

V&V Reference Report

L2 ASCDS Version : 8.2.1

Observation 1218 - L2 Version 5

Chandra X-Ray Center

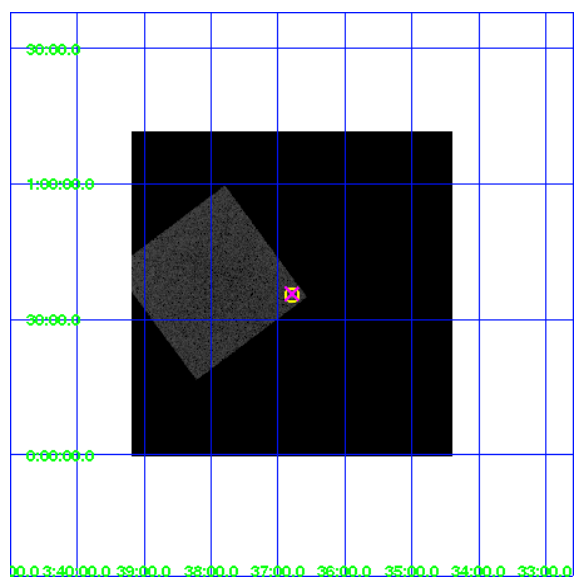
L2 Processing Date : Jan 12 2010

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1 Front

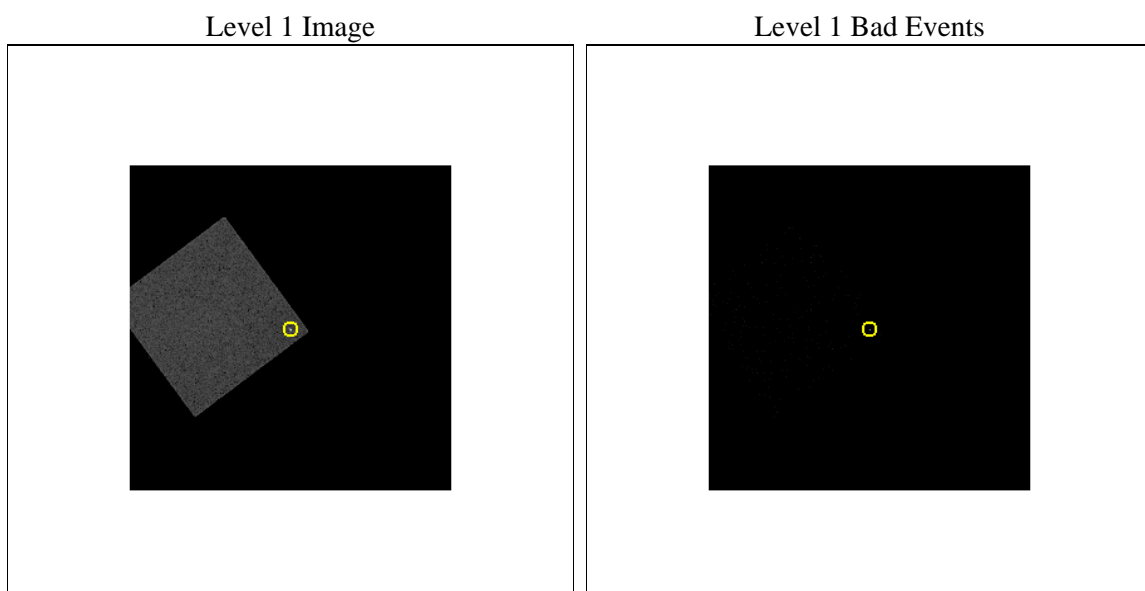
seq_num	280168	Sequence number
obs_id	1218	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HR1099	Source name
ra_targ	54.197083	Observer's specified target RA
dec_targ	0.589972	Observer's specified target Dec
ra_nom	54.198404647825	Nominal RA
dec_nom	0.59459072265301	Nominal Dec
roll_nom	98.391859539053	Nominal Roll
revision	5	Processing version of data
ontime	1673.0563100874	[s]
livetime	1660.3475434391	Ontime multiplied by DTCOR
l2events	56136	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	8.2.1	Processing system revision	ontime	1673.0563100874	[s]
caldbver	4.1.5	 	l1events	95668	Number of level 1 events
date	2010-01-12T20:06:56	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

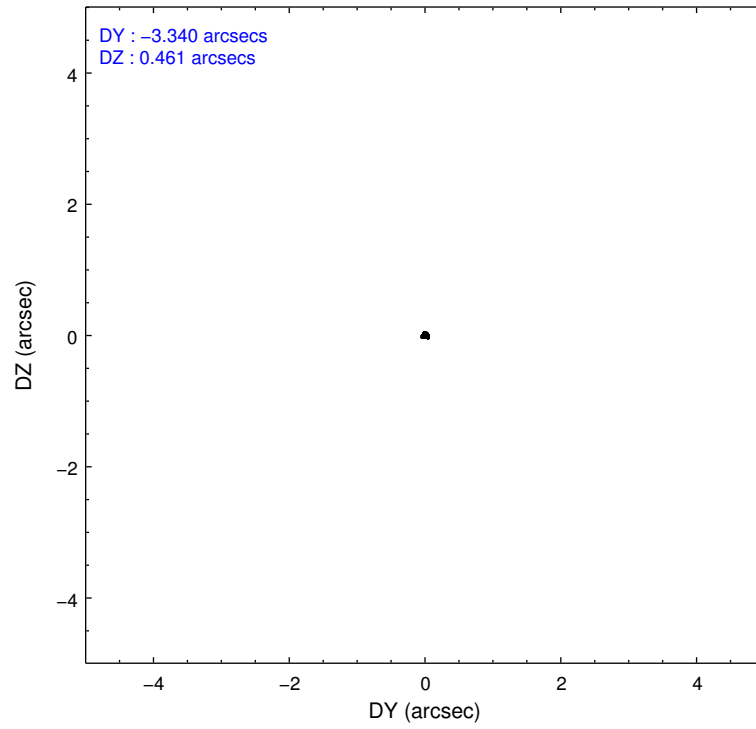
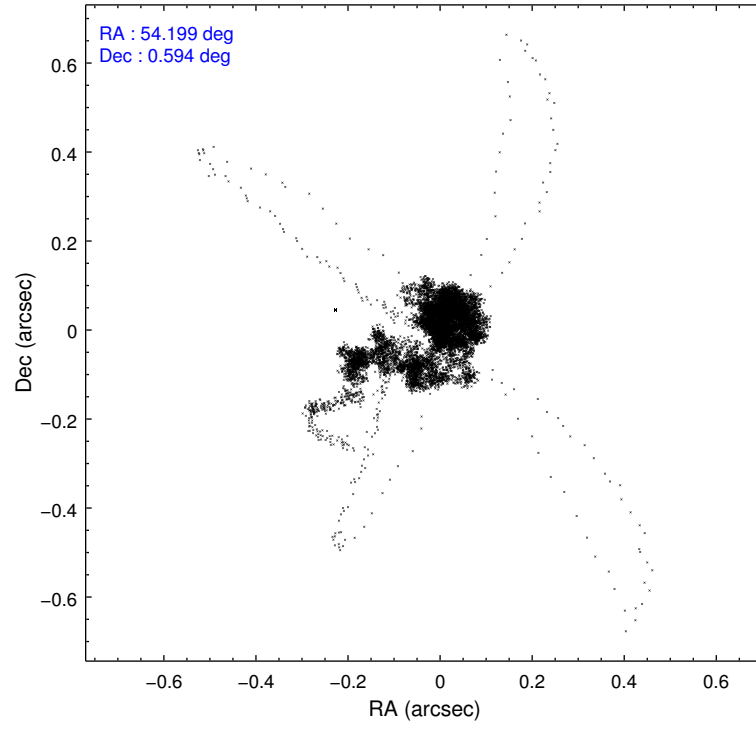
	segment 0
level 1 events	95668
rejected events	2728
rejected %	2%

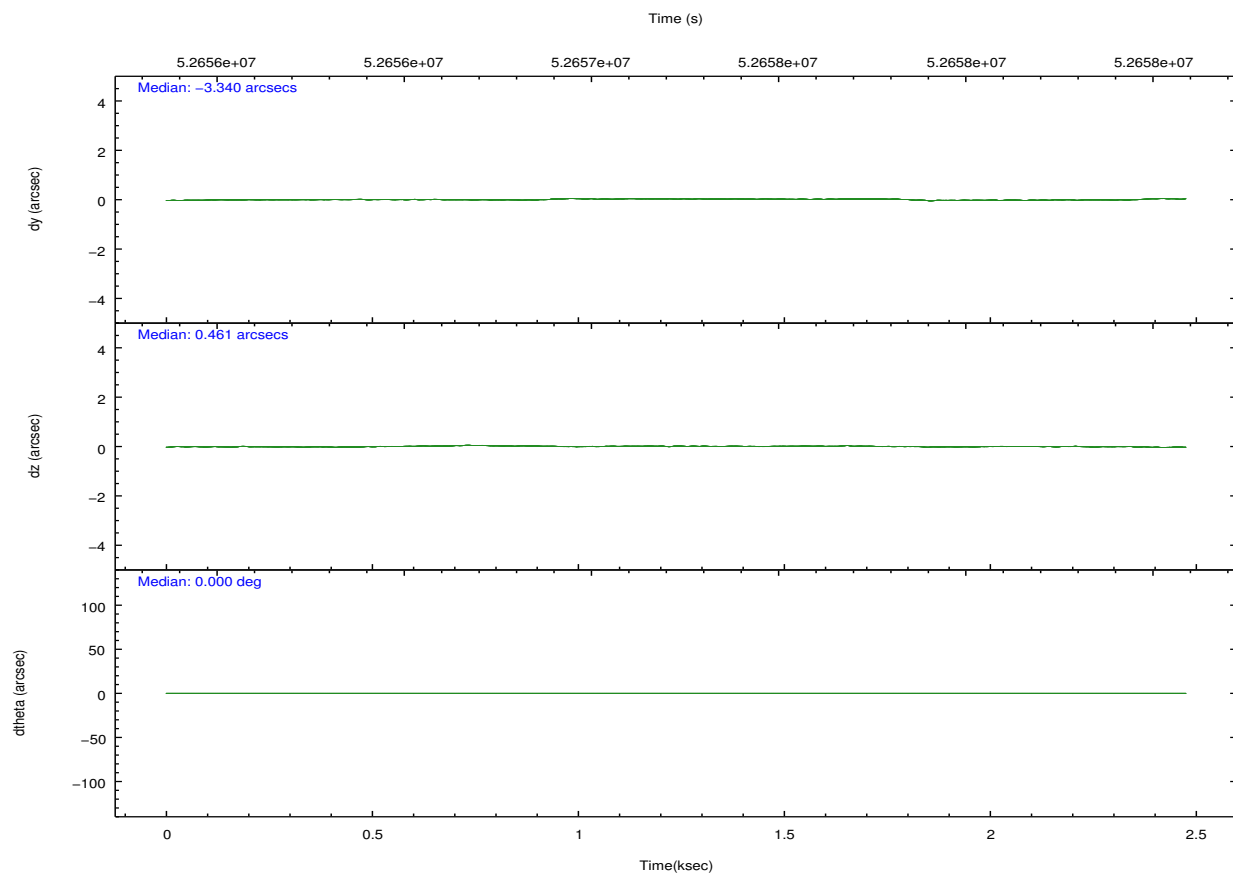
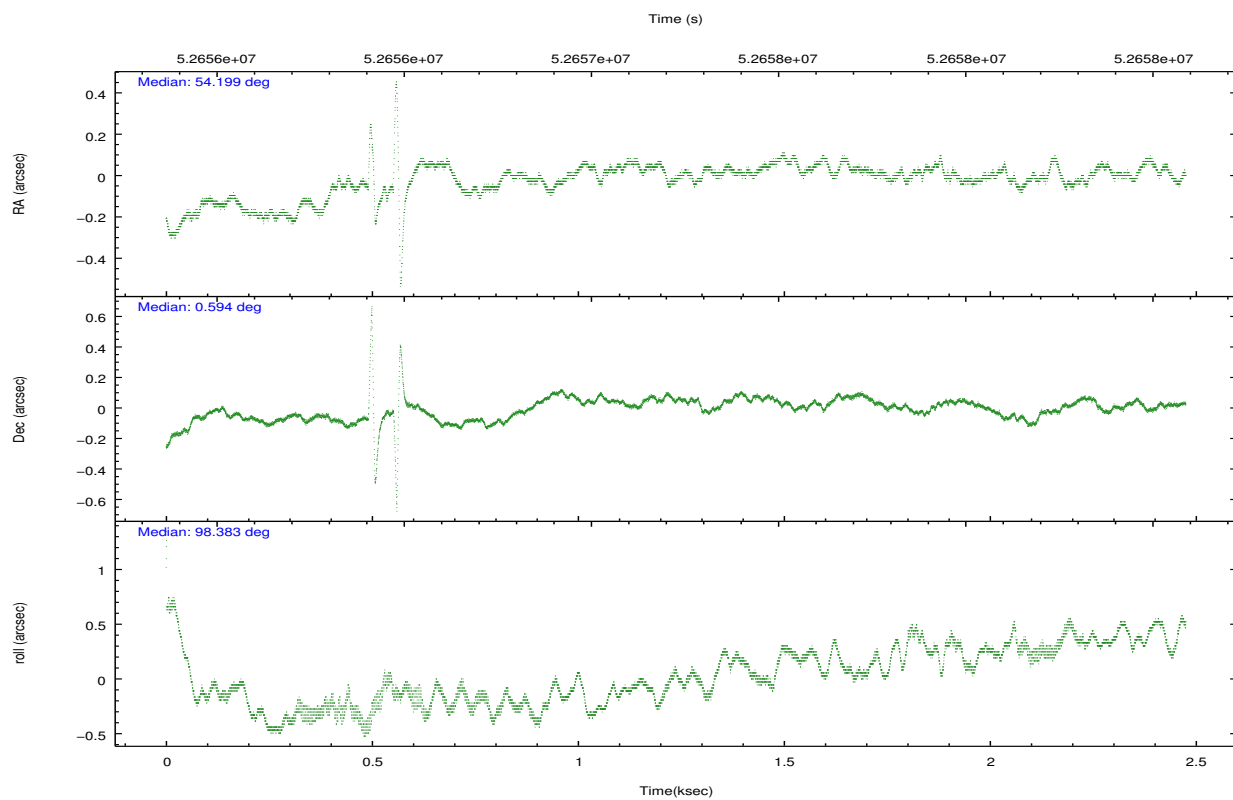
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	54.215433	54.19840464782492
Pointing Dec	0.573163	0.5945907226530078
Pointing Roll	98.487166	98.39185953905334
SIM focus pos (mm)	-1.040293	-1.016036269358593
SIM defocus (mm)	0	0.02425635130028114
SIM translation stage pos (mm)	180.992987	180.9904726674951
SIM translation stage offset (mm)	-54.007493	-54.00498377589349
Observation start time	52656464.184000	52655797.366803
Observation start date	1999-09-02T10:46:40	1999-09-02T10:36:37
Observation end time	52658464.184000	52658635.591905
Observation end date	1999-09-02T11:20:00	1999-09-02T11:23:55

Parameter	Planned	Actual
Obspar format version number	6	6
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



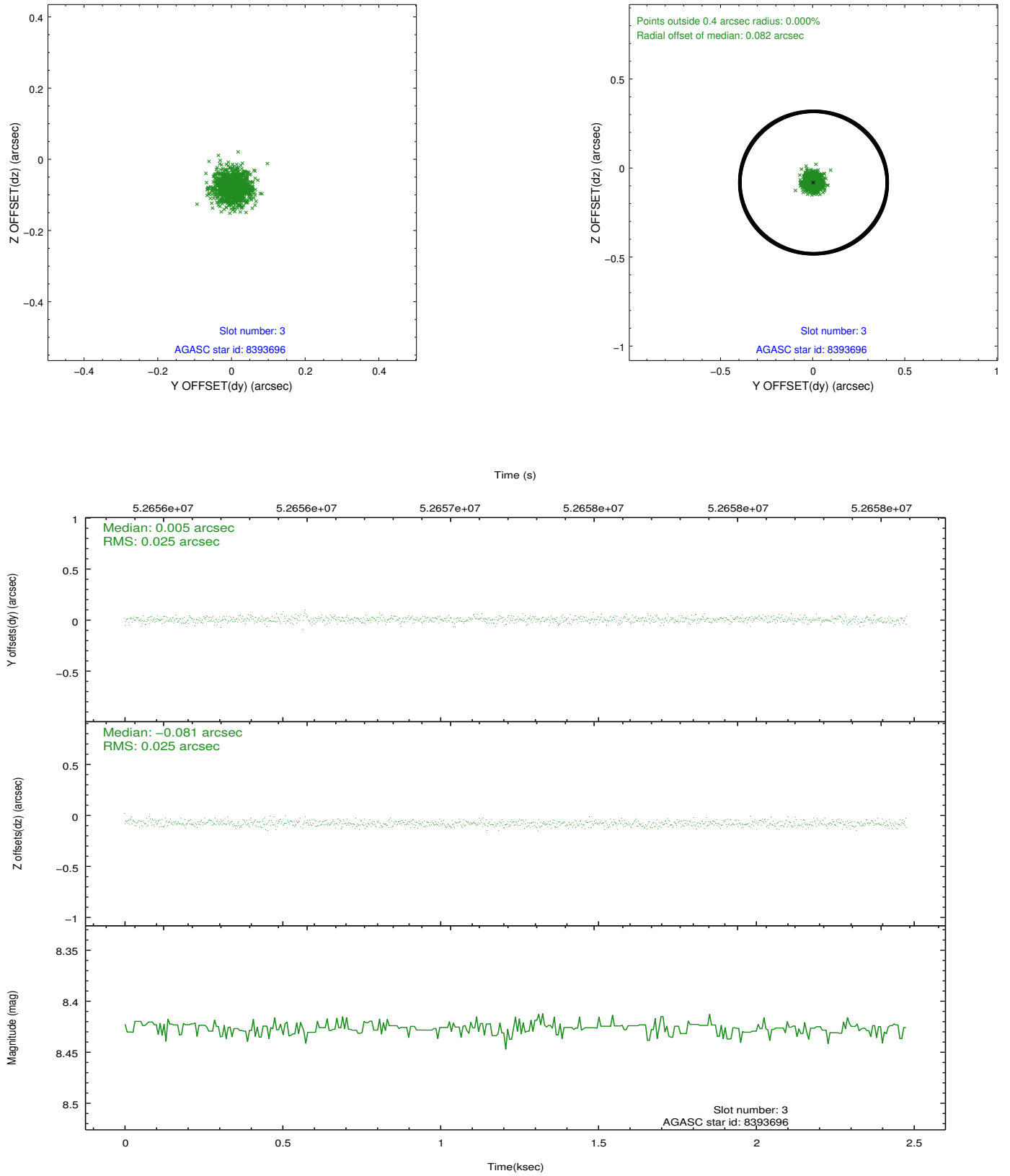


Slot Statistics

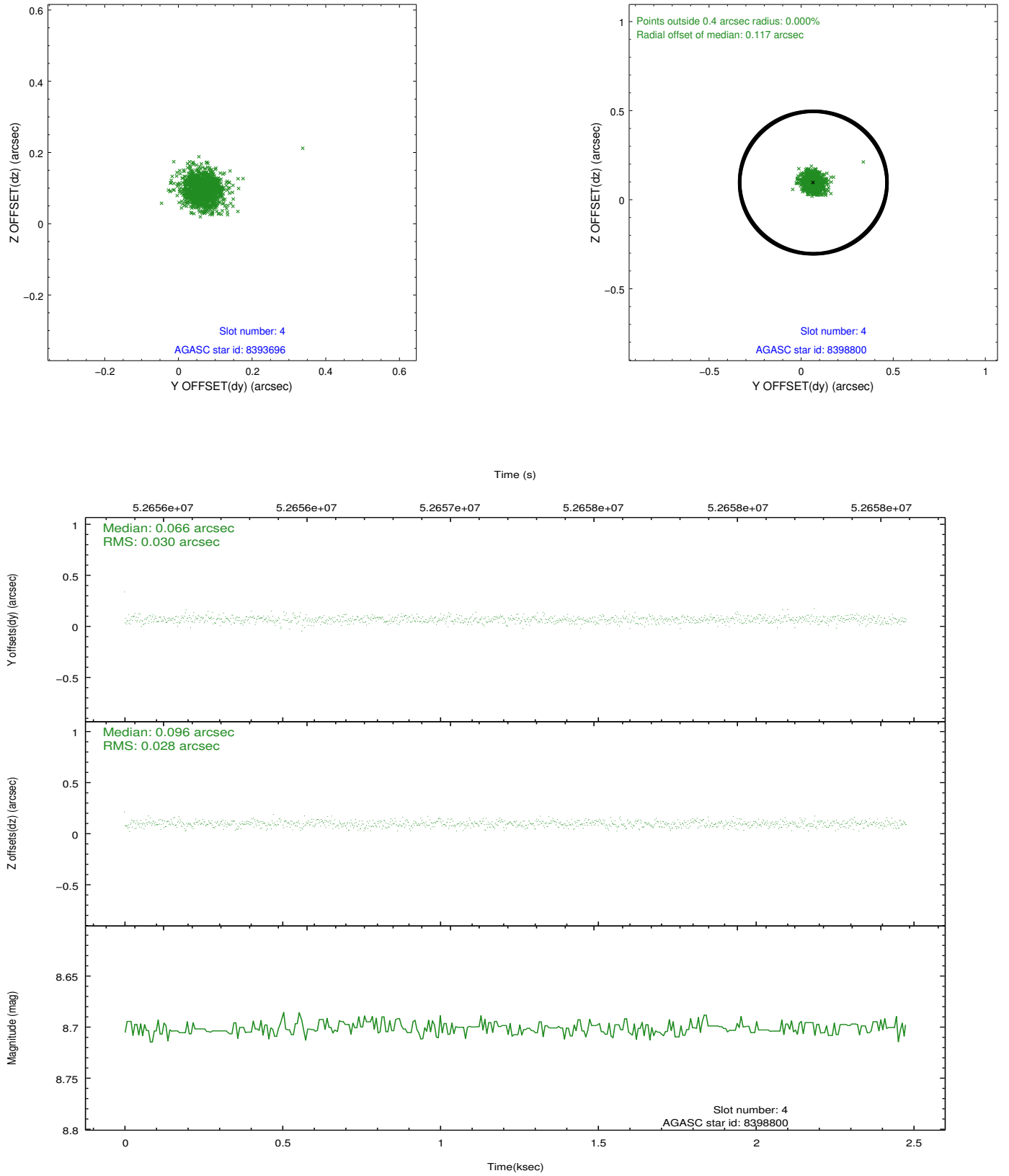
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.87	1209	0.036	-0.041	0.000	0.000	0.000000	0.000000	-751.58	-2397.58
1	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
2	UNUSED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	8393696	8.43	1206	0.005	-0.081	0.037	0.061	53.645666	0.680479	685.07	1971.78
4	GUIDE	8398800	8.70	1205	0.066	0.096	0.043	0.072	54.242352	0.922024	1228.95	-279.06
5	GUIDE	8390744	9.01	1207	-0.110	-0.172	0.048	0.078	53.677290	0.926294	1544.44	1728.31
6	GUIDE	8395104	8.66	1203	-0.014	0.167	0.039	0.068	54.744893	0.796520	516.12	-2001.78
7	GUIDE	8399352	9.96	1205	0.055	-0.009	0.080	0.141	53.946831	1.204693	2392.15	619.58

2.4 Star Slots

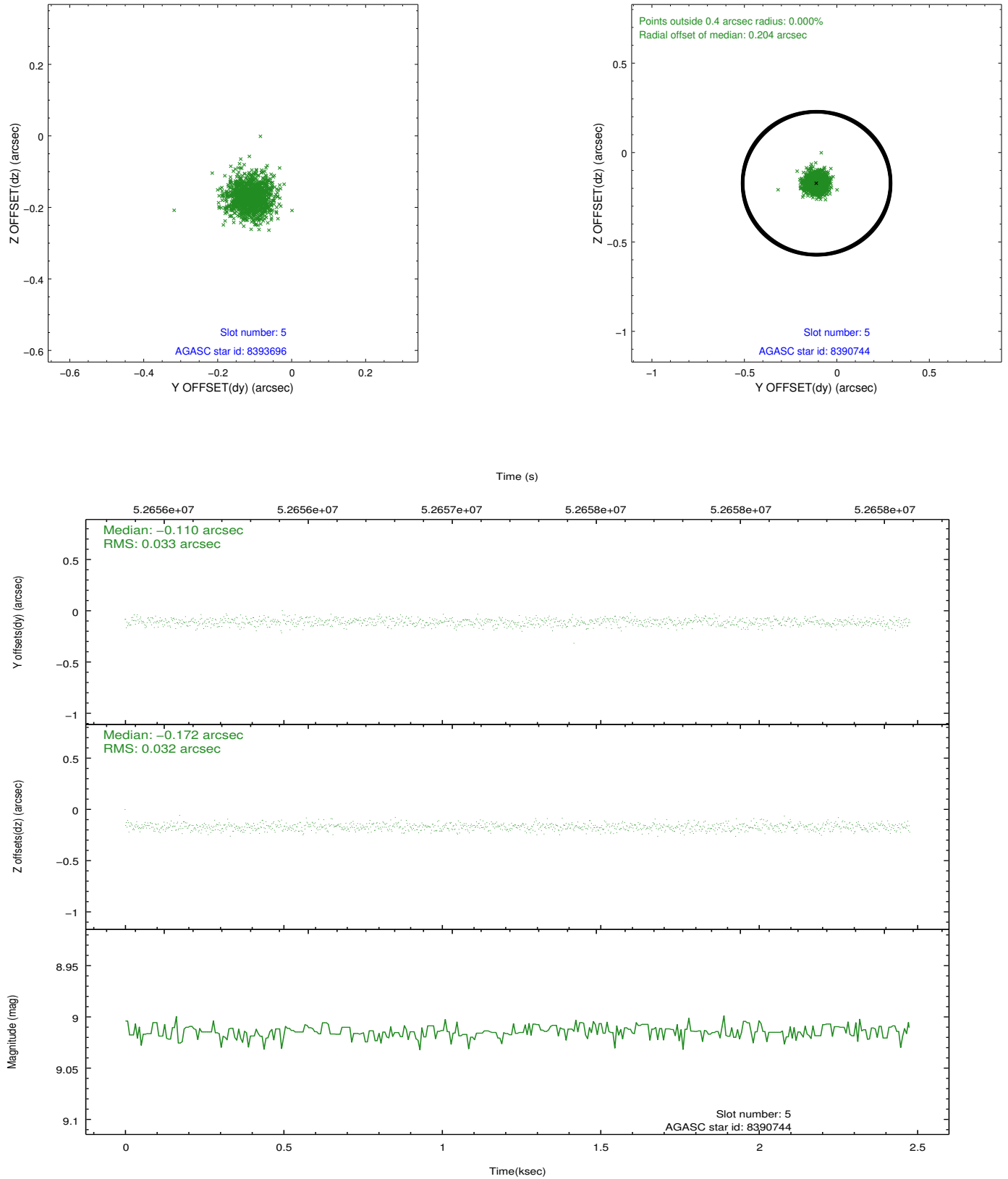
2.4.1 Slot 3



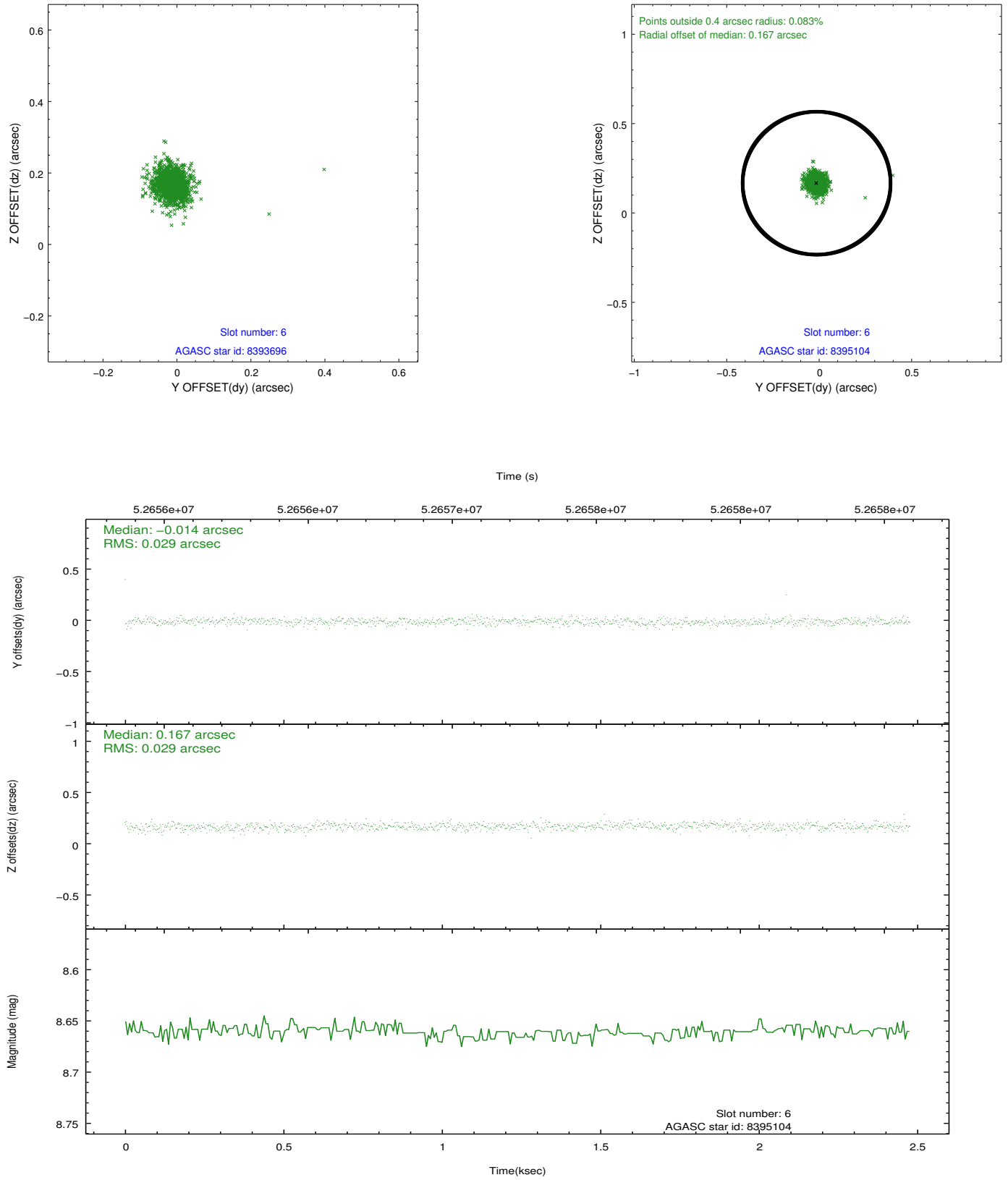
2.4.2 Slot 4



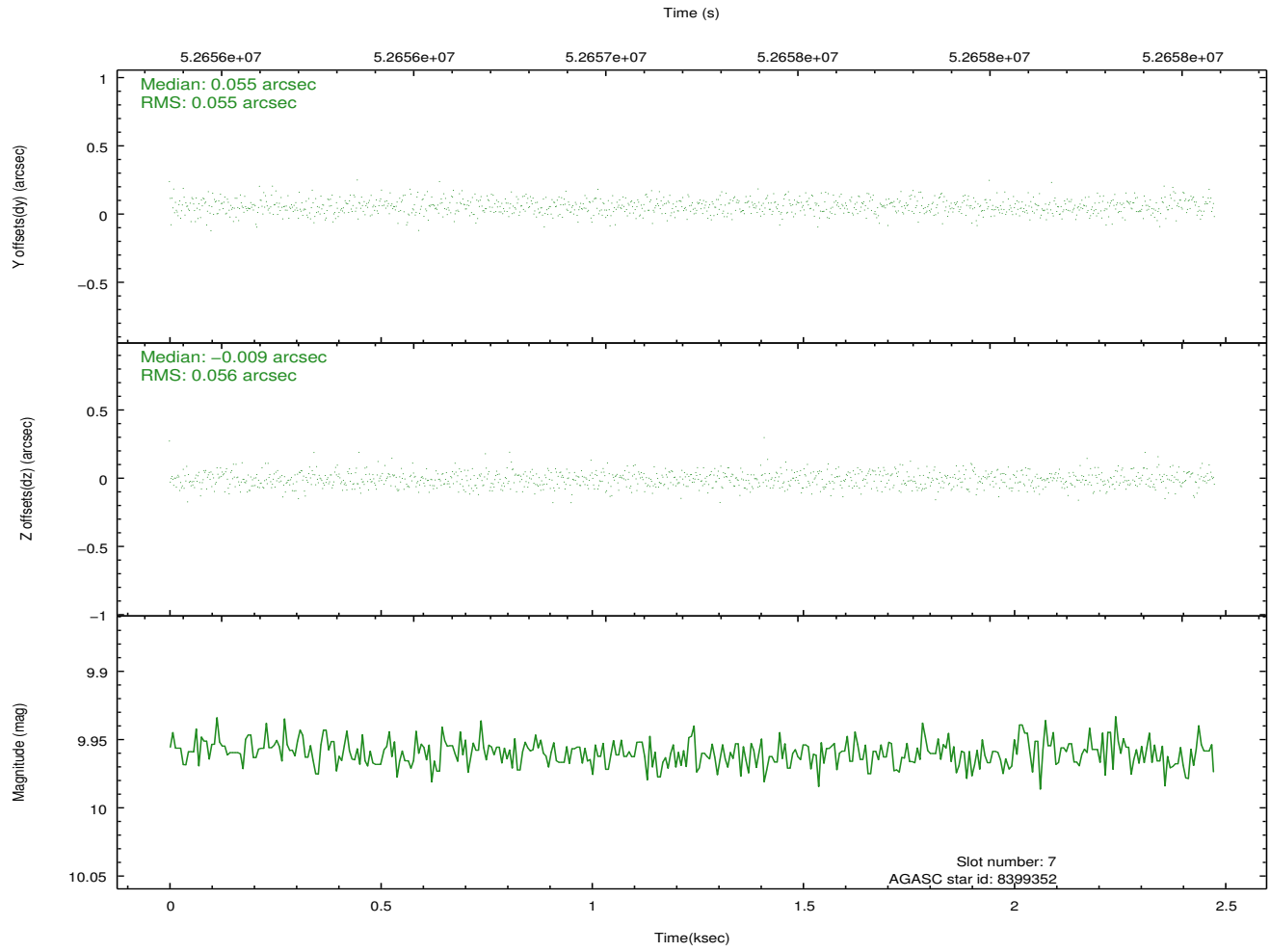
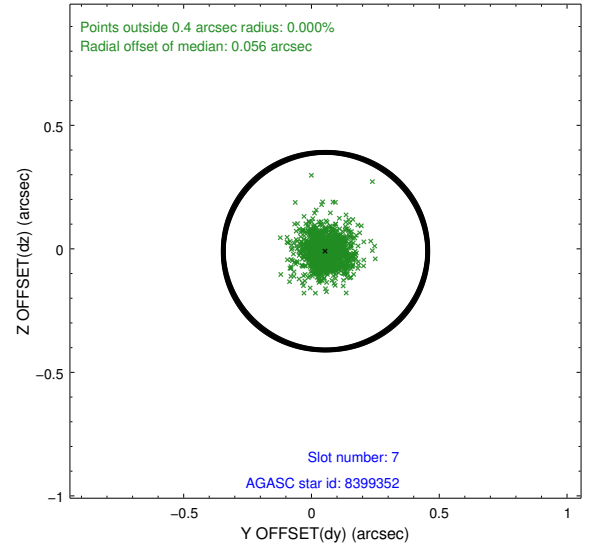
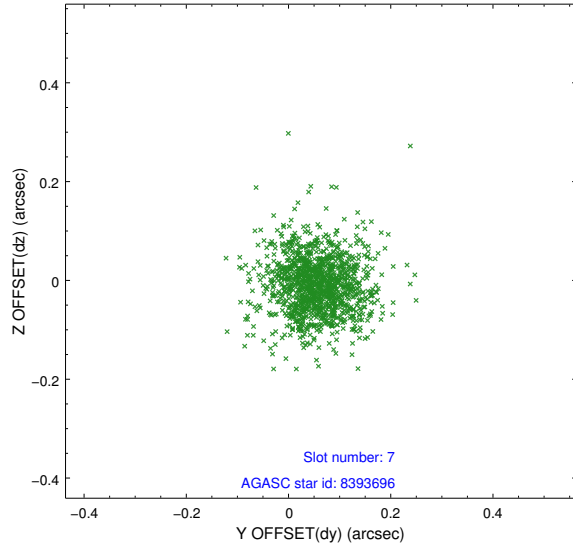
2.4.3 Slot 5



2.4.4 Slot 6

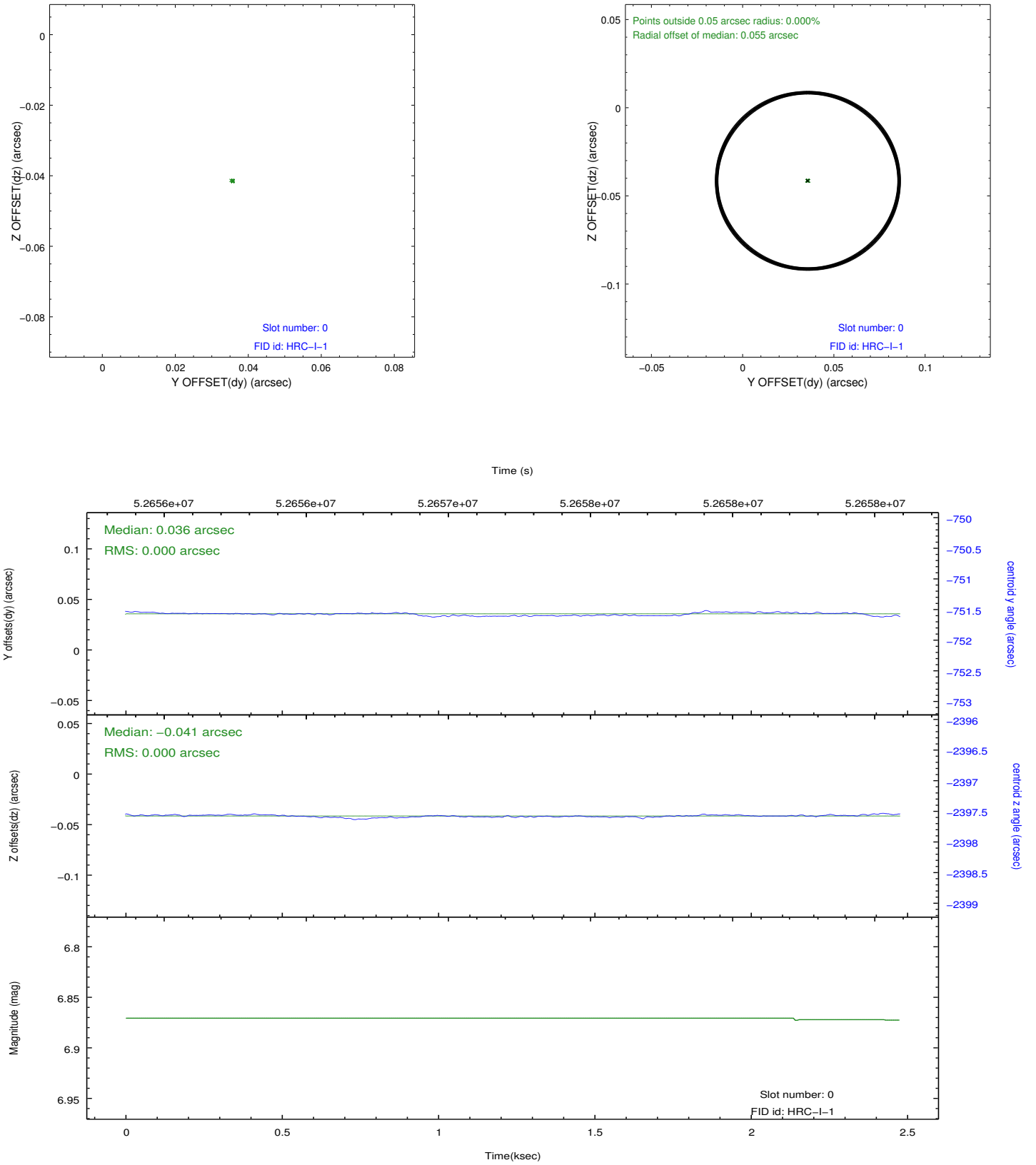


2.4.5 Slot 7



2.5 FID Slots

2.5.1 Slot 0



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	1.671

A.2 Comments

HRC shutter focus measurement at corner of HRC-I to measure SIM tilt.

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During this observation the HRC shutters were inadvertently left partially closed. =====

Fid lights in slots 1 and 2 were blocked by the HRC shutter. Only 1 fid light

was available for use. The pointing solution is degraded when only 1 fid light is available.

SIM theta offset has been set to zero.

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Charge time for this observation remains at previous value of 1.671 ksec,

although with the current processing the charge time would have been 1.673 ksec.

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