

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 1028 - L2 Version 001
Chandra X-Ray Center

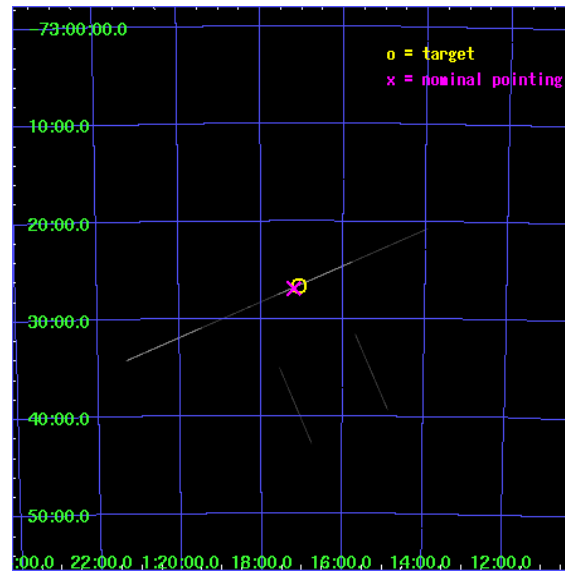
L2 Processing Date : Jun 16 2007

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1 Front

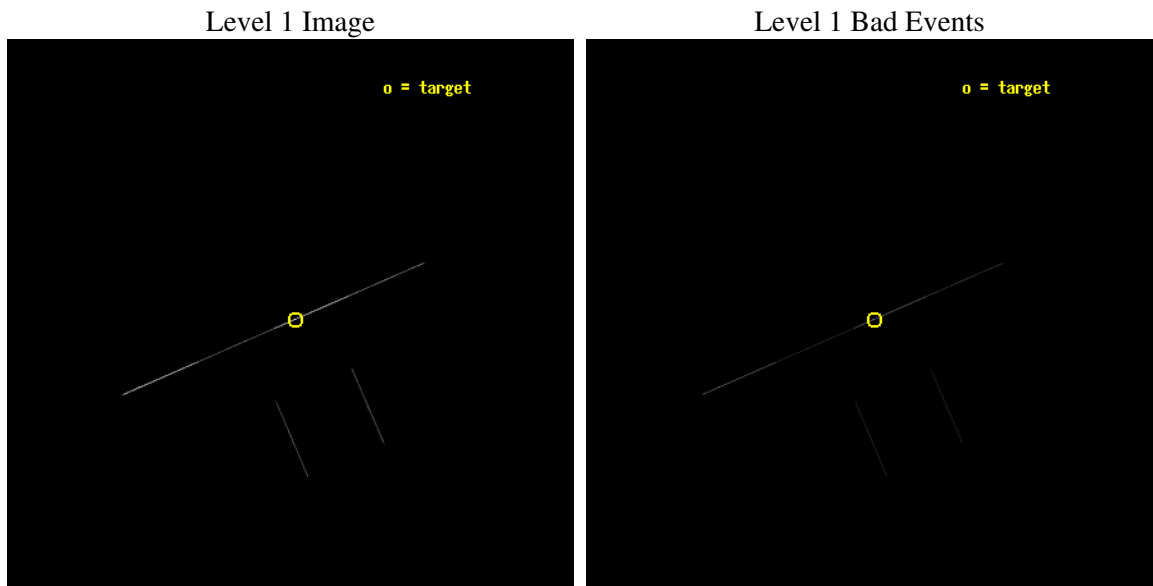
seq_num	400106
obs_id	1028
title	HIGH RESOLUTION UV/X-RAY SPECTROSCOPY OF SMC X-1
observer	Dr. Saeqa Vrtilek
object	SMC X-1
ra_targ	19.271667
dec_targ	-73.442944
ra_nom	19.300402512587
dec_nom	-73.448377304847
roll_nom	336.61286844832
revision	3
ontime	6325.0
livetime	6300.29296875
ontime2	6325.0
ontime3	6325.0
ontime5	6325.0
ontime6	6325.0
ontime7	6325.0
ontime8	6325.0
l2events	172859



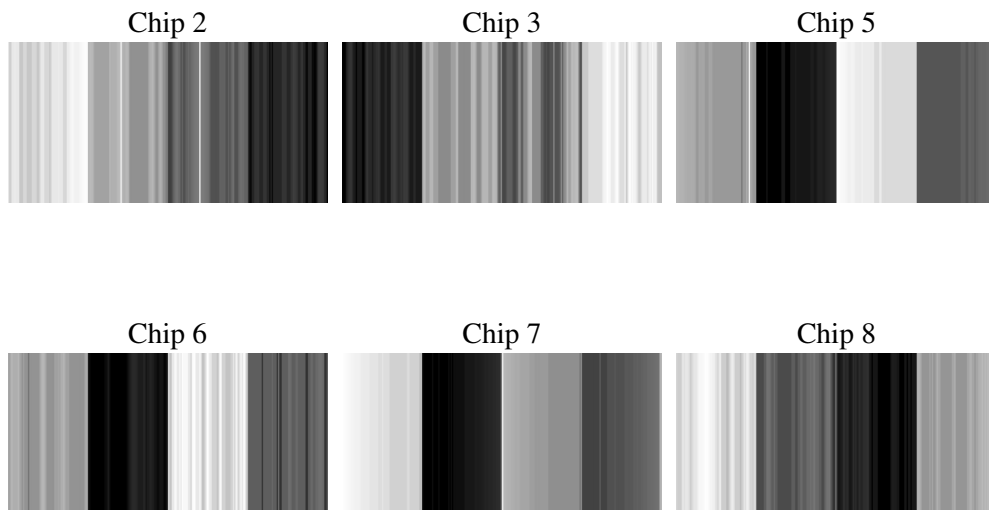
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldbver	3.4.0
date	2007-06-16T10:44:20
revision	3

sched_exp_time	6000.000000
ontime	6325.0
ontime2	6325.0
ontime3	6325.0
ontime5	6325.0
ontime6	6325.0
ontime7	6325.0
ontime8	6325.0
l1events	223592

2.1.4 Events

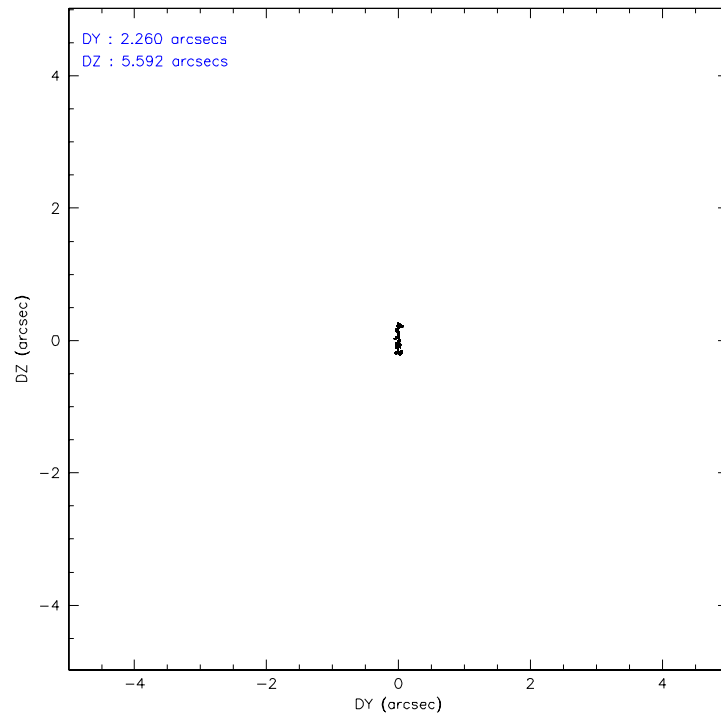
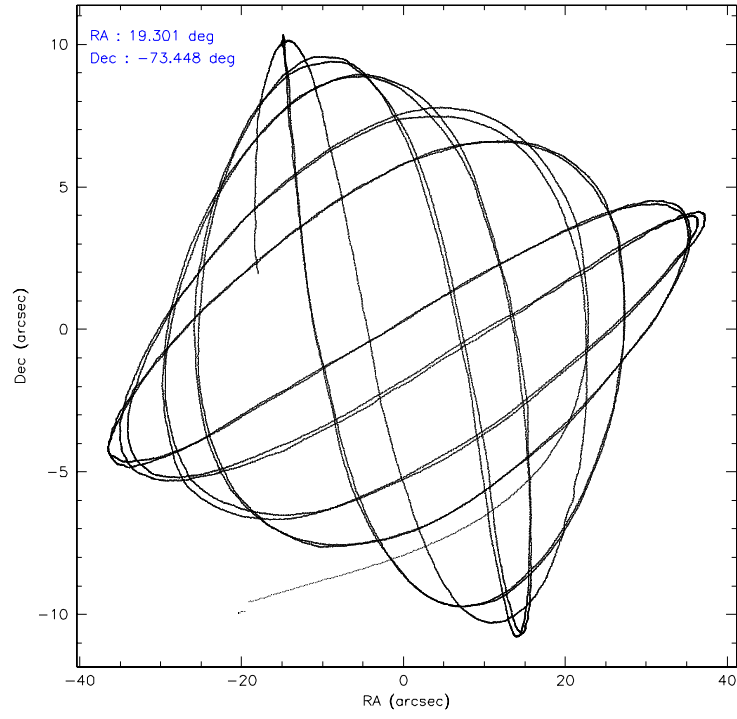
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	8255	8419	82320	9862	97697	17039
rejected events	2026	2037	9021	2148	9015	3570
rejected %	24%	24%	10%	21%	9%	20%

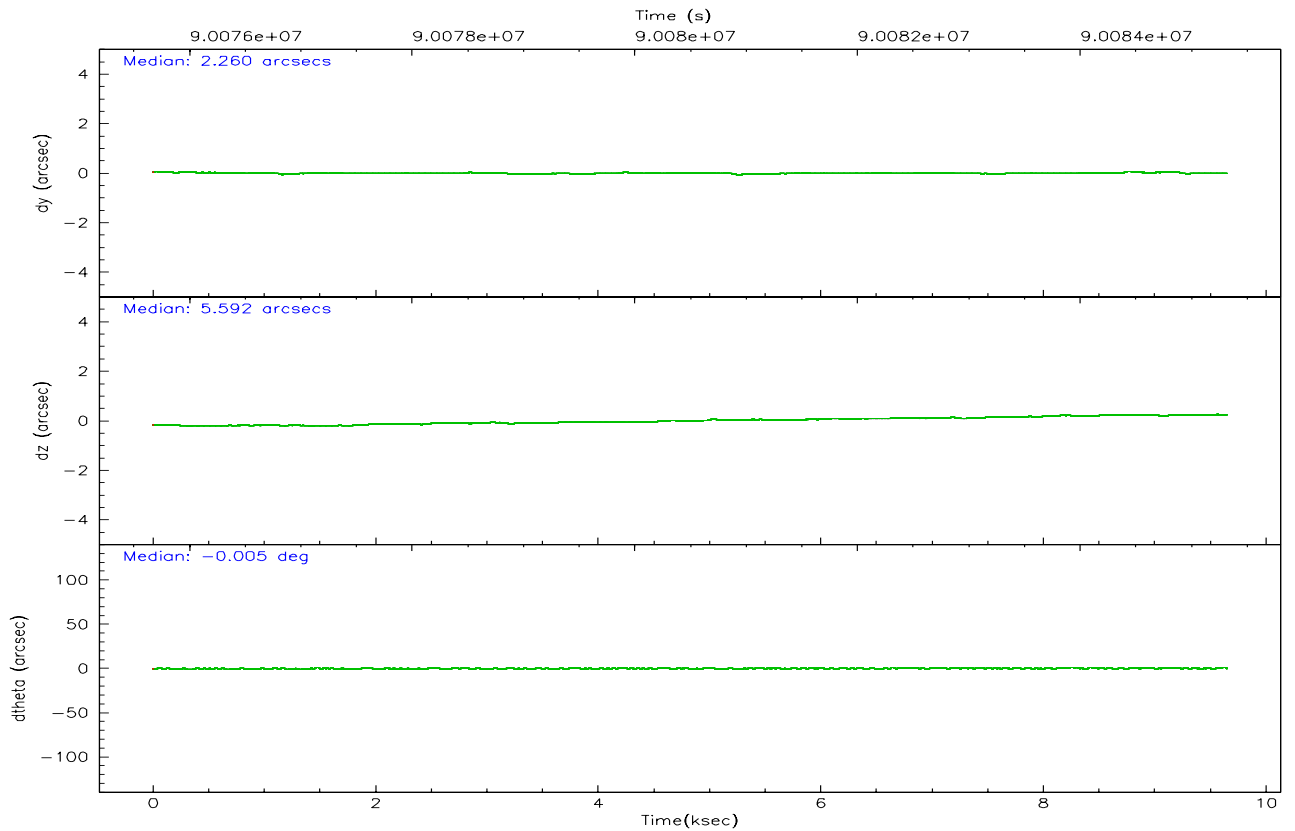
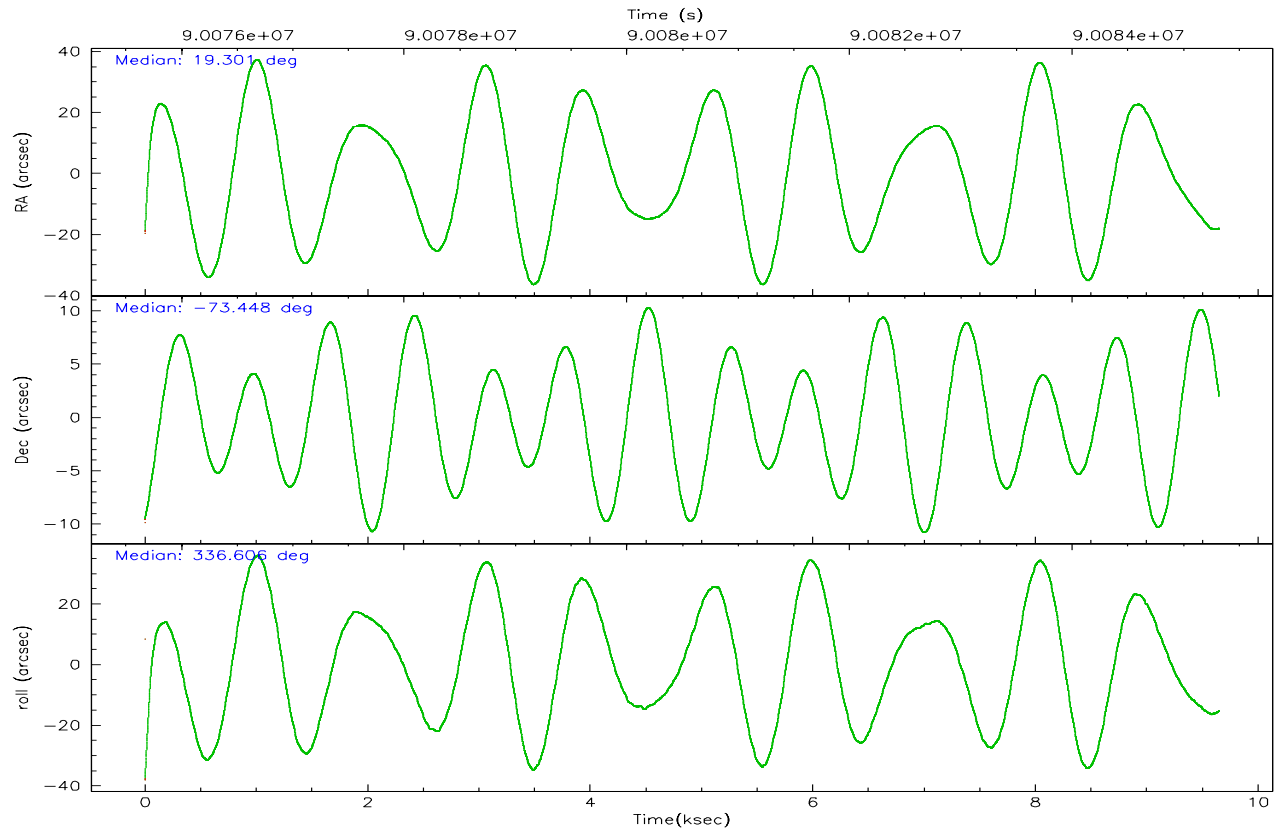
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	997	887	17483	1618	18543	2823
	12%	10%	21%	16%	18%	16%
grade 1 events	28	28	77	29	86	49
	0%	0%	0%	0%	0%	0%
grade 2 events	2541	2610	23563	3020	21553	4650
	30%	31%	28%	30%	22%	27%
grade 3 events	1004	1147	2842	1091	8614	1925
	12%	13%	3%	11%	8%	11%
grade 4 events	1069	1026	2866	1099	8437	1944
	12%	12%	3%	11%	8%	11%
grade 5 events	1266	1292	4249	1411	4986	2062
	15%	15%	5%	14%	5%	12%
grade 6 events	1350	1429	31240	1594	35478	3586
	16%	16%	37%	16%	36%	21%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	19.205146	19.30040251258725	Subarray requested	NONE	NONE
Pointing Dec	-73.451745	-73.44837730484716	Alternating exposures requested	N	N
Pointing Roll	336.364947	336.6128684483214	Primary exposure time	0.000000	0
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			
Phase constraints	Y	Y			
Phase period	3.892000	3.892000			
Phase epoch	50141.466800	50141.466800			
Phase start	0.000000	0.000000			
Phase end	0.800000	0.800000			
Phase start error	0.050000	0.050000			
Phase end error	0.050000	0.050000			
Observation start time	90076003.184000	90074977.18732899			
Observation start date	2000-11-08T13:05:39	2000-11-08T12:49:37			
Observation end time	90082003.184000	90085817.58774			
Observation end date	2000-11-08T14:45:39	2000-11-08T15:50:17			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



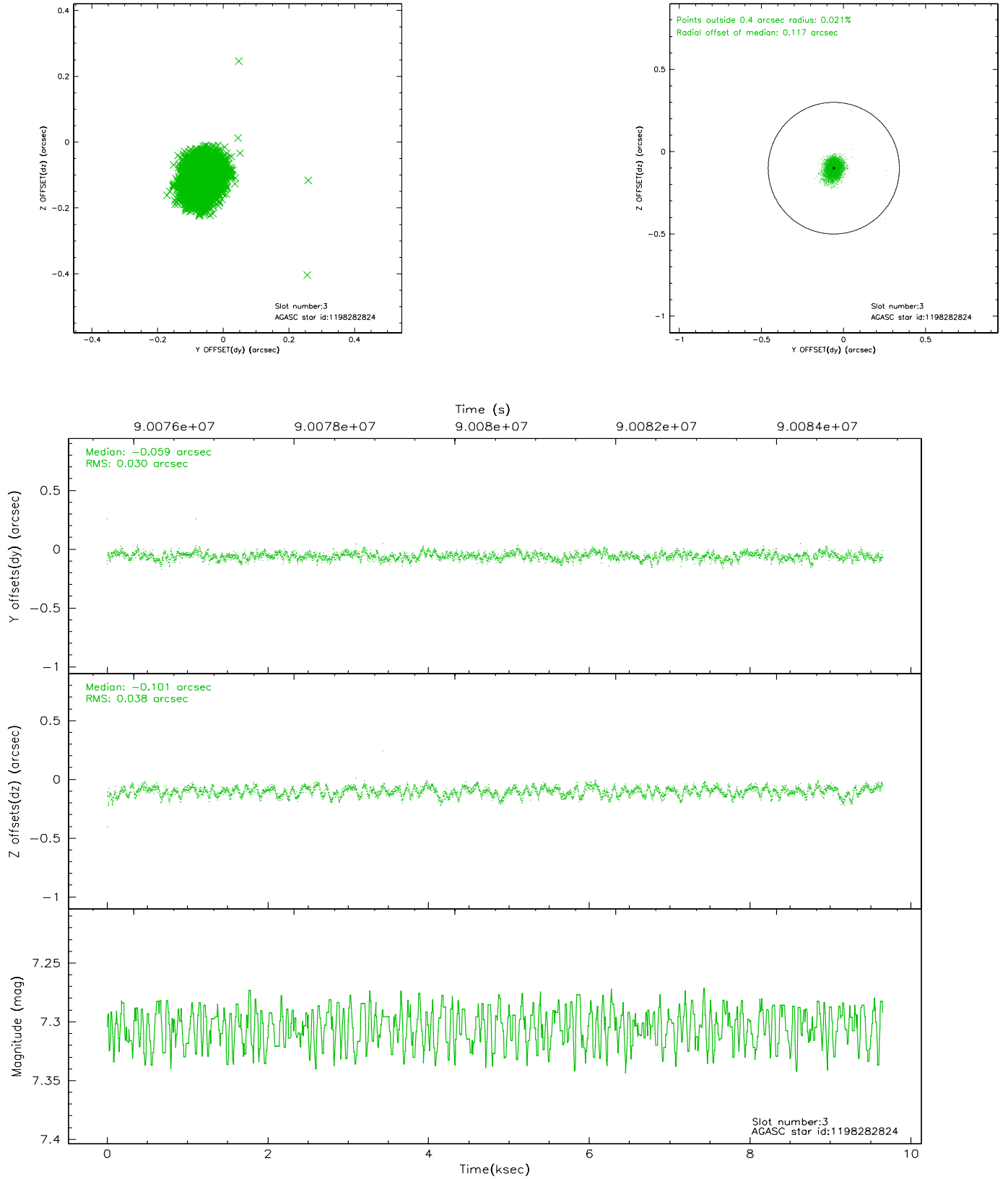


Slot Statistics

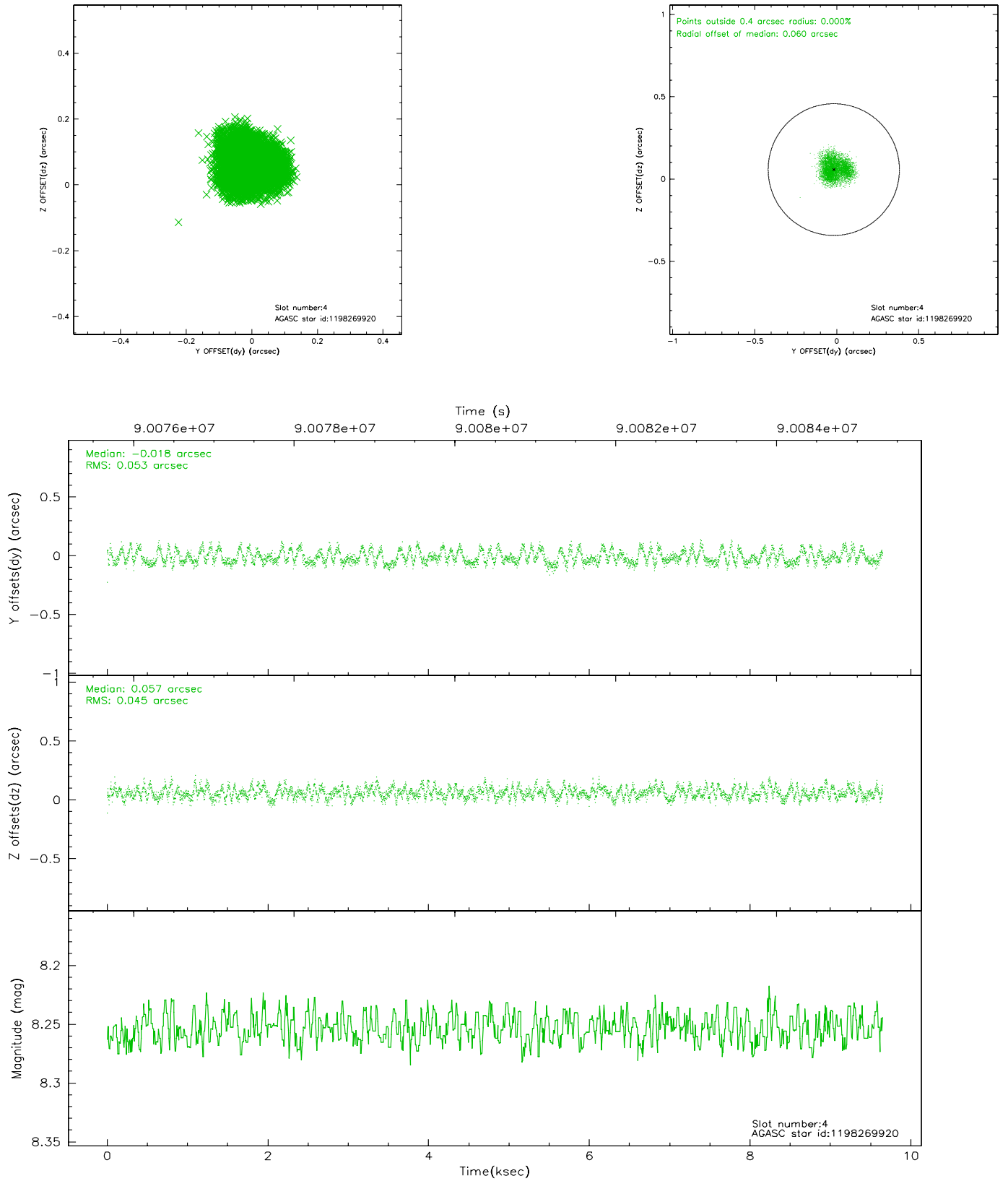
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	2355	-0.037	0.017	0.006	0.010	0.000000	0.000000	-754.88	-1726.72
1	FID	ACIS-S-4	7.20	2354	-0.040	0.013	0.005	0.008	0.000000	0.000000	2158.10	181.24
2	FID	ACIS-S-5	7.23	2355	0.046	-0.021	0.006	0.010	0.000000	0.000000	-1806.96	175.43
3	GUIDE	1198282824	7.30	4709	-0.059	-0.101	0.051	0.083	18.044095	-73.907062	-400.10	-1976.92
4	GUIDE	1198269920	8.25	4709	-0.018	0.057	0.077	0.114	20.316466	-73.033728	469.53	1836.06
5	GUIDE	1198276744	8.61	4707	-0.012	-0.043	0.059	0.097	19.489008	-74.153493	1268.51	-2203.00
6	GUIDE	1198283120	9.34	4708	0.013	-0.007	0.078	0.128	18.724531	-73.257934	-735.94	436.60
7	GUIDE	1198268712	8.54	4704	0.065	0.096	0.056	0.091	21.961983	-73.269598	2379.02	1685.62

2.4 Star Slots

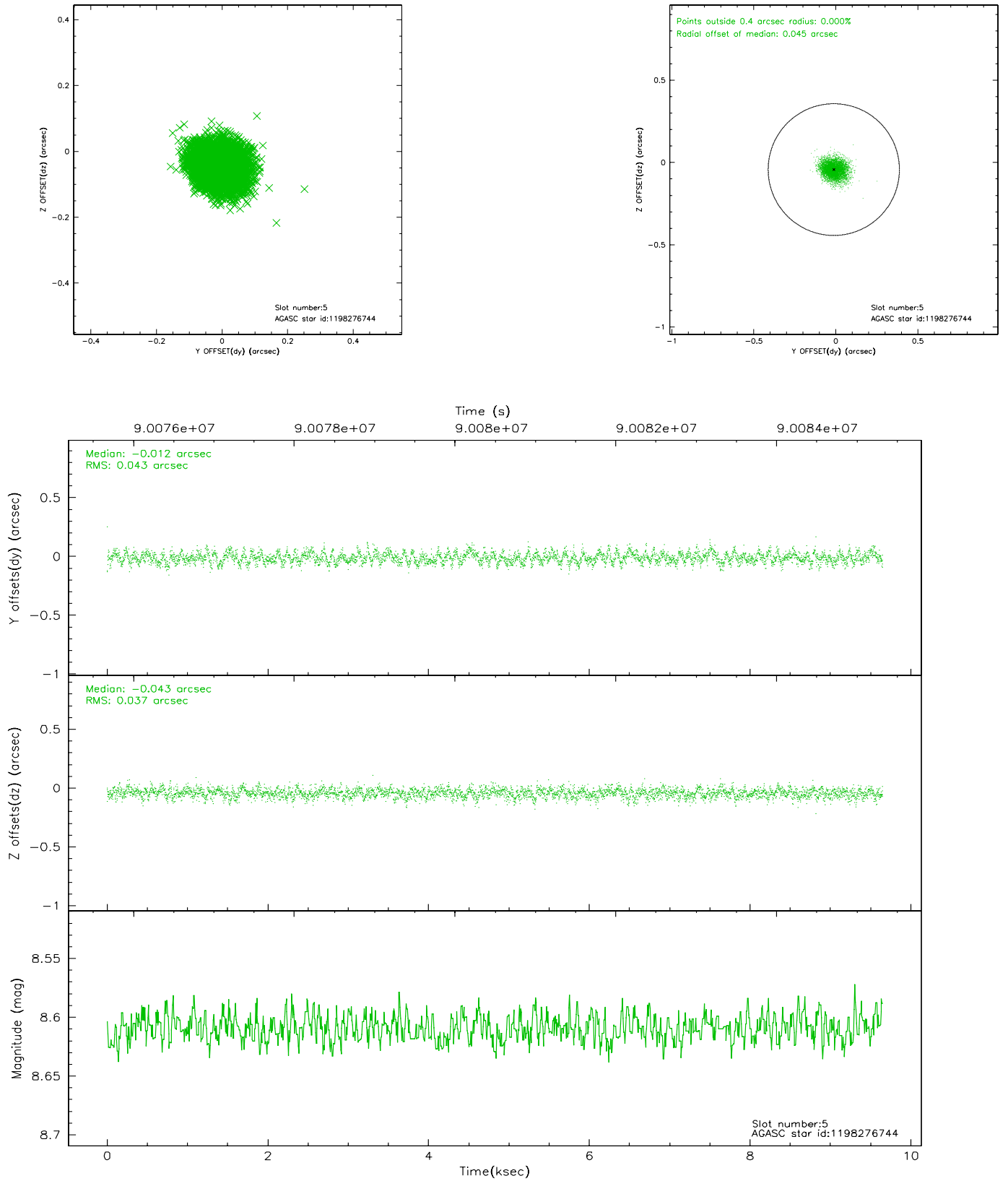
2.4.1 Slot 3



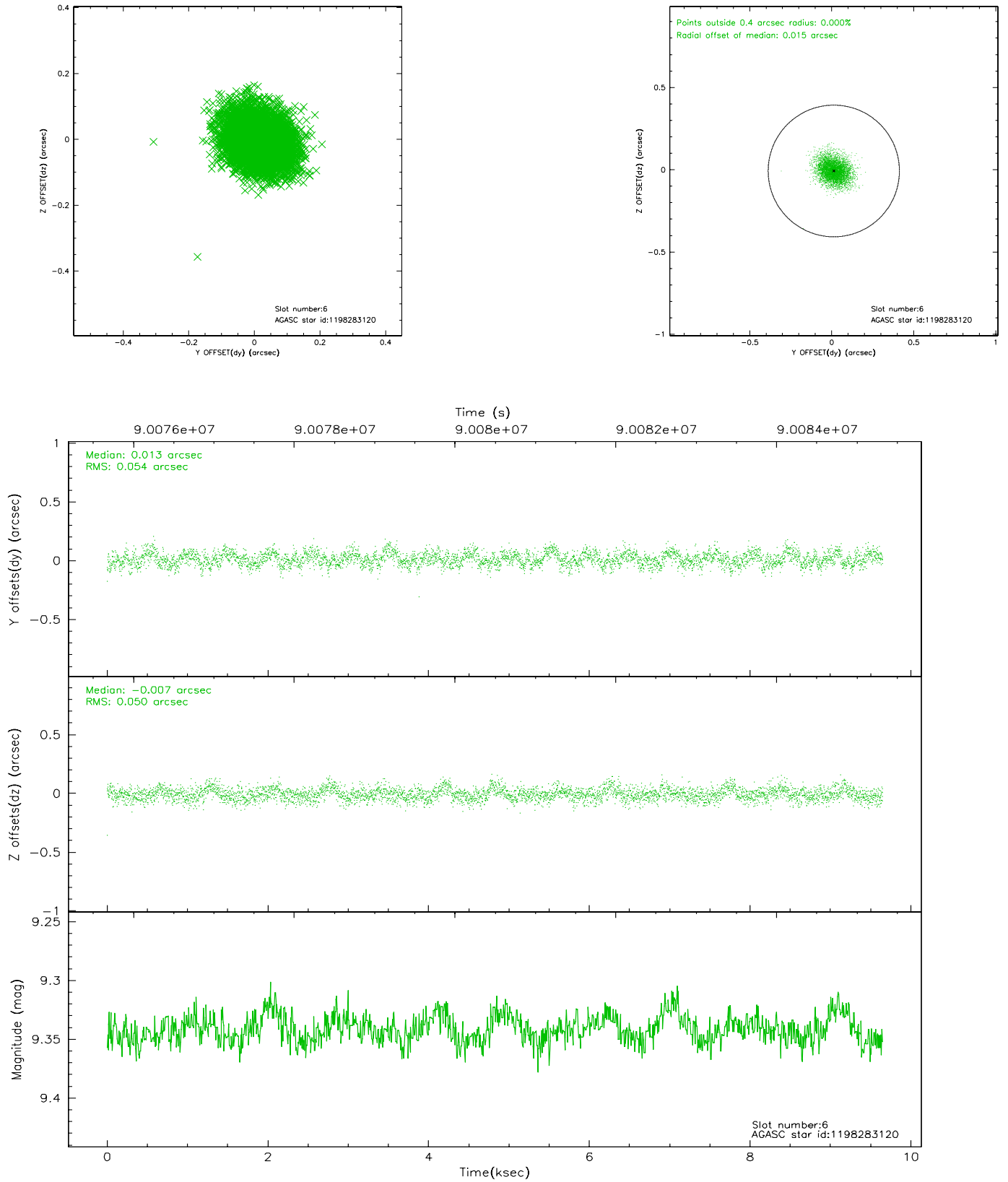
2.4.2 Slot 4



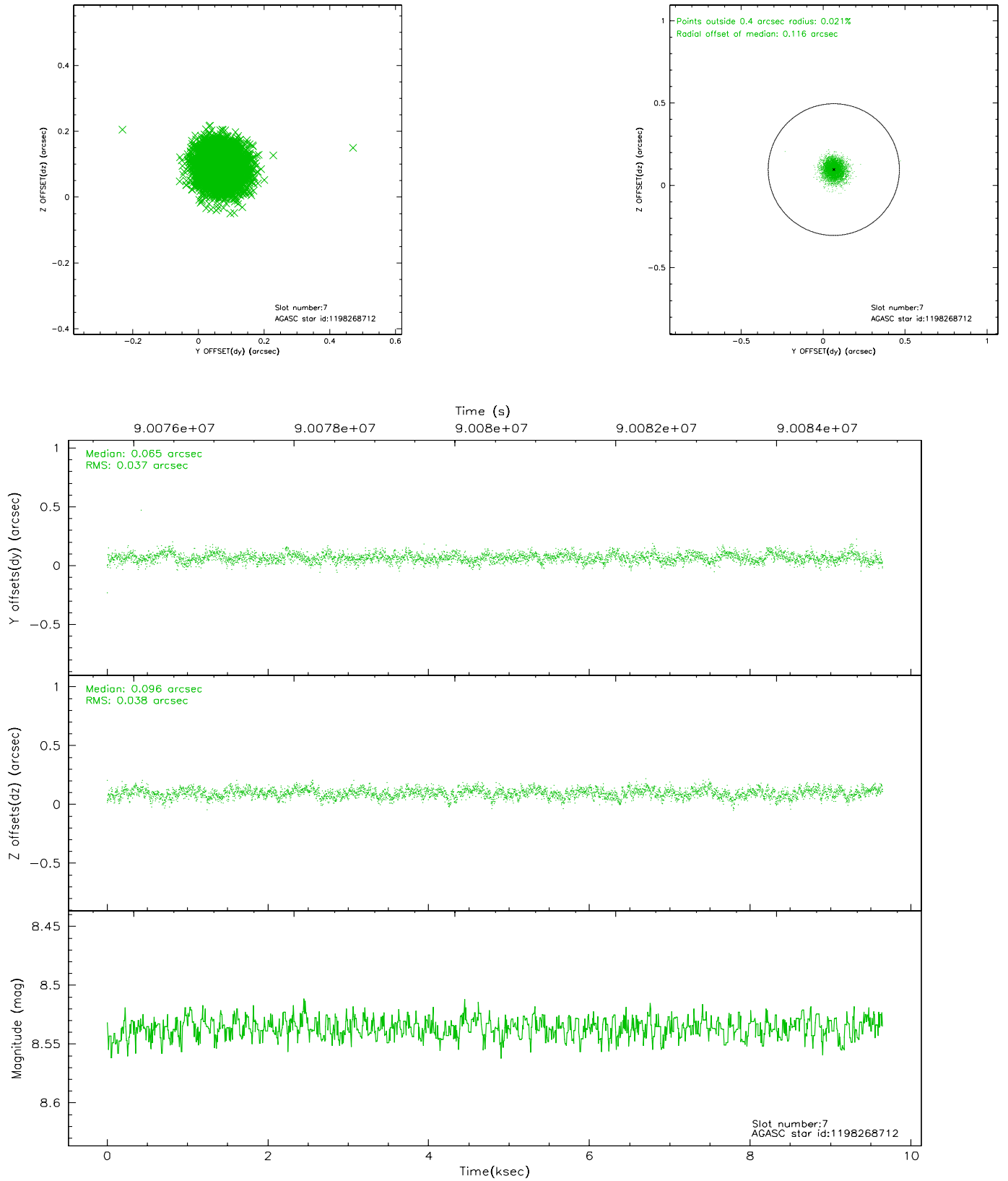
2.4.3 Slot 5



2.4.4 Slot 6

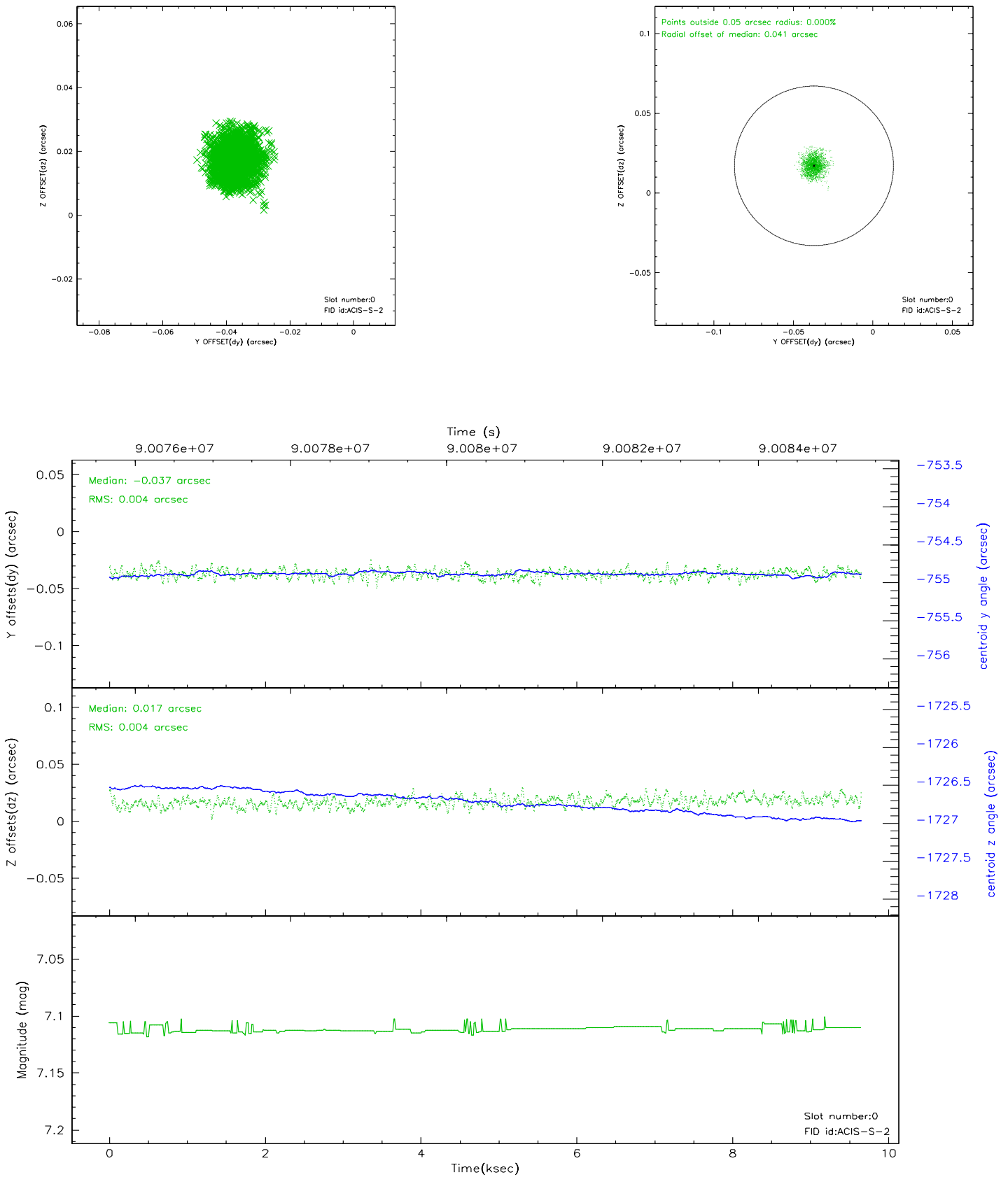


2.4.5 Slot 7

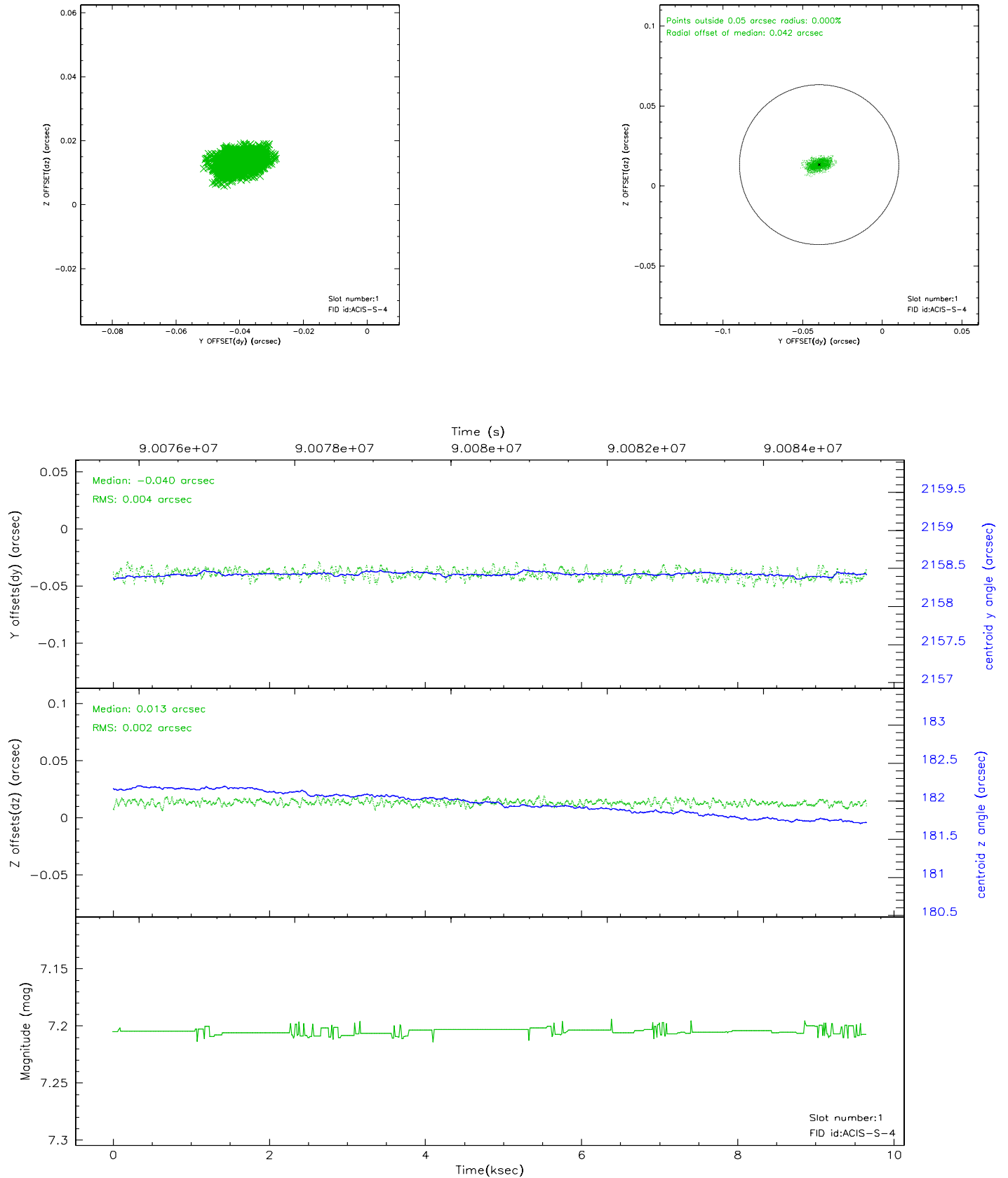


2.5 FID Slots

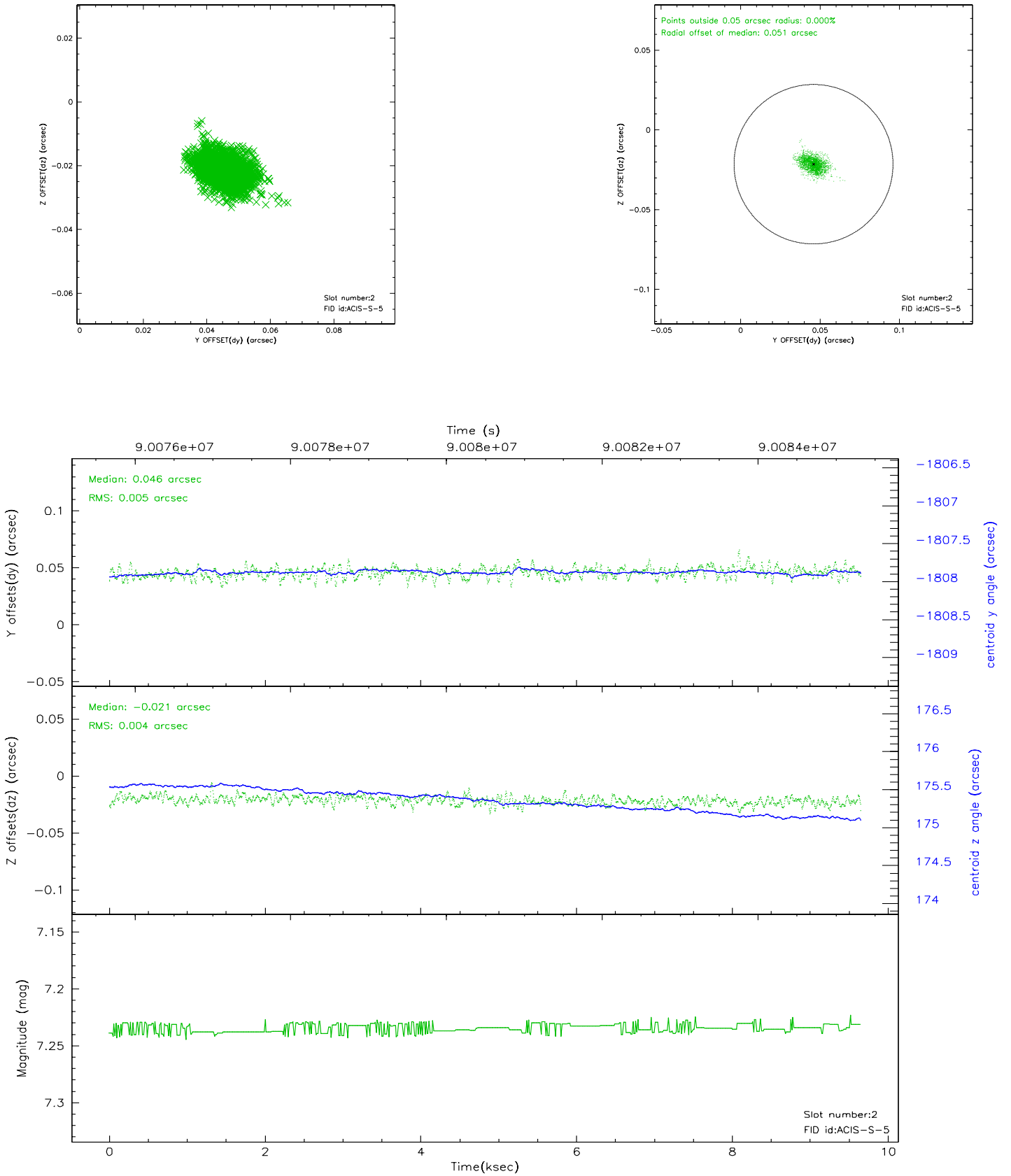
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2007.06.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.328

A.2 Comments

phase, window constraints: OK.