

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1551 - L2 Version 001
Chandra X-Ray Center

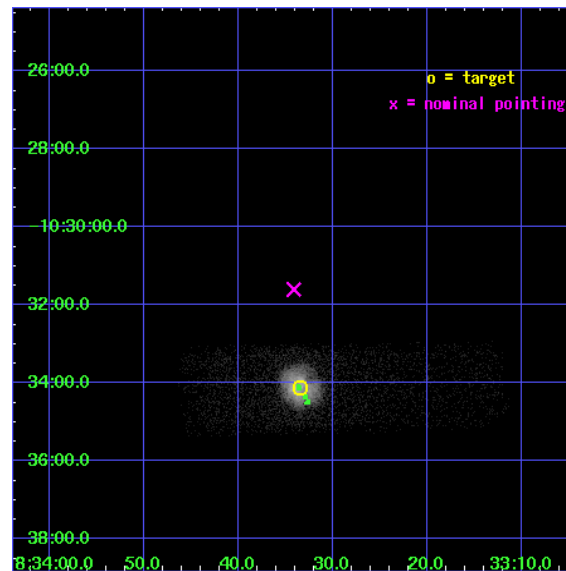
L2 Processing Date : Nov 7 2006

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	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

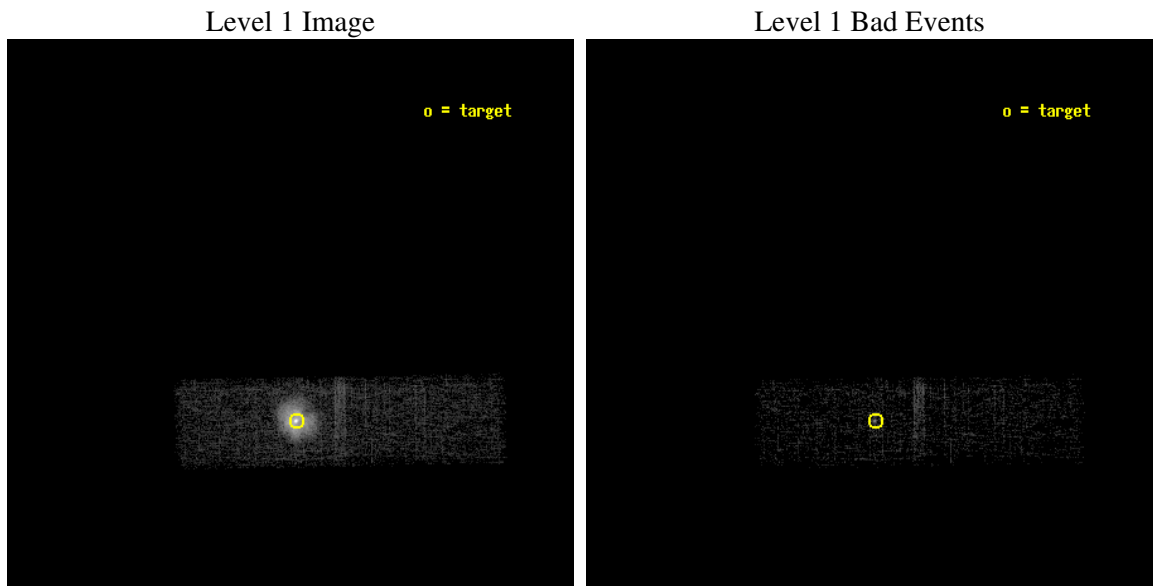
seq_num	590160
obs_id	1551
title	CALIBRATION OBSERVATIONS OF THE STANDARD CANDLE G21.5-09
observer	Dr. CXC Calibration
object	G21.5-0.9 [Chip I3, T=120, Offsets=-2,0,2]
dtcycle	0
cycle	P
ra_targ	278.389583
dec_targ	-10.568528
ra_nom	278.39235001812
dec_nom	-10.526655527392
roll_nom	89.014132792312
revision	2
ontime	9185.5589556694
livetime	8737.3337350608
ontime3	9185.5589556694
l2events	25872



2 OBI

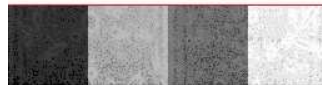
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-11-07T22:57:45
revision	2

sched_exp_time	9000.000000
ontime	10134.399221554
ontime3	10134.399221554
l1events	49473

2.1.4 Events

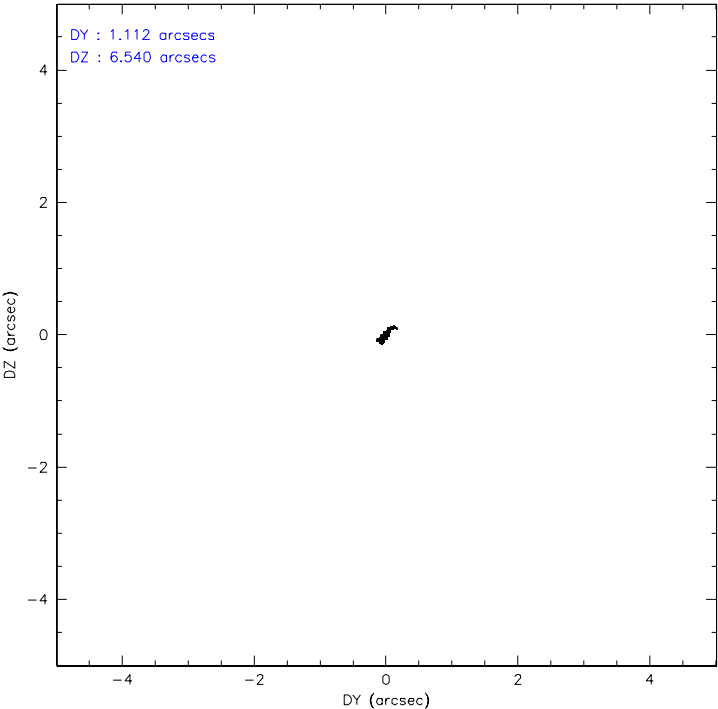
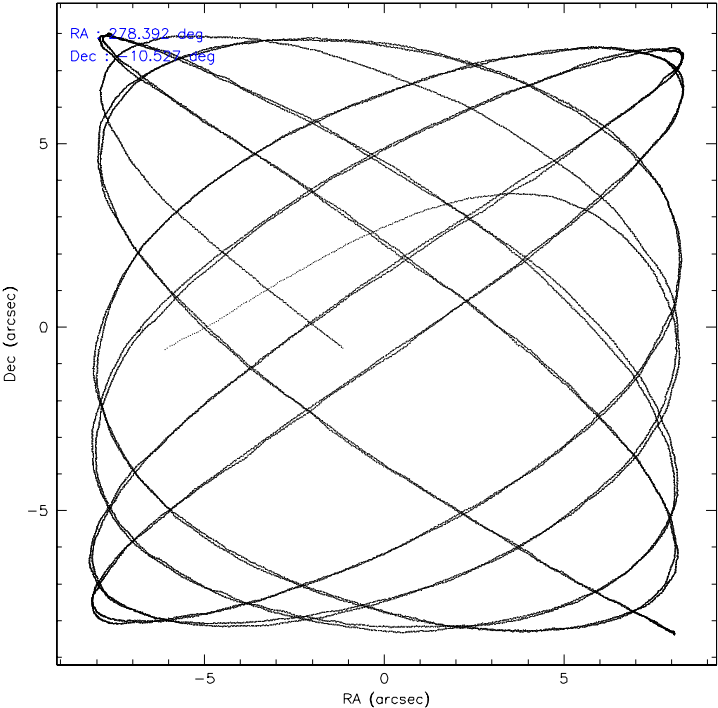
	ccd 3
level 1 events	49473
rejected events	21765
rejected %	43%

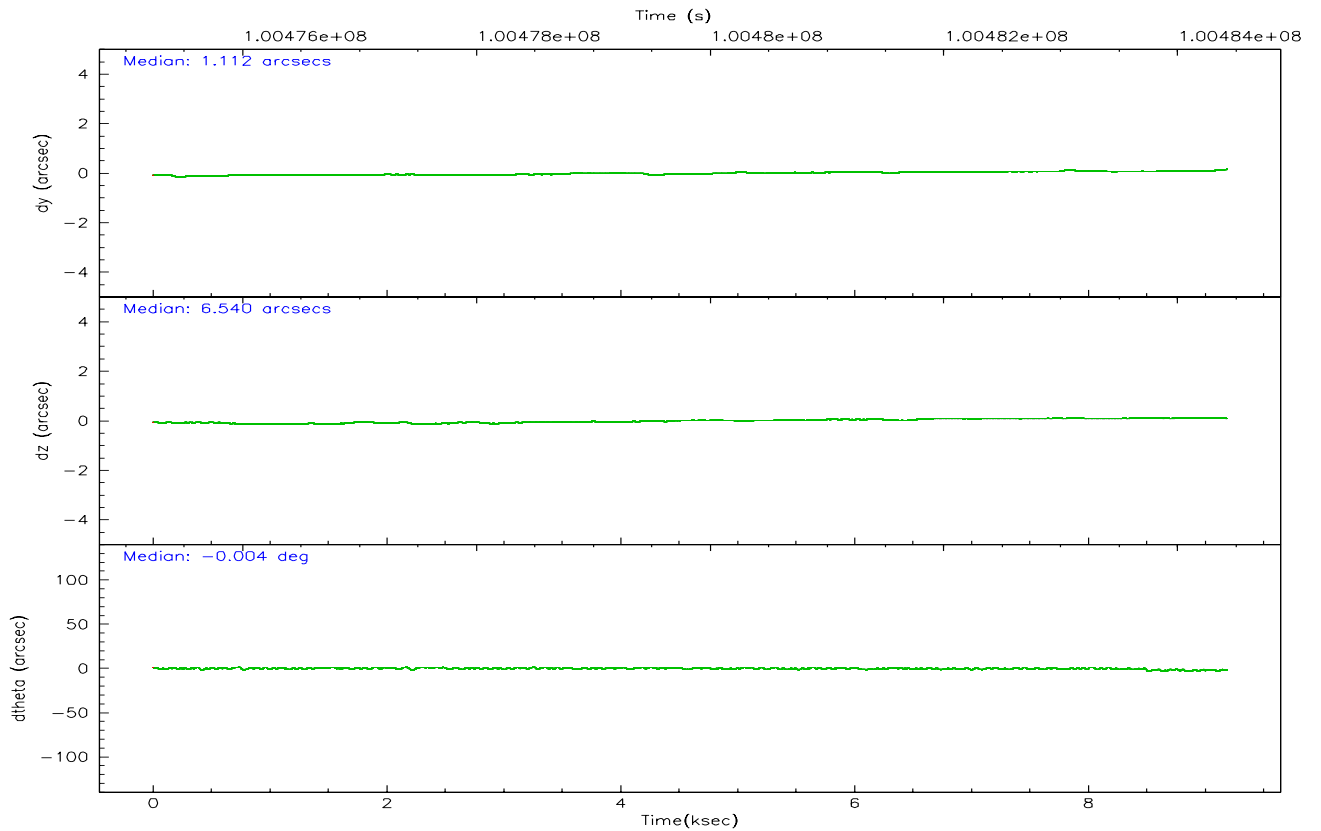
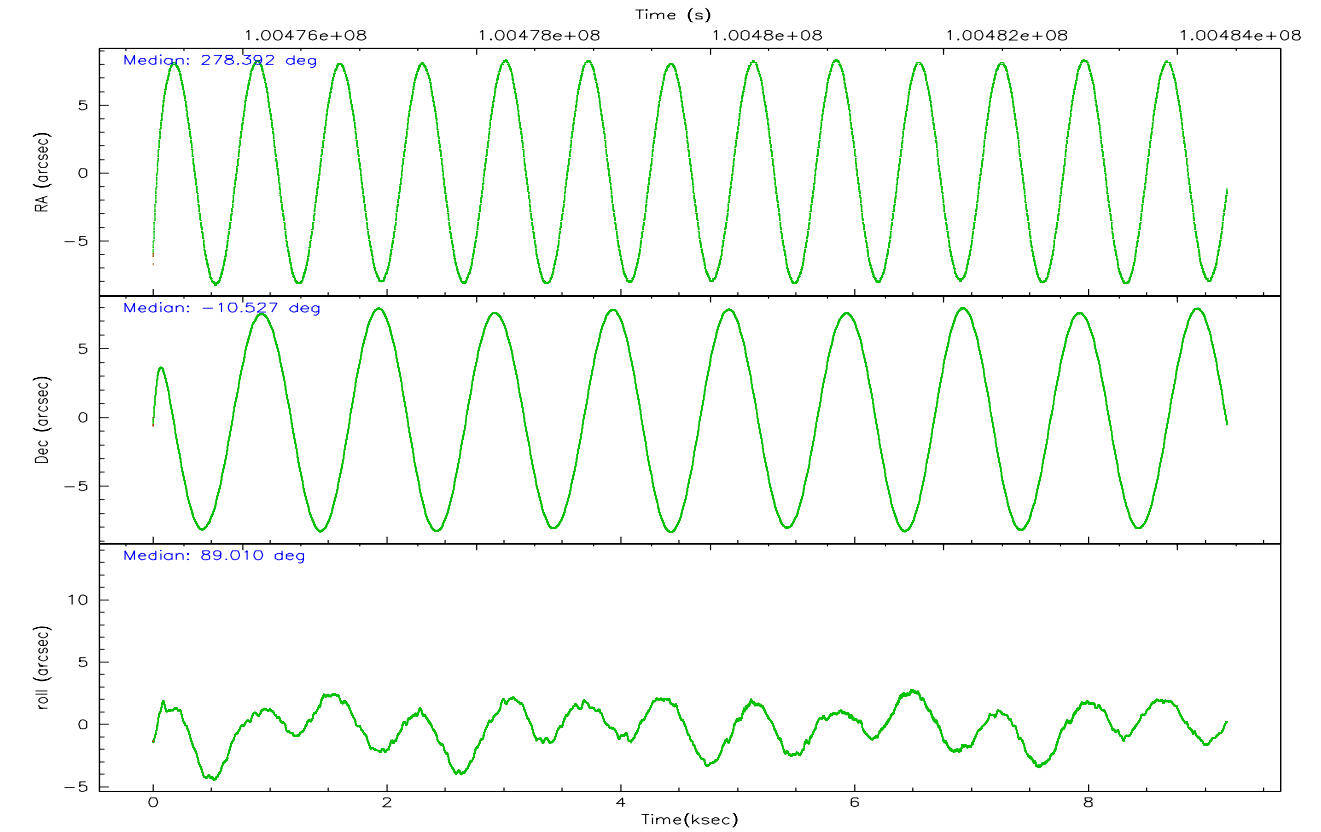
	ccd 3
grade 0 events	20084
	40%
grade 1 events	79
	0%
grade 2 events	3710
	7%
grade 3 events	1460
	2%
grade 4 events	1420
	2%
grade 5 events	759
	1%
grade 6 events	1576
	3%
grade 7 events	20385
	41%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-3	ACIS-3	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	278.405902	278.3923500181181	Subarray requested	CUSTOM	1/4
Pointing Dec	-10.550694	-10.52665552739173	Subarray start row	555	555
Pointing Roll	88.807936	89.01413279231198	Subarray row count	256	256
Window start time	98582464.184000	98582464.184000	Alternating exposures requested	N	N
Window stop time	101001664.184000	101001664.184000	Primary exposure time	0.000000	0.8
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-226.272463	-226.265748302686			
SIM translation stage offset (mm)	-7.32	-7.32670470024371			
Observation start time	100475421.184000	100474285.74878			
Observation start date	2001-03-08T21:49:17	2001-03-08T21:31:25			
Observation end time	100484421.184000	100484626.46168			
Observation end date	2001-03-09T00:19:17	2001-03-09T00:23:46			
Read mode	TIMED	TIMED			

2.3 Aspect



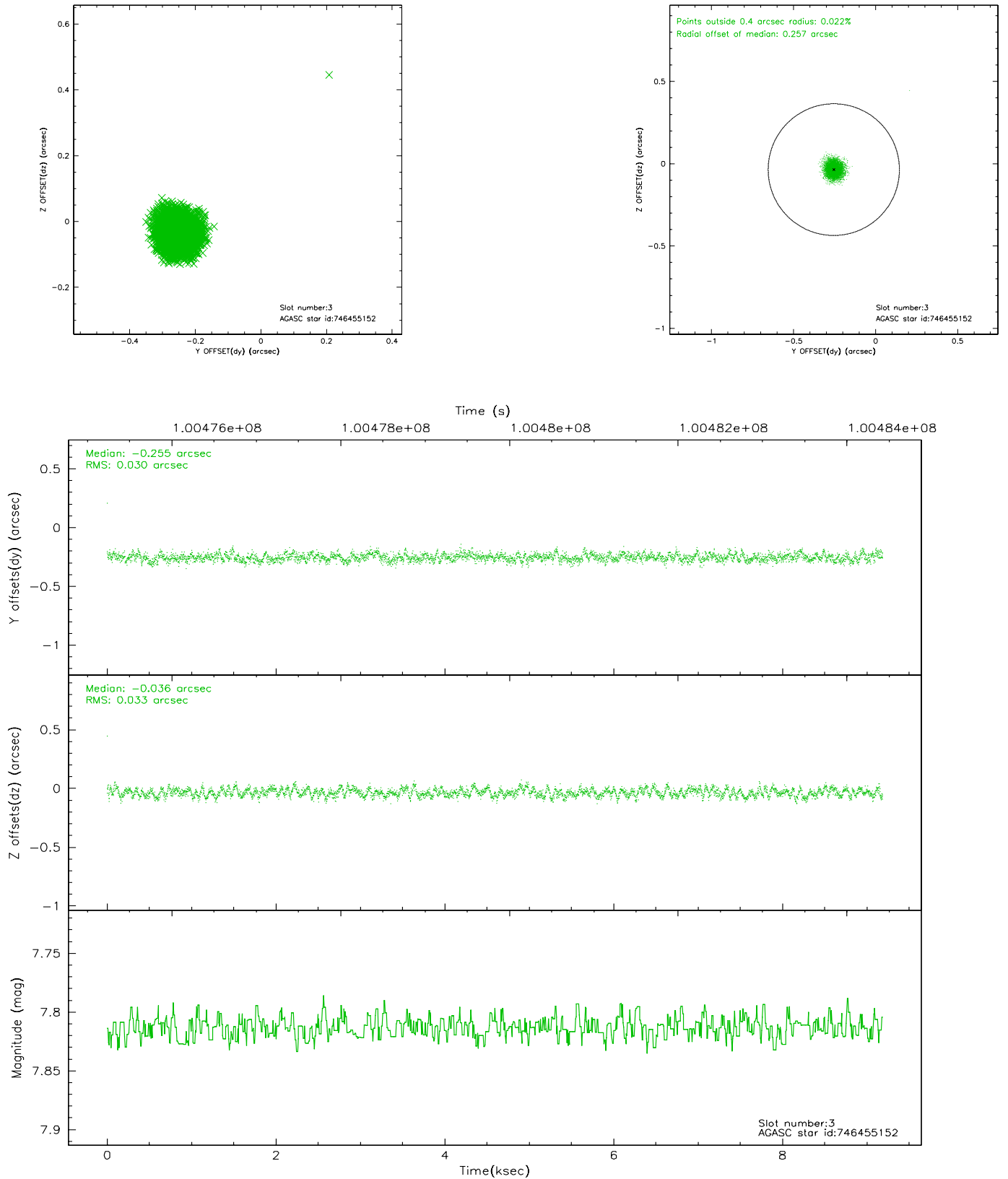


Slot Statistics

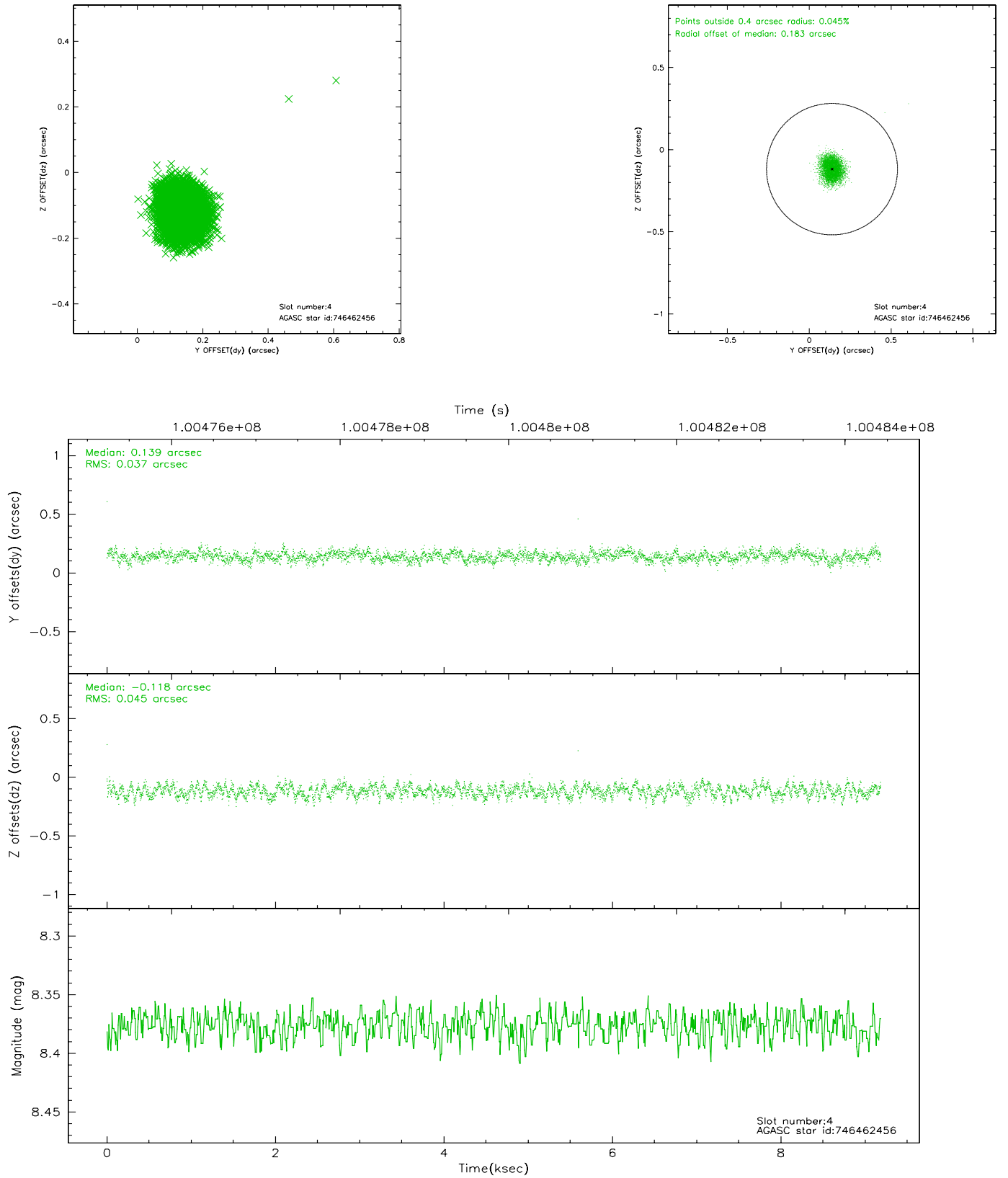
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-3	7.42	2242	0.012	0.152	0.008	0.015	0.000000	0.000000	56.07	-1113.40
1	FID	ACIS-I-4	7.15	2240	-0.091	-0.061	0.007	0.012	0.000000	0.000000	2158.05	919.99
2	FID	ACIS-I-5	7.22	2240	-0.020	-0.022	0.008	0.014	0.000000	0.000000	-1808.68	917.57
3	GUIDE	746455152	7.81	4479	-0.255	-0.036	0.048	0.074	278.447893	-9.976732	2068.42	-106.17
4	GUIDE	746462456	8.38	4482	0.139	-0.118	0.062	0.096	278.652171	-10.530173	91.91	-870.50
5	GUIDE	746462392	8.53	4481	0.130	0.127	0.083	0.137	279.038421	-10.890715	-1179.79	-2261.84
6	GUIDE	746455112	8.93	4479	0.095	0.003	0.079	0.126	278.266531	-10.703234	-559.80	480.46
7	GUIDE	746460272	8.93	4481	-0.110	0.033	0.070	0.114	278.847488	-10.152127	1465.65	-1534.85

2.4 Star Slots

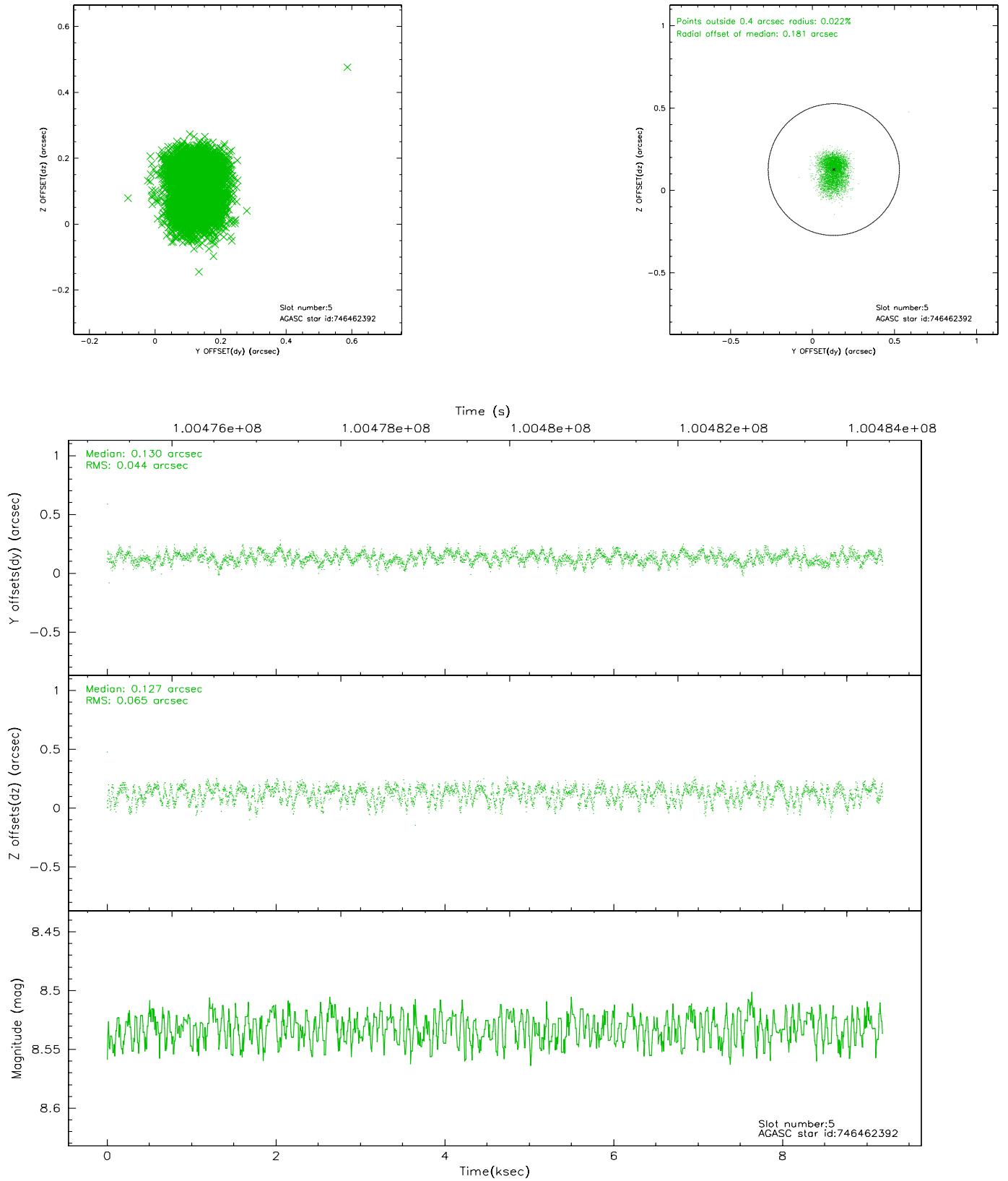
2.4.1 Slot 3



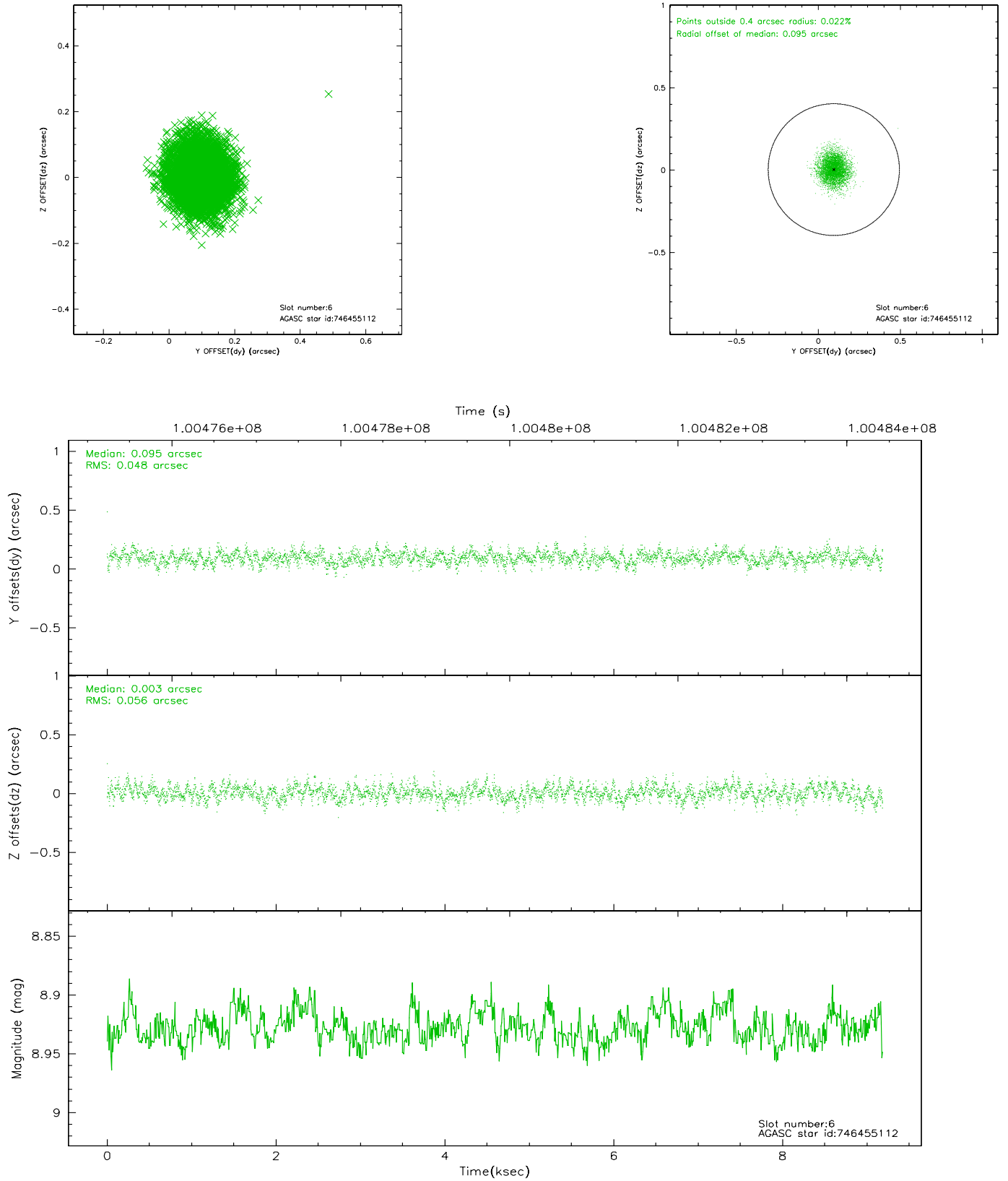
2.4.2 Slot 4



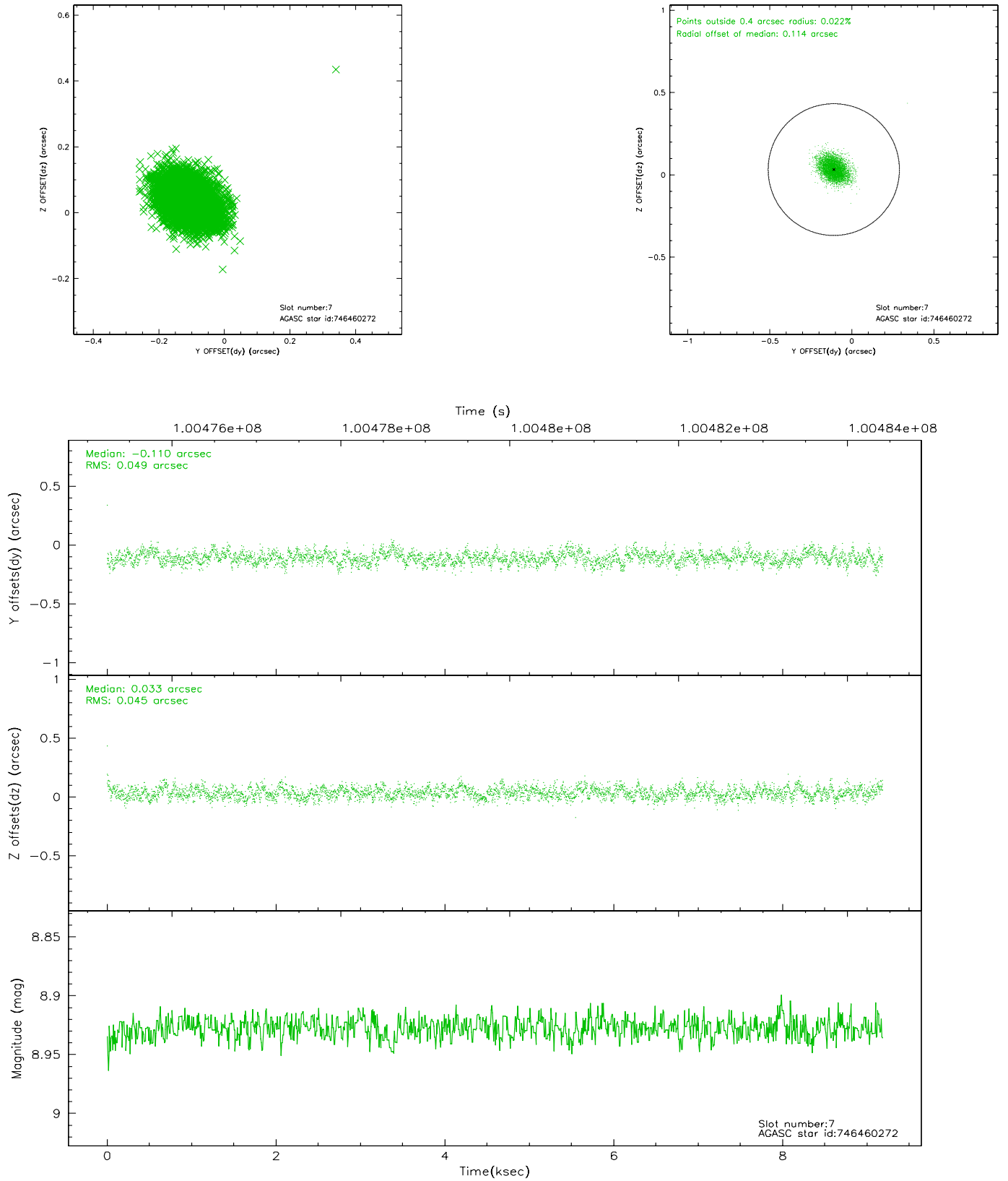
2.4.3 Slot 5



2.4.4 Slot 6

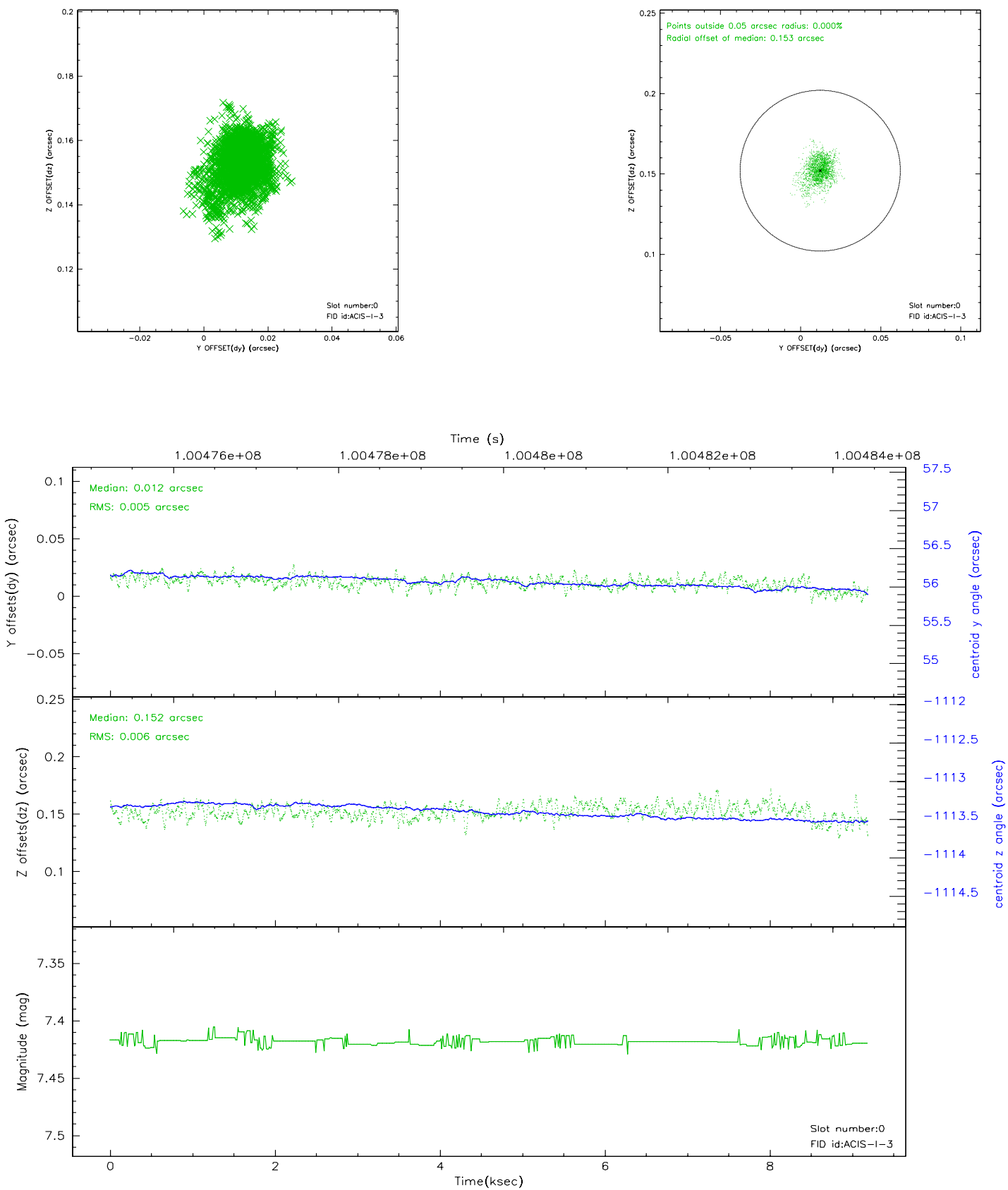


2.4.5 Slot 7

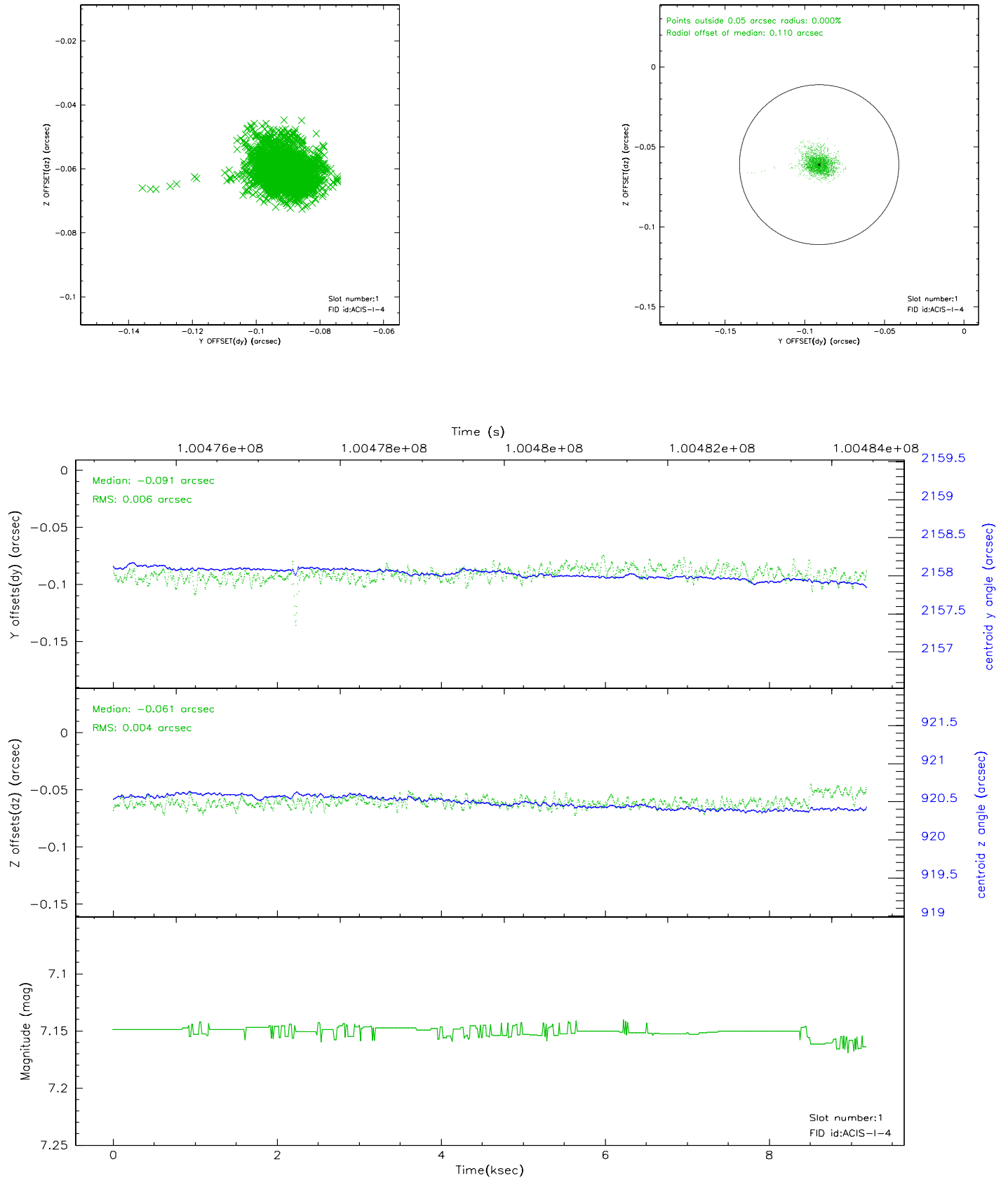


2.5 FID Slots

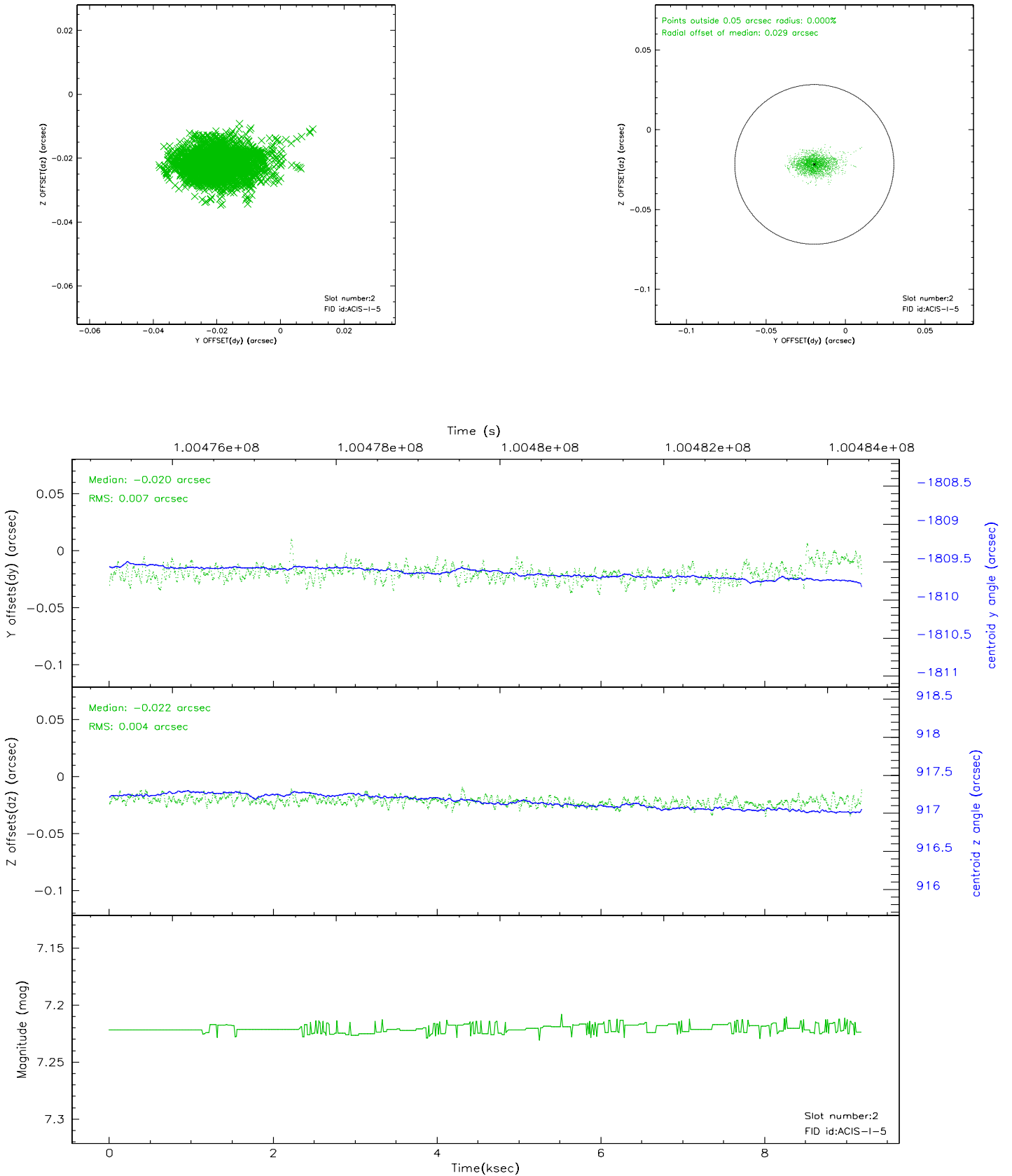
2.5.1 Slot 0



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)	2006.11.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.185

A.2 Comments

Window constraint met.

Aim point off of the chip.