

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13033 - L2 Version 4
Chandra X-Ray Center

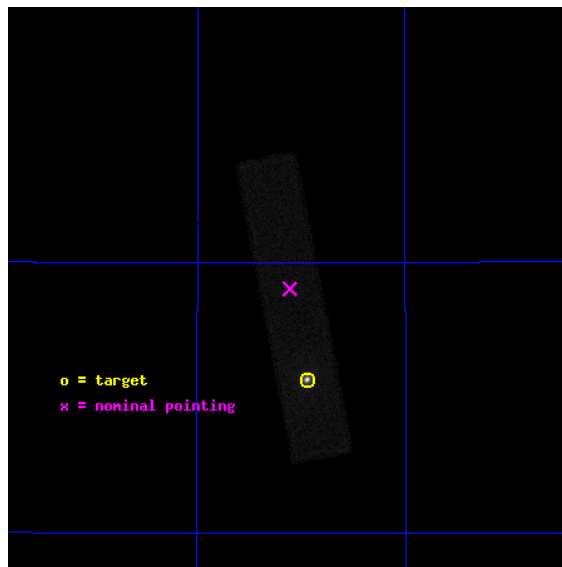
L2 Processing Date : Aug 9 2012

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

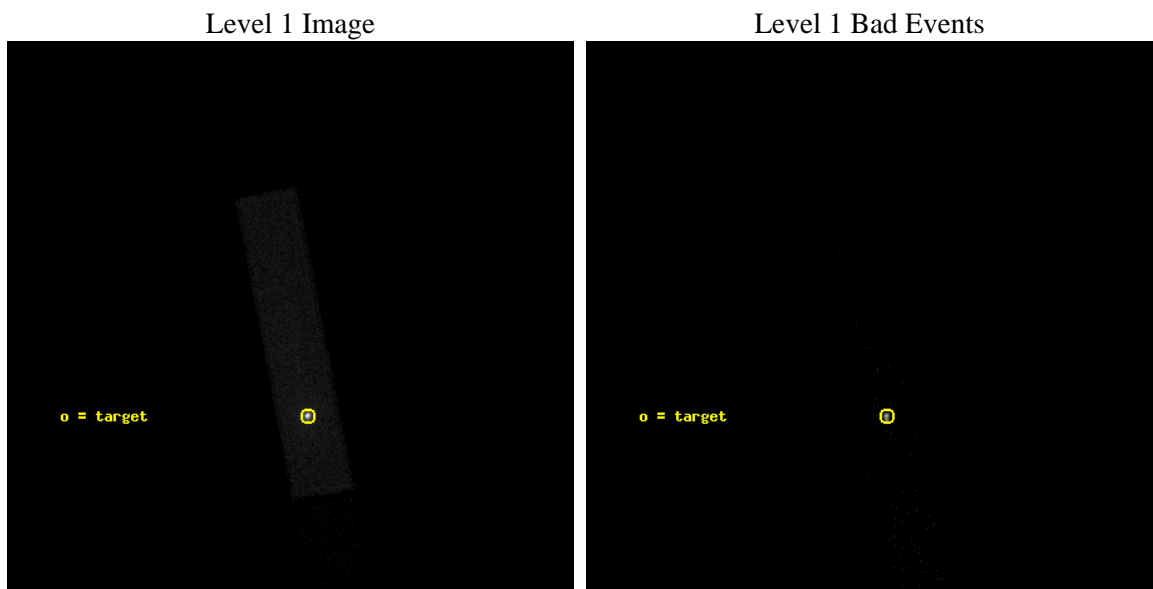
seq_num	290952	Sequence number
obs_id	13033	Observation id
title	AO-12 Measurements of the optical/UV Transmission of the HRC Filters.	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	Vega	Source name
ra_targ	279.235	Observer's specified target RA [deg]
dec_targ	38.783778	Observer's specified target Dec [deg]
ra_nom	279.27741259357	Nominal RA [deg]
dec_nom	38.951966247354	Nominal Dec [deg]
roll_nom	79.016627072838	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1181.8250612617	[s]
liveltime	1008.4640981266	Ontime multiplied by DTCOR
l2events	206970	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	1181.8250612617	[s]
caldsver	4.5.1.1	 	l1events	269171	Number of level 1 events
date	2012-08-09T16:57:12	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

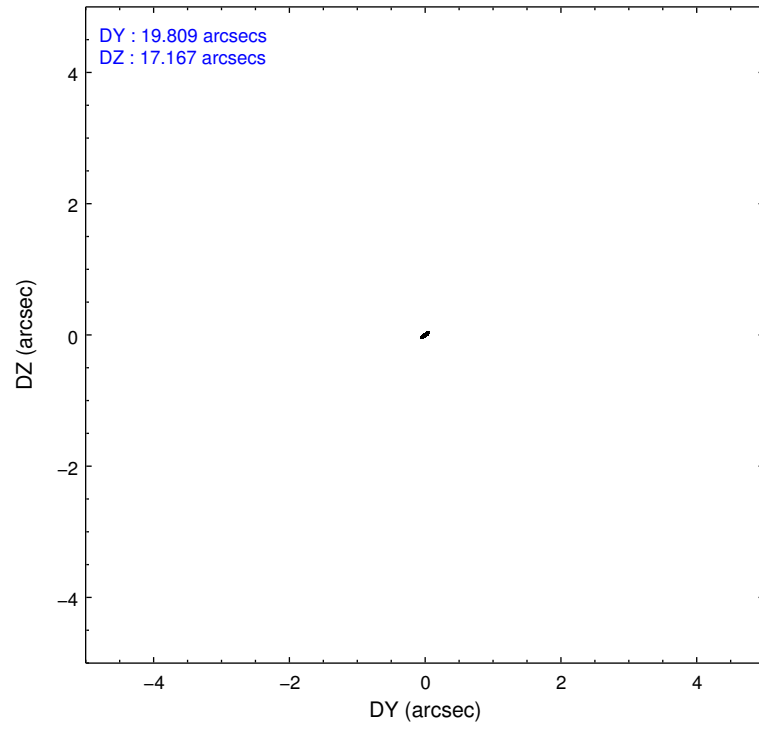
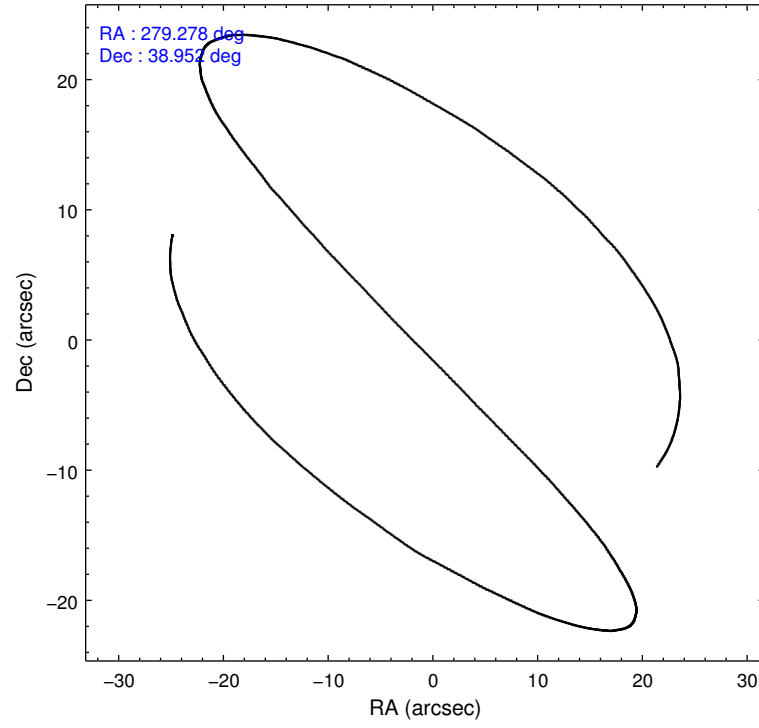
	segment 1	segment 2	segment 3
level 1 events	5346	263199	626
rejected events	5314	45283	626
rejected %	99%	17%	100%

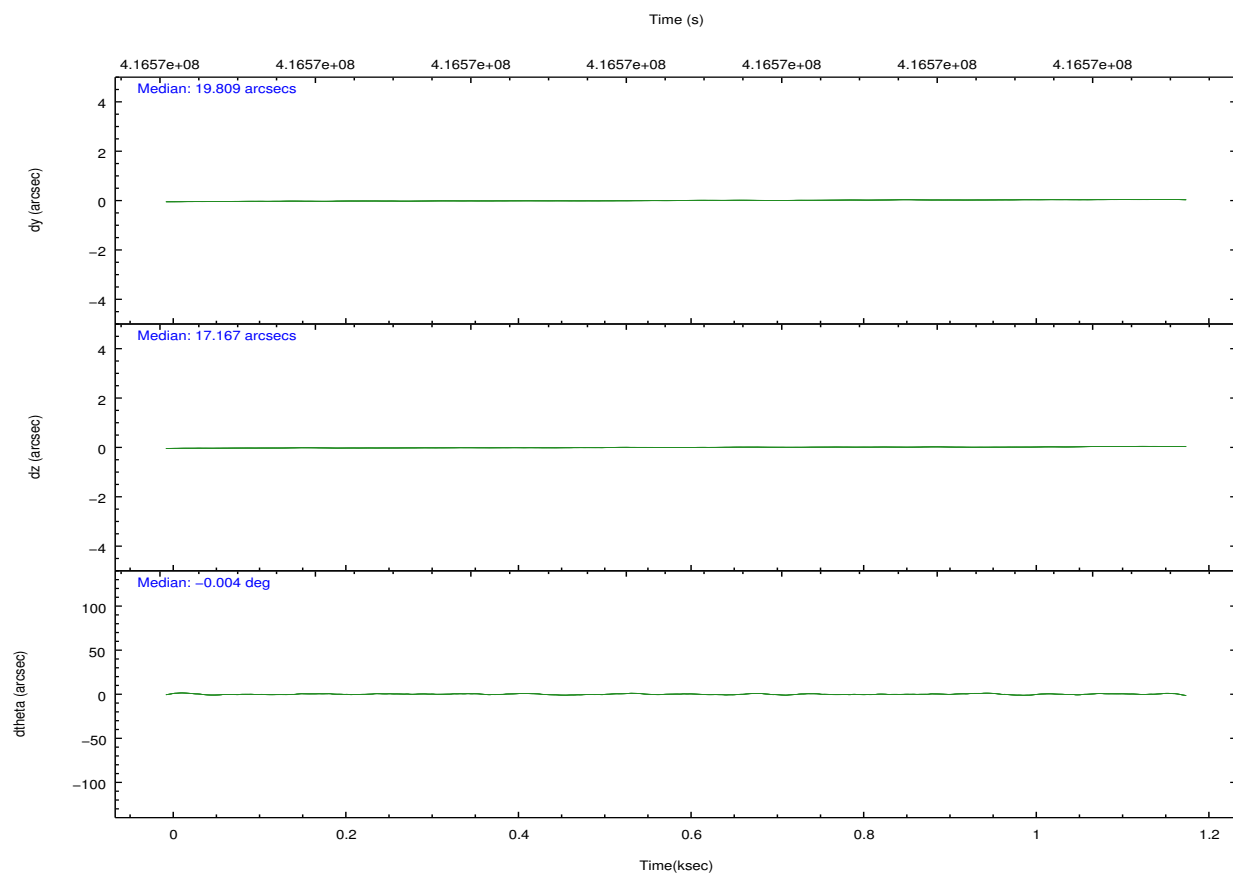
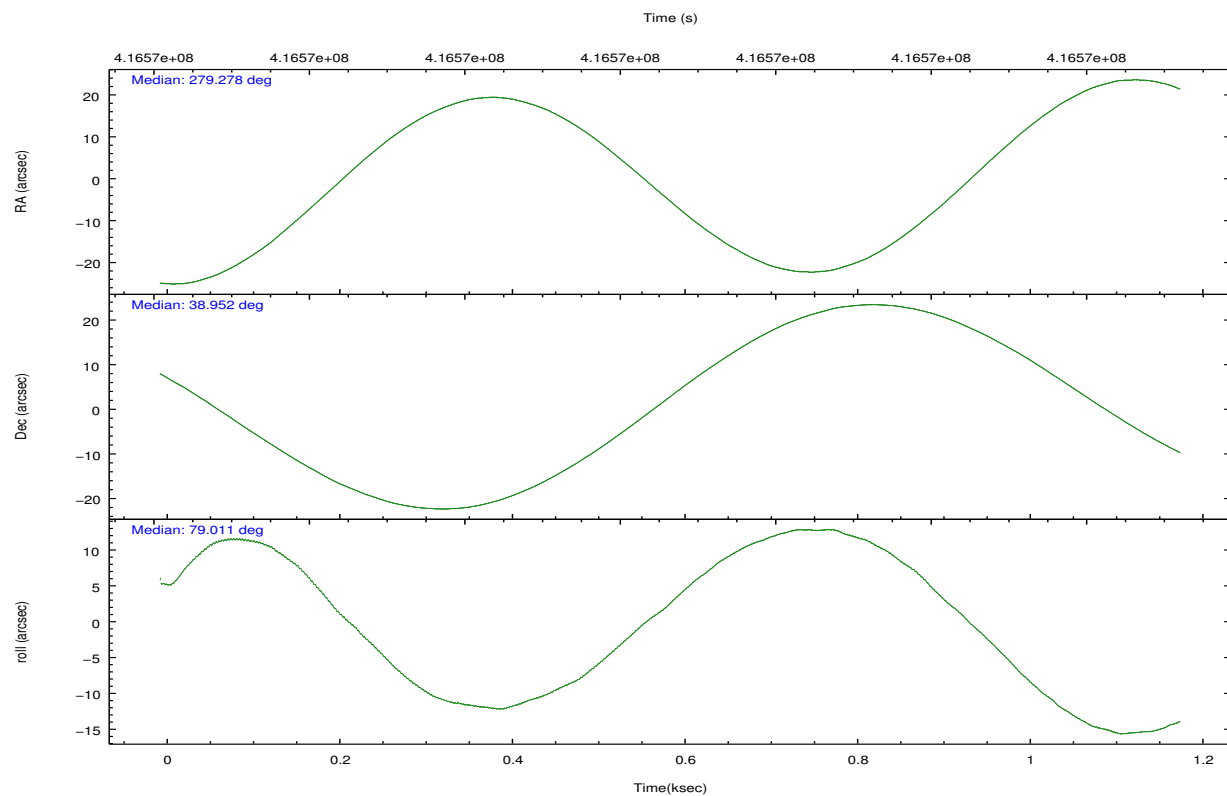
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	279.290983	279.2774125935724
[deg] Pointing Dec	38.925380	38.95196624735365
[deg] Pointing Roll	78.940824	79.01662707283788
[s] Window start time (MET)	415324866.184000	415324866.184000
[s] Window stop time (MET)	423187266.184000	423187266.184000
[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)	416568846.184000	416568469.96317
Observation start date	2011-03-15T09:33:00	2011-03-15T09:27:49
[s] Observation end time (MET)	416569846.184000	416569980.30074
Observation end date	2011-03-15T09:49:40	2011-03-15T09:53:00

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



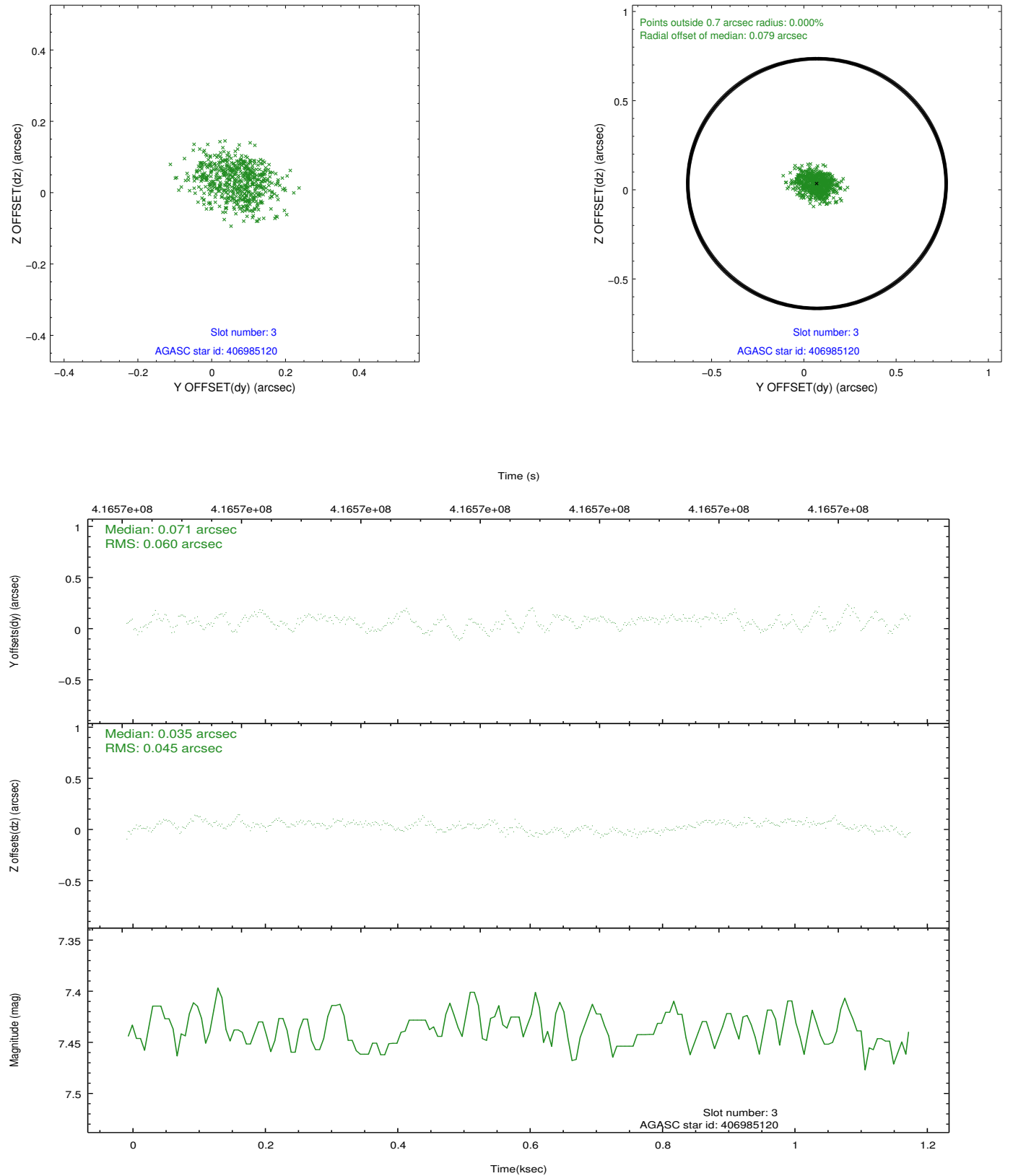


Slot Statistics

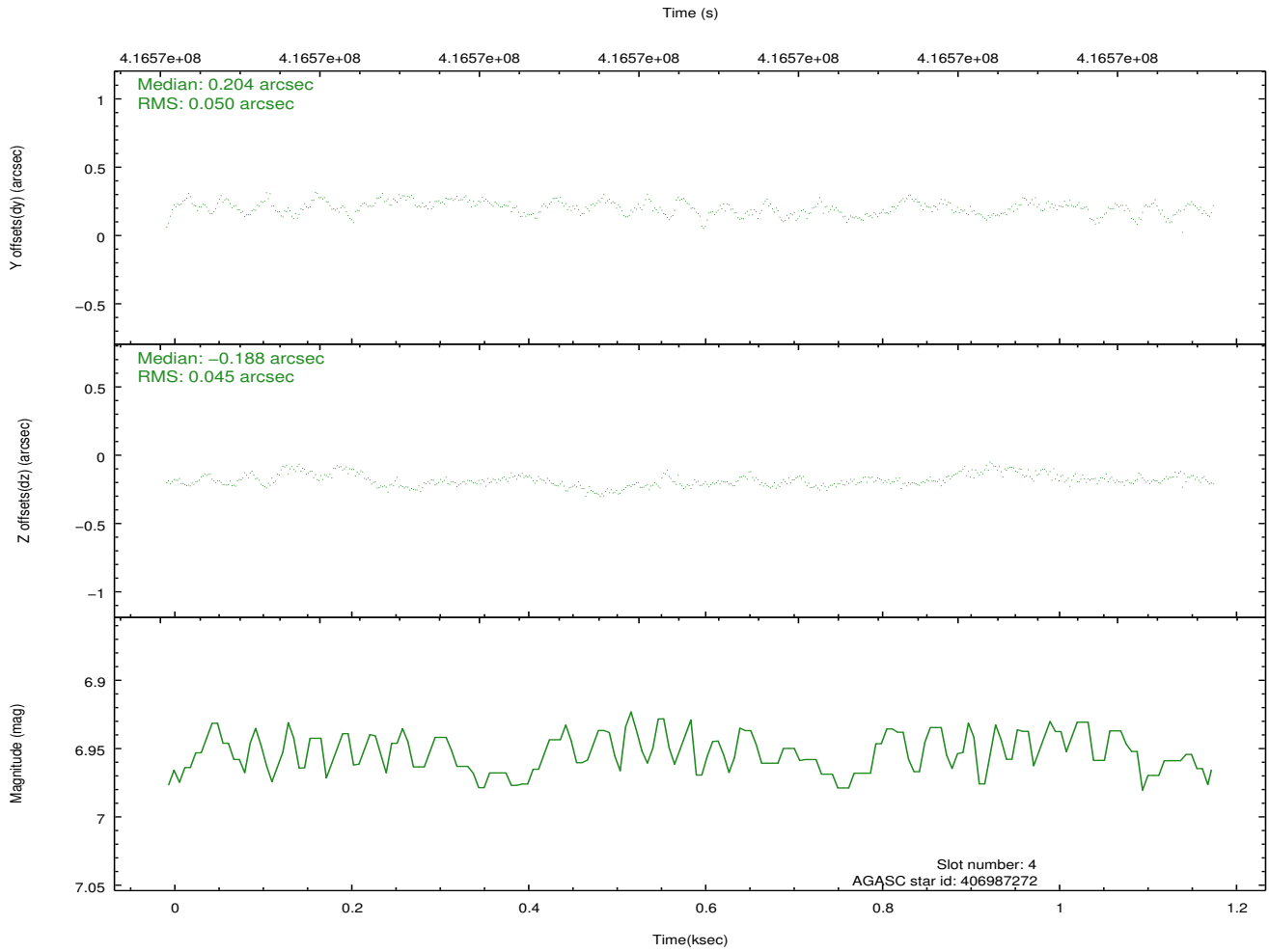
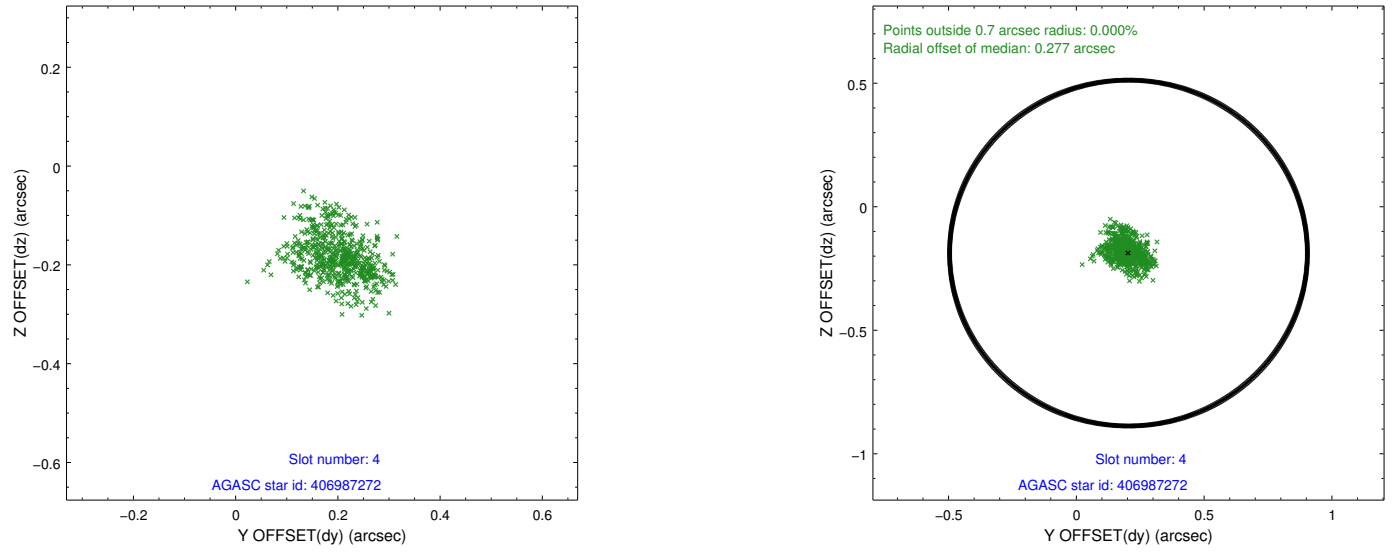
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	289	0.029	-0.157	0.007	0.011	0.000000	0.000000	-1174.37	-466.11
1	FID	HRC-S-2	6.98	289	0.226	-0.098	0.004	0.010	0.000000	0.000000	1221.42	-460.27
2	FID	HRC-S-3	7.01	289	0.134	-0.047	0.007	0.012	0.000000	0.000000	-1172.78	561.93
3	GUIDE	406985120	7.44	578	0.071	0.035	0.081	0.127	278.839732	38.894839	-347.20	1220.93
4	GUIDE	406987272	6.95	578	0.204	-0.188	0.073	0.113	278.536588	38.437504	-2123.08	1755.31
5	GUIDE	407510432	8.13	578	-0.018	-0.163	0.075	0.133	278.762778	39.530640	1857.73	1861.85
6	GUIDE	407513096	8.15	578	-0.253	0.206	0.079	0.130	279.928965	39.436841	2156.78	-1382.37
7	GUIDE	407521232	8.65	577	0.012	0.131	0.091	0.141	279.628883	39.431715	1974.91	-573.70

2.4 Star Slots

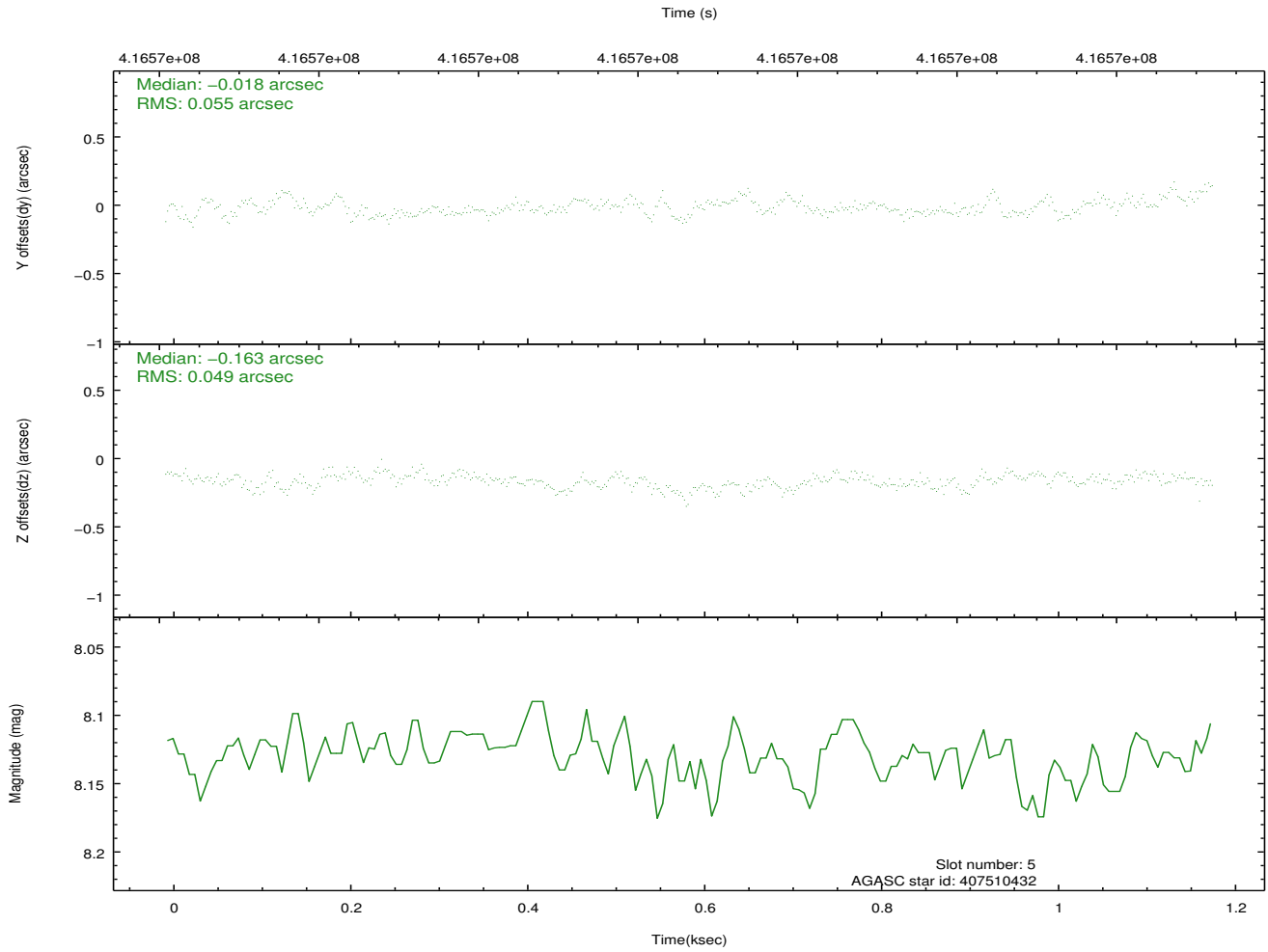
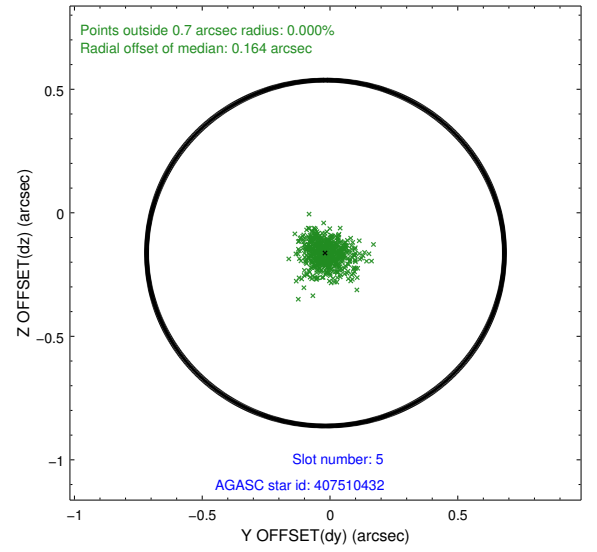
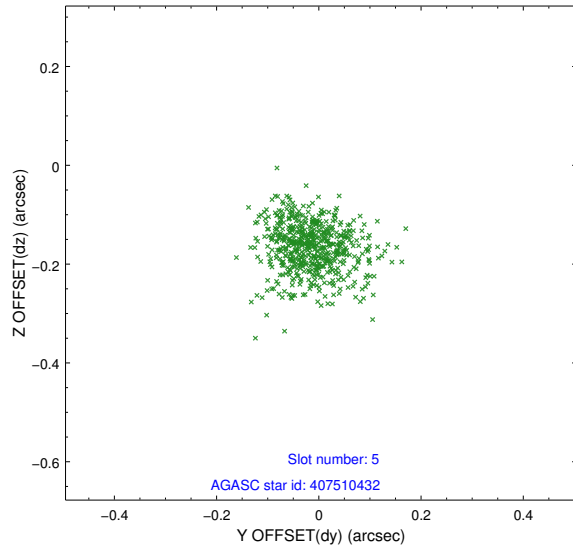
2.4.1 Slot 3



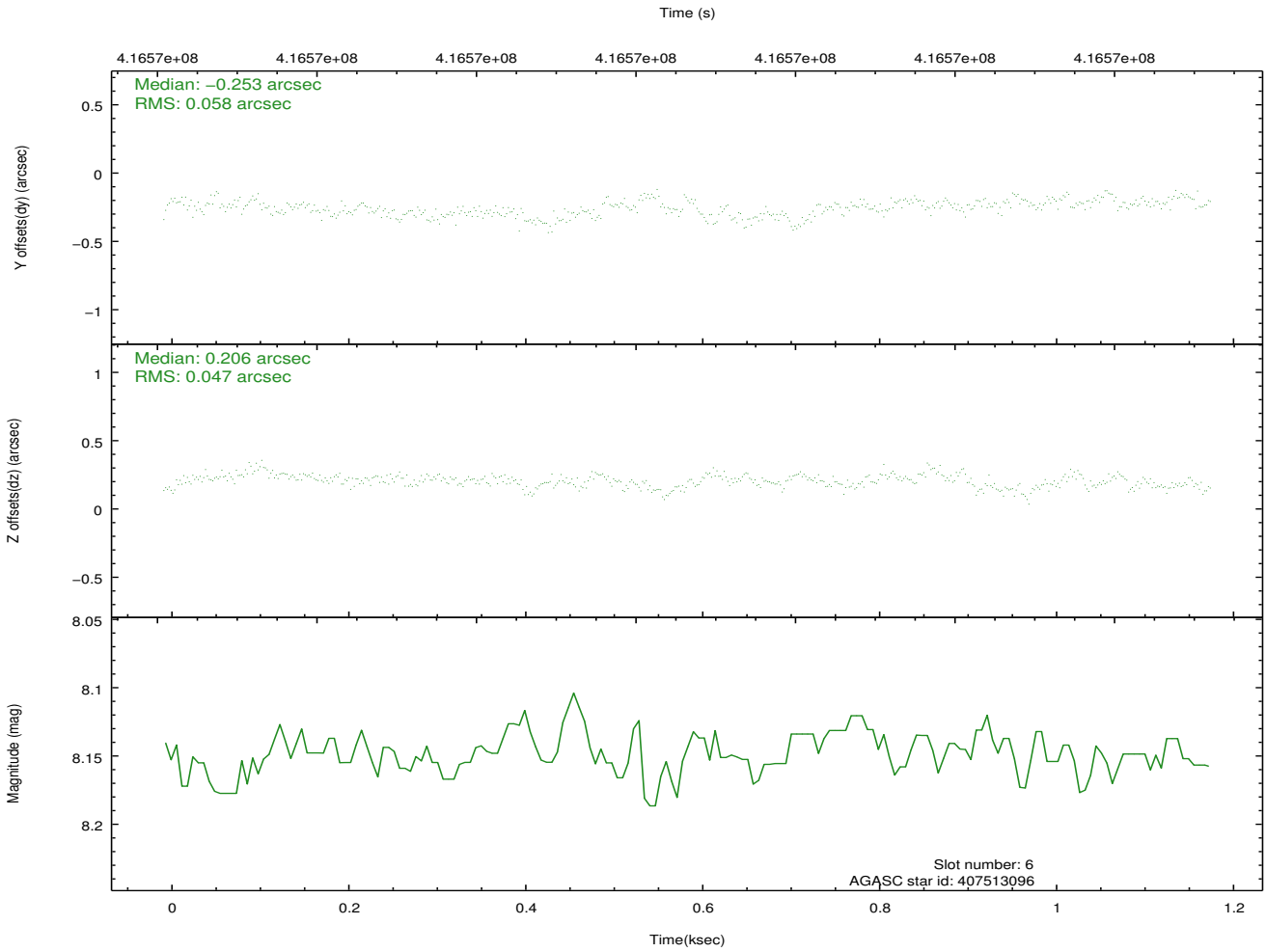
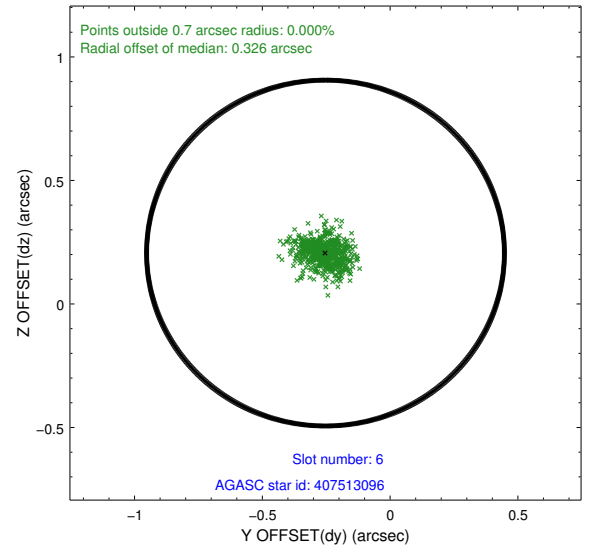
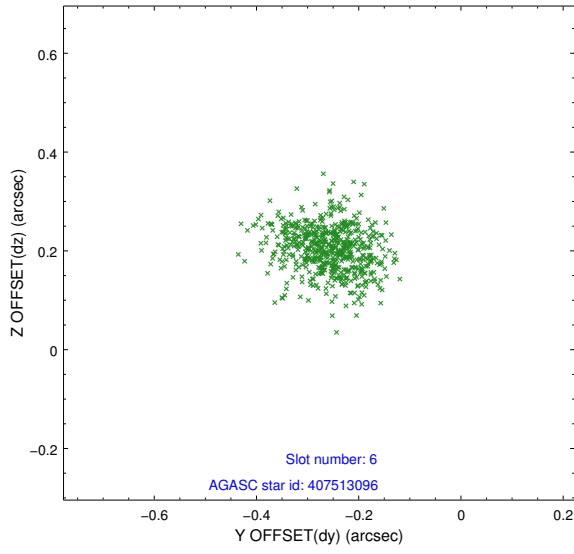
2.4.2 Slot 4



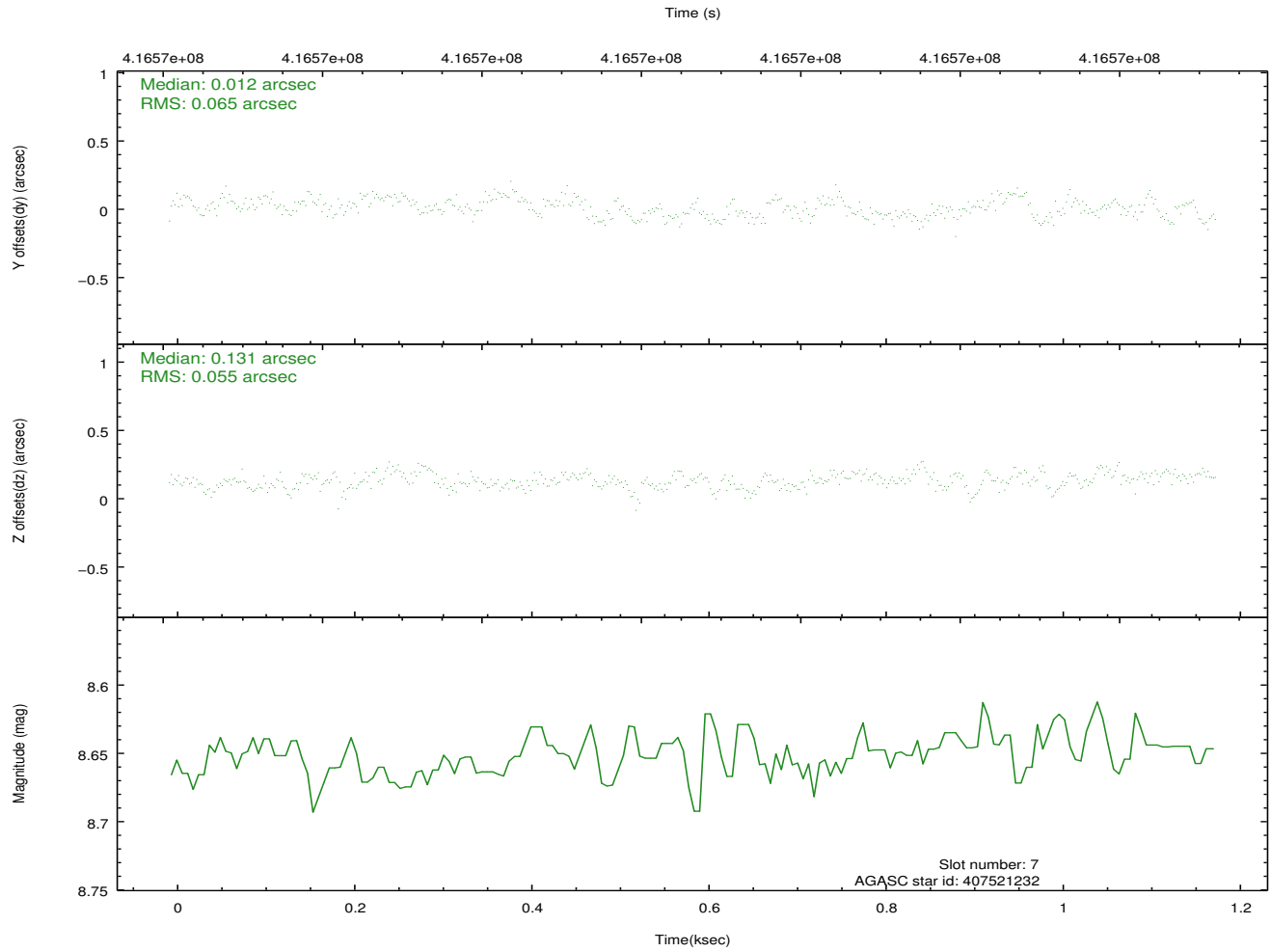
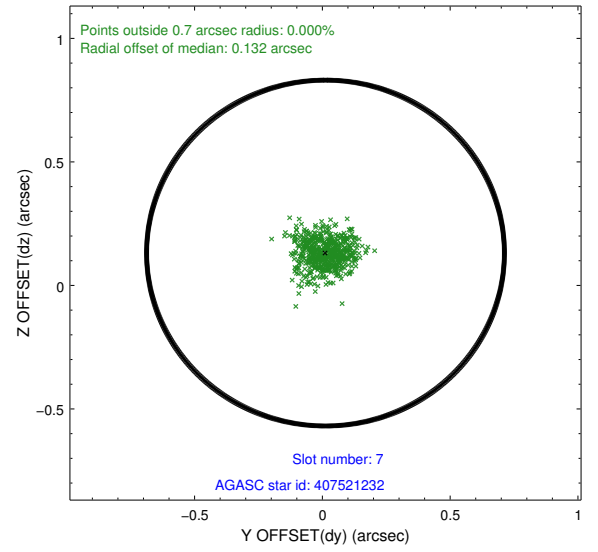
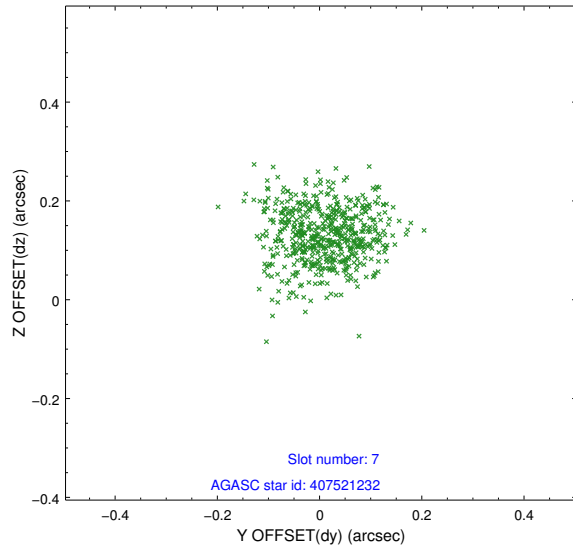
2.4.3 Slot 5



2.4.4 Slot 6

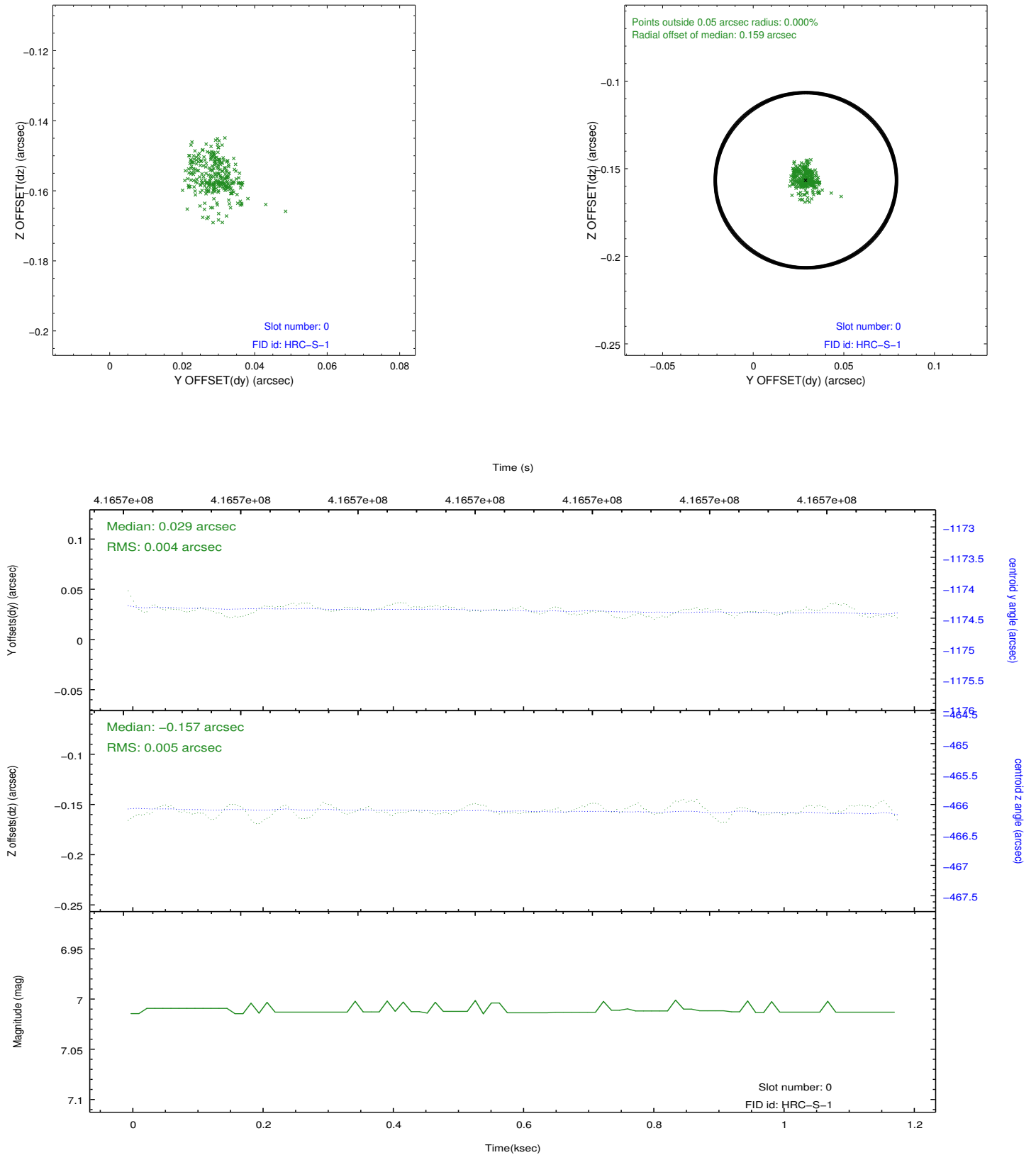


2.4.5 Slot 7

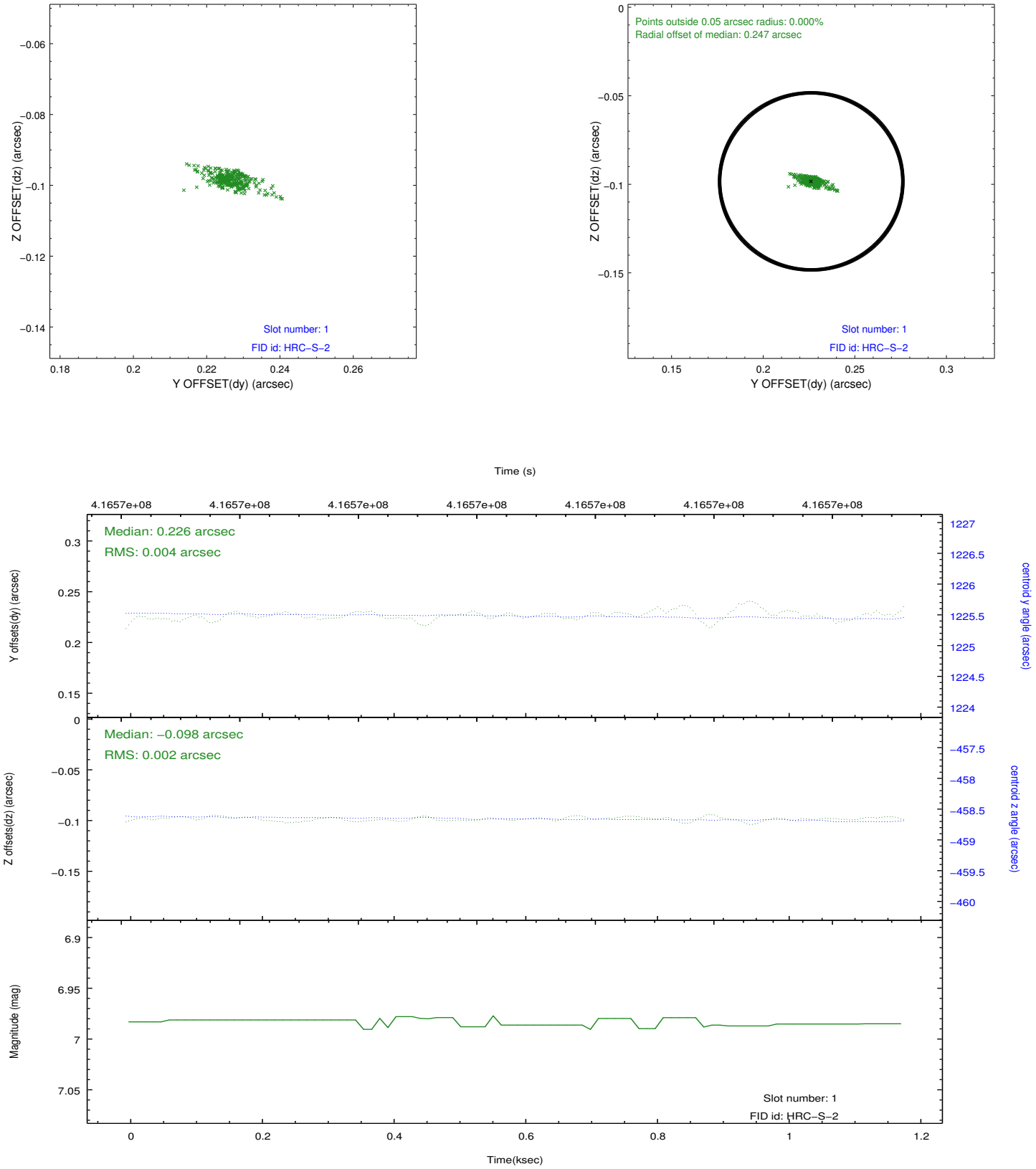


2.5 FID Slots

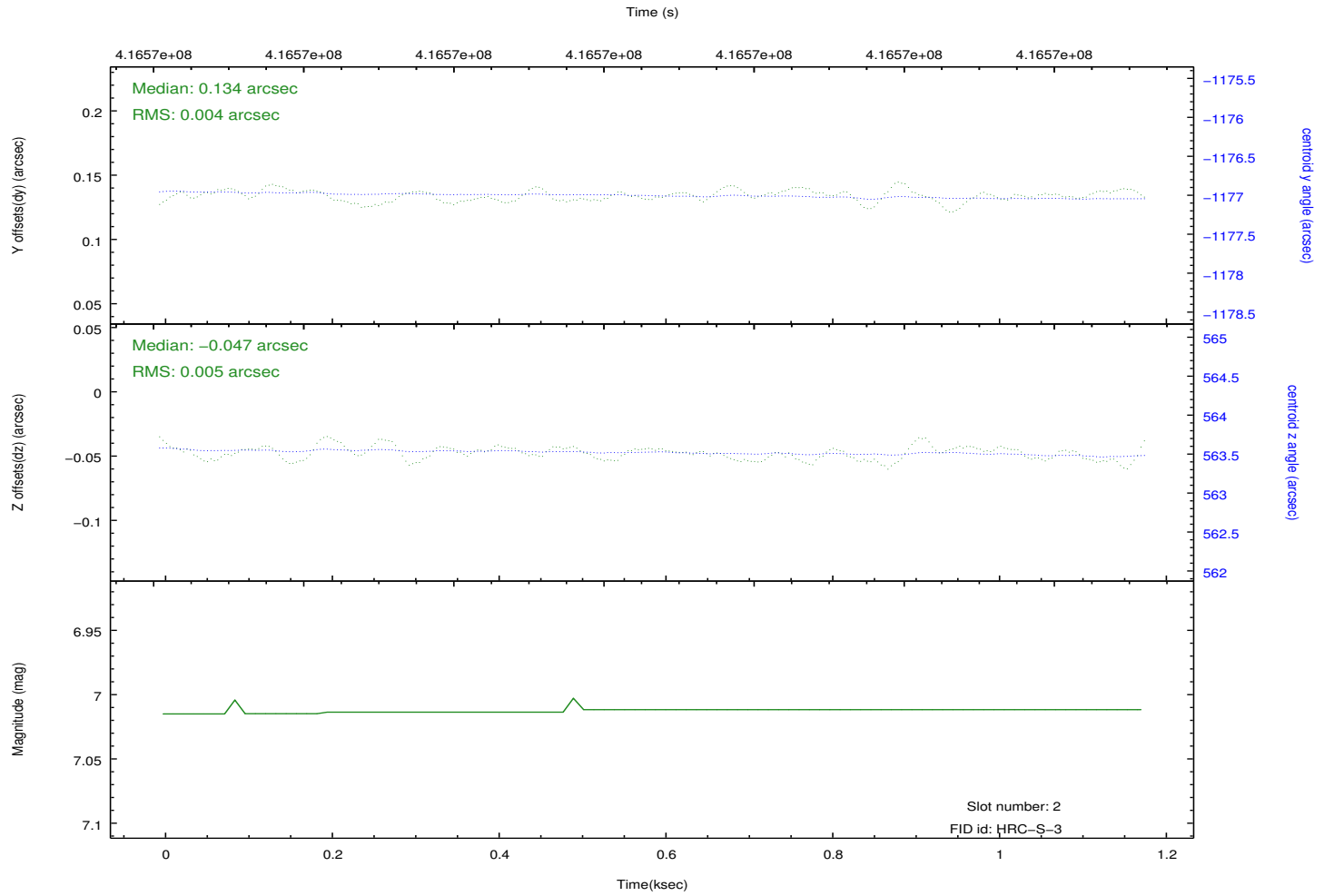
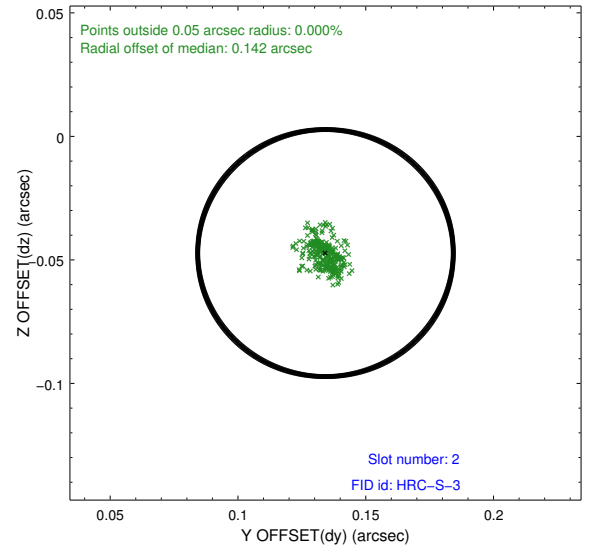
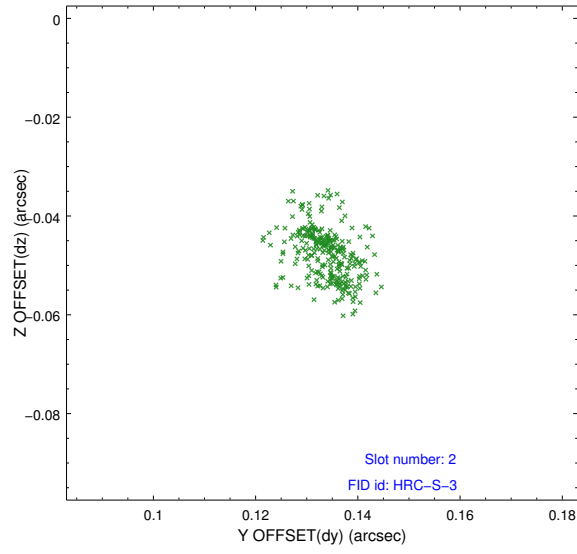
2.5.1 Slot 0



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)	2012.08.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1820813112855

A.2 Comments

Window preference met.