

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5088 - L2 Version 3
Chandra X-Ray Center

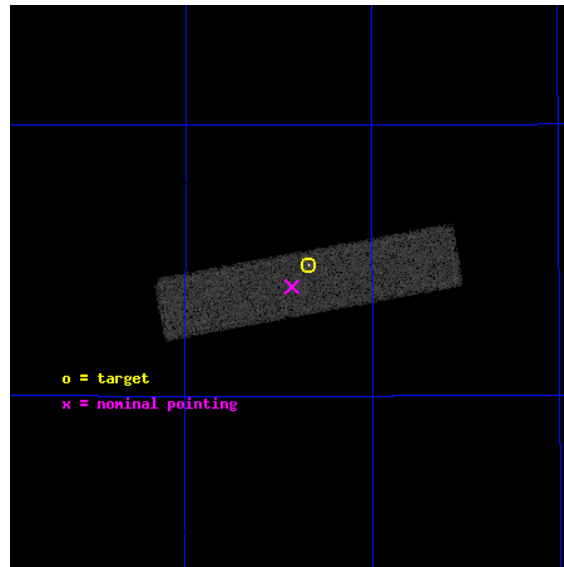
L2 Processing Date : Nov 11 2012

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

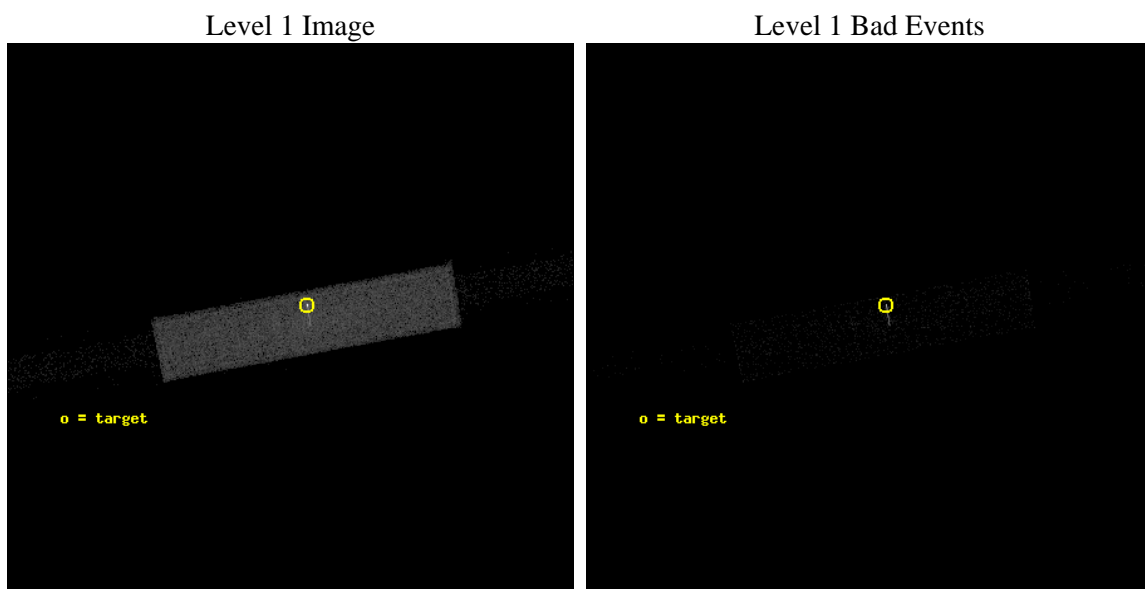
seq_num	290361	Sequence number
obs_id	5088	Observation id
title	AO5A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.21505222849	Nominal RA [deg]
dec_nom	45.702397843259	Nominal Dec [deg]
roll_nom	349.48356717915	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1088.8062976301	[s]
livetime	1083.0511597046	Ontime multiplied by DTCOR
l2events	40611	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	946.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1088.8062976301	[s]
caldsver	4.5.2	 	l1events	68441	Number of level 1 events
date	2012-11-11T16:04:42	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

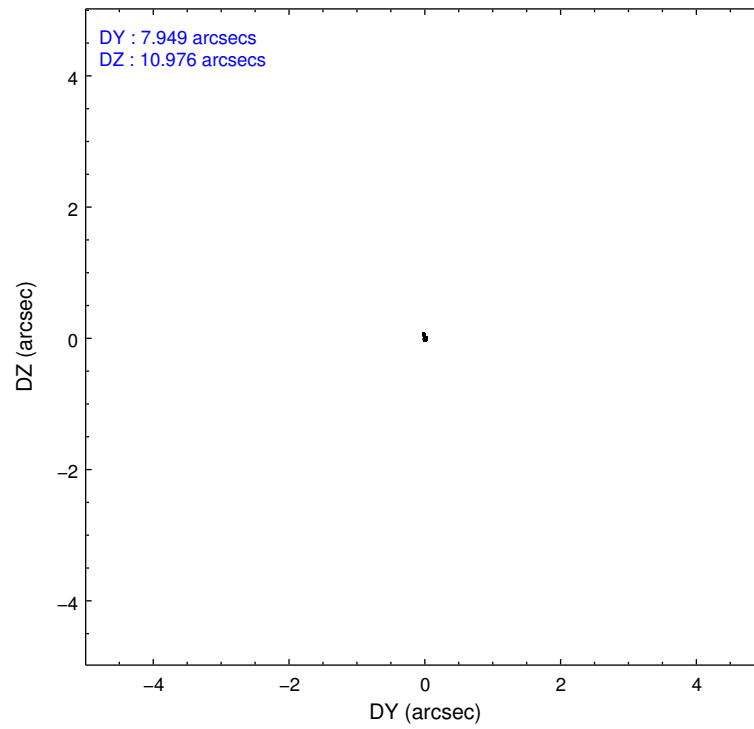
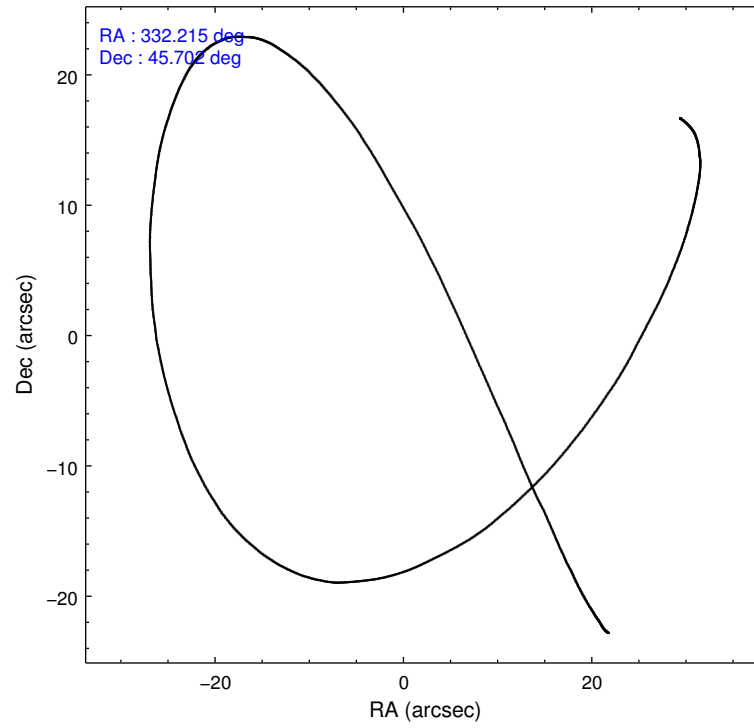
Level 1 Events

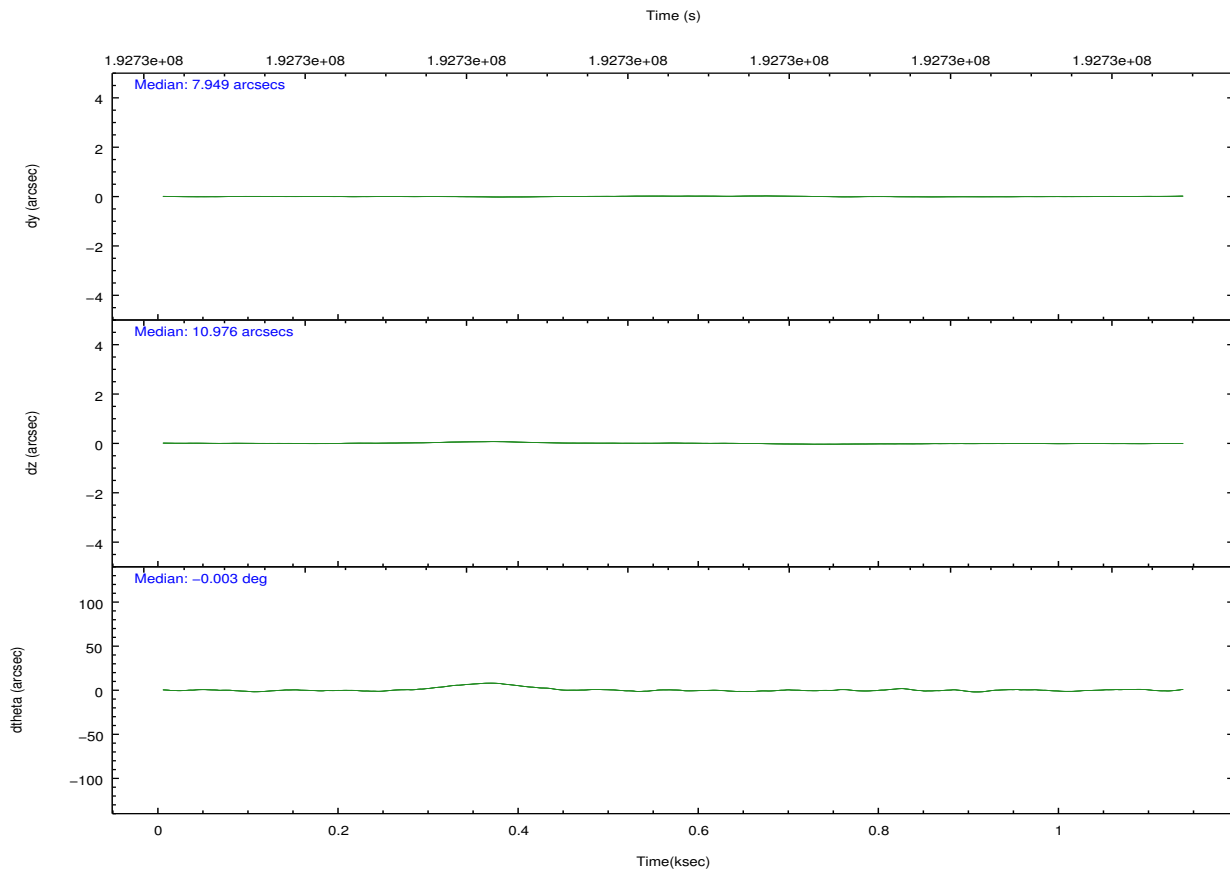
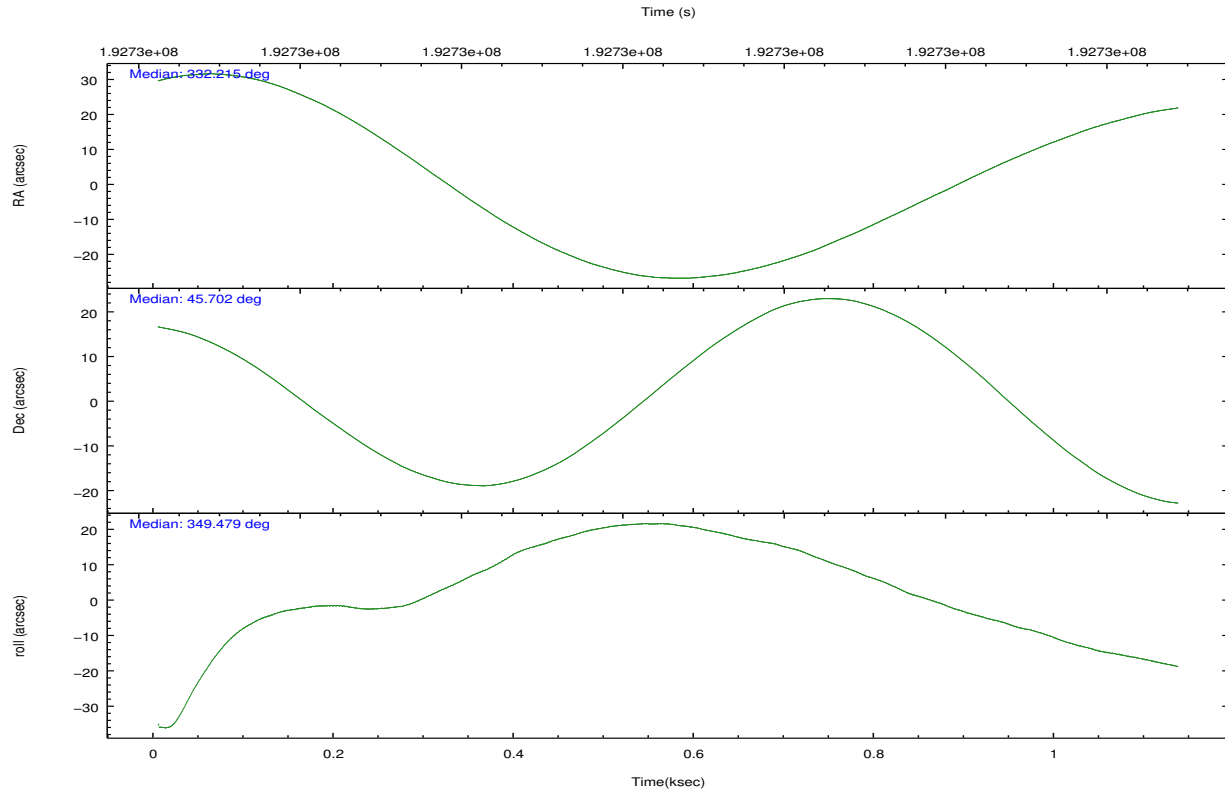
	segment 1	segment 2	segment 3
level 1 events	1200	66078	1163
rejected events	1200	16168	1163
rejected %	100%	24%	100%

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	332.176867	332.2150522284946			
[deg] Pointing Dec	45.691572	45.7023978432595			
[deg] Pointing Roll	349.443595	349.4835671791481			
[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)	192730081.184000	192729704.62245			
Observation start date	2004-02-09T16:06:57	2004-02-09T16:01:44			
[s] Observation end time (MET)	192731027.184000	192731161.14751			
Observation end date	2004-02-09T16:22:43	2004-02-09T16:26:01			

2.3 Aspect



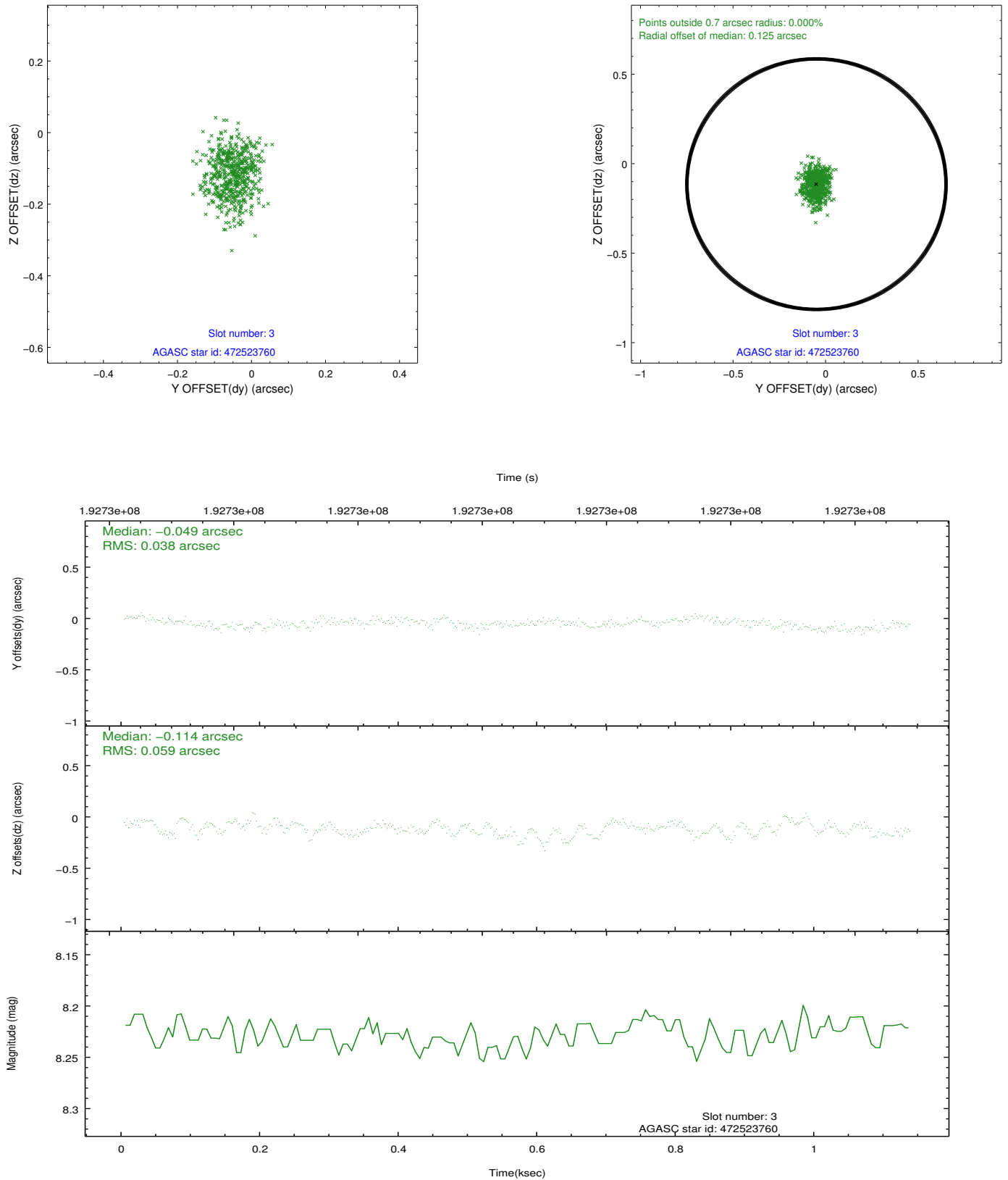


Slot Statistics

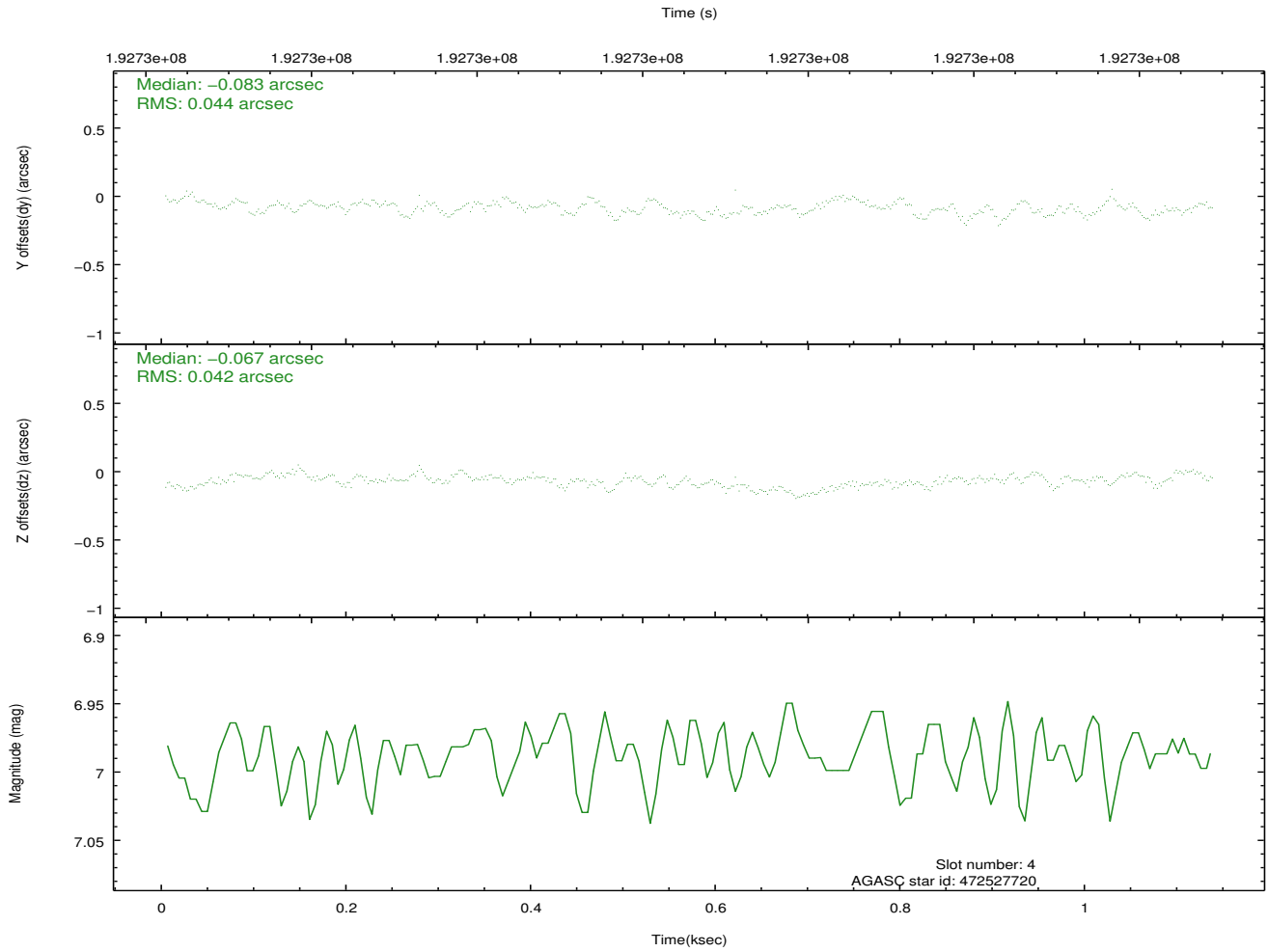
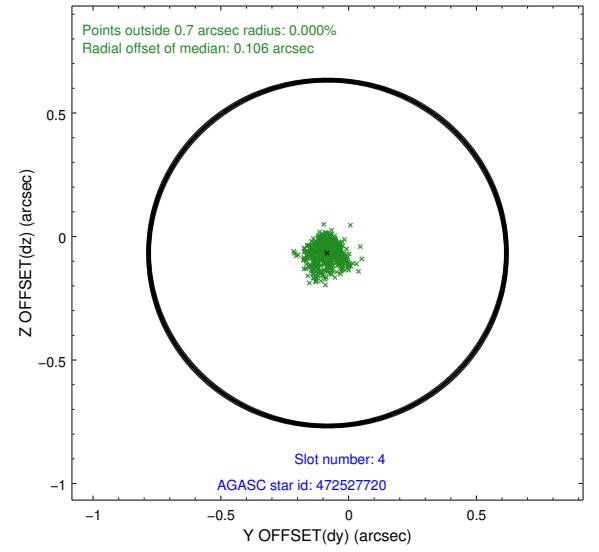
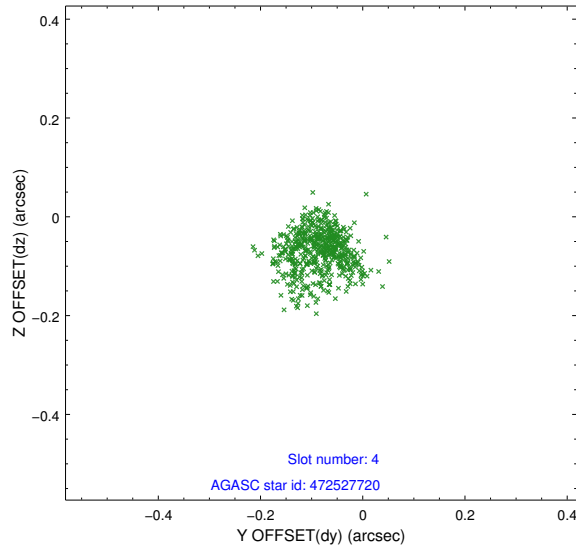
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.03	277	0.150	-0.169	0.007	0.013	0.000000	0.000000	-1162.11	-459.69
1	FID	HRC-S-2	7.03	277	0.131	-0.109	0.005	0.024	0.000000	0.000000	1233.36	-453.96
2	FID	HRC-S-3	7.04	277	0.109	-0.023	0.007	0.028	0.000000	0.000000	-1160.40	568.35
3	GUIDE	472523760	8.23	554	-0.049	-0.114	0.074	0.123	331.645363	45.403260	-1131.93	-1262.14
4	GUIDE	472527720	6.99	554	-0.083	-0.067	0.066	0.103	331.460205	45.112509	-1412.08	-2377.21
5	GUIDE	472533912	9.17	554	-0.007	0.027	0.113	0.178	331.791136	46.368695	-1392.35	2218.99
6	GUIDE	472655152	9.42	551	0.109	0.054	0.101	0.176	332.504239	45.862991	690.39	763.08
7	GUIDE	472659832	9.46	552	0.046	0.122	0.133	0.227	332.780399	46.098139	1212.54	1722.28

2.4 Star Slots

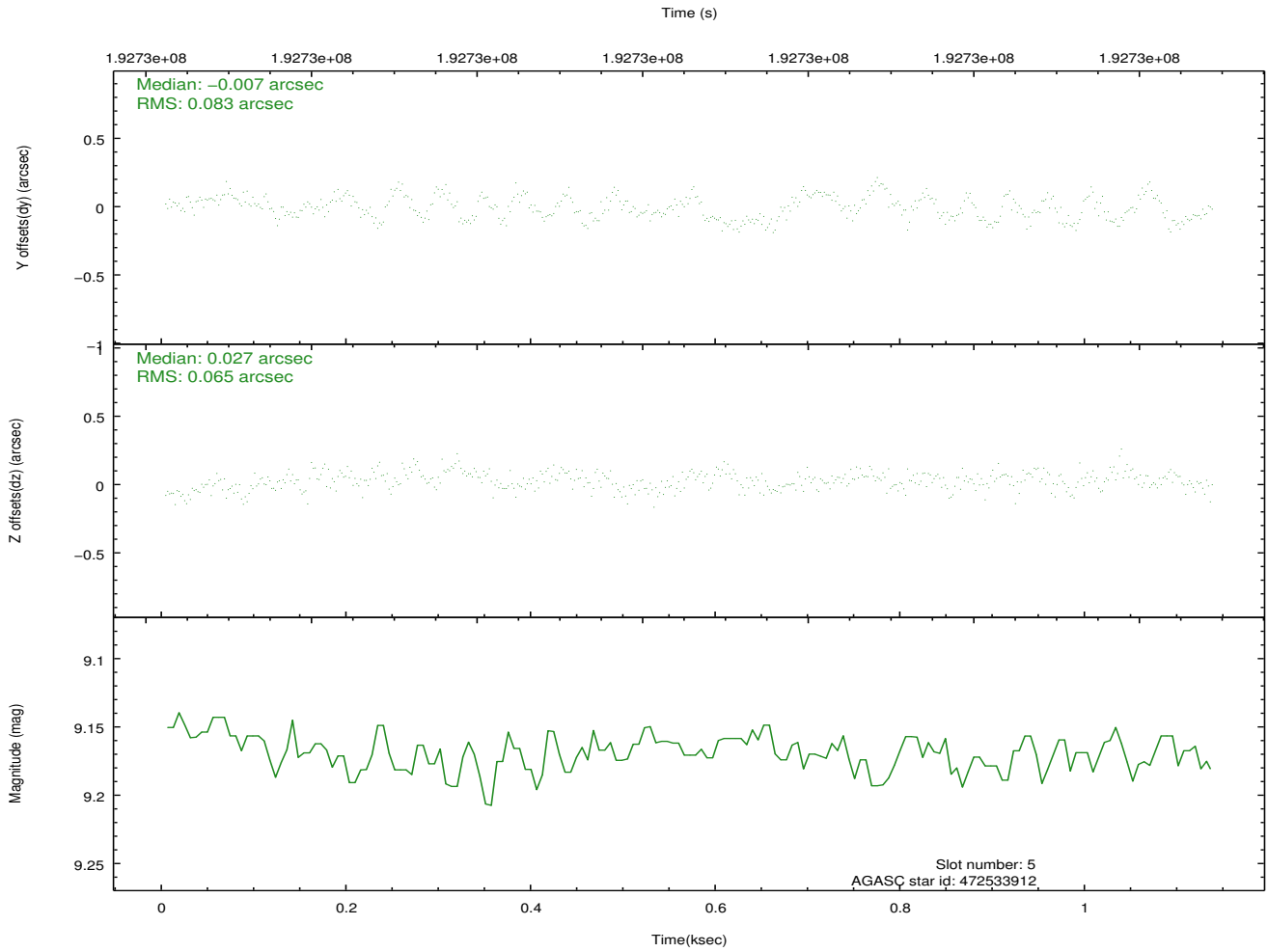
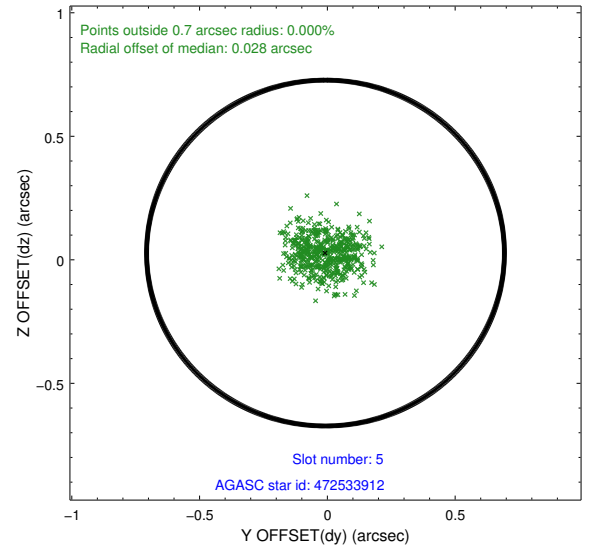
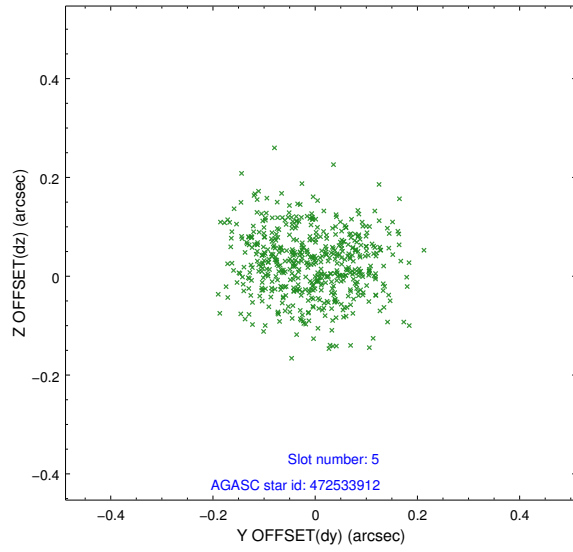
2.4.1 Slot 3



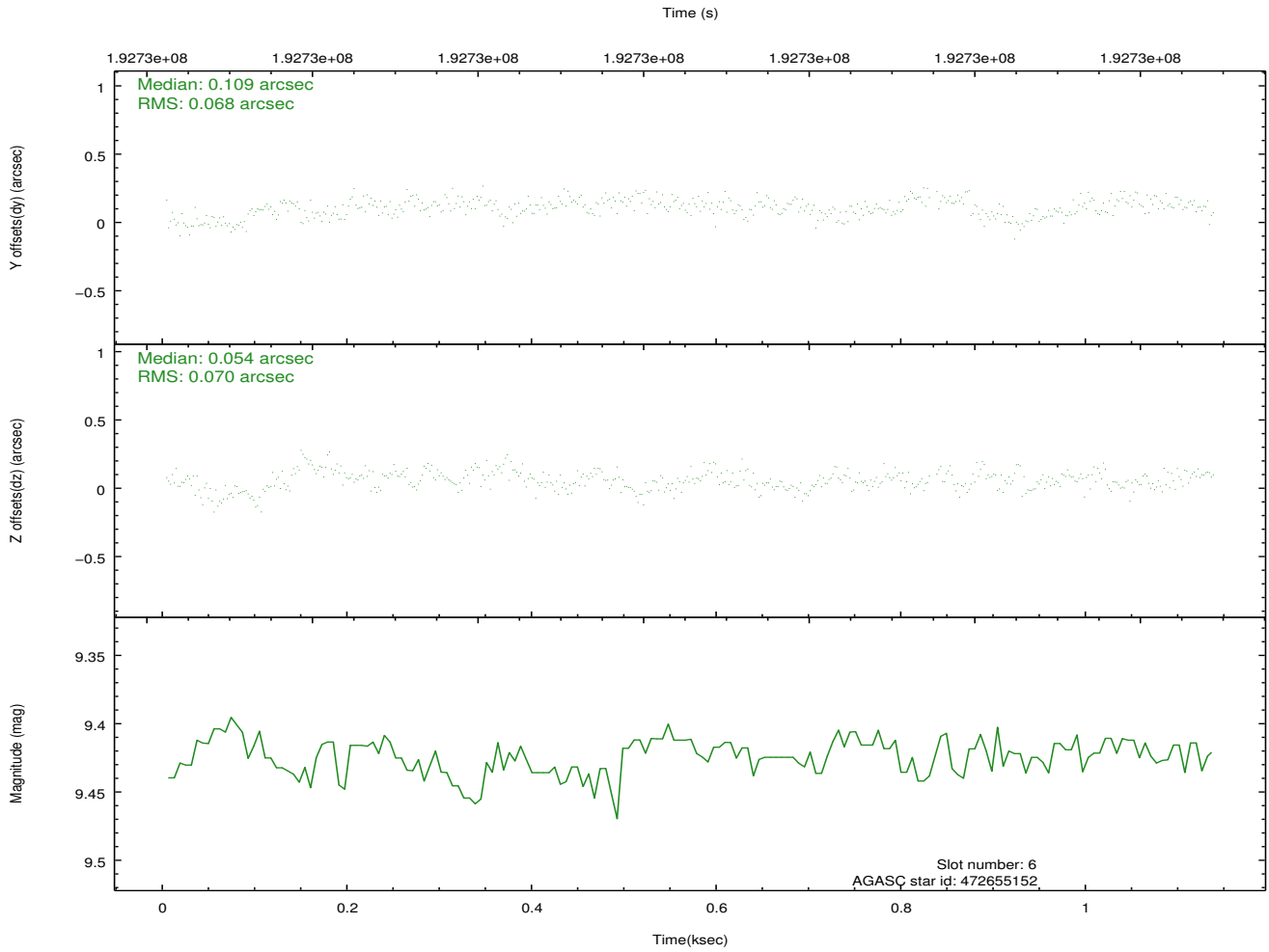
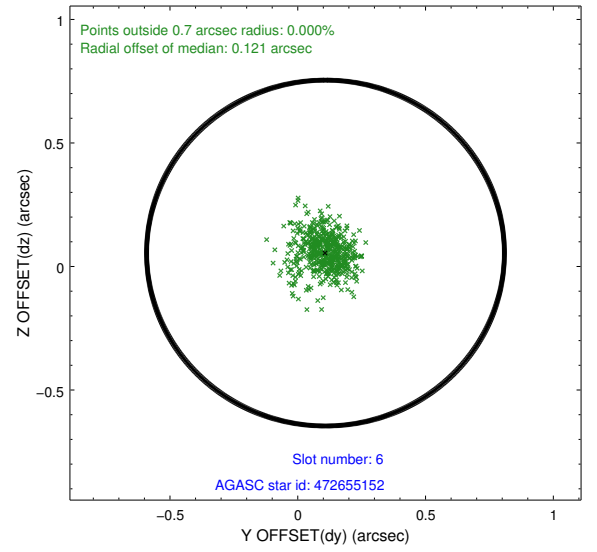
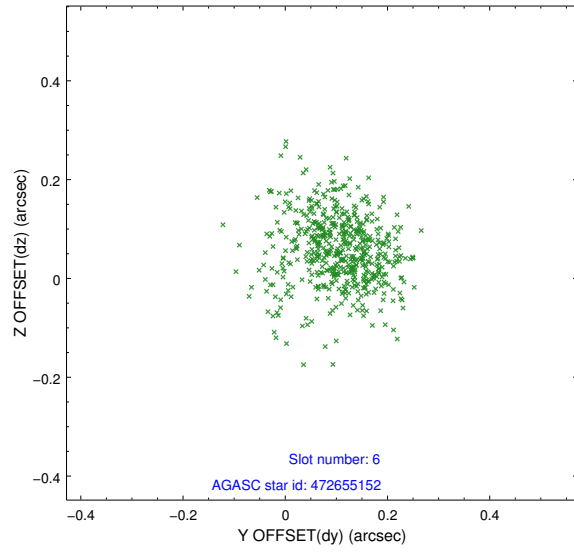
2.4.2 Slot 4



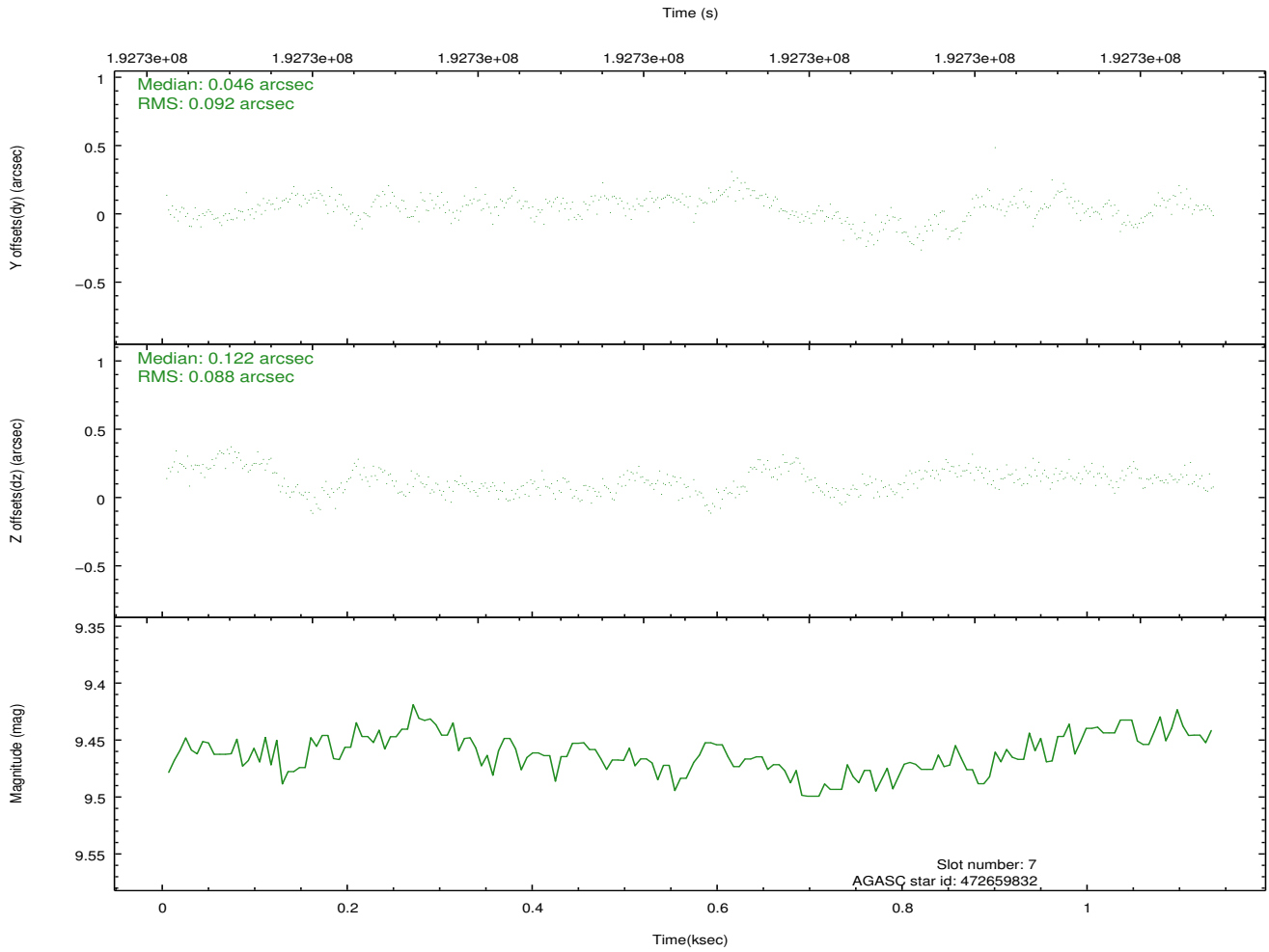
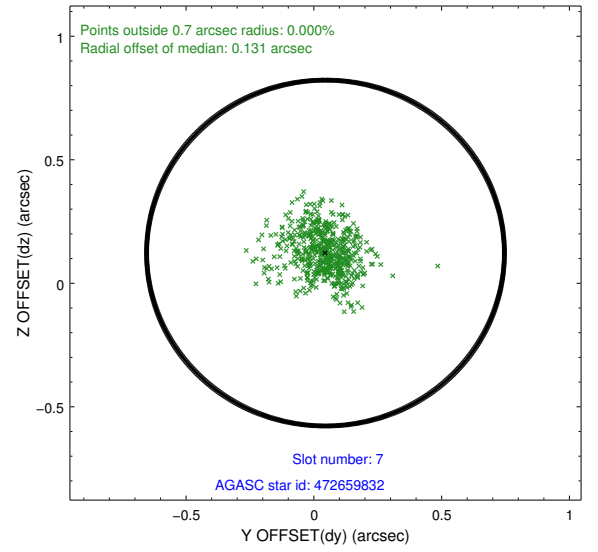
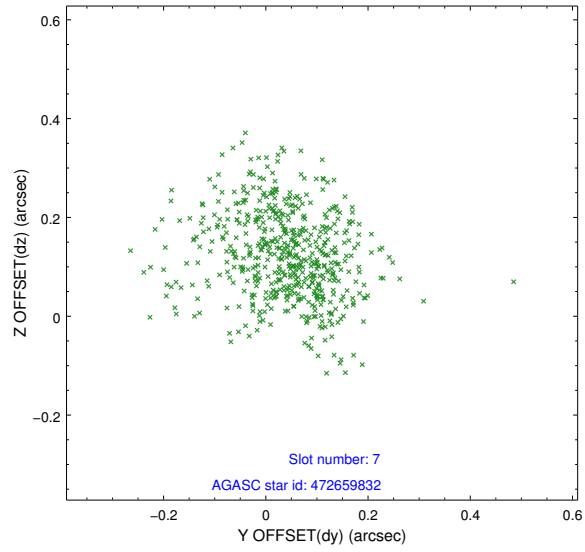
2.4.3 Slot 5



2.4.4 Slot 6

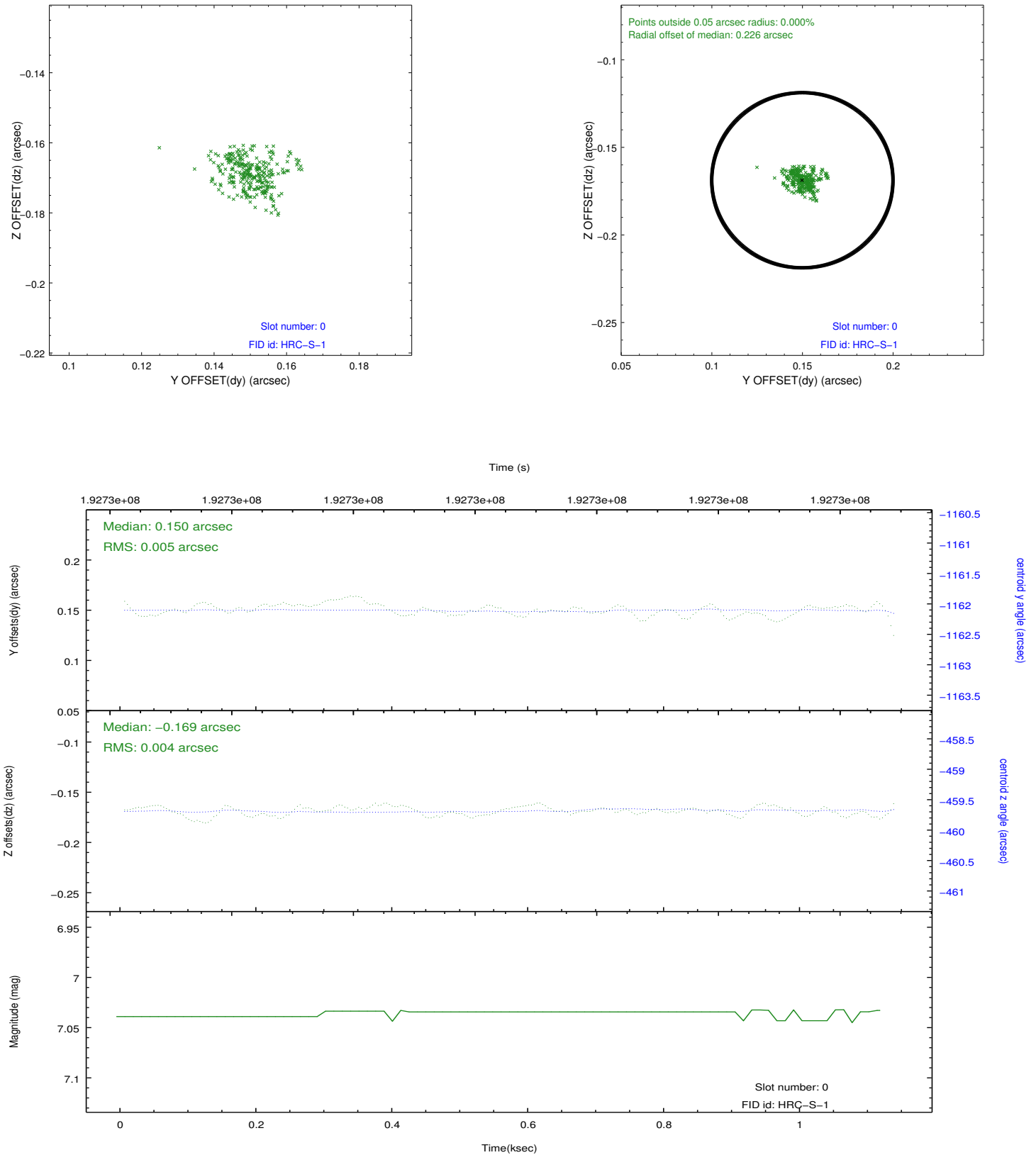


2.4.5 Slot 7

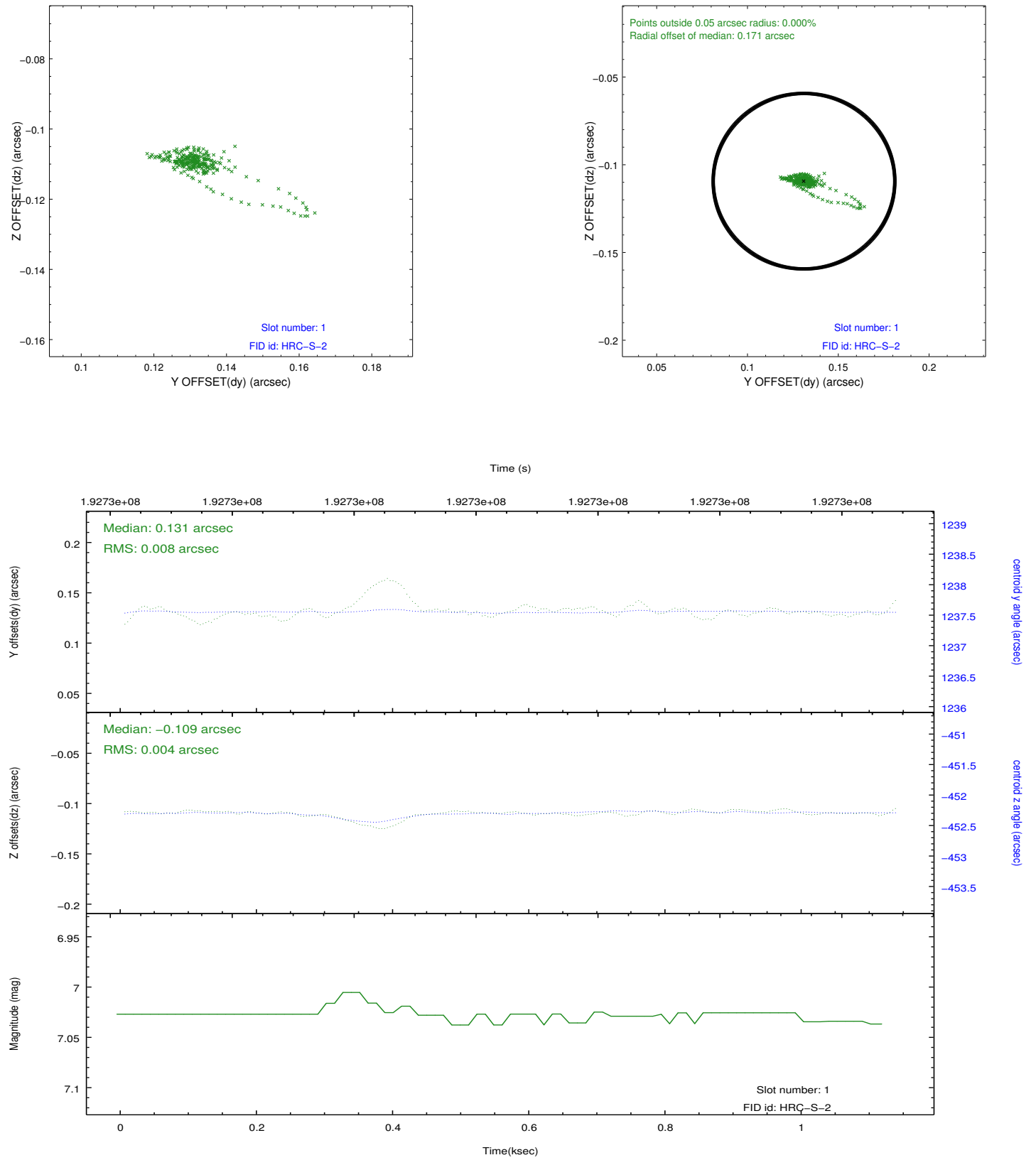


2.5 FID Slots

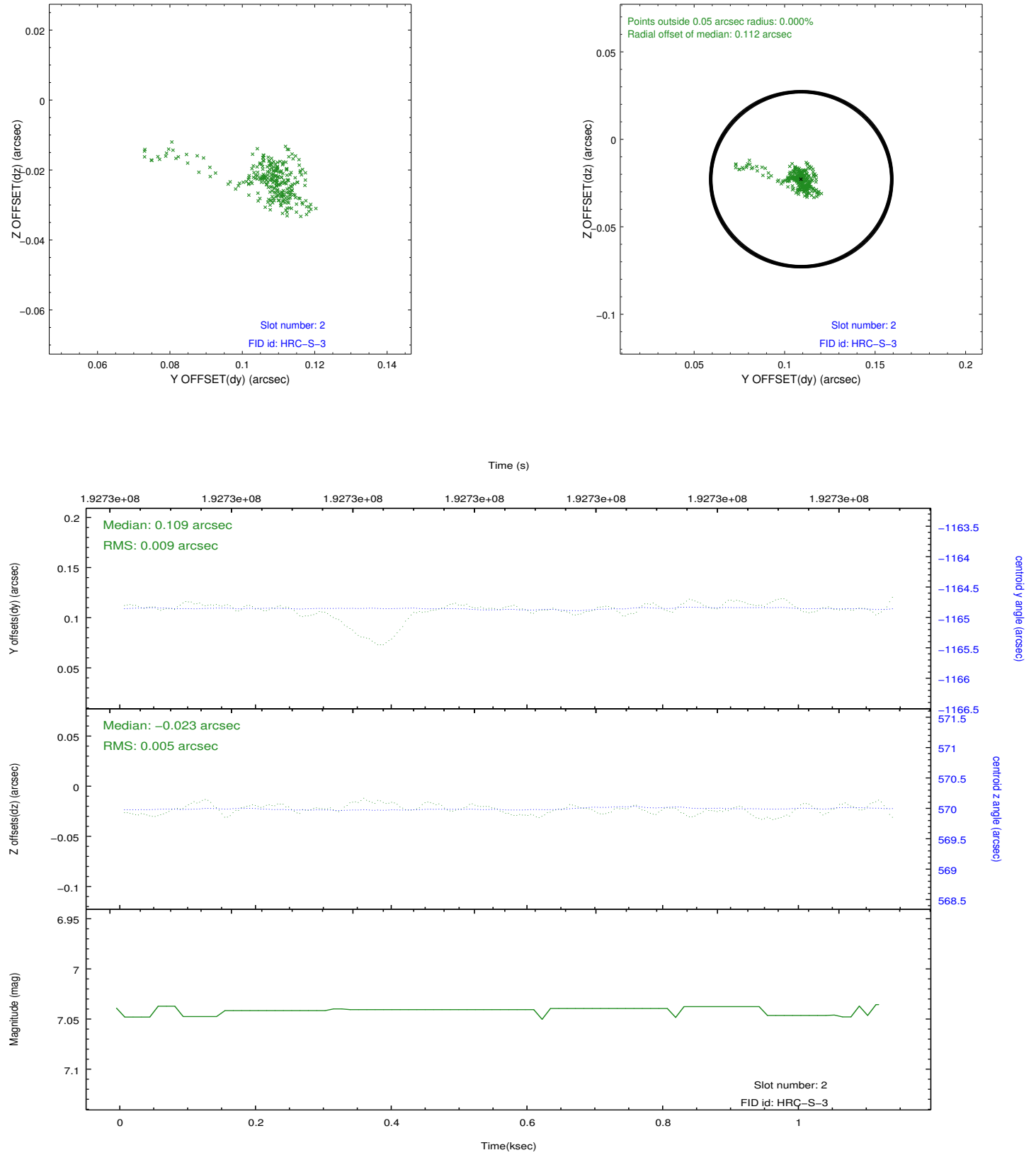
2.5.1 Slot 0



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)	2012.12.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.088

A.2 Comments