

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 5109 - L2 Version 3
Chandra X-Ray Center

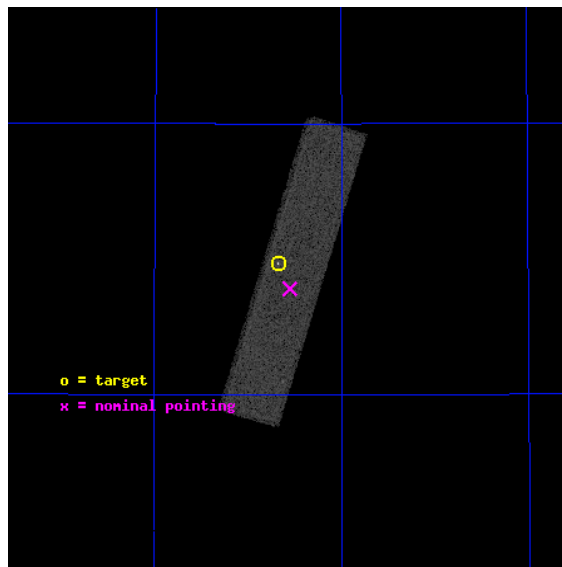
L2 Processing Date : Dec 11 2012

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

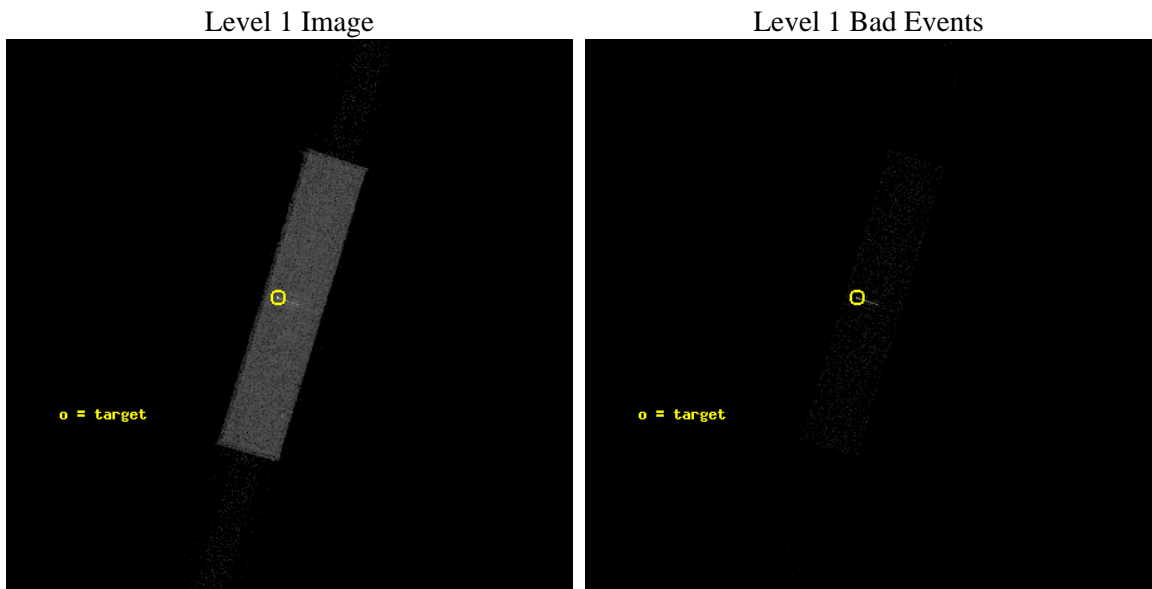
seq_num	290382	Sequence number
obs_id	5109	Observation id
title	AO5B Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.13840901269	Nominal RA [deg]
dec_nom	45.695855603713	Nominal Dec [deg]
roll_nom	286.97912197744	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1050.6250472069	[s]
livetime	1043.2848076814	Ontime multiplied by DTCOR
l2events	52226	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	1050.6250472069	[s]
caldbver	4.5.4	 	l1events	85382	Number of level 1 events
date	2012-12-12T00:10:58	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

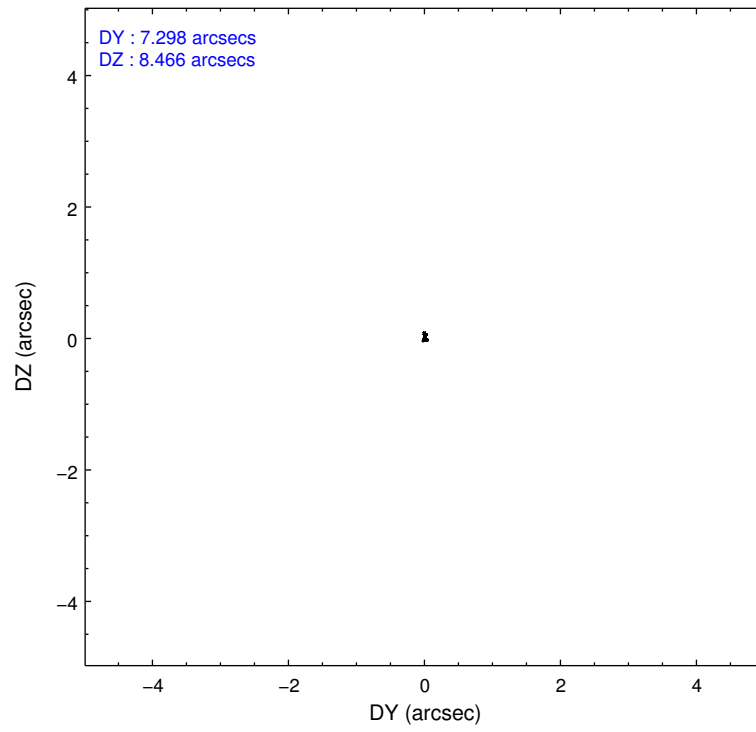
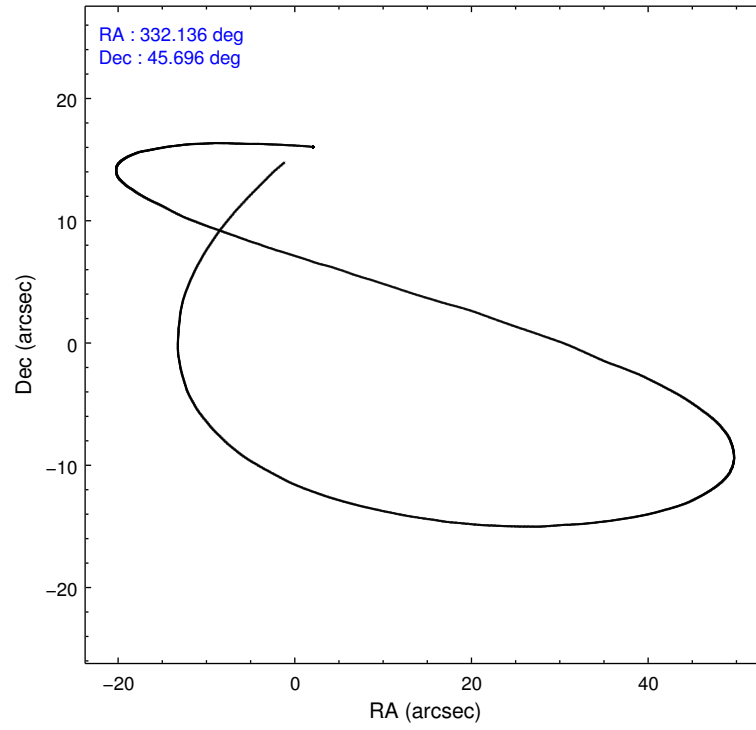
Level 1 Events

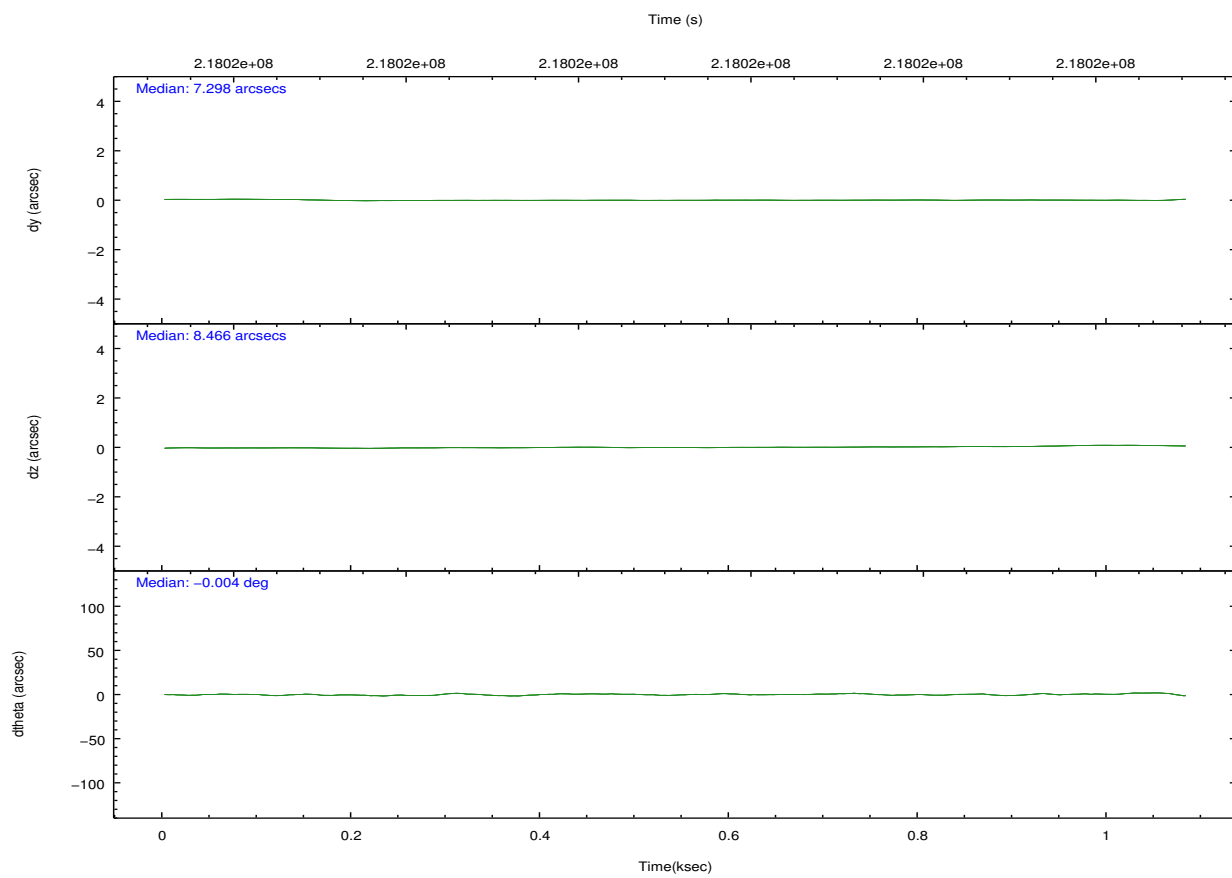
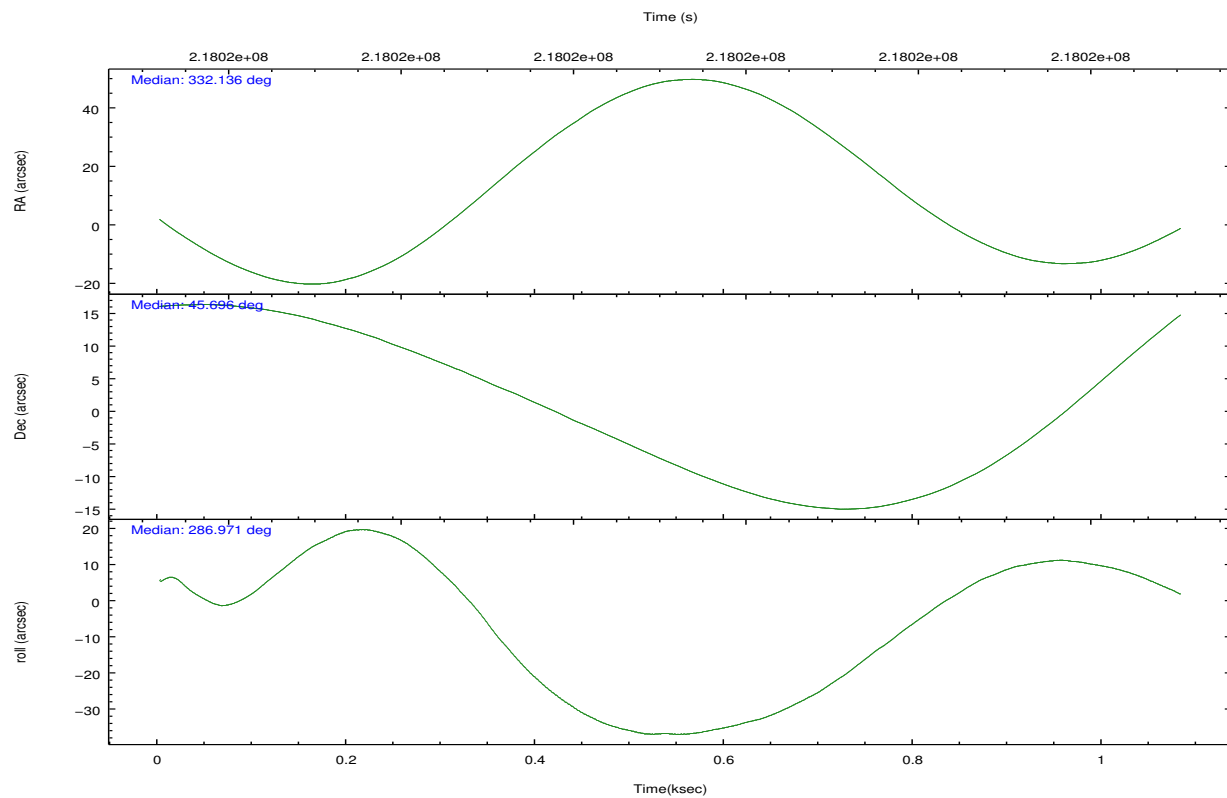
	segment 1	segment 2	segment 3
level 1 events	742	83891	749
rejected events	742	20821	749
rejected %	100%	24%	100%

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	332.108674	332.1384090126929			
[deg] Pointing Dec	45.714654	45.69585560371267			
[deg] Pointing Roll	286.933049	286.9791219774444			
[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)	218018553.184000	218018176.71867			
Observation start date	2004-11-28T08:41:29	2004-11-28T08:36:16			
[s] Observation end time (MET)	218019453.184000	218019587.11874			
Observation end date	2004-11-28T08:56:29	2004-11-28T08:59:47			

2.3 Aspect



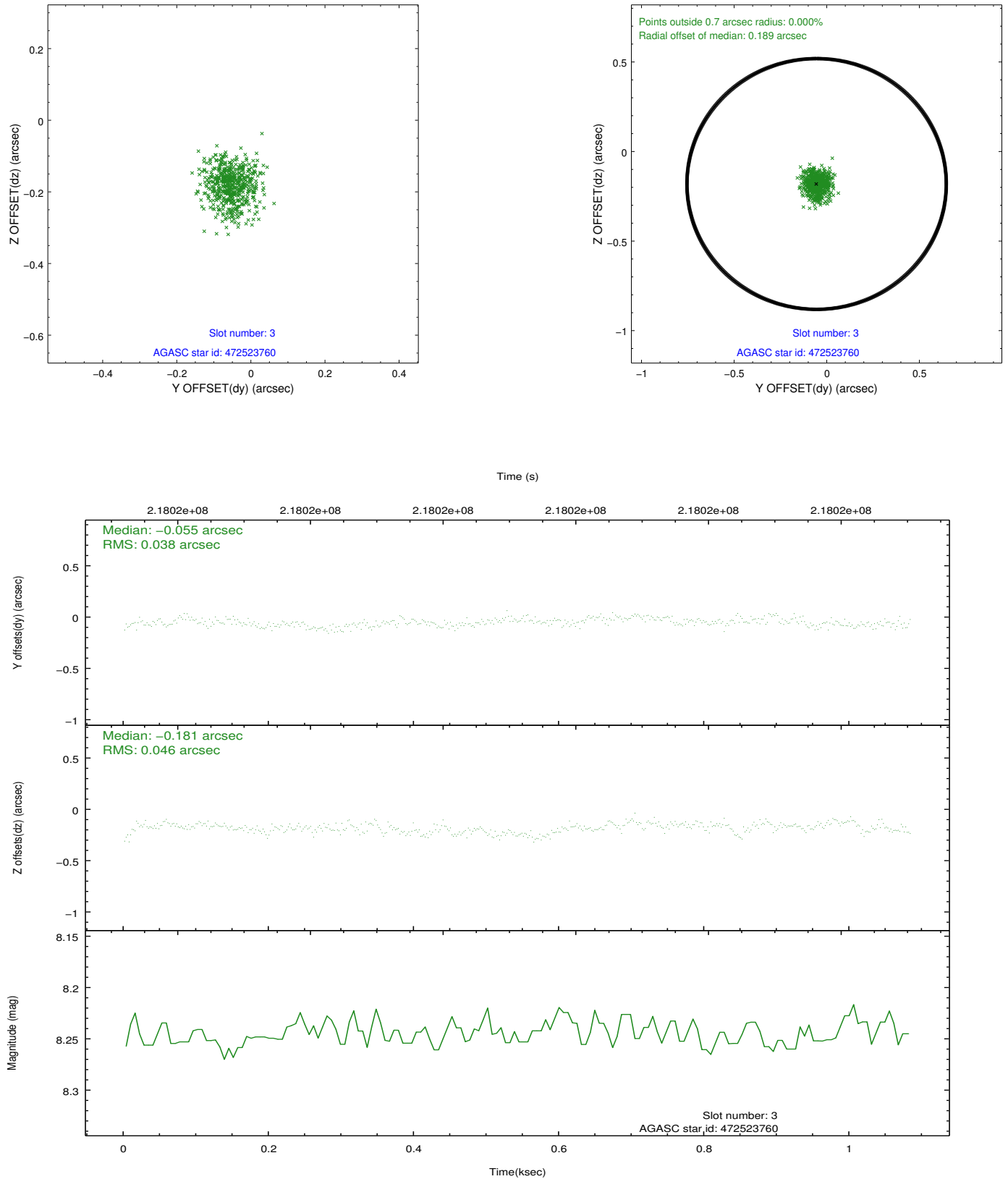


Slot Statistics

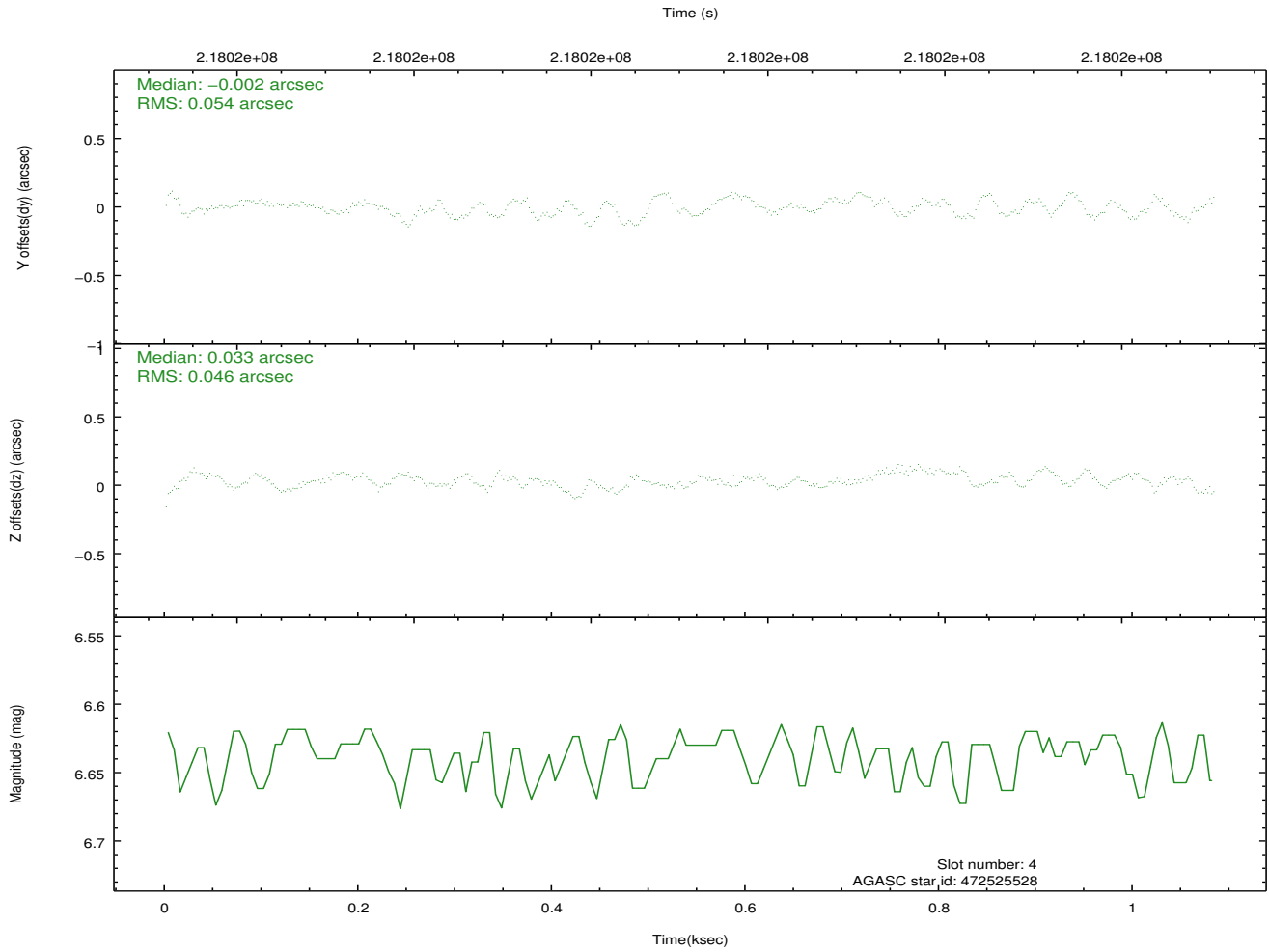
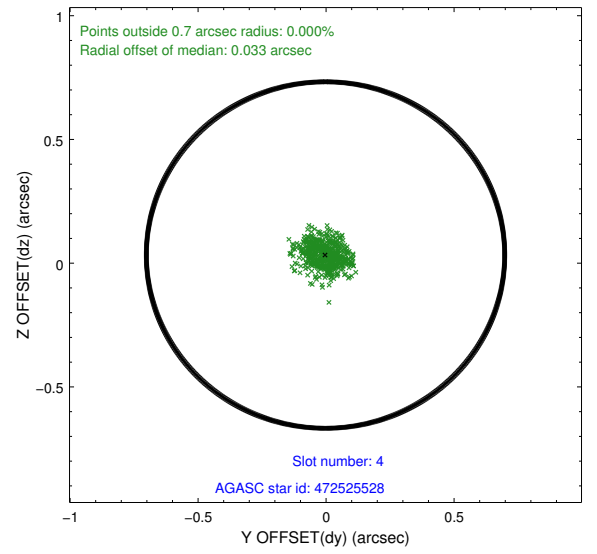
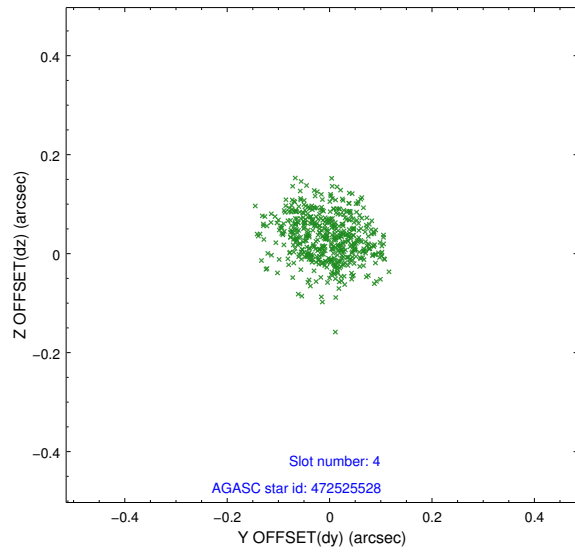
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.04	264	0.128	-0.144	0.006	0.013	0.000000	0.000000	-1161.46	-457.10
1	FID	HRC-S-2	7.04	264	0.164	-0.114	0.005	0.009	0.000000	0.000000	1233.86	-451.43
2	FID	HRC-S-3	7.04	263	0.097	-0.044	0.006	0.012	0.000000	0.000000	-1159.53	570.81
3	GUIDE	472523760	8.24	529	-0.055	-0.181	0.064	0.101	331.645363	45.403260	728.65	-1441.67
4	GUIDE	472525528	6.64	529	-0.002	0.033	0.076	0.122	331.551102	45.248694	1190.48	-1837.29
5	GUIDE	472654568	9.45	529	0.105	0.040	0.115	0.189	332.194449	45.063576	2308.43	-472.78
6	GUIDE	472655152	9.44	527	0.020	0.097	0.098	0.159	332.504239	45.862991	-219.86	1108.33
7	GUIDE	472659832	9.46	528	-0.064	0.020	0.111	0.186	332.780399	46.098139	-839.61	2014.52

2.4 Star Slots

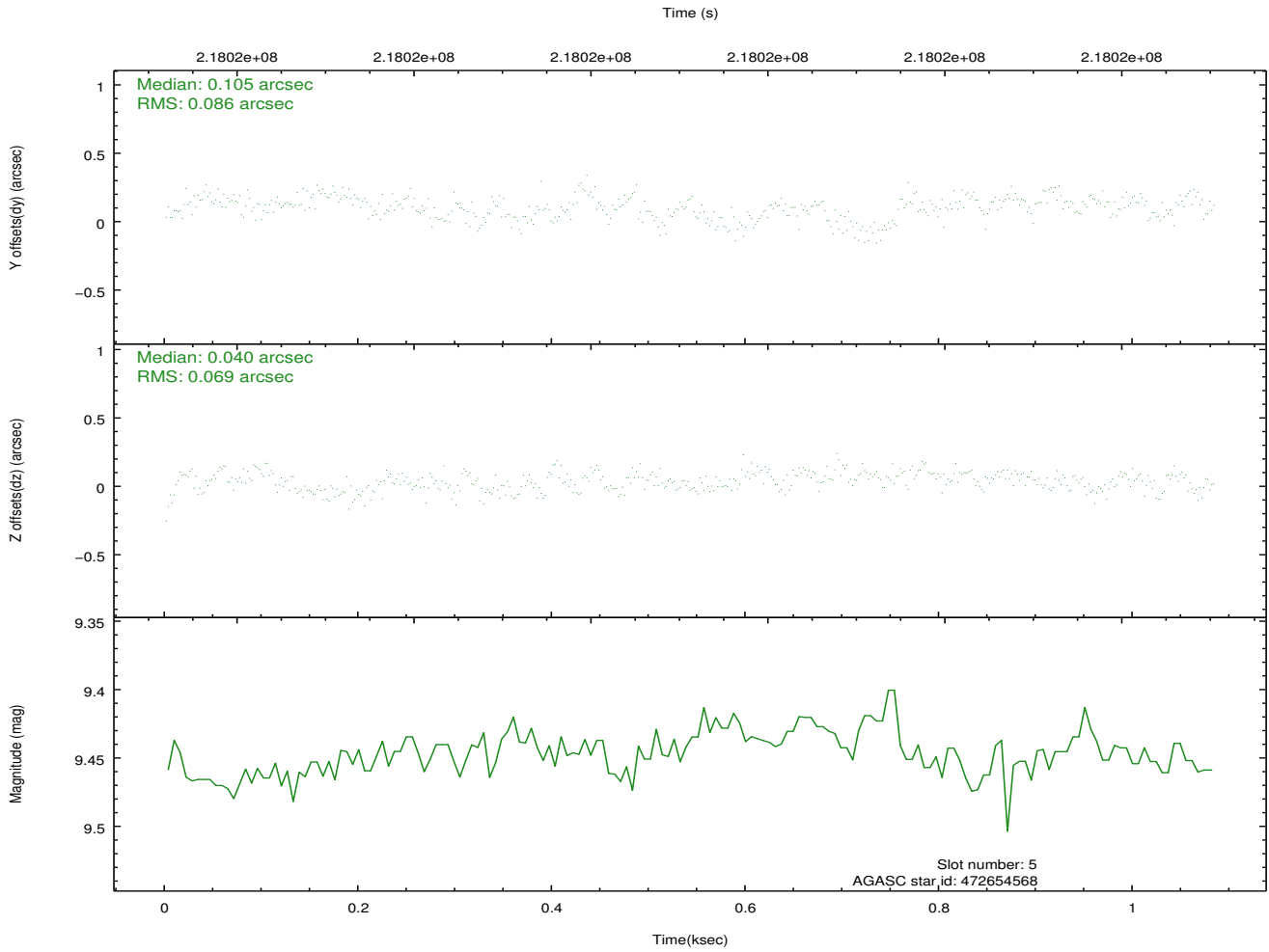
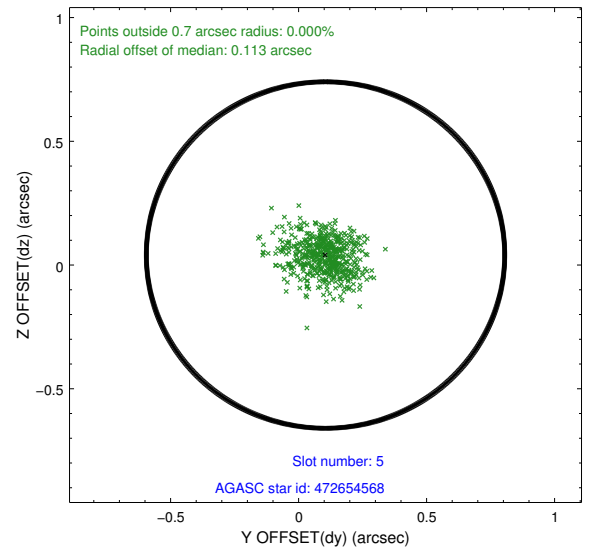
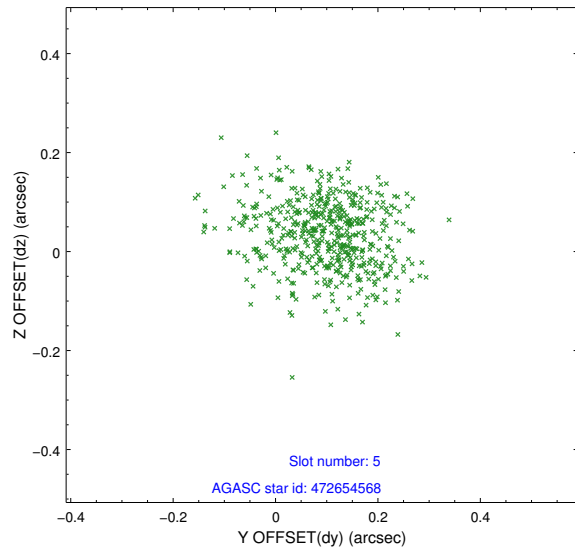
2.4.1 Slot 3



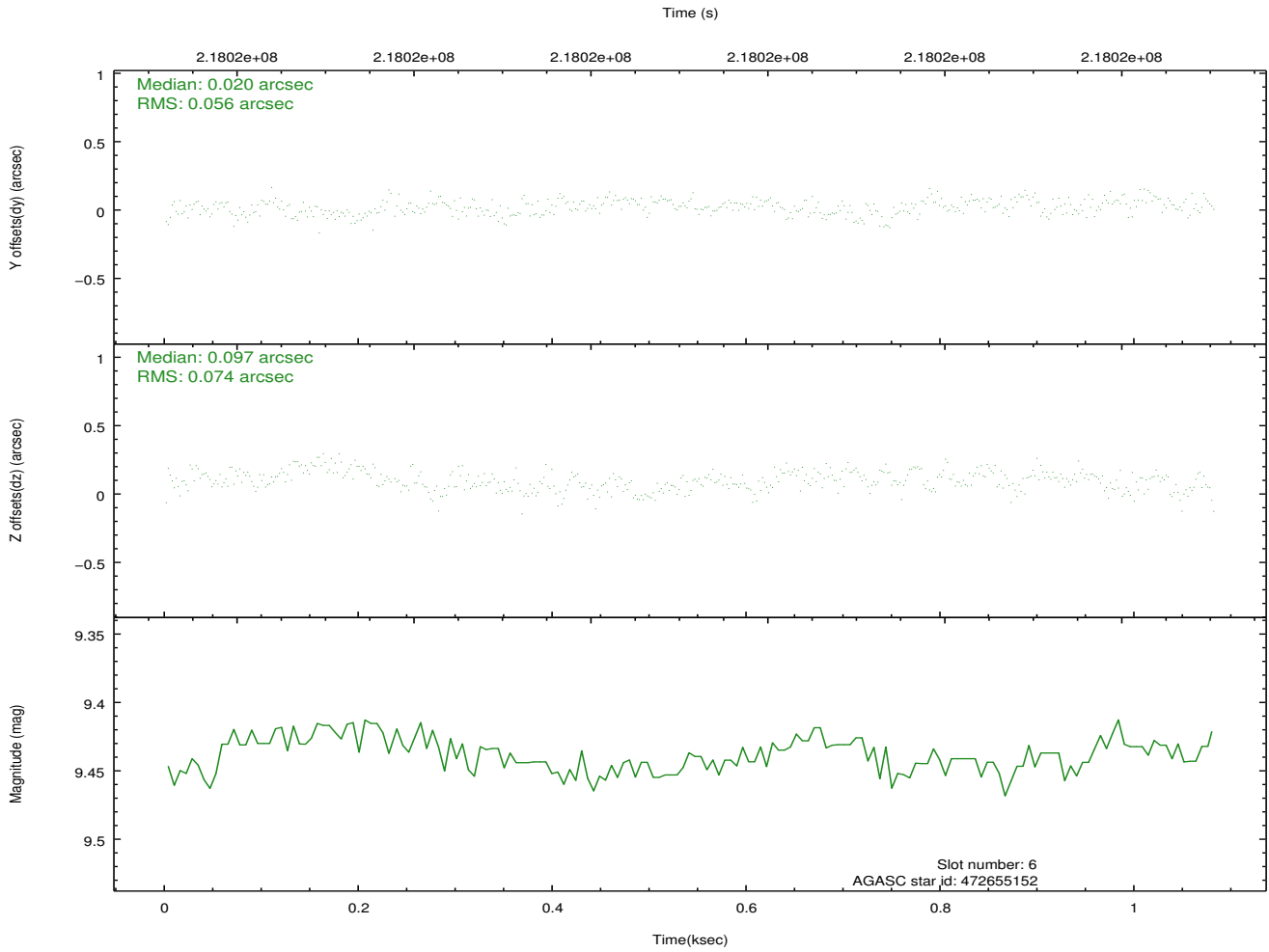
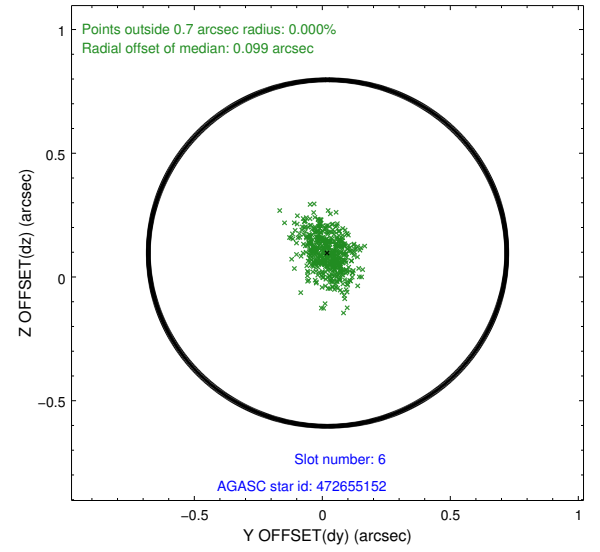
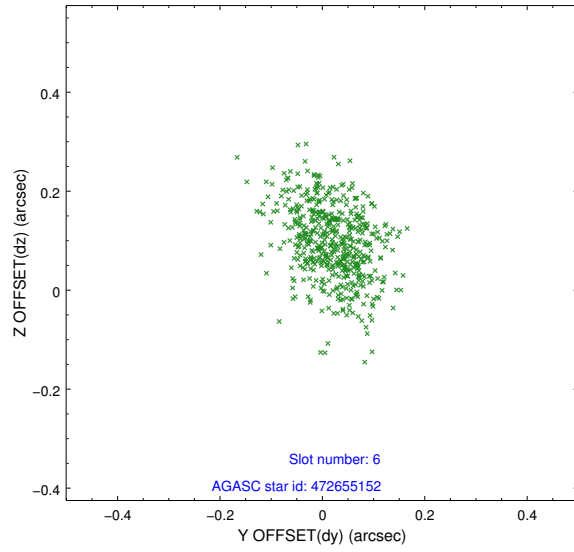
2.4.2 Slot 4



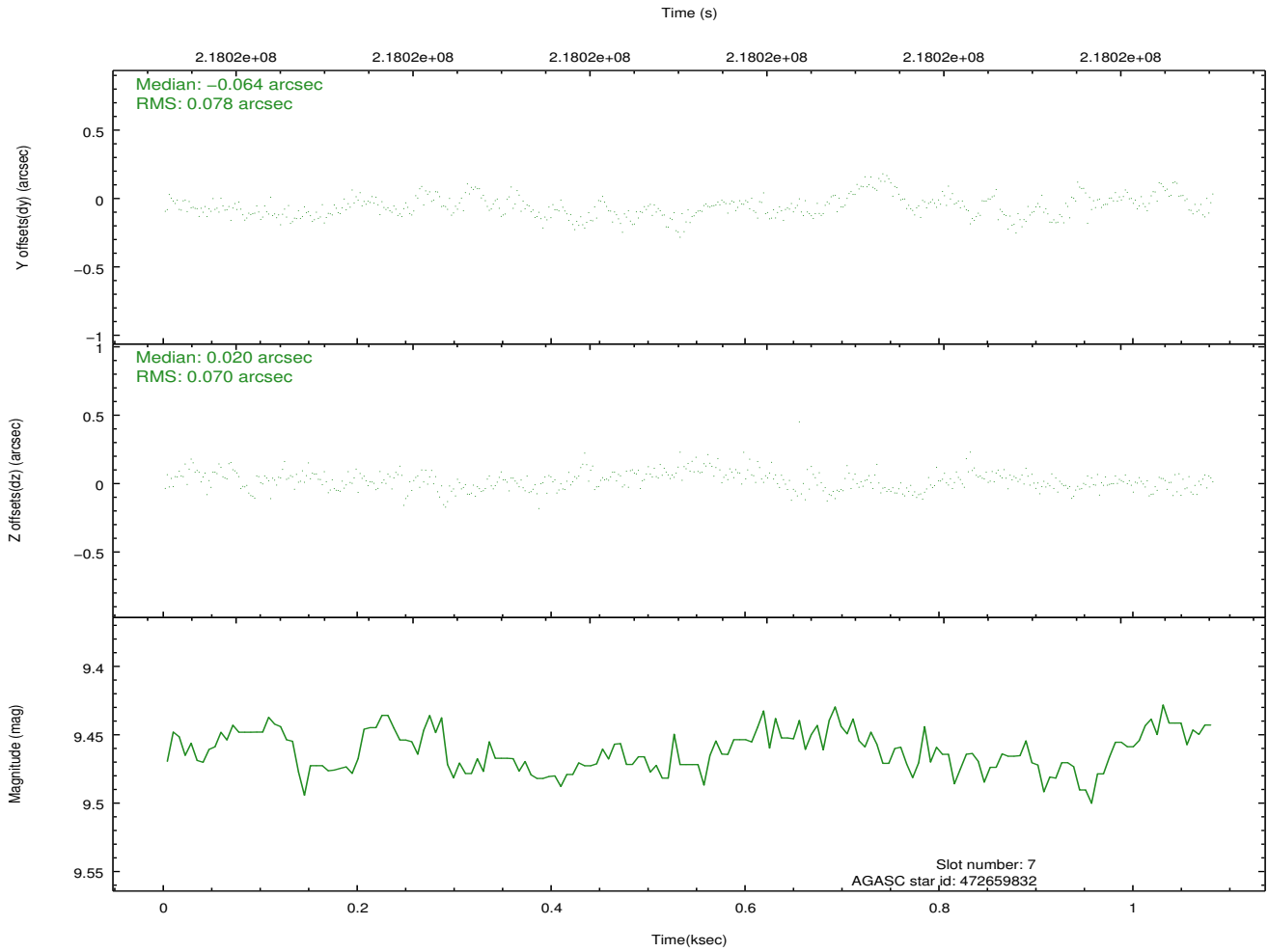
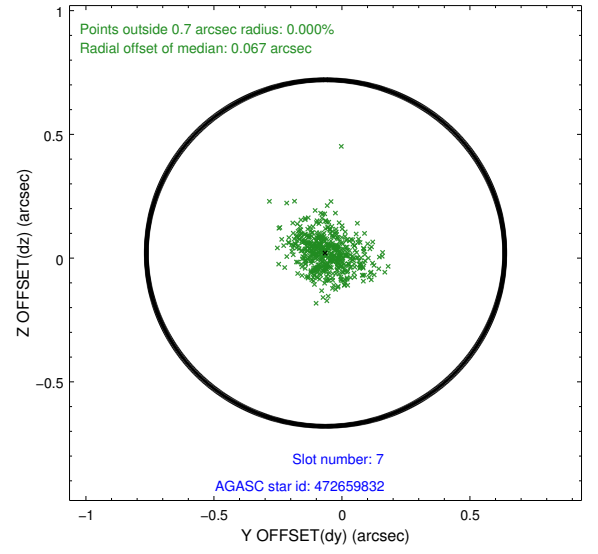
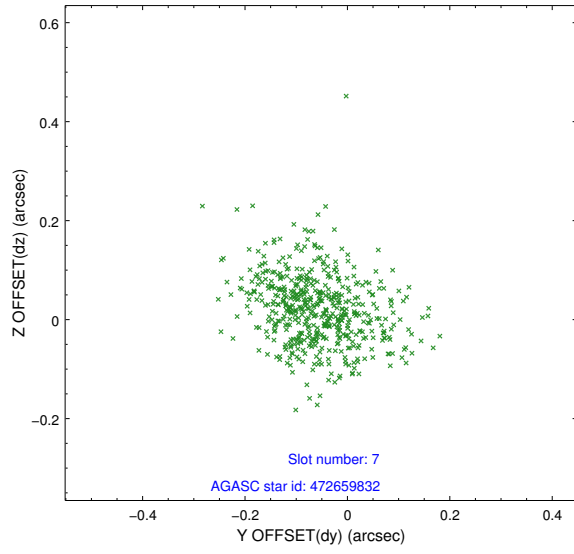
2.4.3 Slot 5



2.4.4 Slot 6

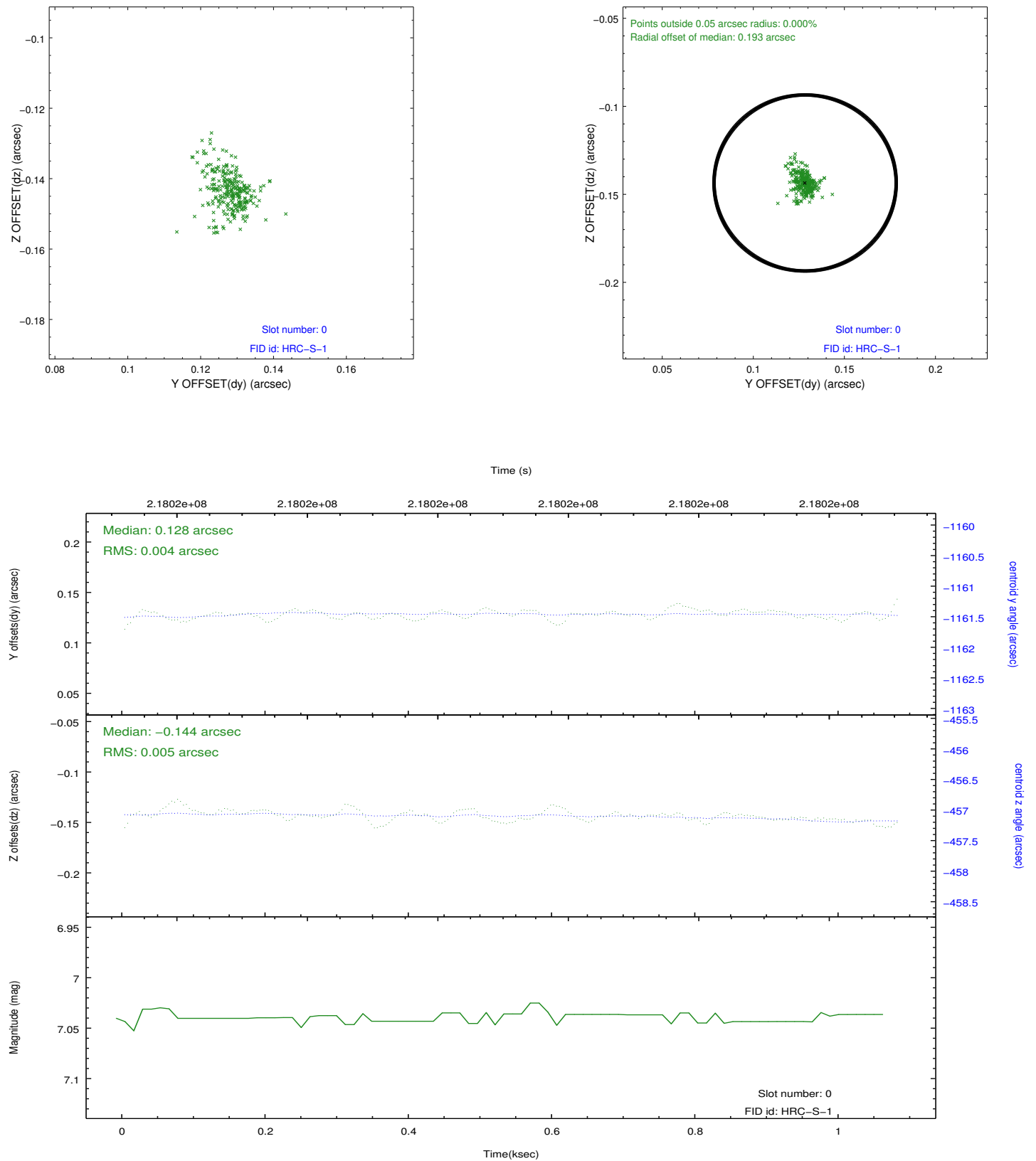


2.4.5 Slot 7

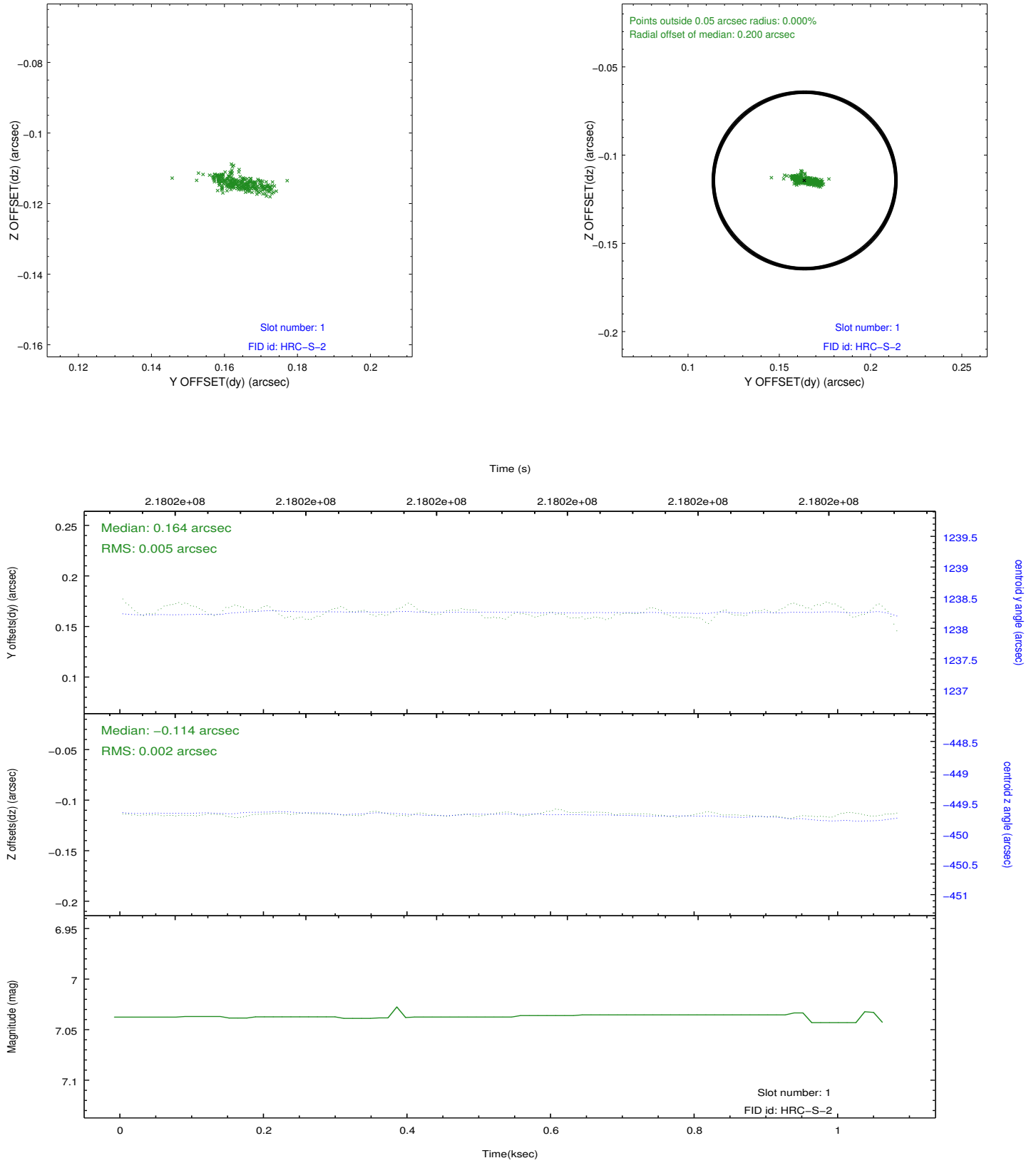


2.5 FID Slots

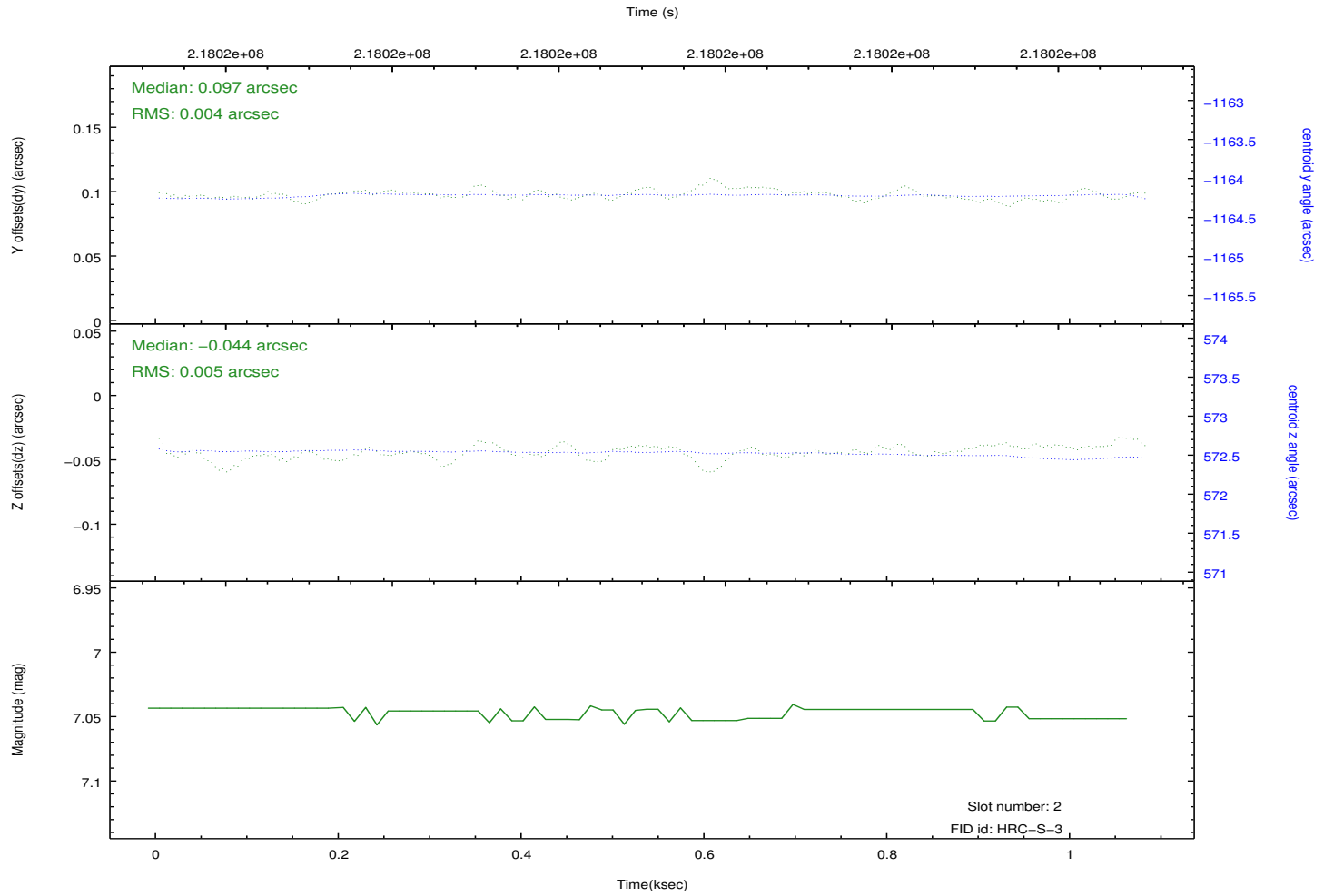
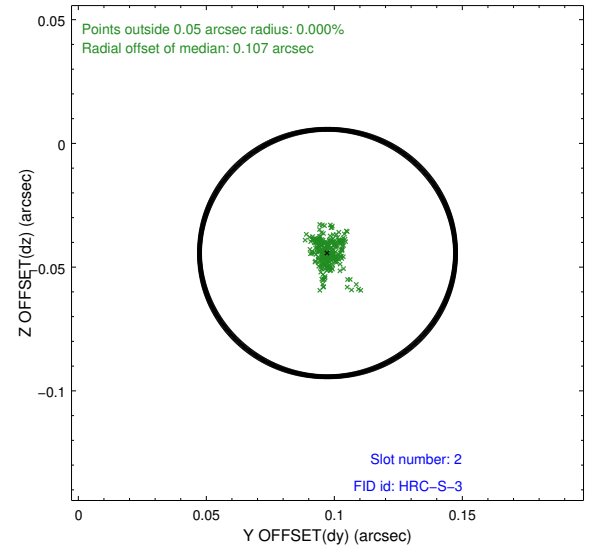
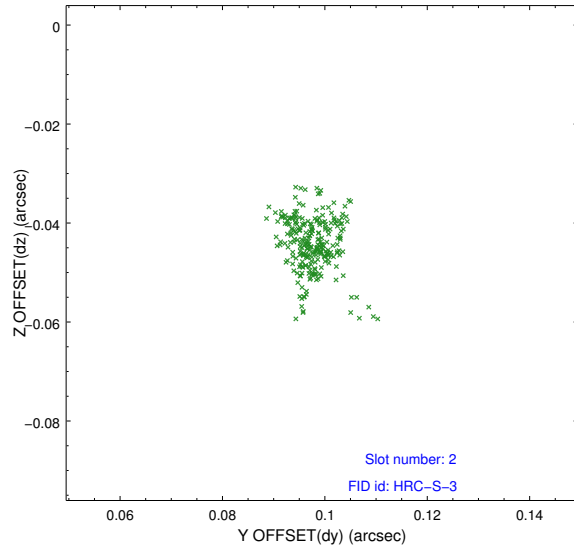
2.5.1 Slot 0



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	1.050625

A.2 Comments