

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2600 - L2 Version 4
Chandra X-Ray Center

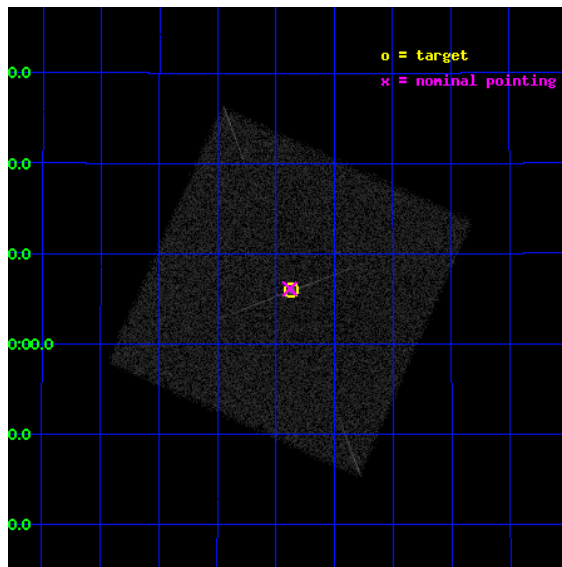
L2 Processing Date : Sep 29 2012

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1 Front

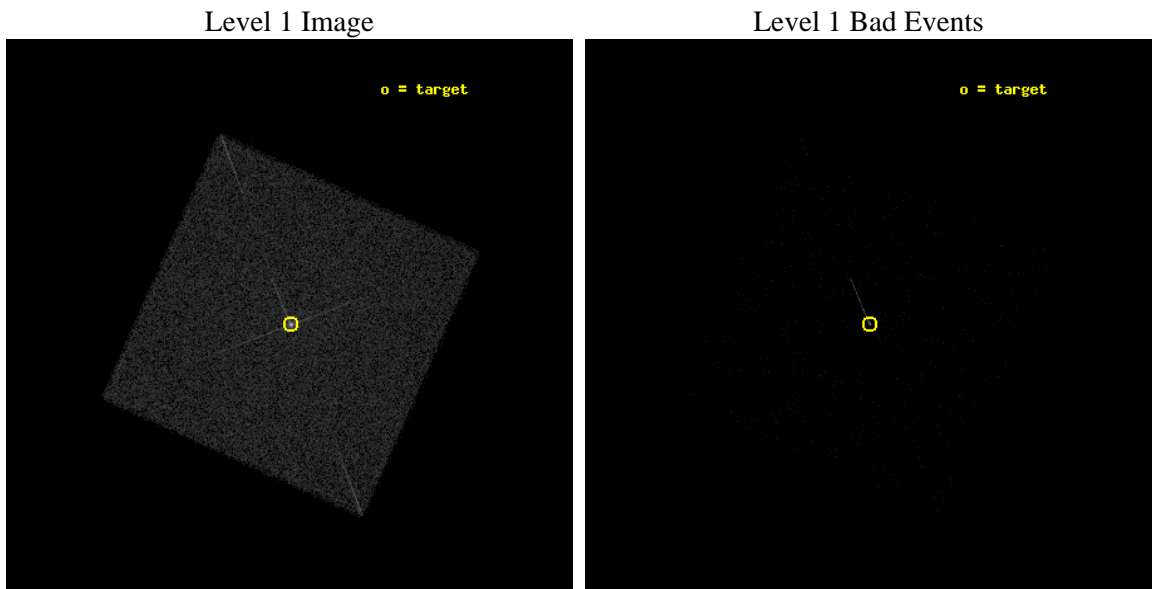
seq_num	290156	Sequence number
obs_id	2600	Observation id
title	AO3 LETG/HRC-I CALIBRATION OBSERVATIONS OF HZ43	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HZ43	Source name
ra_targ	199.092083	Observer's specified target RA [deg]
dec_targ	29.099	Observer's specified target Dec [deg]
ra_nom	199.09518292166	Nominal RA [deg]
dec_nom	29.10214636485	Nominal Dec [deg]
roll_nom	69.215356170961	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1895.4813261628	[s]
liveltime	1882.9130672278	Ontime multiplied by DTCOR
l2events	81802	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	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1895.4813261628	[s]
caldbver	4.5.2	 	l1events	136984	Number of level 1 events
date	2012-09-30T02:09:39	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

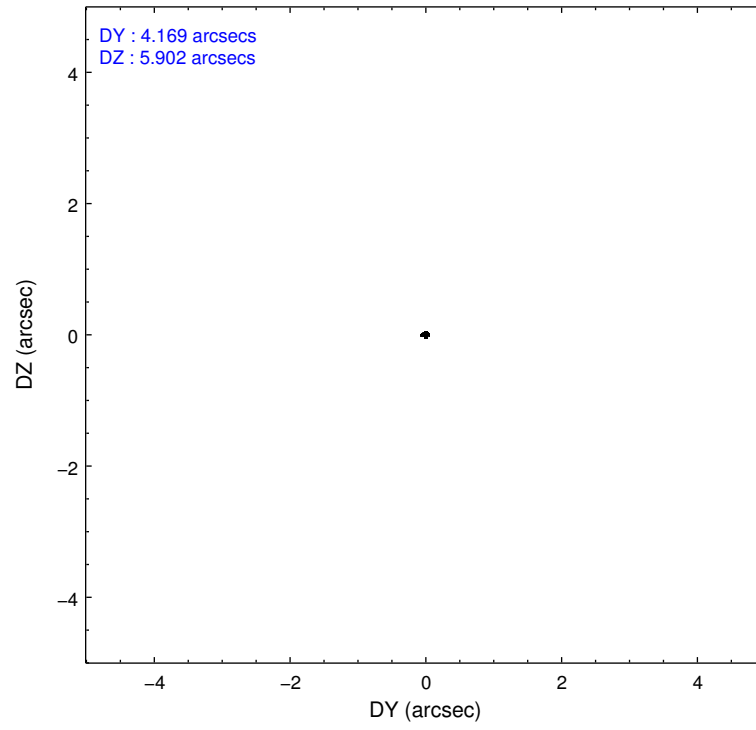
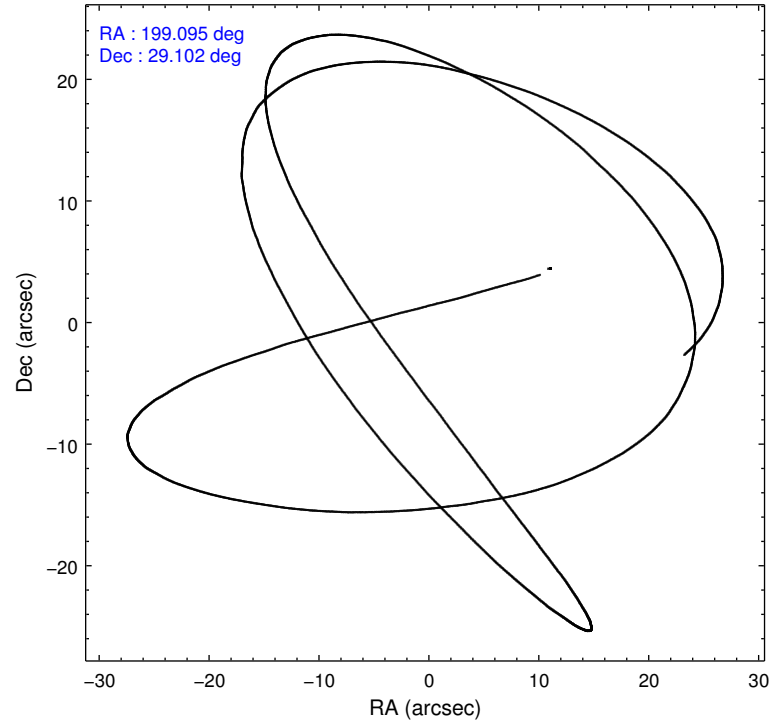
	segment 0
level 1 events	136984
rejected events	20057
rejected %	14%

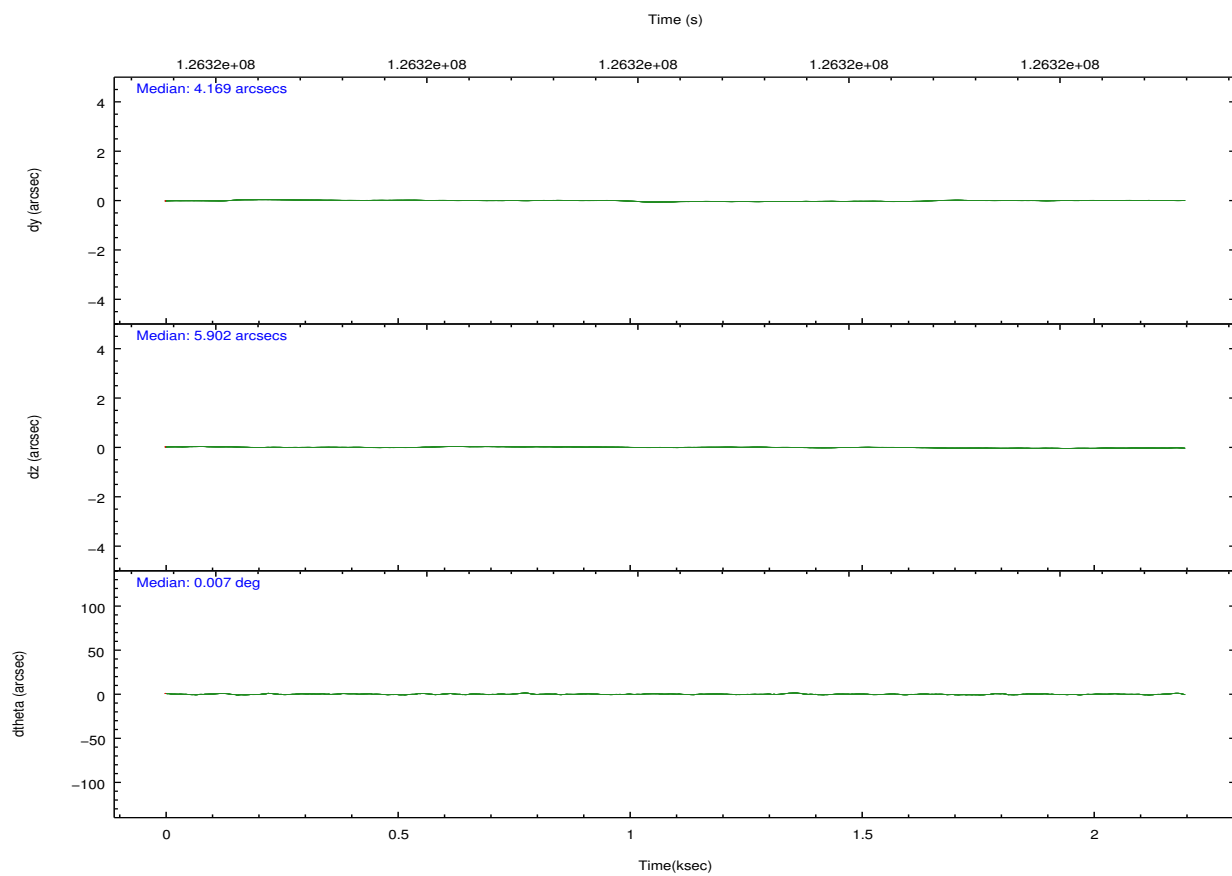
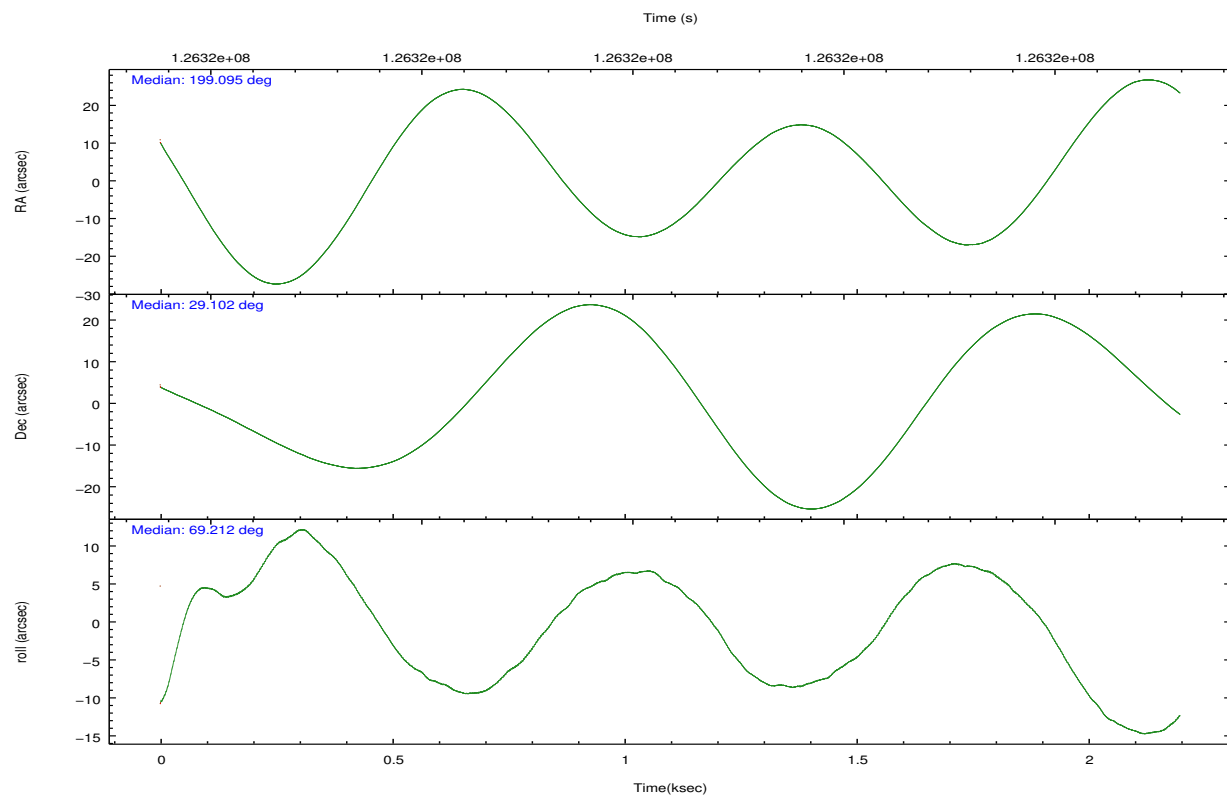
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	LETG	LETG
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	199.101033	199.0951829216636
[deg] Pointing Dec	29.075377	29.10214636484994
[deg] Pointing Roll	69.307998	69.21535617096109
[s] Window start time (MET)	126230464.184000	126230464.184000
[s] Window stop time (MET)	128822464.184000	128822464.184000
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	126322188.184000	126321775.82801
Observation start date	2002-01-02T01:28:44	2002-01-02T01:22:55
[s] Observation end time (MET)	126324188.184000	126324321.41561
Observation end date	2002-01-02T02:02:04	2002-01-02T02:05:21

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

2.3 Aspect



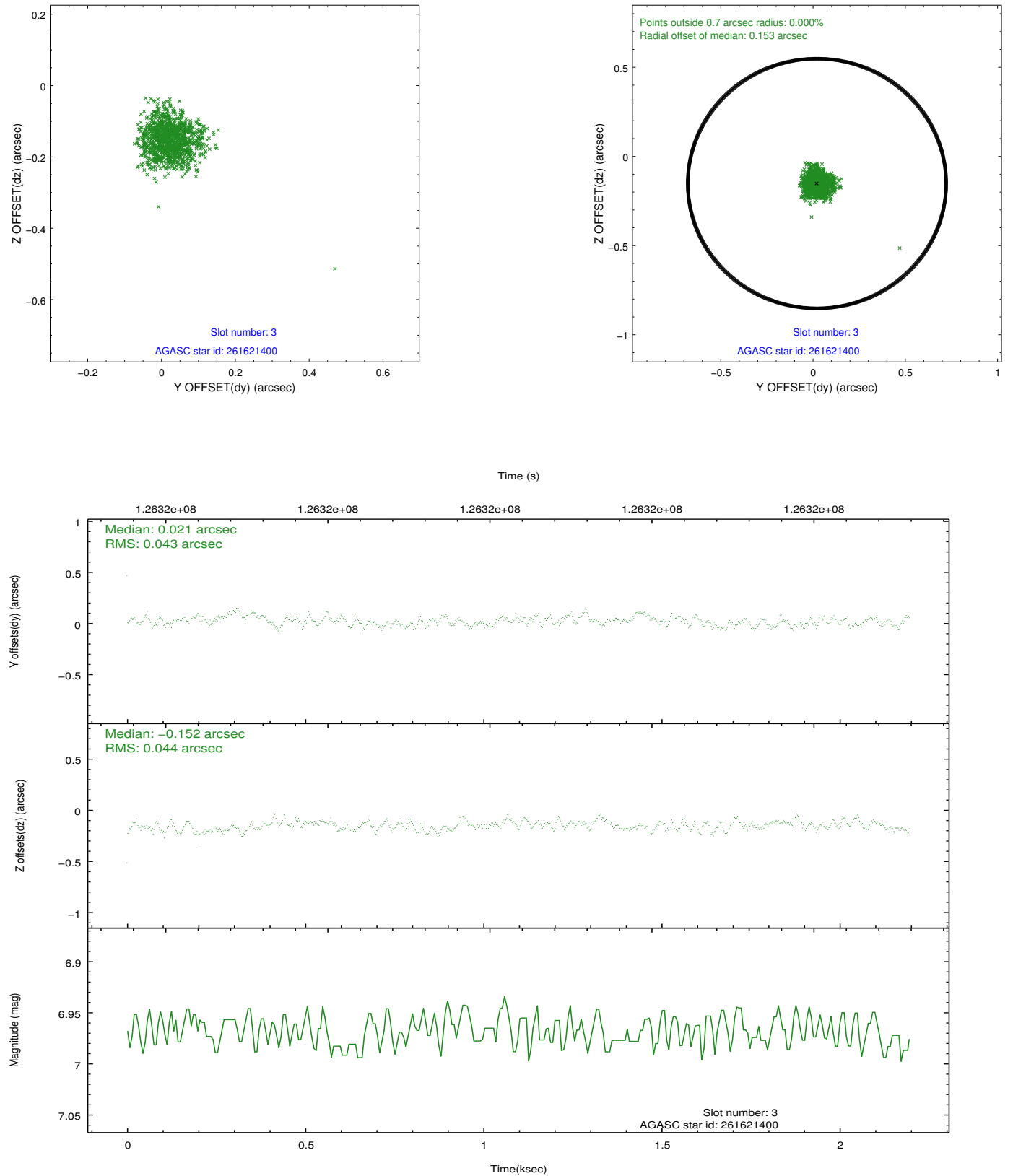


Slot Statistics

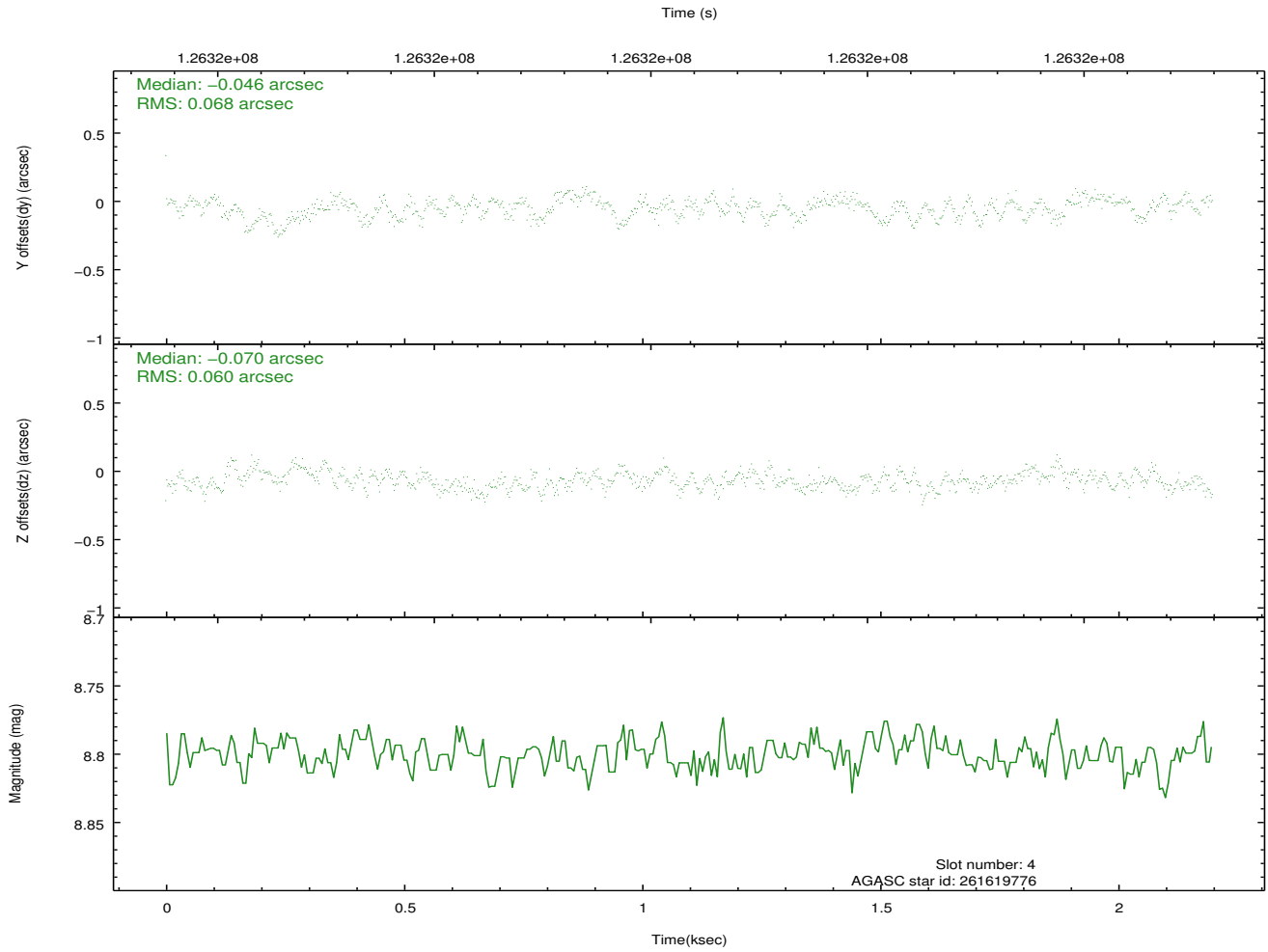
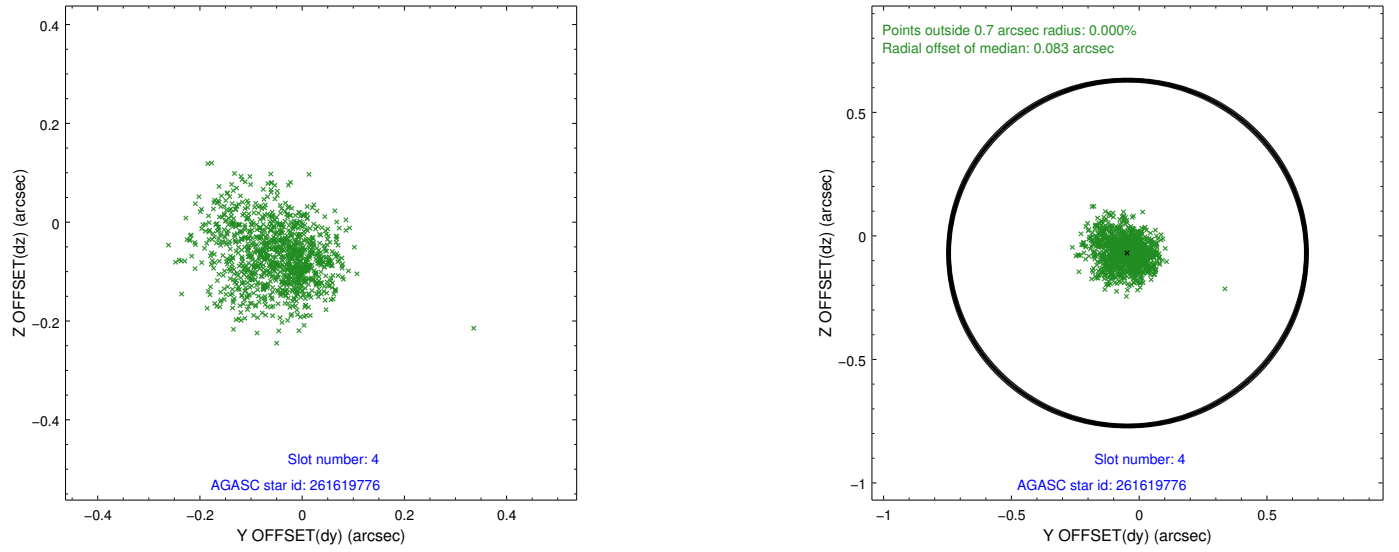
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	537	0.010	0.024	0.006	0.010	0.000000	0.000000	-759.62	-1293.76
1	FID	HRC-I-2	7.01	537	0.081	-0.055	0.005	0.010	0.000000	0.000000	851.67	-1297.78
2	FID	HRC-I-3	7.06	537	0.028	-0.059	0.006	0.010	0.000000	0.000000	-1186.57	1008.29
3	GUIDE	261621400	6.97	1073	0.021	-0.152	0.064	0.099	198.901600	28.741982	-1345.41	164.94
4	GUIDE	261619776	8.80	1073	-0.046	-0.070	0.097	0.157	198.654383	29.401174	602.62	1725.95
5	GUIDE	261619992	9.32	1071	0.187	-0.113	0.102	0.172	198.395553	28.647634	-2221.90	1544.81
6	GUIDE	261623040	9.13	1072	-0.224	-0.071	0.079	0.124	198.792686	29.757643	1955.39	1771.49
7	GUIDE	261623624	9.12	1072	0.067	0.405	0.105	0.156	199.611555	28.454113	-1516.79	-2298.68

2.4 Star Slots

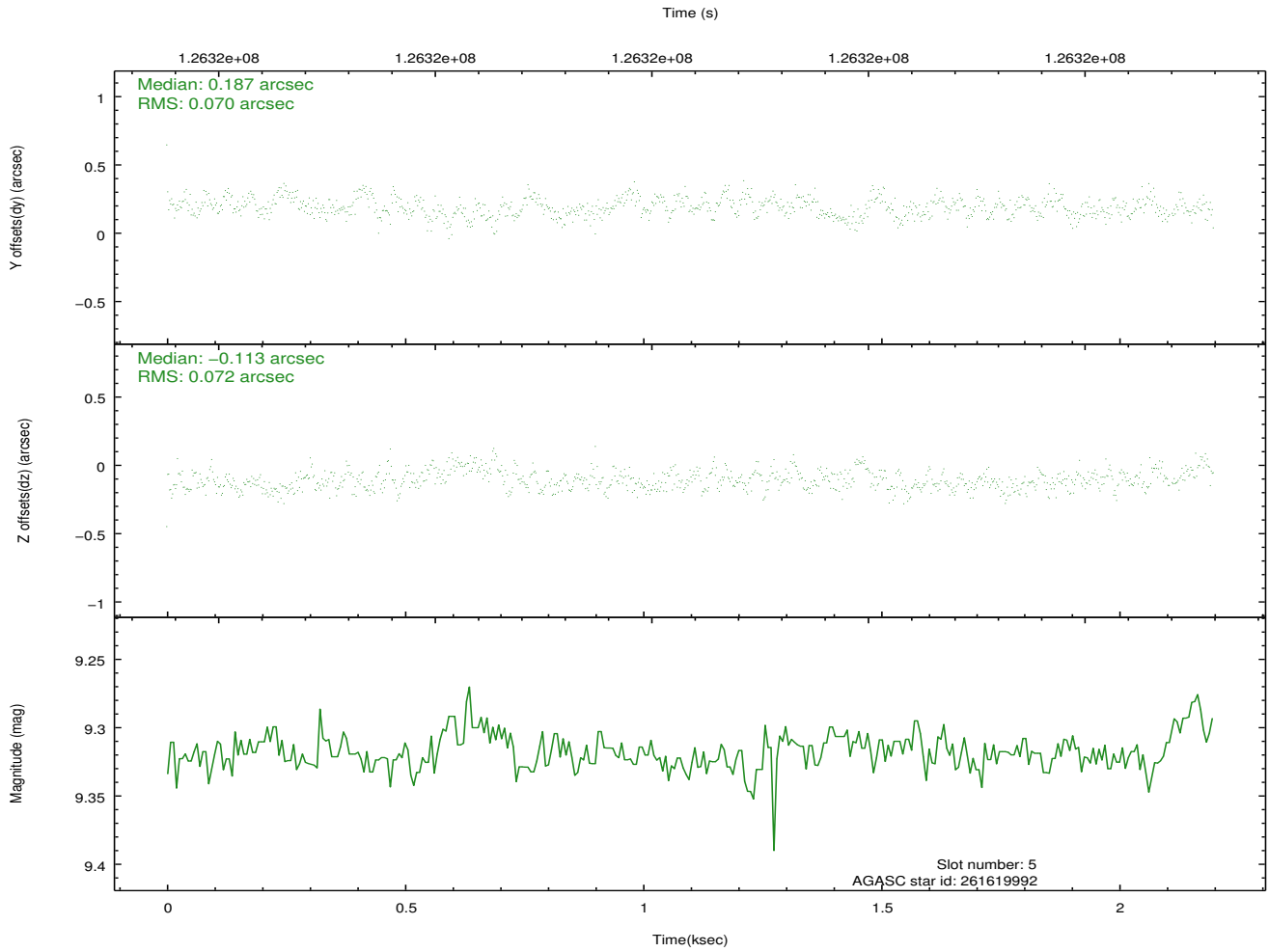
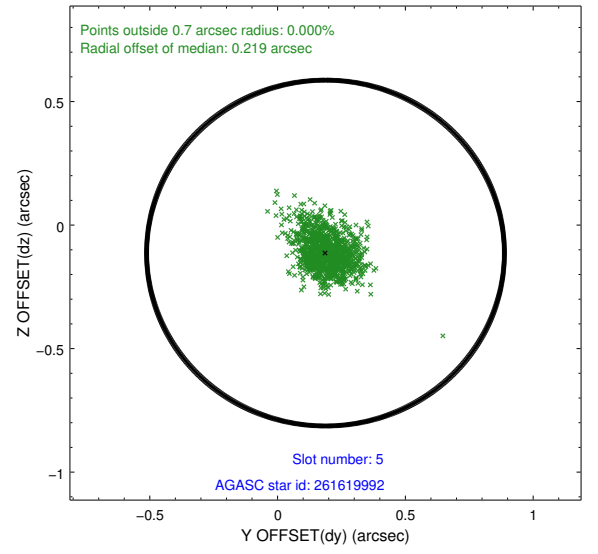
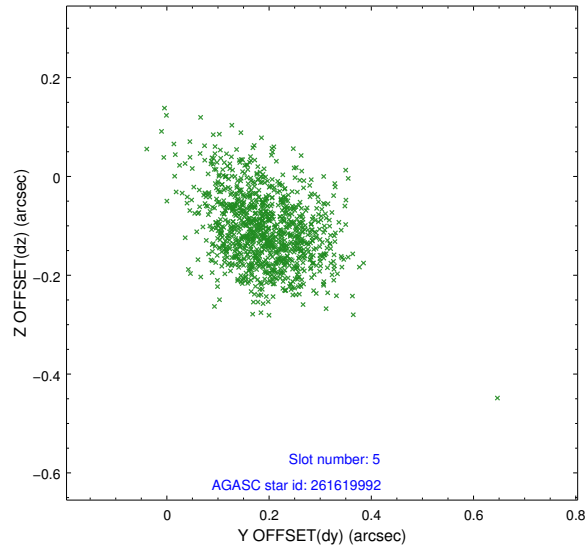
2.4.1 Slot 3



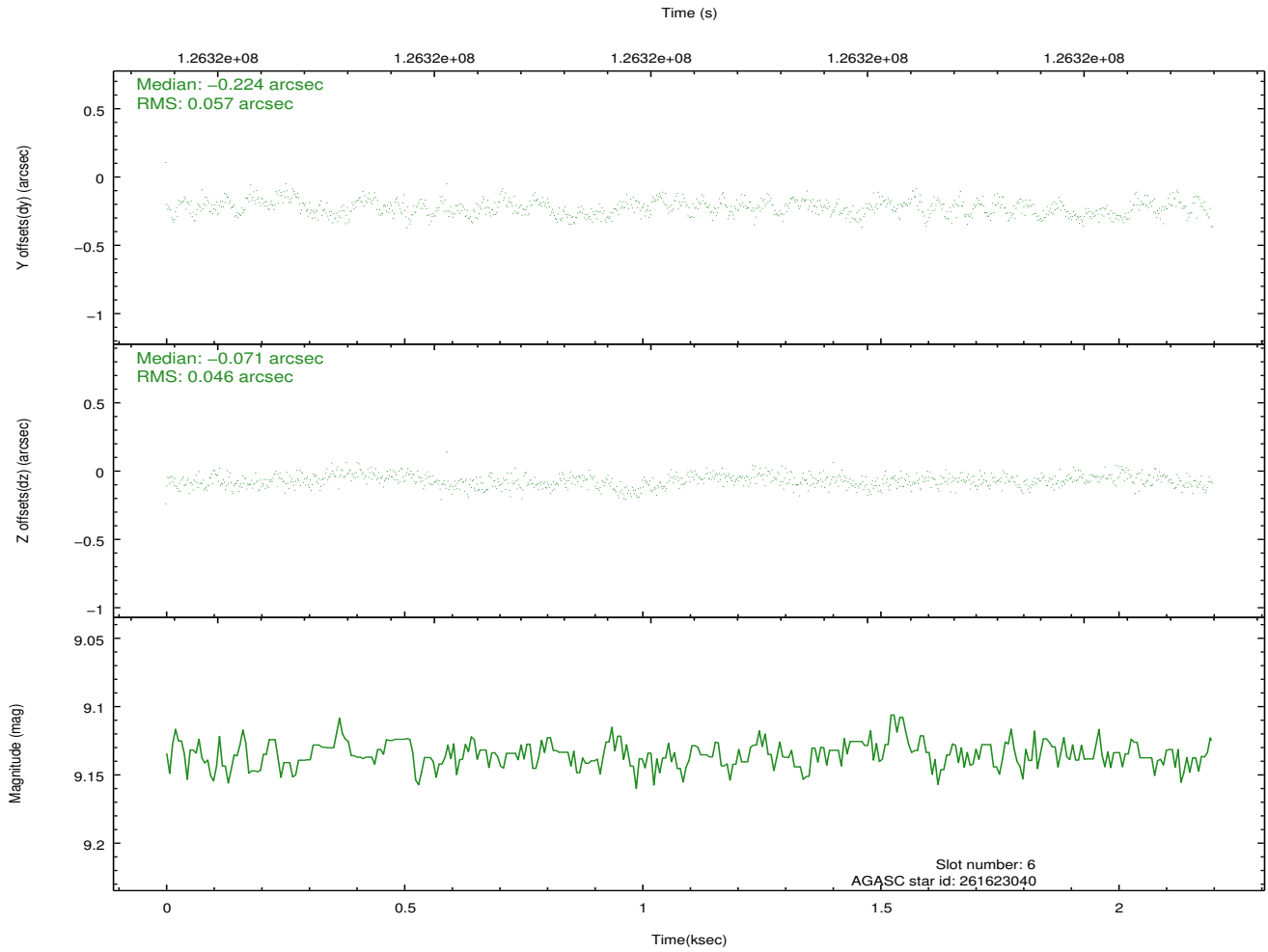
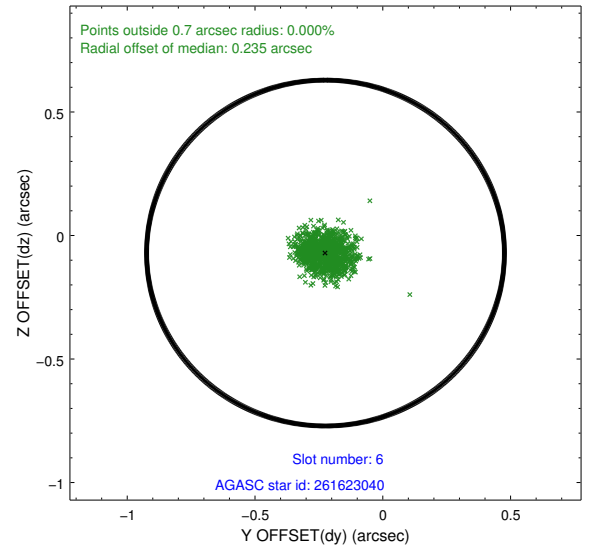
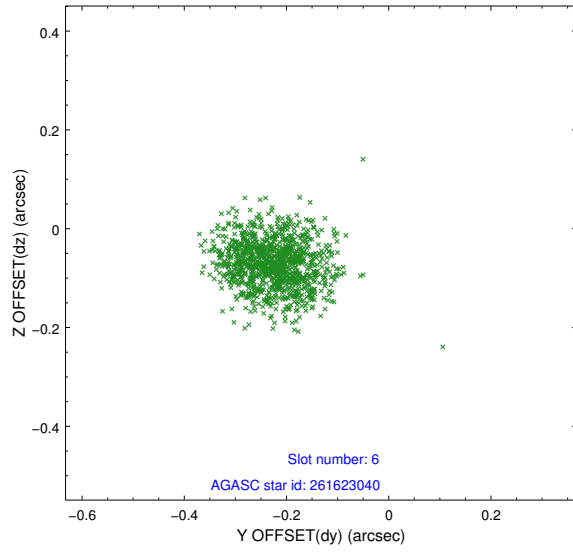
2.4.2 Slot 4



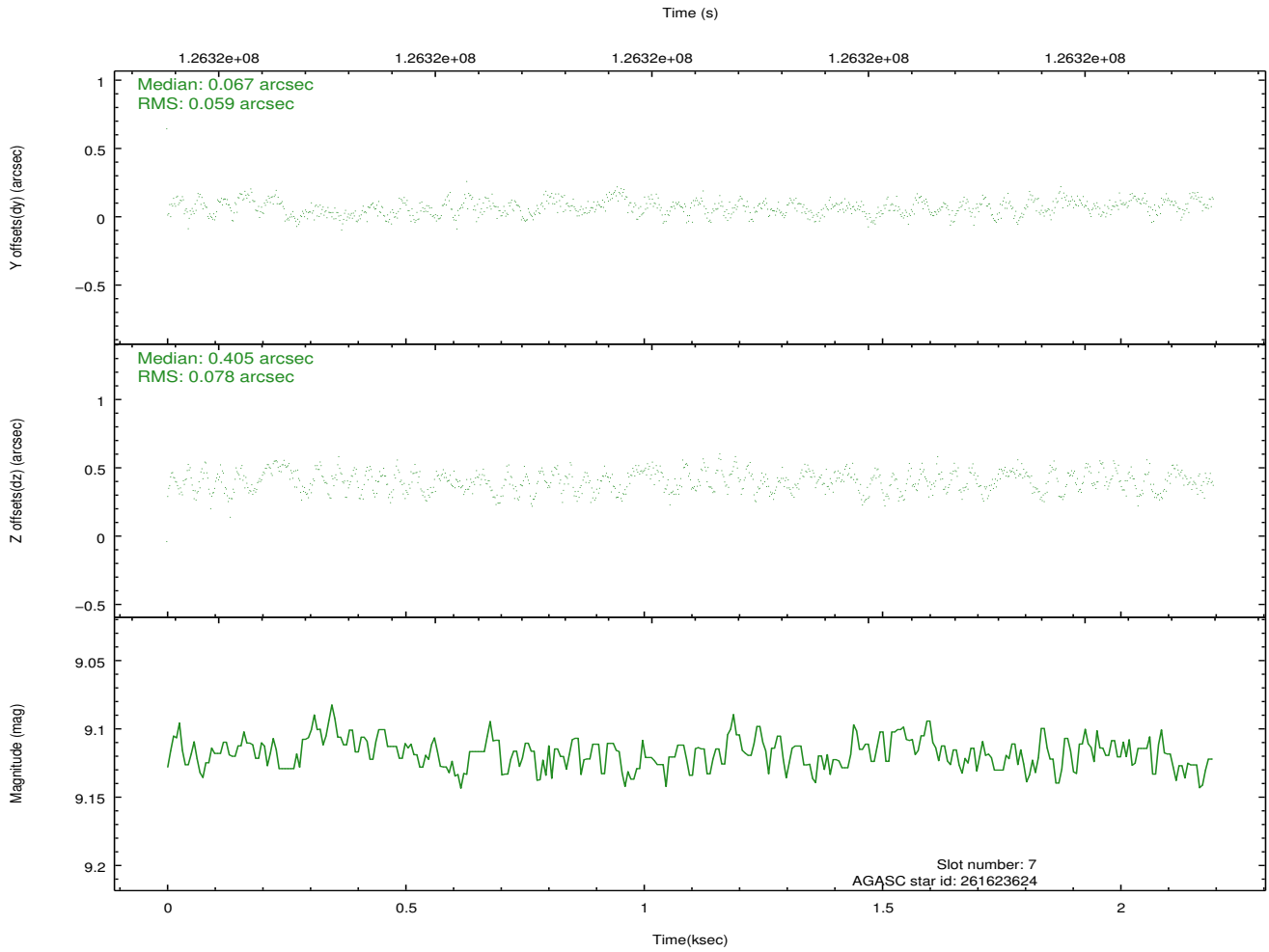
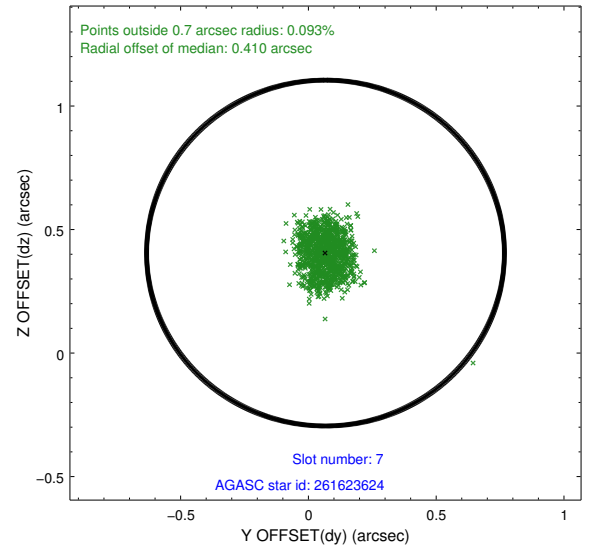
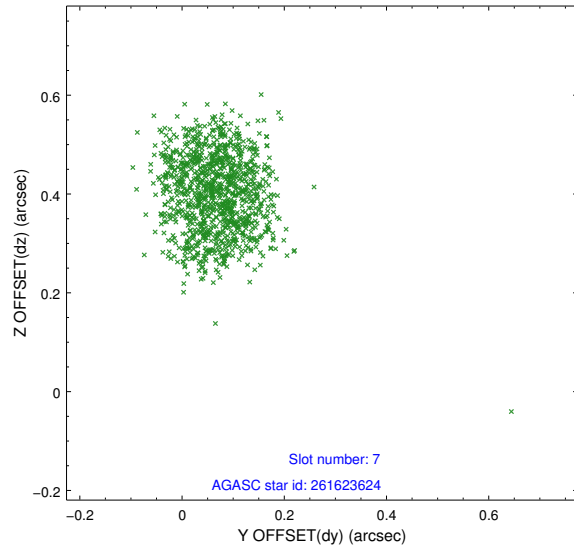
2.4.3 Slot 5



2.4.4 Slot 6

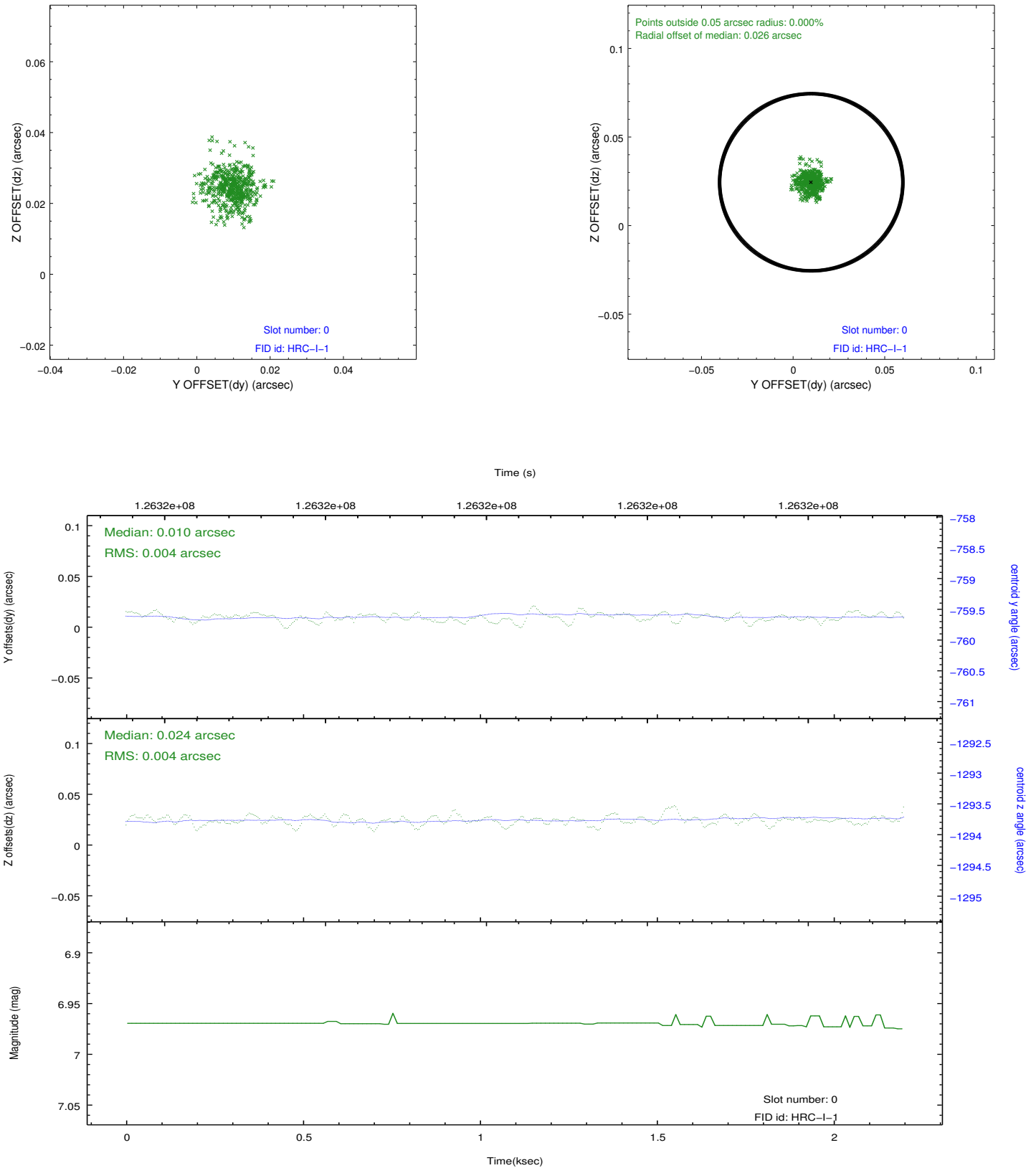


2.4.5 Slot 7

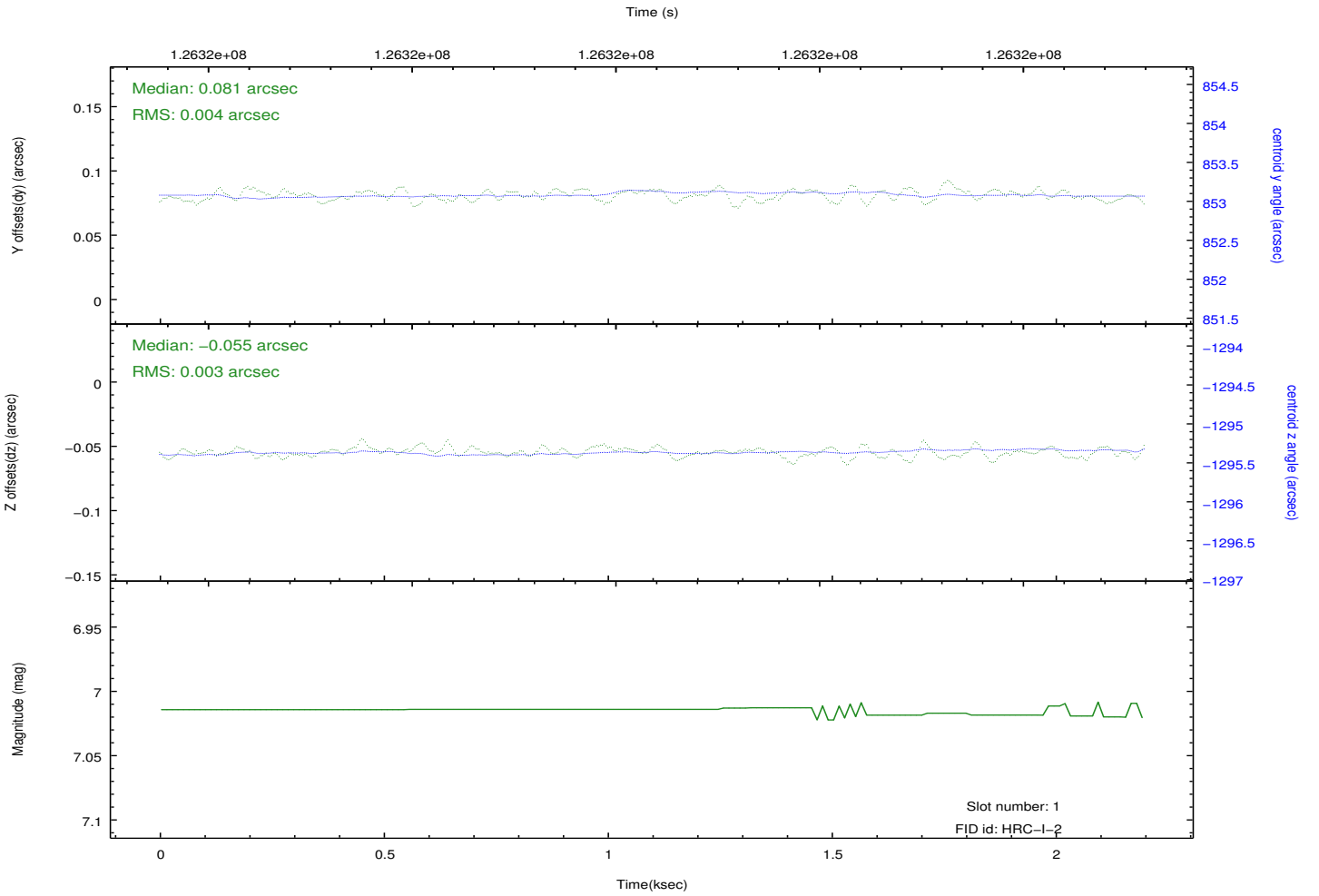
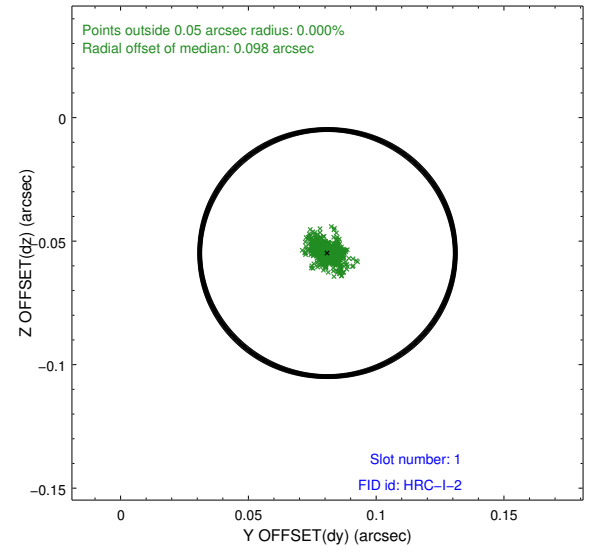
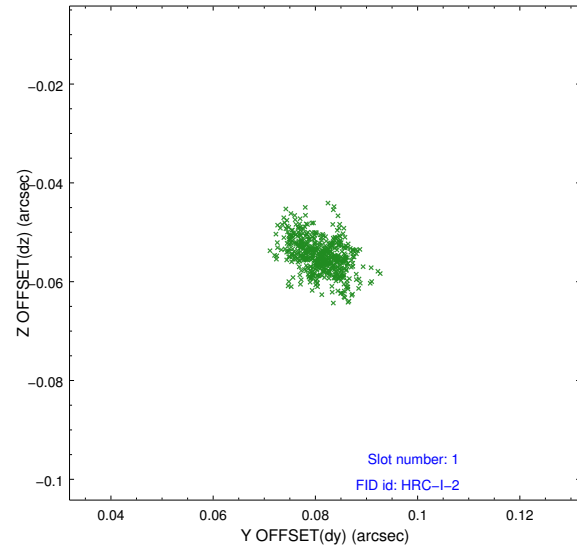


2.5 FID Slots

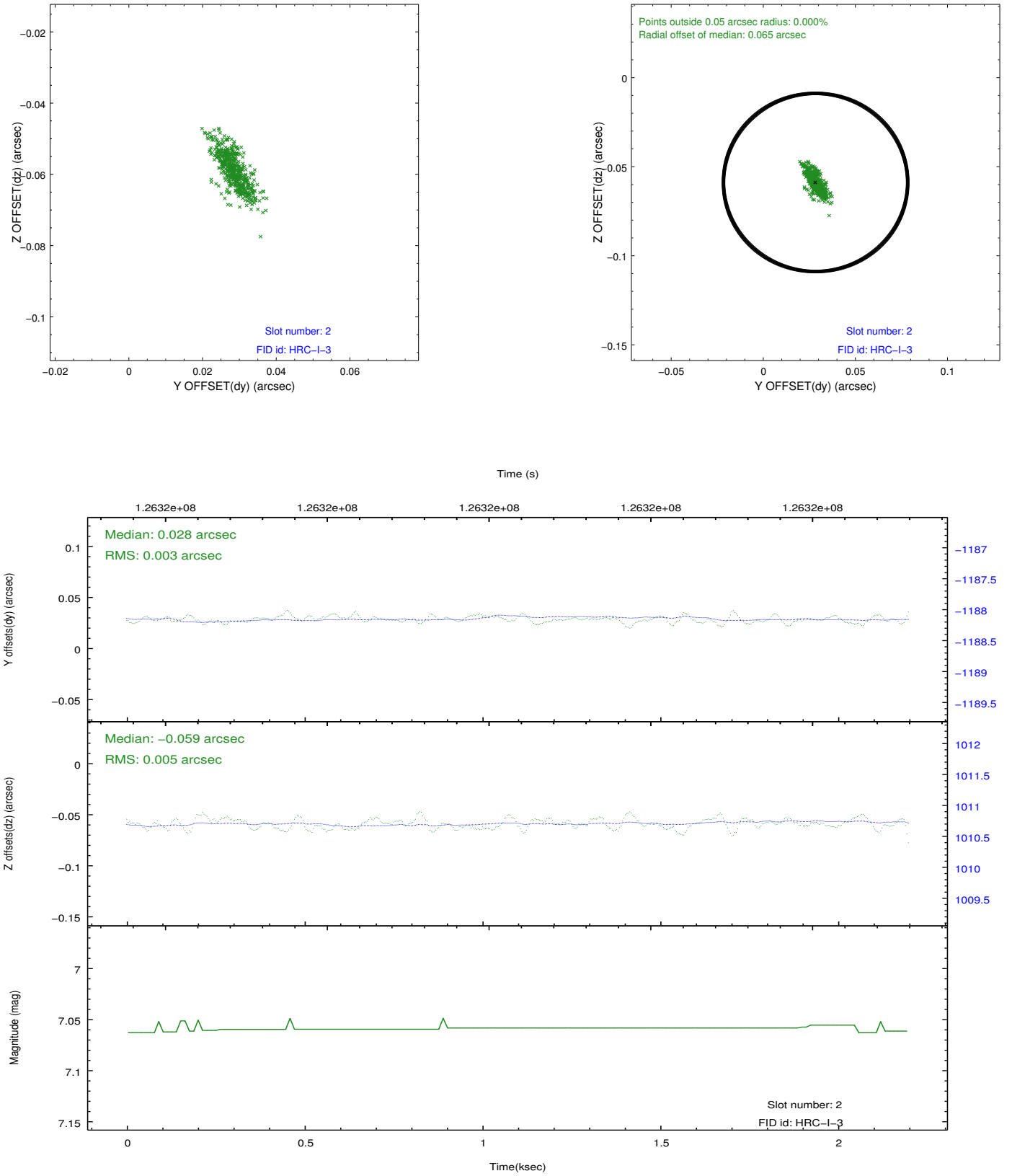
2.5.1 Slot 0



2.5.2 Slot 1

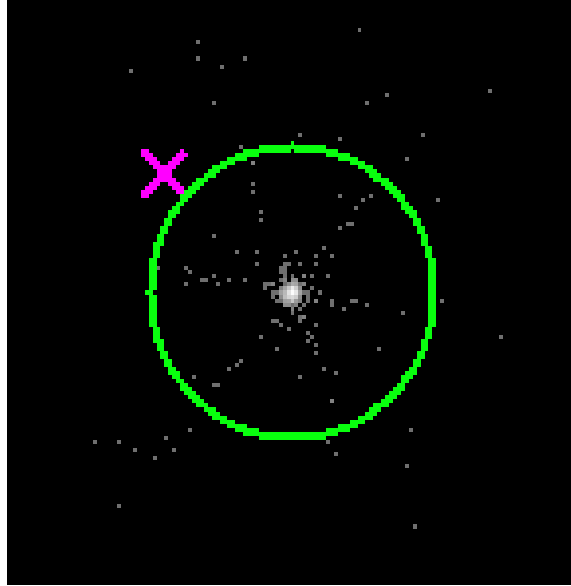


2.5.3 Slot 2

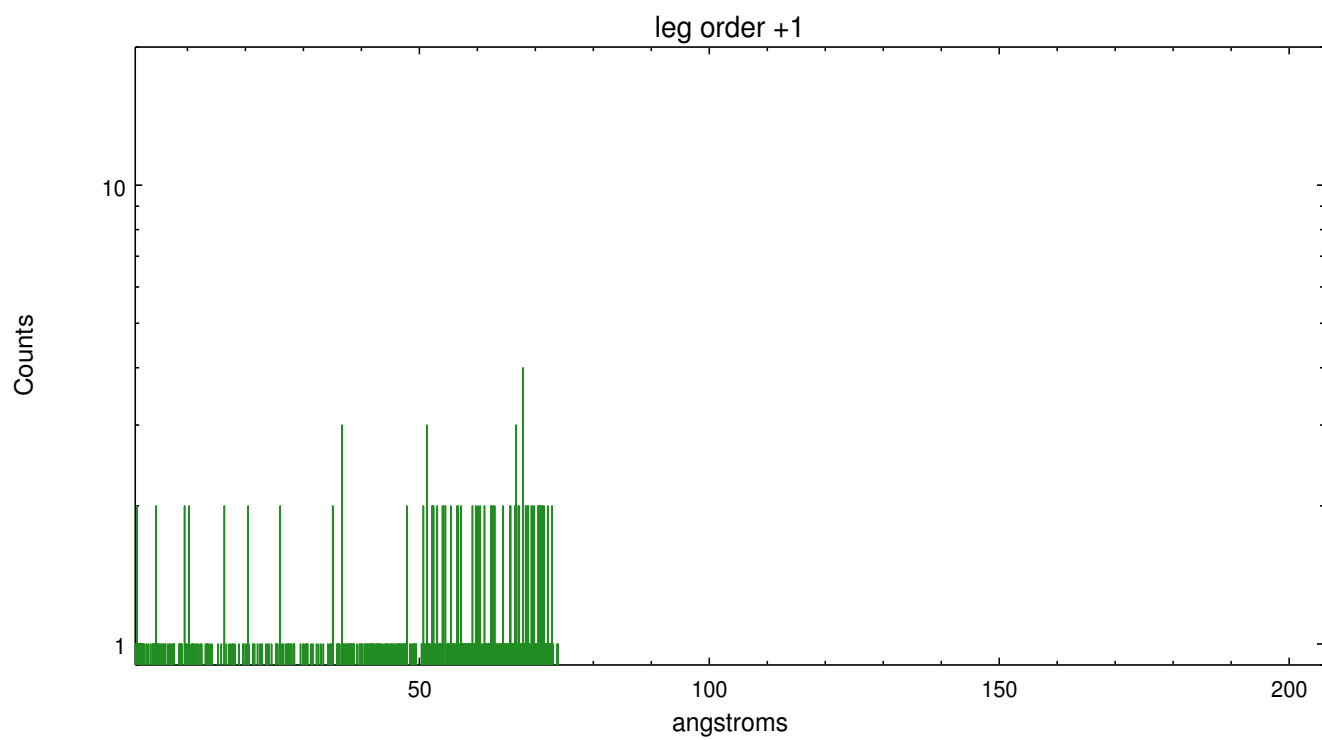
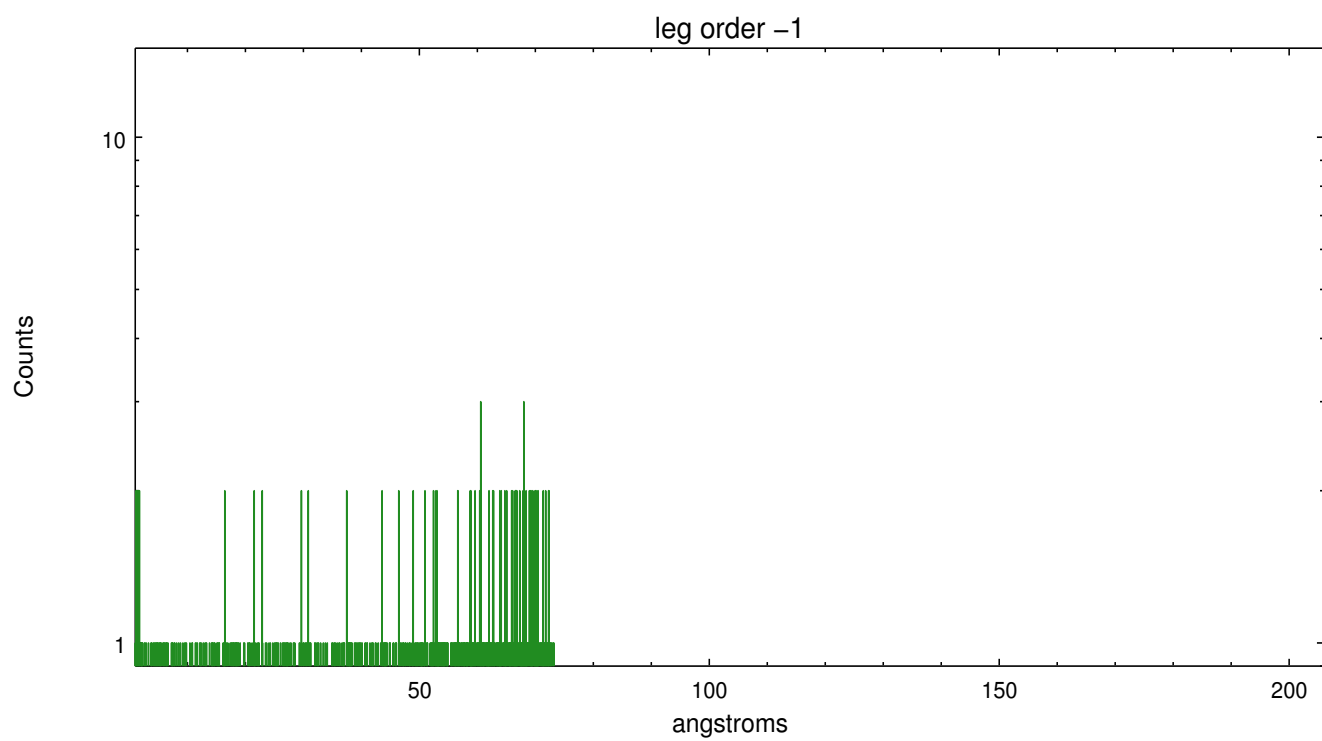


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.10.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.893

A.2 Comments

First 200 seconds not usable because high voltage for the instrument was not fully configured. This time has been excluded from the GTI.

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Charge time for this ObsId remains at previous value of 1.893 ks, although with the current processing the charge time would be 1.895 ks.