

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 436 - L2 Version 001
Chandra X-Ray Center

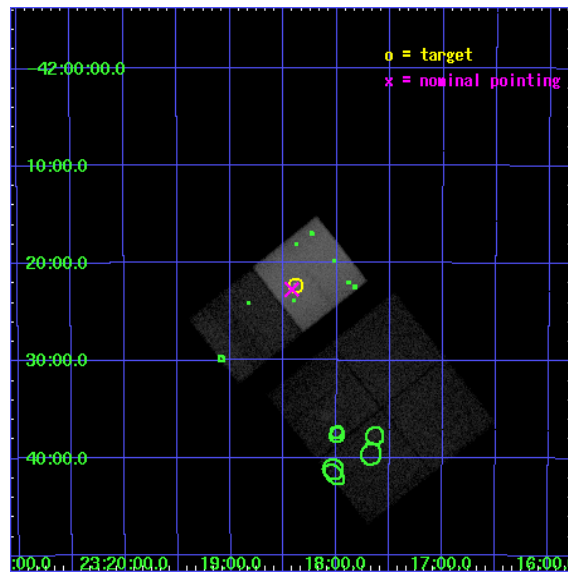
L2 Processing Date : Jun 12 2007

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1 Front

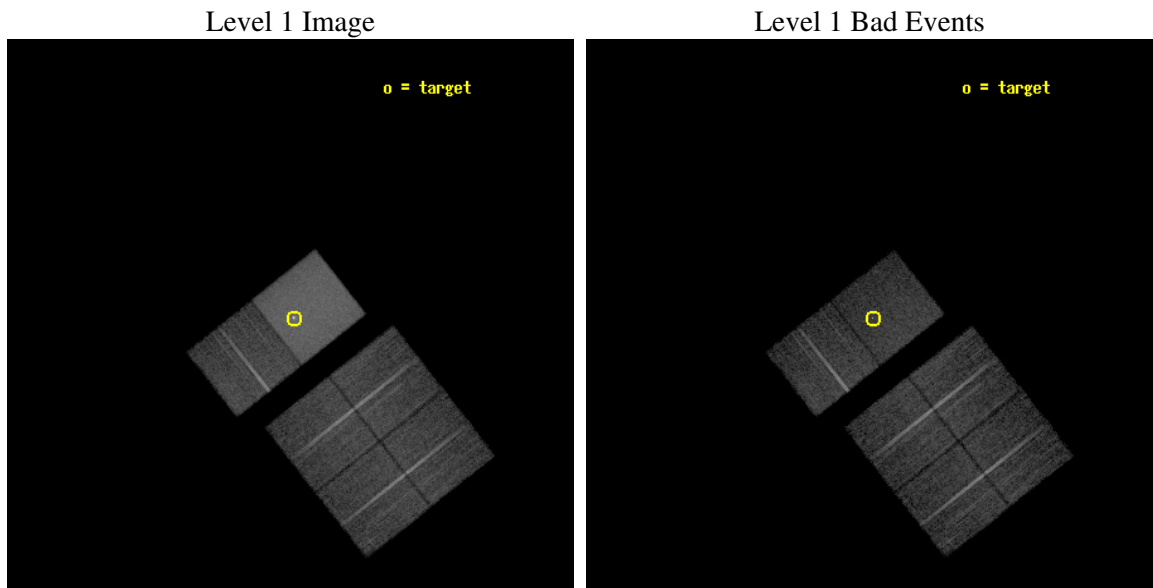
seq_num	700108
obs_id	436
title	EXTENDED X-RAY EMISSION AROUND NEARBY SEYFERTS
observer	Dr. Stephen Murray
object	NGC 7582
dtcycle	0
cycle	P
ra_targ	349.596667
dec_targ	-42.371389
ra_nom	349.60550814627
dec_nom	-42.378827636324
roll_nom	321.66262843791
revision	2
ontime	13616.000012681
livetime	13443.586021949
ontime0	13616.000012681
ontime1	13616.000012681
ontime2	13616.000012681
ontime3	13612.759052441
ontime6	13616.000012681
ontime7	13616.000012681
l2events	200556



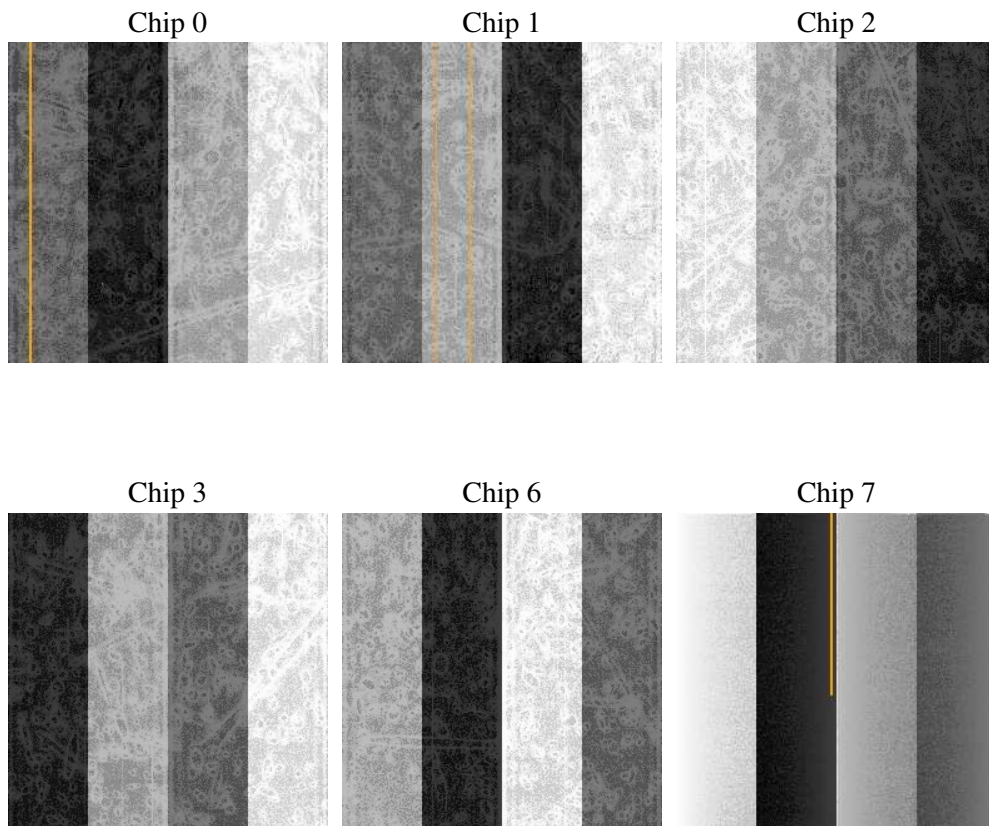
2 OBI

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	2007-06-12T09:08:58
revision	2

sched_exp_time	13703.267000
ontime	13616.000012681
ontime0	13616.000012681
ontime1	13616.000012681
ontime2	13616.000012681
ontime3	13612.759052441
ontime6	13616.000012681
ontime7	13616.000012681
l1events	628278

2.1.4 Events

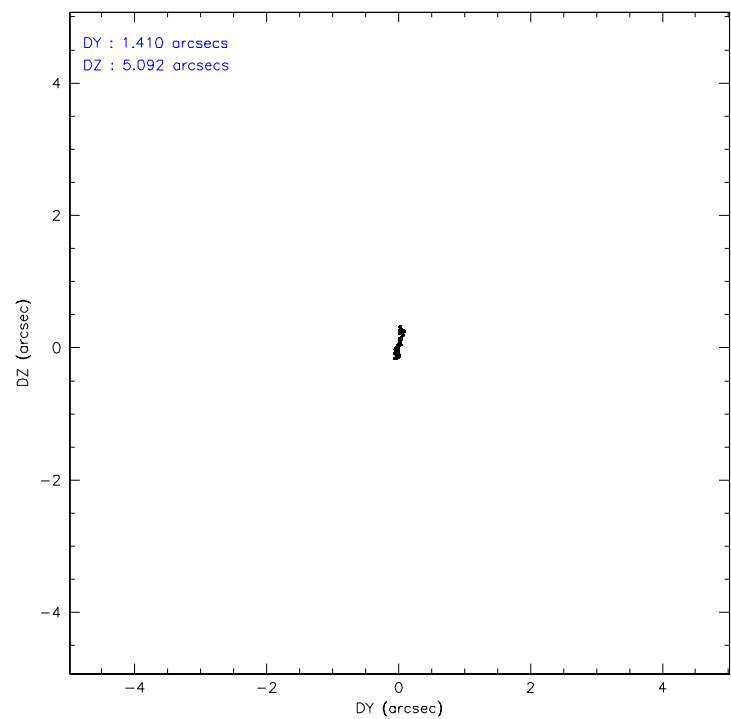
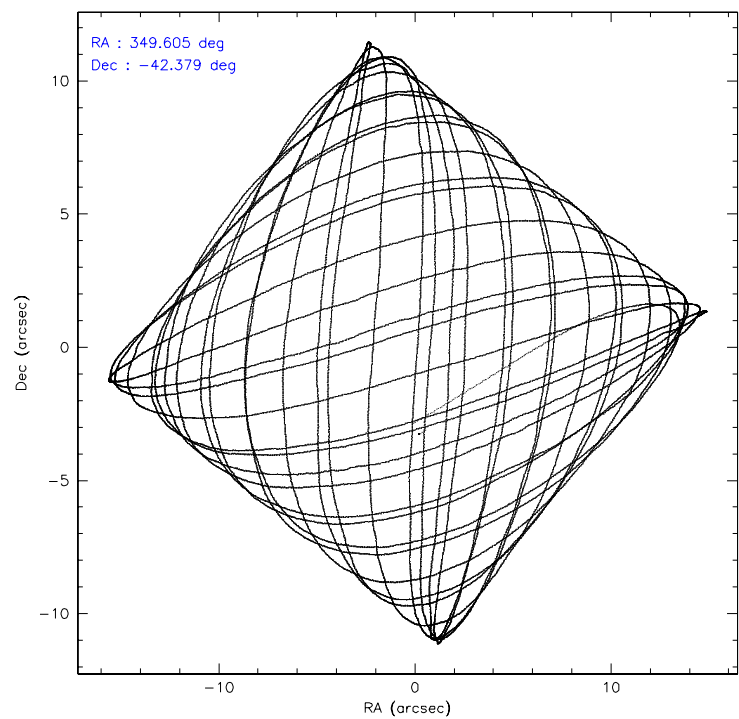
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	84594	81019	87851	89303	92247	193264
rejected events	69343	65387	73036	74636	73158	61802
rejected %	81%	80%	83%	83%	79%	31%

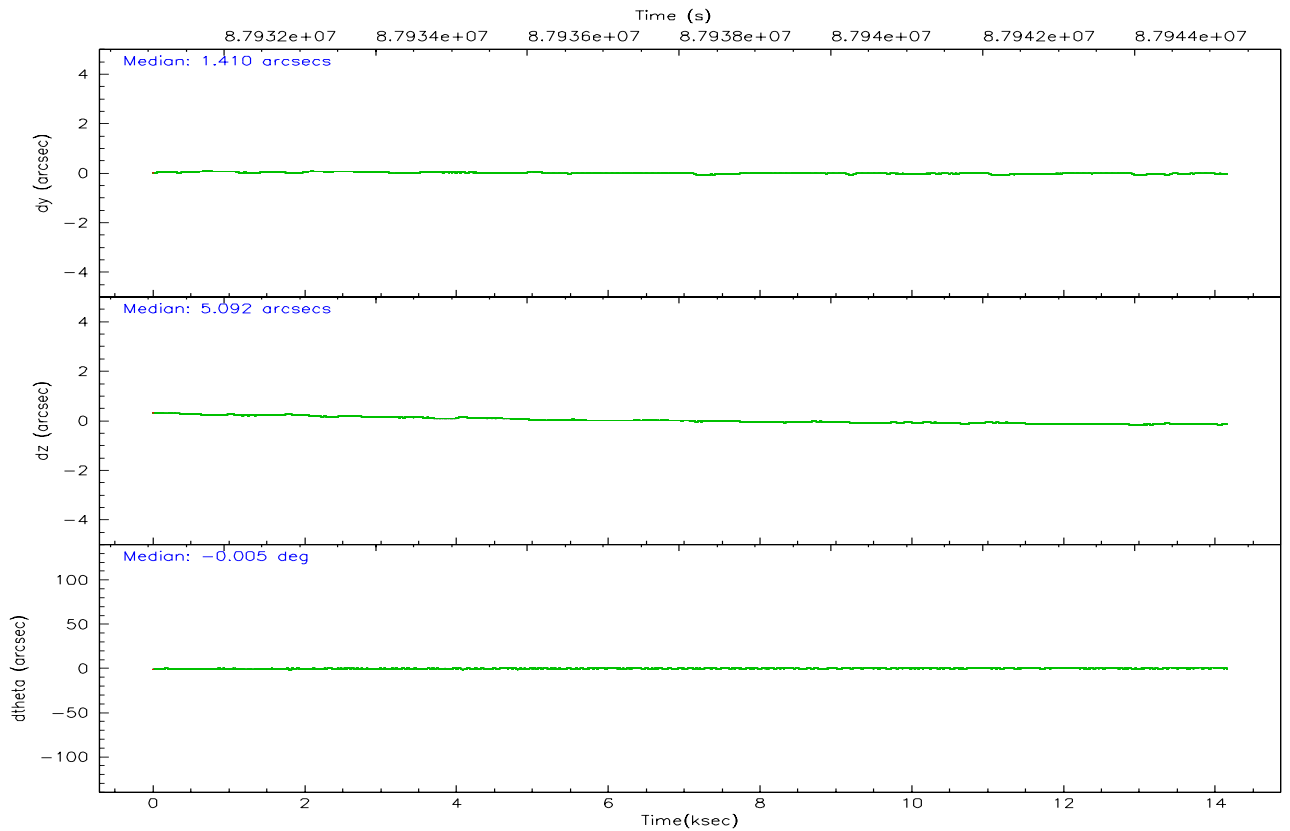
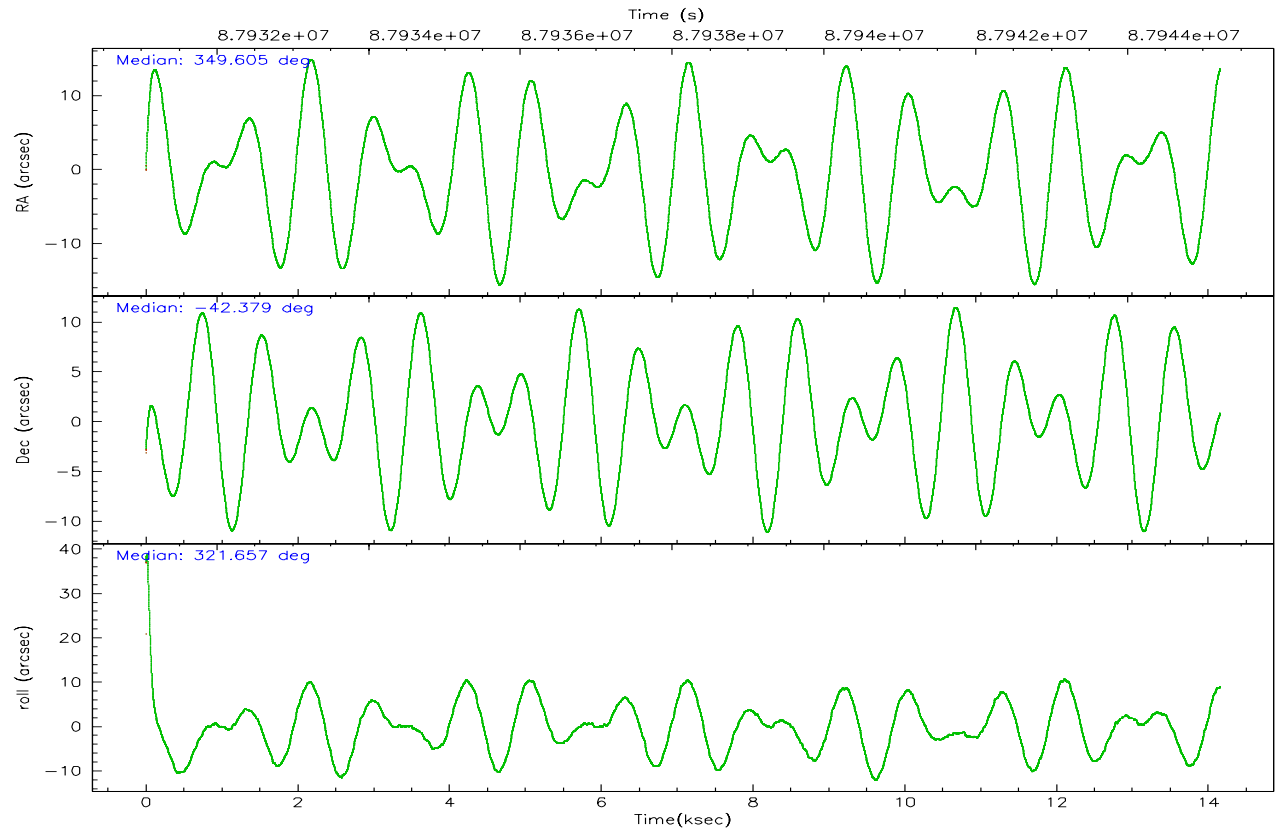
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	8534	8574	8393	8362	11730	16857
	10%	10%	9%	9%	12%	8%
grade 1 events	77	64	49	69	57	142
	0%	0%	0%	0%	0%	0%
grade 2 events	2807	2927	2747	2648	3176	24692
	3%	3%	3%	2%	3%	12%
grade 3 events	1001	1163	986	973	1072	10929
	1%	1%	1%	1%	1%	5%
grade 4 events	1024	1051	964	981	1160	10941
	1%	1%	1%	1%	1%	5%
grade 5 events	2880	3002	2669	3006	3291	10397
	3%	3%	3%	3%	3%	5%
grade 6 events	1891	1921	1729	1704	1957	68081
	2%	2%	1%	1%	2%	35%
grade 7 events	66380	62317	70314	71560	69804	51225
	78%	76%	80%	80%	75%	26%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	349.568806	349.6055081462741	Subarray requested	NONE	NONE
Pointing Dec	-42.375031	-42.3788276363239	Alternating exposures requested	N	N
Pointing Roll	321.481220	321.6626284379086	Primary exposure time	0.000000	3.2
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	87931519.184000	87930420.343798			
Observation start date	2000-10-14T17:24:15	2000-10-14T17:07:00			
Observation end time	87945222.184000	87945537.044369			
Observation end date	2000-10-14T21:12:38	2000-10-14T21:18:57			
Read mode	TIMED	TIMED			

2.3 Aspect



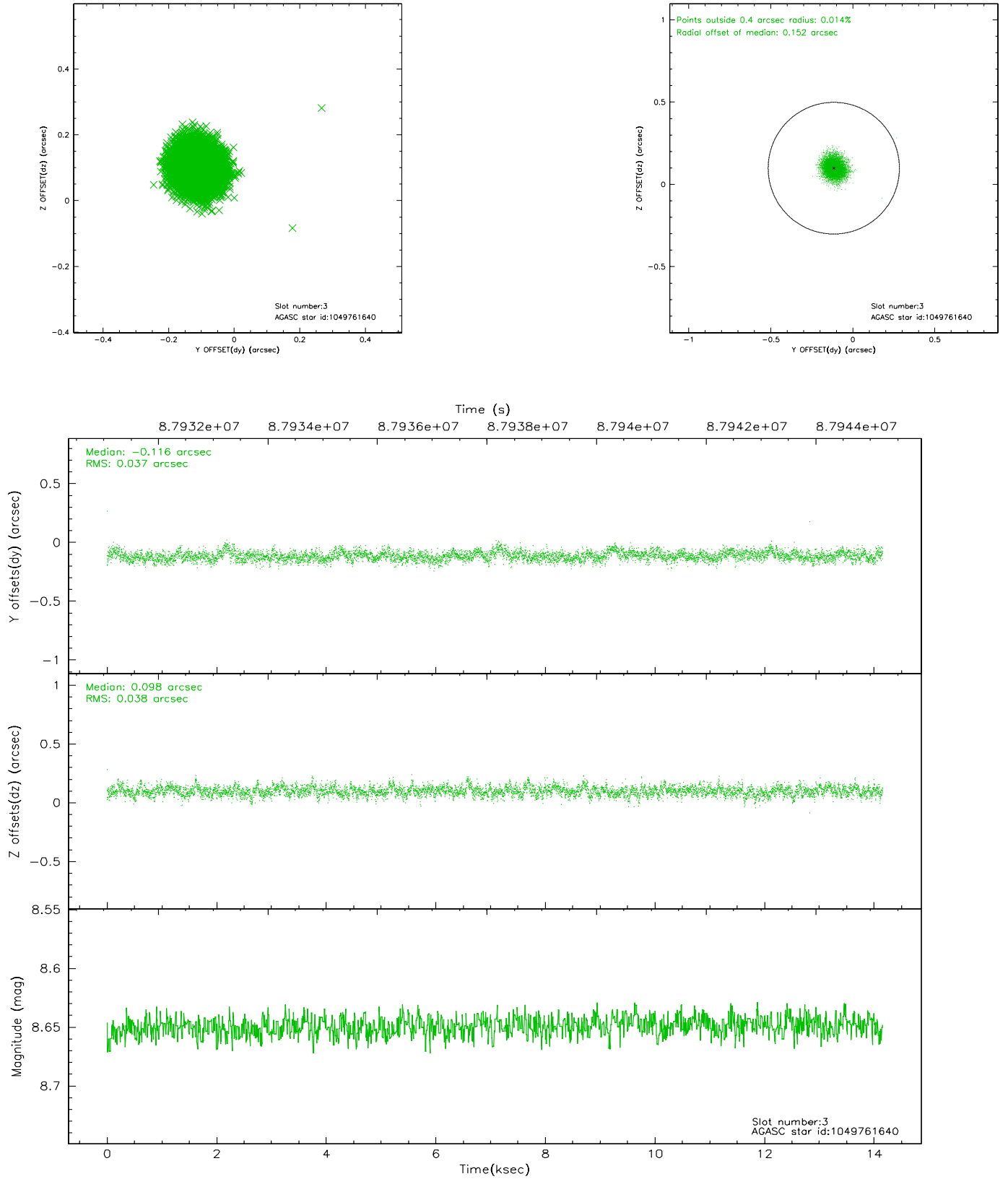


Slot Statistics

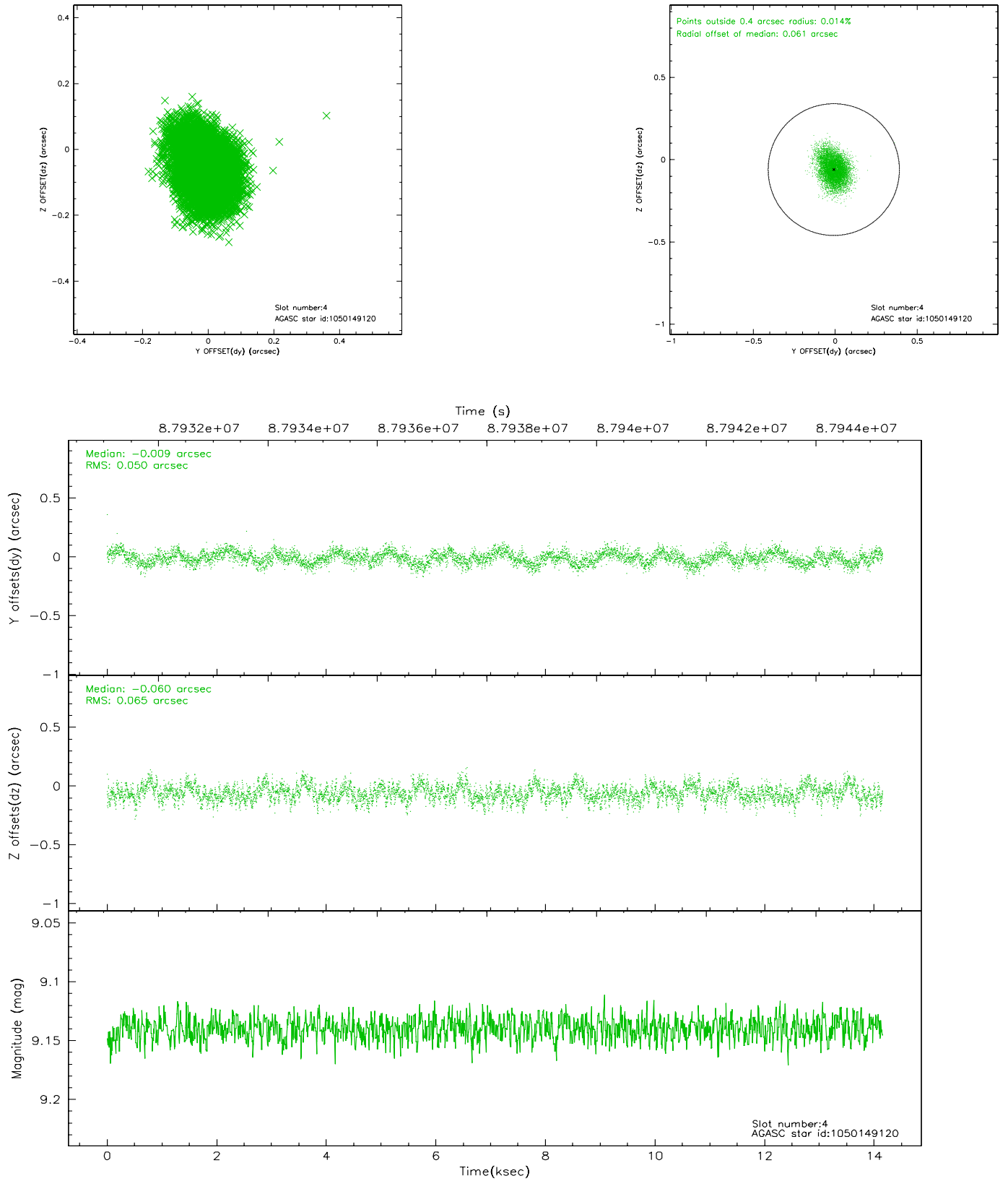
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-3	7.36	3454	-0.053	0.006	0.009	0.013	0.000000	0.000000	59.15	-1855.29
1	FID	ACIS-S-4	7.21	3454	-0.039	0.025	0.006	0.010	0.000000	0.000000	2159.31	181.92
2	FID	ACIS-S-5	7.23	3454	0.064	-0.022	0.007	0.012	0.000000	0.000000	-1806.37	175.92
3	GUIDE	1049761640	8.65	6906	-0.116	0.098	0.056	0.093	349.142415	-42.207499	-1261.97	-238.20
4	GUIDE	1050149120	9.14	6904	-0.009	-0.060	0.087	0.141	348.946168	-42.587694	-809.12	-1631.40
5	GUIDE	1050158072	9.11	6900	-0.037	-0.037	0.108	0.171	348.738453	-42.733577	-905.76	-2385.81
6	GUIDE	1050149848	10.20	6902	0.029	-0.123	0.164	0.258	349.007658	-42.828628	-137.49	-2204.33
7	GUIDE	1051067360	10.06	6904	0.144	0.126	0.131	0.200	350.420093	-42.504159	2065.82	1034.77

2.4 Star Slots

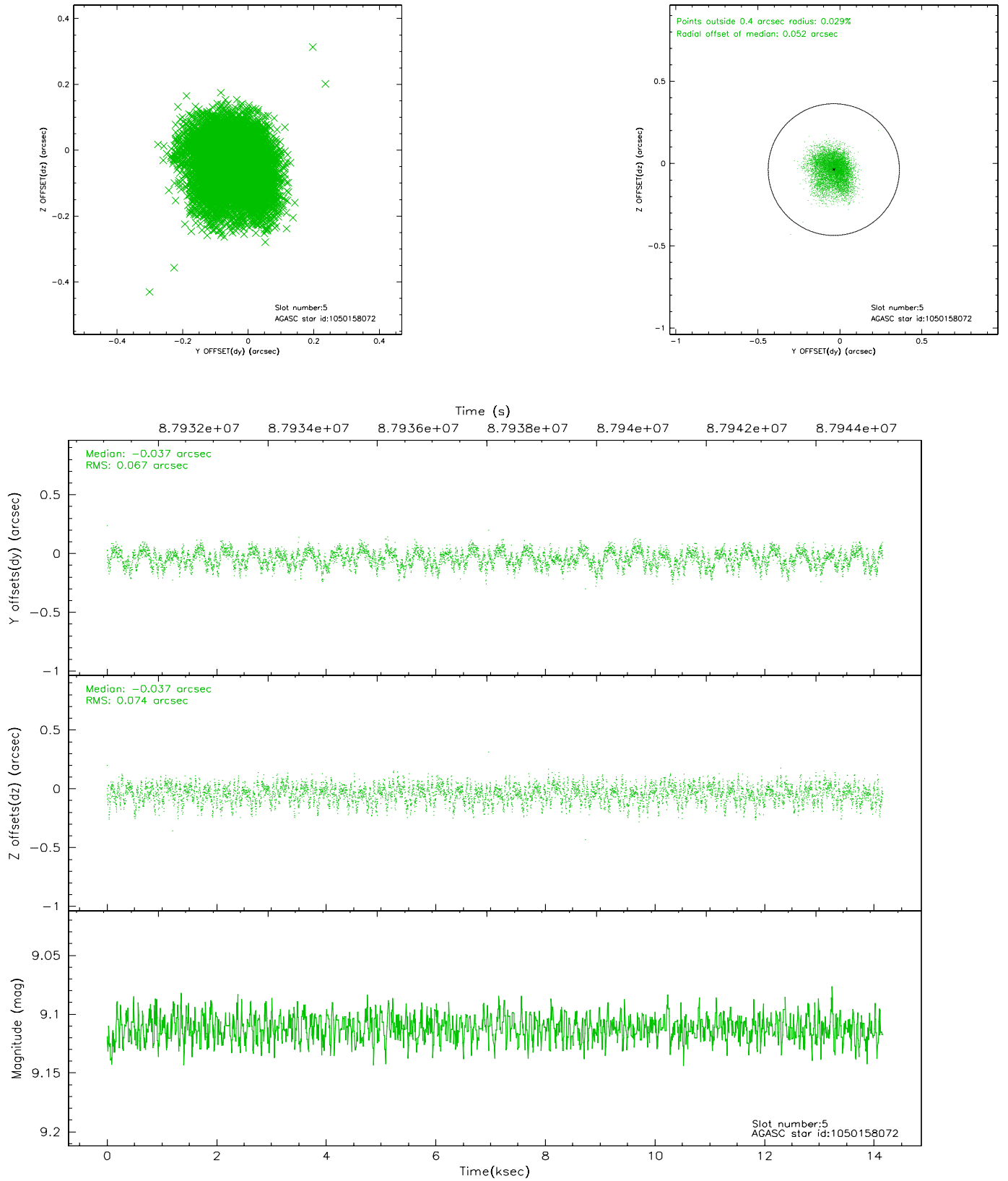
2.4.1 Slot 3



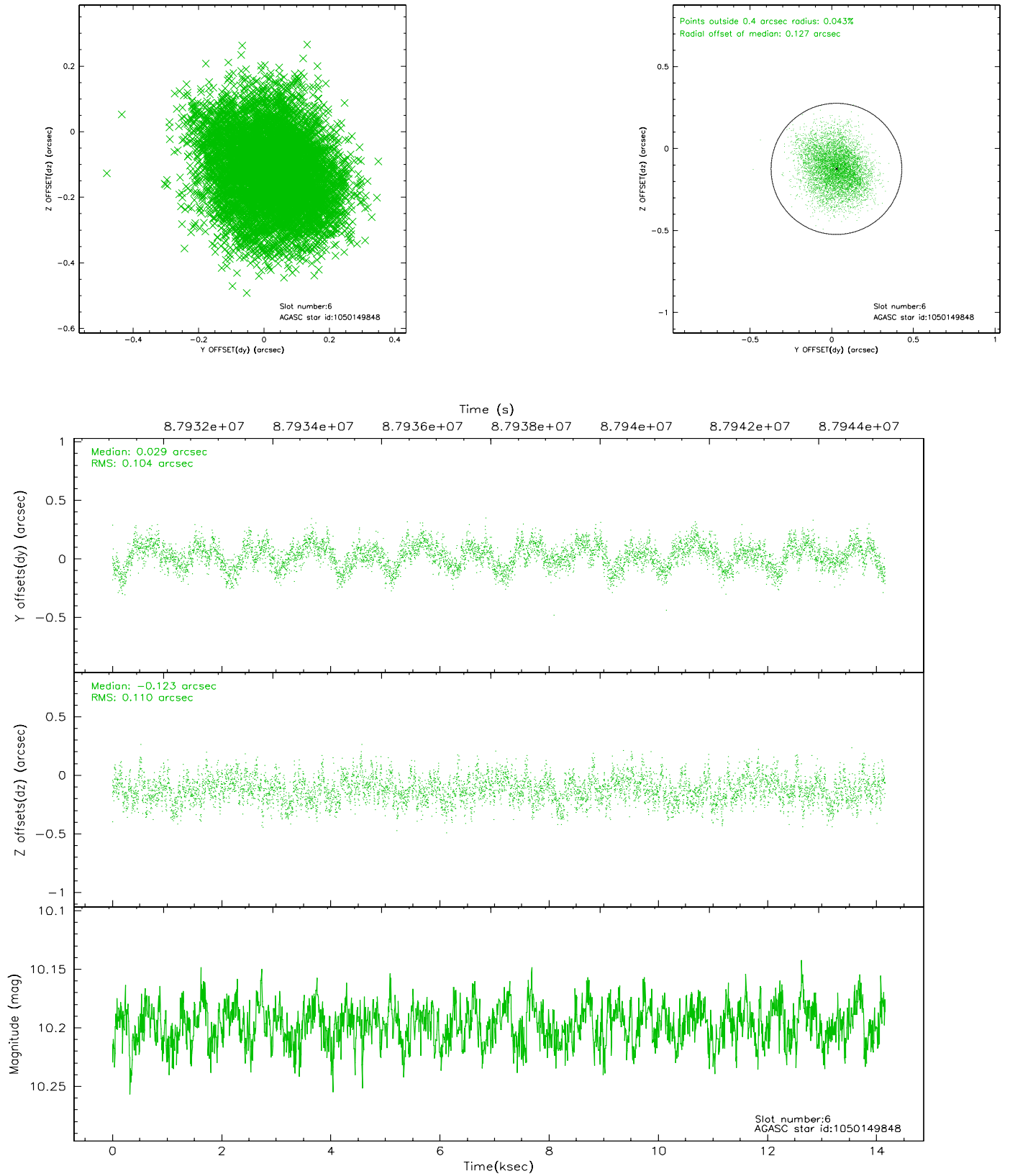
2.4.2 Slot 4



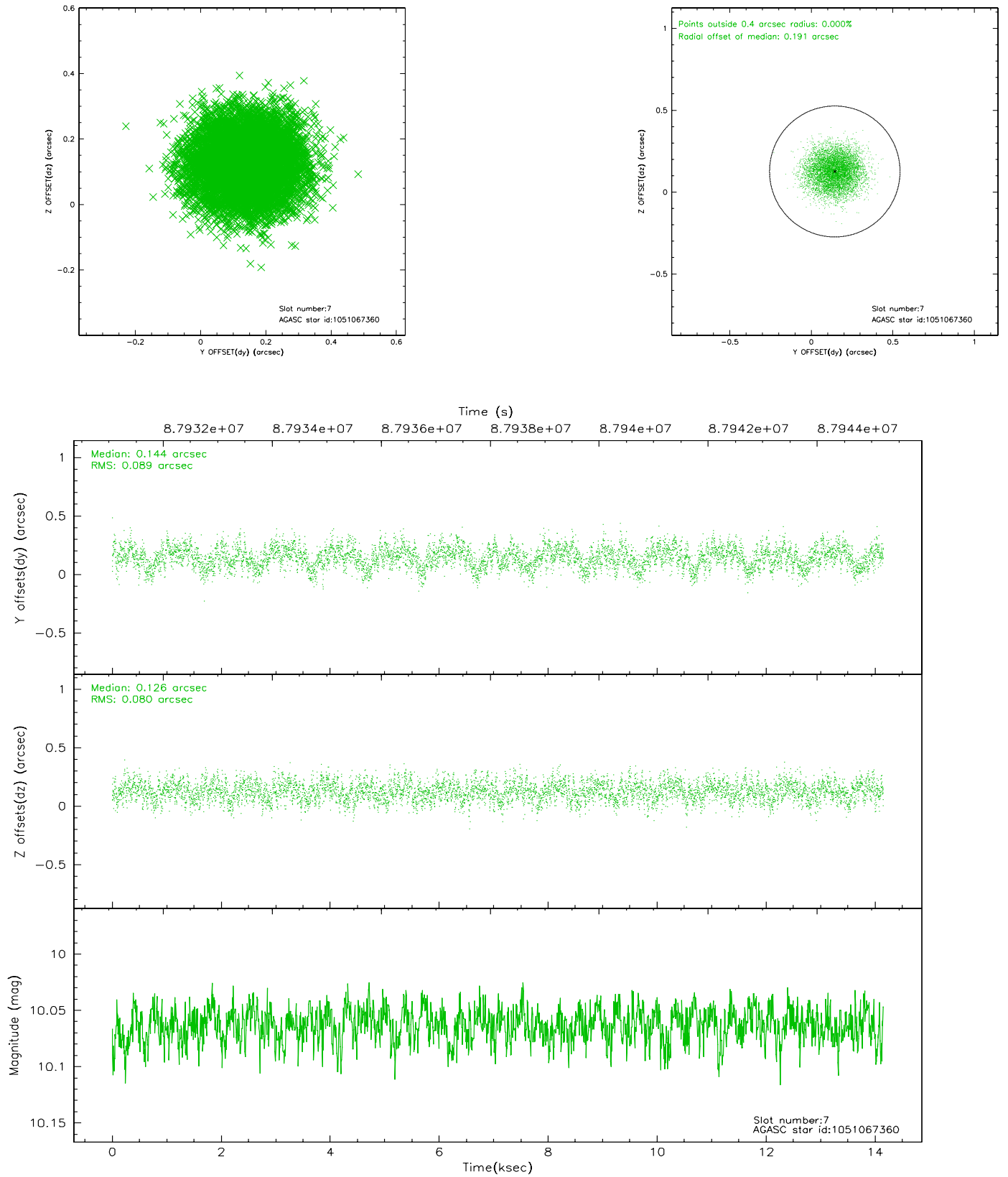
2.4.3 Slot 5



2.4.4 Slot 6

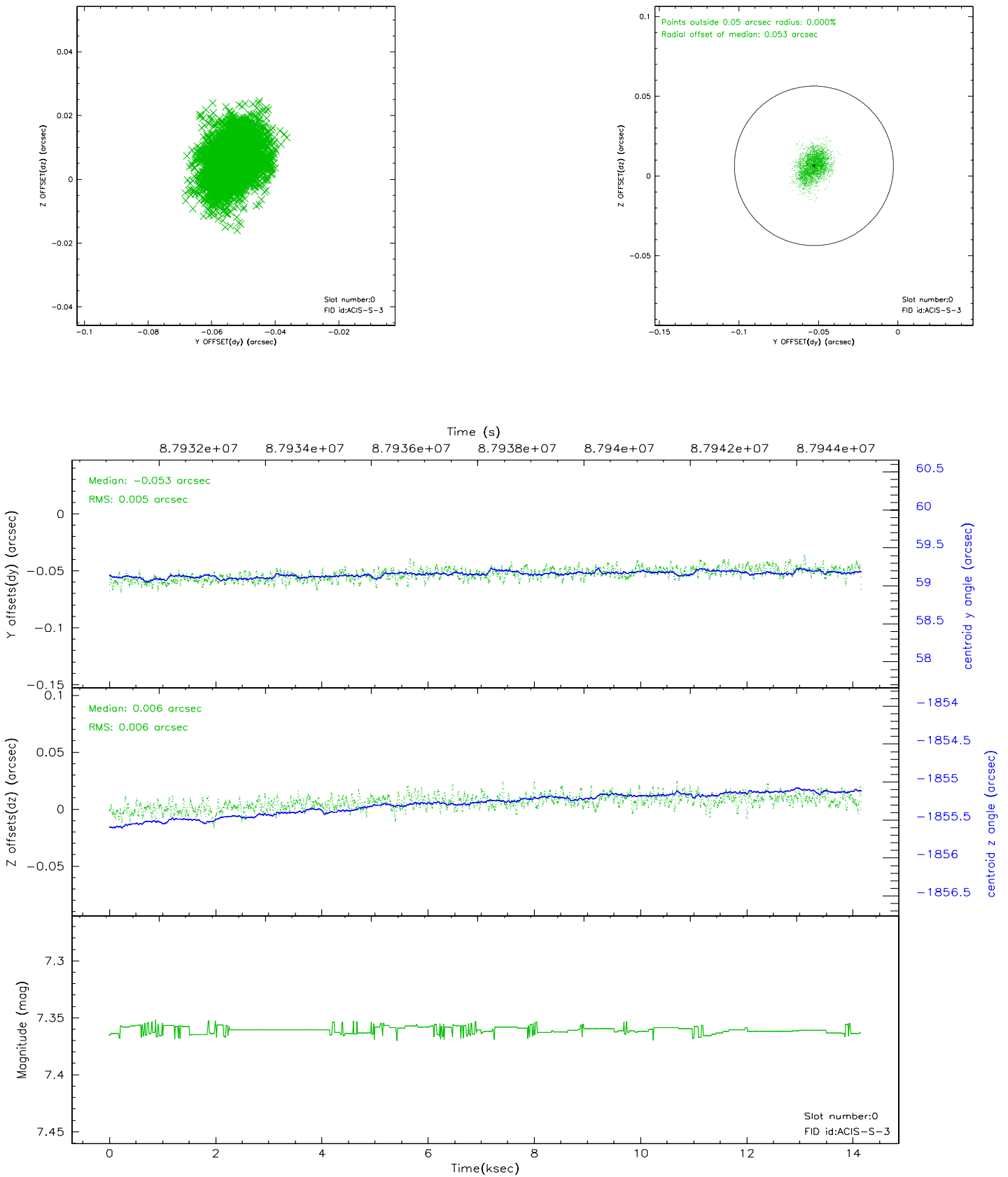


2.4.5 Slot 7

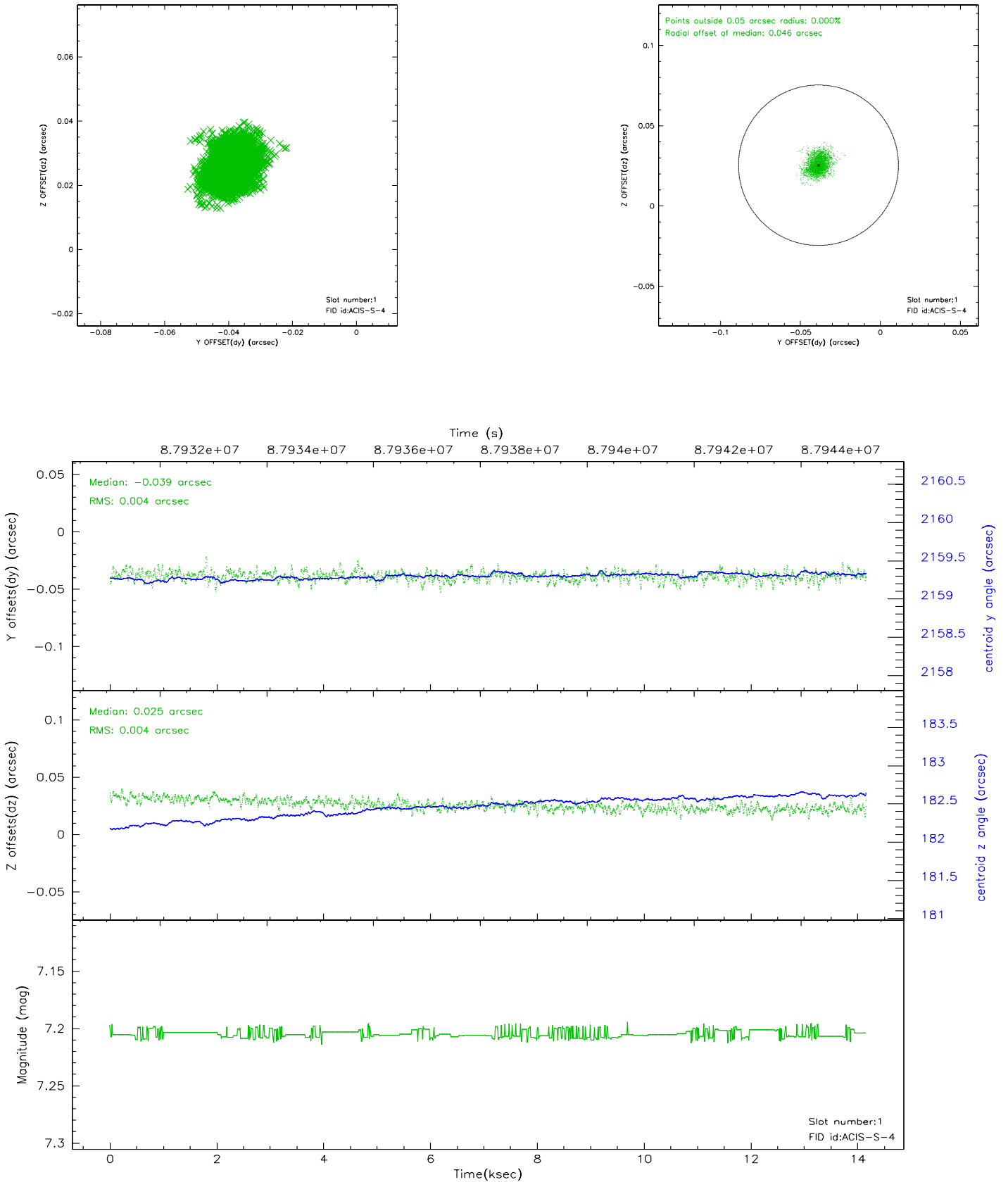


2.5 FID Slots

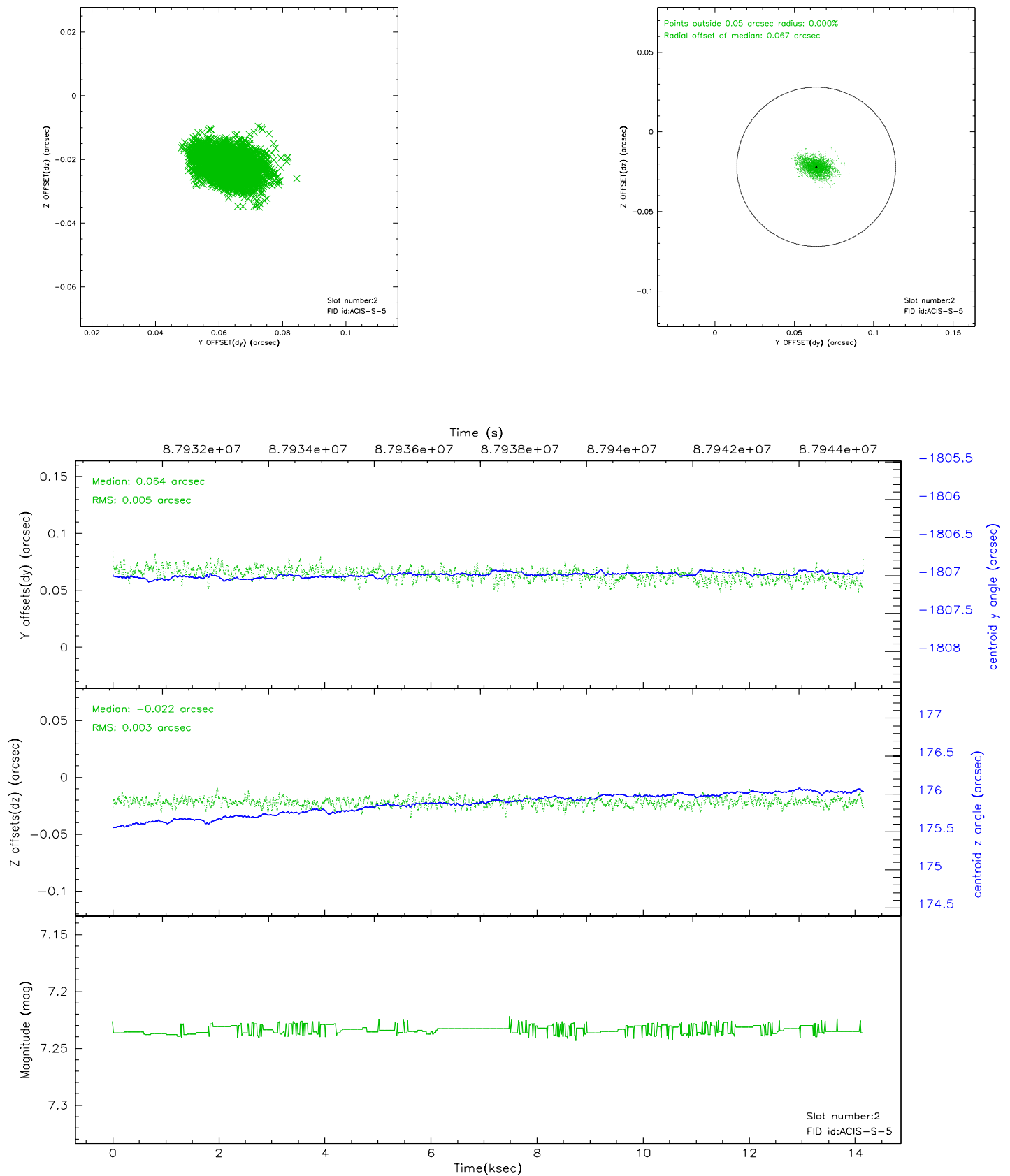
2.5.1 Slot 0



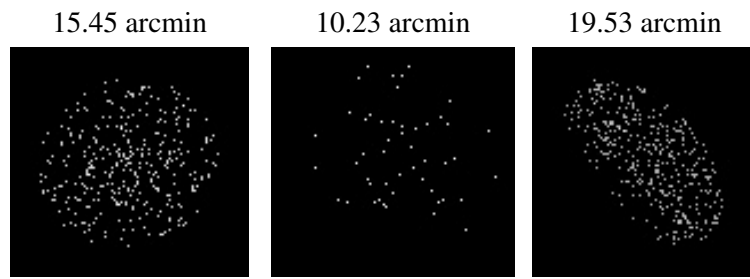
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.06.12
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	13.619

A.2 Comments

Roll constraint met.