

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 5114 - L2 Version 3
Chandra X-Ray Center

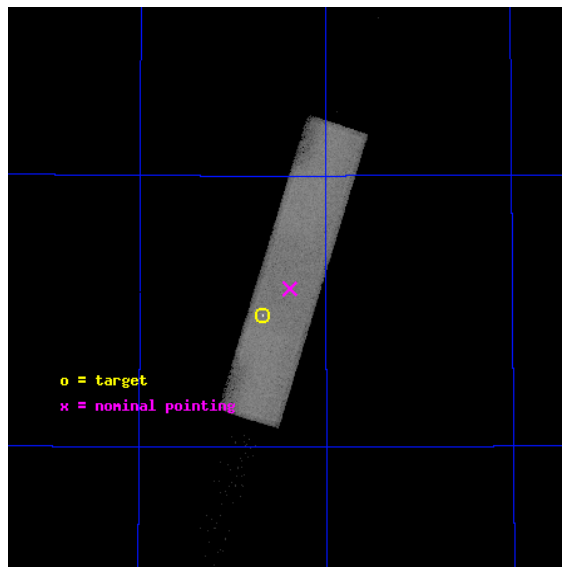
L2 Processing Date : Dec 11 2012

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

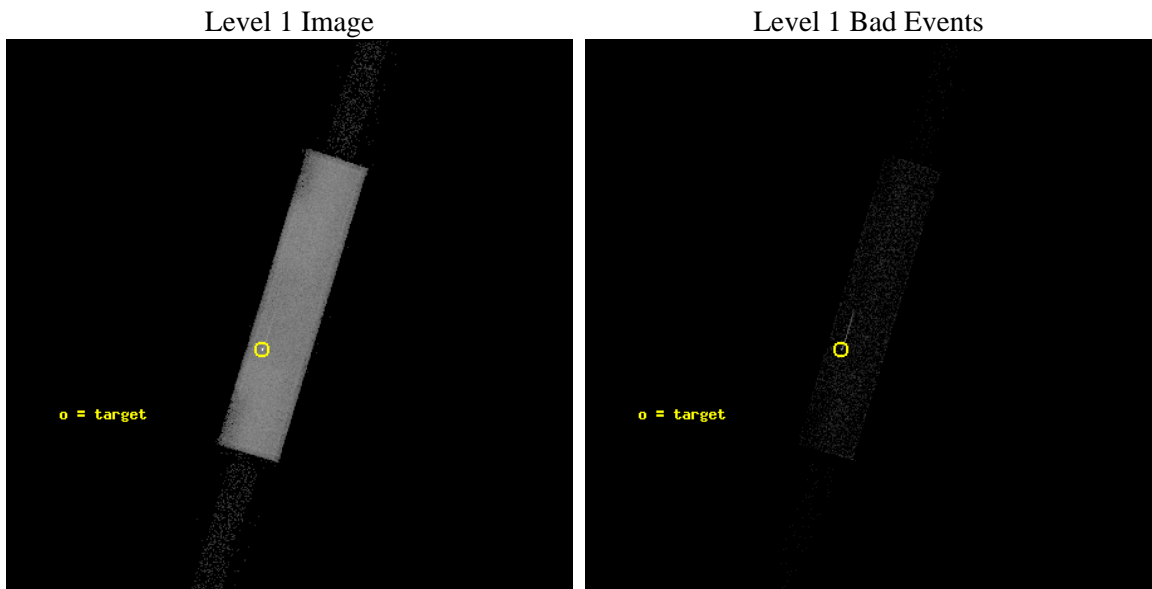
seq_num	290387	Sequence number
obs_id	5114	Observation id
title	AO5B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.0973484907	Nominal RA [deg]
dec_nom	45.791636223728	Nominal Dec [deg]
roll_nom	287.05611627976	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1059.0812976062	[s]
livetime	782.70464722147	Ontime multiplied by DTCOR
l2events	171793	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	900.000000	[s] Scheduled observation exposure time
ascdsver	8.5	Processing system revision	ontime	1059.0812976062	[s]
caldsver	4.5.4	 	l1events	230794	Number of level 1 events
date	2012-12-12T00:12:07	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

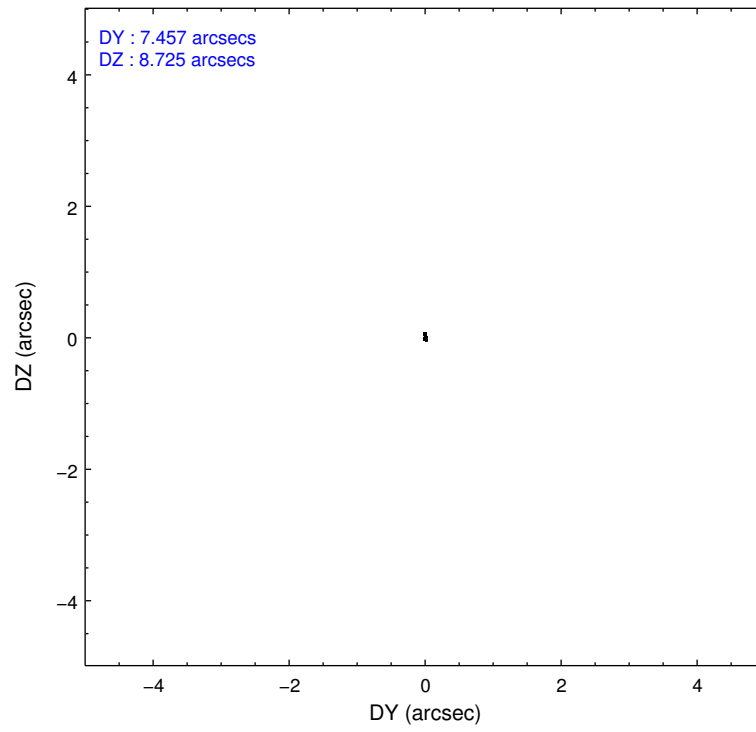
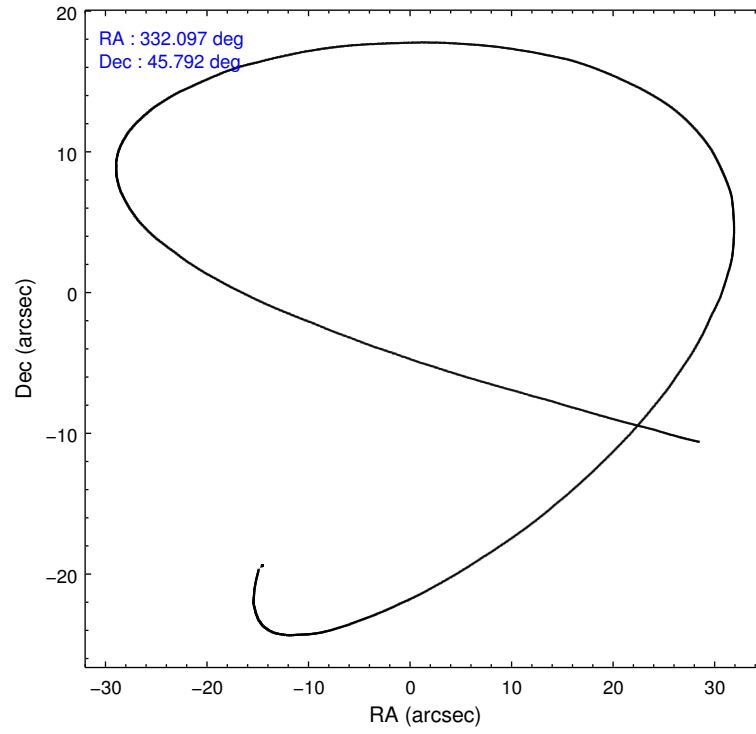
Level 1 Events

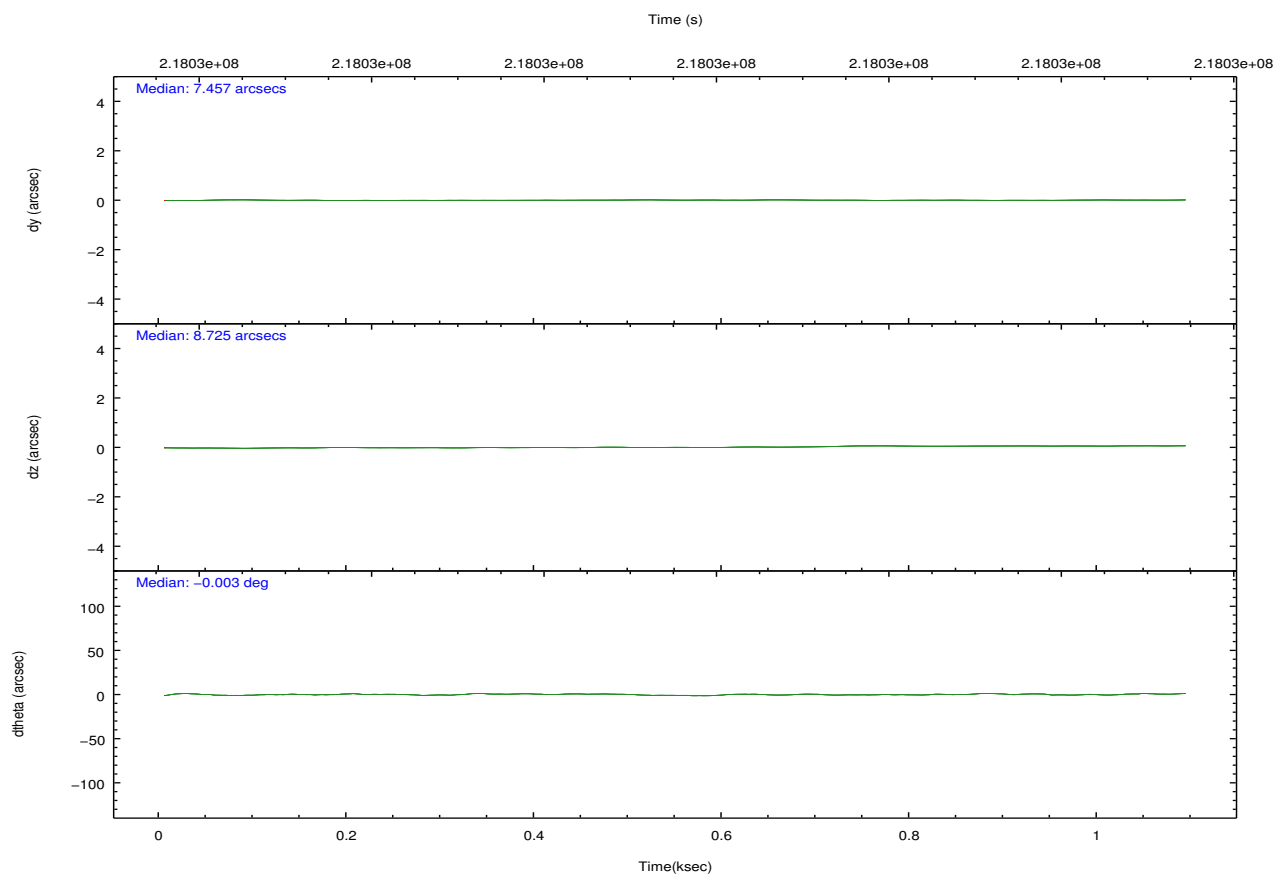
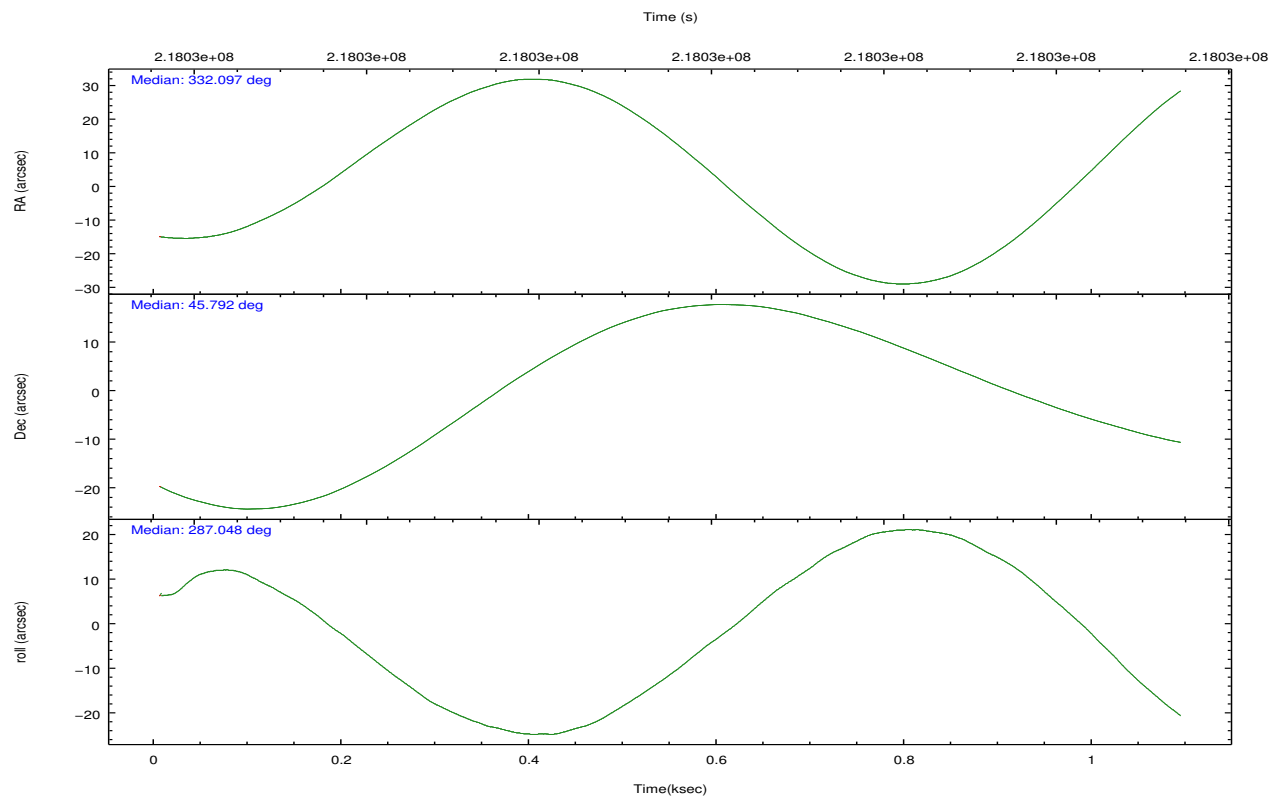
	segment 1	segment 2	segment 3
level 1 events	1763	227624	1407
rejected events	1755	45607	1293
rejected %	99%	20%	91%

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	332.066810	332.0973484906956			
[deg] Pointing Dec	45.810250	45.79163622372829			
[deg] Pointing Roll	287.010755	287.0561162797623			
[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)	218025603.184000	218025226.66899			
Observation start date	2004-11-28T10:38:59	2004-11-28T10:33:46			
[s] Observation end time (MET)	218026503.184000	218026637.06905			
Observation end date	2004-11-28T10:53:59	2004-11-28T10:57:17			

2.3 Aspect



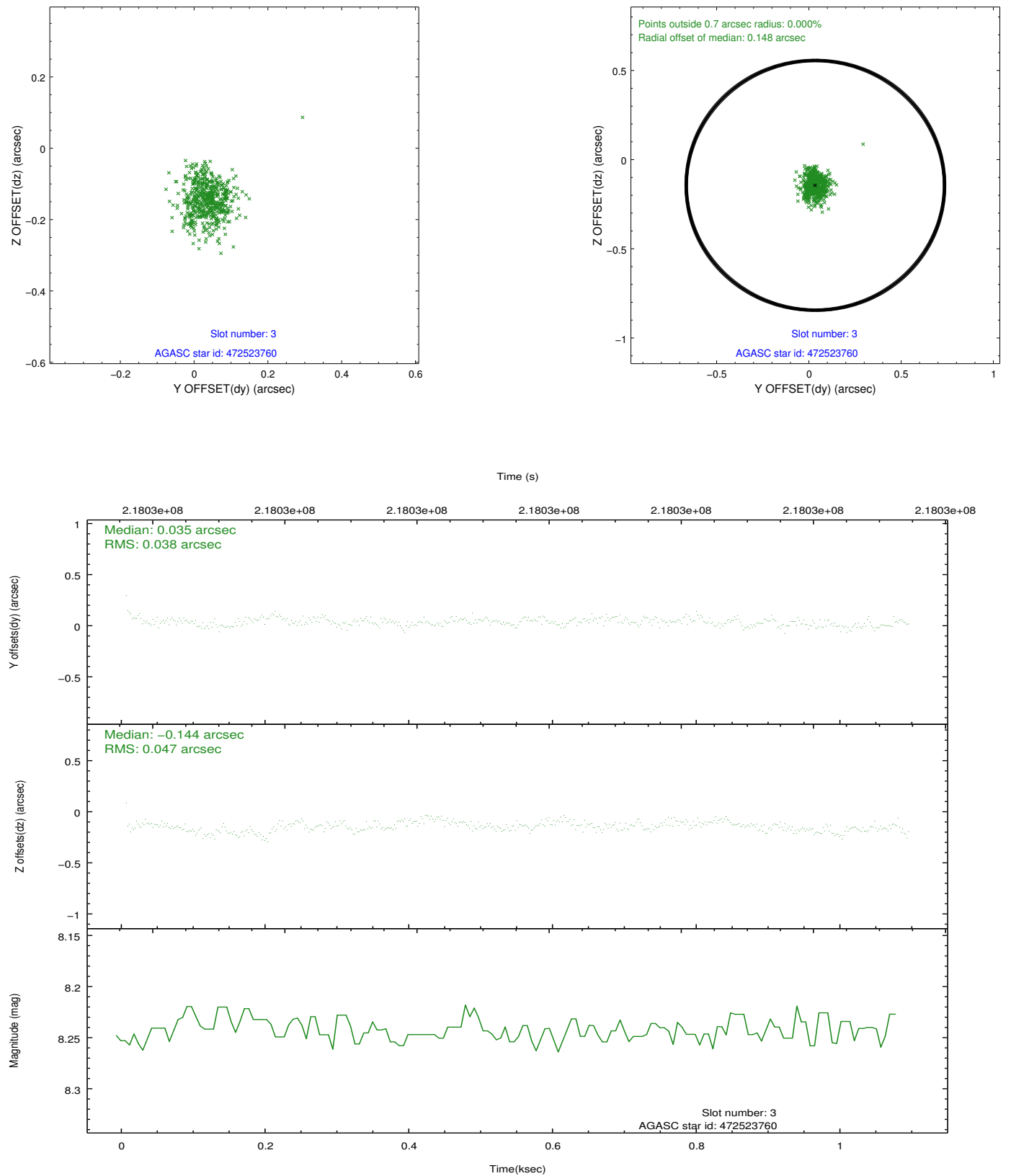


Slot Statistics

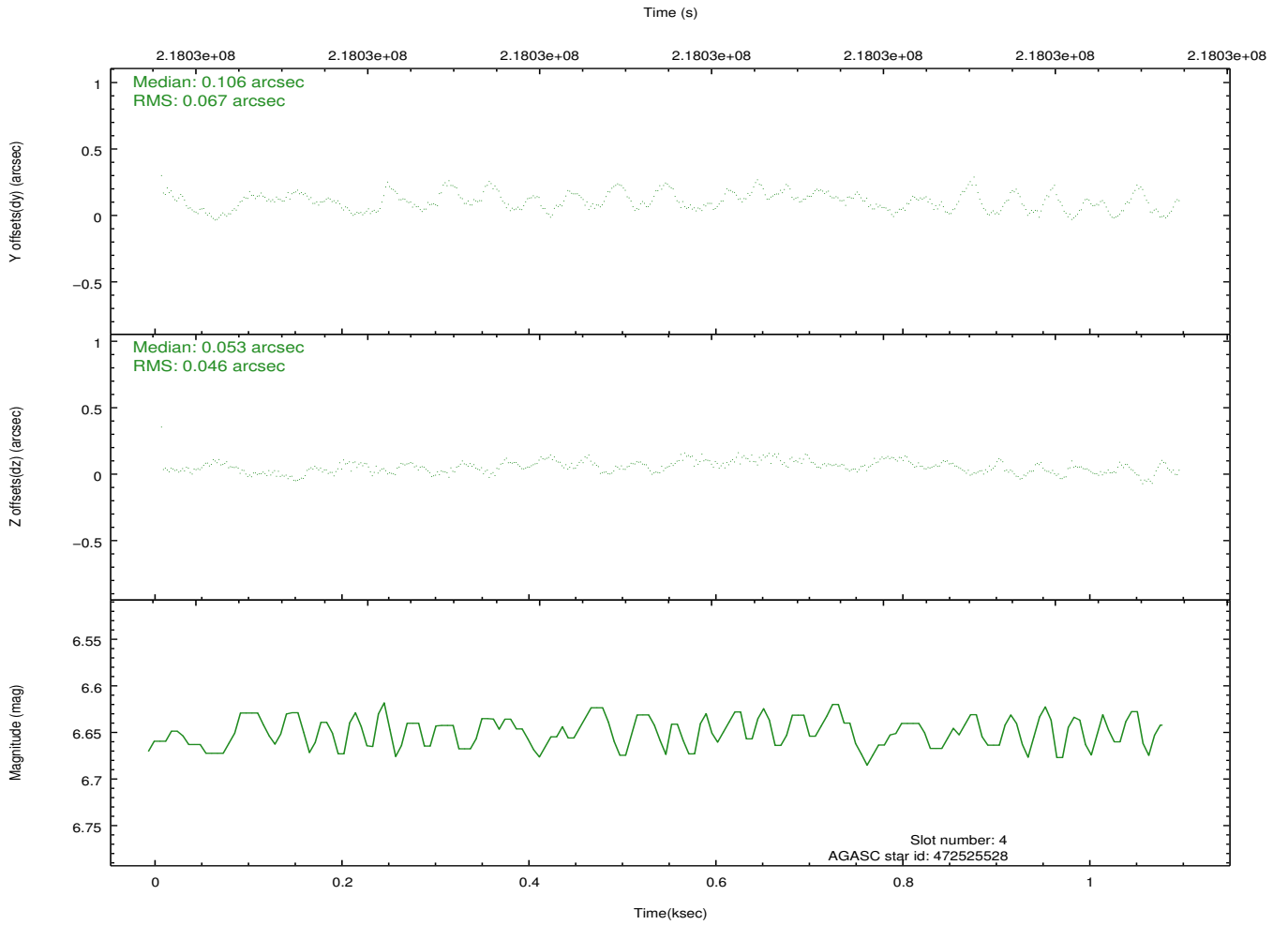
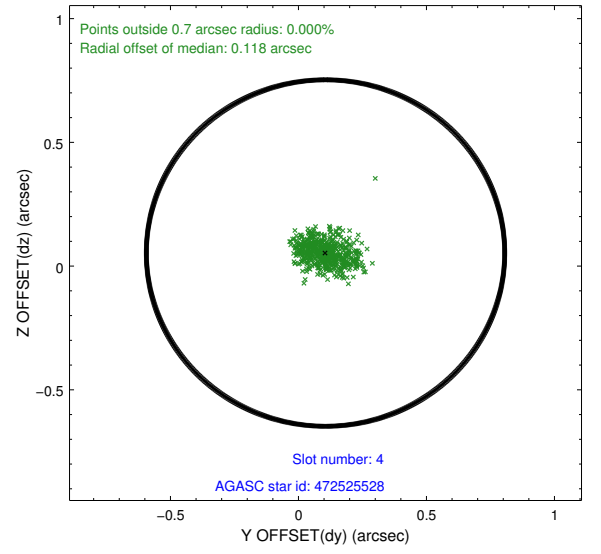
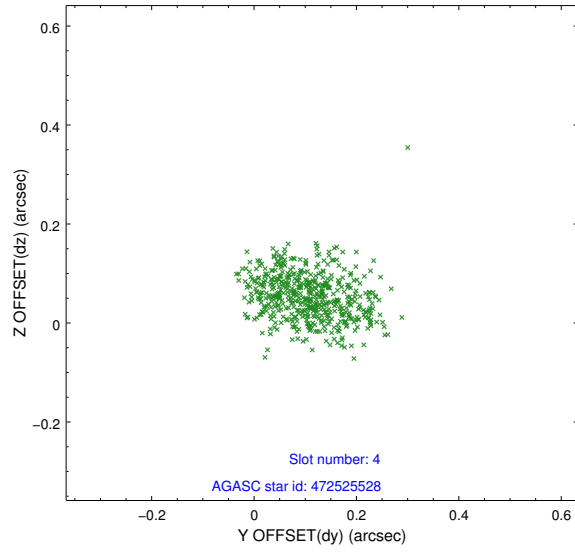
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.04	266	0.138	-0.146	0.006	0.011	0.000000	0.000000	-1161.61	-457.37
1	FID	HRC-S-2	7.03	266	0.161	-0.117	0.005	0.010	0.000000	0.000000	1233.73	-451.71
2	FID	HRC-S-3	7.05	266	0.090	-0.039	0.007	0.013	0.000000	0.000000	-1159.74	570.56
3	GUIDE	472523760	8.24	532	0.035	-0.144	0.063	0.105	331.645363	45.403260	1087.30	-1444.01
4	GUIDE	472525528	6.65	532	0.106	0.053	0.089	0.133	331.551102	45.248694	1549.49	-1840.05
5	GUIDE	472535576	7.85	532	-0.152	-0.016	0.062	0.099	331.438373	46.291802	-2117.80	-987.23
6	GUIDE	472655152	9.43	532	-0.023	0.062	0.111	0.191	332.504239	45.862991	132.55	1105.80
7	GUIDE	472659832	9.47	531	0.039	0.042	0.118	0.202	332.780399	46.098139	-477.28	2013.52

2.4 Star Slots

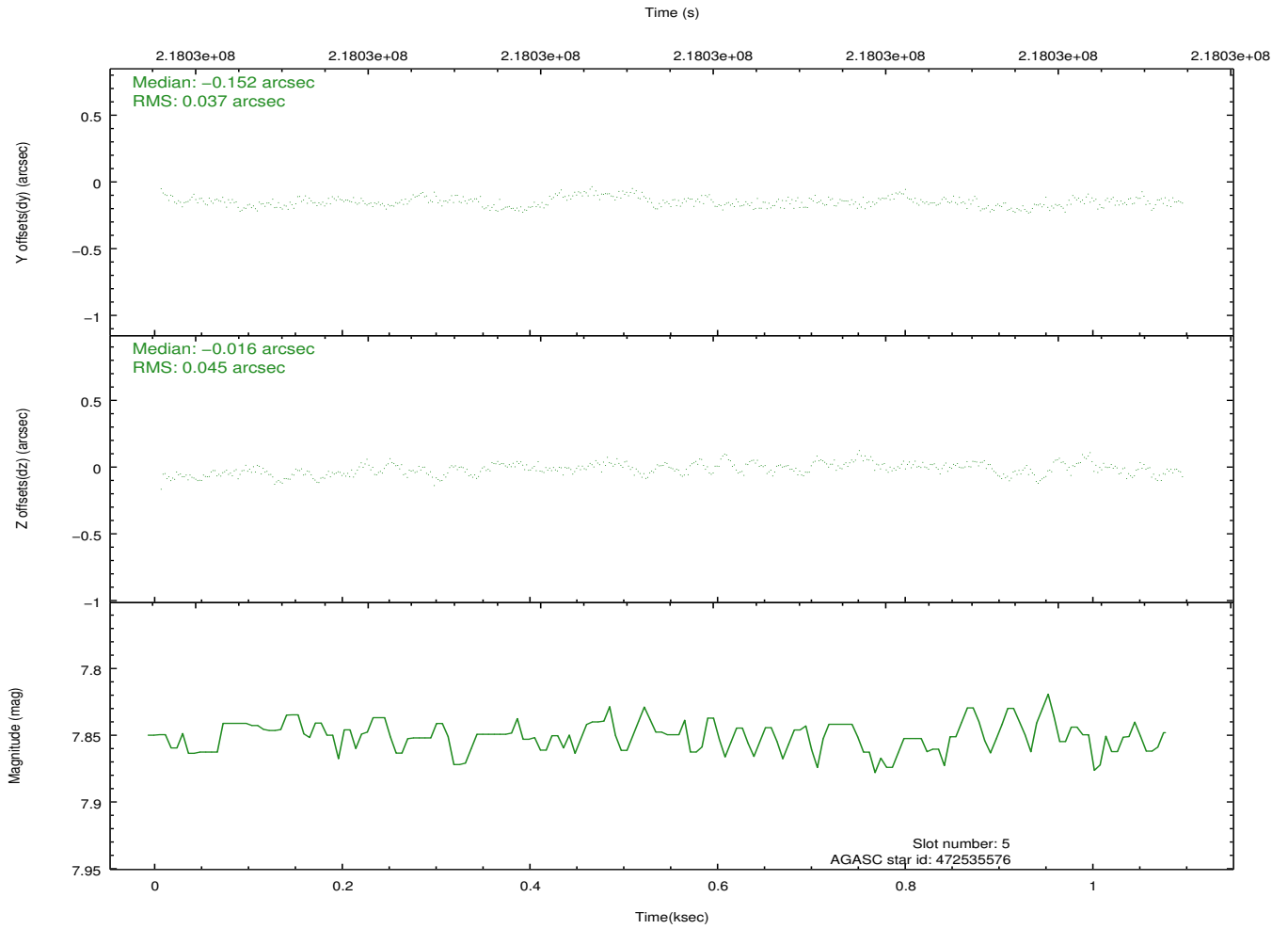
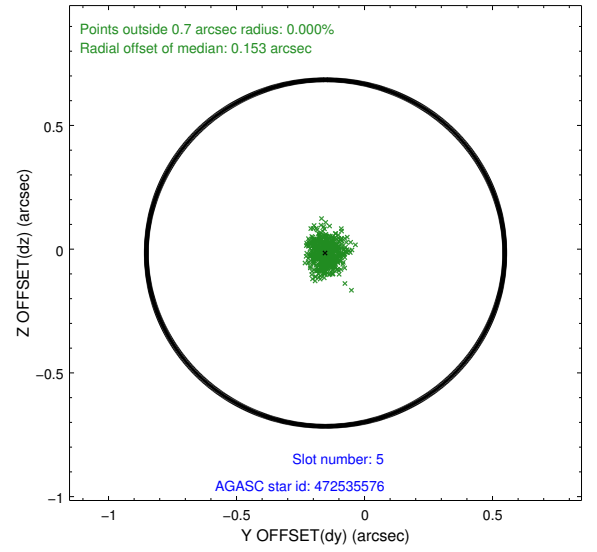
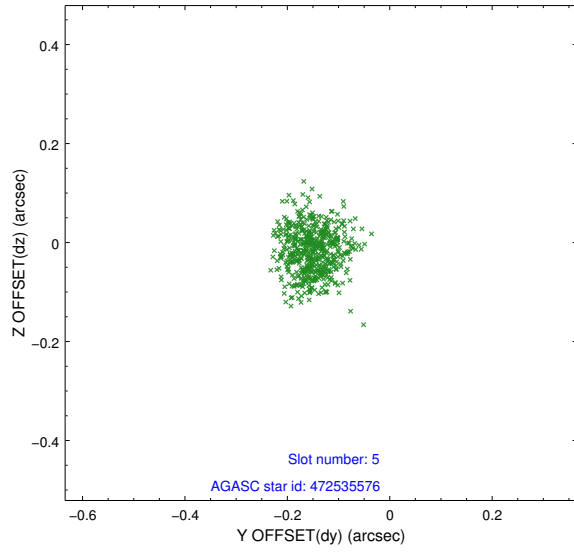
2.4.1 Slot 3



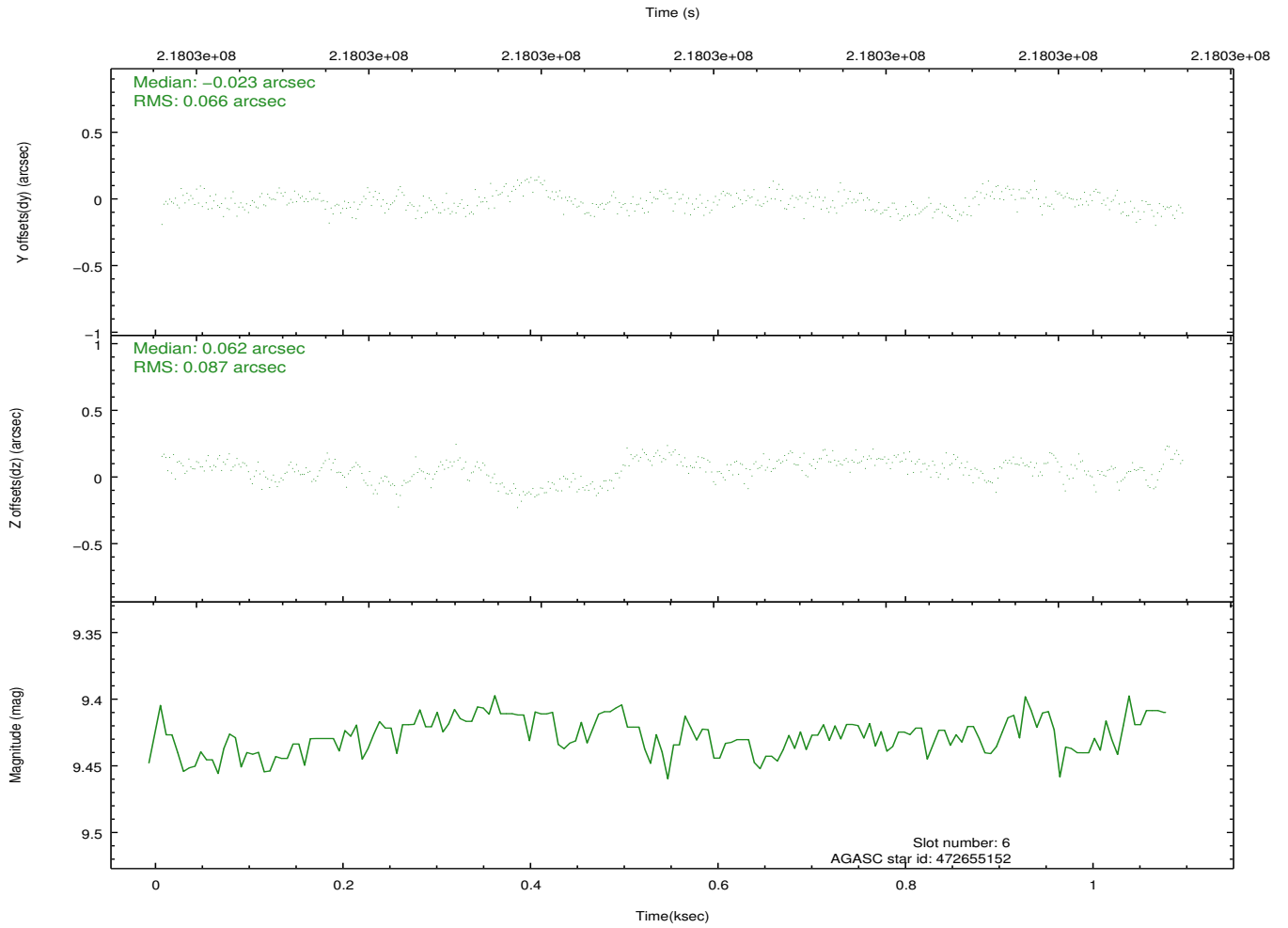
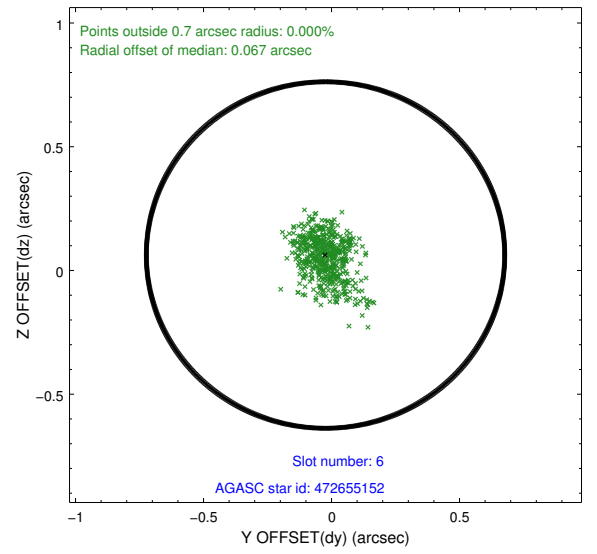
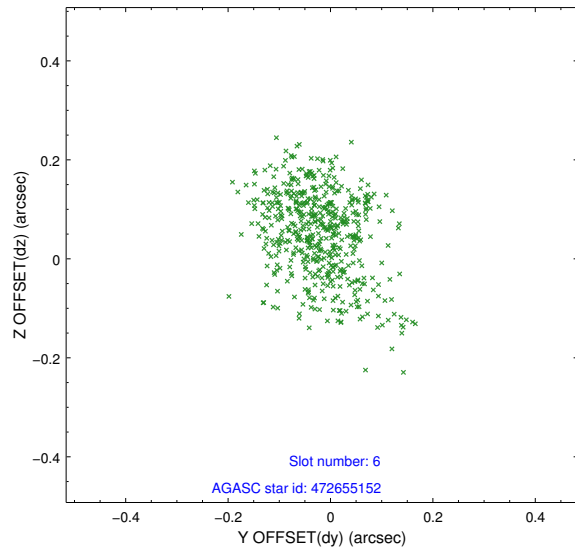
2.4.2 Slot 4



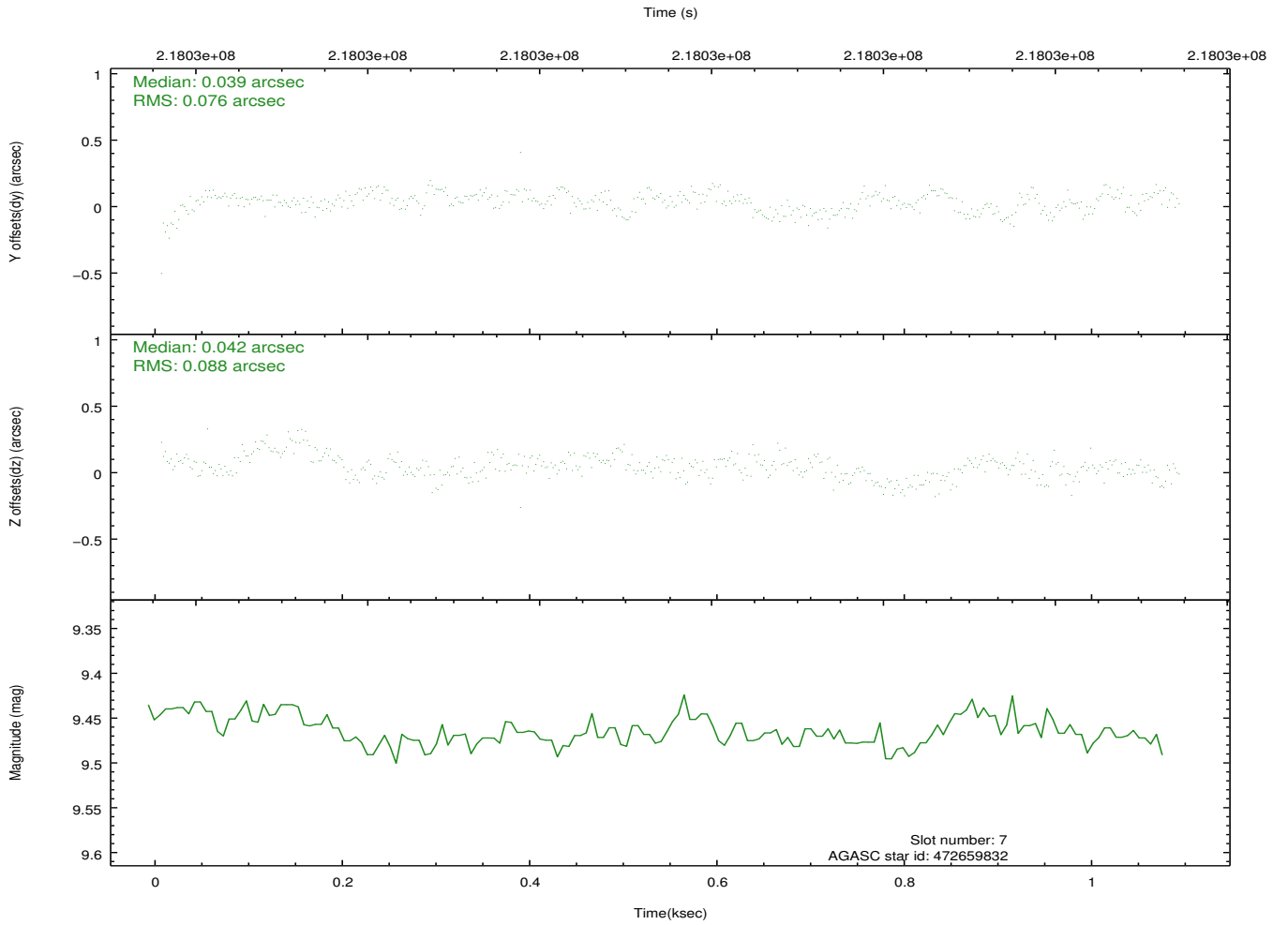
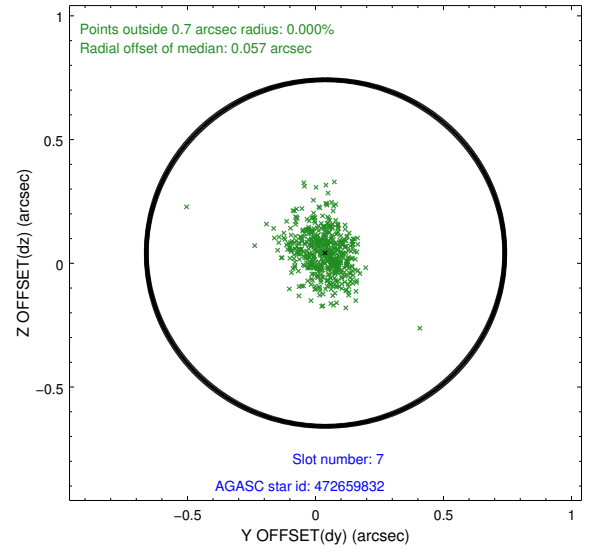
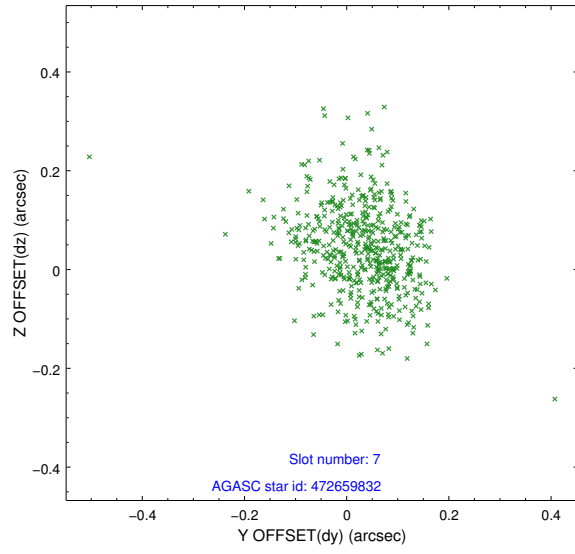
2.4.3 Slot 5



2.4.4 Slot 6

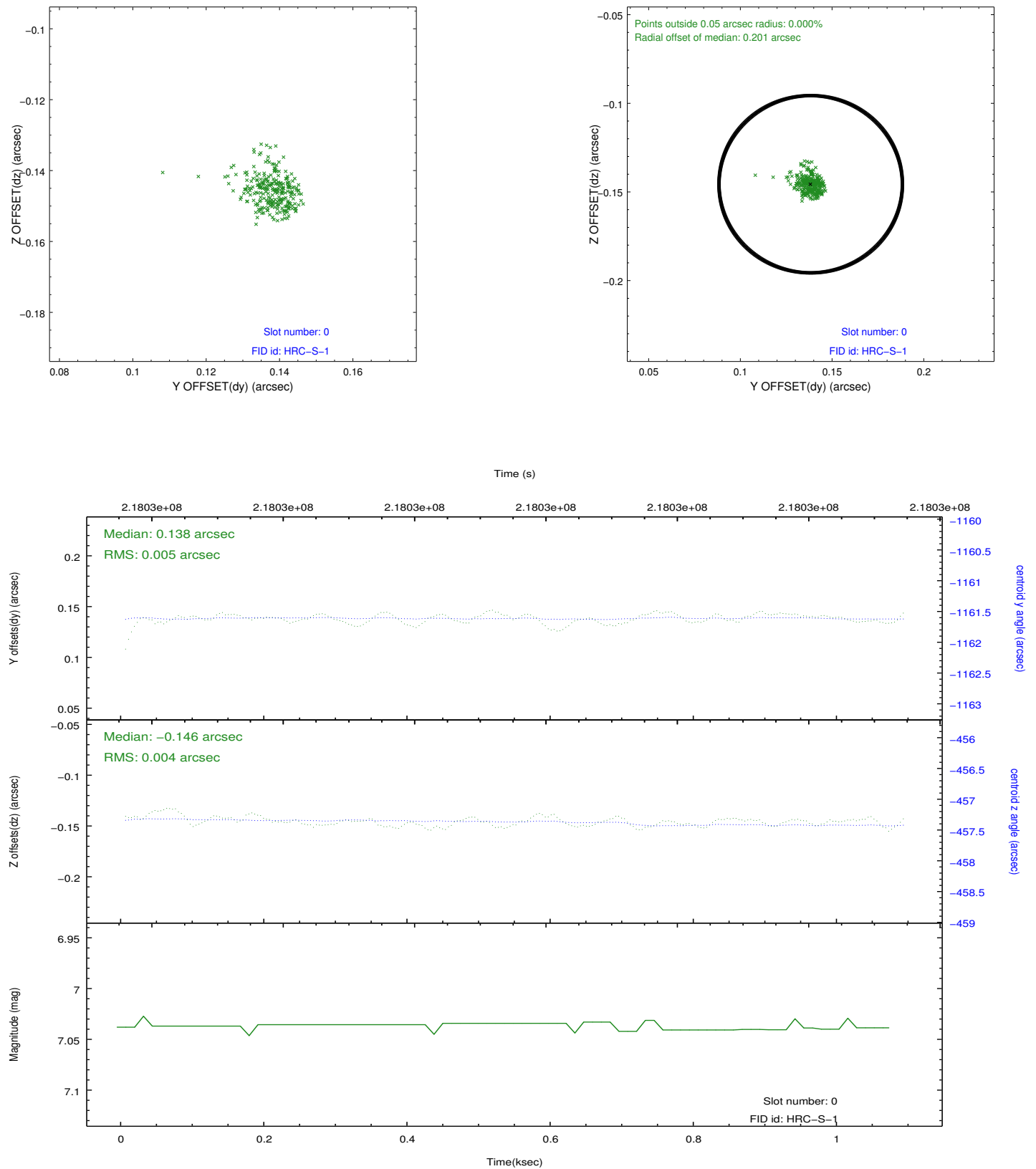


2.4.5 Slot 7

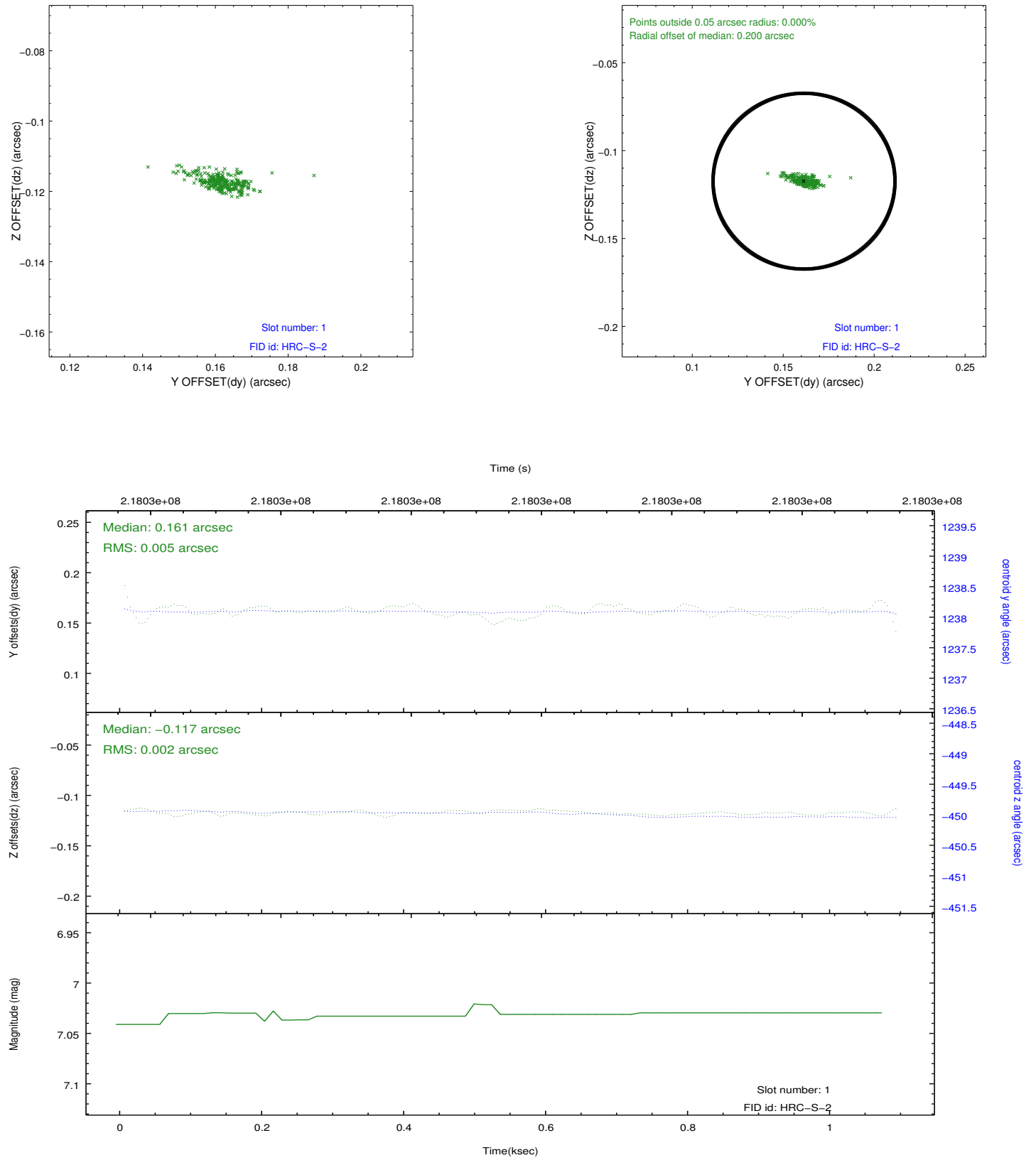


2.5 FID Slots

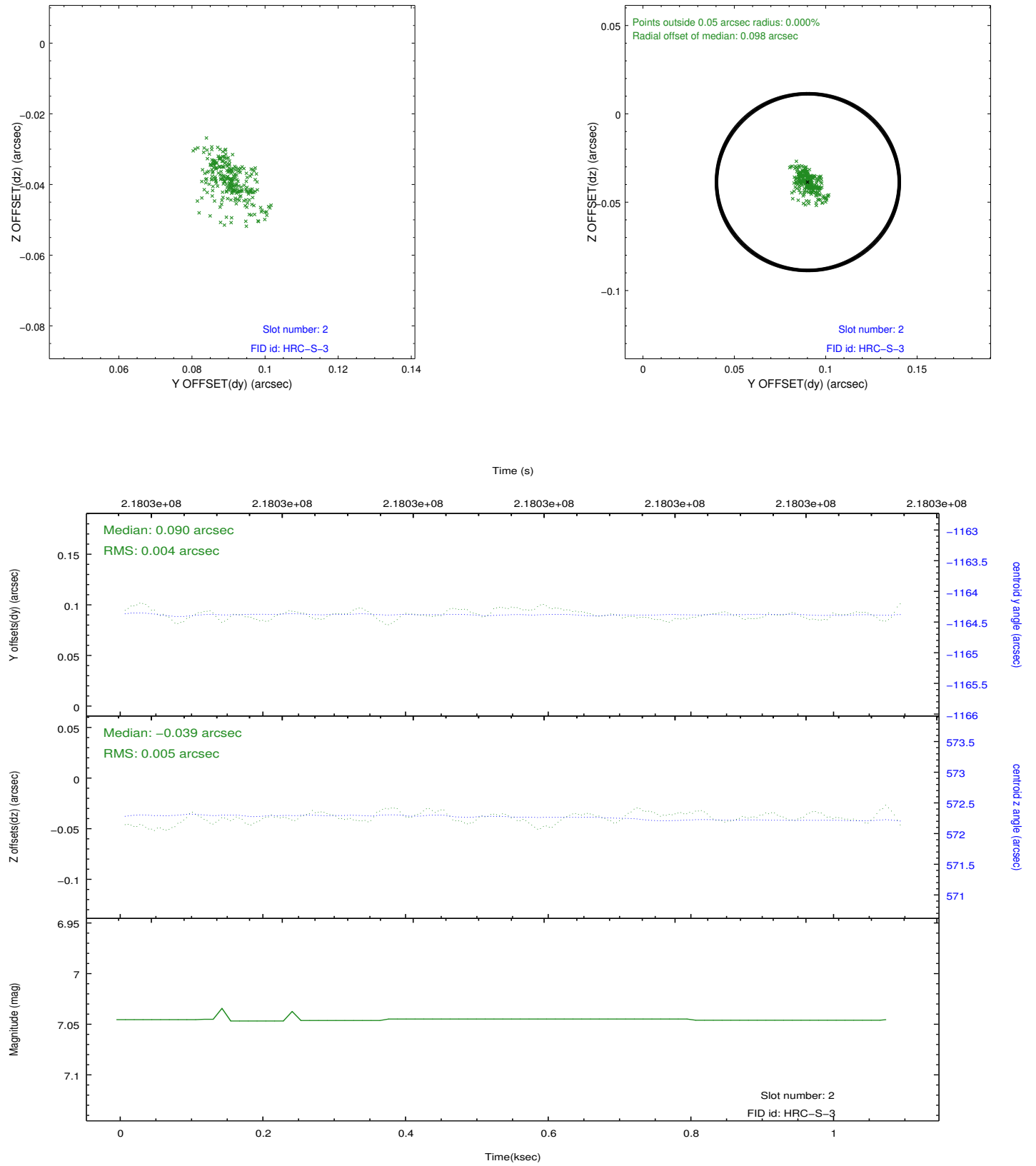
2.5.1 Slot 0



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)	2013.01.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.059081

A.2 Comments