

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 2592 - L2 Version 001
Chandra X-Ray Center

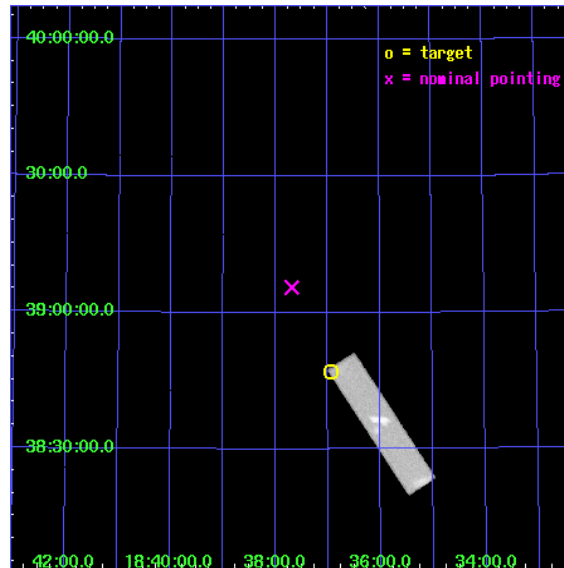
L2 Processing Date : Sep 2 2006

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

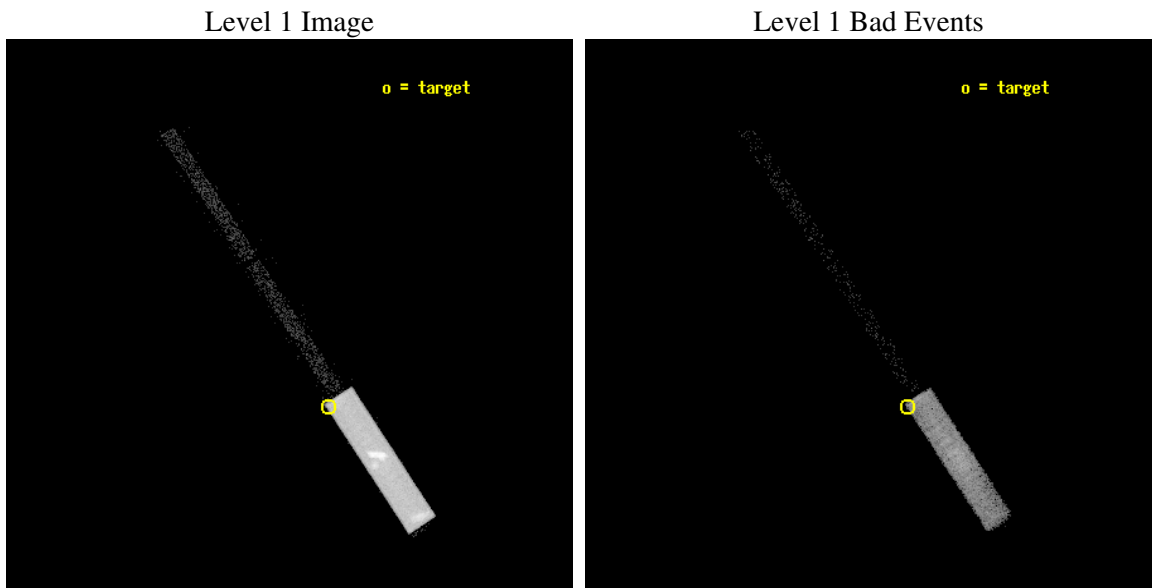
seq_num	290148
obs_id	2592
title	AO3 CALIBRATION OBSERVATIONS OF VEGA
observer	Dr. CXC Calibration
object	VEGA
ra_targ	279.235
dec_targ	38.783778
ra_nom	279.42093933028
dec_nom	39.093043234456
roll_nom	56.543278074924
revision	2
ontime	3042.4563728571
livetime	3027.4292685118
l2events	103319



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.8.1
caldbver	3.2.3
date	2006-09-02T12:53:28
revision	2

sched_exp_time	2900.000000
ontime	3086.5313746482
l1events	153716

2.1.3 Events

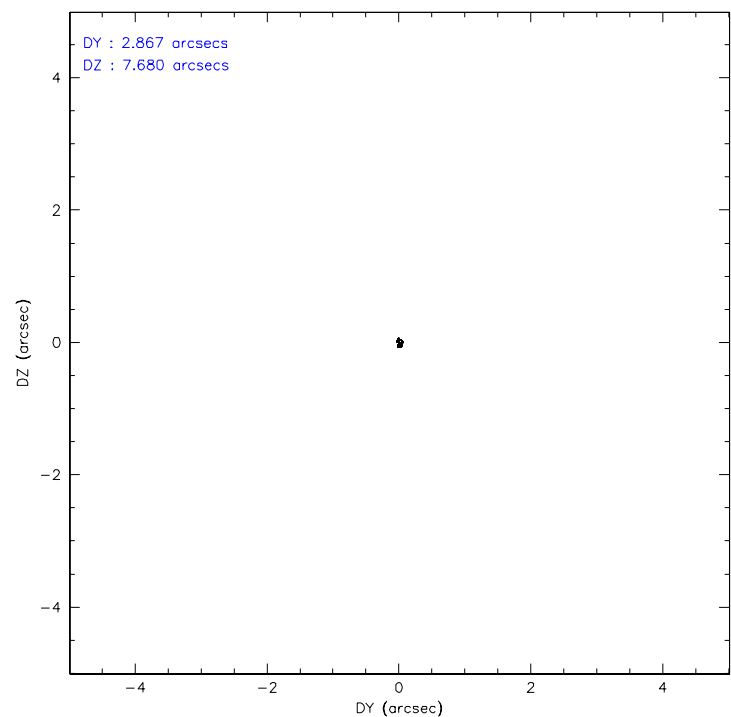
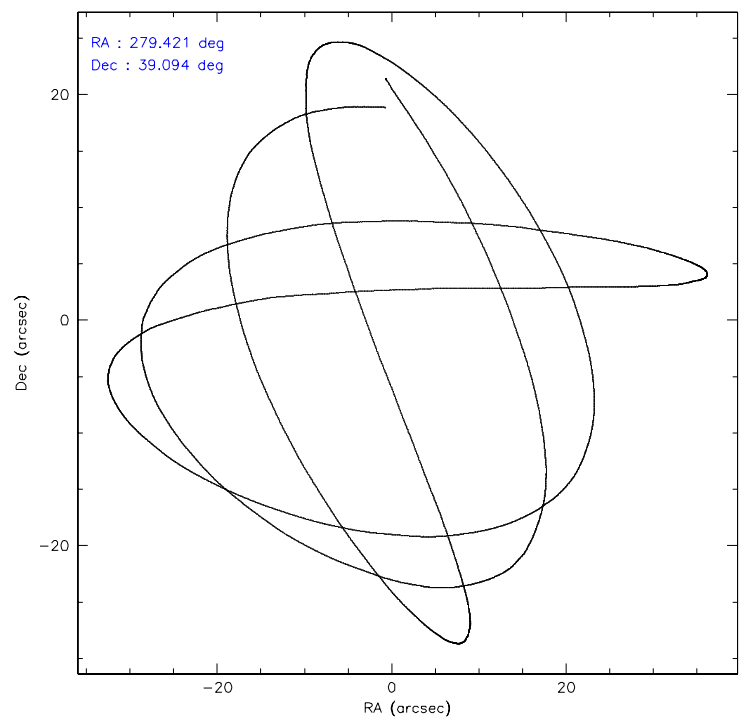
Level 1 Events

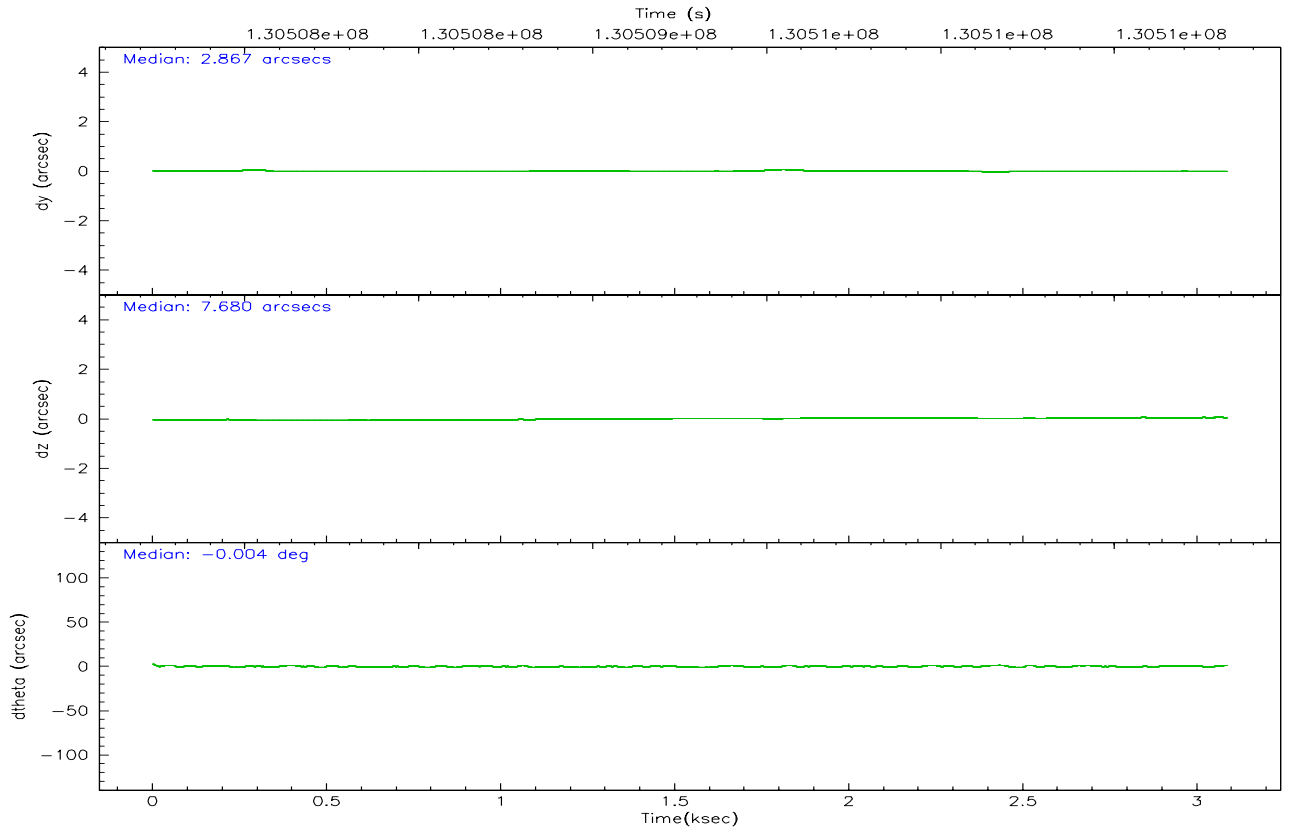
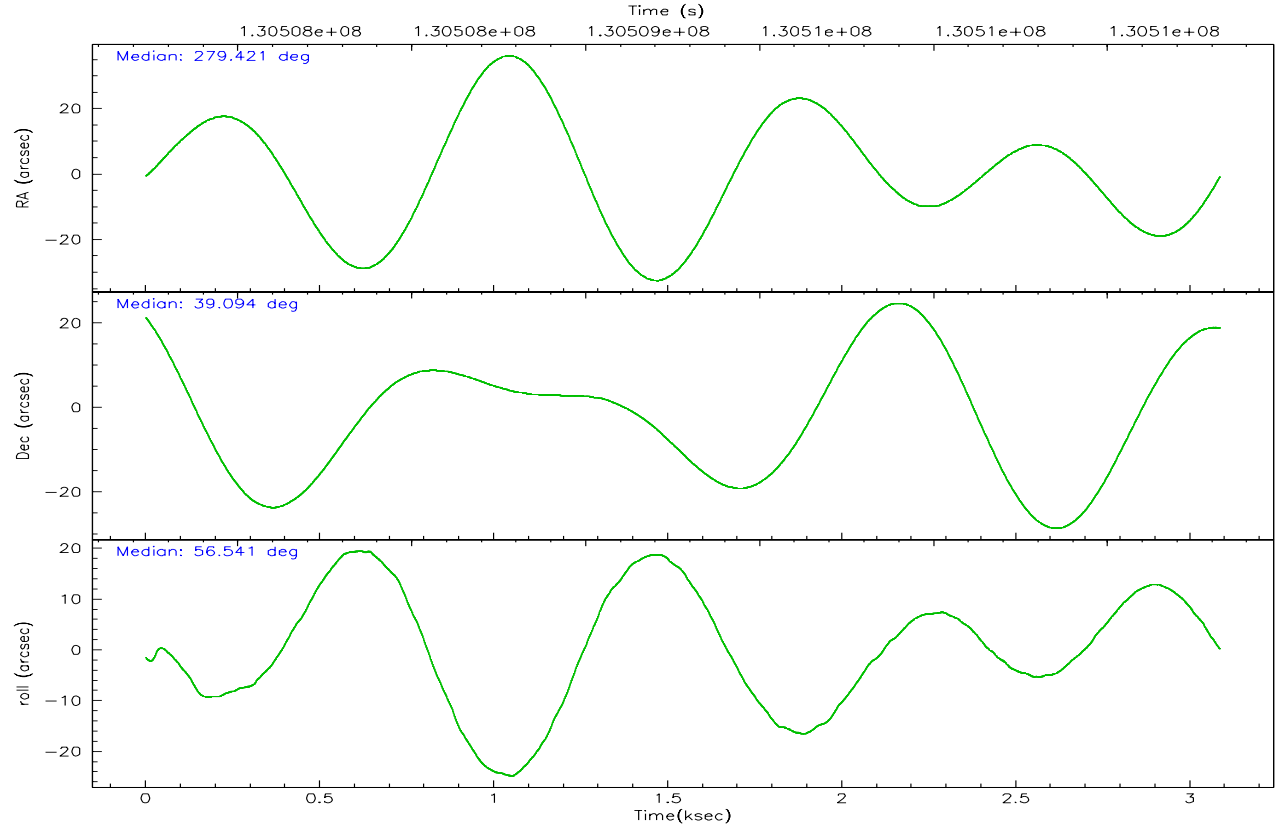
	segment 1	segment 2	segment 3
level 1 events	151421	1112	1183
rejected events	35951	1062	1183
rejected %	23%	95%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	279.420748	279.4209393302802			
Pointing Dec	39.064662	39.09304323445615			
Pointing Roll	56.476075	56.54327807492439			
Window start time	128908864.184000	128908864.184000			
Window stop time	131241664.184000	131241664.184000			
SIM focus pos (mm)	-1.429586	-1.428180813131781			
SIM defocus (mm)	0.1037507710433287	0.1051558262725154			
SIM translation stage pos (mm)	250.455976	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	130507925.184000	130507549.53412			
Observation start date	2002-02-19T12:11:01	2002-02-19T12:05:49			
Observation end time	130510825.184000	130511079.12176			
Observation end date	2002-02-19T12:59:21	2002-02-19T13:04:39			

2.3 Aspect



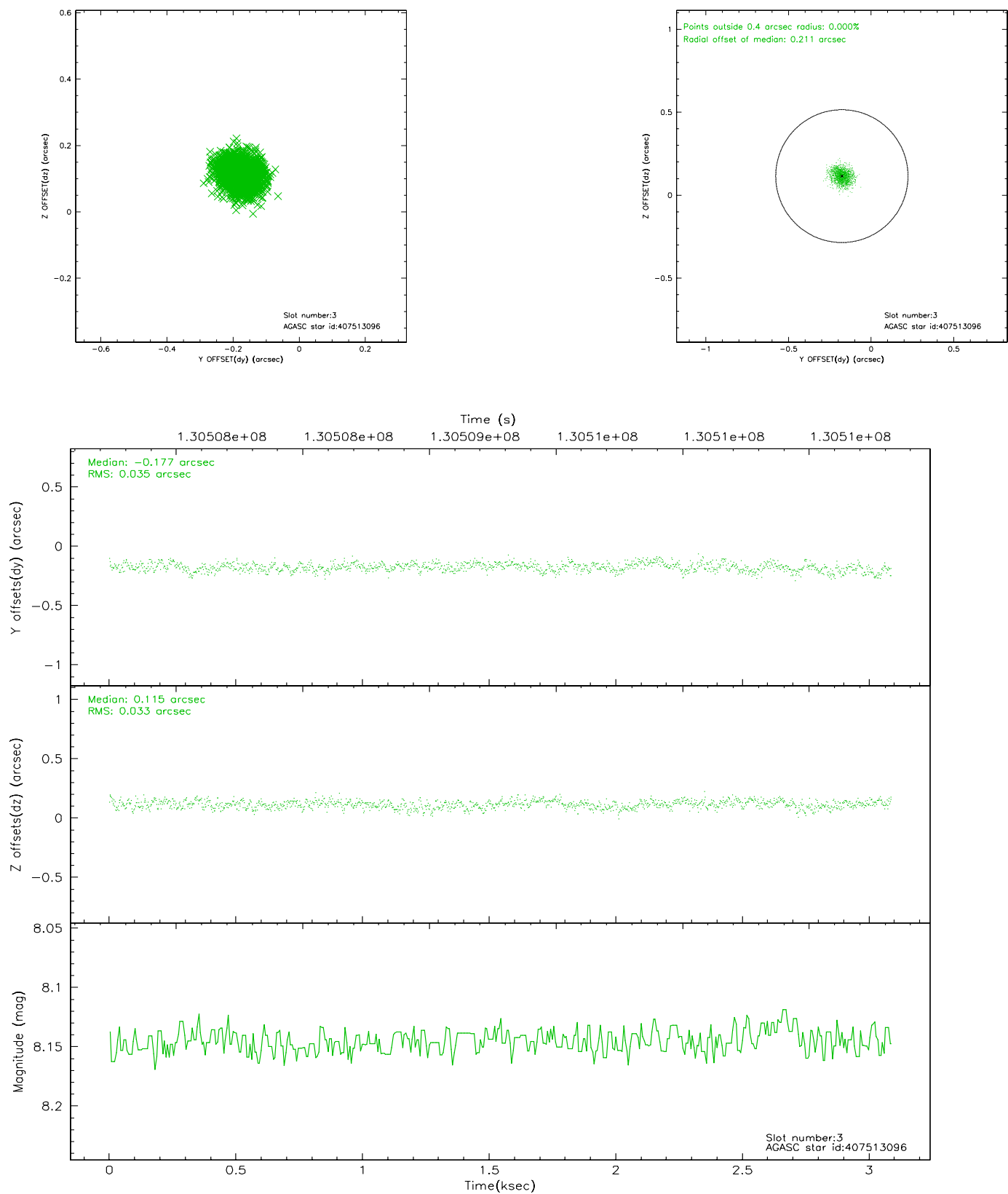


Slot Statistics

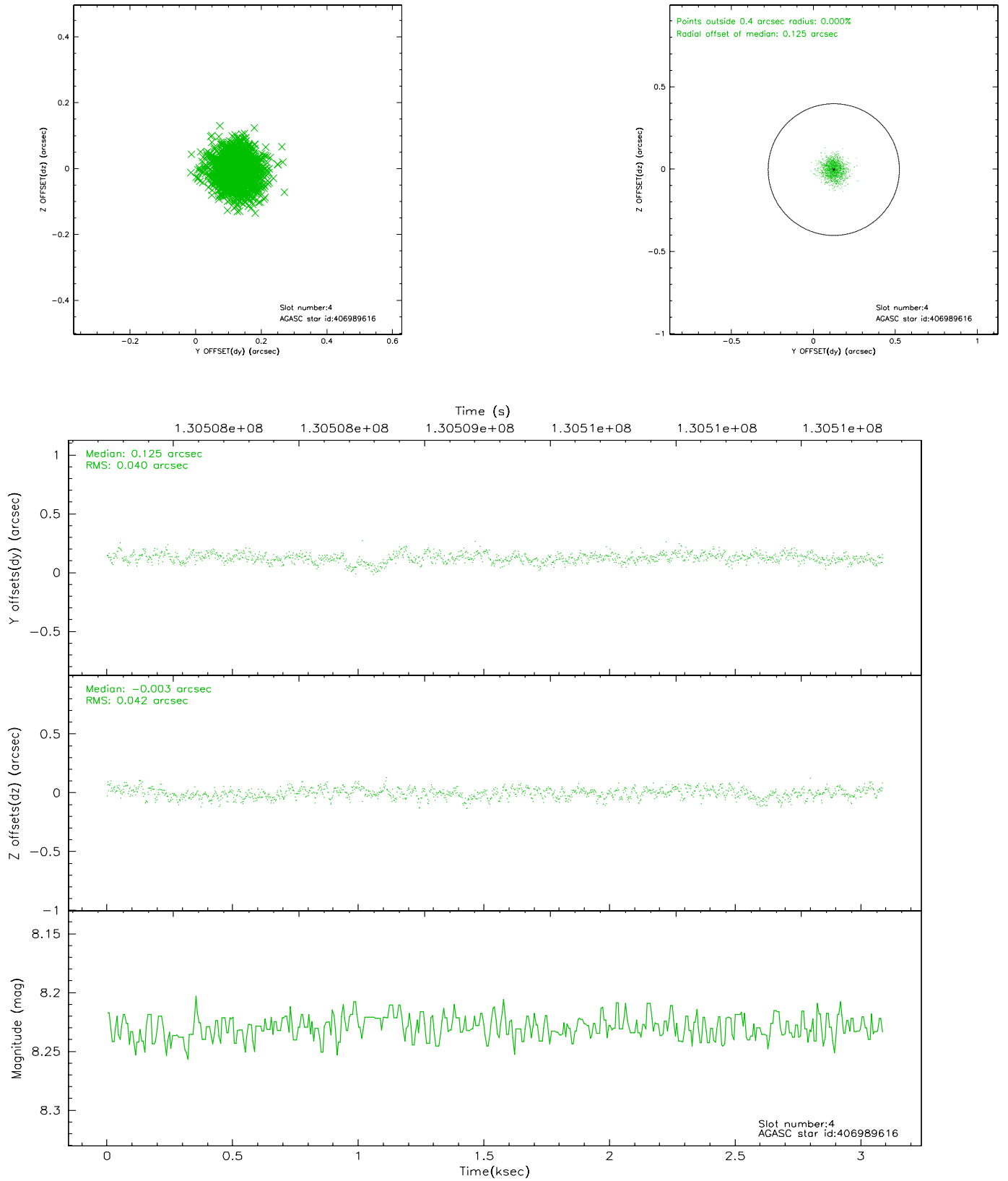
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.96	753	0.131	-0.077	0.006	0.011	0.000000	0.000000	-1156.90	-456.21
1	FID	HRC-S-2	6.96	753	0.106	-0.091	0.004	0.008	0.000000	0.000000	1241.22	-449.44
2	FID	HRC-S-3	6.99	753	0.153	-0.134	0.007	0.011	0.000000	0.000000	-1157.96	572.67
3	GUIDE	407513096	8.15	1507	-0.177	0.115	0.052	0.083	279.928965	39.436841	1901.62	-435.64
4	GUIDE	406989616	8.23	1506	0.125	-0.003	0.061	0.099	279.202881	38.520843	-1967.87	-569.61
5	GUIDE	407521232	8.64	1506	0.093	-0.153	0.060	0.100	279.628883	39.431715	1421.65	247.23
6	GUIDE	406983600	8.91	1507	0.018	0.010	0.073	0.119	279.940957	39.020708	677.20	-1298.09
7	GUIDE	406979352	9.25	1505	-0.058	0.036	0.075	0.124	279.968297	39.230258	1345.39	-942.11

2.4 Star Slots

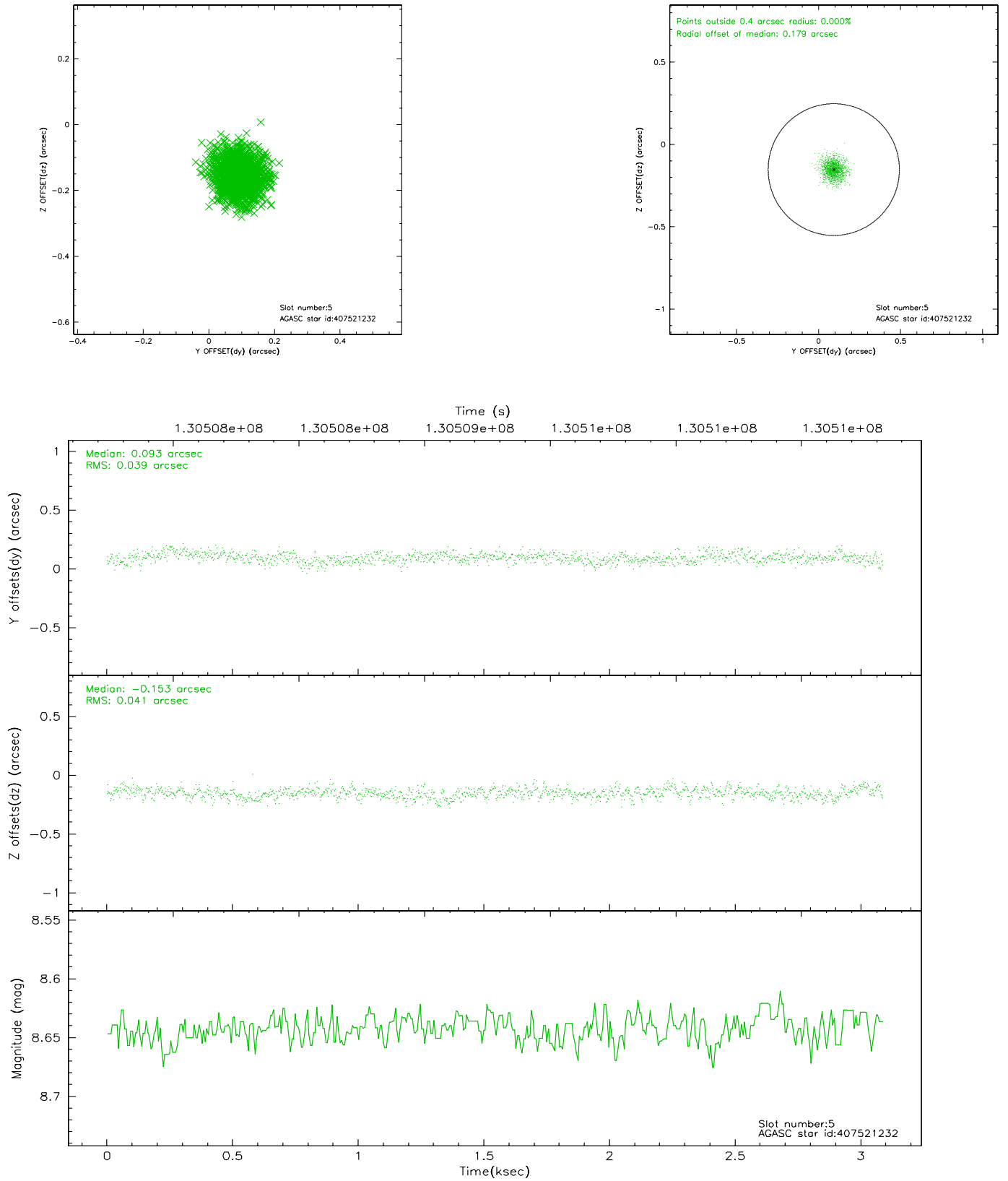
2.4.1 Slot 3



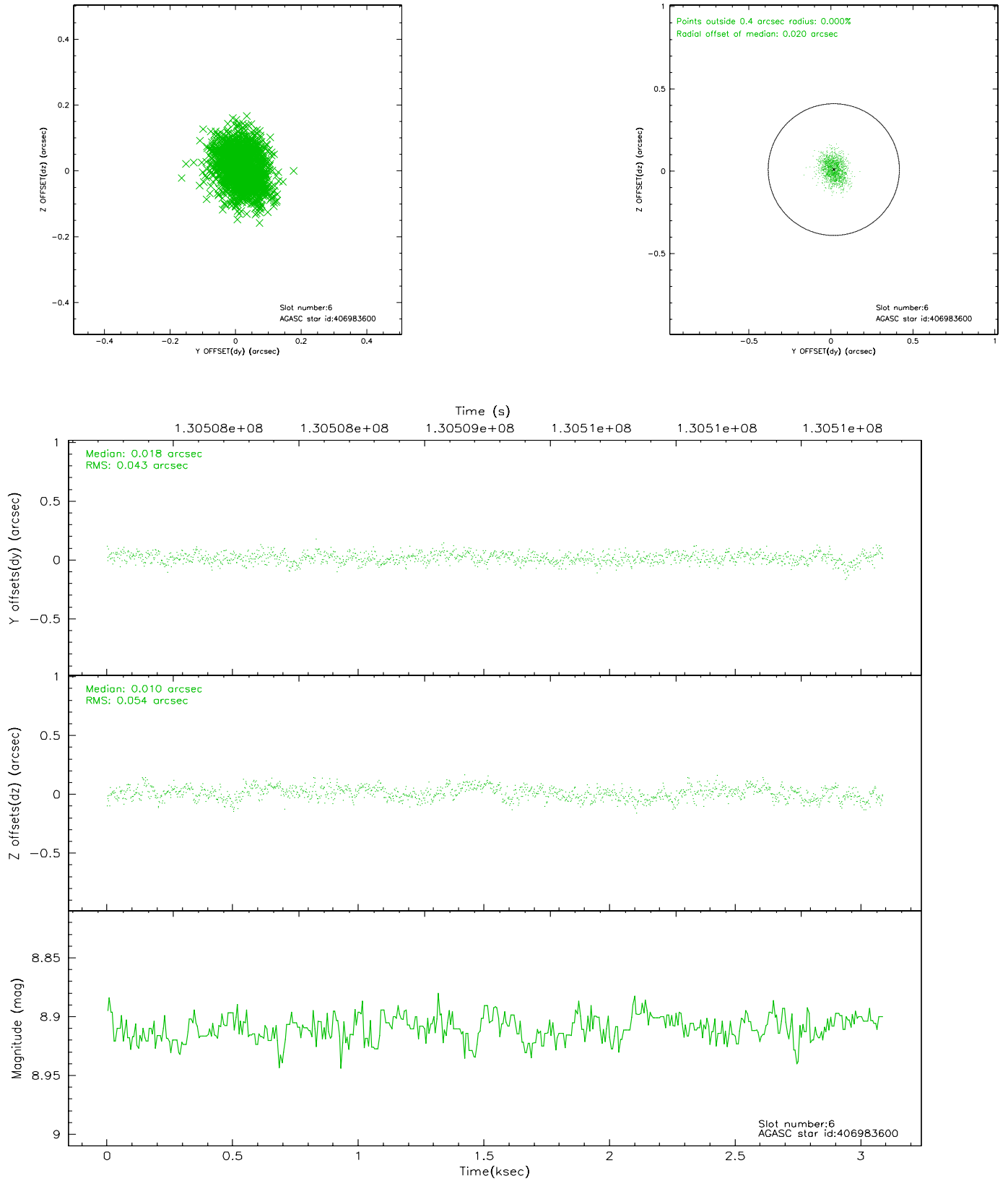
2.4.2 Slot 4



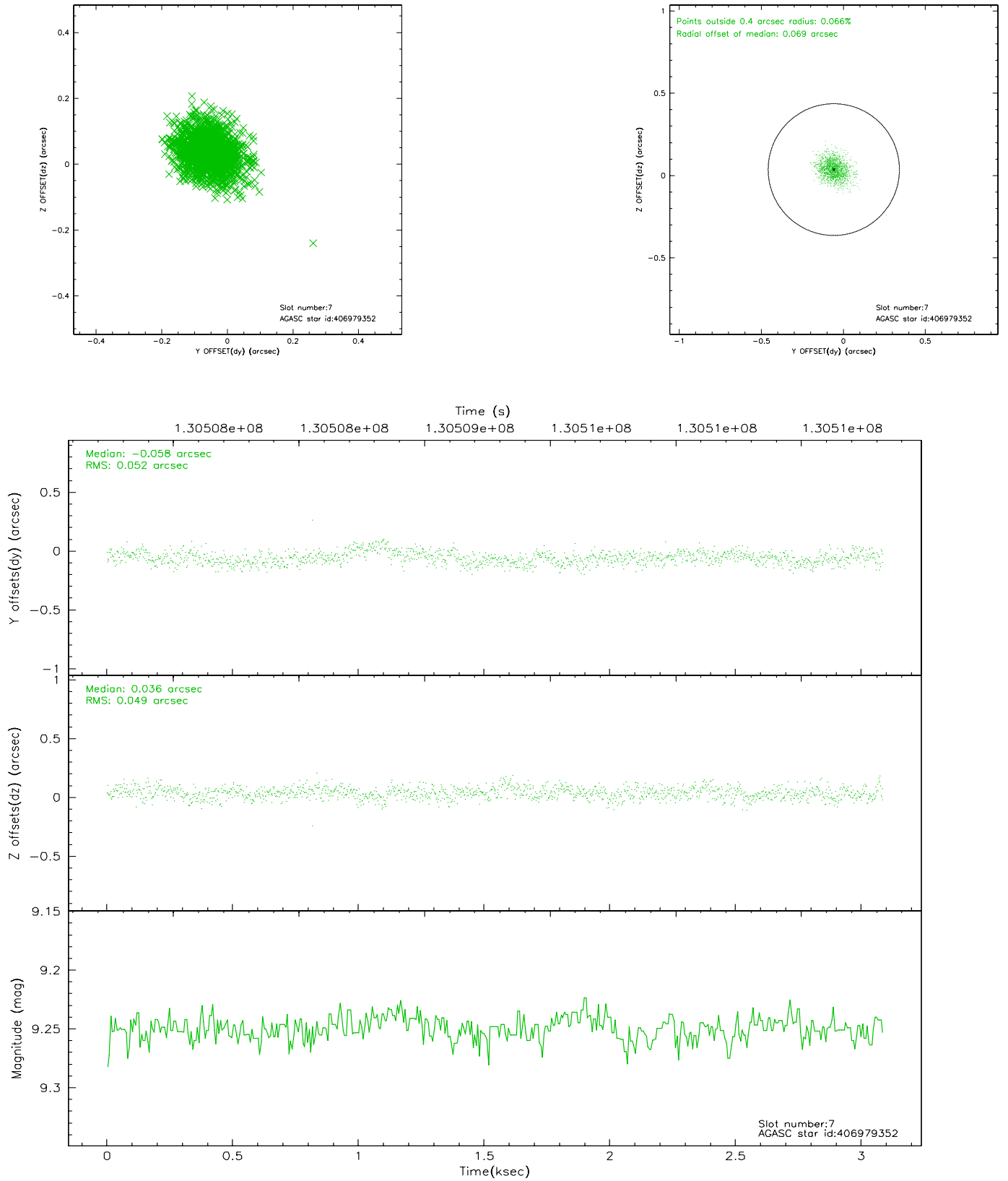
2.4.3 Slot 5



2.4.4 Slot 6

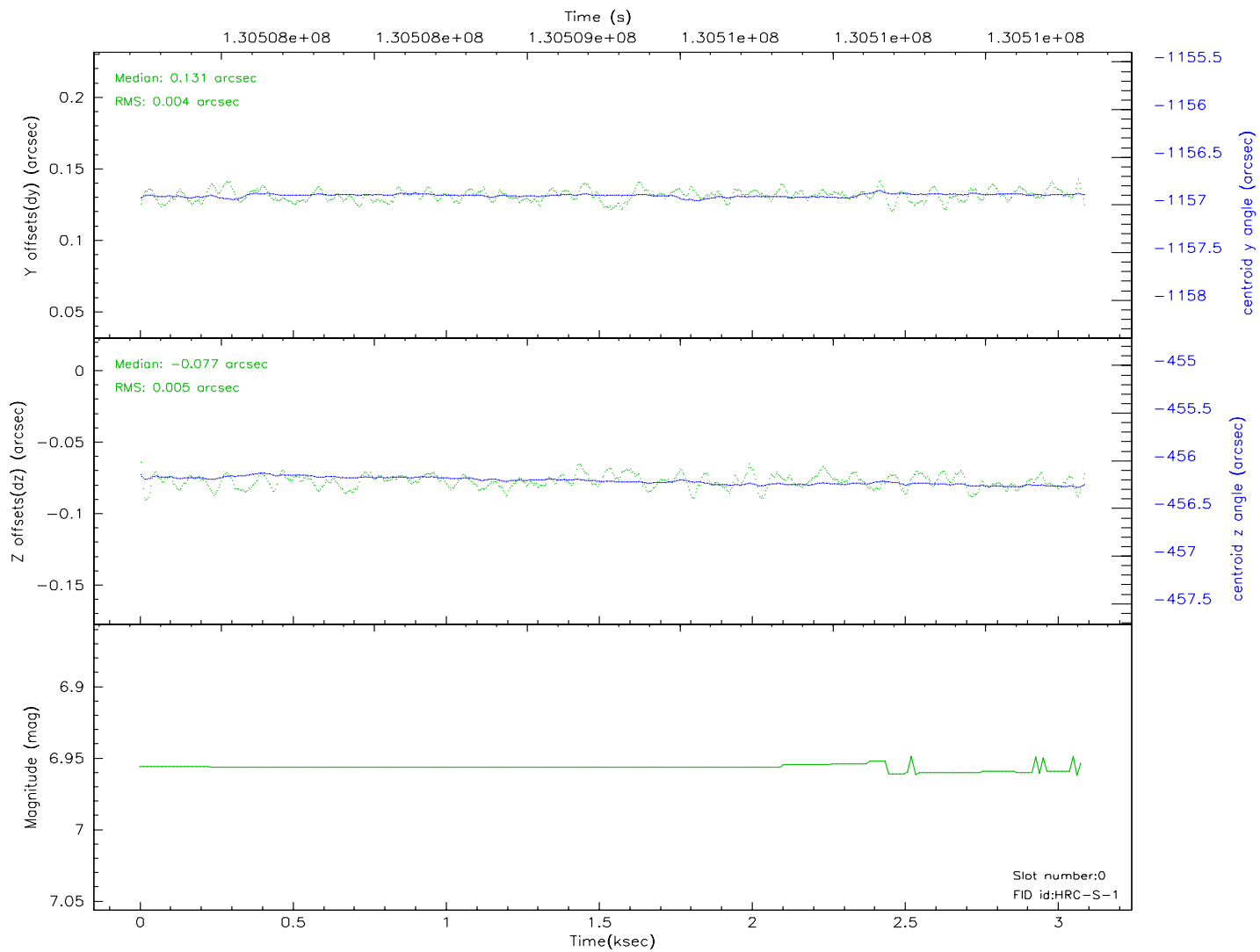
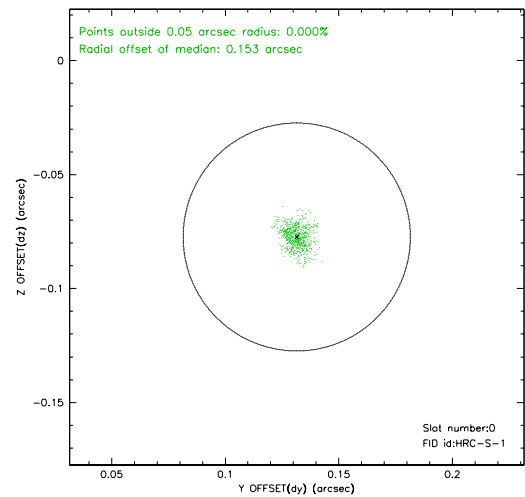
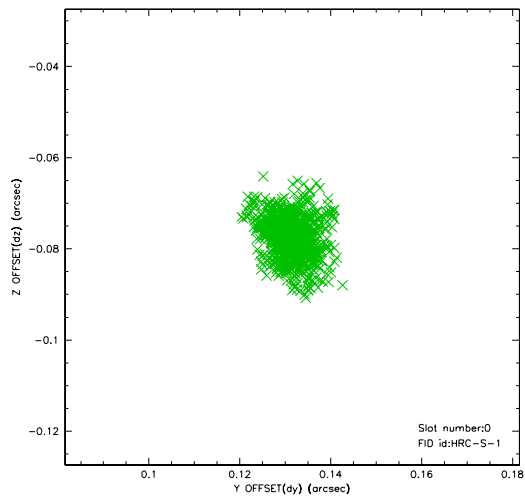


2.4.5 Slot 7

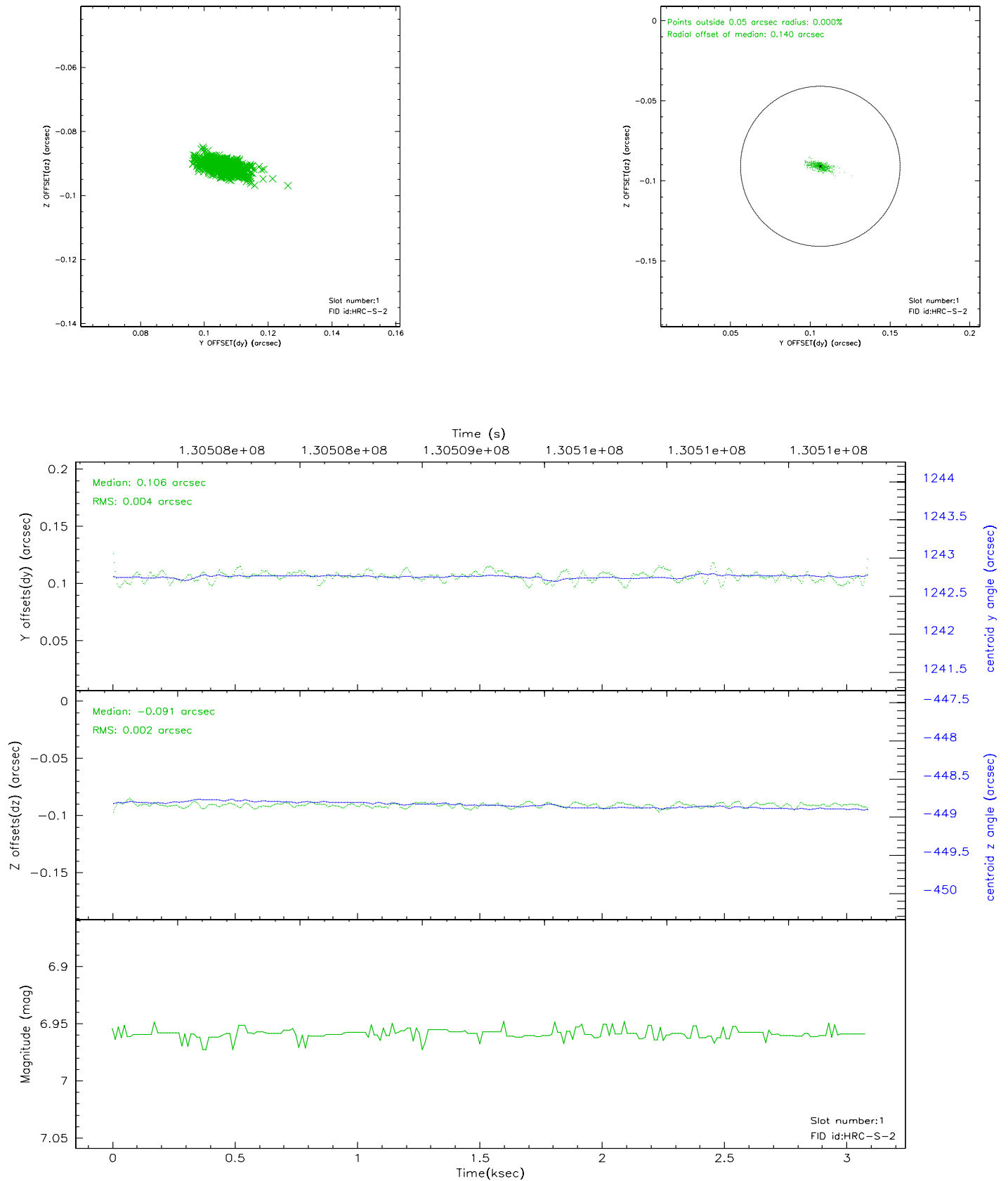


2.5 FID Slots

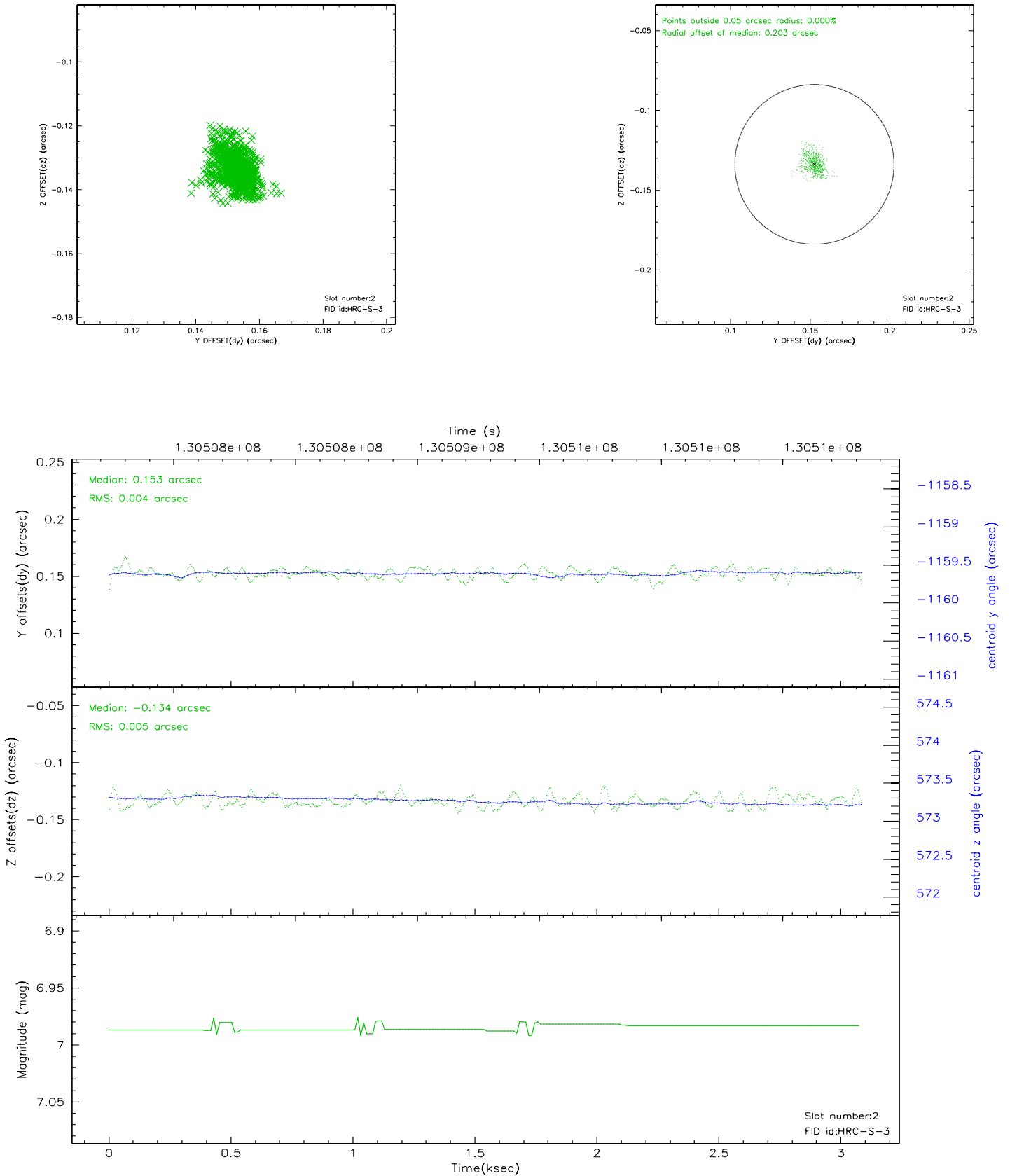
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.09.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.08

A.2 Comments

Window constraint met.

The chip and target are far off-axis; the source is at the corner of the chip. Because of this, internal reflections off of the detector fall onto the chip in this observation. The reflections are extended and asymmetric.