

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1554 - L2 Version 001
Chandra X-Ray Center

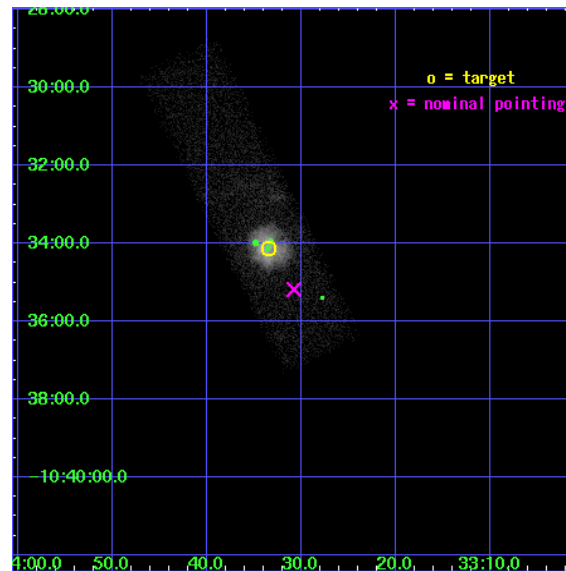
L2 Processing Date : Dec 15 2006

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

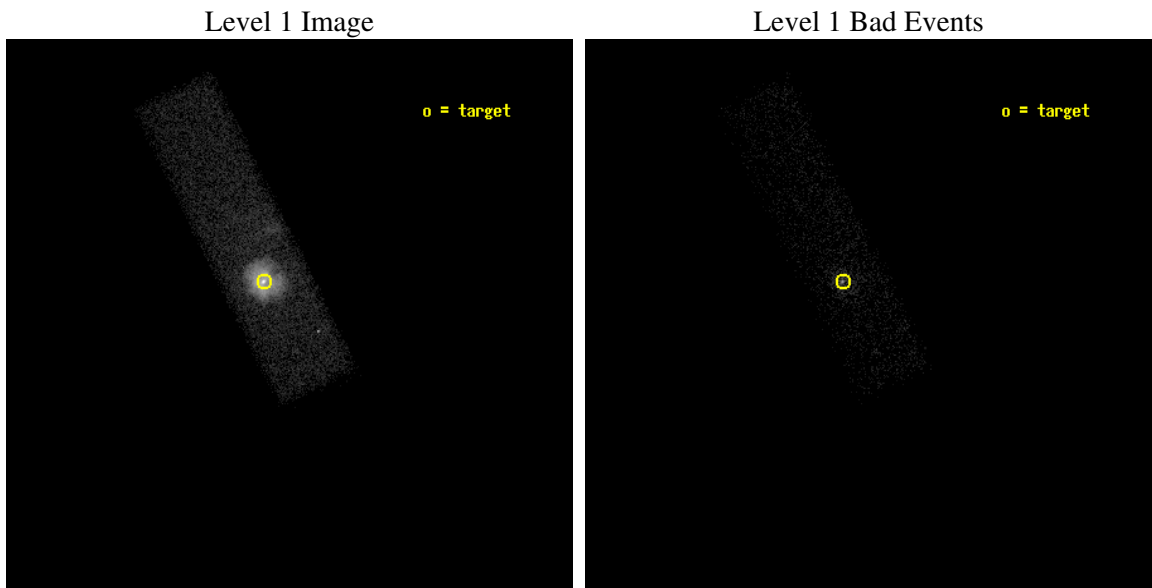
seq_num	590163
obs_id	1554
title	CALIBRATION OBSERVATIONS OF THE STANDARD CANDLE G21.5-09
observer	Dr. CXC Calibration
object	G21.5-0.9 [Chip S3, T=120, Offsets=-1,0,0]
dtcycle	0
cycle	P
ra_targ	278.389583
dec_targ	-10.568528
ra_nom	278.37847331817
dec_nom	-10.586404313136
roll_nom	243.41380603747
revision	2
ontime	9525.5179143846
livetime	9060.7038089838
ontime7	9525.5179143846
l2events	40041



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-12-15T15:40:15
revision	2

sched_exp_time	9400.000000
ontime	10215.997470111
ontime7	10215.997470111
l1events	55714

2.1.4 Events

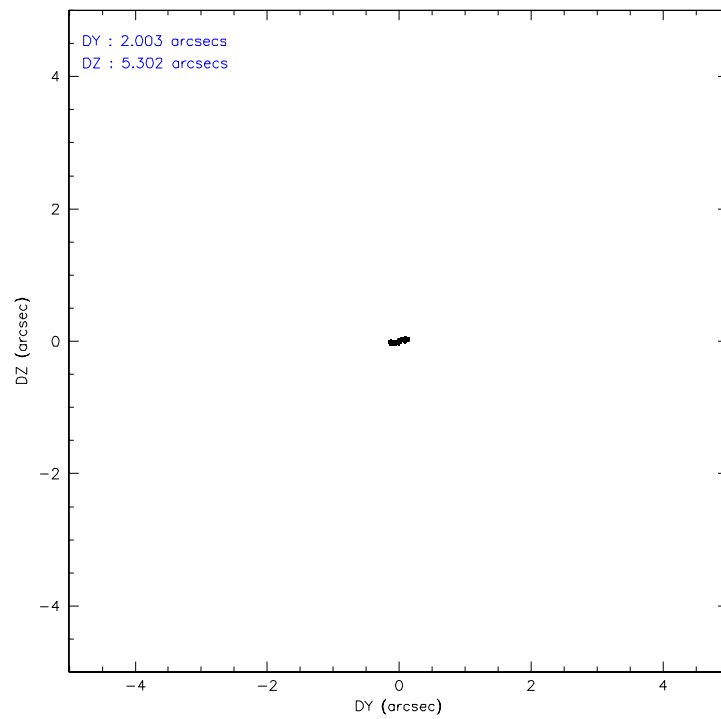
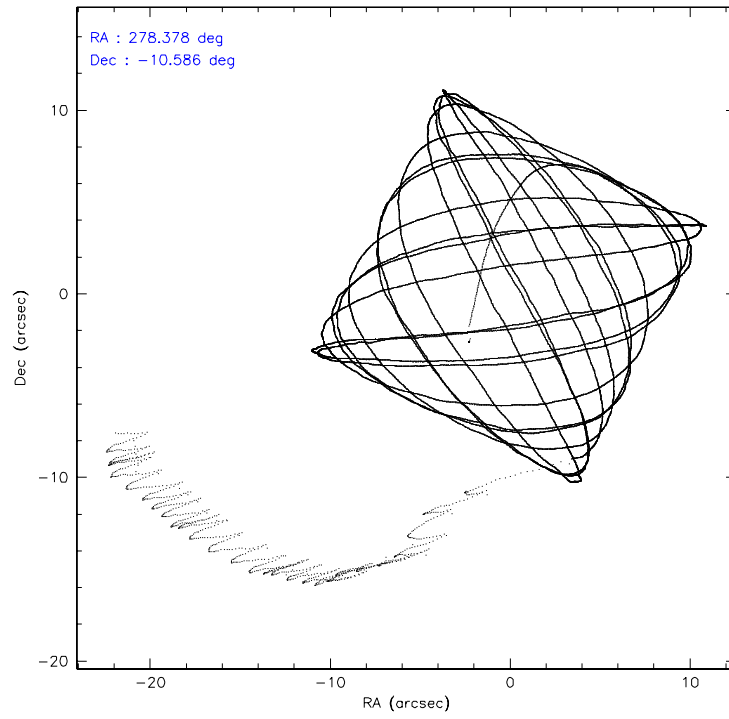
	ccd 7
level 1 events	55714
rejected events	15274
rejected %	27%

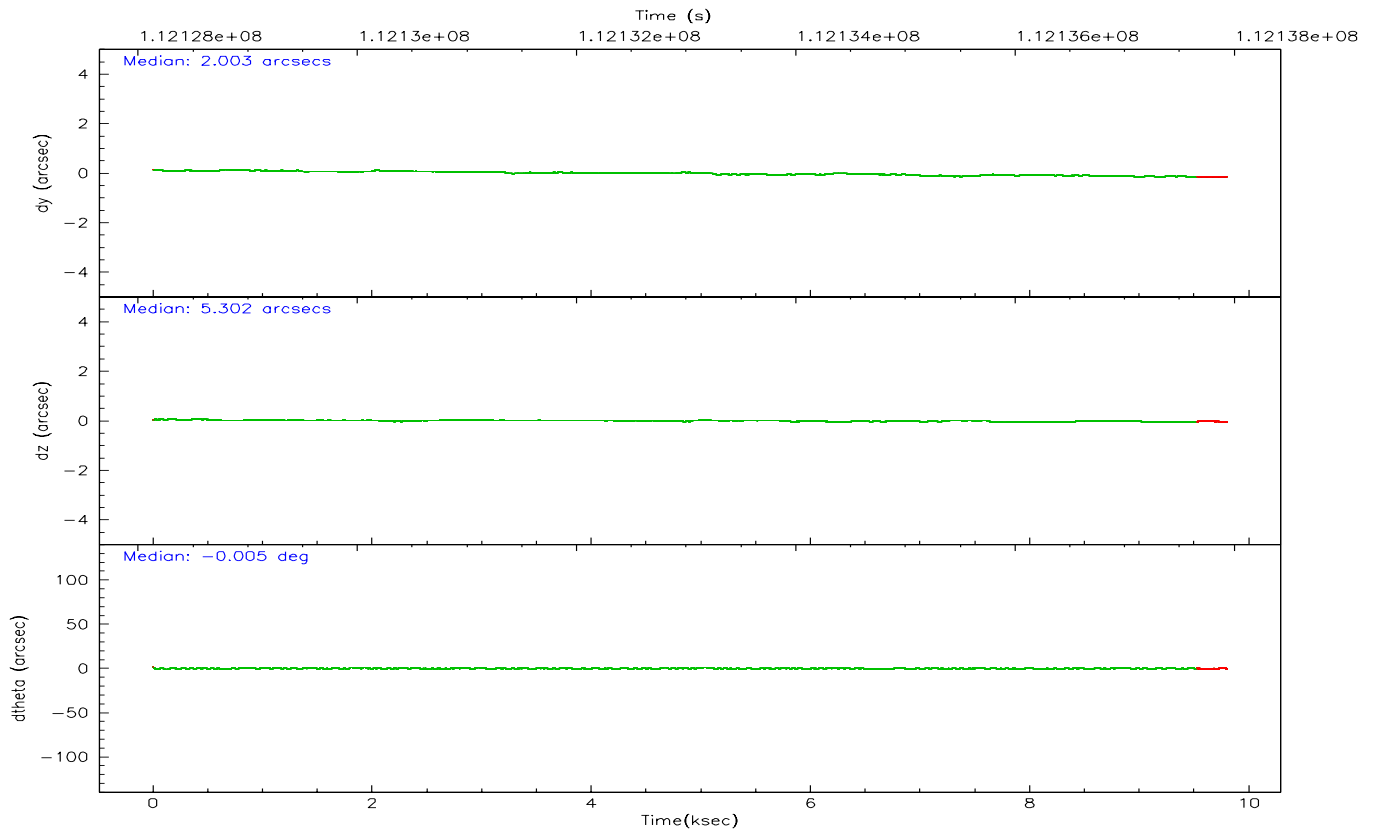
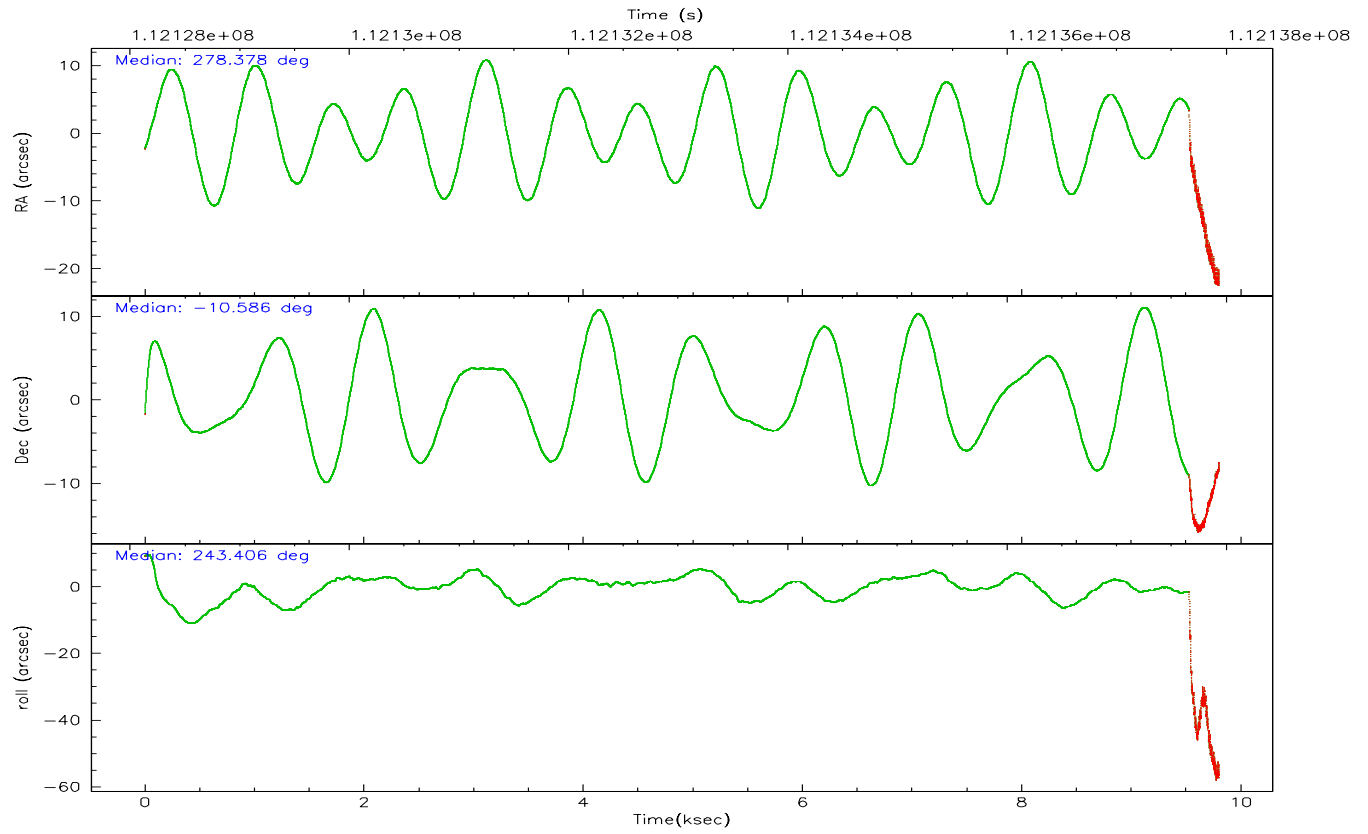
	ccd 7
grade 0 events	7490
	13%
grade 1 events	35
	0%
grade 2 events	11252
	20%
grade 3 events	4280
	7%
grade 4 events	4208
	7%
grade 5 events	1850
	3%
grade 6 events	15234
	27%
grade 7 events	11365
	20%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-7	ACIS-7	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	278.376570	278.3784733181748	Subarray requested	CUSTOM	1/4
Pointing Dec	-10.559092	-10.58640431313634	Subarray start row	384	384
Pointing Roll	243.257098	243.413806037473	Subarray row count	256	256
Window start time	110332864.184000	110332864.184000	Alternating exposures requested	N	N
Window stop time	112838464.184000	112838464.184000	Primary exposure time	0.000000	0.8
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	112128539.184000	112127465.07685			
Observation start date	2001-07-21T18:47:55	2001-07-21T18:31:05			
Observation end time	112137939.184000	112138601.18979			
Observation end date	2001-07-21T21:24:35	2001-07-21T21:36:41			
Read mode	TIMED	TIMED			

2.3 Aspect



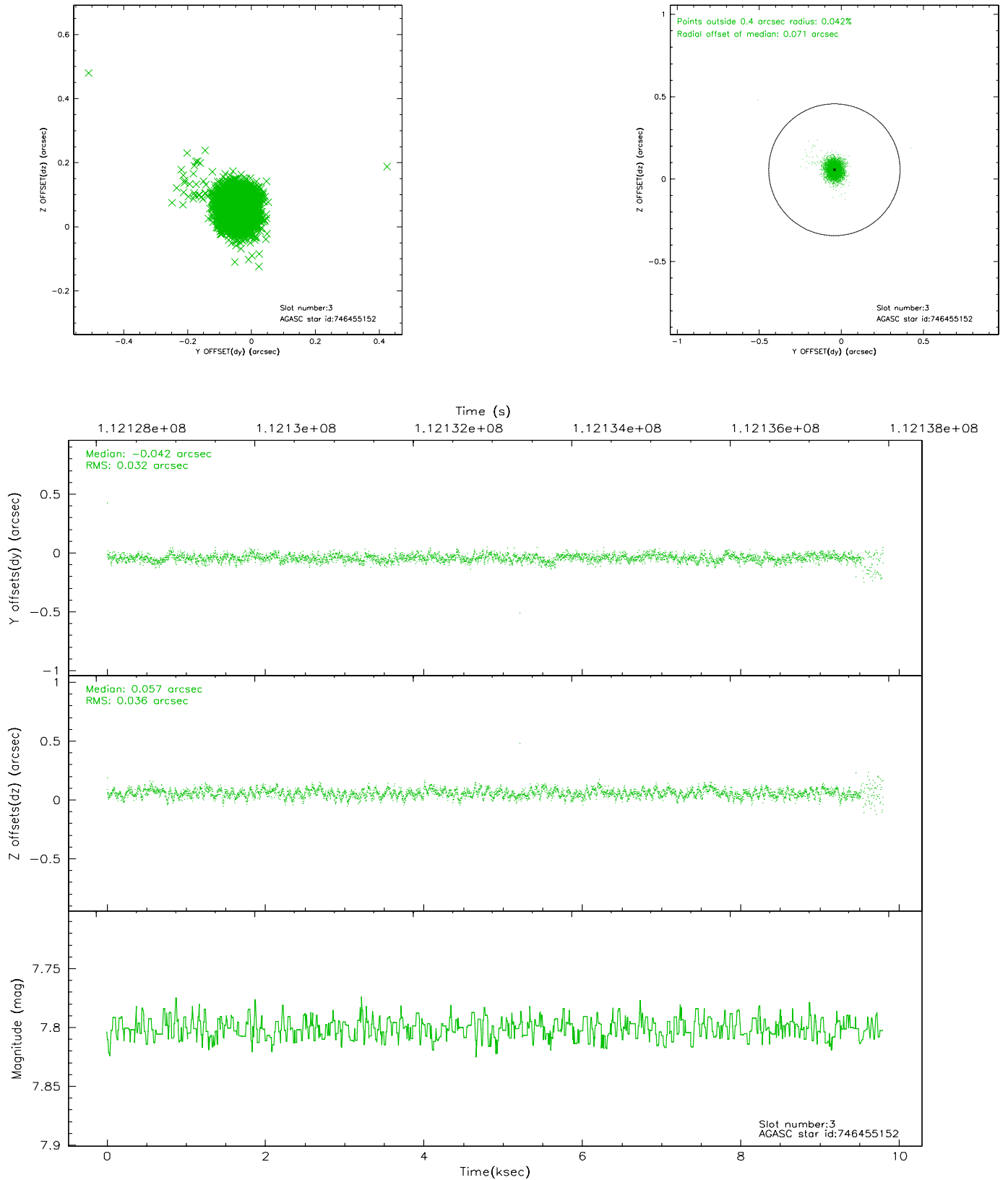


Slot Statistics

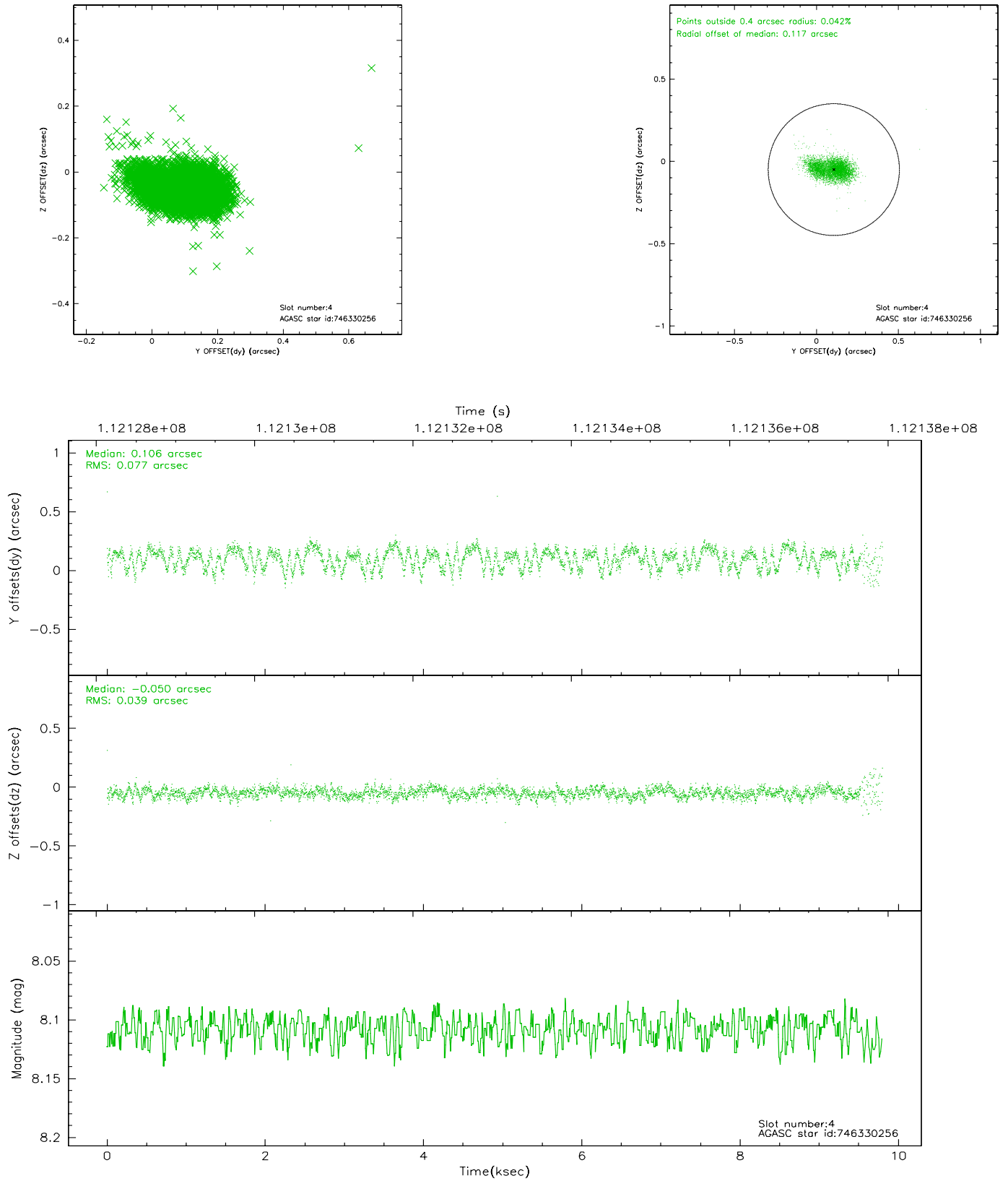
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-3	7.37	2390	-0.068	-0.007	0.007	0.012	0.000000	0.000000	58.55	-1855.49
1	FID	ACIS-S-4	7.20	2389	-0.055	0.040	0.006	0.009	0.000000	0.000000	2158.71	181.52
2	FID	ACIS-S-5	7.24	2389	0.095	-0.023	0.006	0.010	0.000000	0.000000	-1806.65	175.74
3	GUIDE	746455152	7.80	4711	-0.042	0.057	0.049	0.080	278.447893	-9.976732	-1985.43	-717.03
4	GUIDE	746330256	8.11	4713	0.106	-0.050	0.090	0.148	277.634401	-10.863955	2164.17	-1847.19
5	GUIDE	746462456	8.40	4714	-0.034	0.027	0.079	0.125	278.652171	-10.530173	-530.53	824.93
6	GUIDE	746460272	8.91	4717	-0.024	-0.013	0.065	0.111	278.847488	-10.152127	-2057.93	832.25
7	GUIDE	746461728	9.78	4712	-0.005	-0.020	0.133	0.211	278.986921	-10.530755	-1061.52	1885.02

2.4 Star Slots

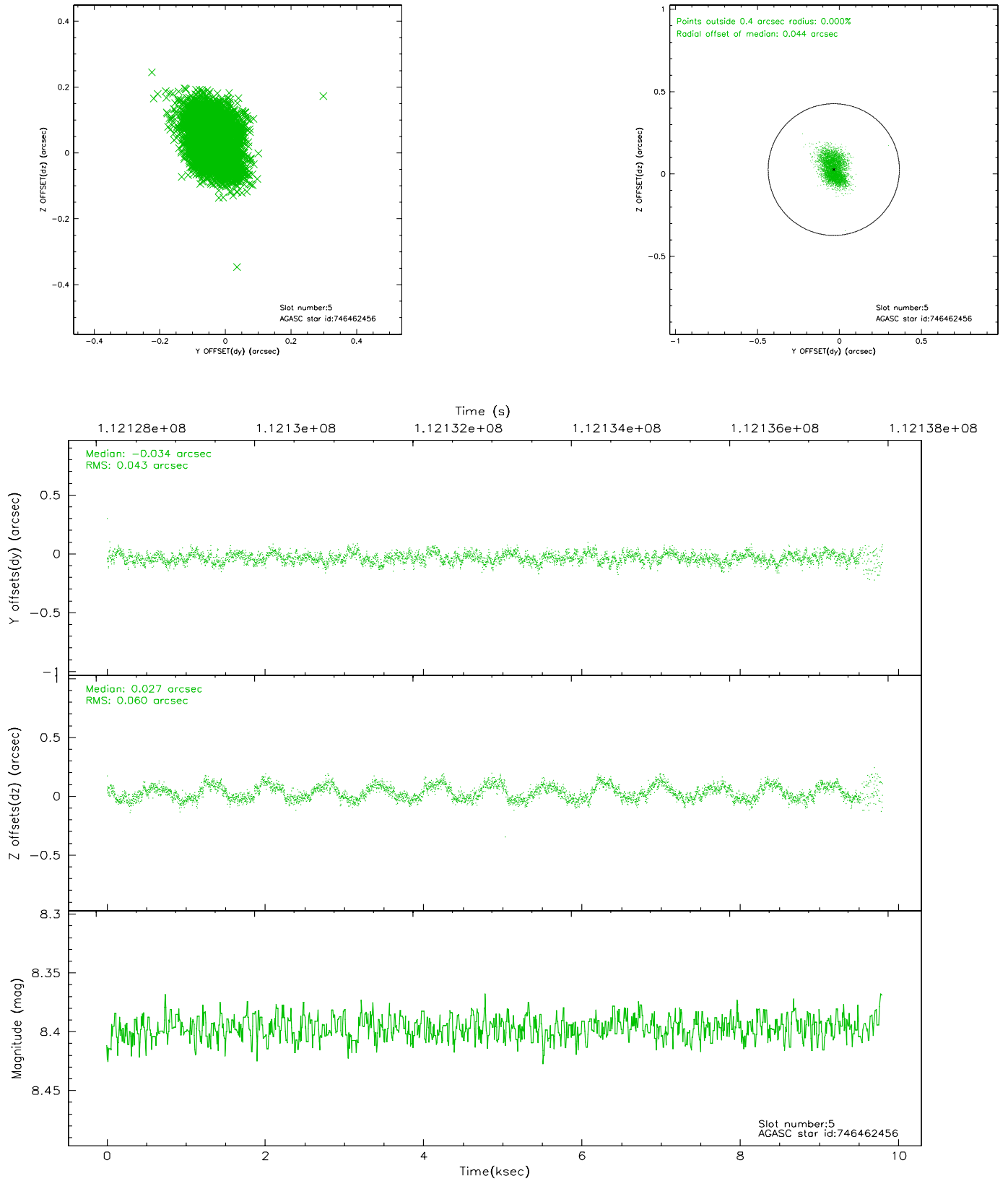
2.4.1 Slot 3



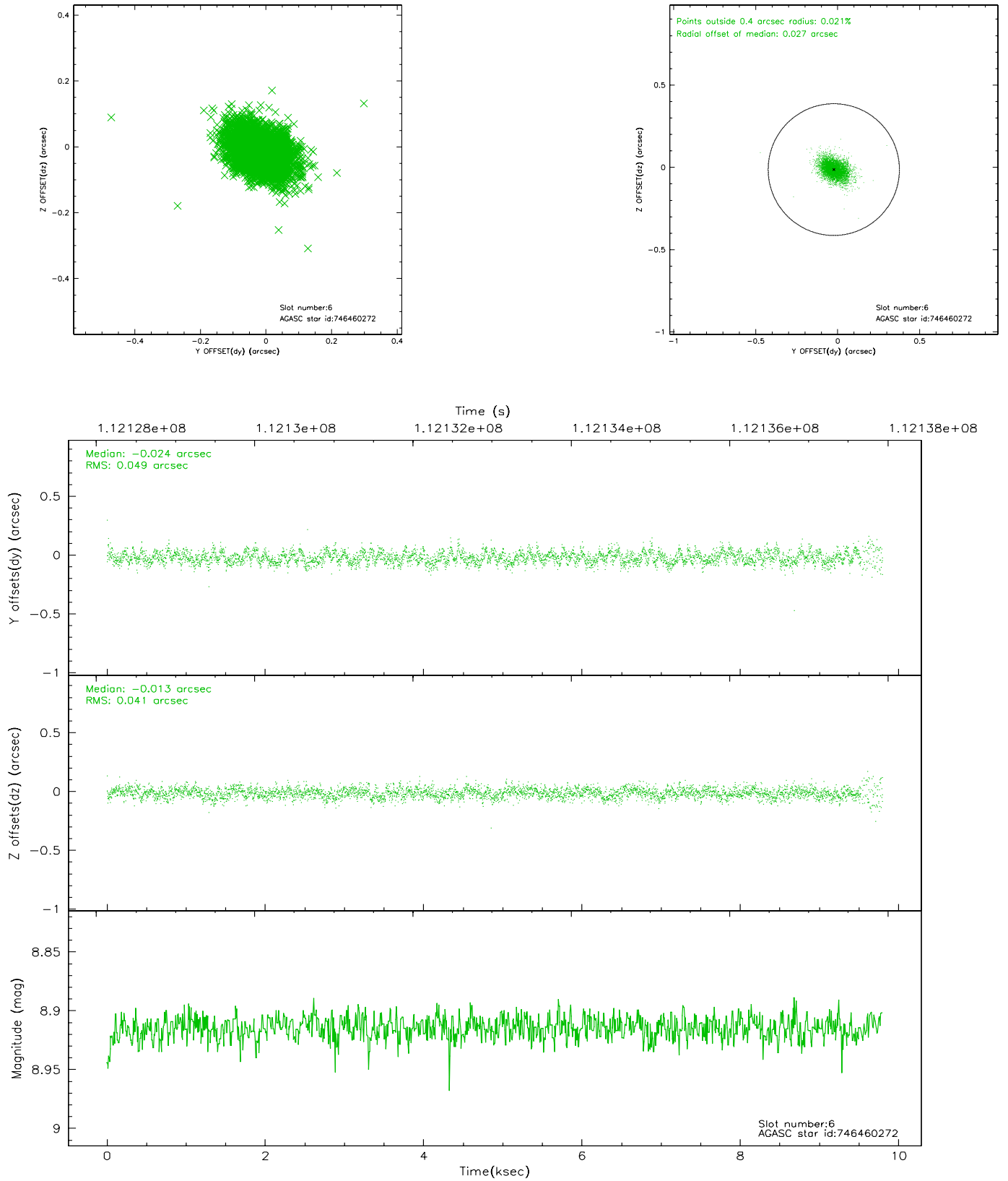
2.4.2 Slot 4



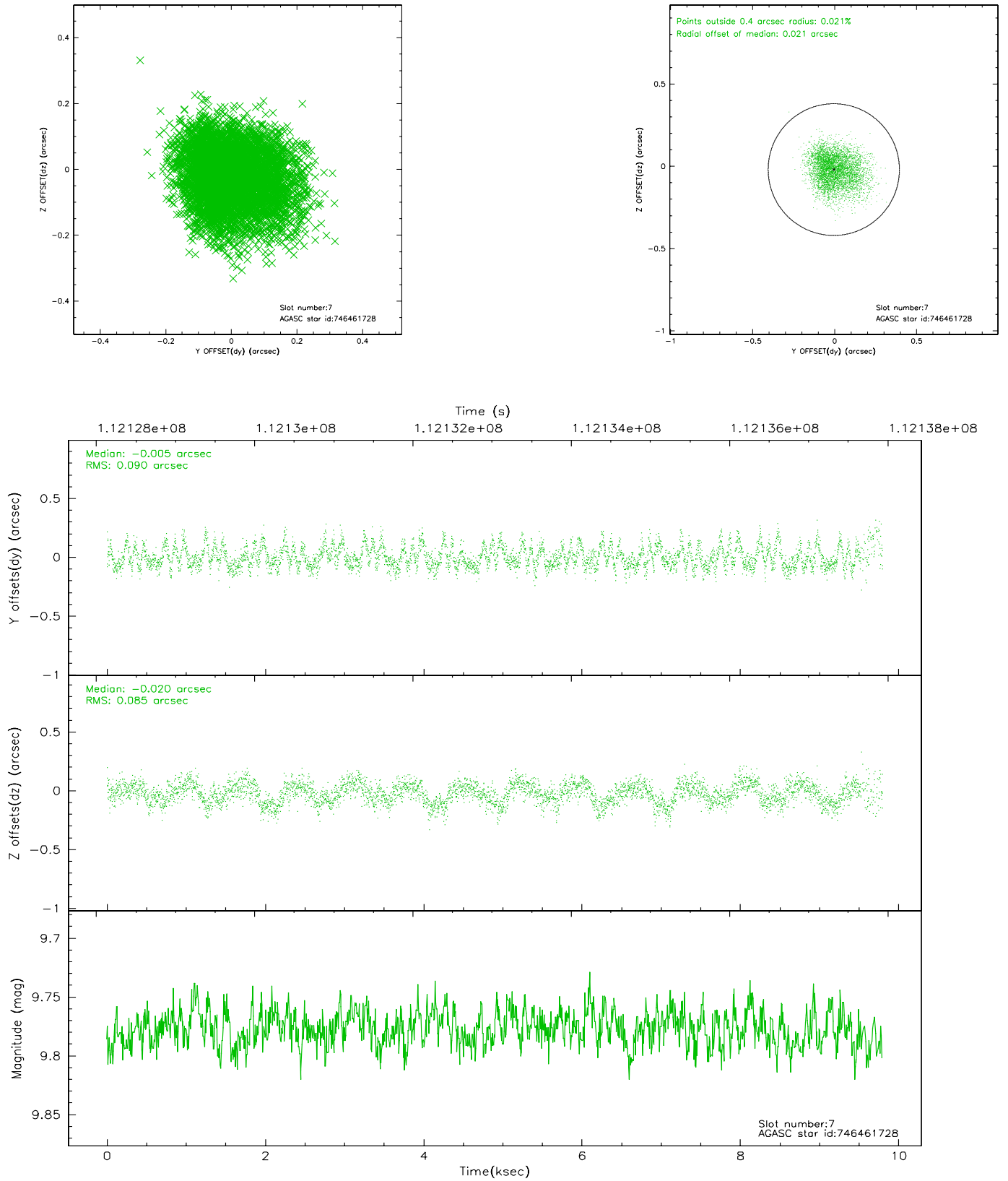
2.4.3 Slot 5



2.4.4 Slot 6

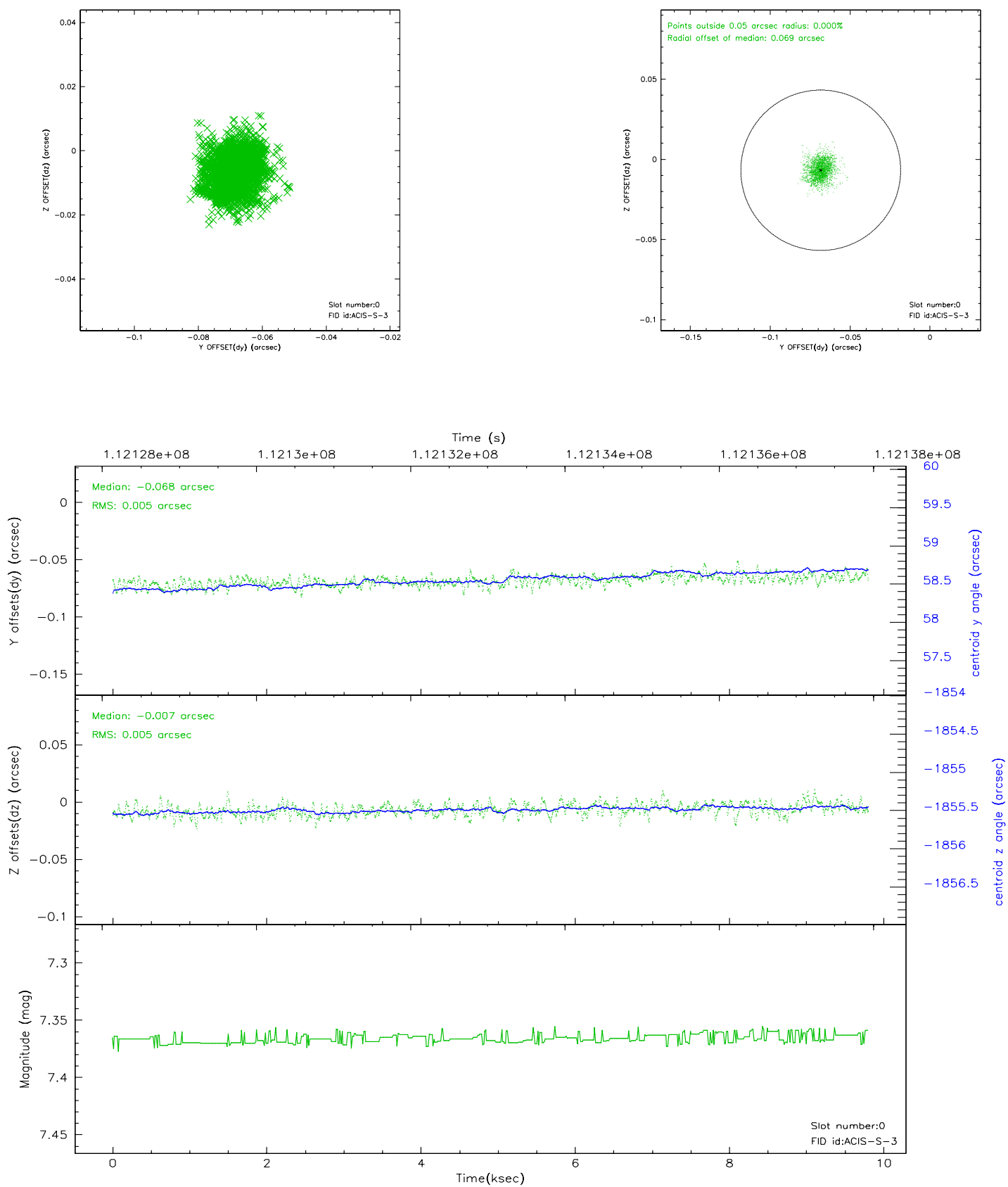


2.4.5 Slot 7

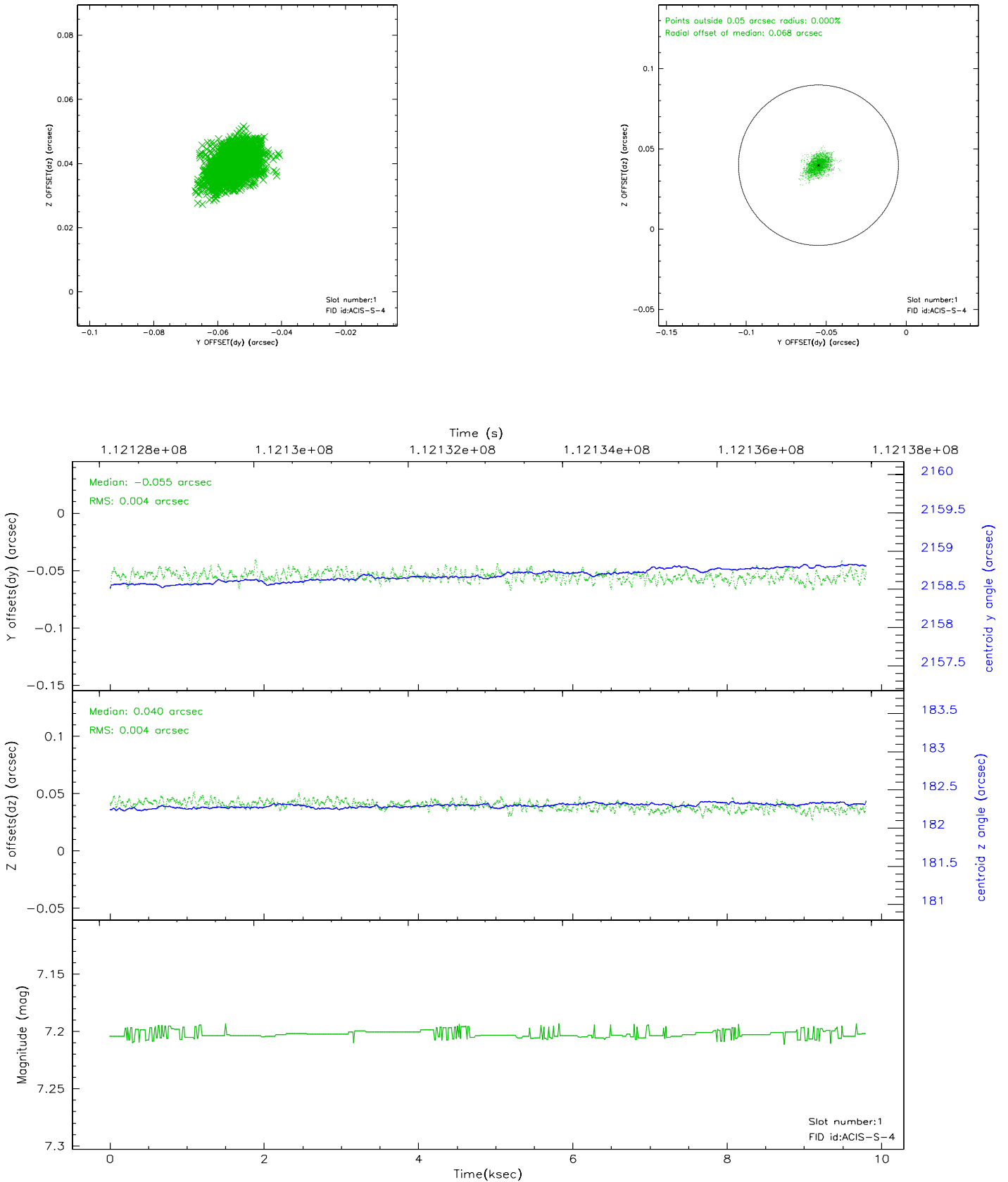


2.5 FID Slots

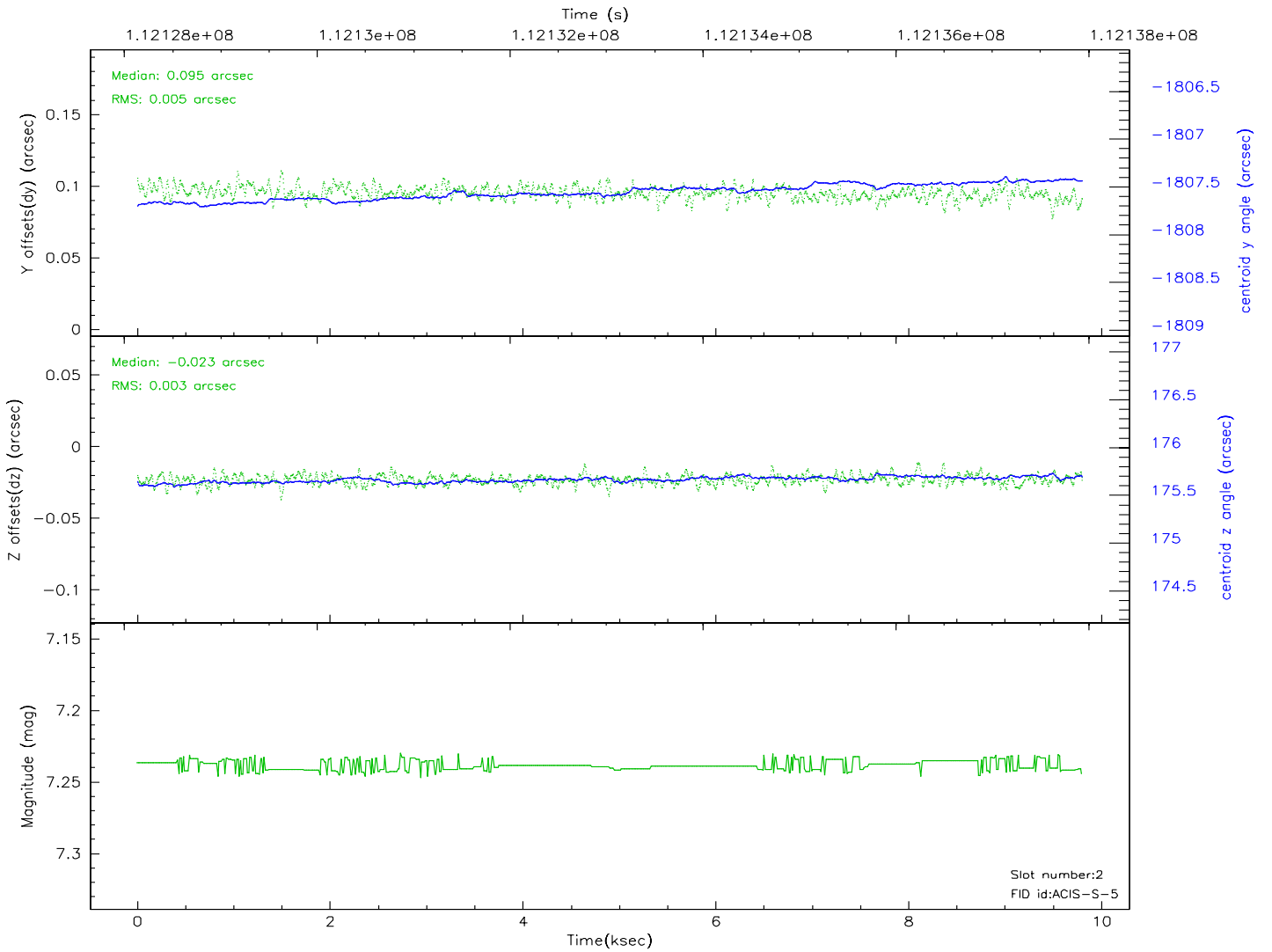
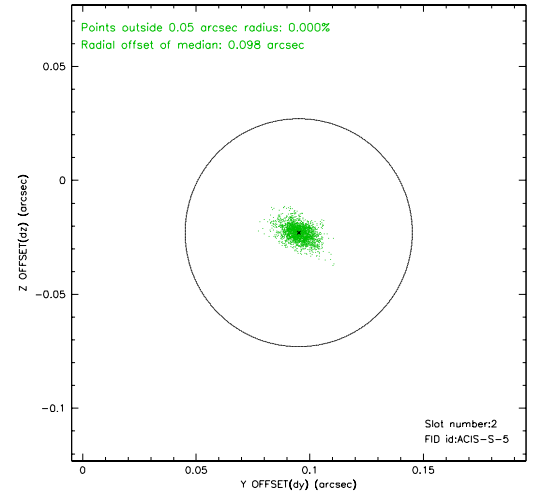
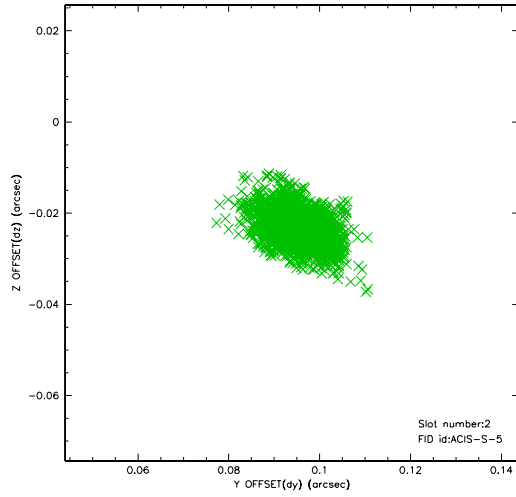
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.12.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.5

A.2 Comments

Window constraint met.