

V&V Reference Report

L2 ASCDS Version : 8.1.1

Observation 1388 - L2 Version 4

Chandra X-Ray Center

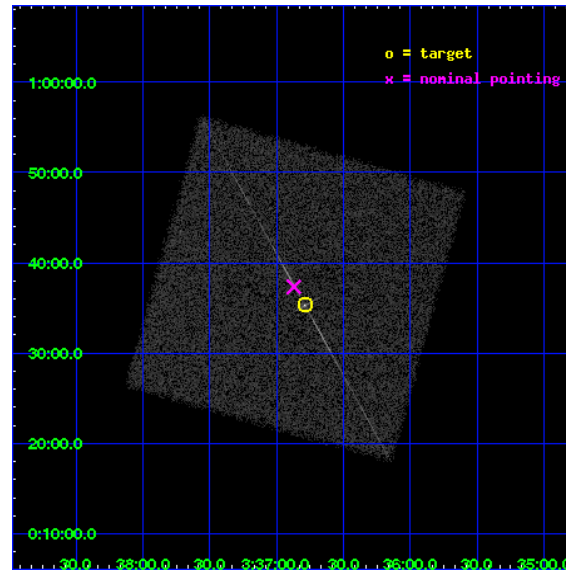
L2 Processing Date : Nov 20 2009

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1 Front

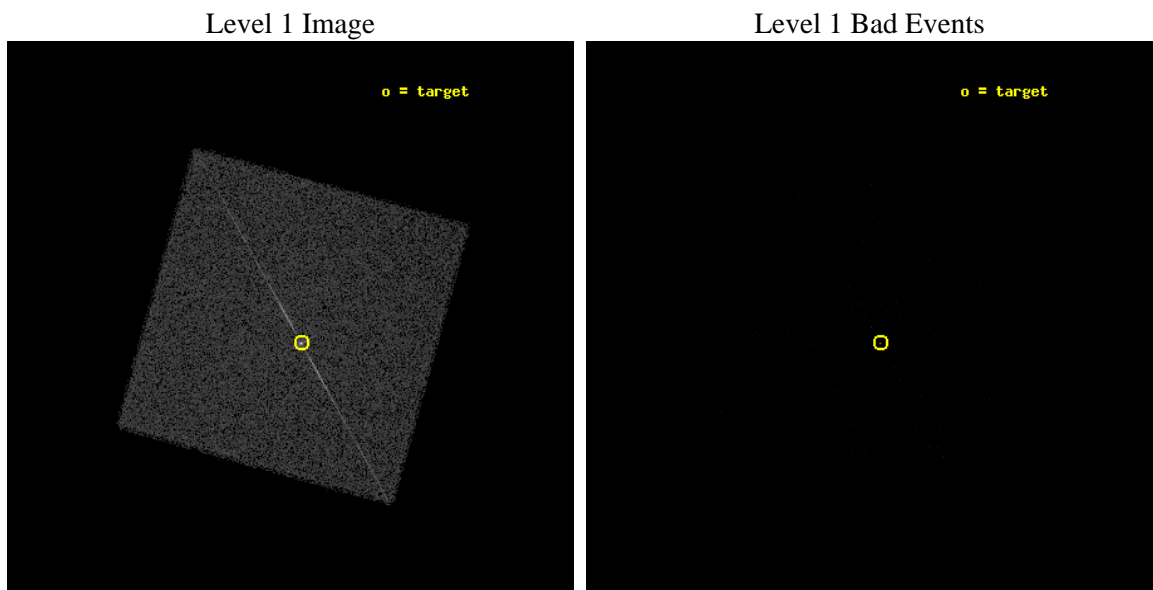
seq_num	280338	Sequence number
obs_id	1388	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HR1099	Source name
ra_targ	54.197083	Observer's specified target RA
dec_targ	0.589972	Observer's specified target Dec
ra_nom	54.217747764958	Nominal RA
dec_nom	0.62231501099566	Nominal Dec
roll_nom	60.646298512897	Nominal Roll
revision	4	Processing version of data
ontime	2274.7313320562	[s]
livetime	2259.9551009145	Ontime multiplied by DTCOR
l2events	72775	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	2000.000000	Scheduled observation exposure time
ascdsver	8.1.1	Processing system revision	ontime	2274.7313320562	[s]
caldbver	4.1.4	 	l1events	112537	Number of level 1 events
date	2009-11-20T16:25:14	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

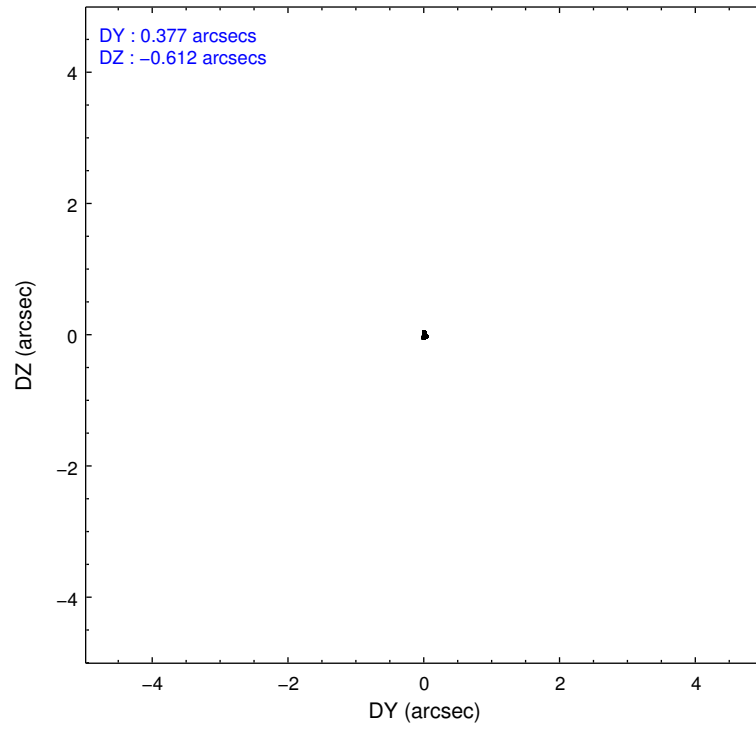
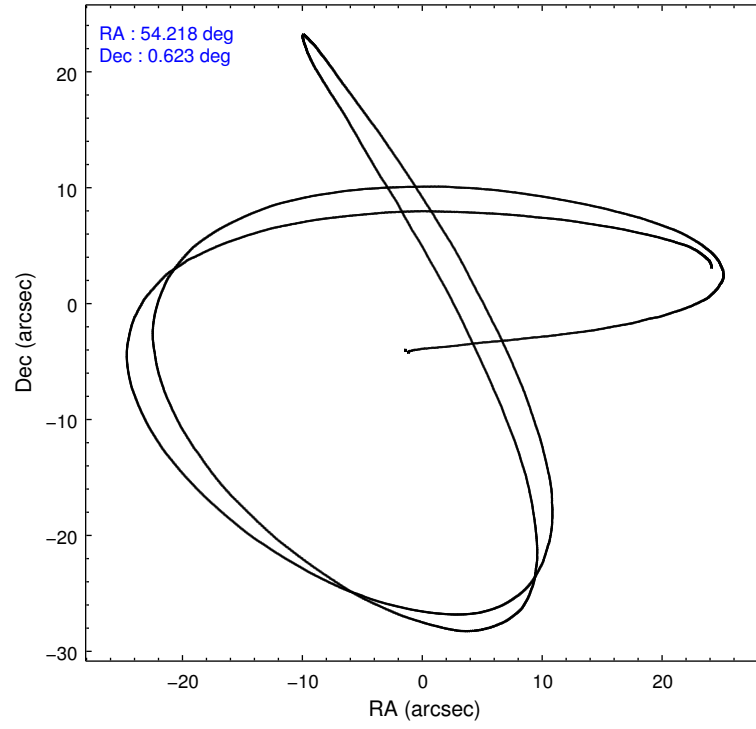
Level 1 Events

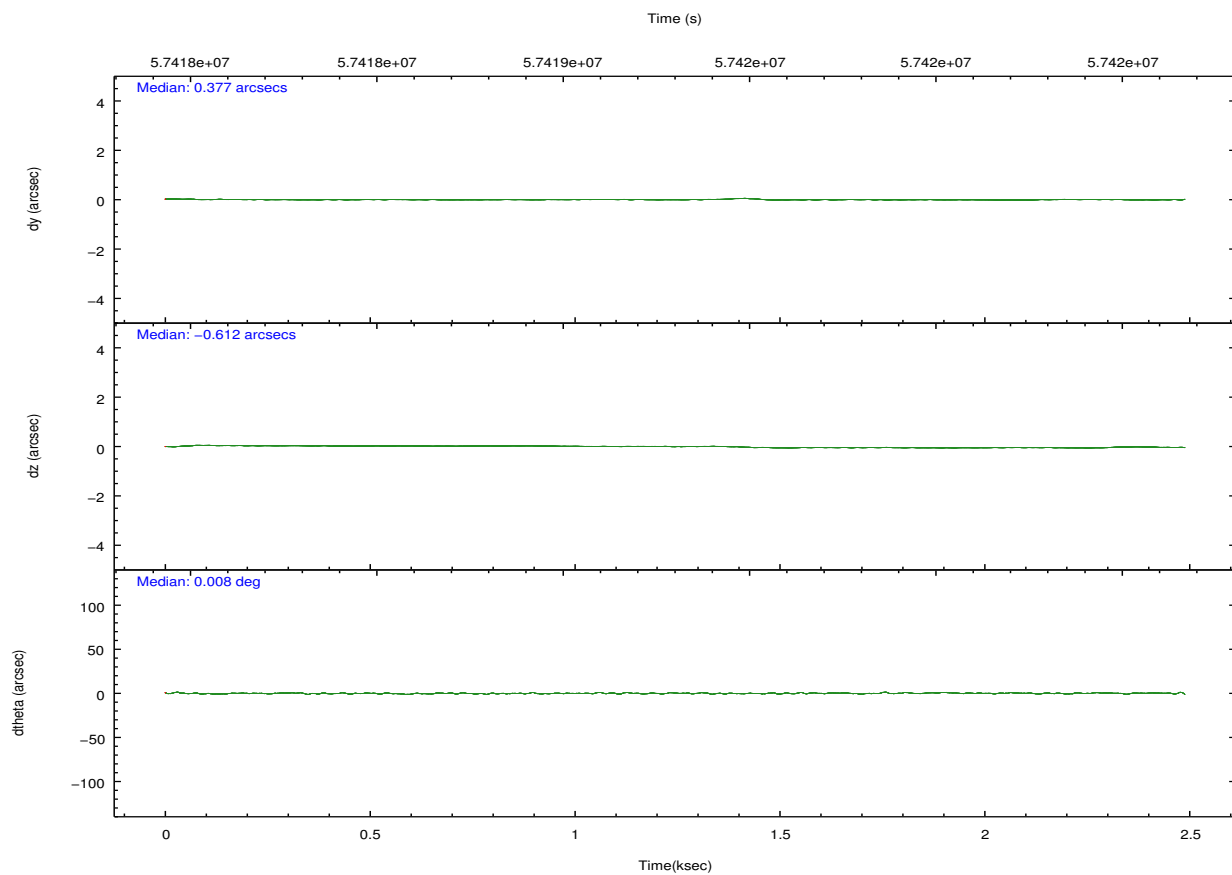
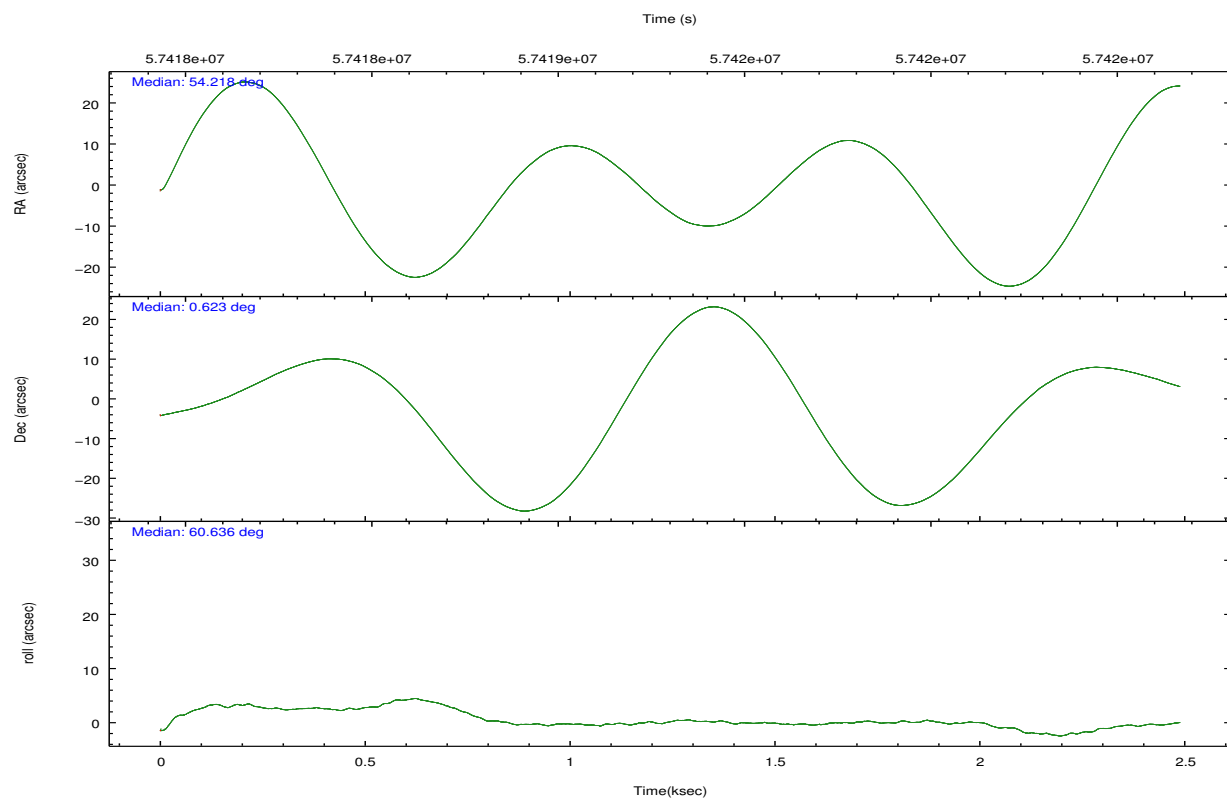
	segment 0
level 1 events	112537
rejected events	2532
rejected %	2%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	LETG	LETG	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	54.217595	54.2177477649582			
Pointing Dec	0.594530	0.6223150109956618			
Pointing Roll	60.741768	60.64629851289708			
SIM focus pos (mm)	-1.040293	-1.038866356238299			
SIM defocus (mm)	0	0.001426264420575141			
SIM translation stage pos (mm)	126.985494	126.9854943052878			
SIM translation stage offset (mm)	0	-5.413686238853188e-06			
Observation start time	57418545.184000	57417879.893426			
Observation start date	1999-10-27T13:34:41	1999-10-27T13:24:39			
Observation end time	57420545.184000	57420679.168527			
Observation end date	1999-10-27T14:08:01	1999-10-27T14:11:19			

2.3 Aspect



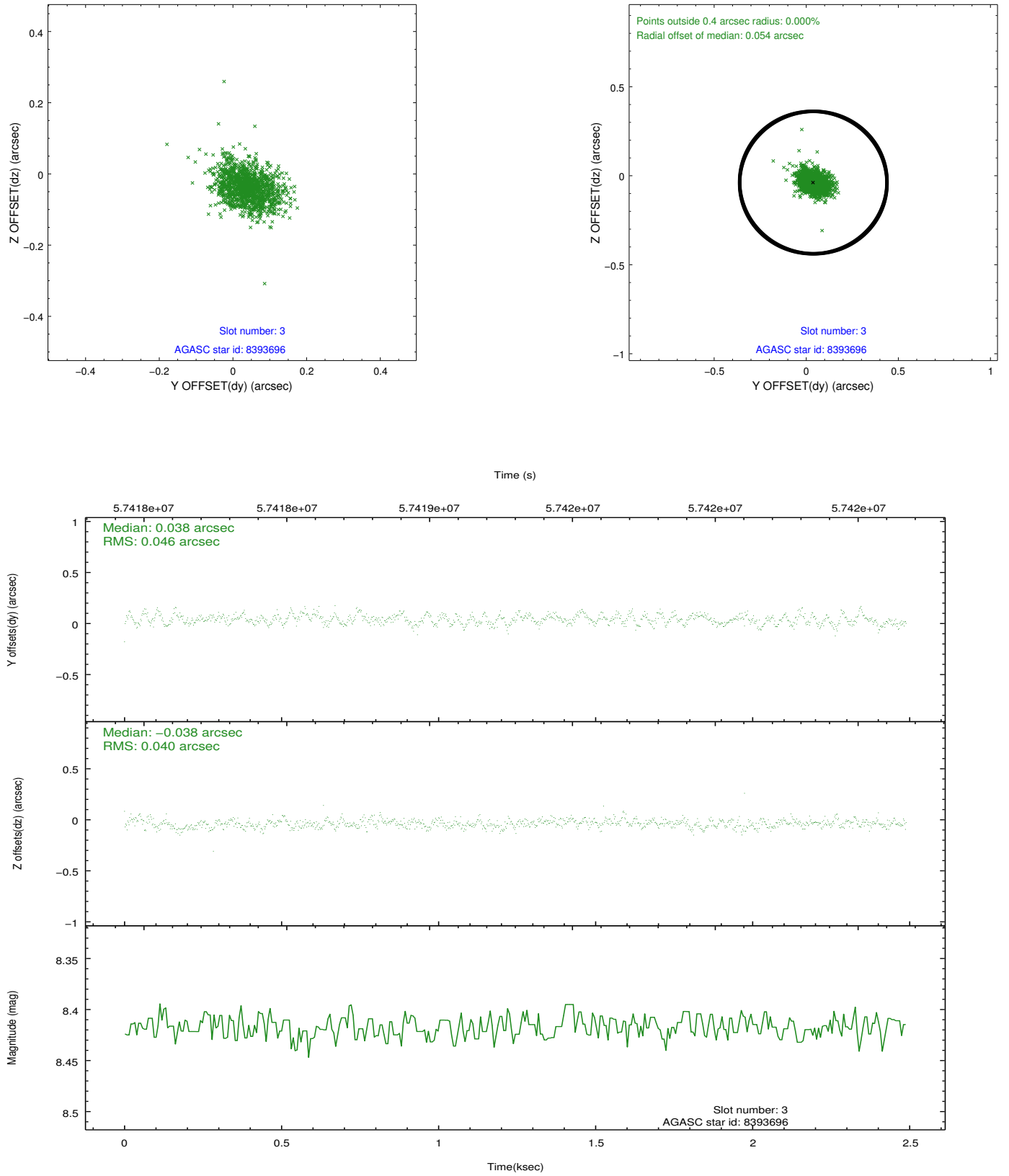


Slot Statistics

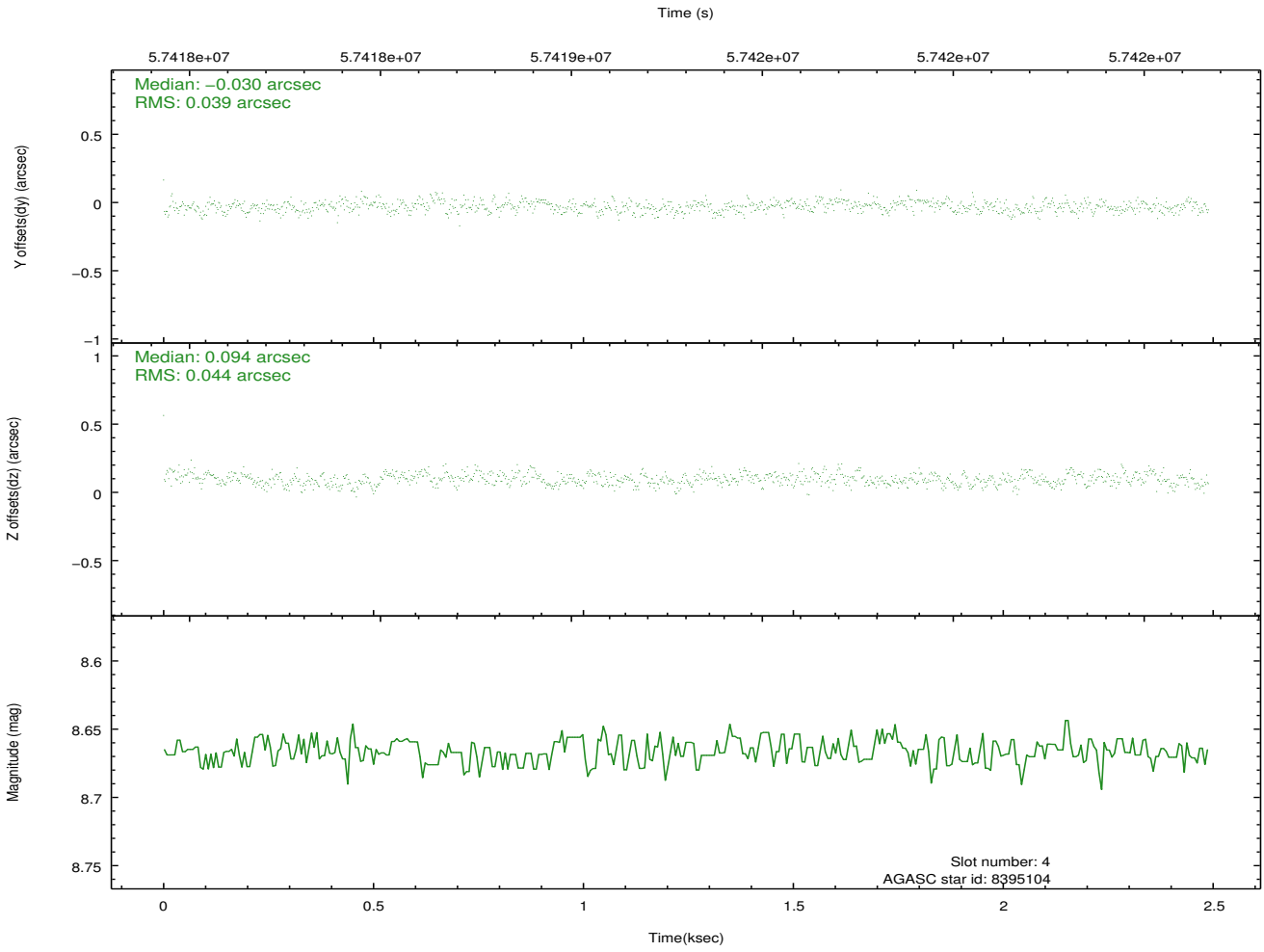
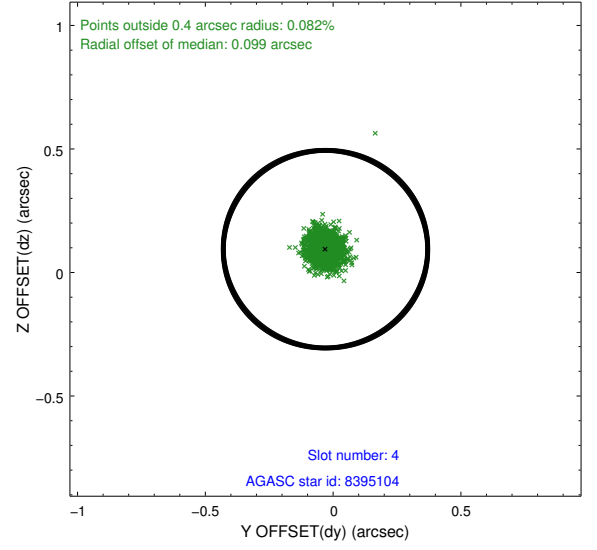
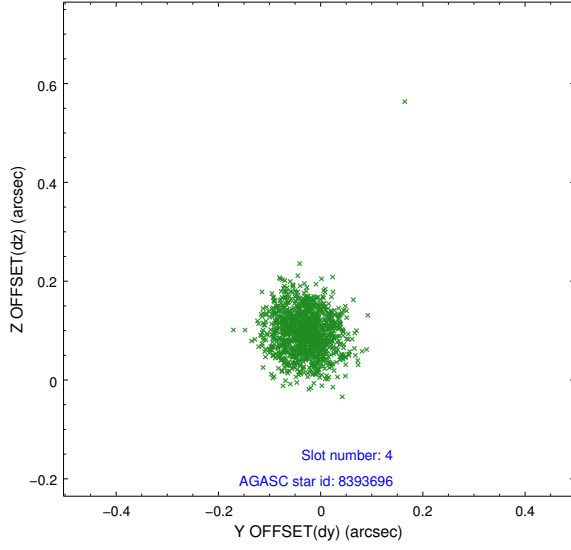
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.95	1215	0.034	0.015	0.007	0.012	0.000000	0.000000	-755.73	-1287.06
1	FID	HRC-I-2	6.99	1215	0.053	-0.048	0.006	0.010	0.000000	0.000000	856.30	-1289.72
2	FID	HRC-I-3	7.03	1215	0.032	-0.055	0.006	0.010	0.000000	0.000000	-1183.55	1016.37
3	GUIDE	8393696	8.42	1215	0.038	-0.038	0.064	0.105	53.645666	0.680479	-737.81	1949.86
4	GUIDE	8395104	8.67	1215	-0.030	0.094	0.062	0.096	54.744893	0.796520	1560.46	-1295.97
5	GUIDE	8399352	9.93	1211	-0.014	-0.054	0.106	0.175	53.946831	1.204693	1439.79	1925.55
6	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
7	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

2.4 Star Slots

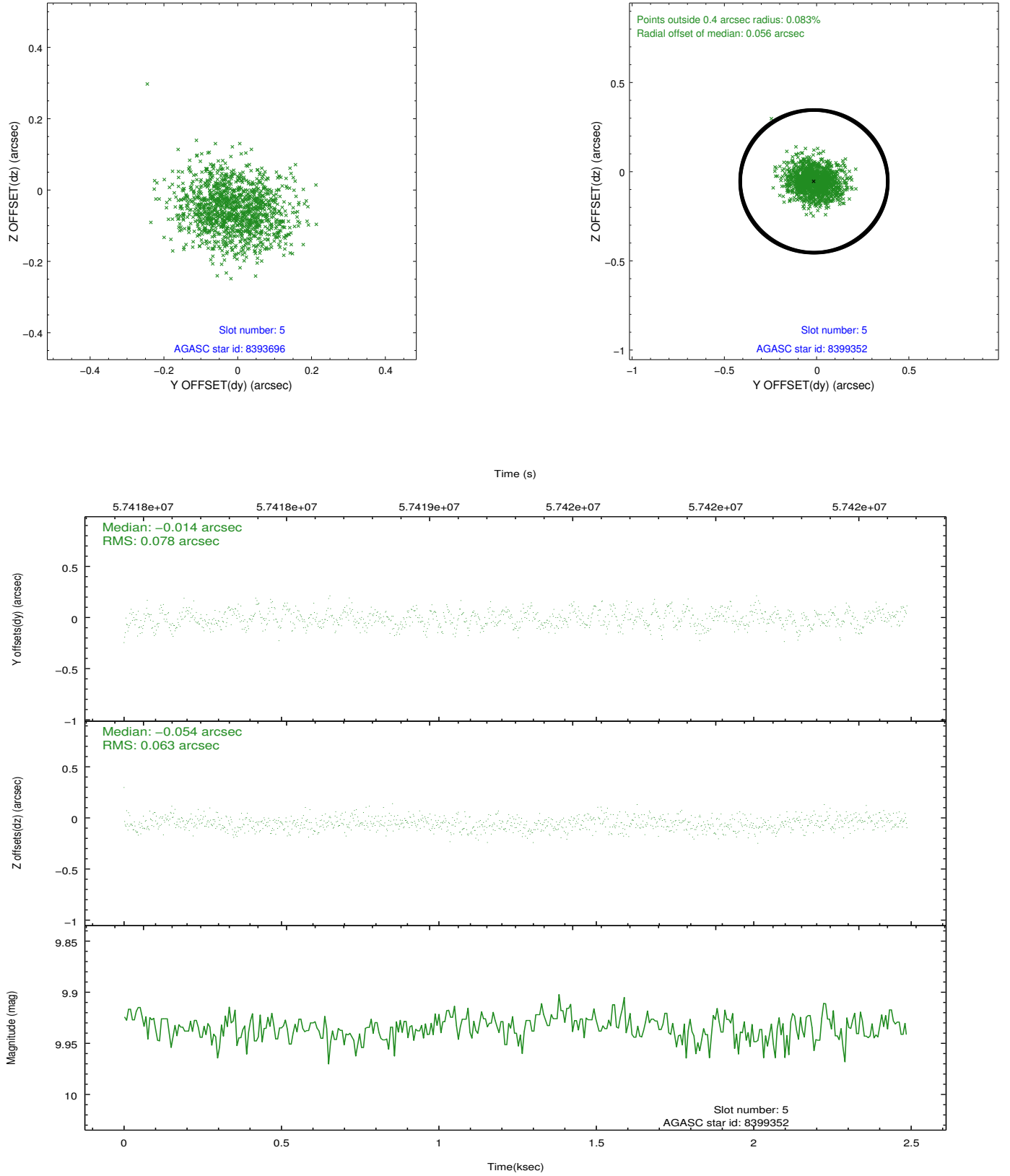
2.4.1 Slot 3



2.4.2 Slot 4

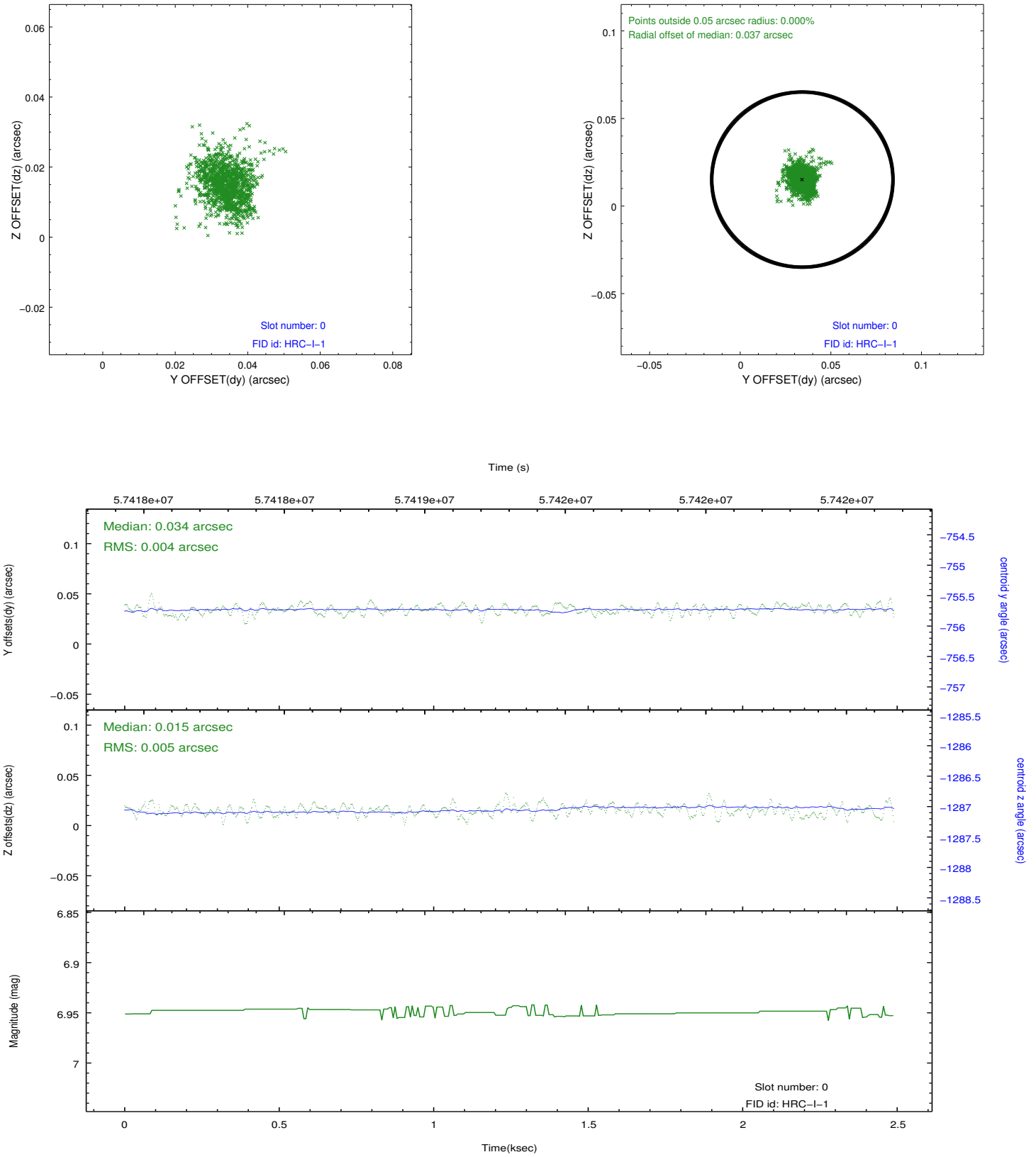


2.4.3 Slot 5

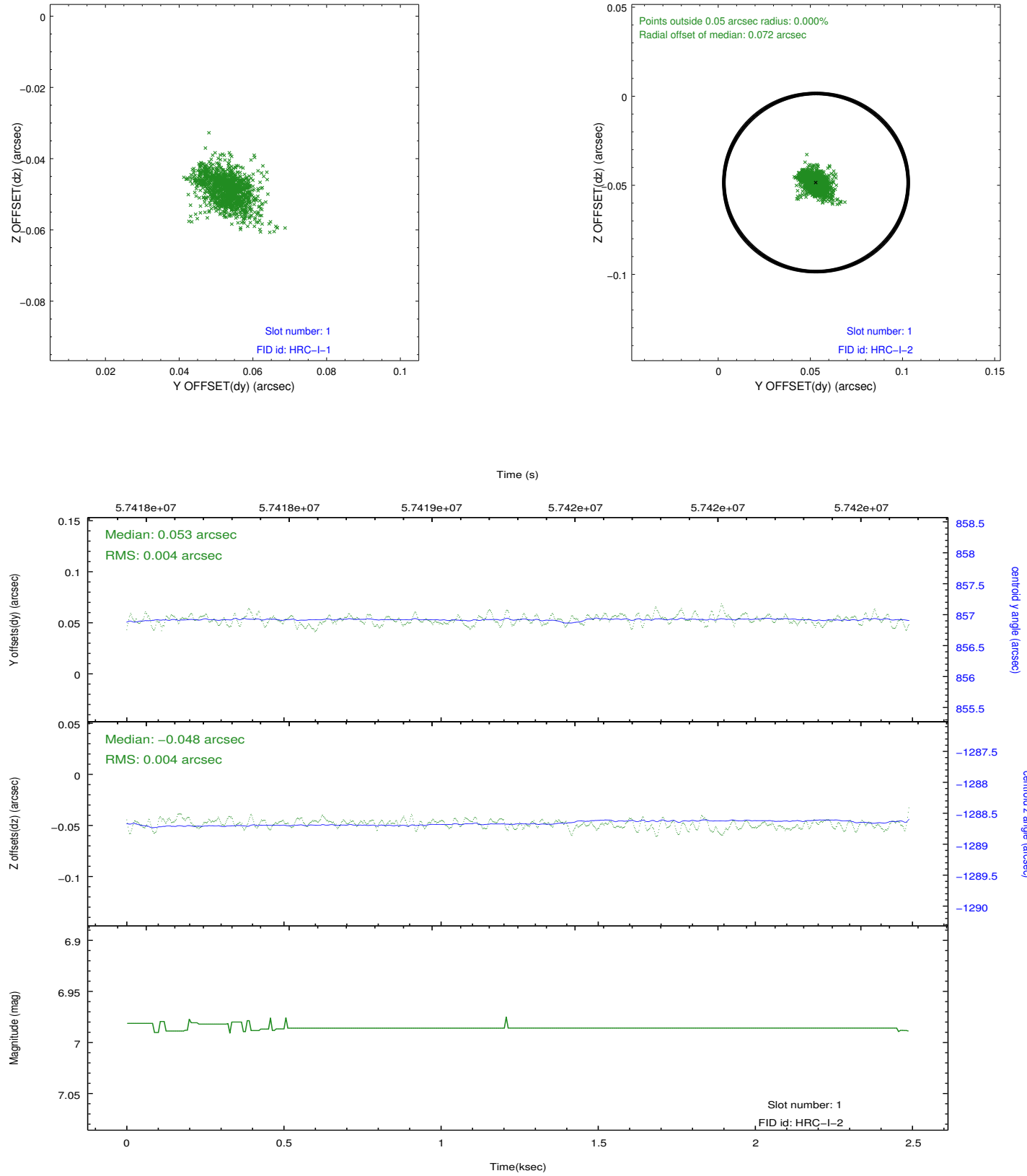


2.5 FID Slots

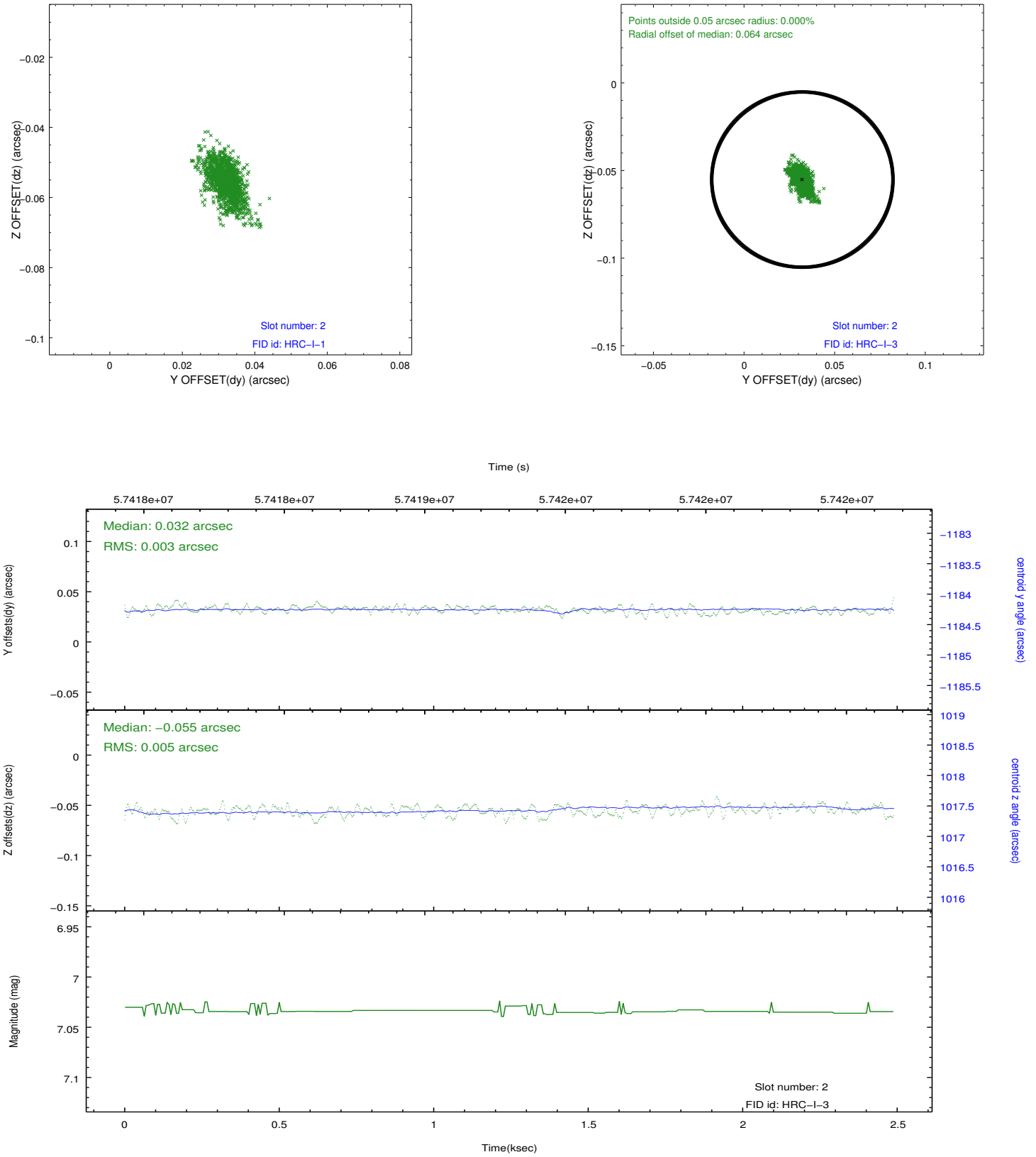
2.5.1 Slot 0



2.5.2 Slot 1

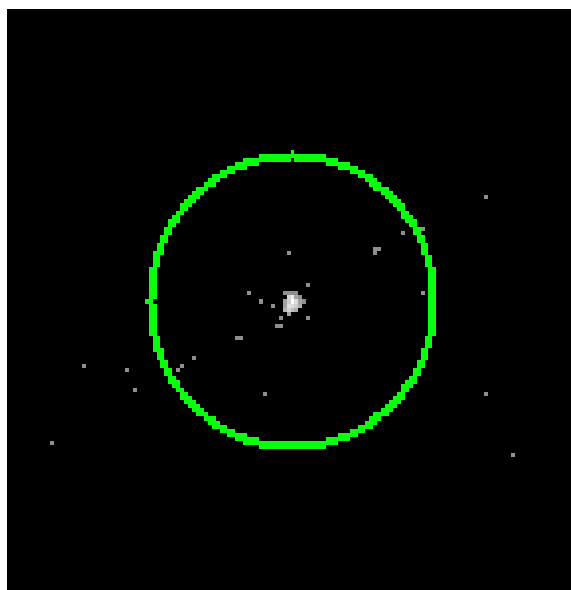


2.5.3 Slot 2

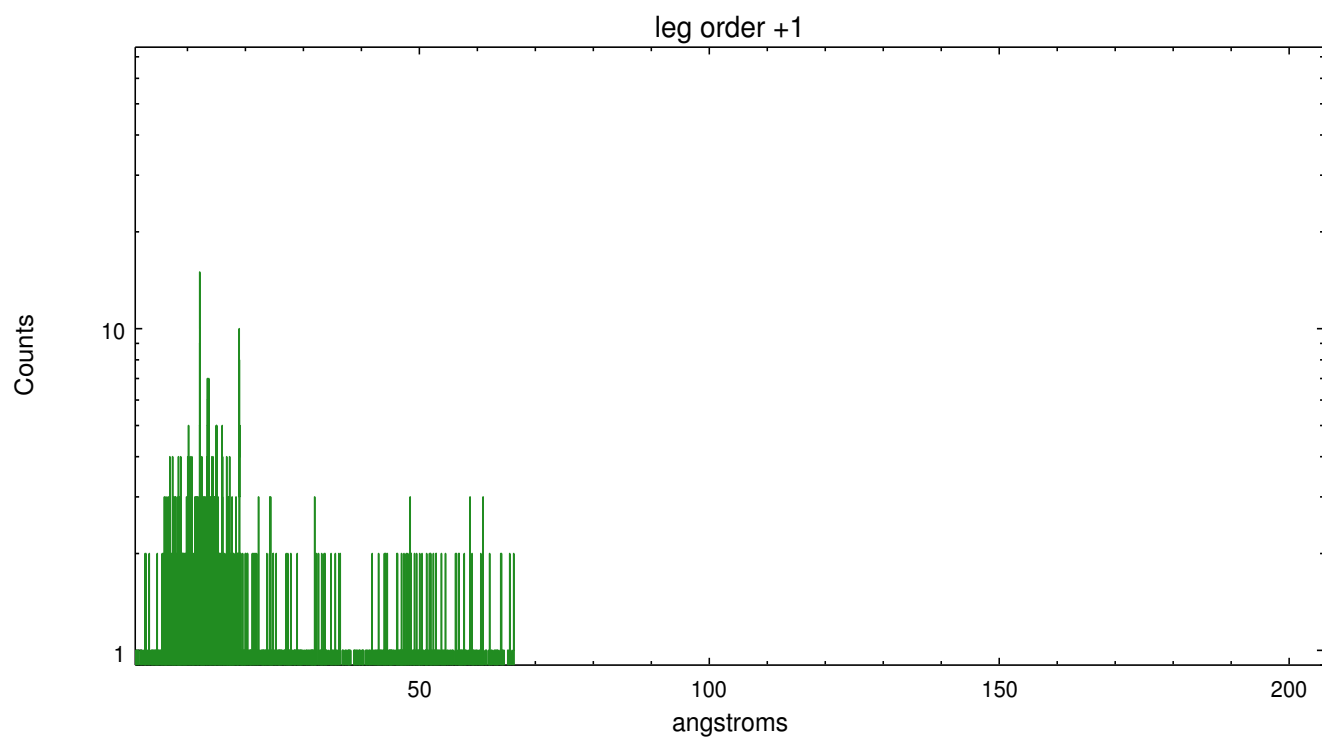
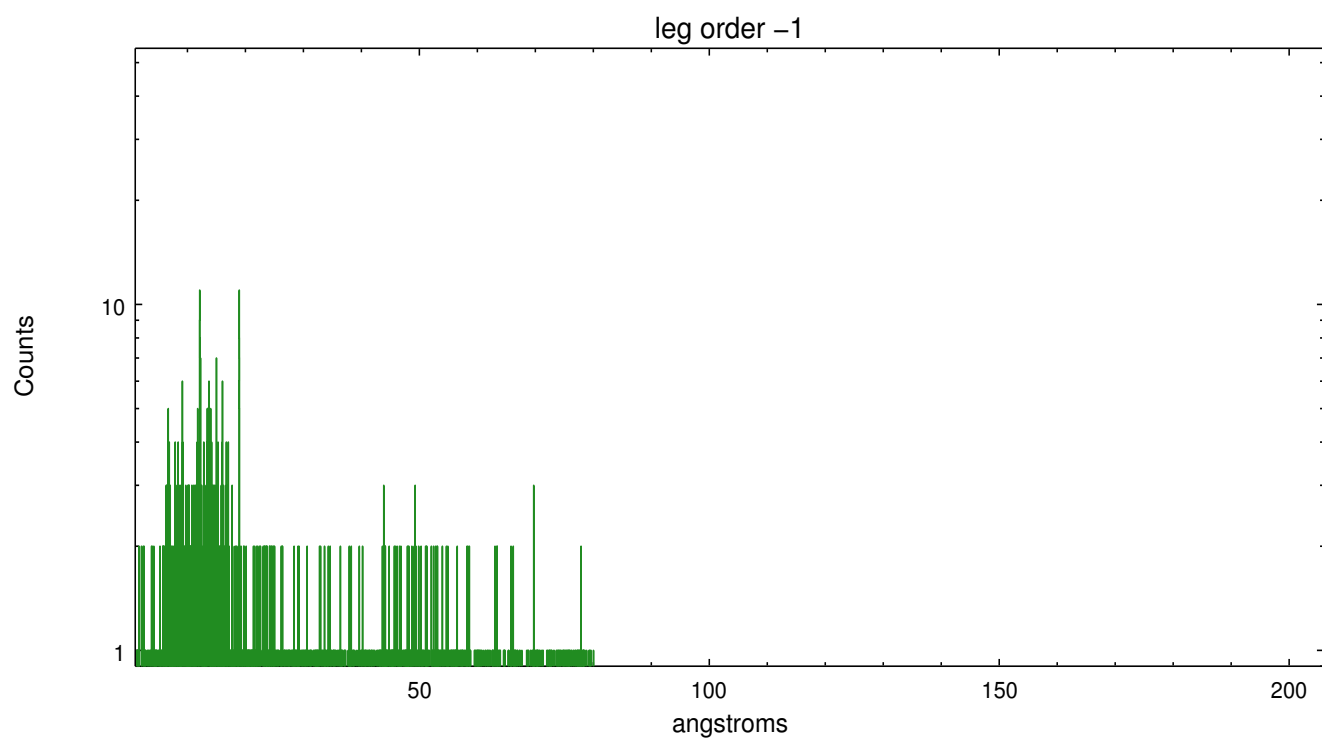


3 Gratings

3.1 LETG Arm



LETG Zero Order



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.04.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.274

A.2 Comments

HRC-I PSF test. RA and Dec in observers's request are for aim point.
Target is slightly off-axis.

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The guide stars in slots 6 and 7 were not utilized in this observation.
The aspect solution is not expected to be significantly degraded
expected by
removing two guide stars from the solution.