

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 3691 - L2 Version 001
Chandra X-Ray Center

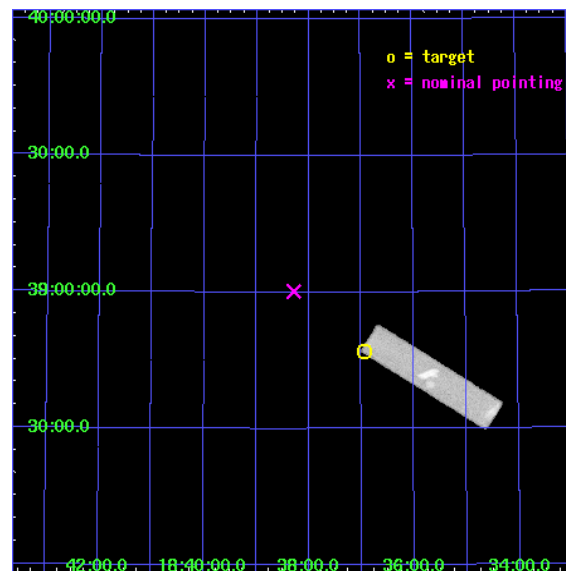
L2 Processing Date : Jul 19 2006

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

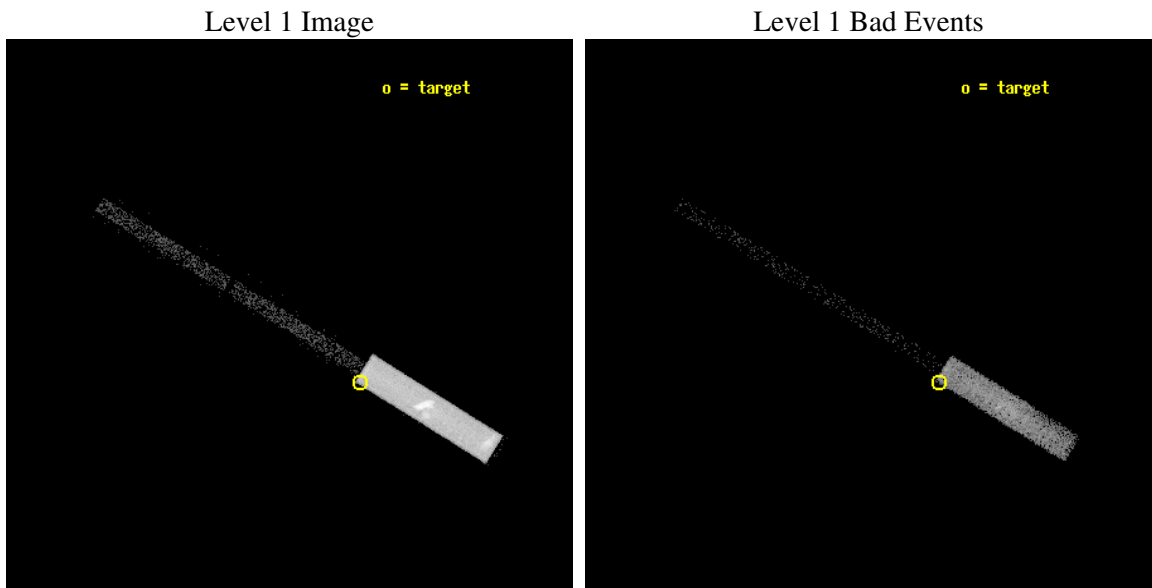
seq_num	290245
obs_id	3691
title	AO4 MEASUREMENTS OF THE OPTICAL/UV TRANSMISSION OF THE HRC AND ACIS FILTERS
observer	Dr. CXC Calibration
object	VEGA
ra_targ	279.235
dec_targ	38.783778
ra_nom	279.57084805908
dec_nom	39.003799440521
roll_nom	31.631701567095
revision	2
ontime	2143.5313398838
livetime	2133.4649922668
l2events	72316



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-07-19T13:46:29
revision	2

sched_exp_time	2000.000000
ontime	2187.6063417494
l1events	109031

2.1.3 Events

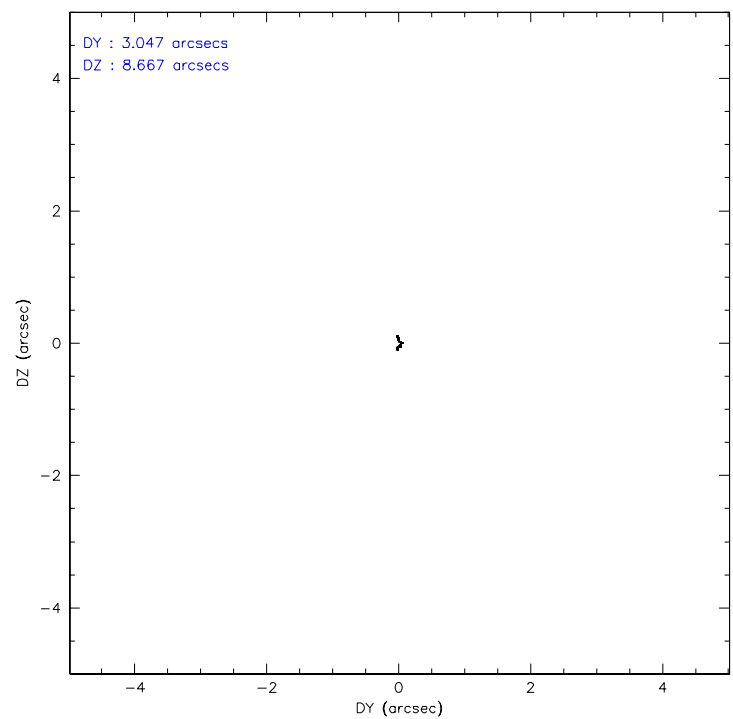
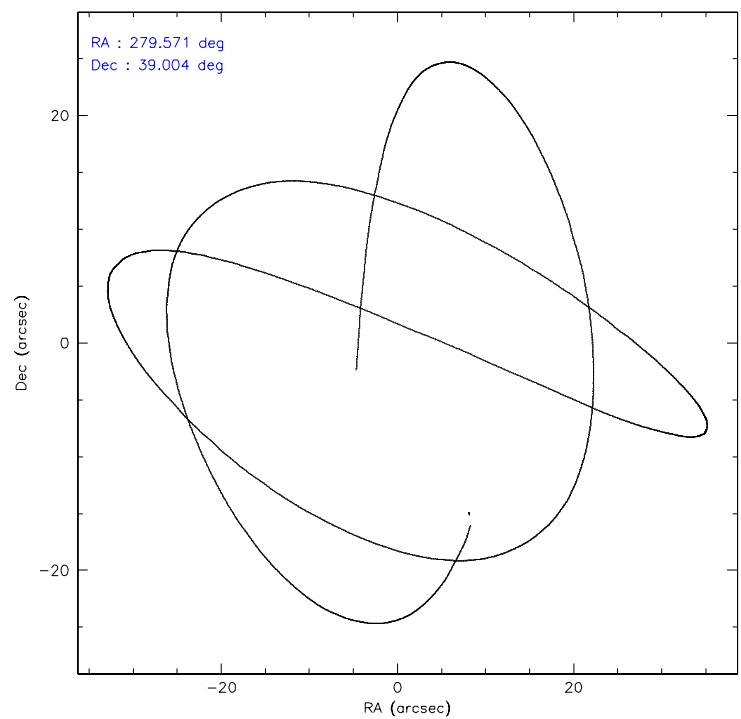
Level 1 Events

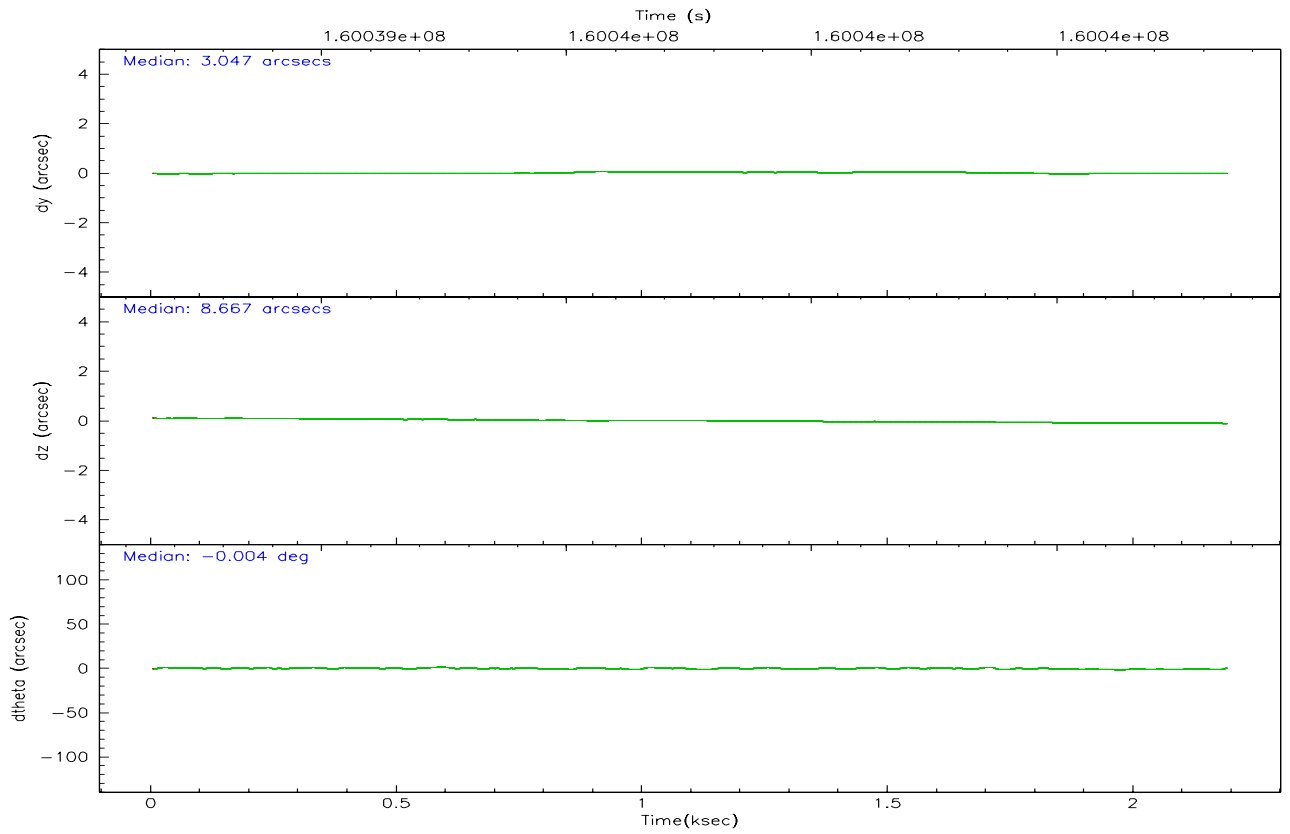
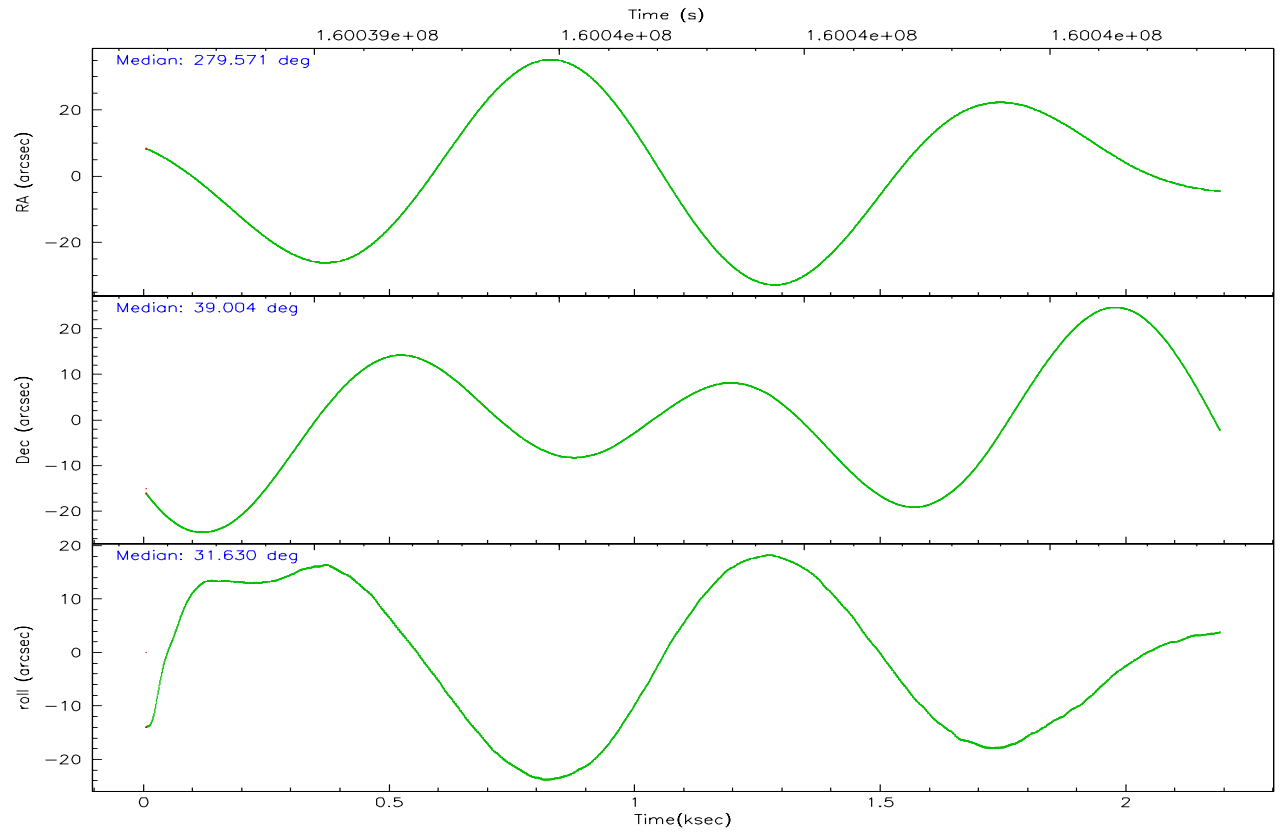
	segment 1	segment 2	segment 3
level 1 events	106799	1134	1098
rejected events	26485	1110	1098
rejected %	24%	97%	100%

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	279.555128	279.5708480590782			
Pointing Dec	38.977884	39.00379944052081			
Pointing Roll	31.574365	31.63170156709537			
Window start time	159019264.184000	159019264.184000			
Window stop time	161697664.184000	161697664.184000			
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	160038849.184000	160038473.14985			
Observation start date	2003-01-27T07:13:05	2003-01-27T07:07:53			
Observation end time	160040849.184000	160041103.81246			
Observation end date	2003-01-27T07:46:25	2003-01-27T07:51:43			

2.3 Aspect



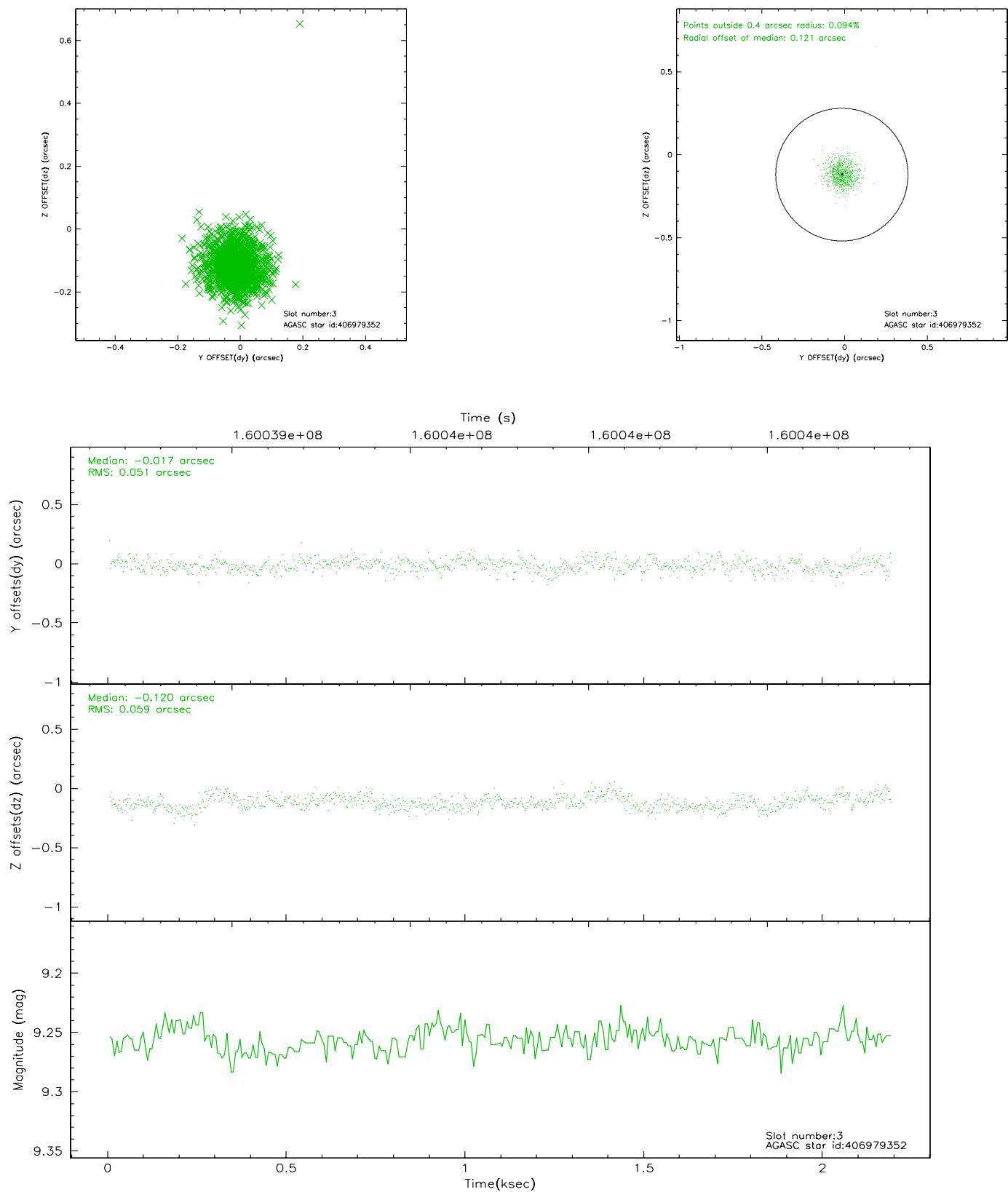


Slot Statistics

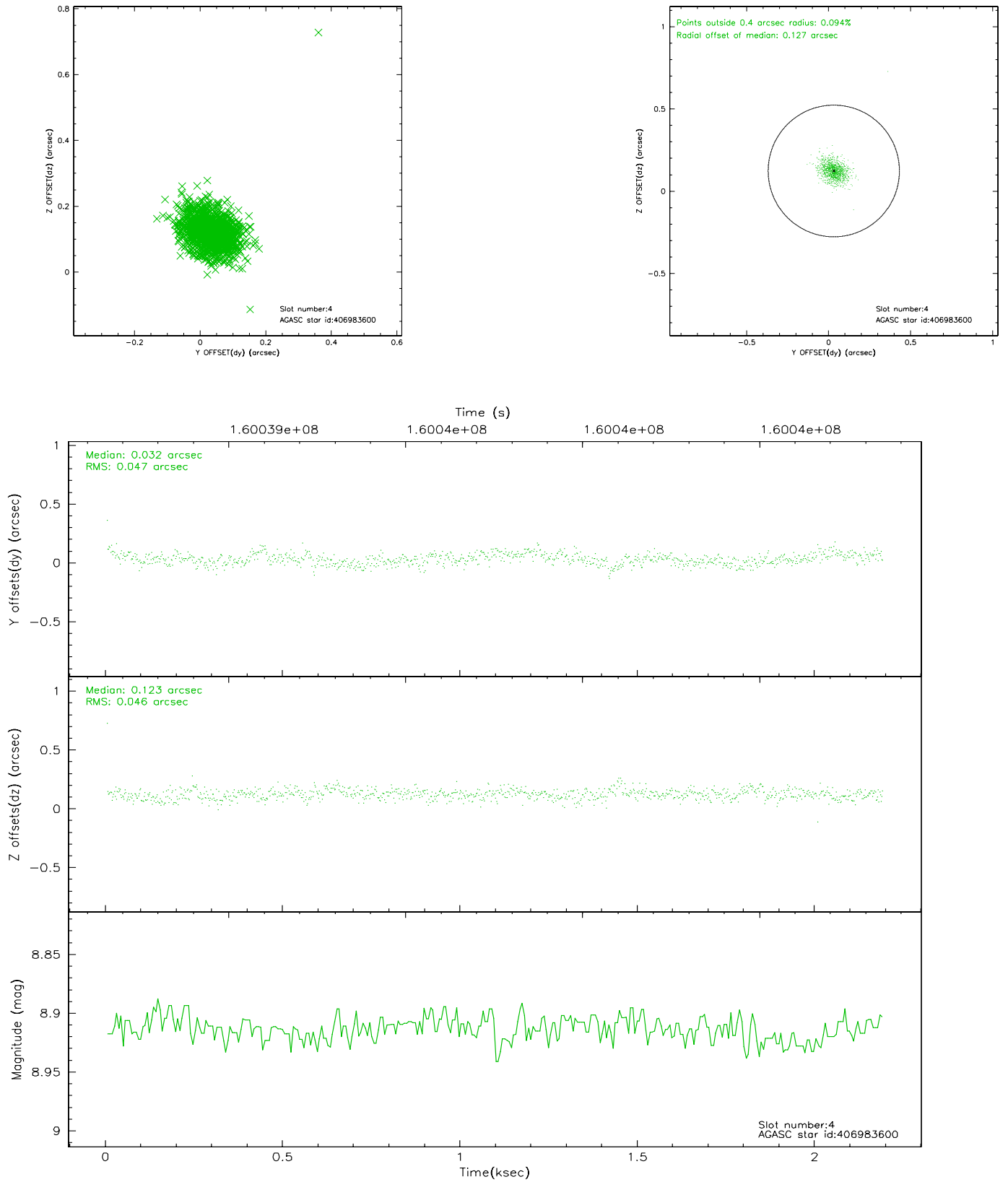
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.03	534	0.158	-0.132	0.007	0.012	0.000000	0.000000	-1157.06	-457.28
1	FID	HRC-S-2	7.02	534	0.087	-0.094	0.005	0.009	0.000000	0.000000	1240.38	-450.73
2	FID	HRC-S-3	7.05	534	0.145	-0.076	0.008	0.014	0.000000	0.000000	-1157.48	571.46
3	GUIDE	406979352	9.26	1067	-0.017	-0.120	0.078	0.131	279.968297	39.230258	1458.66	172.12
4	GUIDE	406983600	8.91	1065	0.032	0.123	0.066	0.107	279.940957	39.020708	1002.95	-432.13
5	GUIDE	406985120	7.42	1068	-0.010	-0.029	0.073	0.118	278.839732	38.894839	-1859.06	800.69
6	GUIDE	406989616	8.23	1068	0.062	0.083	0.063	0.105	279.202881	38.520843	-1707.27	-880.27
7	GUIDE	407521584	8.95	1061	-0.065	-0.057	0.086	0.131	279.676096	39.795417	1824.73	2331.13

2.4 Star Slots

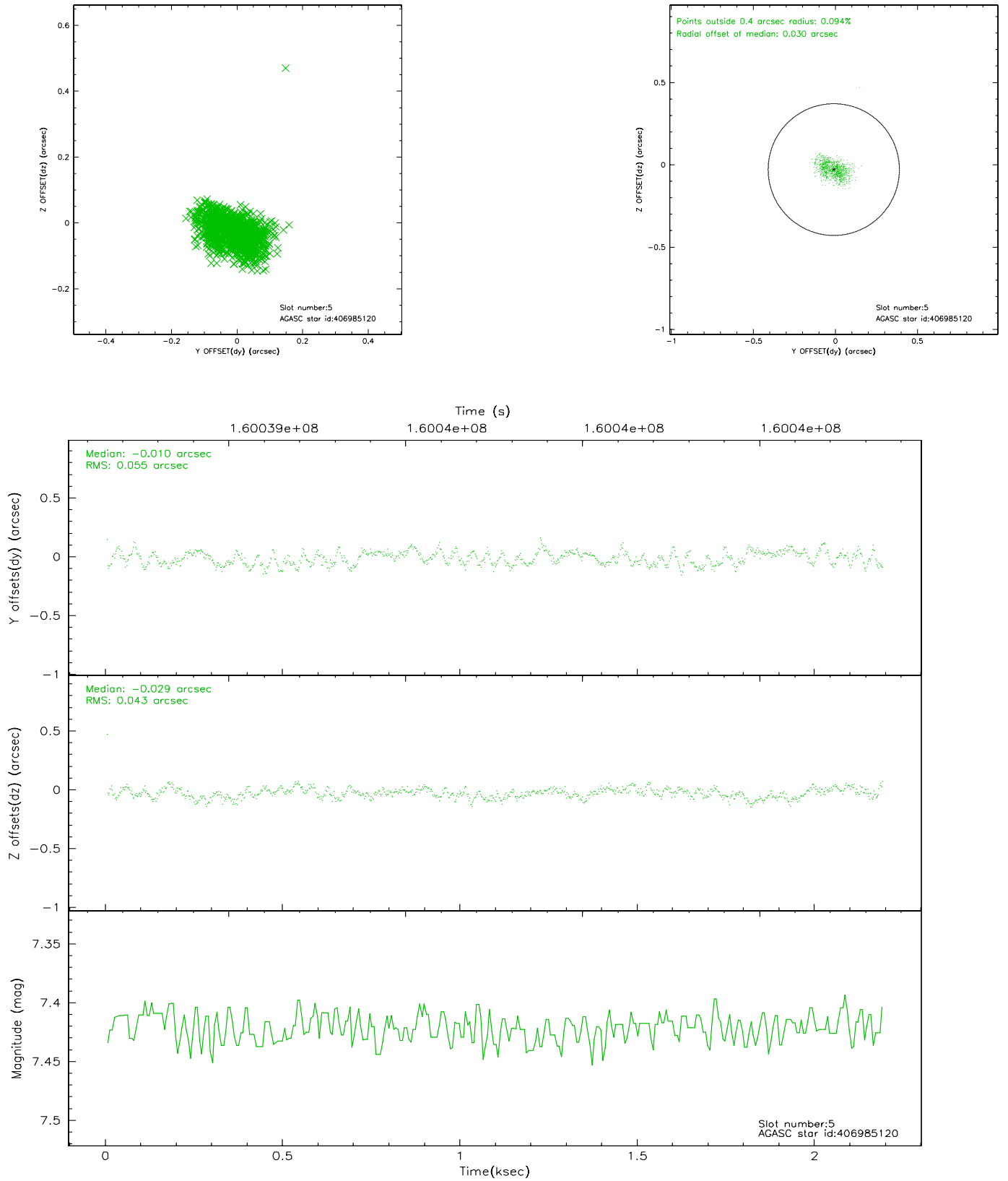
2.4.1 Slot 3



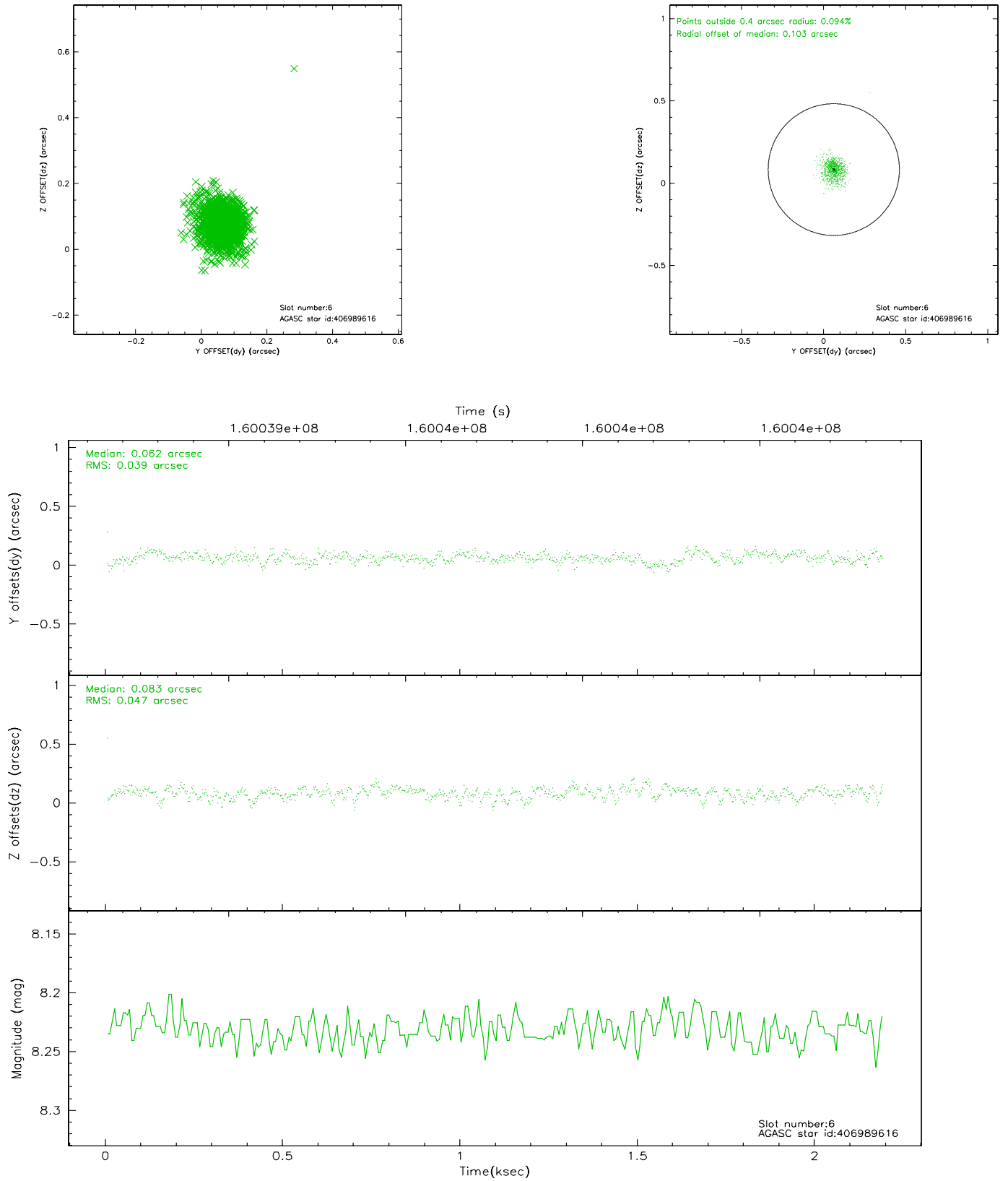
2.4.2 Slot 4



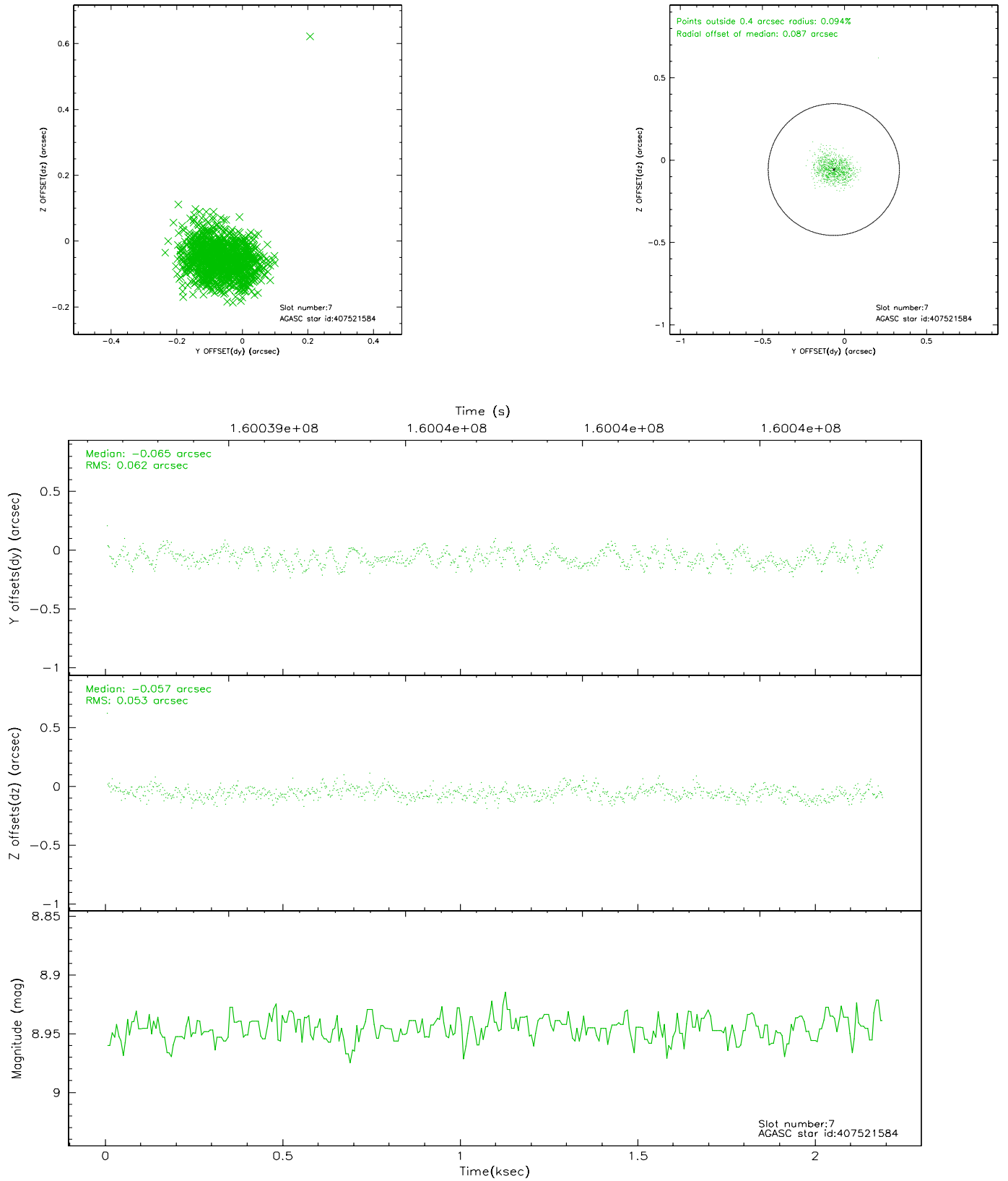
2.4.3 Slot 5



2.4.4 Slot 6

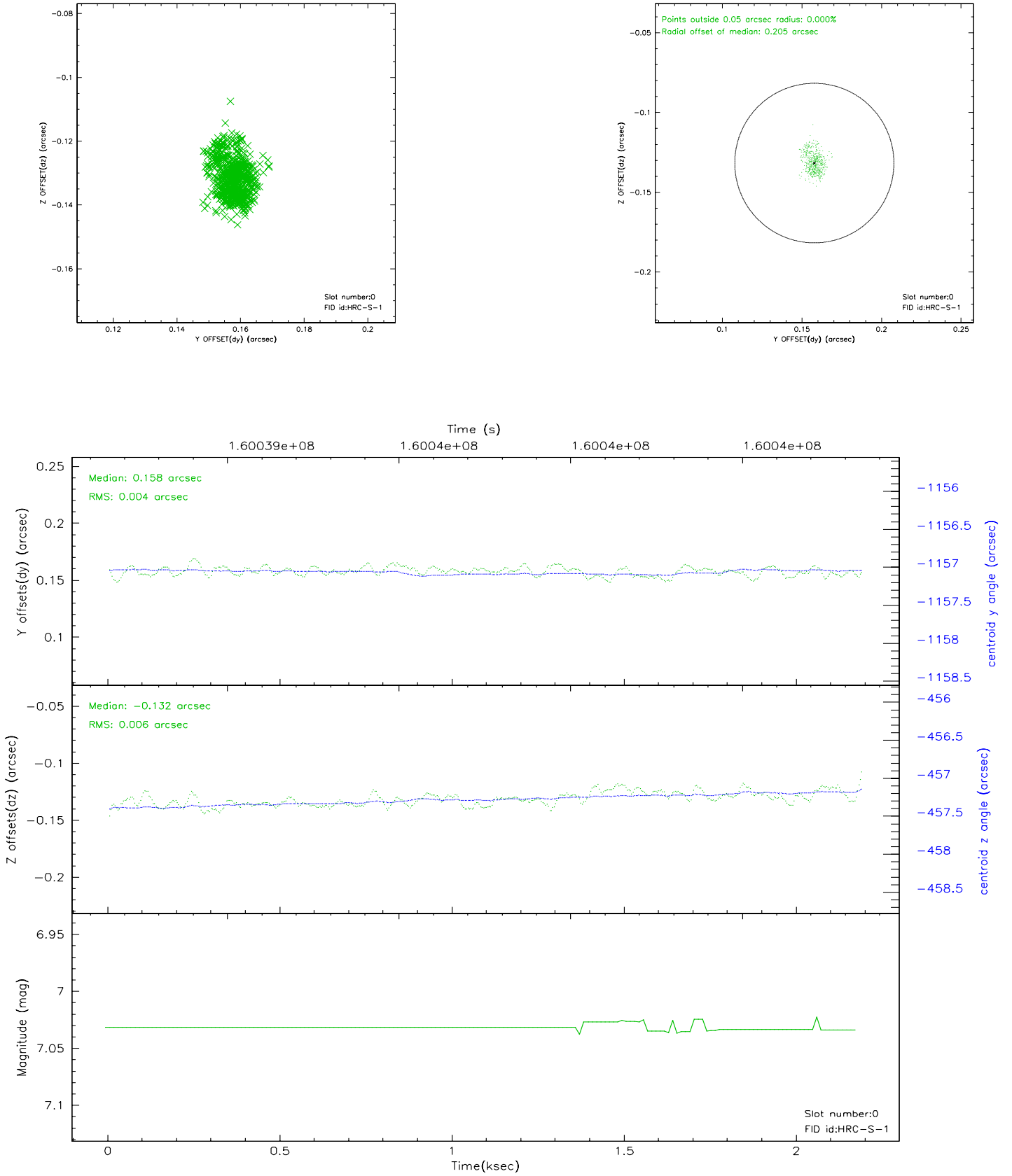


2.4.5 Slot 7

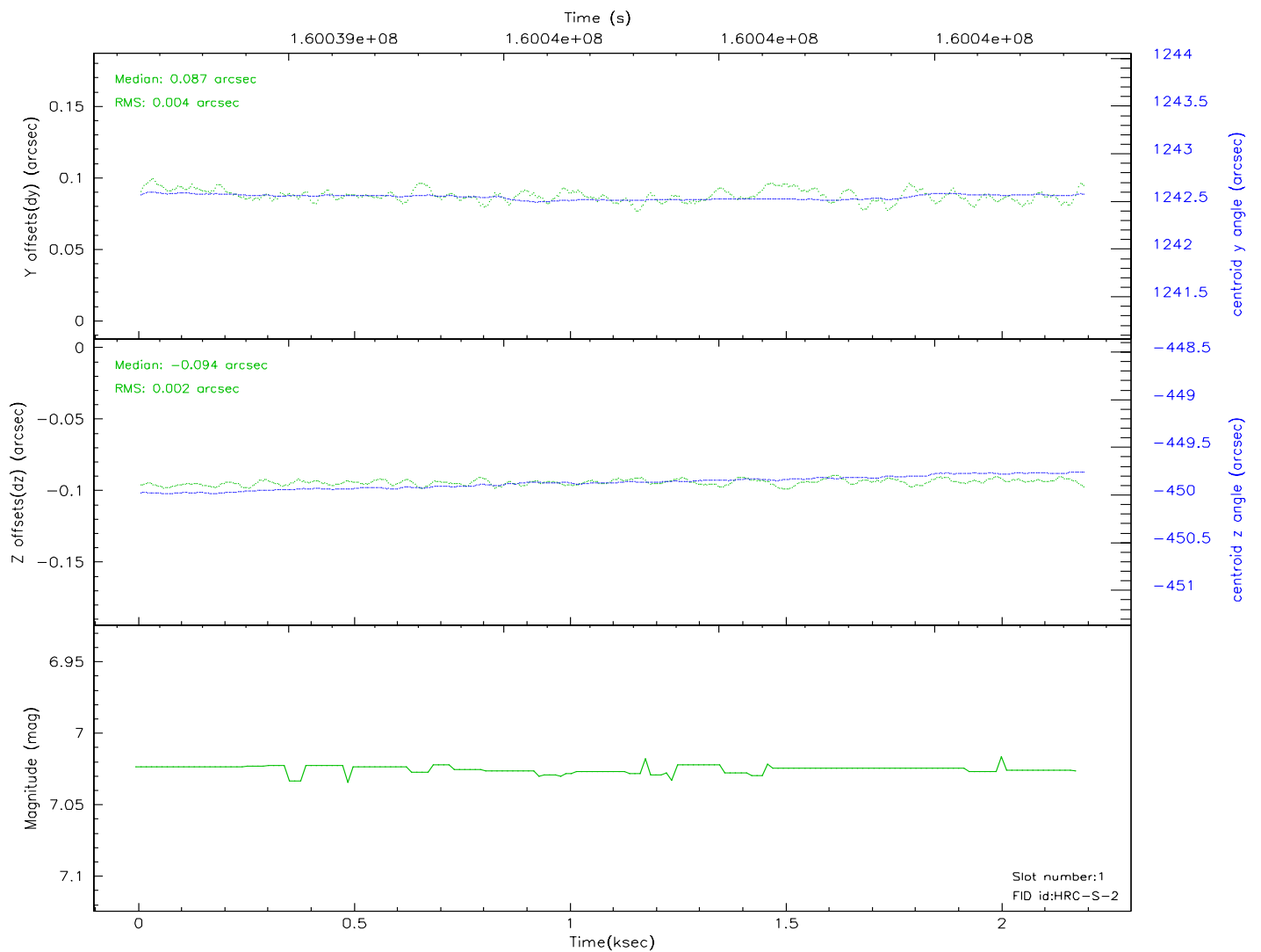
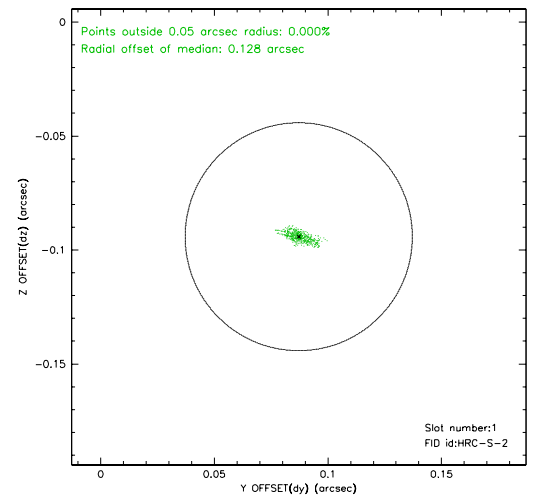
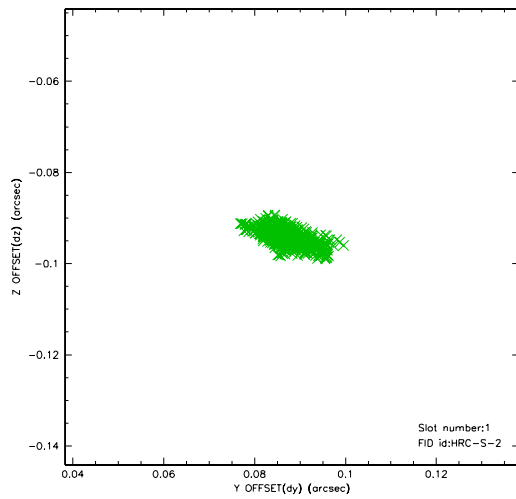


2.5 FID Slots

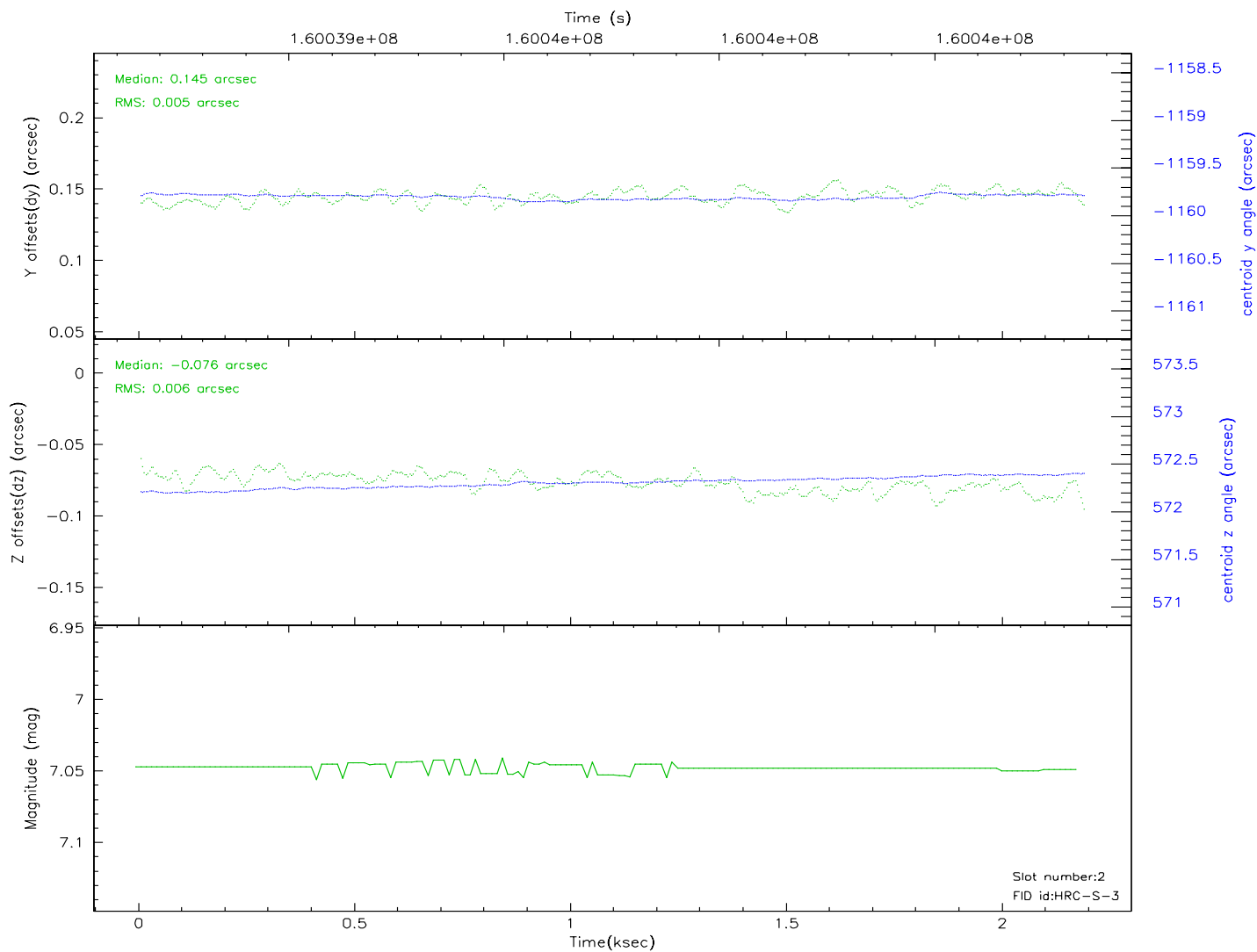
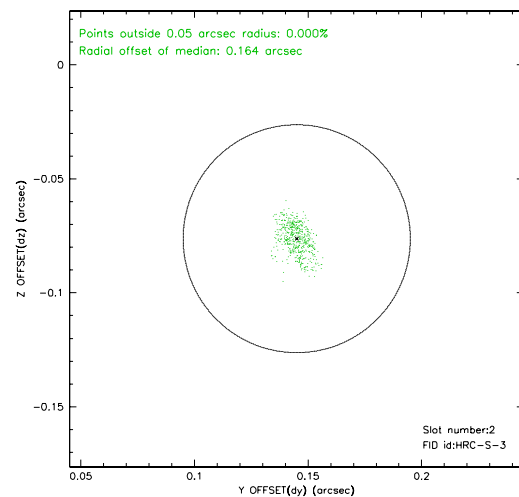
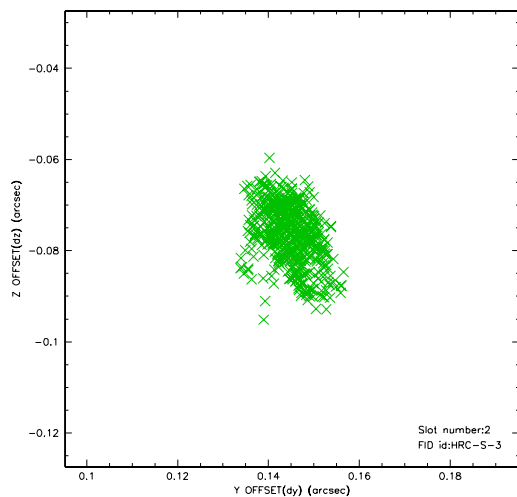
2.5.1 Slot 0



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)	2006.07.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.143

A.2 Comments

Window constraint met.

The detector is far off-axis. The source is also very near the edge of the chip. Internal reflections from the telescope also fall onto the chip.