

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2660 - L2 Version 3
Chandra X-Ray Center

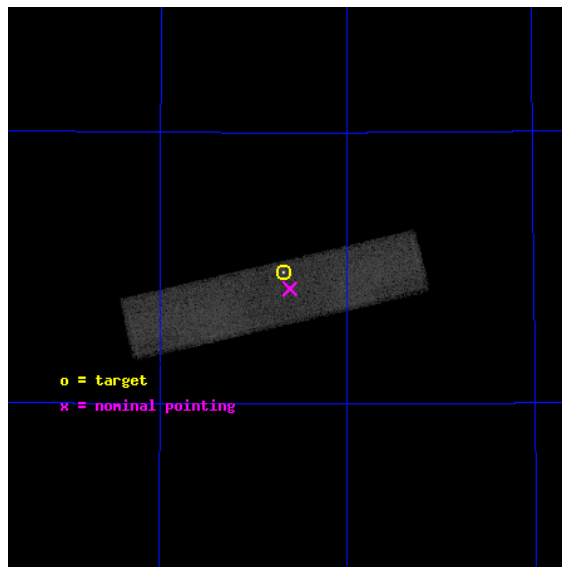
L2 Processing Date : Oct 13 2012

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

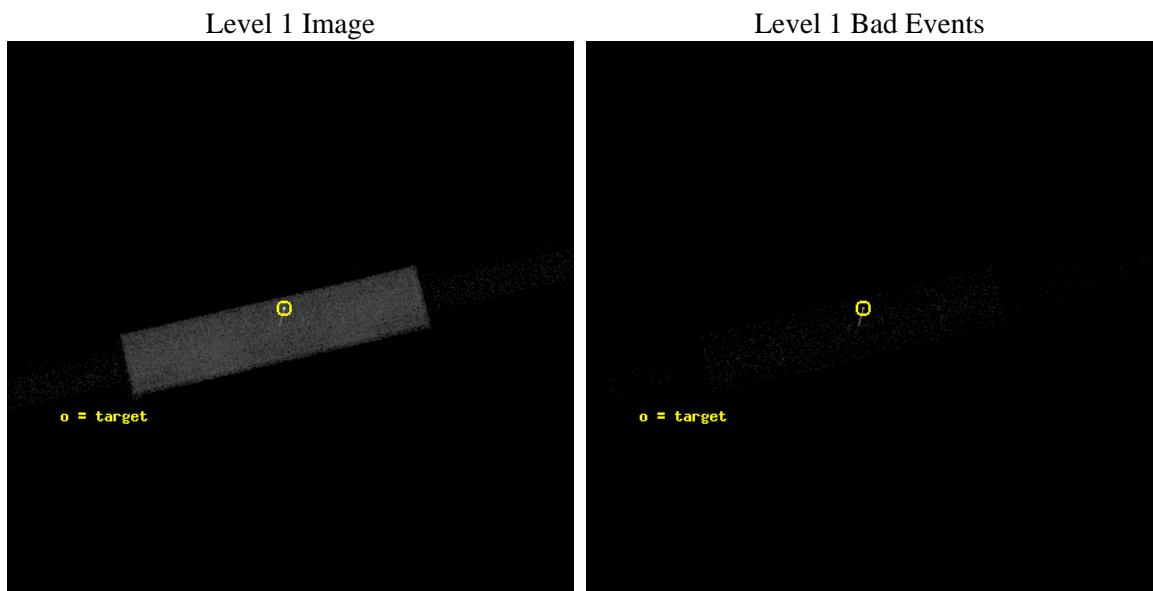
seq_num	290216	Sequence number
obs_id	2660	Observation id
title	AO3B HRC-S CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC	Proposal ti
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.15307304723	Nominal RA [deg]
dec_nom	45.711916345996	Nominal Dec [deg]
roll_nom	166.86656180191	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1142.1062970459	[s]
livetime	1131.7337699437	Ontime multiplied by DTCOR
l2events	81562	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	1142.1062970459	[s]
caldsver	4.5.2	 	l1events	116333	Number of level 1 events
date	2012-10-14T00:25:52	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

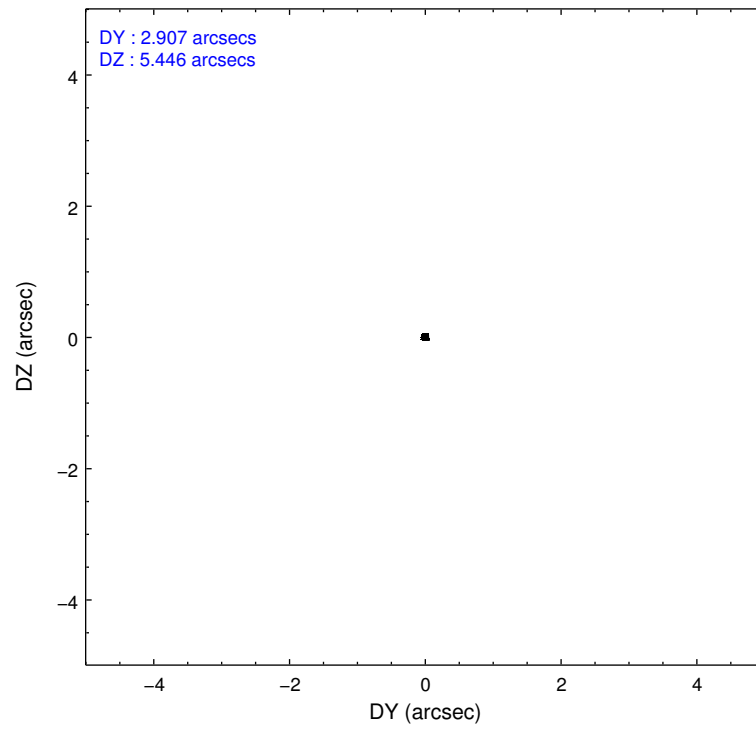
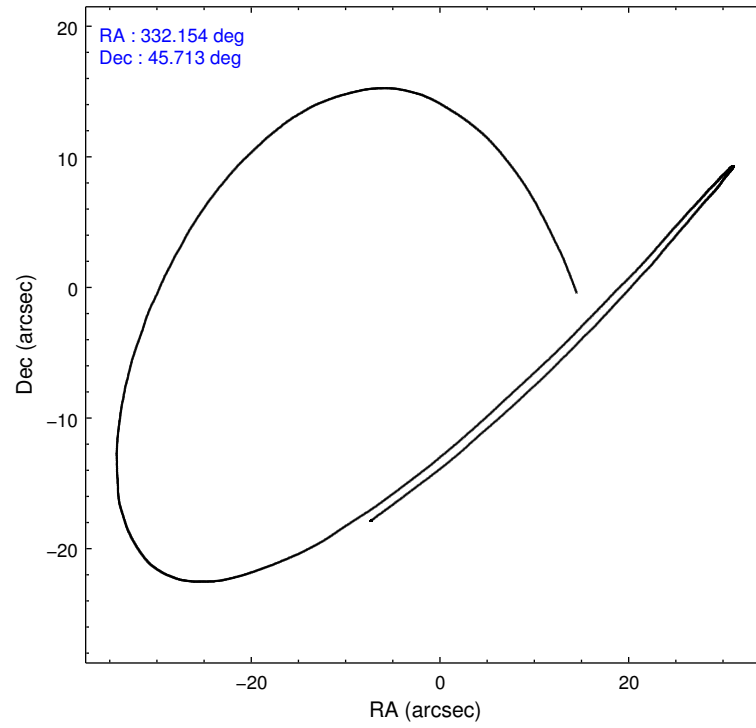
Level 1 Events

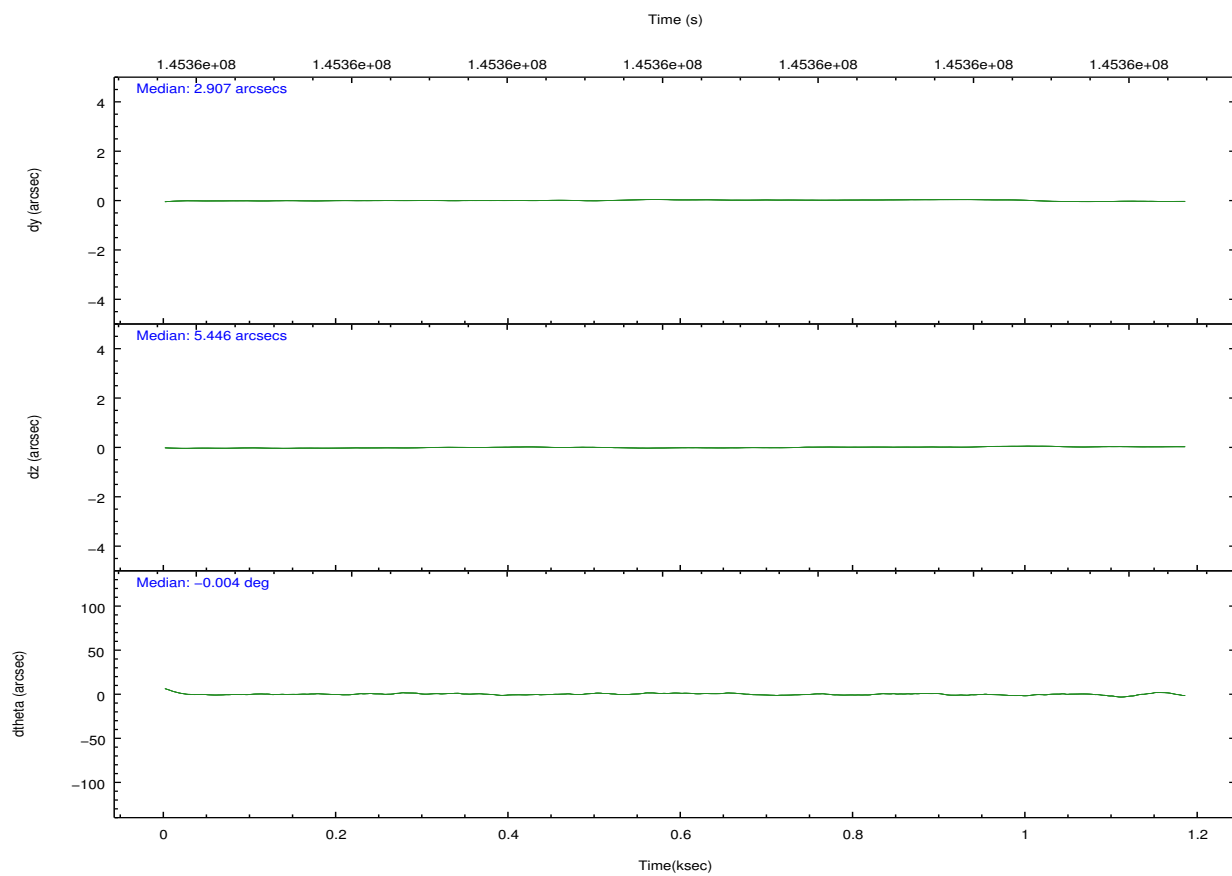
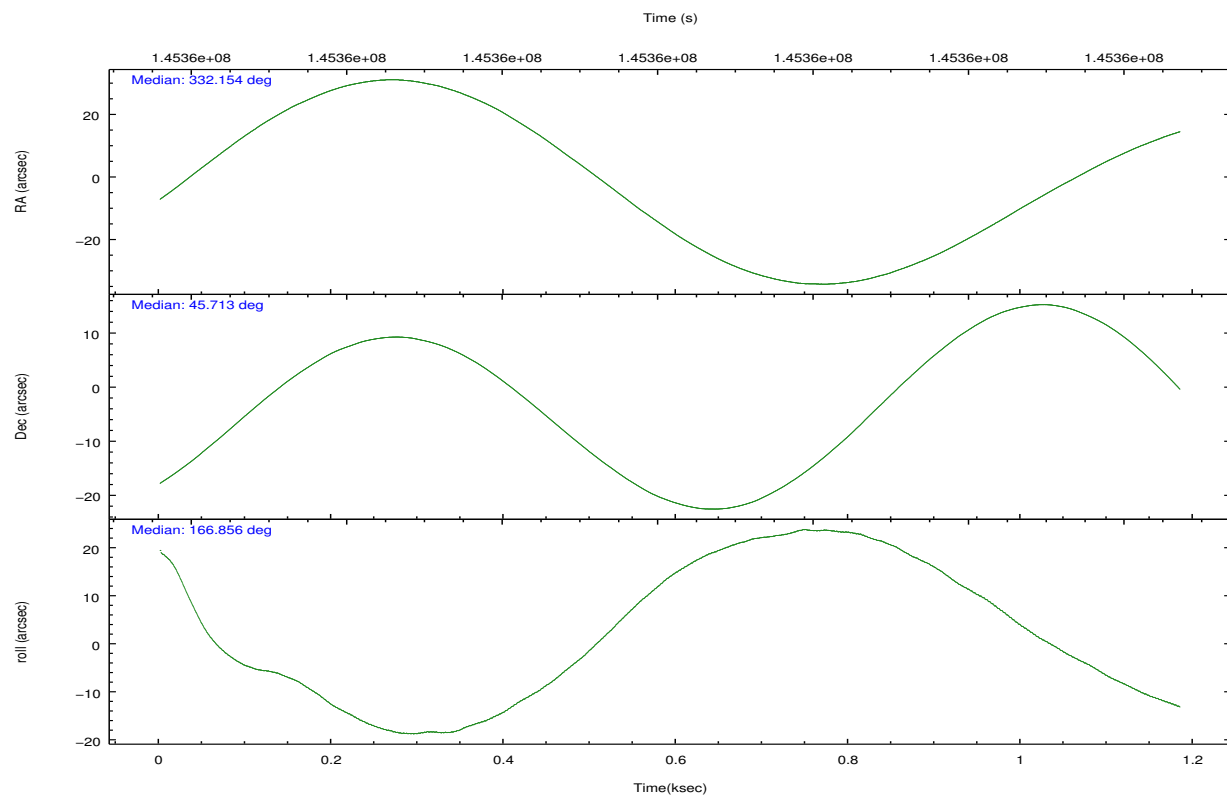
	segment 1	segment 2	segment 3
level 1 events	1796	112884	1653
rejected events	1796	21718	1653
rejected %	100%	19%	100%

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	332.191170	332.1530730472302			
[deg] Pointing Dec	45.720685	45.71191634599595			
[deg] Pointing Roll	166.771876	166.8665618019105			
[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)	145360410.184000	145360034.35244			
Observation start date	2002-08-10T09:52:26	2002-08-10T09:47:14			
[s] Observation end time (MET)	145361410.184000	145361544.69			
Observation end date	2002-08-10T10:09:06	2002-08-10T10:12:24			

2.3 Aspect



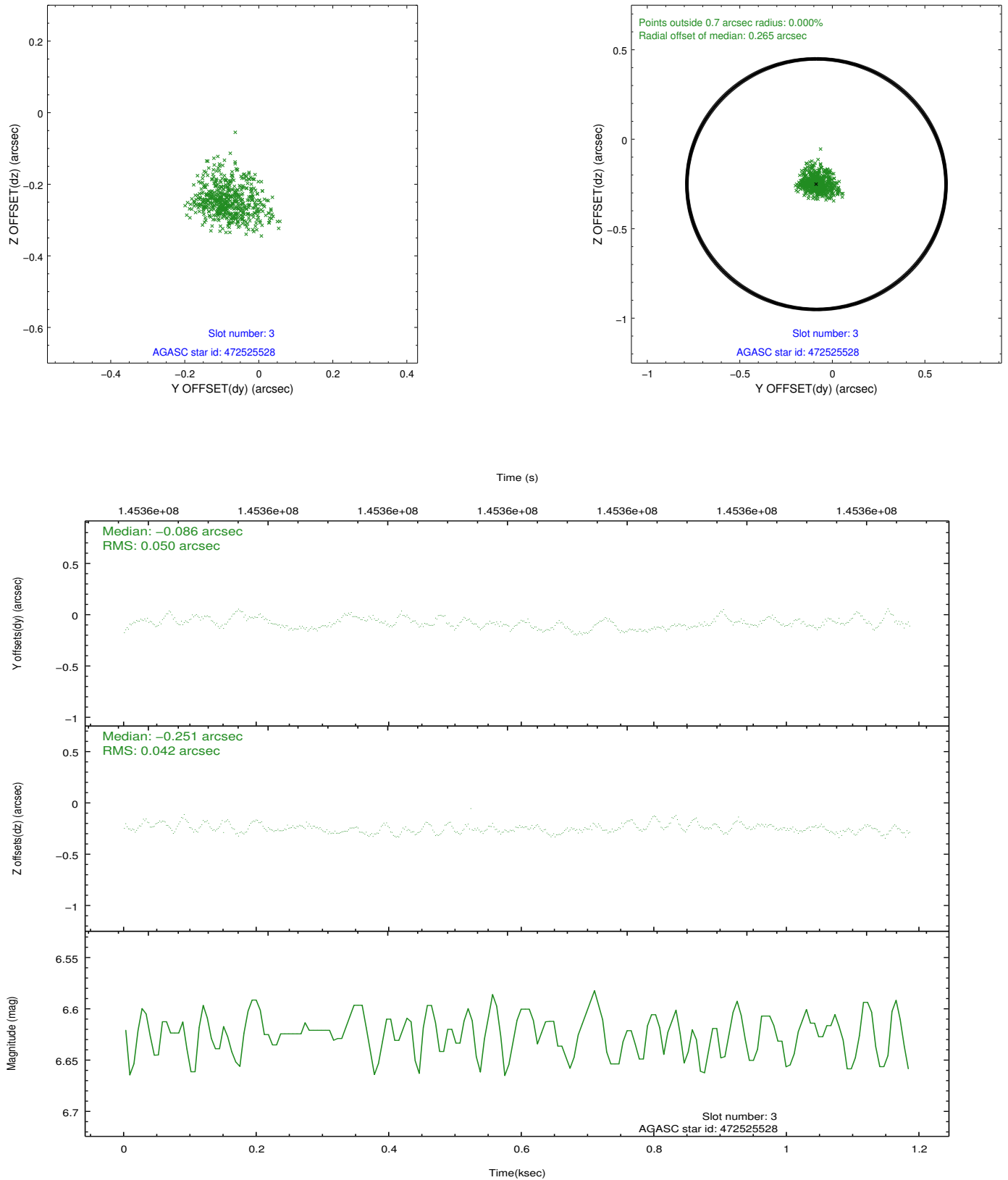


Slot Statistics

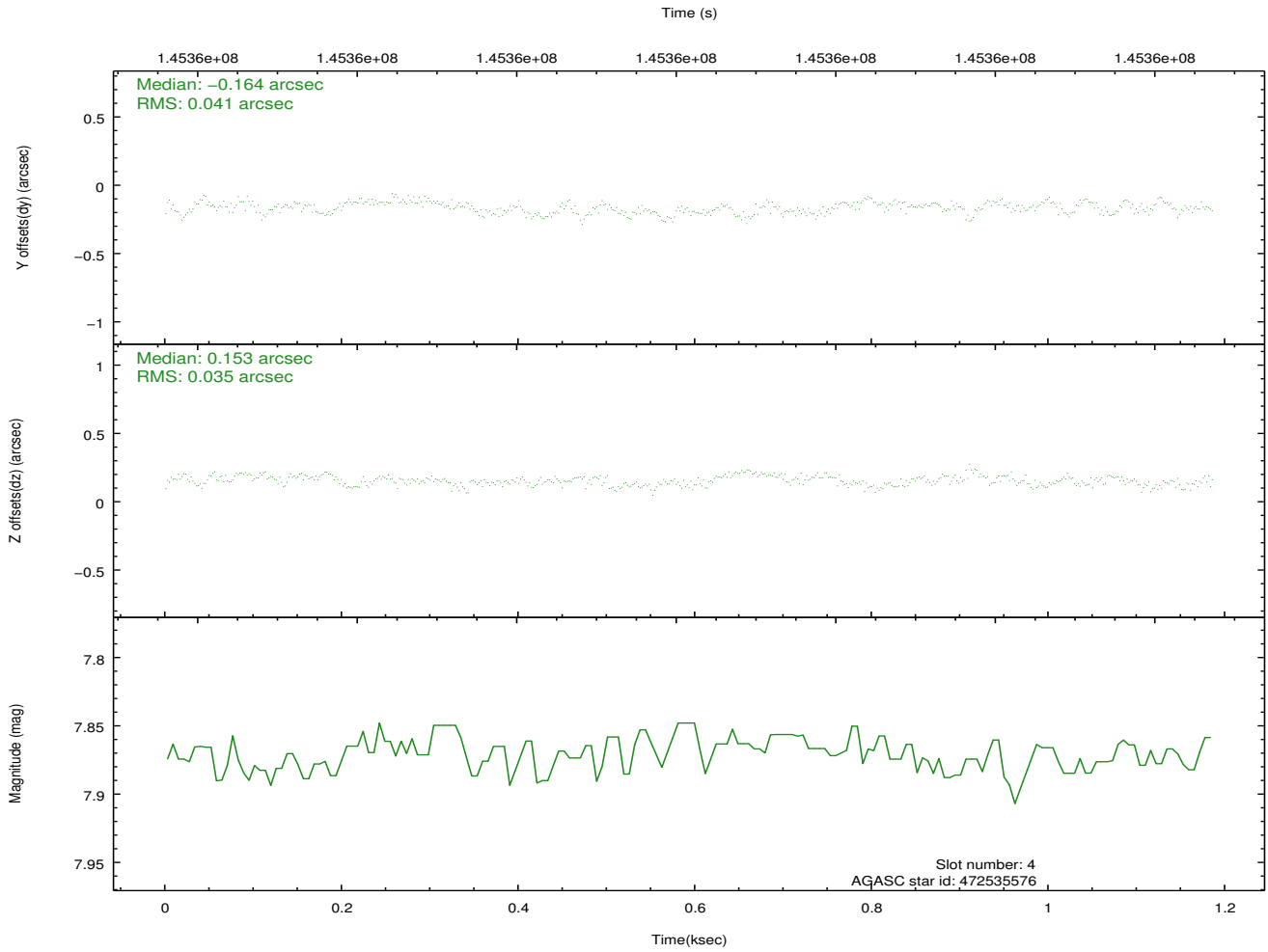
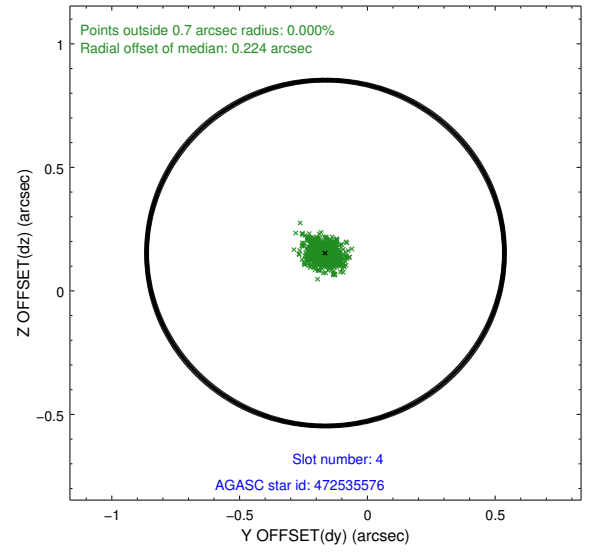
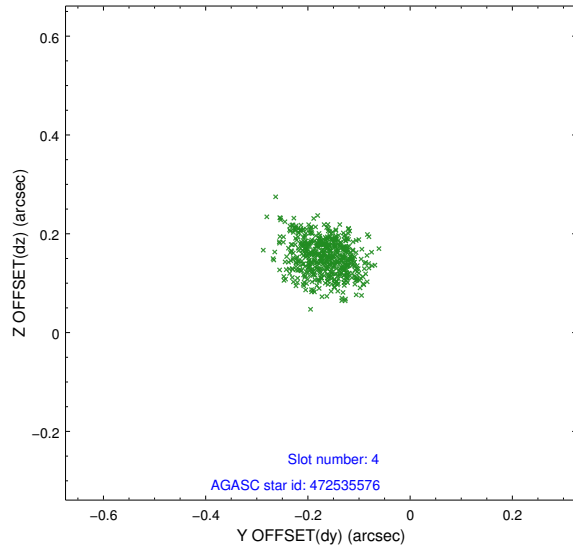
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	289	0.151	-0.113	0.005	0.008	0.000000	0.000000	-1156.93	-453.96
1	FID	HRC-S-2	6.99	289	0.093	-0.102	0.008	0.015	0.000000	0.000000	1238.69	-448.12
2	FID	HRC-S-4	6.94	289	0.159	-0.089	0.007	0.014	0.000000	0.000000	1245.61	576.64
3	GUIDE	472525528	6.62	579	-0.086	-0.251	0.072	0.111	331.551102	45.248694	1193.35	2022.46
4	GUIDE	472535576	7.87	579	-0.164	0.153	0.057	0.093	331.438373	46.291802	2299.46	-1574.12
5	GUIDE	472536328	8.15	578	-0.067	0.114	0.073	0.125	331.496671	46.454831	2289.41	-2184.82
6	GUIDE	472665256	9.01	579	0.187	0.238	0.072	0.115	332.808125	46.195041	-1098.24	-2020.20
7	GUIDE	472654568	9.45	578	0.141	-0.252	0.095	0.147	332.194449	45.063576	-549.77	2300.58

2.4 Star Slots

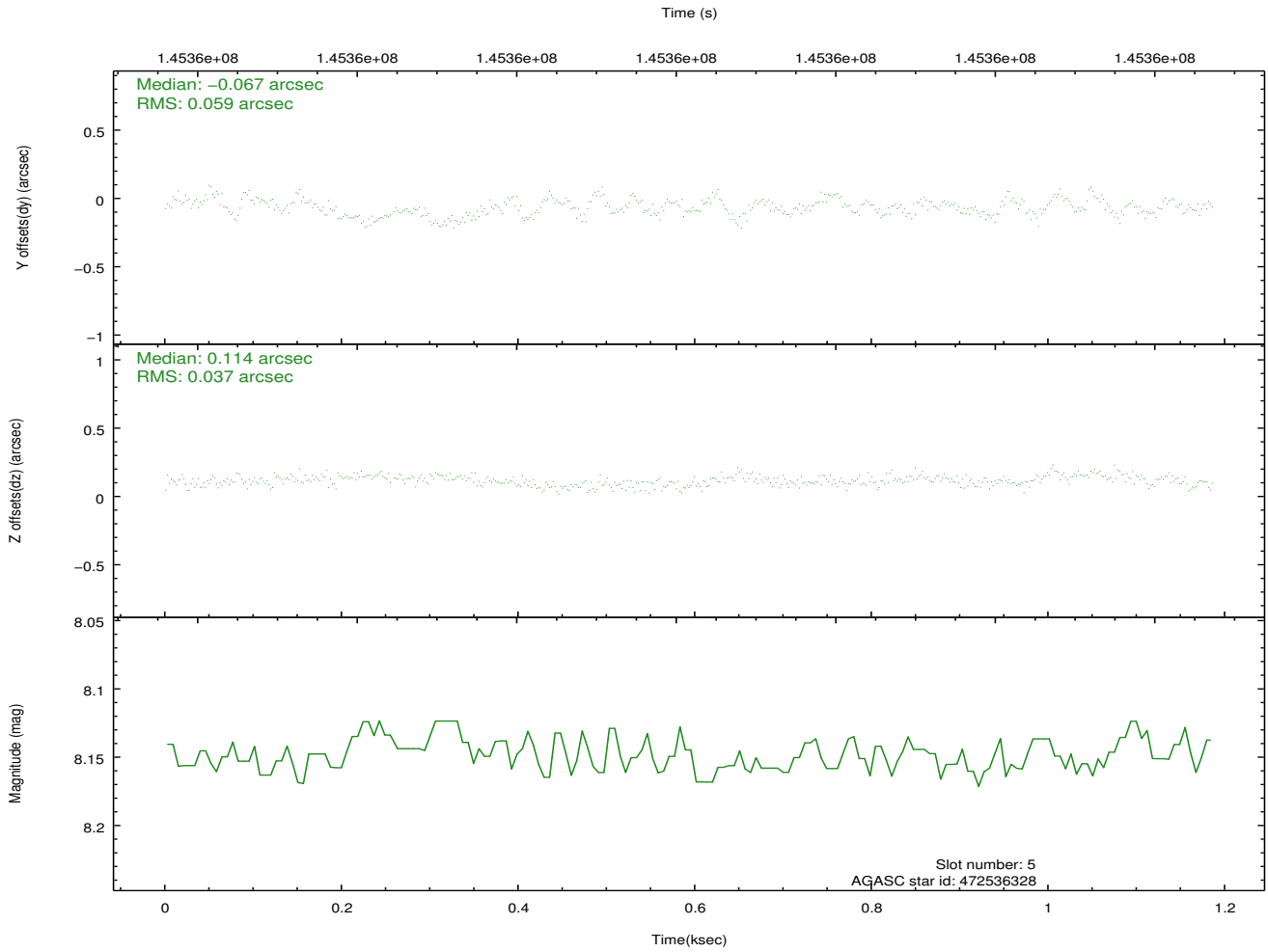
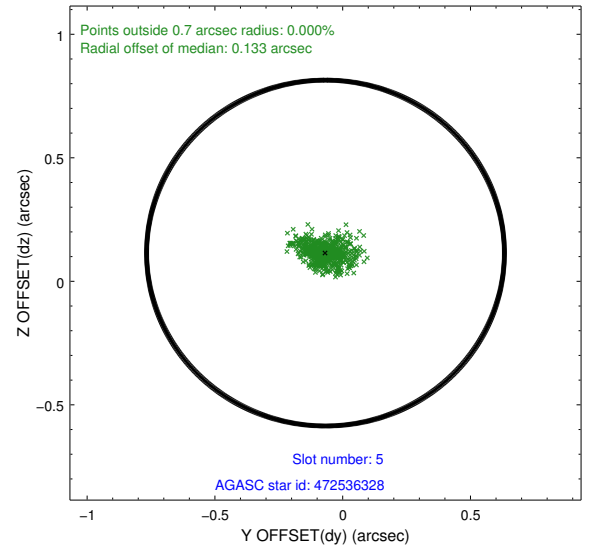
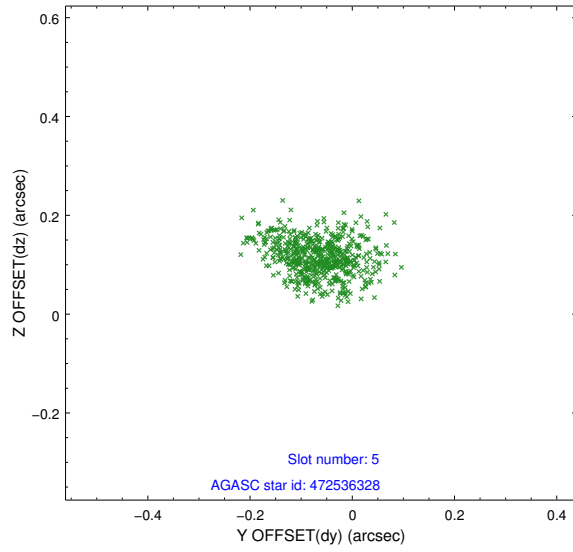
2.4.1 Slot 3



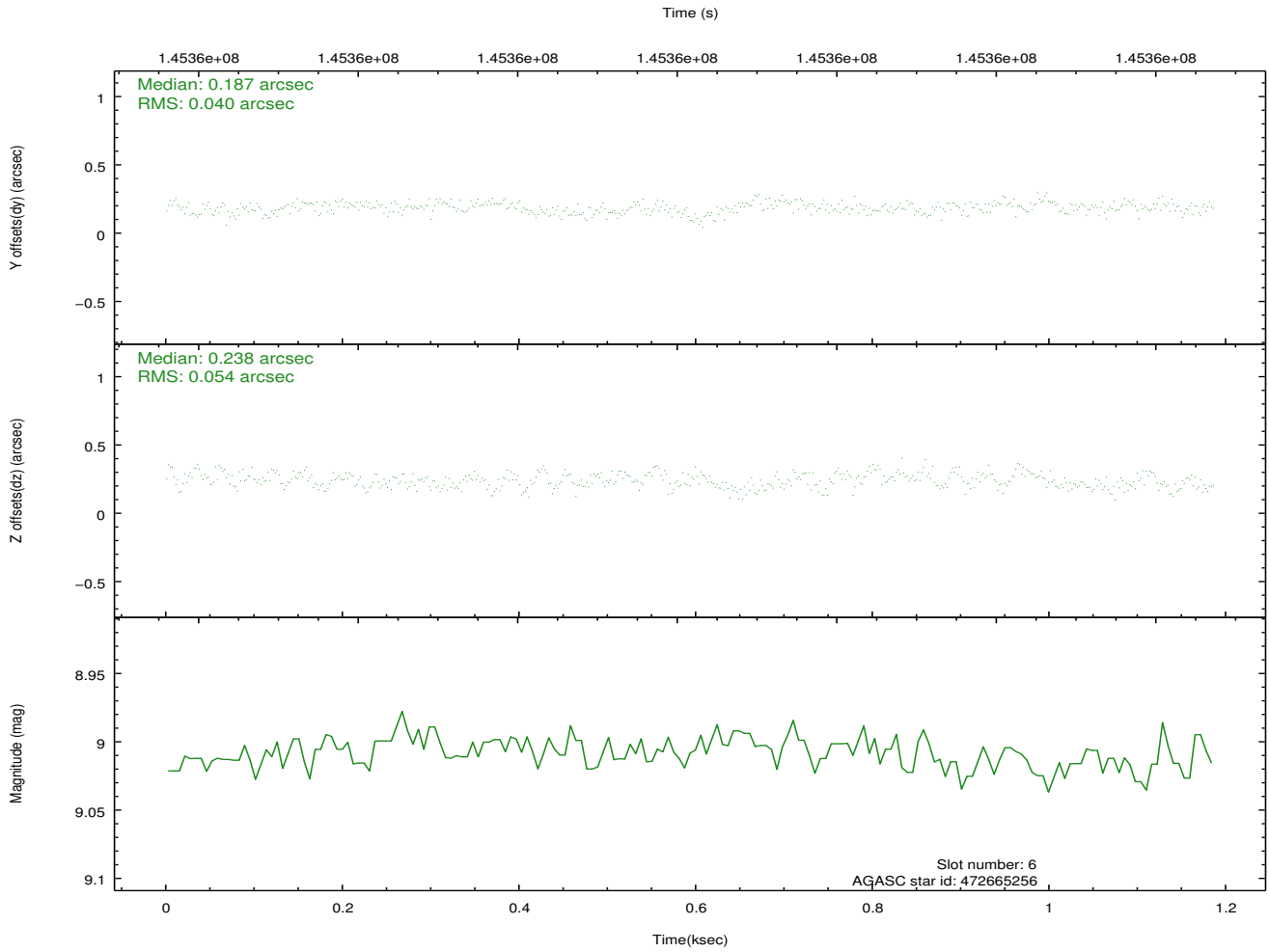
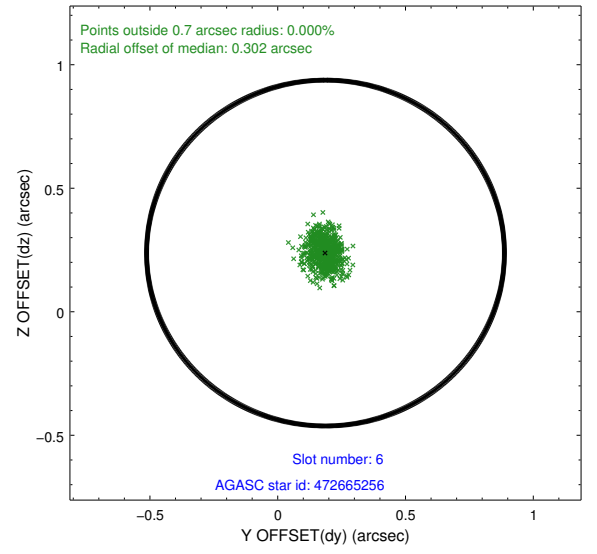
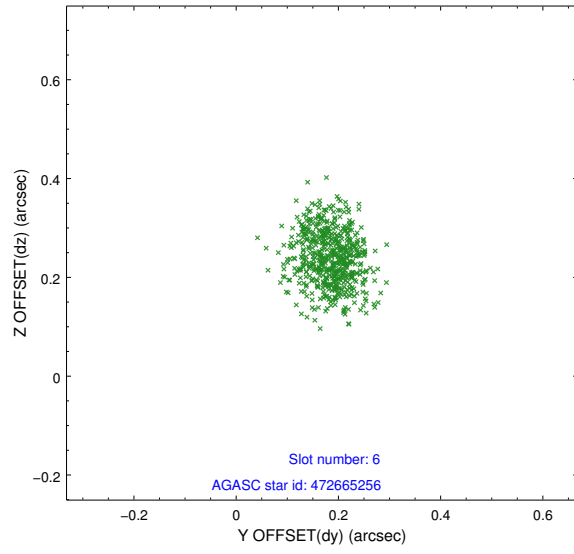
2.4.2 Slot 4



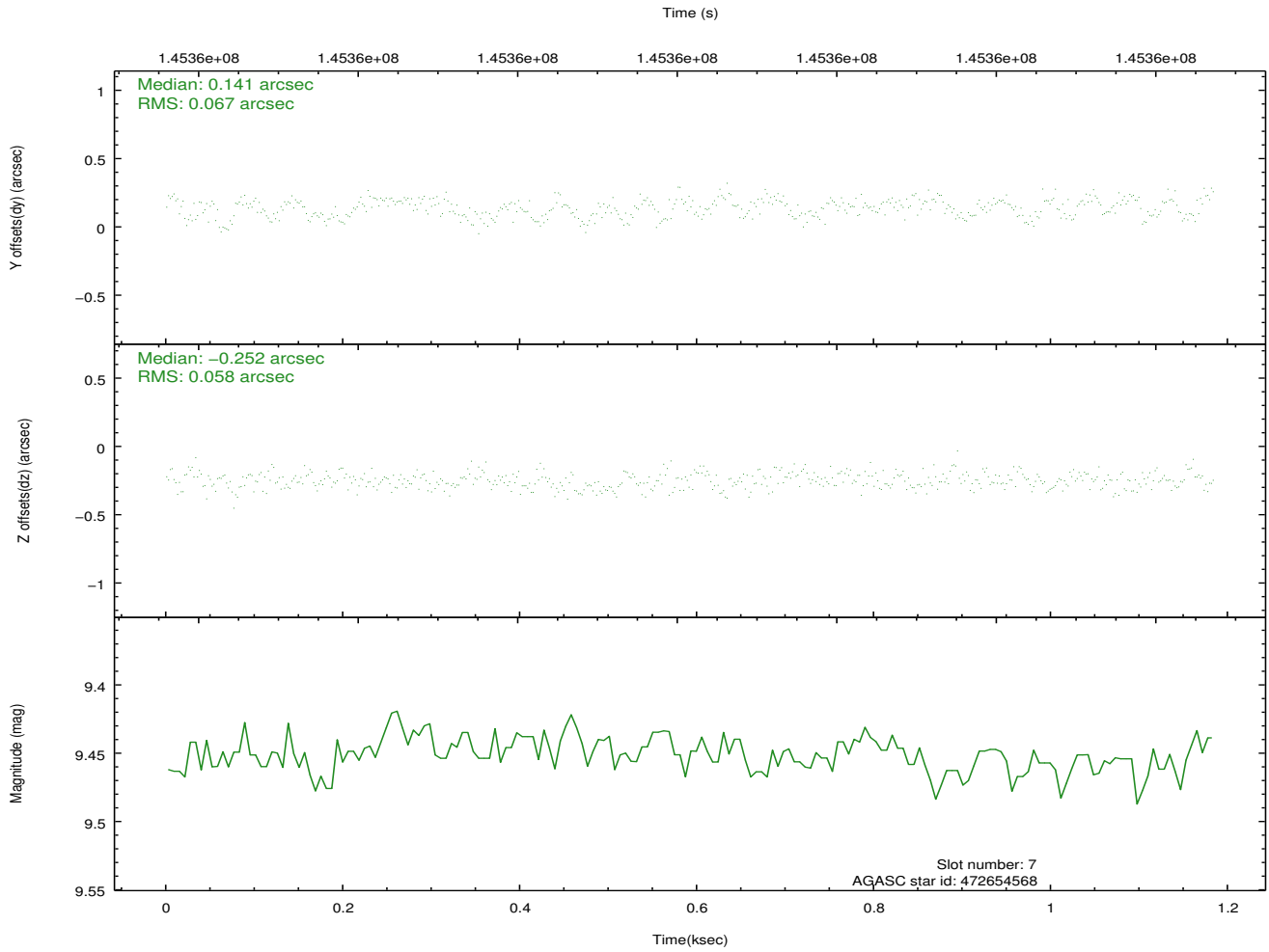
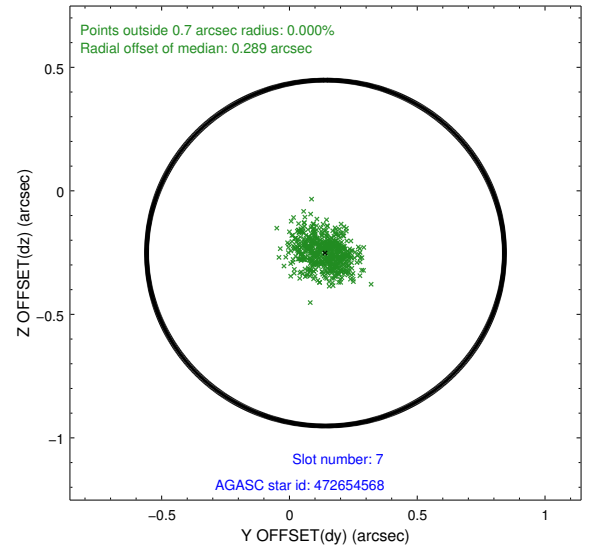
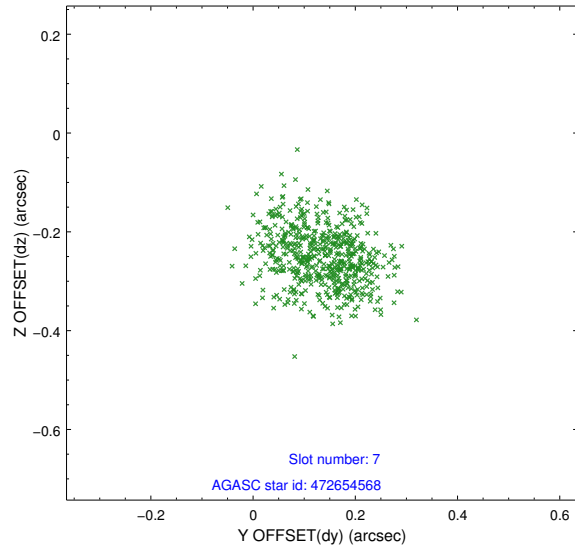
2.4.3 Slot 5



2.4.4 Slot 6

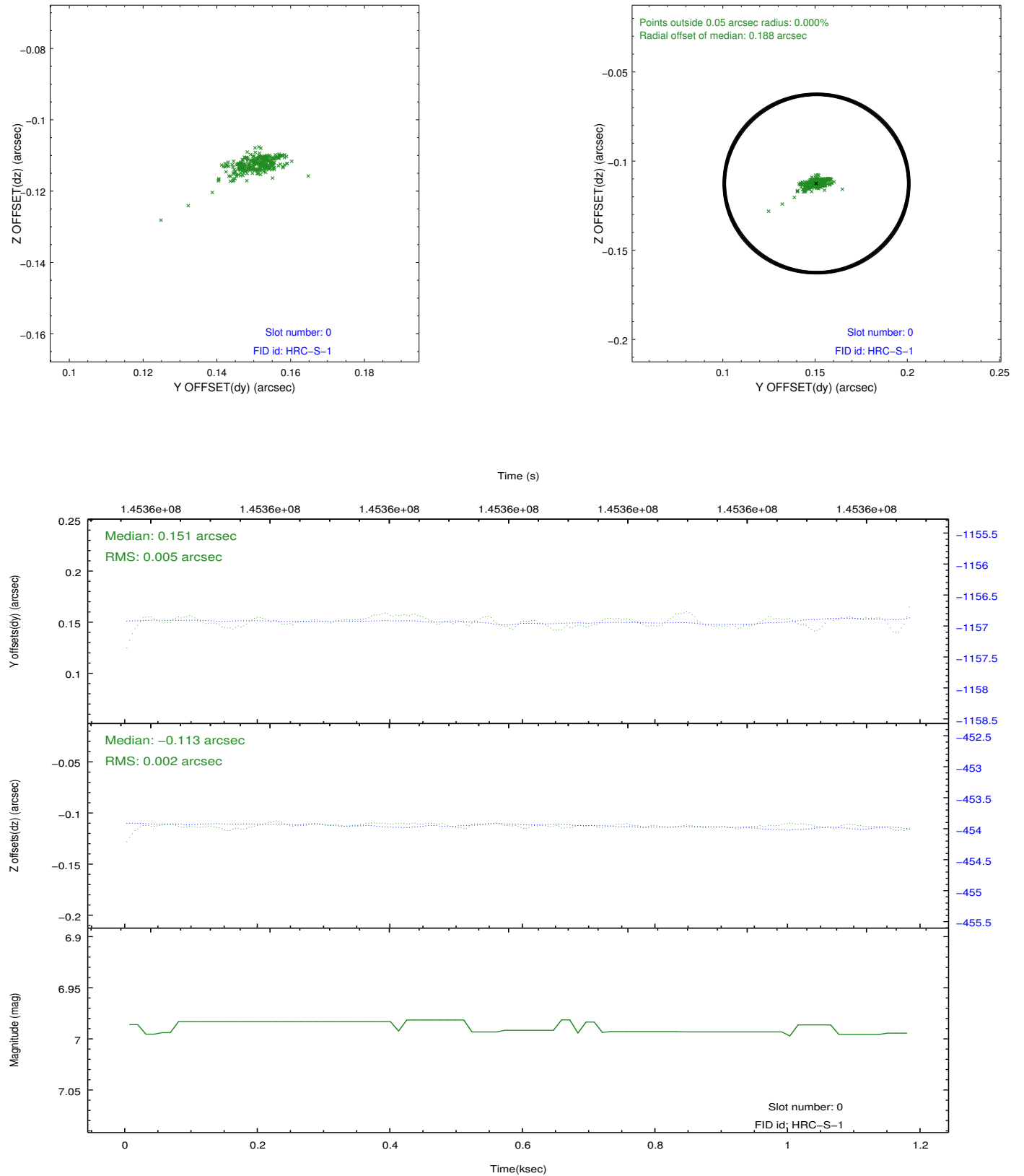


2.4.5 Slot 7

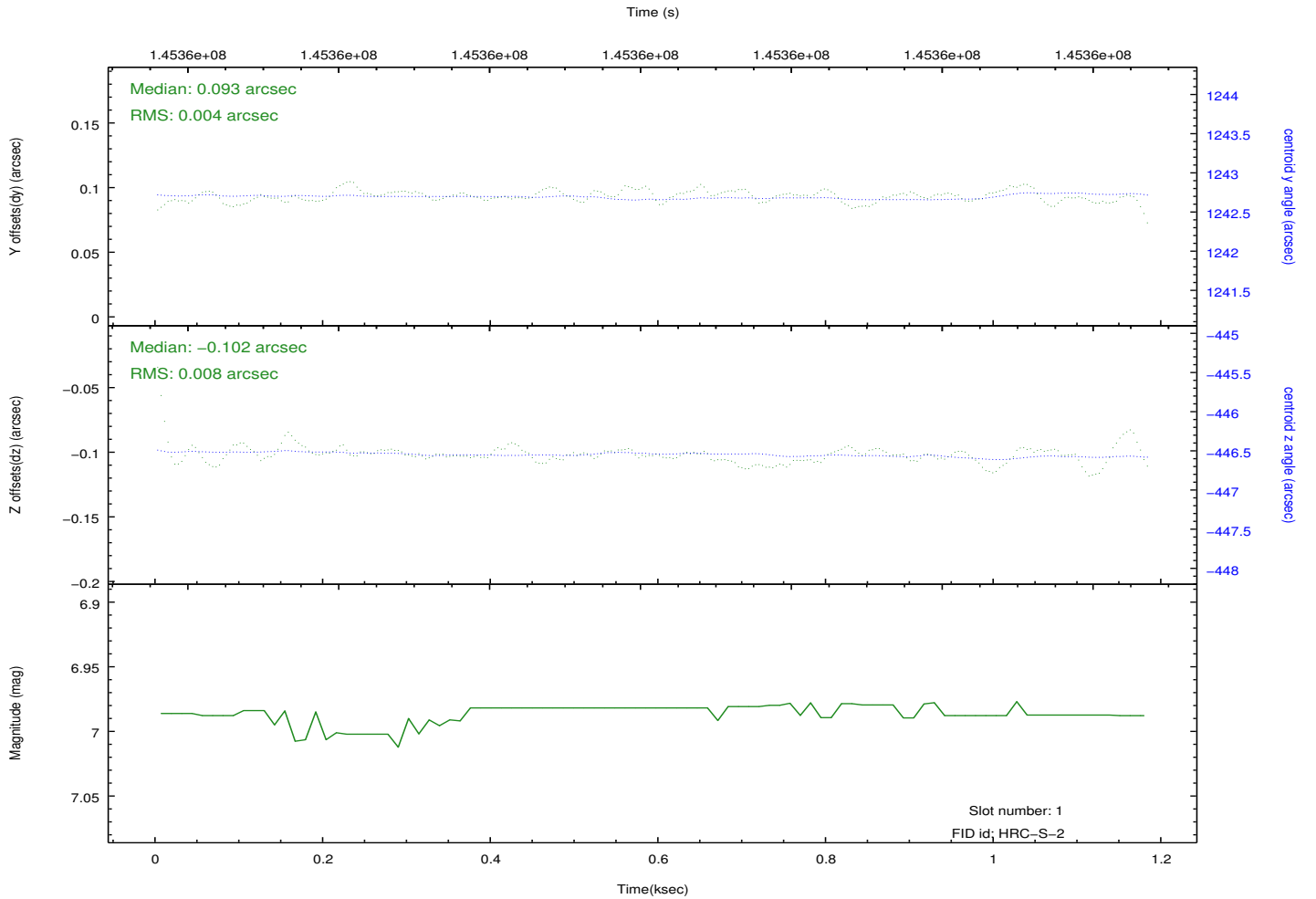
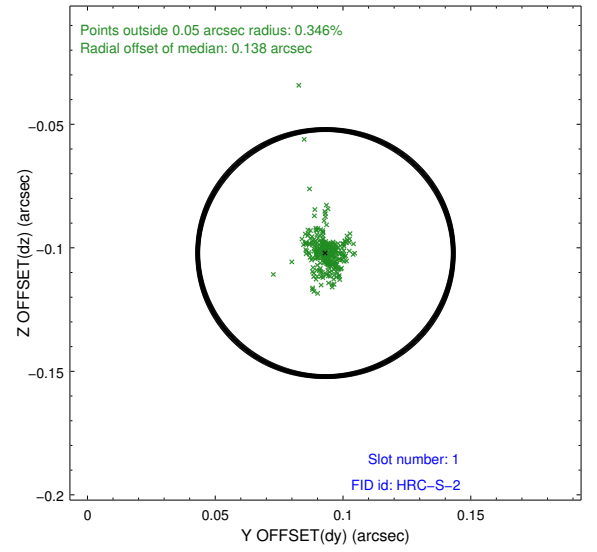
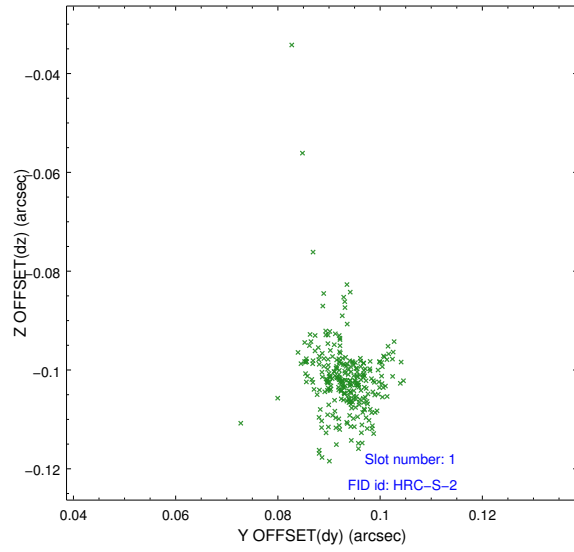


2.5 FID Slots

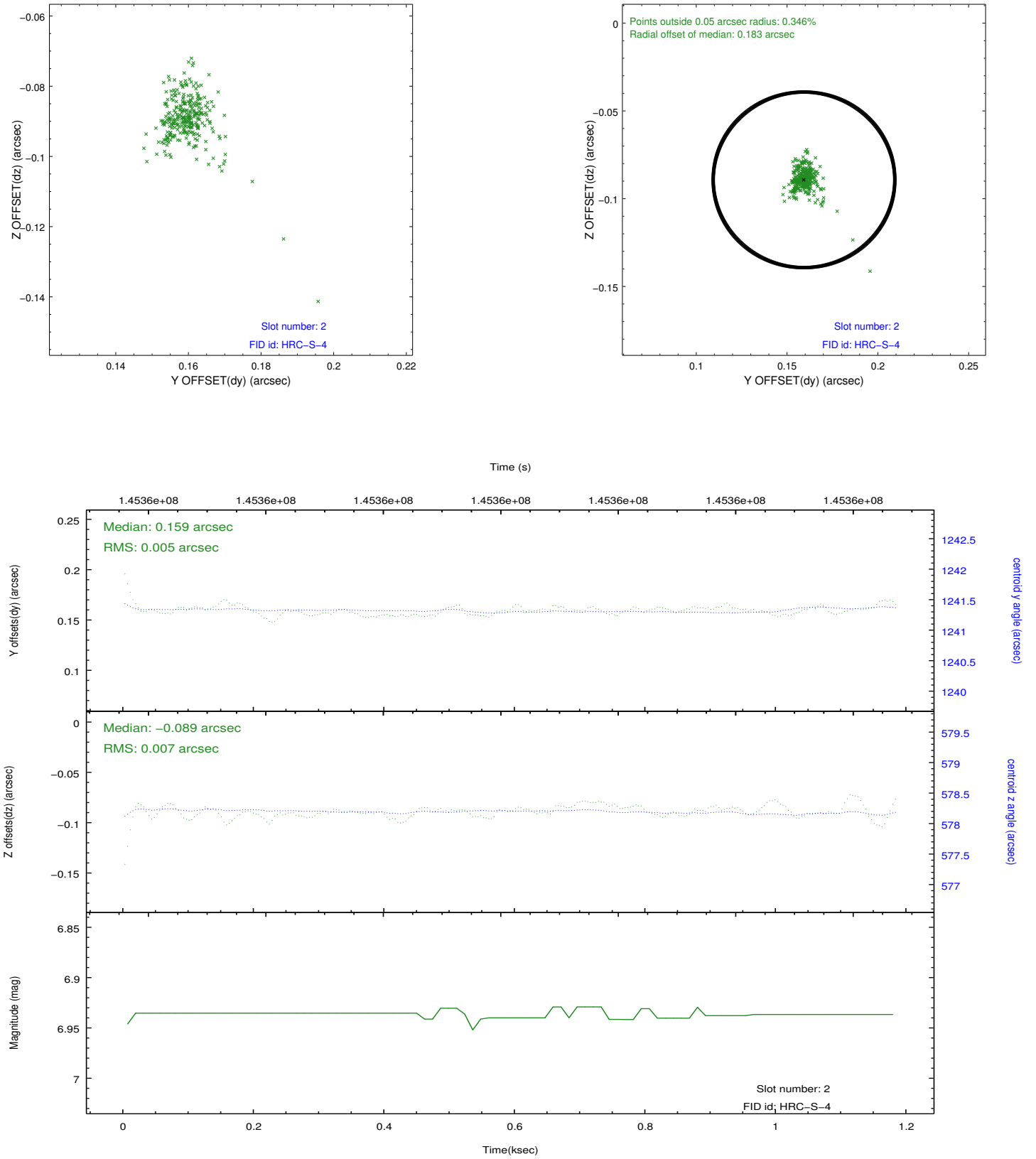
2.5.1 Slot 0



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)	2012.10.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.177

A.2 Comments

Charge time for this ObsId remains at previous value of 1.177 ks although with the current processing it would have been 1.14 ksec Monitor constraint met.