

V&V Reference Report

L2 ASCDS Version : 8.2.1

Observation 1216 - L2 Version 4

Chandra X-Ray Center

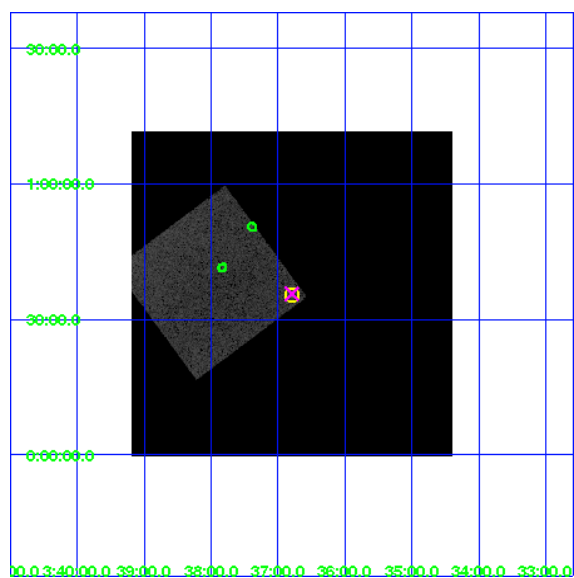
L2 Processing Date : Jan 12 2010

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1 Front

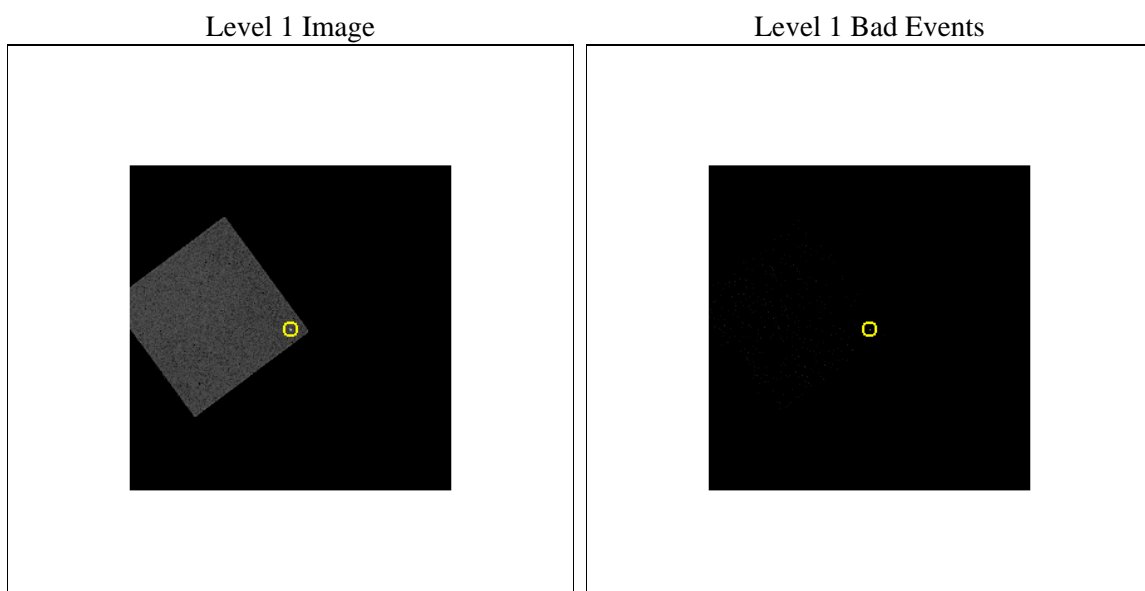
seq_num	280166	Sequence number
obs_id	1216	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HR1099	Source name
ra_targ	54.197083	Observer's specified target RA
dec_targ	0.589972	Observer's specified target Dec
ra_nom	54.198401778063	Nominal RA
dec_nom	0.59458752554576	Nominal Dec
roll_nom	98.41394855417	Nominal Roll
revision	4	Processing version of data
ontime	1673.0563100874	[s]
livetime	1659.8976858597	Ontime multiplied by DTCOR
l2events	60584	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	102490	Number of level 1 events
date	2010-01-12T20:14:24	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

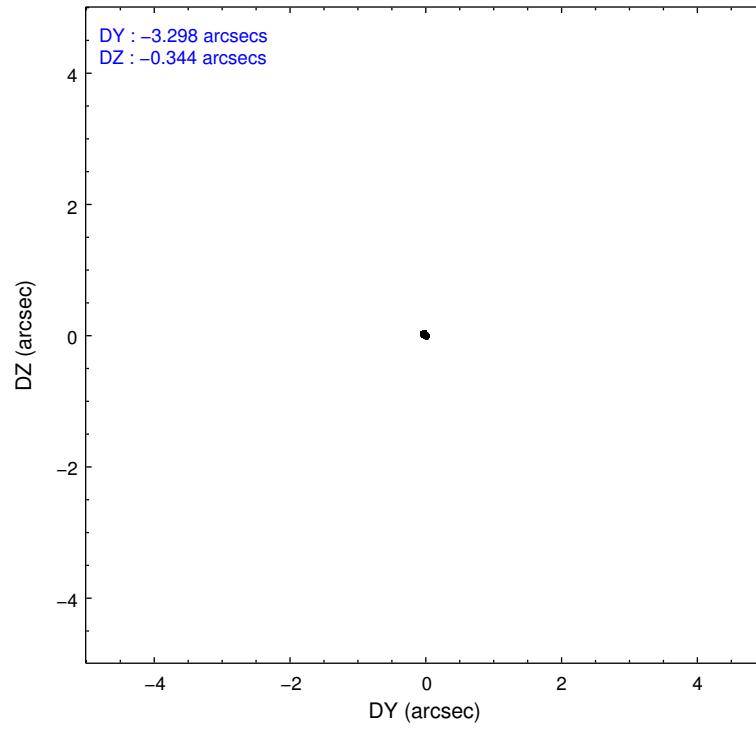
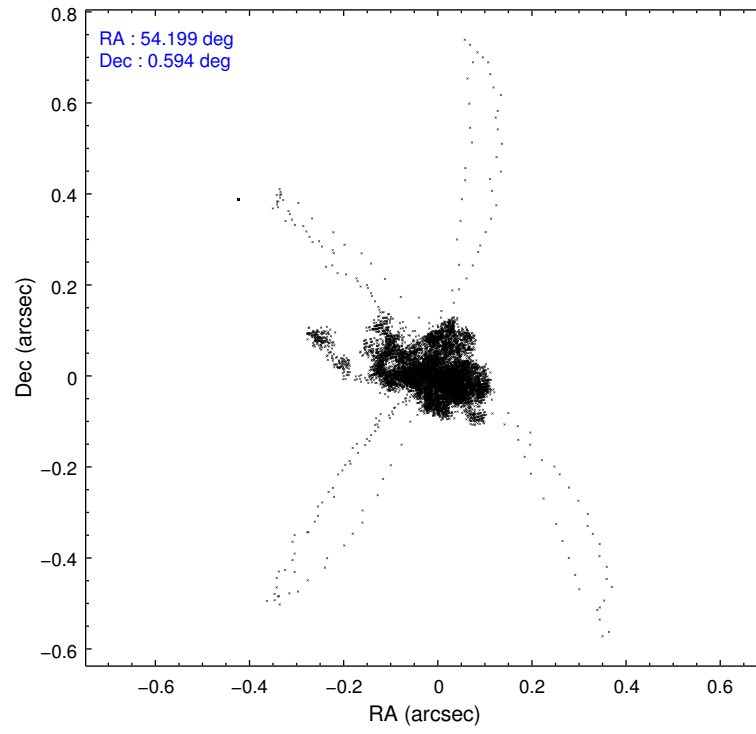
	segment 0
level 1 events	102490
rejected events	3445
rejected %	3%

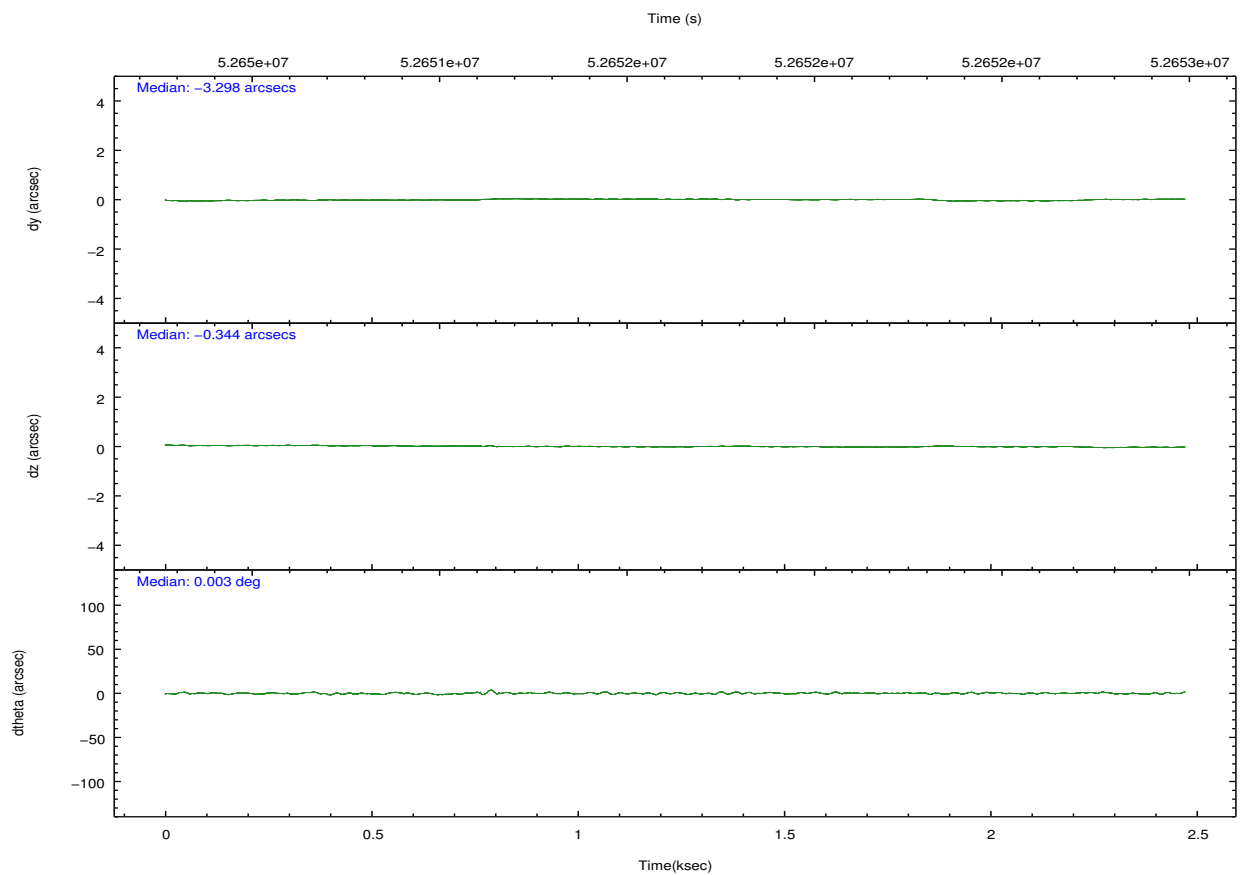
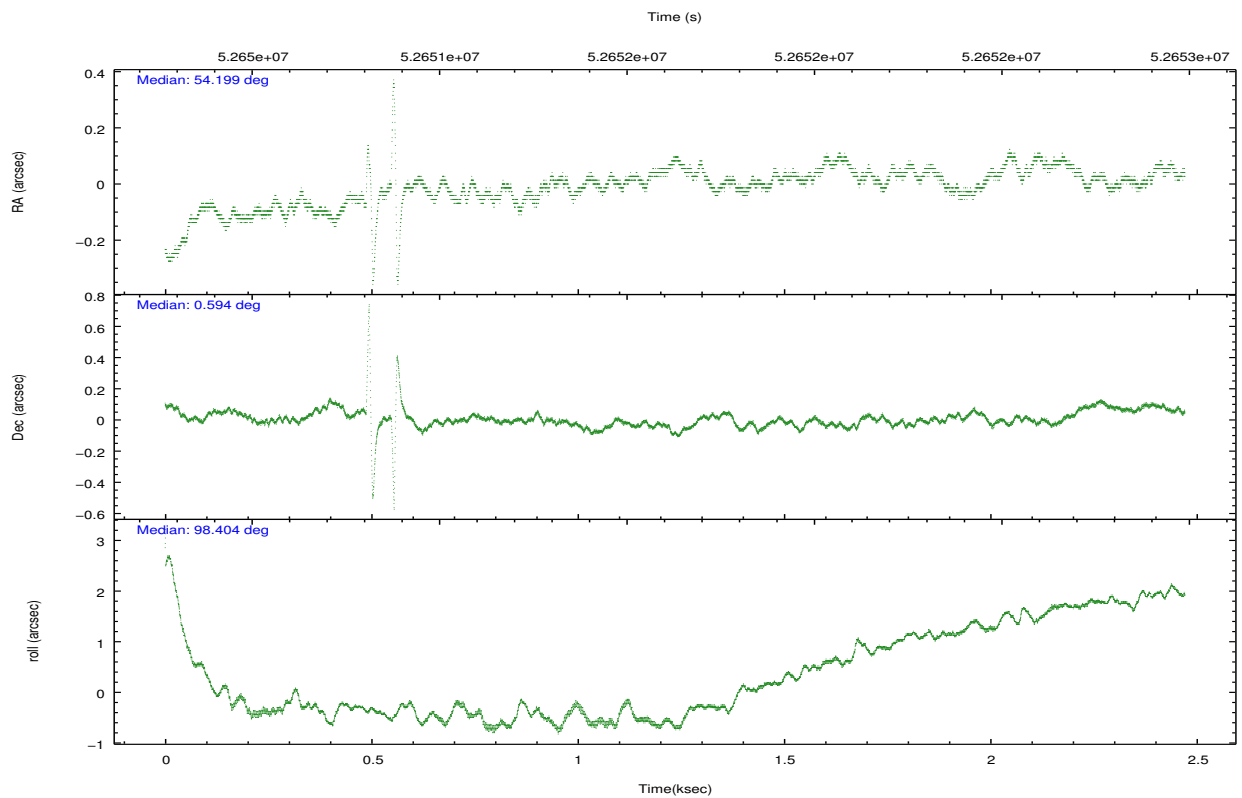
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	54.215443	54.19840177806294
Pointing Dec	0.573174	0.594587525545758
Pointing Roll	98.509263	98.41394855416978
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	52650864.184000	52650197.791602
Observation start date	1999-09-02T09:13:20	1999-09-02T09:03:17
Observation end time	52652864.184000	52652997.579203
Observation end date	1999-09-02T09:46:40	1999-09-02T09:49:57

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

2.3 Aspect



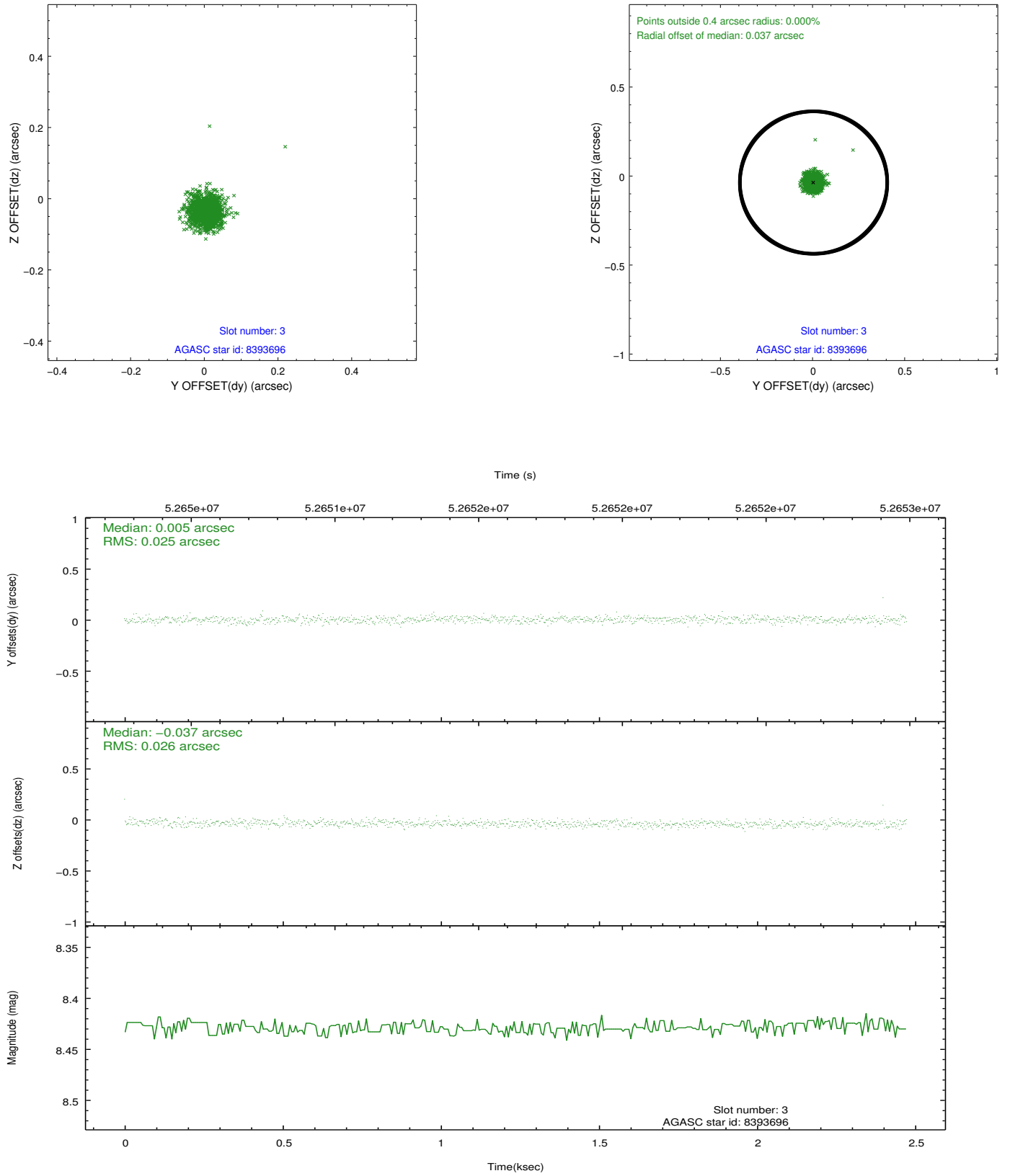


Slot Statistics

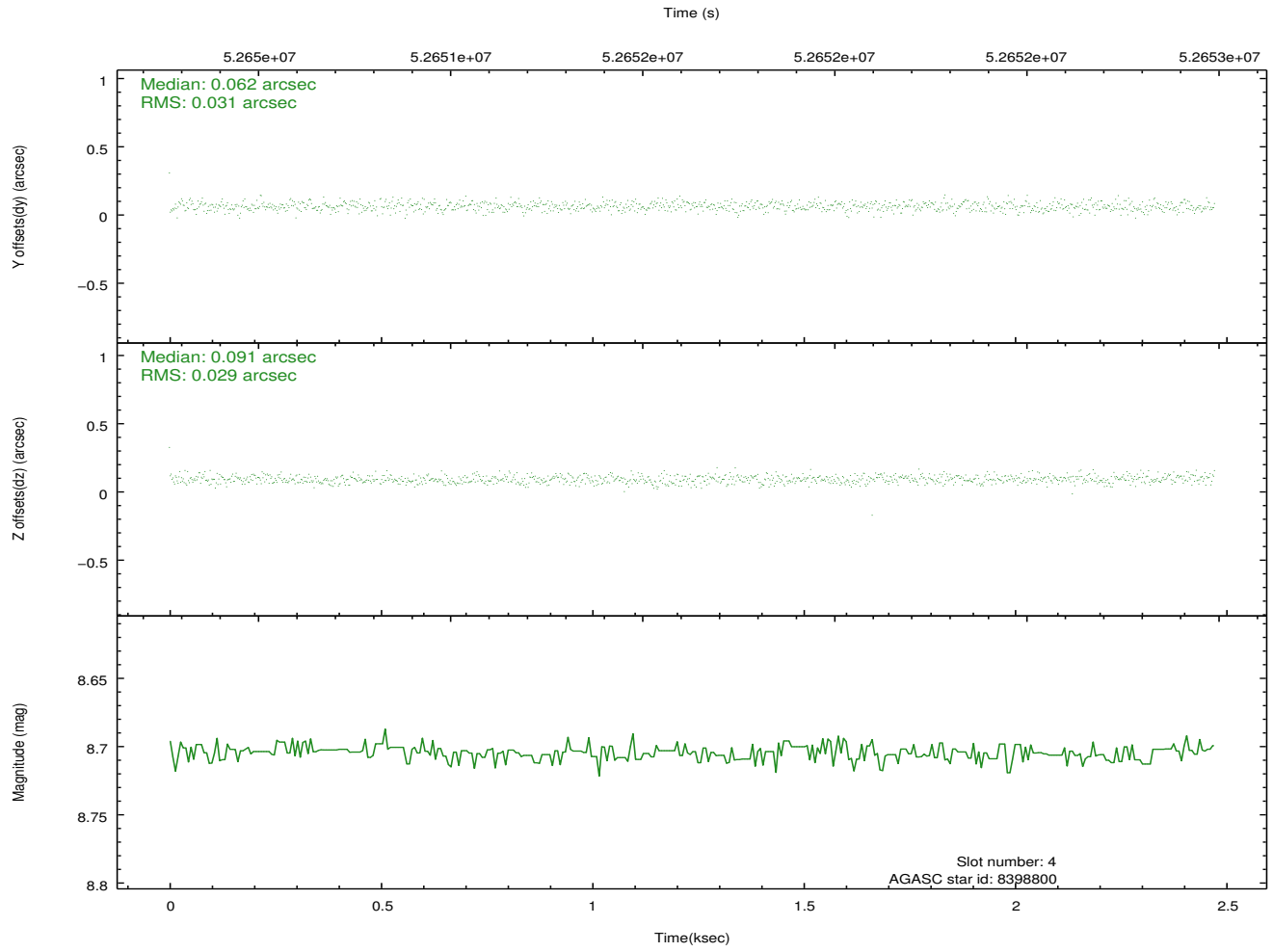
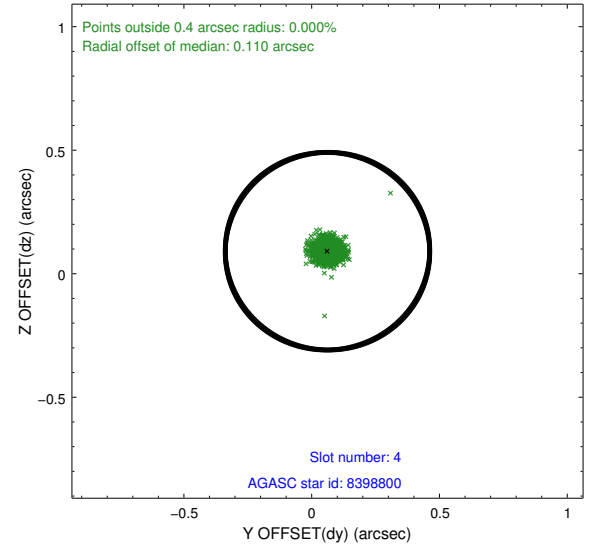
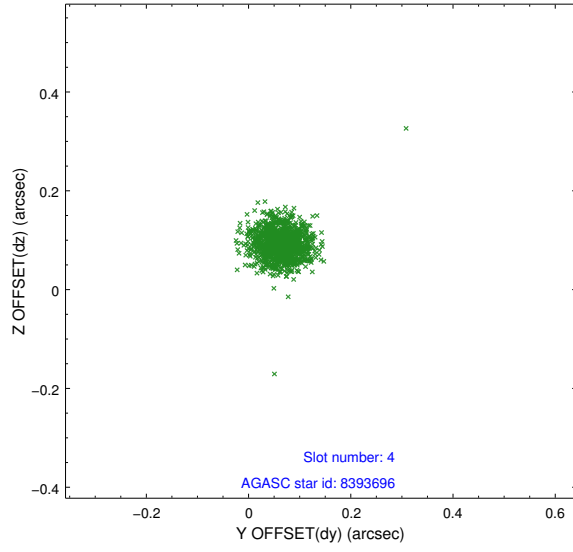
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.87	1207	0.215	-1.008	0.004	0.008	0.000000	0.000000	-751.57	-2397.67
1	FID	HRC-I-3	7.11	1205	-0.142	0.939	0.004	0.008	0.000000	0.000000	-1180.22	-94.30
2	BAD	HRC-I-4	6.94	246	-2.655	7.092	0.012	0.023	0.000000	0.000000	1284.40	-88.76
3	GUIDE	8393696	8.43	1204	0.005	-0.037	0.037	0.061	53.645666	0.680479	685.86	1971.61
4	GUIDE	8398800	8.70	1204	0.062	0.091	0.043	0.067	54.242352	0.922024	1228.88	-279.47
5	GUIDE	8390744	9.01	1204	-0.060	-0.164	0.048	0.081	53.677290	0.926294	1545.19	1727.79
6	GUIDE	8395104	8.67	1204	0.022	0.142	0.041	0.066	54.744893	0.796520	515.45	-2001.95
7	GUIDE	8399352	9.94	1203	-0.027	-0.036	0.087	0.144	53.946831	1.204693	2392.34	618.70

2.4 Star Slots

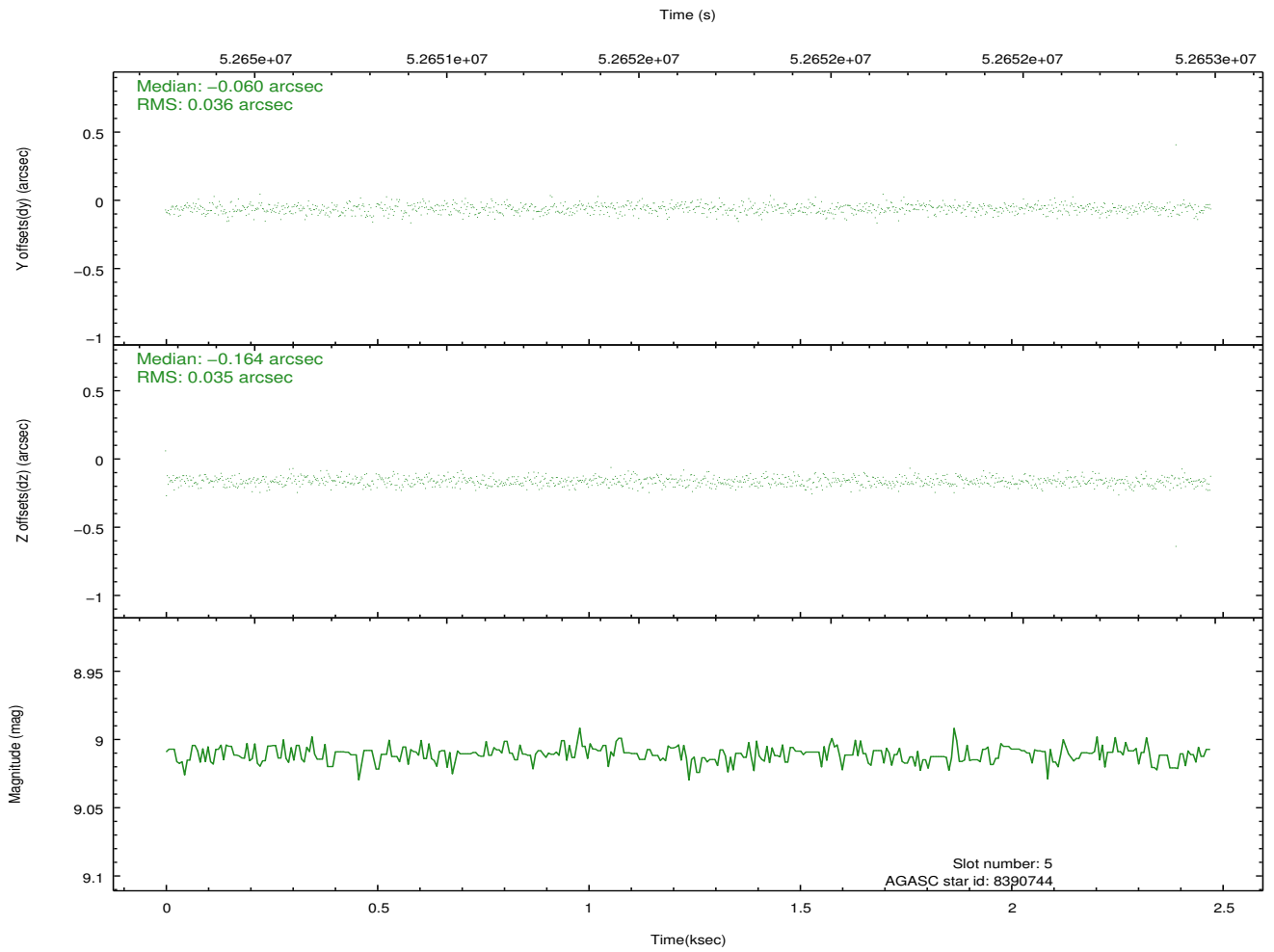
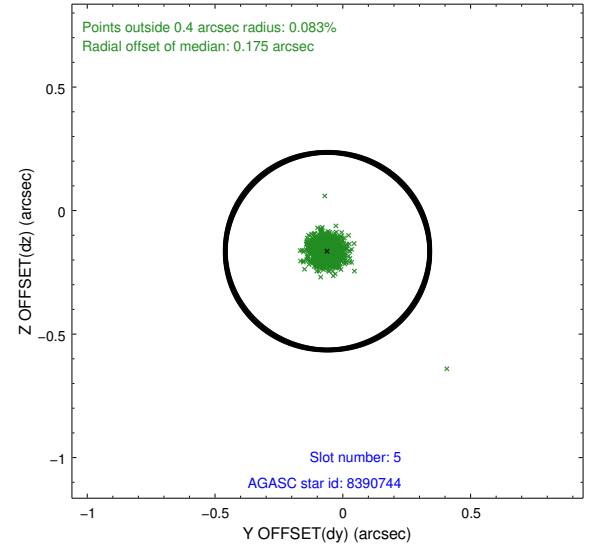
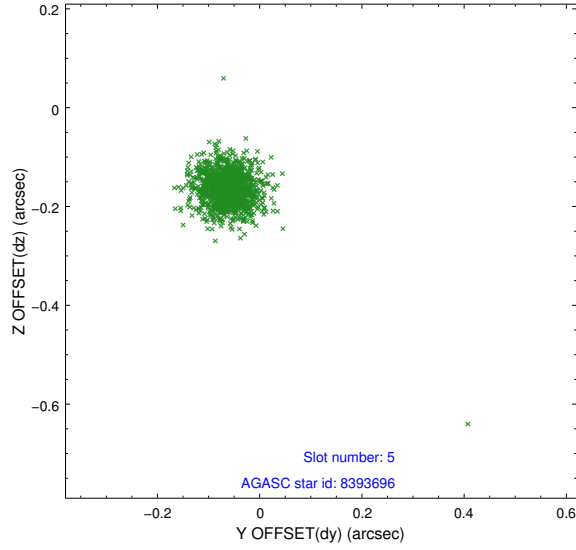
2.4.1 Slot 3



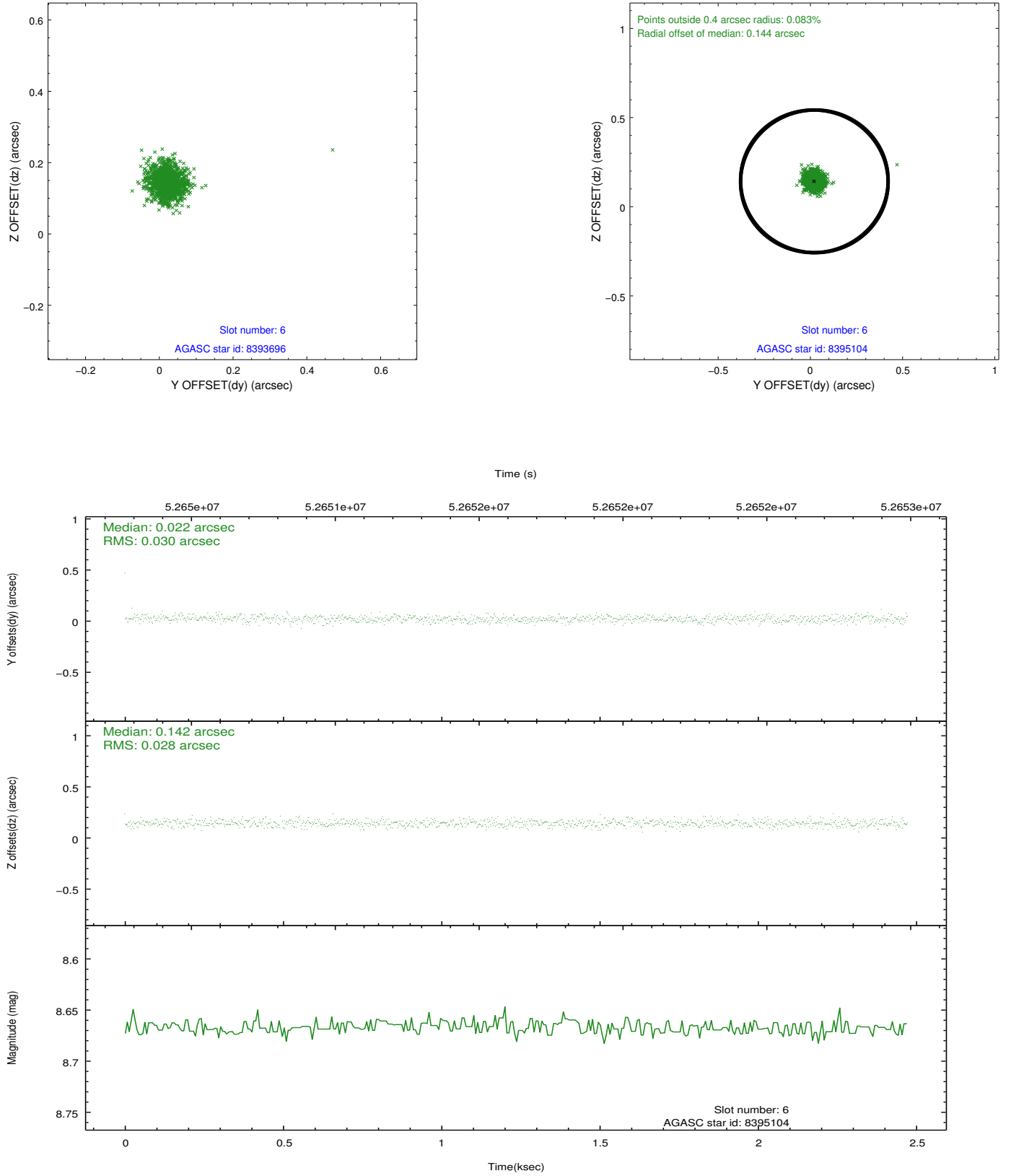
2.4.2 Slot 4



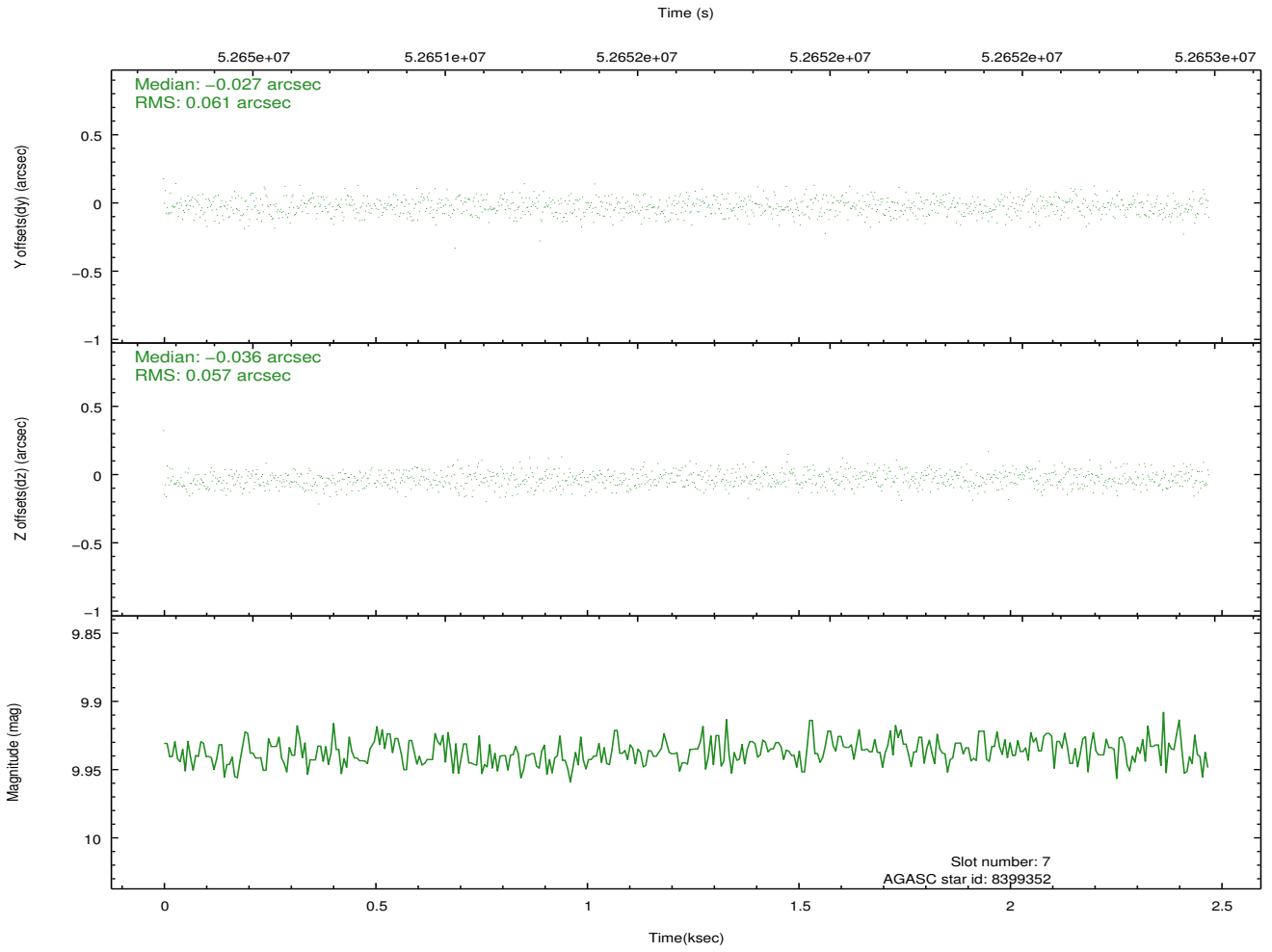
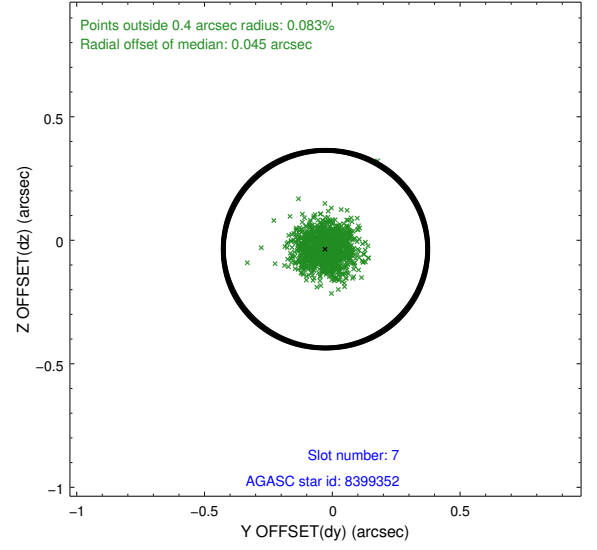
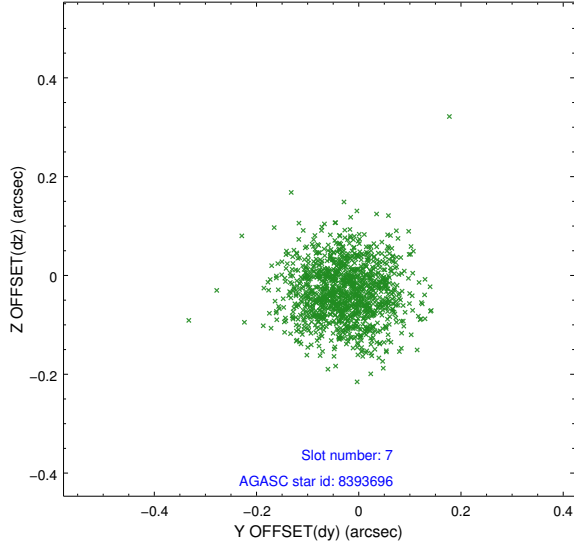
2.4.3 Slot 5



2.4.4 Slot 6

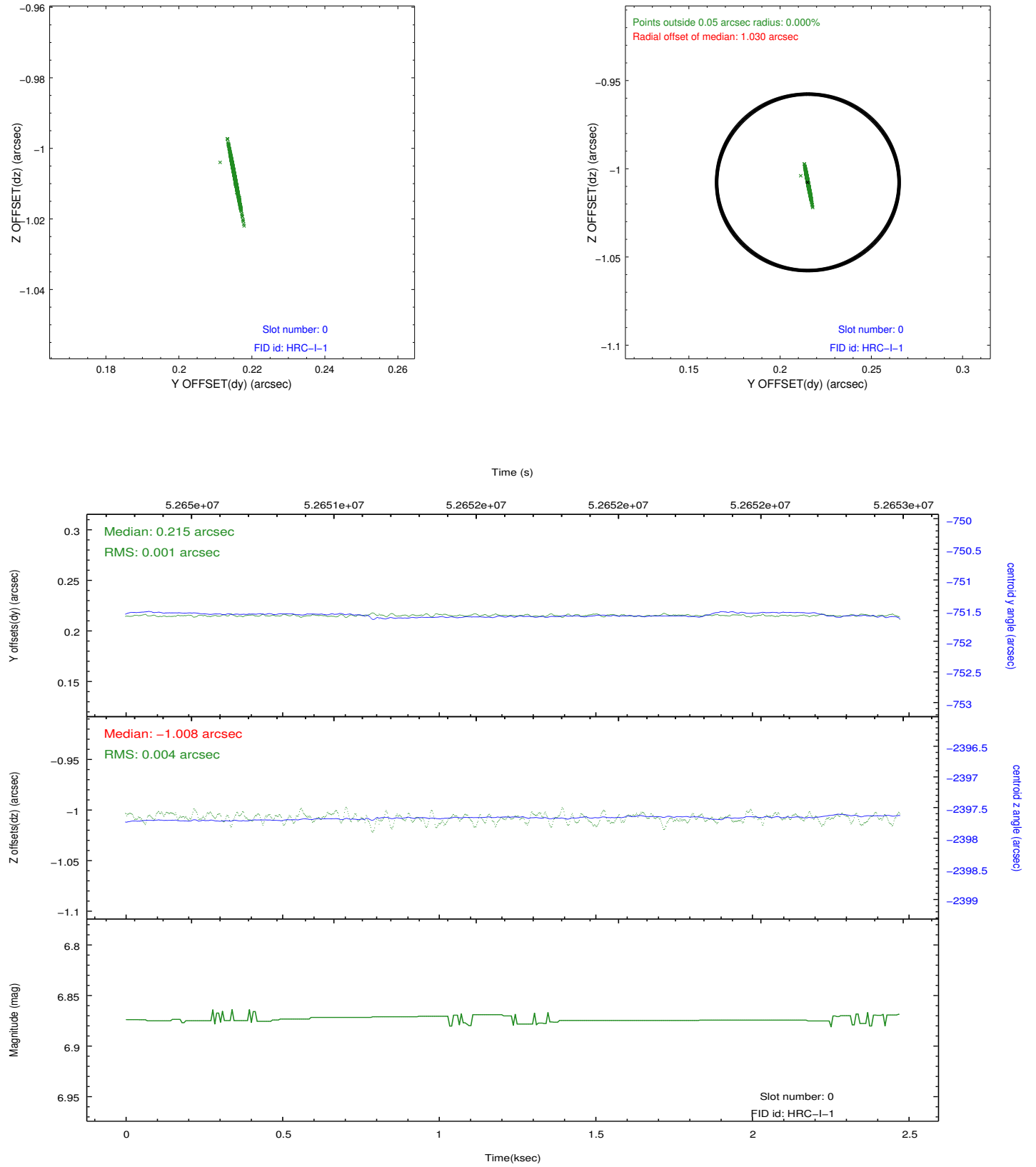


2.4.5 Slot 7

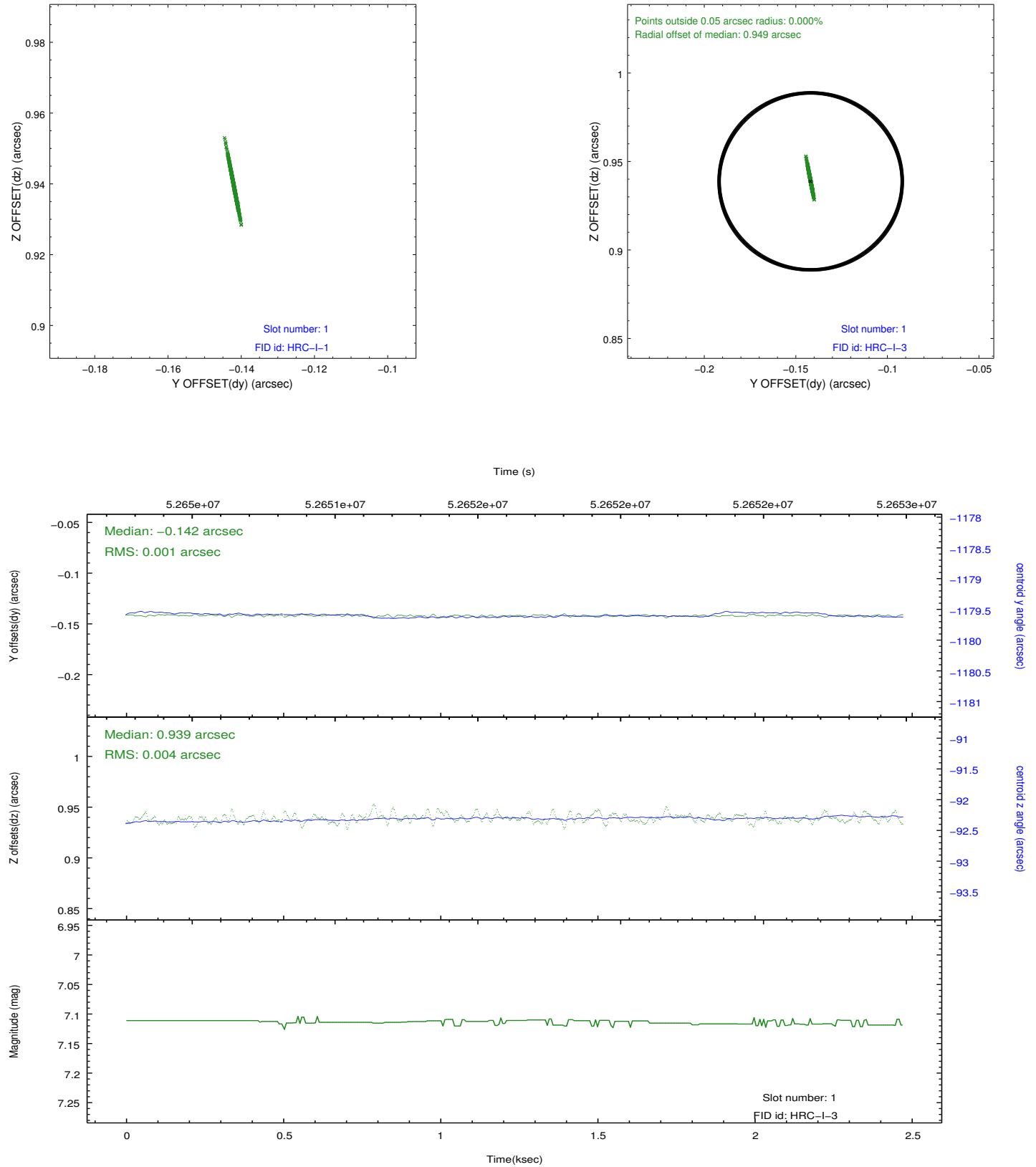


2.5 FID Slots

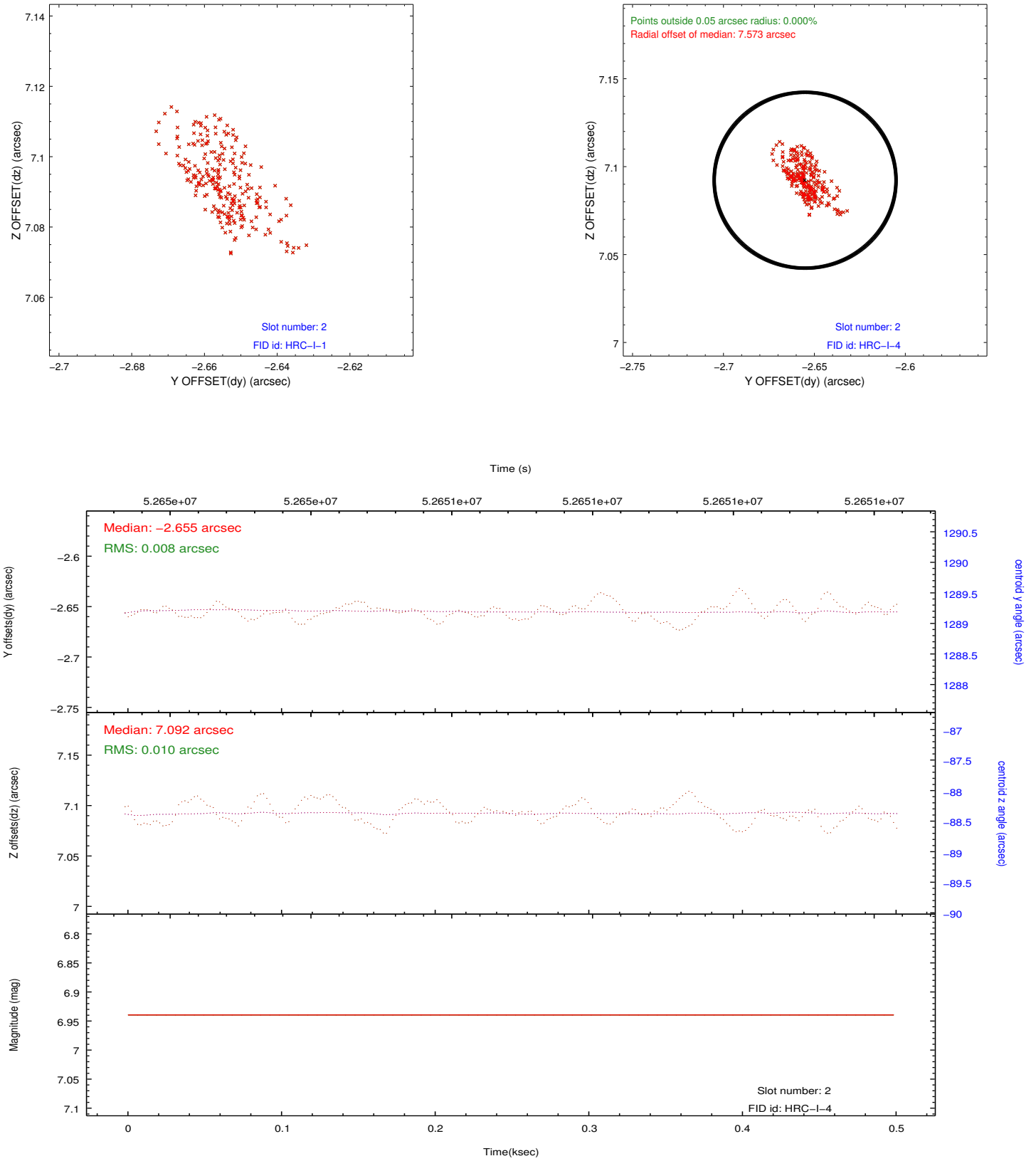
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 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	1.673

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.

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Fid light in slot 2 was blocked by the HRC shutter. Fid light in slot 0 has an unusually large offset. However, slot 0 was used in the aspect solution in a limited way. The pointing solution is not optimal with one missing and one degraded fid light.