

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4601 - L2 Version 001
Chandra X-Ray Center

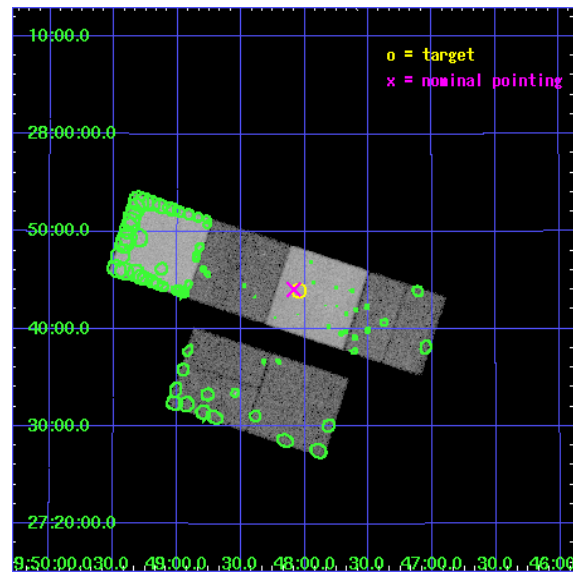
L2 Processing Date : Jun 4 2006

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

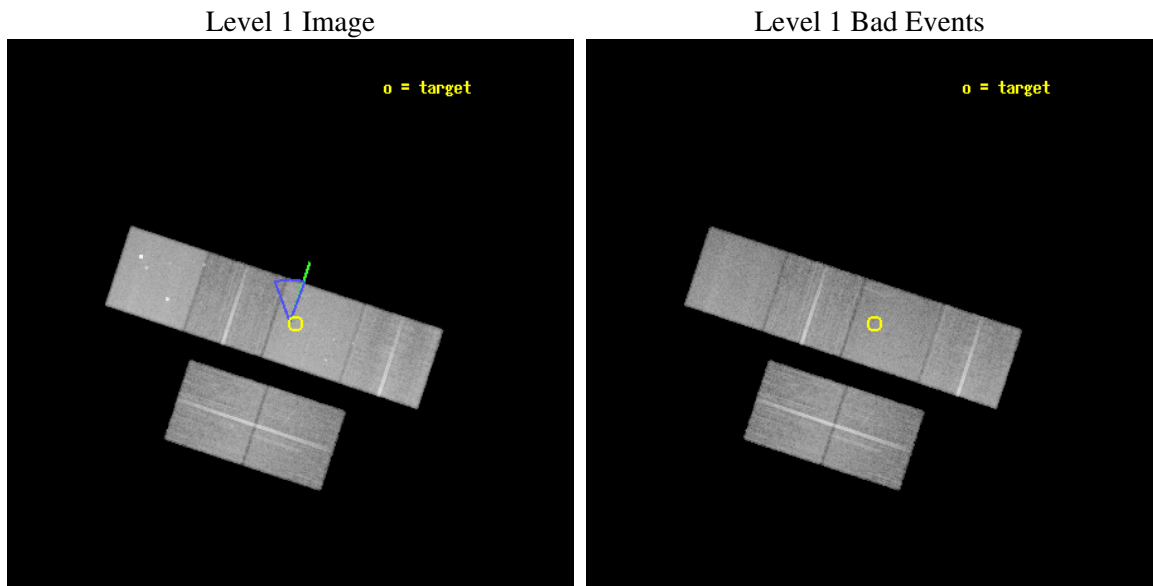
seq_num	500426
obs_id	4601
title	Crab-Like Supernova Remnant G63.7+1.1
observer	Professor Gordon Garmire
object	G63.7+1.1
dtcycle	0
cycle	P
ra_targ	297.010417
dec_targ	27.733333
ra_nom	297.02121583019
dec_nom	27.734688371904
roll_nom	18.136826660724
revision	2
ontime	30188.799887538
livetime	29806.531125849
ontime2	30182.317966968
ontime3	30188.799887538
ontime5	30188.799887538
ontime6	30175.835936844
ontime7	30188.799887538
ontime8	30185.558947146
l2events	283541



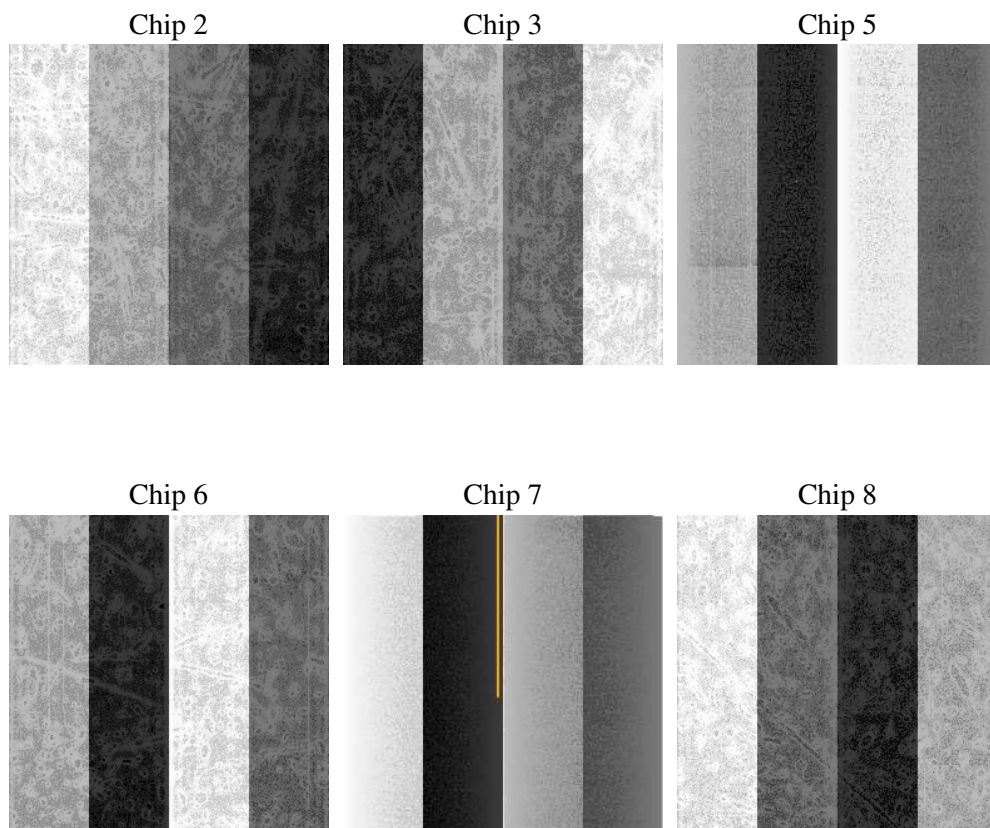
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.2
caldsver	3.2.2
date	2006-06-04T03:16:43
revision	2

sched_exp_time	30000.000000
ontime	31395.562111646
ontime2	31389.080171168
ontime3	31395.562091738
ontime5	31395.562111646
ontime6	31382.598141044
ontime7	31395.562111646
ontime8	31392.321171254
l1events	1328630

2.1.4 Events

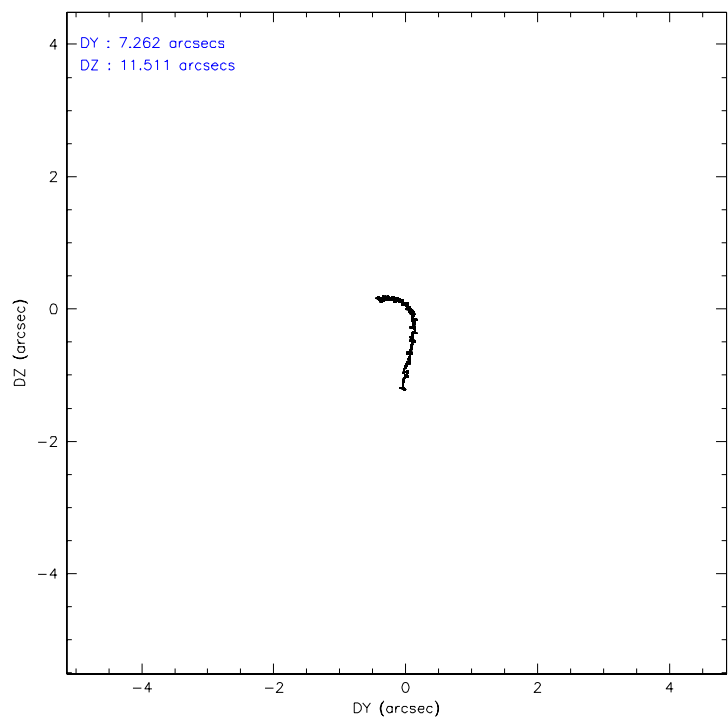
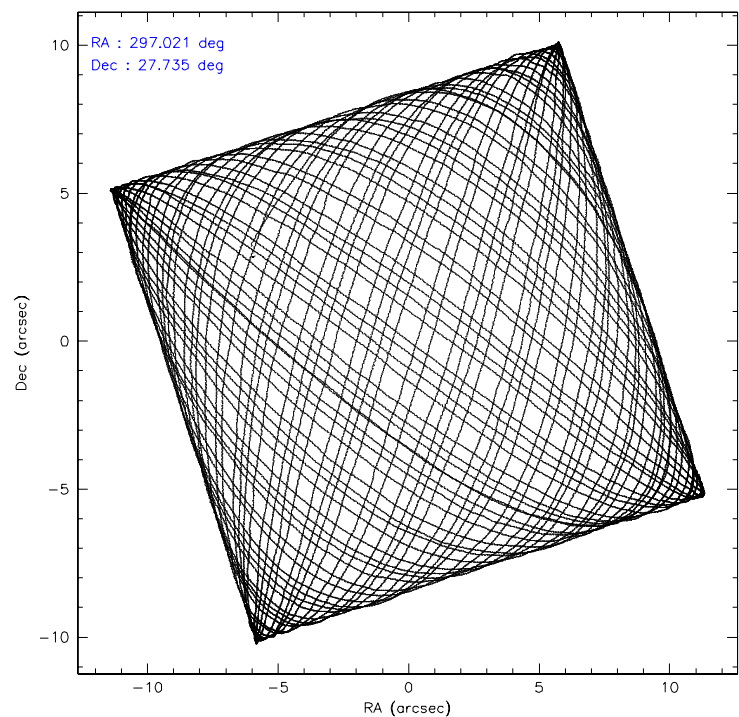
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	189981	175706	282832	186609	257974	235528
rejected events	167891	154476	162419	164412	163290	187012
rejected %	88%	87%	57%	88%	63%	79%

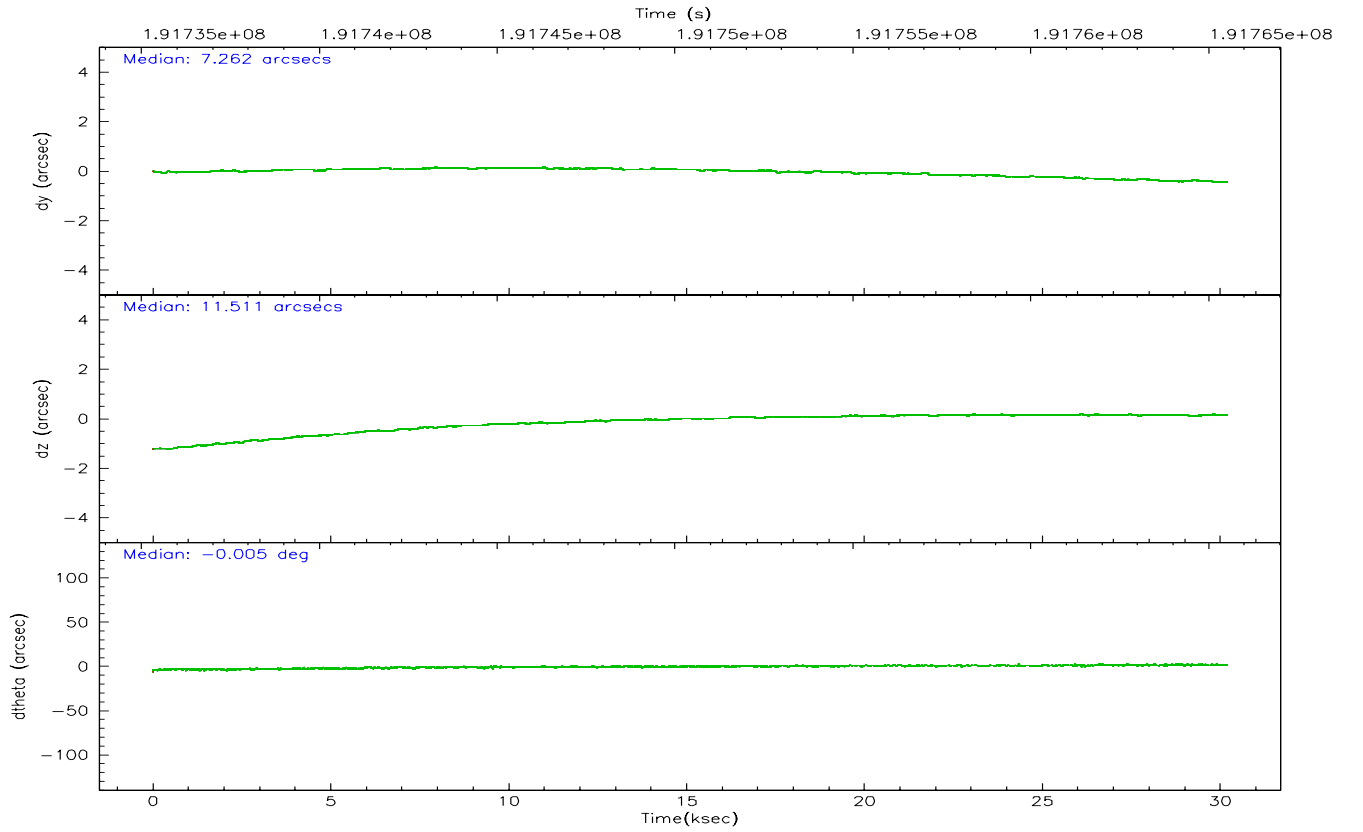
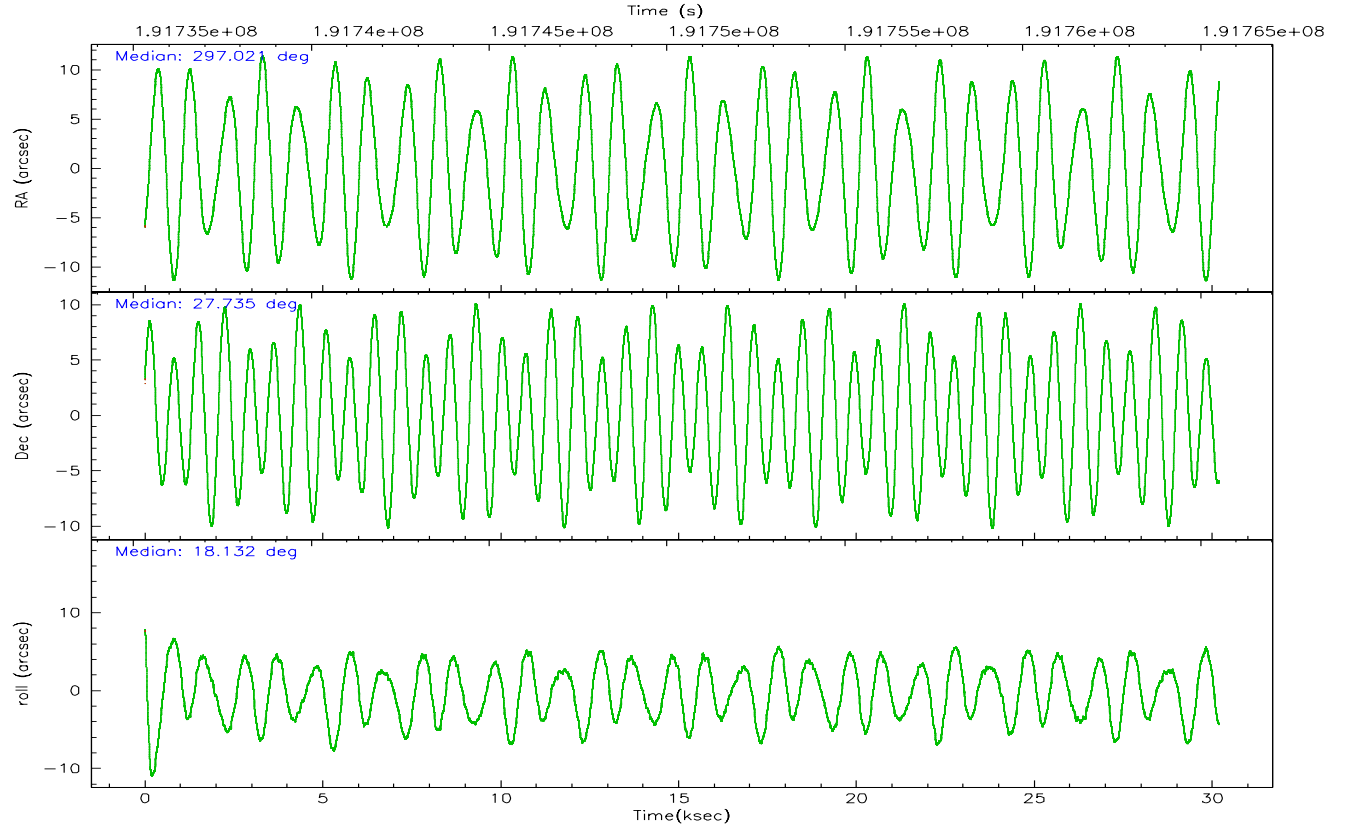
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	10473	9689	11867	9426	6096	16011
	5%	5%	4%	5%	2%	6%
grade 1 events	95	116	306	85	183	158
	0%	0%	0%	0%	0%	0%
grade 2 events	4511	4251	38146	4650	24121	10828
	2%	2%	13%	2%	9%	4%
grade 3 events	2117	2171	2688	2229	5079	5324
	1%	1%	0%	1%	1%	2%
grade 4 events	2026	2163	2740	2180	4922	4864
	1%	1%	0%	1%	1%	2%
grade 5 events	7656	8309	13390	8753	16989	11342
	4%	4%	4%	4%	6%	4%
grade 6 events	3832	3804	70105	4603	58112	13500
	2%	2%	24%	2%	22%	5%
grade 7 events	159271	145203	143590	154683	142472	173501
	83%	82%	50%	82%	55%	73%

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	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	297.001023	297.0212158301923	Alternating exposures requested	N	N
Pointing Dec	27.714164	27.73468837190416	Primary exposure time	0.000000	3.2
Pointing Roll	17.989599	18.13682666072438			
Roll angle	0.000000	0.000000			
Roll tolerance	20.000000	20.000000			
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	191735524.184000	191733849.42892			
Observation start date	2004-01-29T03:51:00	2004-01-29T03:24:09			
Observation end time	191765524.184000	191765989.84282			
Observation end date	2004-01-29T12:11:00	2004-01-29T12:19:49			
Read mode	TIMED	TIMED			

2.3 Aspect



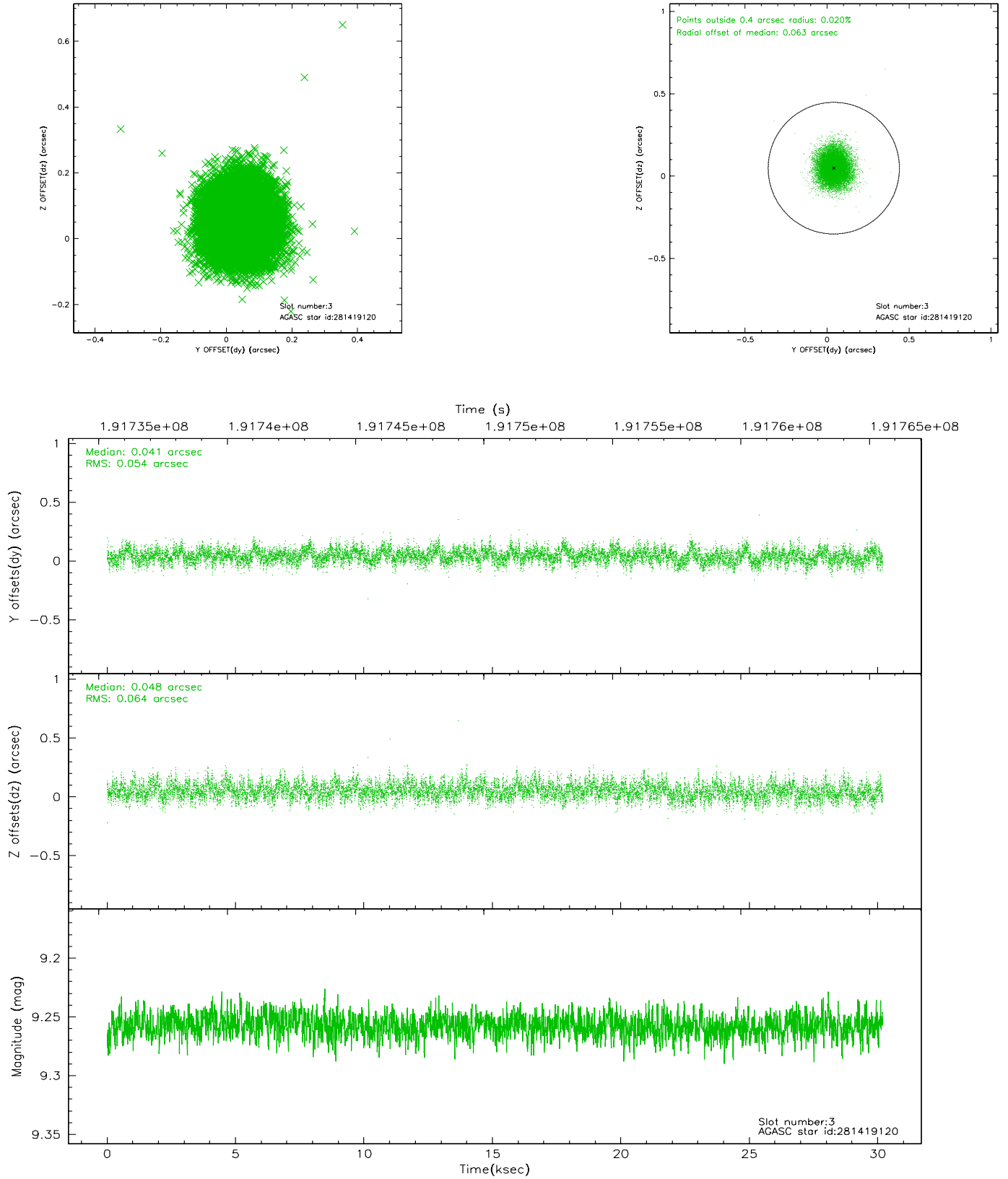


Slot Statistics

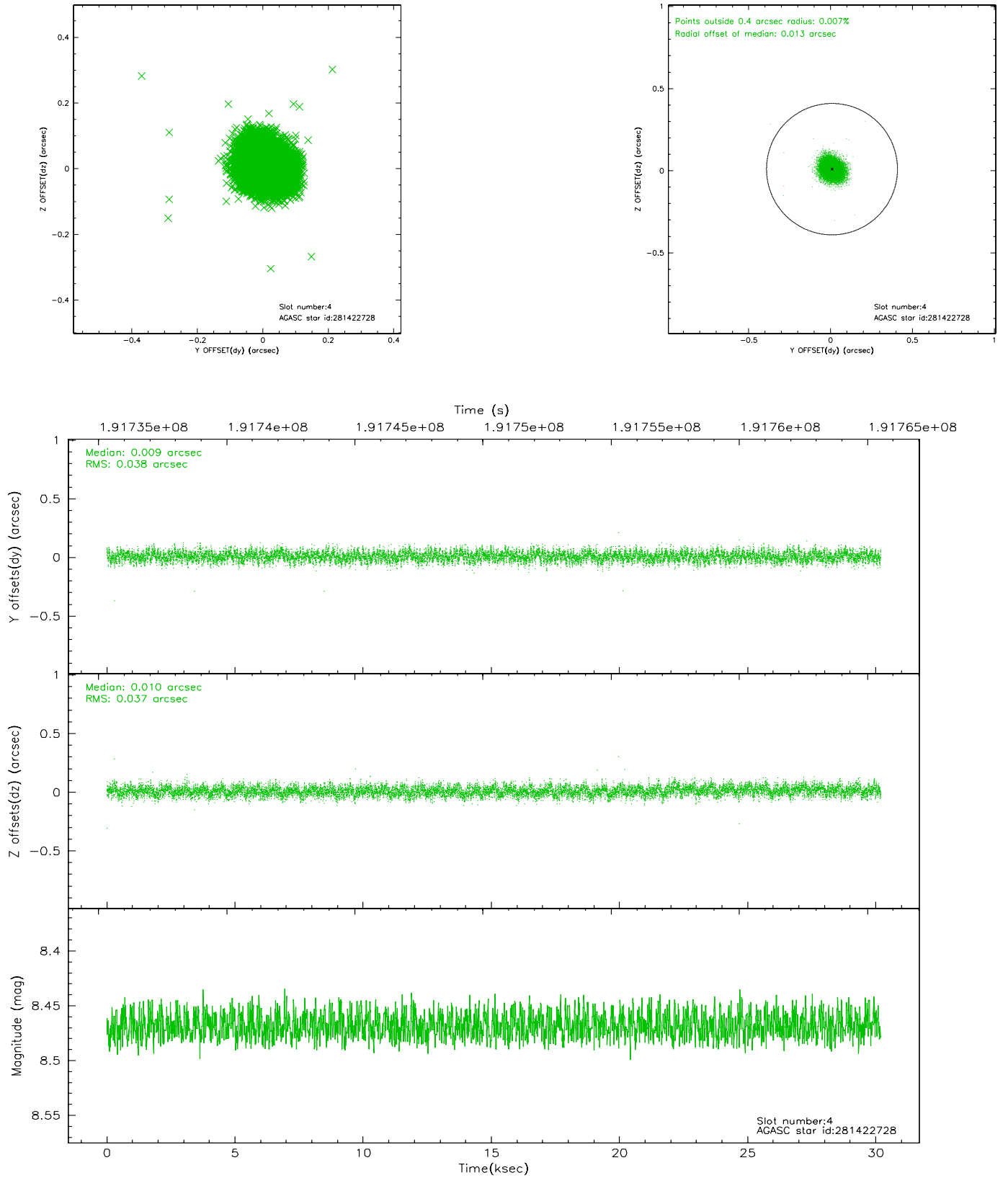
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	7365	0.030	-0.060	0.015	0.040	0.000000	0.000000	936.07	-1728.32
1	FID	ACIS-S-5	7.23	7365	-0.012	0.030	0.011	0.020	0.000000	0.000000	-1812.90	169.29
2	FID	ACIS-S-6	7.34	7365	-0.041	0.043	0.012	0.031	0.000000	0.000000	401.52	813.31
3	GUIDE	281419120	9.26	14720	0.041	0.048	0.089	0.143	296.650772	27.158181	-1684.48	-1555.75
4	GUIDE	281422728	8.47	14726	0.009	0.010	0.056	0.090	296.743184	28.045162	-410.97	1387.13
5	GUIDE	281423432	9.30	14717	0.061	-0.069	0.081	0.132	296.265944	27.833430	-2090.52	1137.95
6	GUIDE	281568336	8.19	14727	-0.102	-0.065	0.056	0.091	297.597035	27.977992	2096.75	322.56
7	GUIDE	281575104	7.10	14728	-0.013	0.076	0.049	0.079	297.285690	27.731696	882.96	-219.82

2.4 Star Slots

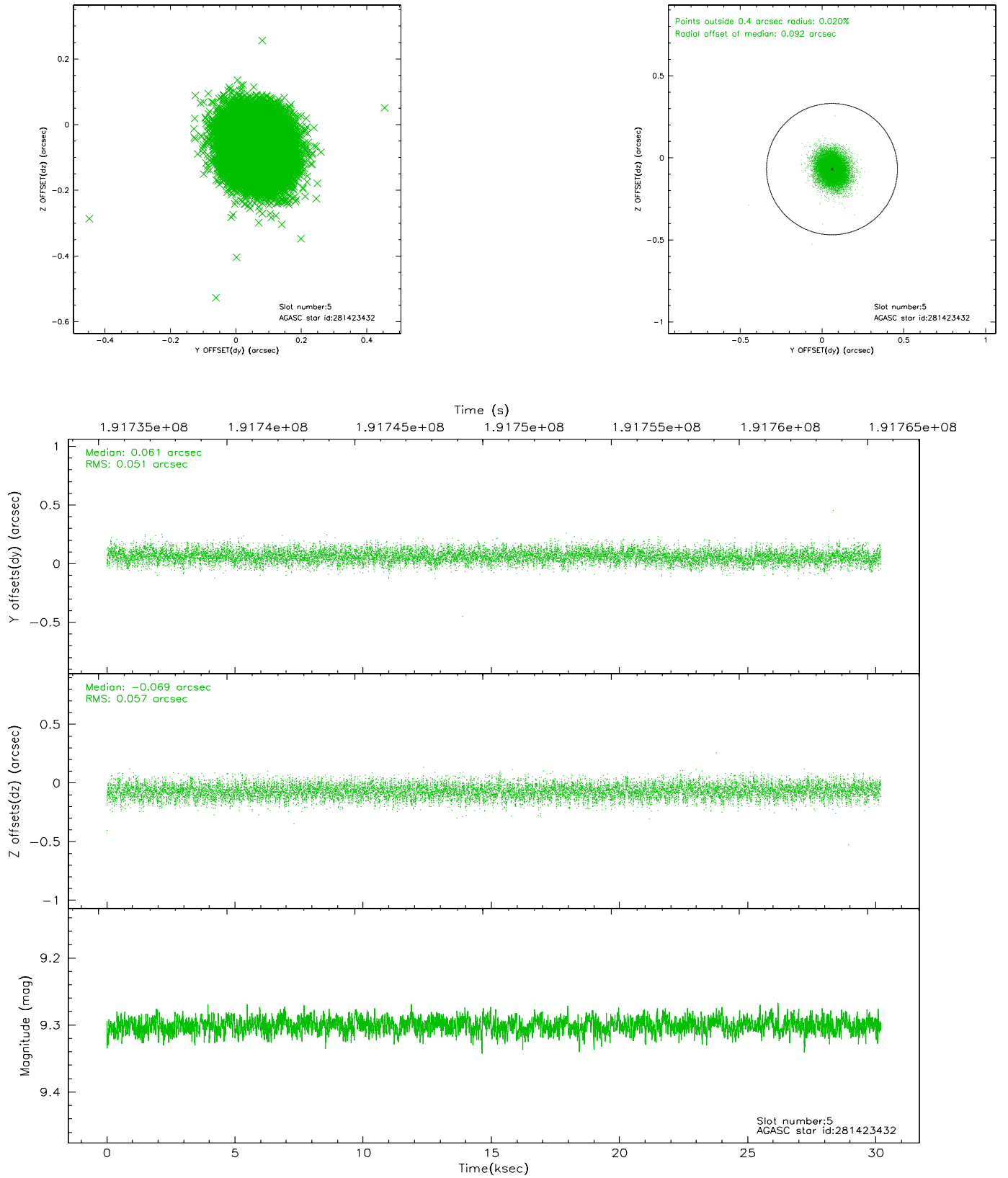
2.4.1 Slot 3



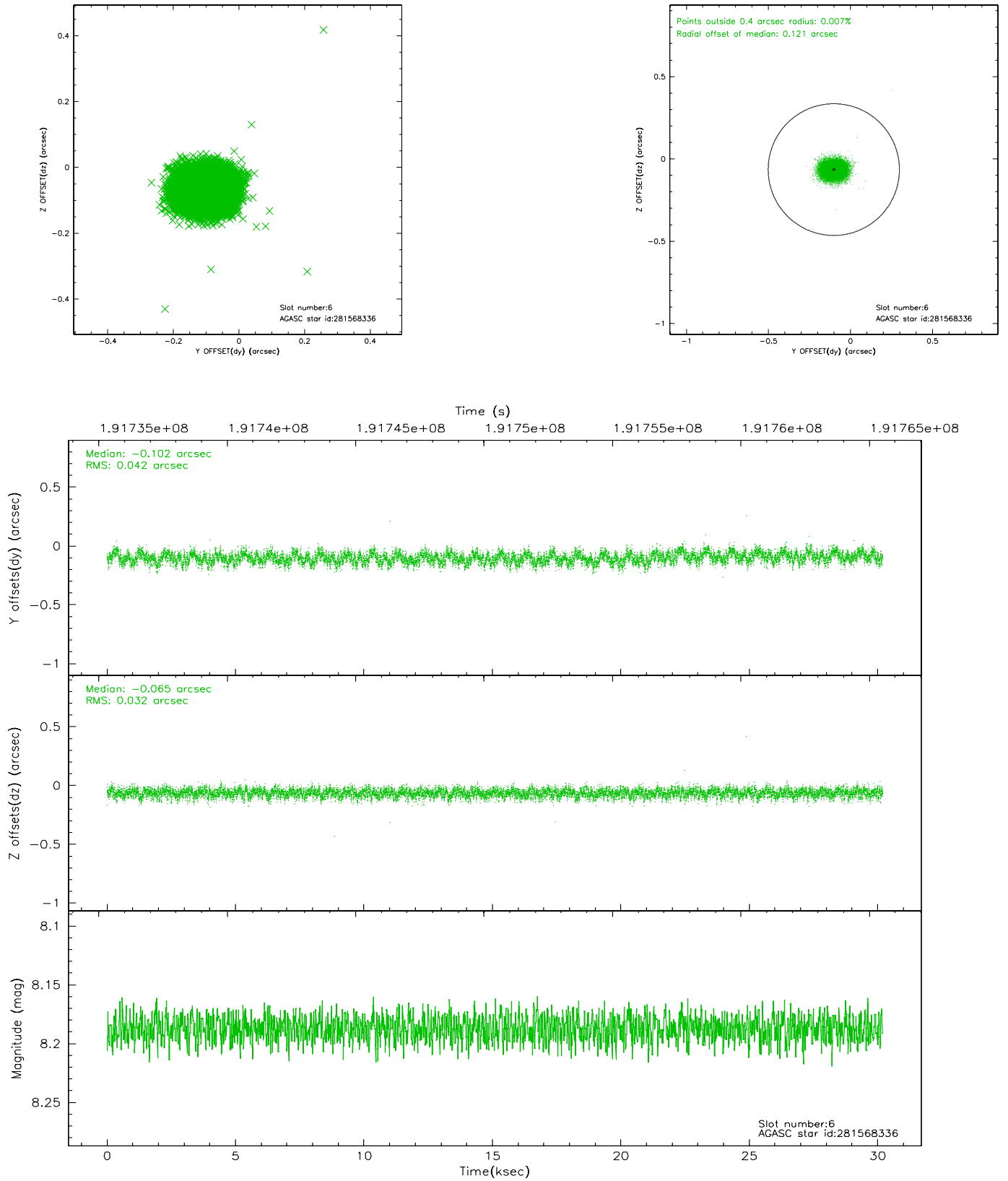
2.4.2 Slot 4



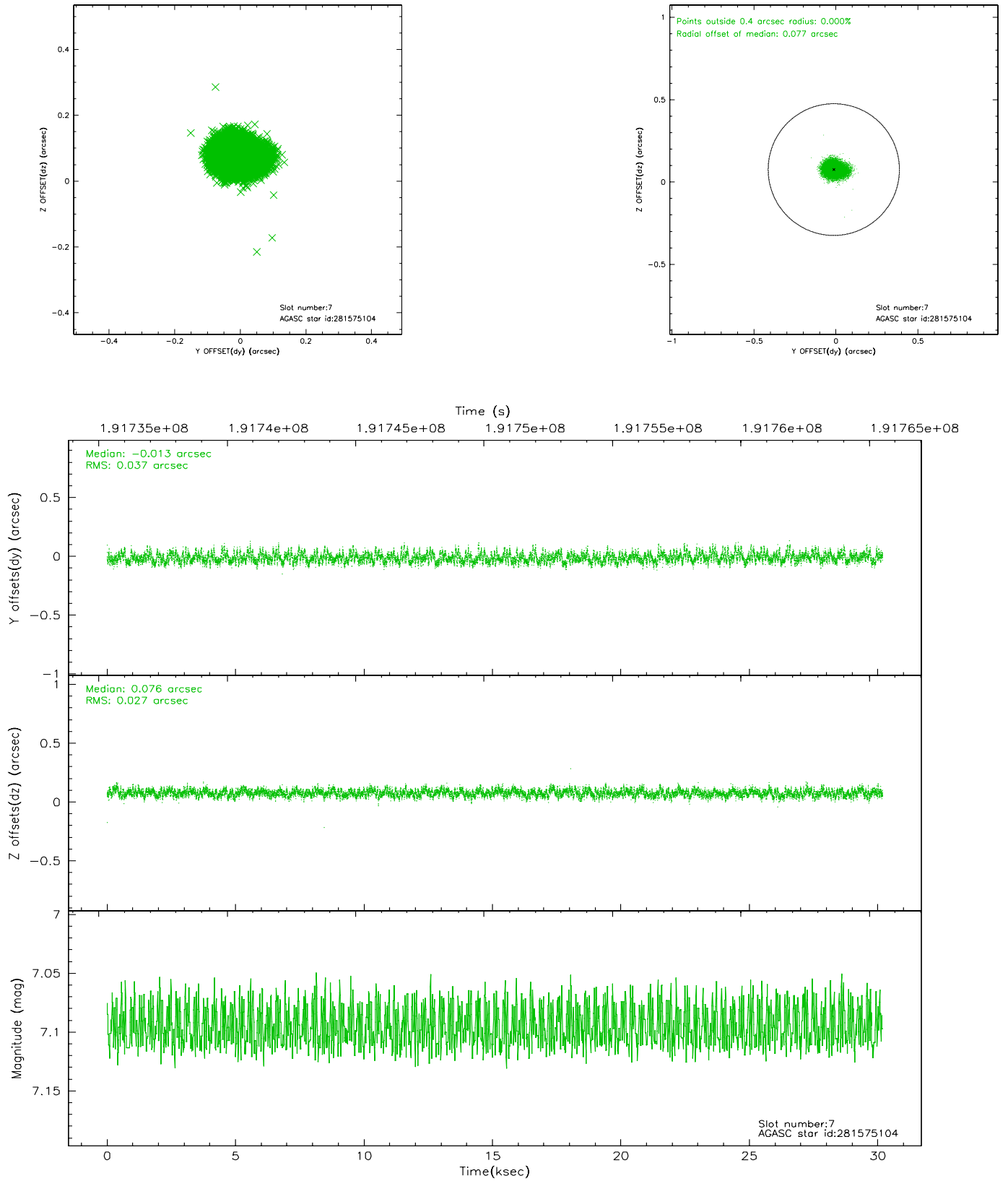
2.4.3 Slot 5



2.4.4 Slot 6

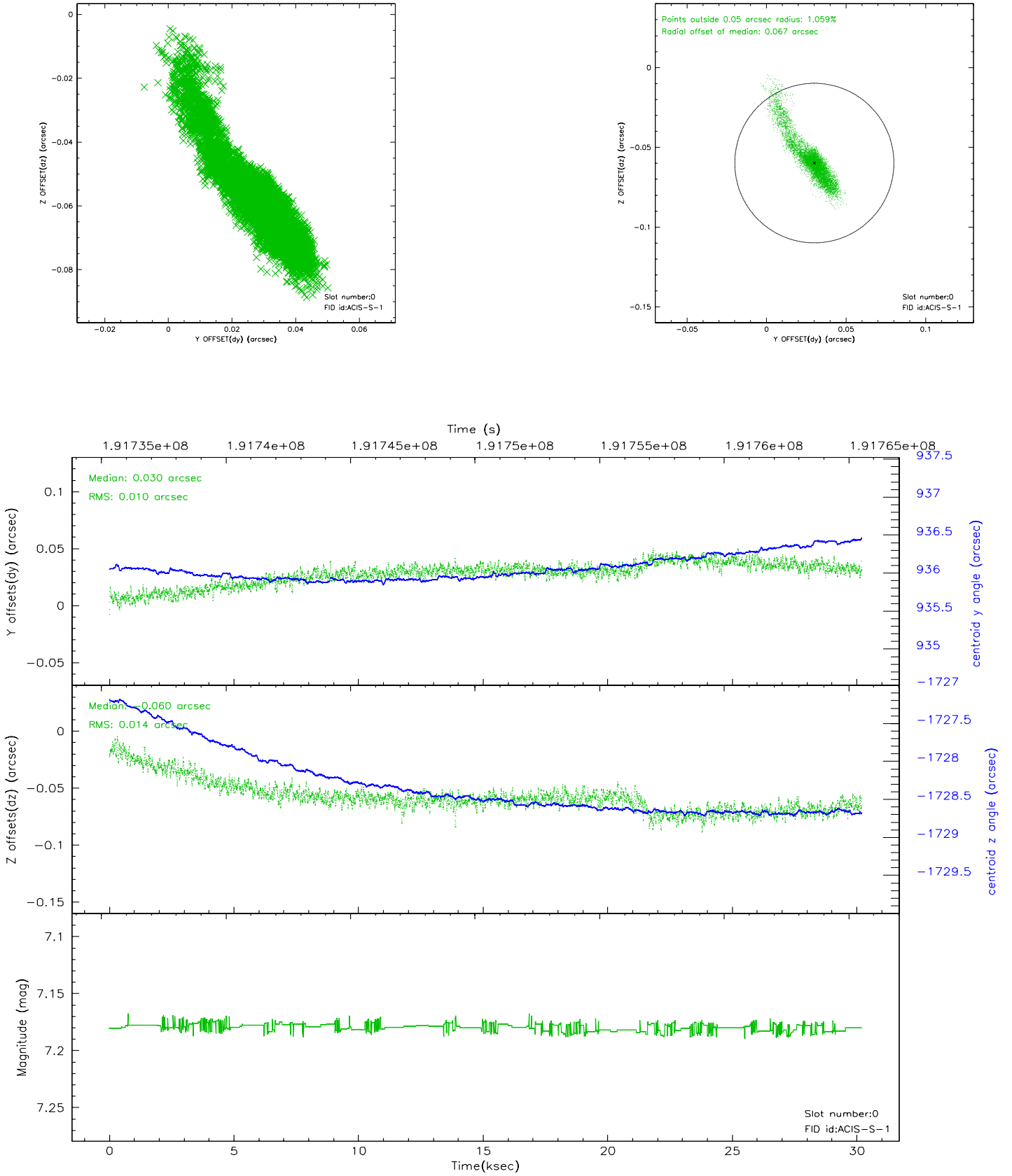


2.4.5 Slot 7

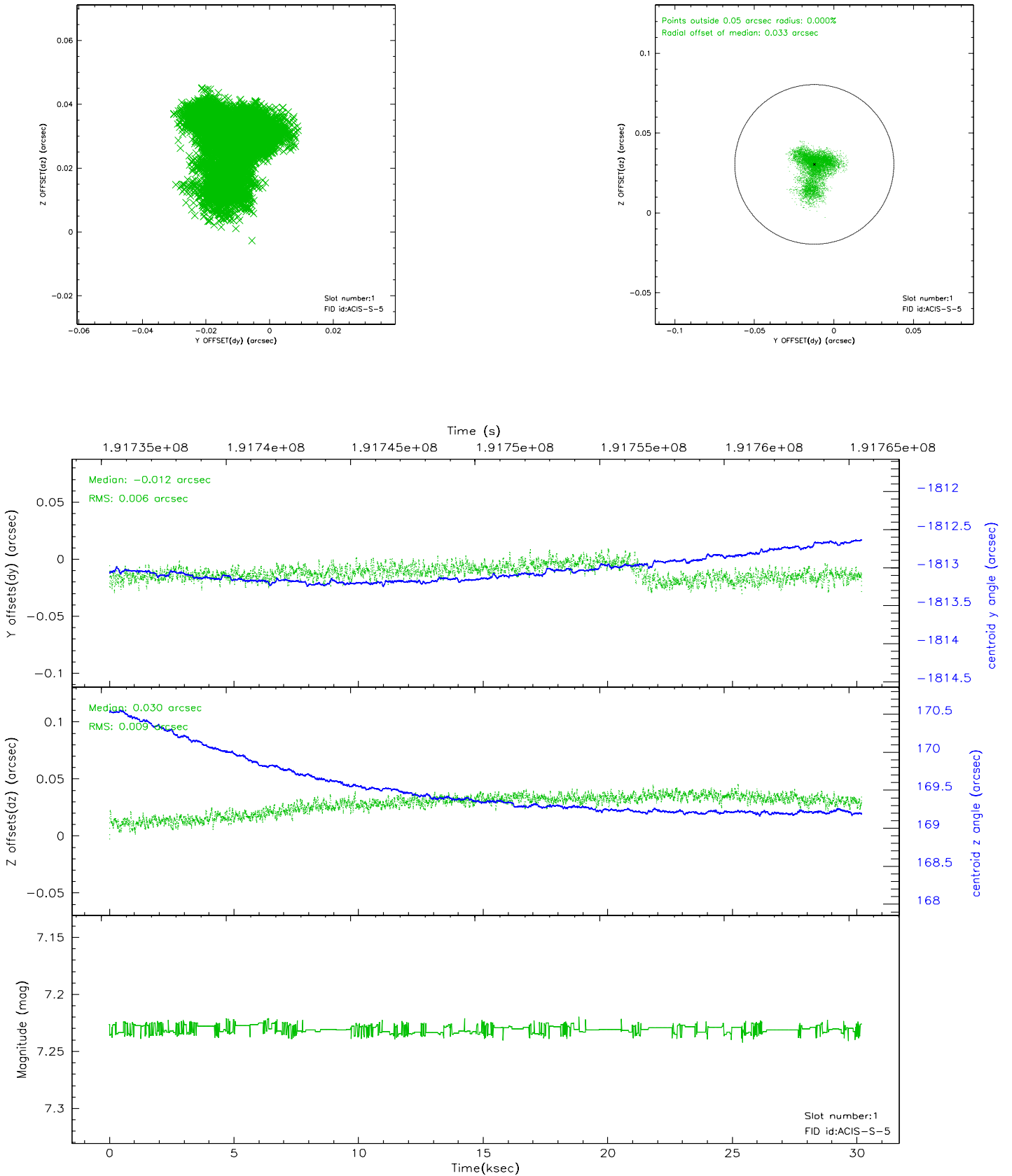


2.5 FID Slots

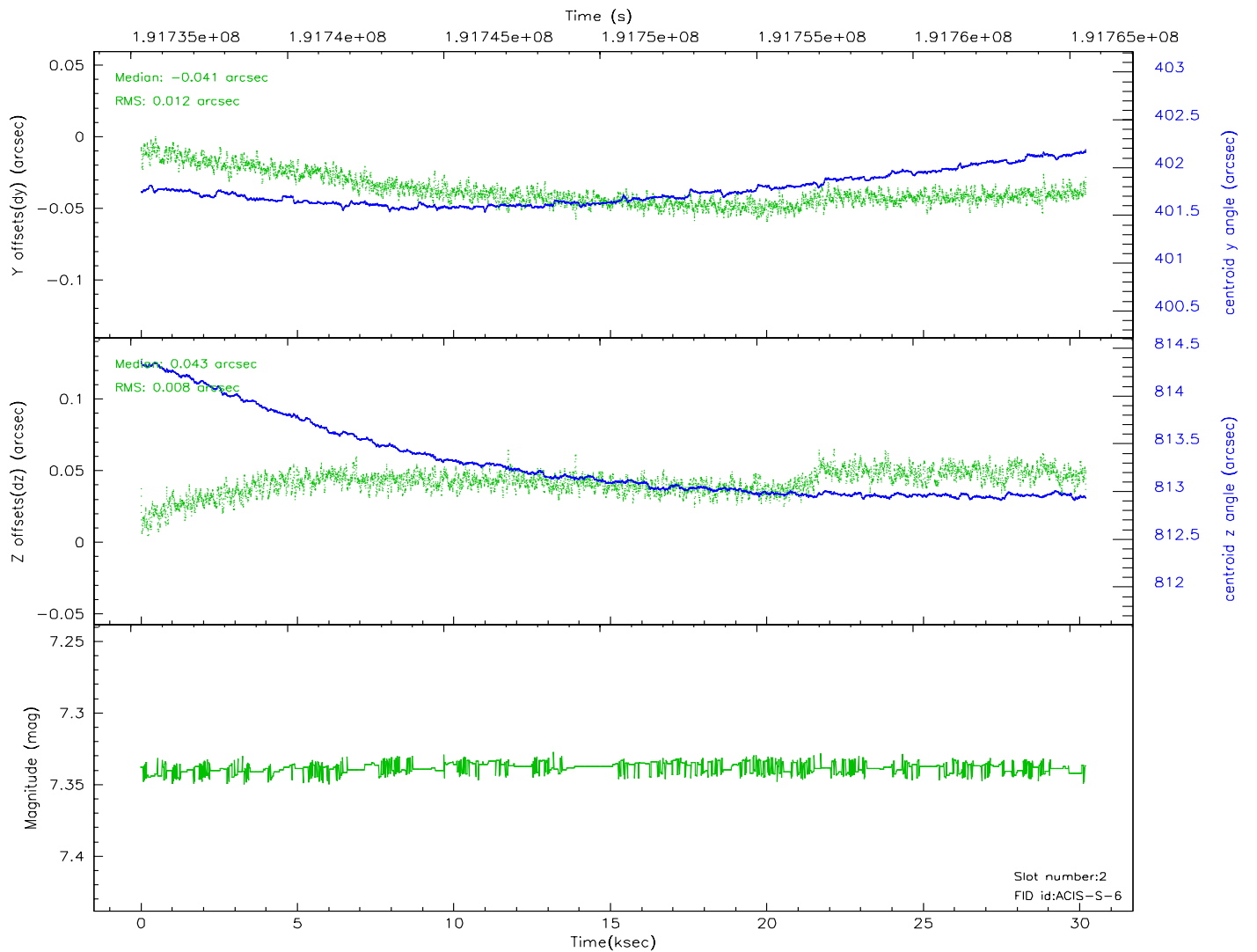
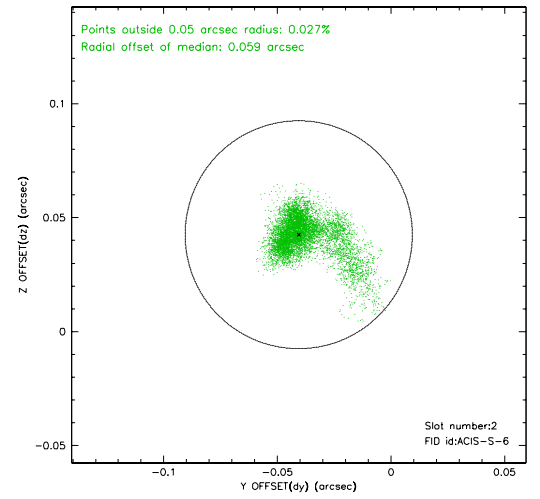
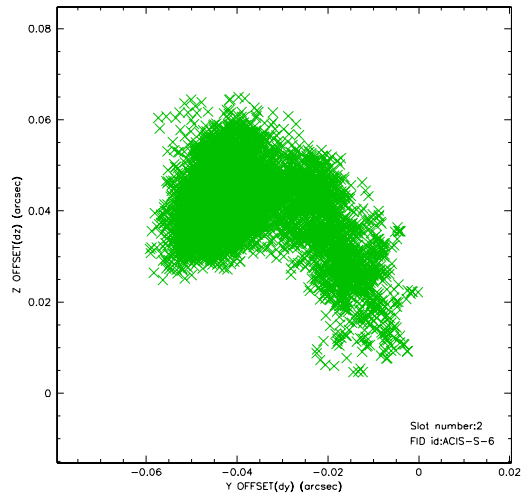
2.5.1 Slot 0



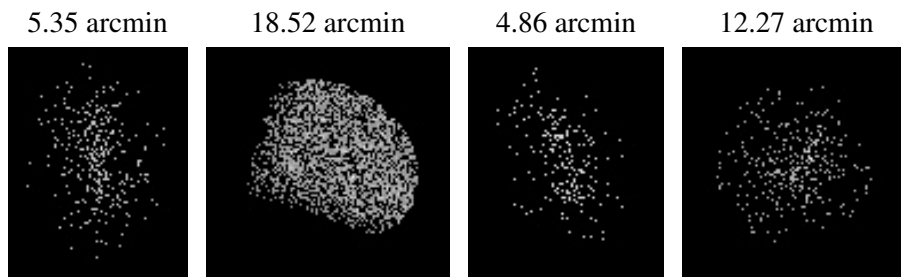
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.06.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.188

A.2 Comments

Roll constraint met.