

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 1000 - L2 Version 6
Chandra X-Ray Center

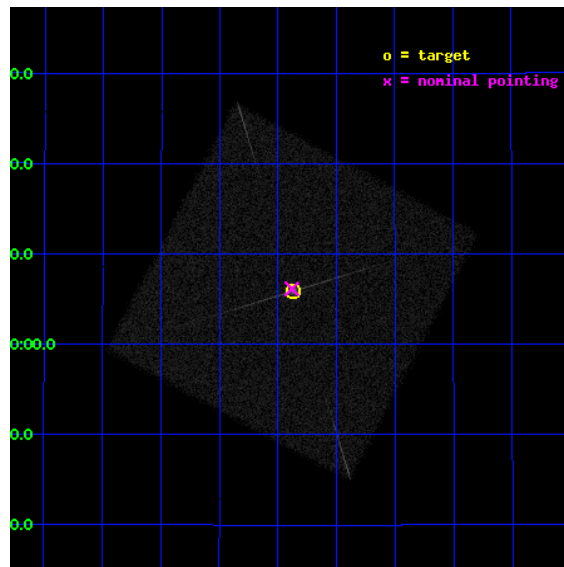
L2 Processing Date : Sep 6 2012

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1 Front

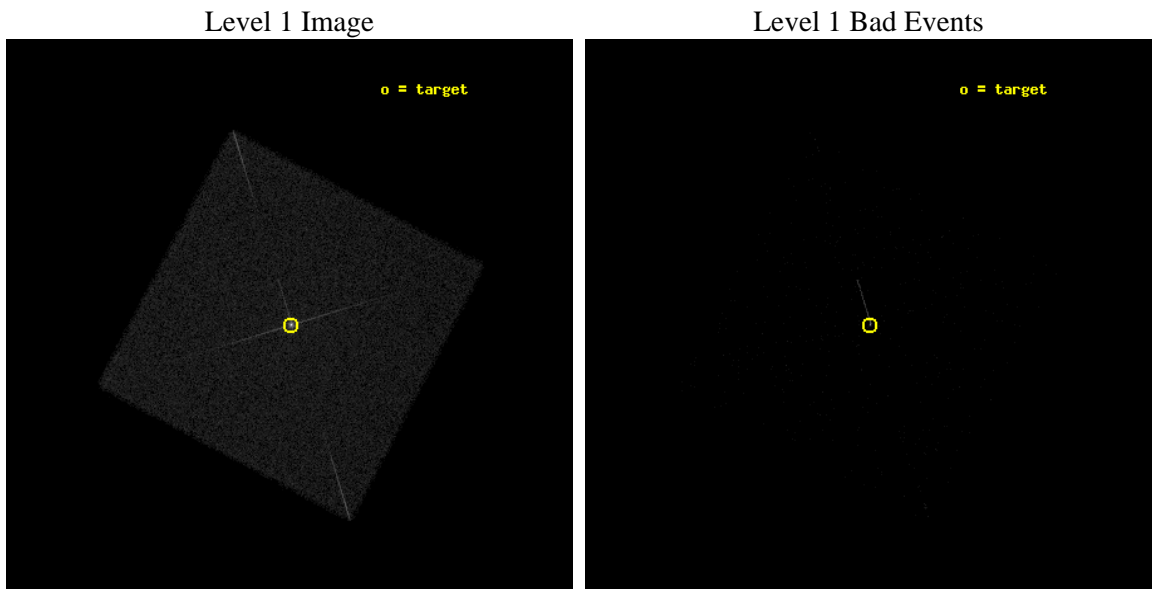
seq_num	290081	Sequence number
obs_id	1000	Observation id
title	LETG/HRC-I CALIBRATION OBSERVATIONS OF HZ43	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HZ43	Source name
ra_targ	199.092083	Observer's specified target RA [deg]
dec_targ	29.099	Observer's specified target Dec [deg]
ra_nom	199.09525416048	Nominal RA [deg]
dec_nom	29.102616179033	Nominal Dec [deg]
roll_nom	72.888925578174	Nominal Roll [deg]
revision	6	Processing version of data
ontime	3894.2313994914	[s]
livetime	3875.0235594628	Ontime multiplied by DTCOR
l2events	107767	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	4000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3894.2313994914	[s]
caldsver	4.5.1.1	 	l1events	202585	Number of level 1 events
date	2012-09-06T11:07:05	Date and time of file creation			
revision	6	Processing version of data			

2.1.3 Events

Level 1 Events

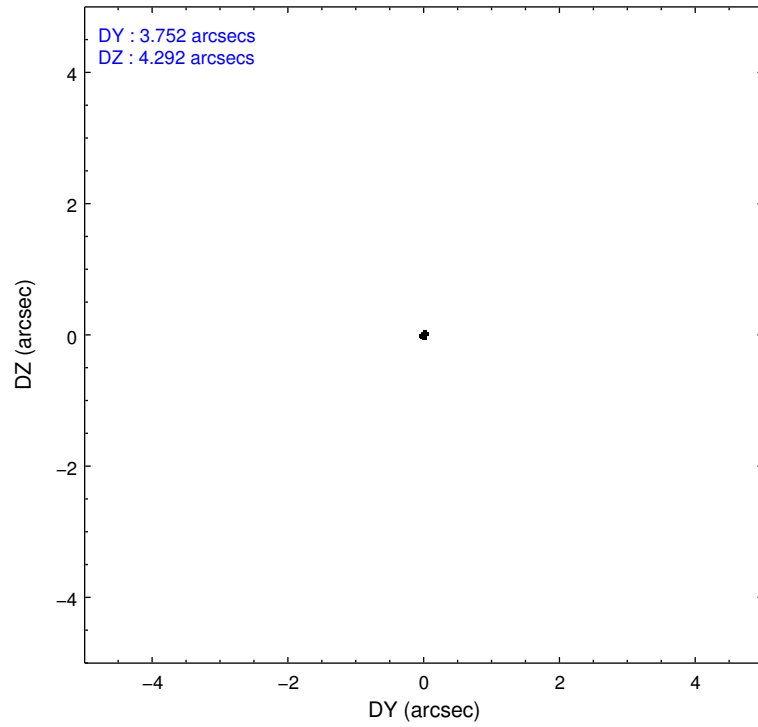
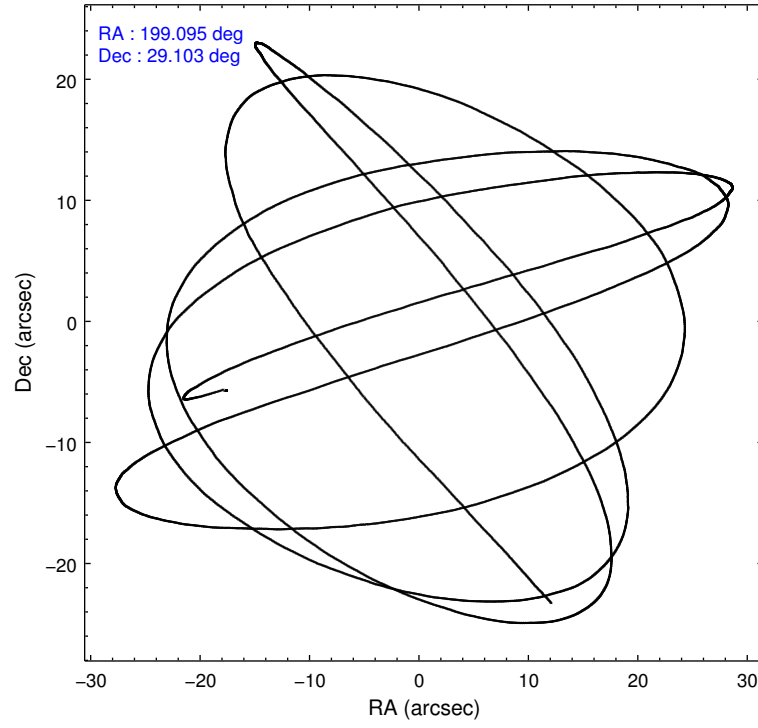
	segment 0
level 1 events	202585
rejected events	50134
rejected %	24%

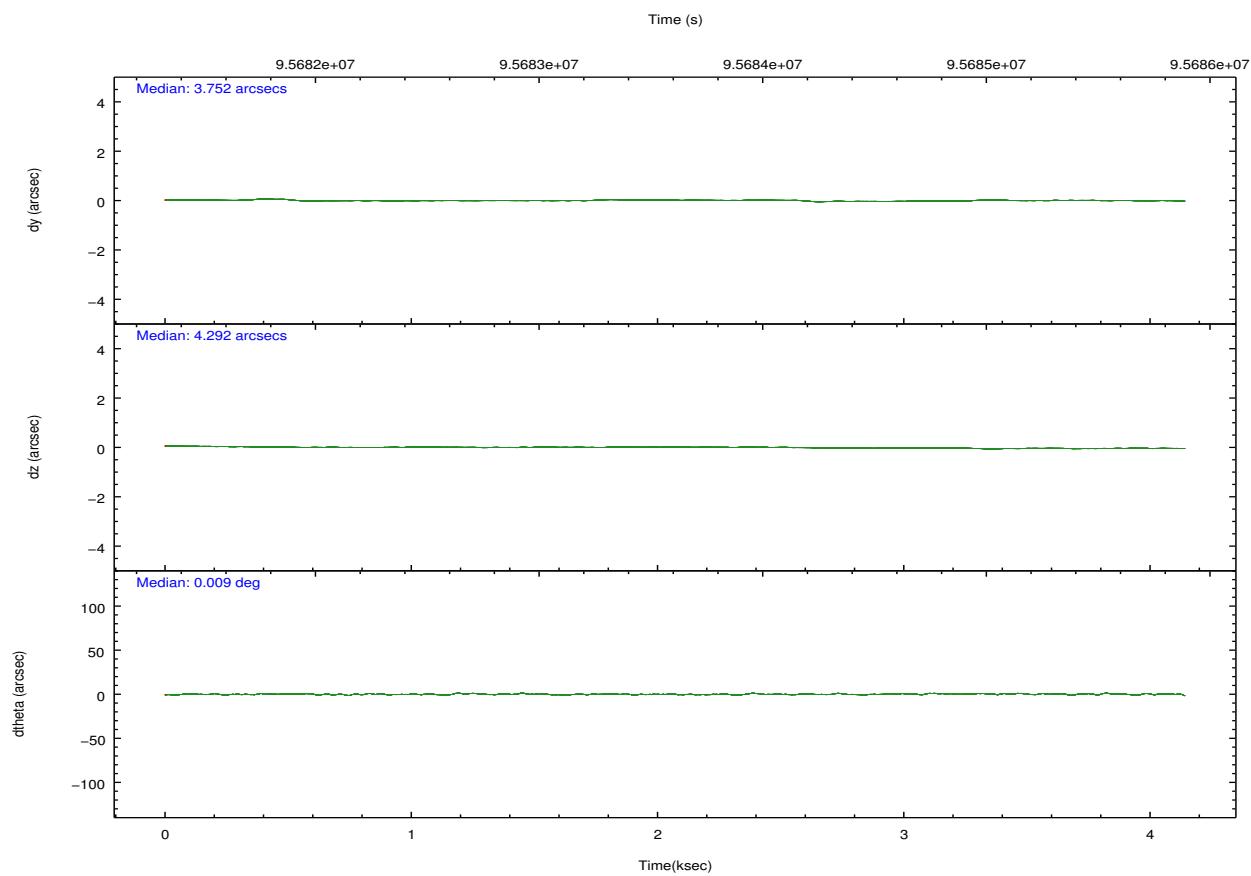
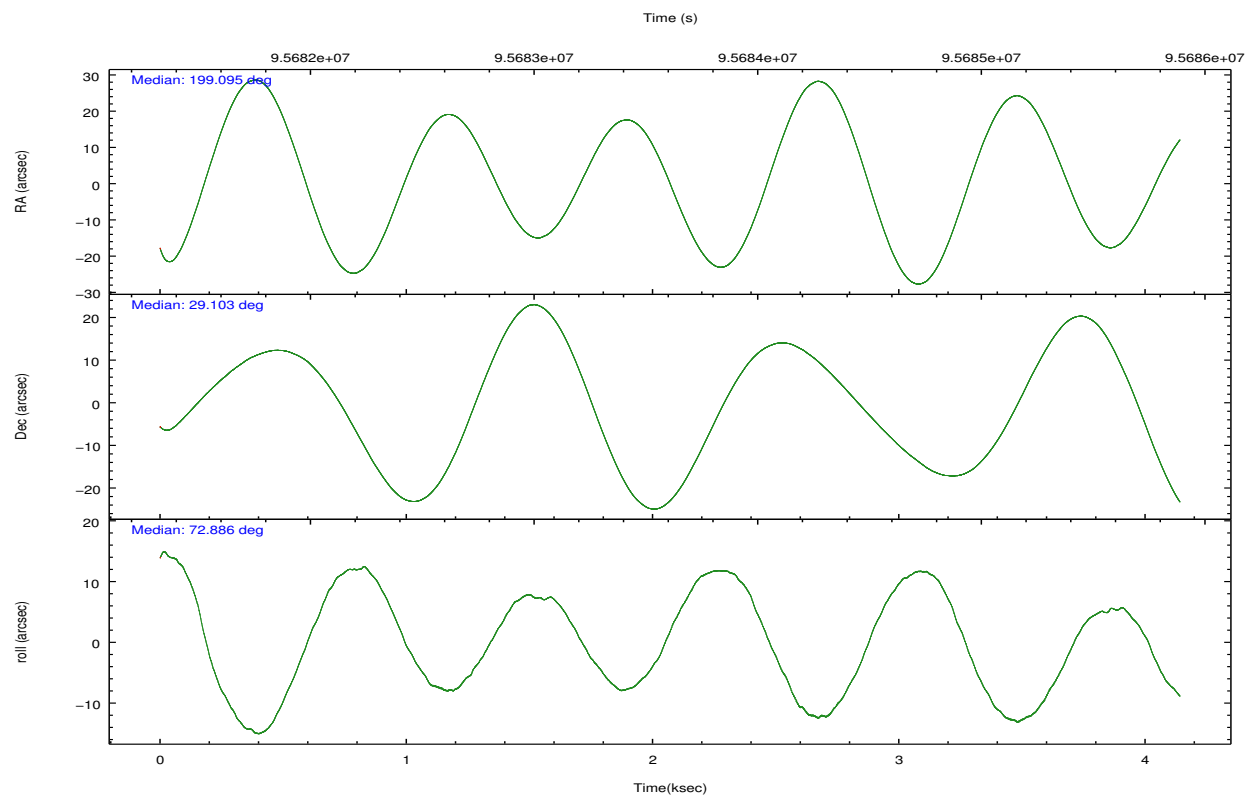
2.2 Compared Parameters

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	199.102747	199.0952541604756
[deg] Pointing Dec	29.075932	29.10261617903271
[deg] Pointing Roll	72.980758	72.88892557817357
[s] Window start time (MET)	94694464.184000	94694464.184000
[s] Window stop time (MET)	97200064.184000	97200064.184000
[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)	95681677.184000	95680392.33907799
Observation start date	2001-01-12T10:13:33	2001-01-12T09:53:12
[s] Observation end time (MET)	95685677.184000	95685811.514286
Observation end date	2001-01-12T11:20:13	2001-01-12T11:23:31

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

2.3 Aspect



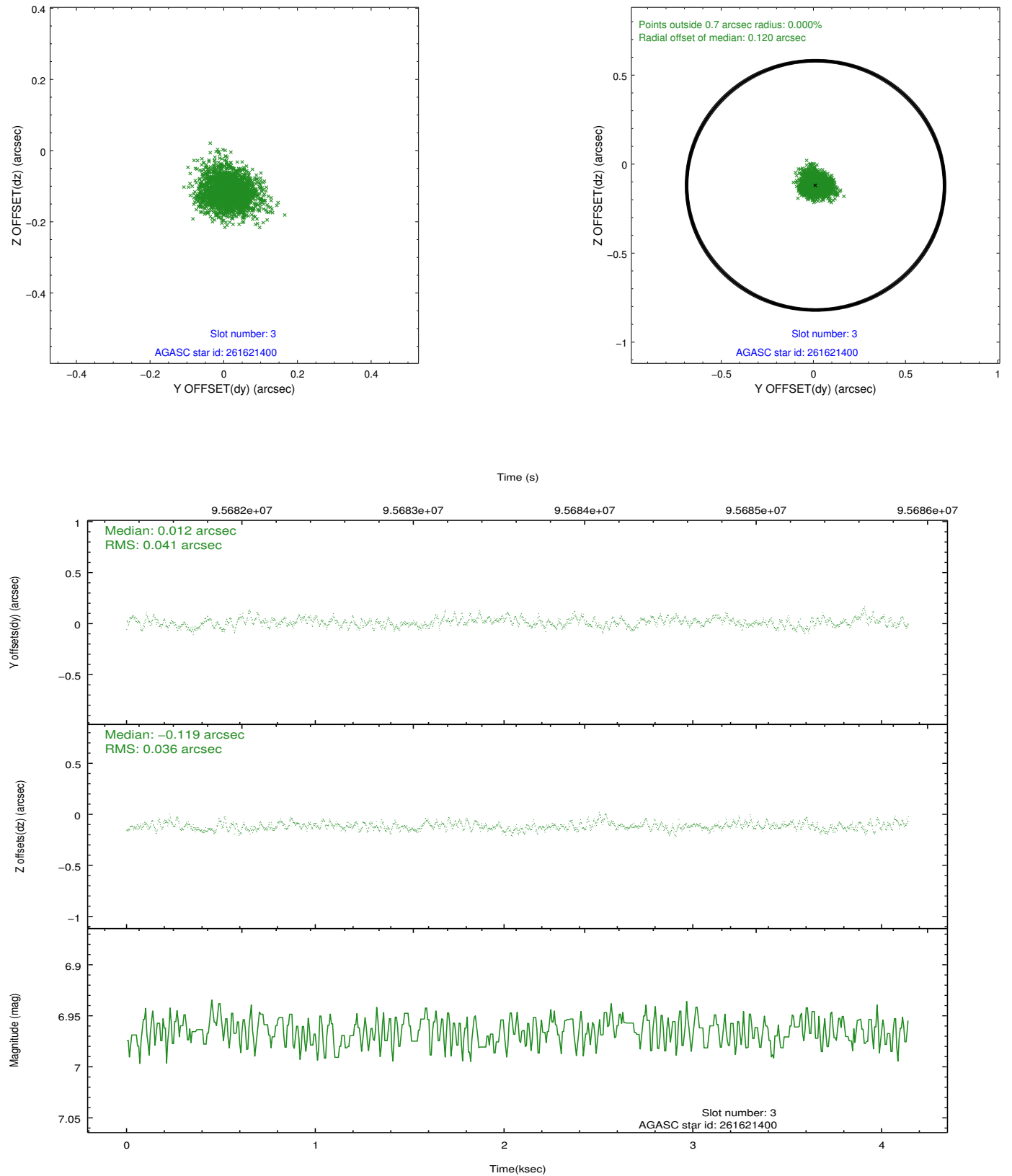


Slot Statistics

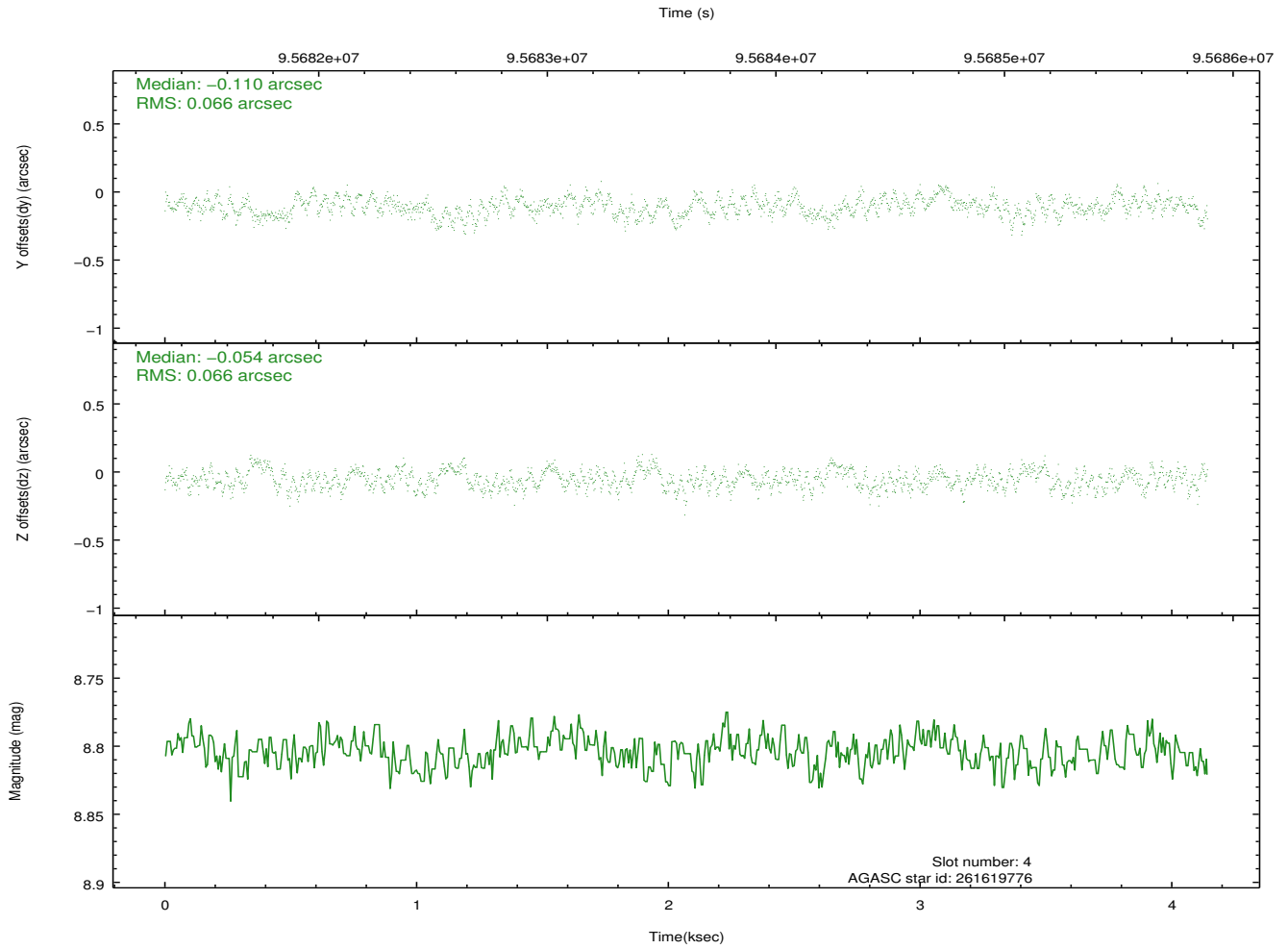
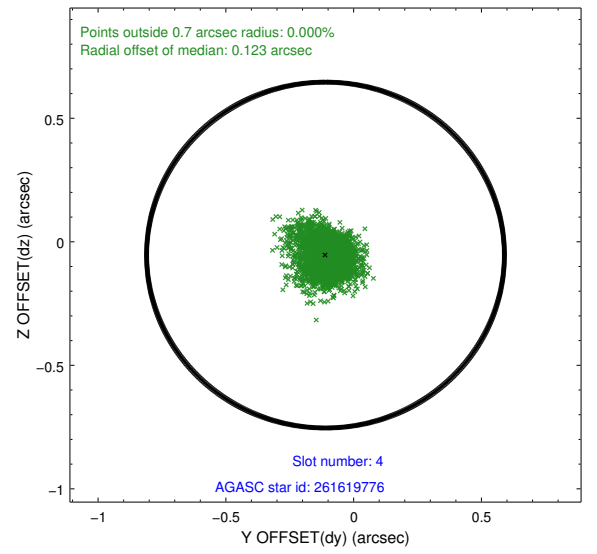
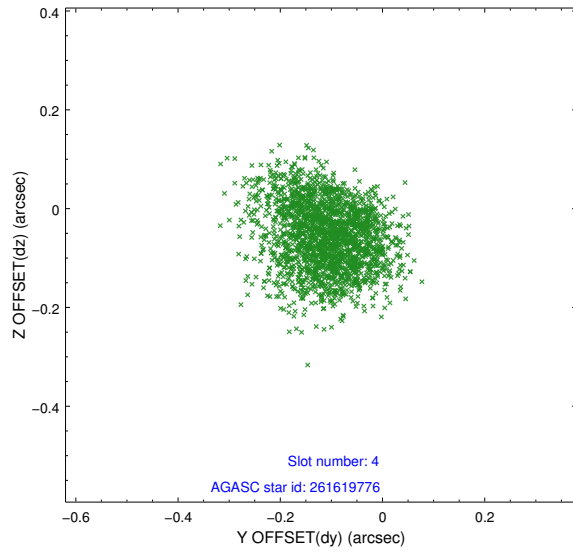
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.98	1011	0.060	0.059	0.006	0.010	0.000000	0.000000	-759.20	-1292.04
1	FID	HRC-I-3	7.07	1011	0.003	-0.081	0.007	0.011	0.000000	0.000000	-1188.48	1011.11
2	FID	HRC-I-4	7.01	1011	0.051	-0.068	0.005	0.008	0.000000	0.000000	1282.43	1010.98
3	GUIDE	261621400	6.96	2021	0.012	-0.119	0.058	0.092	198.901600	28.741982	-1336.17	255.42
4	GUIDE	261619776	8.80	2020	-0.110	-0.054	0.100	0.161	198.654383	29.401174	708.44	1688.34
5	GUIDE	261619992	9.32	2018	0.209	-0.125	0.102	0.164	198.395553	28.647634	-2122.74	1687.90
6	GUIDE	261623040	9.13	2021	-0.194	-0.054	0.080	0.124	198.792686	29.757643	2061.72	1646.41
7	GUIDE	261623624	9.12	2019	0.078	0.350	0.097	0.149	199.611555	28.454113	-1665.99	-2192.94

2.4 Star Slots

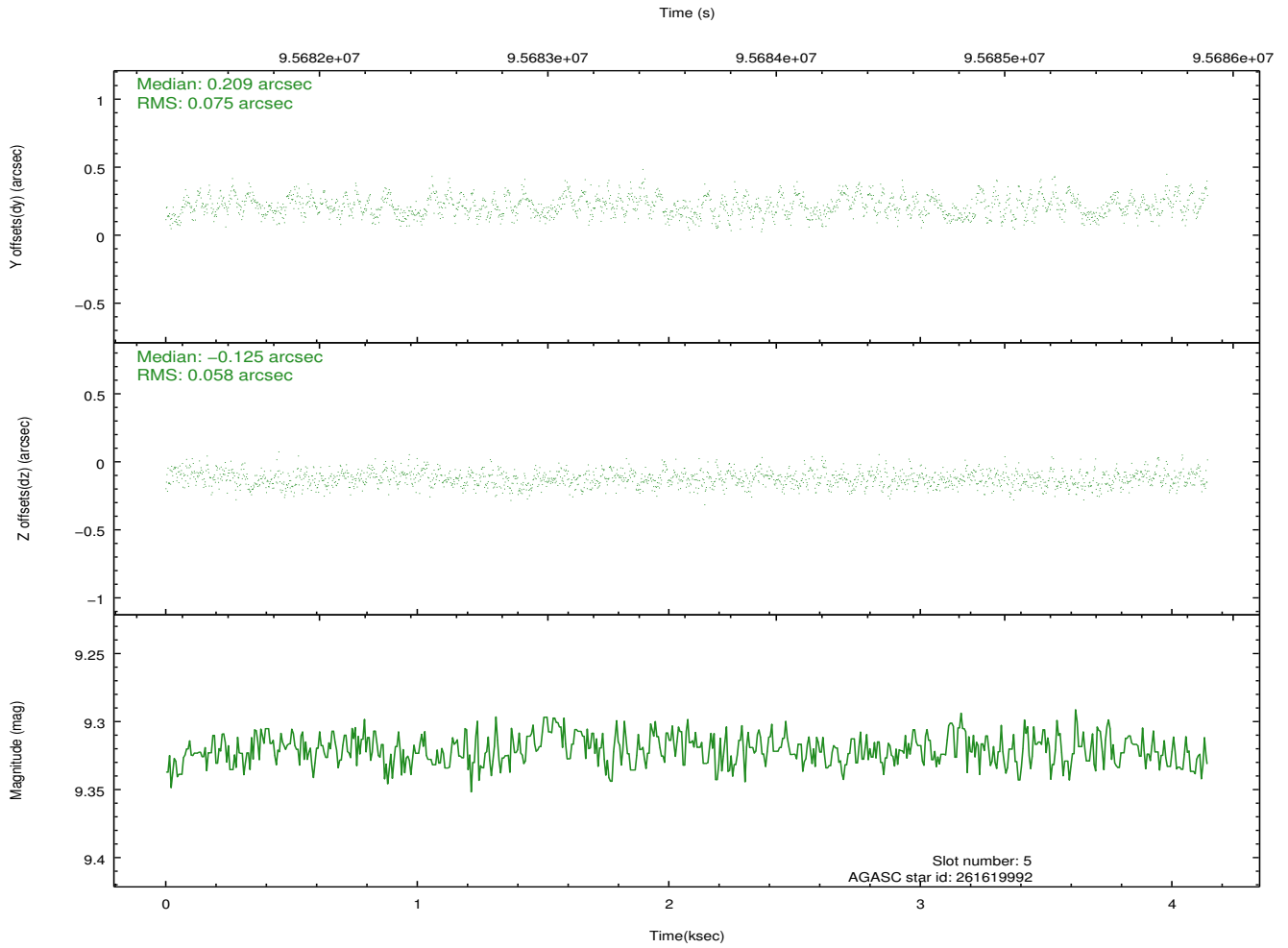
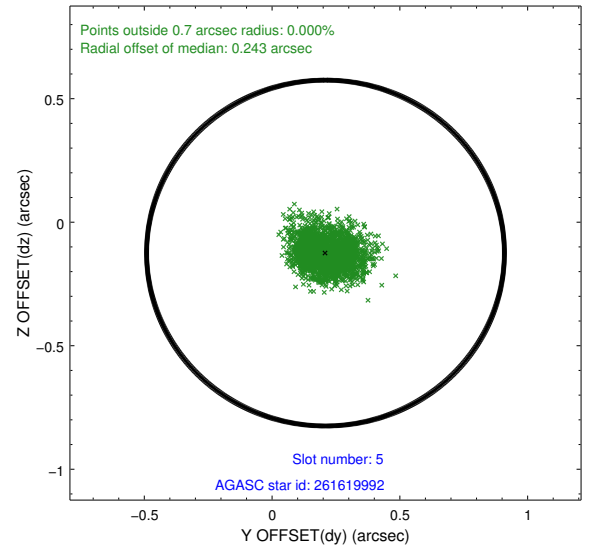
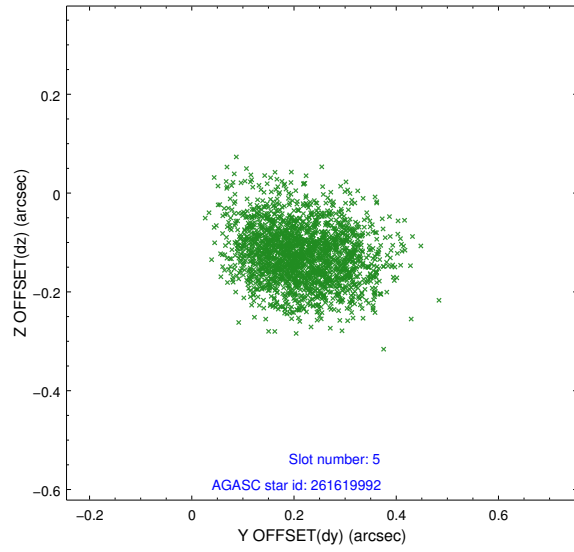
2.4.1 Slot 3



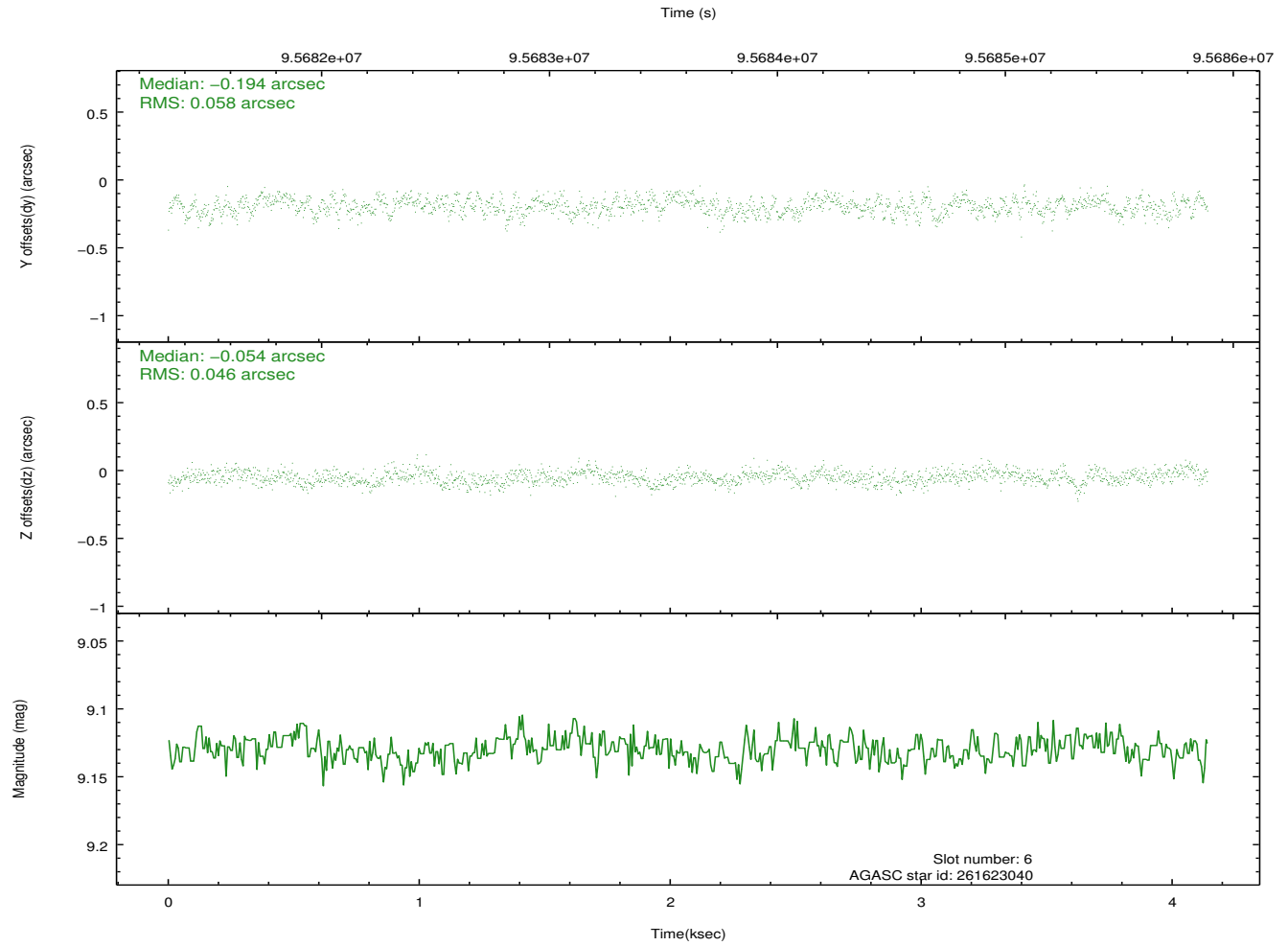
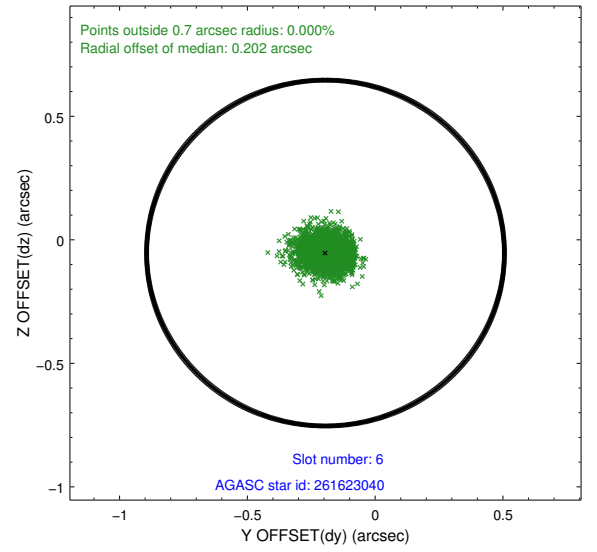
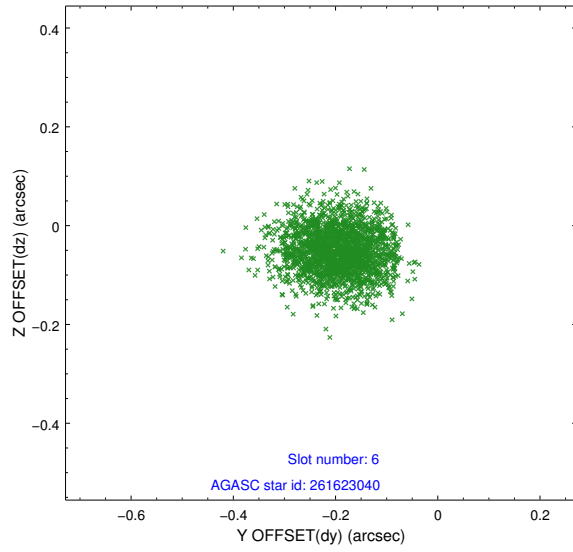
2.4.2 Slot 4



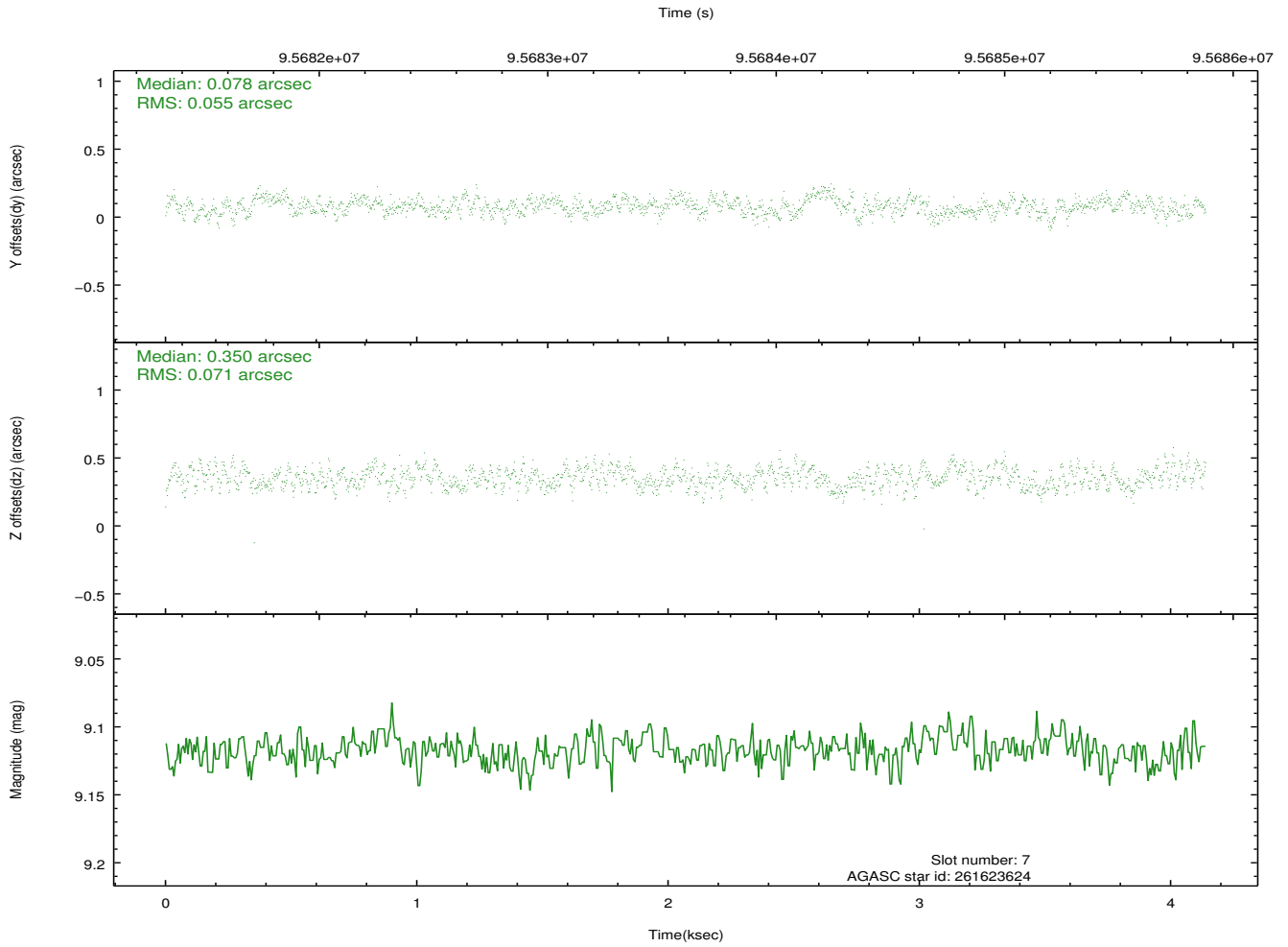
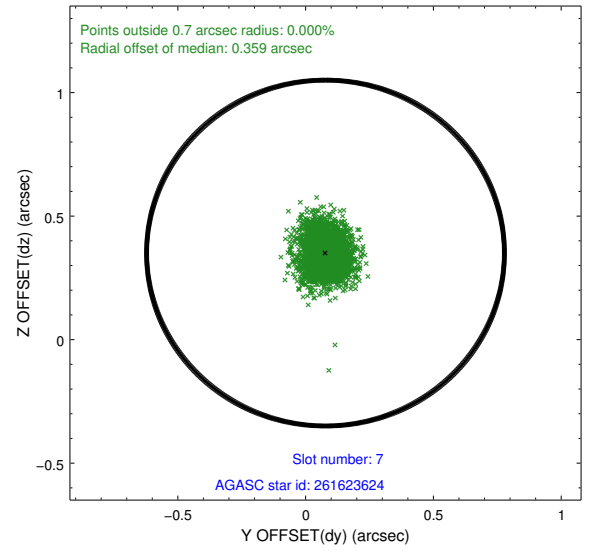
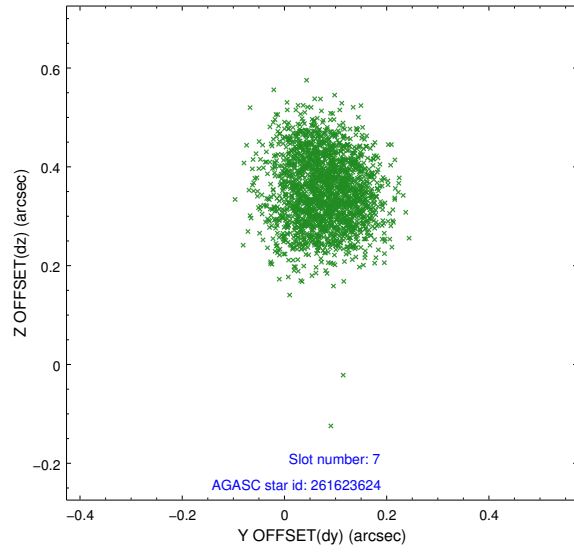
2.4.3 Slot 5



2.4.4 Slot 6

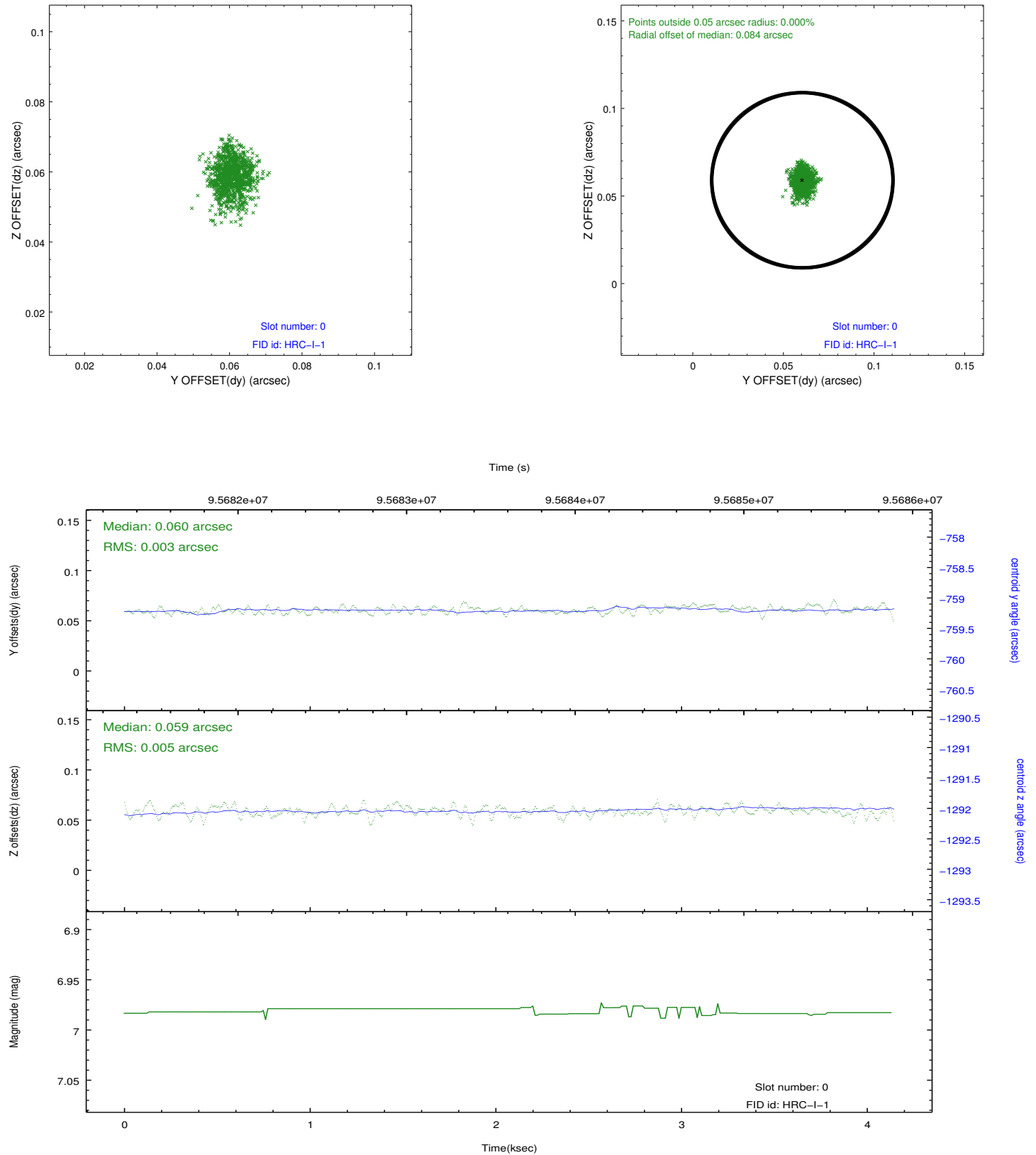


2.4.5 Slot 7

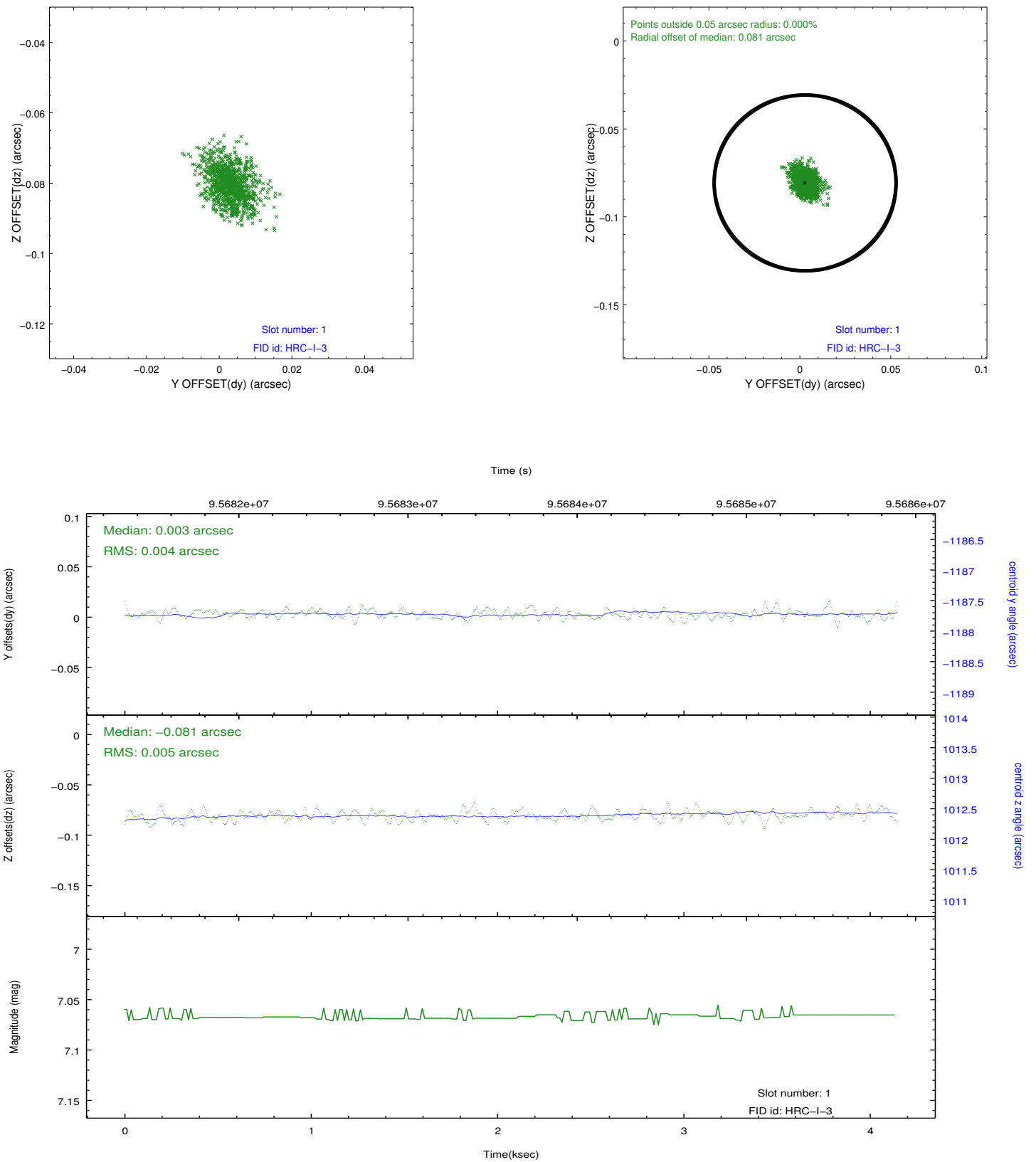


2.5 FID Slots

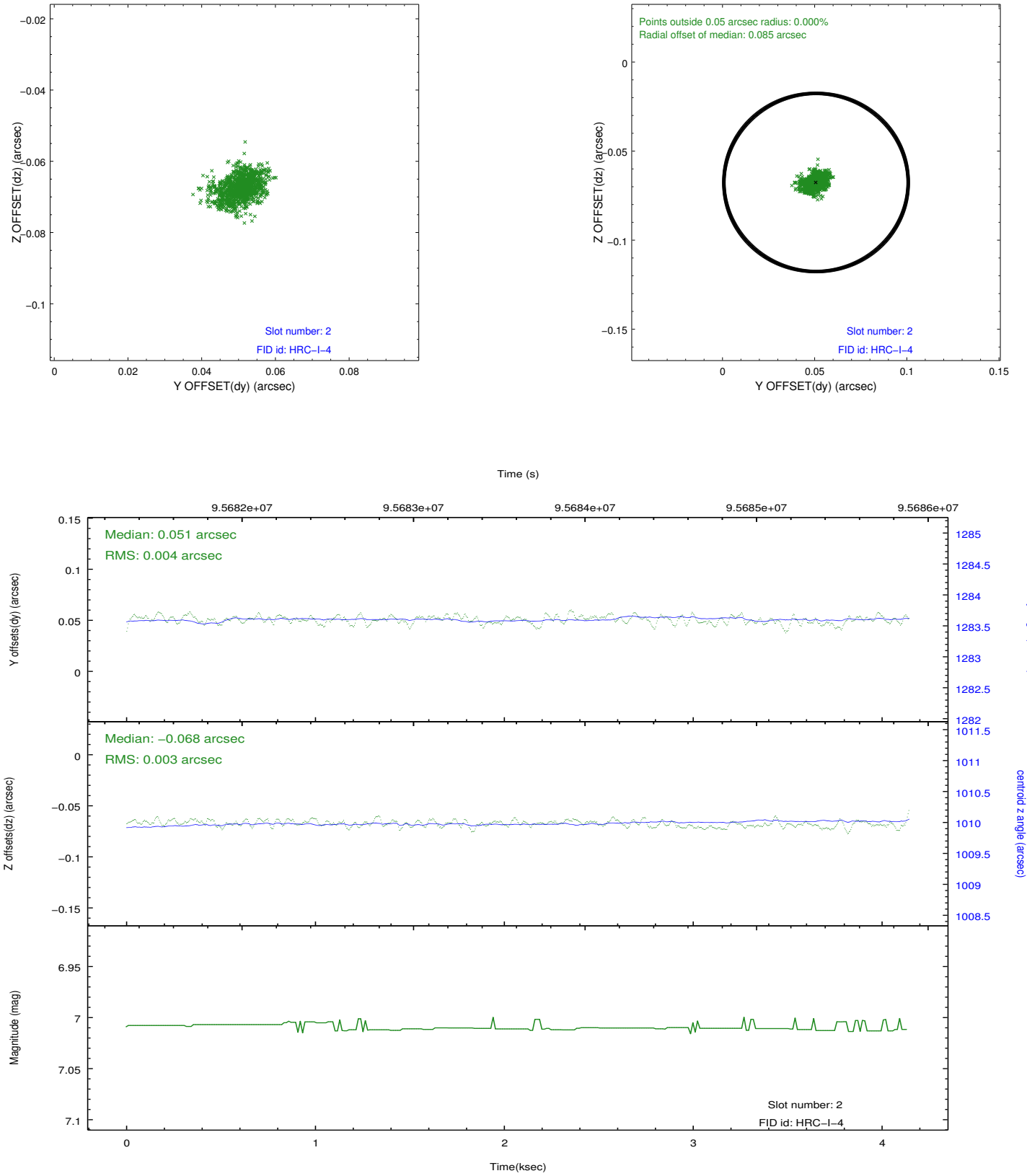
2.5.1 Slot 0



2.5.2 Slot 1

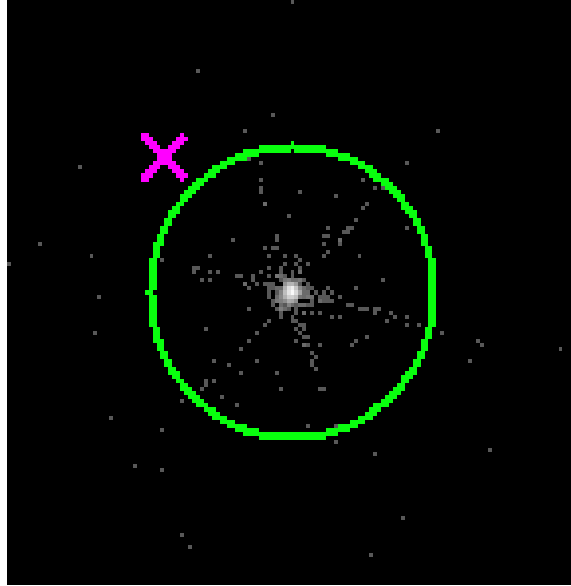


2.5.3 Slot 2

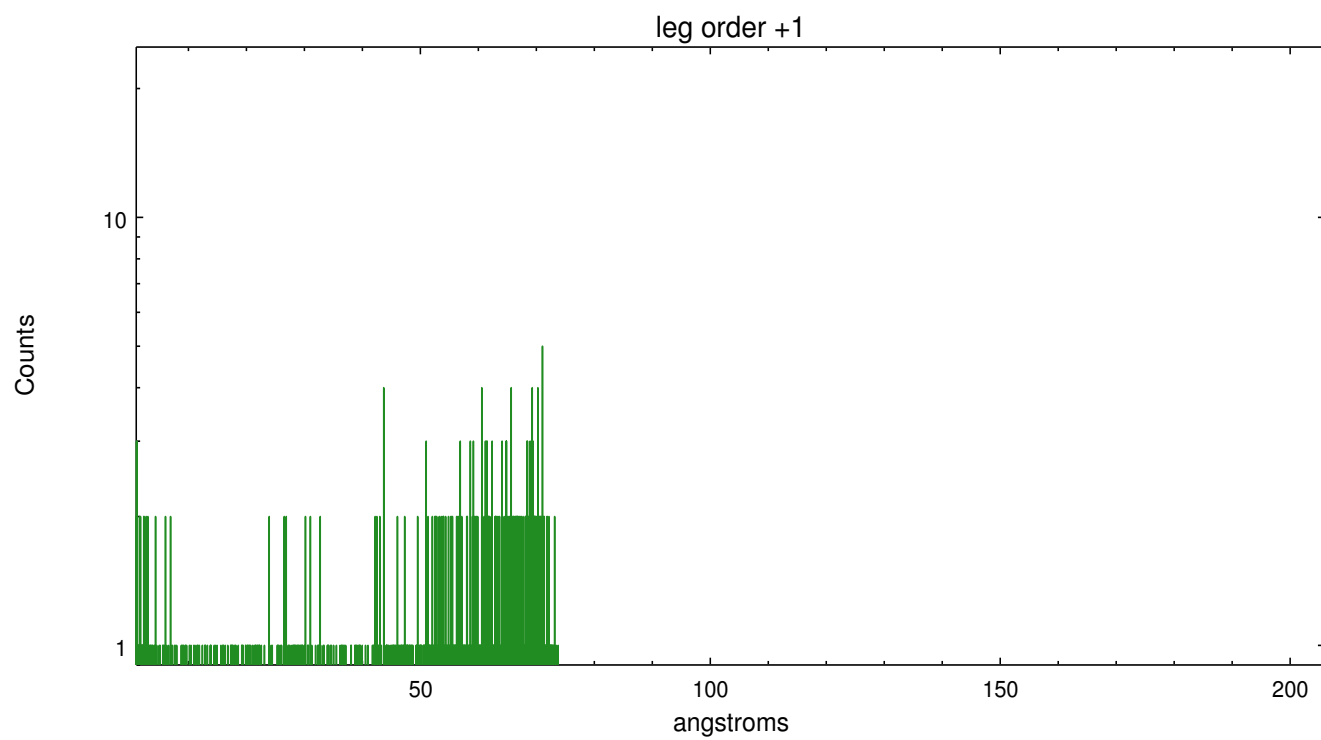
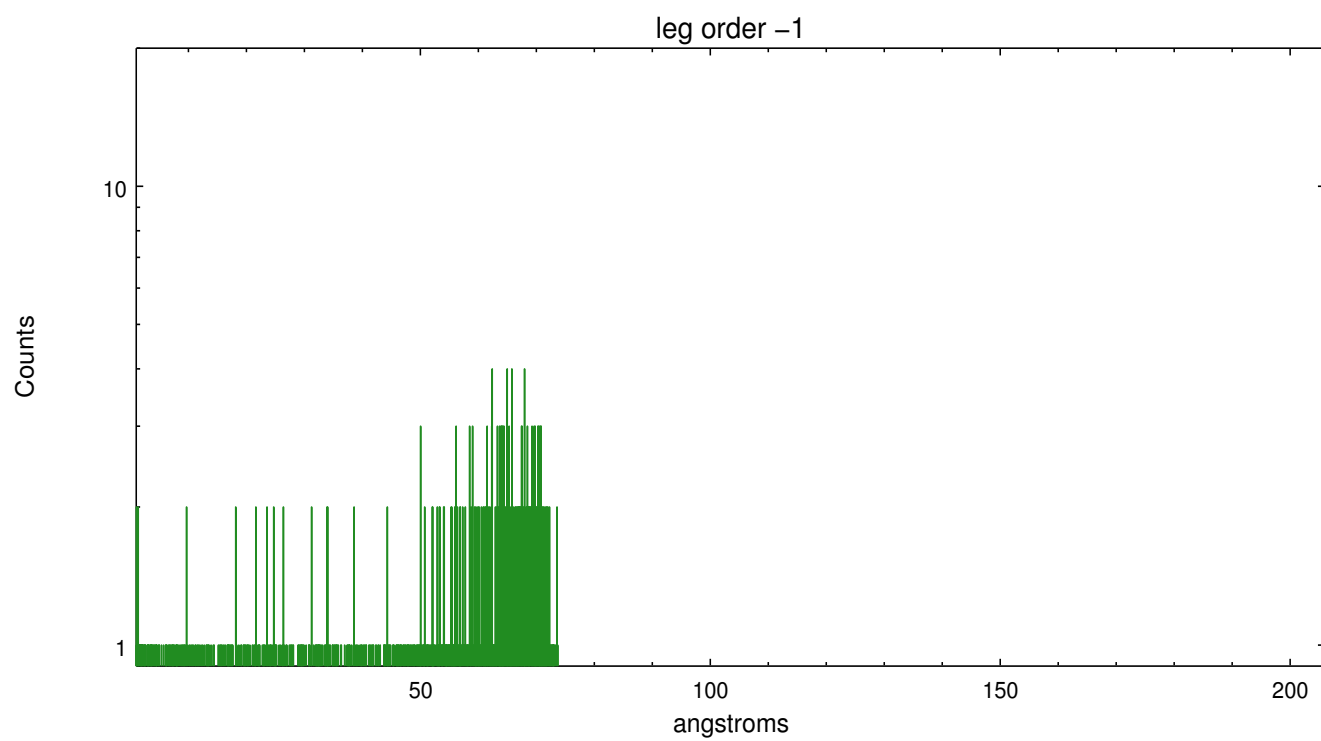


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.09.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.892

A.2 Comments

Incorrect coordinates given by observer. Source is found at
ra=13:16:21.836, dec=+29:05:55.19.