

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13088 - L2 Version 4
Chandra X-Ray Center

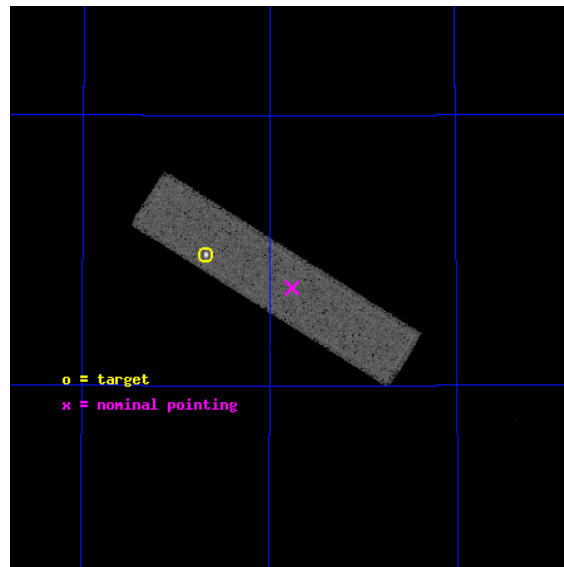
L2 Processing Date : Aug 9 2012

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

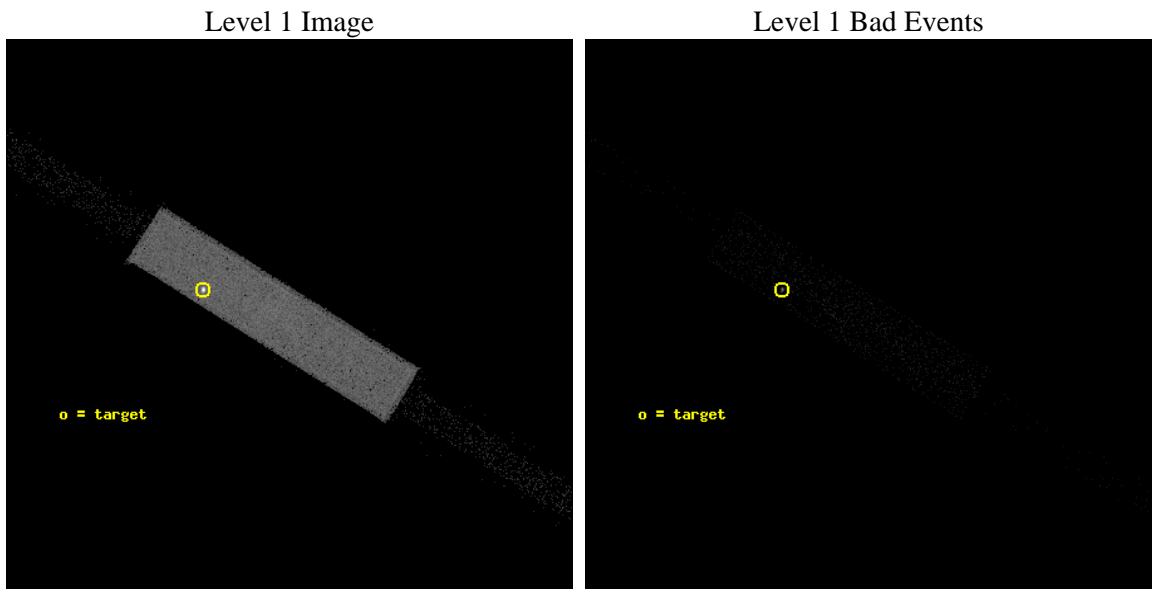
seq_num	291007	Sequence number
obs_id	13088	Observation id
title	AO-12 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	331.93998682732	Nominal RA [deg]
dec_nom	45.68151913431	Nominal Dec [deg]
roll_nom	211.91258424003	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1151.0750604272	[s]
livetime	1142.7519525594	Ontime multiplied by DTCOR
l2events	62176	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	8.4.5	Processing system revision	ontime	1151.0750604272	[s]
caldsver	4.5.1.1	 	l1events	93978	Number of level 1 events
date	2012-08-10T02:41:36	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

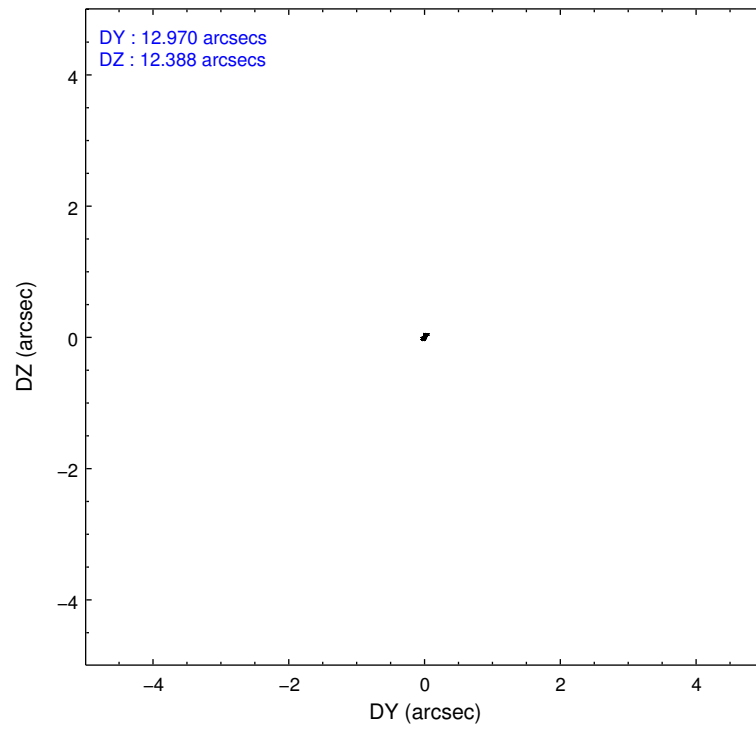
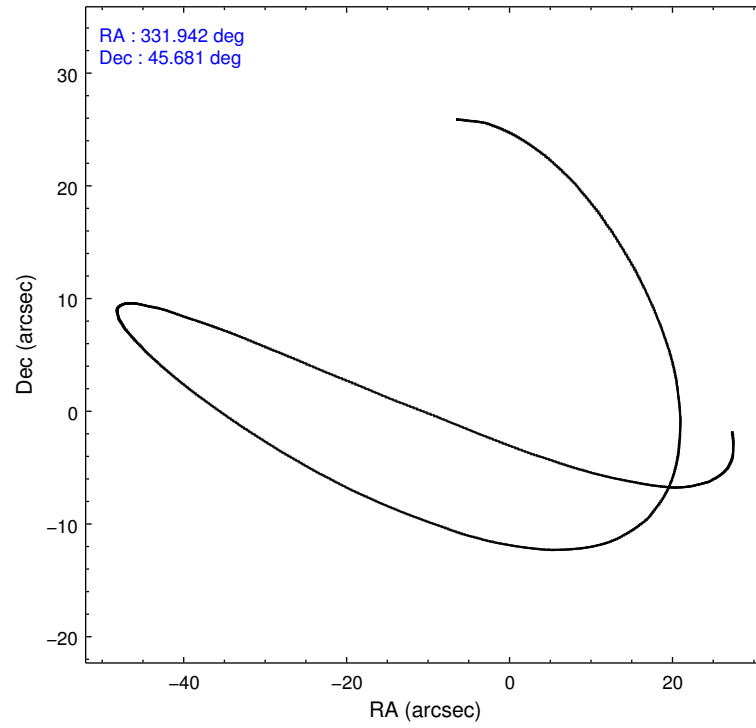
	segment 1	segment 2	segment 3
level 1 events	915	92144	919
rejected events	915	19313	915
rejected %	100%	20%	99%

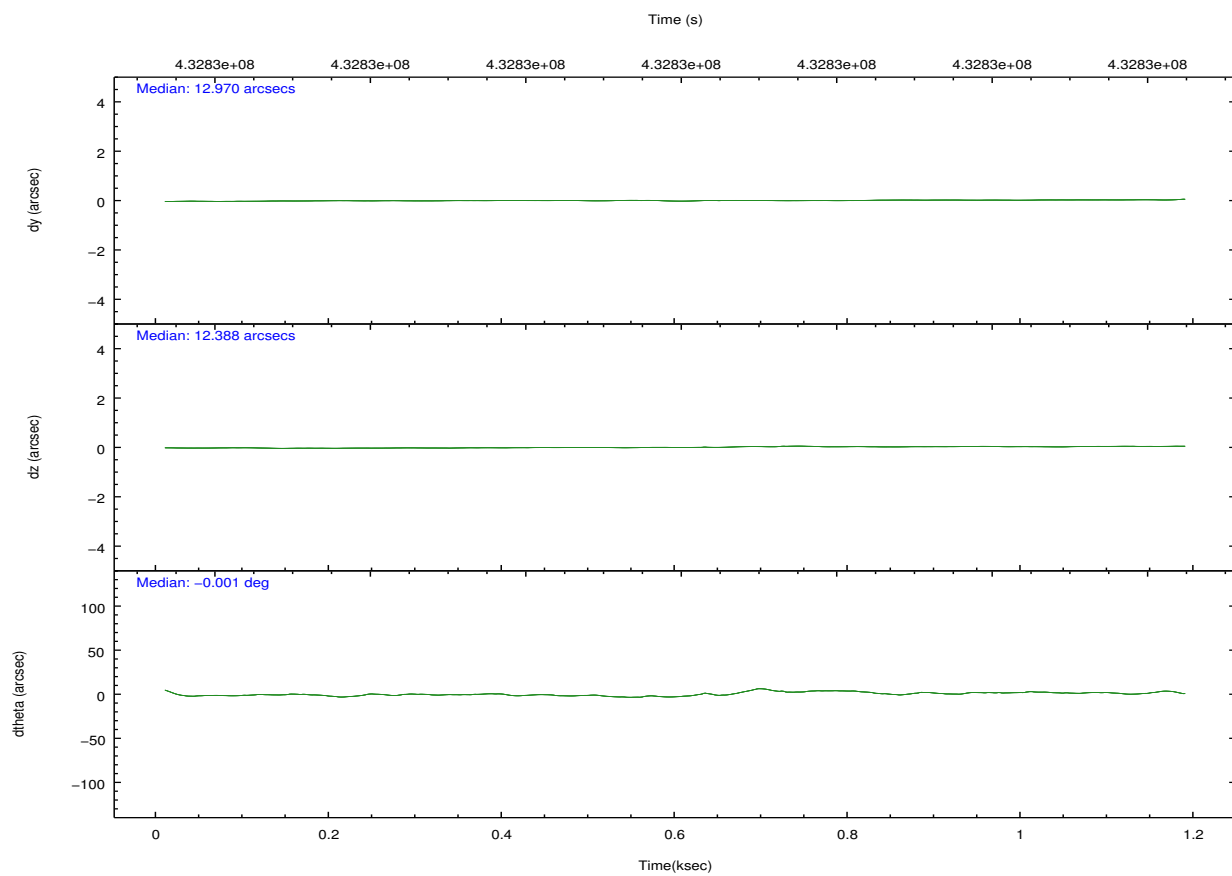
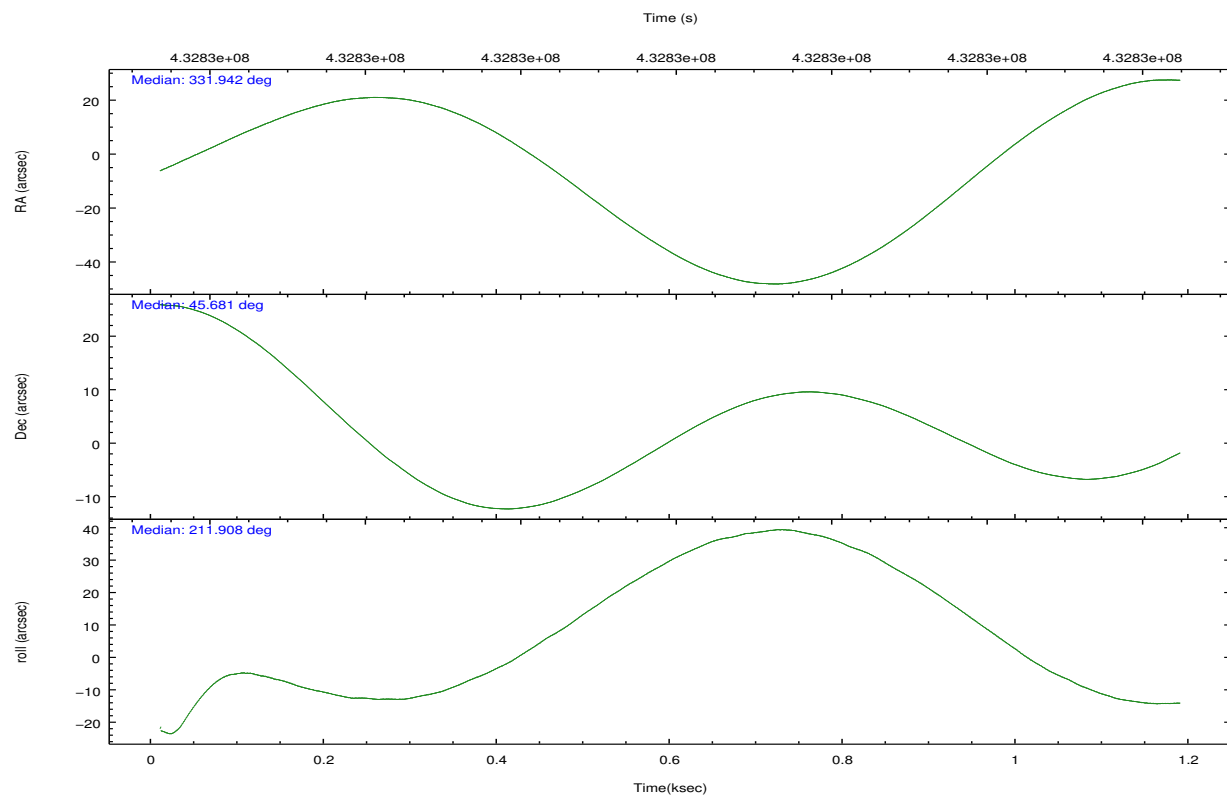
2.2 Compared Parameters

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	331.956641	331.9399868273154
[deg] Pointing Dec	45.707745	45.68151913430955
[deg] Pointing Roll	211.833379	211.9125842400333
[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)	432832192.184000	432831815.90093
Observation start date	2011-09-19T15:08:46	2011-09-19T15:03:35
[s] Observation end time (MET)	432833192.184000	432834590.06358
Observation end date	2011-09-19T15:25:26	2011-09-19T15:49:50

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

2.3 Aspect



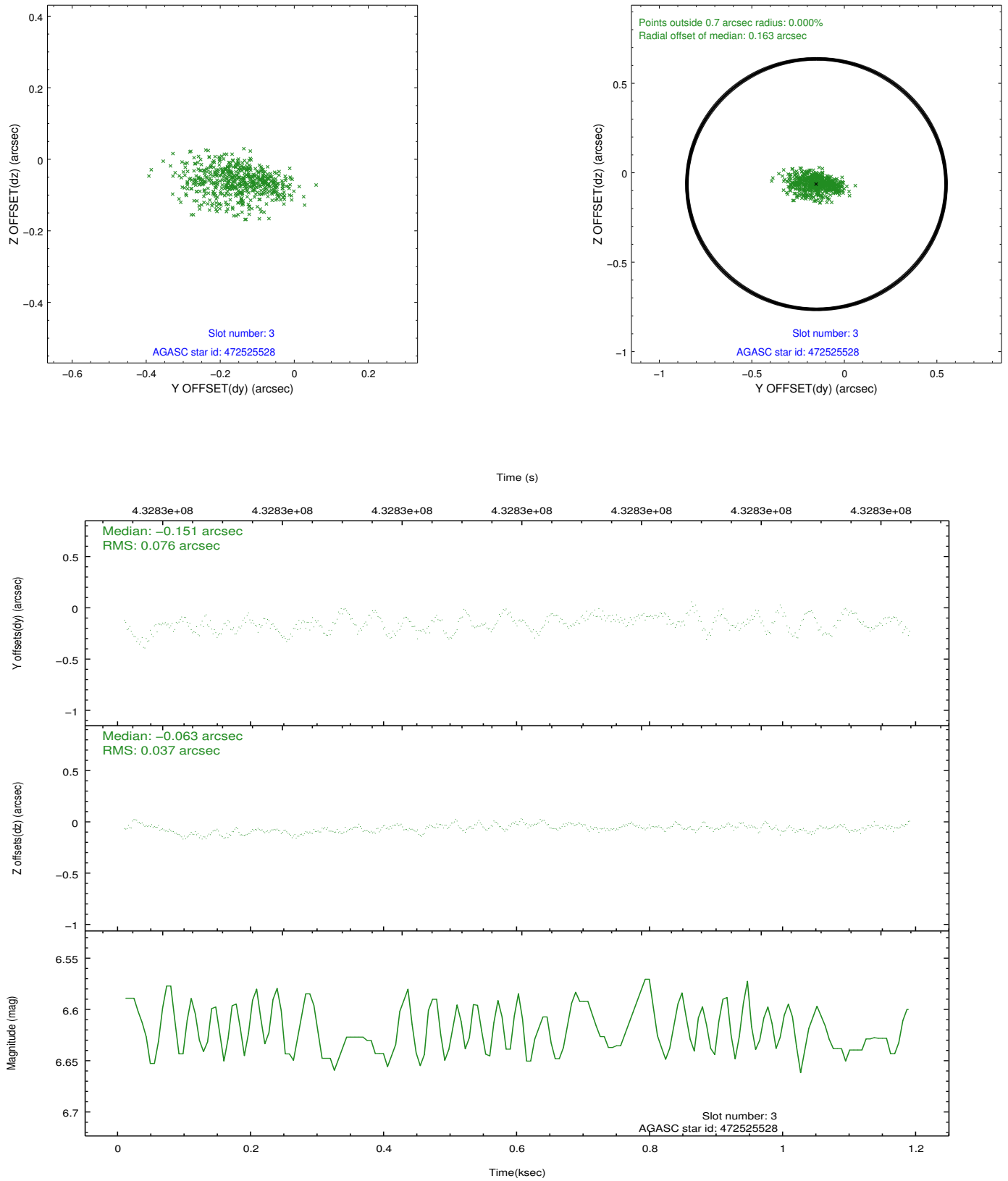


Slot Statistics

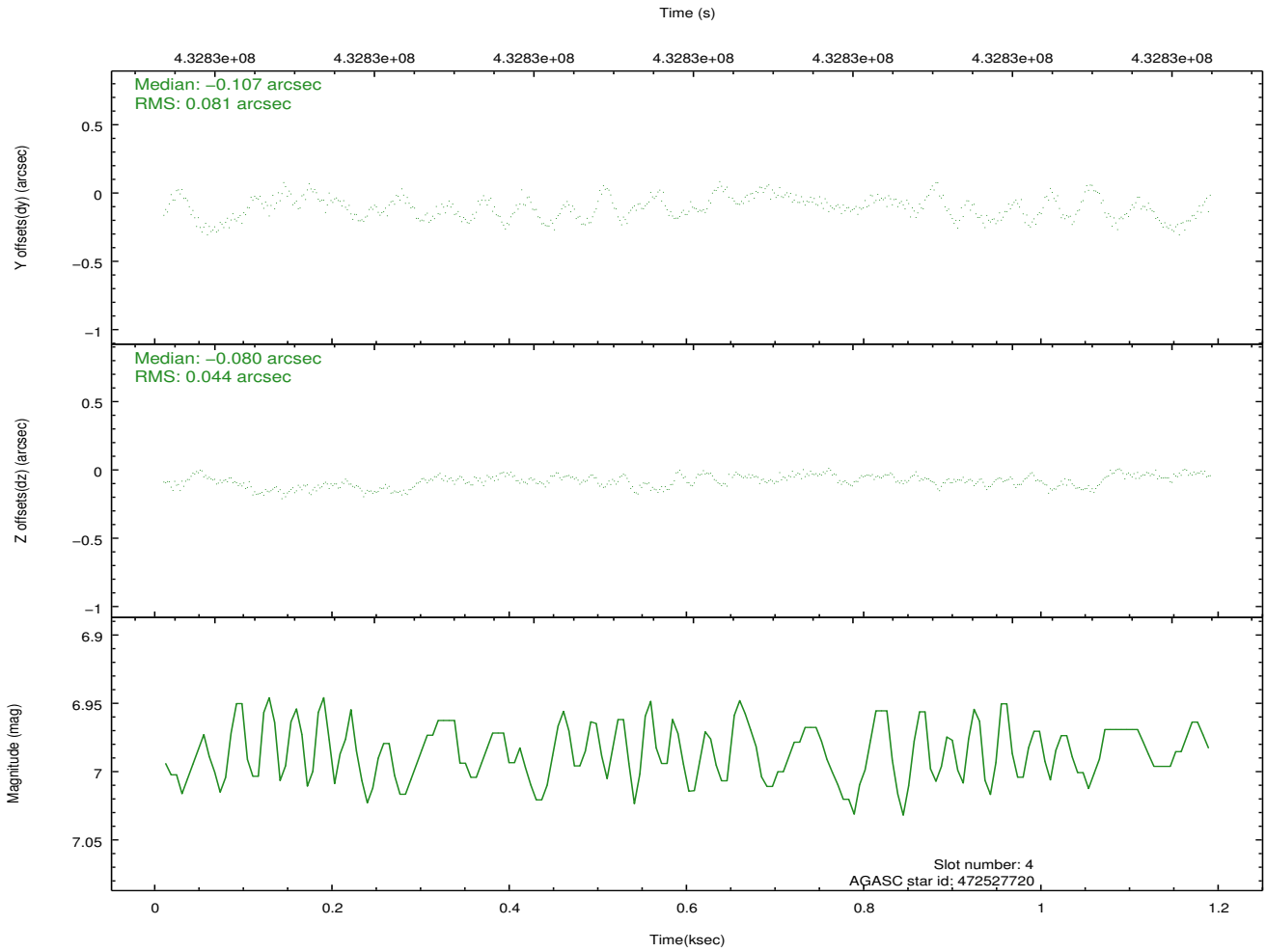
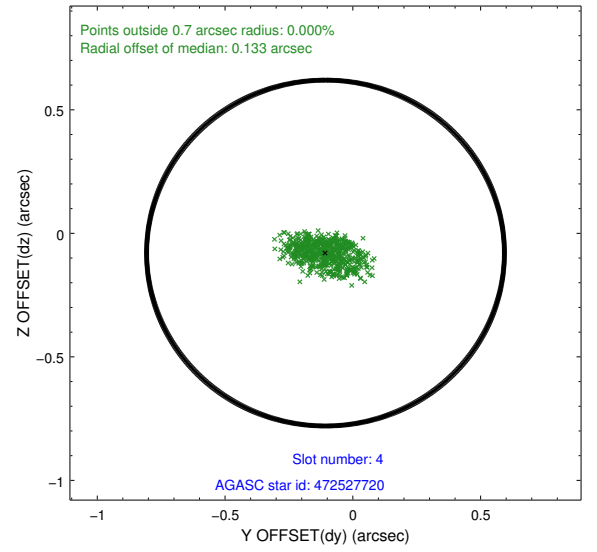
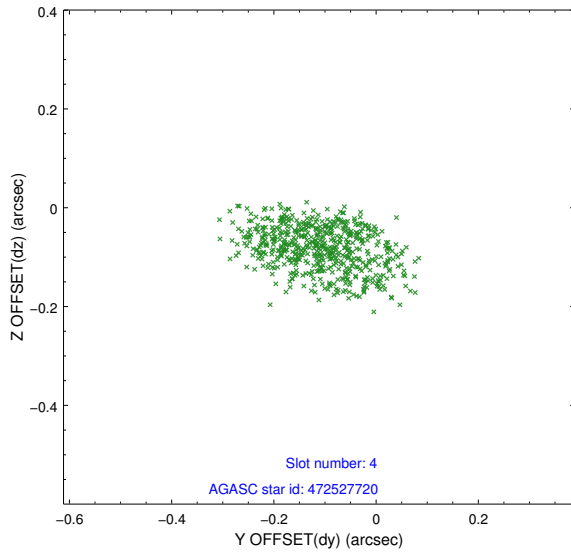
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	287	-0.026	-0.160	0.007	0.014	0.000000	0.000000	-1167.45	-461.05
1	FID	HRC-S-2	6.98	288	0.160	-0.002	0.019	0.045	0.000000	0.000000	1228.34	-455.25
2	FID	HRC-S-4	6.96	288	0.269	-0.140	0.020	0.050	0.000000	0.000000	1235.40	569.34
3	GUIDE	472525528	6.62	577	-0.151	-0.063	0.091	0.148	331.551102	45.248694	1744.89	858.03
4	GUIDE	472527720	6.99	576	-0.107	-0.080	0.098	0.159	331.460205	45.112509	2204.20	1151.84
5	GUIDE	472533912	9.13	577	0.123	0.235	0.151	0.326	331.791136	46.368695	-900.37	-2238.24
6	GUIDE	472655152	9.41	576	0.130	0.078	0.142	0.229	332.504239	45.862991	-1463.51	239.86
7	GUIDE	472651904	6.26	576	0.004	-0.182	0.096	0.152	332.170077	45.742257	-522.29	174.41

2.4 Star Slots

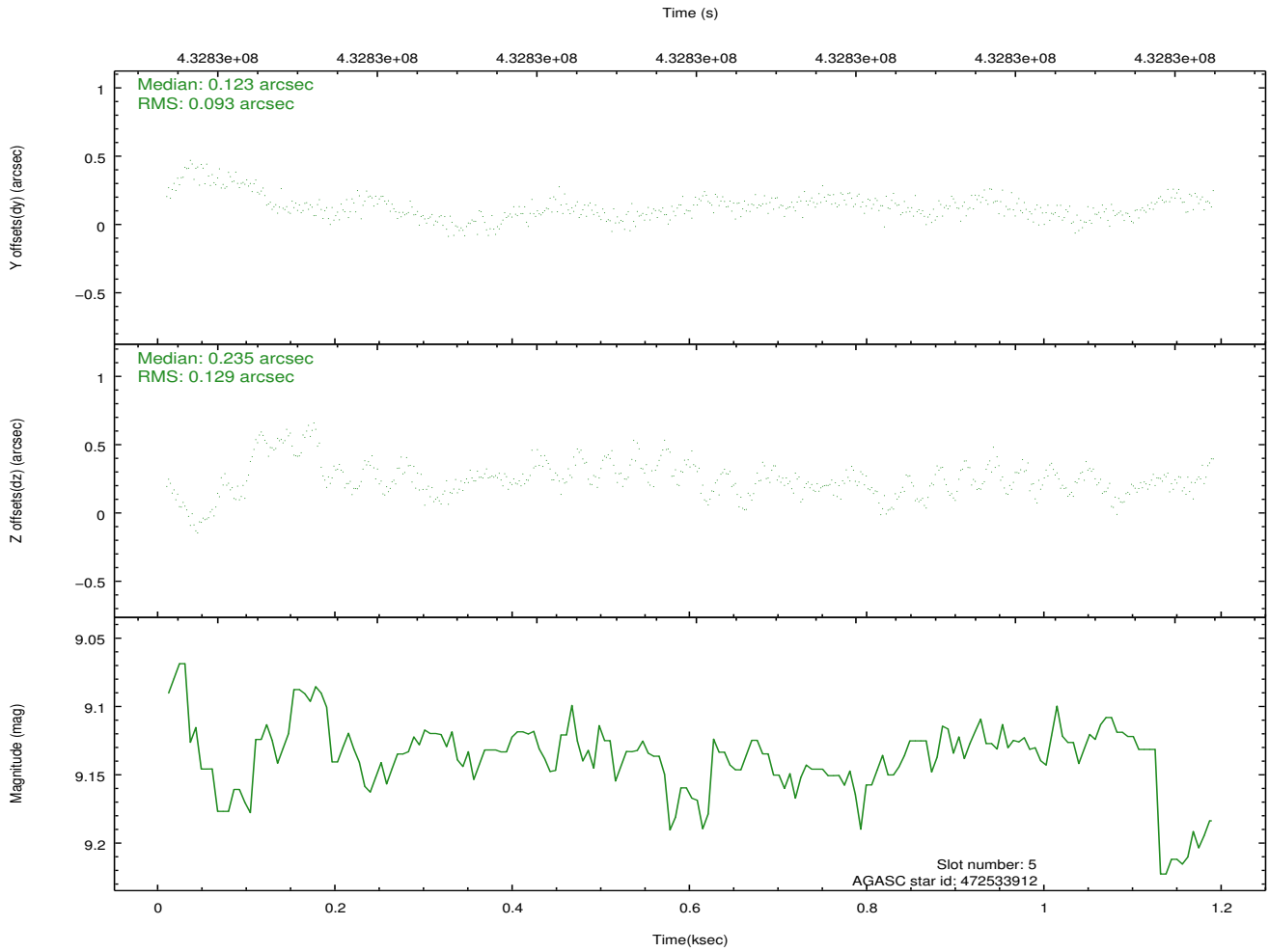
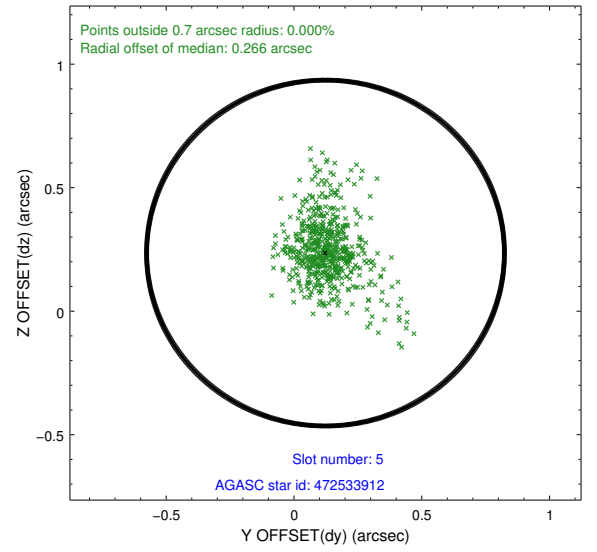
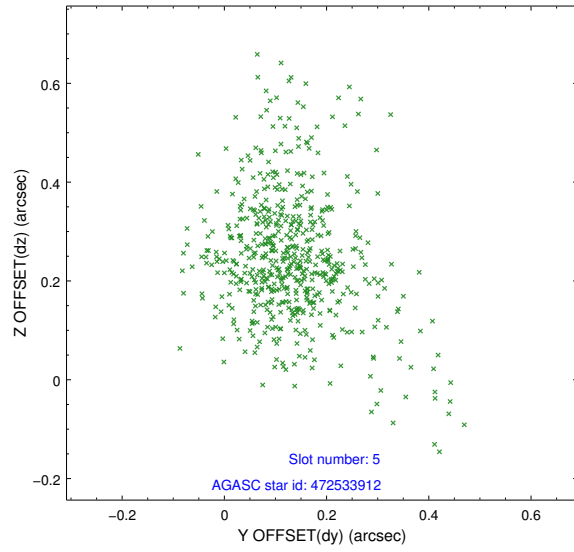
2.4.1 Slot 3



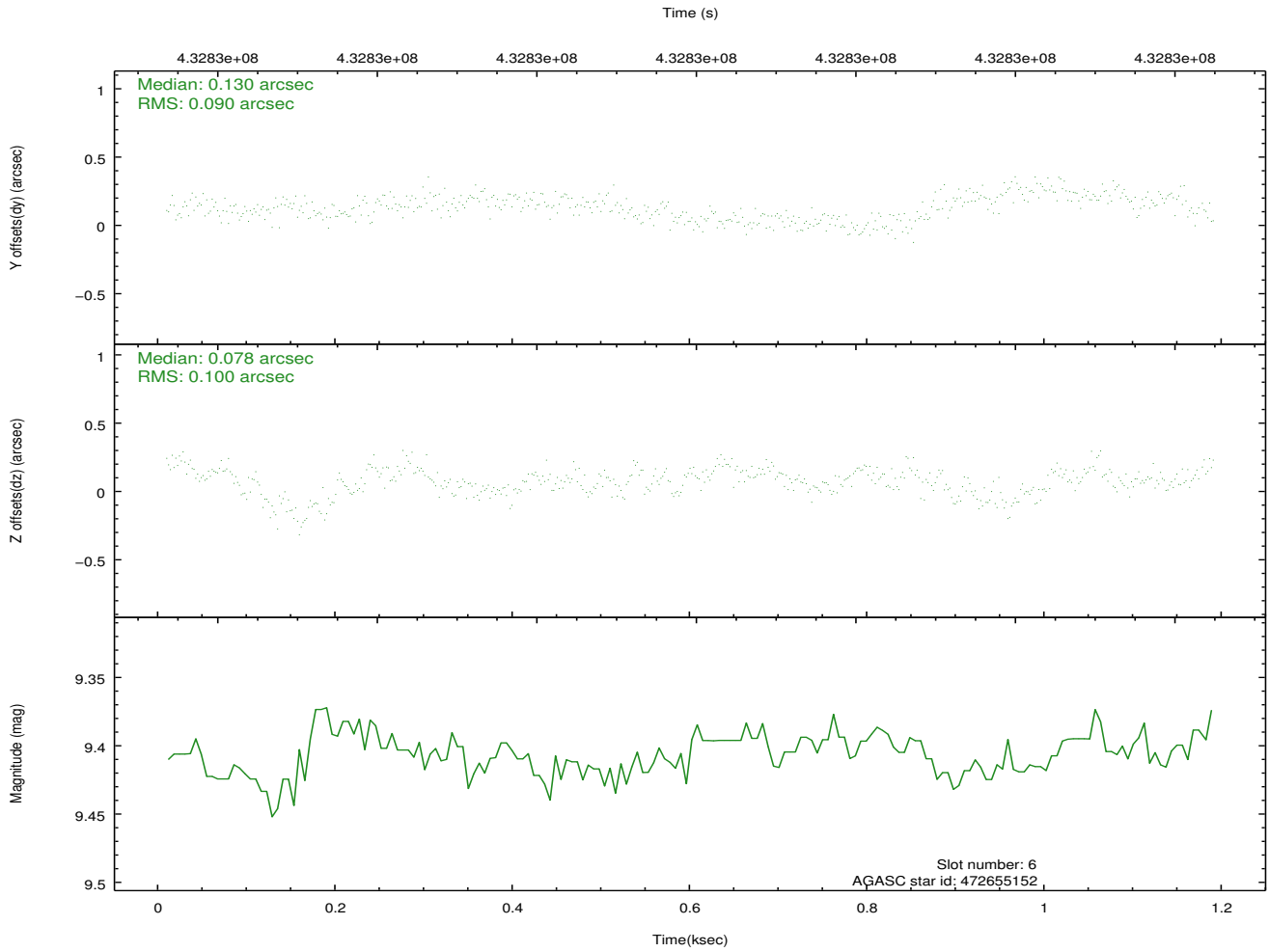
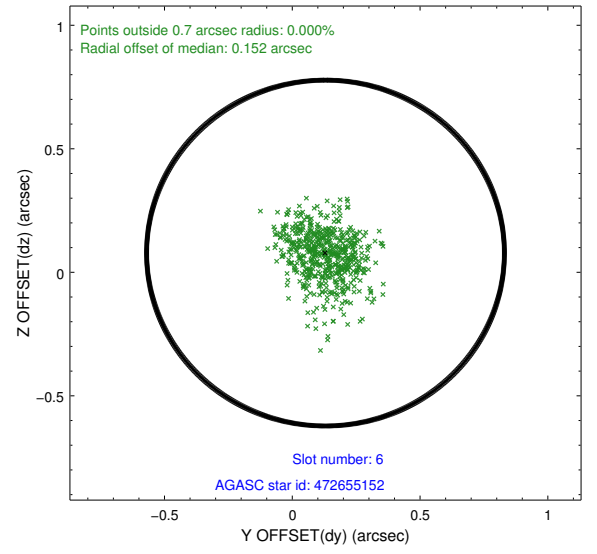
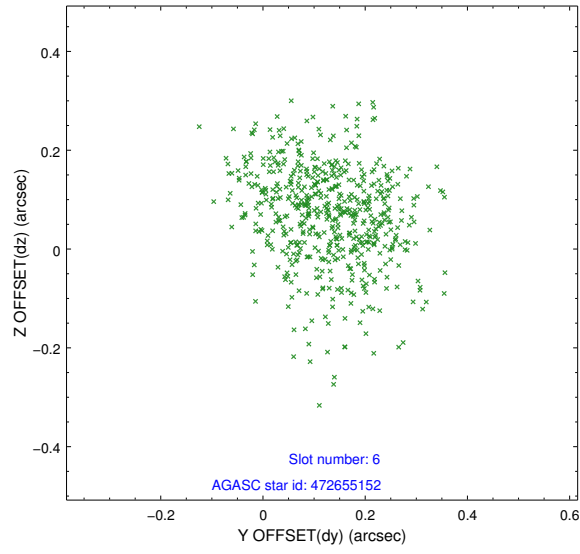
2.4.2 Slot 4



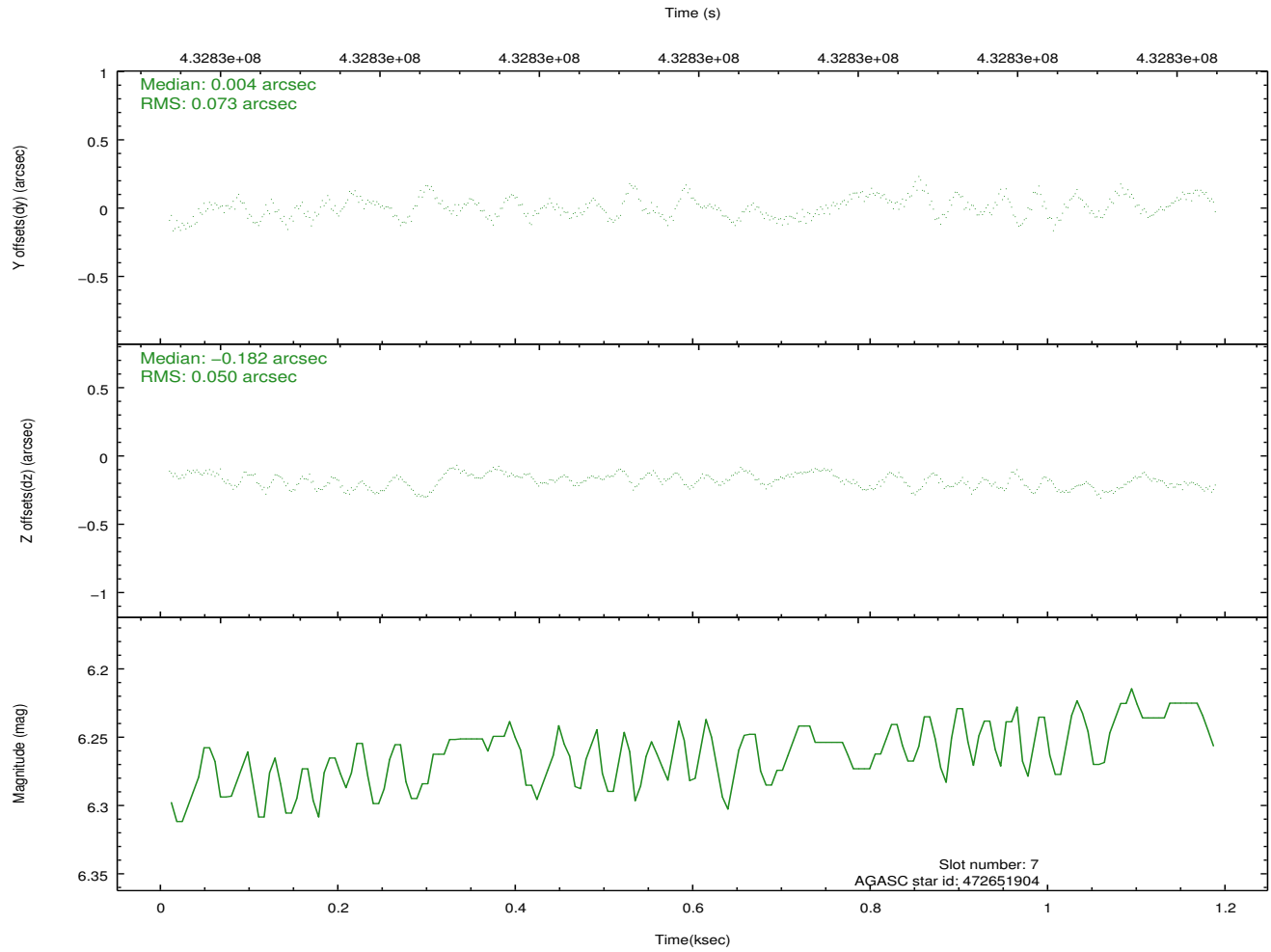
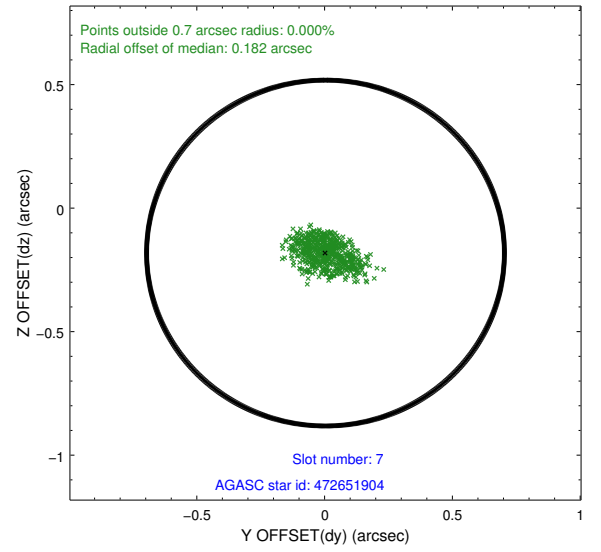
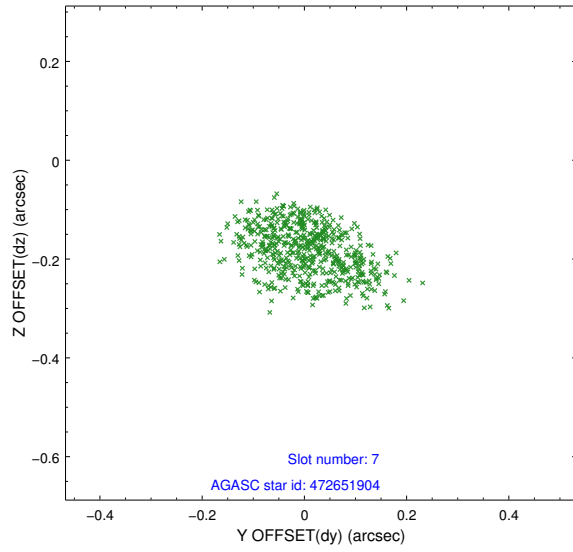
2.4.3 Slot 5



2.4.4 Slot 6

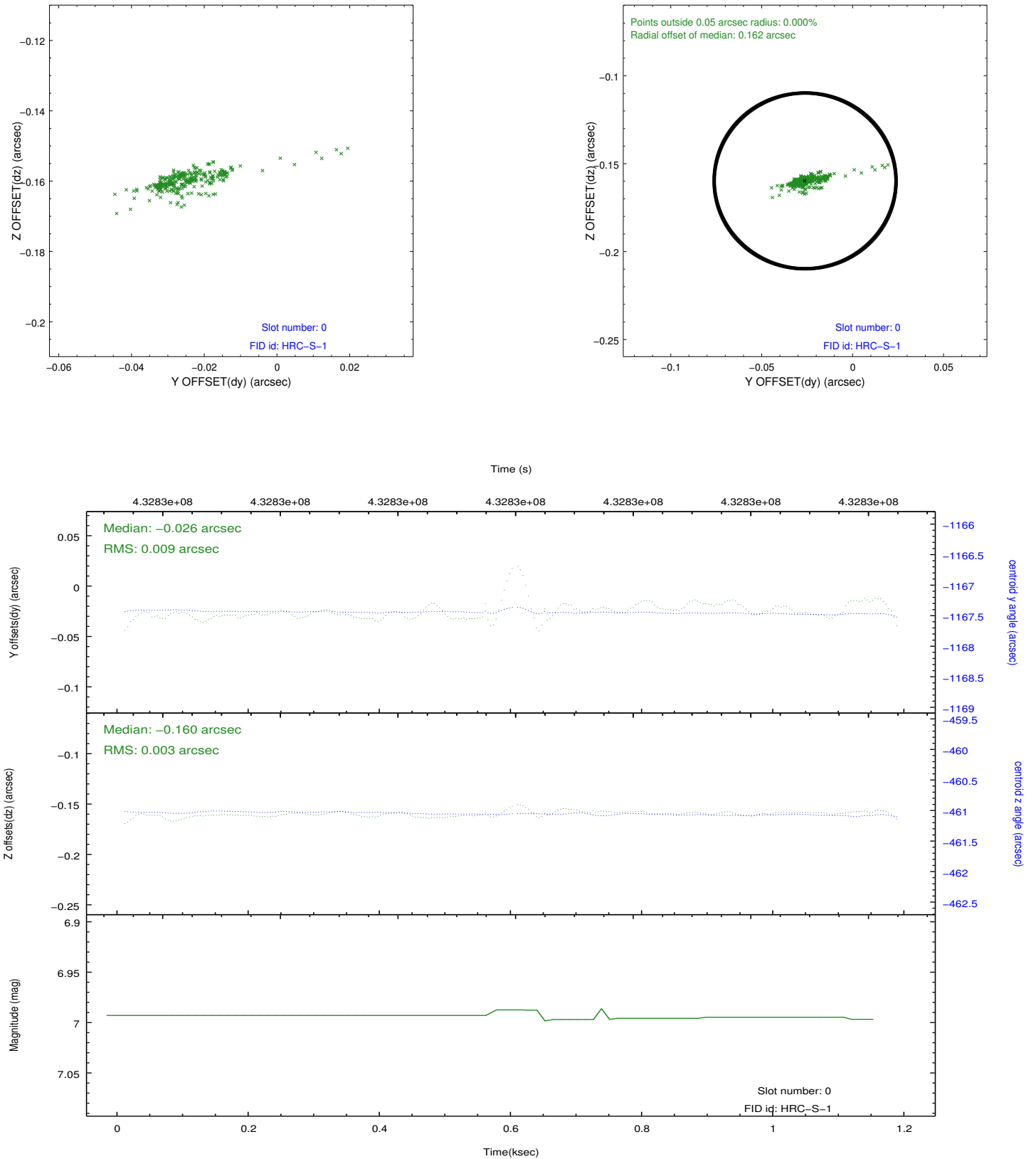


2.4.5 Slot 7

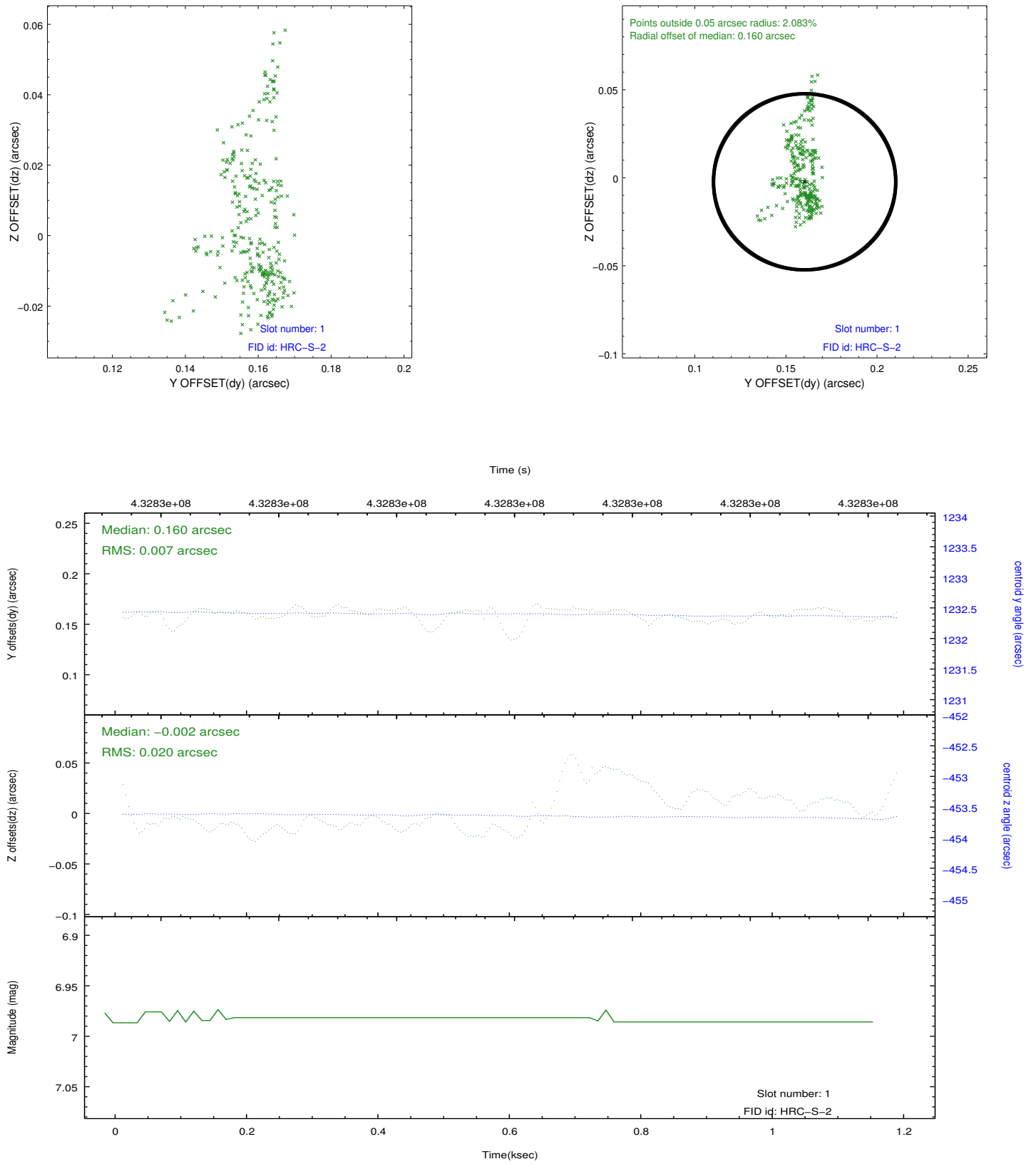


2.5 FID Slots

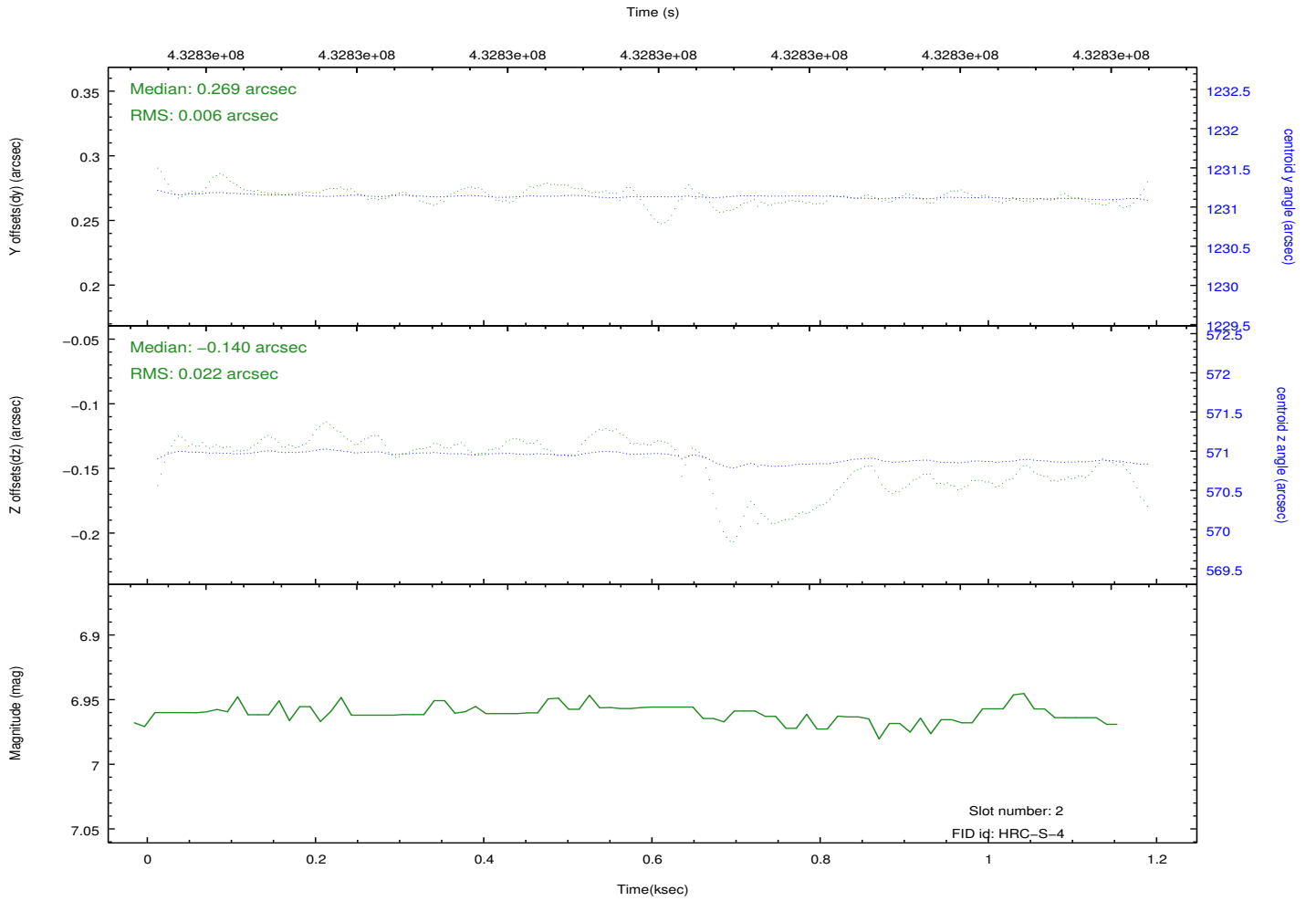
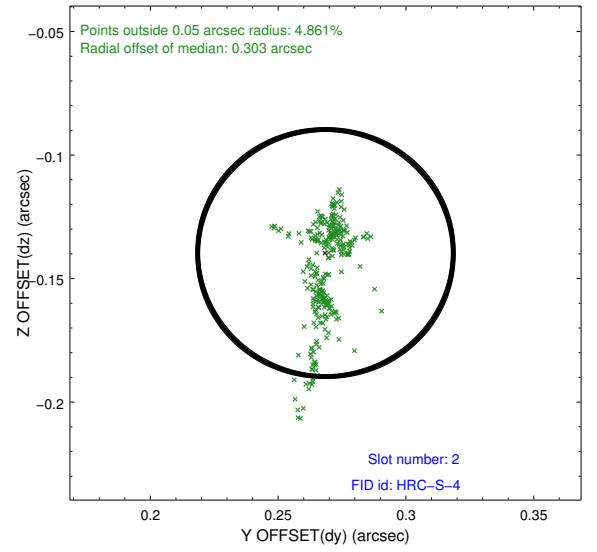
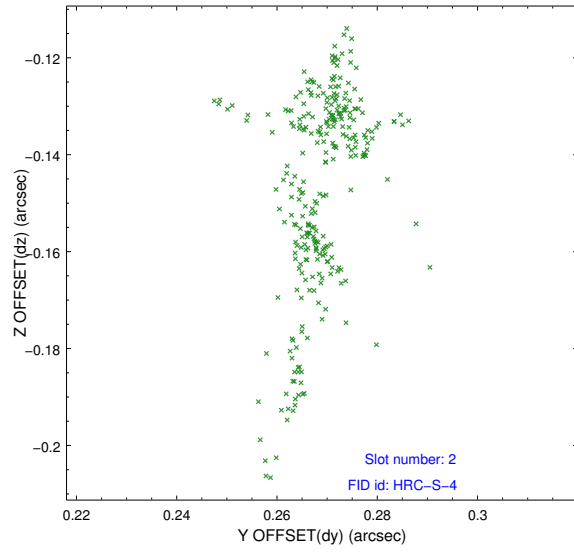
2.5.1 Slot 0



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)	2012.08.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1510750603676

A.2 Comments