

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4607 - L2 Version 001
Chandra X-Ray Center

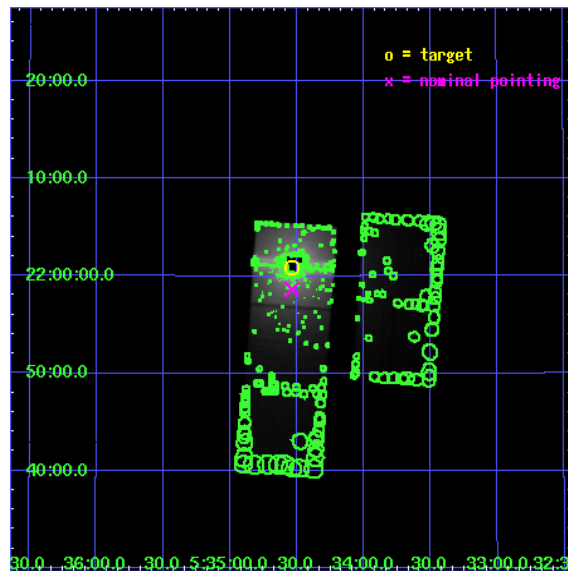
L2 Processing Date : Jun 7 2006

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1 Front

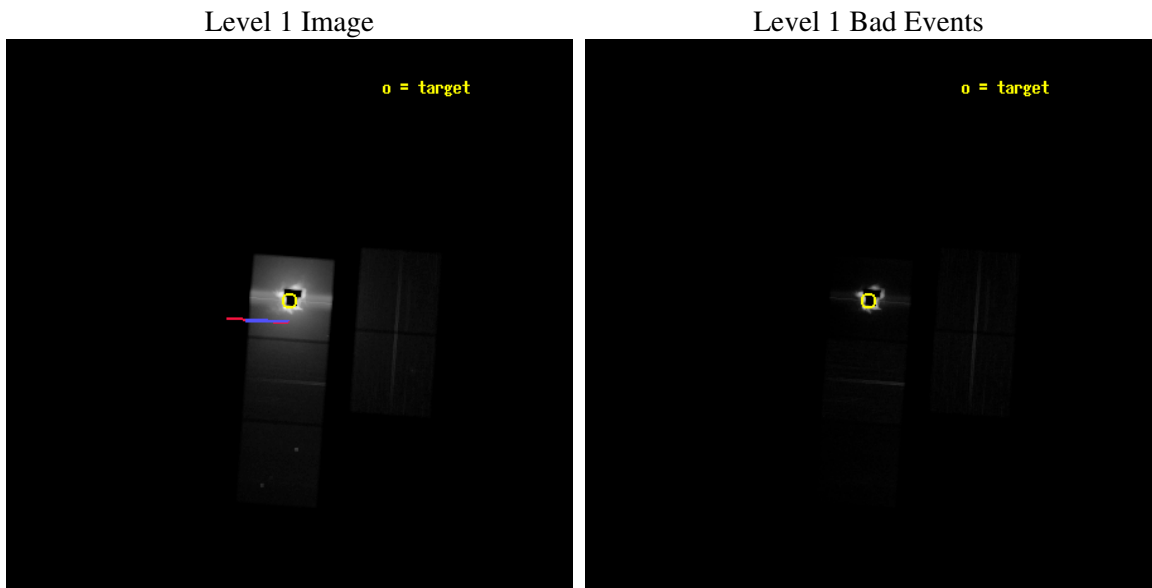
seq_num	500432
obs_id	4607
title	Thermal Emission from the Crab Nebula
observer	Frederick Seward
object	Crab Nebula
dtcycle	0
cycle	P
ra_targ	83.633333
dec_targ	22.014444
ra_nom	83.634345326513
dec_nom	21.977068856362
roll_nom	274.15626453735
revision	2
ontime	37743.751781225
livetime	37250.601877658
ontime2	38598.099925786
ontime3	38591.817945302
ontime5	38598.099925786
ontime6	38598.099925786
ontime7	37743.751781225
l2events	13072599



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-06-07T05:55:17
revision	2

sched_exp_time	38500.000000
ontime	37748.685861021
ontime2	38603.034005582
ontime3	38596.752025098
ontime5	38603.034005582
ontime6	38603.034005582
ontime7	37748.685861021
l1events	15049464

2.1.3 Events

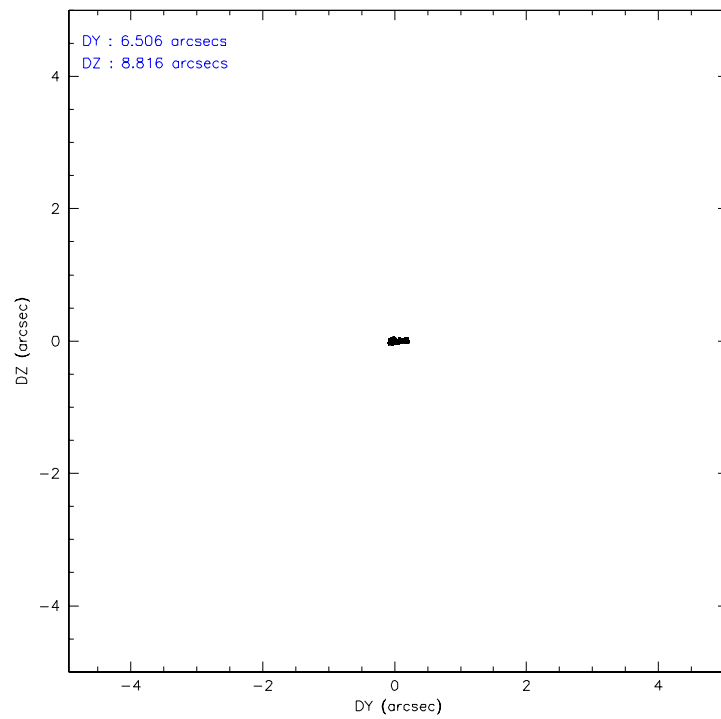
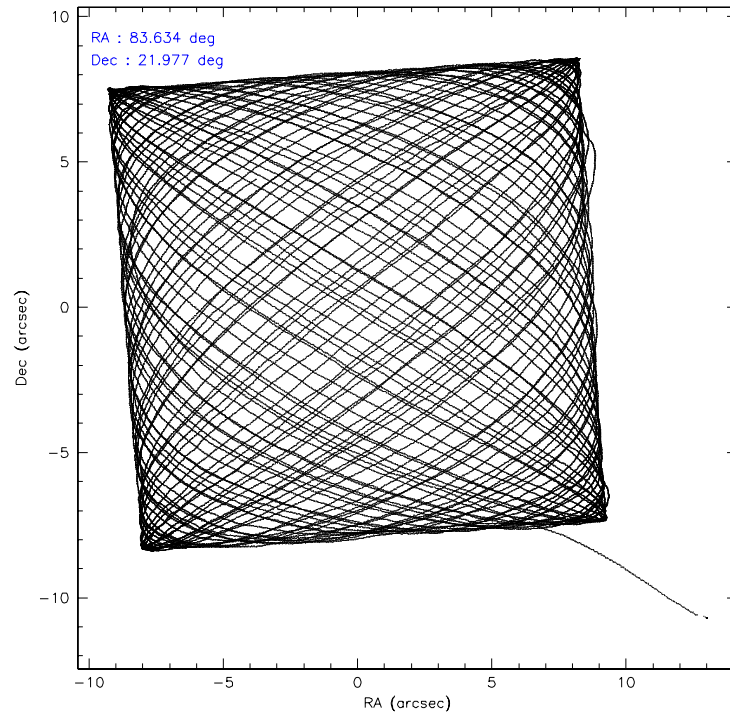
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	278741	329558	227723	674809	13538633
rejected events	154511	144888	62996	151574	1308901
rejected %	55%	43%	27%	22%	9%

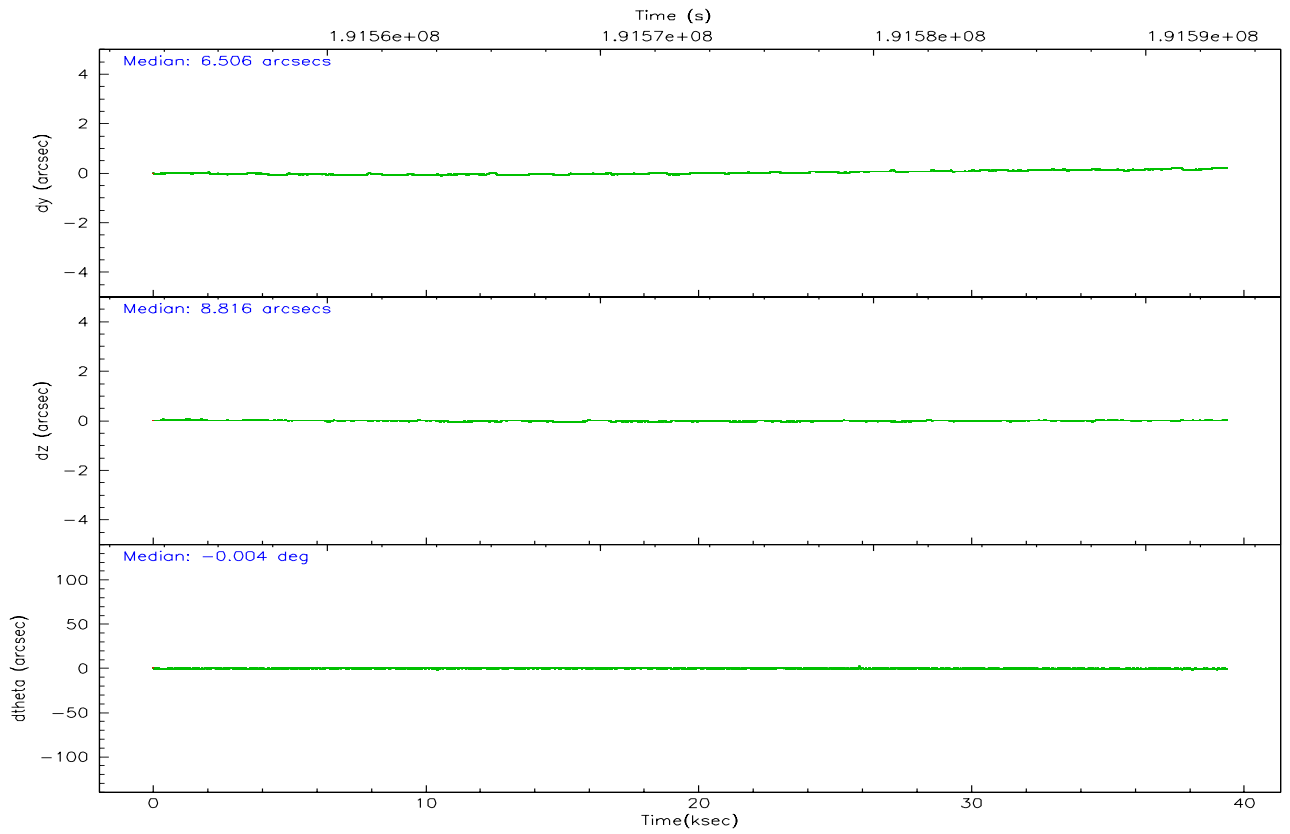
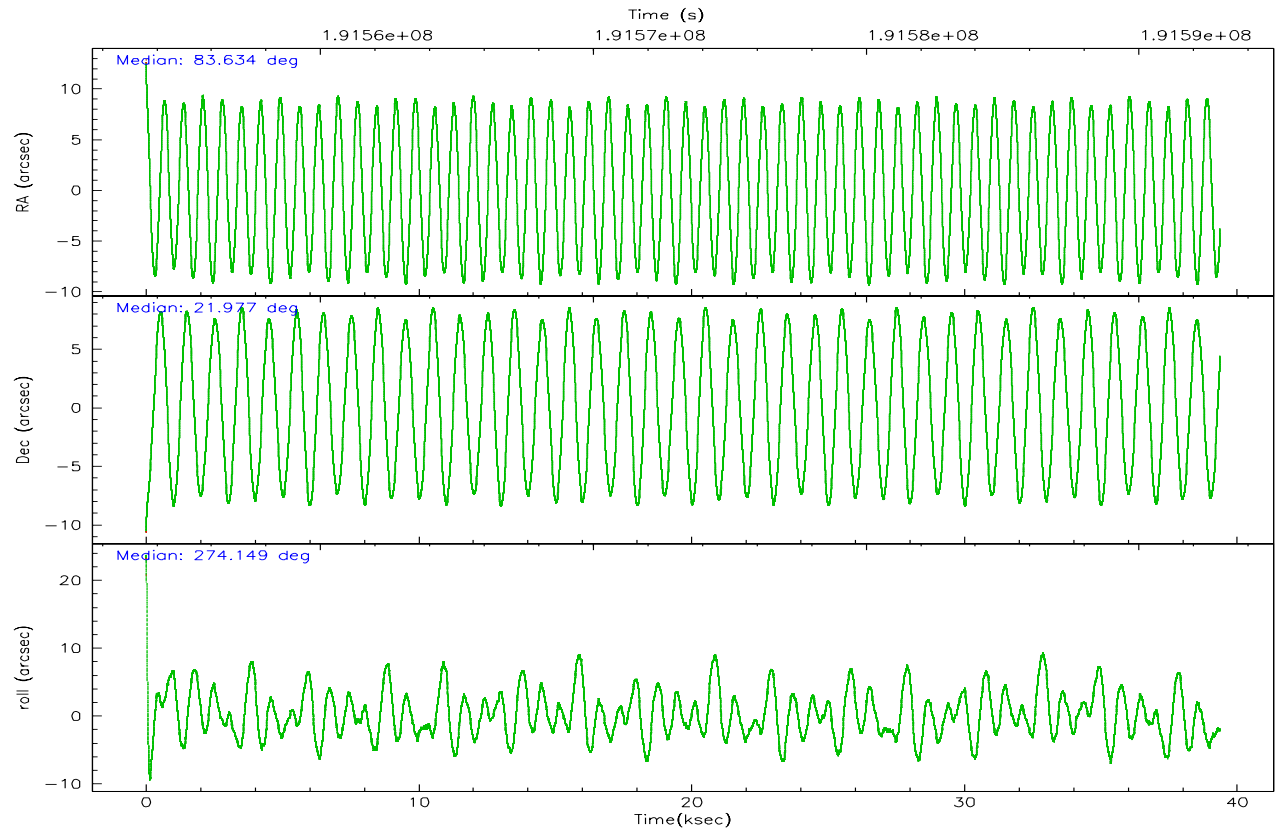
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	94627	145260	34472	422345	3073569
	33%	44%	15%	62%	22%
grade 1 events	274	422	133	1097	145678
	0%	0%	0%	0%	1%
grade 2 events	15971	20989	58248	57591	3536075
	5%	6%	25%	8%	26%
grade 3 events	4253	6075	8286	14283	1322549
	1%	1%	3%	2%	9%
grade 4 events	4388	6048	8094	14545	1315729
	1%	1%	3%	2%	9%
grade 5 events	2766	3654	9097	4511	424722
	0%	1%	3%	0%	3%
grade 6 events	4999	6309	55640	14514	2985497
	1%	1%	24%	2%	22%
grade 7 events	151463	140801	53753	145923	734814
	54%	42%	23%	21%	5%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-23567	ACIS-23567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	GRADED	GRADED	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	83.617535	83.63434532651279	Alternating exposures requested	N	N
Pointing Dec	21.999381	21.97706885636245	Primary exposure time	0.000000	3.1
Pointing Roll	274.005914	274.1562645373494			
Roll angle	272.000000	272.000000			
Roll tolerance	2.000000	2.000000			
Roll constraint allows 180D rotation	N	N			
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	191554472.184000	191553167.54603			
Observation start date	2004-01-27T01:33:28	2004-01-27T01:12:47			
Observation end time	191592972.184000	191594692.86034			
Observation end date	2004-01-27T12:15:08	2004-01-27T12:44:52			
Read mode	TIMED	TIMED			

2.3 Aspect



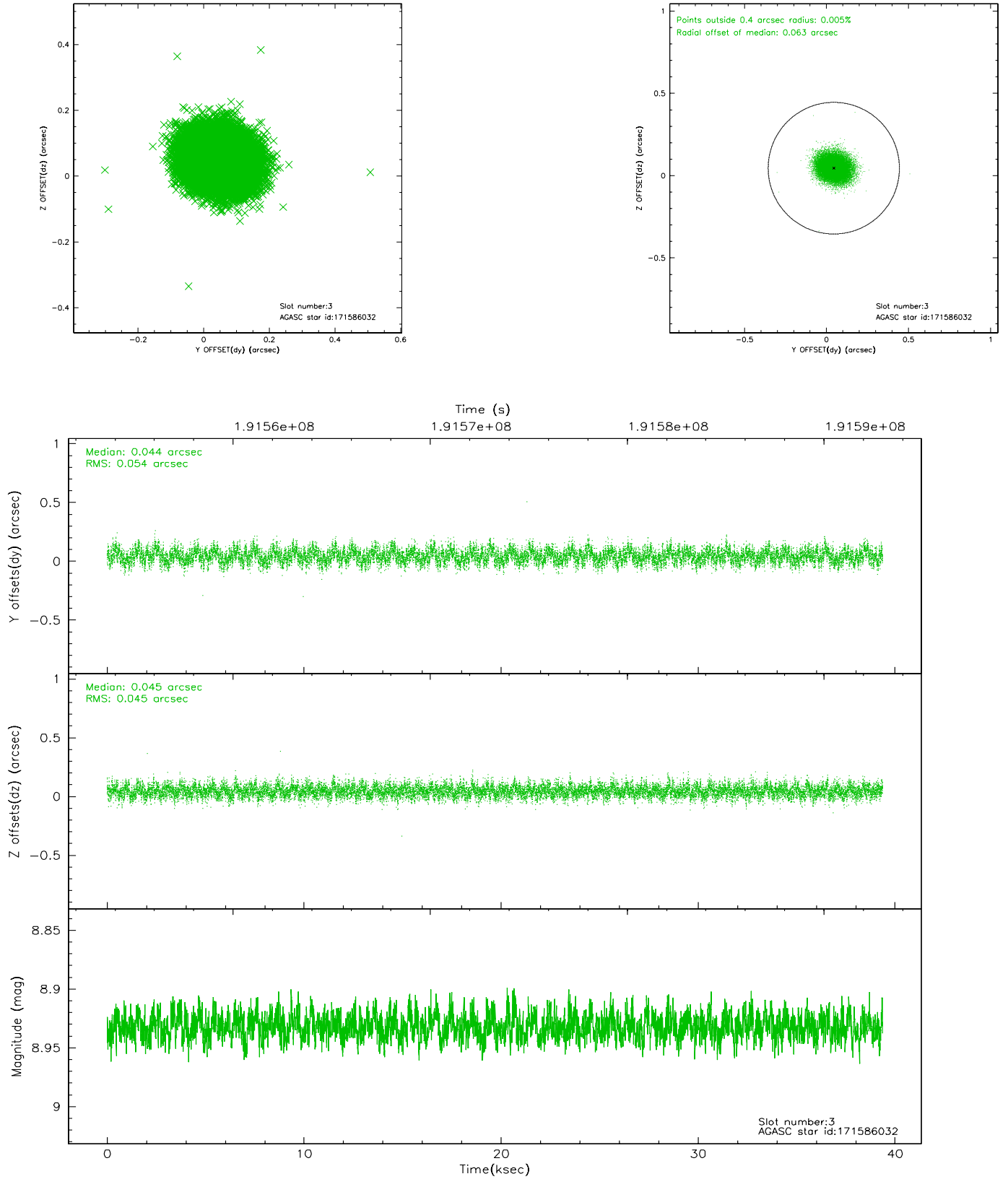


Slot Statistics

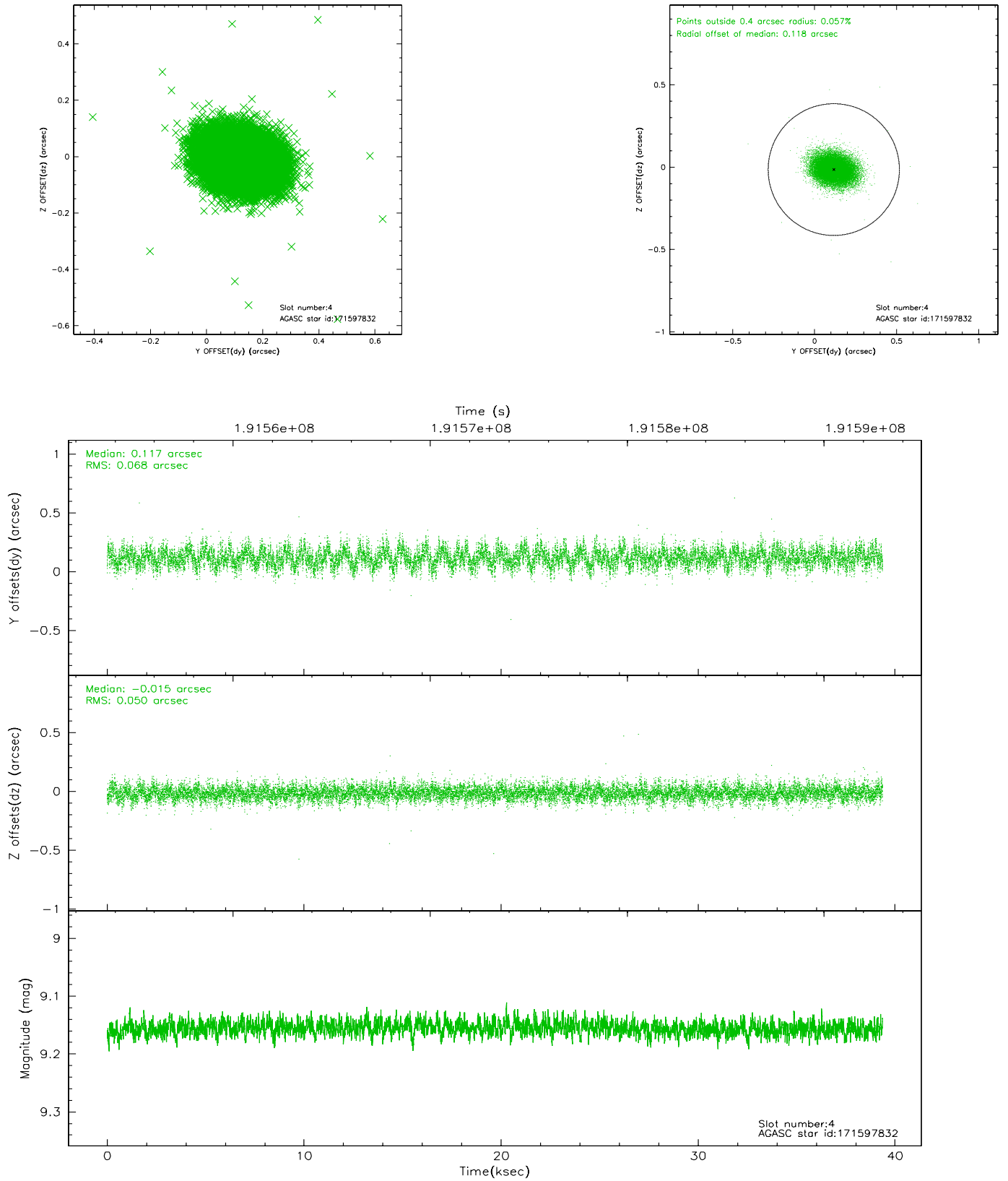
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	9603	-0.027	-0.023	0.007	0.011	0.000000	0.000000	-759.30	-1730.05
1	FID	ACIS-S-4	7.20	9602	0.037	0.019	0.005	0.009	0.000000	0.000000	2154.04	178.45
2	FID	ACIS-S-5	7.23	9600	-0.041	0.013	0.006	0.011	0.000000	0.000000	-1812.13	172.14
3	GUIDE	171586032	8.93	19198	0.044	0.045	0.074	0.119	83.950197	22.083225	-224.68	1128.38
4	GUIDE	171597832	9.16	19196	0.117	-0.015	0.089	0.147	83.183230	21.366702	2168.87	-1611.05
5	GUIDE	171721904	9.20	19192	0.031	0.108	0.105	0.173	84.272676	22.116922	-274.09	2209.67
6	GUIDE	243941560	8.29	19201	-0.173	-0.036	0.055	0.087	83.733264	22.568598	-2017.43	526.91
7	GUIDE	171600224	9.66	19189	-0.020	-0.101	0.106	0.174	82.941815	21.636094	1142.14	-2346.49

2.4 Star Slots

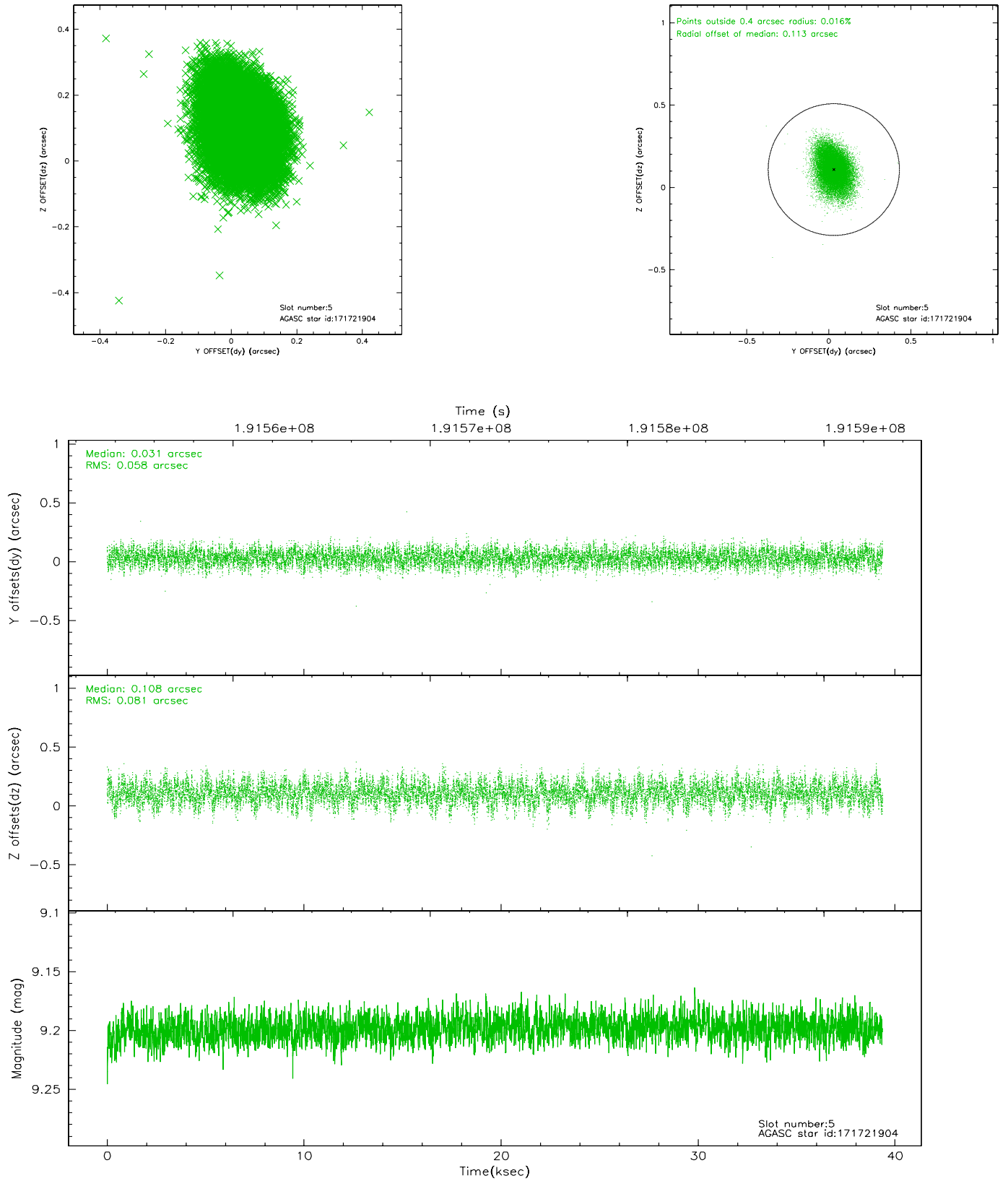
2.4.1 Slot 3



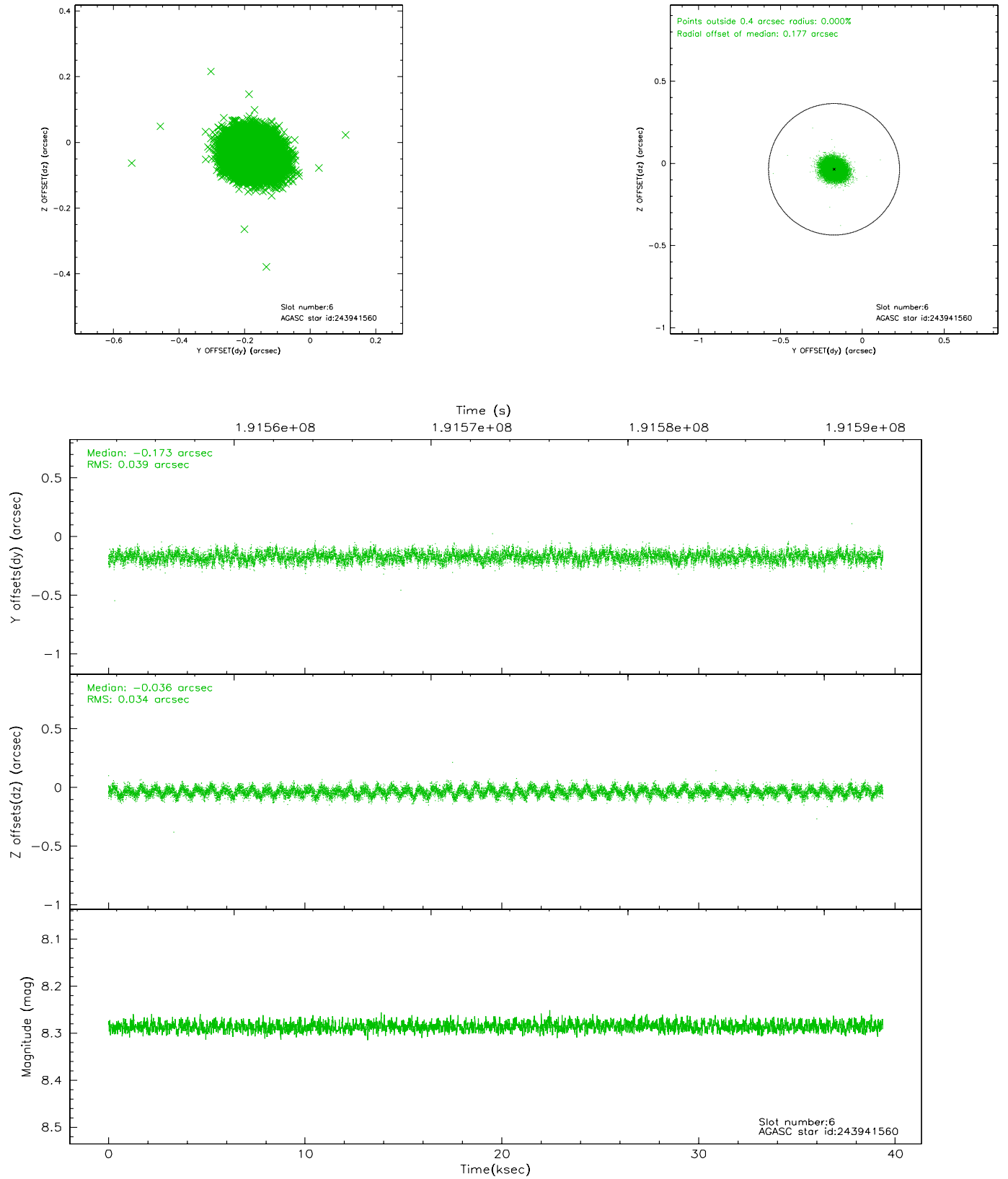
2.4.2 Slot 4



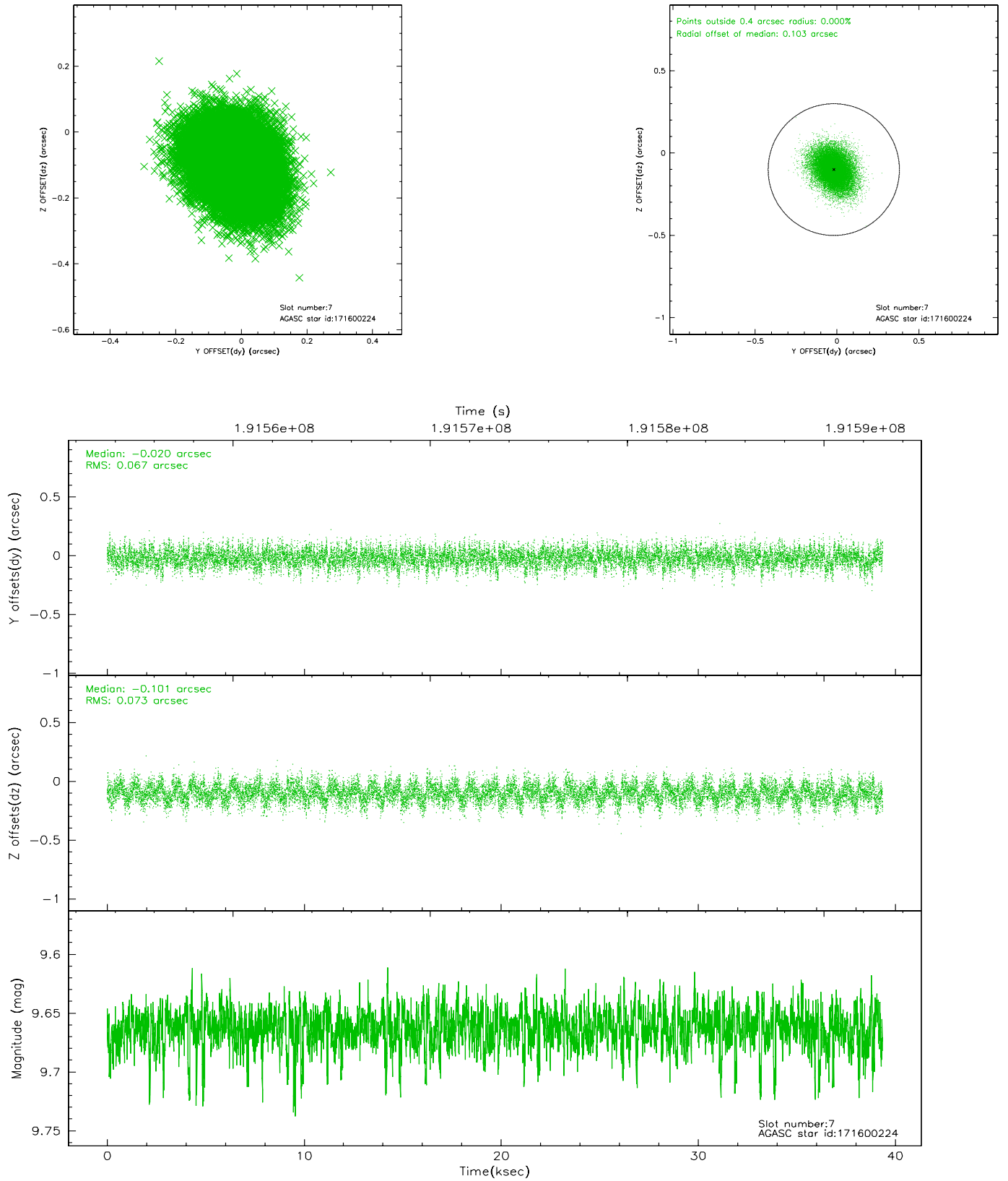
2.4.3 Slot 5



2.4.4 Slot 6

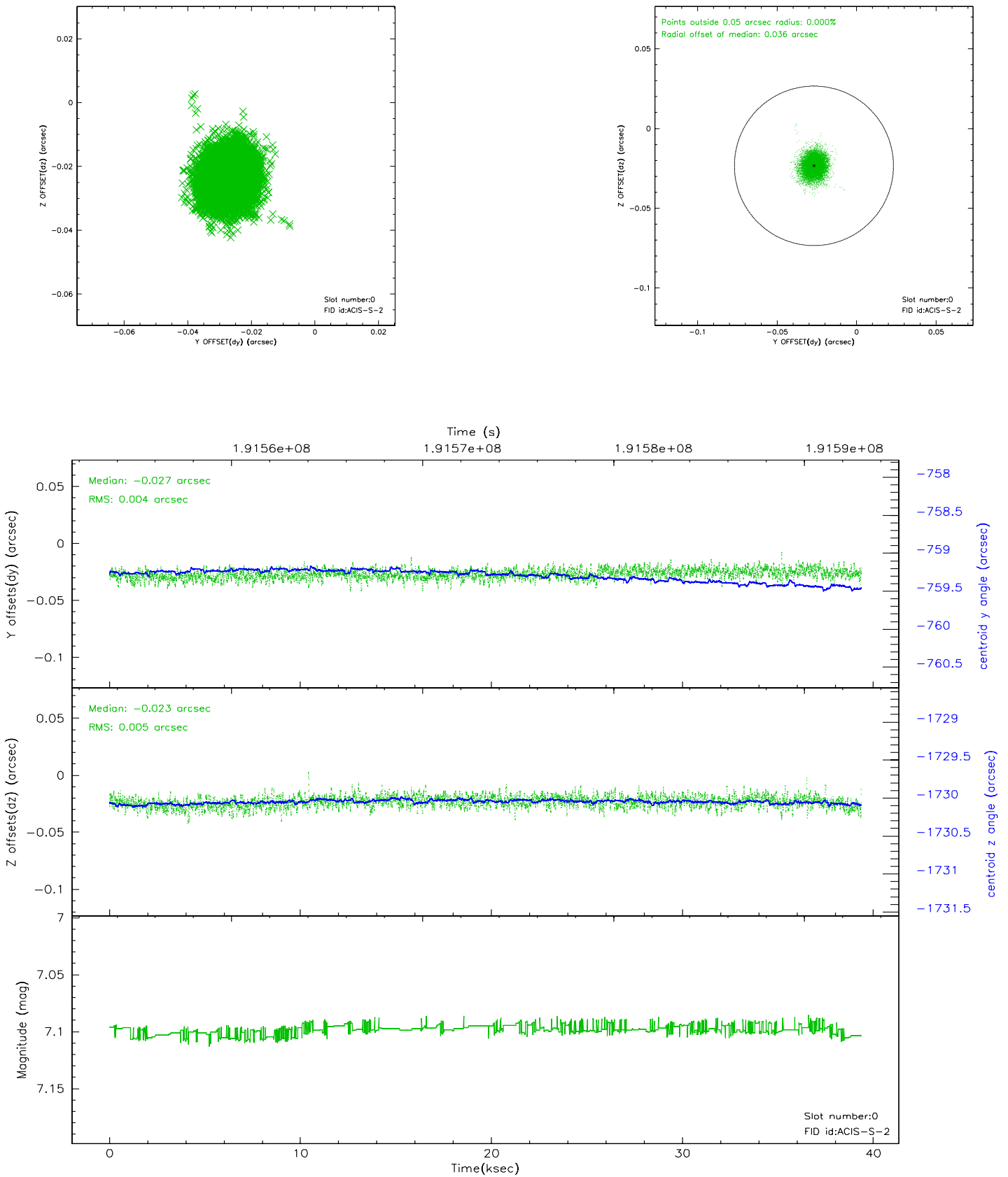


2.4.5 Slot 7

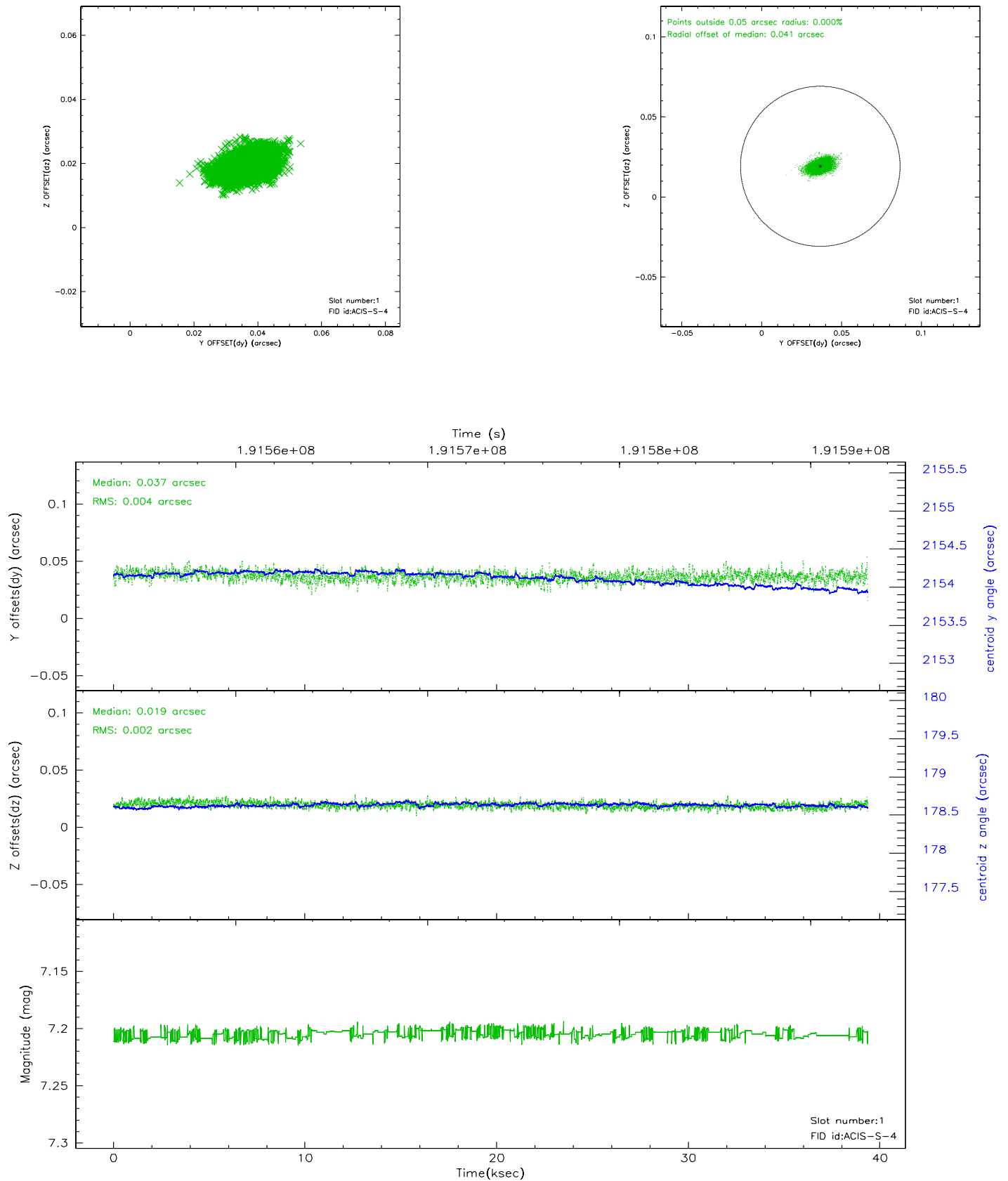


2.5 FID Slots

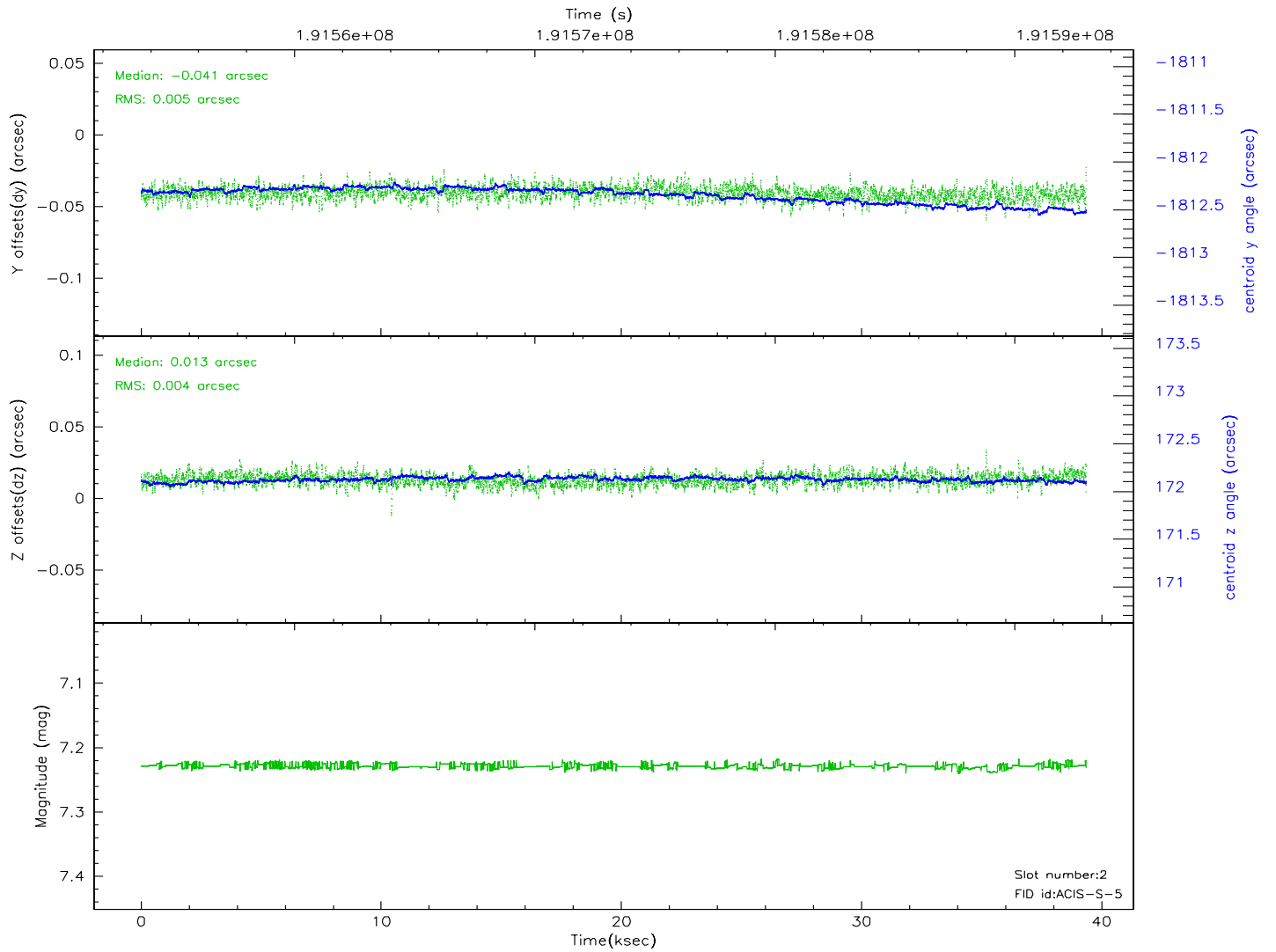
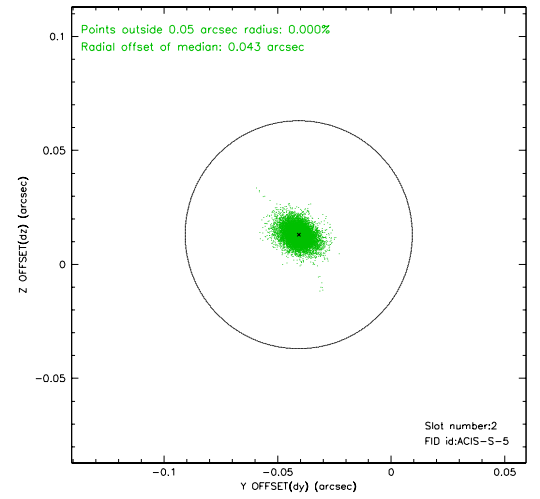
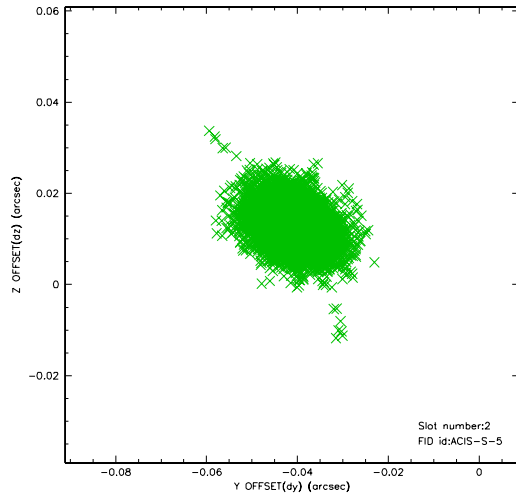
2.5.1 Slot 0



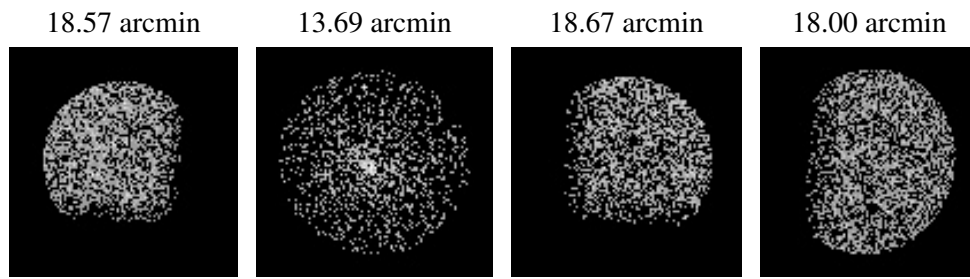
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.06.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	37.743

A.2 Comments

Roll constraint was violated.