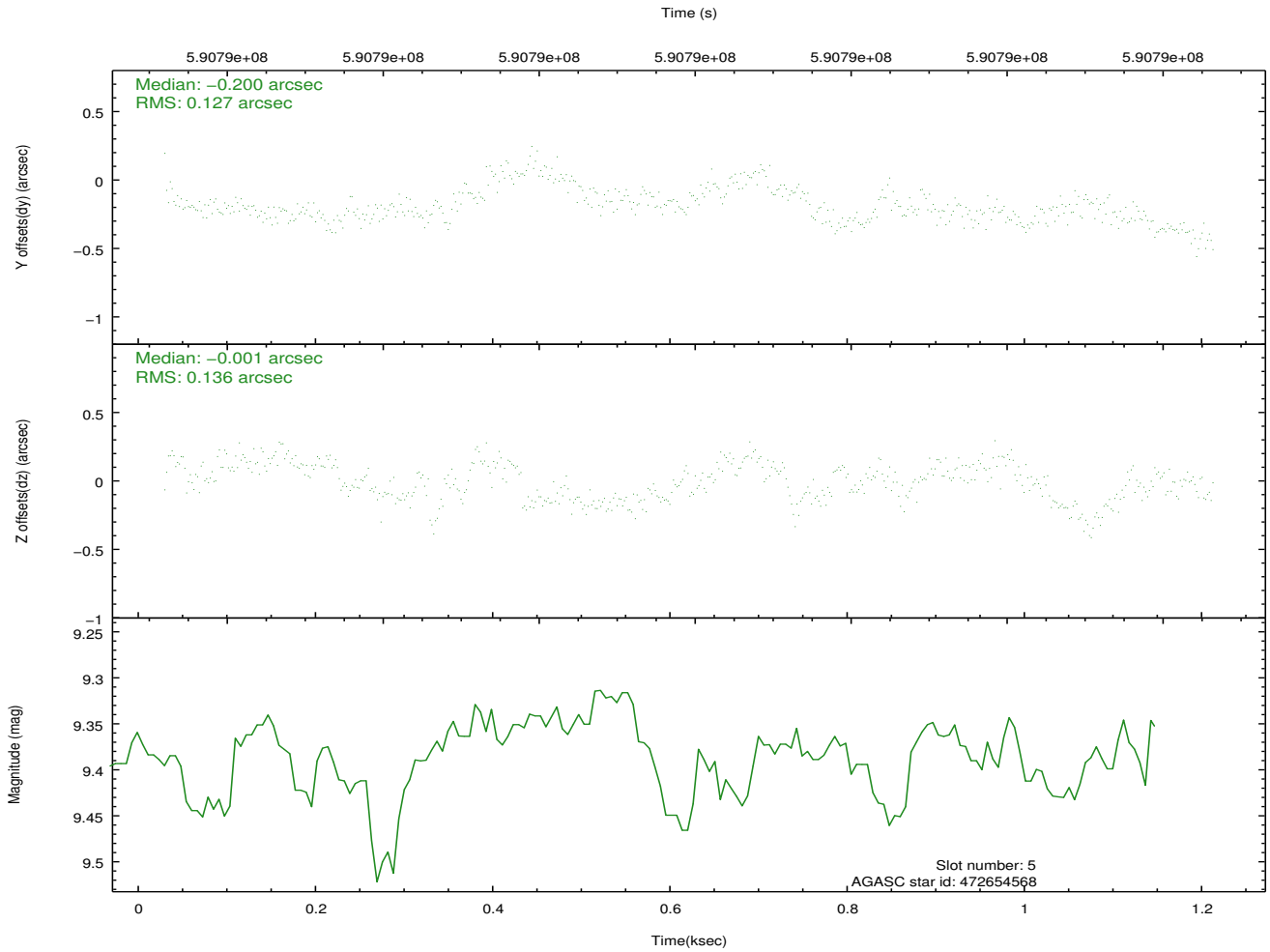
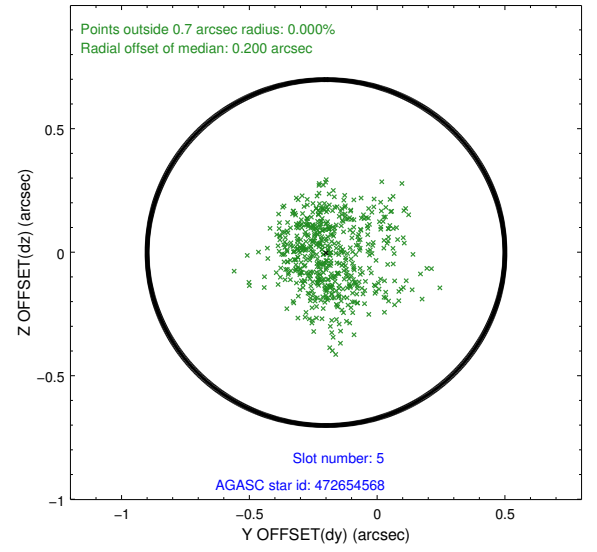
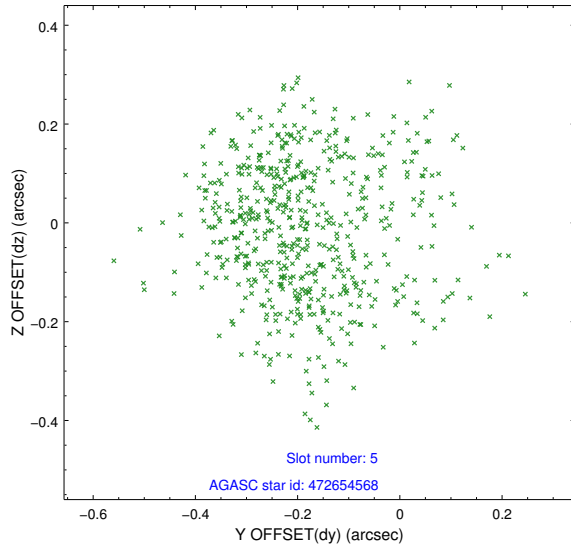
2.4.1 Slot 3



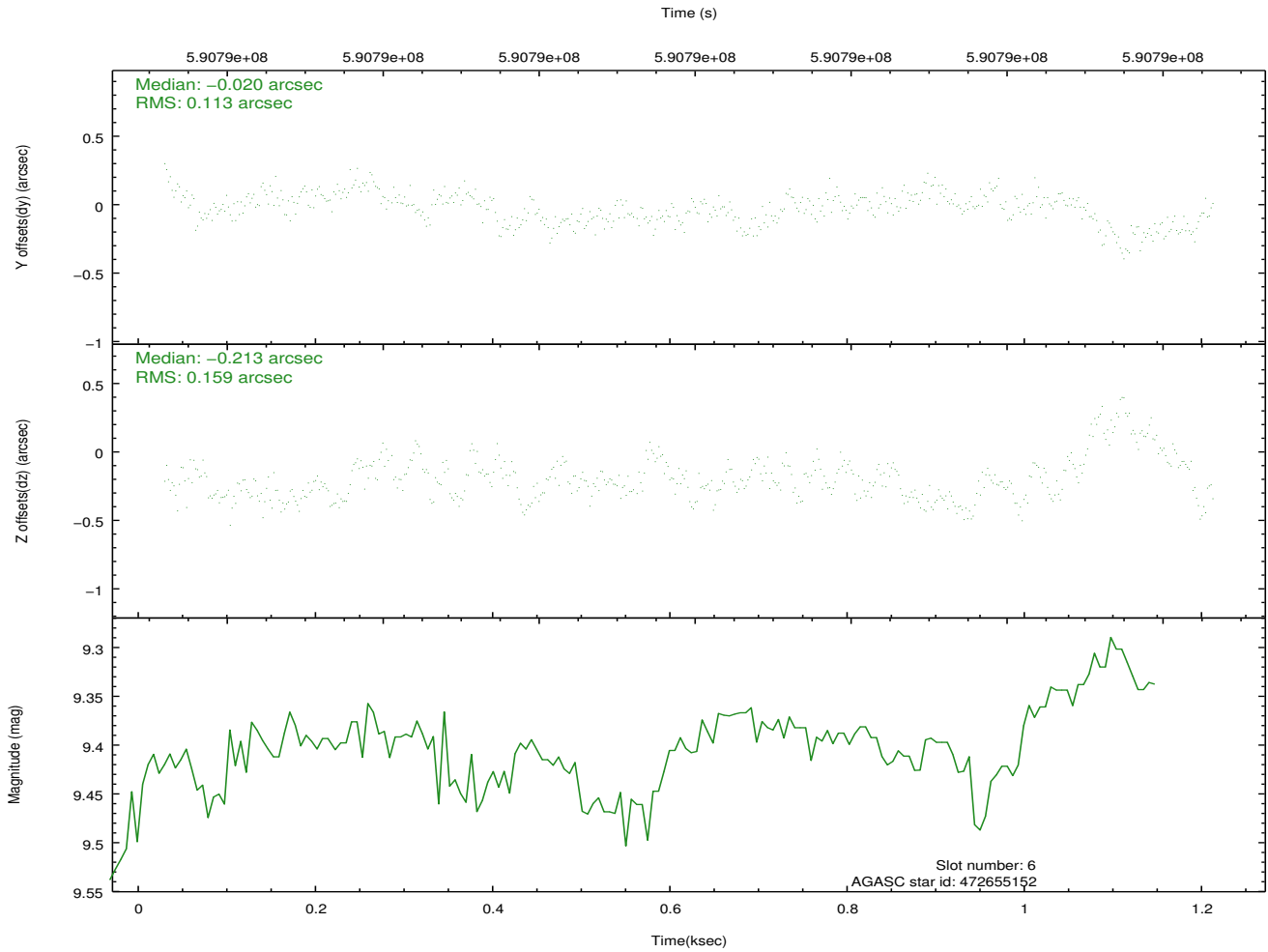
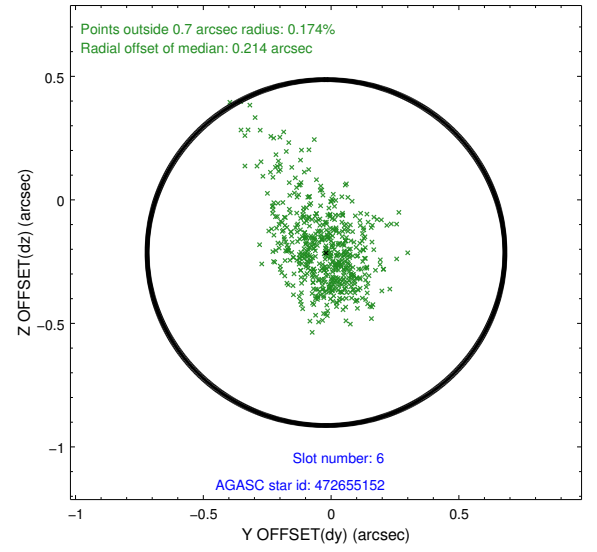
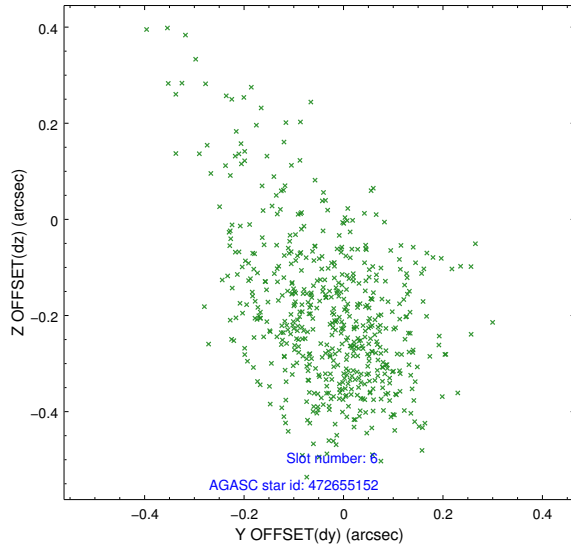
2.4.2 Slot 4



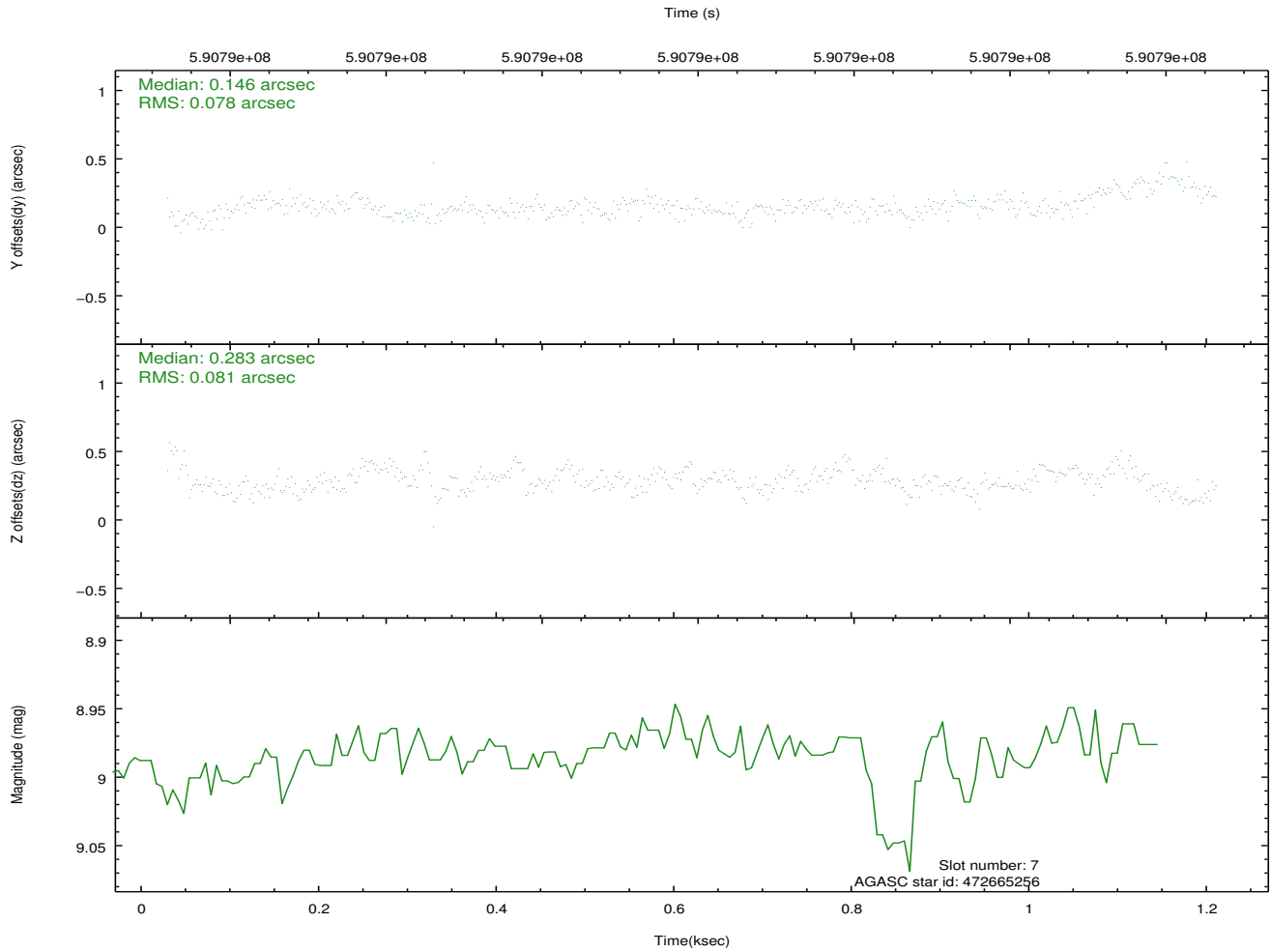
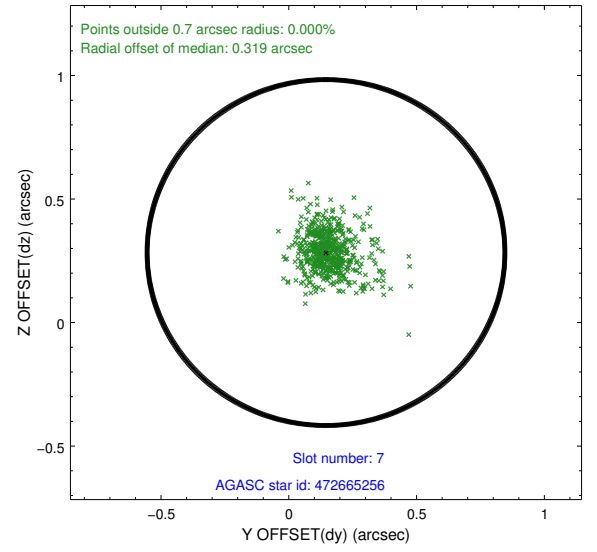
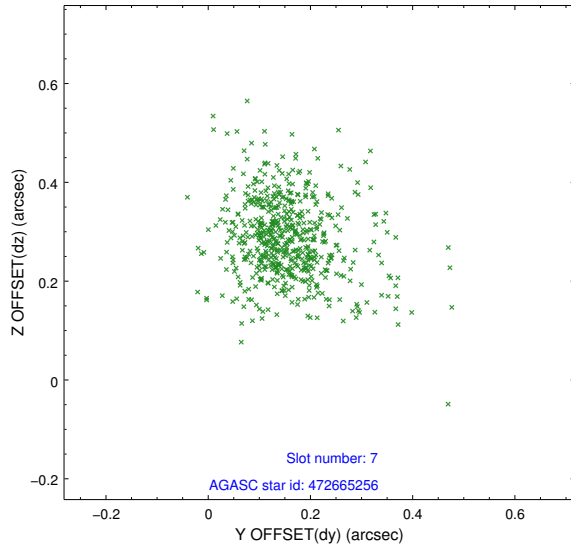
2.4.3 Slot 5



2.4.4 Slot 6

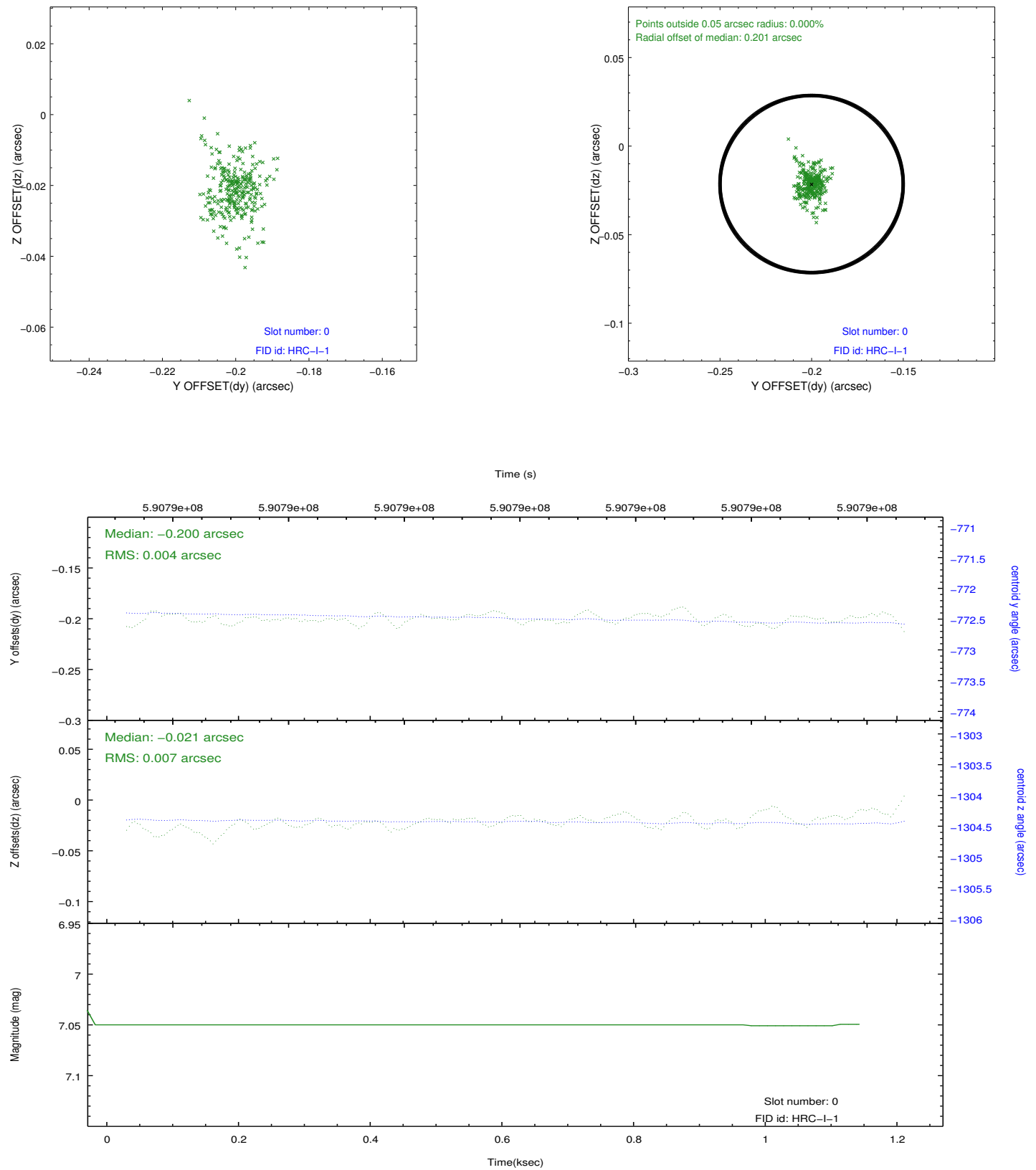


2.4.5 Slot 7

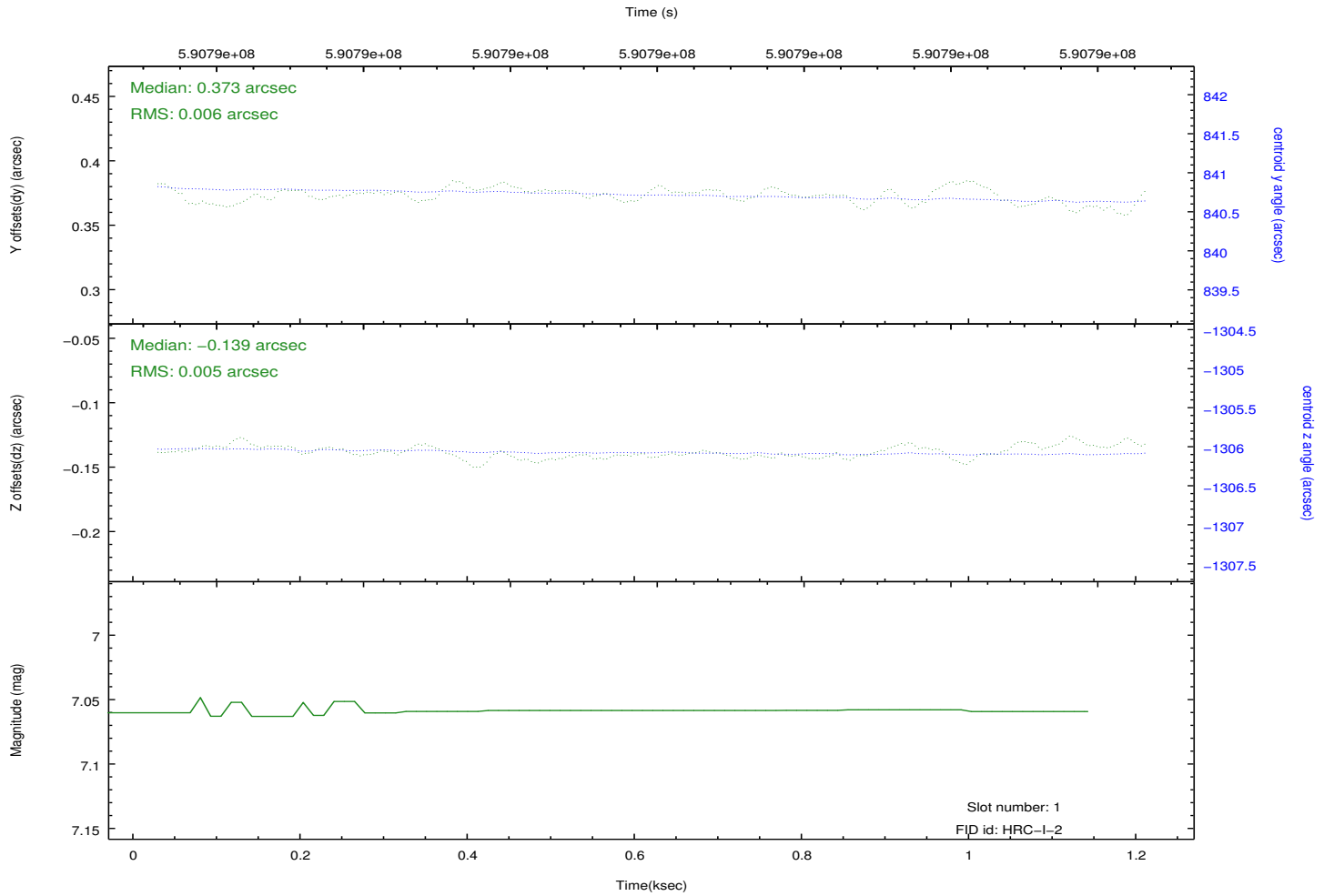
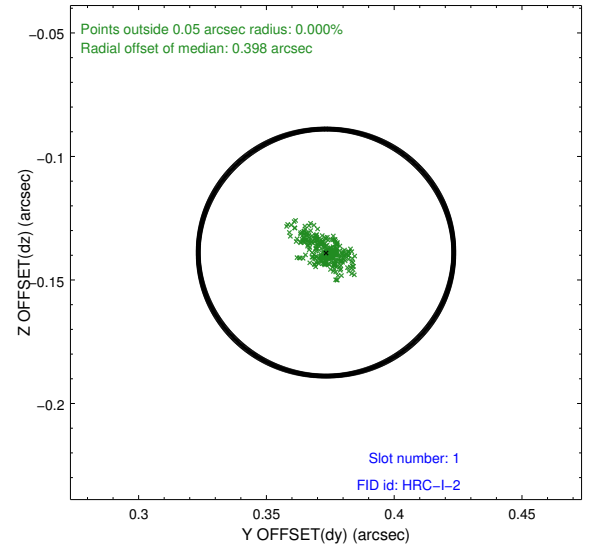
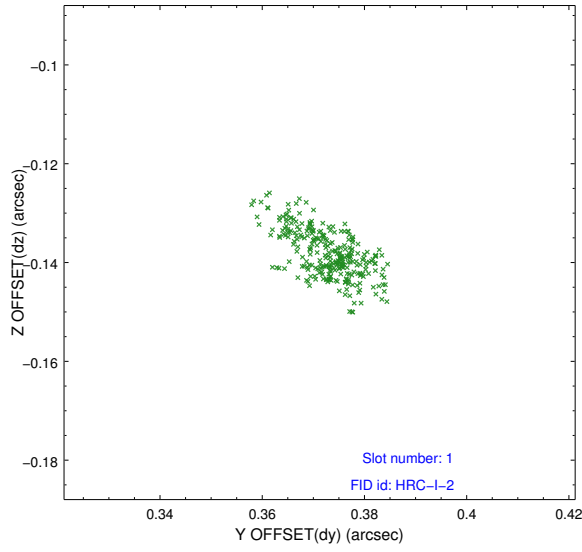


2.5 FID Slots

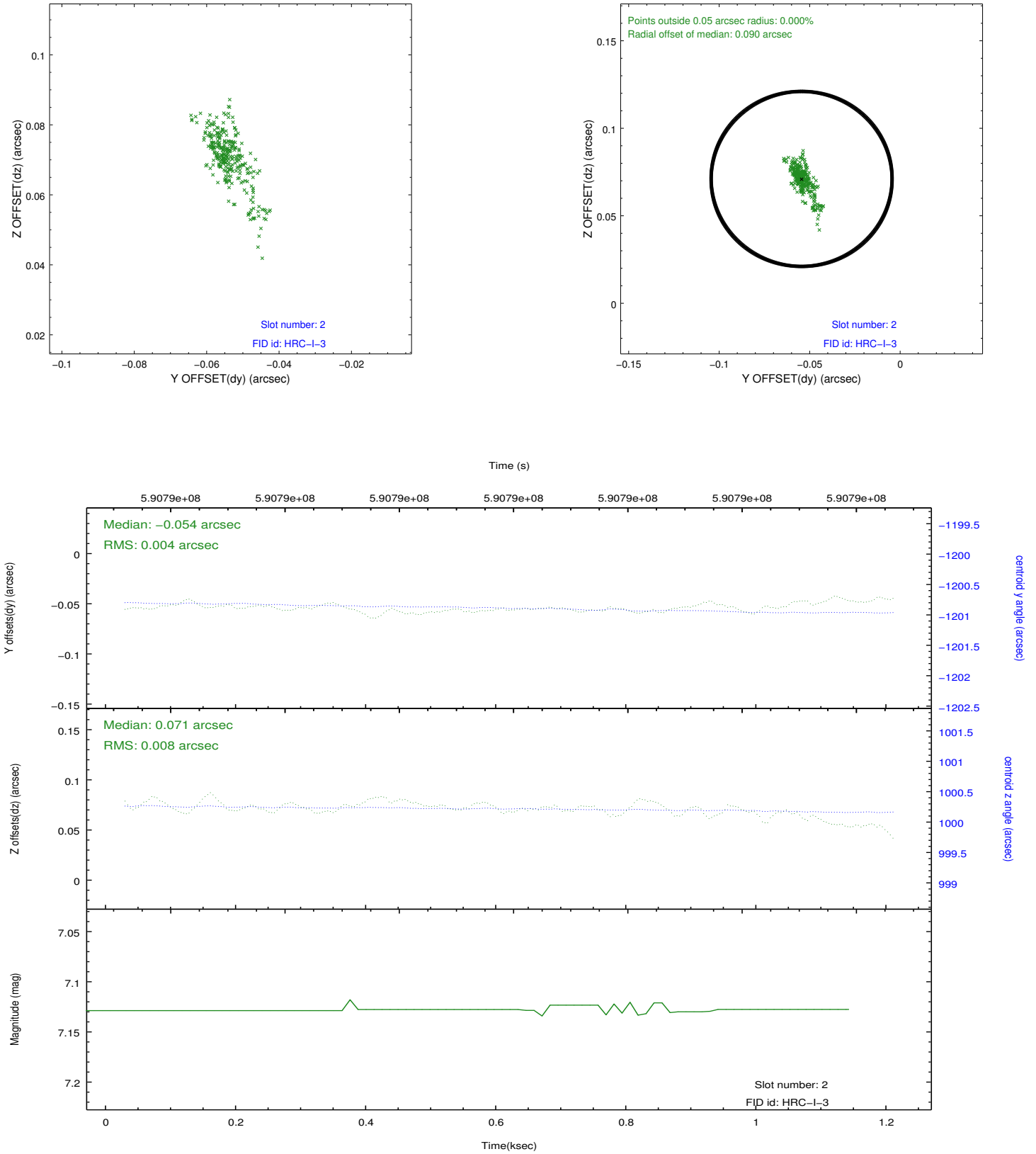
2.5.1 Slot 0



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)	2016.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1820813180208

A.2 Comments