

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5093 - L2 Version 3
Chandra X-Ray Center

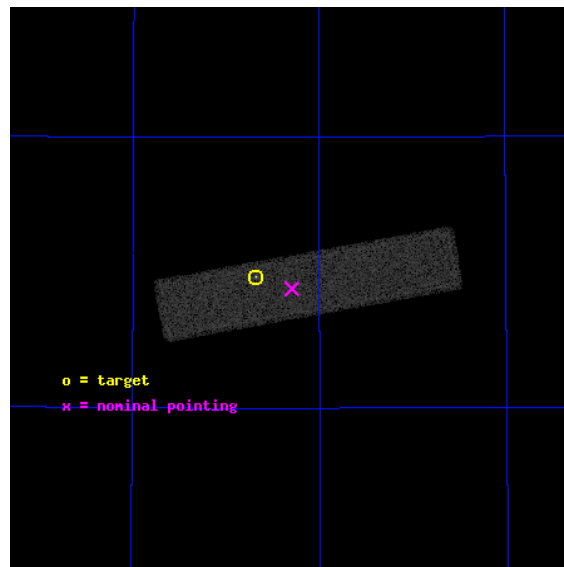
L2 Processing Date : Nov 11 2012

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1 Front

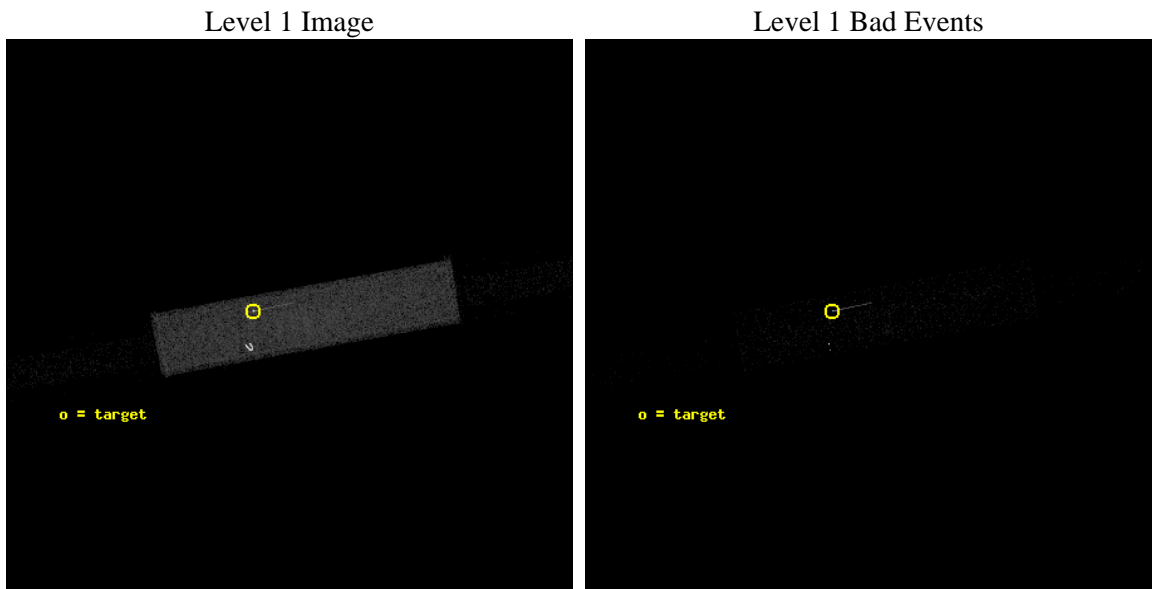
seq_num	290366	Sequence number
obs_id	5093	Observation id
title	AO5A Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.0737521729	Nominal RA [deg]
dec_nom	45.720404704019	Nominal Dec [deg]
roll_nom	349.72745652698	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1087.7812975645	[s]
livetime	1079.4853518267	Ontime multiplied by DTCOR
l2events	39439	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	1087.7812975645	[s]
caldsver	4.5.2	 	l1events	97028	Number of level 1 events
date	2012-11-11T16:24:18	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

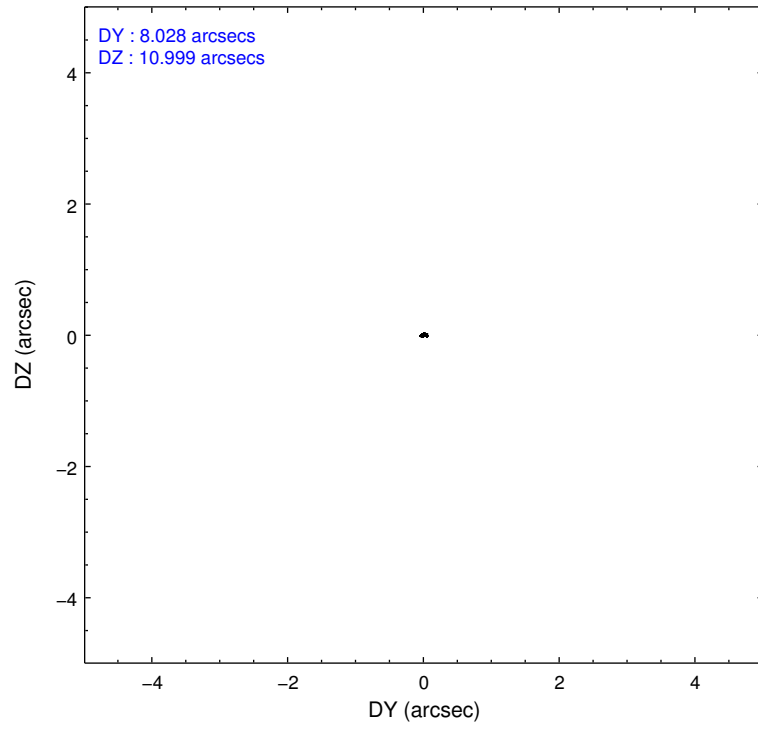
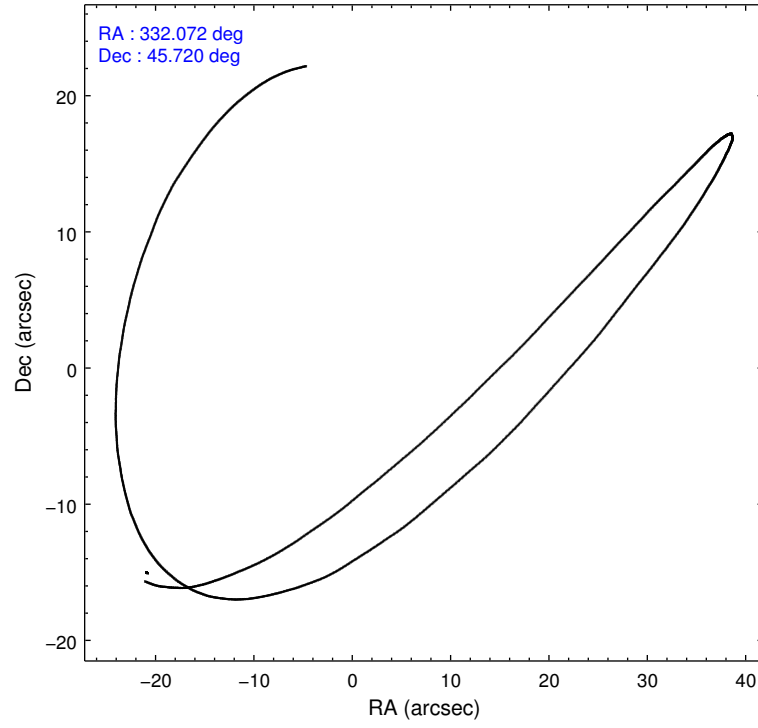
Level 1 Events

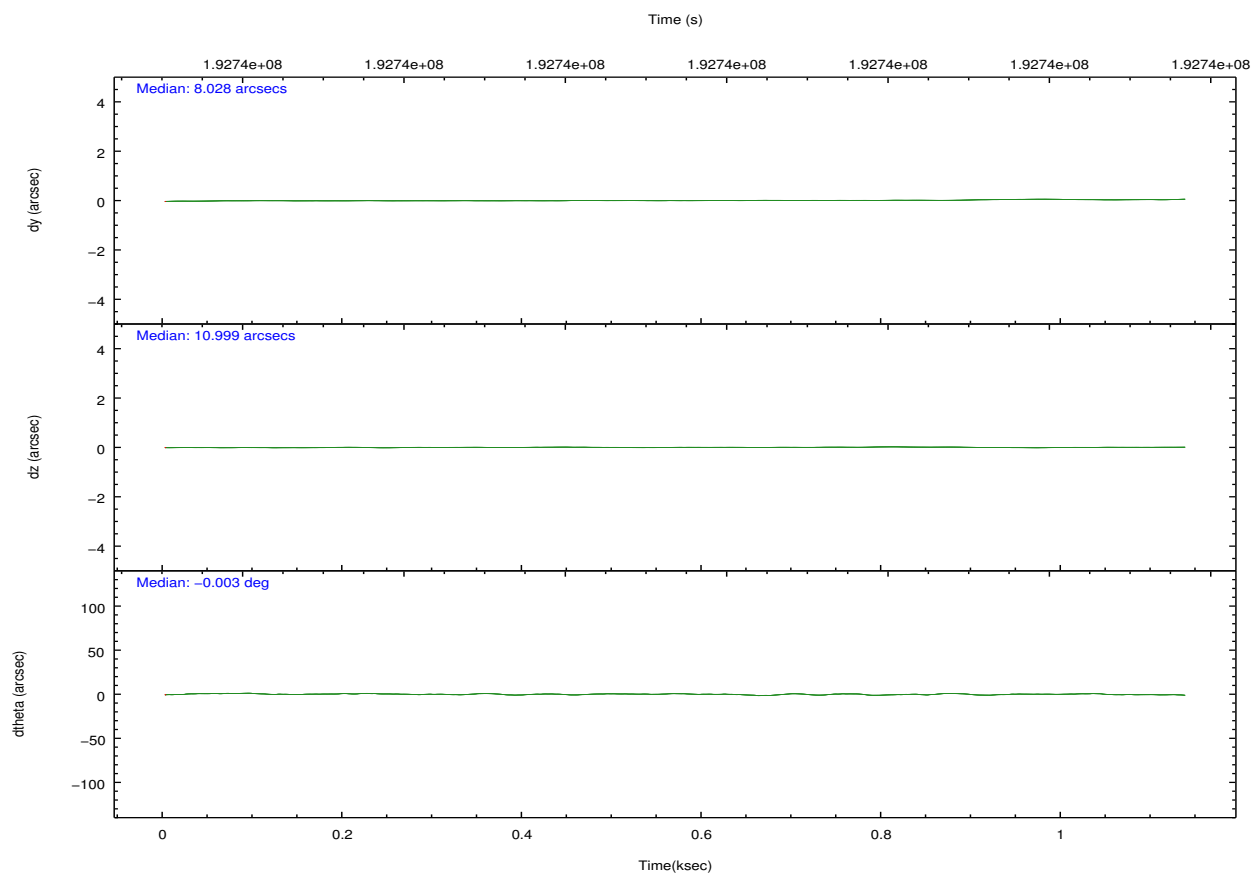
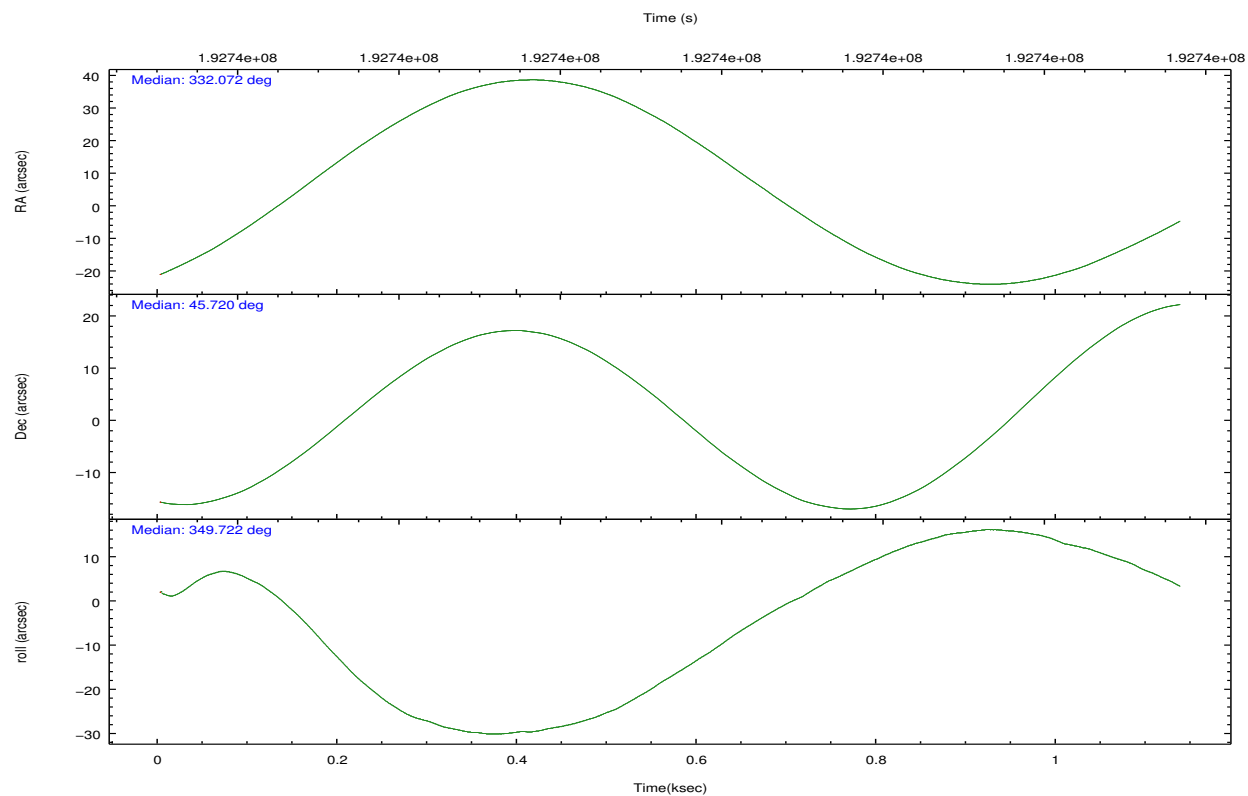
	segment 1	segment 2	segment 3
level 1 events	1145	94847	1036
rejected events	1145	26682	1036
rejected %	100%	28%	100%

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	332.036197	332.0737521729016			
[deg] Pointing Dec	45.709564	45.72040470401905			
[deg] Pointing Roll	349.687198	349.7274565269827			
[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)	192737361.184000	192736985.19776			
Observation start date	2004-02-09T18:08:17	2004-02-09T18:03:05			
[s] Observation end time (MET)	192738307.184000	192738440.69783			
Observation end date	2004-02-09T18:24:03	2004-02-09T18:27:20			

2.3 Aspect



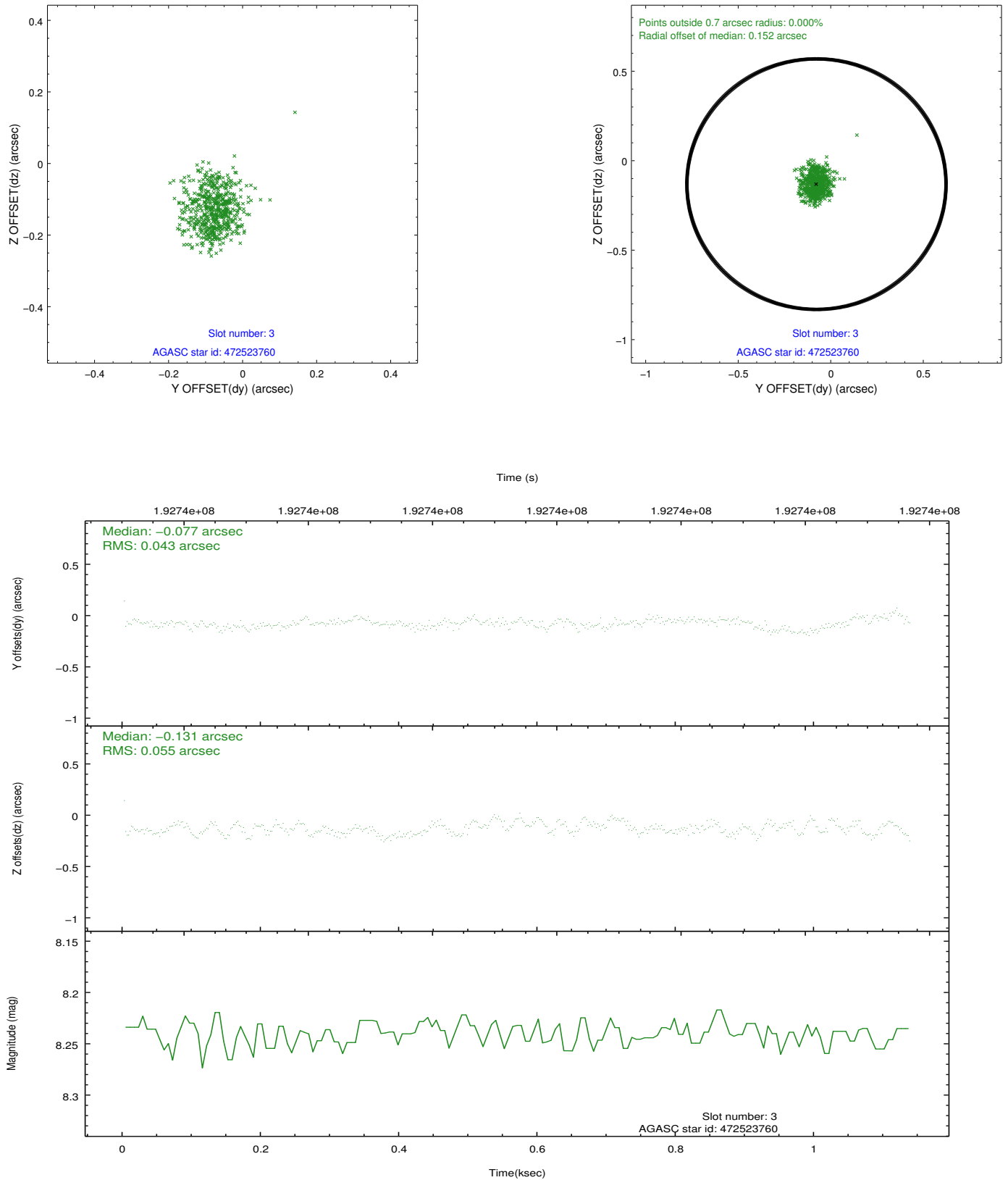


Slot Statistics

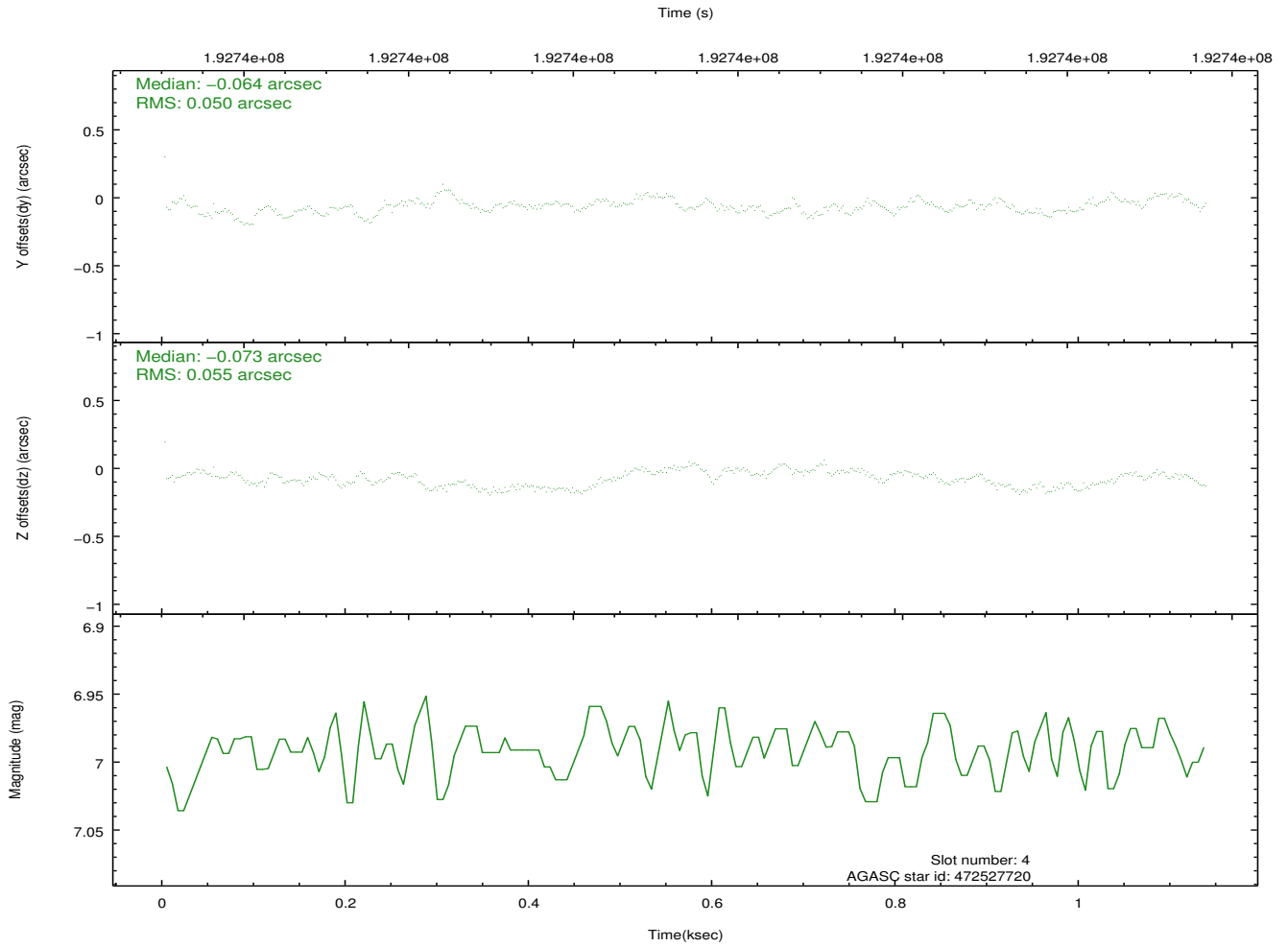
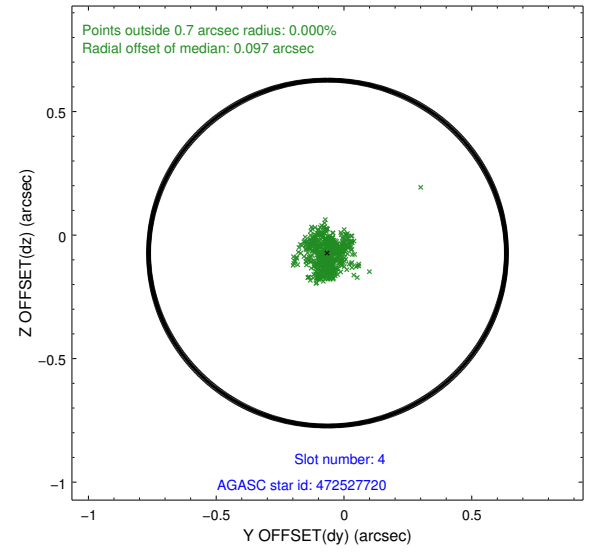
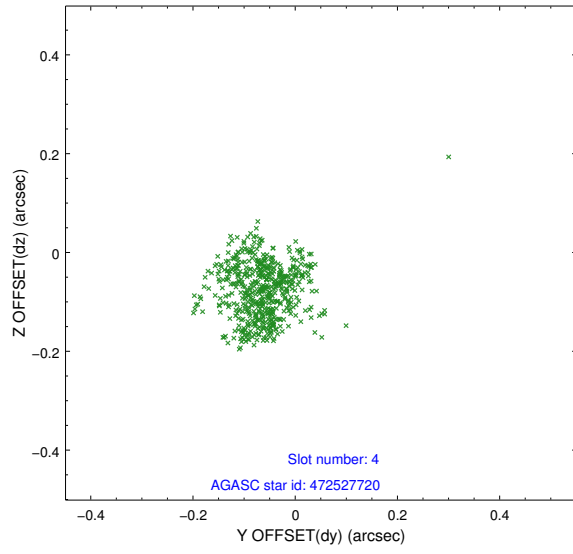
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.03	278	0.148	-0.166	0.006	0.013	0.000000	0.000000	-1162.19	-459.70
1	FID	HRC-S-2	7.02	278	0.130	-0.108	0.004	0.008	0.000000	0.000000	1233.29	-453.97
2	FID	HRC-S-3	7.04	278	0.111	-0.027	0.006	0.012	0.000000	0.000000	-1160.50	568.33
3	GUIDE	472523760	8.24	554	-0.077	-0.131	0.075	0.118	331.645363	45.403260	-774.12	-1258.82
4	GUIDE	472527720	6.99	555	-0.064	-0.073	0.080	0.115	331.460205	45.112509	-1056.28	-2373.18
5	GUIDE	472533912	9.17	554	-0.010	0.029	0.115	0.182	331.791136	46.368695	-1025.25	2222.95
6	GUIDE	472655152	9.42	554	0.117	0.031	0.152	0.275	332.504239	45.862991	1053.93	761.77
7	GUIDE	472659832	9.47	553	0.040	0.104	0.106	0.175	332.780399	46.098139	1578.34	1719.87

2.4 Star Slots

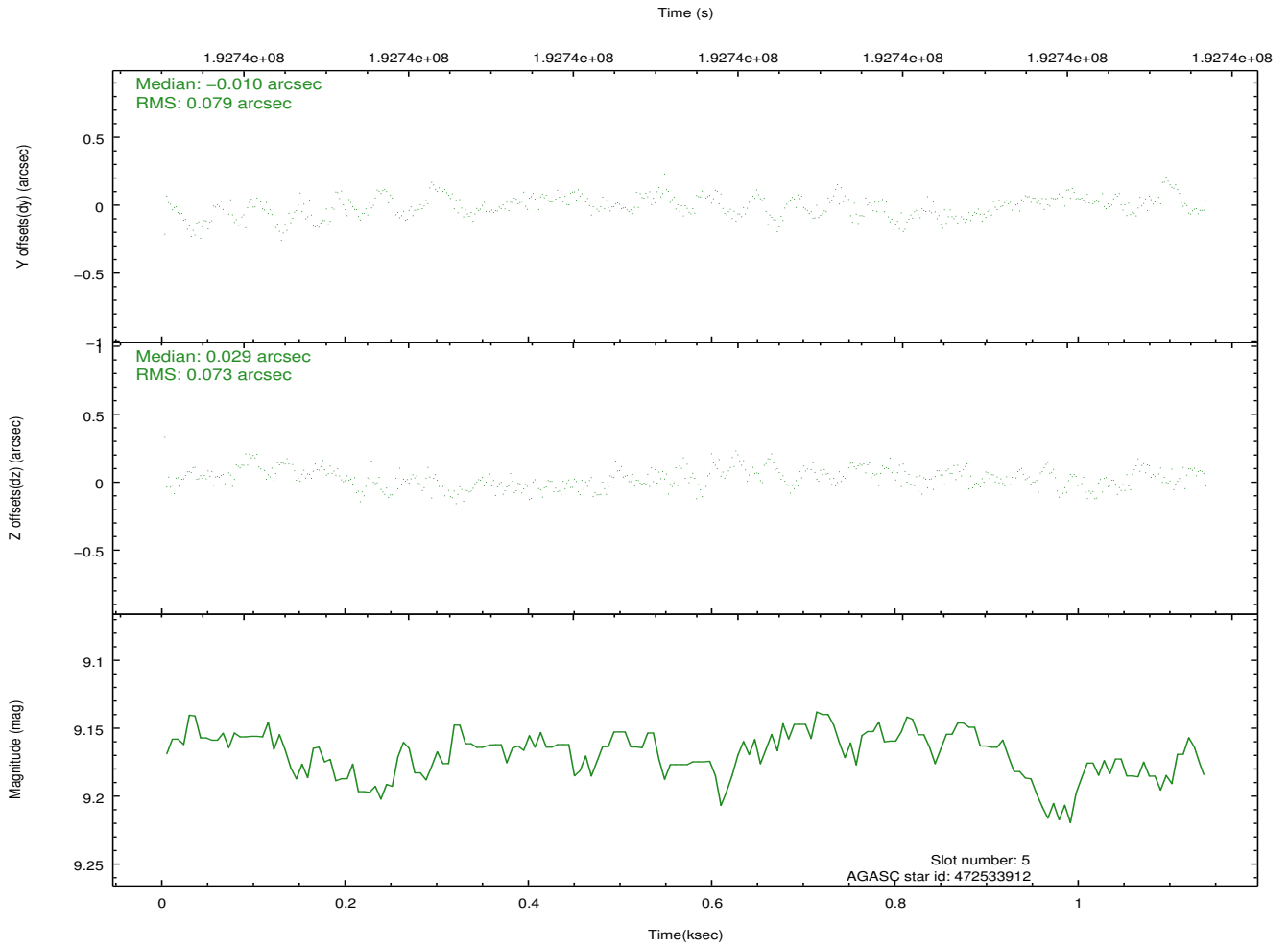
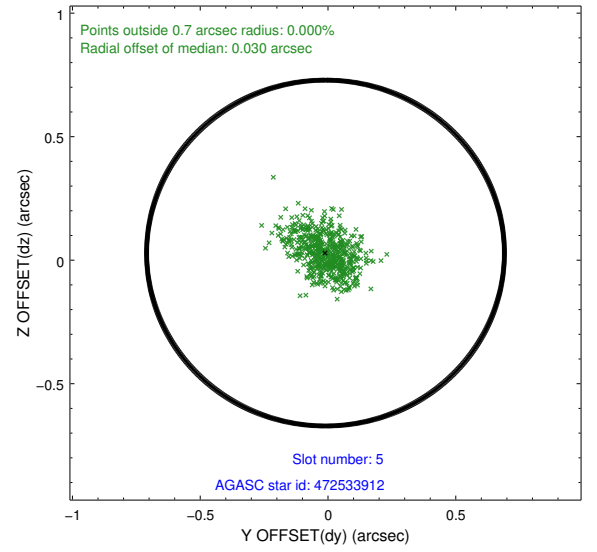
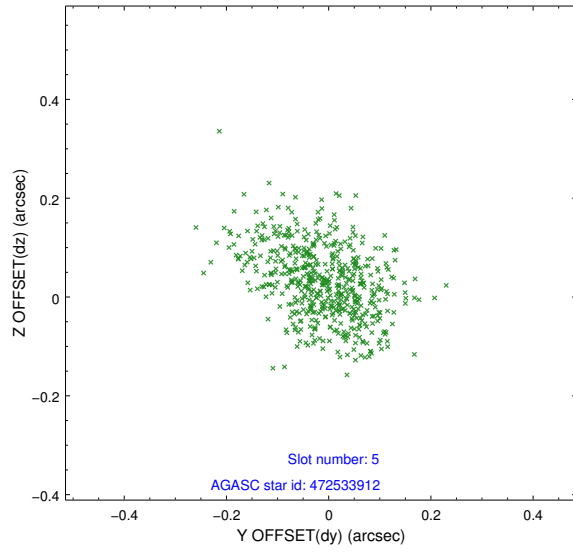
2.4.1 Slot 3



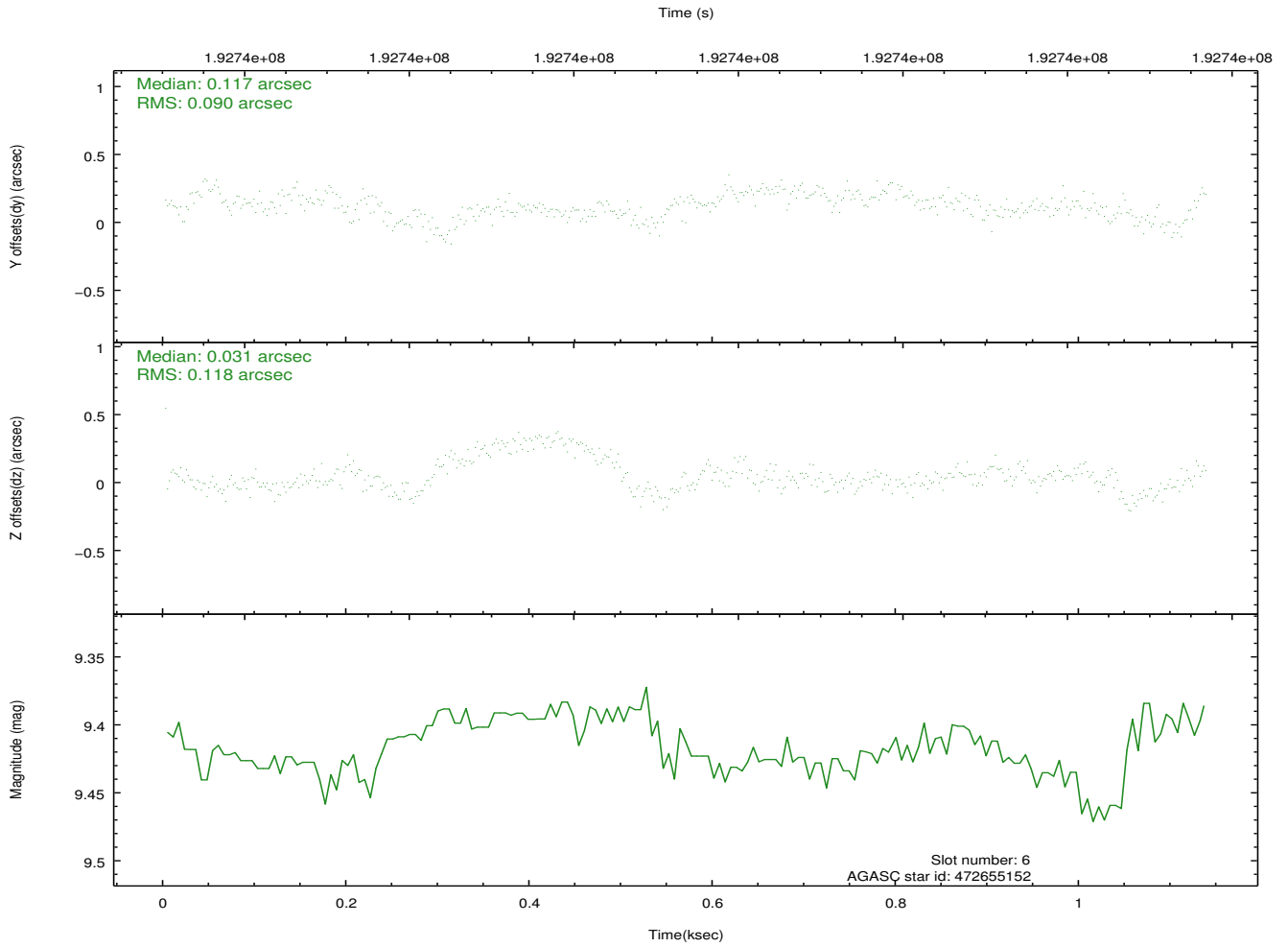
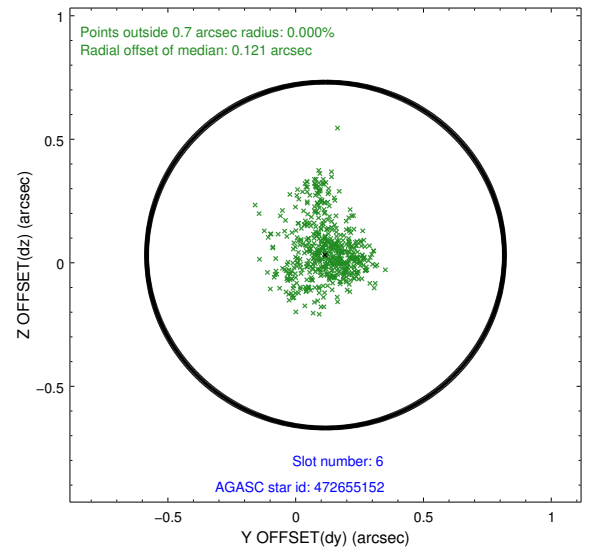
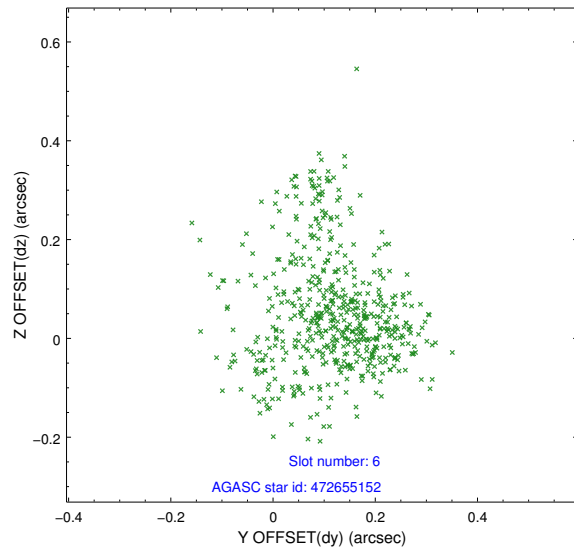
2.4.2 Slot 4



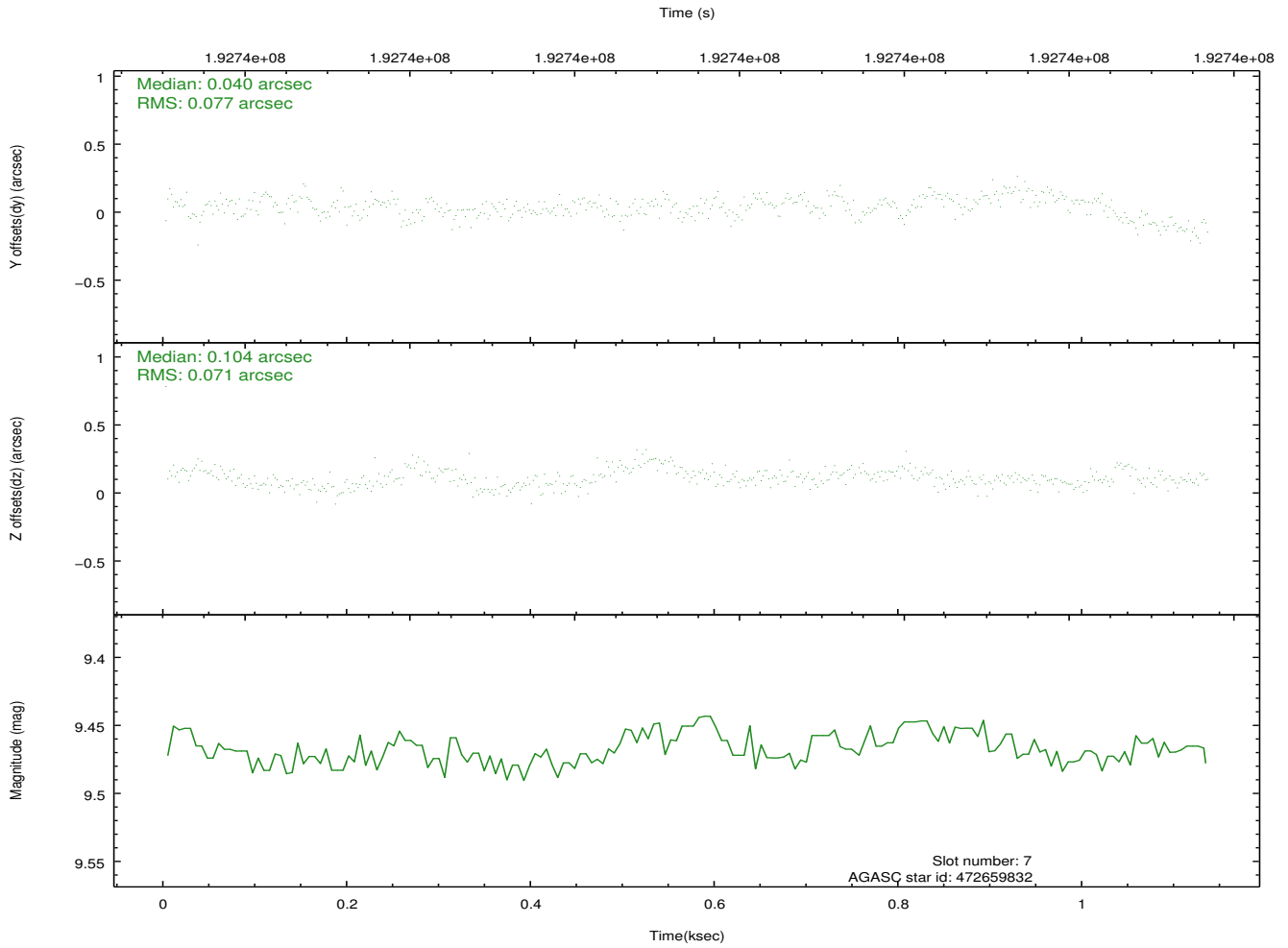
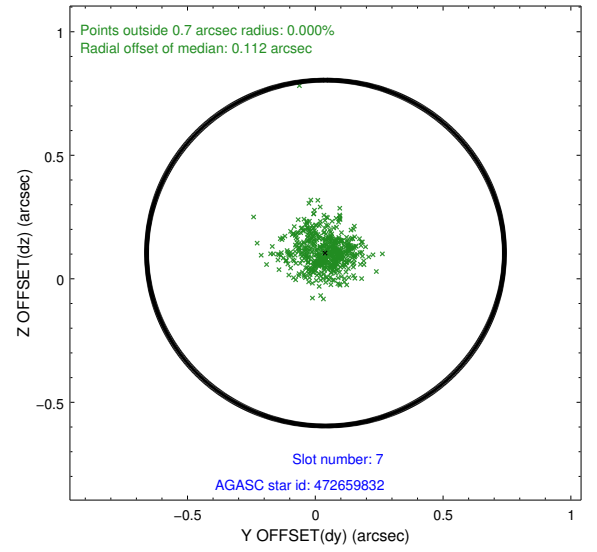
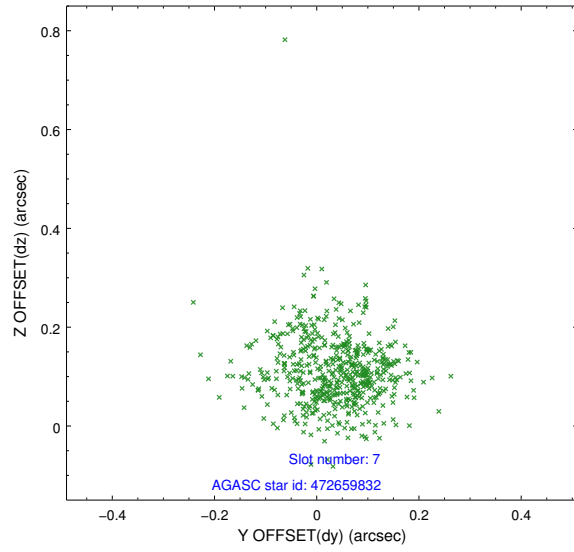
2.4.3 Slot 5



2.4.4 Slot 6

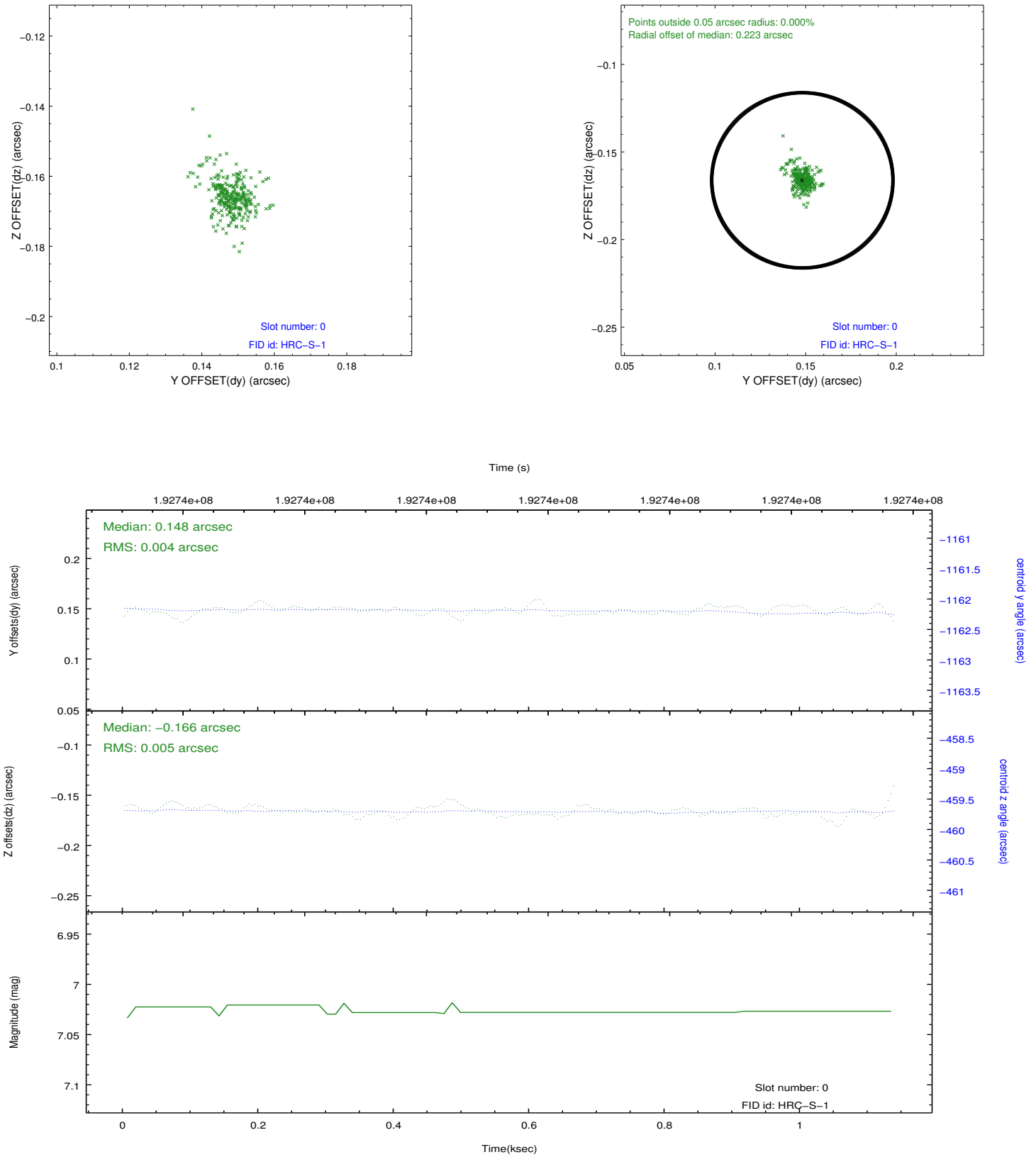


2.4.5 Slot 7

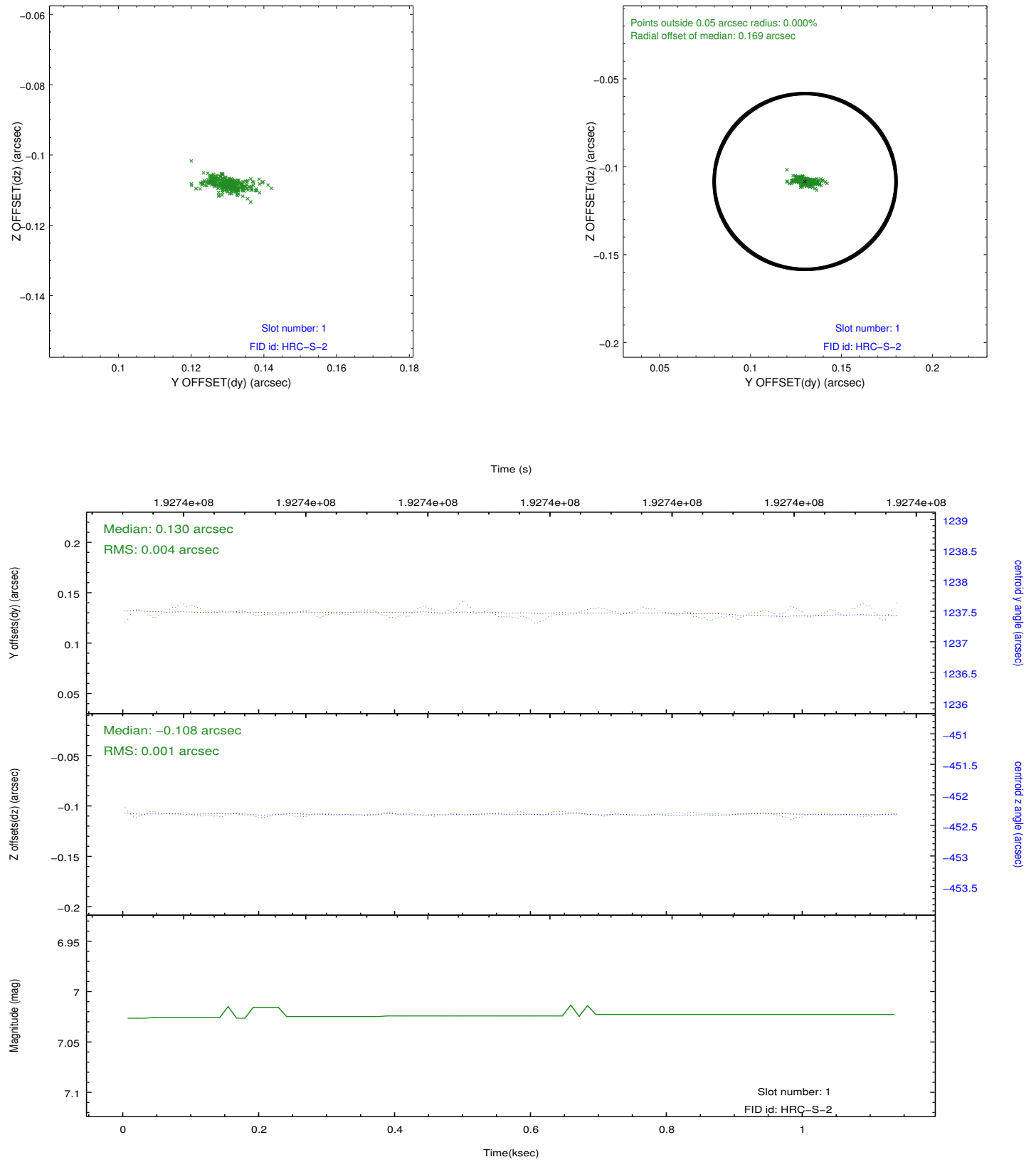


2.5 FID Slots

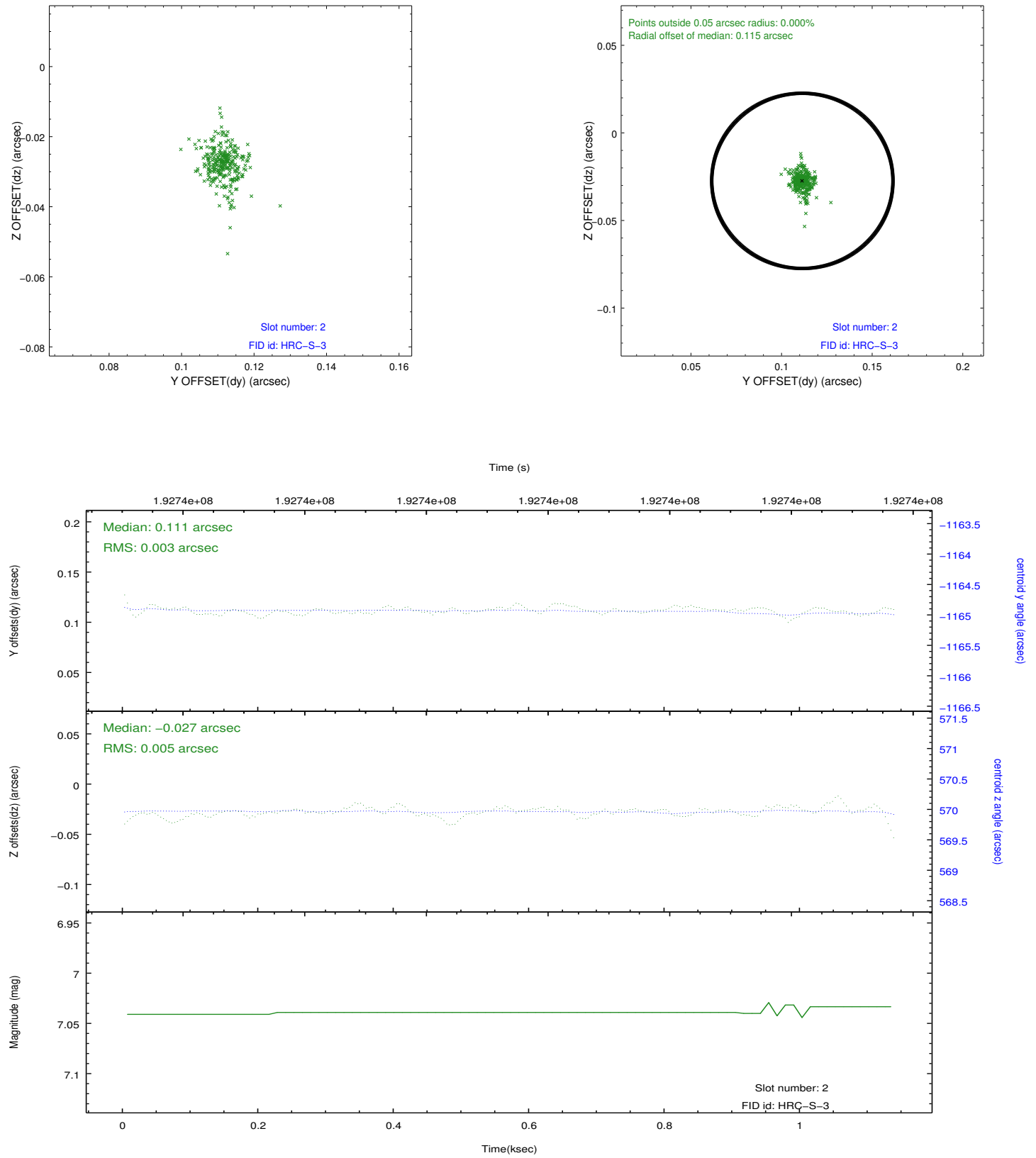
2.5.1 Slot 0



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	1.087

A.2 Comments