

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 6478 - L2 Version 3
Chandra X-Ray Center

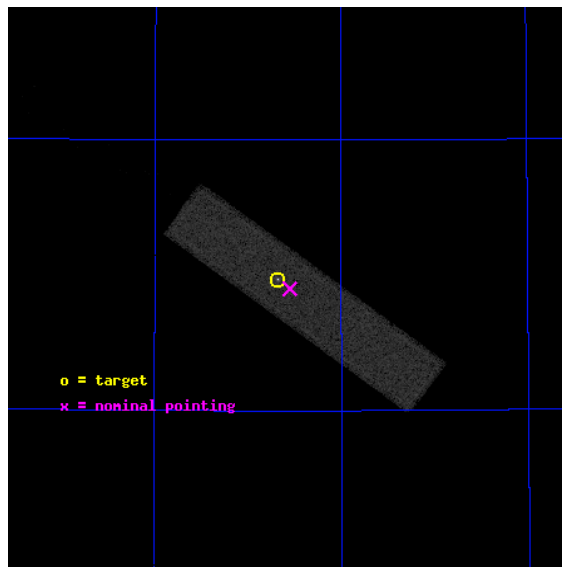
L2 Processing Date : Aug 11 2012

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1 Front

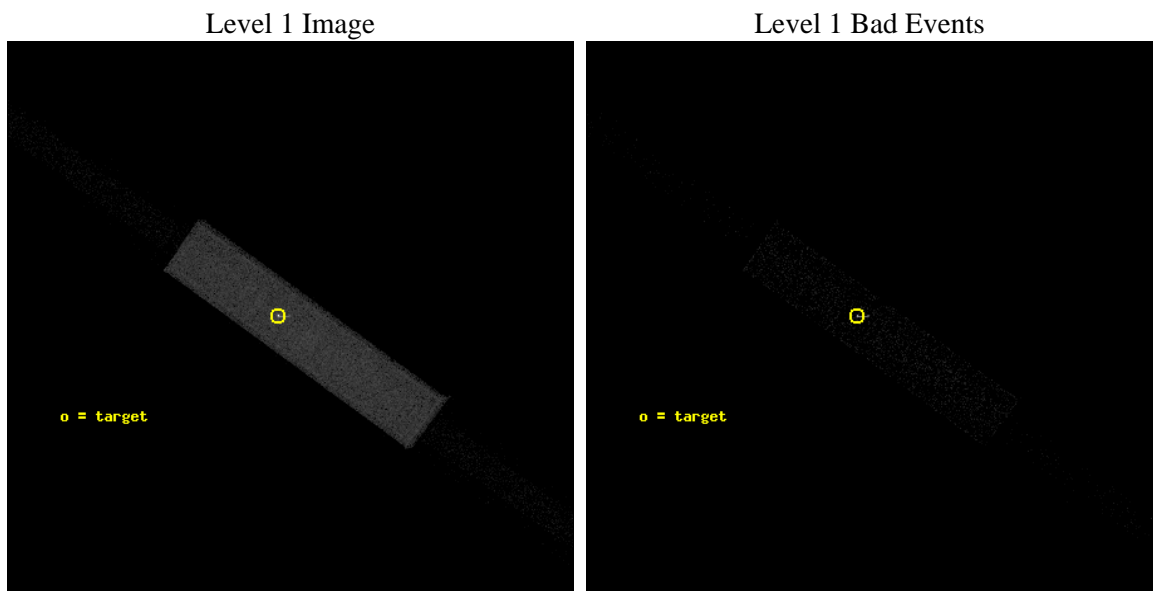
seq_num	290571	Sequence number
obs_id	6478	Observation id
title	AO7 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.13764127706	Nominal RA [deg]
dec_nom	45.725212412552	Nominal Dec [deg]
roll_nom	35.797644422319	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1147.2313033938	[s]
livetime	1137.5705925302	Ontime multiplied by DTCOR
l2events	72132	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	1147.2313033938	[s]
caldbver	4.5.1.1	 	l1events	113966	Number of level 1 events
date	2012-08-11T03:35:00	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

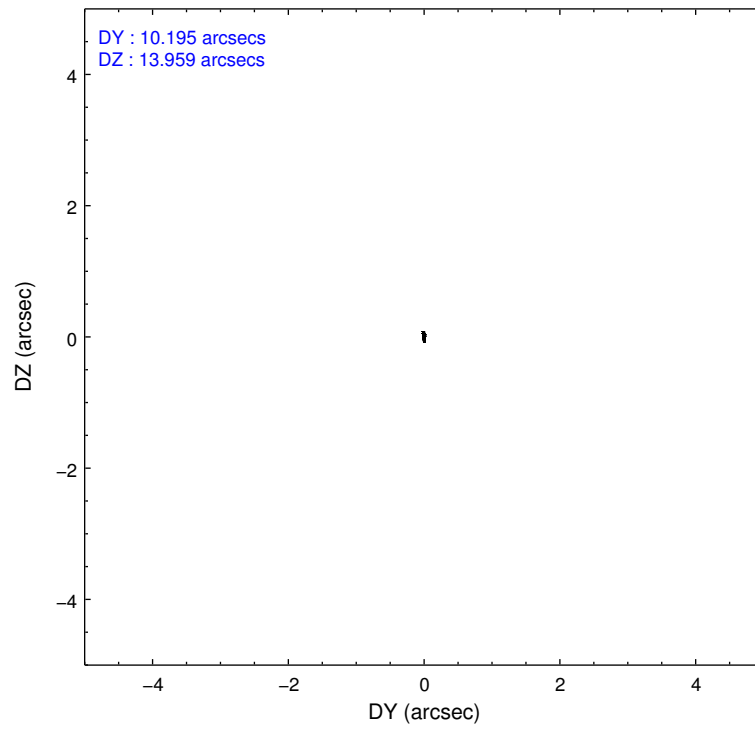
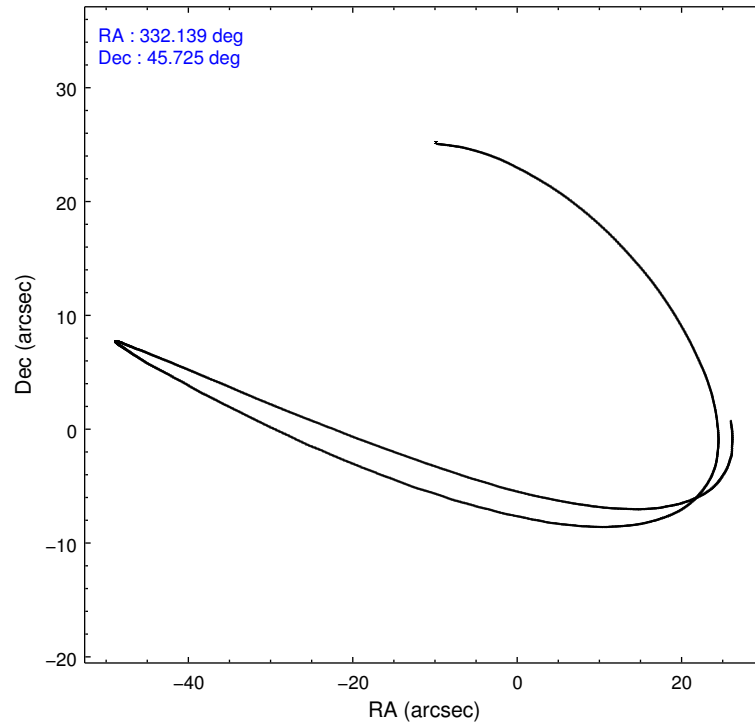
	segment 1	segment 2	segment 3
level 1 events	1611	110908	1447
rejected events	1611	25585	1426
rejected %	100%	23%	98%

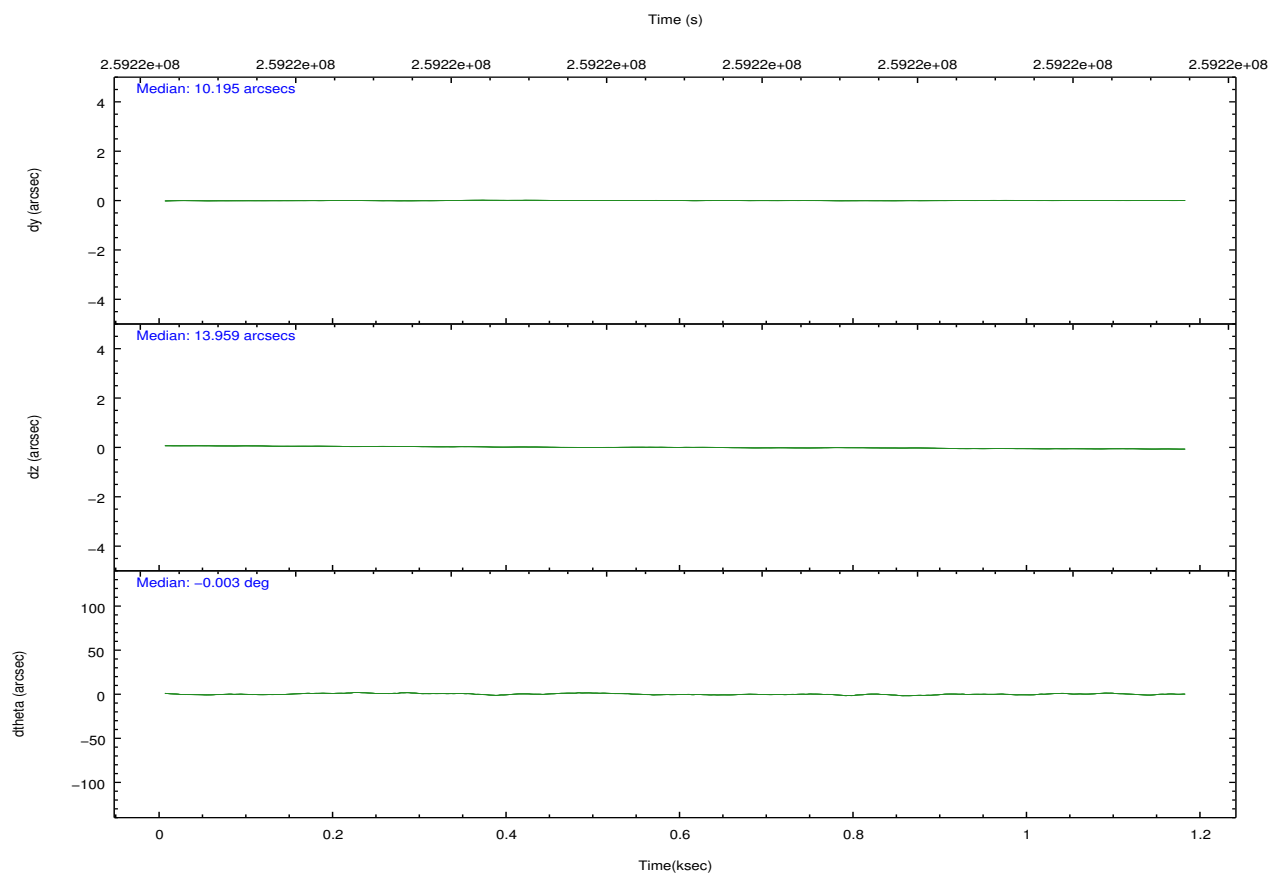
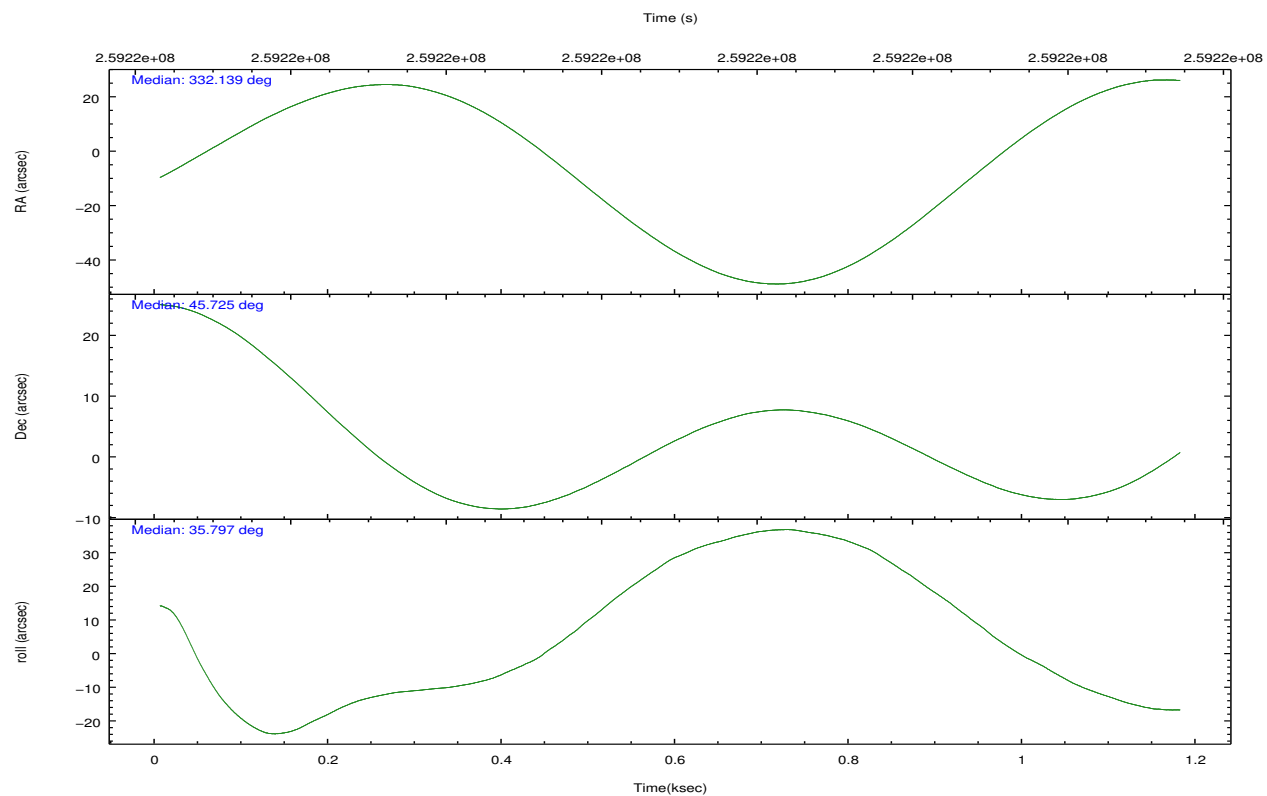
2.2 Compared Parameters

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	332.121857	332.1376412770595
[deg] Pointing Dec	45.698835	45.72521241255178
[deg] Pointing Roll	35.741658	35.79764442231934
[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)	259223479.184000	259223103.26736
Observation start date	2006-03-20T06:30:14	2006-03-20T06:25:03
[s] Observation end time (MET)	259224479.184000	259224613.60493
Observation end date	2006-03-20T06:46:54	2006-03-20T06:50:13

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

2.3 Aspect



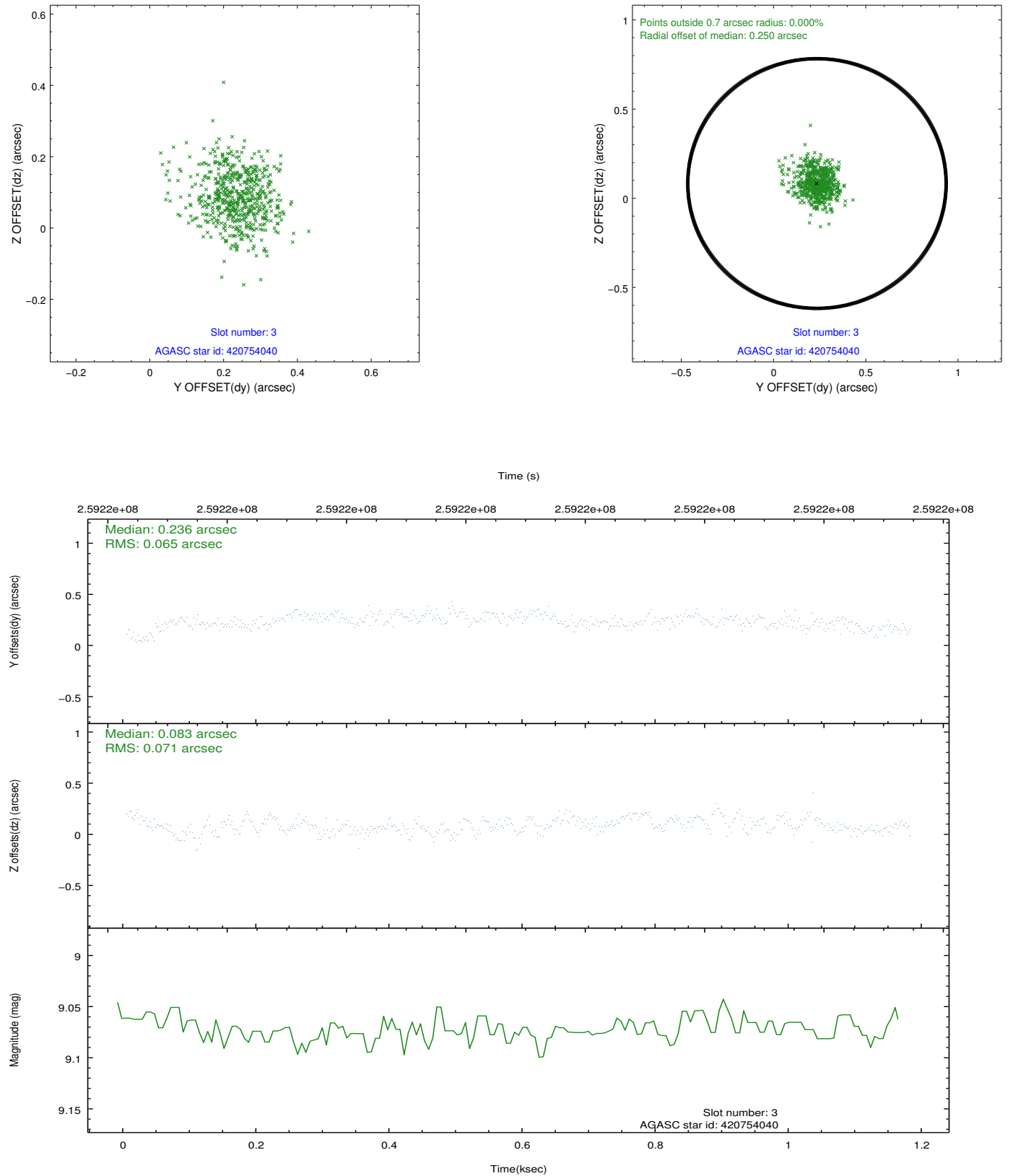


Slot Statistics

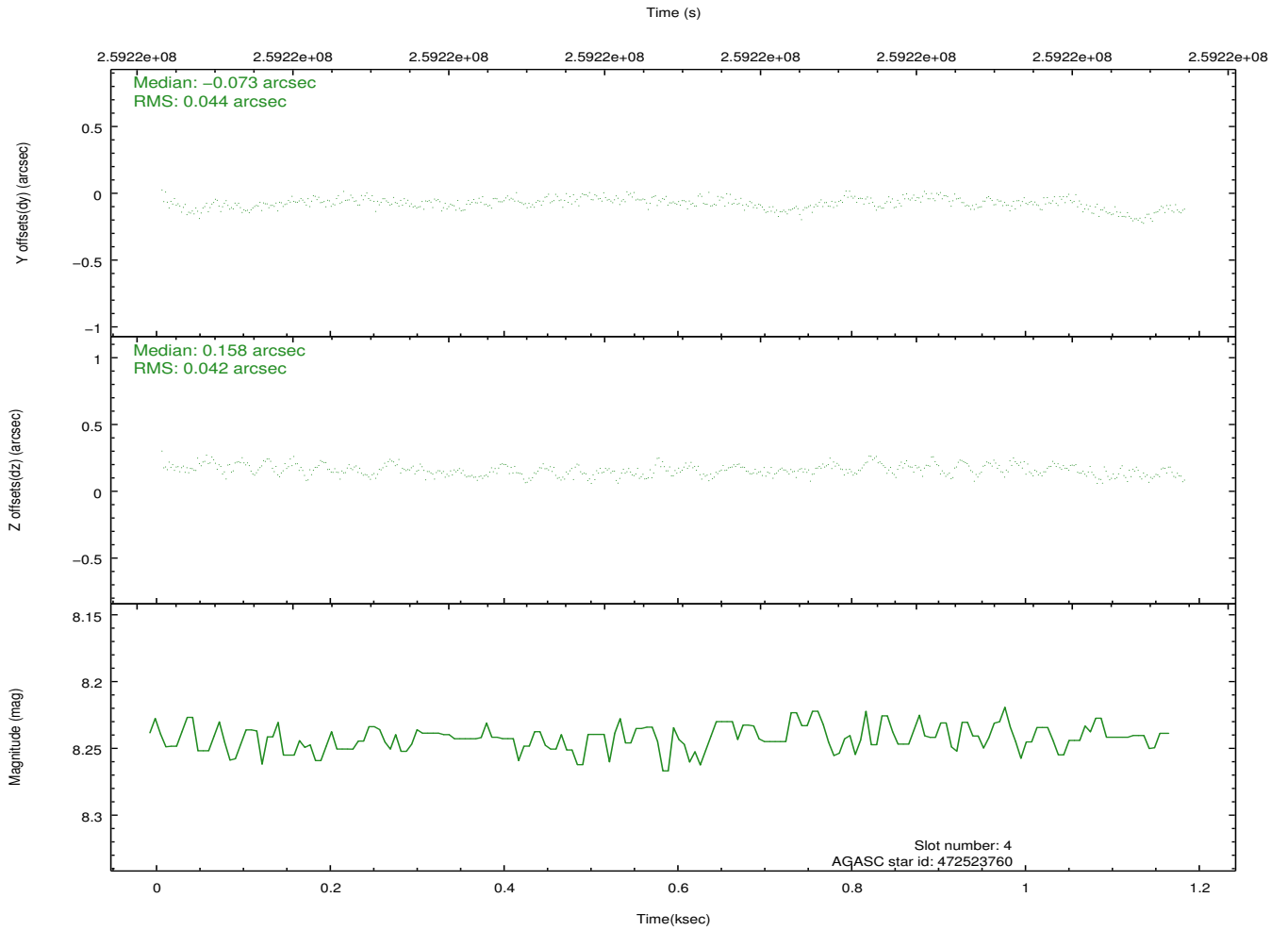
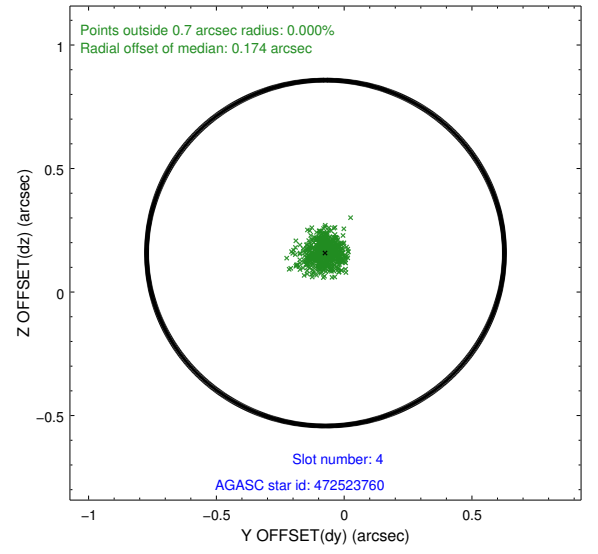
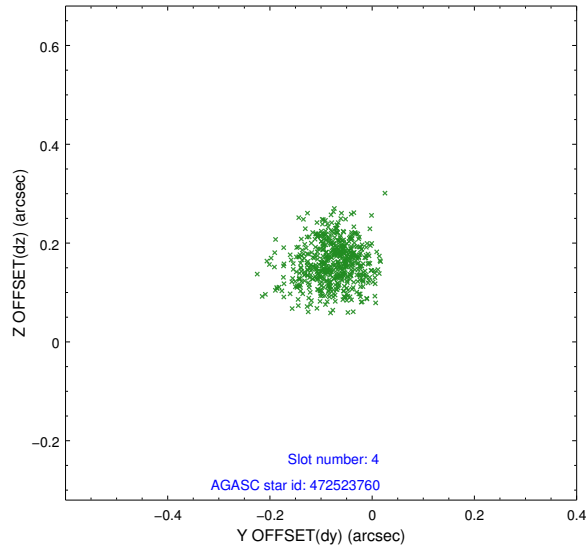
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.06	287	0.126	-0.194	0.009	0.014	0.000000	0.000000	-1164.41	-462.79
1	FID	HRC-S-2	7.04	287	0.146	-0.106	0.006	0.010	0.000000	0.000000	1231.21	-456.96
2	FID	HRC-S-3	7.06	287	0.117	-0.001	0.009	0.014	0.000000	0.000000	-1162.85	565.33
3	GUIDE	420754040	9.07	575	0.236	0.083	0.101	0.169	331.917939	44.882543	-2138.60	-2078.82
4	GUIDE	472523760	8.24	575	-0.073	0.158	0.065	0.106	331.645363	45.403260	-1601.96	-158.51
5	GUIDE	472525528	6.62	575	0.133	-0.005	0.082	0.144	331.551102	45.248694	-2121.46	-464.23
6	GUIDE	472651904	6.10	574	-0.007	-0.154	0.087	0.138	332.170077	45.742257	184.83	57.75
7	BAD	472659832	9.47	528	-0.317	-0.074	0.098	0.231	332.780399	46.098139	2178.58	212.95

2.4 Star Slots

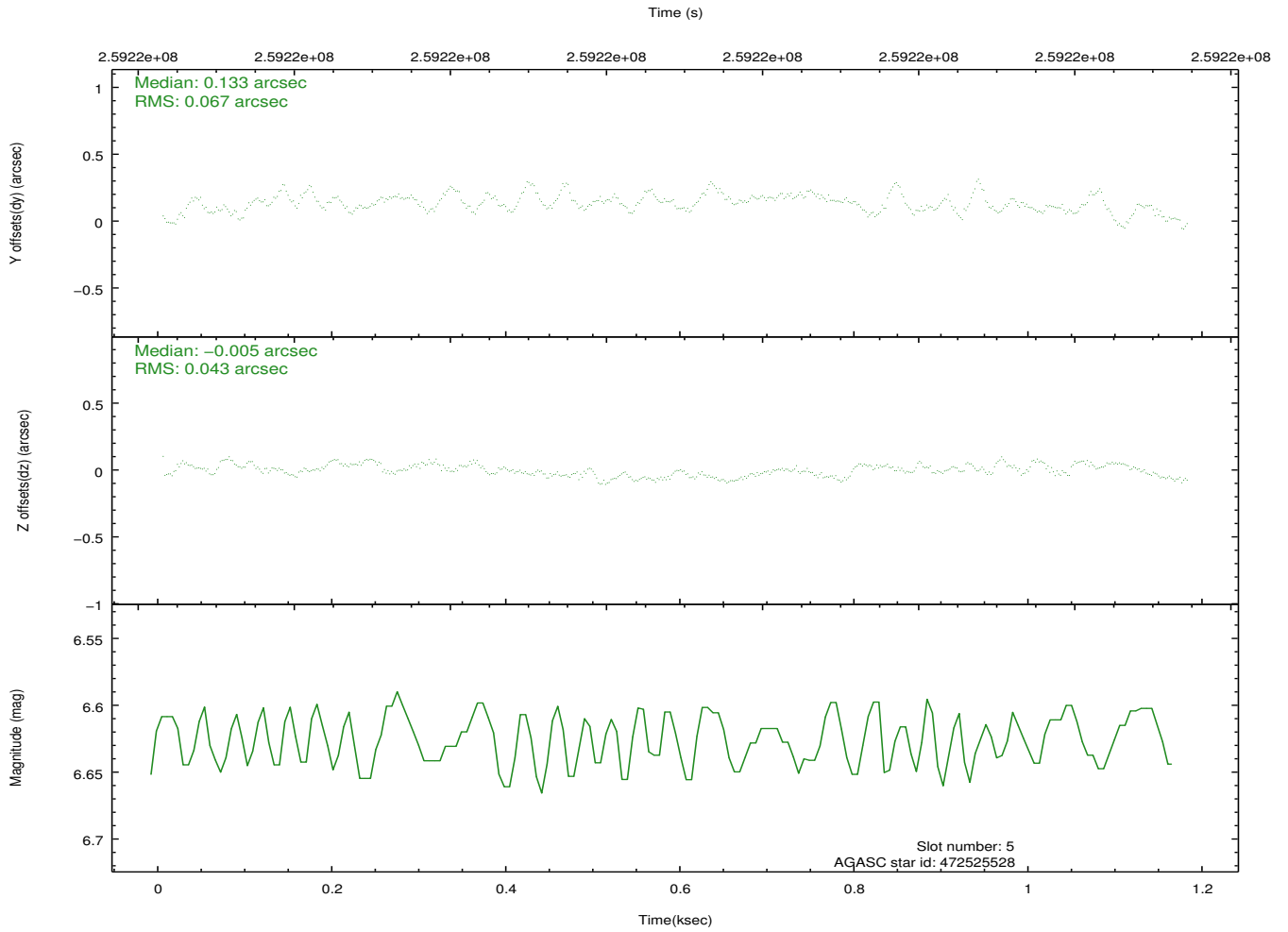
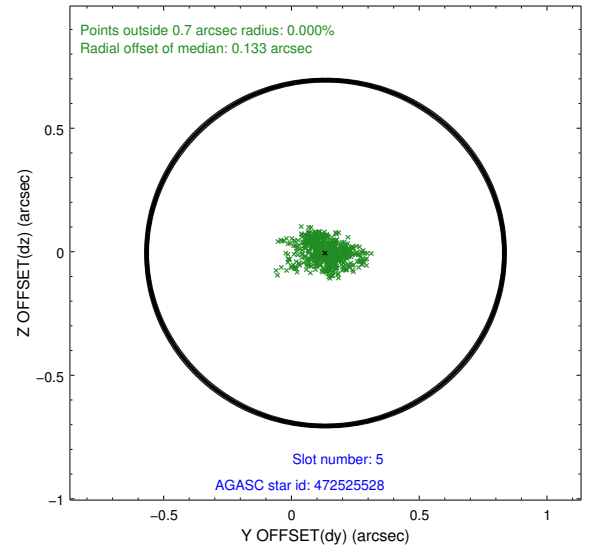
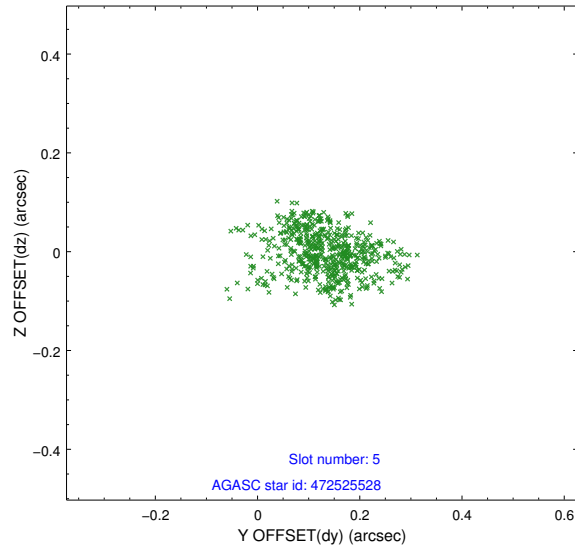
2.4.1 Slot 3



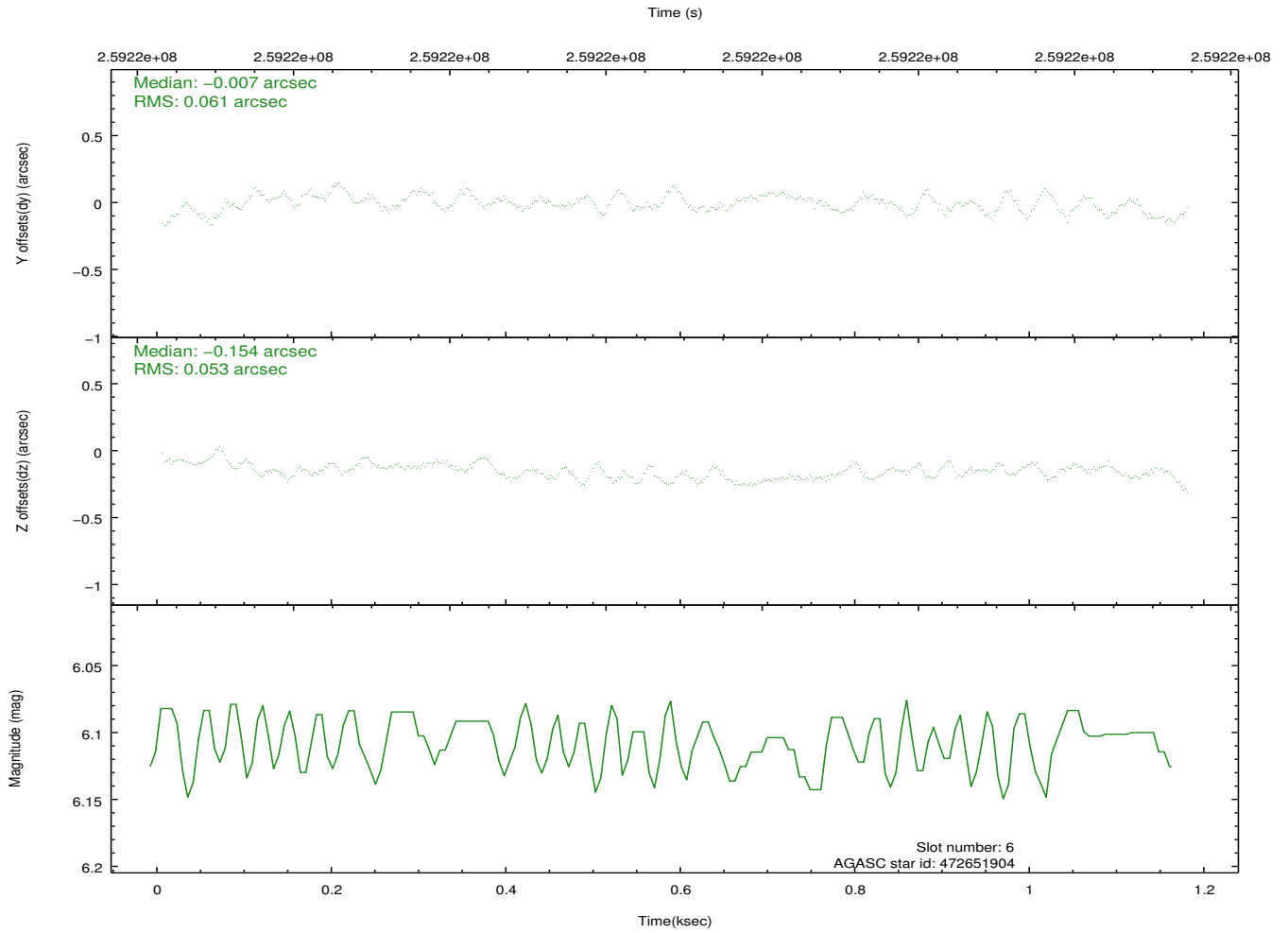
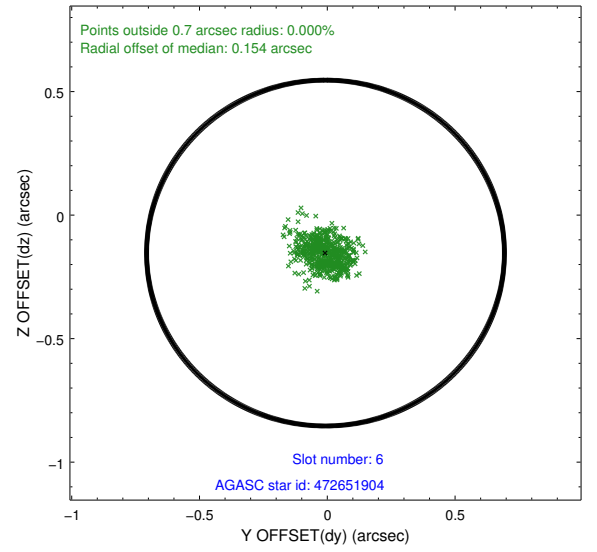
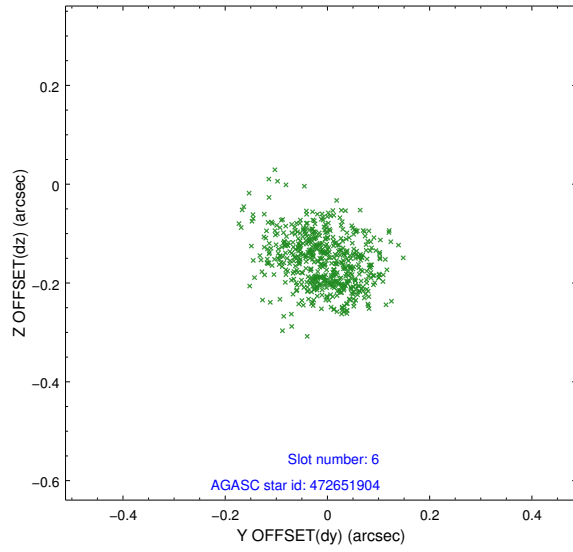
2.4.2 Slot 4



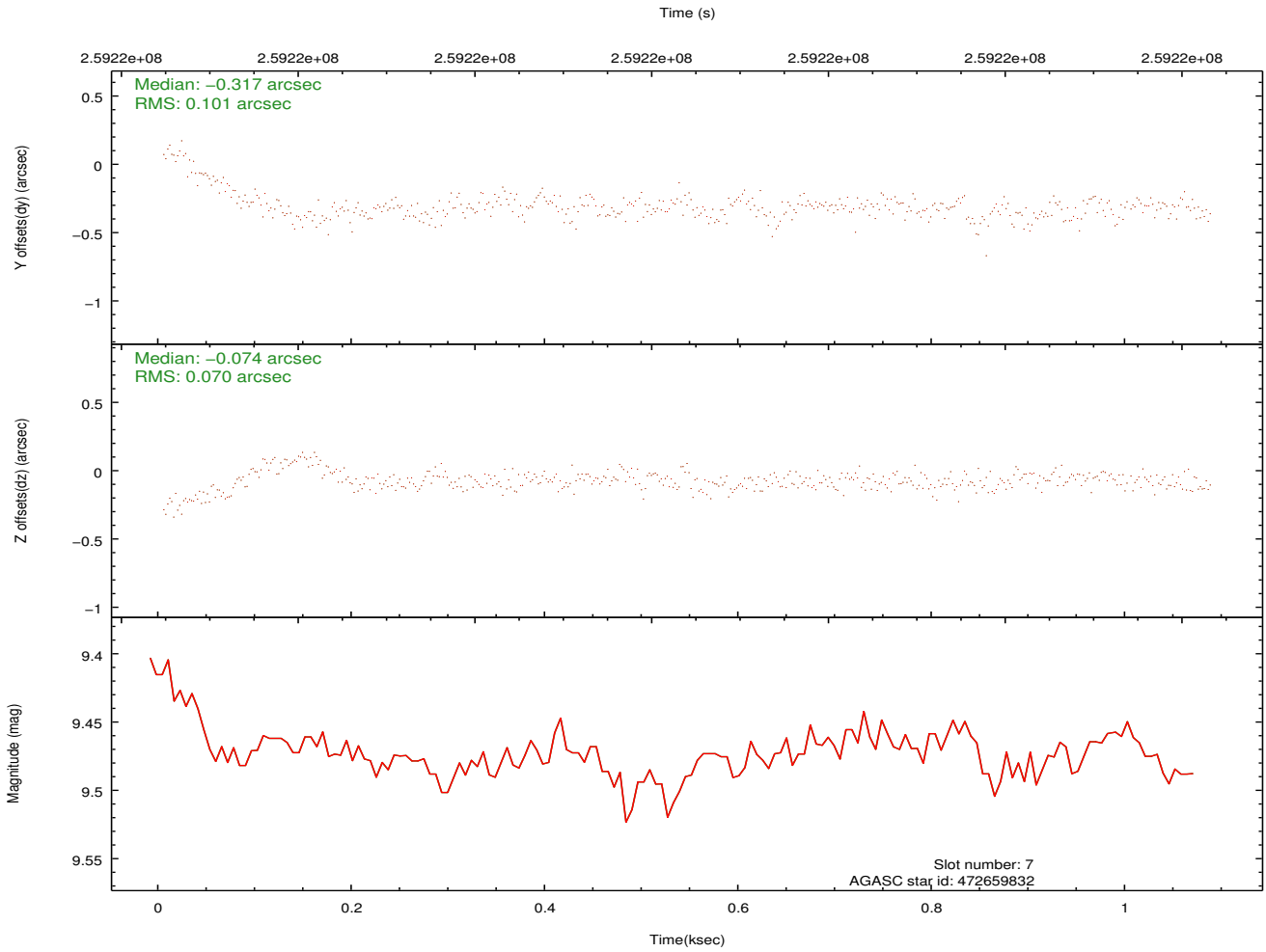
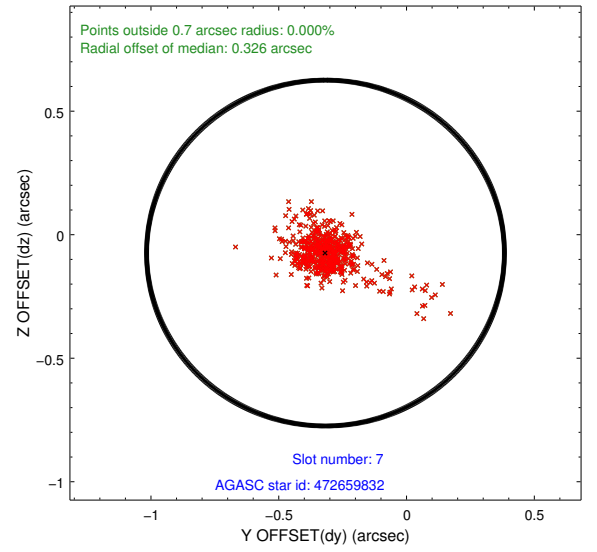
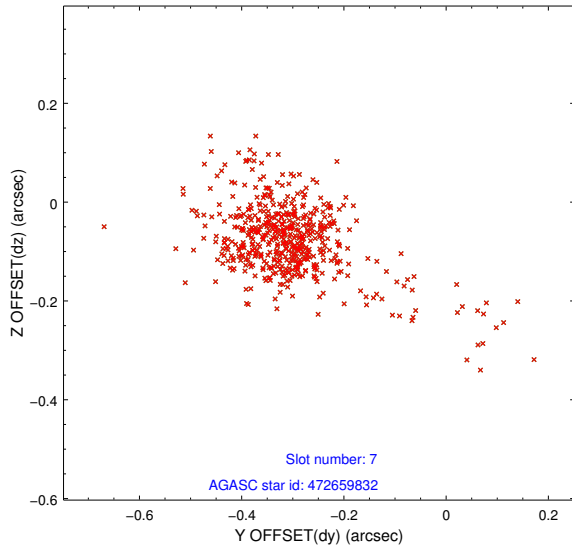
2.4.3 Slot 5



2.4.4 Slot 6

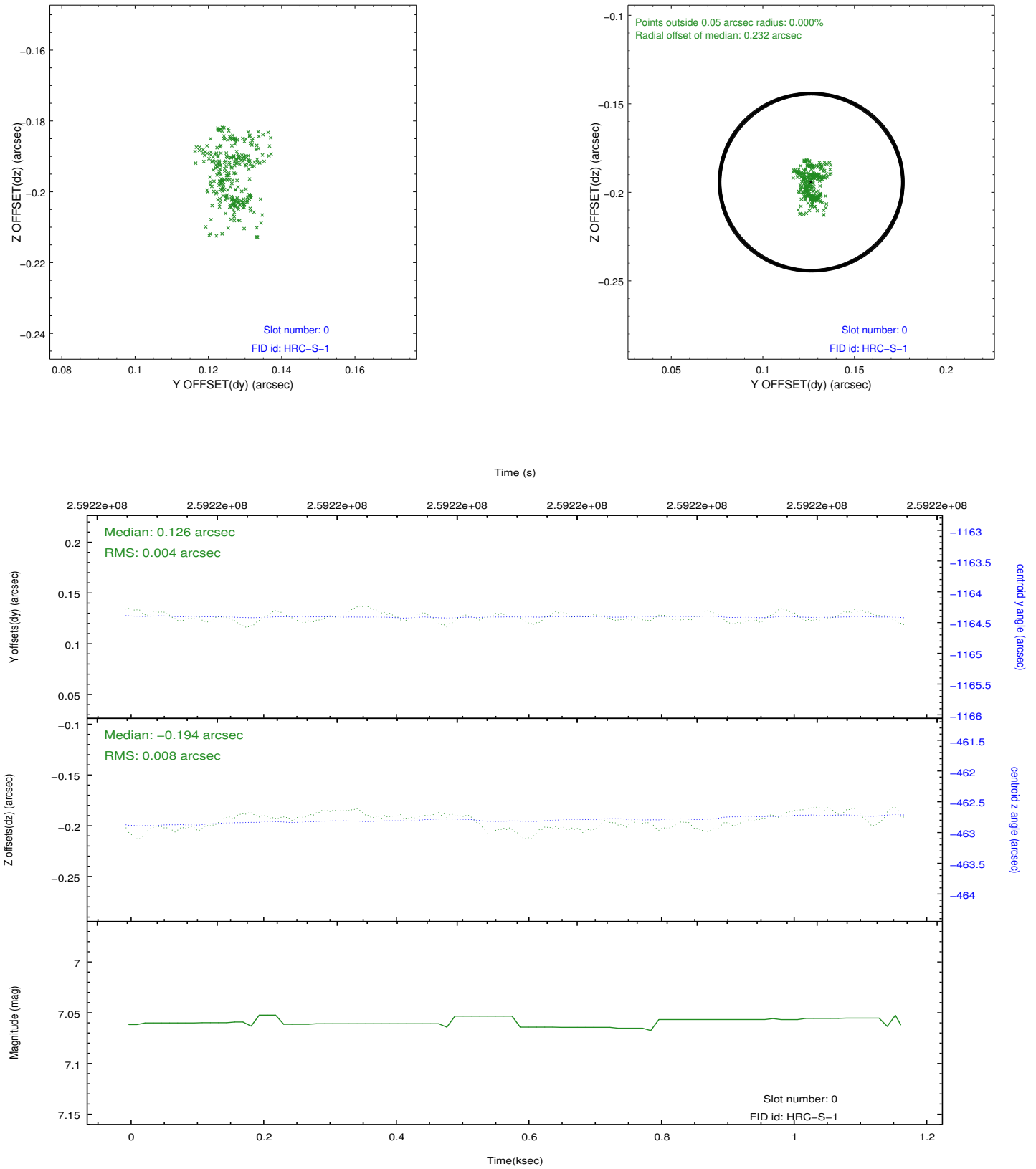


2.4.5 Slot 7

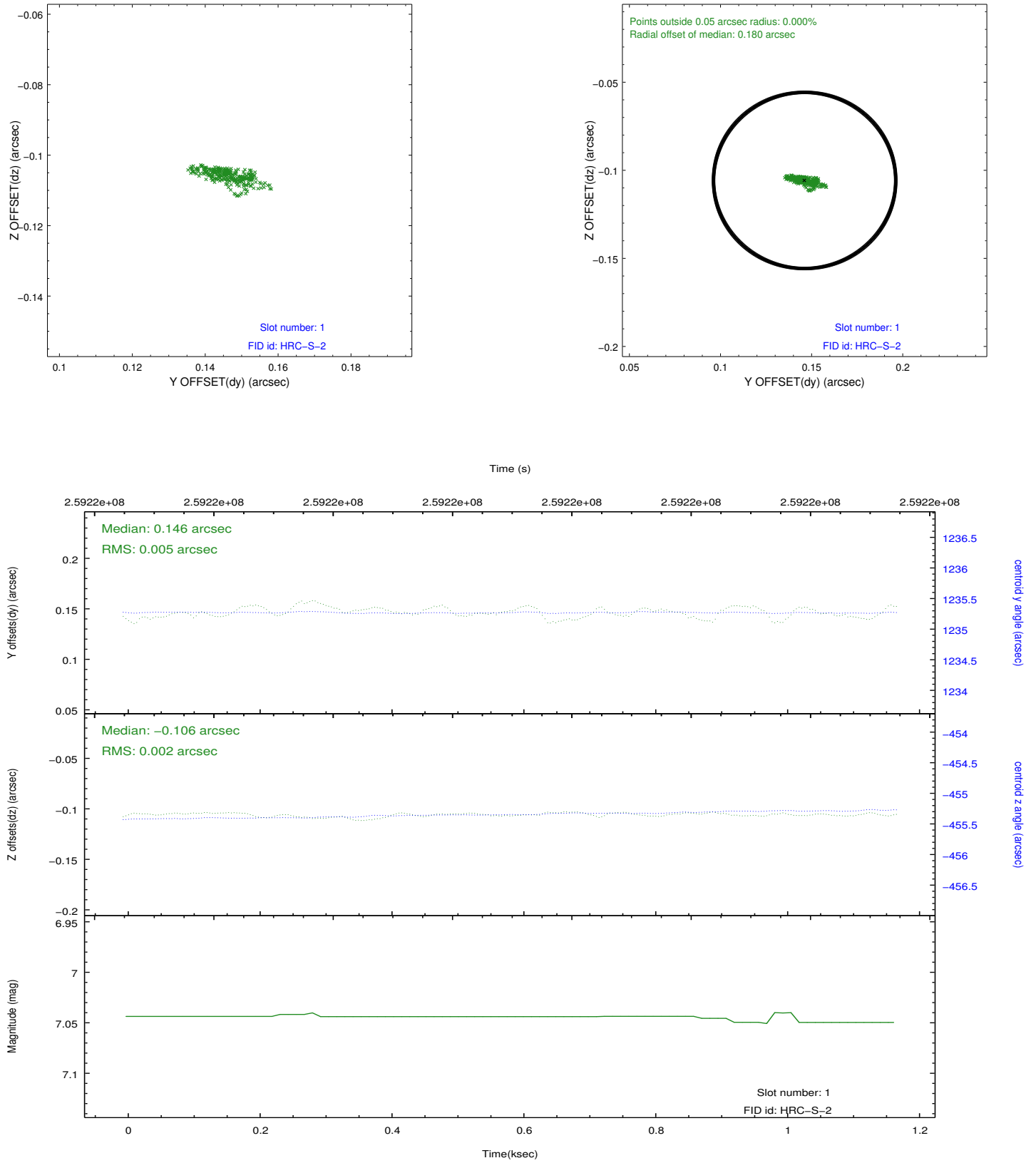


2.5 FID Slots

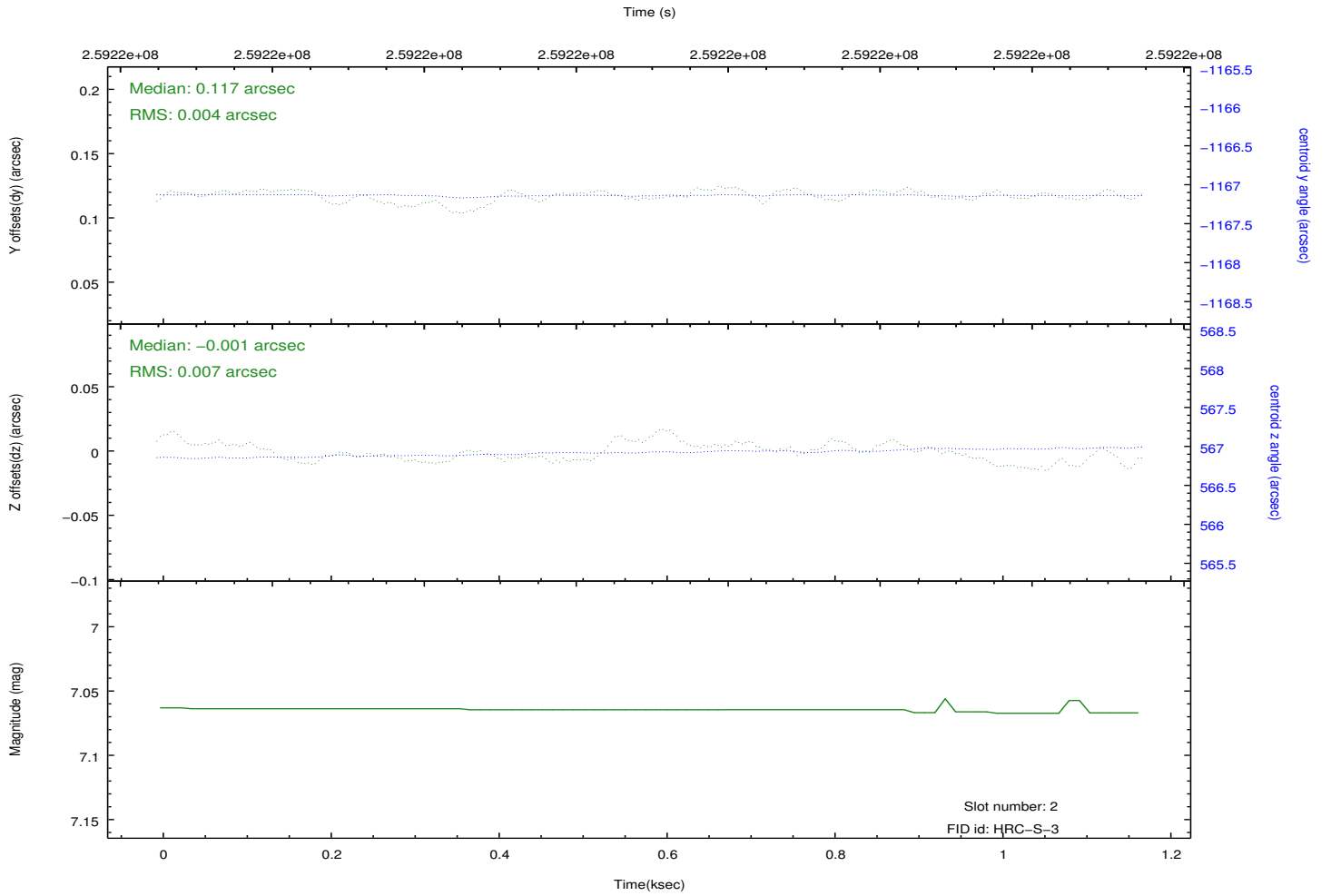
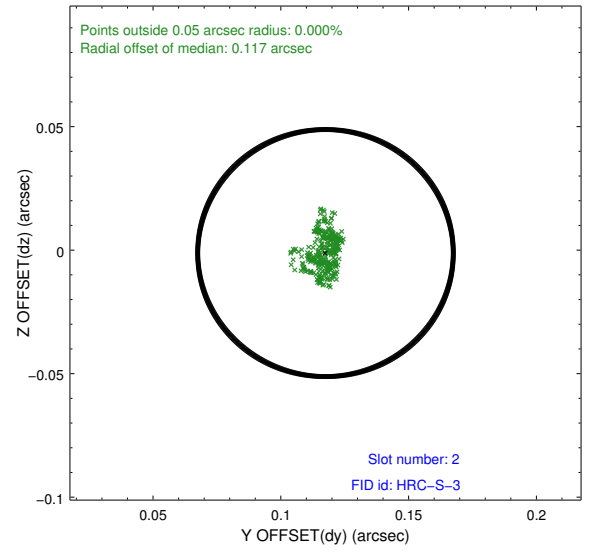
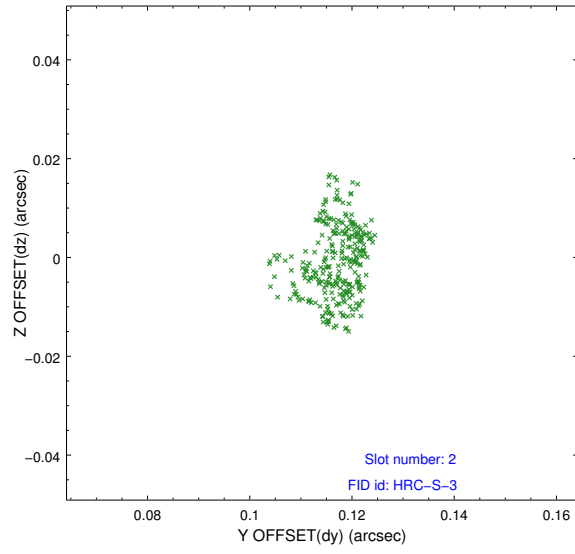
2.5.1 Slot 0



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	1.1472313

A.2 Comments

Spike in count rate from about 60 counts per second to about 200 counts per second between 0.2 and 0.225 ksec into the observation, probably due to high radiation.