

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9676 - L2 Version 3
Chandra X-Ray Center

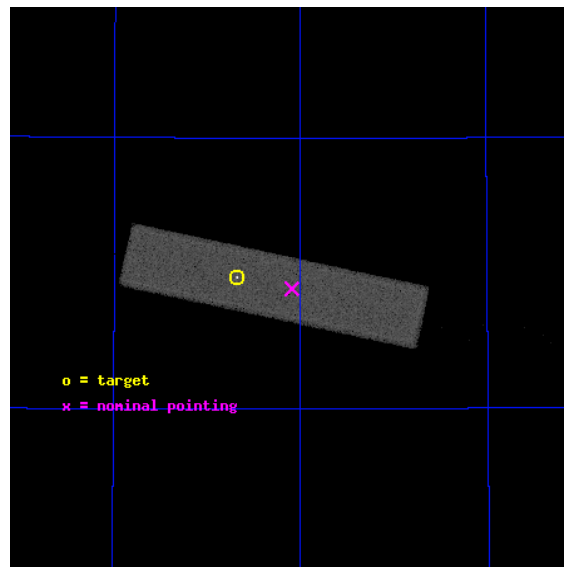
L2 Processing Date : Aug 12 2012

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

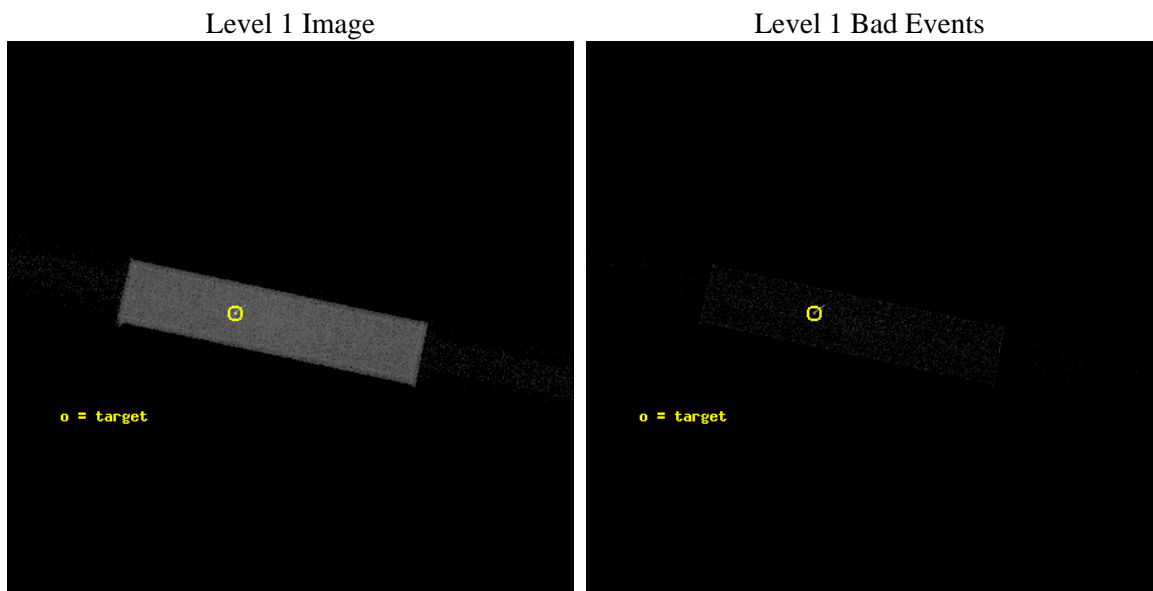
seq_num	290799	Sequence number
obs_id	9676	Observation id
title	AO9 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.02327159203	Nominal RA [deg]
dec_nom	45.721626856892	Nominal Dec [deg]
roll_nom	191.89700936794	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1331.4750654101	[s]
livetime	1319.4890871307	Ontime multiplied by DTCOR
l2events	86570	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	1180.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1331.4750654101	[s]
caldsver	4.5.1.1	 	l1events	132744	Number of level 1 events
date	2012-08-12T18:12:23	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

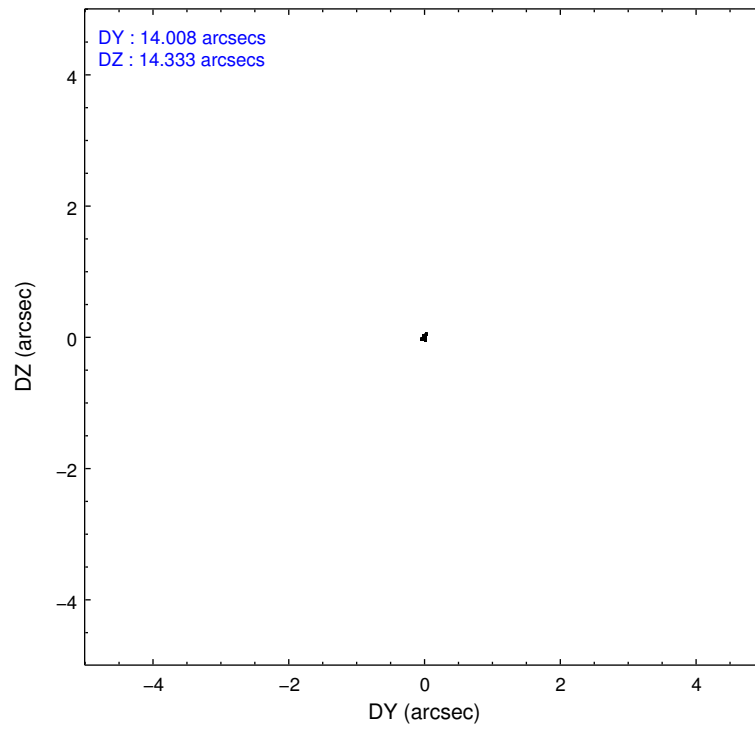
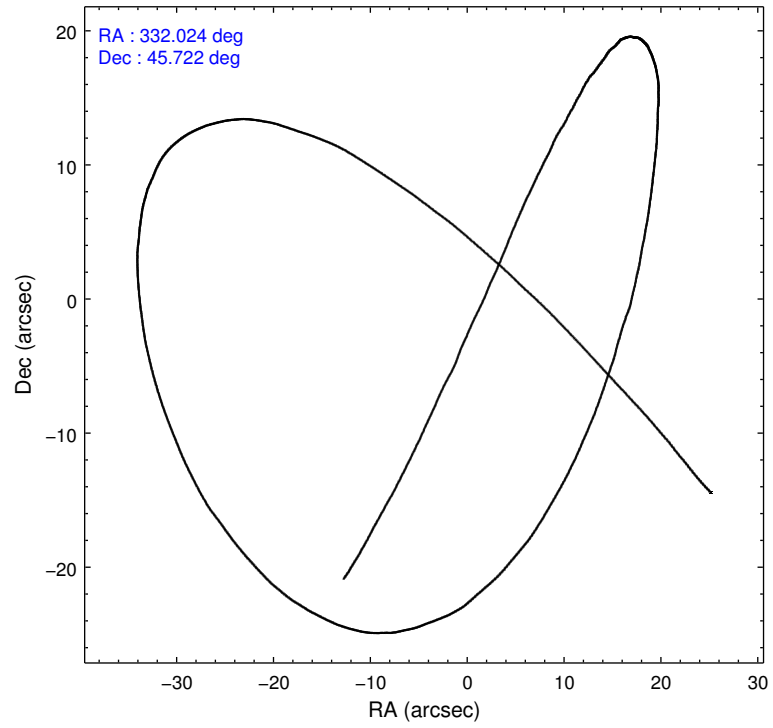
	segment 1	segment 2	segment 3
level 1 events	1065	130654	1025
rejected events	1065	27077	1014
rejected %	100%	20%	98%

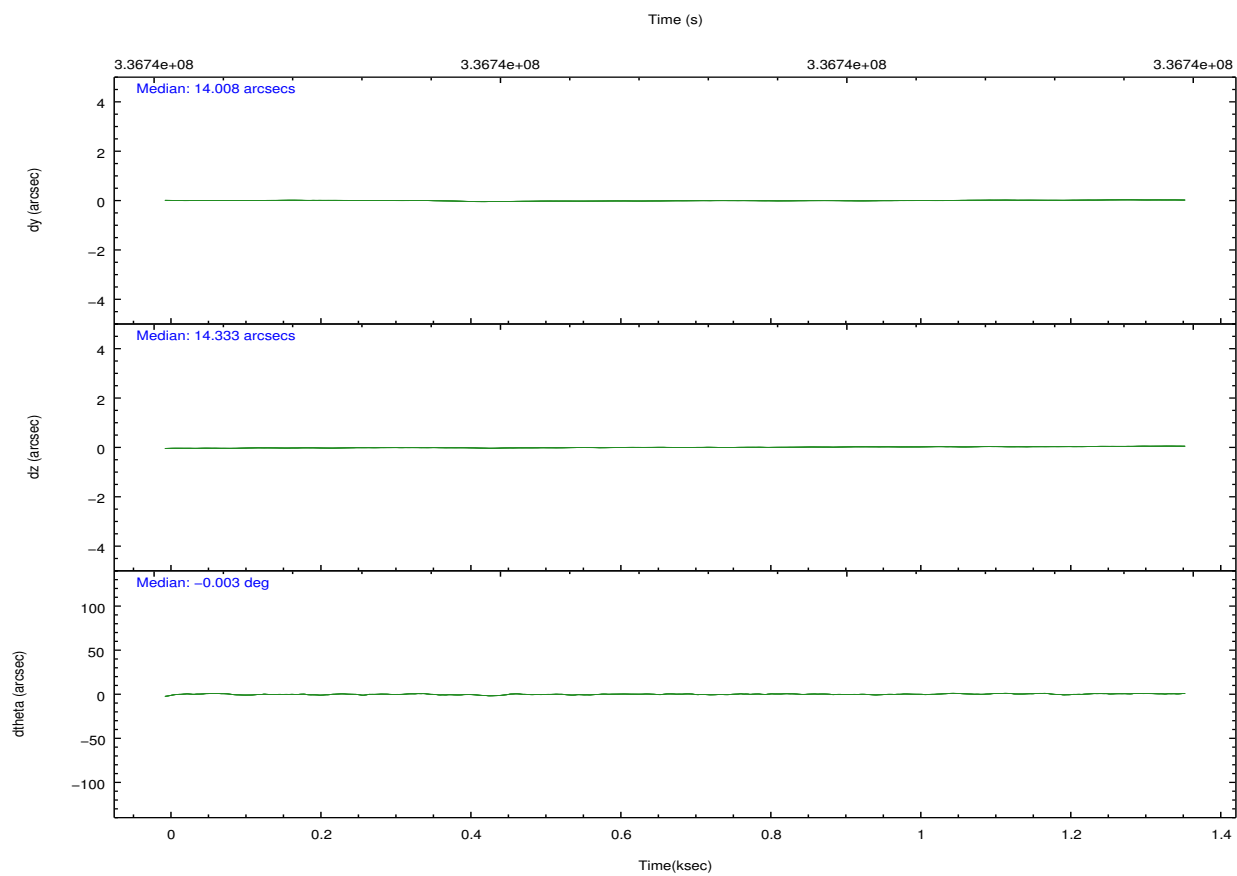
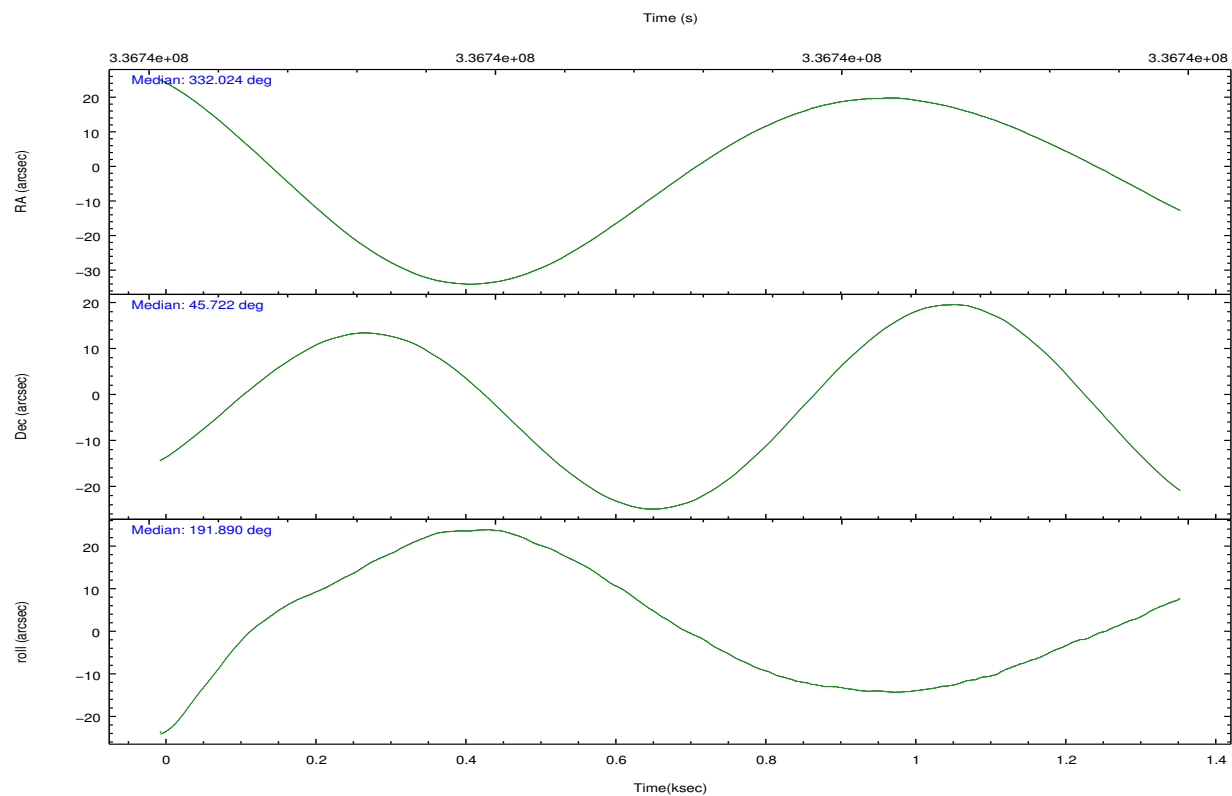
2.2 Compared Parameters

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	332.052258	332.0232715920265
[deg] Pointing Dec	45.741190	45.72162685689248
[deg] Pointing Roll	191.808907	191.8970093679354
[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)	336738253.184000	336737876.89649
Observation start date	2008-09-02T10:23:08	2008-09-02T10:17:56
[s] Observation end time (MET)	336739433.184000	336739567.12157
Observation end date	2008-09-02T10:42:48	2008-09-02T10:46:07

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

2.3 Aspect



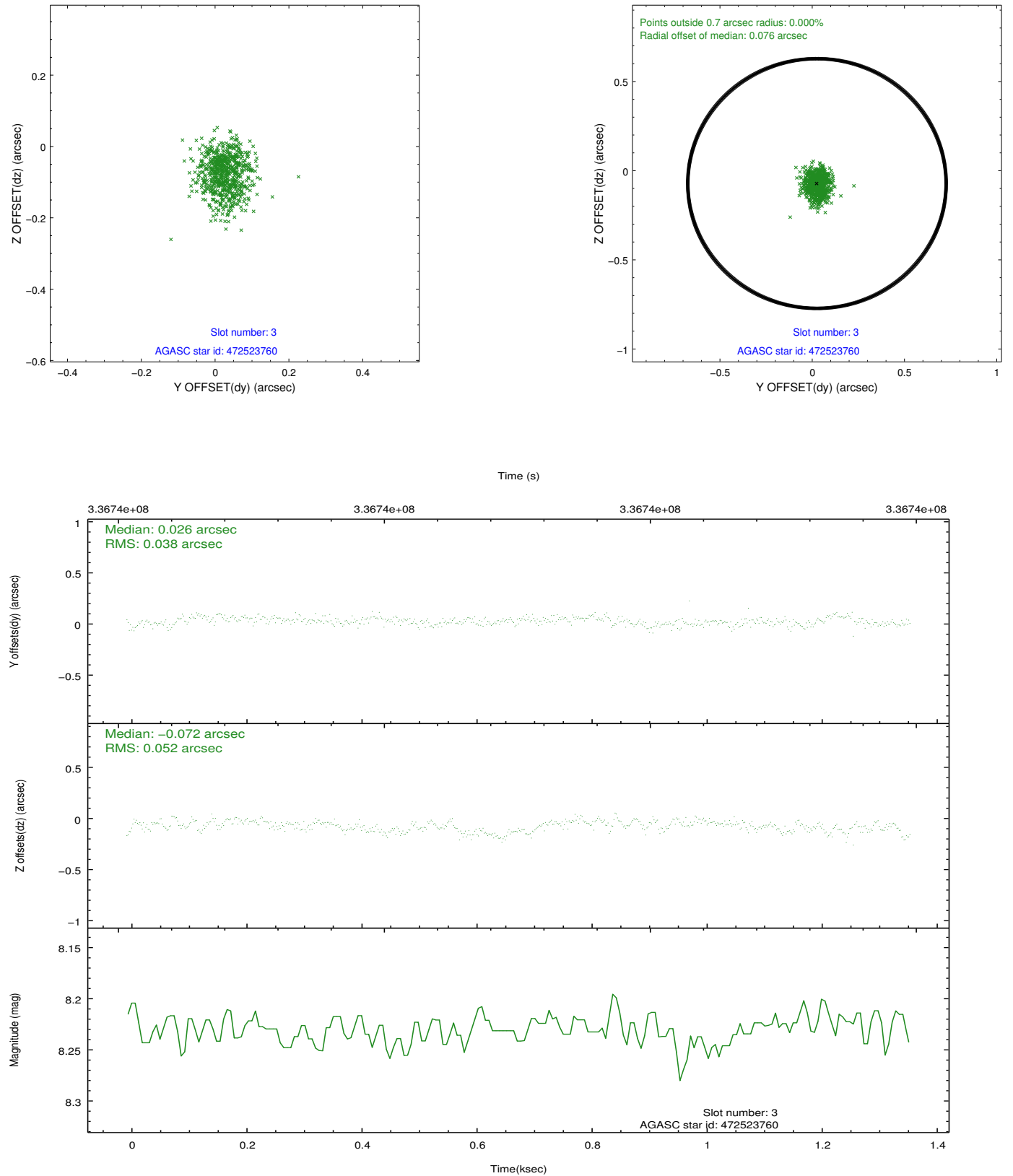


Slot Statistics

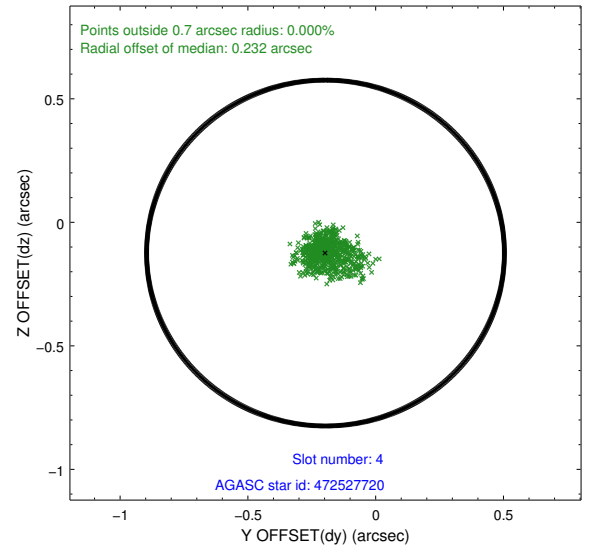
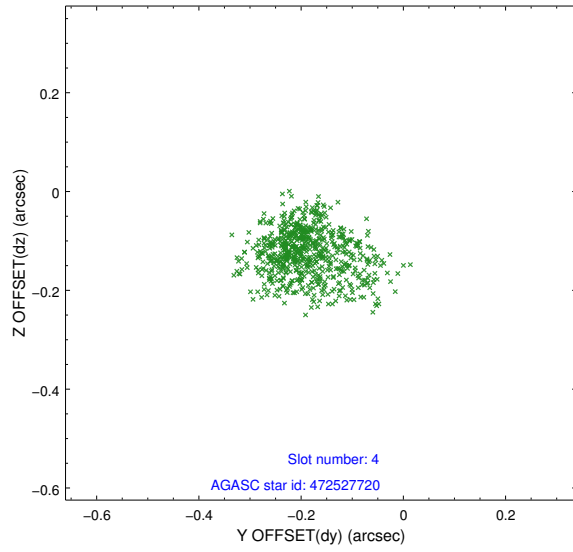
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.02	332	0.088	-0.200	0.006	0.011	0.000000	0.000000	-1168.36	-463.20
1	FID	HRC-S-2	7.00	332	0.196	-0.111	0.004	0.008	0.000000	0.000000	1227.88	-457.15
2	FID	HRC-S-3	7.02	332	0.105	0.009	0.006	0.010	0.000000	0.000000	-1167.37	565.15
3	GUIDE	472523760	8.23	665	0.026	-0.072	0.068	0.109	331.645363	45.403260	1256.47	980.21
4	GUIDE	472527720	6.98	665	-0.196	-0.124	0.084	0.137	331.460205	45.112509	1937.23	1906.05
5	GUIDE	472535576	7.87	665	-0.129	0.095	0.062	0.098	331.438373	46.291802	1092.31	-2253.12
6	GUIDE	472665256	9.00	664	0.262	0.084	0.085	0.136	332.808125	46.195041	-2176.57	-1223.85
7	GUIDE	472533912	9.14	664	0.019	0.018	0.118	0.186	331.791136	46.368695	170.76	-2344.44

2.4 Star Slots

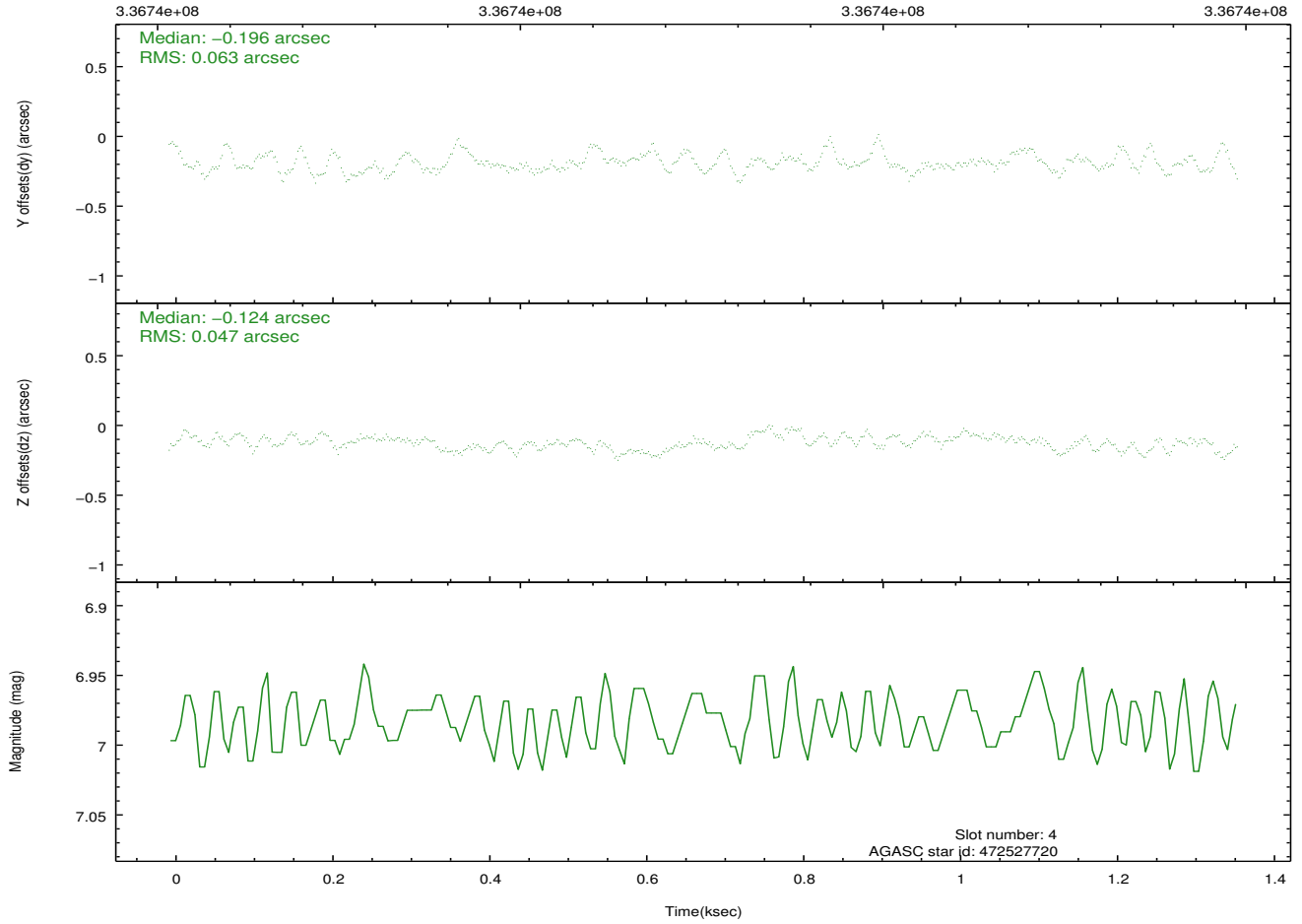
2.4.1 Slot 3



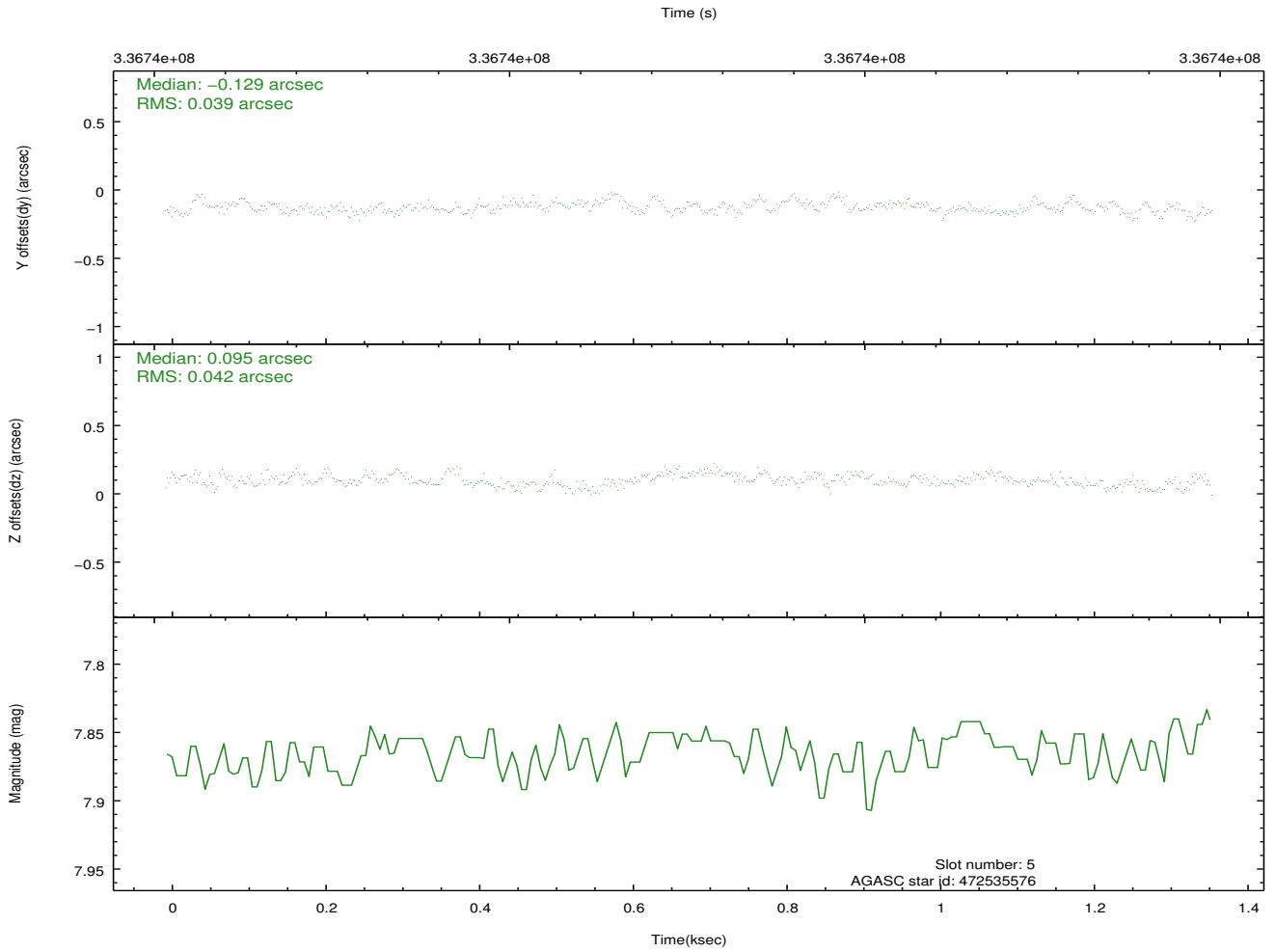
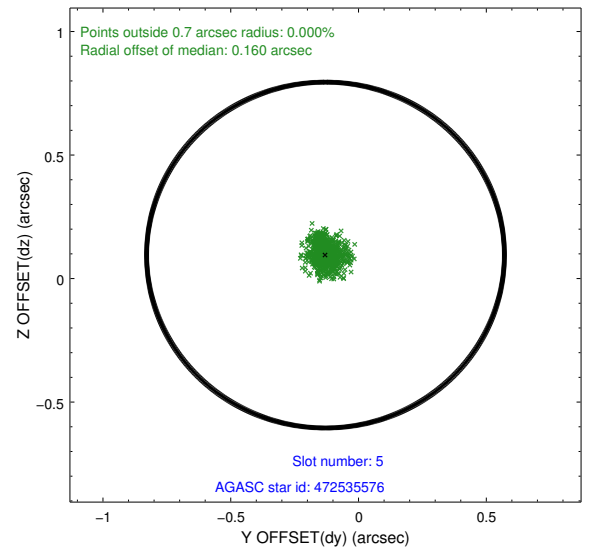
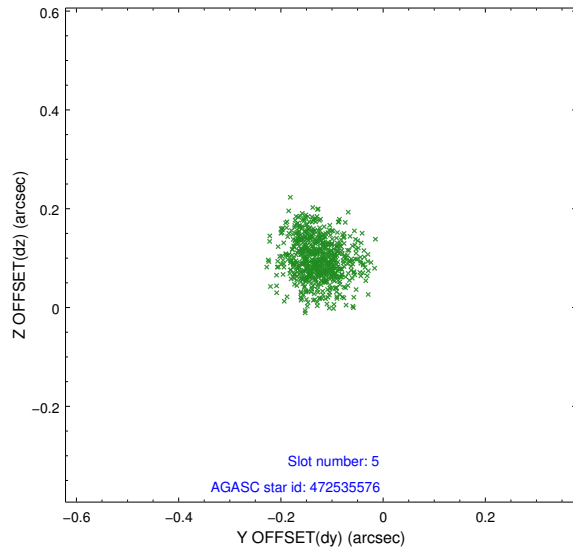
2.4.2 Slot 4



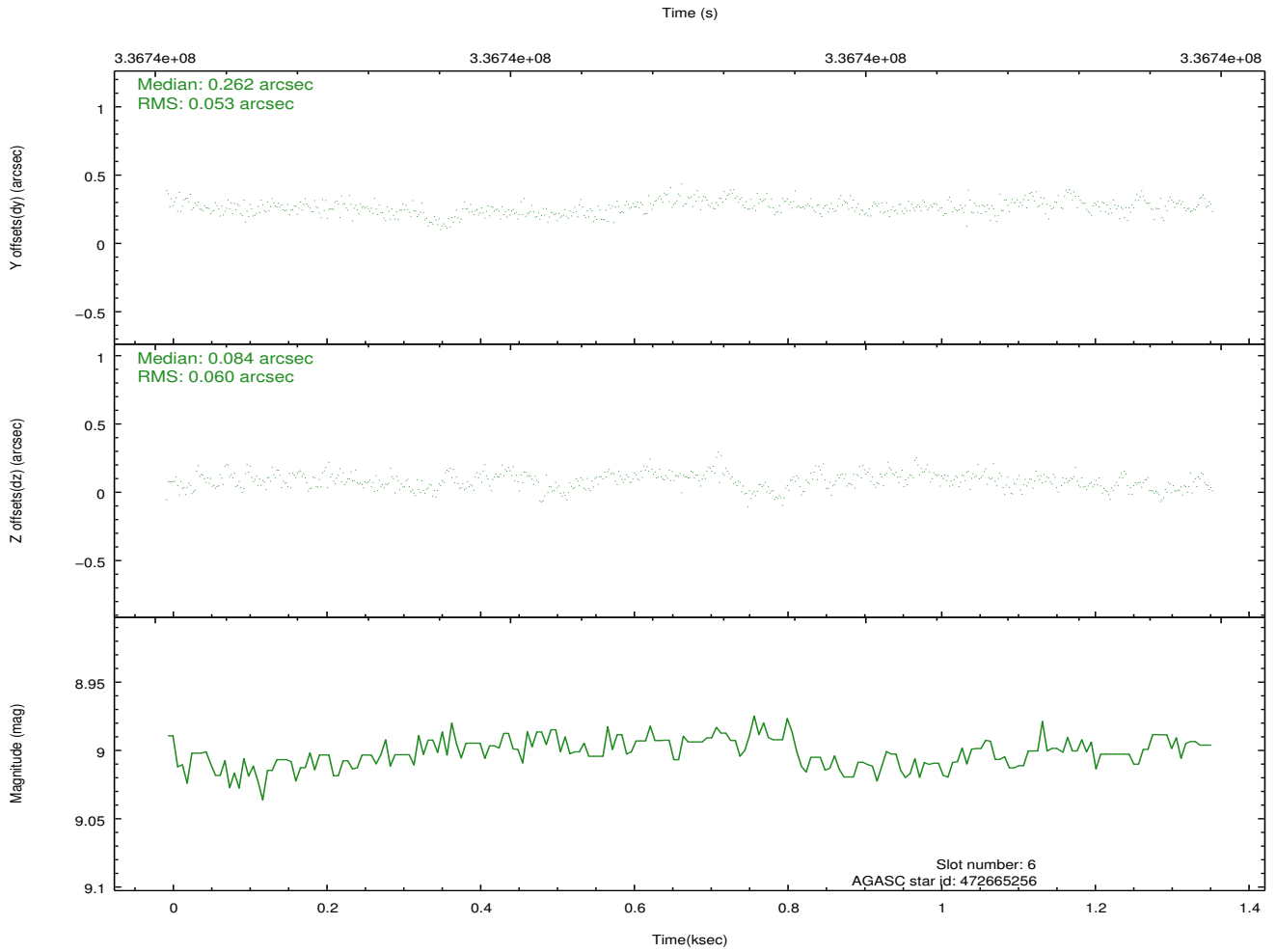
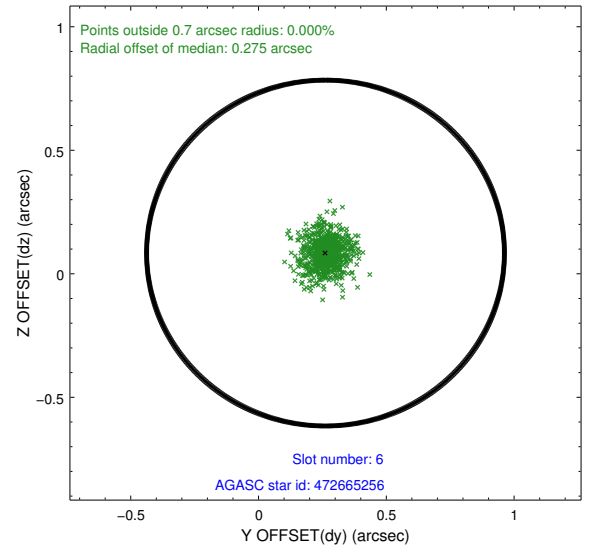
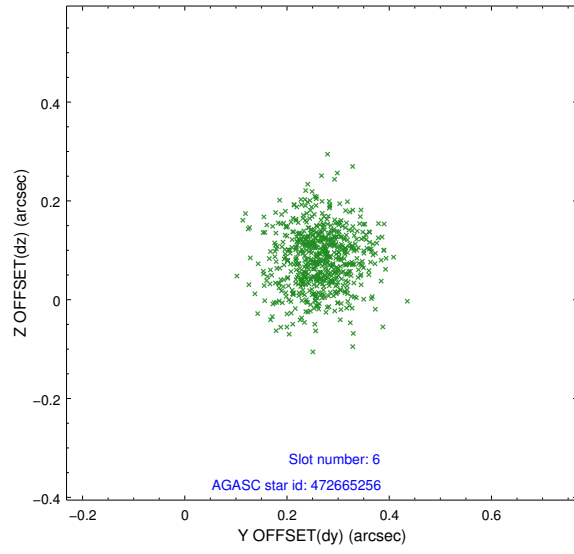
Time (s)



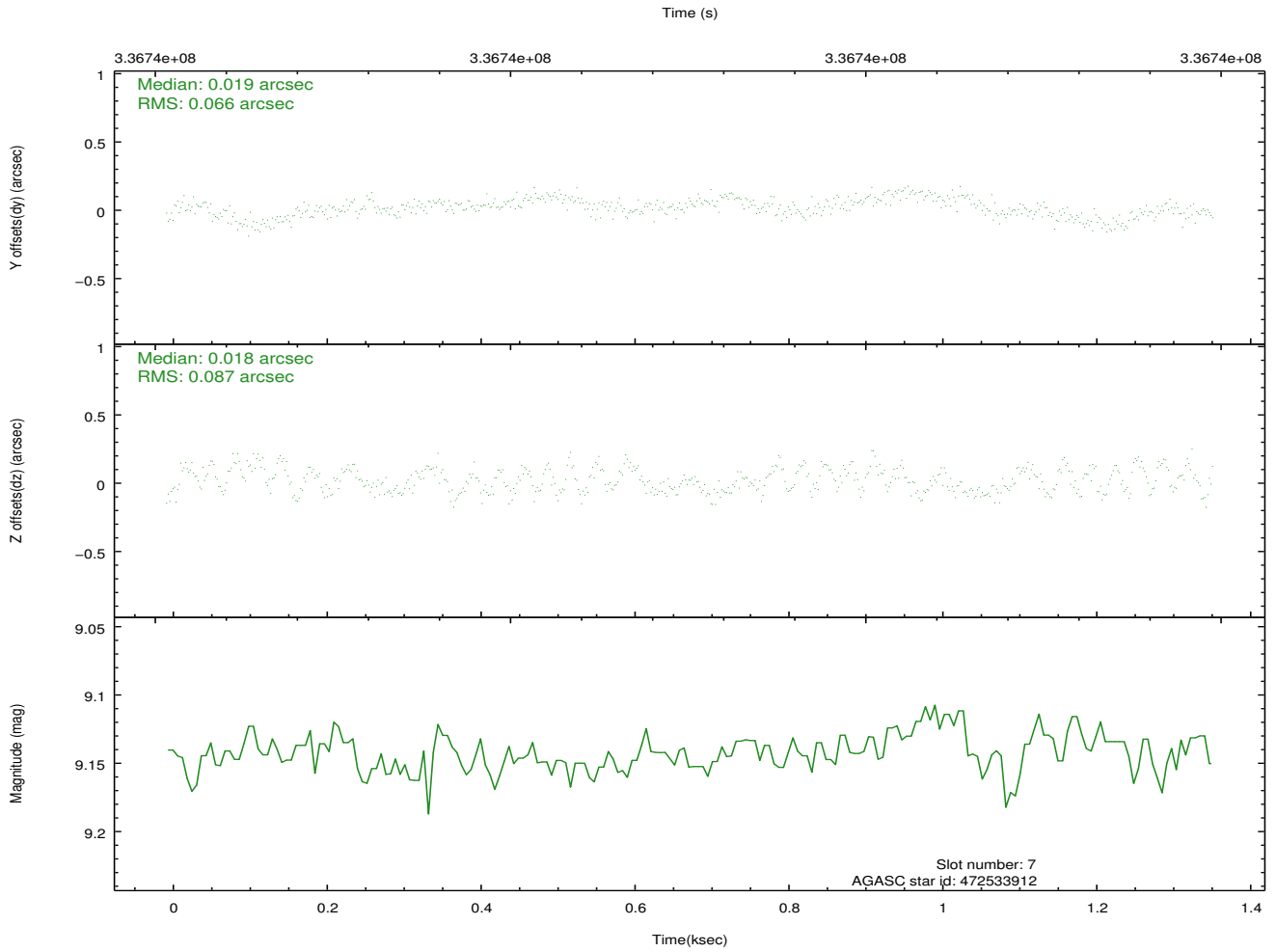
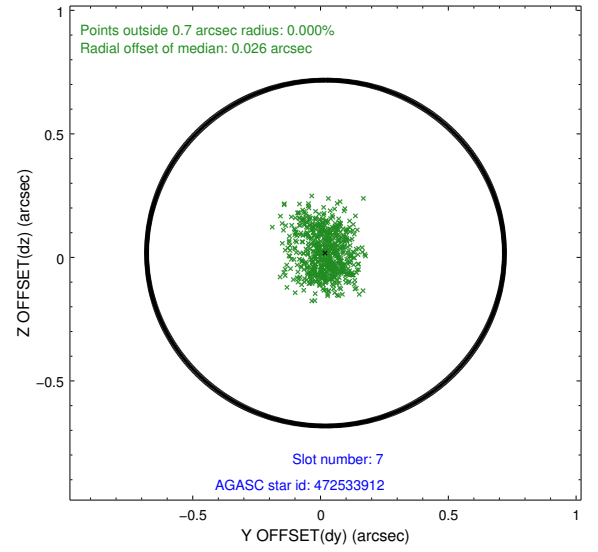
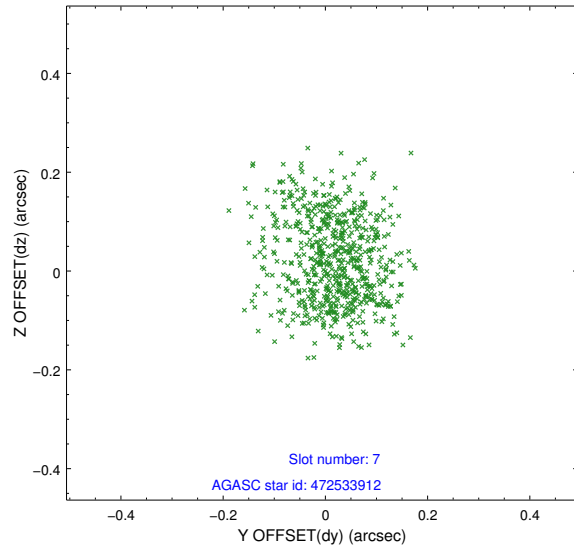
2.4.3 Slot 5



2.4.4 Slot 6

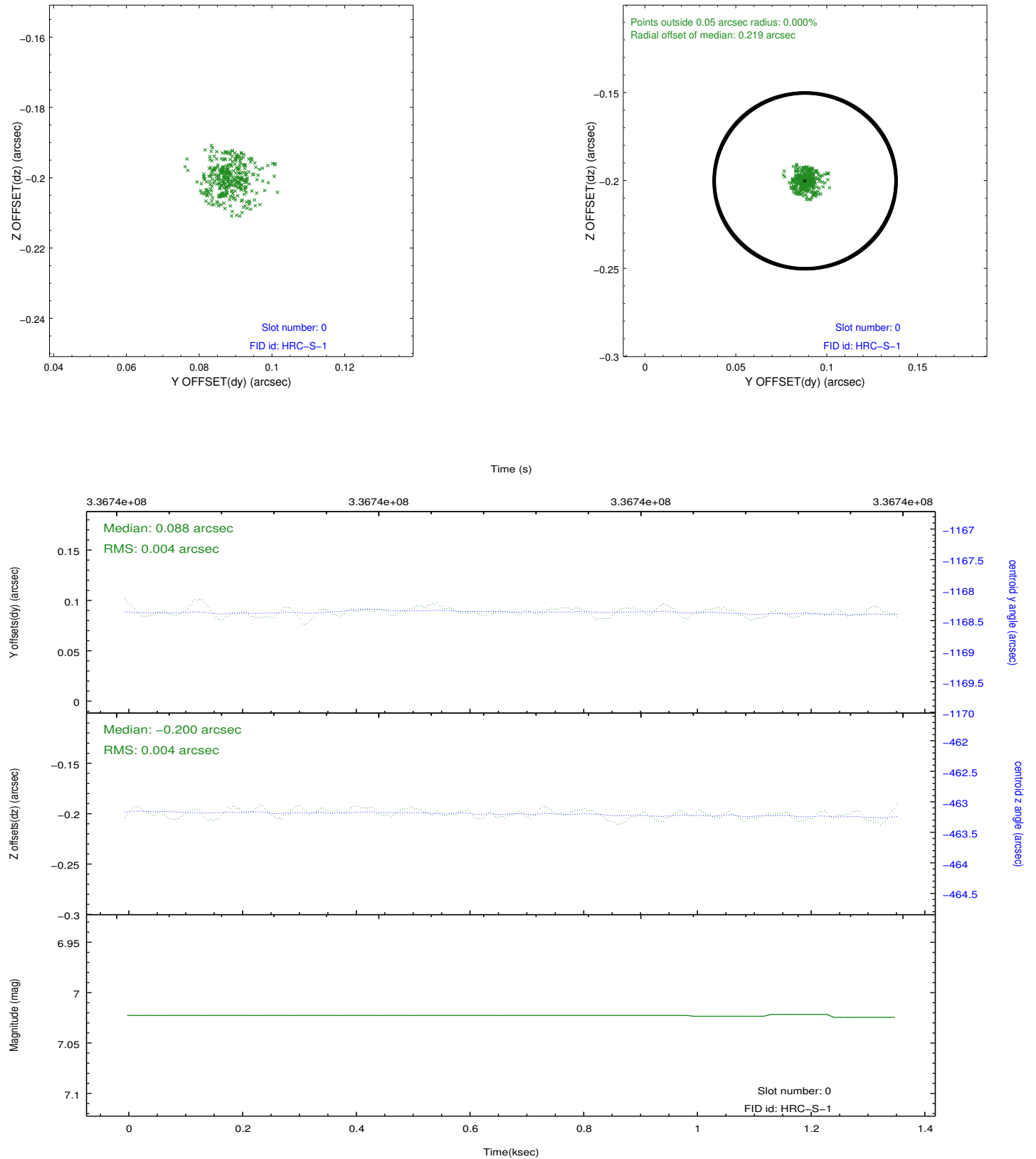


2.4.5 Slot 7

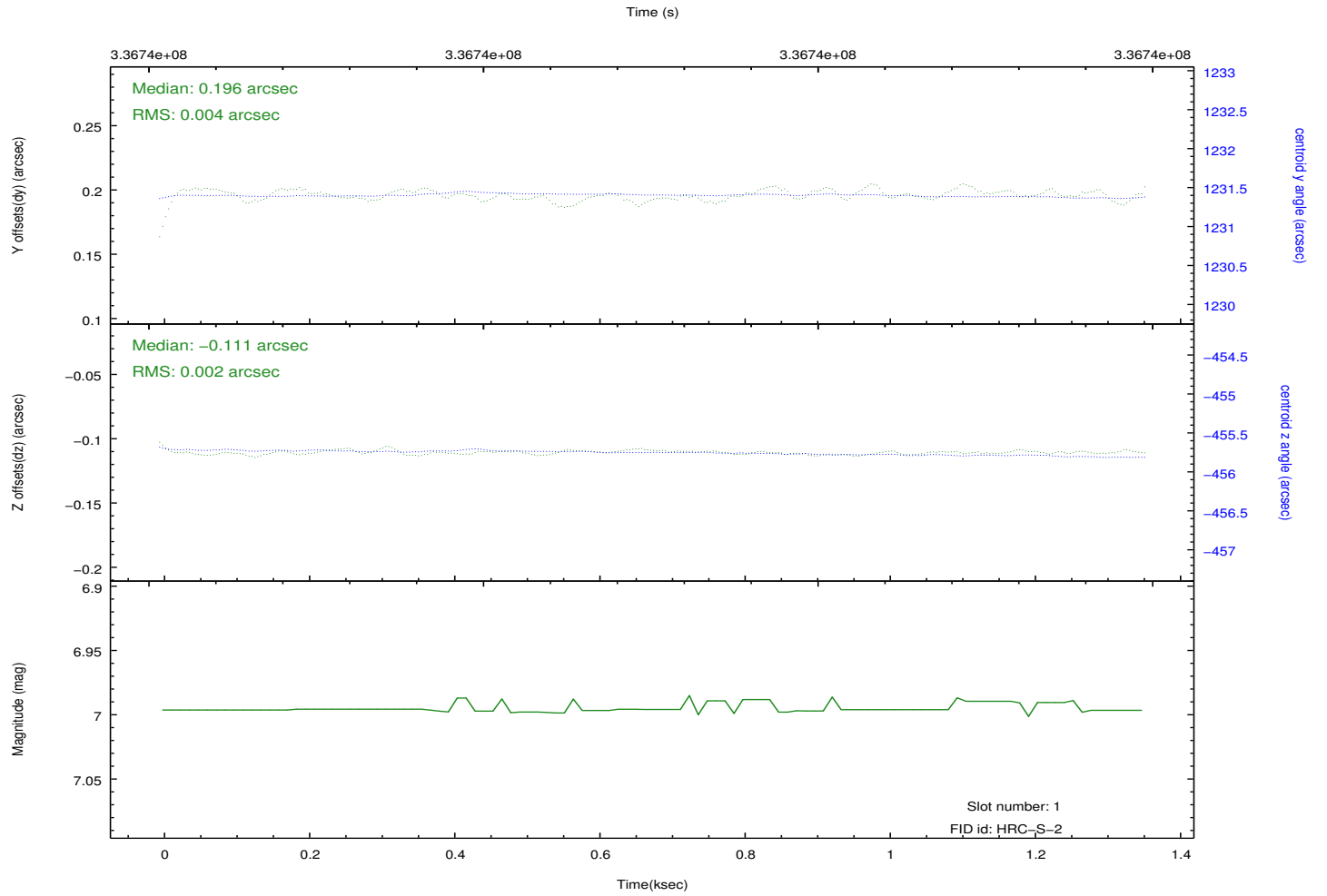
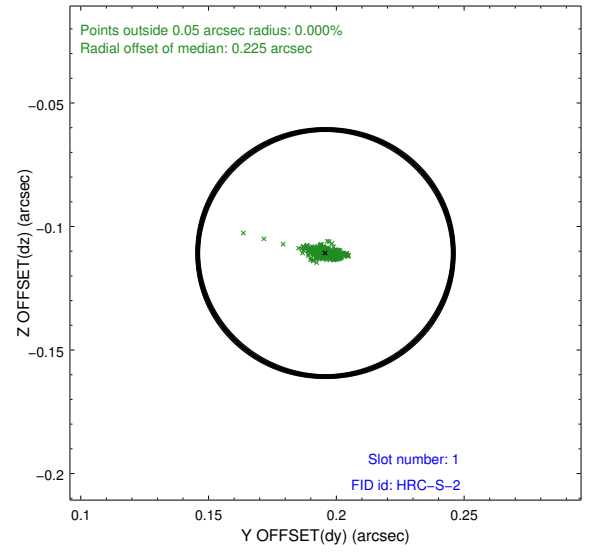
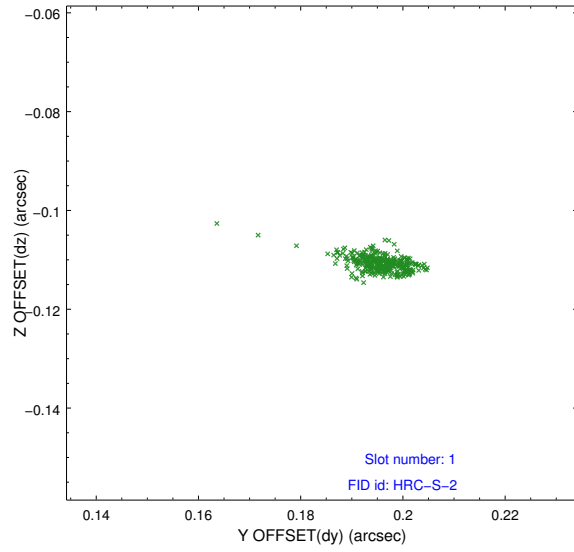


2.5 FID Slots

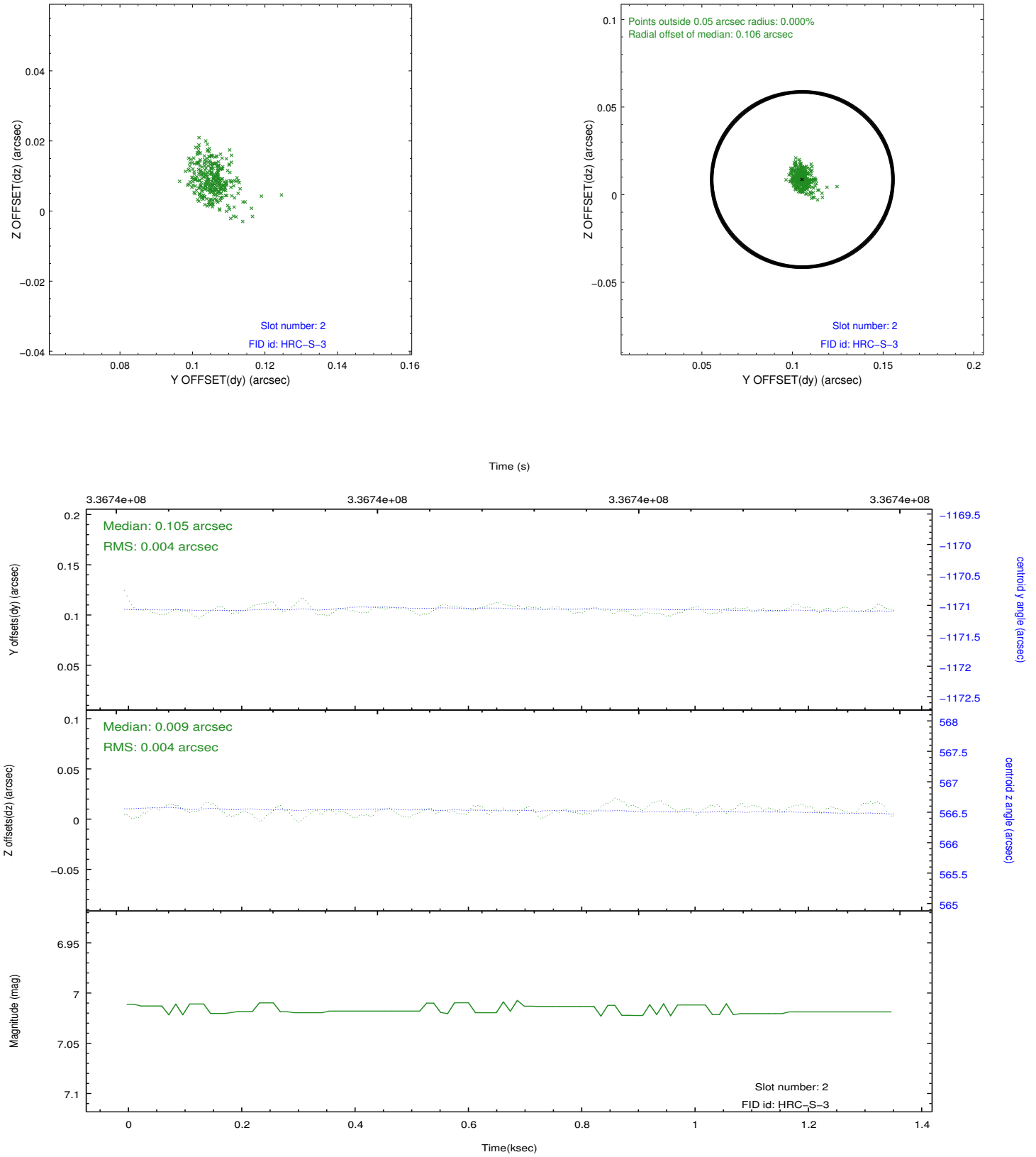
2.5.1 Slot 0



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)	2012.08.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.33173131

A.2 Comments