

V&V Reference Report

L2 ASCDS Version : 8.2.1

Observation 1261 - L2 Version 3

Chandra X-Ray Center

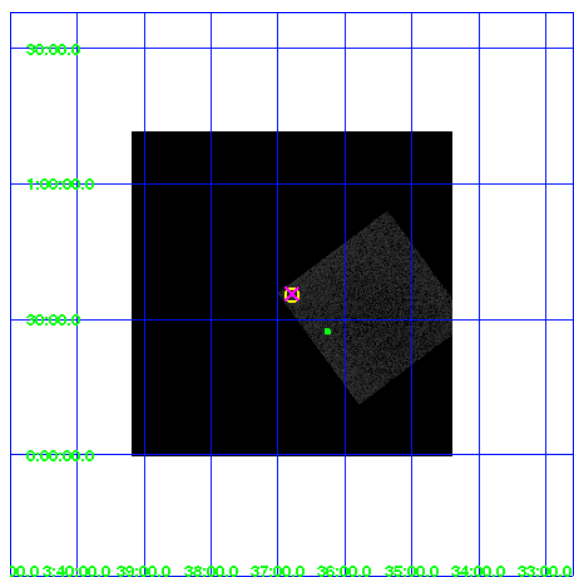
L2 Processing Date : Jan 12 2010

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

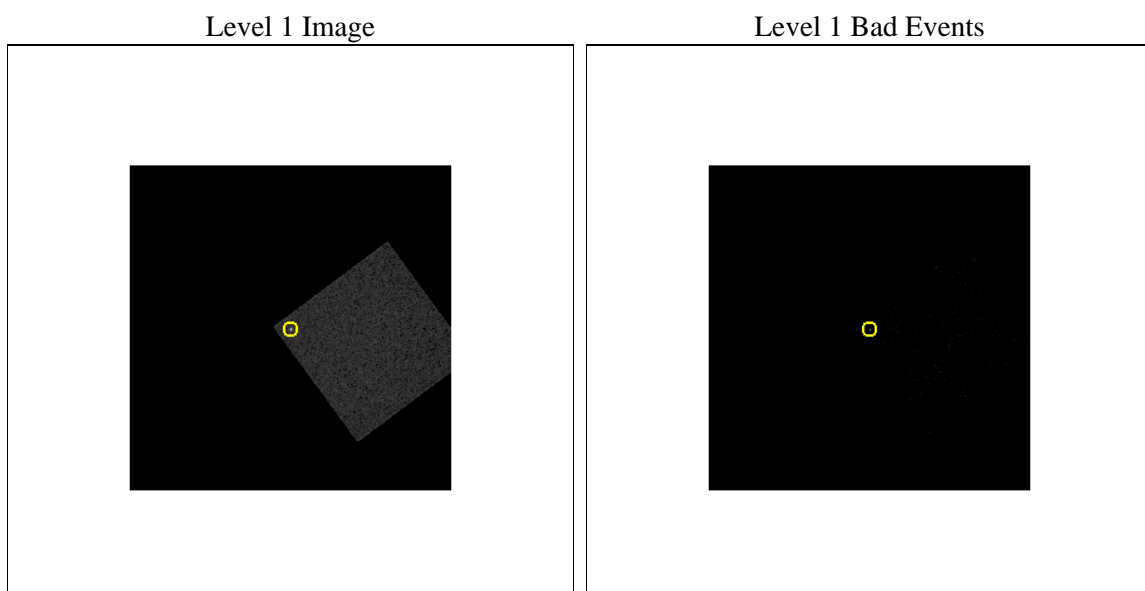
seq_num	280211	Sequence number
obs_id	1261	Observation id
title	 	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	HR1099	Source name
ra_targ	54.197083	Observer's specified target RA
dec_targ	0.589972	Observer's specified target Dec
ra_nom	54.198397240602	Nominal RA
dec_nom	0.59463179663607	Nominal Dec
roll_nom	98.473869637575	Nominal Roll
revision	3	Processing version of data
ontime	795.65627857298	[s]
livetime	787.40552837319	Ontime multiplied by DTCOR
l2events	47522	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	1000.000000	Scheduled observation exposure time
ascdsver	8.2.1	Processing system revision	ontime	795.65627857298	[s]
caldbver	4.1.5	 	l1events	80802	Number of level 1 events
date	2010-01-12T19:55:34	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

Level 1 Events

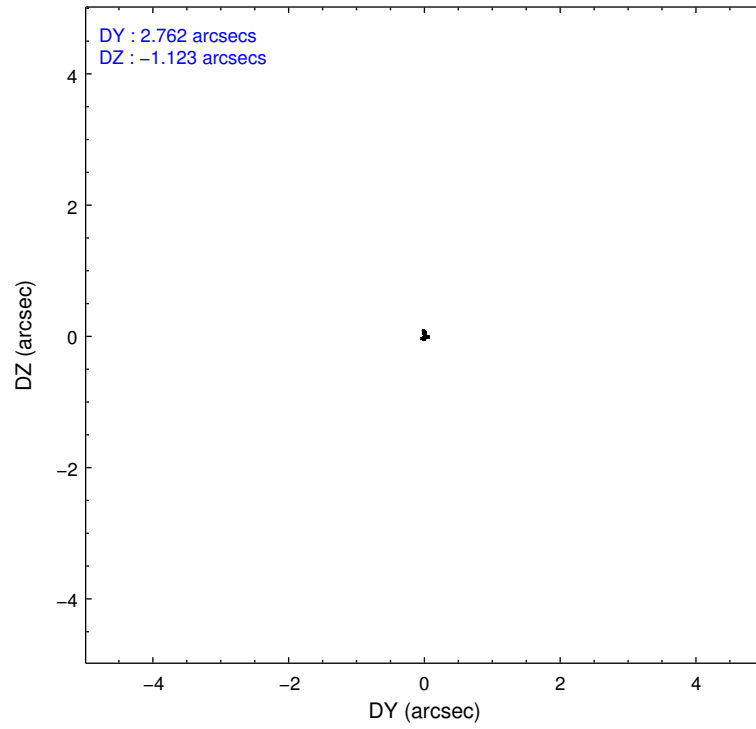
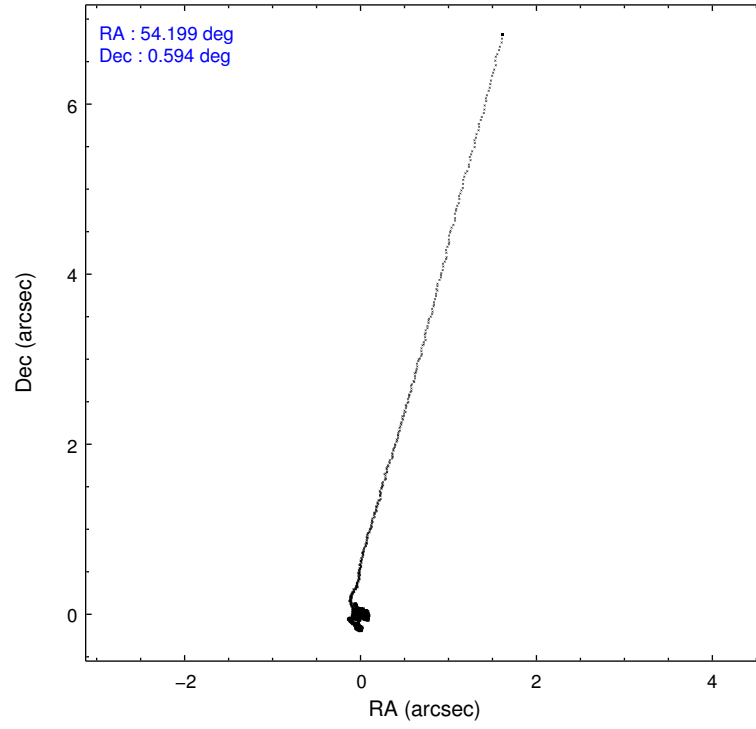
	segment 0
level 1 events	80802
rejected events	3657
rejected %	4%

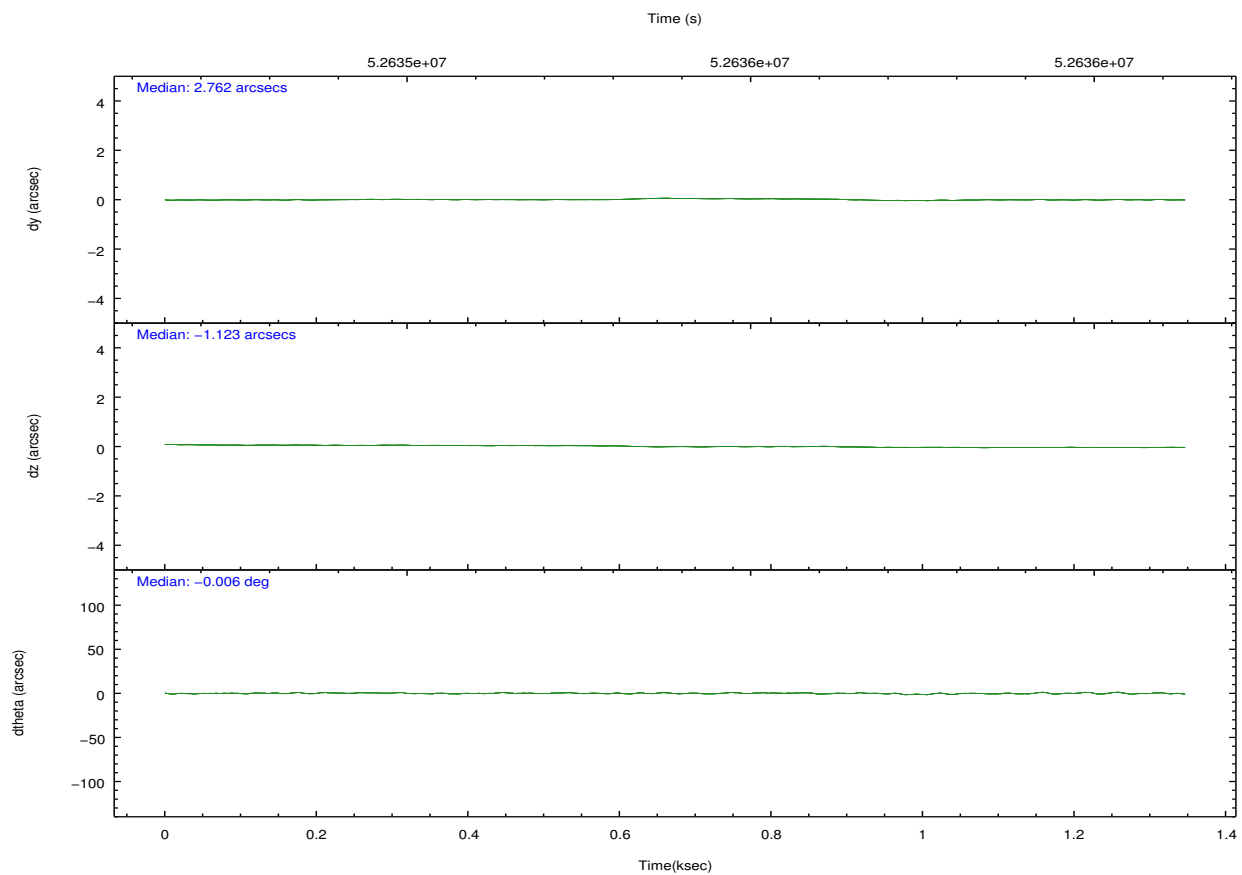
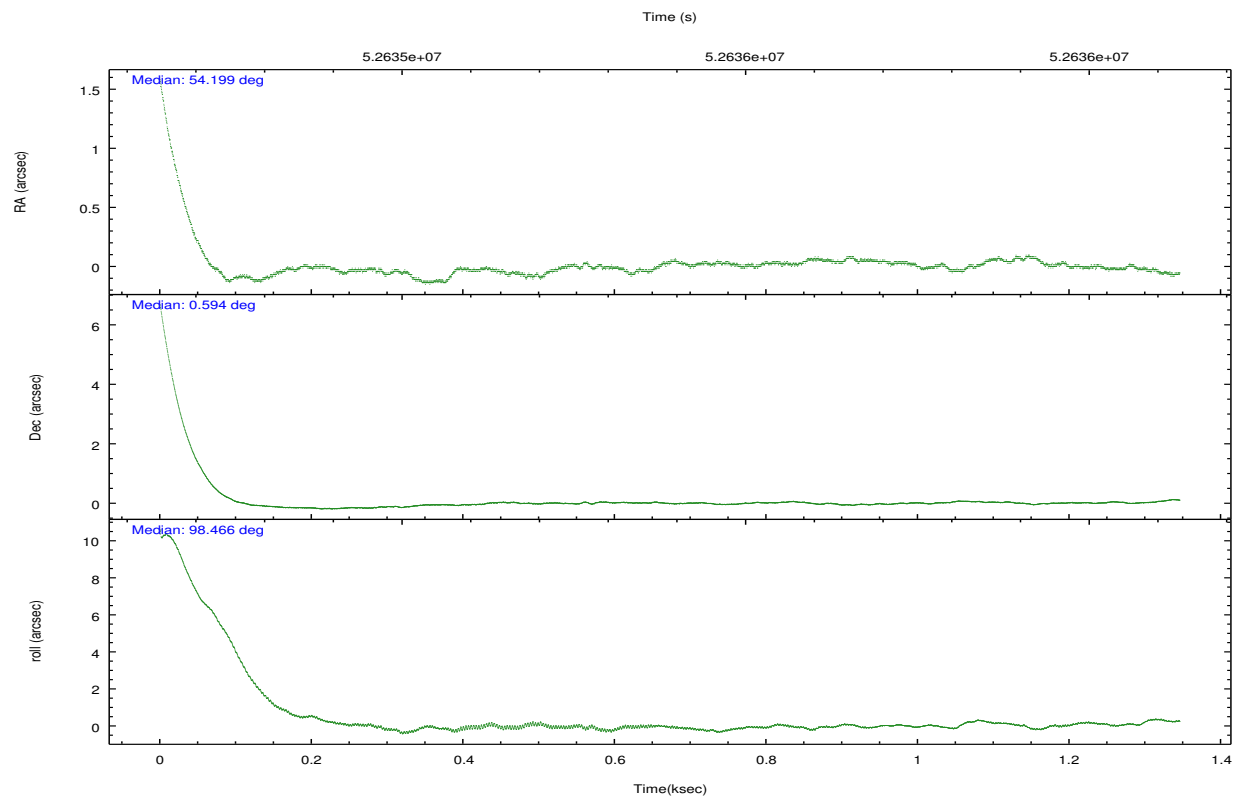
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
Pointing RA	54.215457	54.19839724060209
Pointing Dec	0.573193	0.594631796636069
Pointing Roll	98.569101	98.47386963757512
SIM focus pos (mm)	-1.040293	-1.016036269358593
SIM defocus (mm)	0	0.02425635130028114
SIM translation stage pos (mm)	72.985494	72.97800162777901
SIM translation stage offset (mm)	54	54.00748726382255
Observation start time	52635064.184000	52633736.803511
Observation start date	1999-09-02T04:50:00	1999-09-02T04:28:56
Observation end time	52636064.184000	52636233.1911
Observation end date	1999-09-02T05:06:40	1999-09-02T05:10:33

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

2.3 Aspect



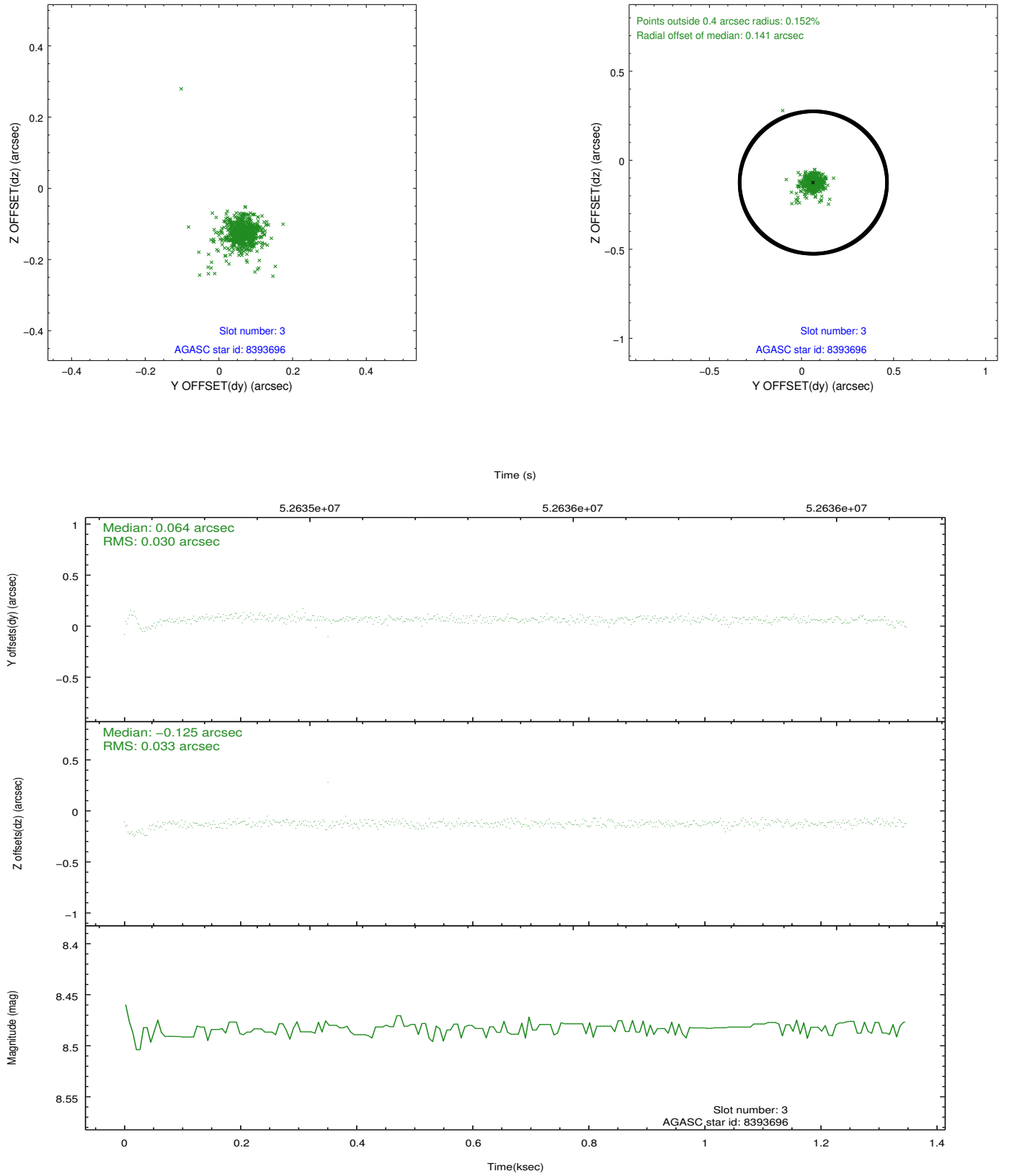


Slot Statistics

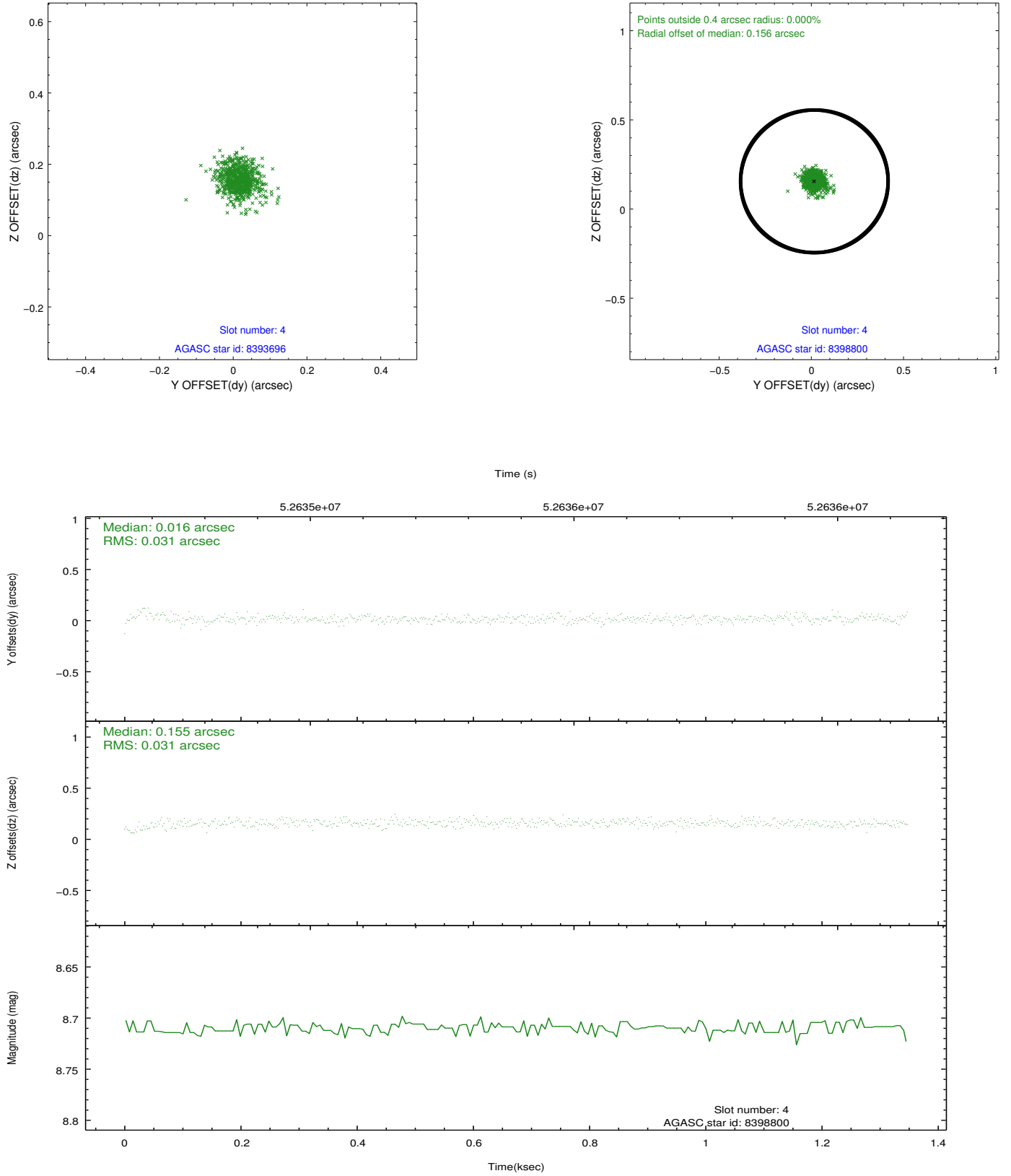
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.96	658	-0.466	-0.207	0.006	0.010	0.000000	0.000000	-756.57	-181.70
1	FID	HRC-I-3	7.03	657	0.356	-0.355	0.006	0.011	0.000000	0.000000	-1189.08	2127.43
2	FID	HRC-I-4	6.91	658	0.226	0.466	0.005	0.009	0.000000	0.000000	1281.43	2130.00
3	GUIDE	8393696	8.48	658	0.064	-0.125	0.040	0.077	53.645666	0.680479	687.99	1971.09
4	GUIDE	8398800	8.71	656	0.016	0.155	0.045	0.078	54.242352	0.922024	1228.96	-279.06
5	GUIDE	8390744	9.04	658	0.045	-0.112	0.052	0.084	53.677290	0.926294	1547.95	1726.29
6	GUIDE	8395104	8.66	658	0.105	0.152	0.045	0.080	54.744893	0.796520	514.39	-2001.00
7	GUIDE	8399352	9.95	657	-0.227	-0.067	0.083	0.149	53.946831	1.204693	2393.11	615.02

2.4 Star Slots

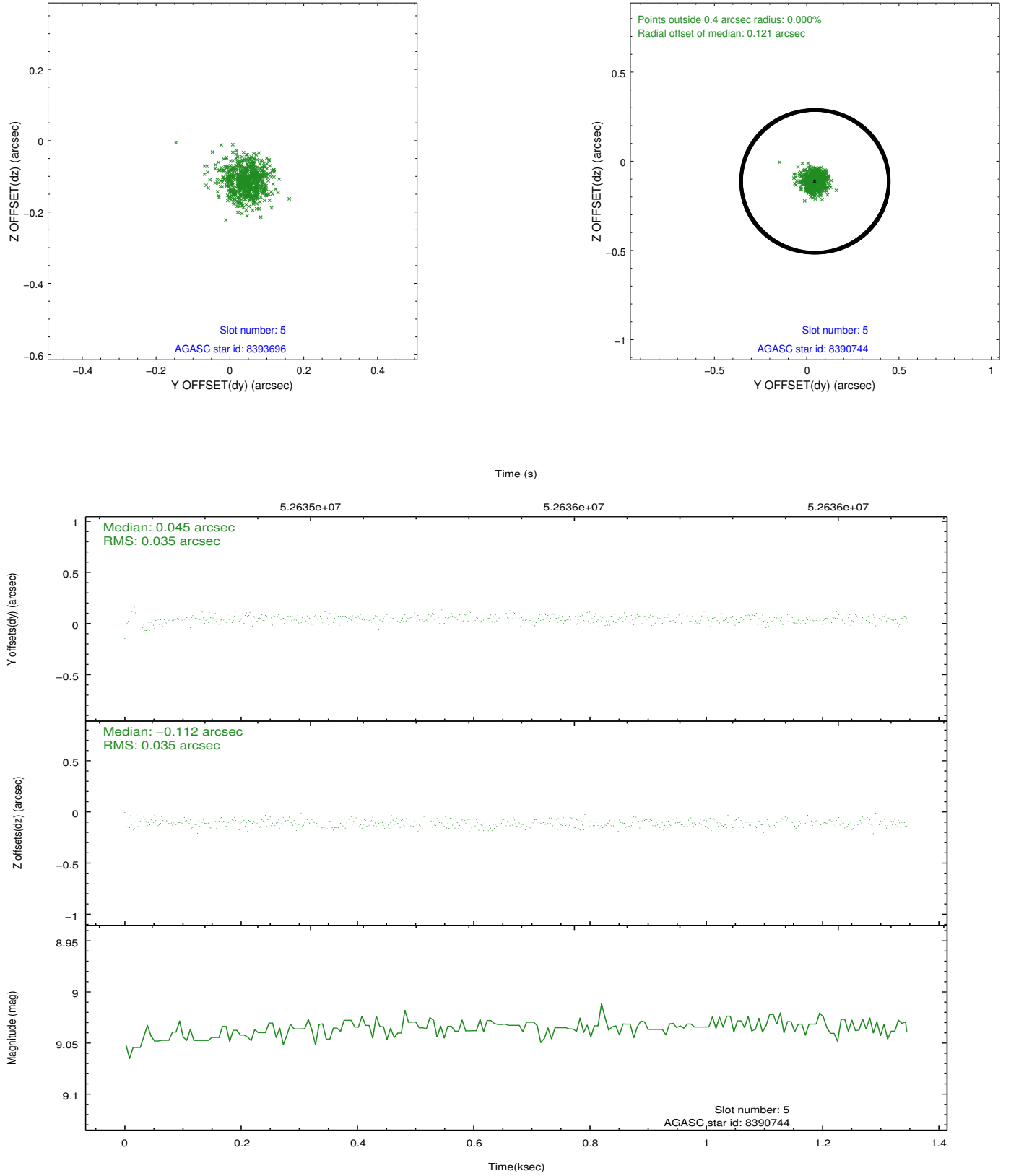
2.4.1 Slot 3



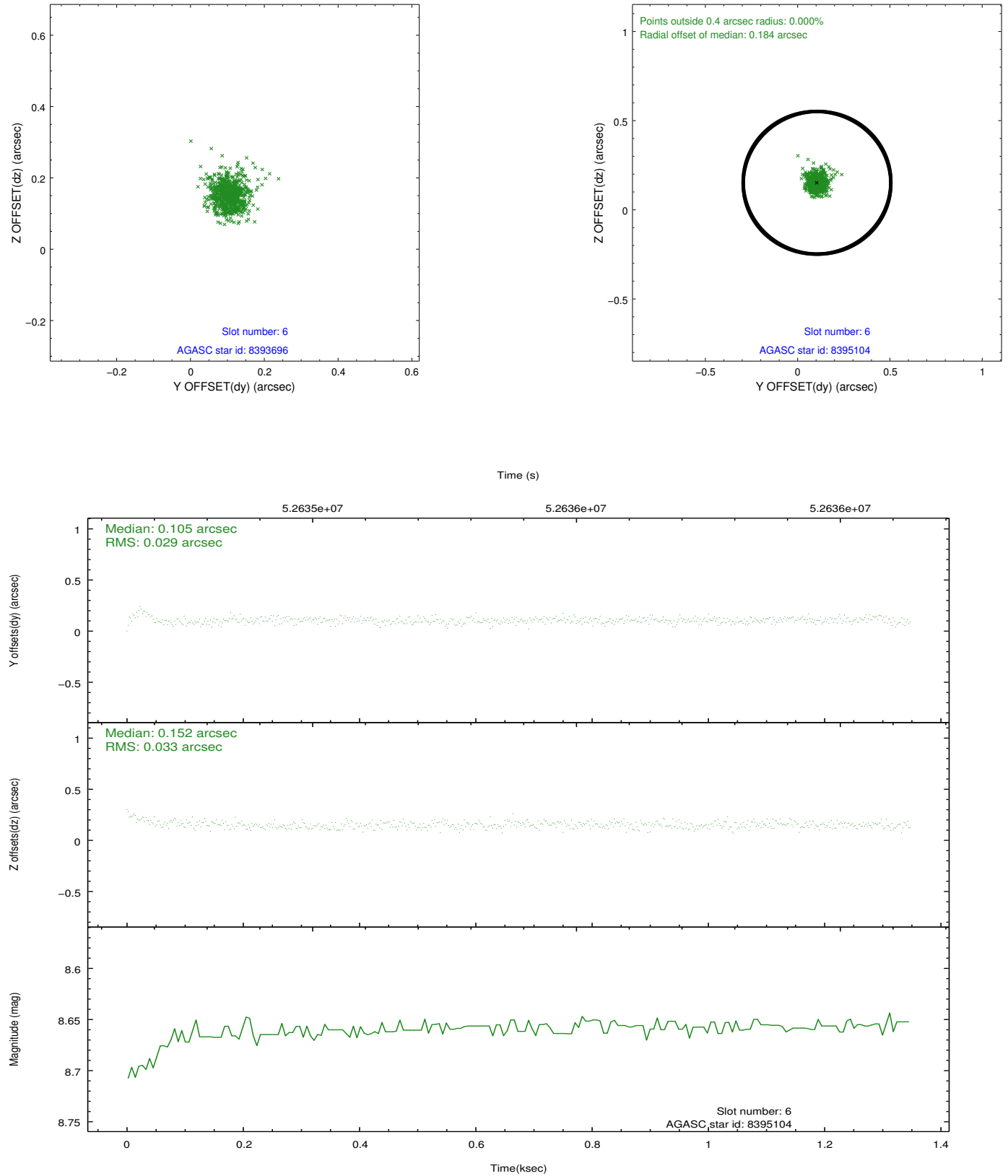
2.4.2 Slot 4



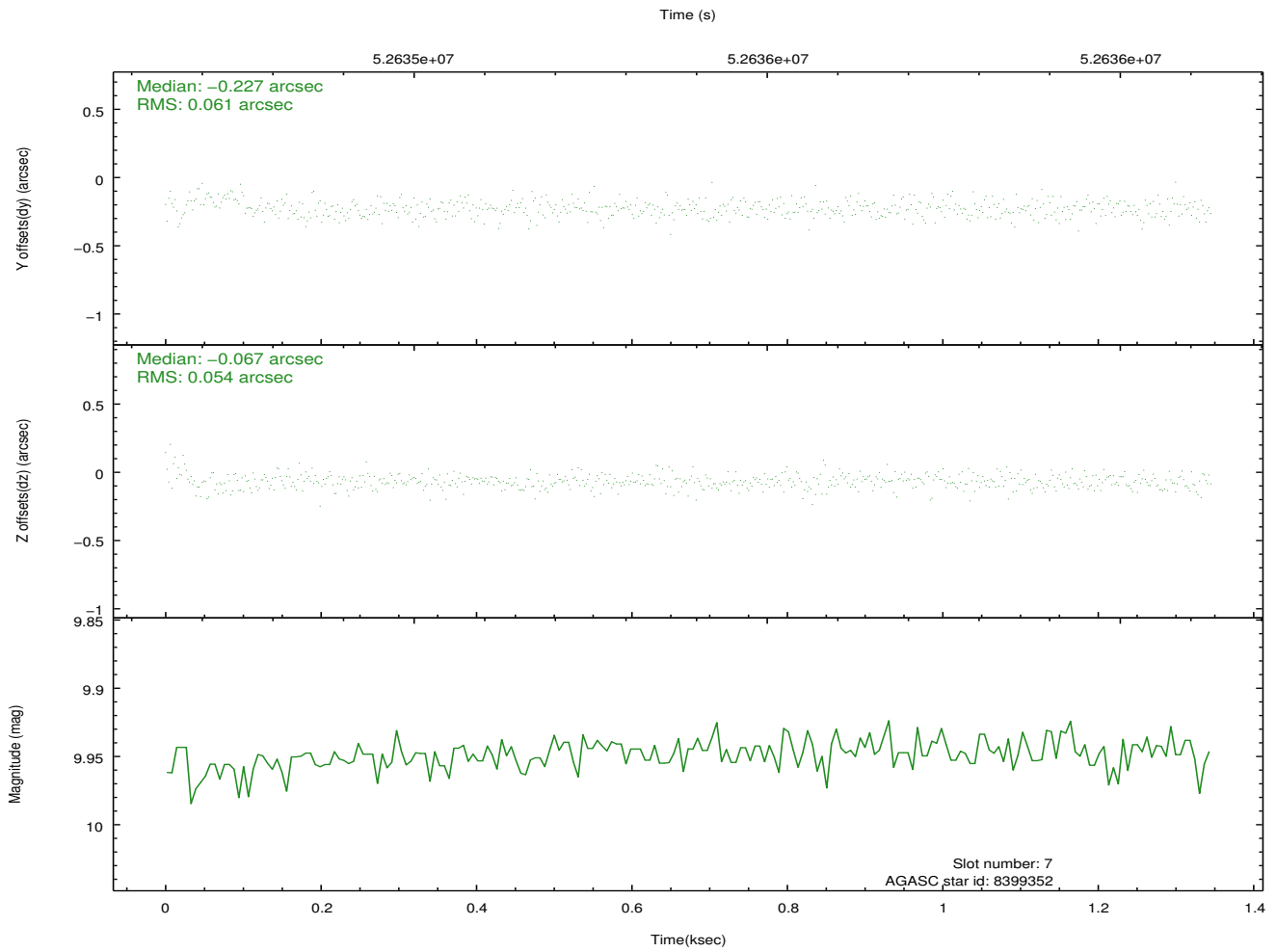
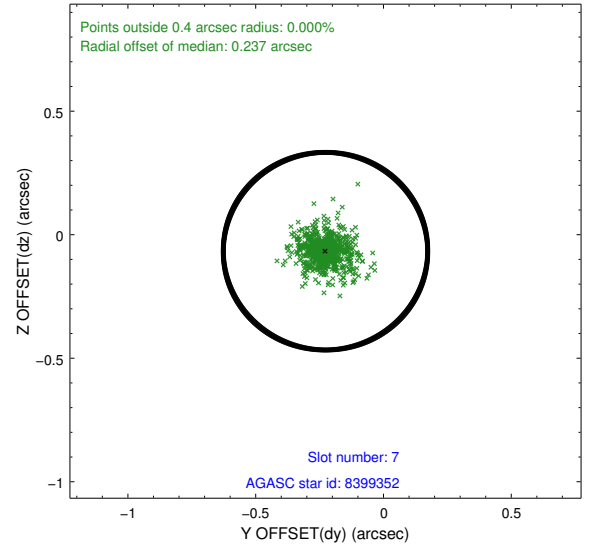
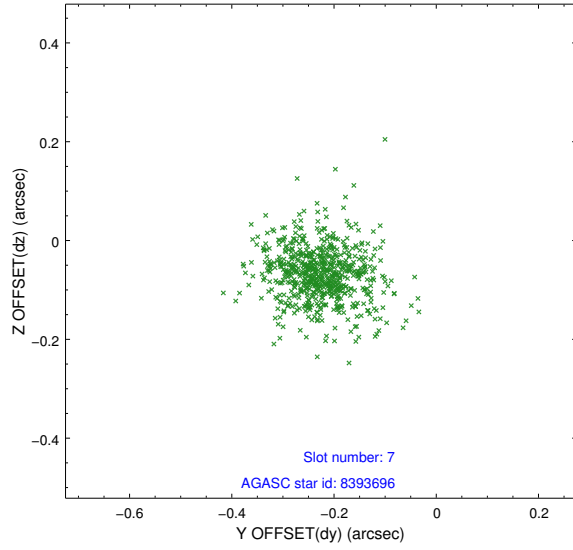
2.4.3 Slot 5



2.4.4 Slot 6

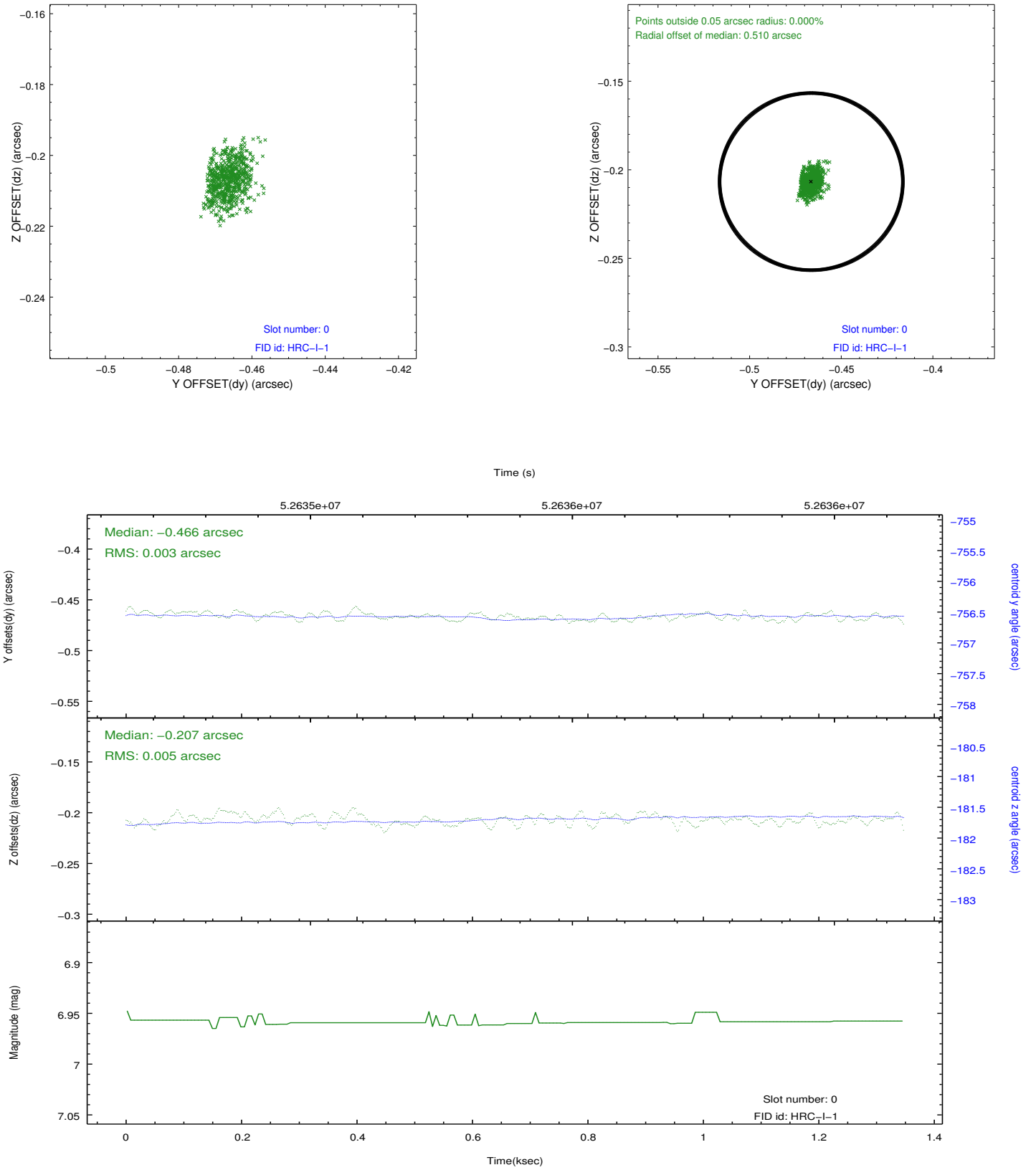


2.4.5 Slot 7

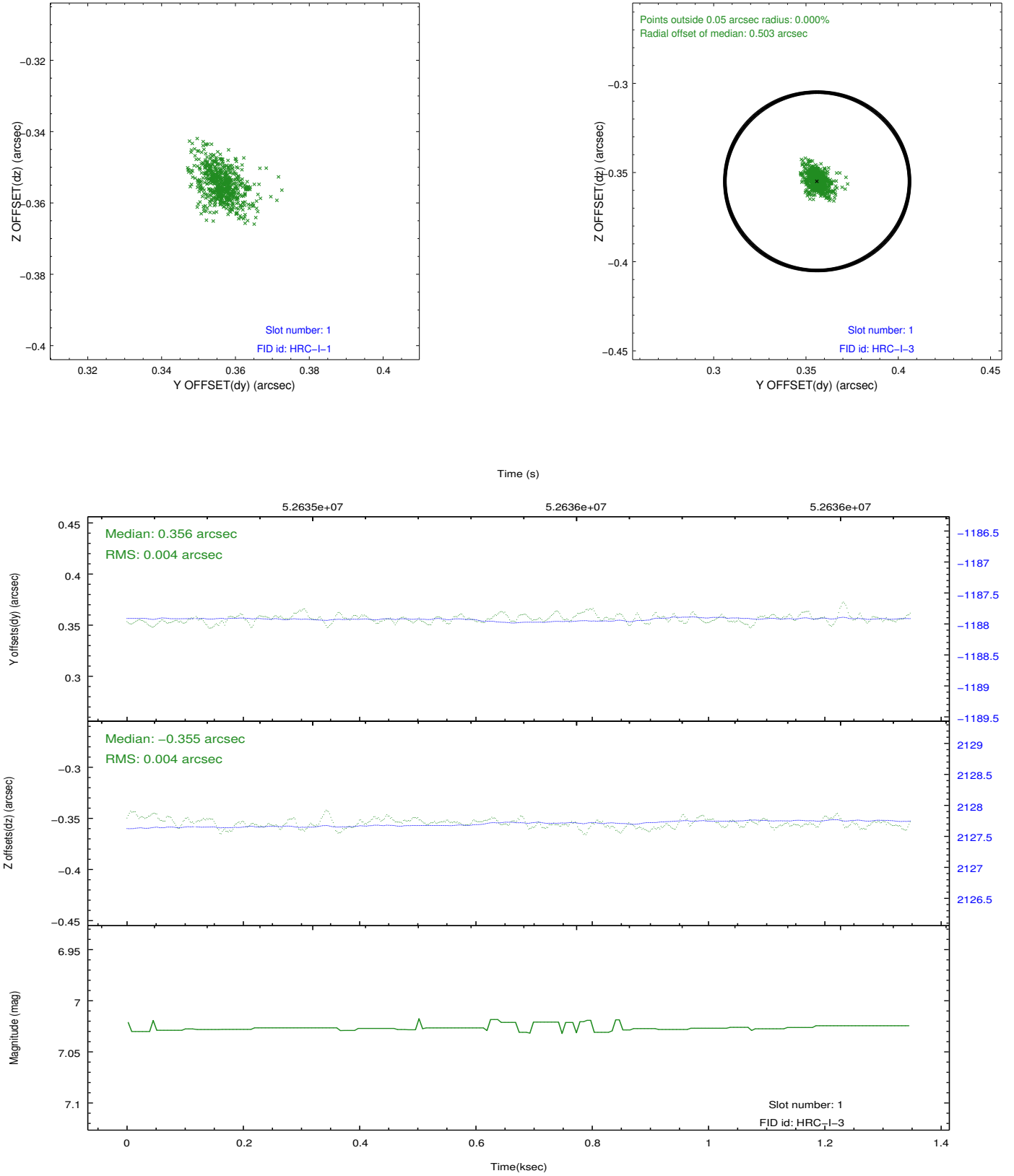


2.5 FID Slots

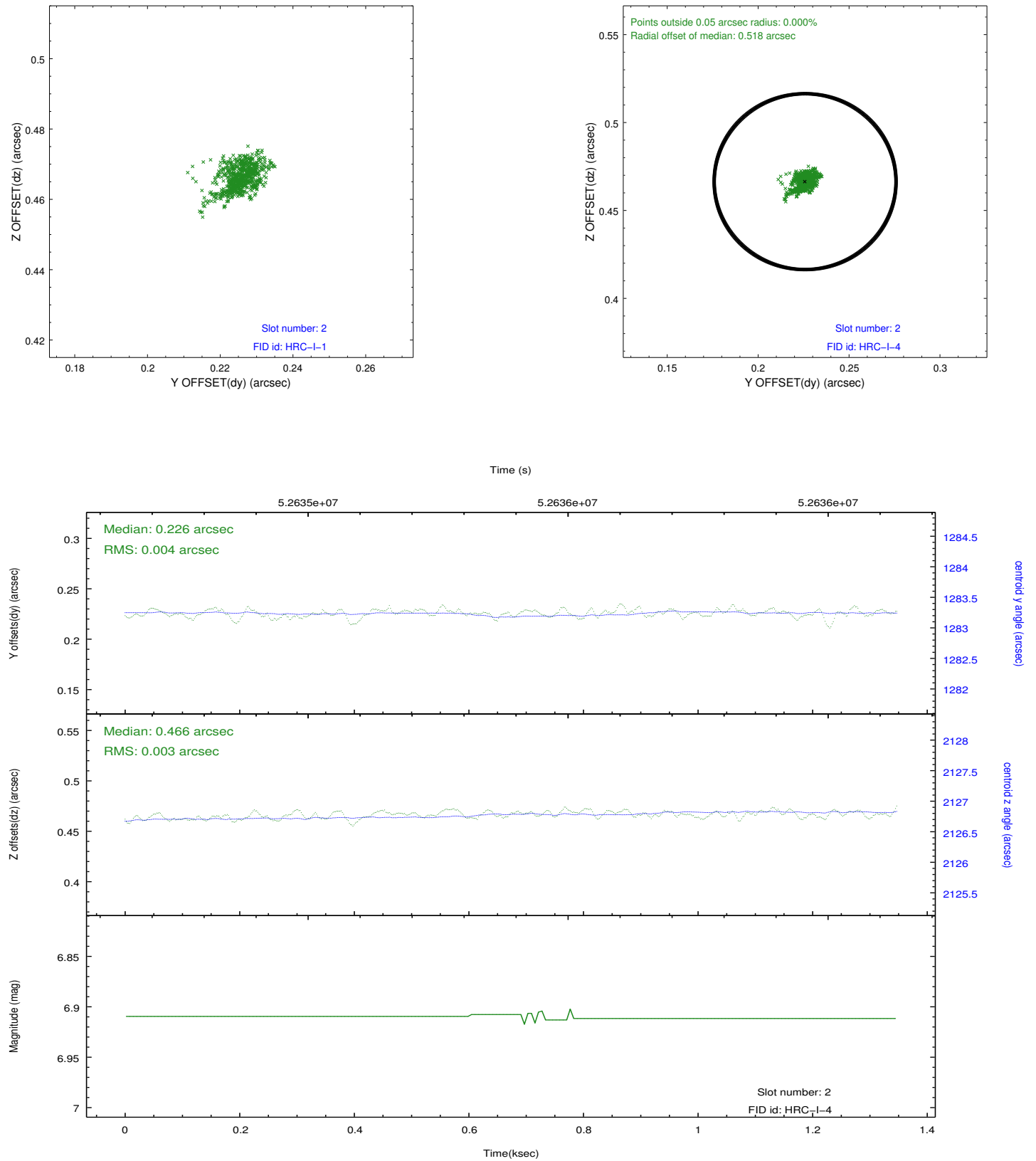
2.5.1 Slot 0



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)	2010.01.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.795

A.2 Comments

HRC shutter focus measurements. Target is near edge of detector to measure

SIM tilt. But the focus value is not optimal.===HRC shutter doors partially closed, which affected the fid light detections.