

V&V Reference Report

L2 ASCDS Version : 10.5.1.1

Observation 18381 - L2 Version 1
Chandra X-Ray Center

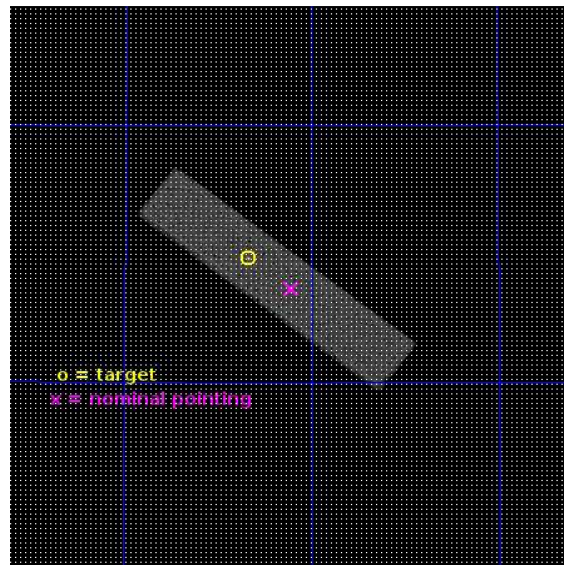
L2 Processing Date : Sep 23 2016

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

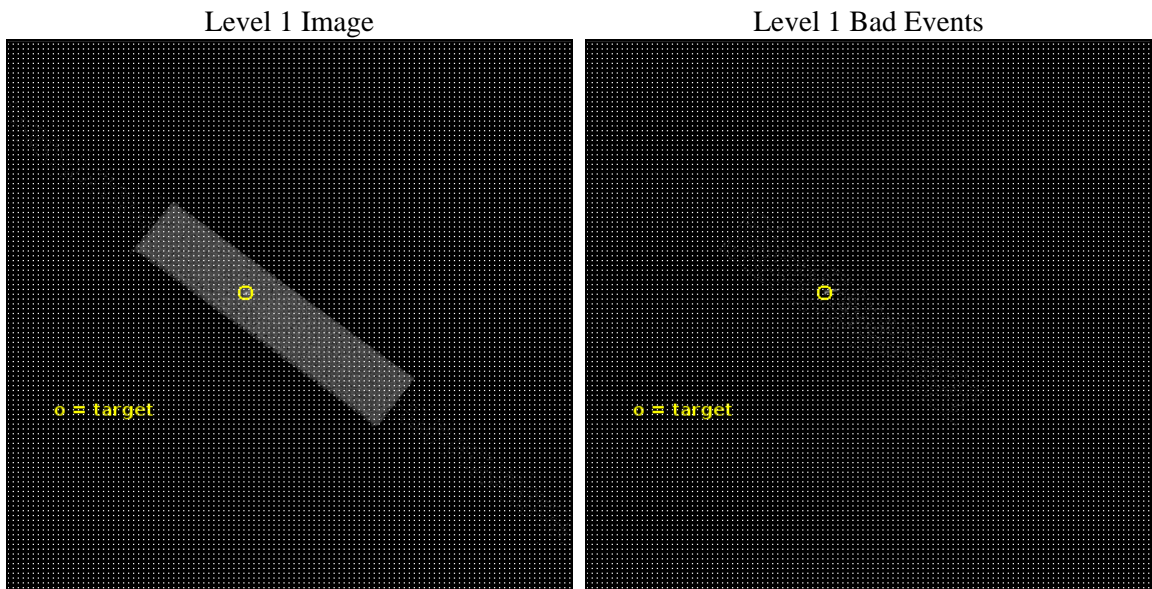
seq_num	291276	Sequence number
obs_id	18381	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.05368853208	Nominal RA [deg]
dec_nom	45.683149622584	Nominal Dec [deg]
roll_nom	217.30288920588	Nominal Roll [deg]
revision	1	Processing version of data
ontime	1180.0313179493	[s]
livetime	1171.3846979654	Ontime multiplied by DTCOR
l2events	66896	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	1180.0313179493	[s]
caldbver	4.7.2	 	l1events	100074	Number of level 1 events
date	2016-09-23T18:36:57	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

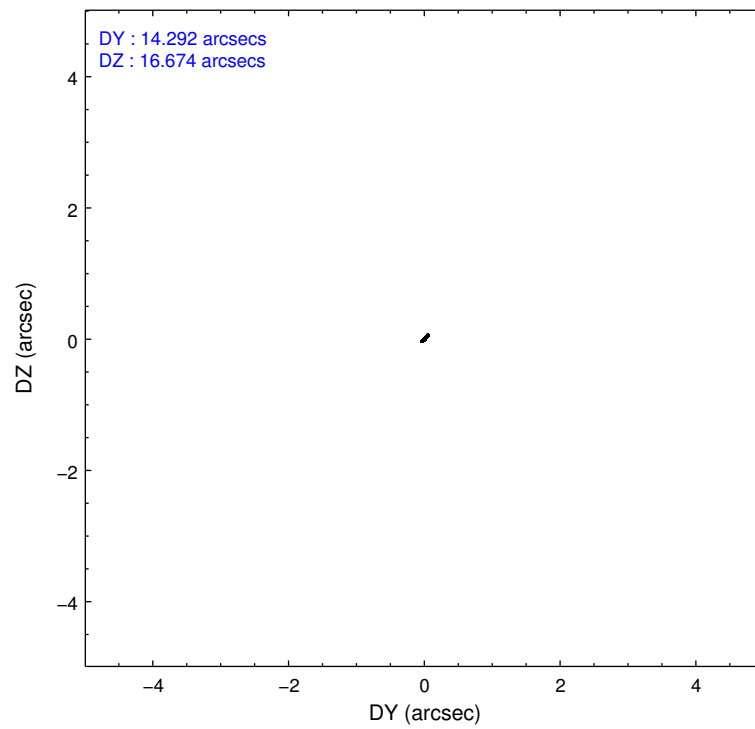
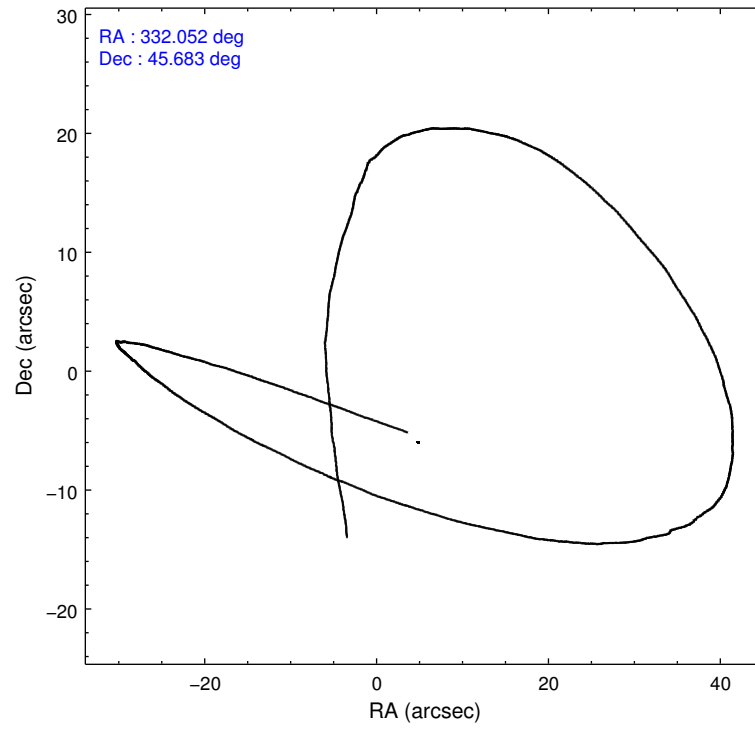
	segment 1	segment 2	segment 3
level 1 events	880	98396	798
rejected events	880	20938	798
rejected %	100%	21%	100%

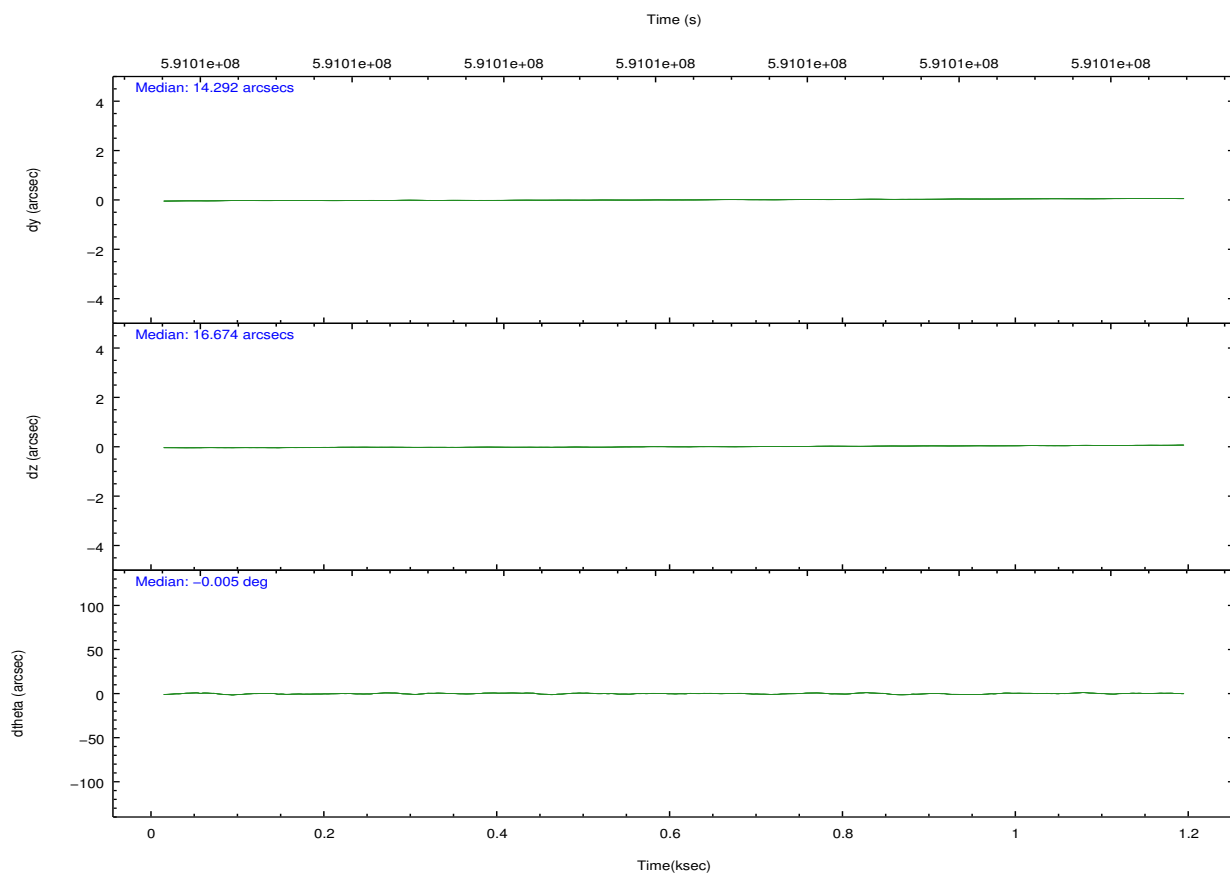
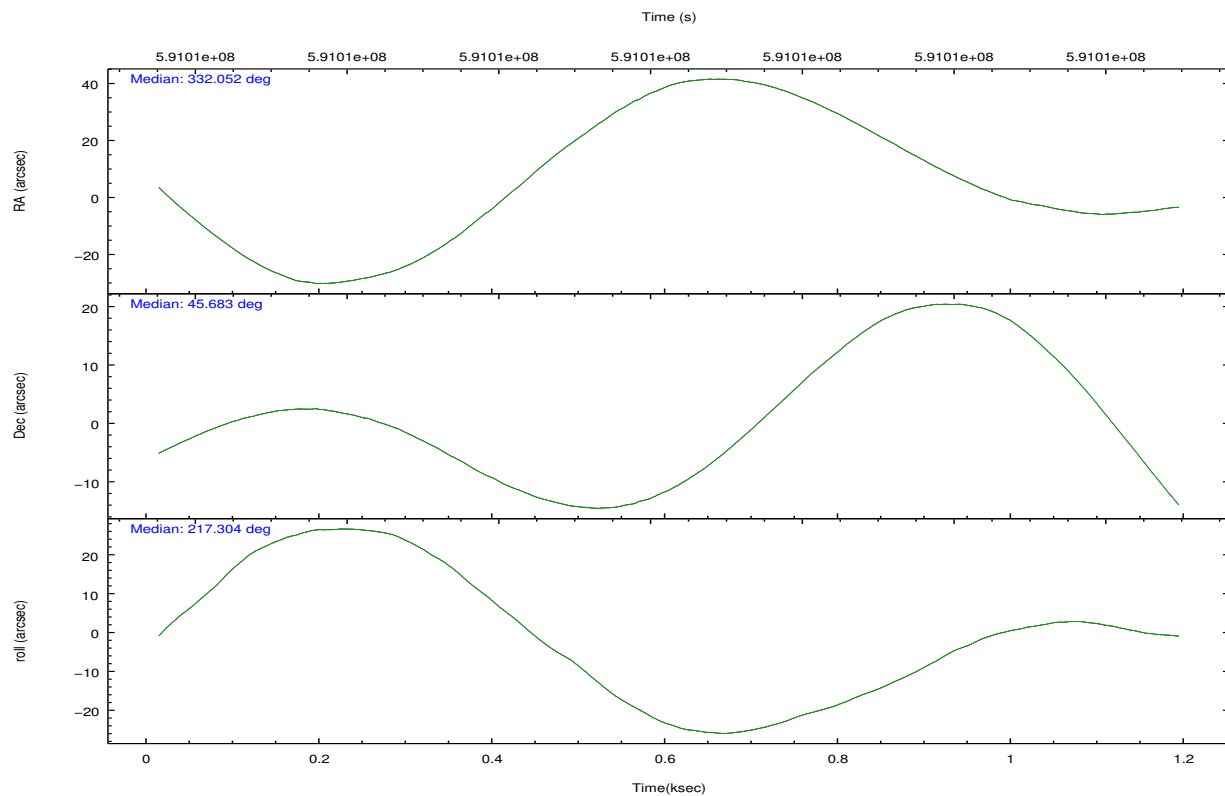
2.2 Compared Parameters

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	332.068967	332.0536885320837
[deg] Pointing Dec	45.709551	45.68314962258363
[deg] Pointing Roll	217.224551	217.3028892058838
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	591007812.184000	591007436.35402
Observation start date	2016-09-23T08:49:04	2016-09-23T08:43:56
[s] Observation end time (MET)	591008812.184000	591008946.1791101
Observation end date	2016-09-23T09:05:44	2016-09-23T09:09:06

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

2.3 Aspect



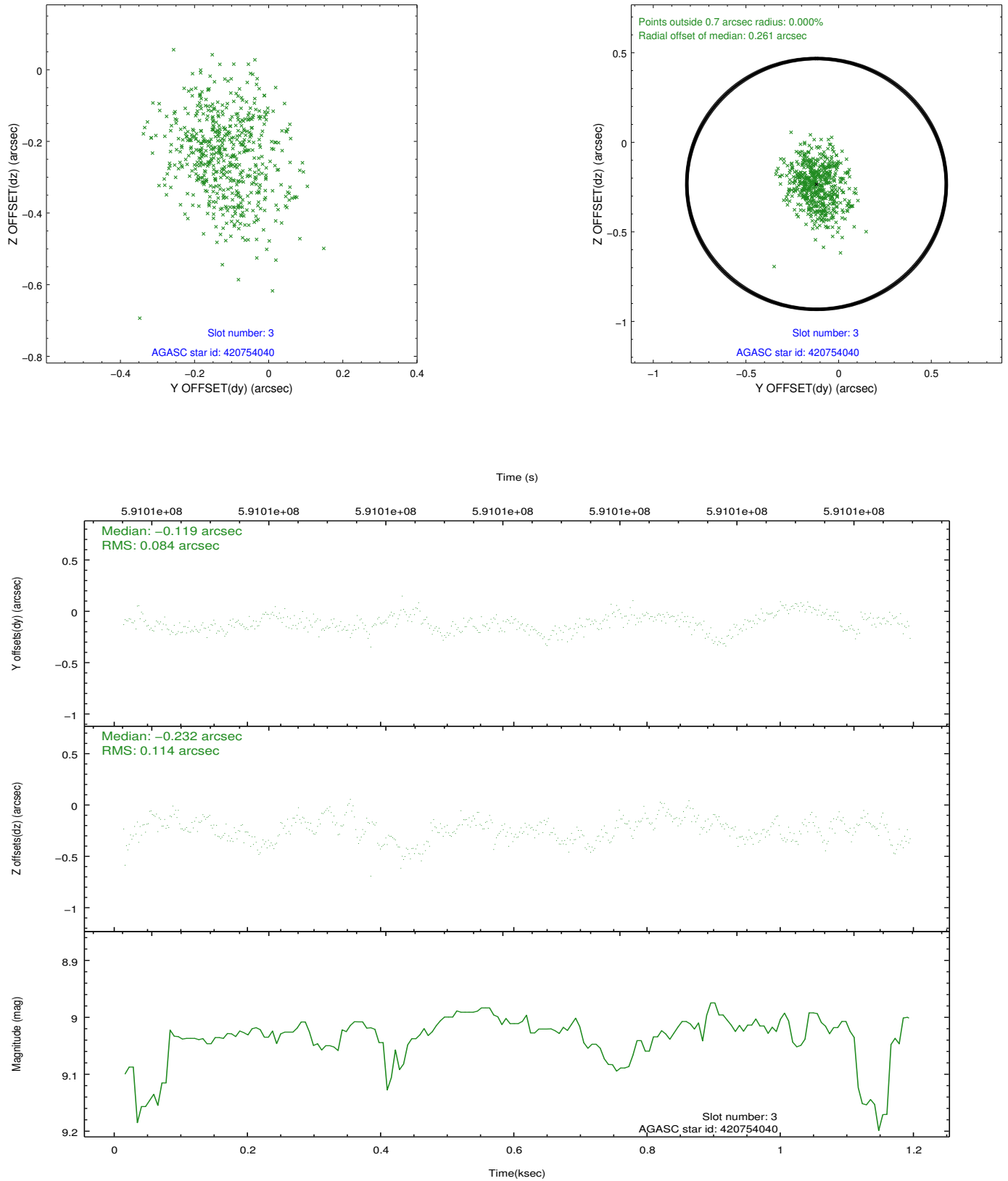


Slot Statistics

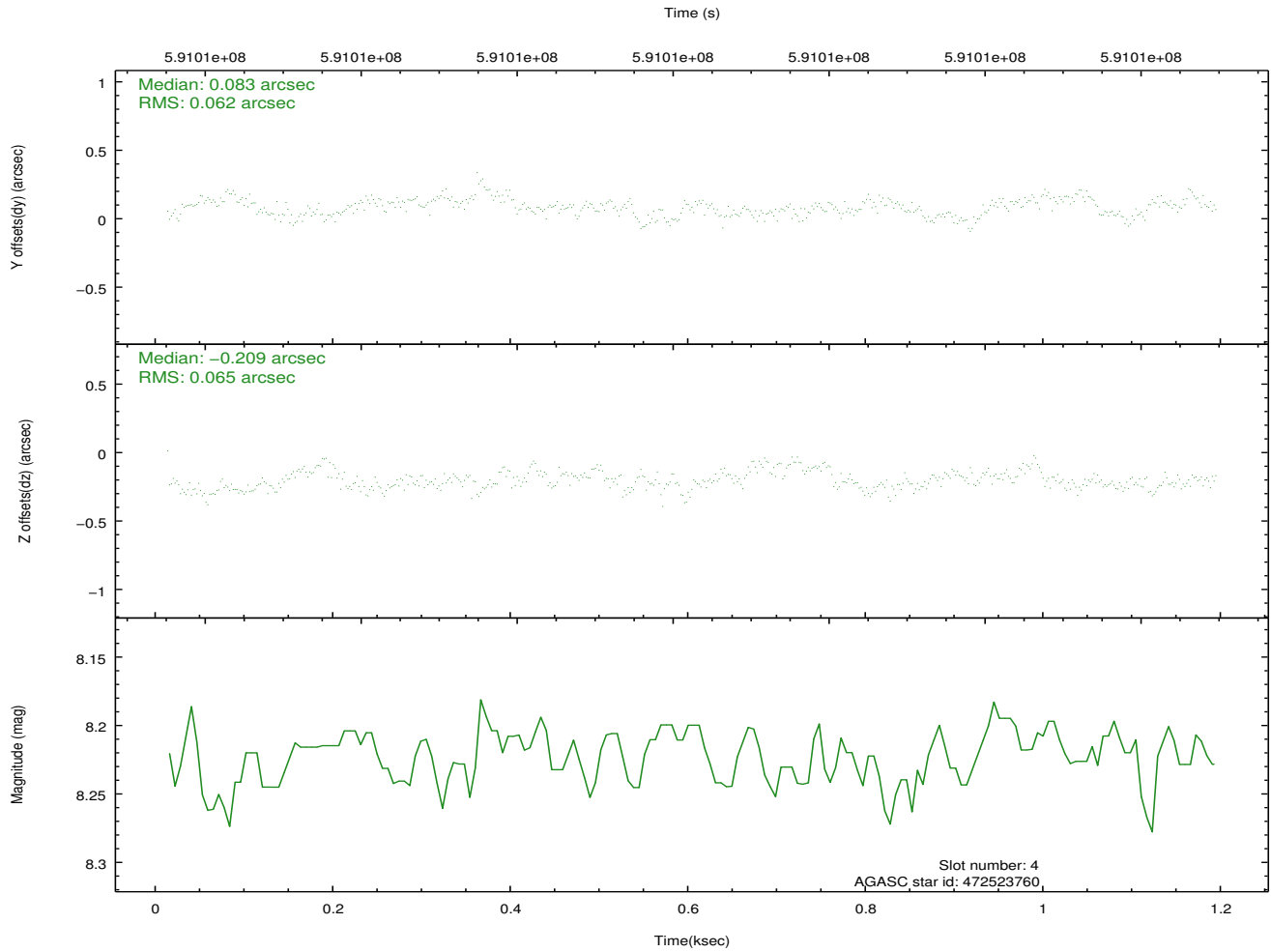
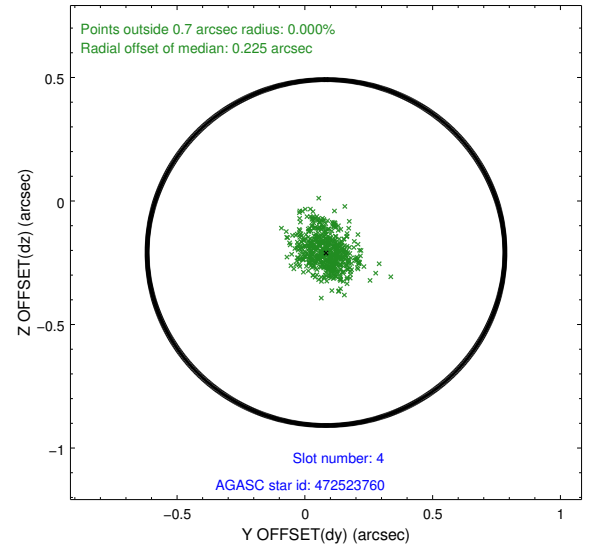
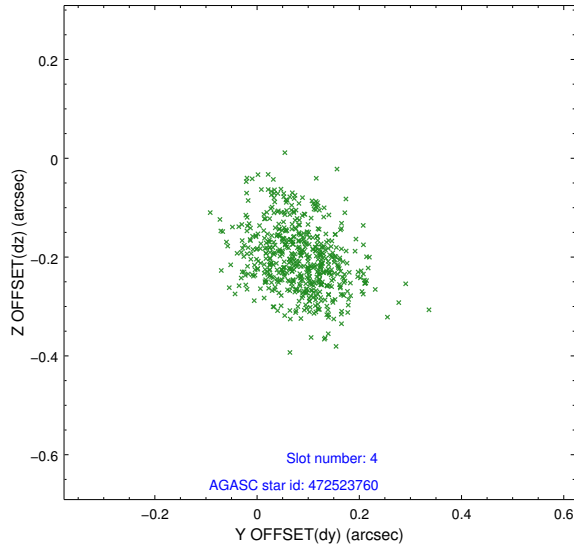
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-S-1	7.08	288	-0.033	-0.207	0.006	0.010	0.000000	0.000000	-1168.76	-465.61
1	FID		HRC-S-2	7.05	288	0.354	-0.126	0.006	0.009	0.000000	0.000000	1227.23	-459.70
2	FID		HRC-S-3	7.05	288	0.069	0.031	0.007	0.011	0.000000	0.000000	-1167.15	562.55
3	GUIDE	used	420754040	9.03	577	-0.119	-0.232	0.152	0.234	331.917939	44.882543	2105.34	2141.92
4	GUIDE	used	472523760	8.22	577	0.083	-0.209	0.097	0.156	331.645363	45.403260	1521.47	235.65
5	GUIDE	used	472525528	6.63	577	-0.389	0.007	0.096	0.159	331.551102	45.248694	2048.12	528.24
6	GUIDE	used	472533912	9.13	574	0.343	0.399	0.137	0.232	331.791136	46.368695	-883.12	-2302.47
7	GUIDE	used	472655152	9.39	576	0.075	0.043	0.149	0.262	332.504239	45.862991	-1206.63	218.35

2.4 Star Slots

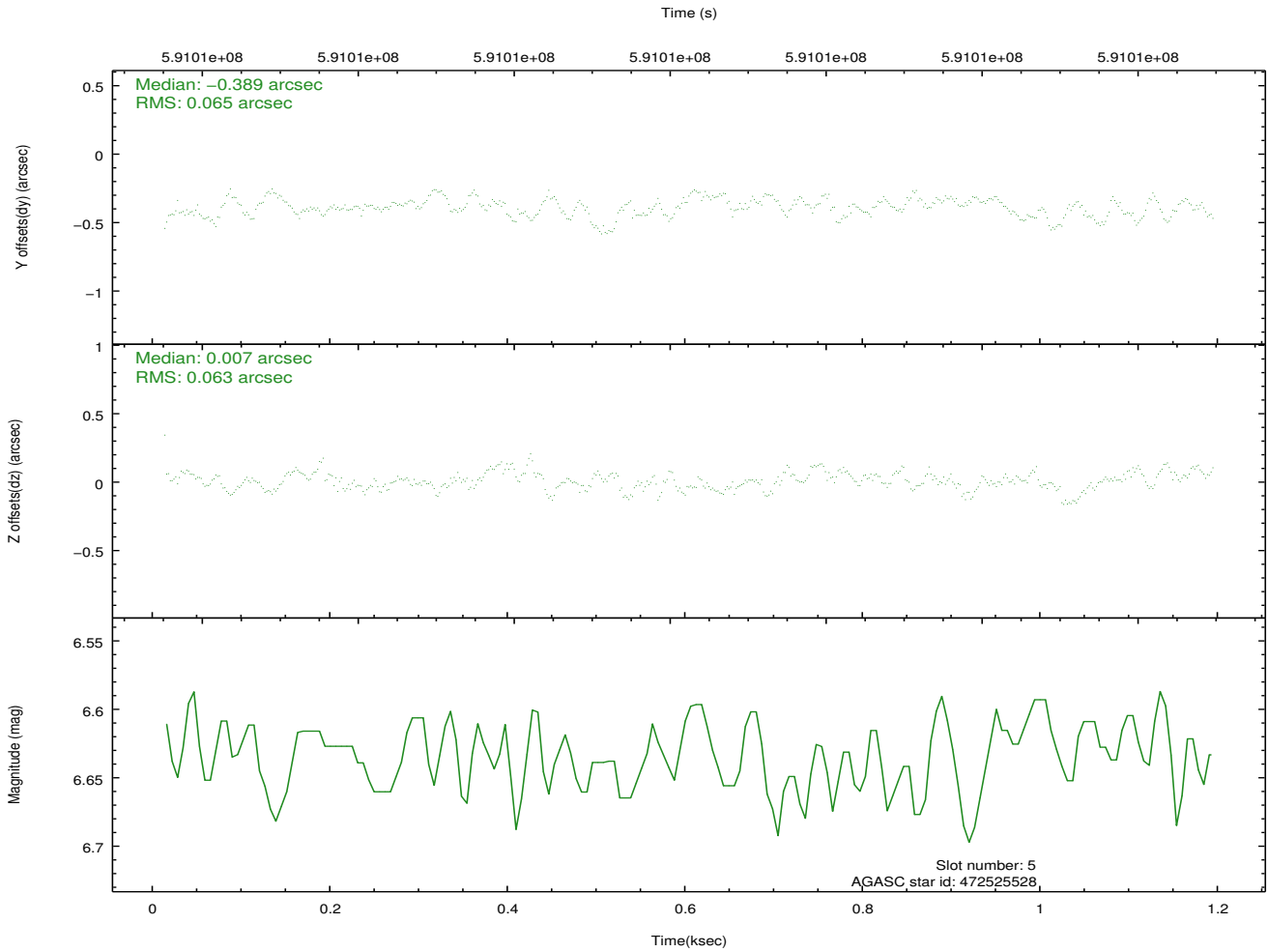
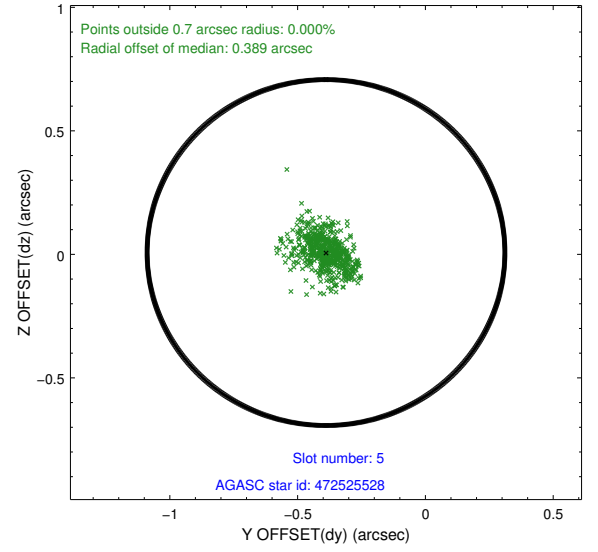
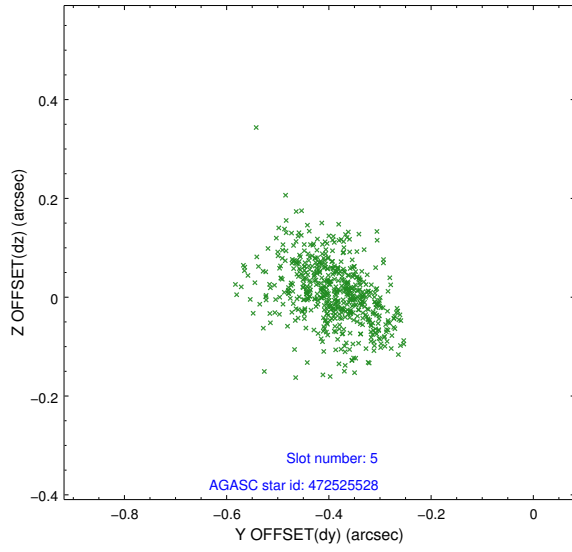
2.4.1 Slot 3



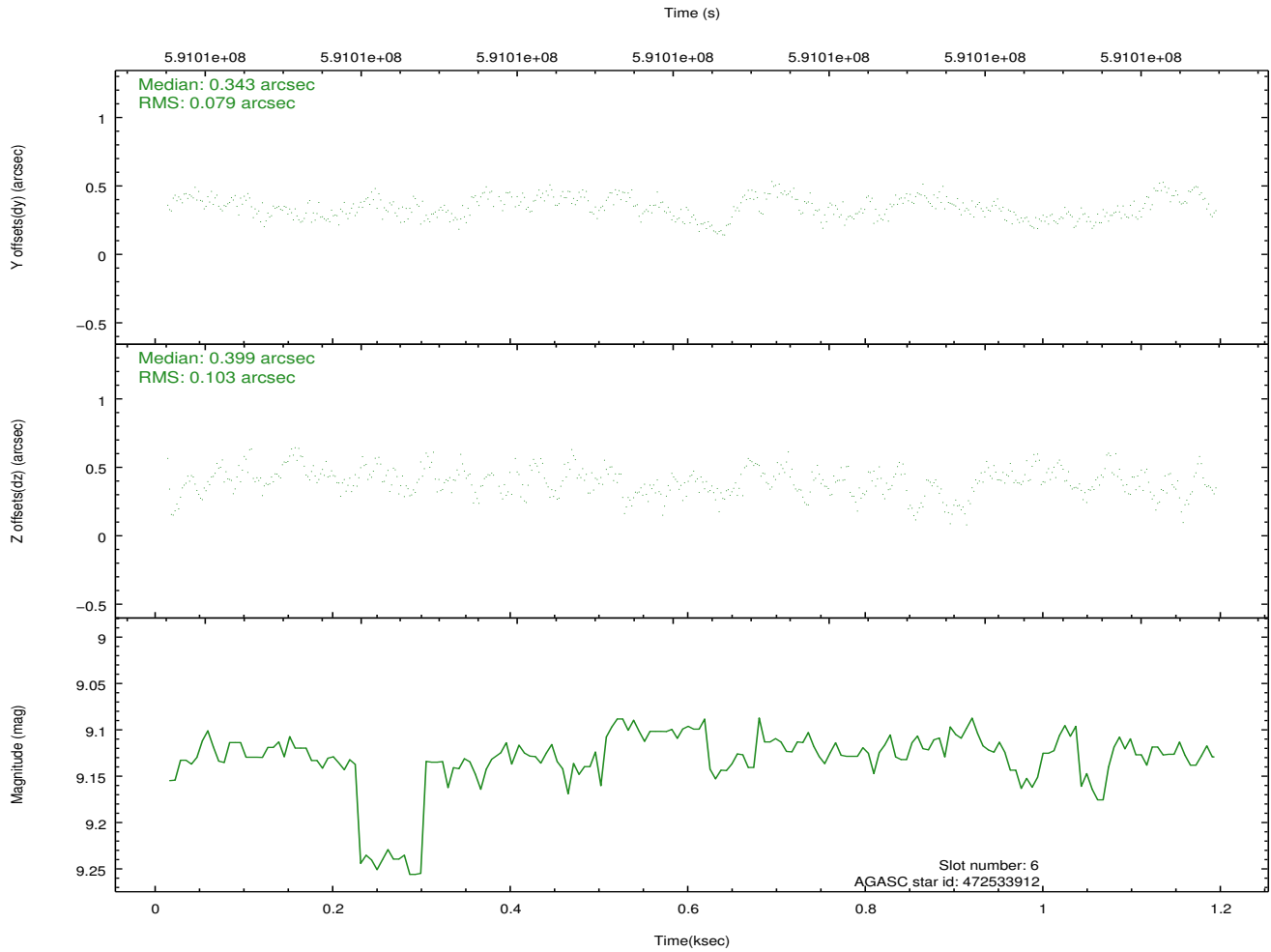
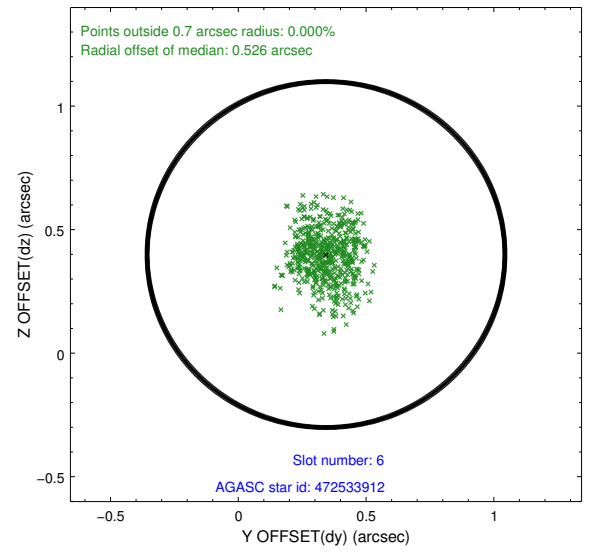
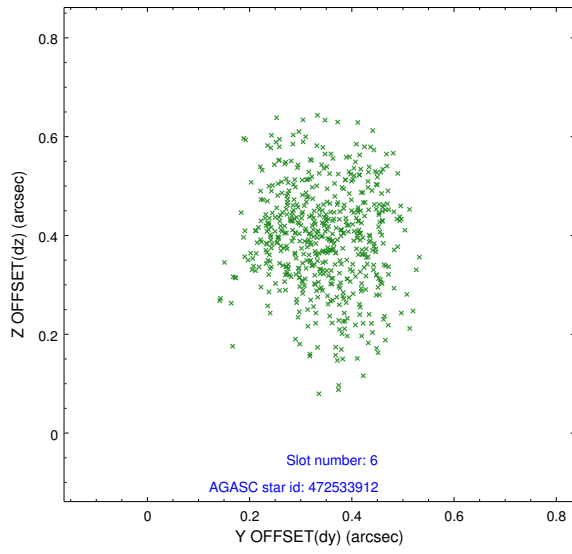
2.4.2 Slot 4



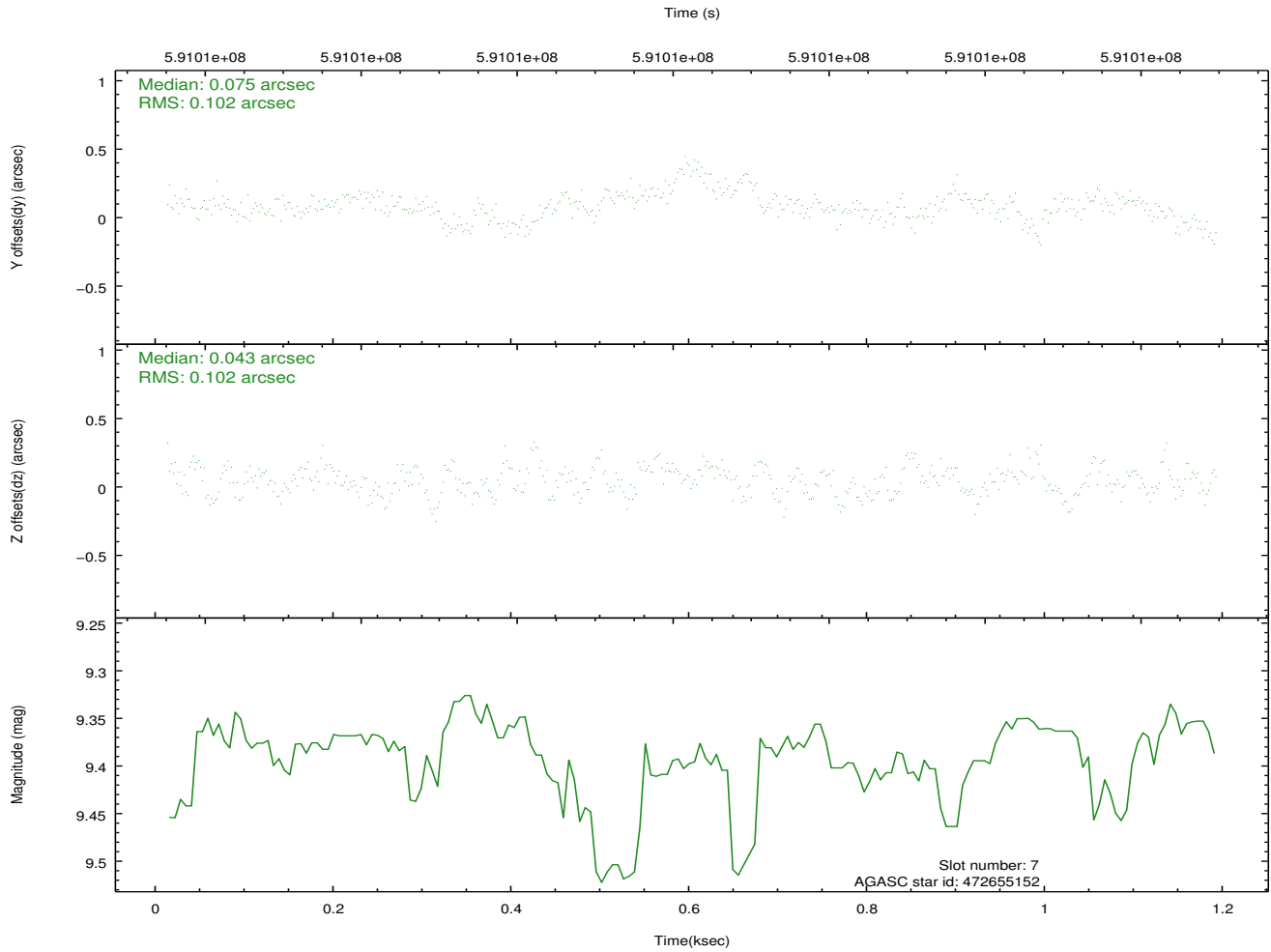
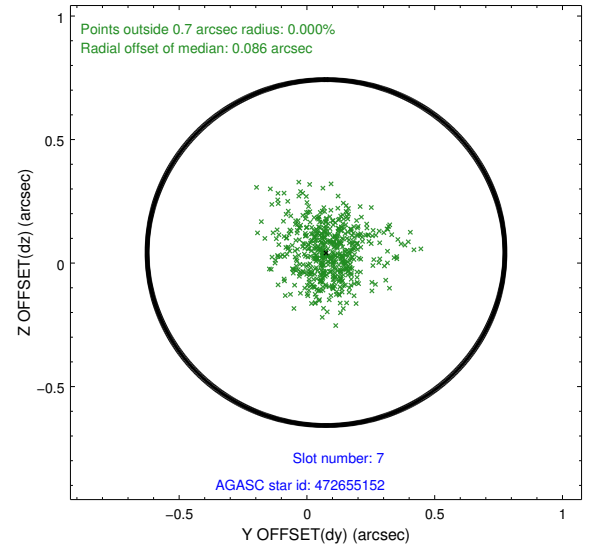
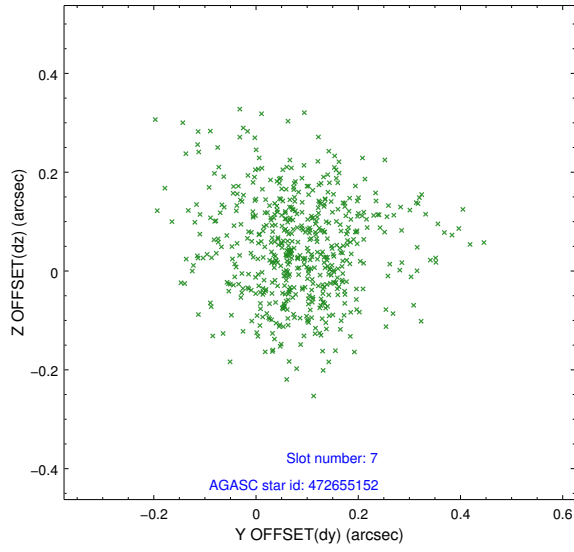
2.4.3 Slot 5



2.4.4 Slot 6

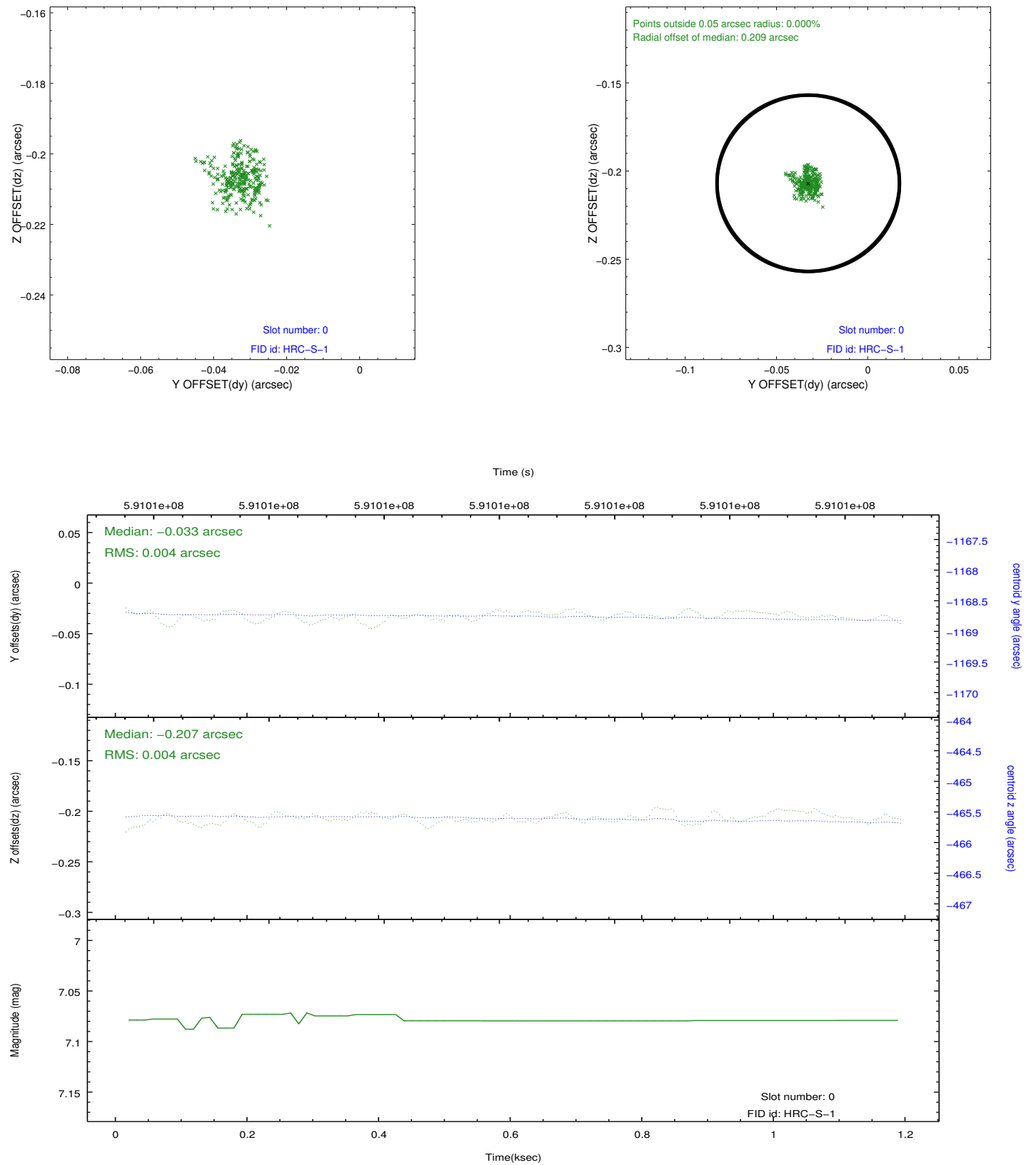


2.4.5 Slot 7

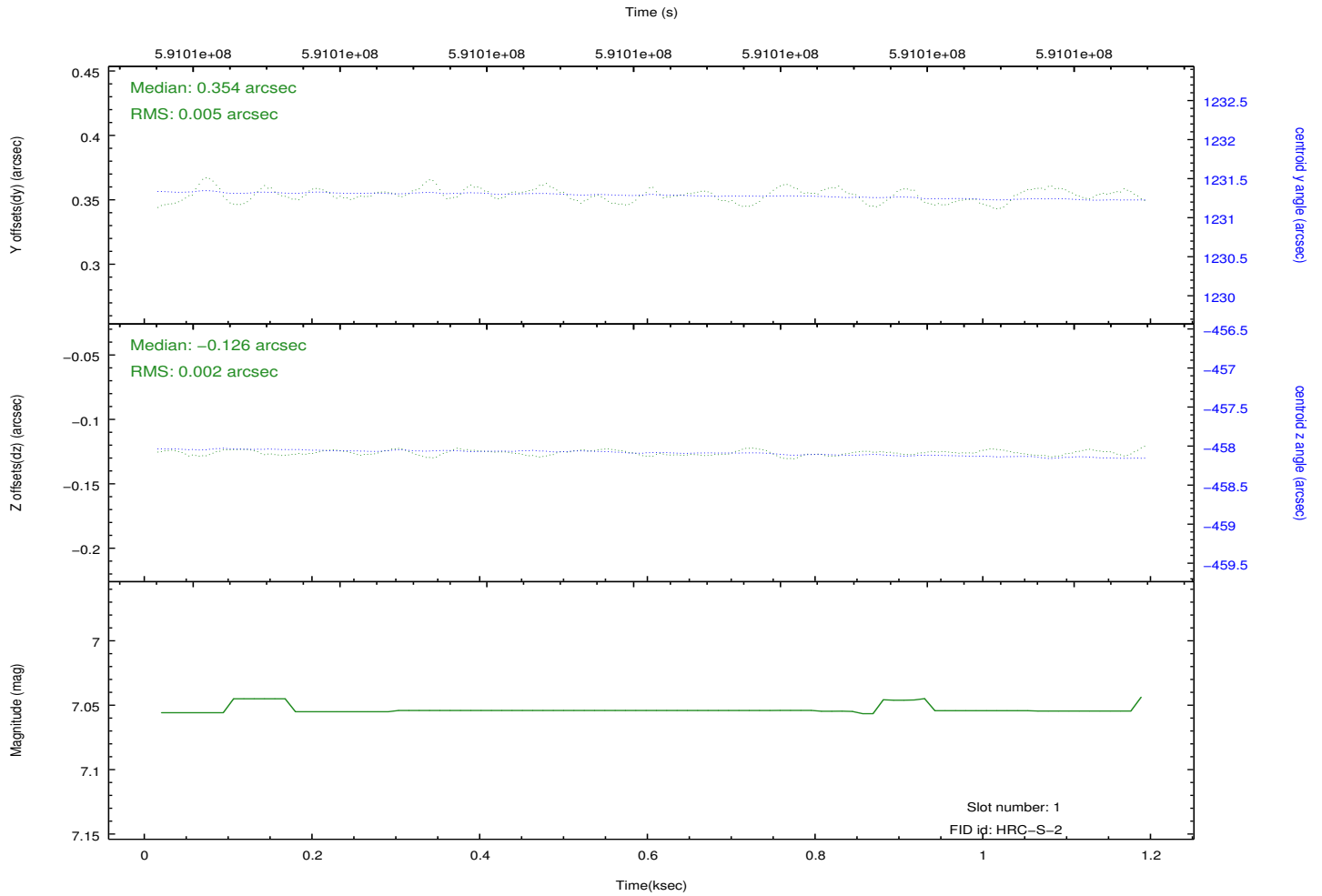
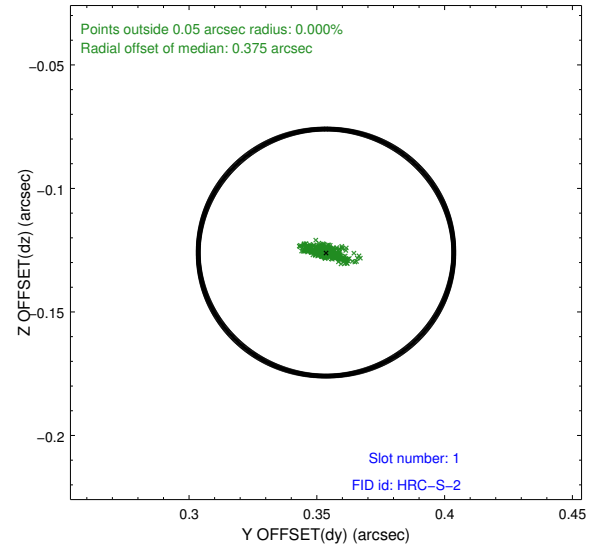
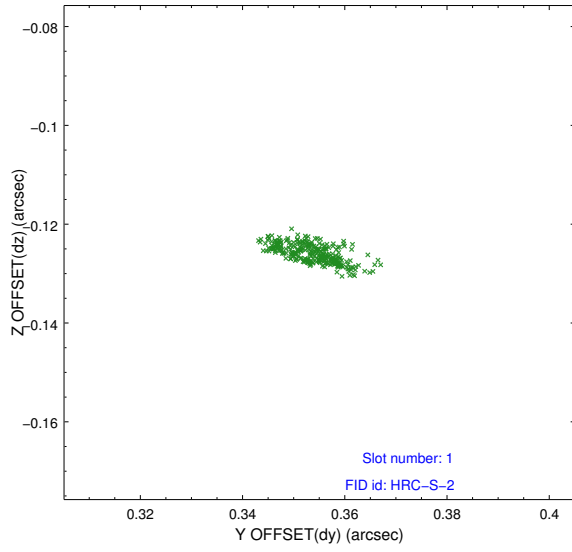


2.5 FID Slots

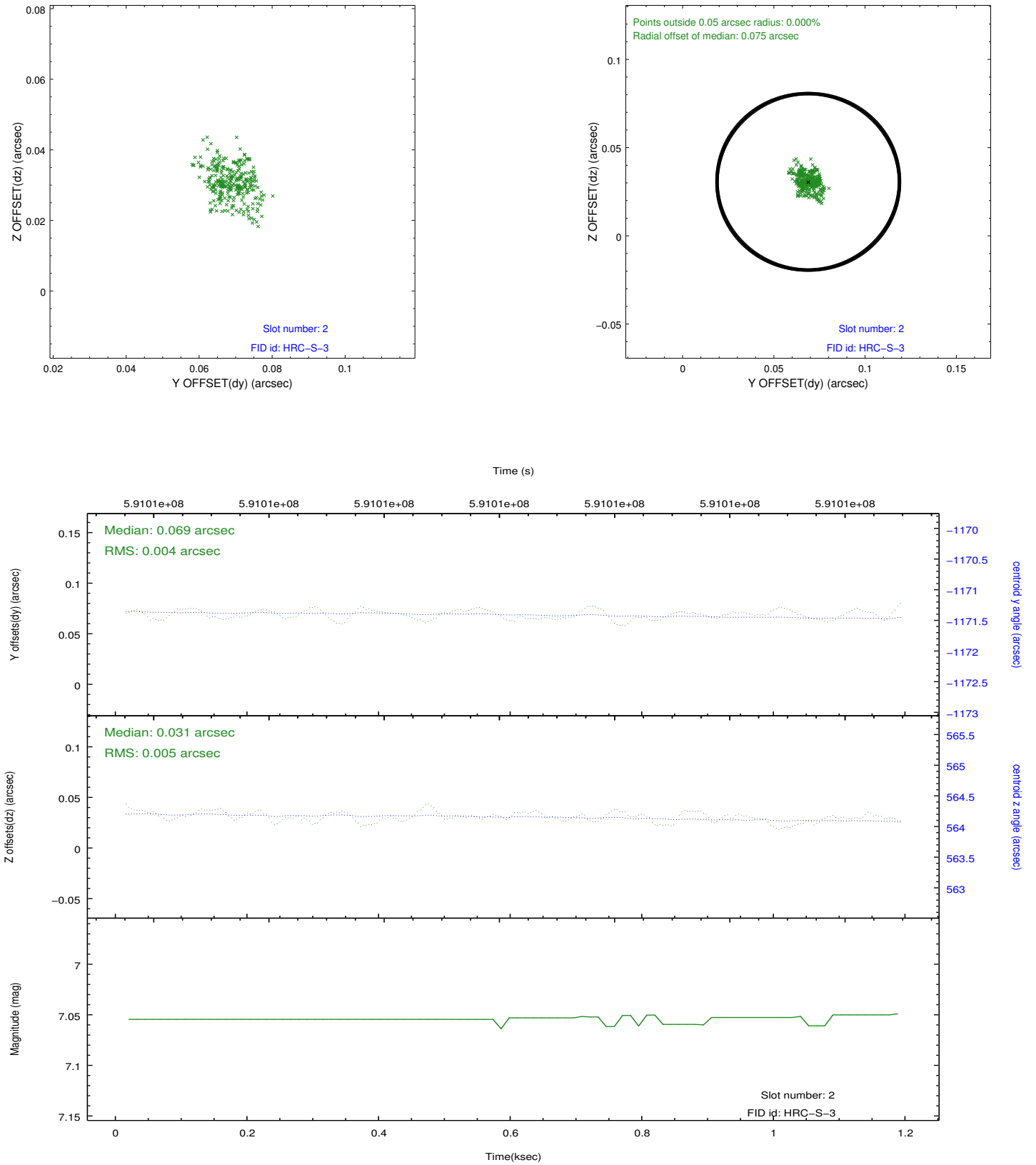
2.5.1 Slot 0



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)	2016.09.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1800313179493

A.2 Comments