

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 6019 - L2 Version 3
Chandra X-Ray Center

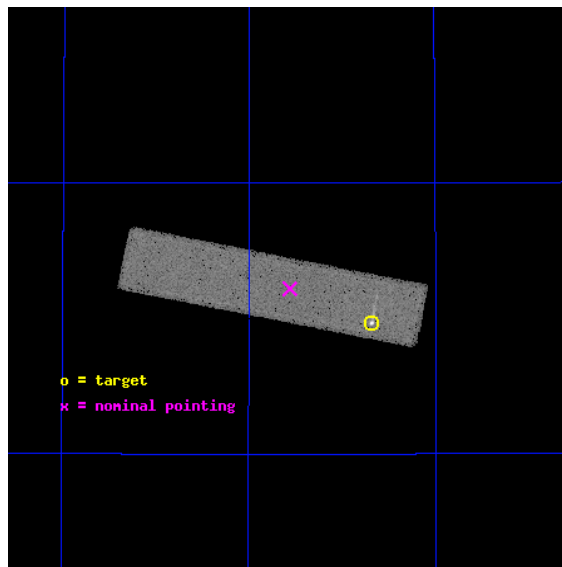
L2 Processing Date : Dec 28 2012

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

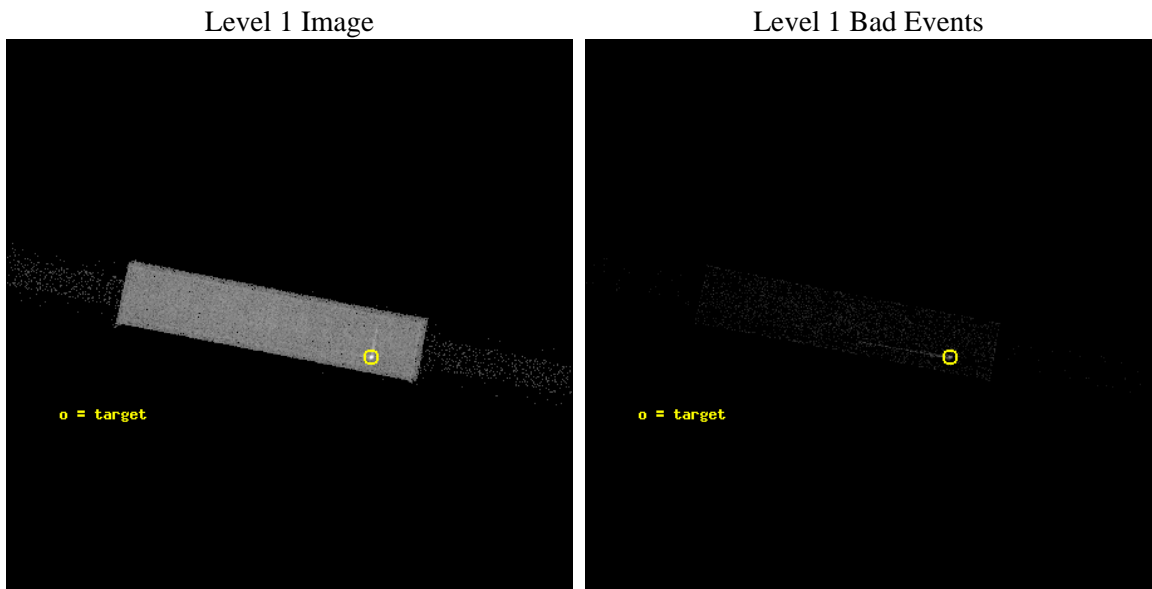
seq_num	290511	Sequence number
obs_id	6019	Observation id
title	AO6B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.3895414166	Nominal RA [deg]
dec_nom	45.805572849205	Nominal Dec [deg]
roll_nom	190.9705331766	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1151.3313028812	[s]
livetime	1142.757008605	Ontime multiplied by DTCOR
l2events	60323	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	8.5.1.1	Processing system revision	ontime	1151.3313028812	[s]
caldsver	4.5.5	 	l1events	98750	Number of level 1 events
date	2012-12-28T18:51:51	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

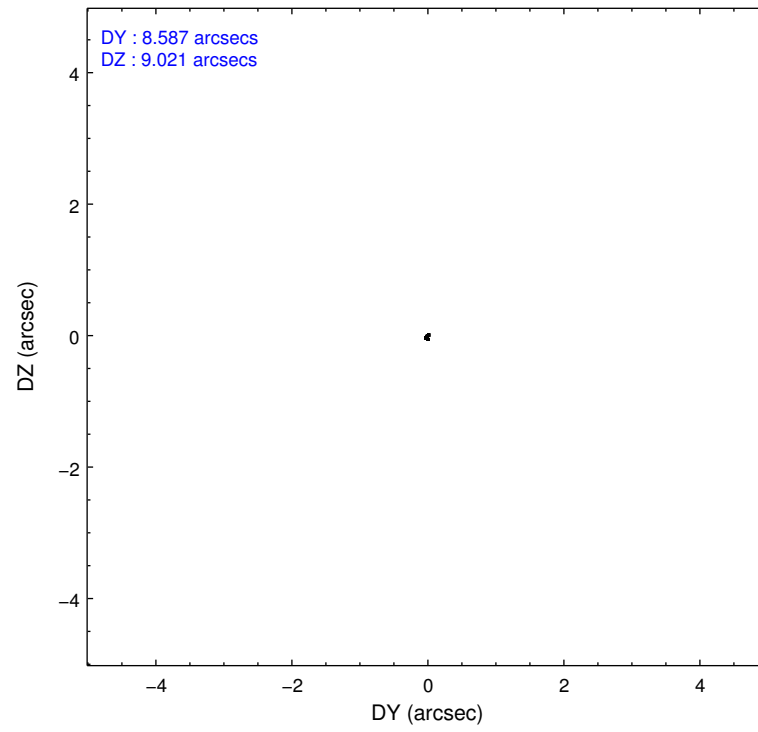
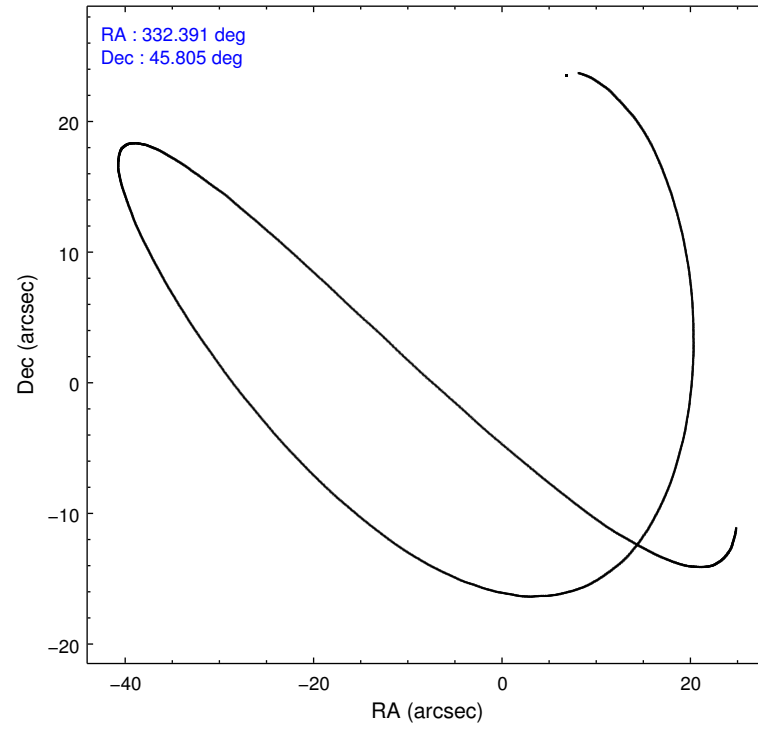
Level 1 Events

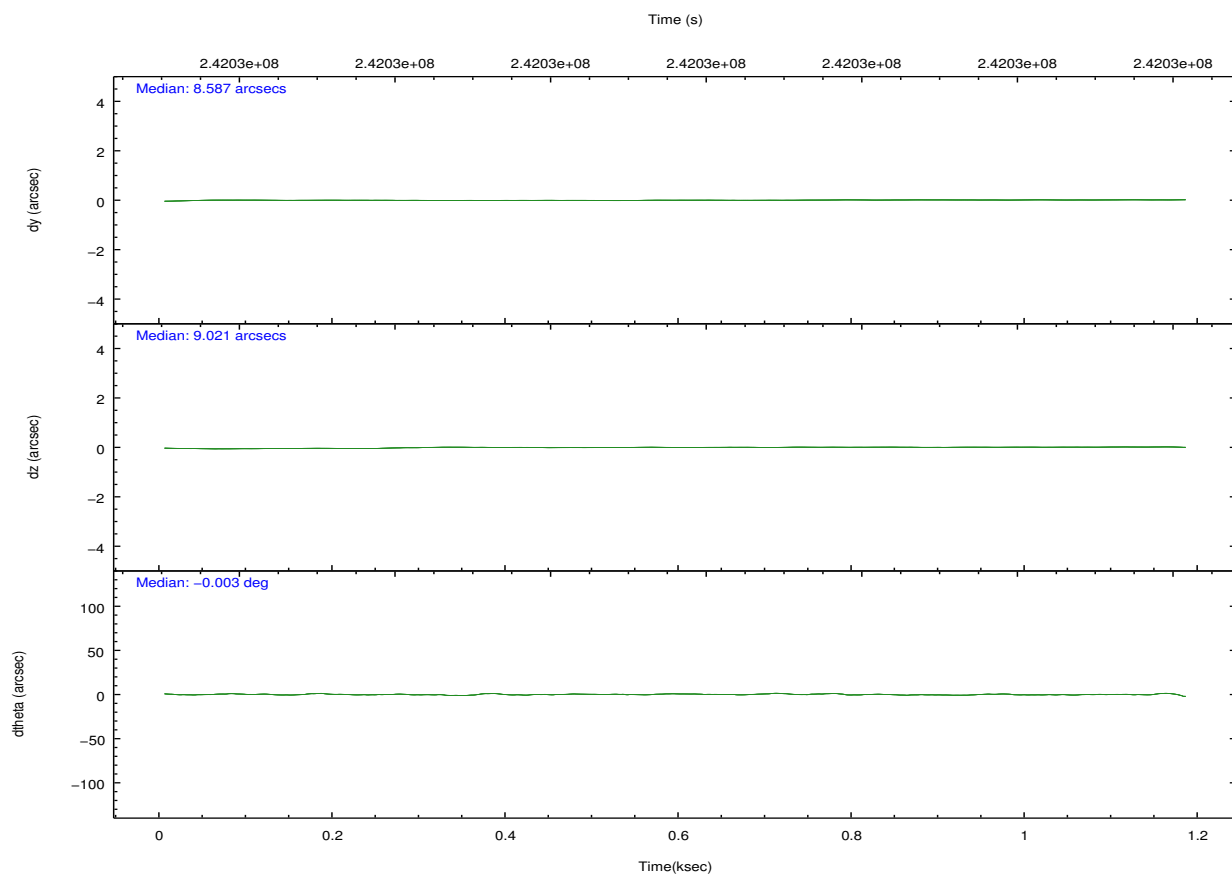
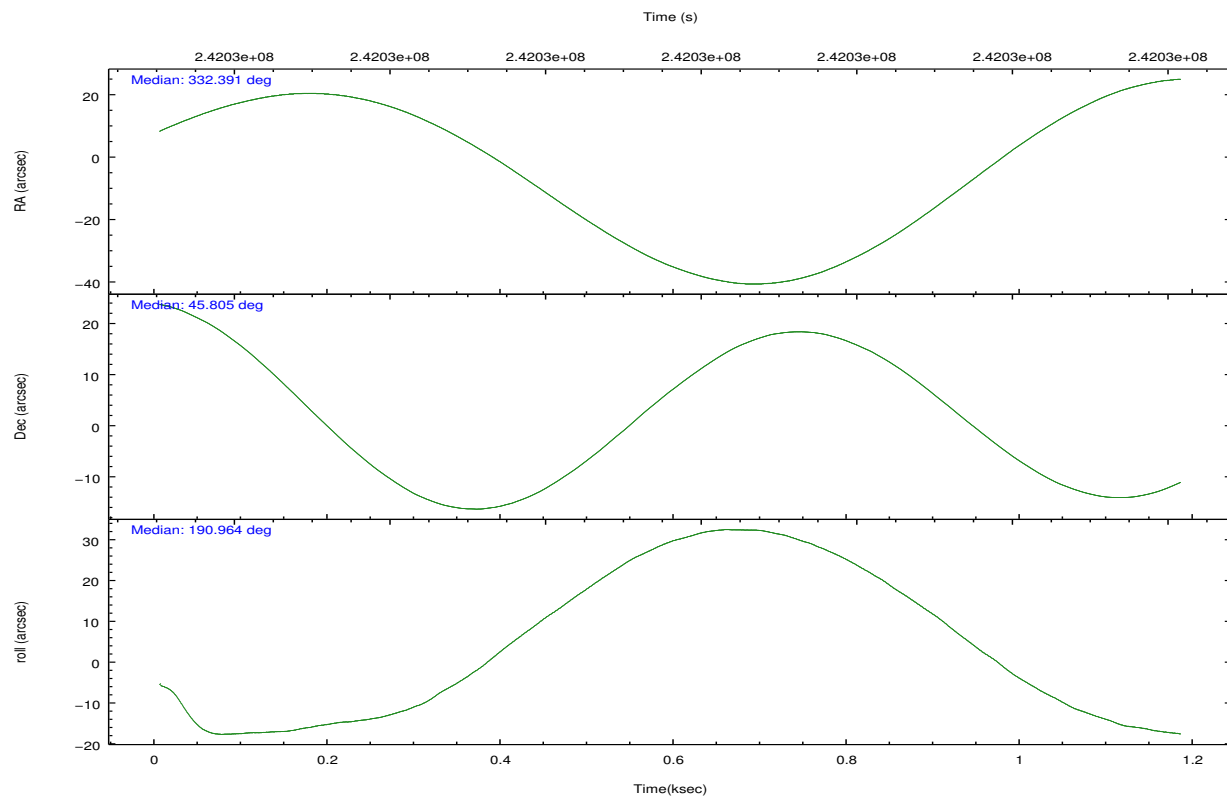
	segment 1	segment 2	segment 3
level 1 events	1031	96806	913
rejected events	1031	23974	913
rejected %	100%	24%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.418466	332.3895414166046			
[deg] Pointing Dec	45.825815	45.80557284920452			
[deg] Pointing Roll	190.882435	190.9705331766013			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	242026954.184000	242026578.55975			
Observation start date	2005-09-02T05:41:30	2005-09-02T05:36:18			
[s] Observation end time (MET)	242027954.184000	242028088.38482			
Observation end date	2005-09-02T05:58:10	2005-09-02T06:01:28			

2.3 Aspect



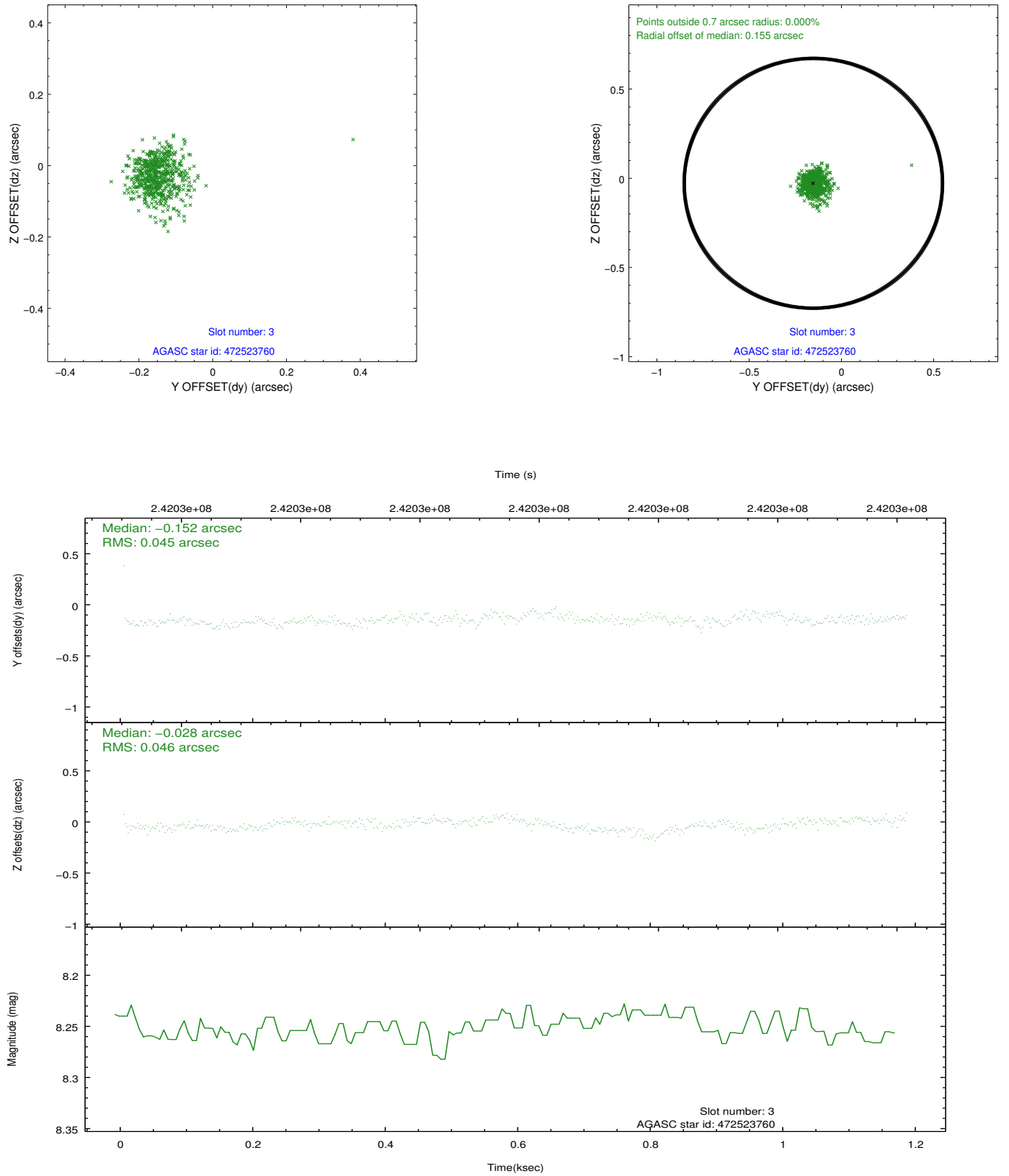


Slot Statistics

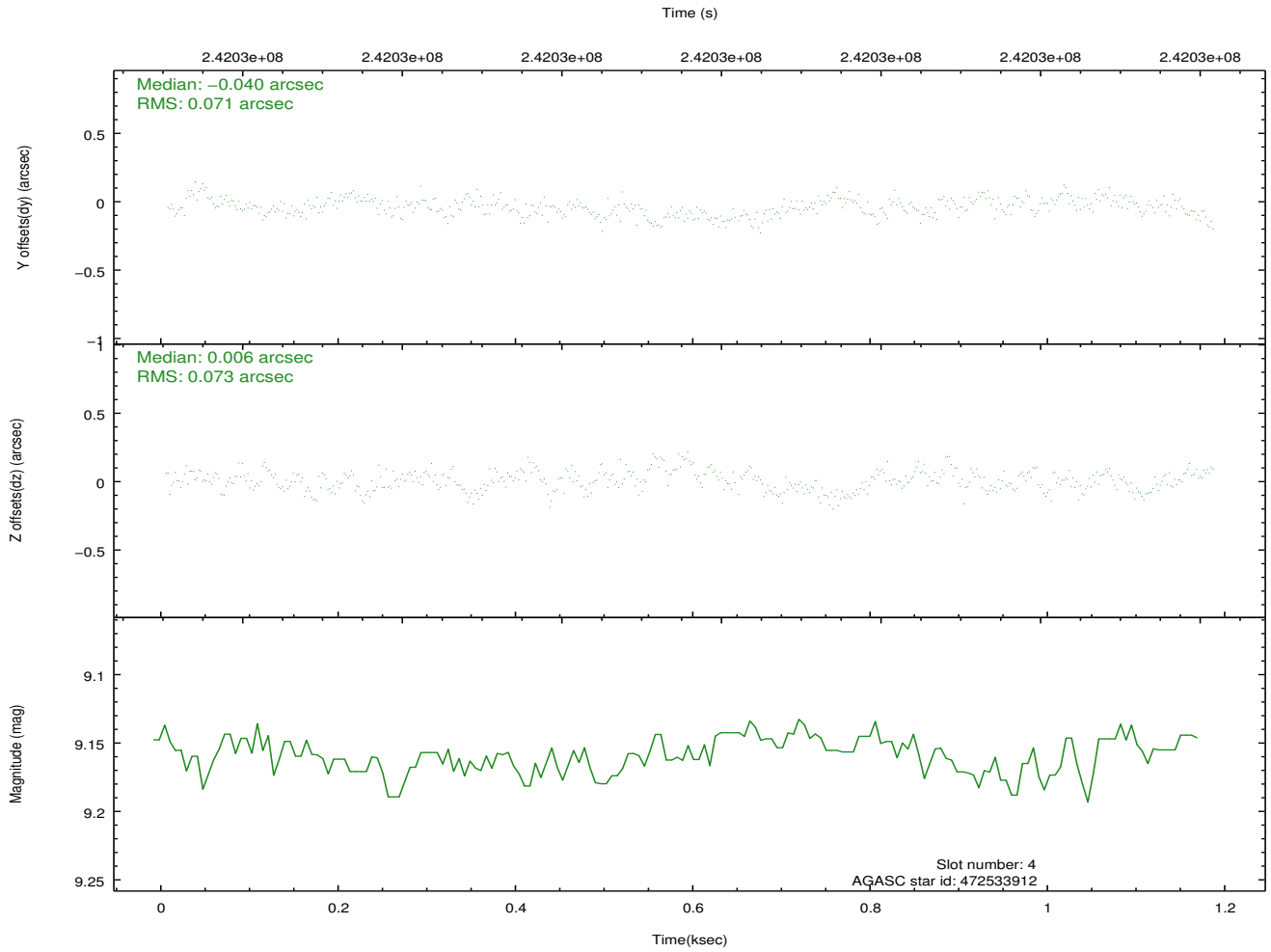
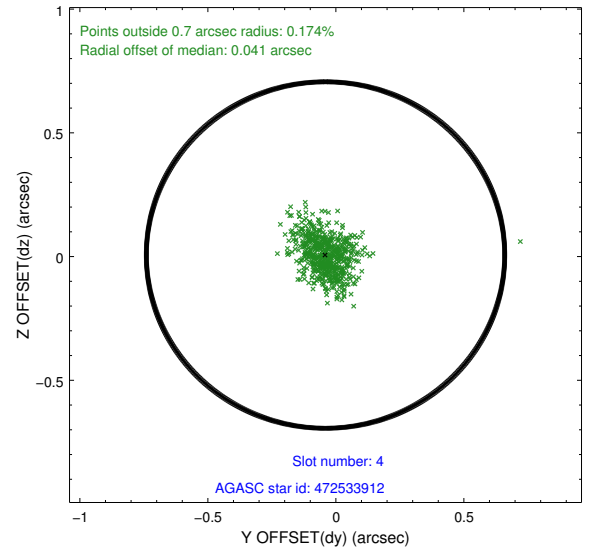
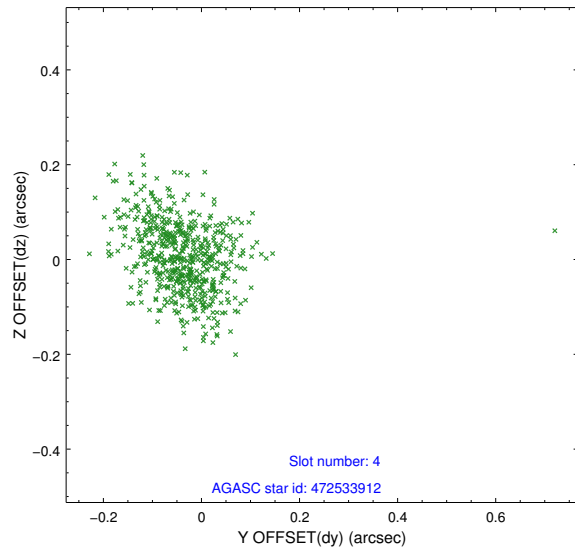
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.04	288	0.159	-0.178	0.007	0.012	0.000000	0.000000	-1162.76	-457.69
1	FID	HRC-S-2	7.03	288	0.128	-0.112	0.004	0.007	0.000000	0.000000	1232.86	-451.86
2	FID	HRC-S-3	7.05	288	0.104	-0.012	0.008	0.013	0.000000	0.000000	-1161.24	570.44
3	GUIDE	472523760	8.25	577	-0.152	-0.028	0.064	0.110	331.645363	45.403260	2206.02	1114.23
4	GUIDE	472533912	9.16	576	-0.040	0.006	0.102	0.172	331.791136	46.368695	1166.07	-2219.12
5	GUIDE	472535576	7.88	577	-0.113	0.019	0.065	0.116	331.438373	46.291802	2078.60	-2127.76
6	GUIDE	472655152	9.45	575	0.181	-0.000	0.114	0.190	332.504239	45.862991	-230.78	-96.33
7	GUIDE	472665256	9.01	576	0.129	-0.016	0.079	0.135	332.808125	46.195041	-1203.33	-1126.26

2.4 Star Slots

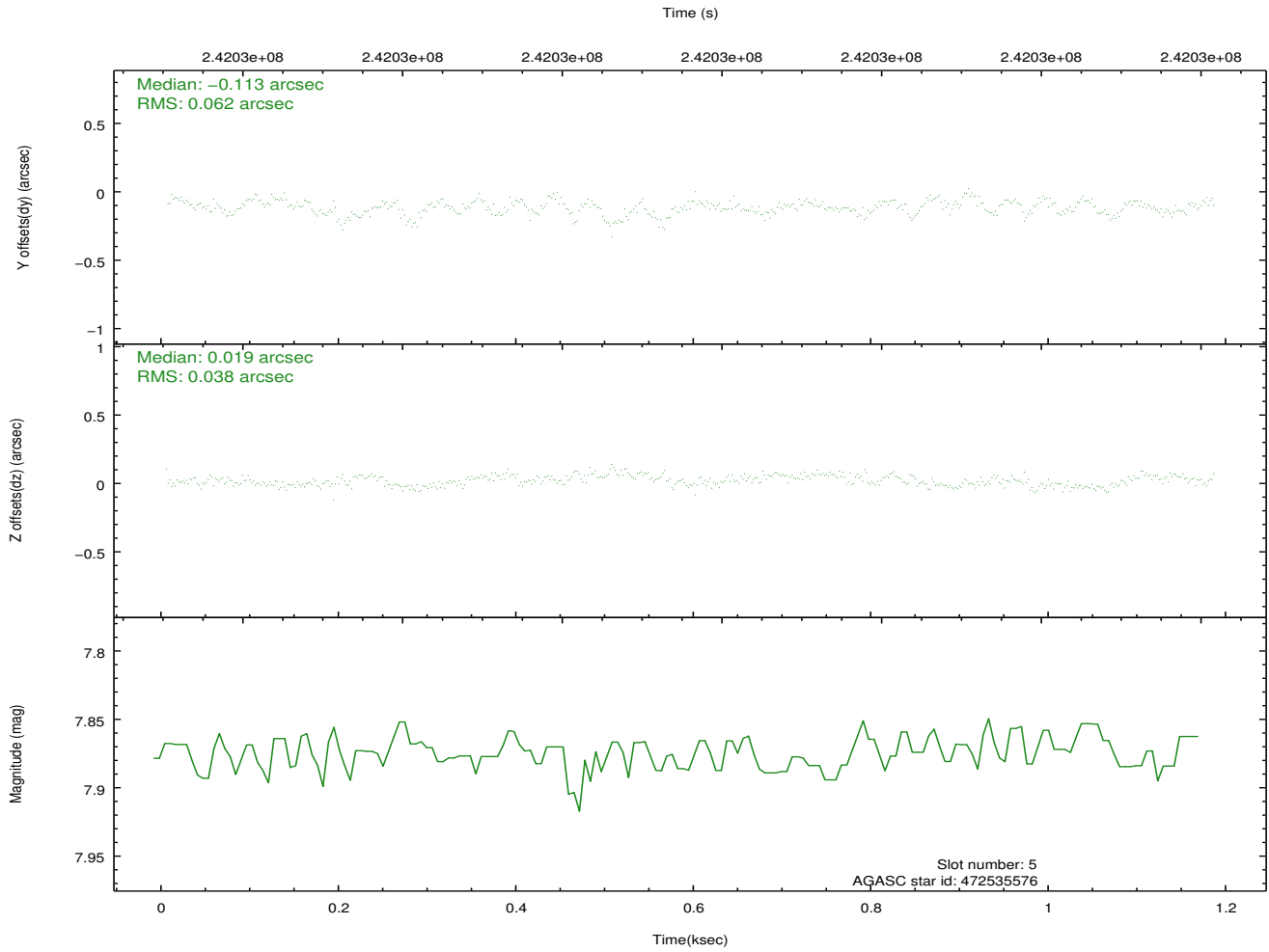
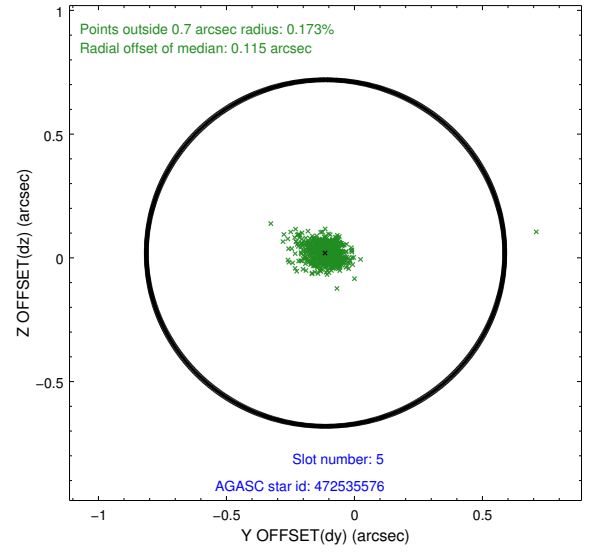
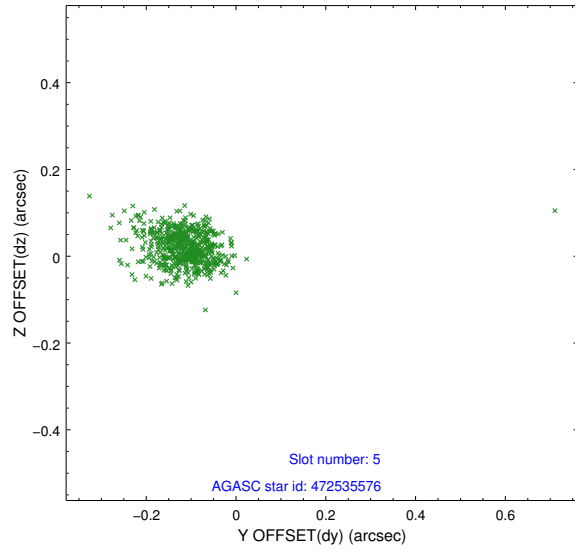
2.4.1 Slot 3



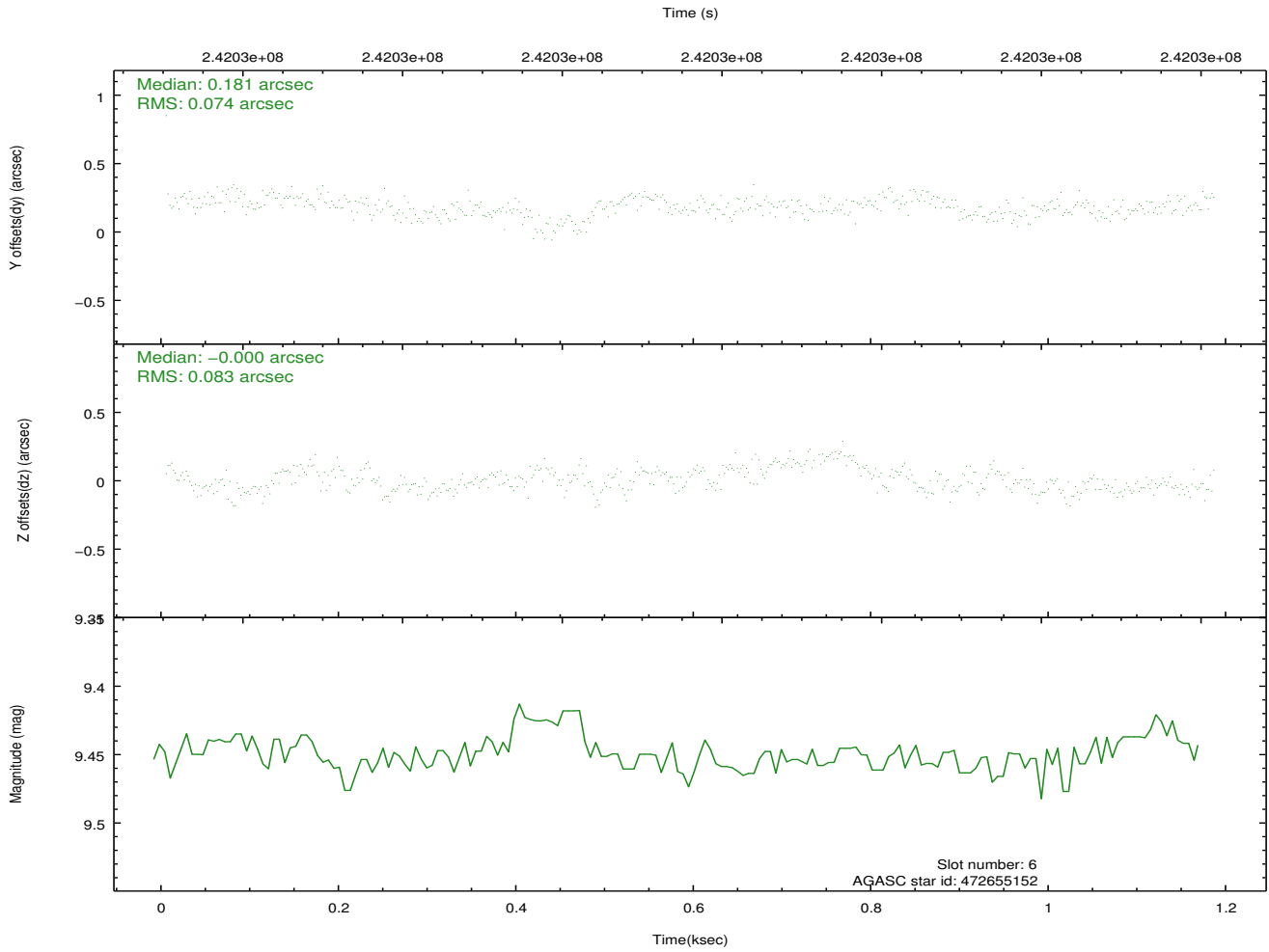
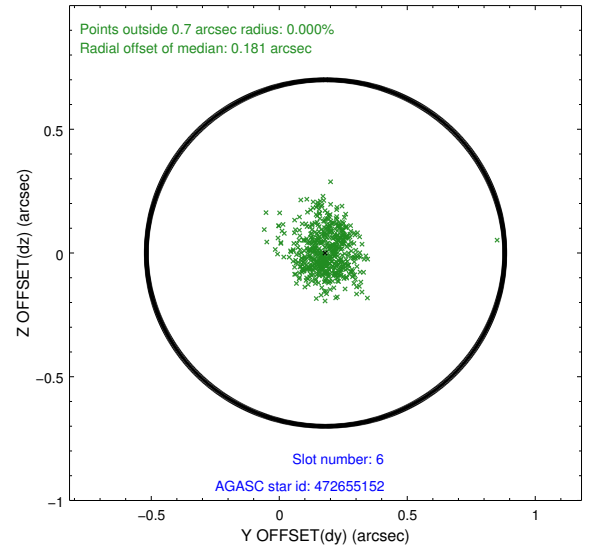
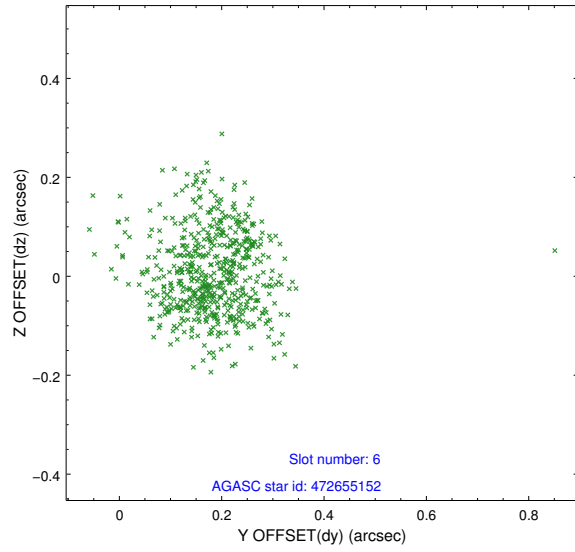
2.4.2 Slot 4



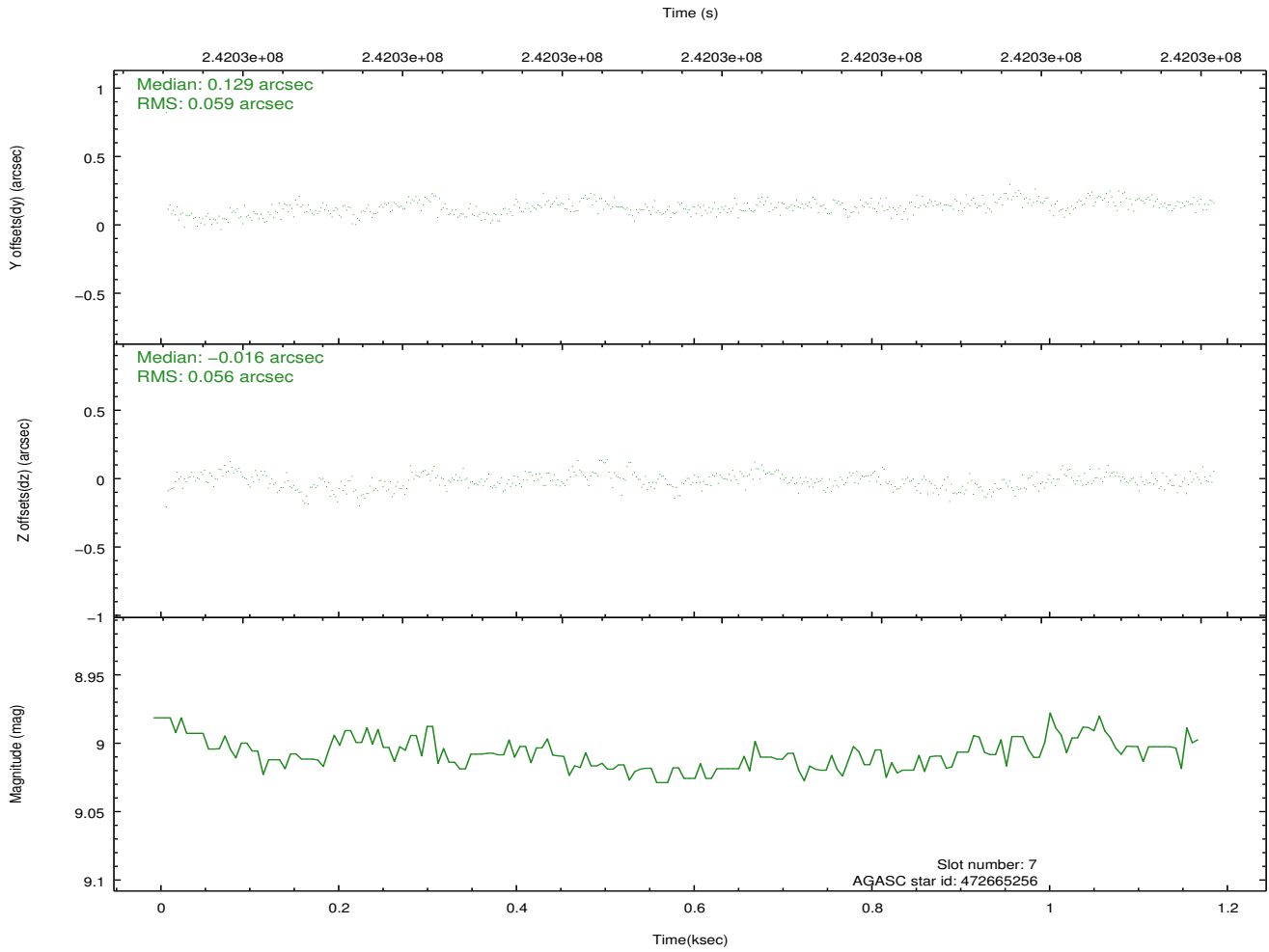
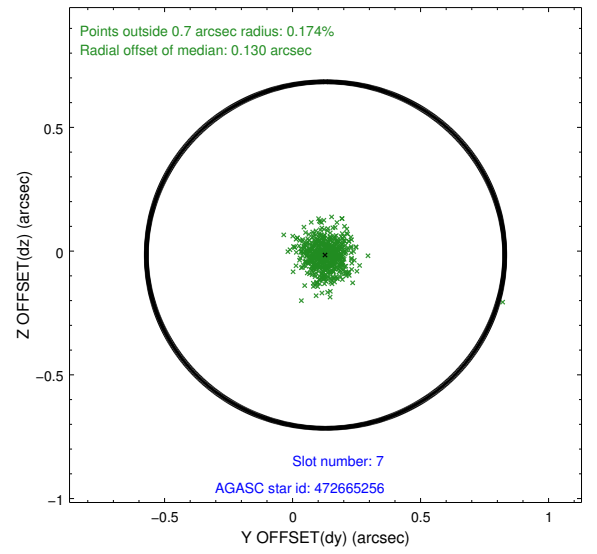
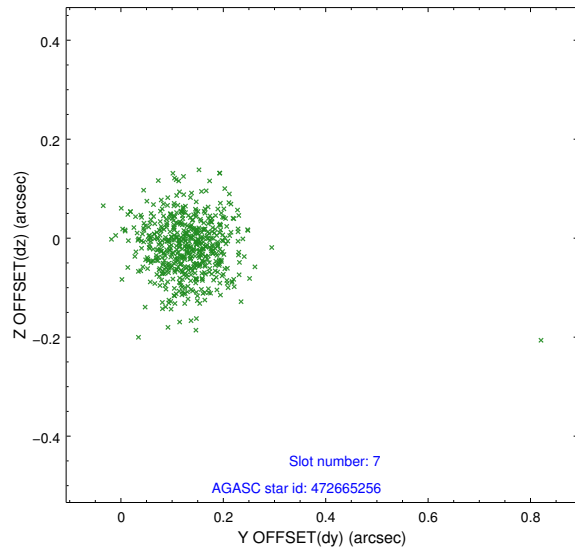
2.4.3 Slot 5



2.4.4 Slot 6

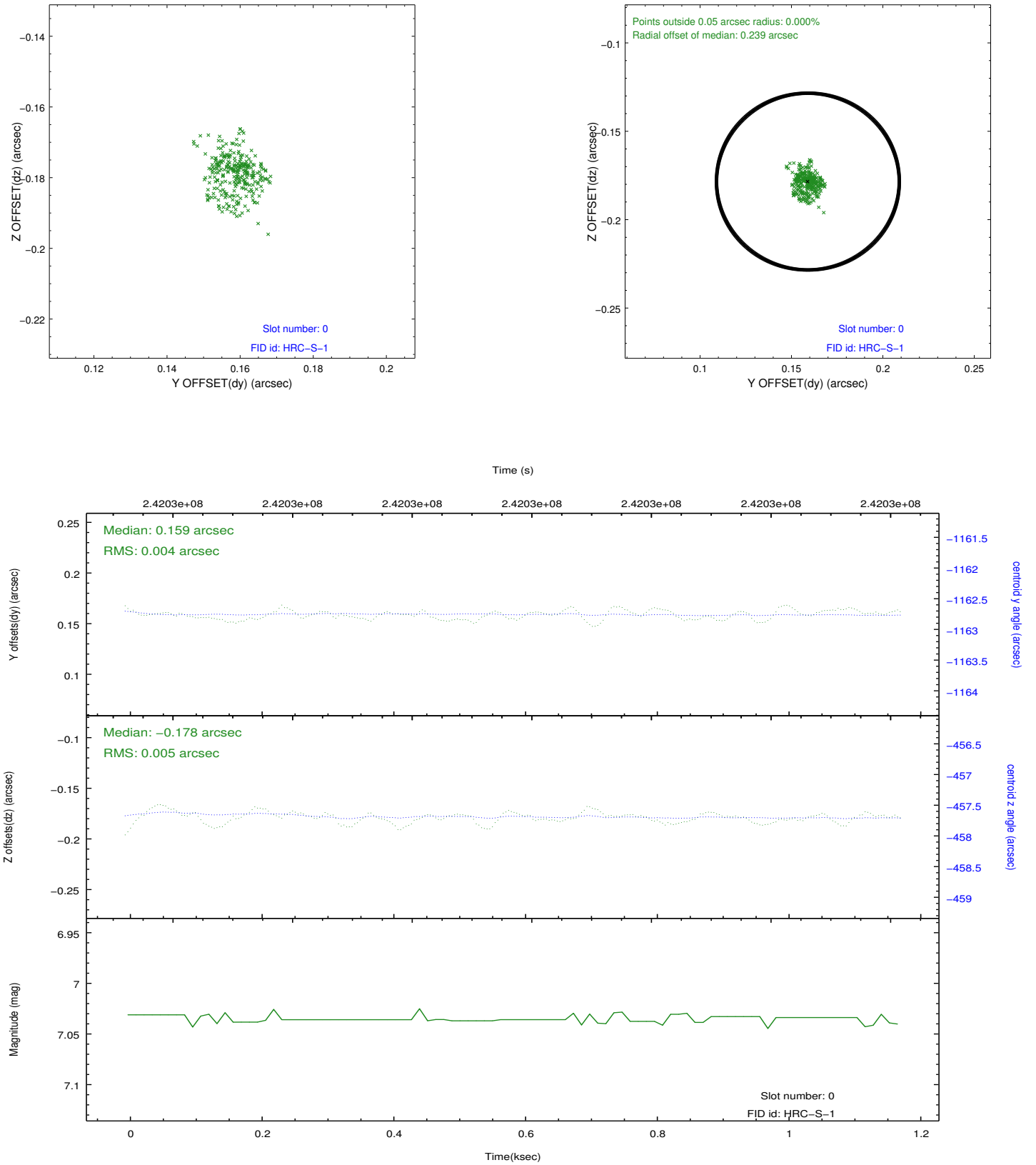


2.4.5 Slot 7

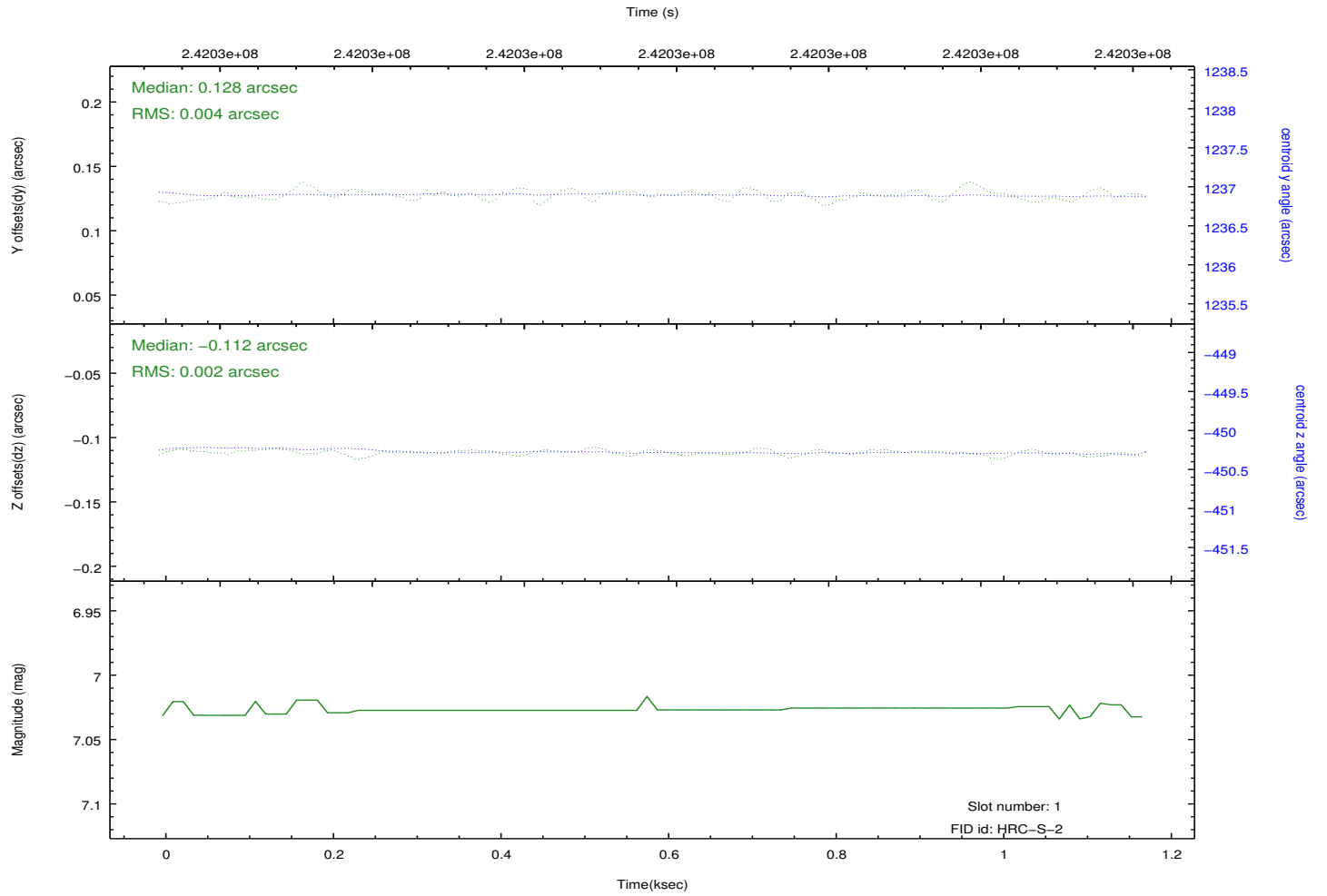
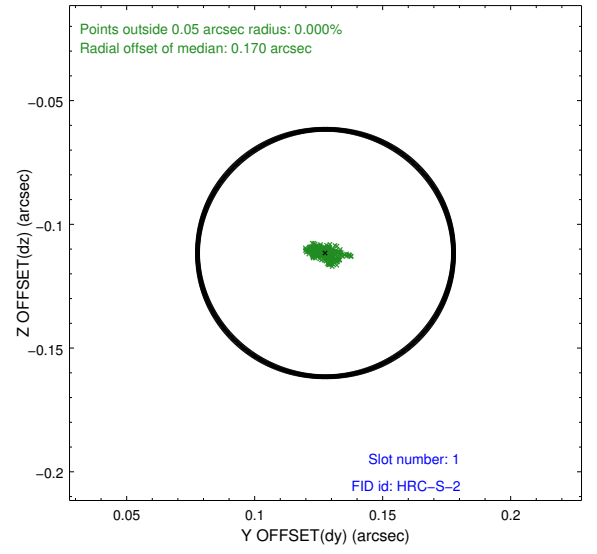
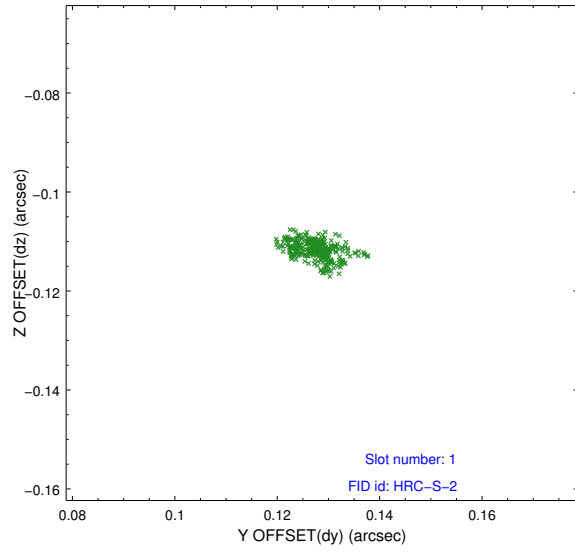


2.5 FID Slots

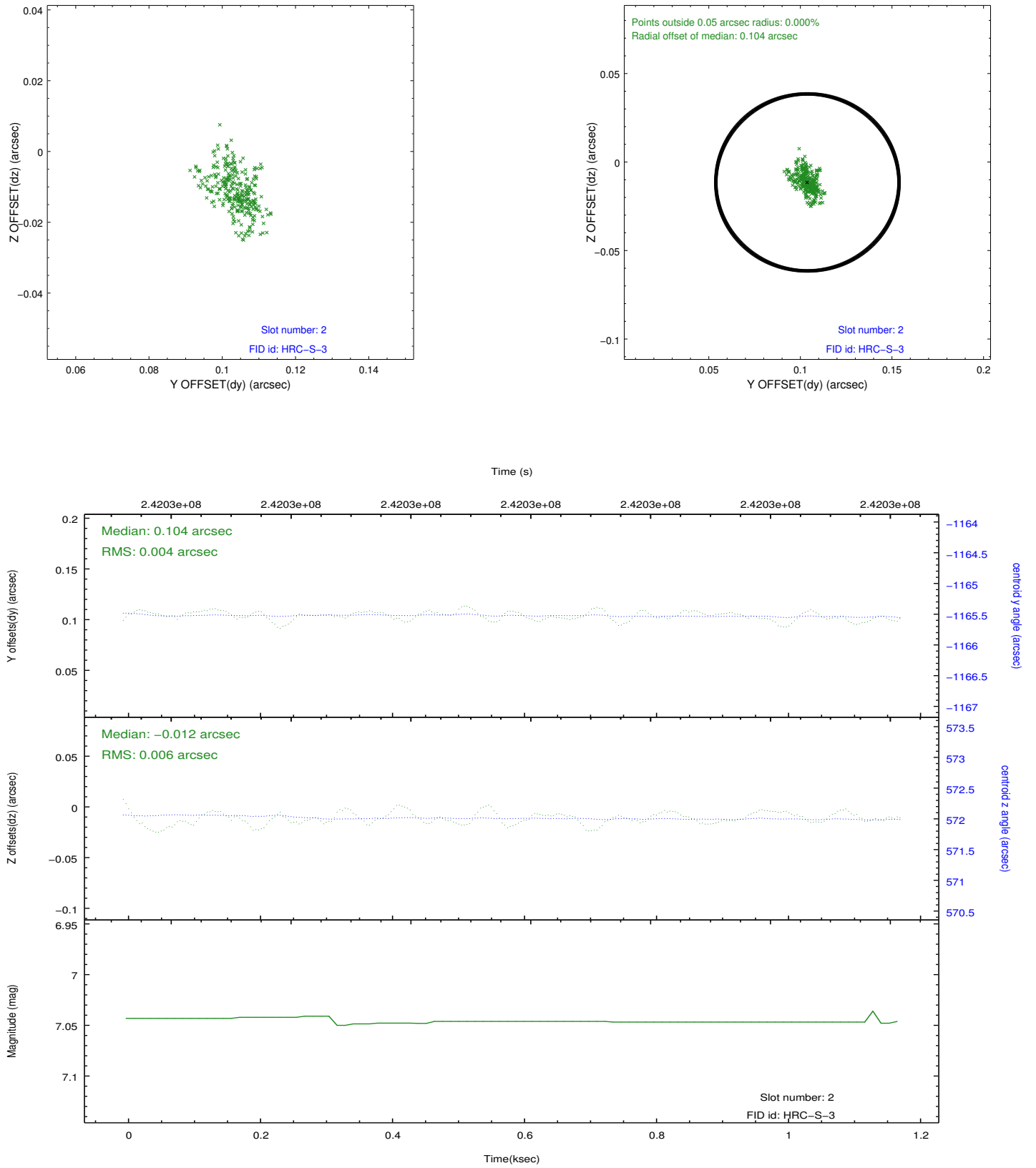
2.5.1 Slot 0



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)	2013.01.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.151075

A.2 Comments