

V&V Reference Report

L2 ASCDS Version : 8.2.1

Observation 1201 - L2 Version 3
Chandra X-Ray Center

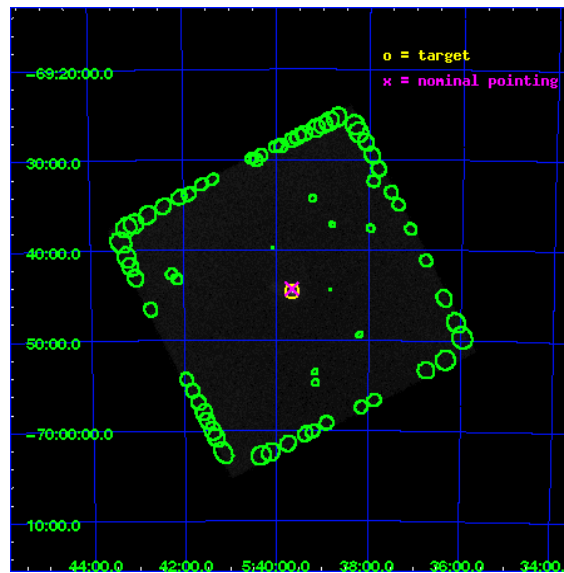
L2 Processing Date : Jan 12 2010

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1 Front

seq_num	480151	Sequence number
obs_id	1201	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	LMC X-1	Source name
ra_targ	84.914583	Observer's specified target RA
dec_targ	-69.743611	Observer's specified target Dec
ra_nom	84.91645769209	Nominal RA
dec_nom	-69.738718877471	Nominal Dec
roll_nom	107.98942061222	Nominal Roll
revision	3	Processing version of data
ontime	10057.30036135	[s]
livetime	9956.6832802901	Ontime multiplied by DTCOR
l2events	555468	Number of level 2 events

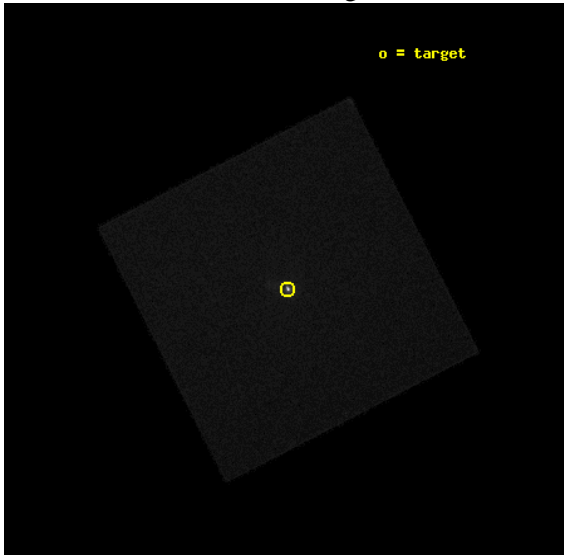


2 OBI

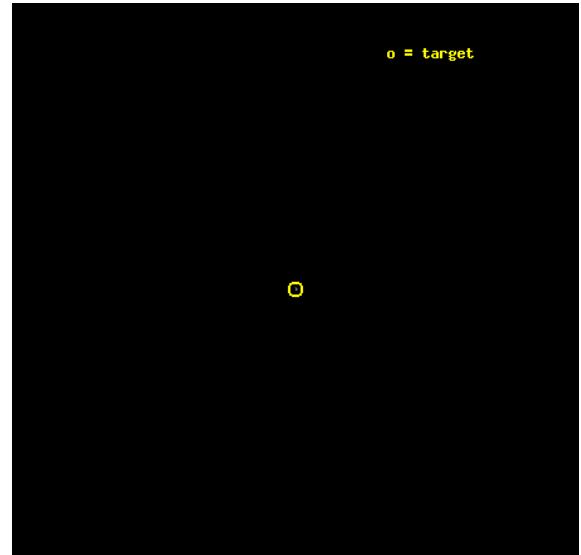
2.1 OBI

2.1.1 Images

Level 1 Image



Level 1 Bad Events



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	45000.000000	Scheduled observation exposure time
ascdsver	8.2.1	Processing system revision	ontime	10057.30036135	[s]
caldbver	4.1.5	 	ll events	885211	Number of level 1 events
date	2010-01-12T15:45:00	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

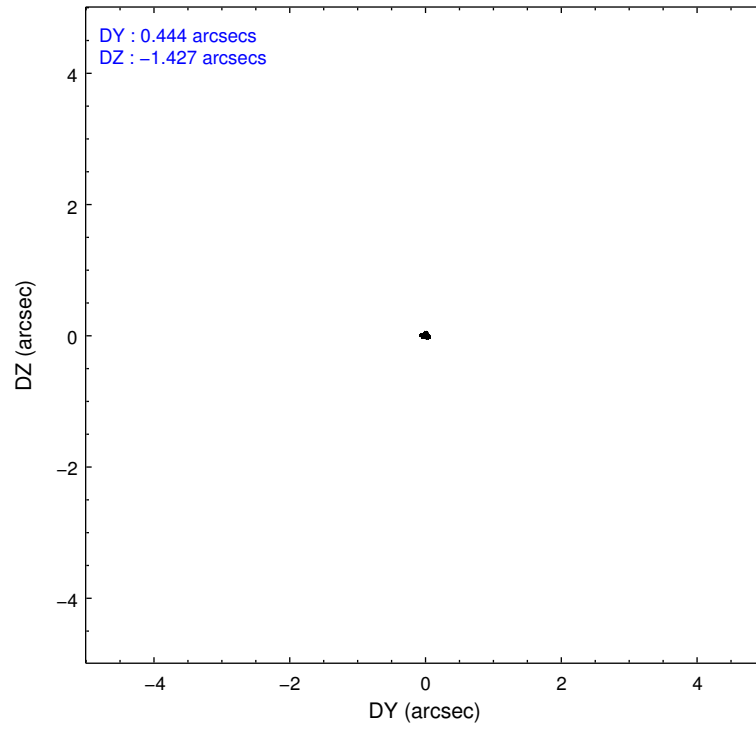
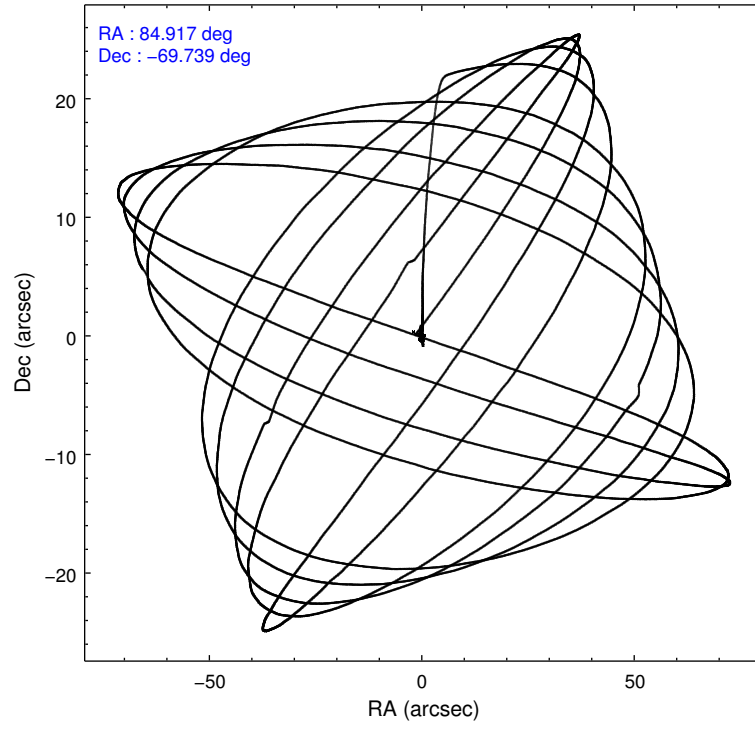
Level 1 Events

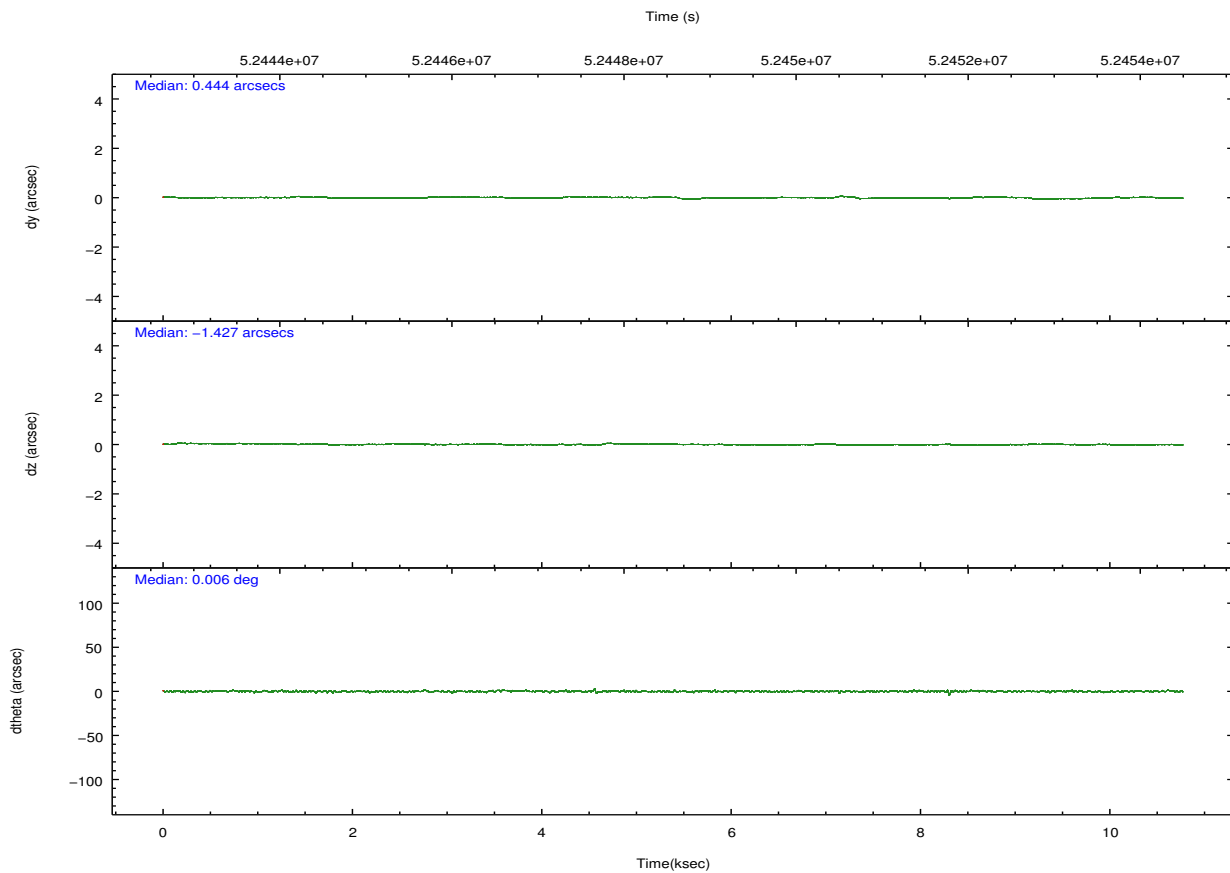
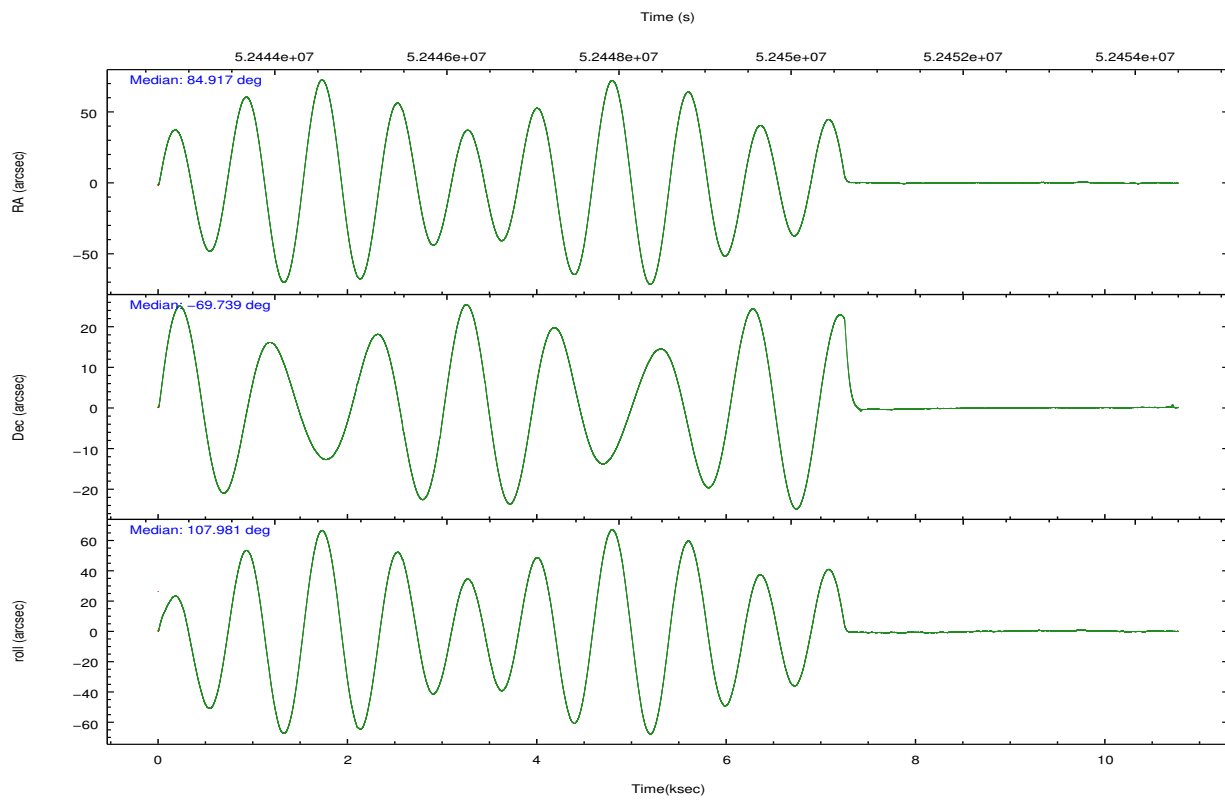
	segment 0
level 1 events	885211
rejected events	6770
rejected %	0%

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	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	84.974973	84.91645769209018			
Pointing Dec	-69.757107	-69.73871887747063			
Pointing Roll	108.139814	107.989420612218			
SIM focus pos (mm)	-0.024443	0.255451383487682			
SIM defocus (mm)	1.01585	1.295744004146556			
SIM translation stage pos (mm)	126.985494	126.9829799899862			
SIM translation stage offset (mm)	0	0.002508901615314585			
Observation start time	52443664.184000	52442980.709158			
Observation start date	1999-08-30T23:40:00	1999-08-30T23:29:40			
Observation end time	52488964.184000	52453956.922053			
Observation end date	1999-08-31T12:15:00	1999-08-31T02:32:36			

2.3 Aspect



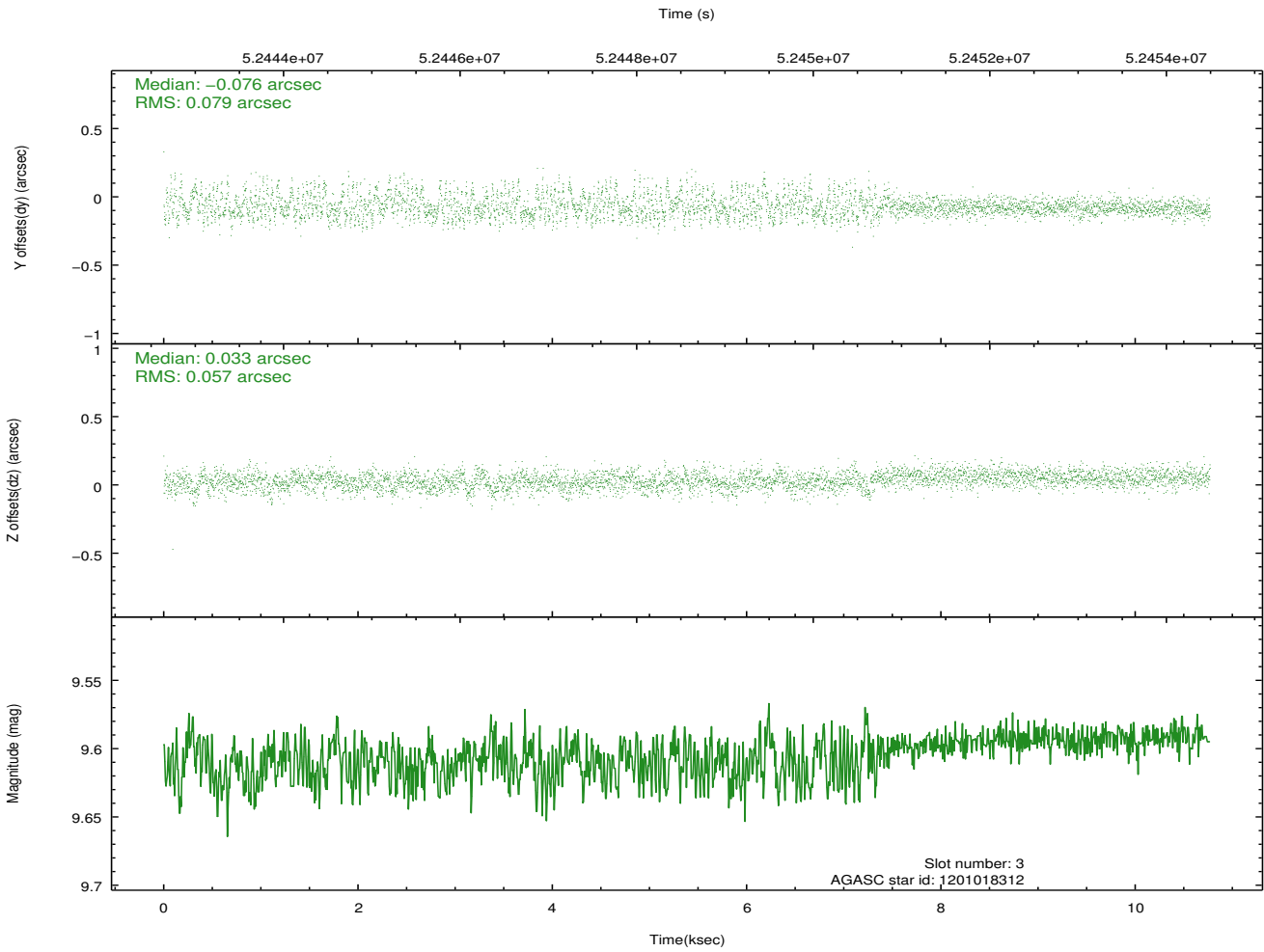
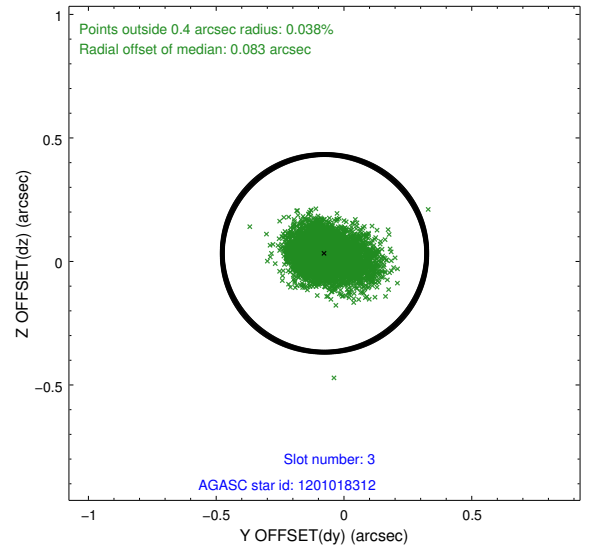
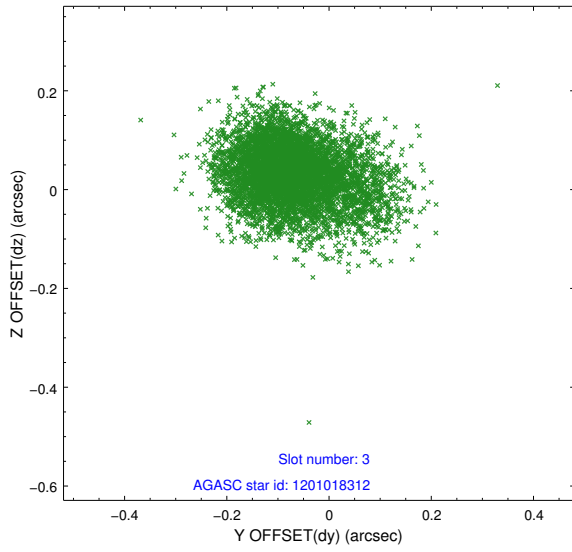


Slot Statistics

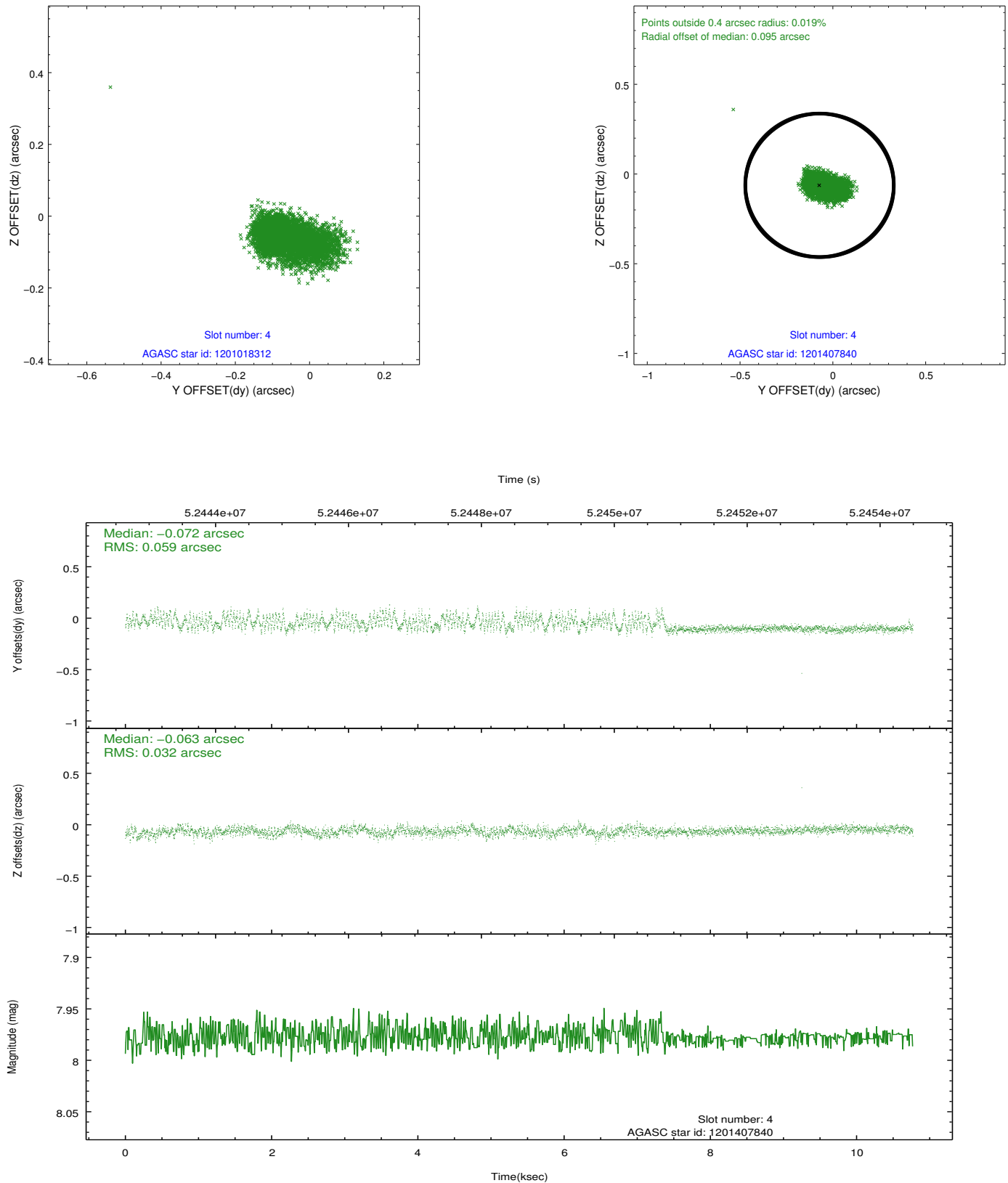
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	5255	0.058	-0.009	0.004	0.007	0.000000	0.000000	-755.83	-1286.40
1	BAD	HRC-I-3	7.05	3937	0.123	0.005	0.011	0.019	0.000000	0.000000	-1184.62	1018.12
2	FID	HRC-I-4	6.99	5255	0.016	-0.053	0.004	0.007	0.000000	0.000000	1286.84	1016.31
3	GUIDE	1201018312	9.60	5252	-0.076	0.033	0.100	0.177	86.298231	-69.115627	1648.81	-2325.74
4	GUIDE	1201407840	7.98	5253	-0.072	-0.063	0.066	0.125	83.696303	-70.172201	-949.56	1954.37
5	GUIDE	1201411368	10.07	5093	0.125	-0.101	0.164	0.315	83.629696	-70.495613	-2040.13	2370.45
6	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
7	GUIDE	1201540776	9.61	5250	0.034	0.125	0.086	0.145	85.107945	-69.858480	-398.60	-41.46

2.4 Star Slots

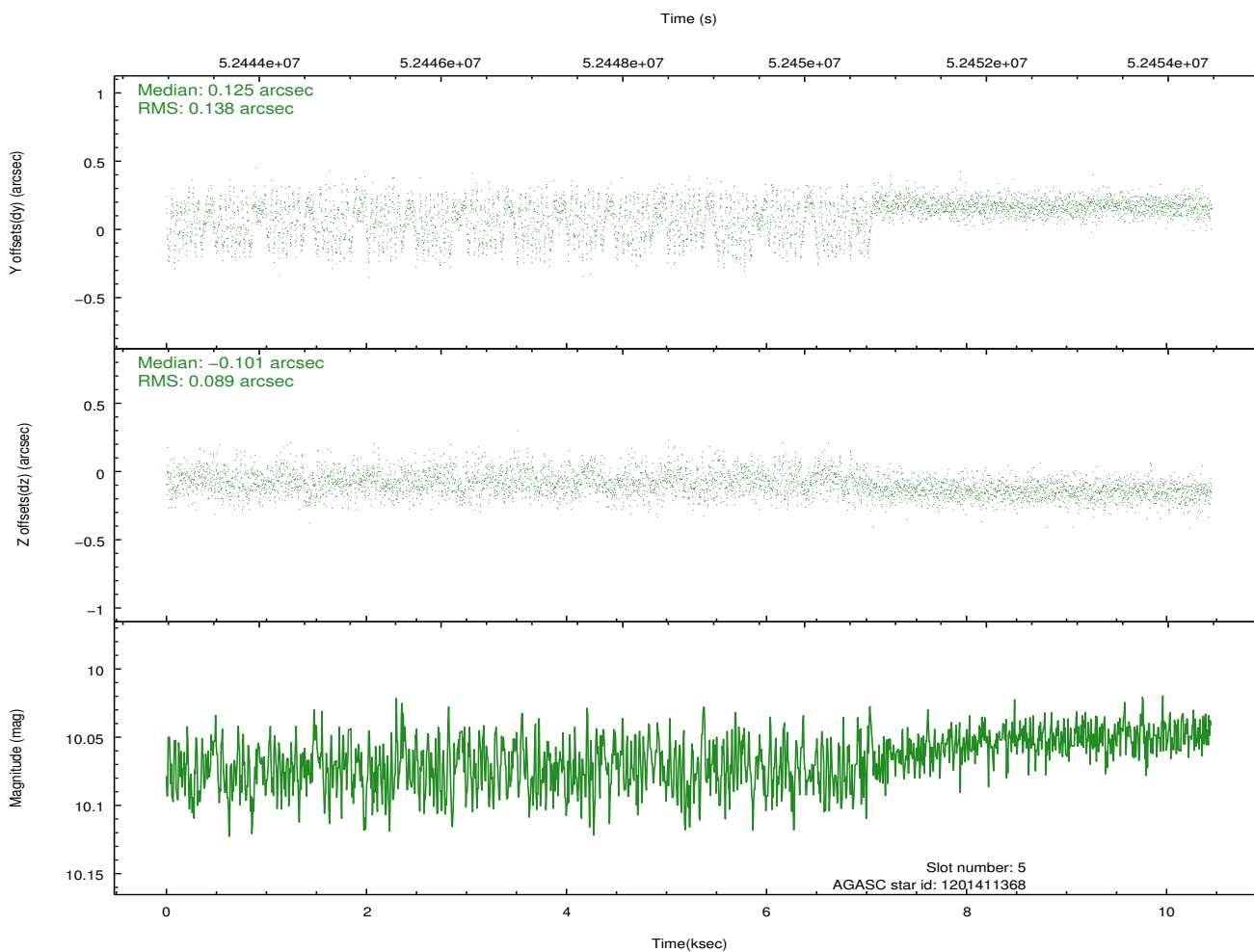
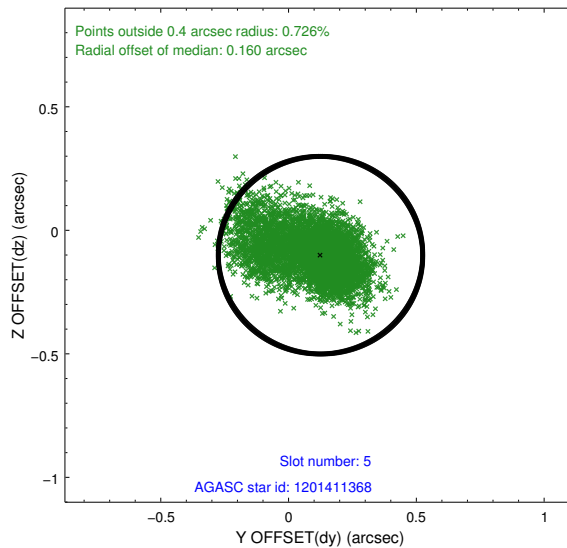
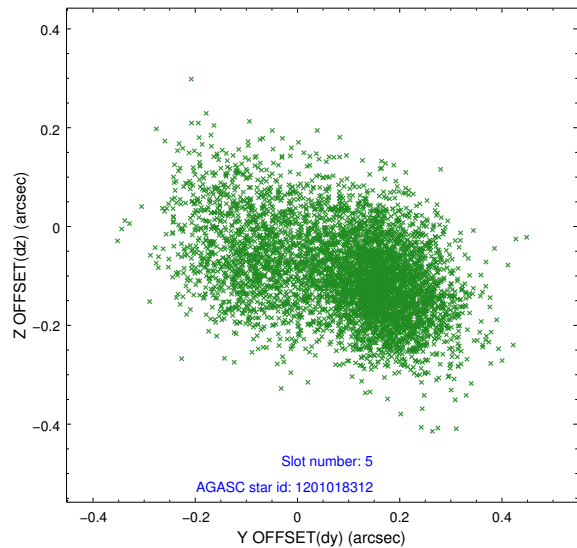
2.4.1 Slot 3



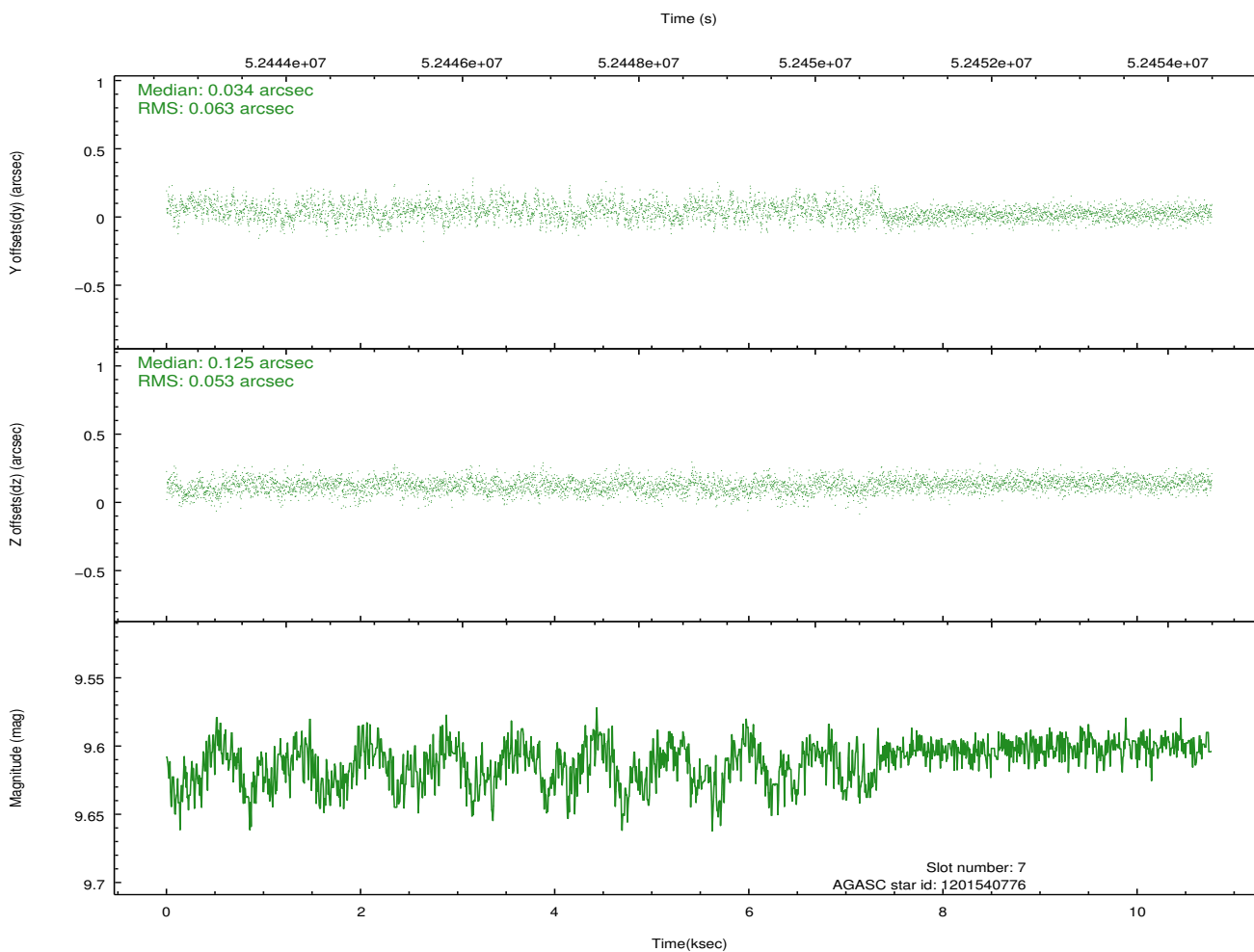
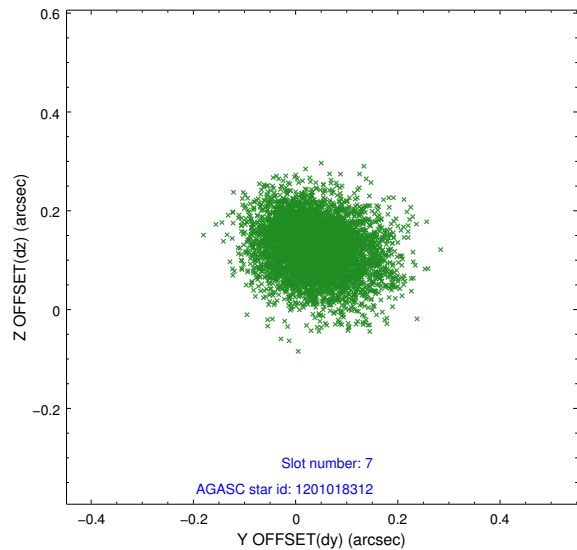
2.4.2 Slot 4



2.4.3 Slot 5

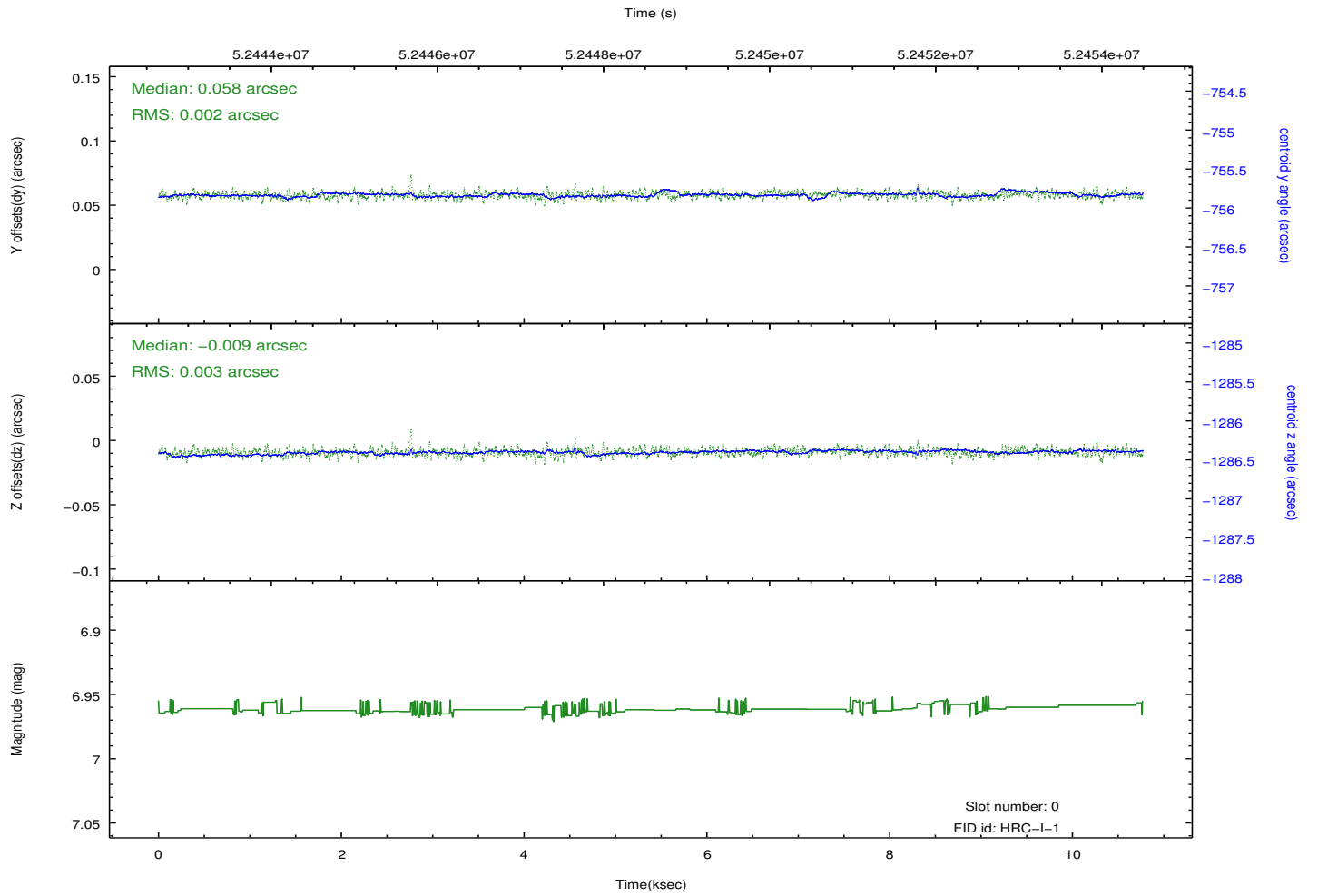
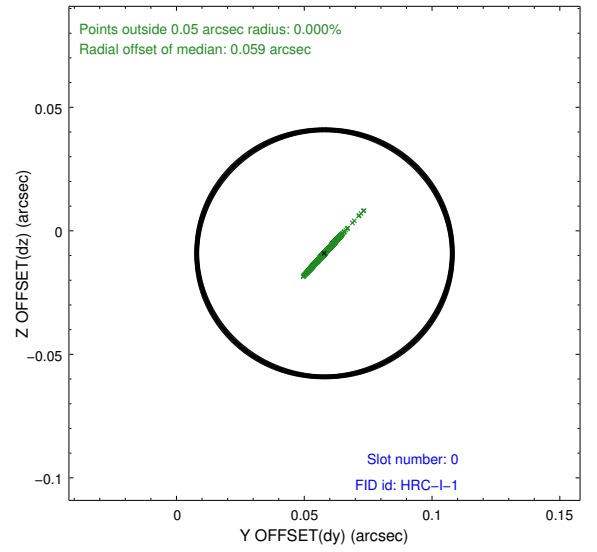
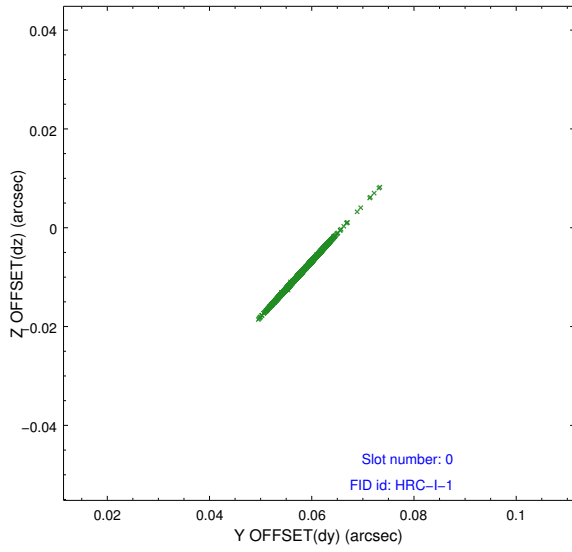


2.4.4 Slot 7

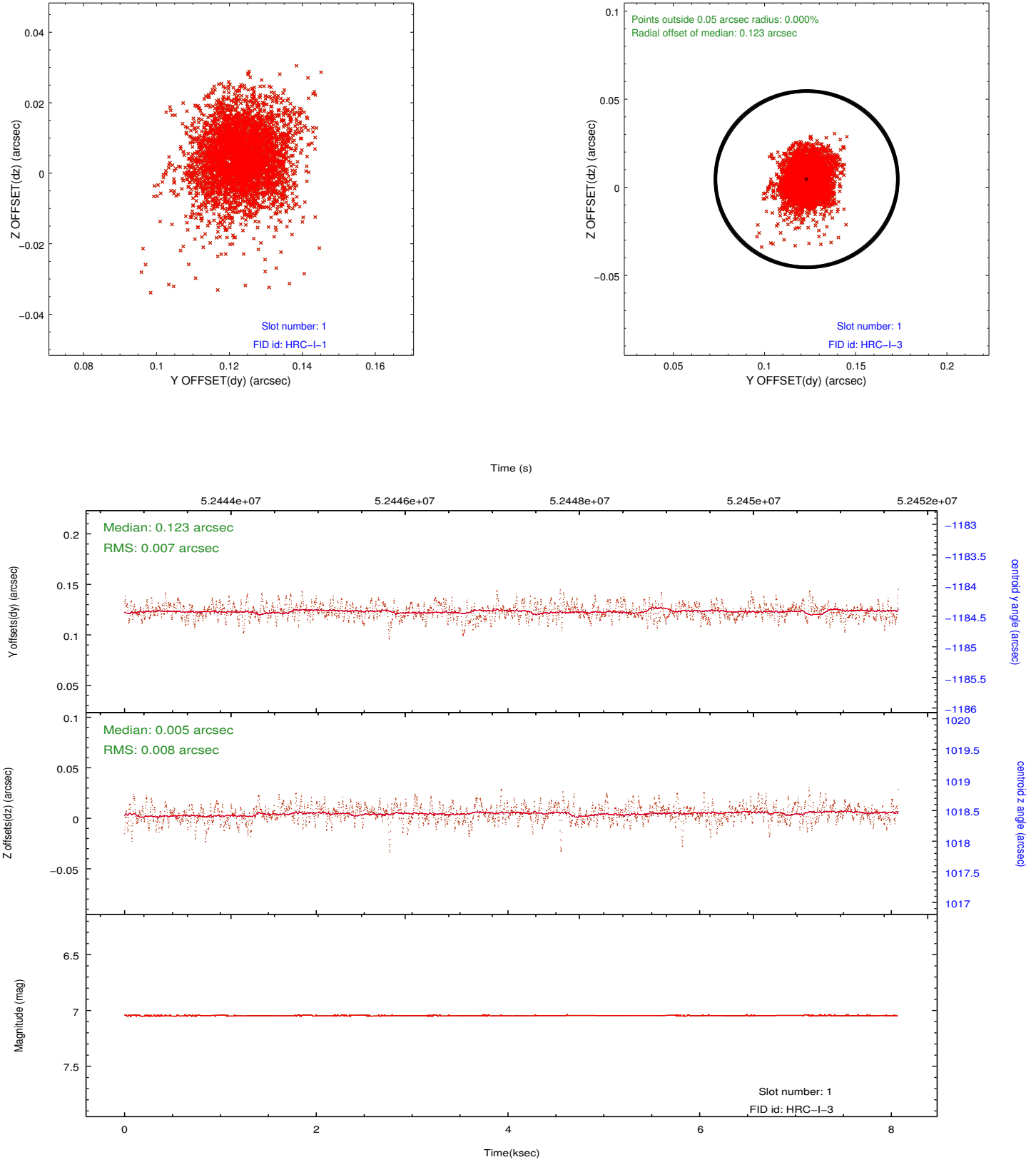


2.5 FID Slots

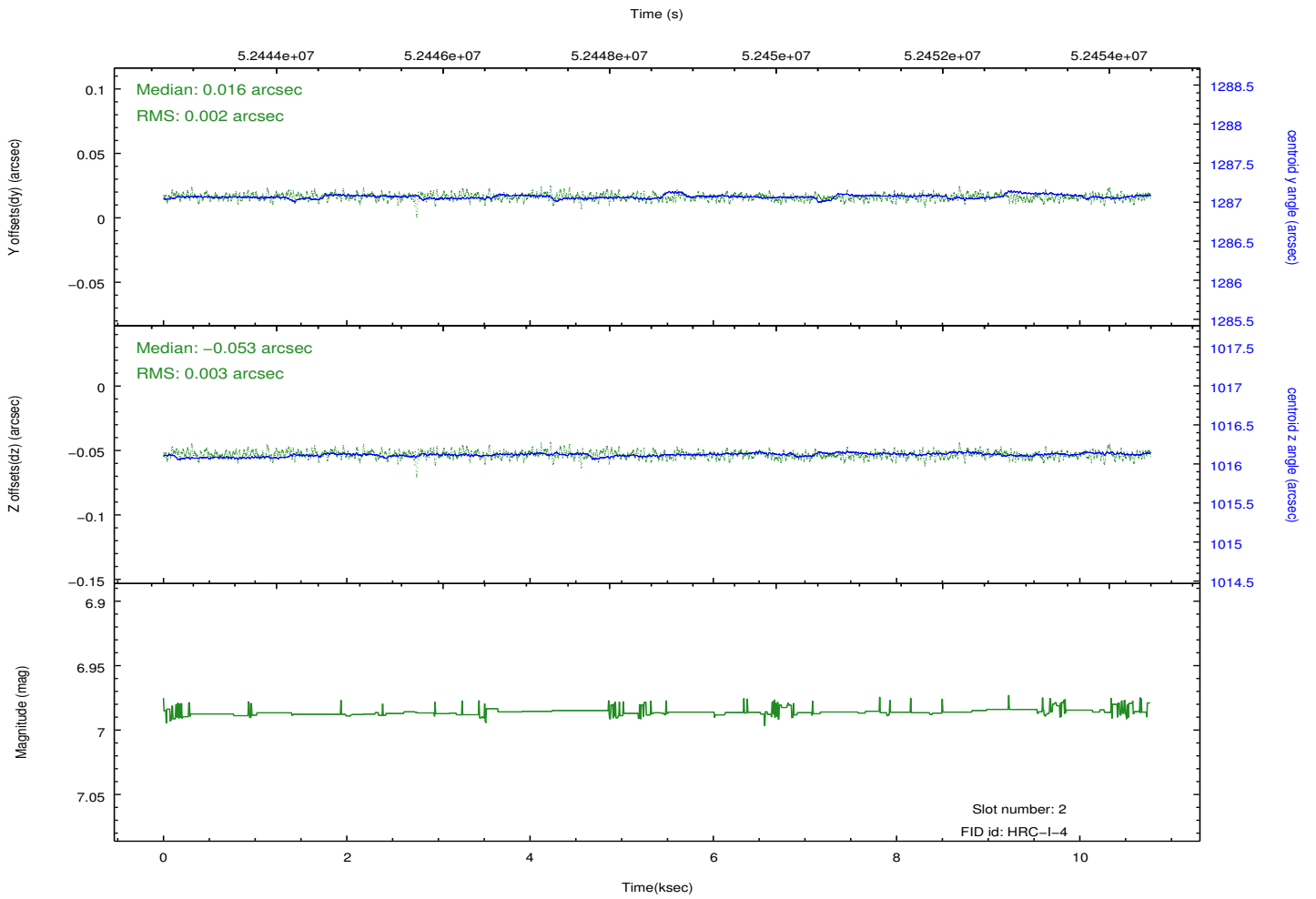
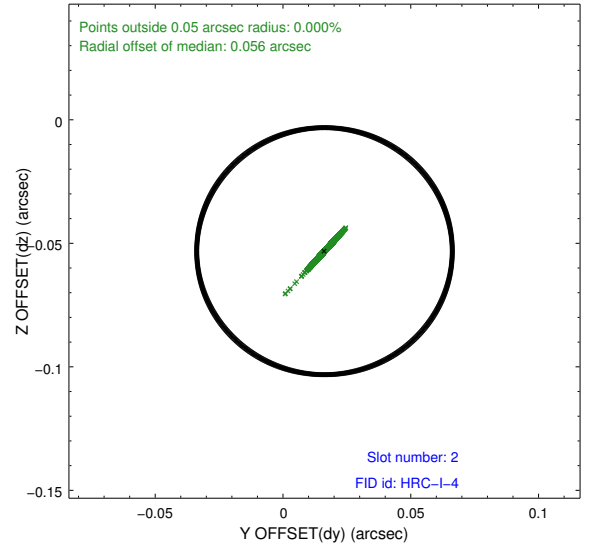
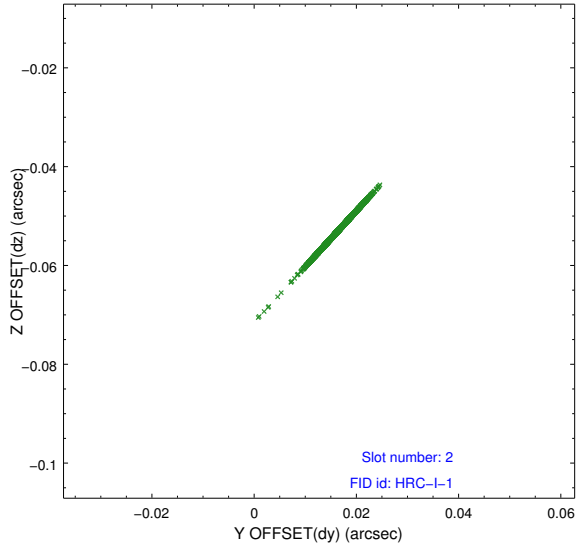
2.5.1 Slot 0



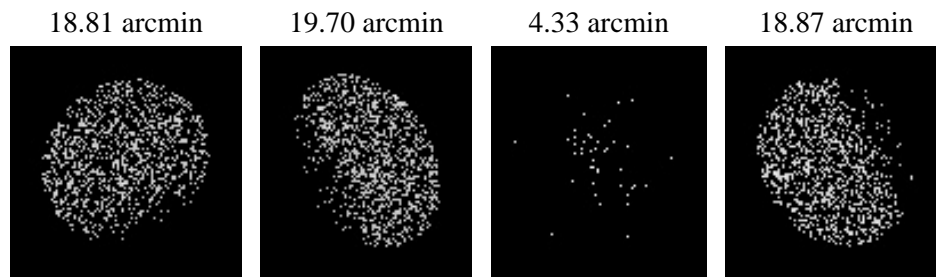
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2010.01.20
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	10.053

A.2 Comments

HRC-I shutter focus tests.=====

The fid light in slot 1 was lost behind the shutter and was not used in the aspect solution. The aspect solution is not expected to be degraded by removing one fid light or guide star from the solution.

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Guide star in slot 6 was not utilized in this observation.

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Dither was disabled partway through this observation.