

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 5055 - L2 Version 4
Chandra X-Ray Center

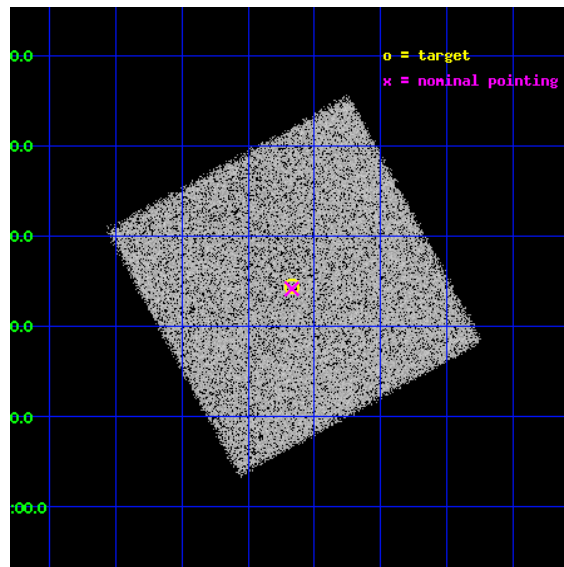
L2 Processing Date : Nov 11 2012

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

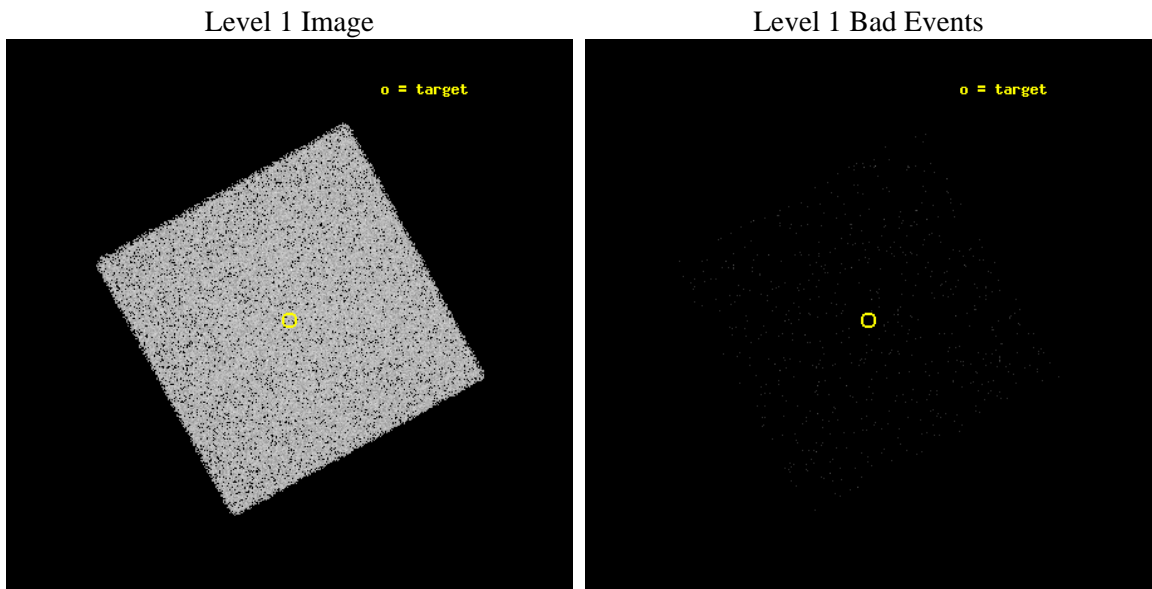
seq_num	290328	Sequence number
obs_id	5055	Observation id
title	AO5 Measurements of the optical/UV Transmission of the HRC and ACIS Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Betelgeuse	Source name
ra_targ	88.792917	Observer's specified target RA [deg]
dec_targ	7.407056	Observer's specified target Dec [deg]
ra_nom	88.792445476471	Nominal RA [deg]
dec_nom	7.4027076111613	Nominal Dec [deg]
roll_nom	286.32325256086	Nominal Roll [deg]
revision	4	Processing version of data
ontime	2086.1313411891	[s]
livetime	2043.6794673078	Ontime multiplied by DTCOR
l2events	89310	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	2102.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	2086.1313411891	[s]
caldsver	4.5.2	 	l1events	136517	Number of level 1 events
date	2012-11-11T14:27:39	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

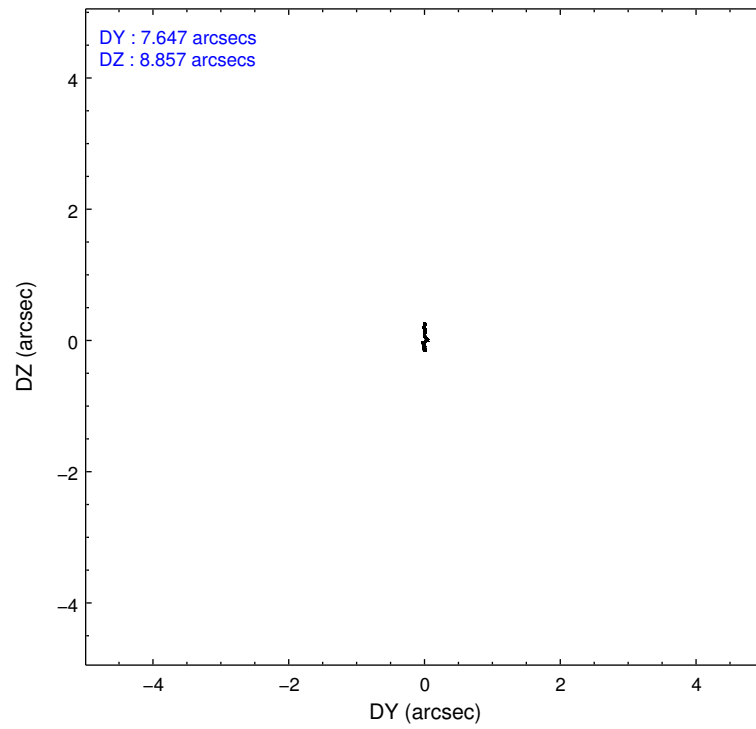
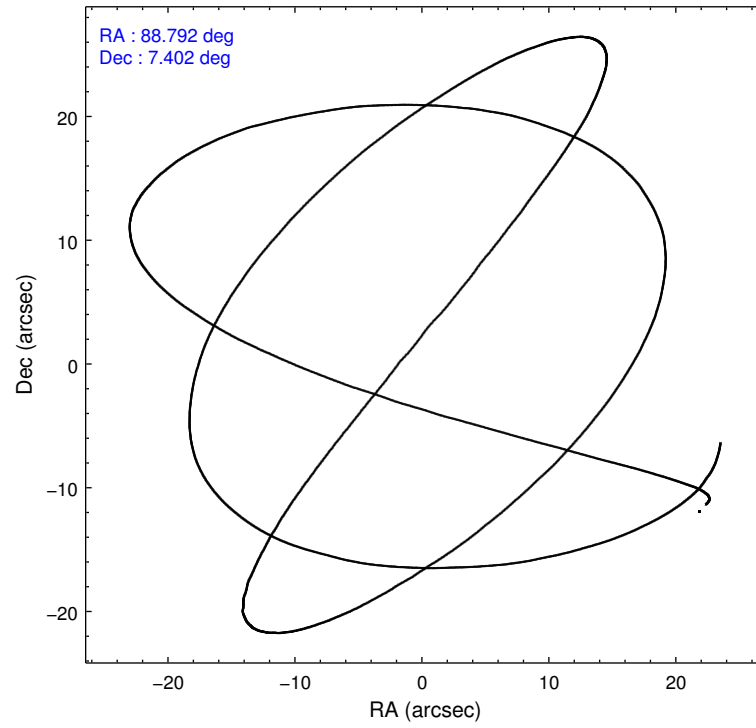
Level 1 Events

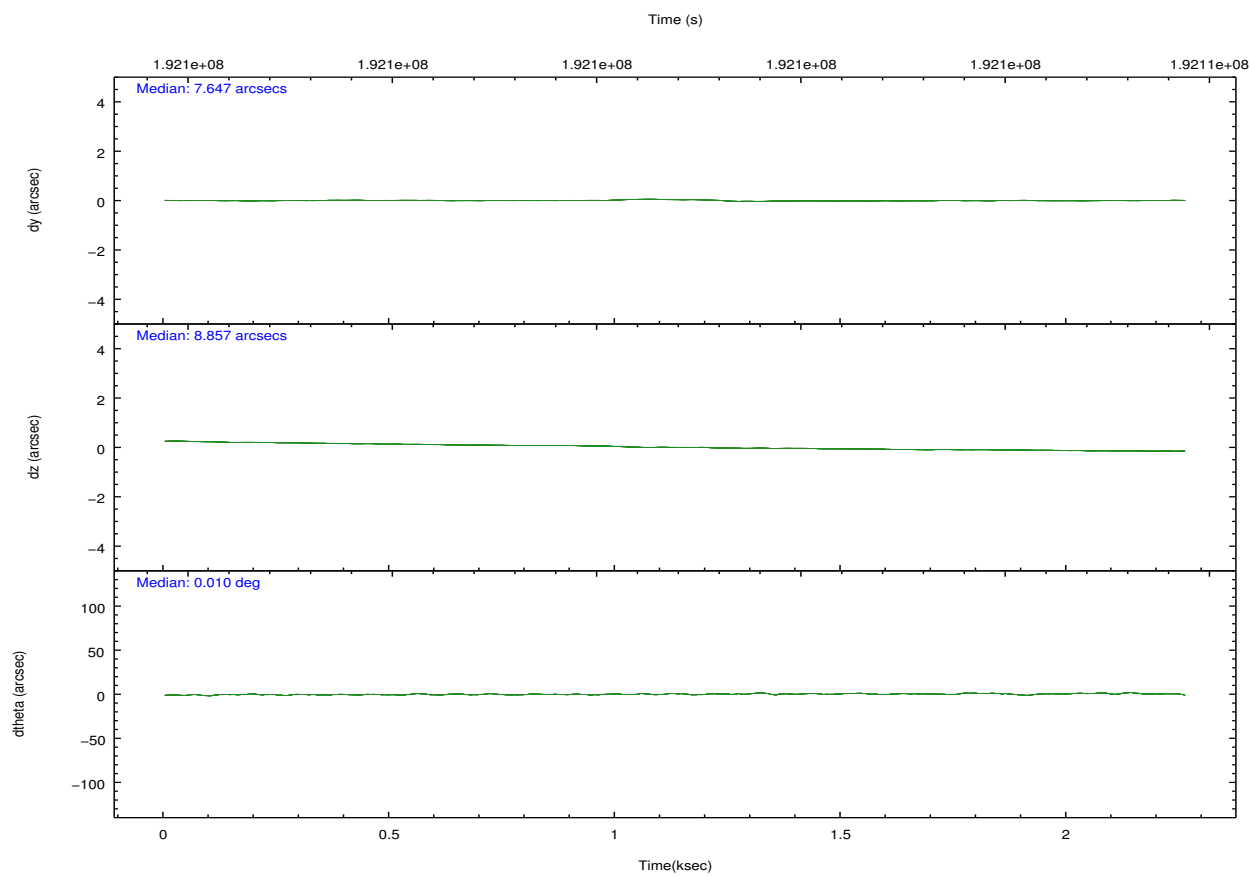
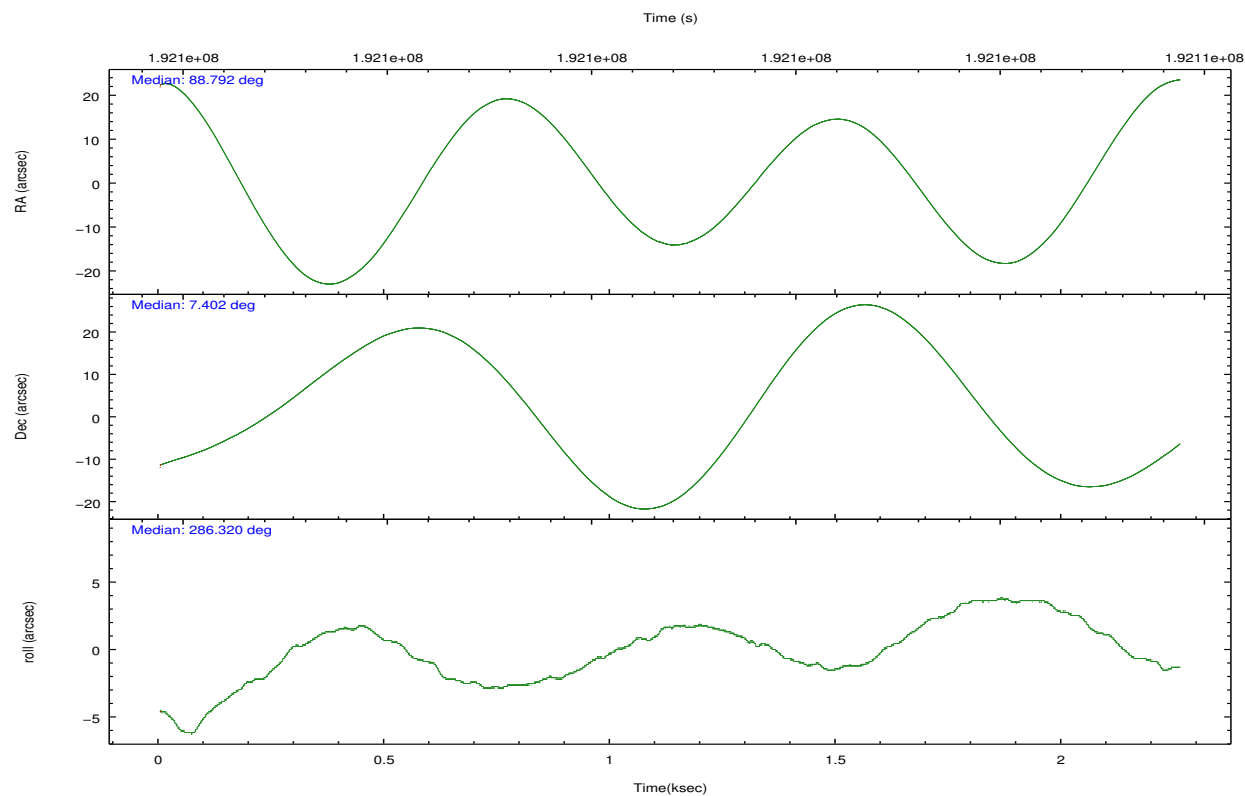
	segment 0
level 1 events	136517
rejected events	8604
rejected %	6%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	88.772252	88.79244547647058			
[deg] Pointing Dec	7.421169	7.402707611161306			
[deg] Pointing Roll	286.421337	286.3232525608568			
[s] Window start time (MET)	191980864.184000	191980864.184000			
[s] Window stop time (MET)	197078464.184000	197078464.184000			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	192103219.184000	192102807.93254			
Observation start date	2004-02-02T09:59:15	2004-02-02T09:53:27			
[s] Observation end time (MET)	192105321.184000	192105457.04516			
Observation end date	2004-02-02T10:34:17	2004-02-02T10:37:37			

2.3 Aspect



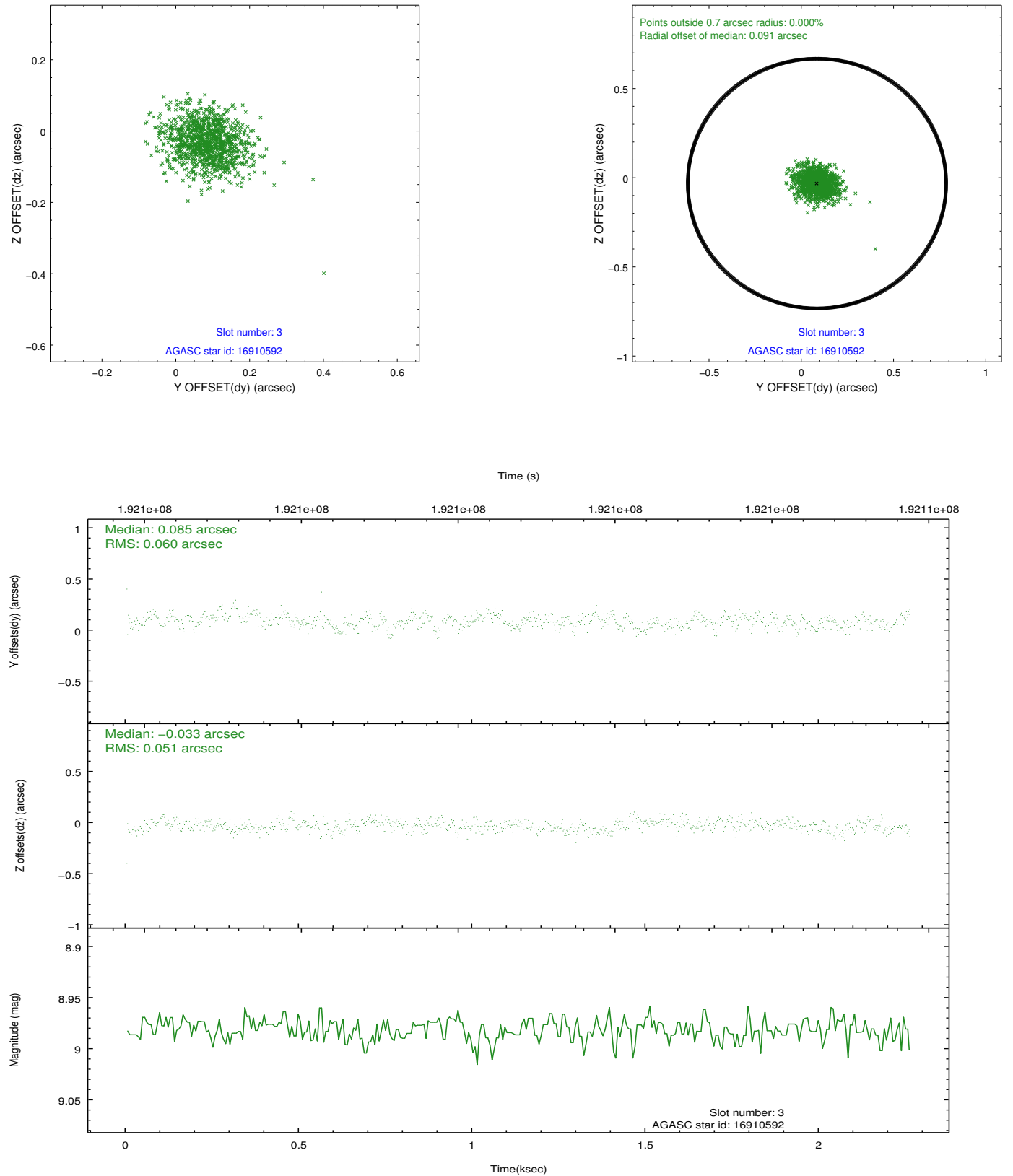


Slot Statistics

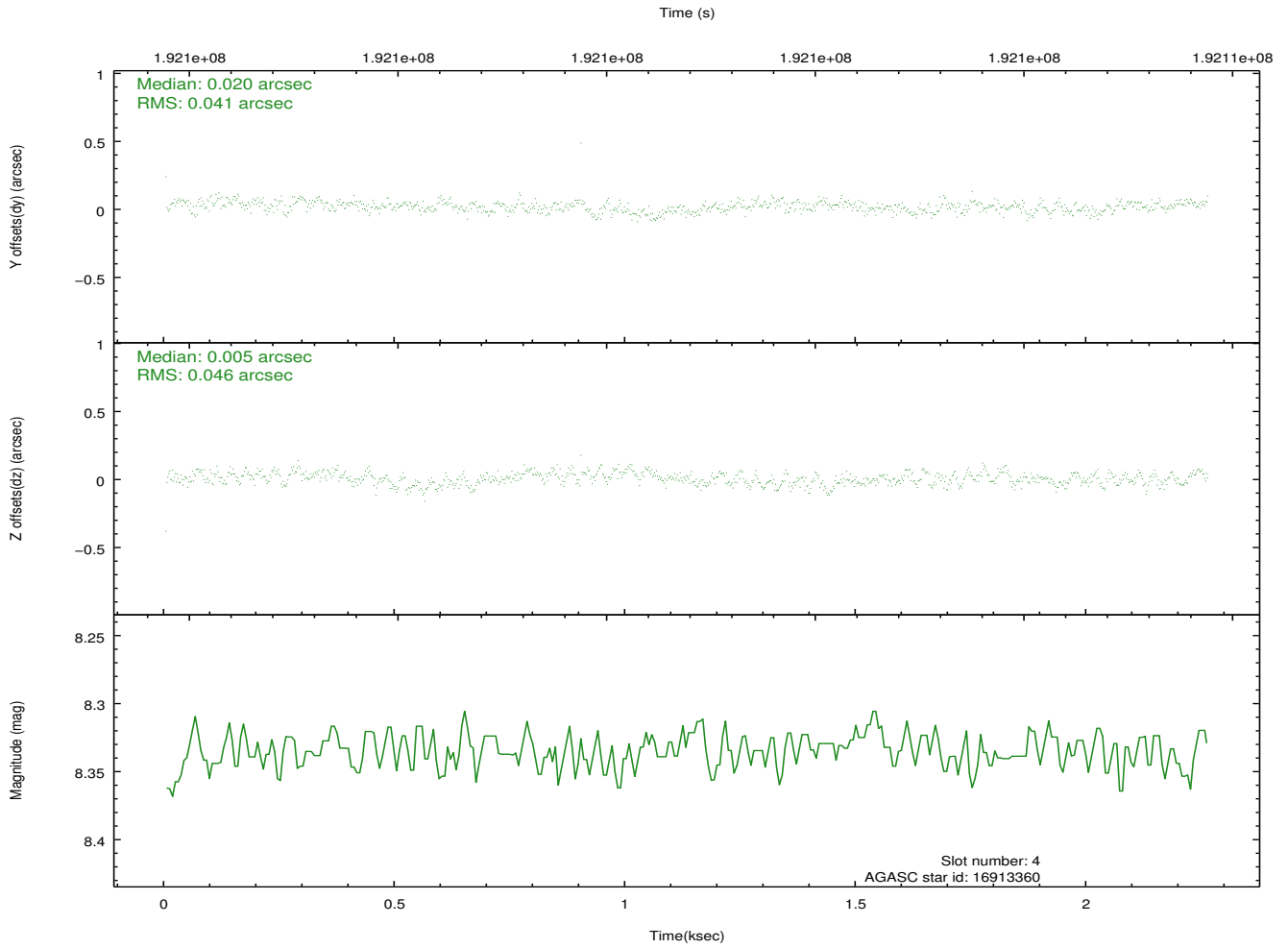
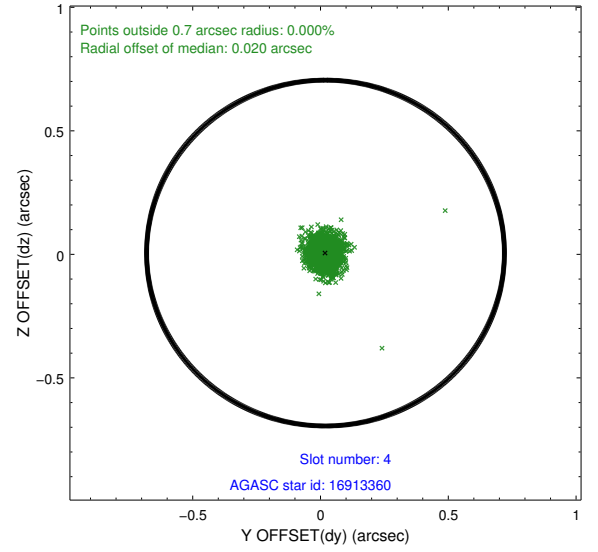
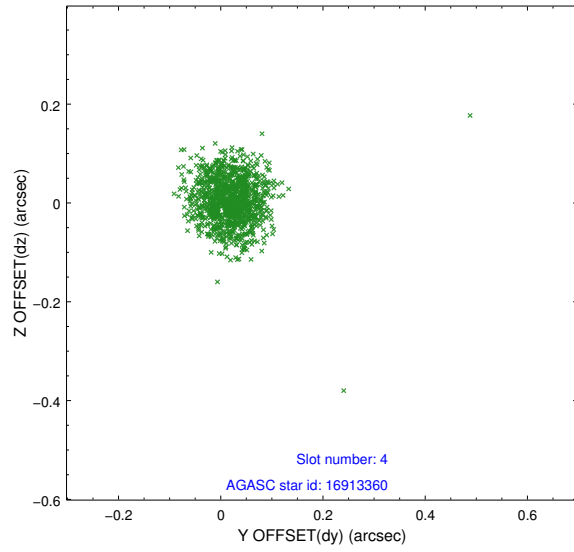
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.06	552	-0.010	0.041	0.008	0.013	0.000000	0.000000	-763.28	-1296.72
1	FID	HRC-I-2	7.10	552	0.157	-0.122	0.008	0.013	0.000000	0.000000	848.13	-1300.83
2	FID	HRC-I-3	7.15	552	-0.027	-0.009	0.010	0.017	0.000000	0.000000	-1190.21	1005.44
3	GUIDE	16910592	8.98	1103	0.085	-0.033	0.083	0.135	88.532936	6.726769	2155.69	-1526.99
4	GUIDE	16913360	8.33	1103	0.020	0.005	0.064	0.099	89.178373	7.247125	1012.02	1213.29
5	GUIDE	16918912	8.67	1103	0.099	0.085	0.068	0.108	89.257075	6.922287	2212.34	1156.22
6	GUIDE	93854800	7.58	1103	-0.128	-0.108	0.060	0.096	88.376308	7.655454	-1207.17	-1115.27
7	GUIDE	93855160	8.50	1102	-0.074	0.047	0.068	0.108	88.514904	7.713359	-1270.18	-583.86

2.4 Star Slots

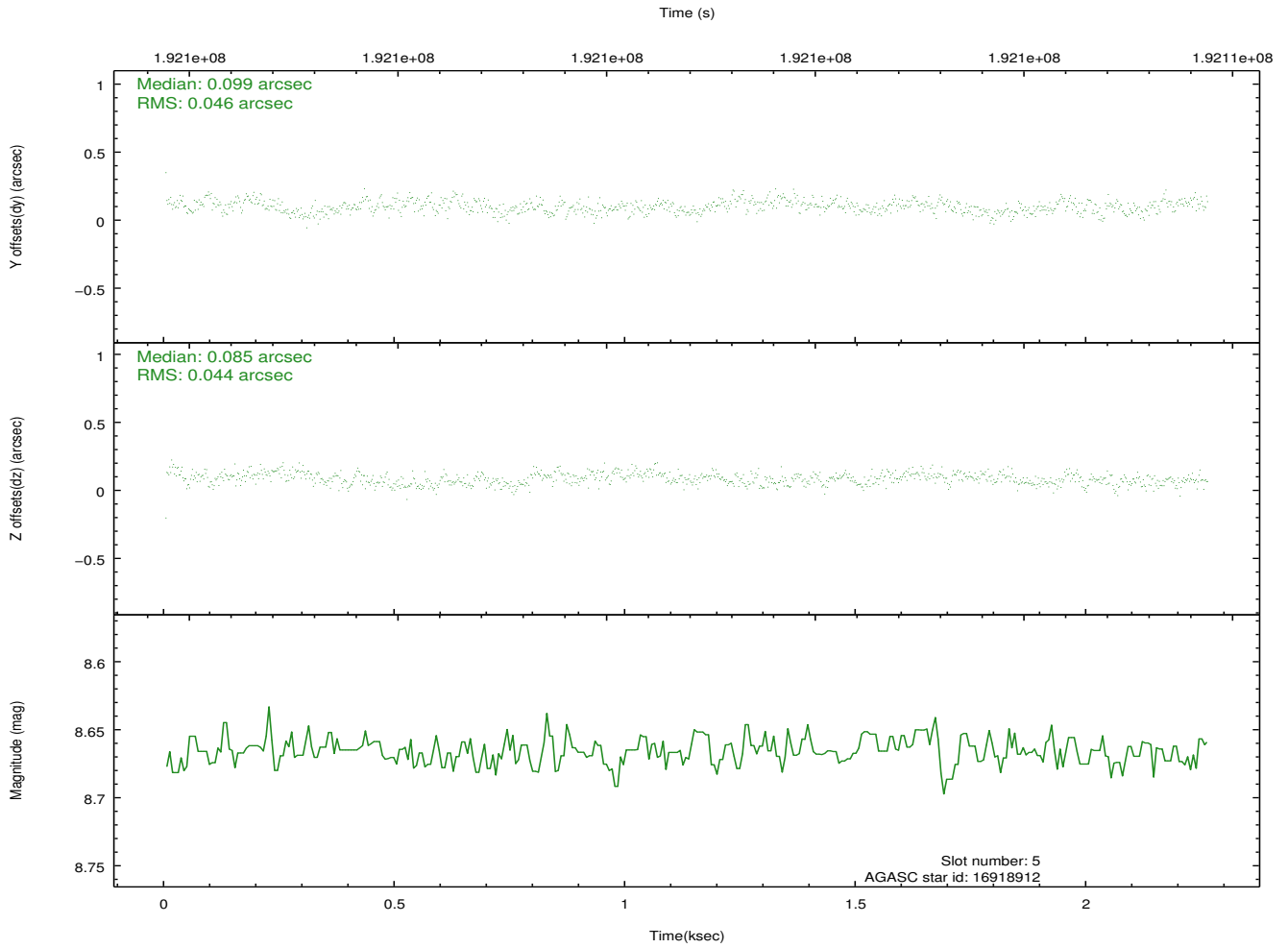
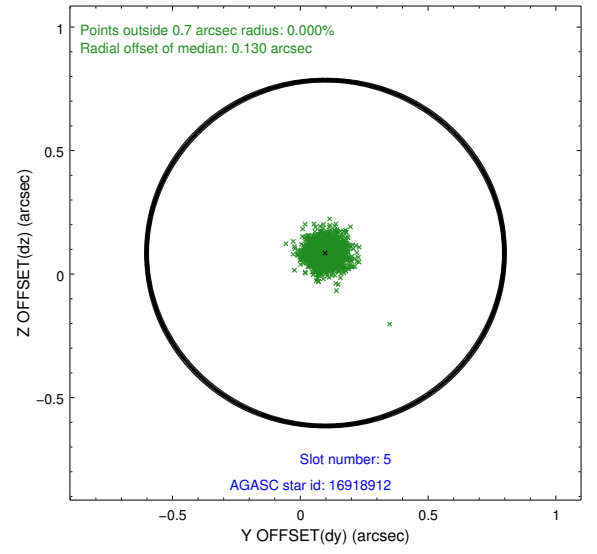
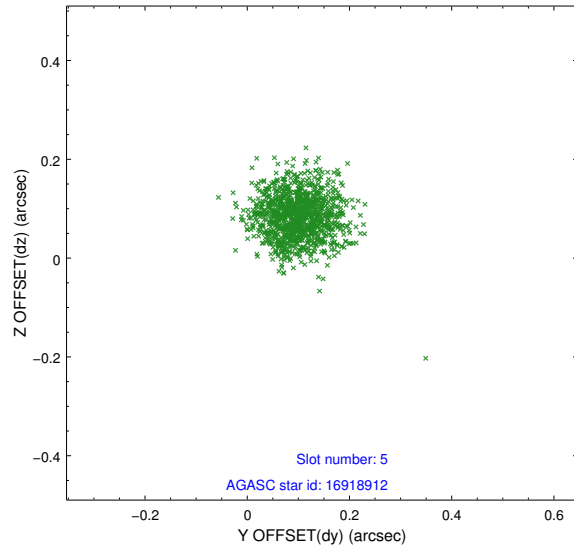
2.4.1 Slot 3



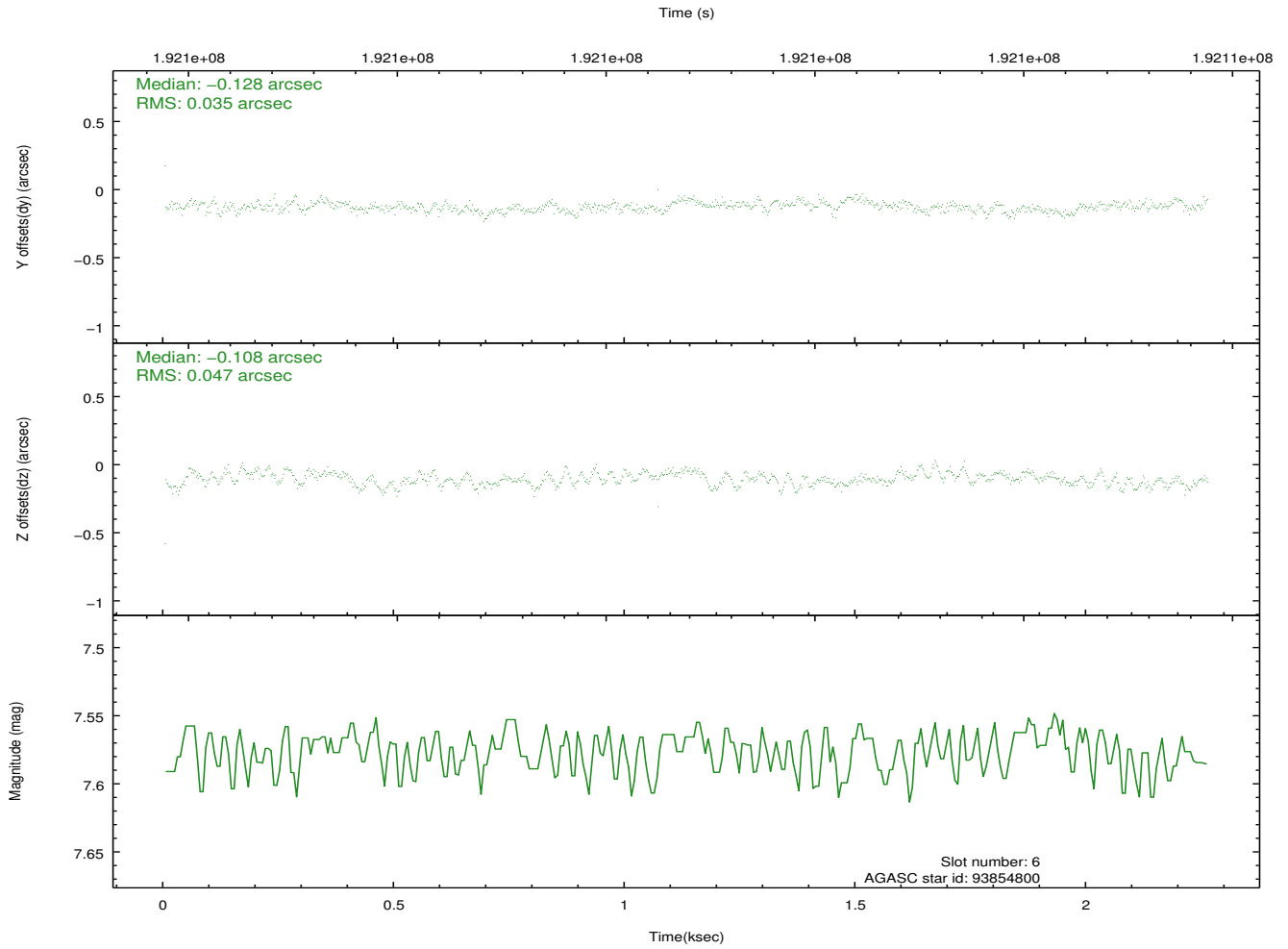
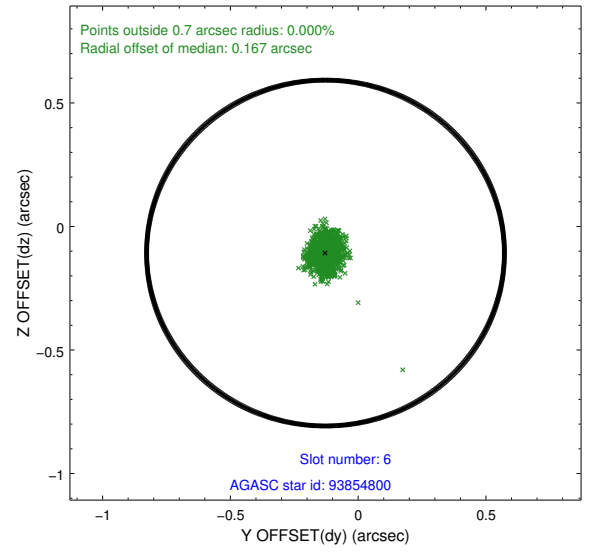
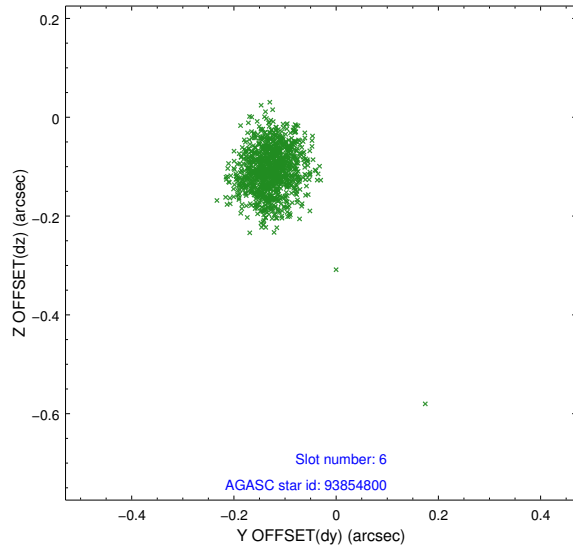
2.4.2 Slot 4



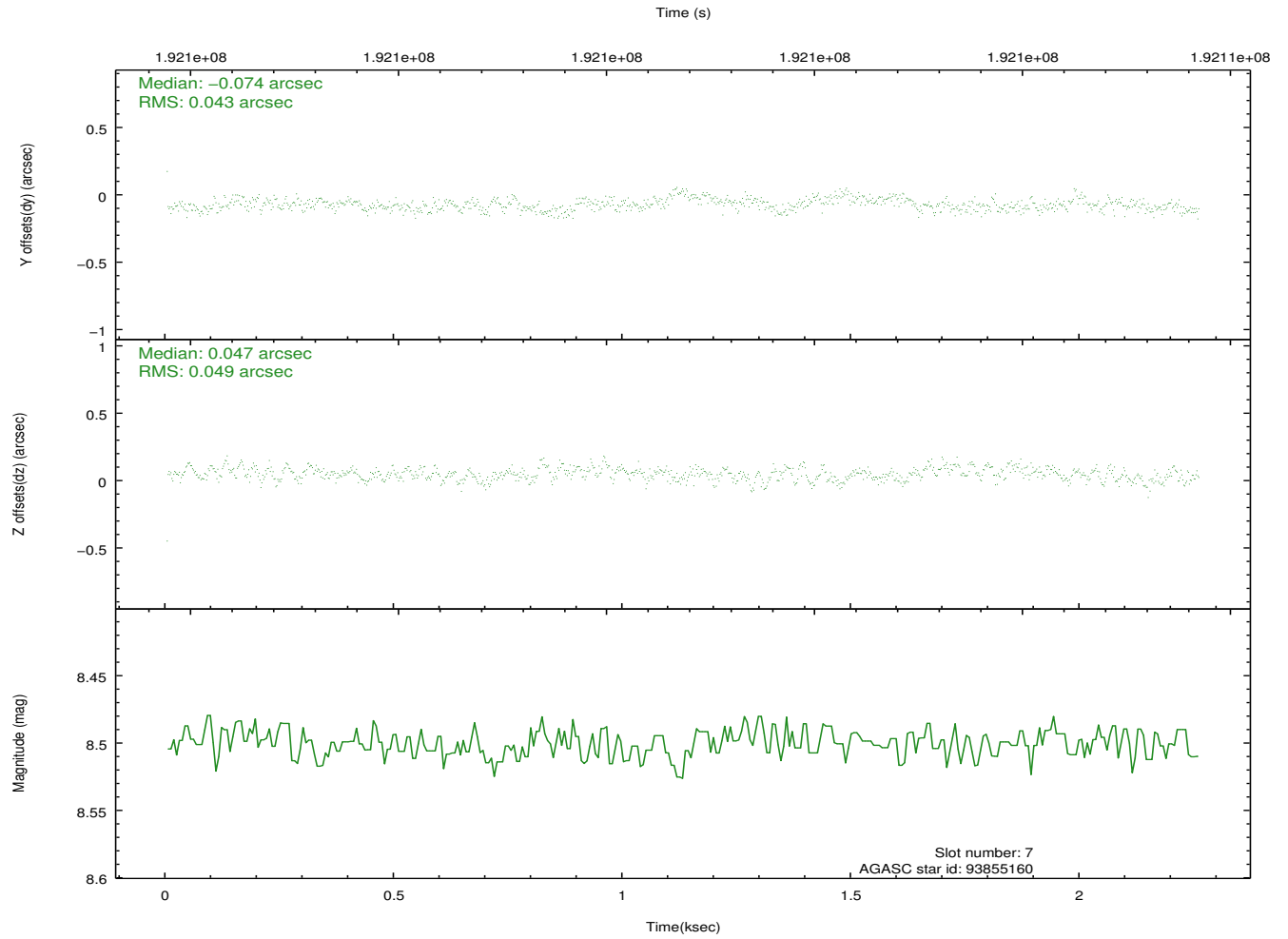
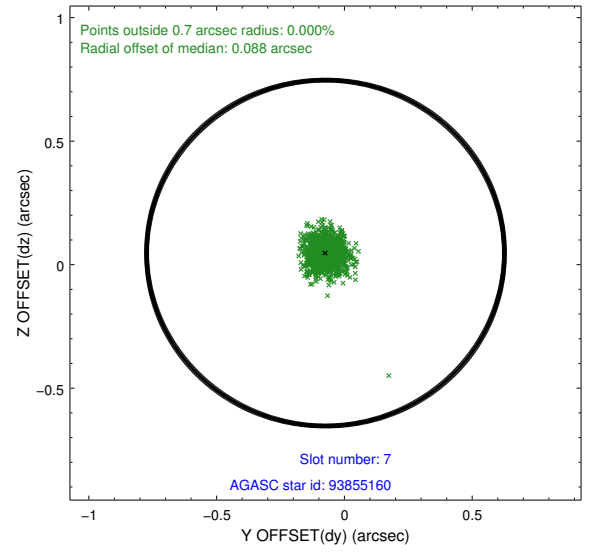
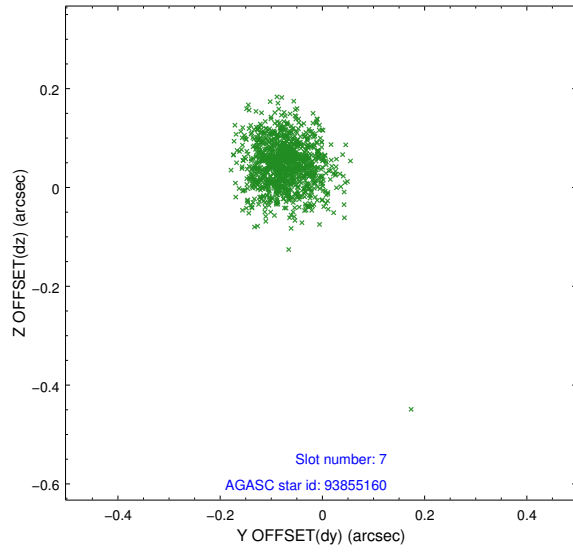
2.4.3 Slot 5



2.4.4 Slot 6

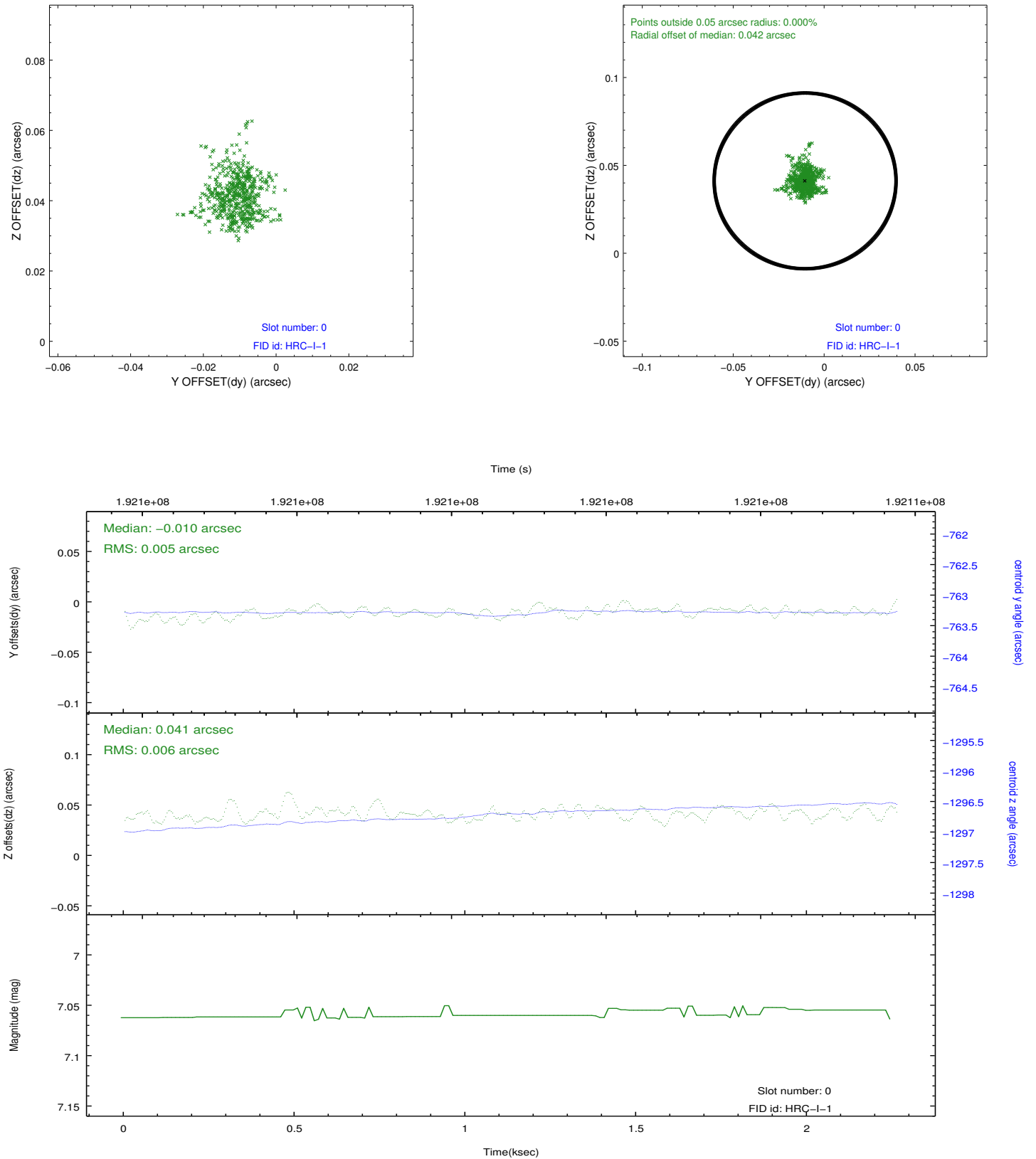


2.4.5 Slot 7

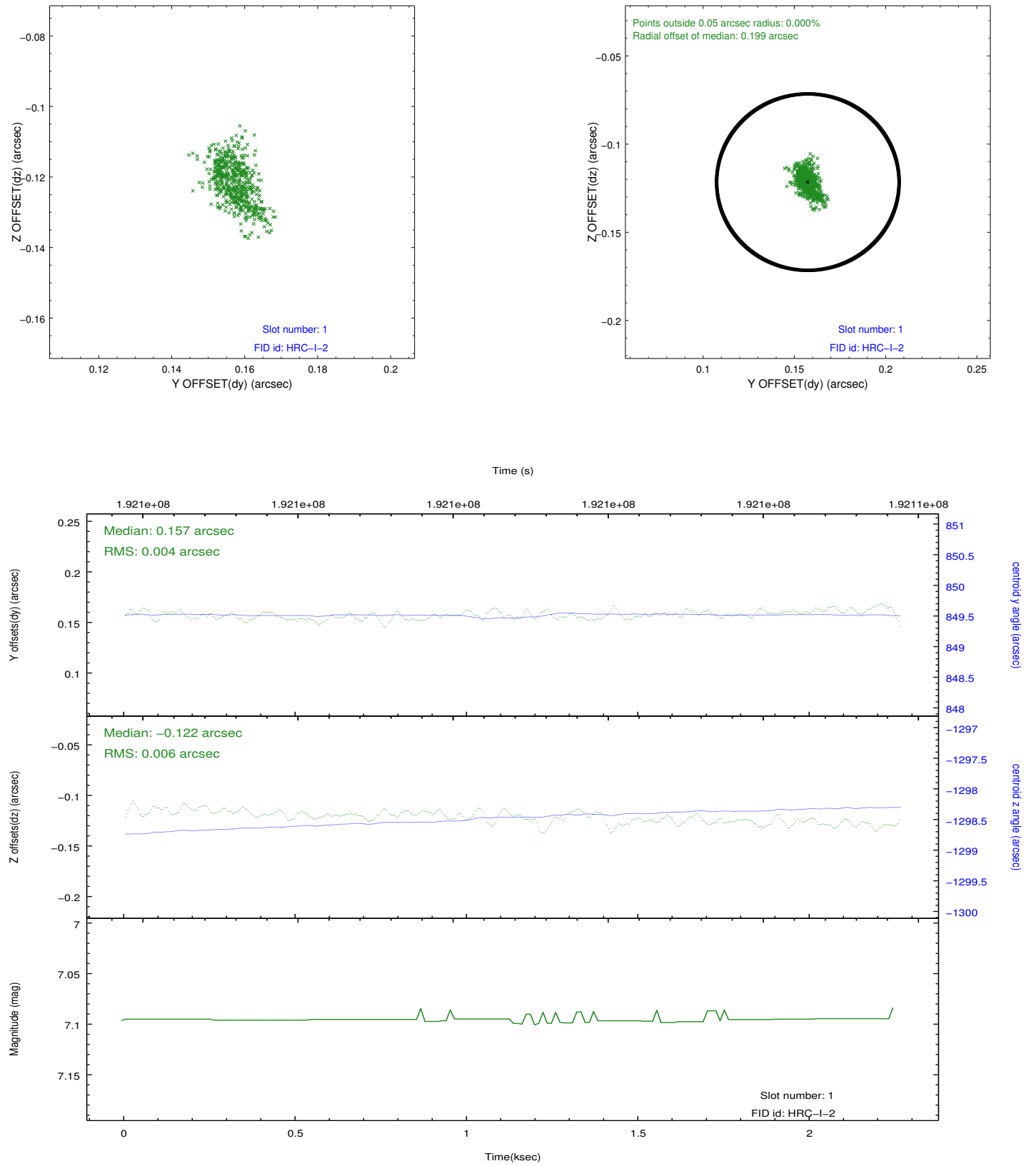


2.5 FID Slots

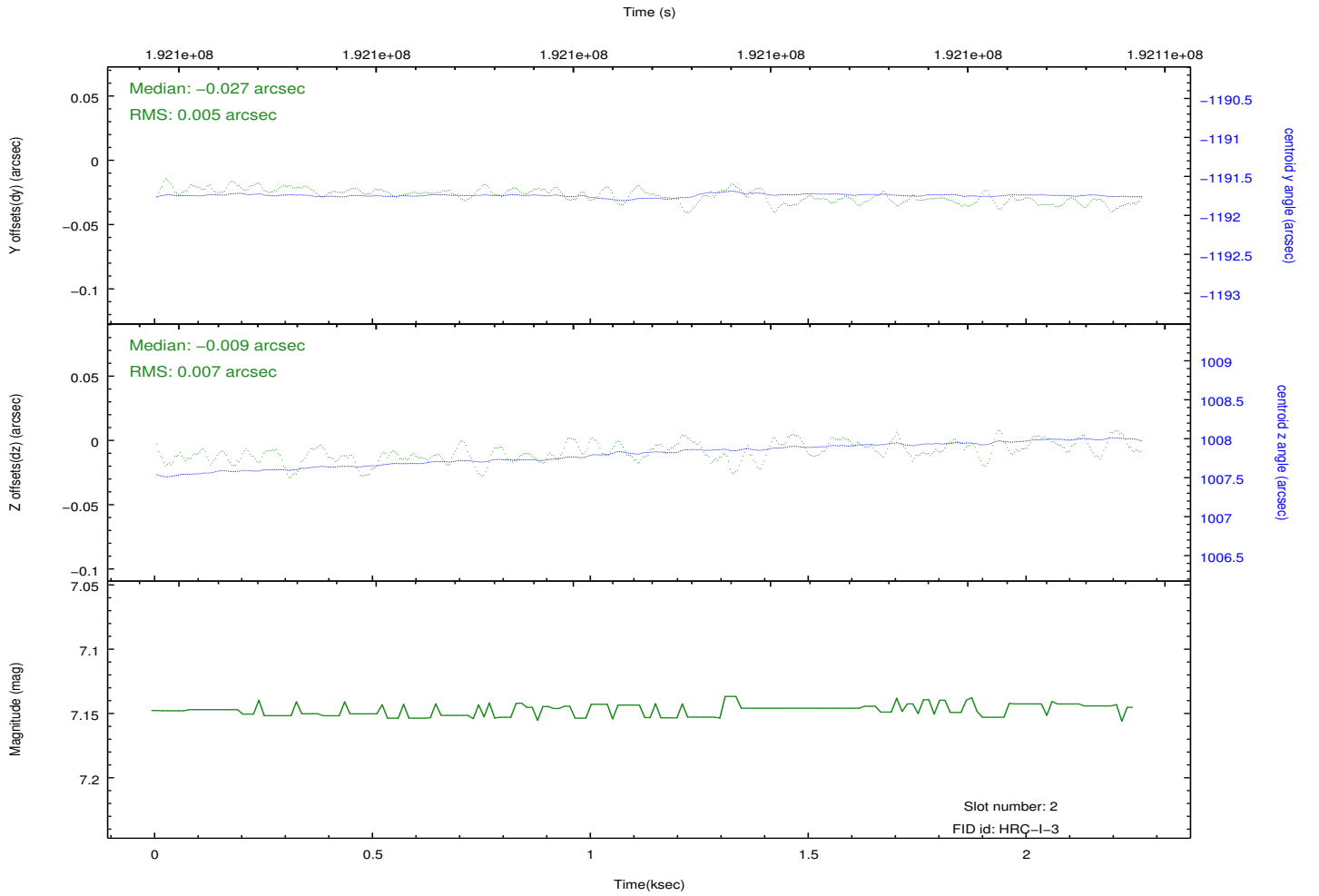
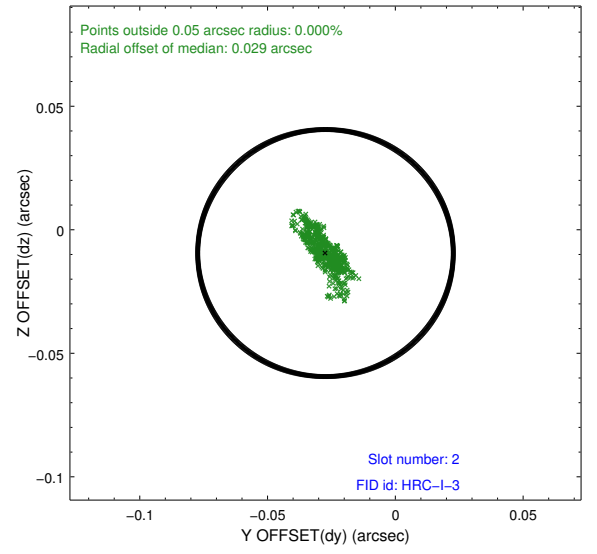
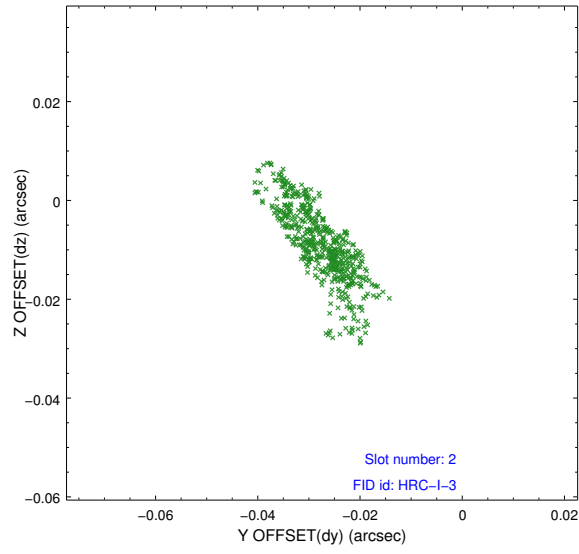
2.5.1 Slot 0



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)	2012.12.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.086

A.2 Comments

Window constraint met.