

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 16408 - L2 Version 1
Chandra X-Ray Center

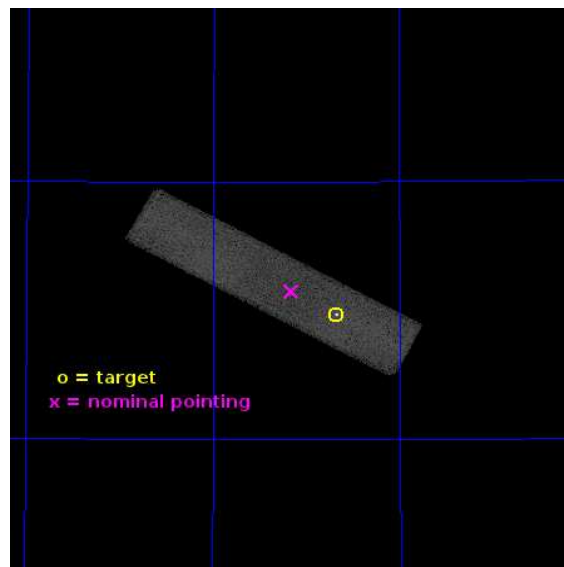
L2 Processing Date : Sep 17 2014

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

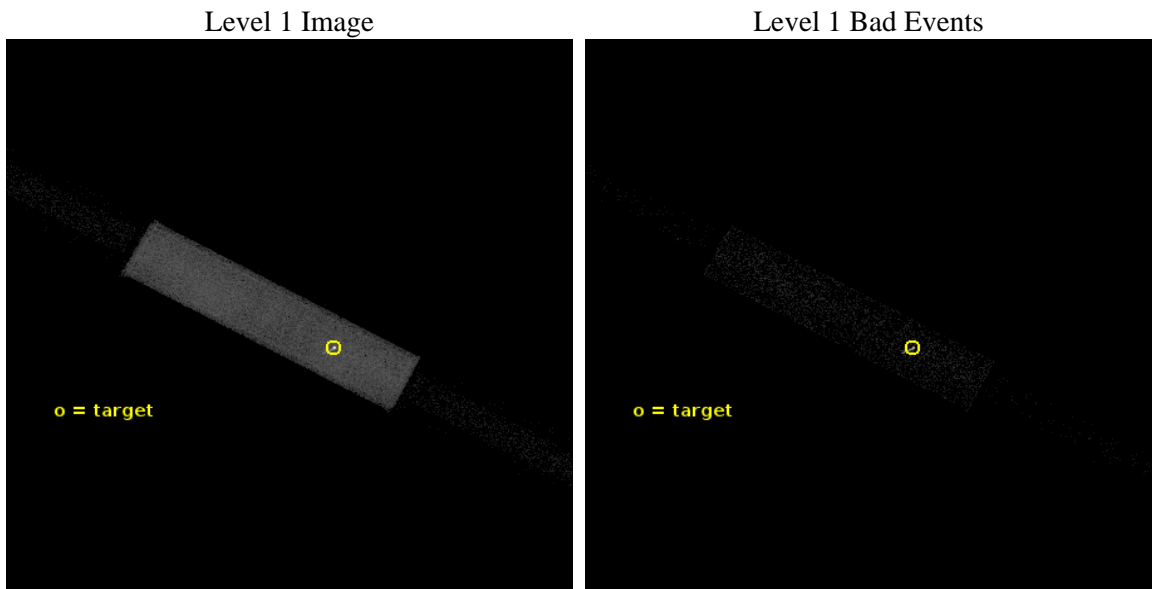
seq_num	291180	Sequence number
obs_id	16408	Observation id
title	AO-15 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.28980044709	Nominal RA [deg]
dec_nom	45.787337847224	Nominal Dec [deg]
roll_nom	208.11870558701	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1155.4313141108	[s]
livetime	1143.8796870667	Ontime multiplied by DTCOR
l2events	84764	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	1155.4313141108	[s]
caldsver	4.6.3	 	l1events	123344	Number of level 1 events
date	2014-09-17T03:48:52	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

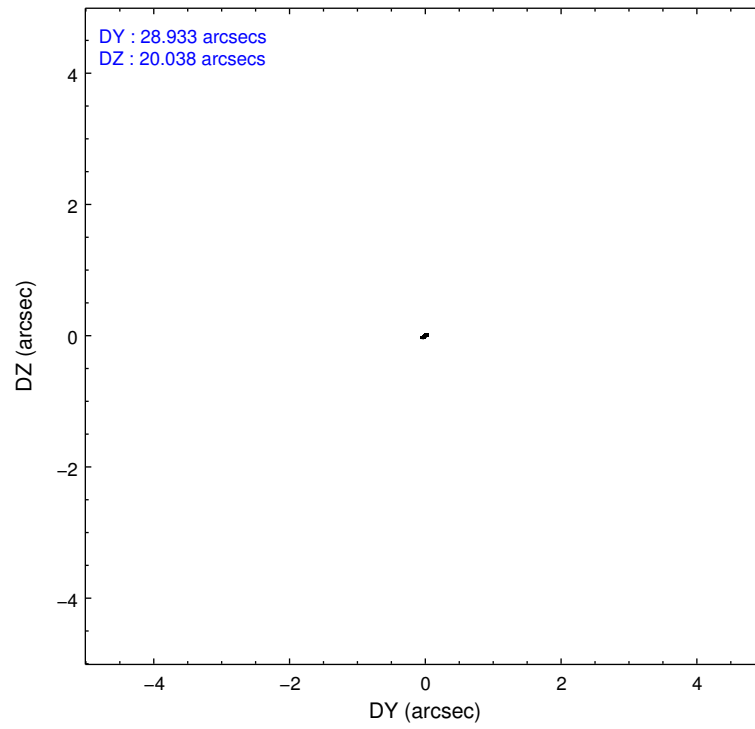
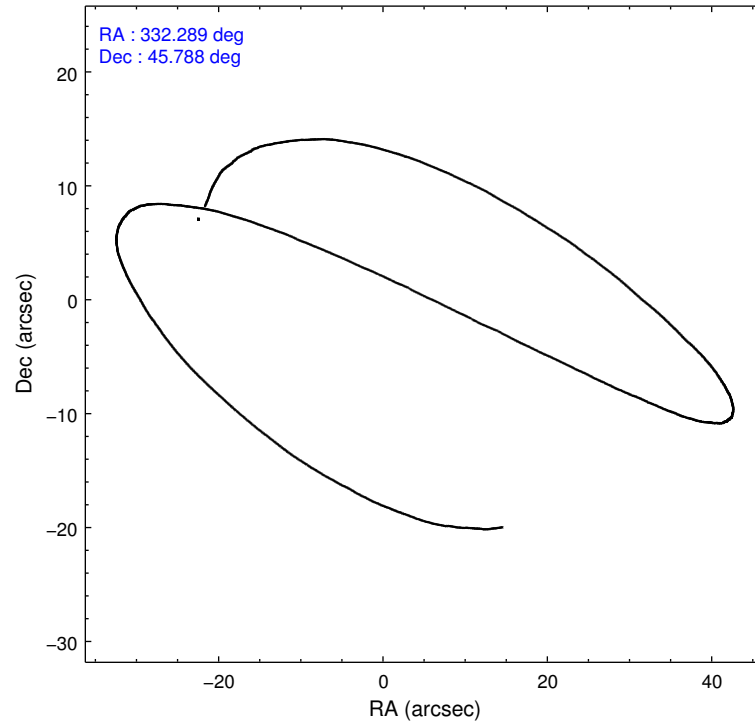
	segment 1	segment 2	segment 3
level 1 events	1450	120584	1310
rejected events	1450	26427	1310
rejected %	100%	21%	100%

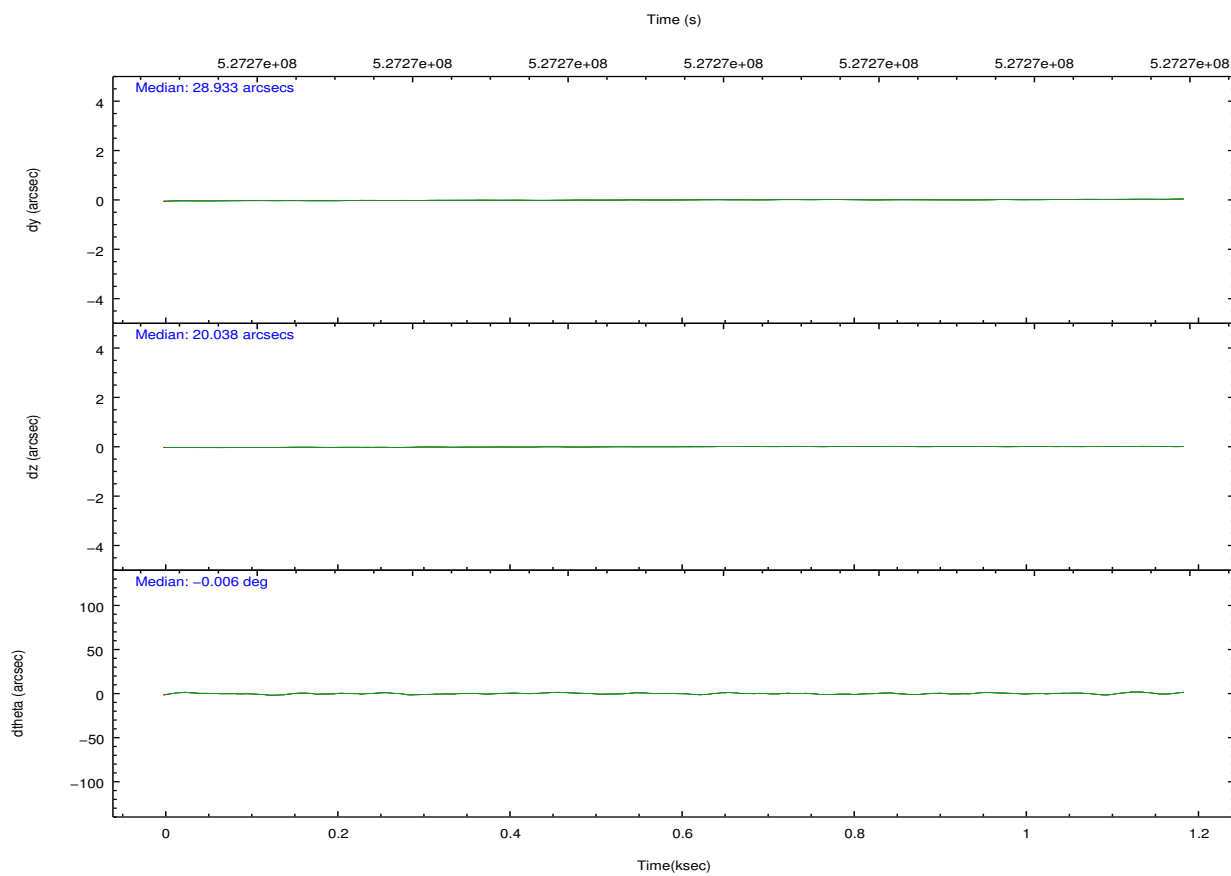
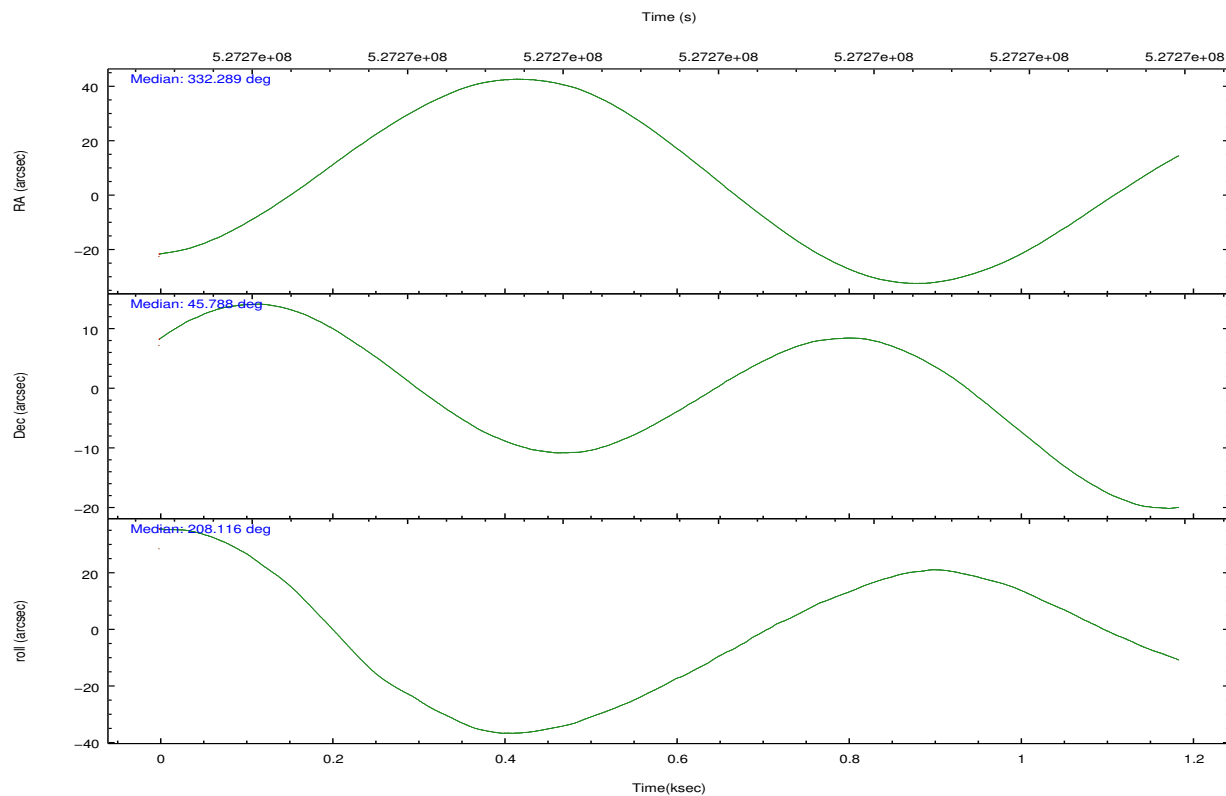
2.2 Compared Parameters

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	332.310370	332.2898004470901
[deg] Pointing Dec	45.812308	45.7873378472241
[deg] Pointing Roll	208.036554	208.1187055870096
[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)	527273528.184000	527273151.89094
Observation start date	2014-09-16T16:51:01	2014-09-16T16:45:51
[s] Observation end time (MET)	527274528.184000	527274661.71602
Observation end date	2014-09-16T17:07:41	2014-09-16T17:11:01

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

2.3 Aspect



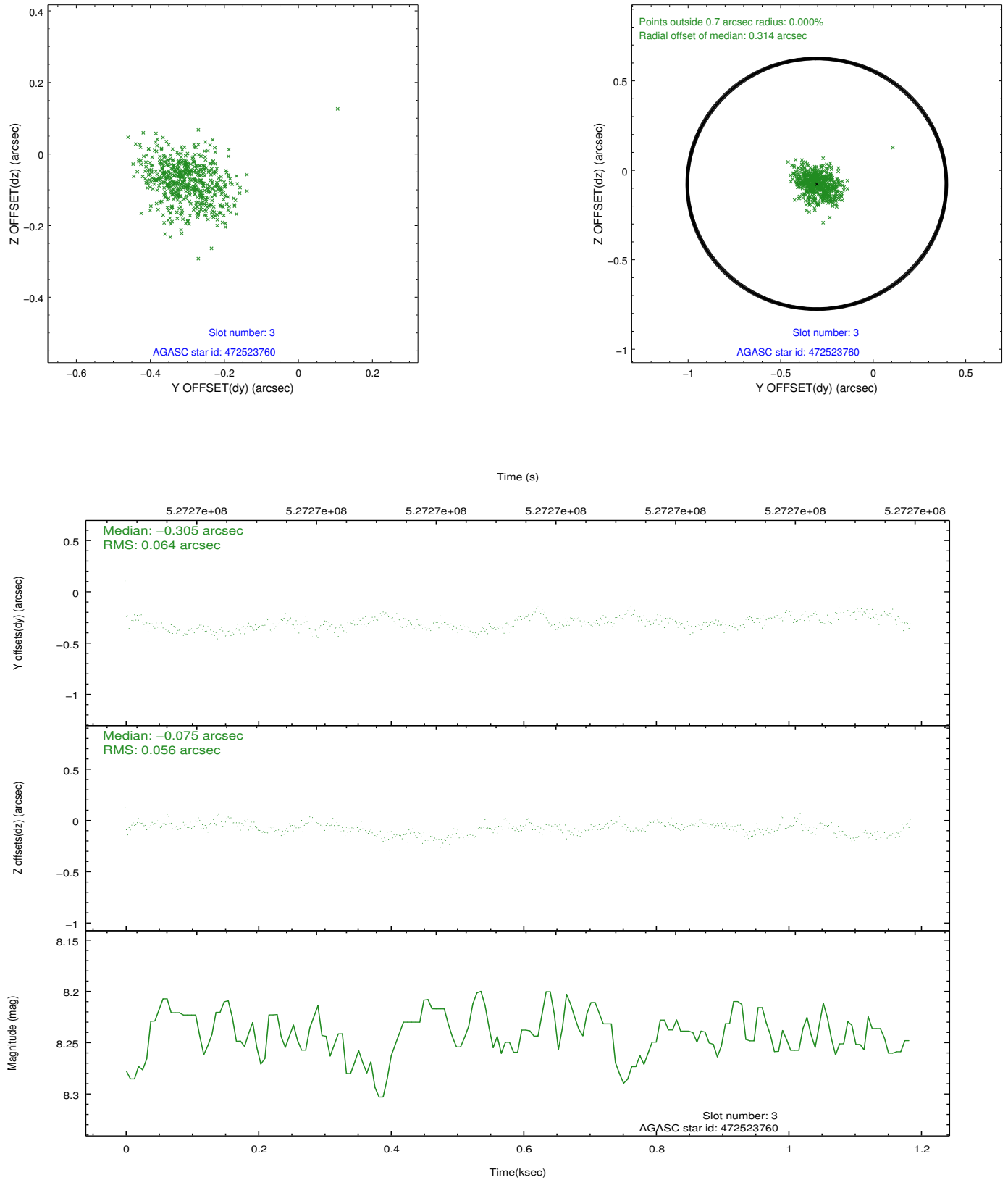


Slot Statistics

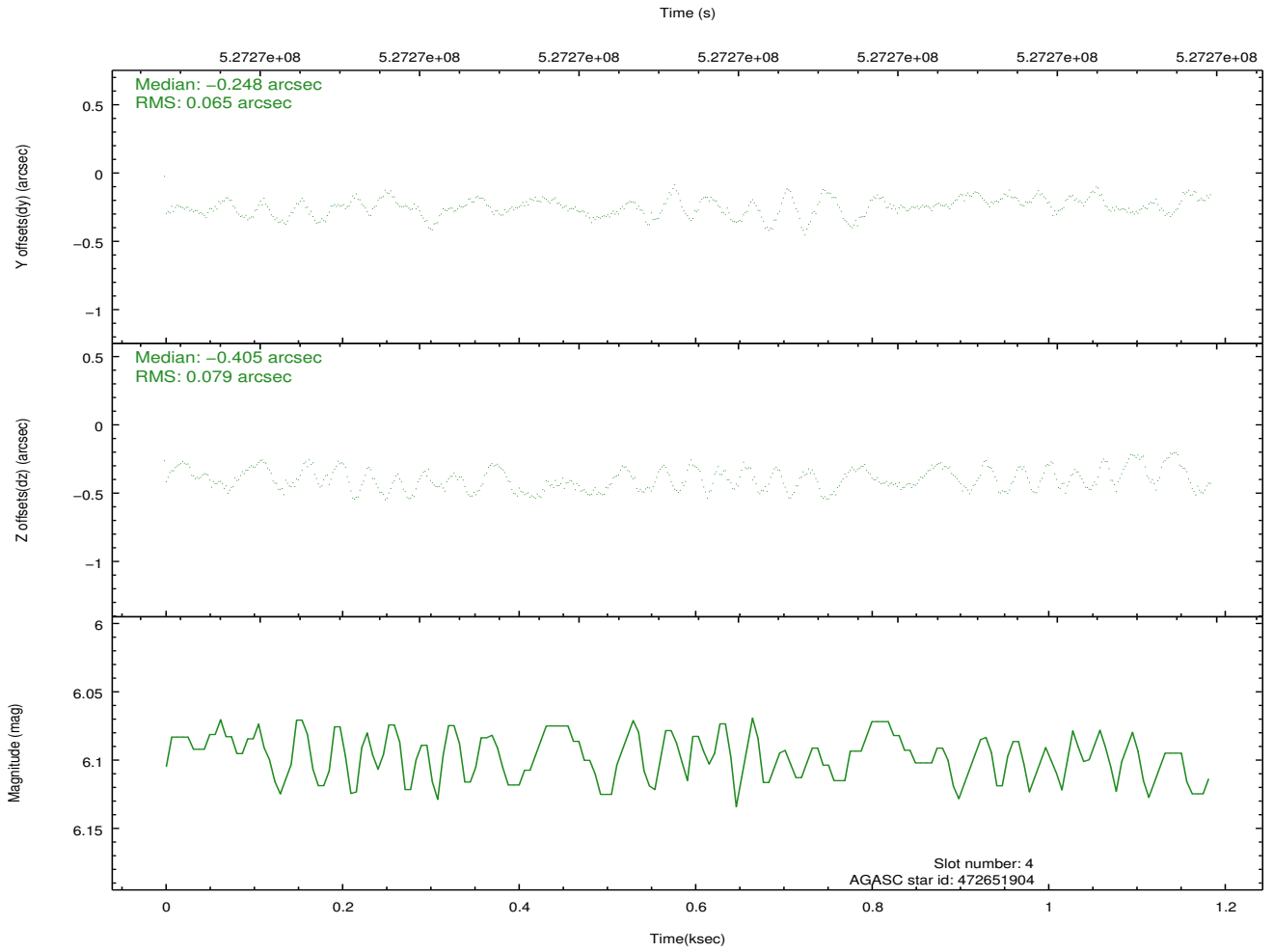
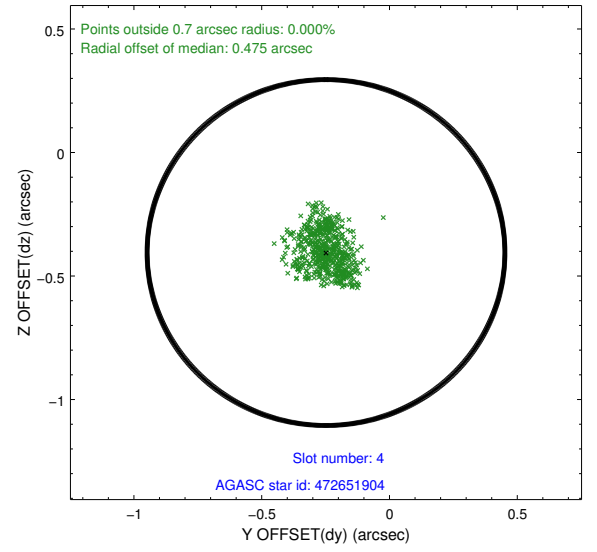
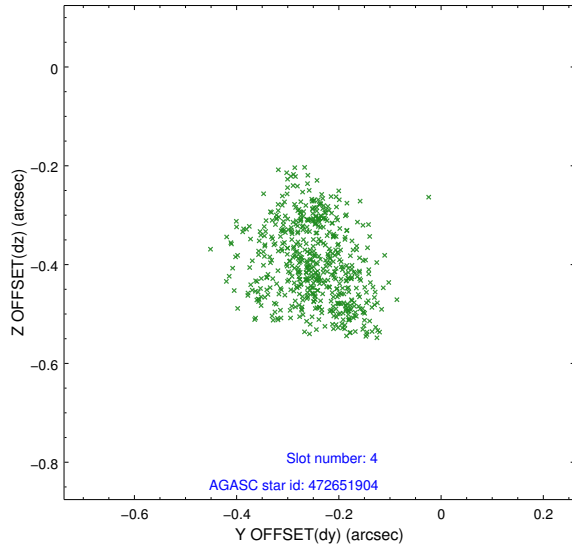
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.07	290	-0.008	-0.208	0.008	0.012	0.000000	0.000000	-1183.76	-469.18
1	FID	HRC-S-2	7.03	290	0.352	-0.136	0.005	0.010	0.000000	0.000000	1212.18	-463.25
2	FID	HRC-S-3	7.07	290	0.046	0.041	0.007	0.012	0.000000	0.000000	-1182.29	558.99
3	GUIDE	472523760	8.24	579	-0.305	-0.075	0.090	0.145	331.645363	45.403260	2172.28	505.21
4	GUIDE	472651904	6.10	579	-0.248	-0.405	0.114	0.169	332.170077	45.742257	433.27	57.74
5	GUIDE	472655152	9.42	579	0.130	-0.150	0.187	0.279	332.504239	45.862991	-514.23	68.57
6	GUIDE	472665256	8.98	577	0.303	0.263	0.120	0.267	332.808125	46.195041	-1744.91	-634.69
7	GUIDE	472533912	9.16	578	0.118	0.367	0.140	0.238	331.791136	46.368695	192.20	-2376.99

2.4 Star Slots

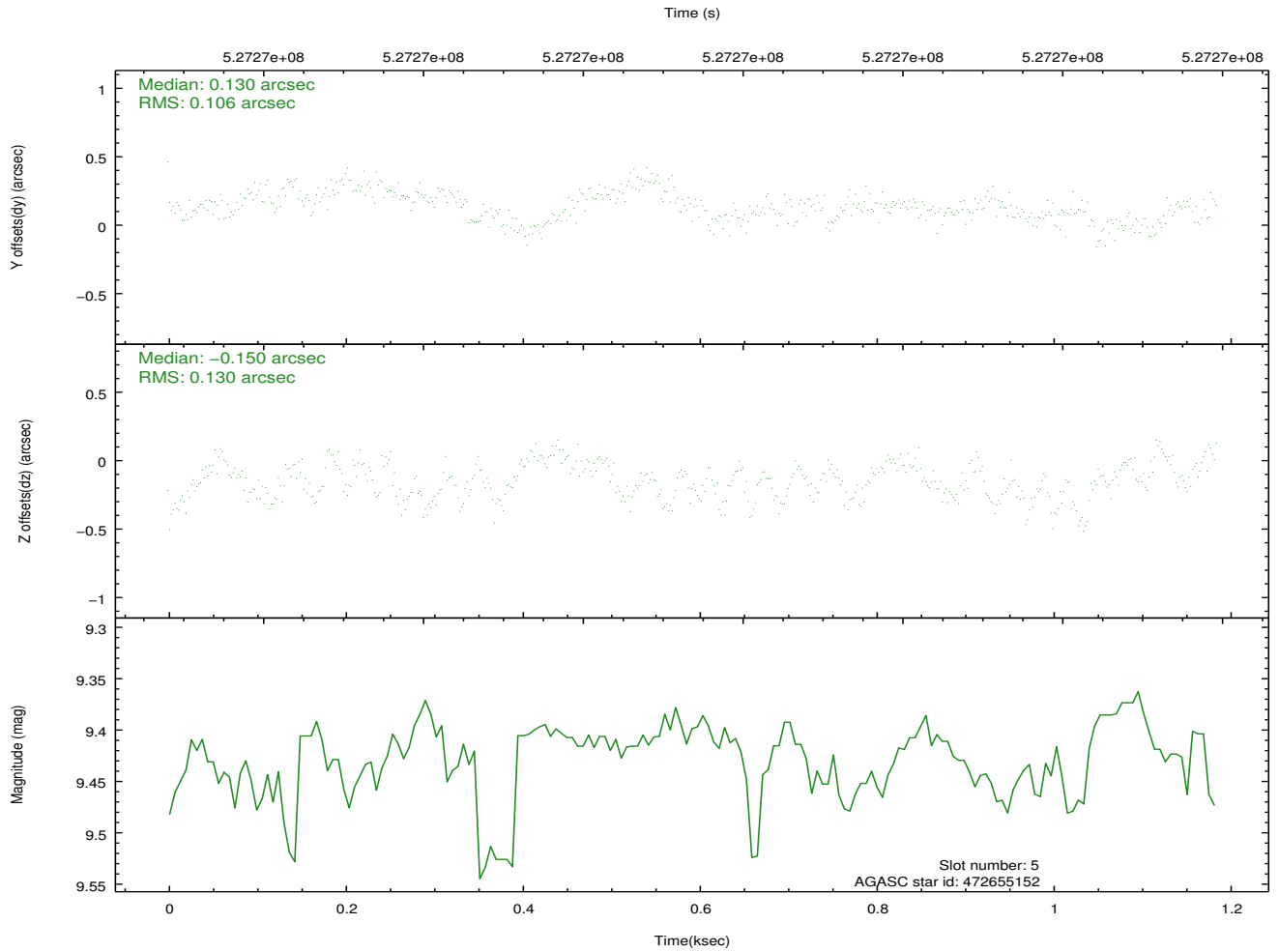
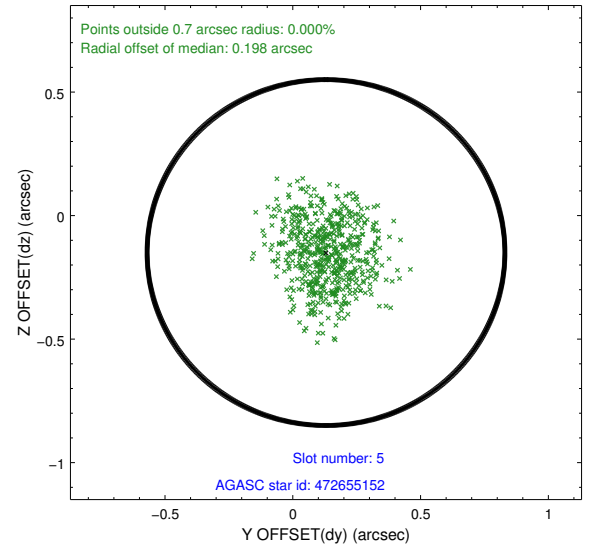
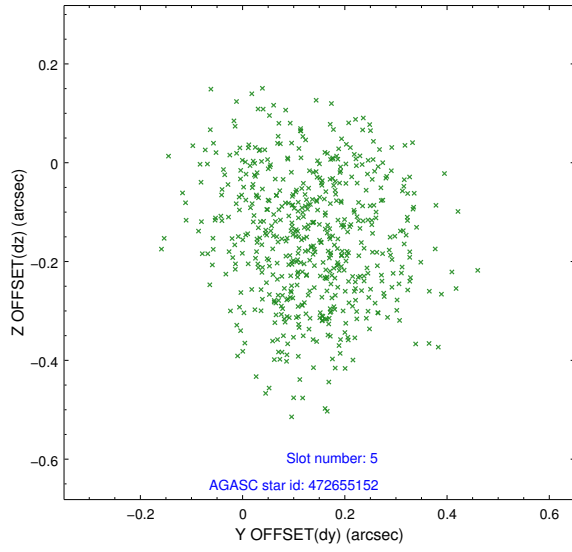
2.4.1 Slot 3



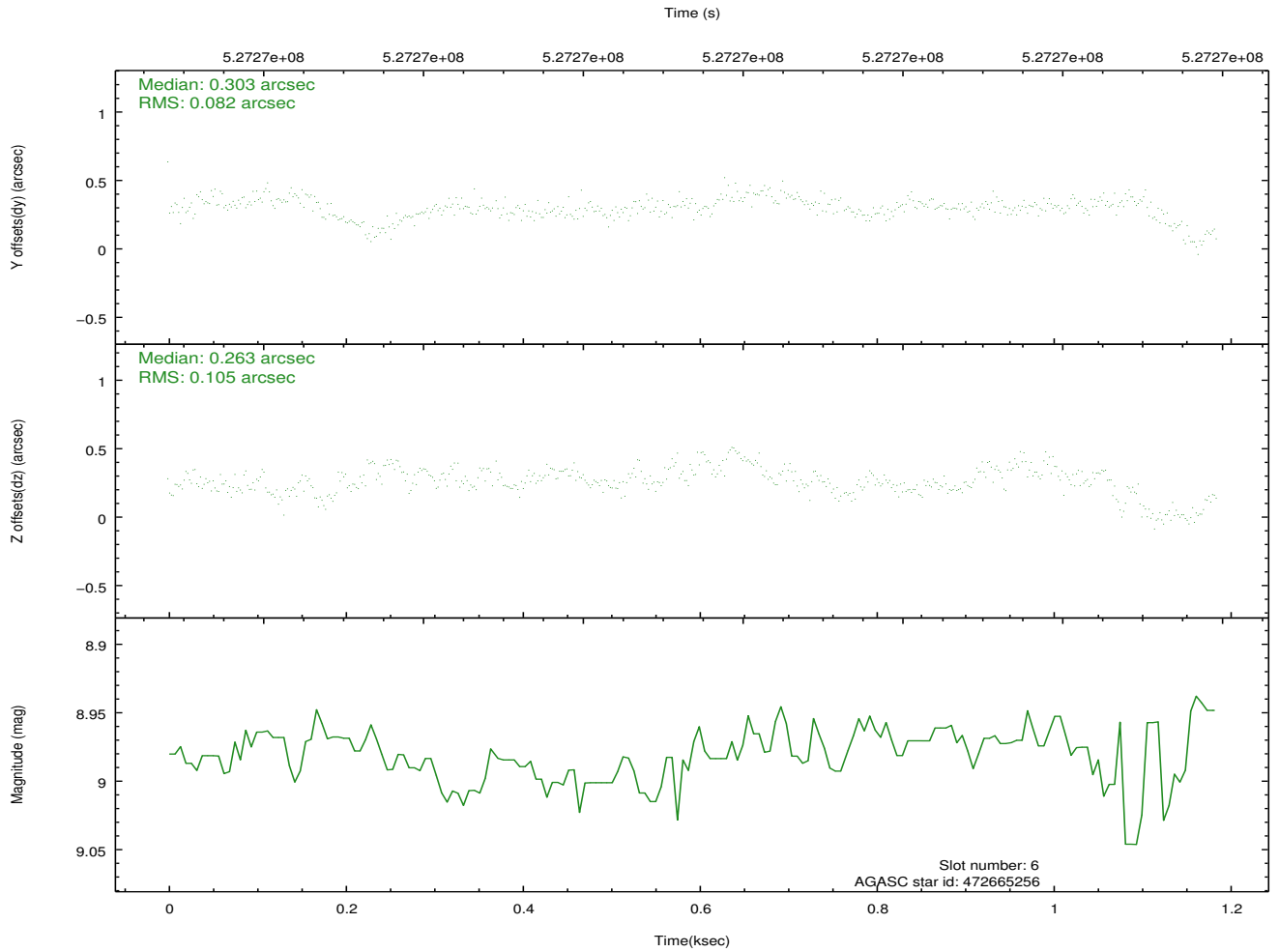
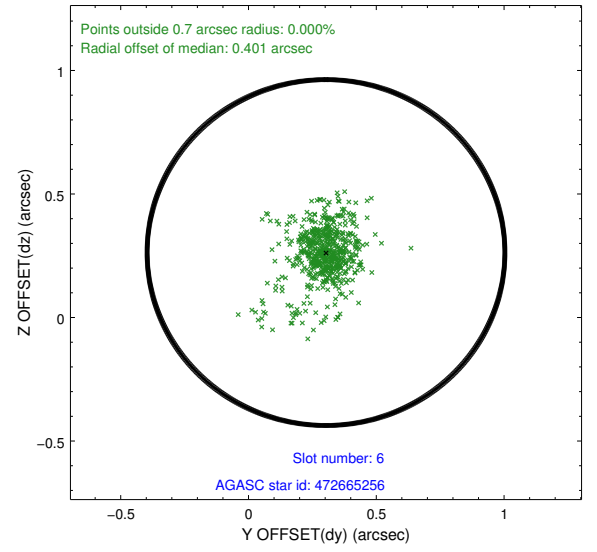
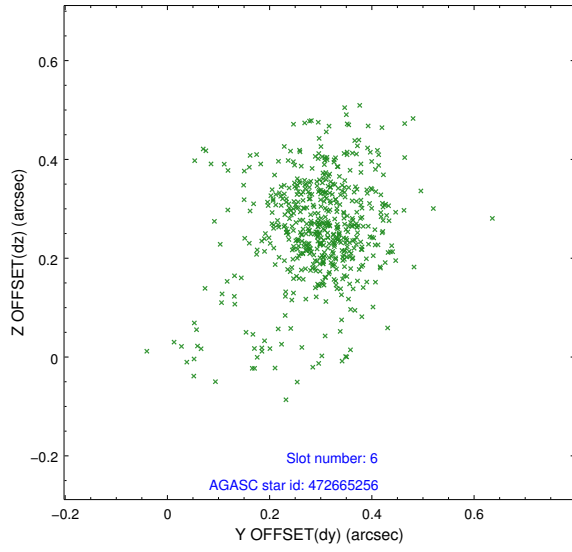
2.4.2 Slot 4



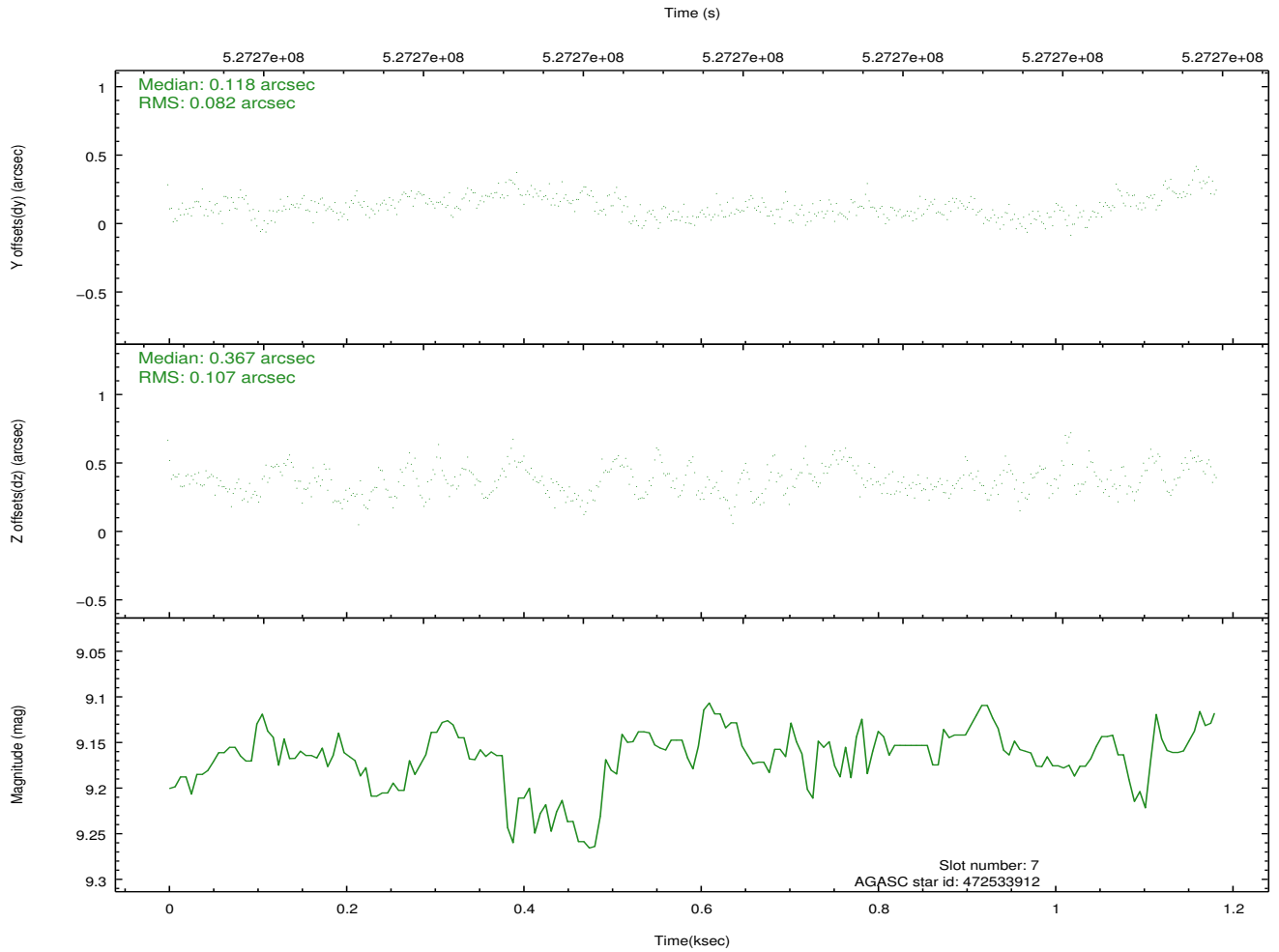
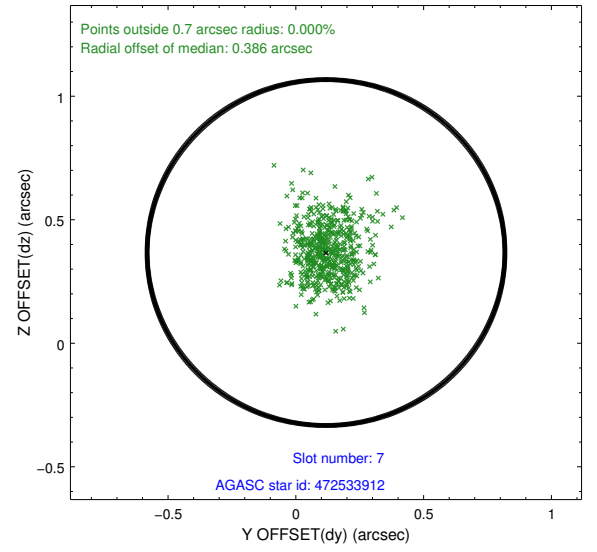
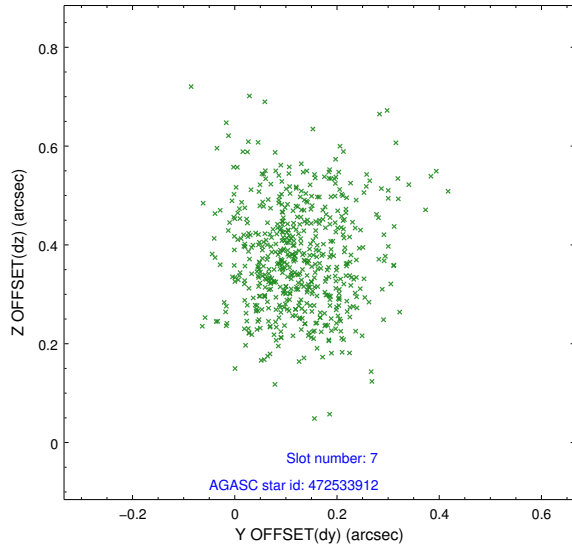
2.4.3 Slot 5



2.4.4 Slot 6

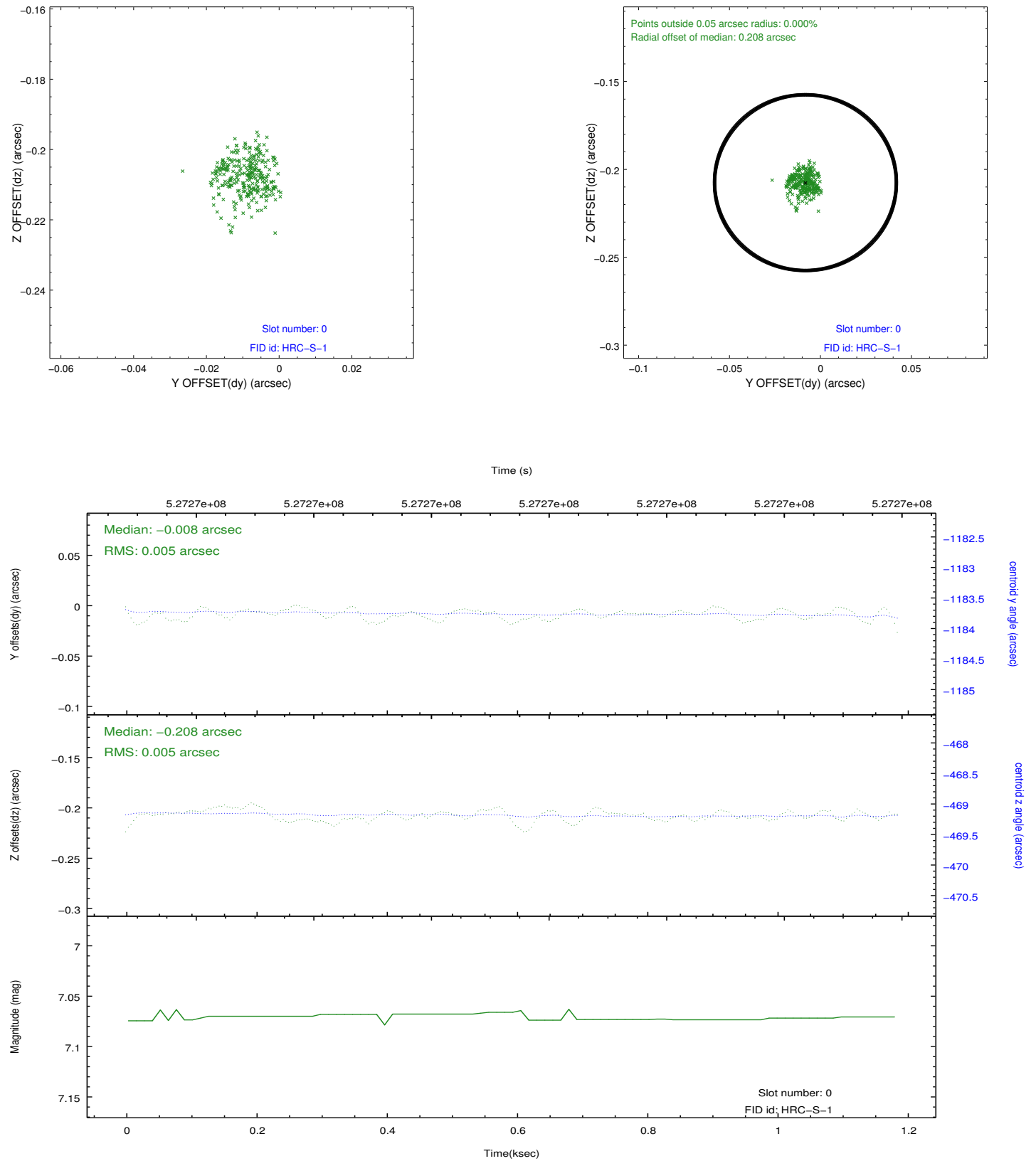


2.4.5 Slot 7

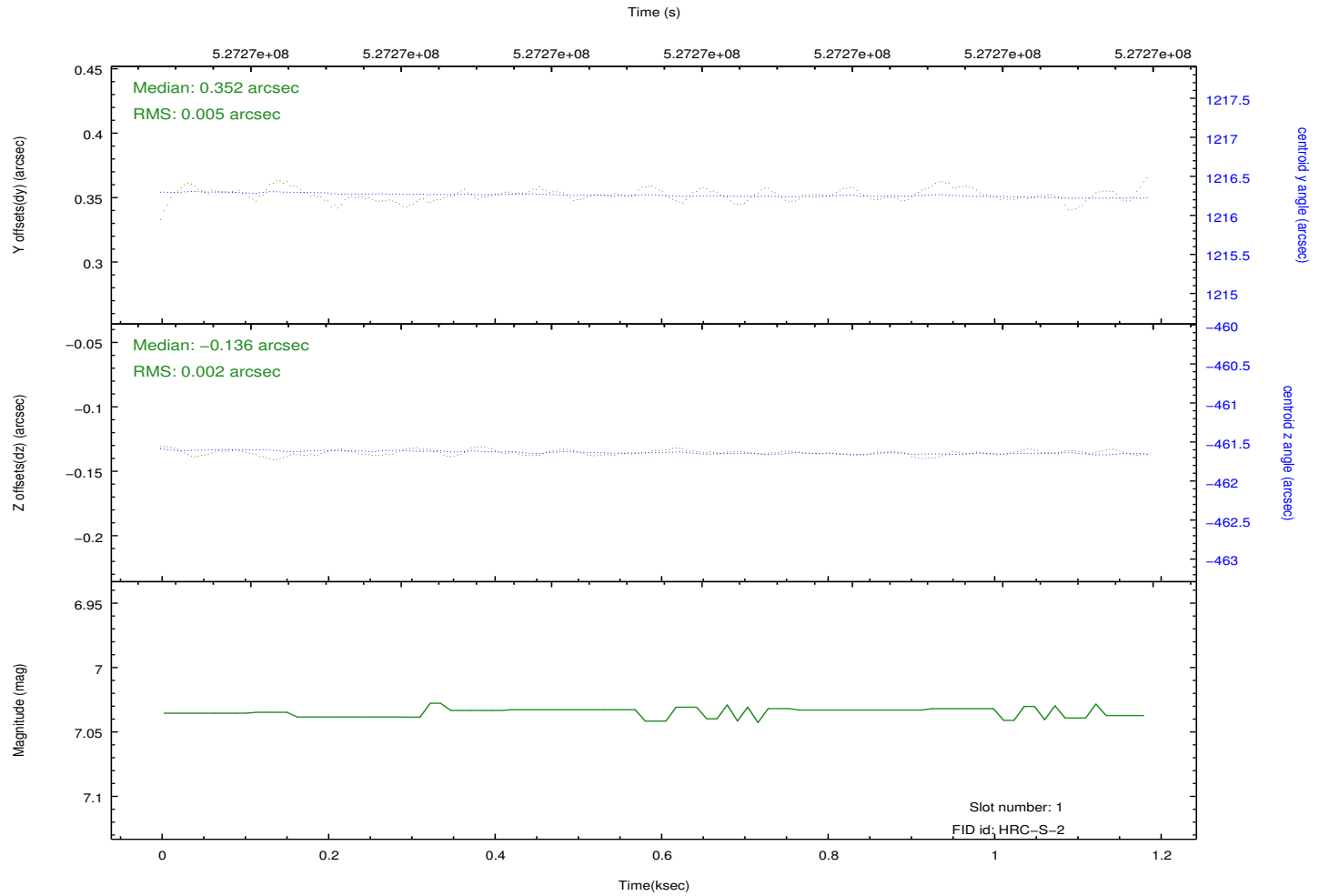
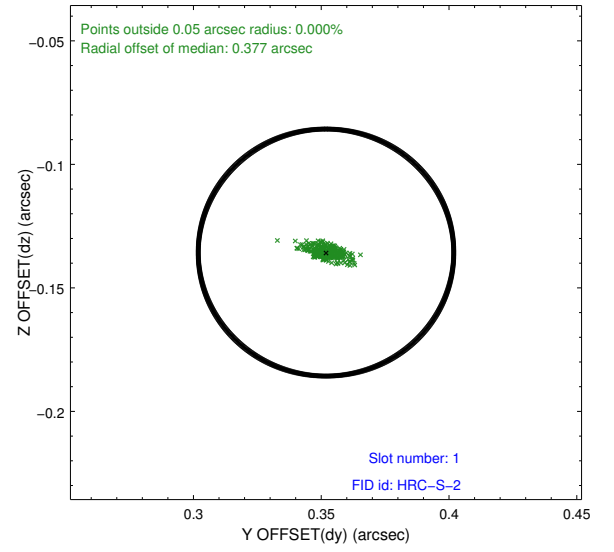
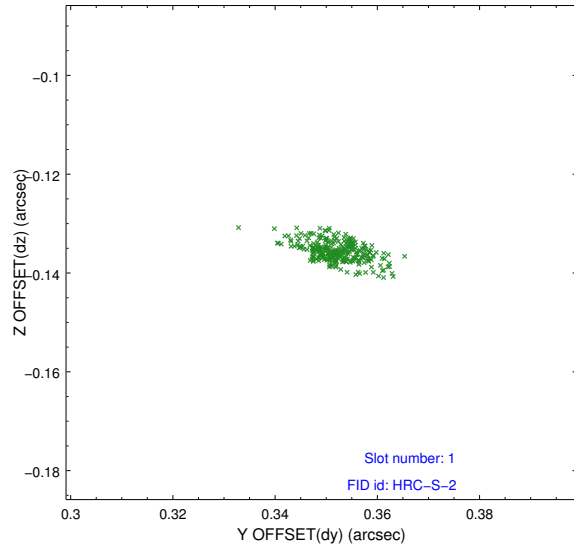


2.5 FID Slots

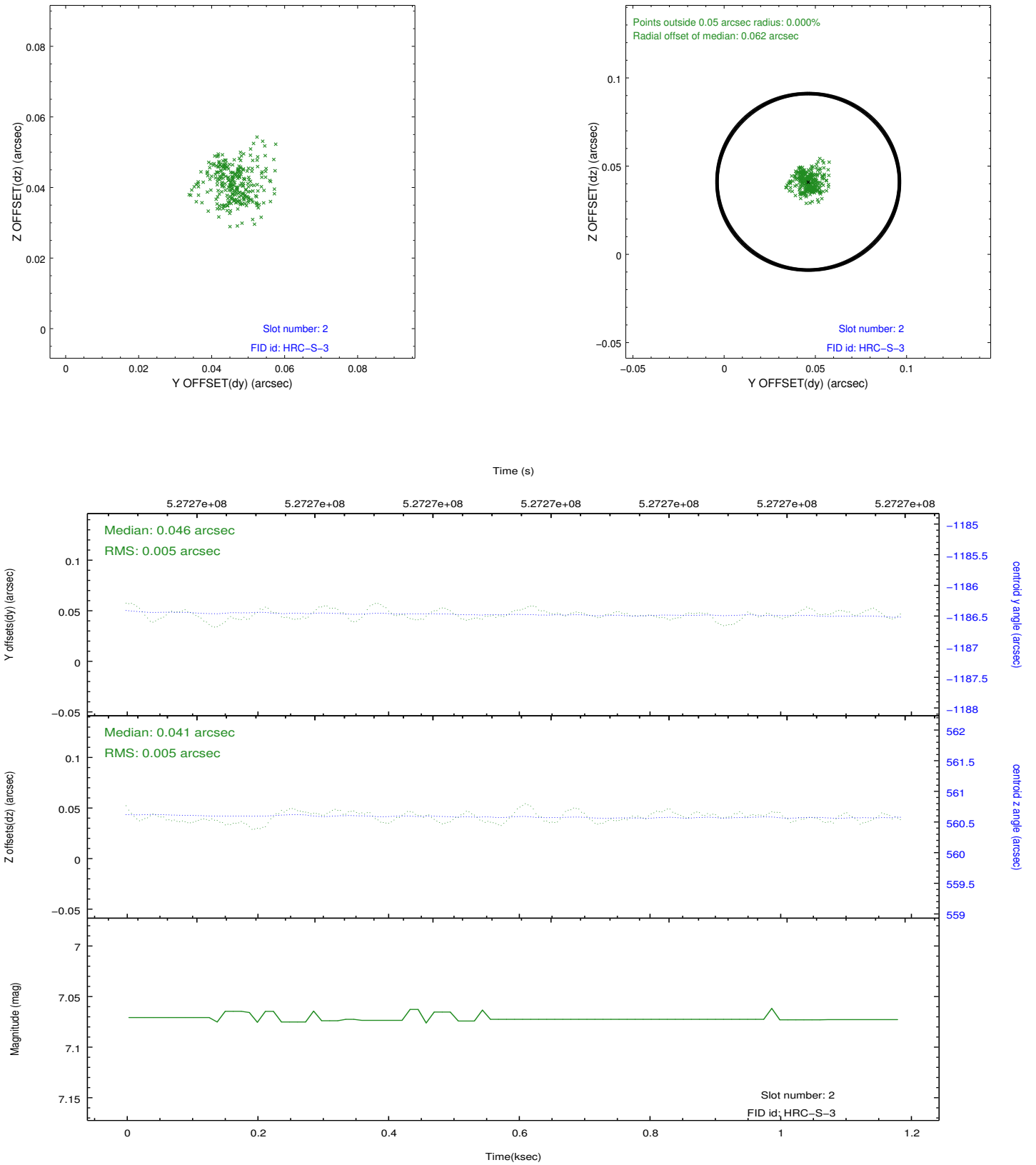
2.5.1 Slot 0



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)	2014.09.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1554313141108

A.2 Comments