

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16399 - L2 Version 1
Chandra X-Ray Center

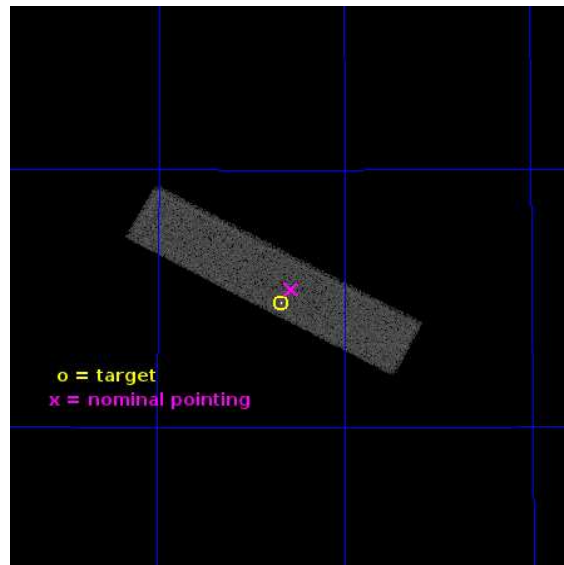
L2 Processing Date : Sep 16 2014

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1 Front

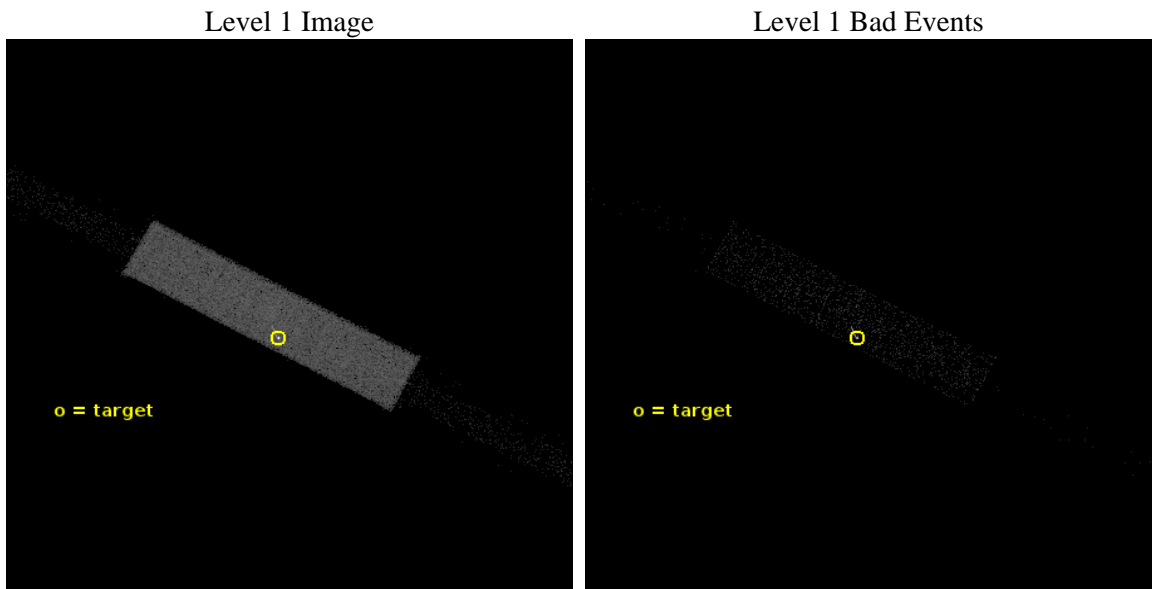
seq_num	291171	Sequence number
obs_id	16399	Observation id
title	AO-15 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.14229324795	Nominal RA [deg]
dec_nom	45.768477734245	Nominal Dec [deg]
roll_nom	208.10896072152	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1155.43131423	[s]
livetime	1148.7054932914	Ontime multiplied by DTCOR
l2events	49523	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	10.2.4	Processing system revision	ontime	1155.43131423	[s]
caldsver	4.6.3	 	l1events	78005	Number of level 1 events
date	2014-09-17T03:25:39	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

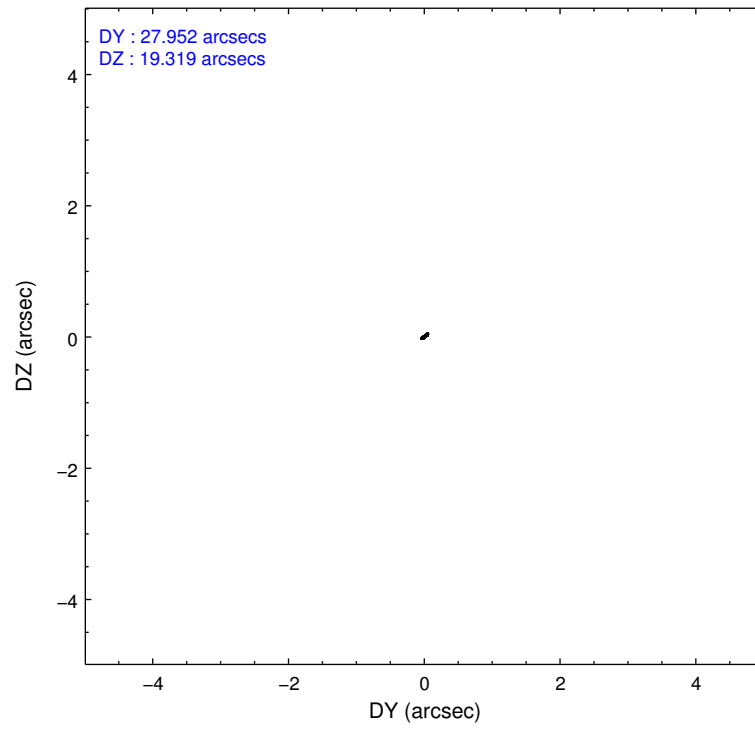
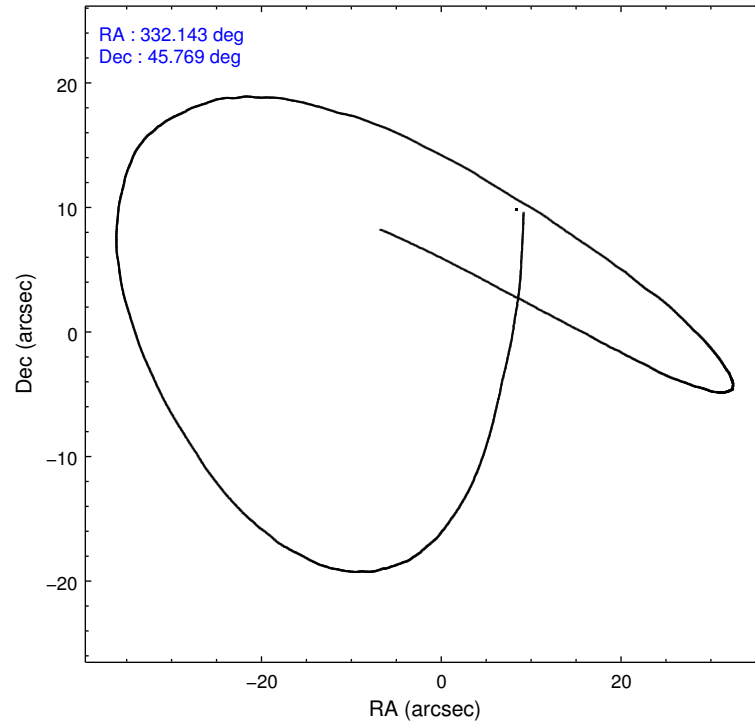
	segment 1	segment 2	segment 3
level 1 events	720	76576	709
rejected events	720	17717	709
rejected %	100%	23%	100%

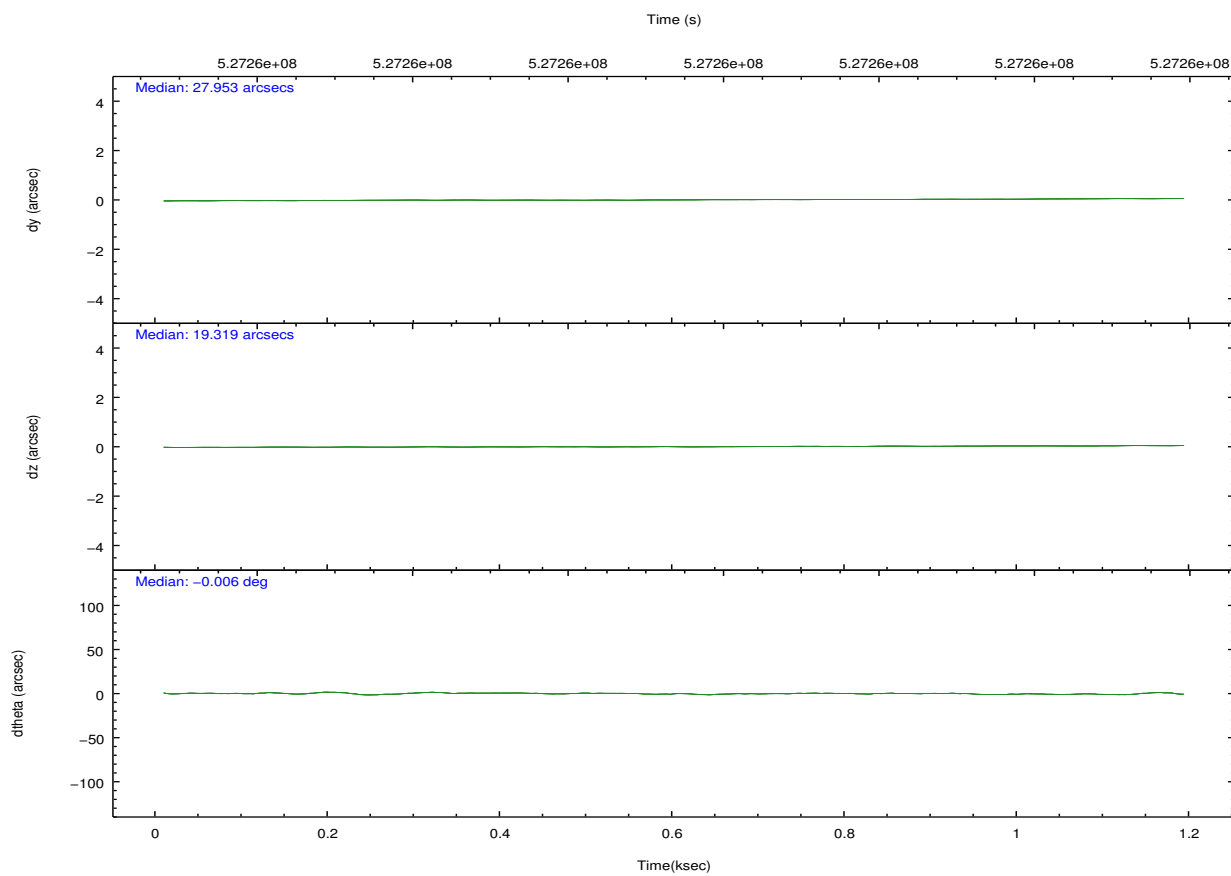
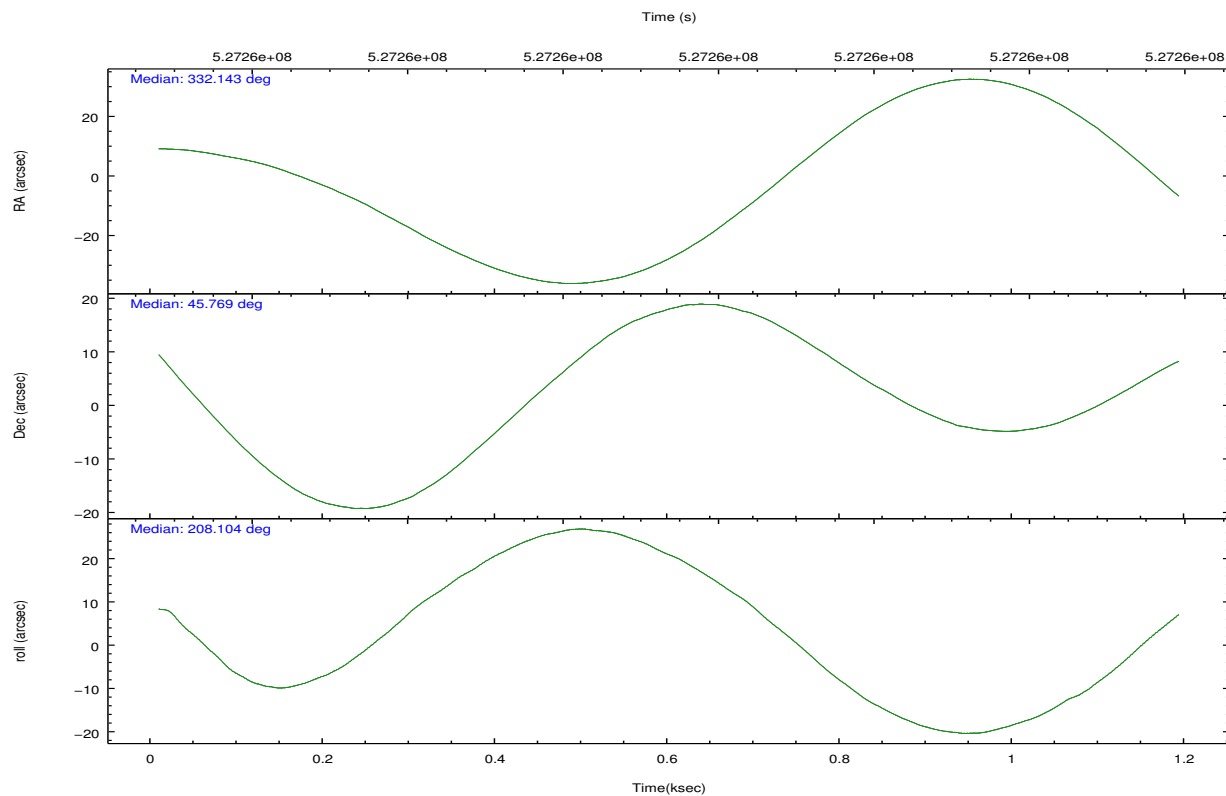
2.2 Compared Parameters

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	332.161462	332.1422932479485
[deg] Pointing Dec	45.794643	45.76847773424488
[deg] Pointing Roll	208.027826	208.1089607215196
[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)	527259938.184000	527259561.41518
Observation start date	2014-09-16T13:04:31	2014-09-16T12:59:21
[s] Observation end time (MET)	527260938.184000	527261072.26527
Observation end date	2014-09-16T13:21:11	2014-09-16T13:24:32

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

2.3 Aspect



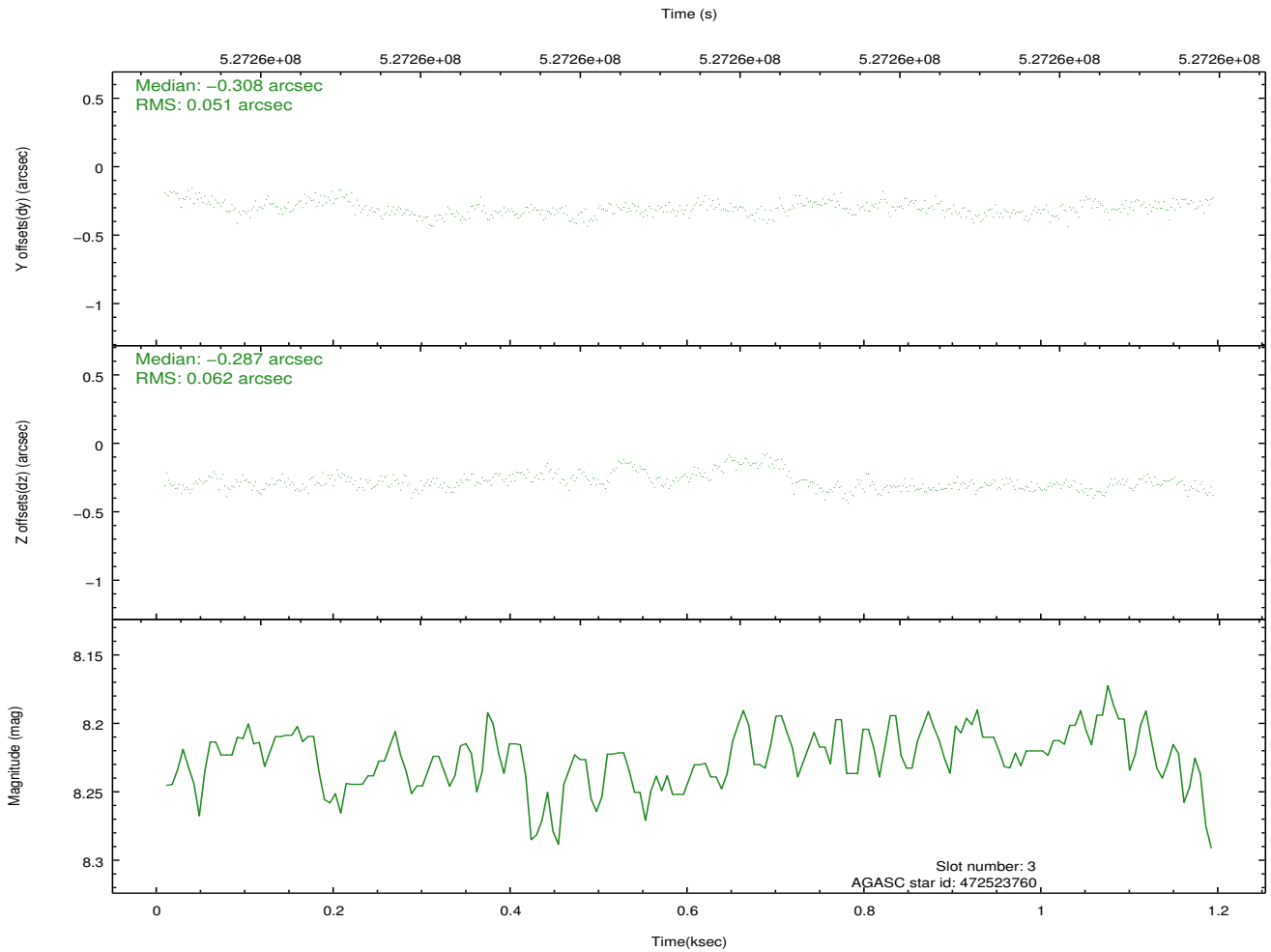
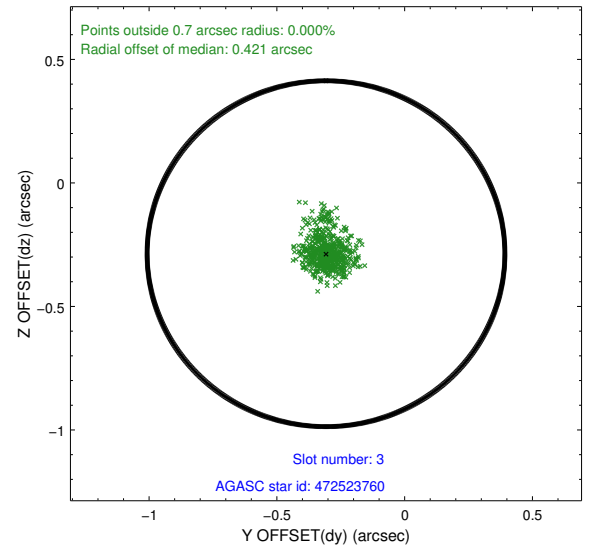
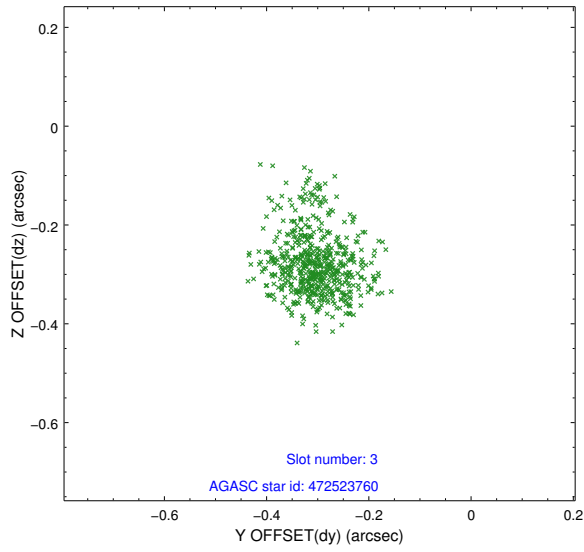


Slot Statistics

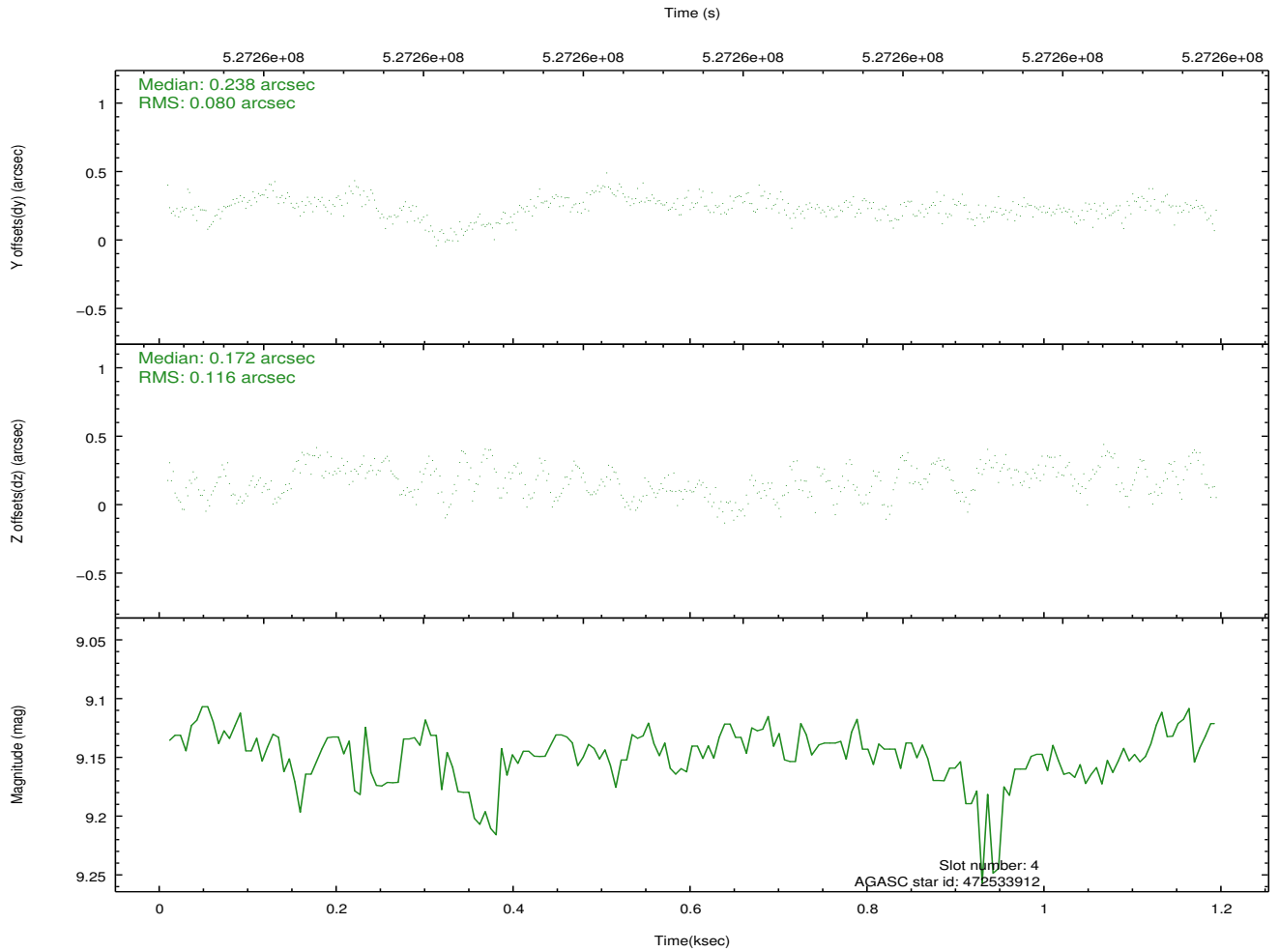
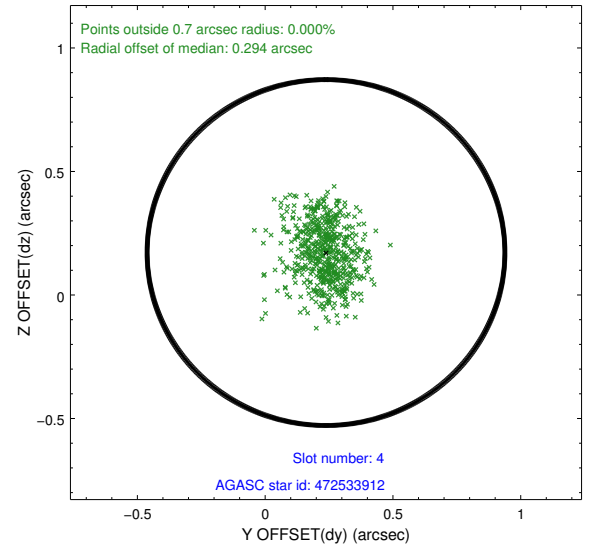
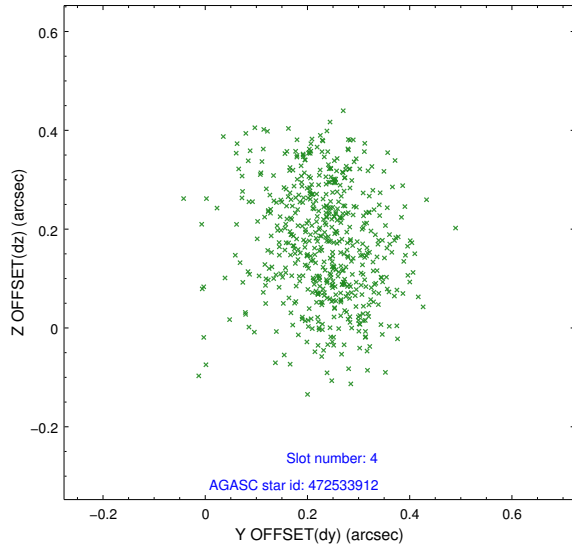
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.07	289	0.010	-0.208	0.007	0.012	0.000000	0.000000	-1182.74	-468.46
1	FID	HRC-S-2	7.03	289	0.343	-0.140	0.005	0.009	0.000000	0.000000	1213.16	-462.52
2	FID	HRC-S-3	7.07	289	0.037	0.046	0.008	0.012	0.000000	0.000000	-1181.29	559.72
3	GUIDE	472523760	8.22	579	-0.308	-0.287	0.083	0.145	331.645363	45.403260	1812.50	623.15
4	GUIDE	472533912	9.15	578	0.238	0.172	0.155	0.244	331.791136	46.368695	-155.46	-2260.95
5	GUIDE	472655152	9.42	579	-0.027	-0.309	0.182	0.274	332.504239	45.862991	-874.29	177.09
6	GUIDE	472665256	8.98	579	0.263	0.174	0.121	0.199	332.808125	46.195041	-2102.99	-524.43
7	GUIDE	472535576	7.86	578	-0.167	0.234	0.093	0.149	331.438373	46.291802	740.42	-2436.71

2.4 Star Slots

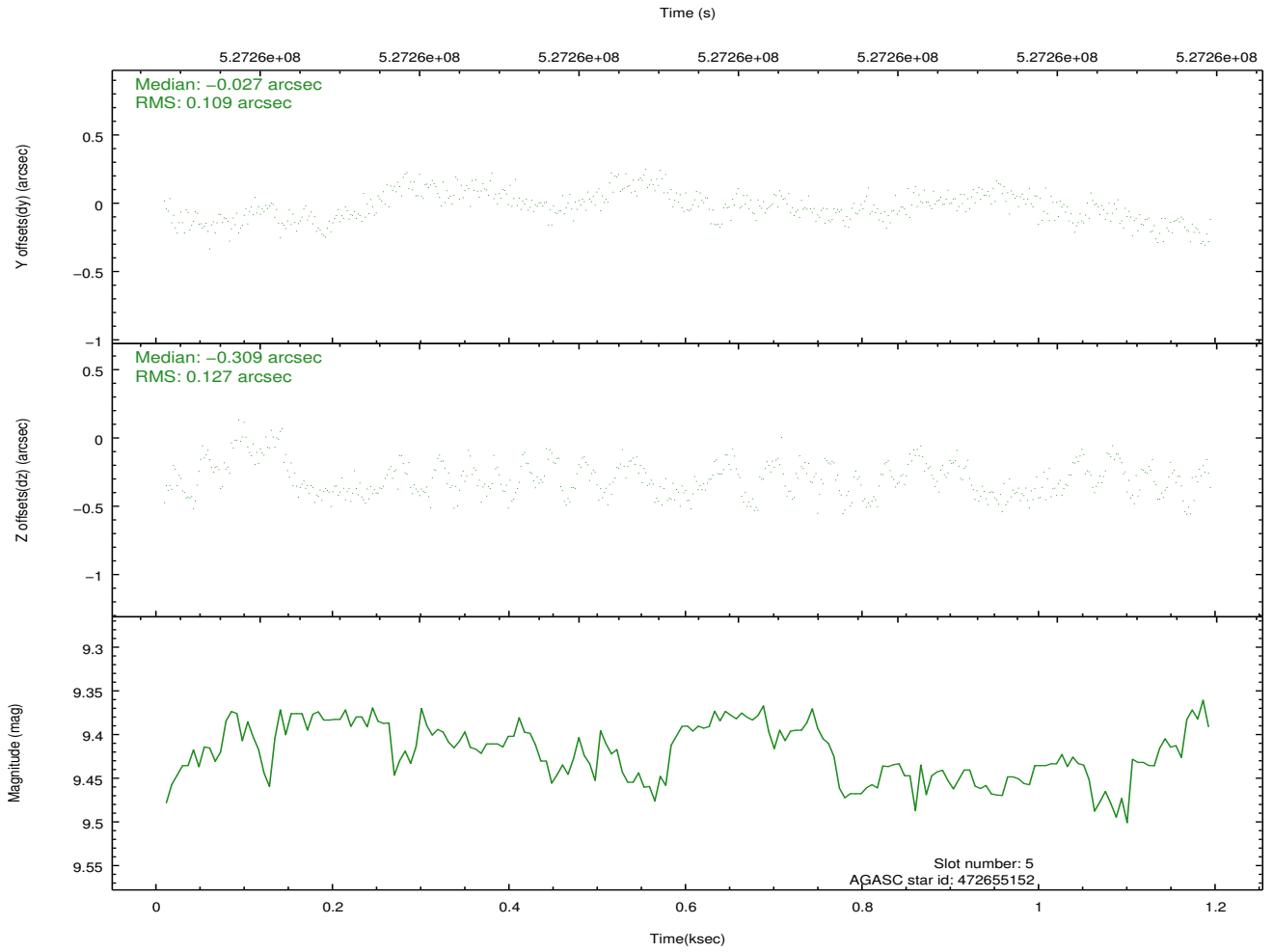
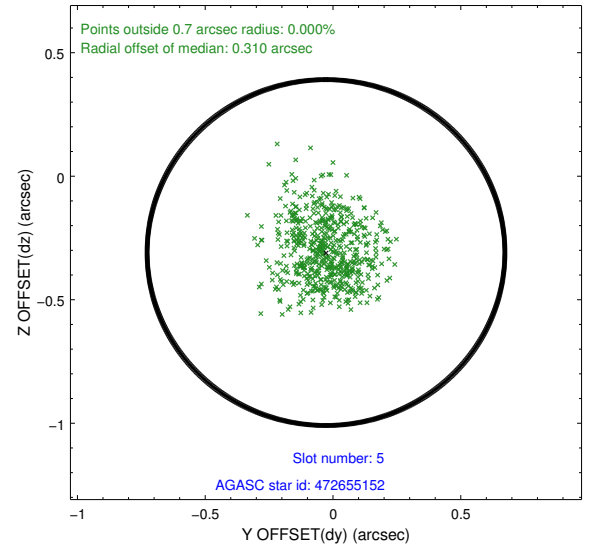
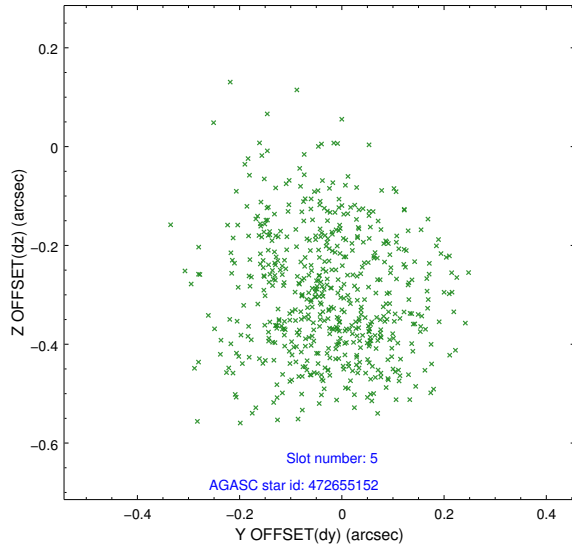
2.4.1 Slot 3



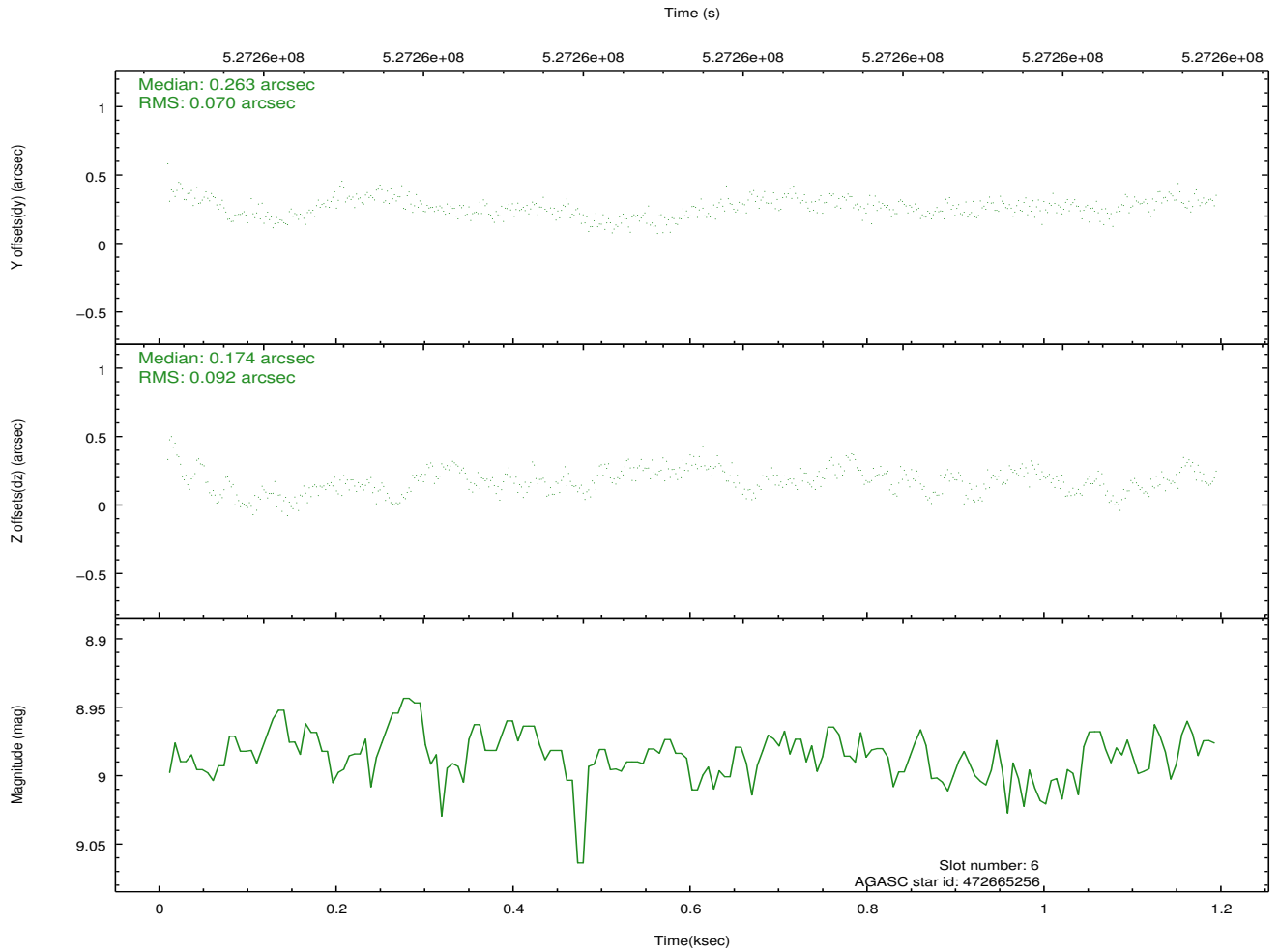
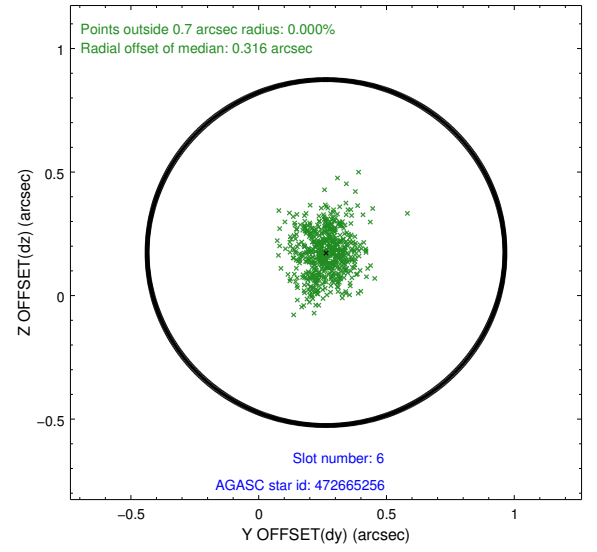
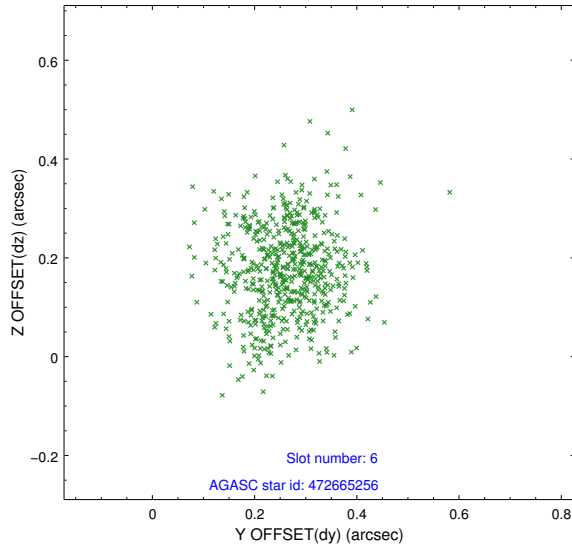
2.4.2 Slot 4



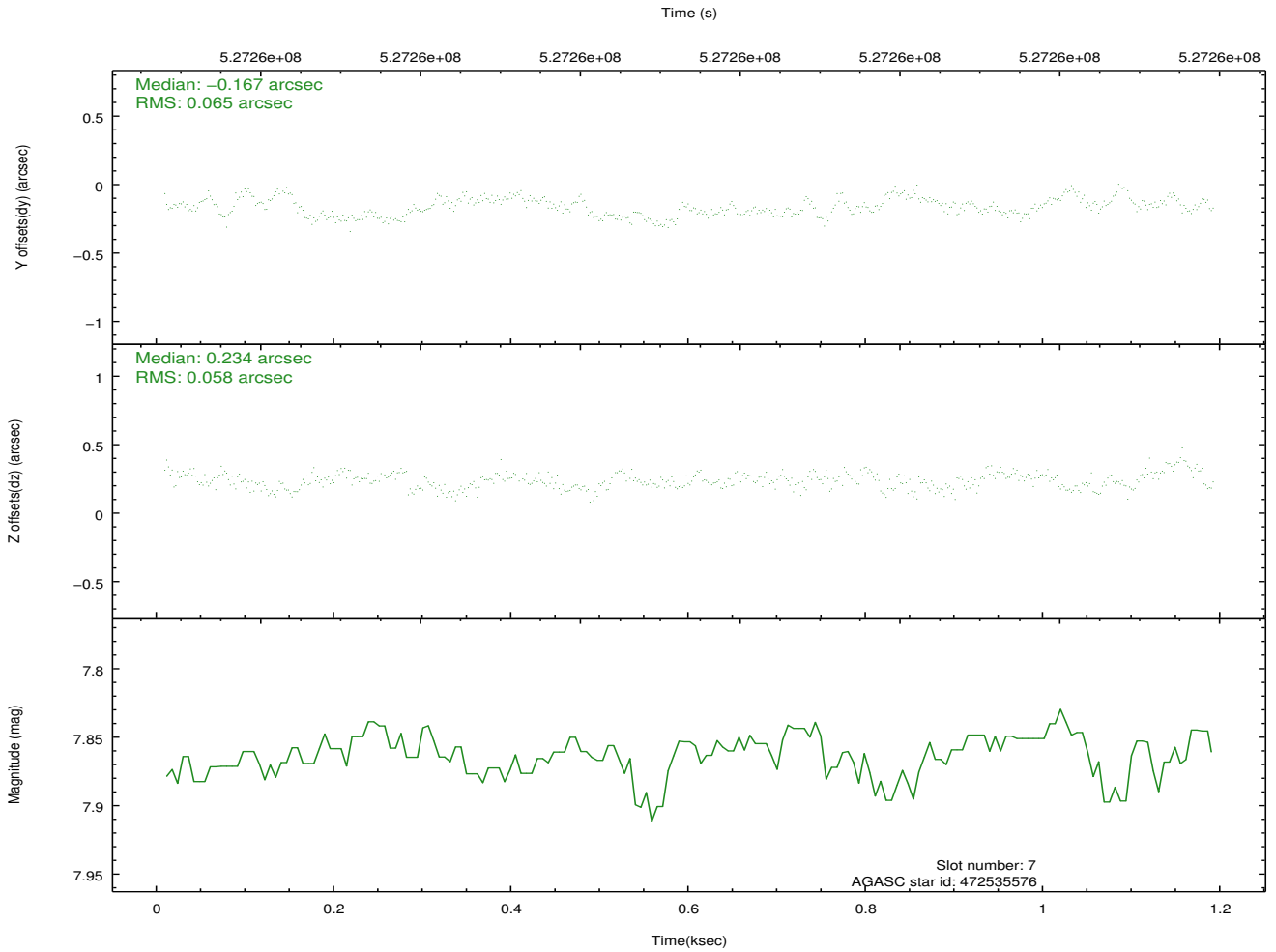
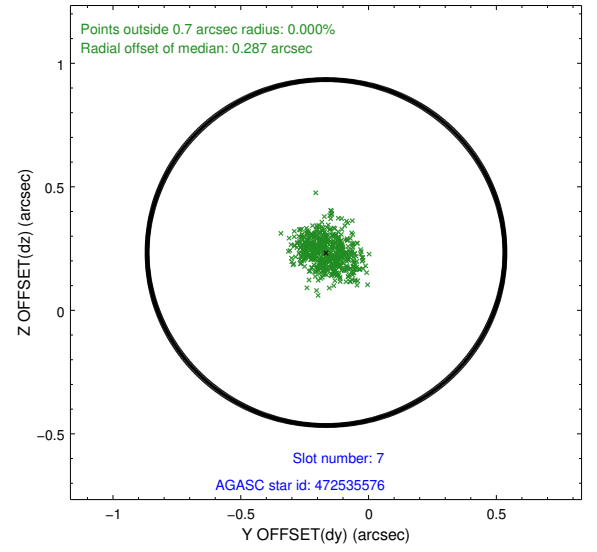
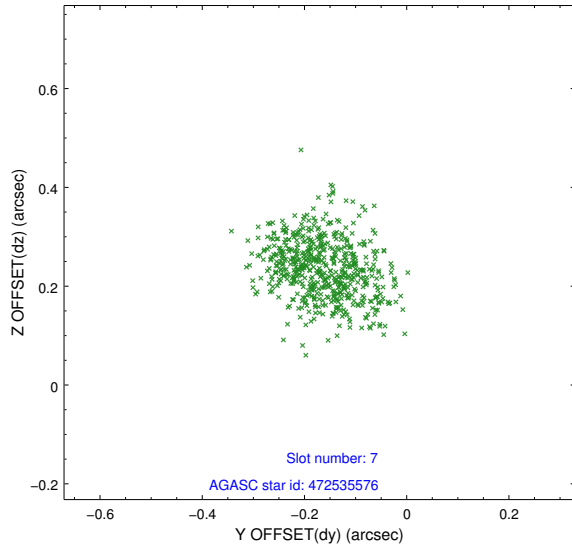
2.4.3 Slot 5



2.4.4 Slot 6

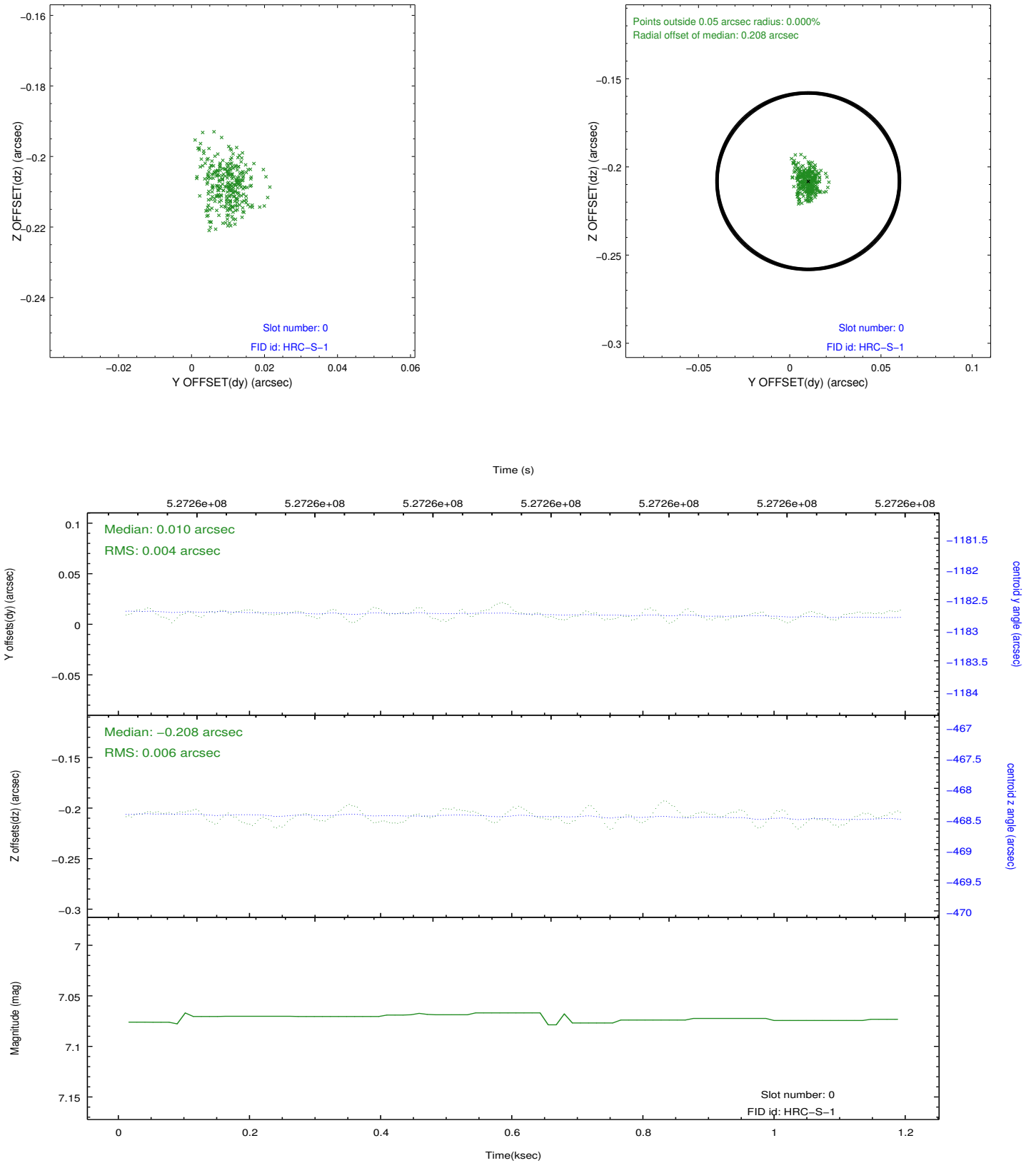


2.4.5 Slot 7

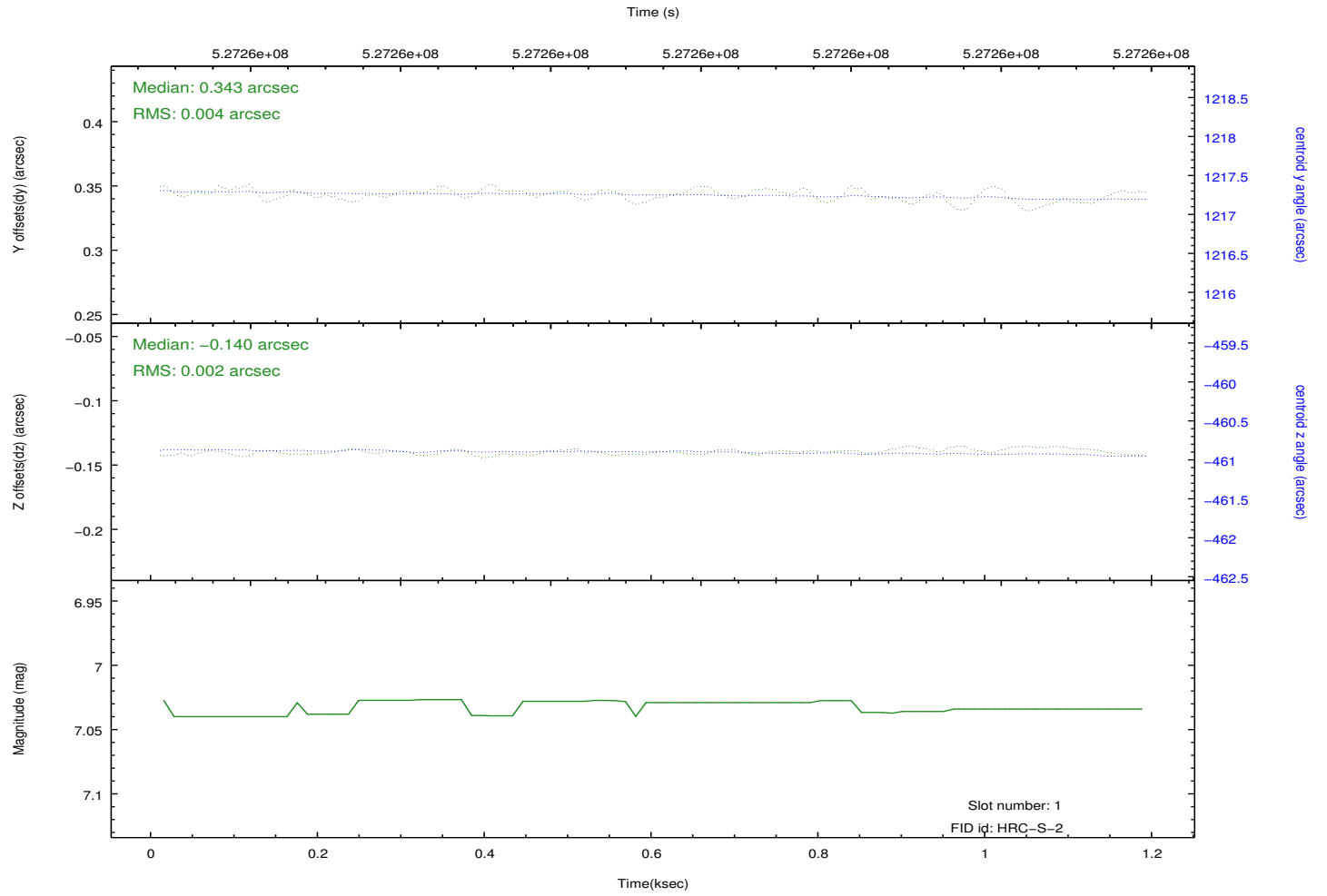
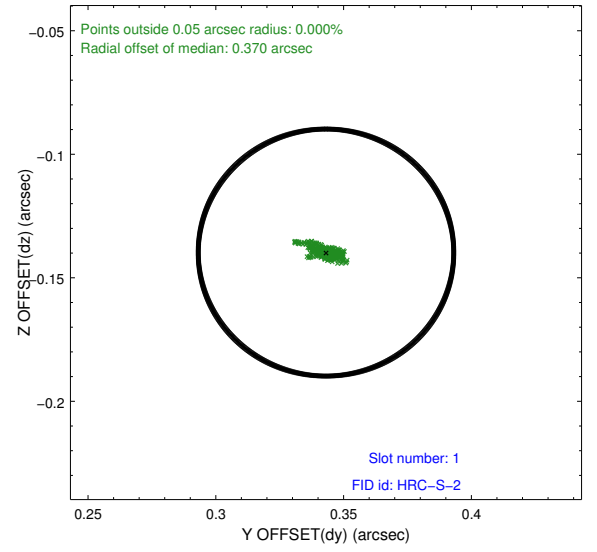
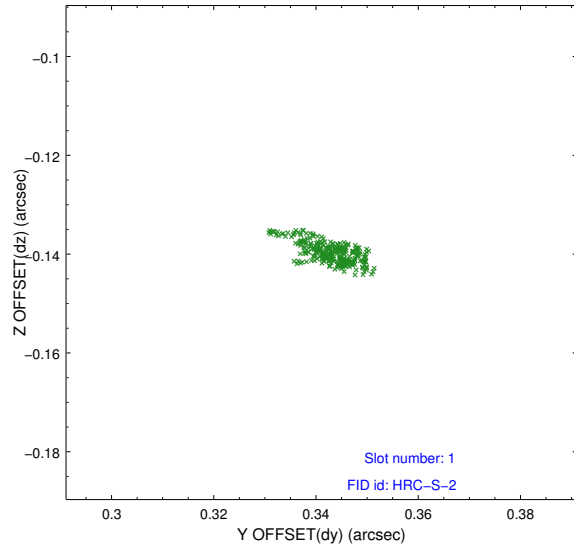


2.5 FID Slots

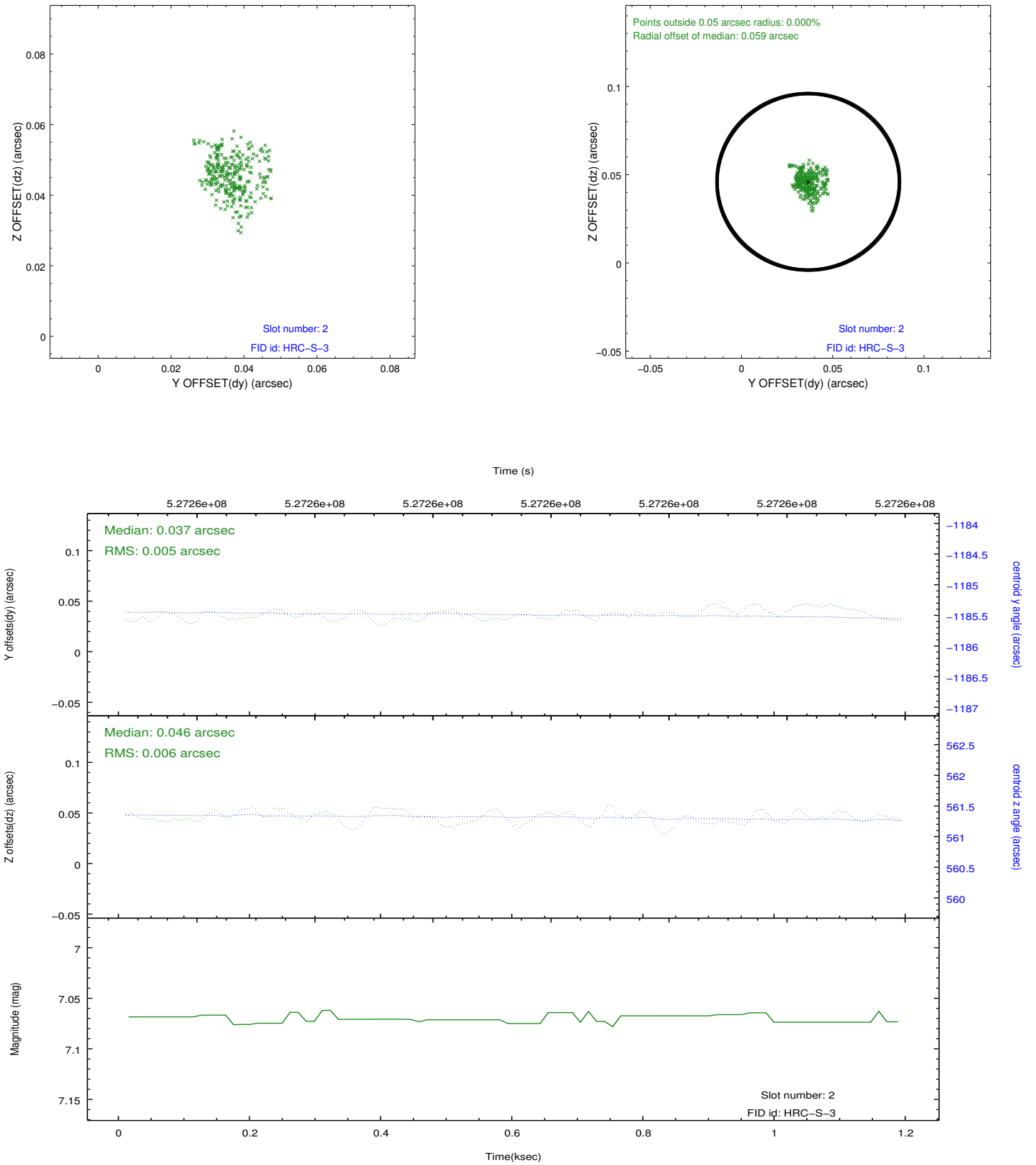
2.5.1 Slot 0



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)	2014.09.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.15543131423

A.2 Comments