

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 2591 - L2 Version 001
Chandra X-Ray Center

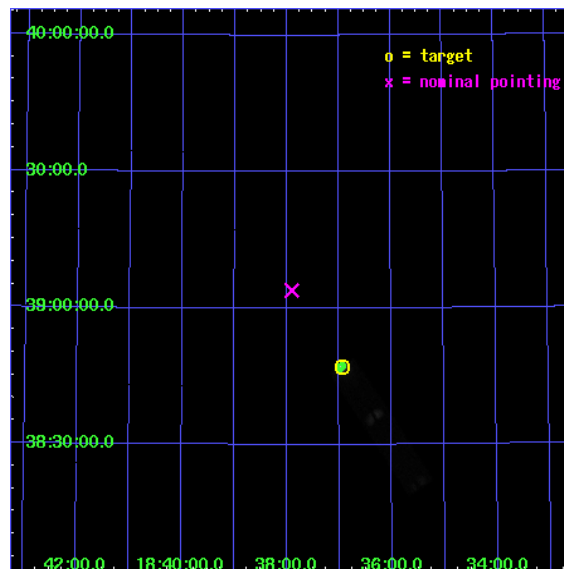
L2 Processing Date : Sep 2 2006

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

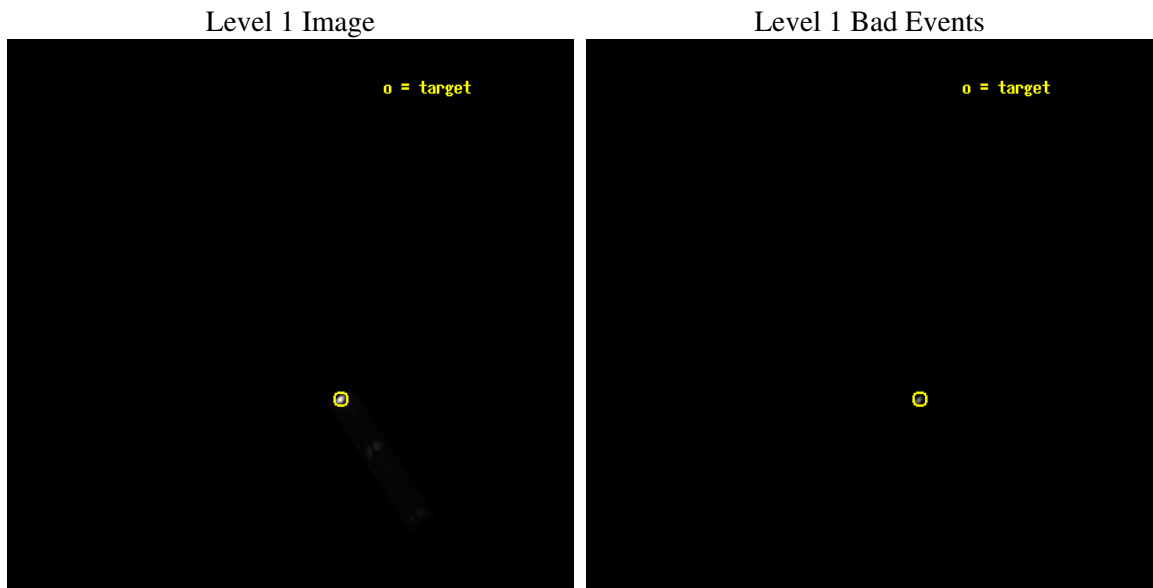
seq_num	290147
obs_id	2591
title	AO3 CALIBRATION OBSERVATIONS OF VEGA
observer	Dr. CXC Calibration
object	VEGA
ra_targ	279.235
dec_targ	38.783778
ra_nom	279.47500011737
dec_nom	39.065381232325
roll_nom	56.469144633683
revision	2
ontime	3041.4313728064
livetime	1147.100460816
l2events	477784



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	2006-09-02T12:45:34
revision	2

sched_exp_time	2900.000000
ontime	3089.6063747704
l1events	605979

2.1.3 Events

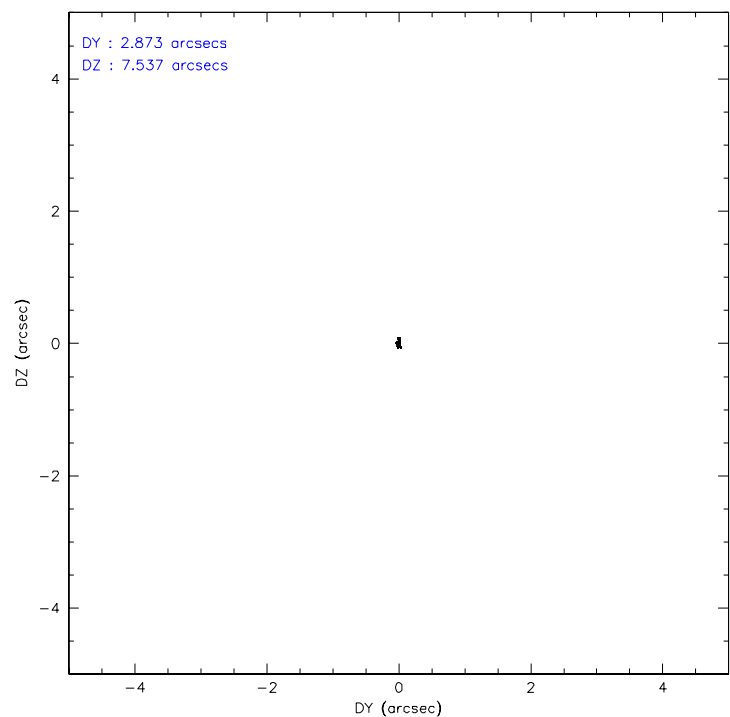
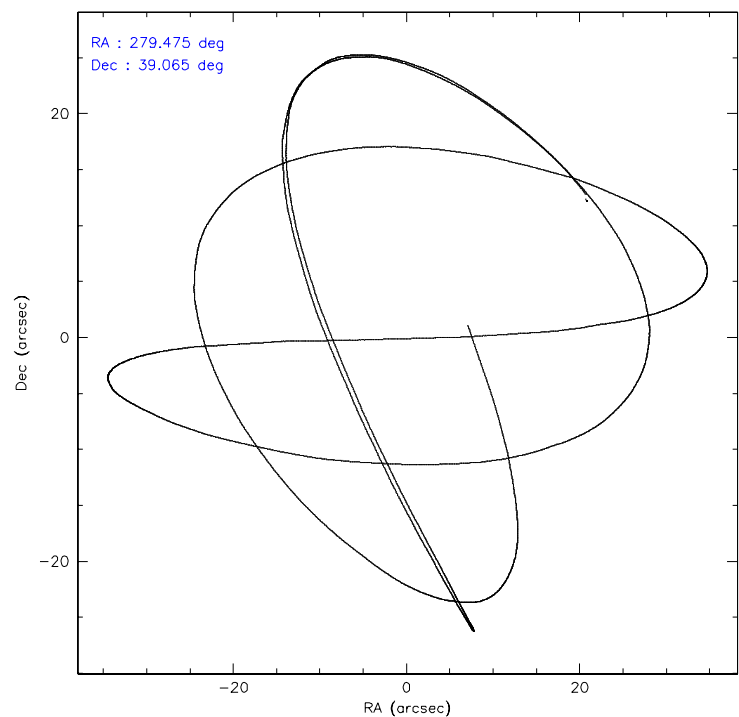
Level 1 Events

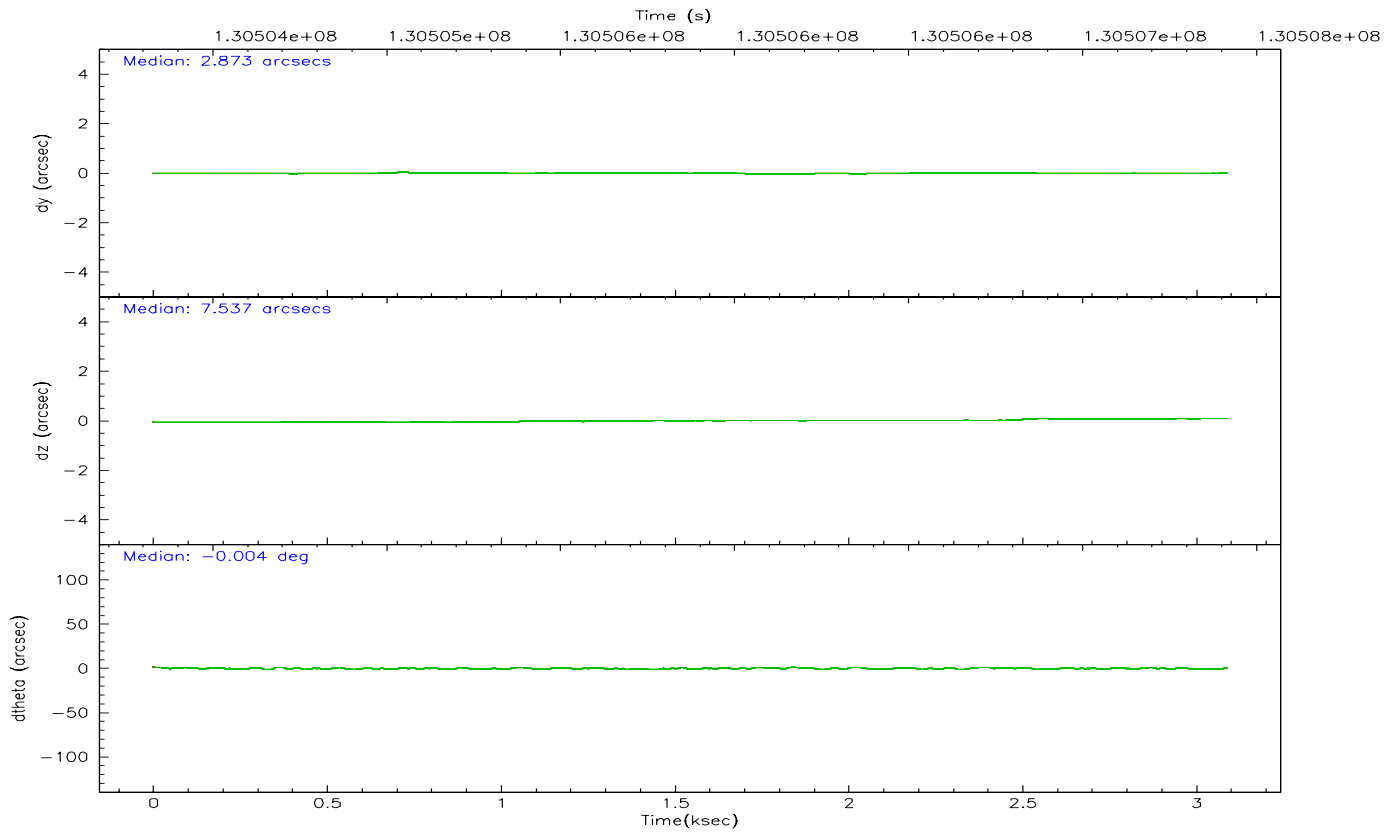
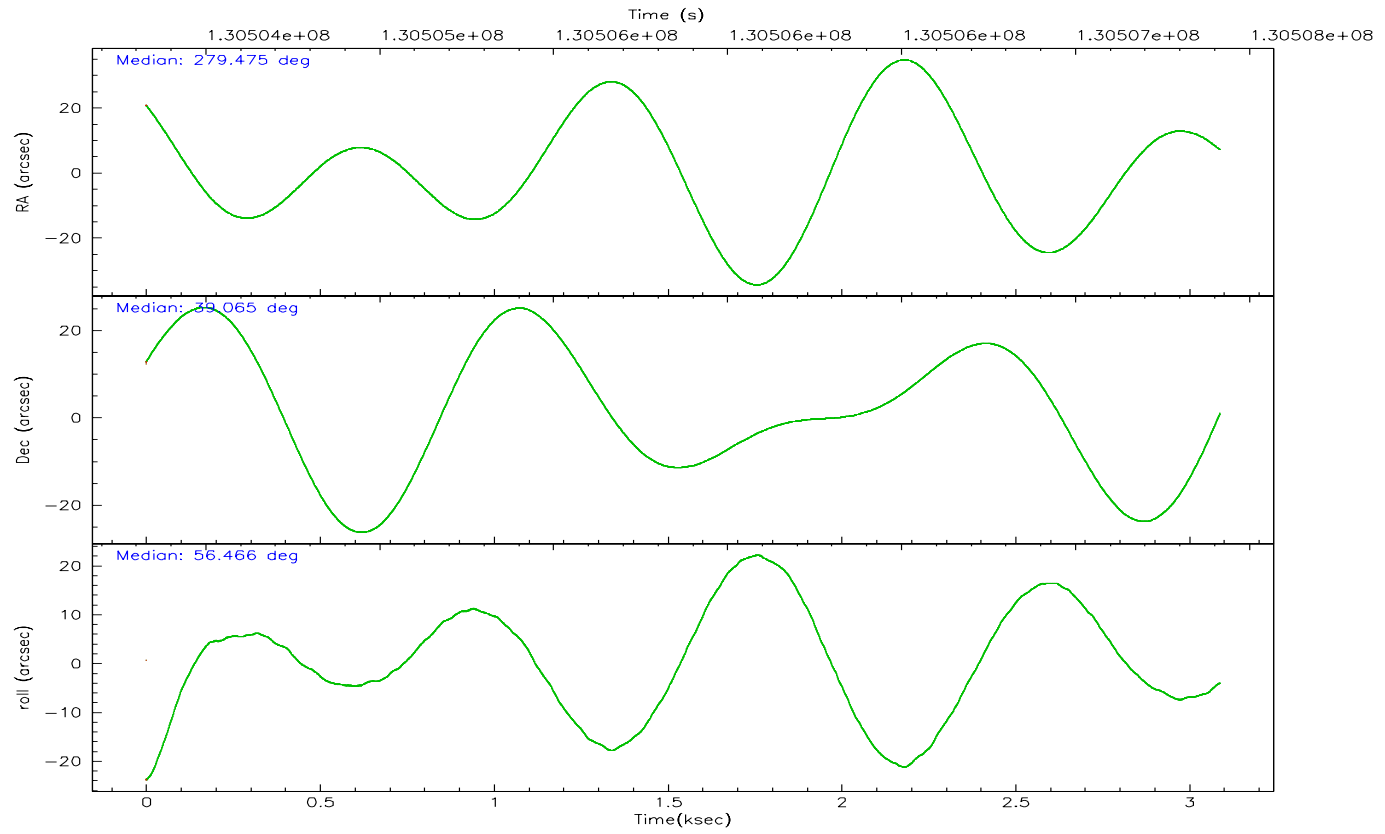
	segment 1	segment 2	segment 3
level 1 events	591785	13768	426
rejected events	40774	13737	426
rejected %	6%	99%	100%

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	279.474649	279.4750001173698			
Pointing Dec	39.036893	39.065381232325			
Pointing Roll	56.402047	56.46914463368265			
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	130504515.184000	130504139.35898			
Observation start date	2002-02-19T11:14:11	2002-02-19T11:08:59			
Observation end time	130507415.184000	130507549.53412			
Observation end date	2002-02-19T12:02:31	2002-02-19T12:05:49			

2.3 Aspect



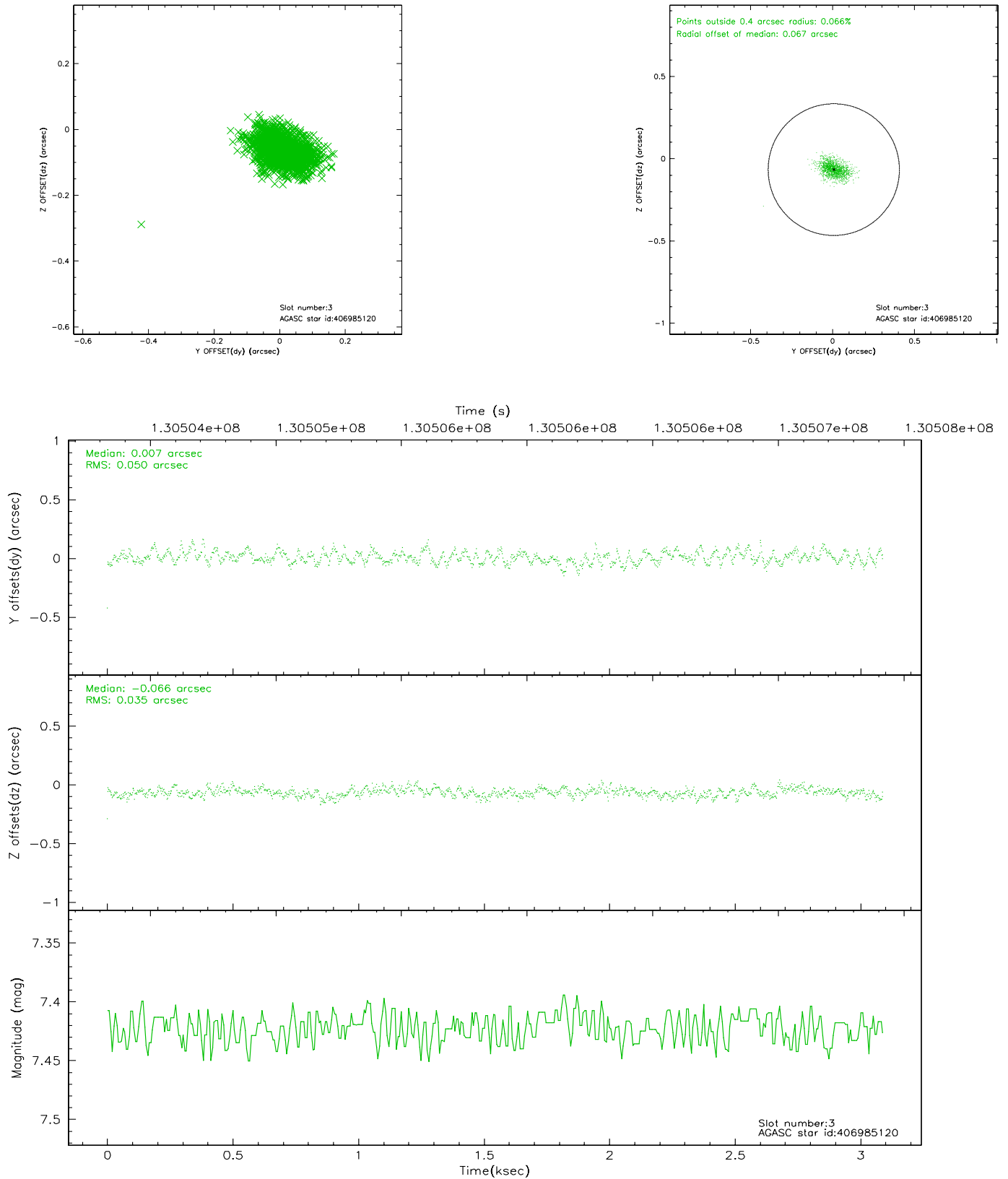


Slot Statistics

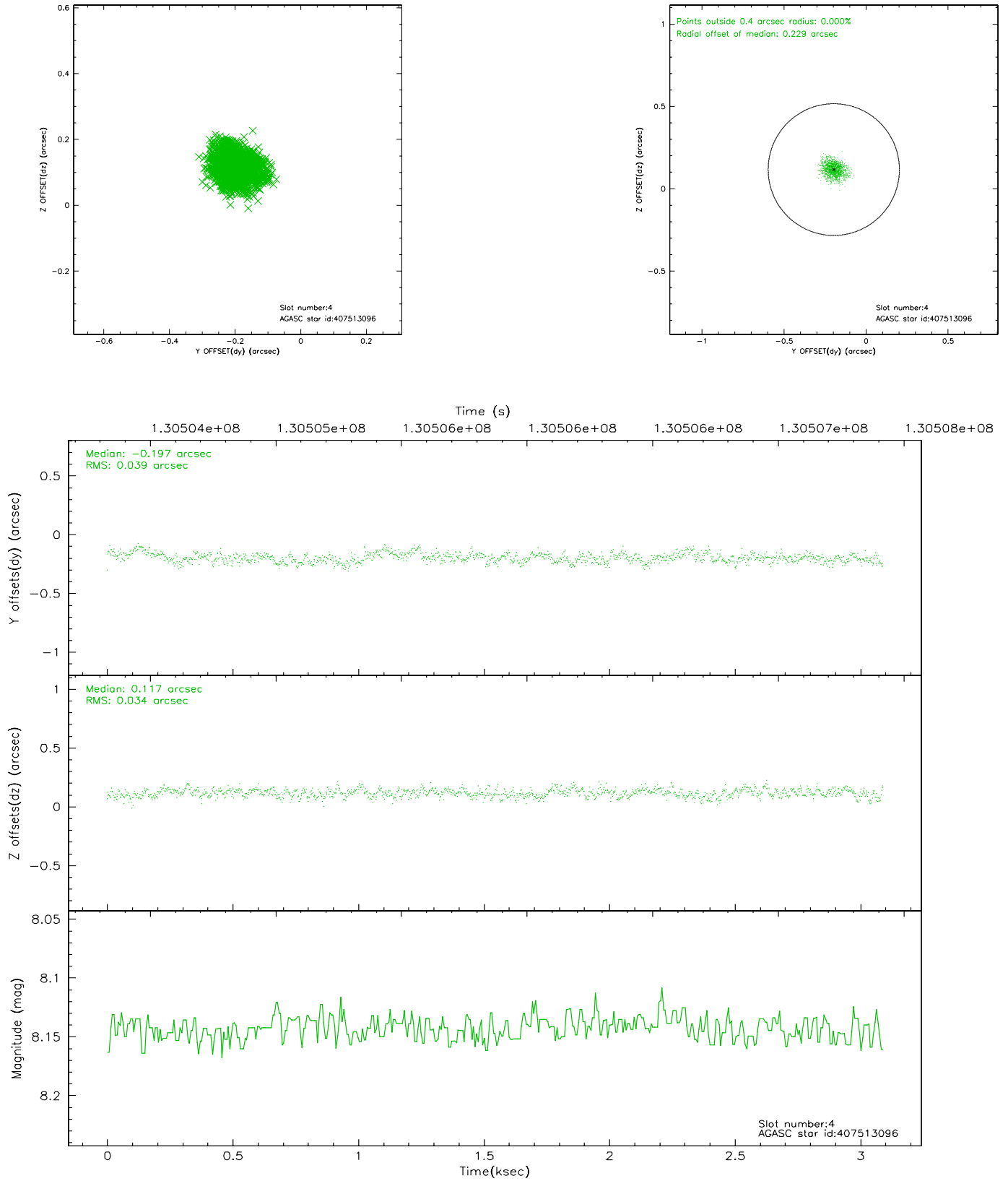
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.96	753	0.132	-0.081	0.006	0.010	0.000000	0.000000	-1156.90	-456.07
1	FID	HRC-S-2	6.96	753	0.108	-0.092	0.005	0.009	0.000000	0.000000	1241.22	-449.30
2	FID	HRC-S-3	6.99	754	0.150	-0.129	0.006	0.011	0.000000	0.000000	-1157.97	572.82
3	GUIDE	406985120	7.42	1508	0.007	-0.066	0.063	0.107	278.839732	38.894839	-1404.82	1202.15
4	GUIDE	407513096	8.14	1508	-0.197	0.117	0.055	0.090	279.928965	39.436841	1900.25	-252.56
5	GUIDE	406983600	8.91	1508	0.009	0.013	0.063	0.107	279.940957	39.020708	677.71	-1117.03
6	GUIDE	407521232	8.64	1508	0.077	-0.121	0.066	0.107	279.628883	39.431715	1422.48	428.82
7	GUIDE	406989616	8.23	1507	0.104	0.056	0.056	0.095	279.202881	38.520843	-1968.52	-389.53

2.4 Star Slots

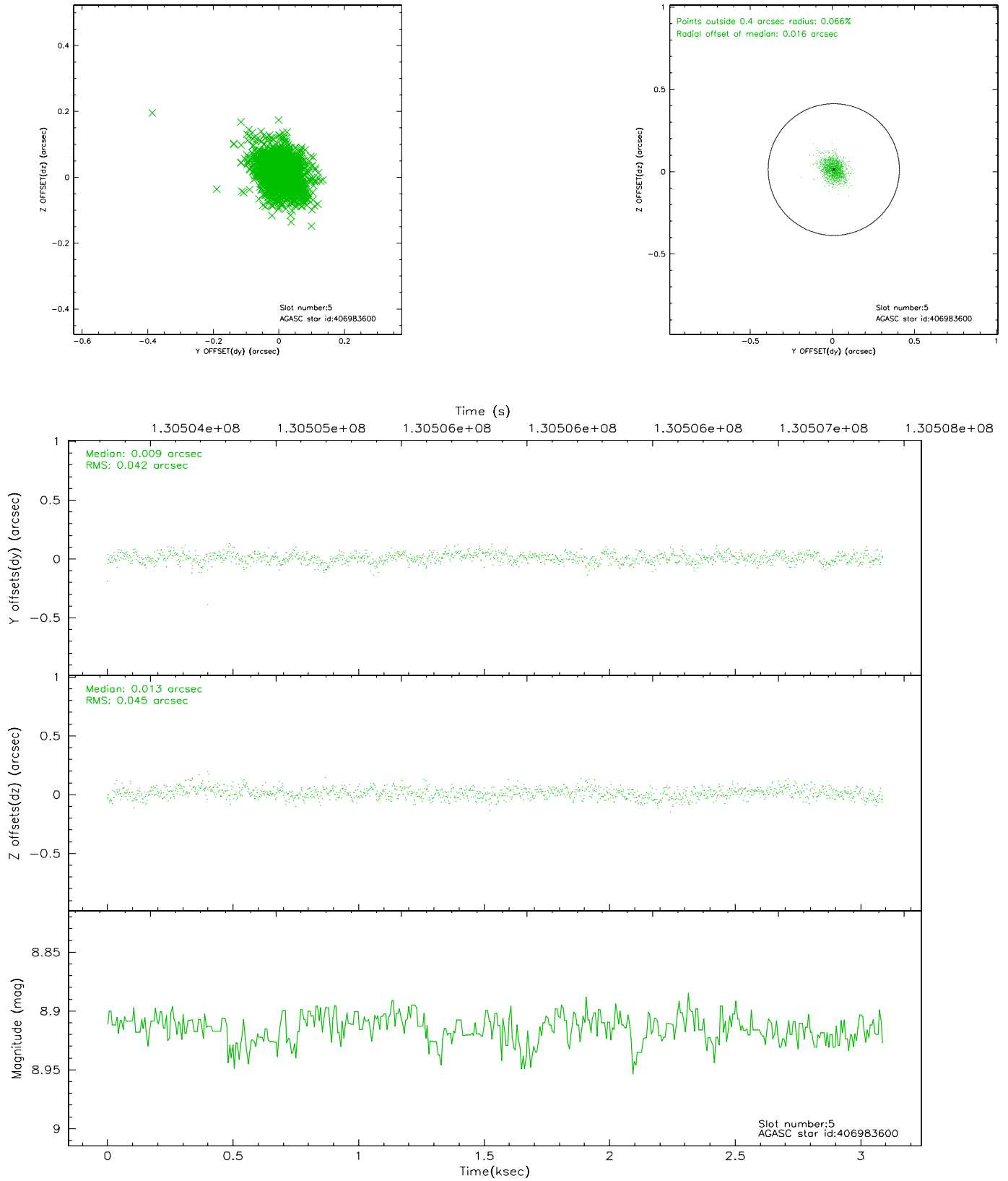
2.4.1 Slot 3



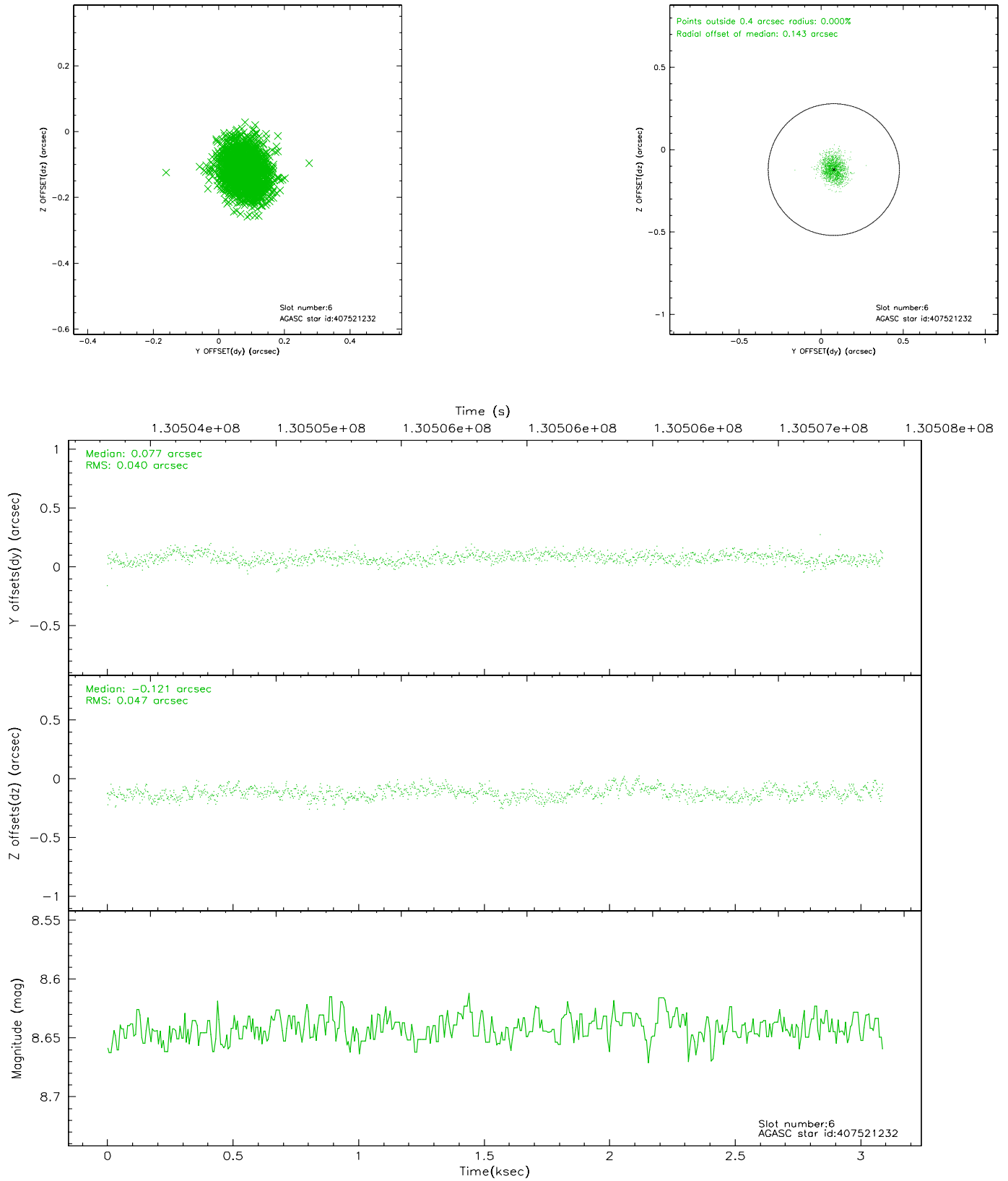
2.4.2 Slot 4



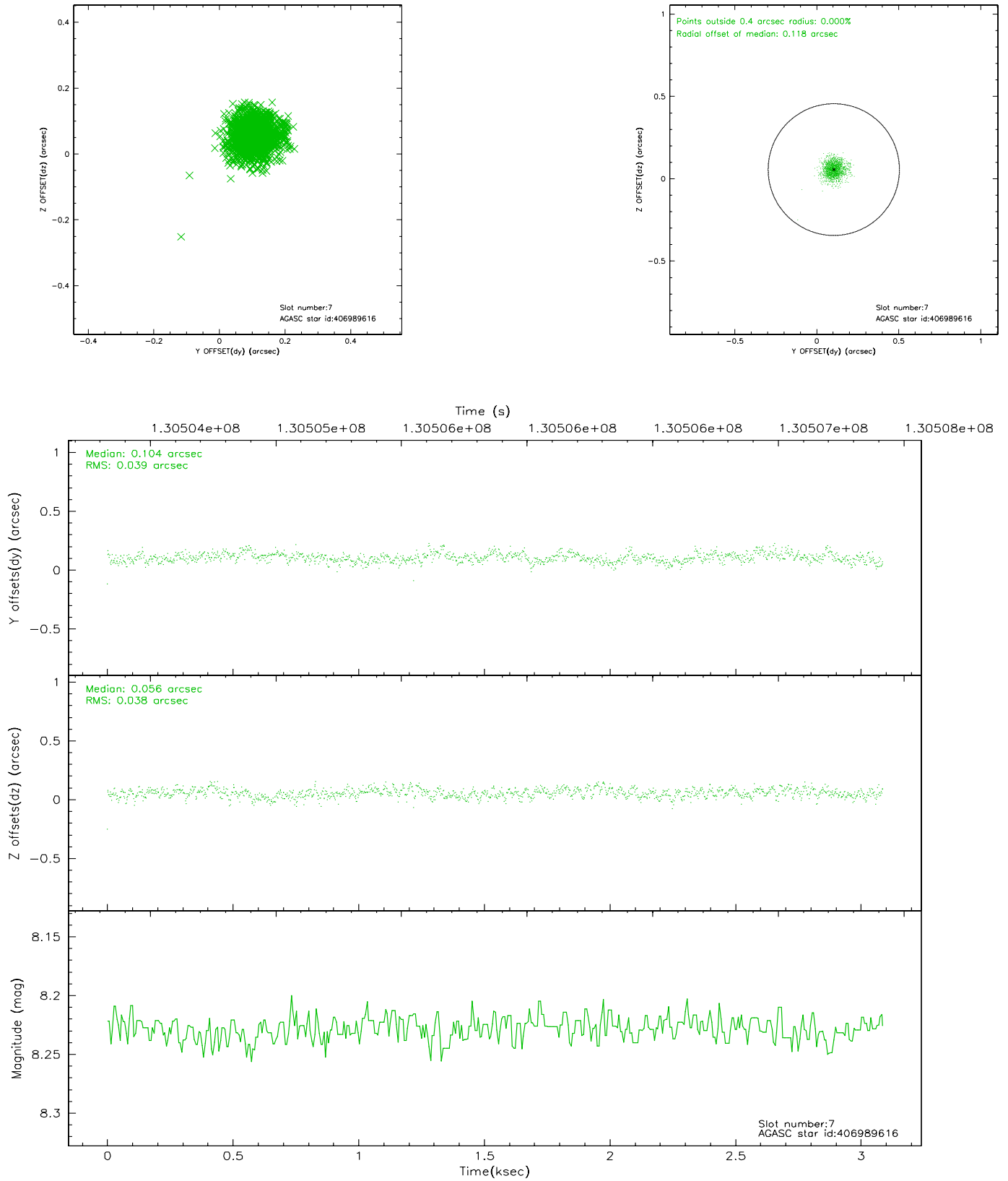
2.4.3 Slot 5



2.4.4 Slot 6

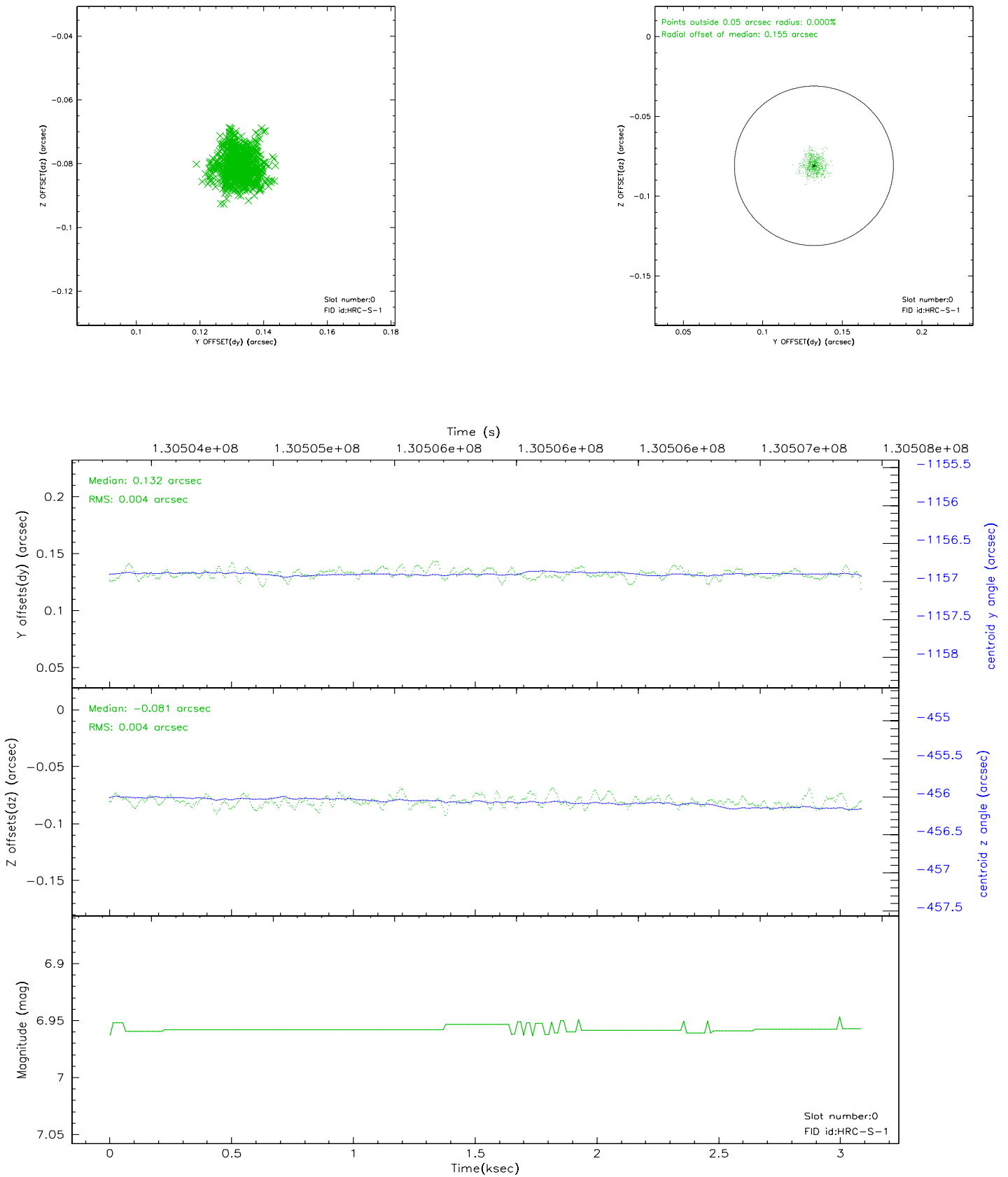


2.4.5 Slot 7

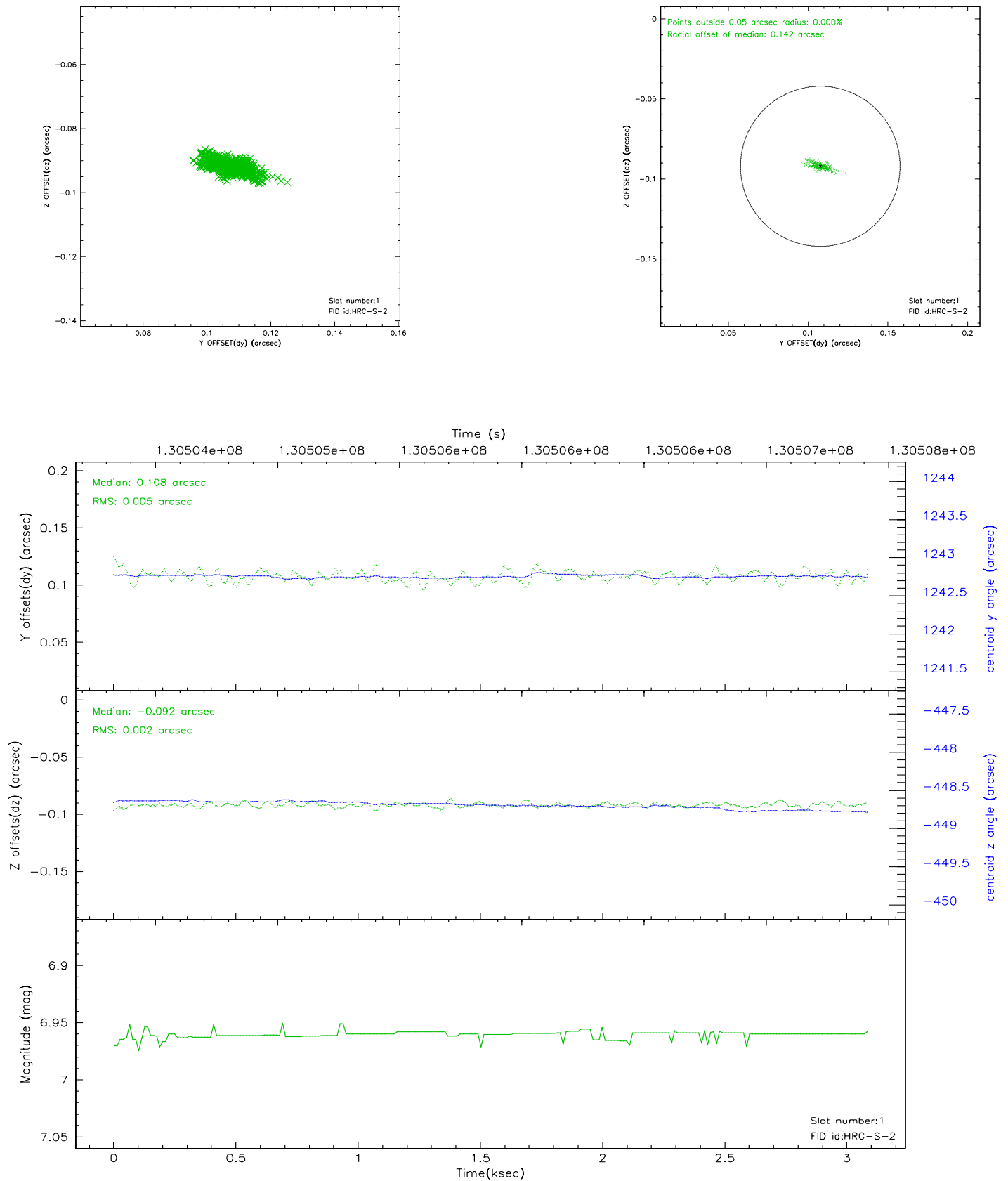


2.5 FID Slots

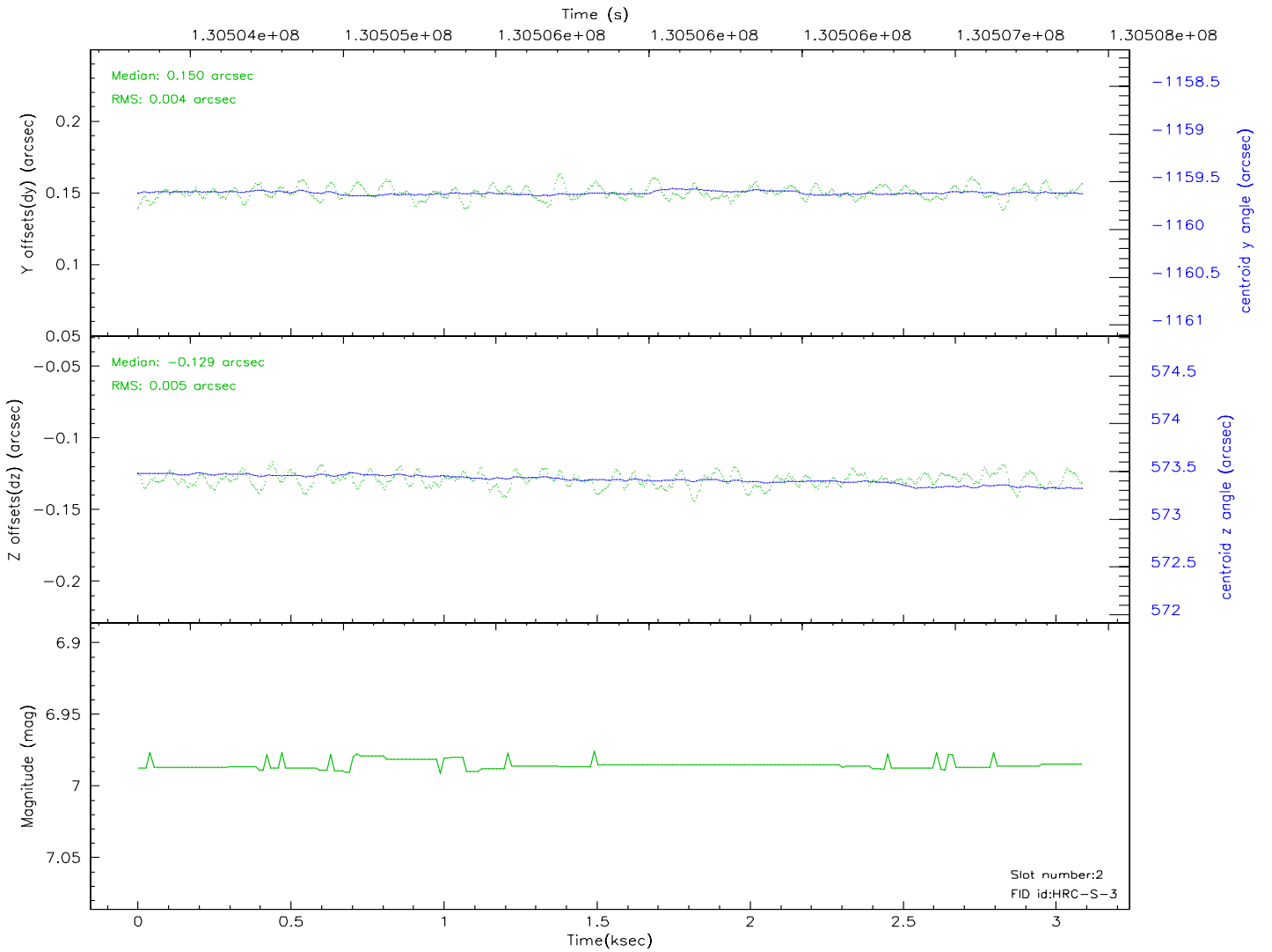
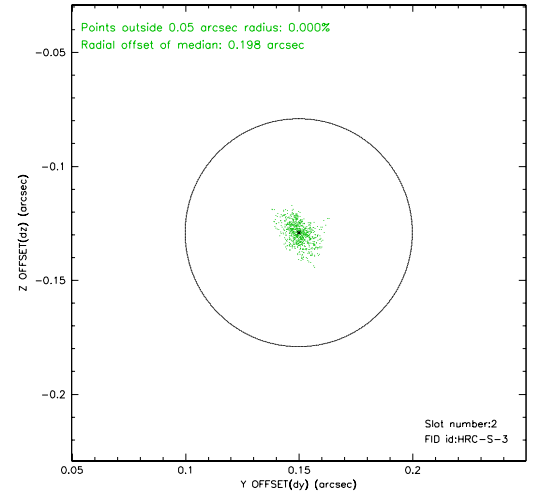
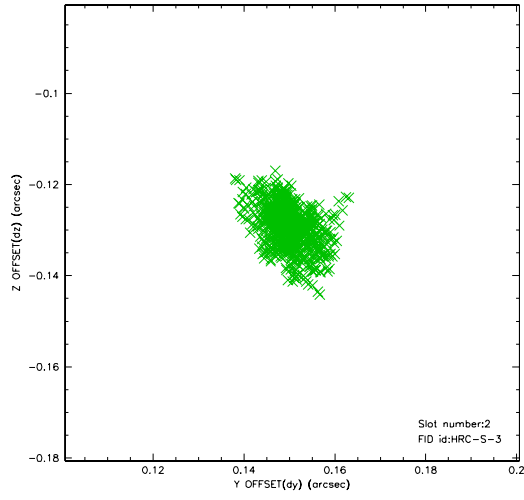
2.5.1 Slot 0



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	3.078

A.2 Comments

Window constraint met.

The chip and target are far off-axis; the source is therefore extended. Additionally, internal reflections off of the detector fall onto the chip.