

V&V Reference Report

L2 ASCDS Version : 8.5.1.1

Observation 6010 - L2 Version 3
Chandra X-Ray Center

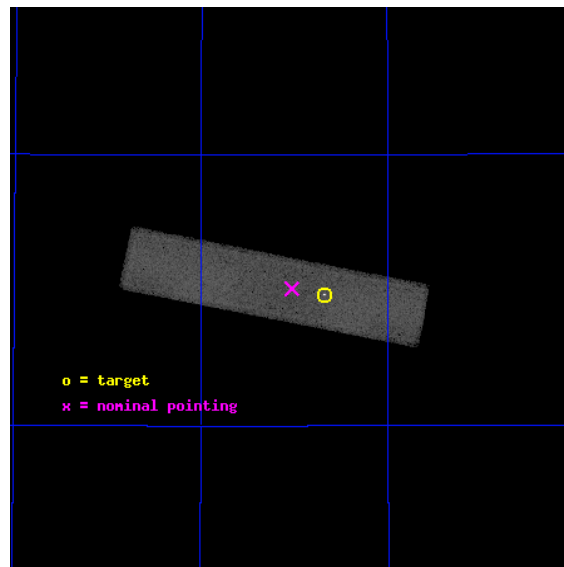
L2 Processing Date : Mar 19 2013

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

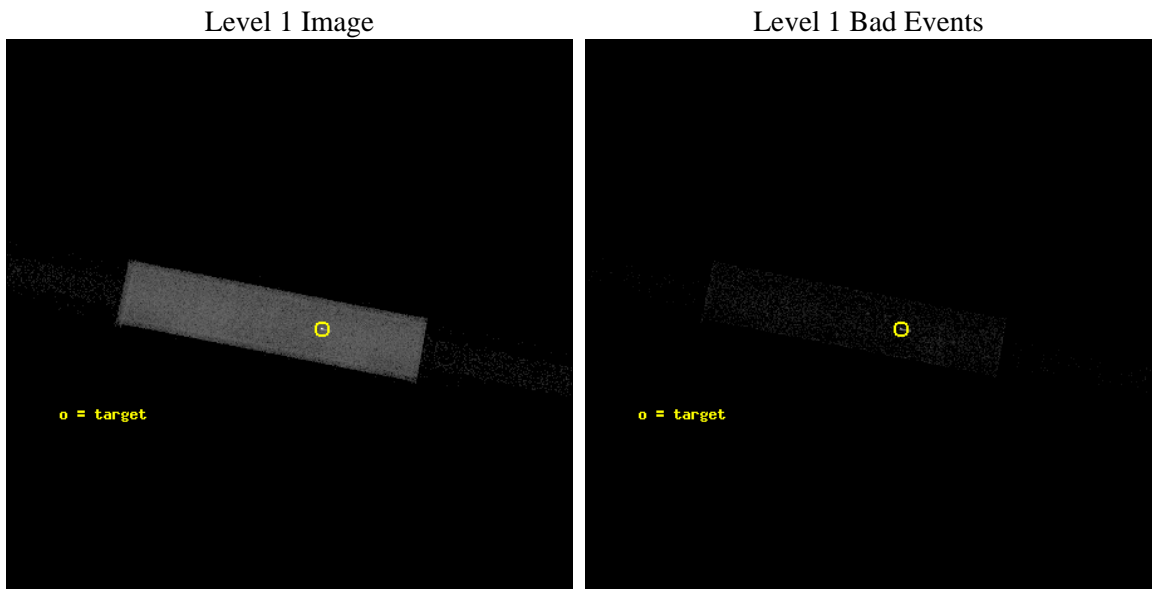
seq_num	290502	Sequence number
obs_id	6010	Observation id
title	AO6B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.25680686542	Nominal RA [deg]
dec_nom	45.753282212729	Nominal Dec [deg]
roll_nom	190.96387686645	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1155.4313030541	[s]
livetime	1143.4955734419	Ontime multiplied by DTCOR
l2events	89190	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	1155.4313030541	[s]
caldsver	4.5.5	 	l1events	137279	Number of level 1 events
date	2012-12-28T18:50:05	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

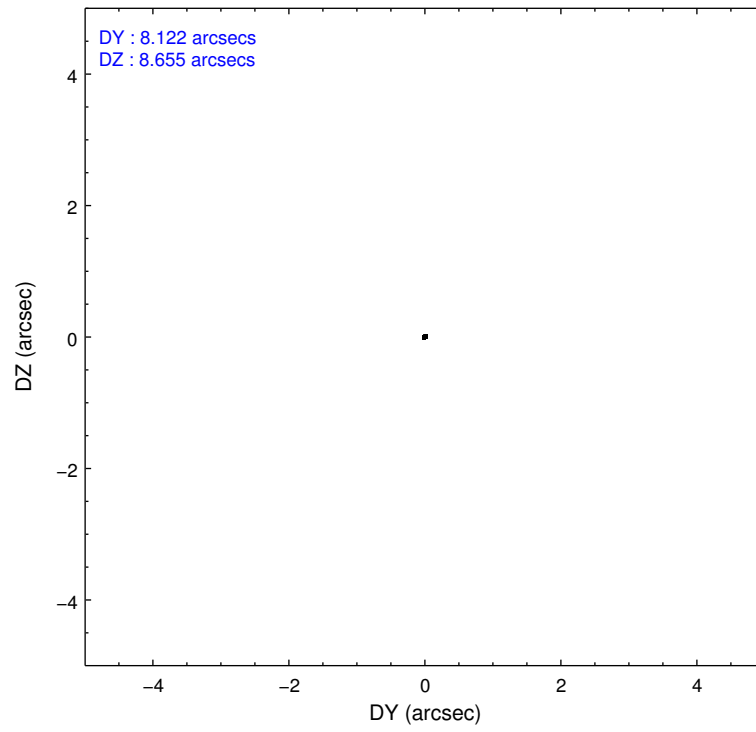
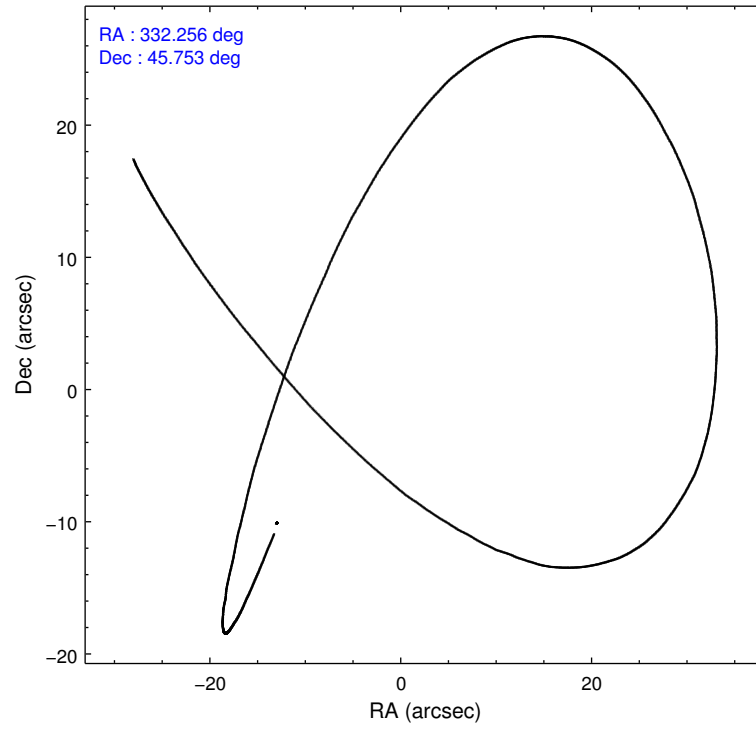
Level 1 Events

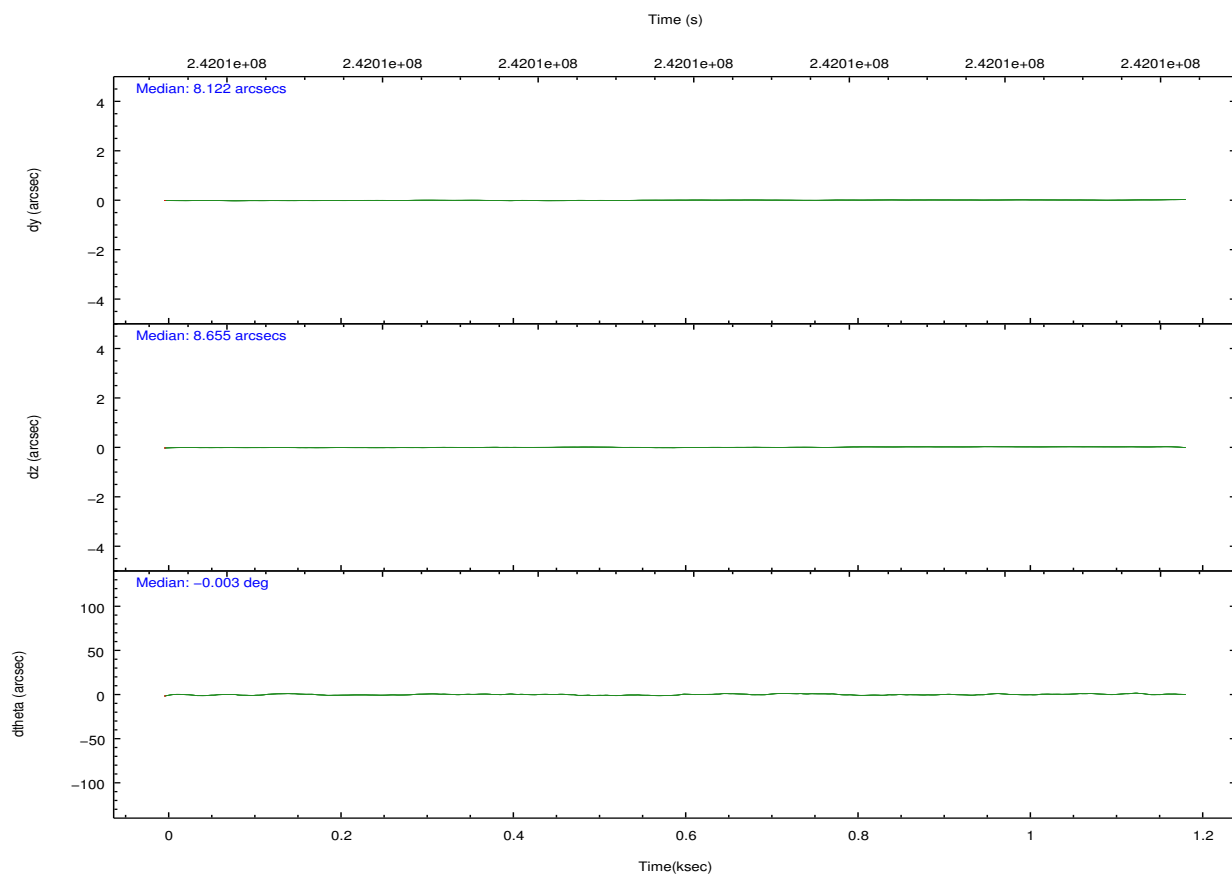
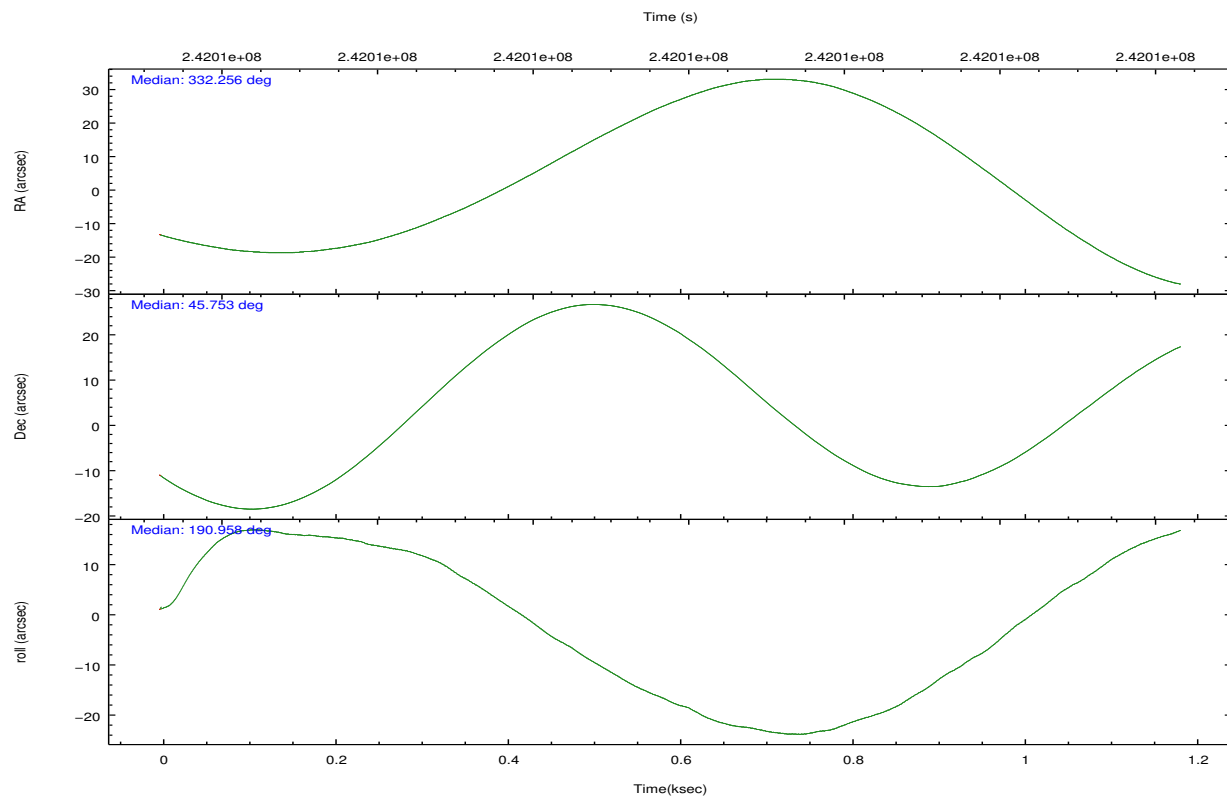
	segment 1	segment 2	segment 3
level 1 events	1335	134683	1261
rejected events	1335	32881	1261
rejected %	100%	24%	100%

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	332.286783	332.2568068654219			
[deg] Pointing Dec	45.773971	45.75328221272873			
[deg] Pointing Roll	190.875121	190.9638768664461			
[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)	242013364.184000	242012988.08413			
Observation start date	2005-09-02T01:55:00	2005-09-02T01:49:48			
[s] Observation end time (MET)	242014364.184000	242014498.9342			
Observation end date	2005-09-02T02:11:40	2005-09-02T02:14:58			

2.3 Aspect



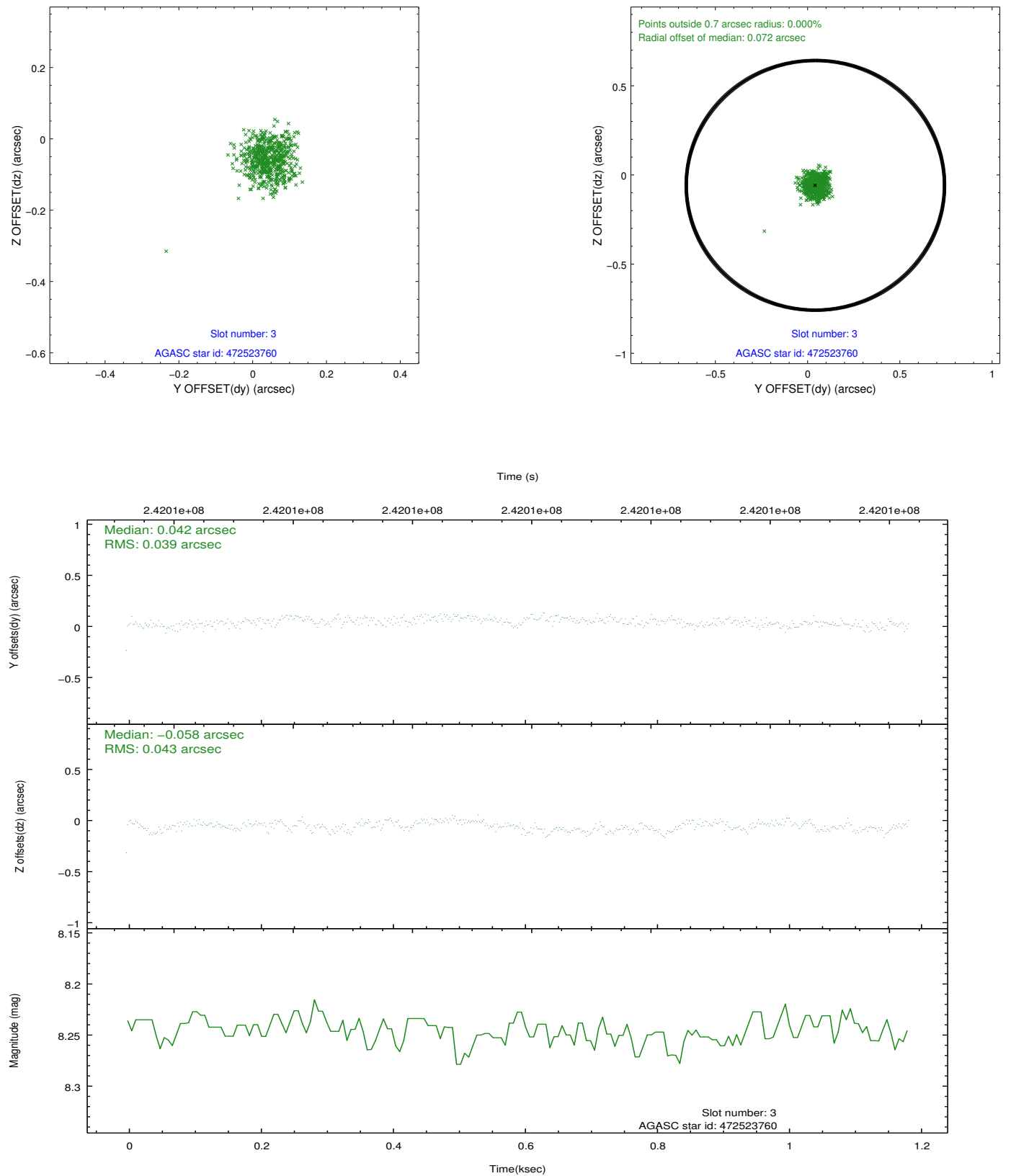


Slot Statistics

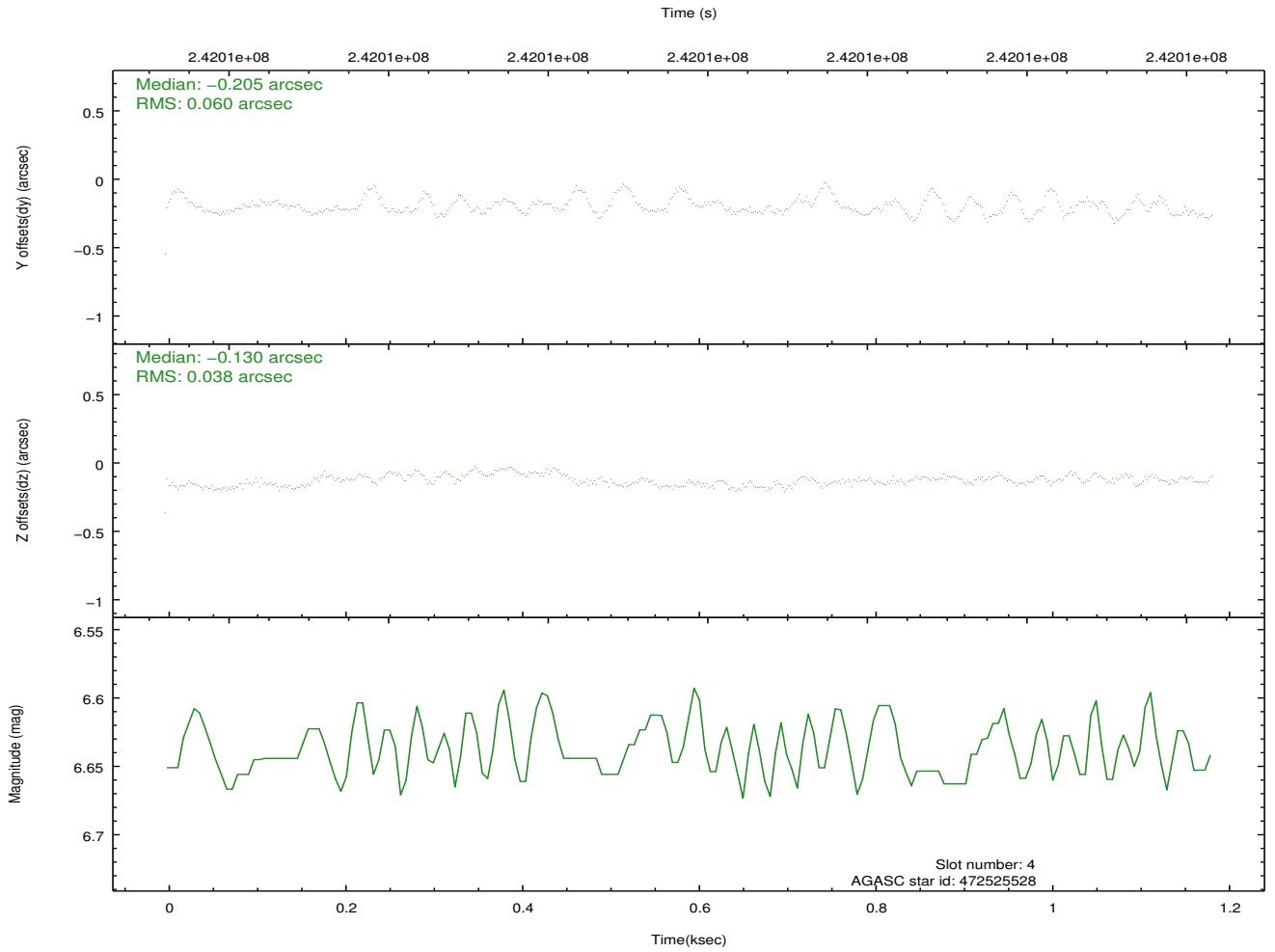
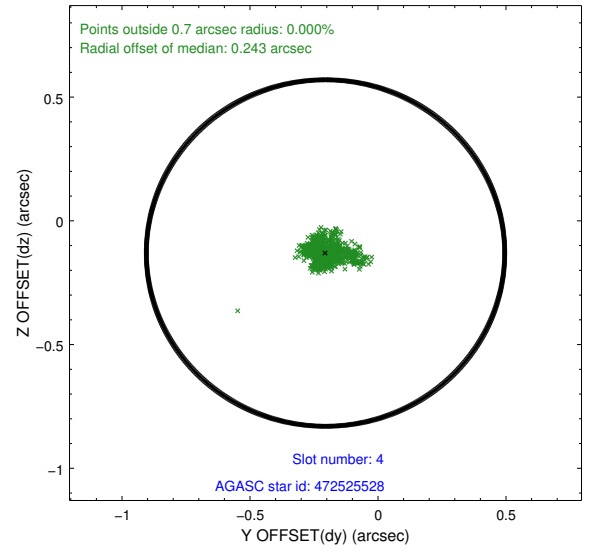
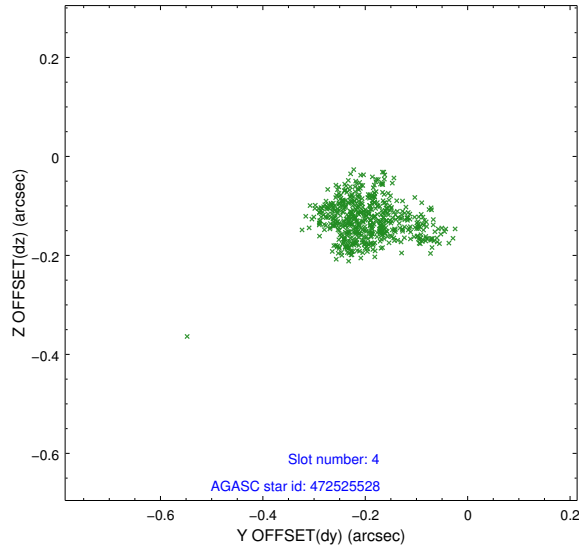
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.04	290	0.155	-0.155	0.008	0.013	0.000000	0.000000	-1162.28	-457.30
1	FID	HRC-S-2	7.03	290	0.137	-0.114	0.005	0.008	0.000000	0.000000	1233.38	-451.48
2	FID	HRC-S-3	7.04	290	0.098	-0.033	0.008	0.012	0.000000	0.000000	-1160.80	570.79
3	GUIDE	472523760	8.25	579	0.042	-0.058	0.061	0.095	331.645363	45.403260	1841.48	995.70
4	GUIDE	472525528	6.64	579	-0.205	-0.130	0.071	0.127	331.551102	45.248694	2187.89	1495.90
5	GUIDE	472533912	9.16	579	0.031	0.027	0.109	0.178	331.791136	46.368695	807.31	-2338.75
6	GUIDE	472535576	7.87	579	-0.128	0.091	0.066	0.110	331.438373	46.291802	1719.04	-2246.56
7	GUIDE	472665256	9.00	578	0.246	0.075	0.077	0.120	332.808125	46.195041	-1560.49	-1254.54

2.4 Star Slots

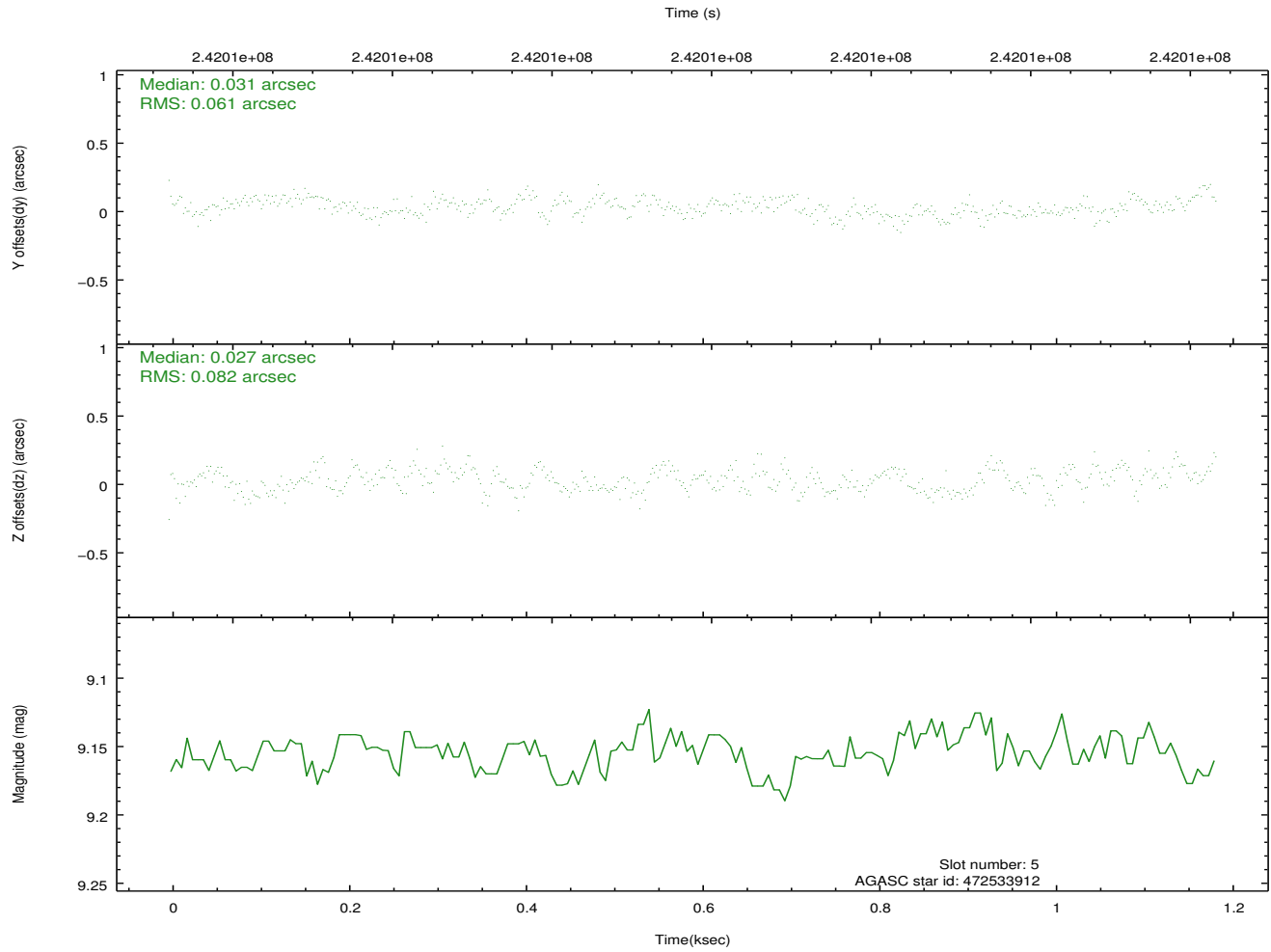
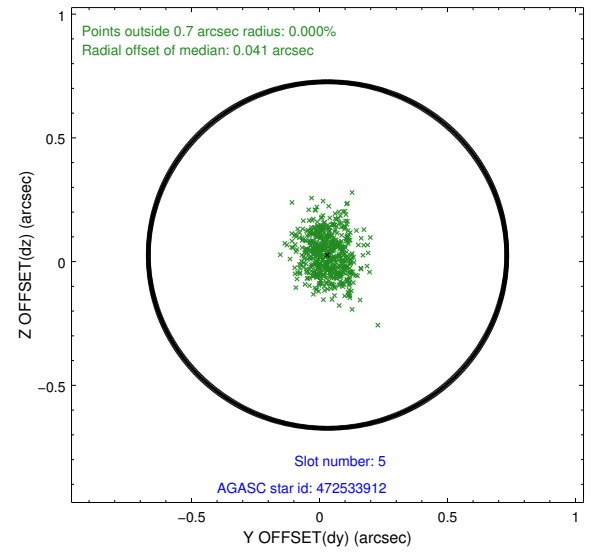
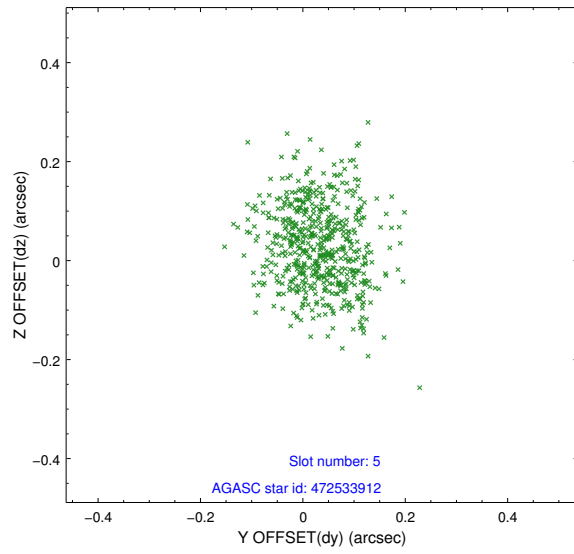
2.4.1 Slot 3



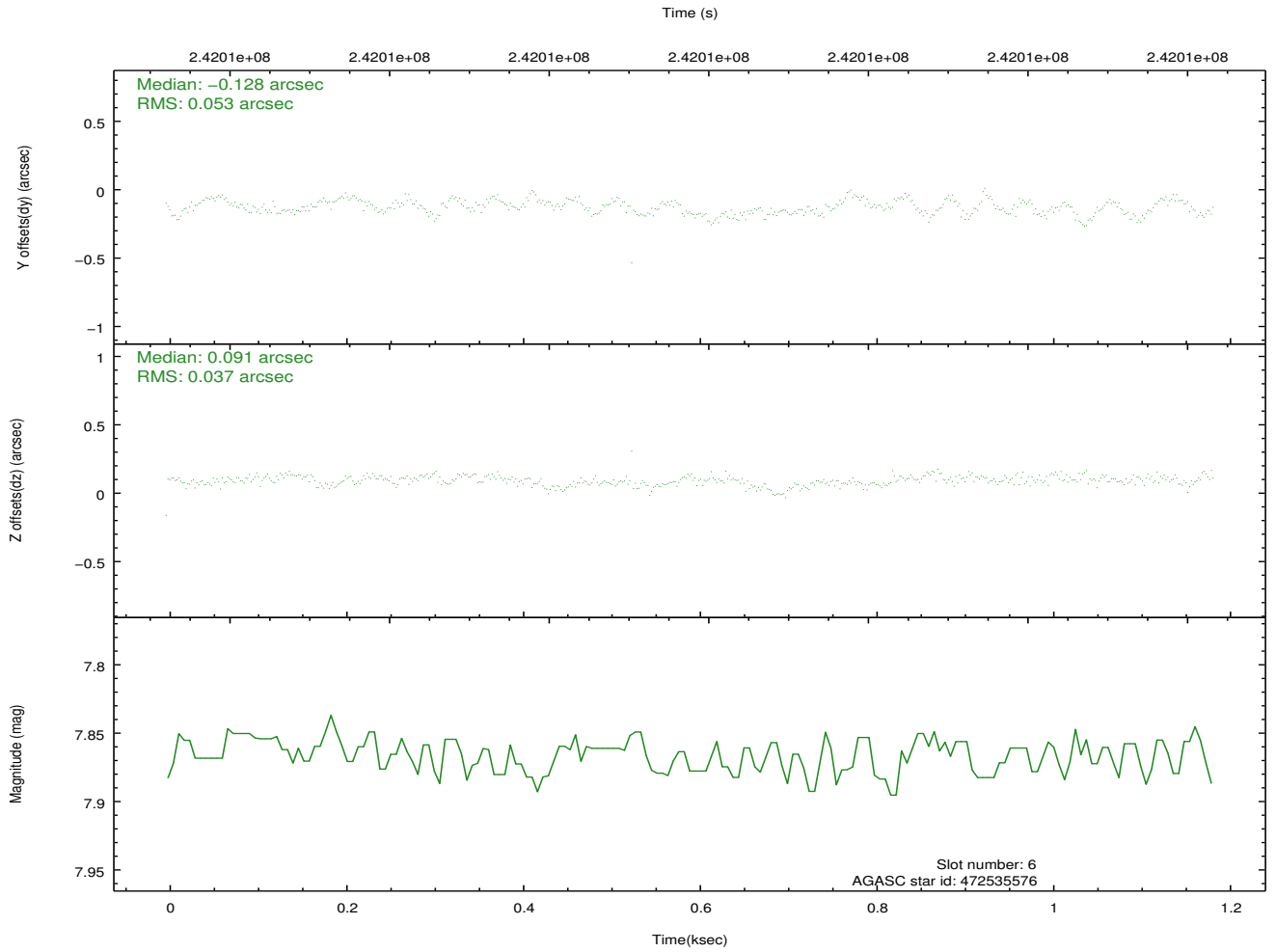
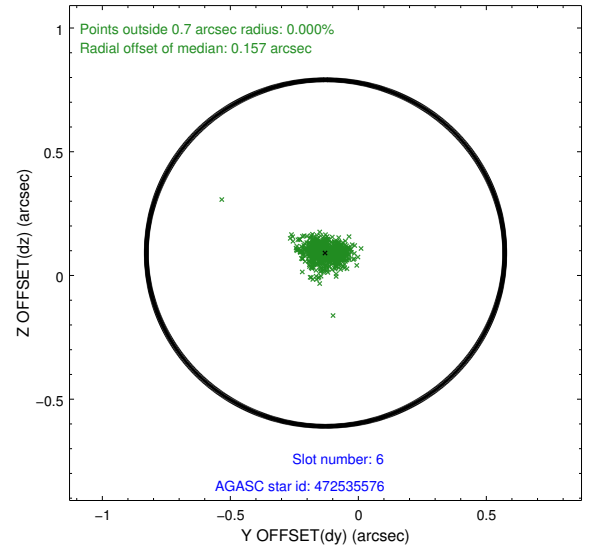
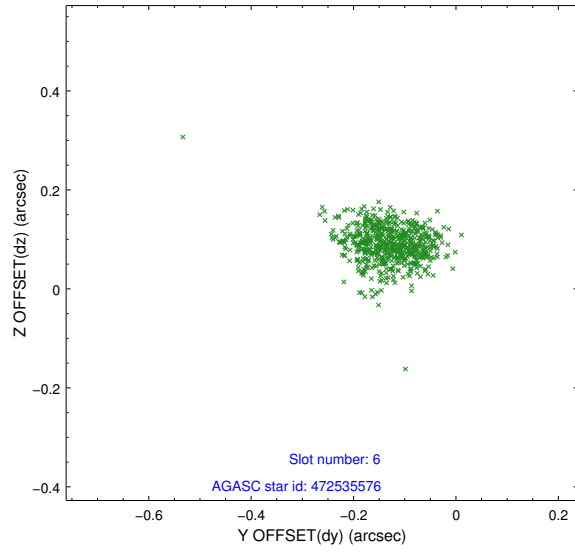
2.4.2 Slot 4



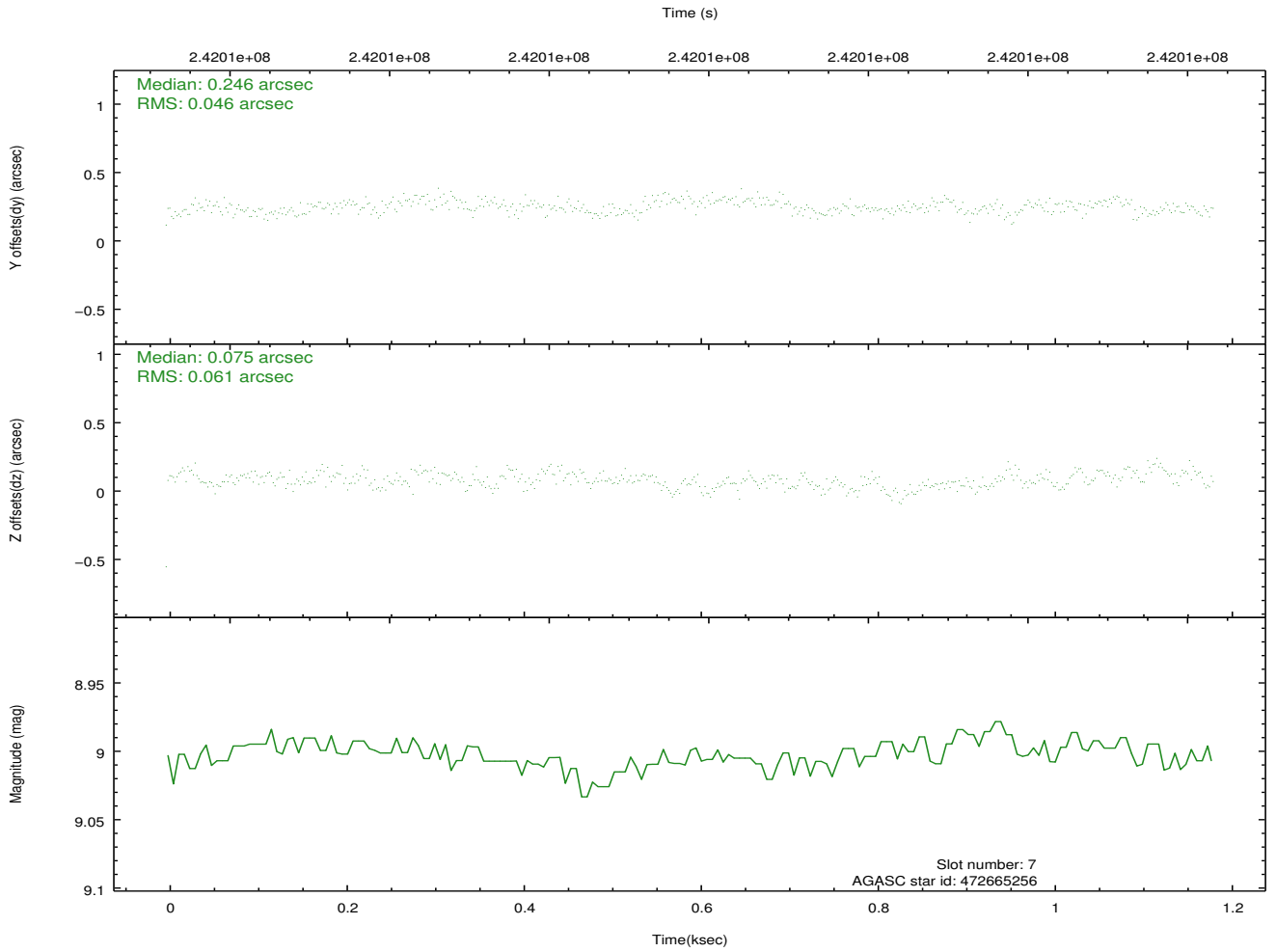
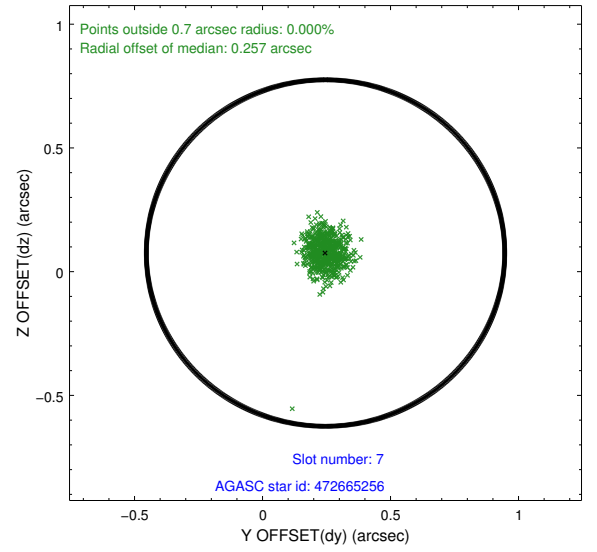
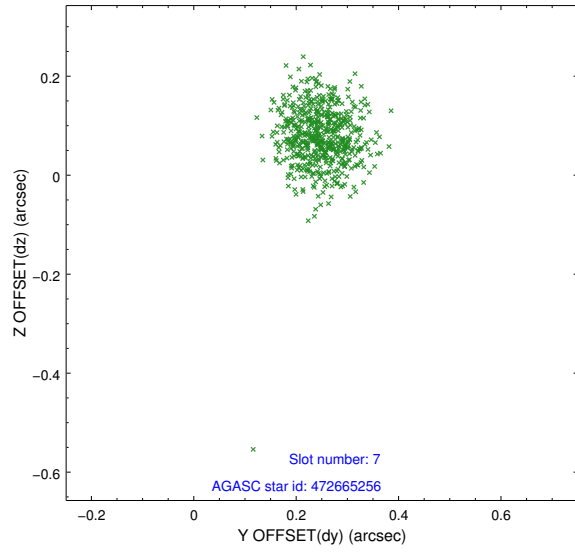
2.4.3 Slot 5



2.4.4 Slot 6

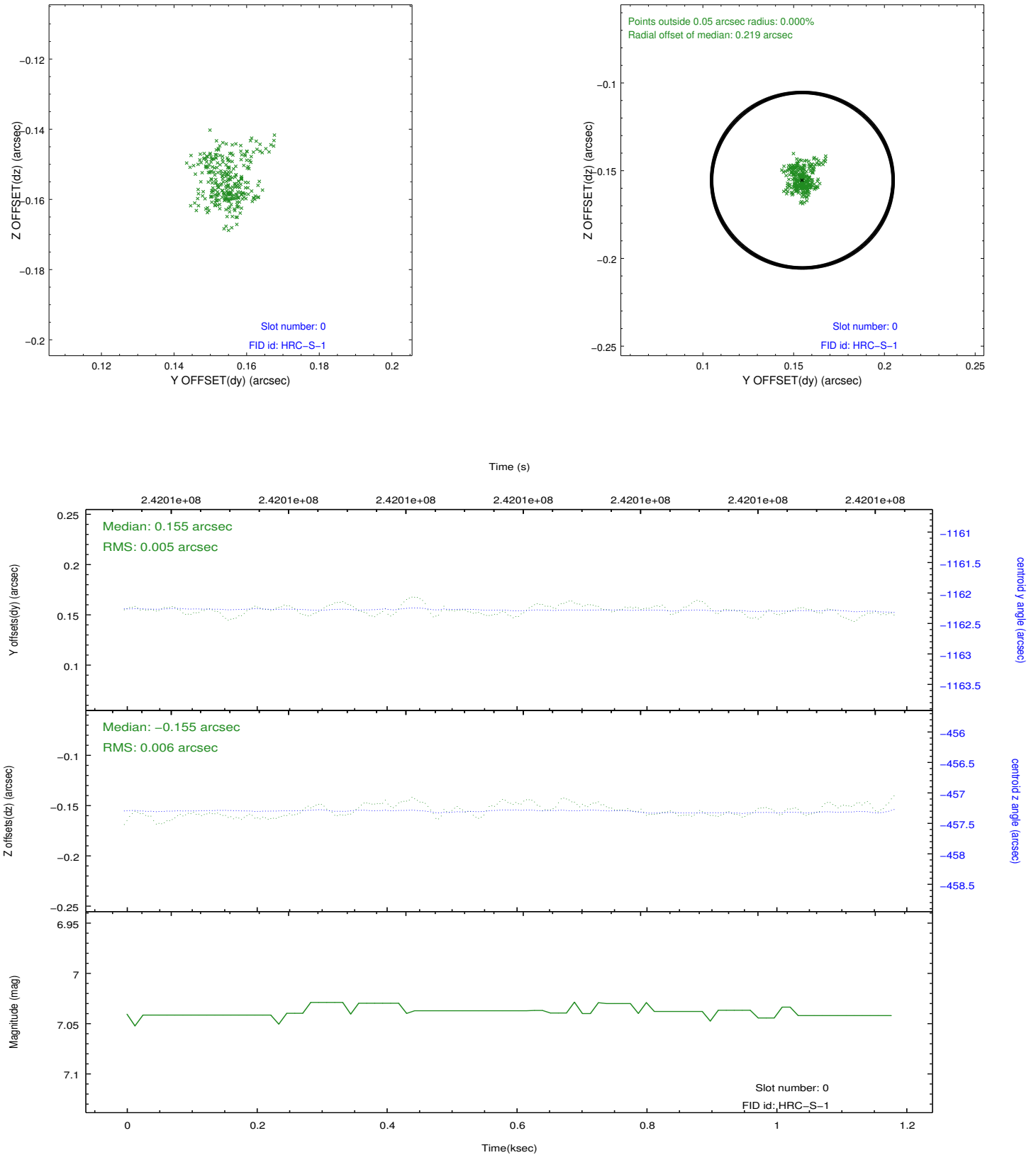


2.4.5 Slot 7

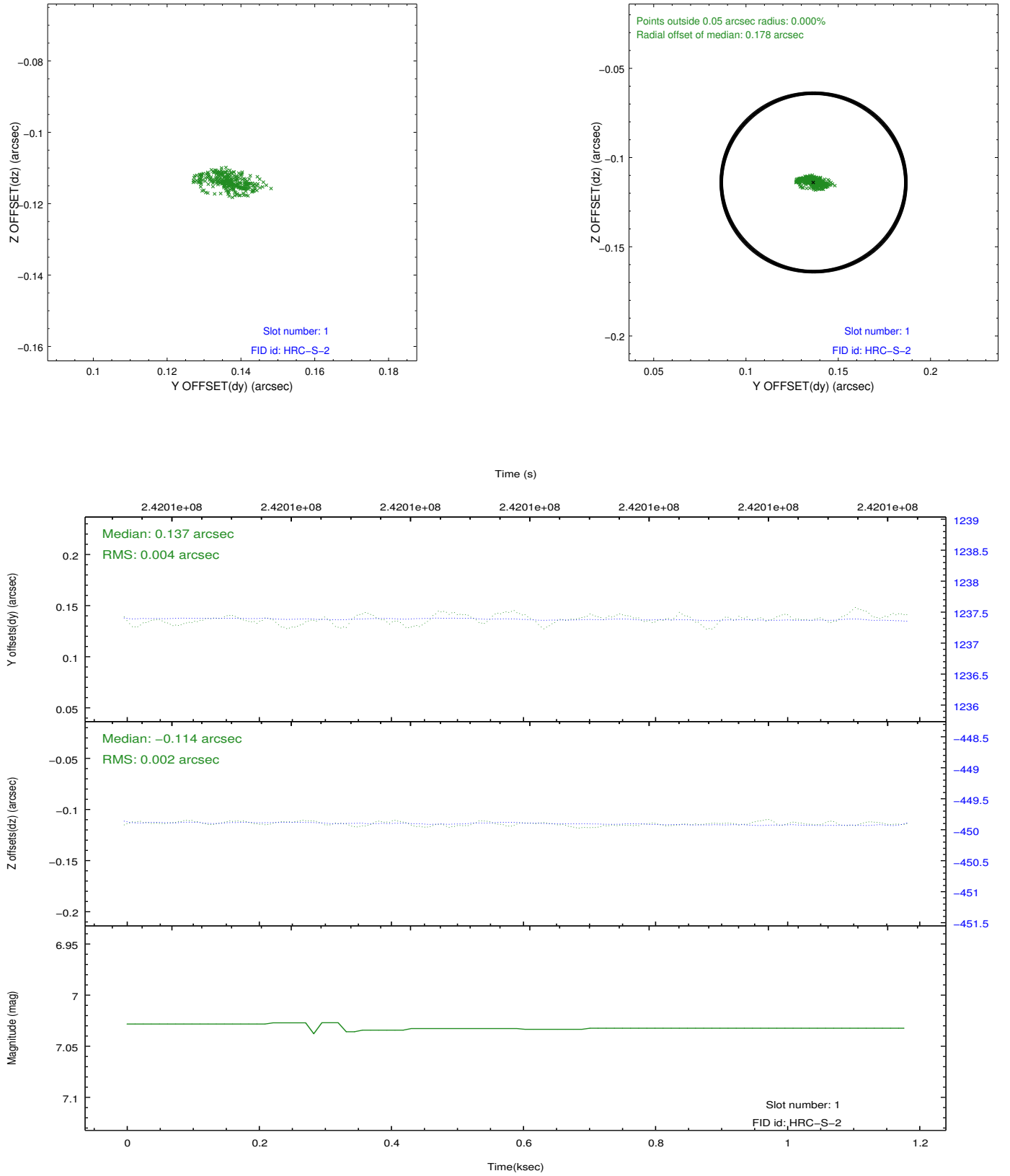


2.5 FID Slots

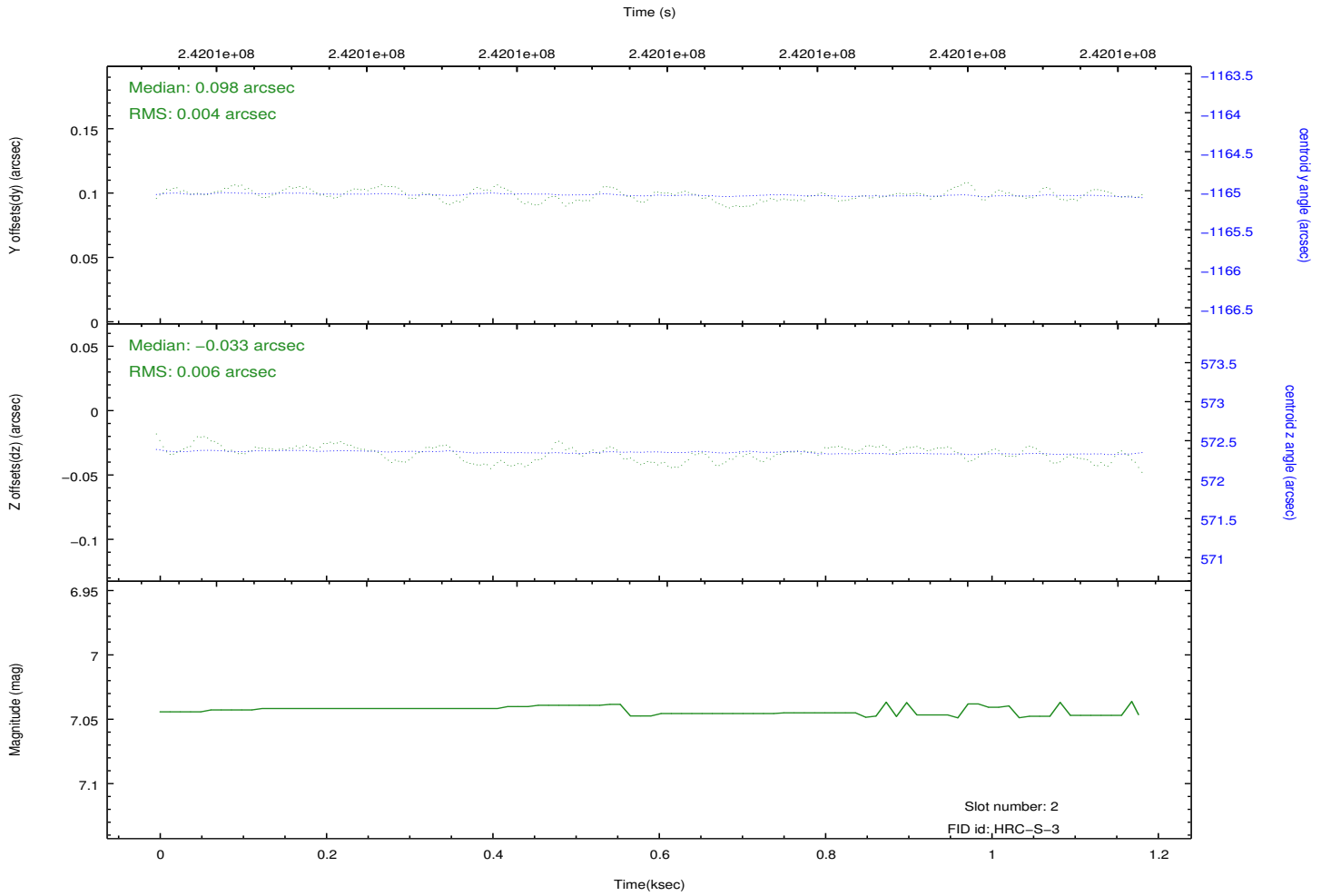
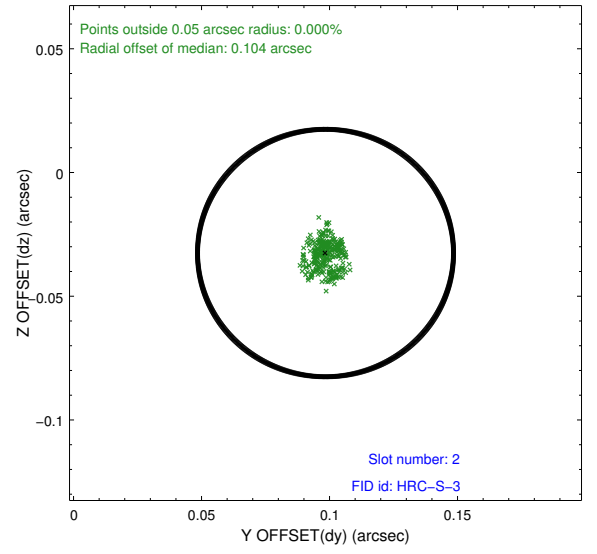
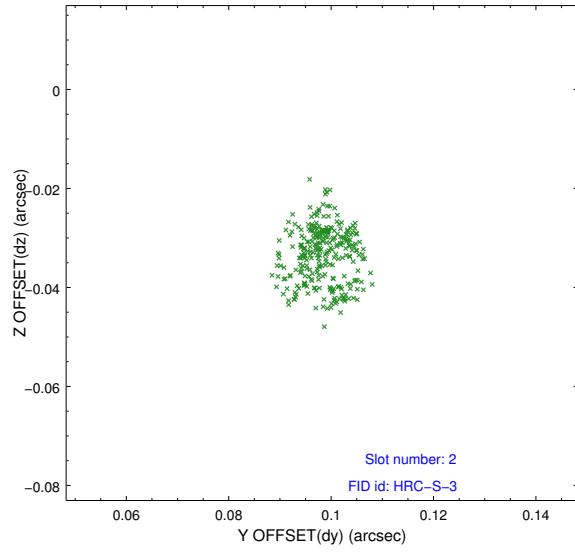
2.5.1 Slot 0



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)	2013.03.19
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	1.155431

A.2 Comments