

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6480 - L2 Version 3
Chandra X-Ray Center

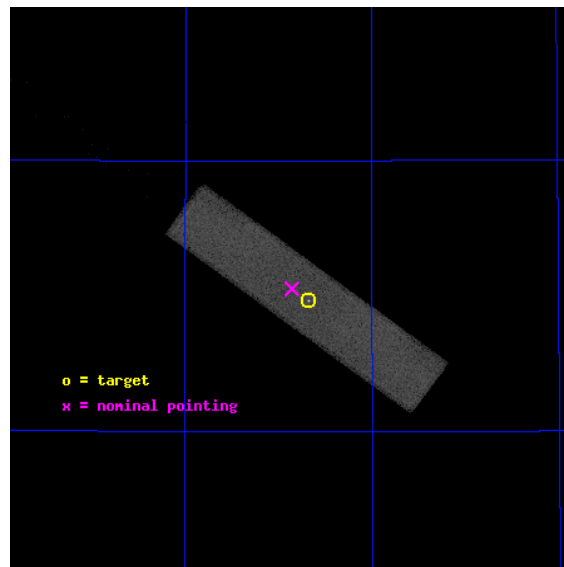
L2 Processing Date : Aug 11 2012

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

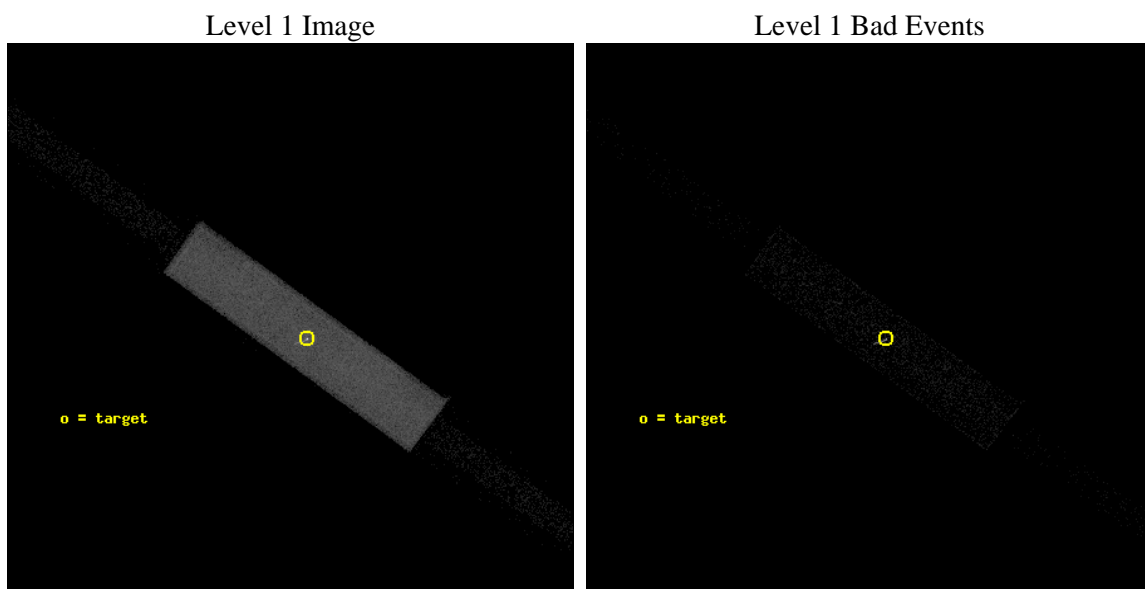
seq_num	290573	Sequence number
obs_id	6480	Observation id
title	AO7 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.21415982068	Nominal RA [deg]
dec_nom	45.764210539042	Nominal Dec [deg]
roll_nom	35.736312550188	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1153.125053674	[s]
livetime	1140.9504358464	Ontime multiplied by DTCOR
l2events	93391	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	8.4.5	Processing system revision	ontime	1153.125053674	[s]
caldsver	4.5.1.1	 	l1events	135505	Number of level 1 events
date	2012-08-11T03:18:29	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

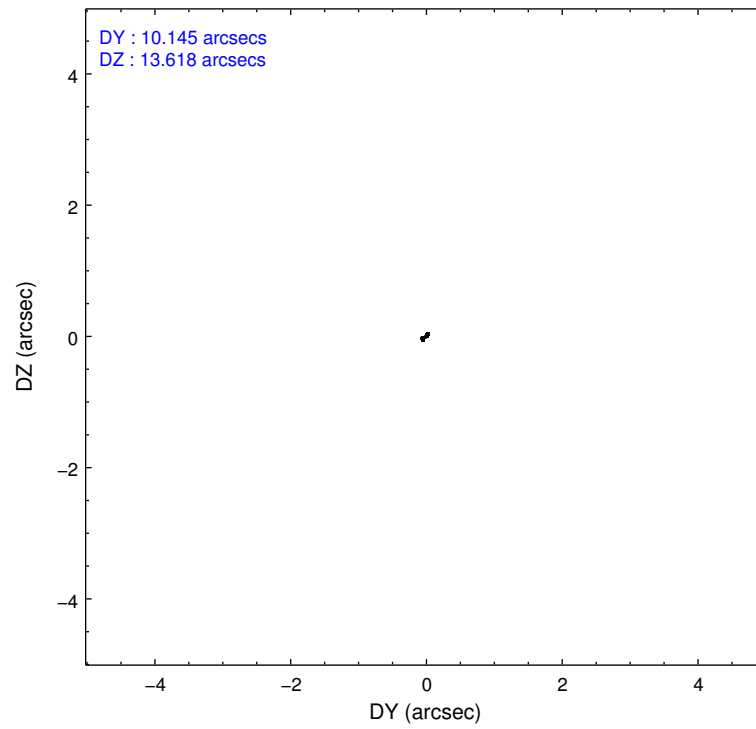
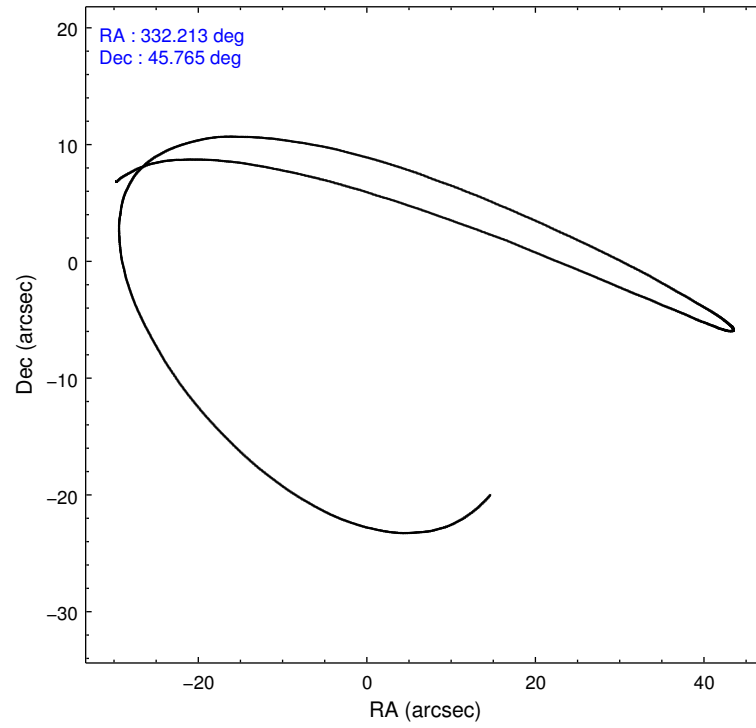
Level 1 Events

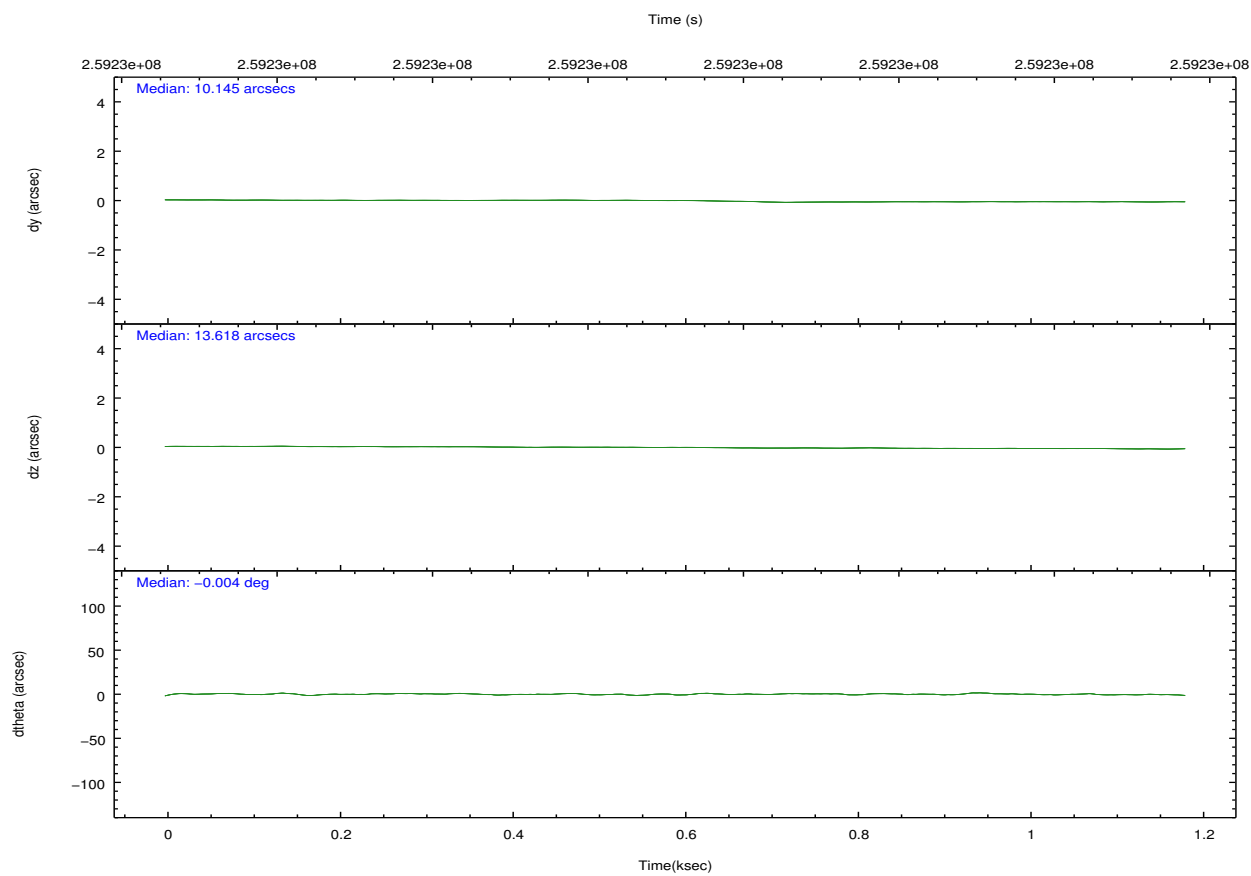
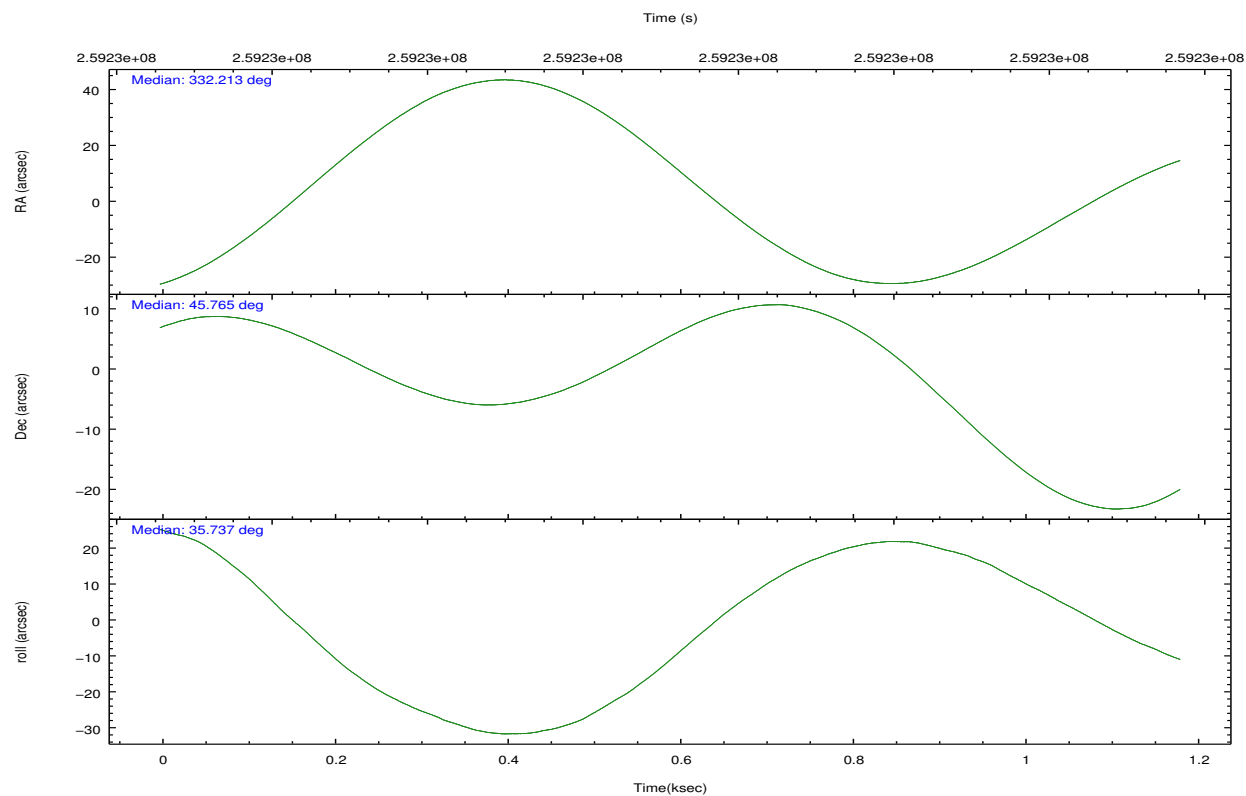
	segment 1	segment 2	segment 3
level 1 events	1700	132232	1573
rejected events	1700	25417	1552
rejected %	100%	19%	98%

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	332.199395	332.2141598206816			
[deg] Pointing Dec	45.737751	45.76421053904156			
[deg] Pointing Roll	35.679550	35.73631255018812			
[mm] SIM focus pos	-1.533336	-1.526339935833849			
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	259226499.184000	259226123.43			
Observation start date	2006-03-20T07:20:34	2006-03-20T07:15:23			
[s] Observation end time (MET)	259227499.184000	259227633.25507			
Observation end date	2006-03-20T07:37:14	2006-03-20T07:40:33			

2.3 Aspect



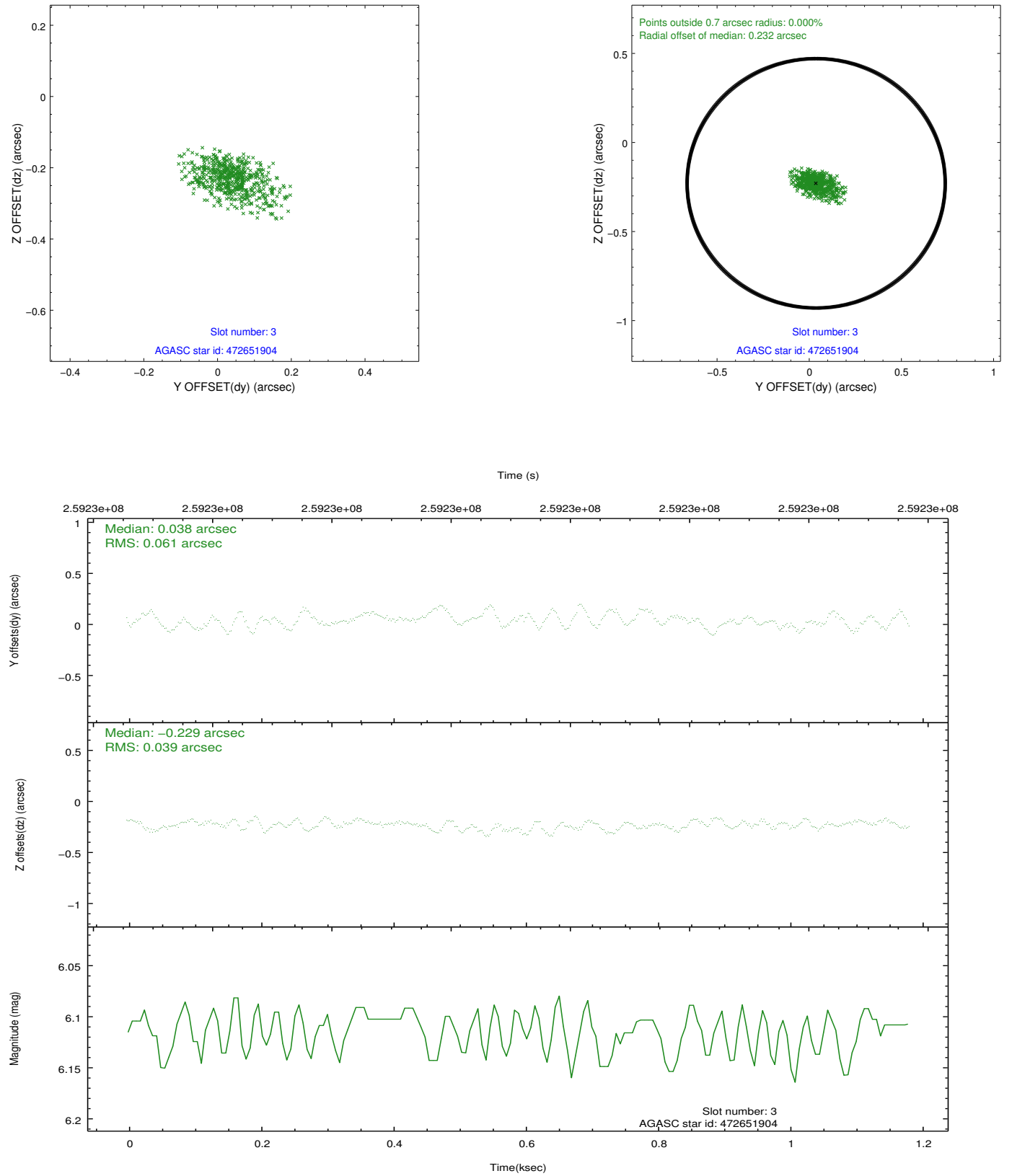


Slot Statistics

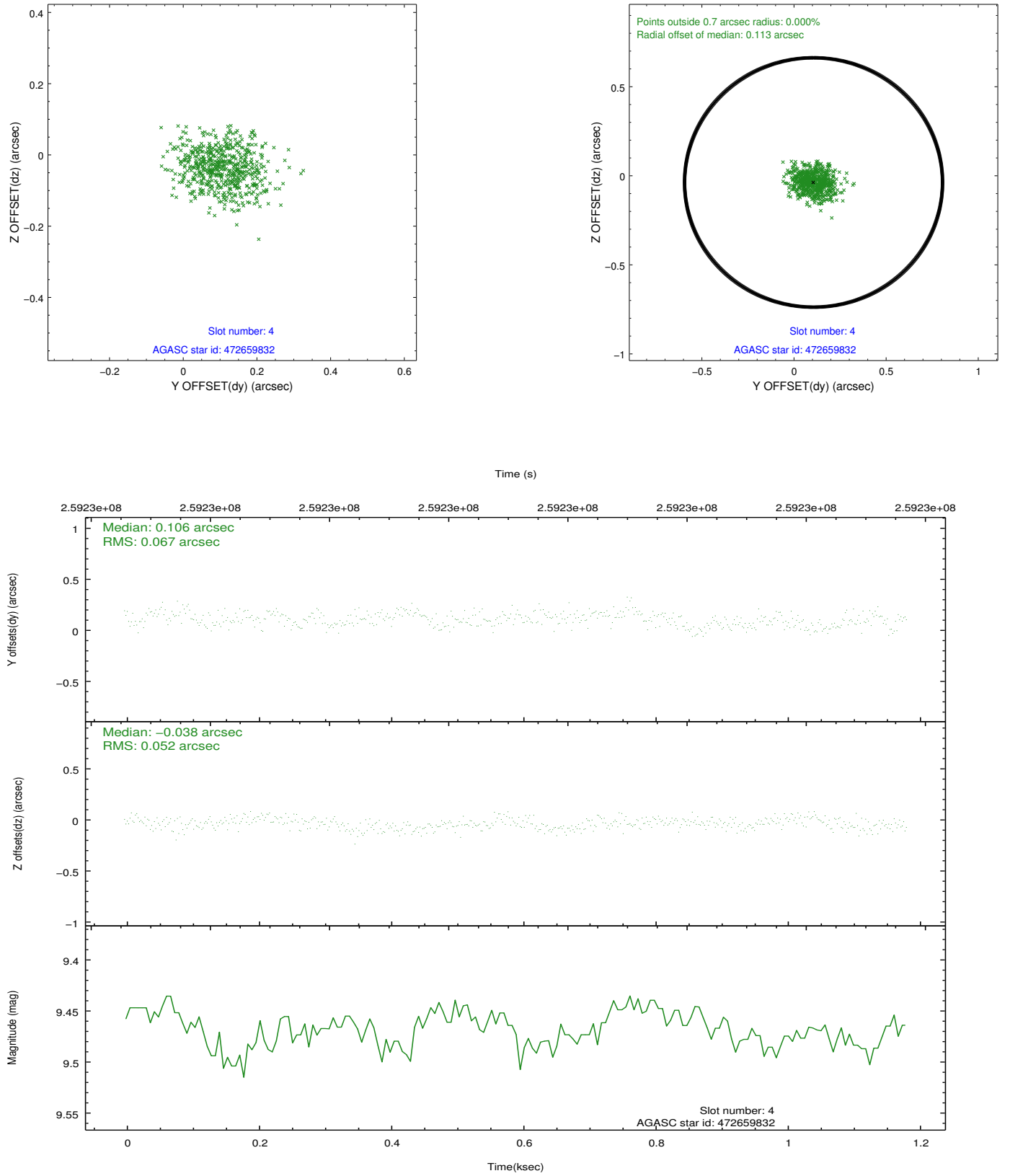
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.06	289	0.135	-0.179	0.006	0.010	0.000000	0.000000	-1164.33	-462.43
1	FID	HRC-S-2	7.04	289	0.138	-0.106	0.004	0.008	0.000000	0.000000	1231.30	-456.59
2	FID	HRC-S-3	7.06	289	0.117	-0.017	0.007	0.010	0.000000	0.000000	-1162.81	565.67
3	GUIDE	472651904	6.11	578	0.038	-0.229	0.077	0.134	332.170077	45.742257	-49.41	56.73
4	GUIDE	472659832	9.47	578	0.106	-0.038	0.092	0.143	332.780399	46.098139	1938.93	212.66
5	GUIDE	472665256	9.02	578	-0.196	0.123	0.082	0.138	332.808125	46.195041	2199.89	458.07
6	GUIDE	472523760	8.24	578	-0.060	0.142	0.068	0.113	331.645363	45.403260	-1832.35	-156.12
7	GUIDE	472525528	6.62	577	0.095	0.023	0.073	0.125	331.551102	45.248694	-2359.77	-466.31

2.4 Star Slots

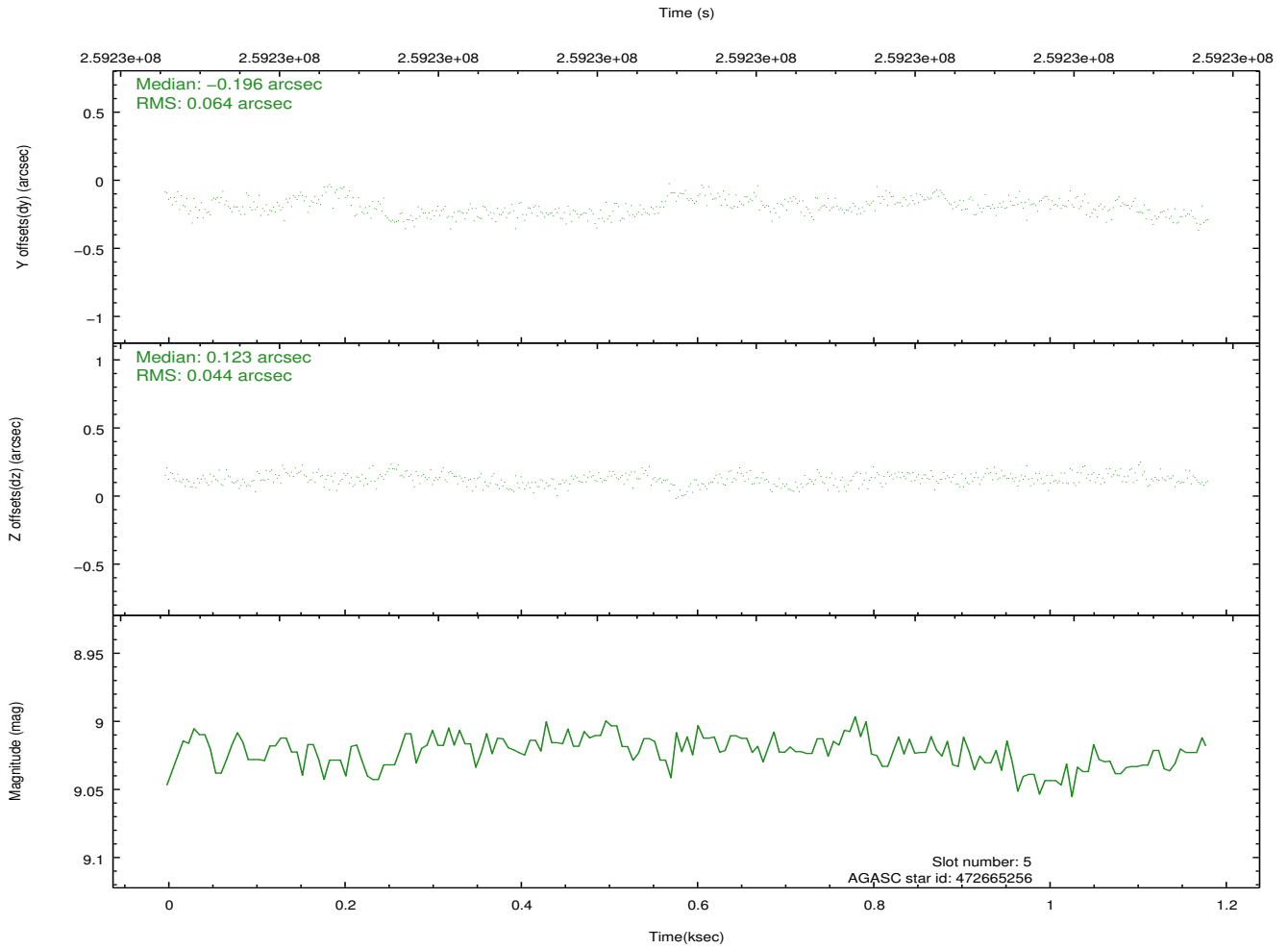
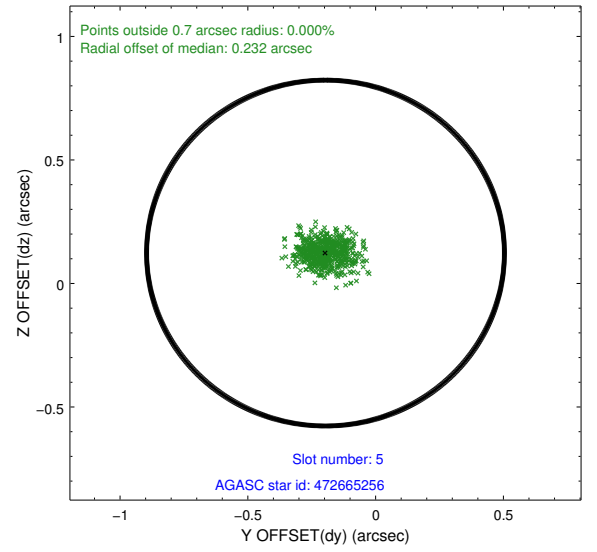
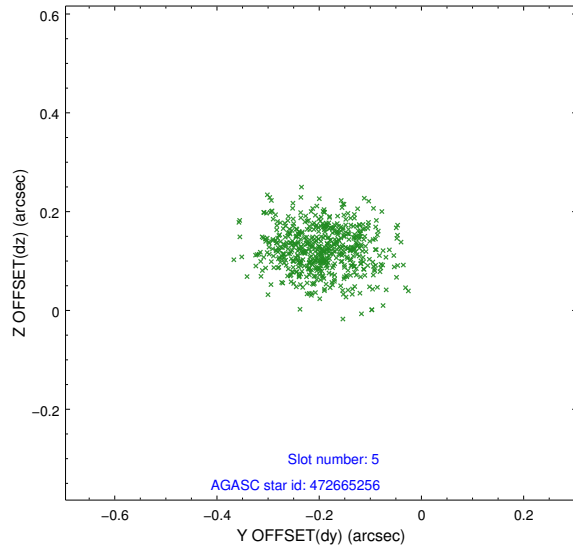
2.4.1 Slot 3



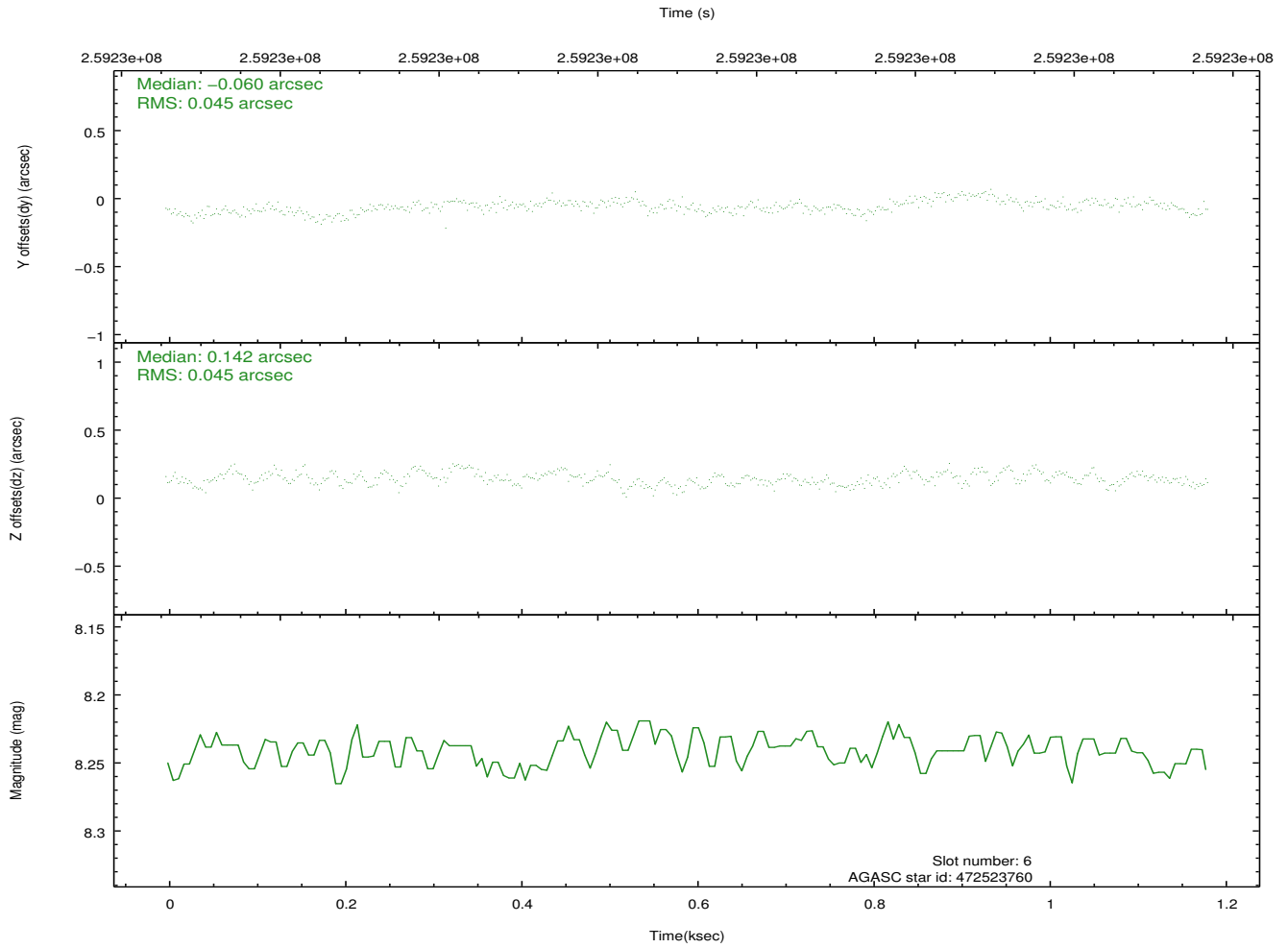
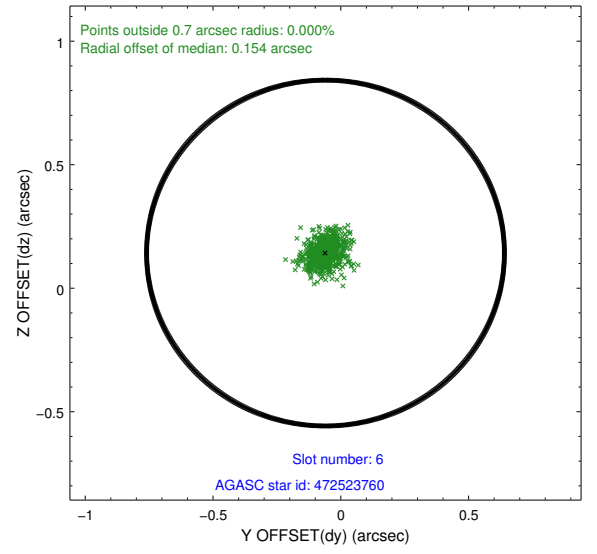
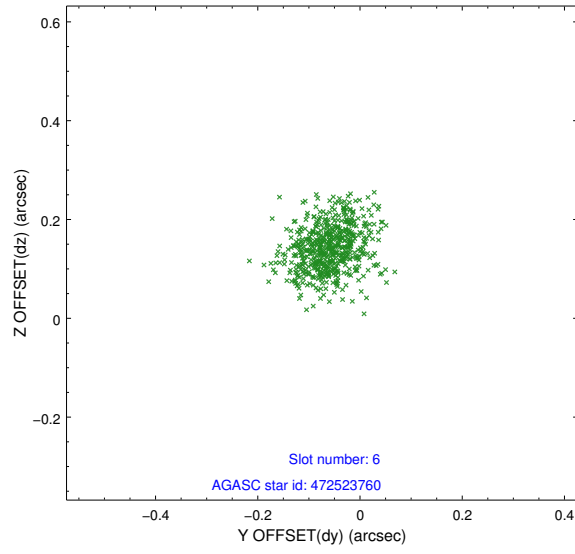
2.4.2 Slot 4



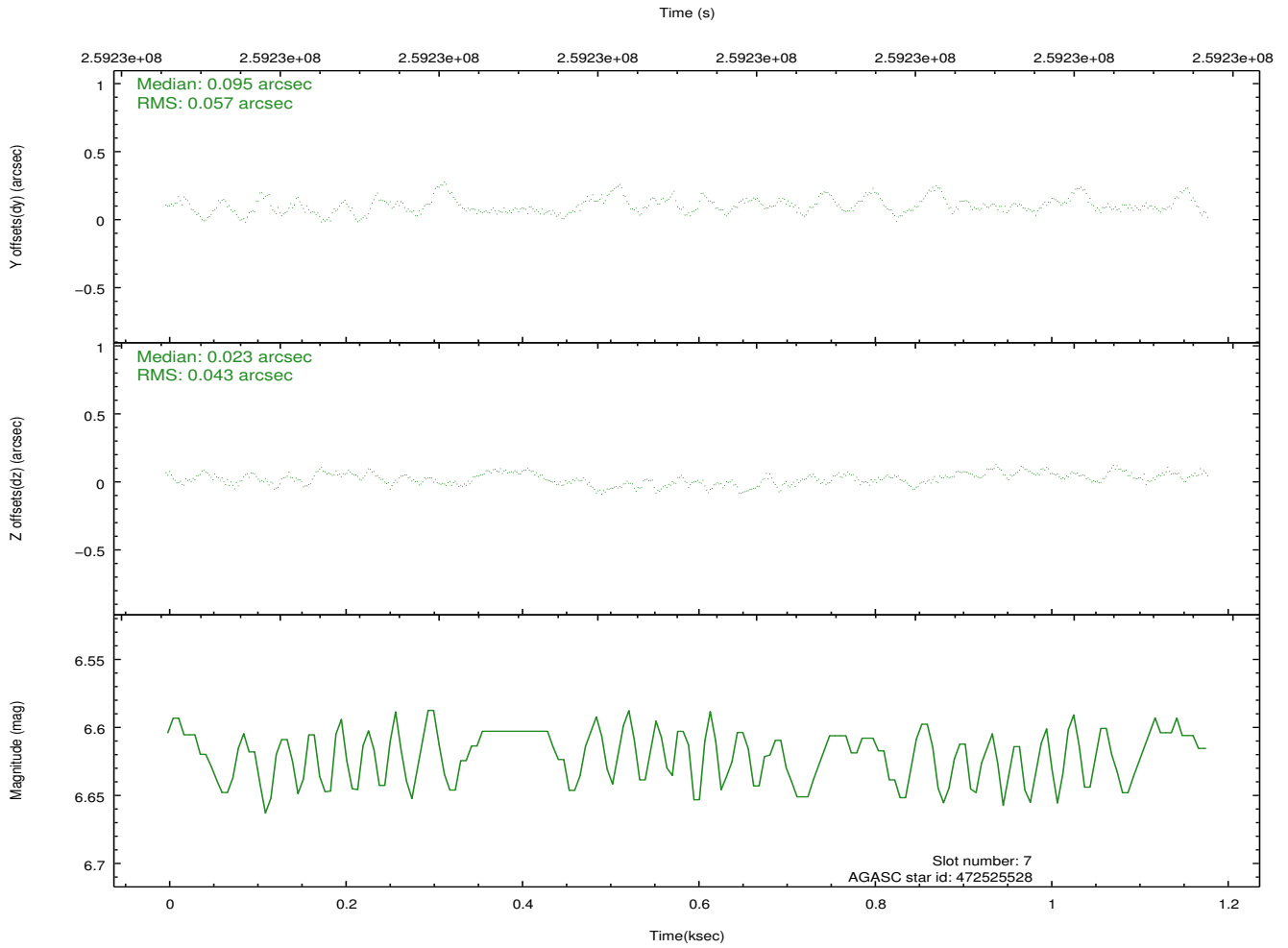
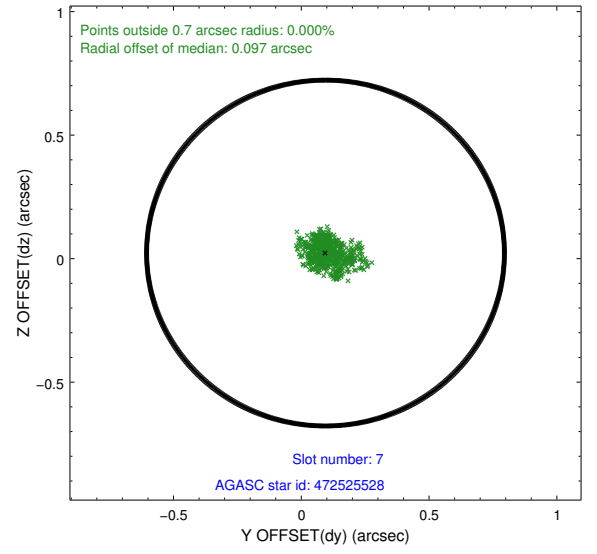
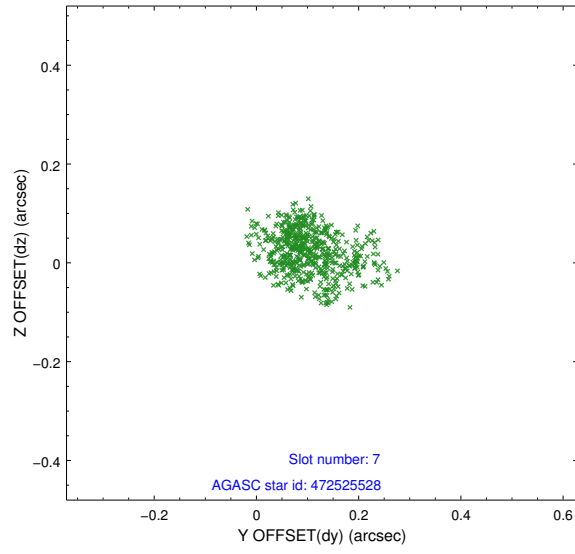
2.4.3 Slot 5



2.4.4 Slot 6

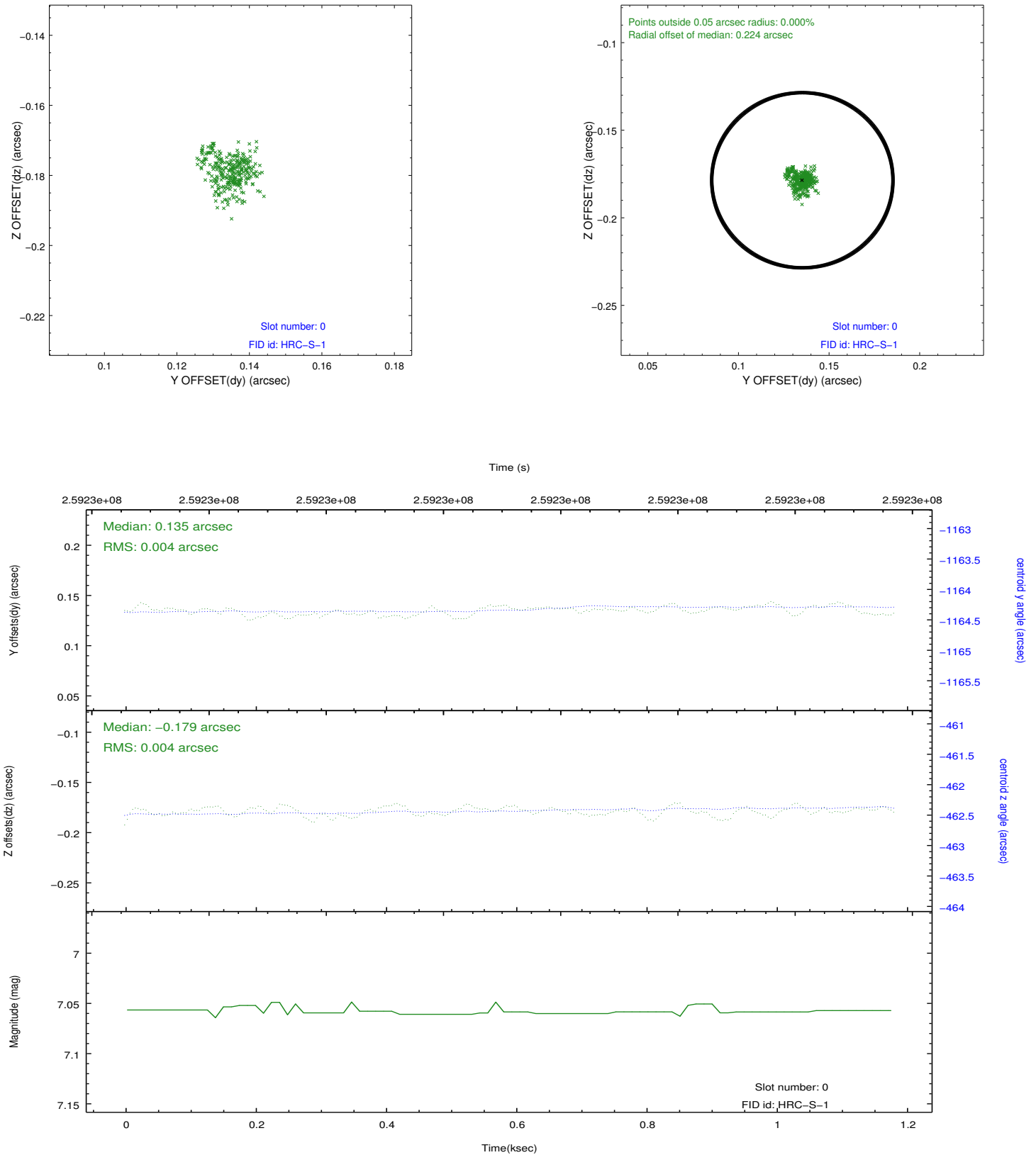


2.4.5 Slot 7

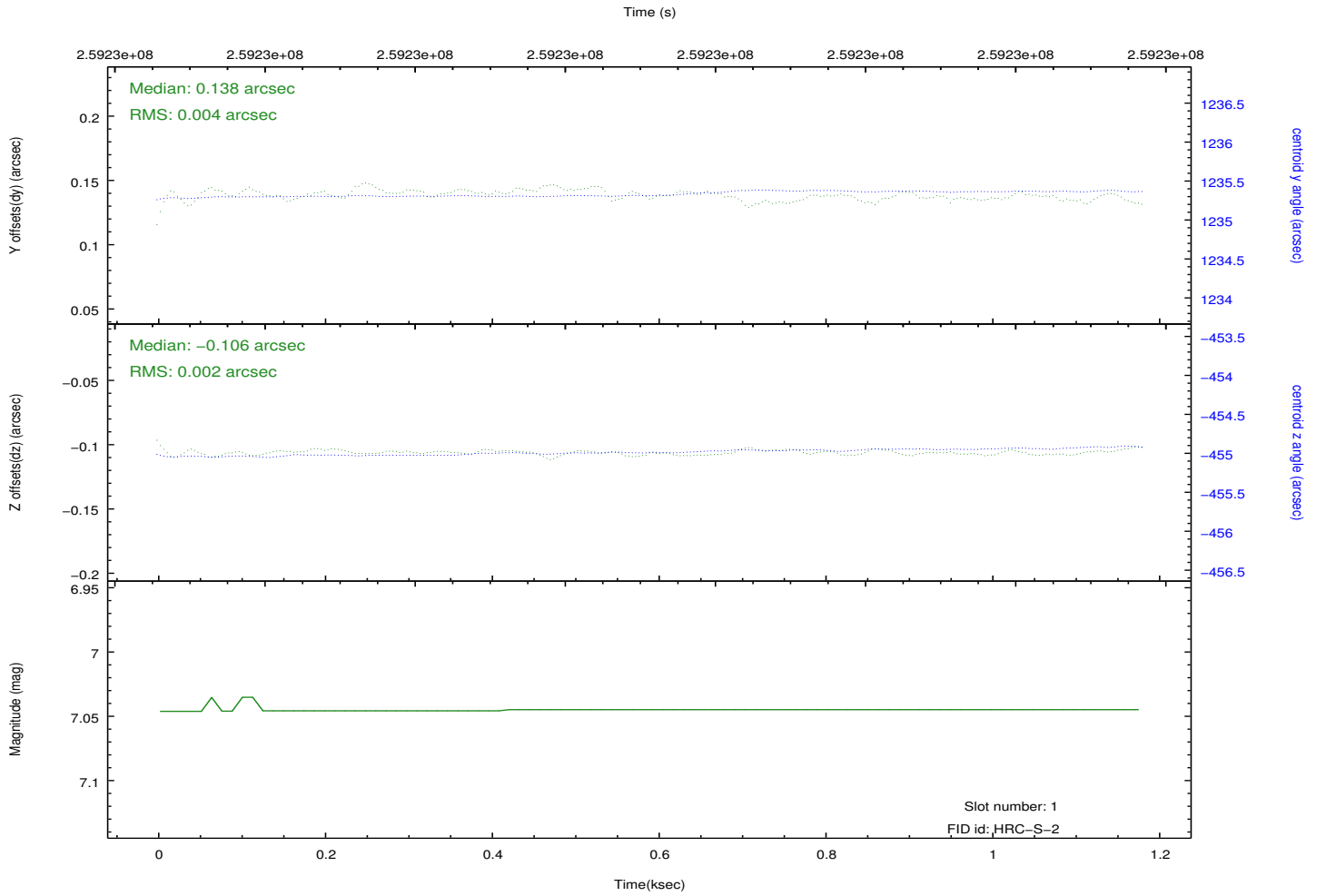
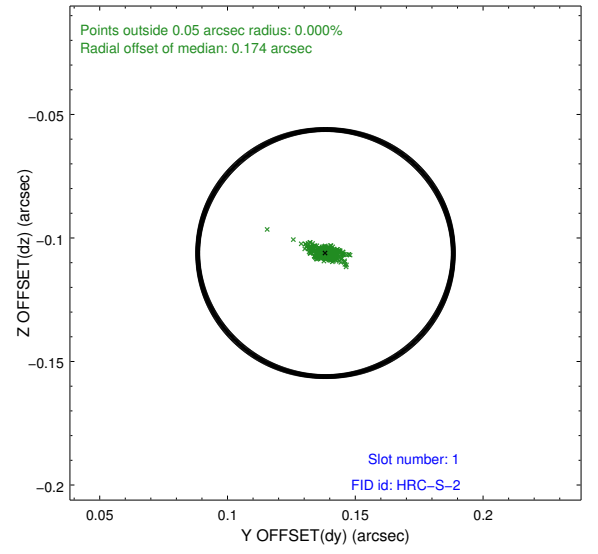
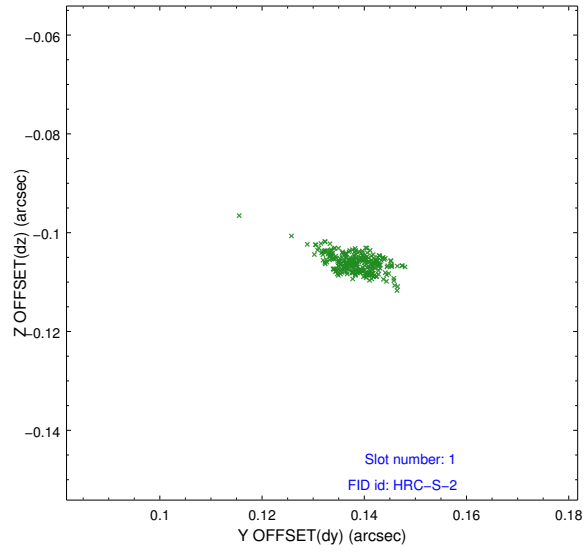


2.5 FID Slots

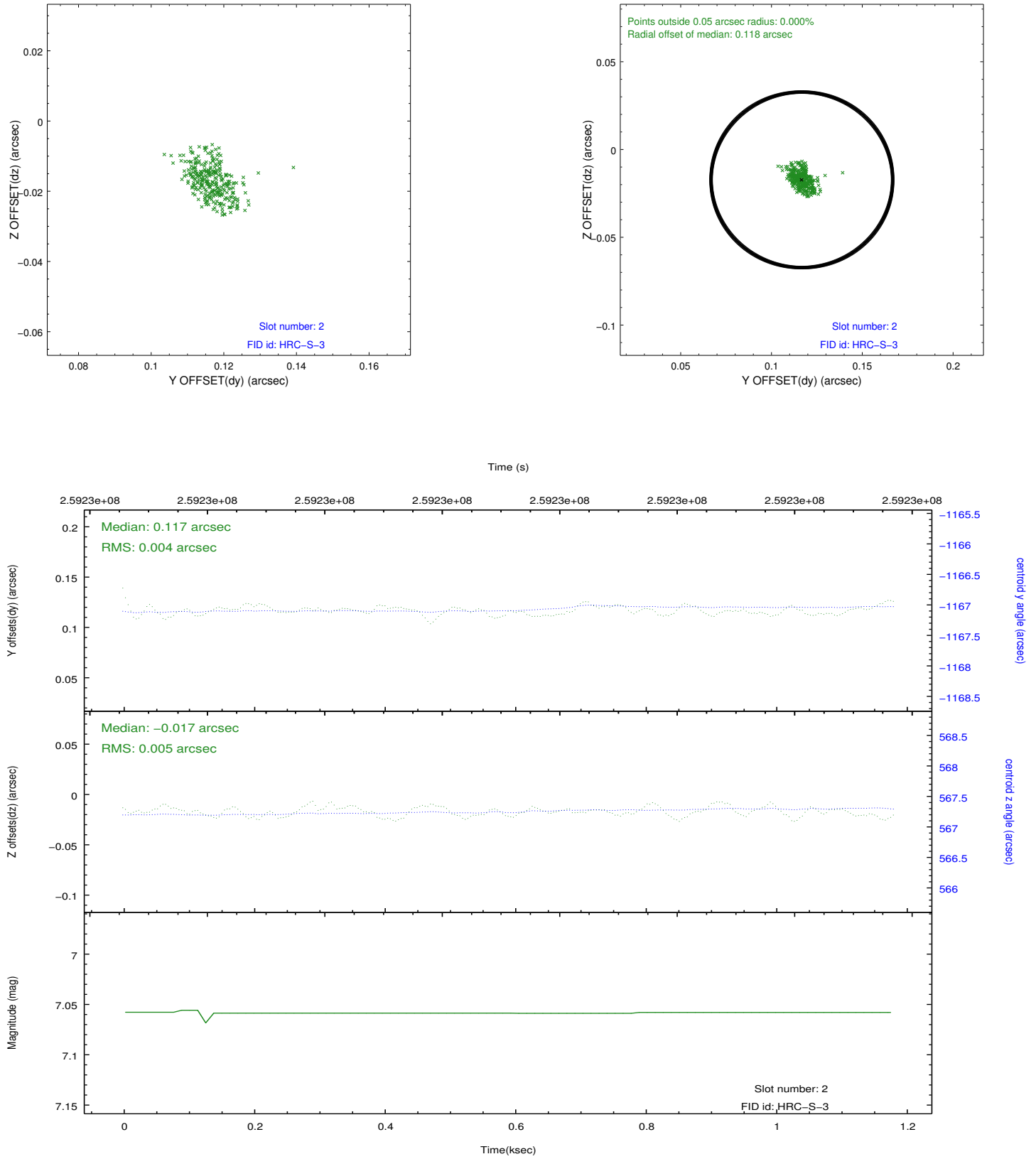
2.5.1 Slot 0



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)	2012.08.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1533813

A.2 Comments