

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2853 - L2 Version 001
Chandra X-Ray Center

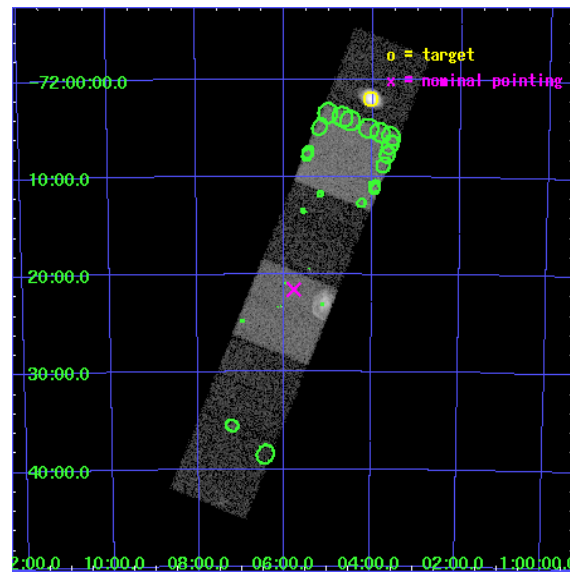
L2 Processing Date : Sep 20 2006

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1 Front

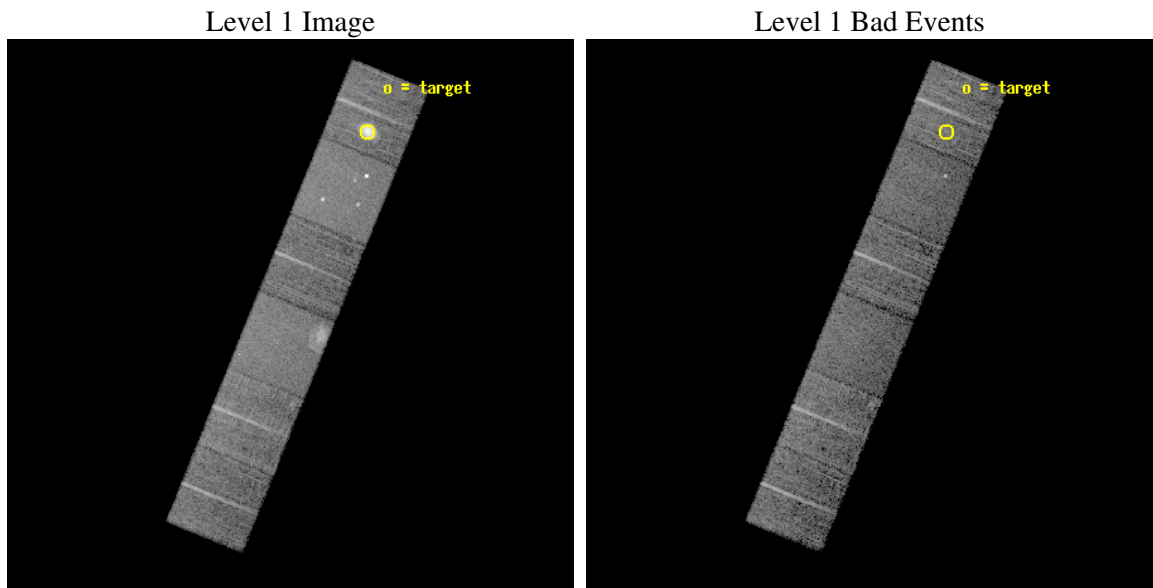
seq_num	590242
obs_id	2853
title	AO3B ACIS-S CALIBRATION OBSERVATIONS OF E0102-72
observer	Dr. CXC Calibration
object	E0102-72.3 [Chip S0, T=120, Offsets=21,0,0]
dtcycle	0
cycle	P
ra_targ	16.01
dec_targ	-72.032028
ra_nom	16.444639545692
dec_nom	-72.359298496527
roll_nom	112.19085762045
revision	2
ontime	7855.9999707341
livetime	7756.5225687894
ontime4	7855.9999707341
ontime5	7855.9999707341
ontime6	7855.9999707341
ontime7	7855.9999707341
ontime8	7855.9999707341
ontime9	7855.9999707341
l2events	102114



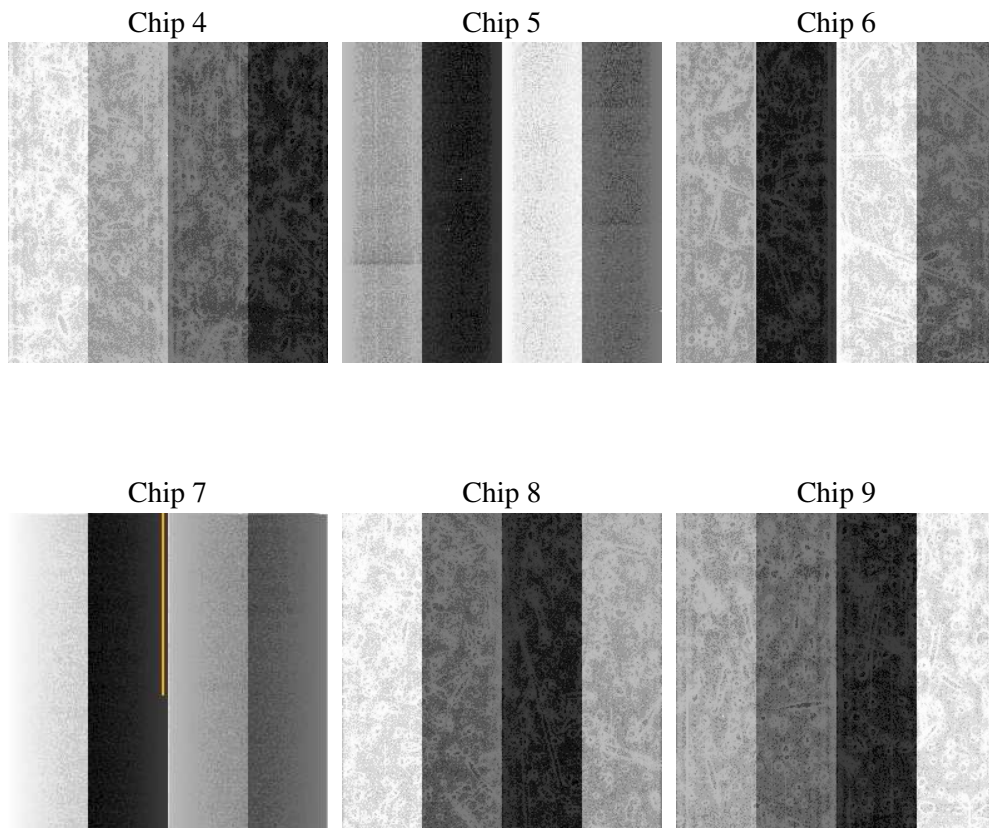
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-09-20T22:48:29
revision	2

sched_exp_time	7900.000000
ontime	7862.6667322516
ontime4	7862.6667322516
ontime5	7862.6667322516
ontime6	7862.6667322516
ontime7	7862.6667322516
ontime8	7862.6667322516
ontime9	7862.6667322516
l1events	397373

2.1.4 Events

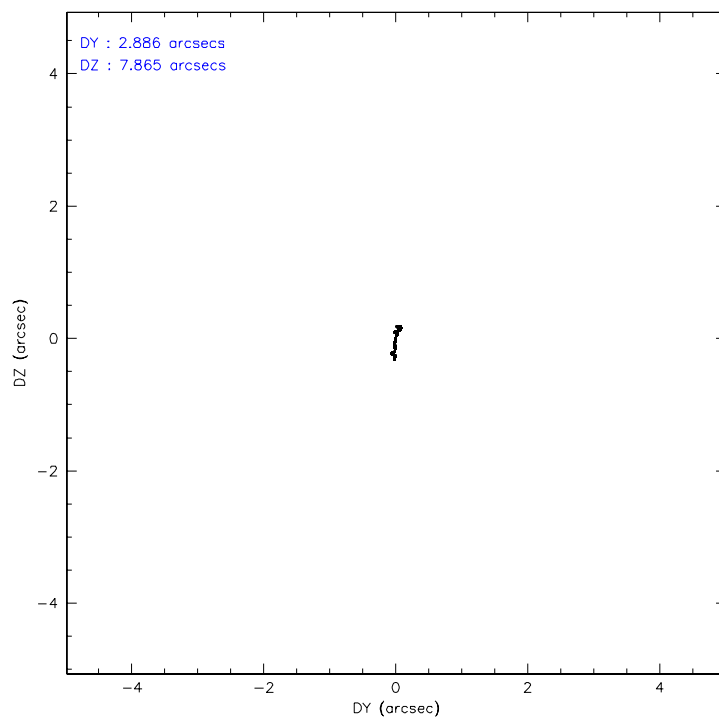
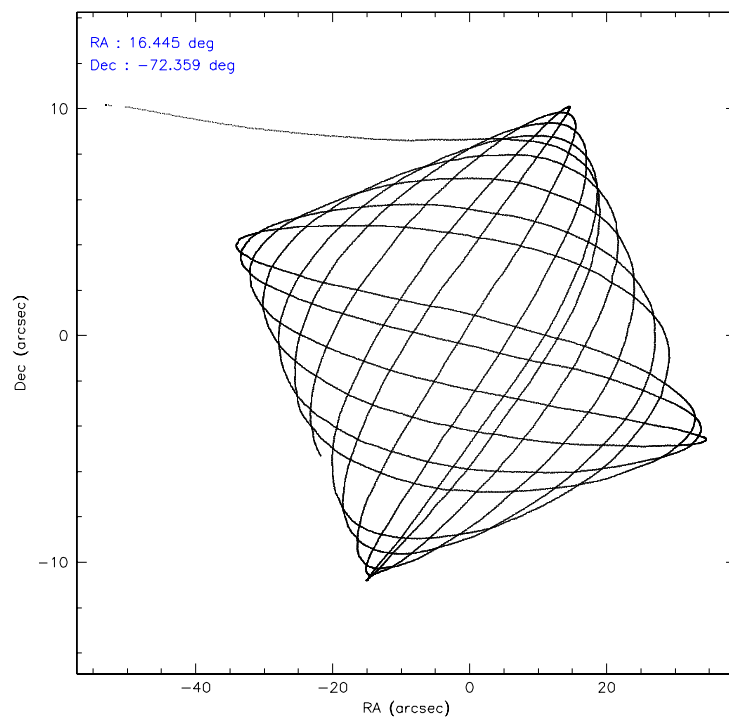
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	78653	78386	52062	73300	65031	49941
rejected events	52922	41829	45856	41916	51999	43603
rejected %	67%	53%	88%	57%	79%	87%

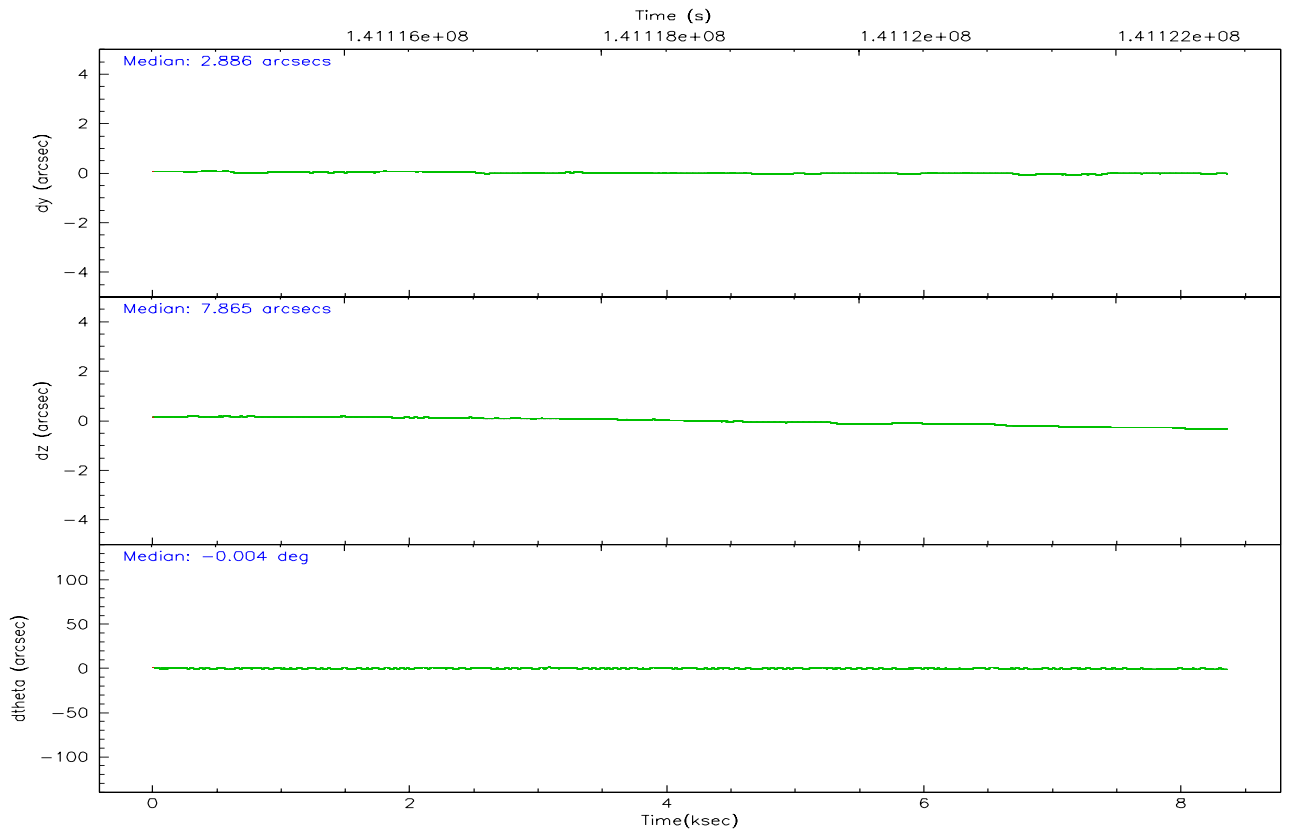
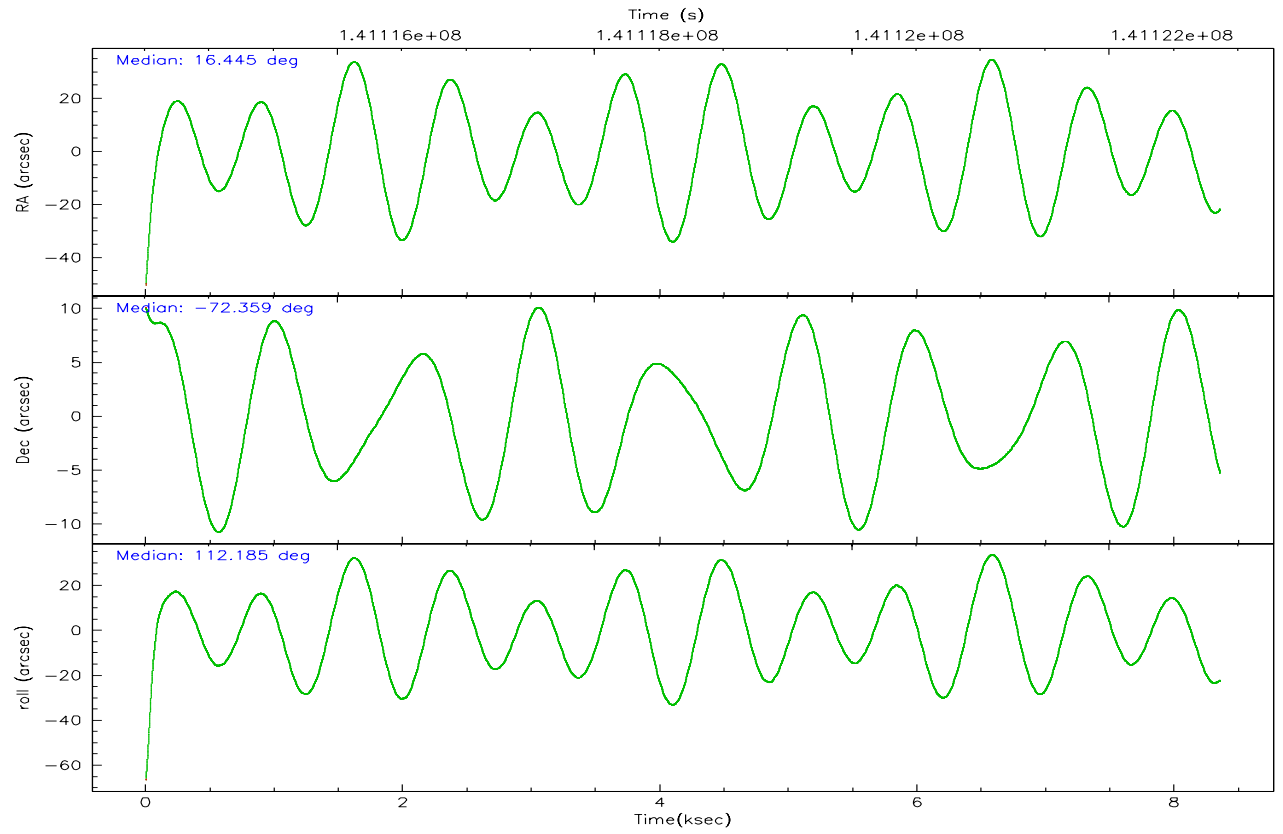
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	20007	4539	2609	3469	4062	2603
	25%	5%	5%	4%	6%	5%
grade 1 events	112	377	22	46	37	18
	0%	0%	0%	0%	0%	0%
grade 2 events	2831	11544	1244	7917	2975	1322
	3%	14%	2%	10%	4%	2%
grade 3 events	861	954	604	2096	1346	584
	1%	1%	1%	2%	2%	1%
grade 4 events	852	884	591	1978	1249	574
	1%	1%	1%	2%	1%	1%
grade 5 events	1888	3617	2297	4572	2887	2296
	2%	4%	4%	6%	4%	4%
grade 6 events	1205	18663	1164	15942	3405	1261
	1%	23%	2%	21%	5%	2%
grade 7 events	50897	37808	43531	37280	49070	41283
	64%	48%	83%	50%	75%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	16.516494	16.44463954569176	Subarray requested	NONE	NONE
Pointing Dec	-72.375782	-72.35929849652656	Alternating exposures requested	N	N
Pointing Roll	112.102748	112.1908576204493	Primary exposure time	0.000000	3.2
Window start time	139276864.184000	139276864.184000			
Window stop time	141782464.184000	141782464.184000			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	141114973.184000	141113876.35303			
Observation start date	2002-06-22T06:35:09	2002-06-22T06:17:56			
Observation end time	141122873.184000	141123007.0534			
Observation end date	2002-06-22T08:46:49	2002-06-22T08:50:07			
Read mode	TIMED	TIMED			

2.3 Aspect



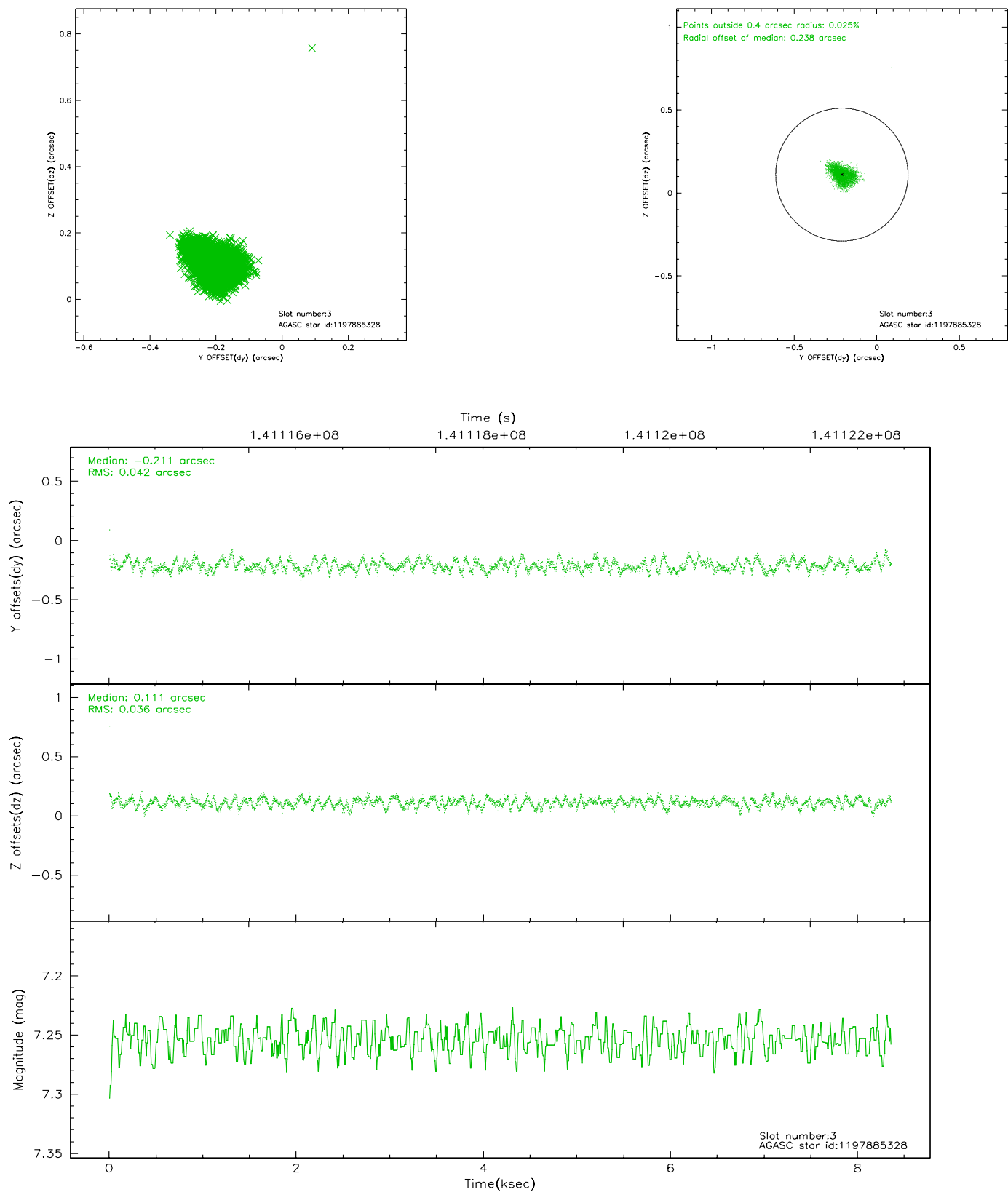


Slot Statistics

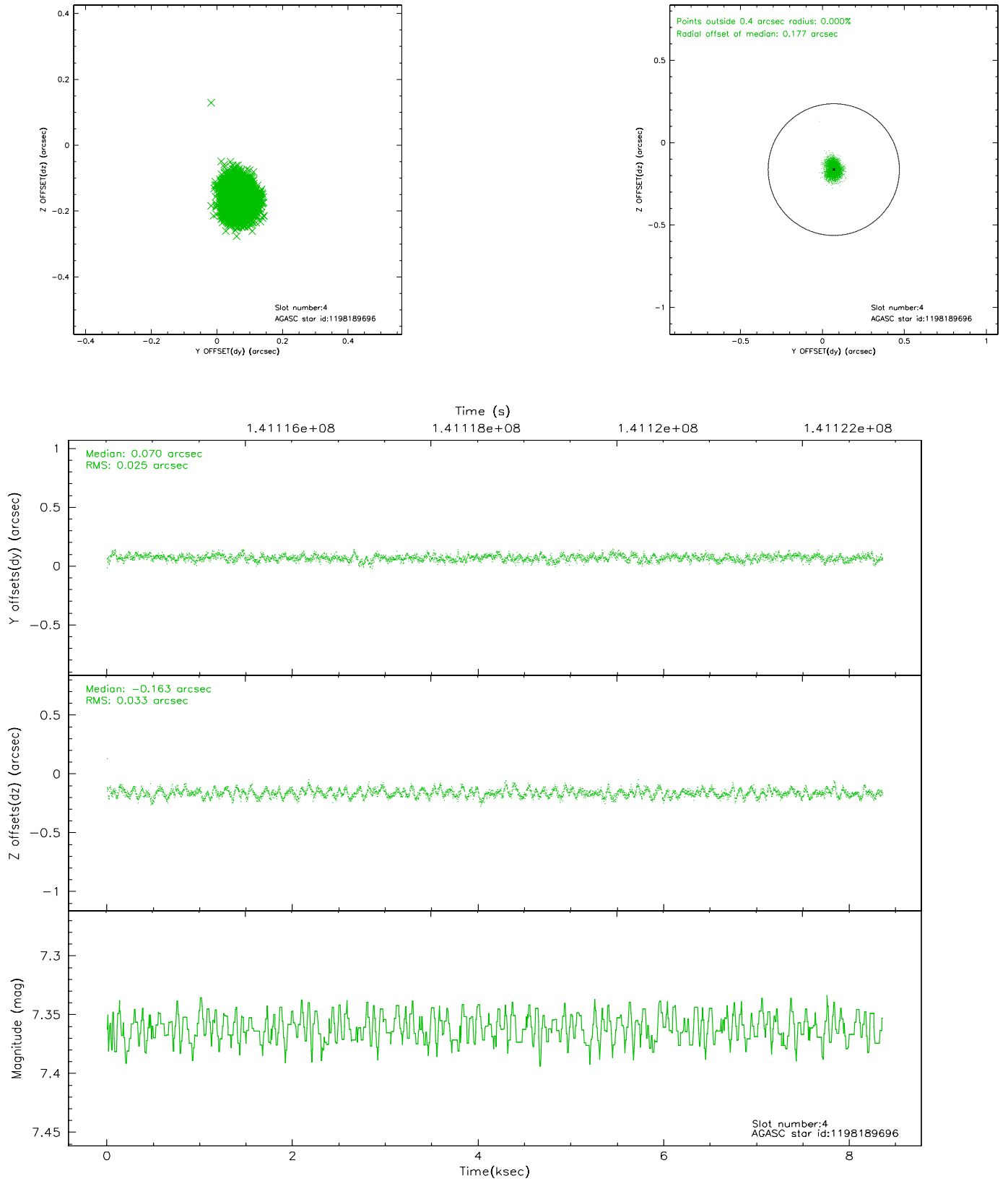
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2038	0.005	0.023	0.007	0.011	0.000000	0.000000	-755.53	-1728.96
1	FID	ACIS-S-4	7.20	2039	-0.074	-0.008	0.005	0.009	0.000000	0.000000	2157.37	178.80
2	FID	ACIS-S-5	7.24	2039	0.038	-0.005	0.006	0.011	0.000000	0.000000	-1807.48	173.25
3	GUIDE	1197885328	7.25	4075	-0.211	0.111	0.059	0.091	16.283090	-71.733943	2239.53	-625.01
4	GUIDE	1198189696	7.36	4076	0.070	-0.163	0.044	0.070	15.223750	-72.697522	-565.58	1723.49
5	GUIDE	1197884536	8.50	4076	-0.052	0.029	0.066	0.106	17.160729	-71.835289	1527.35	-1399.83
6	GUIDE	1198283128	7.61	4077	-0.047	0.098	0.049	0.077	17.272580	-72.642428	-1199.07	-389.48
7	GUIDE	1198282744	9.00	4075	0.242	-0.073	0.063	0.101	17.028326	-73.013356	-2331.19	365.47

2.4 Star Slots

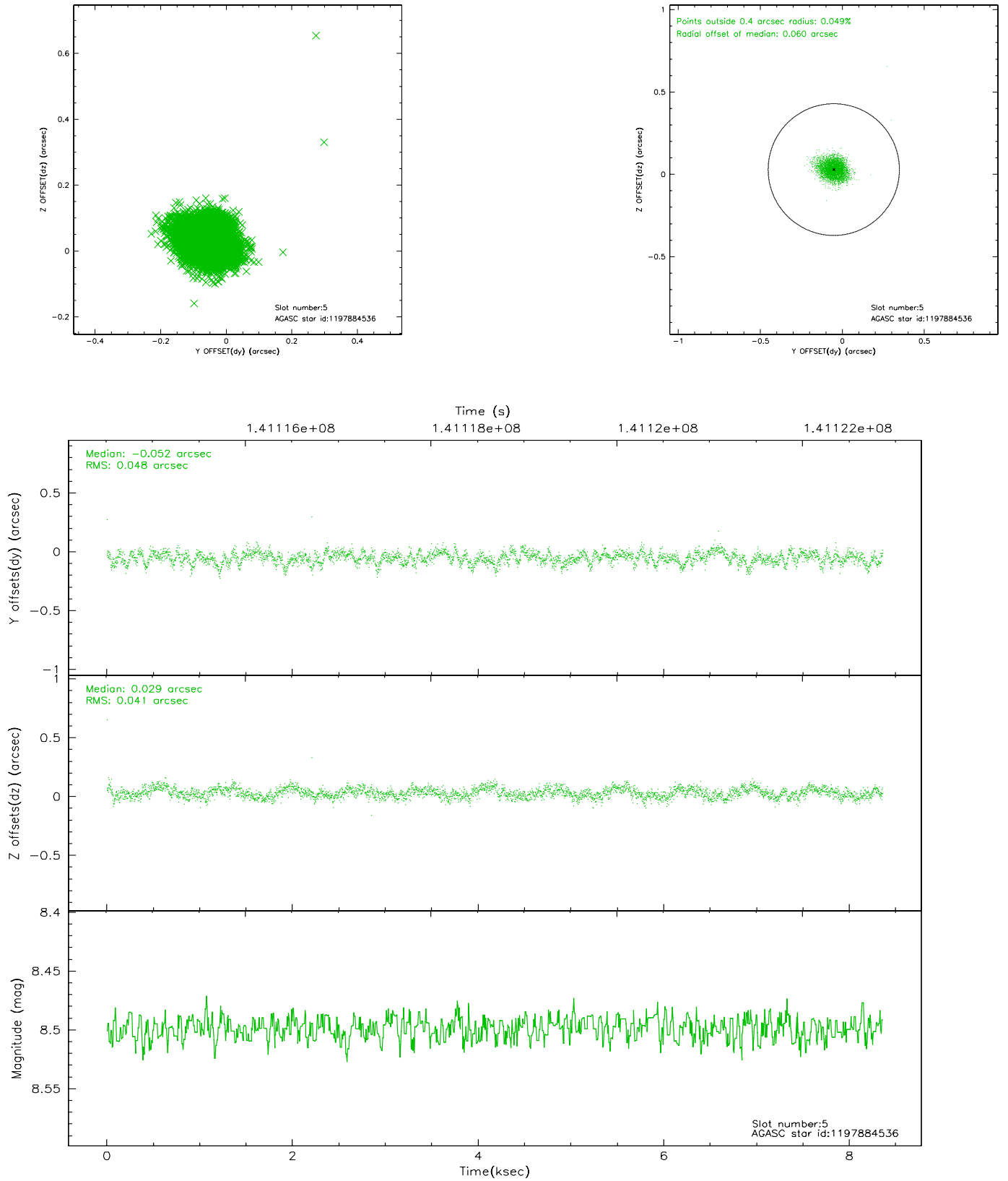
2.4.1 Slot 3



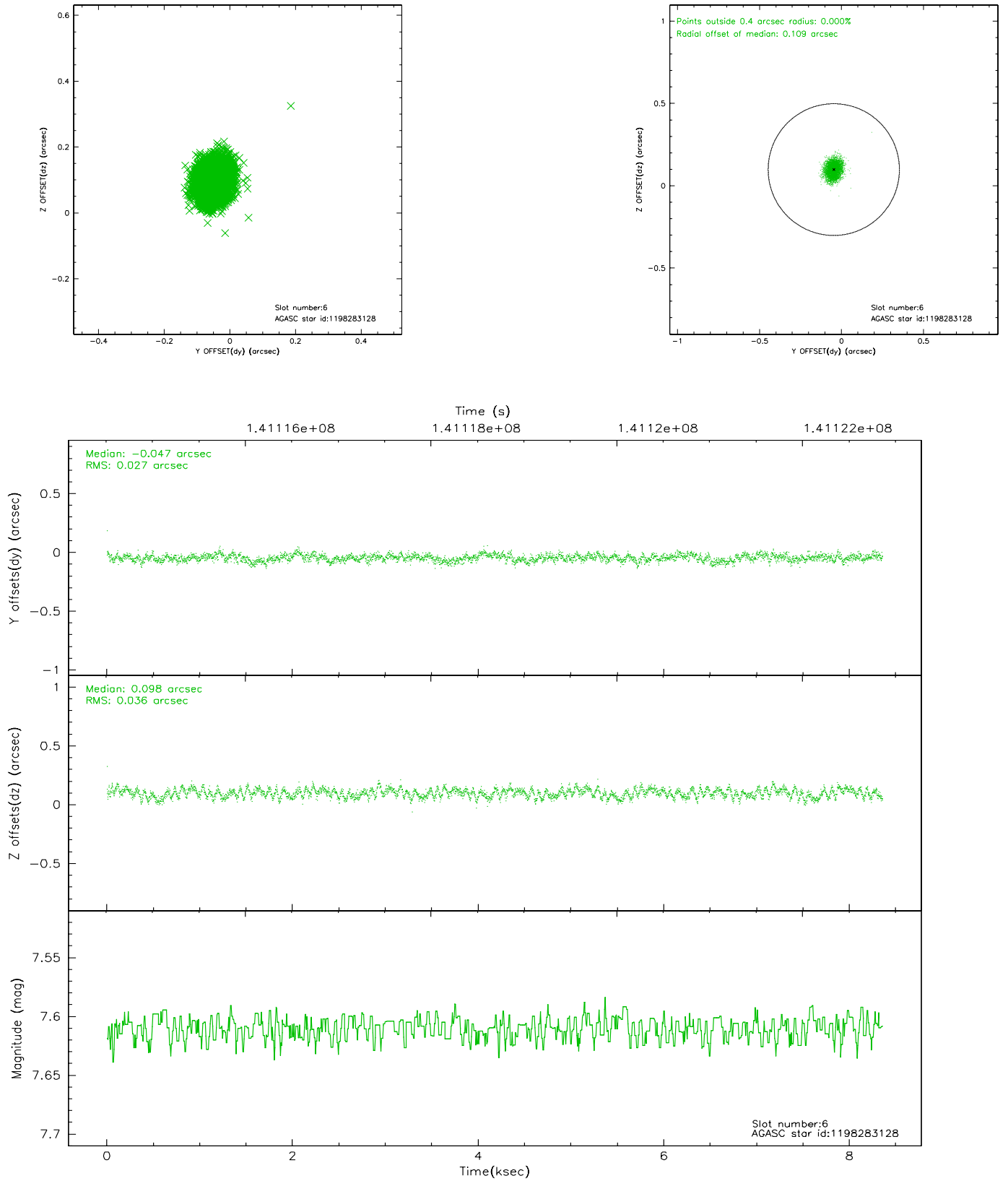
2.4.2 Slot 4



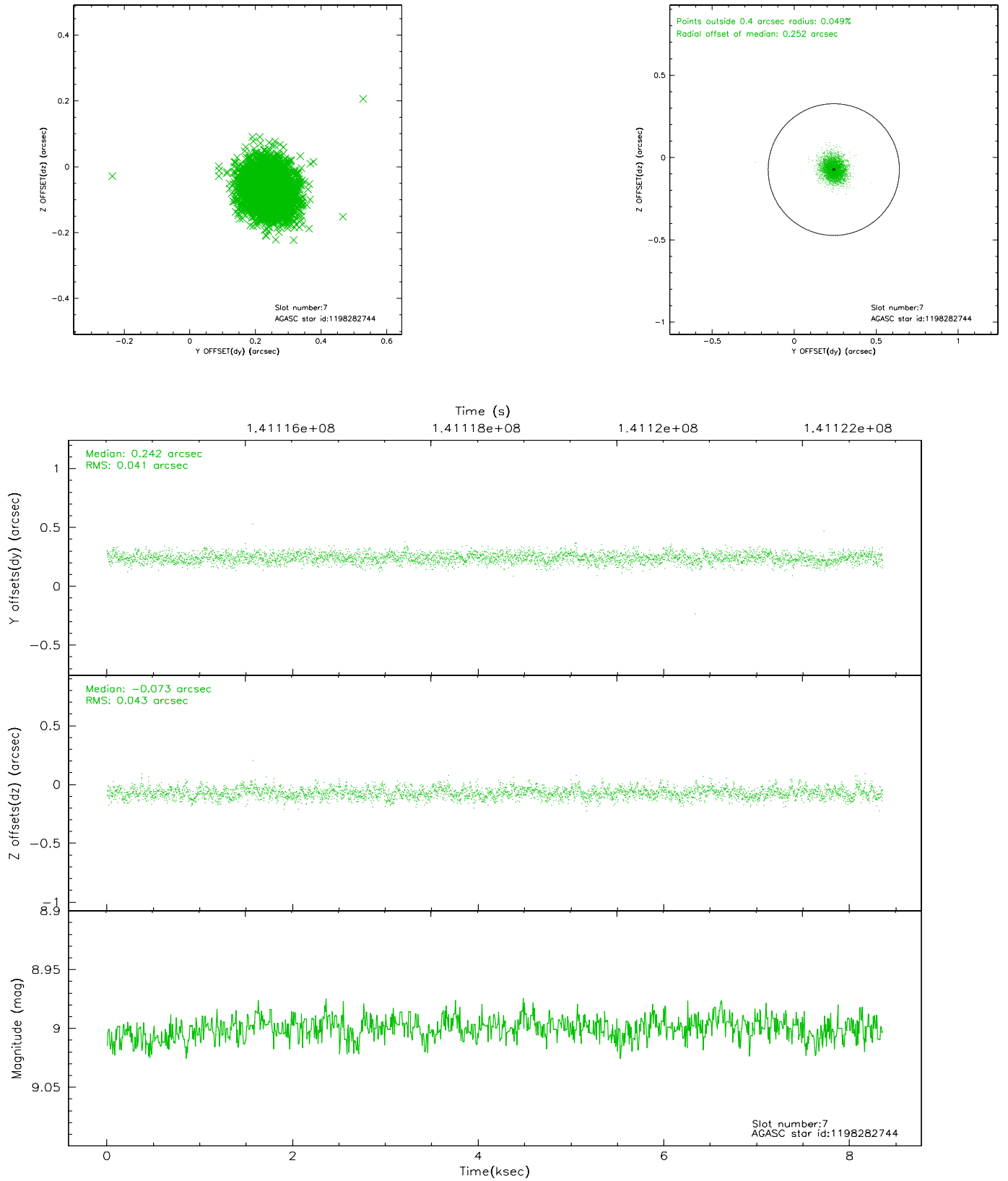
2.4.3 Slot 5



2.4.4 Slot 6

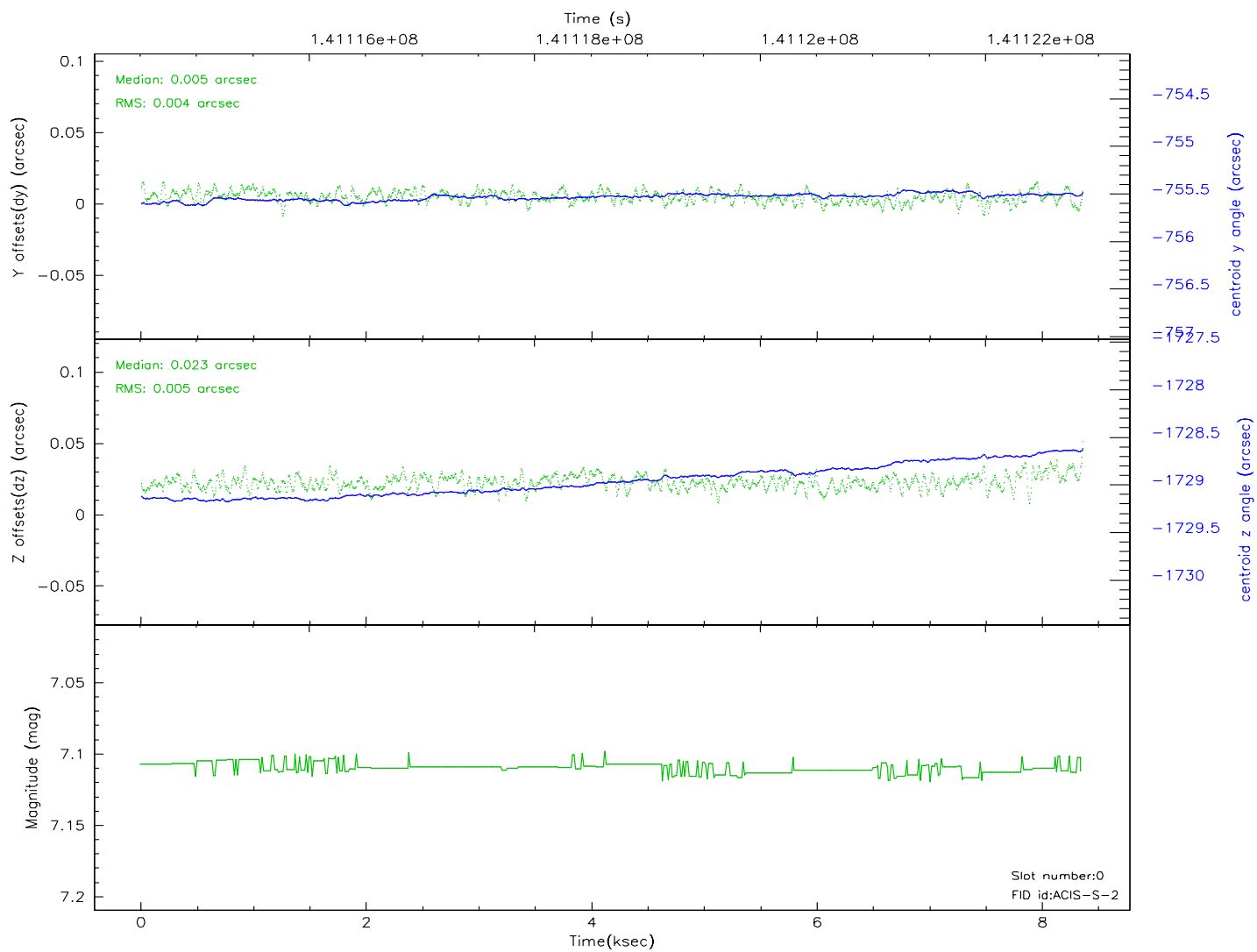
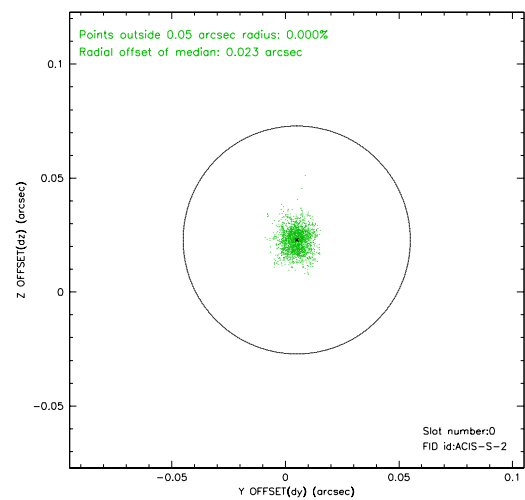
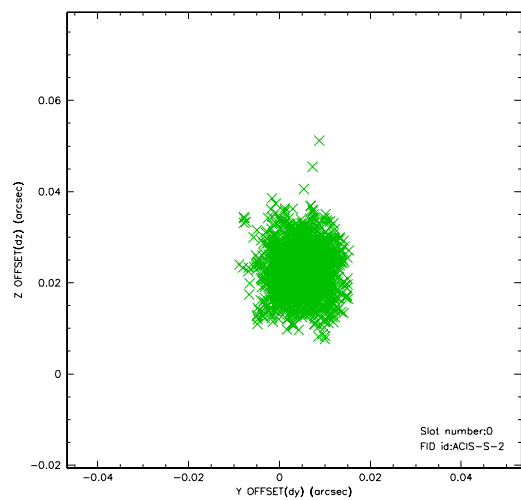


2.4.5 Slot 7

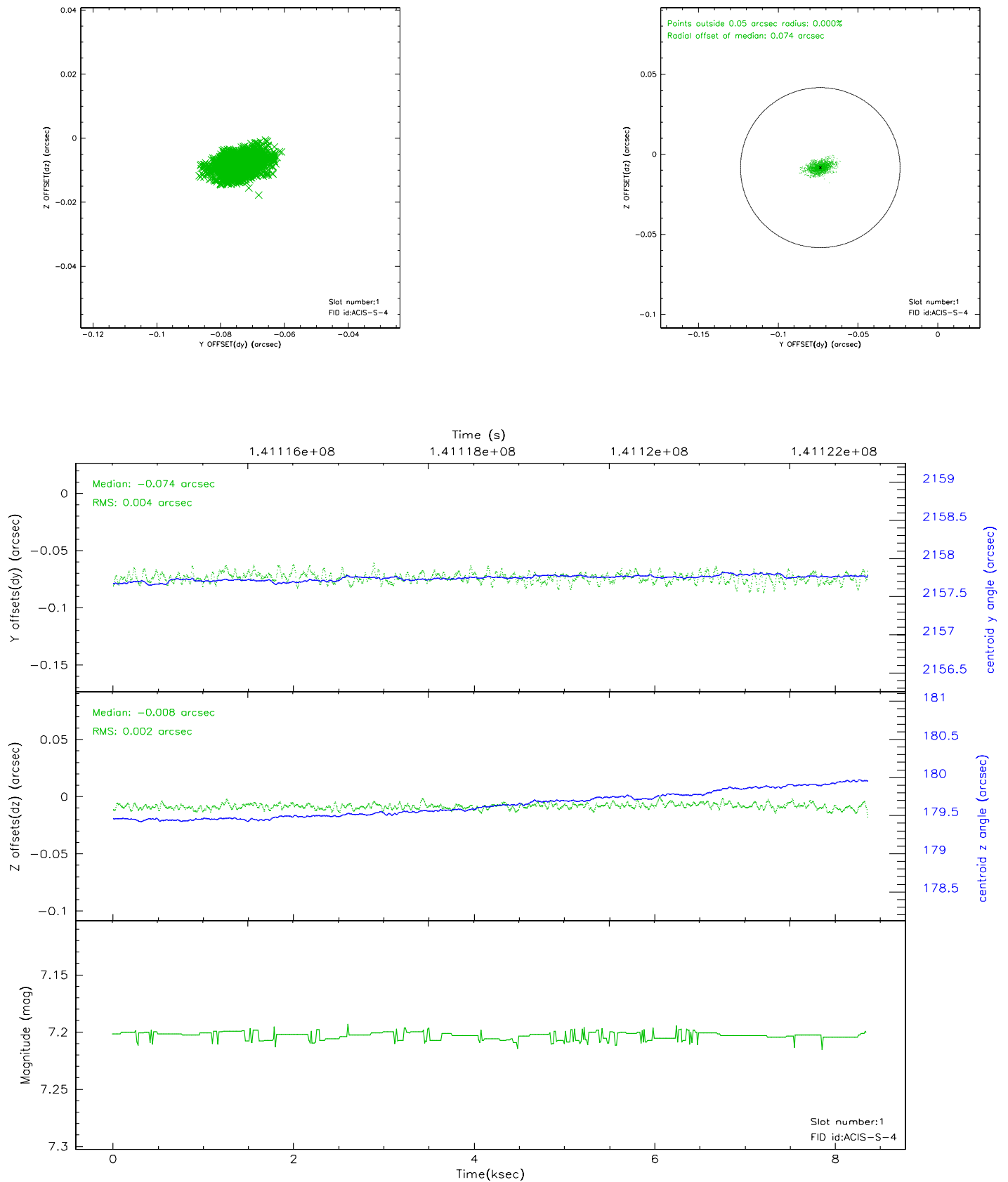


2.5 FID Slots

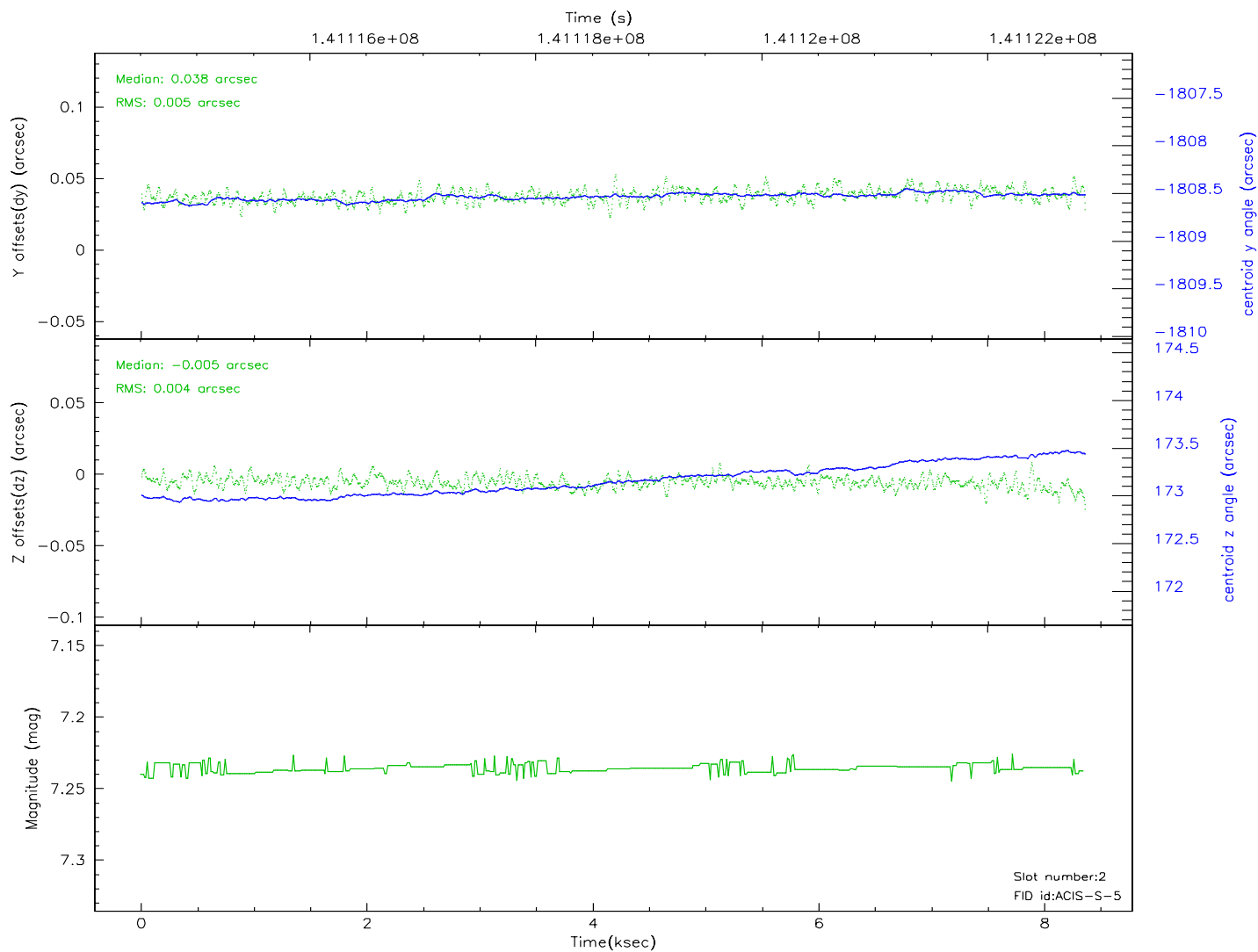
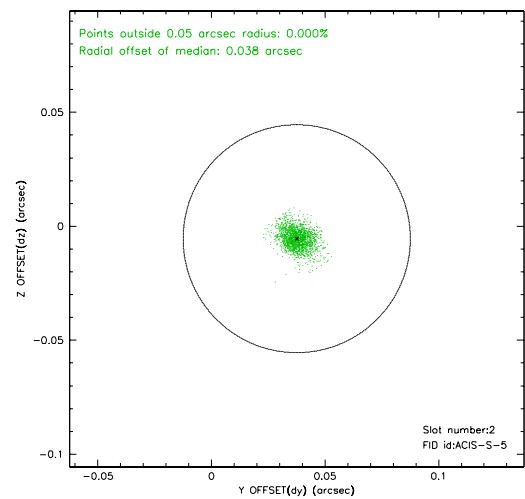
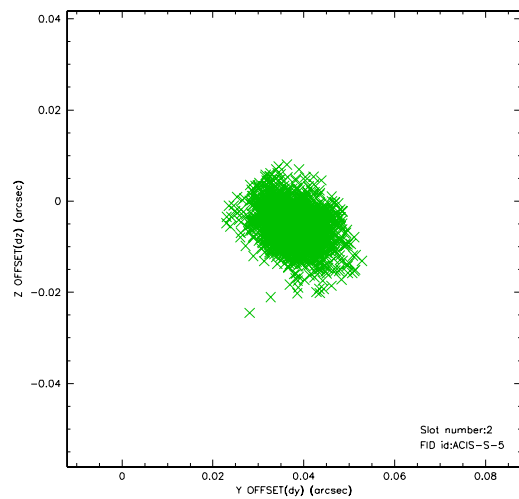
2.5.1 Slot 0



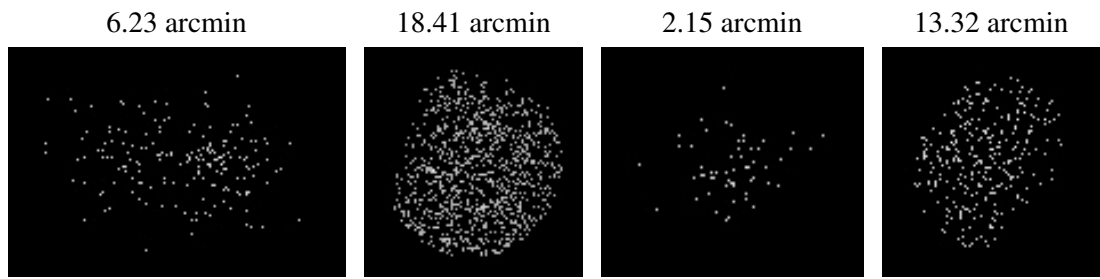
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.09.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.859

A.2 Comments

Window constraint satisfied.