

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 5196 - L2 Version 001
Chandra X-Ray Center

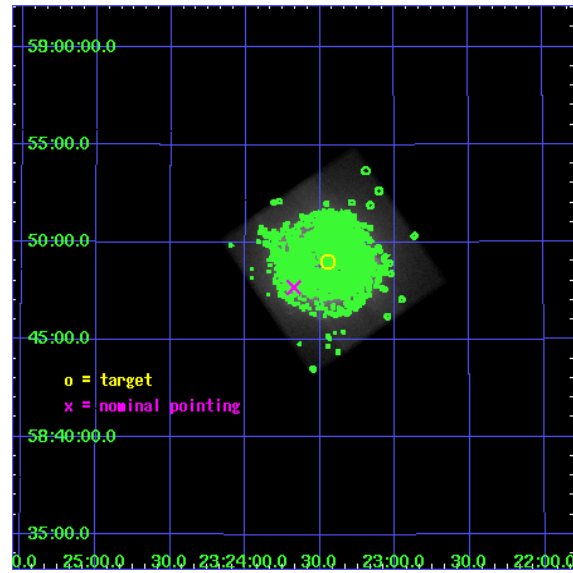
L2 Processing Date : Jun 5 2006

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1 Front

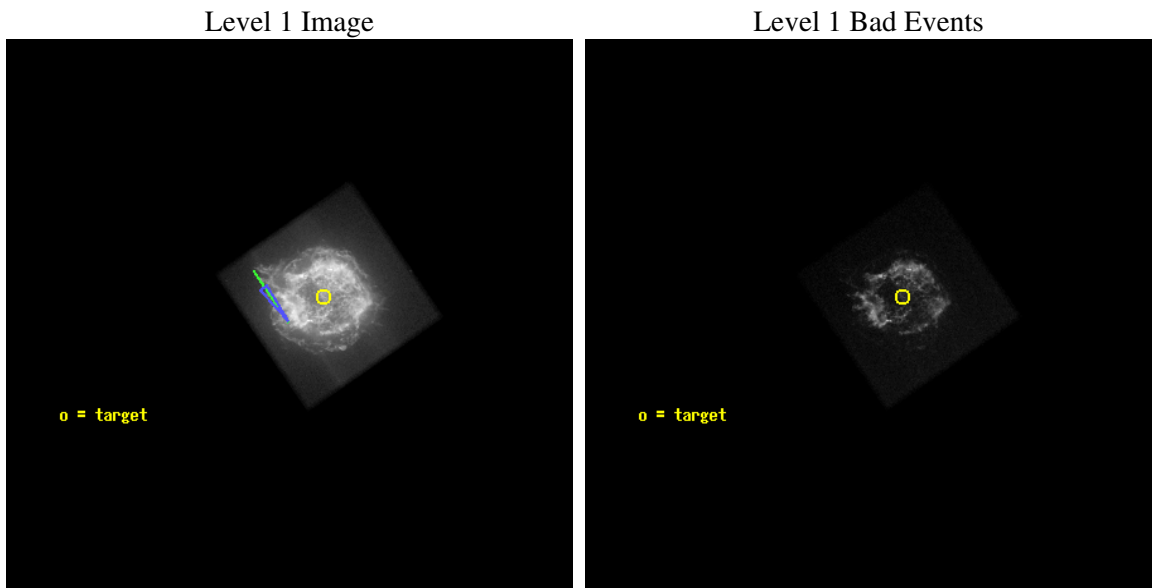
seq_num	500459
obs_id	5196
title	The Cassiopeia A Explosion: Getting at the Core Issues
observer	Dr Una Hwang
object	Cassiopeia A
dtcycle	0
cycle	P
ra_targ	350.86125
dec_targ	58.8175
ra_nom	350.91875349389
dec_nom	58.794913166243
roll_nom	325.50744439119
revision	2
ontime	50156.717832744
livetime	49521.603270796
ontime7	50156.717832744
l2events	14922027



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	2006-06-05T20:30:19
revision	2

sched_exp_time	50000.000000
ontime	51609.671646237
ontime7	51609.671646237
l1events	15980470

2.1.3 Events

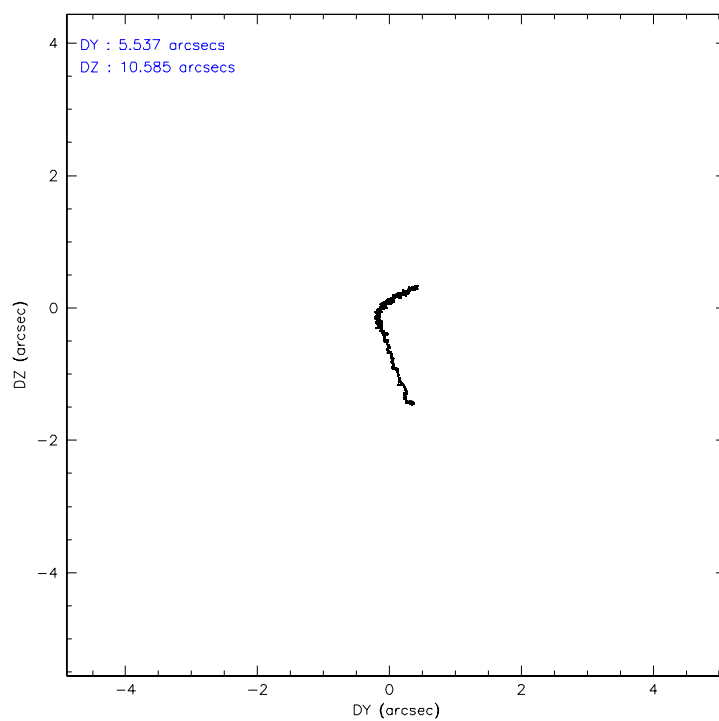
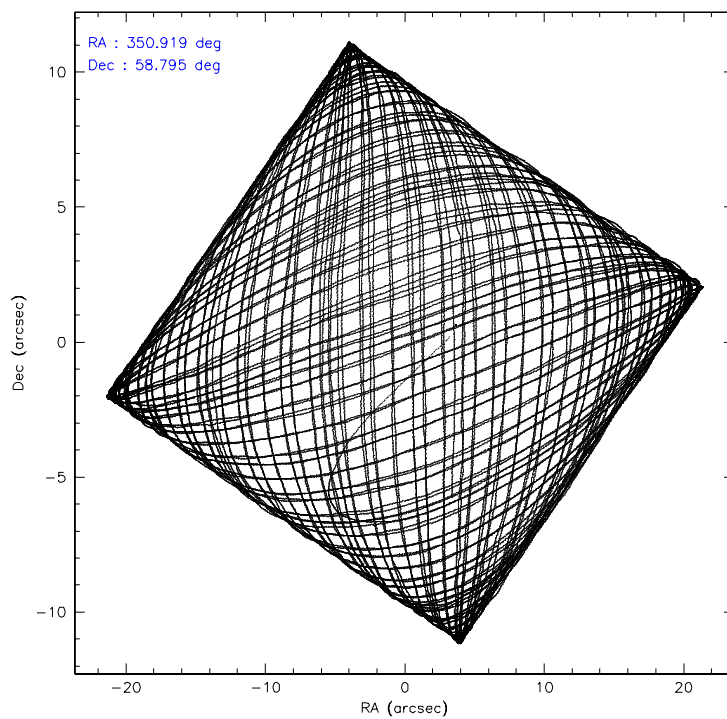
	ccd 7
level 1 events	15980470
rejected events	899751
rejected %	5%

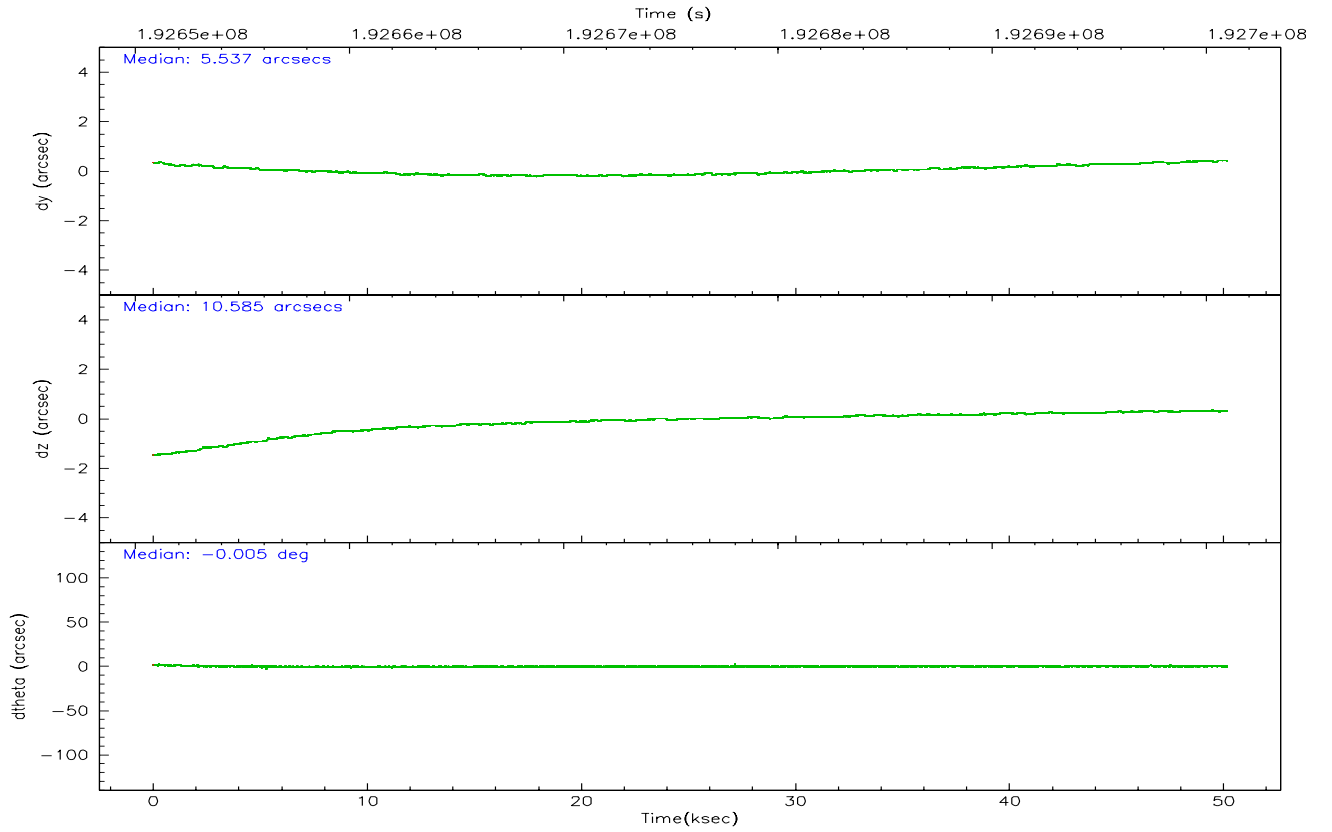
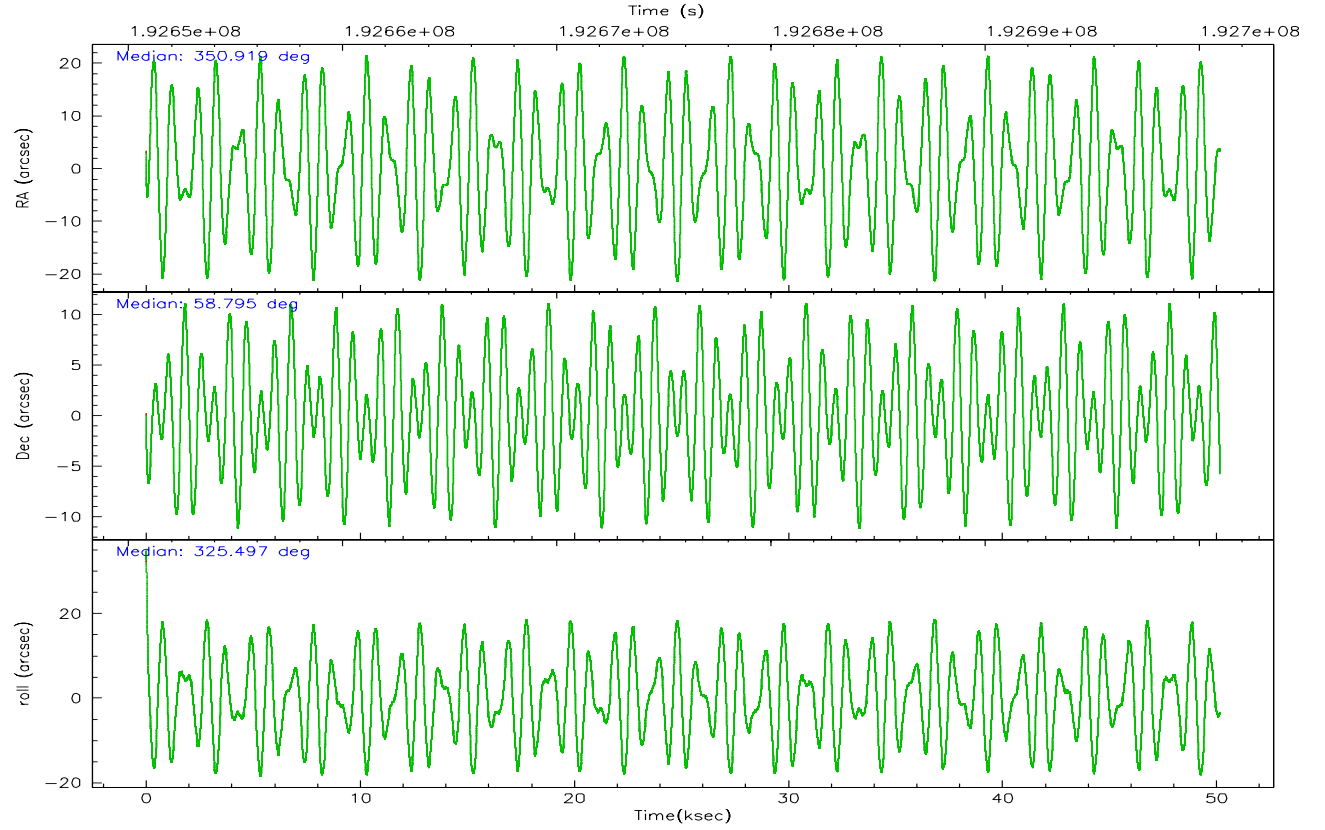
	ccd 7
grade 0 events	3510887
	21%
grade 1 events	67580
	0%
grade 2 events	4329848
	27%
grade 3 events	1671278
	10%
grade 4 events	1654914
	10%
grade 5 events	278083
	1%
grade 6 events	3967307
	24%
grade 7 events	500573
	3%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-7	ACIS-7	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	350.866325	350.9187534938902	Alternating exposures requested	N	N
Pointing Dec	58.796662	58.79491316624317	Primary exposure time	0.000000	3.2
Pointing Roll	325.395651	325.5074443911868			
Roll angle	323.400000	323.400000			
Roll tolerance	5.000000	5.000000			
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	192650980.184000	192649359.48143			
Observation start date	2004-02-08T18:08:36	2004-02-08T17:42:39			
Observation end time	192700980.184000	192701789.77123			
Observation end date	2004-02-09T08:01:56	2004-02-09T08:16:29			
Read mode	TIMED	TIMED			

2.3 Aspect



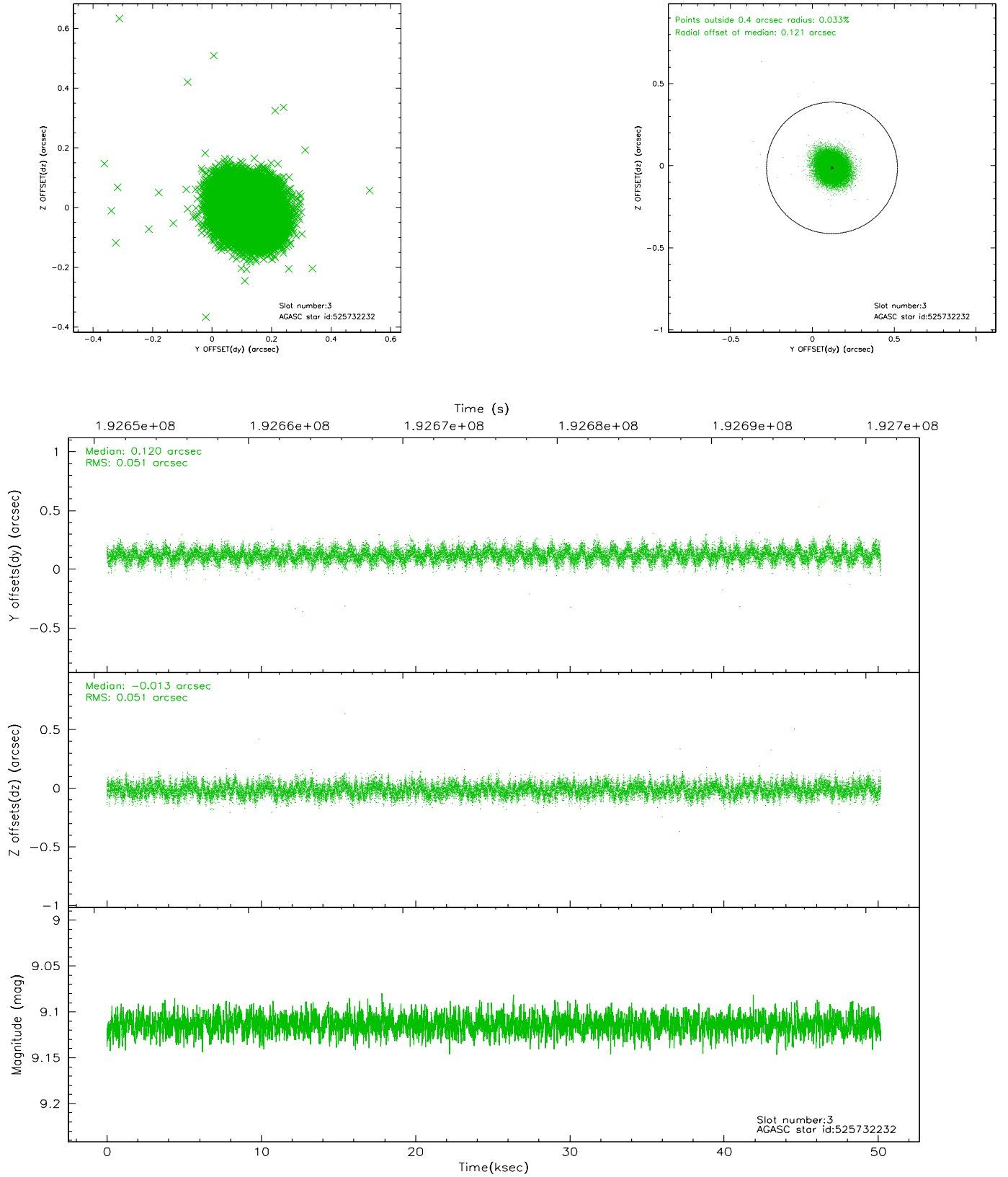


Slot Statistics

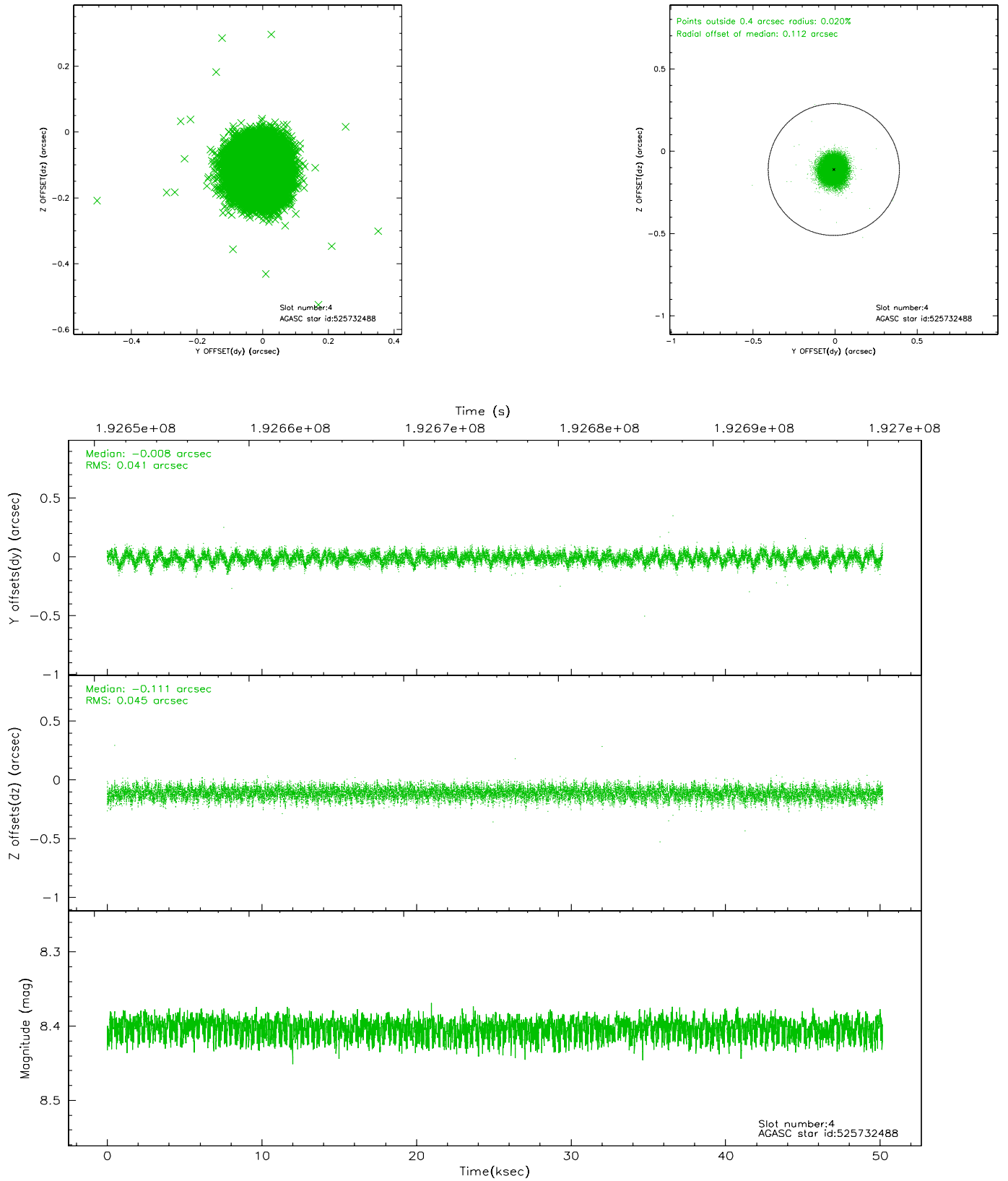
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	12236	-0.026	-0.014	0.019	0.038	0.000000	0.000000	937.70	-1727.34
1	FID	ACIS-S-4	7.20	12235	0.039	0.027	0.015	0.031	0.000000	0.000000	2155.17	176.87
2	FID	ACIS-S-5	7.23	12236	-0.040	-0.000	0.010	0.014	0.000000	0.000000	-1811.20	170.43
3	GUIDE	525732232	9.11	24460	0.120	-0.013	0.076	0.122	351.669550	58.757012	1311.31	741.95
4	GUIDE	525732488	8.40	24463	-0.008	-0.111	0.064	0.102	350.087090	58.516915	-638.14	-1653.87
5	GUIDE	525736400	9.06	24464	0.031	0.141	0.074	0.120	350.974563	59.175145	-609.55	1235.14
6	GUIDE	525735976	8.87	24464	-0.037	0.037	0.108	0.170	350.142956	58.277622	-69.49	-2309.31
7	GUIDE	525732528	9.37	24456	-0.106	-0.042	0.108	0.173	351.607241	59.298932	89.44	2267.91

2.4 Star Slots

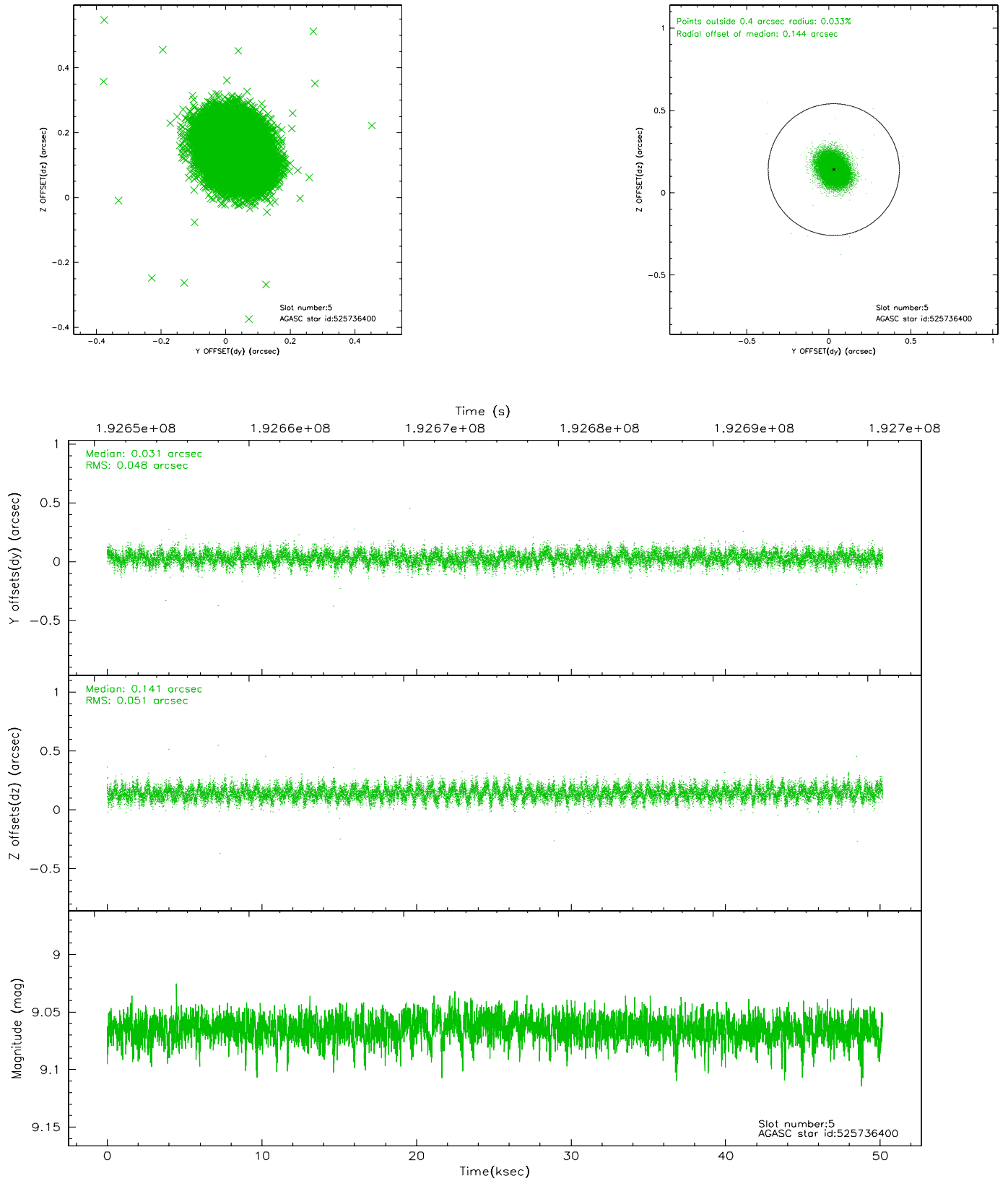
2.4.1 Slot 3



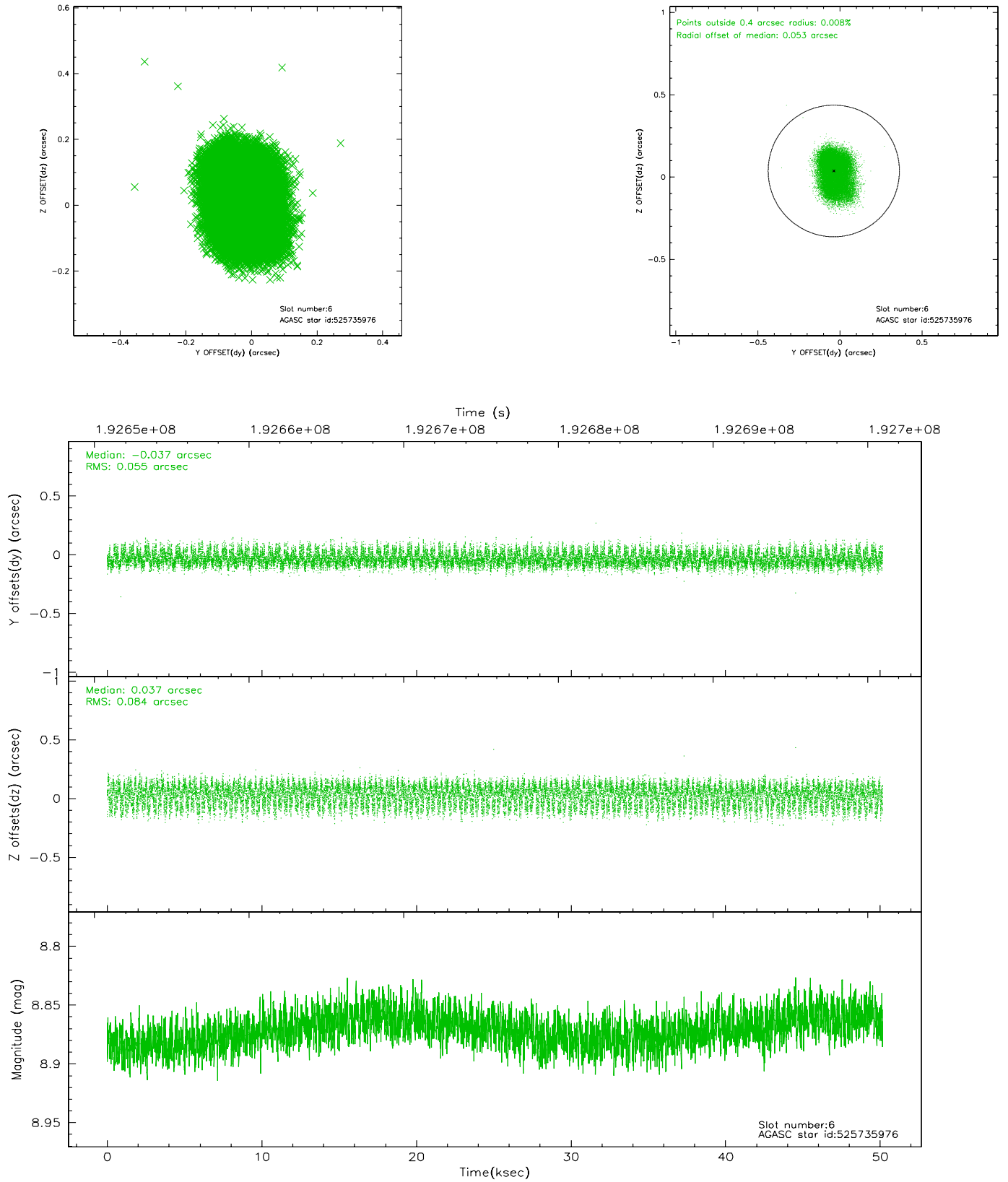
2.4.2 Slot 4



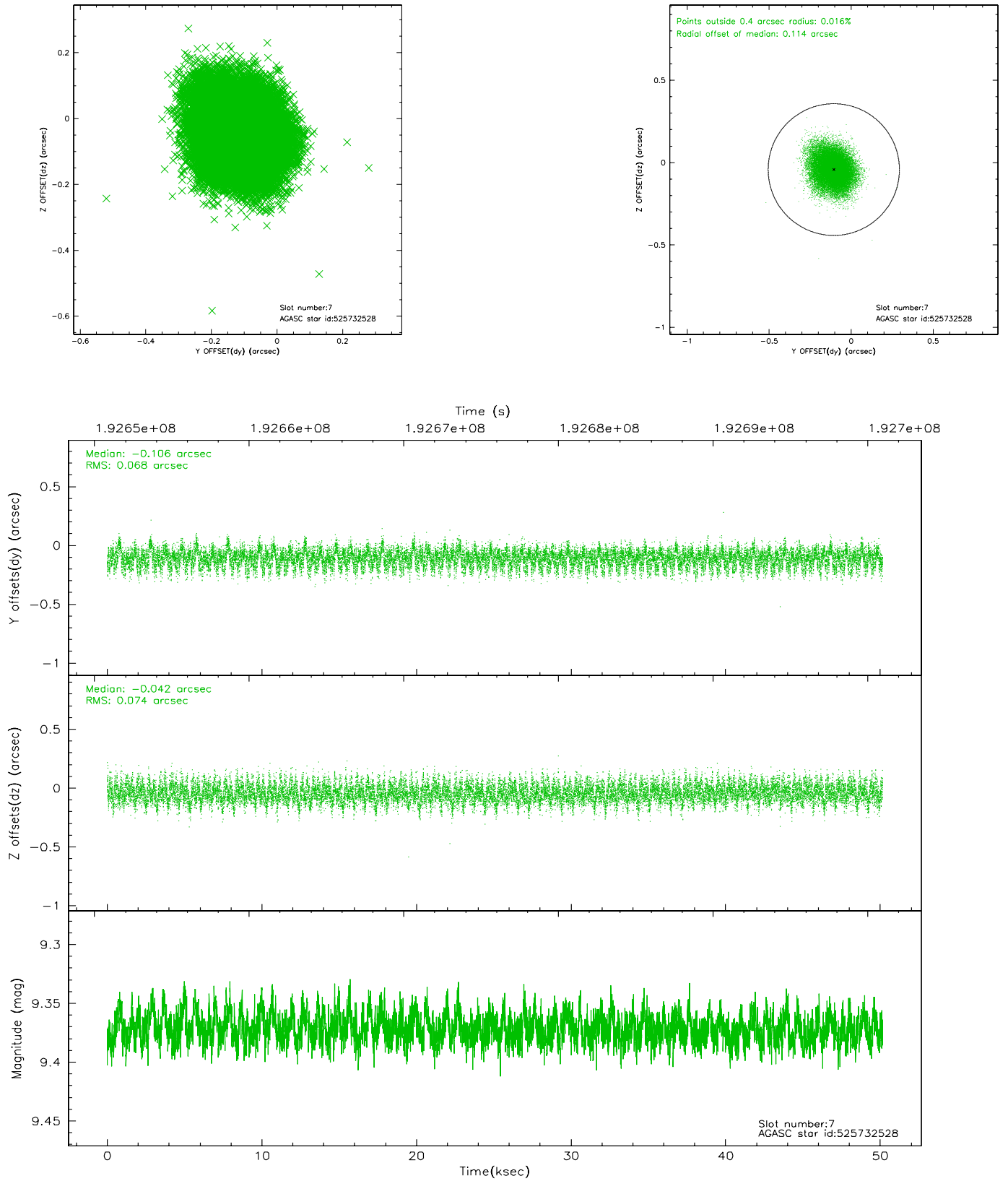
2.4.3 Slot 5



2.4.4 Slot 6

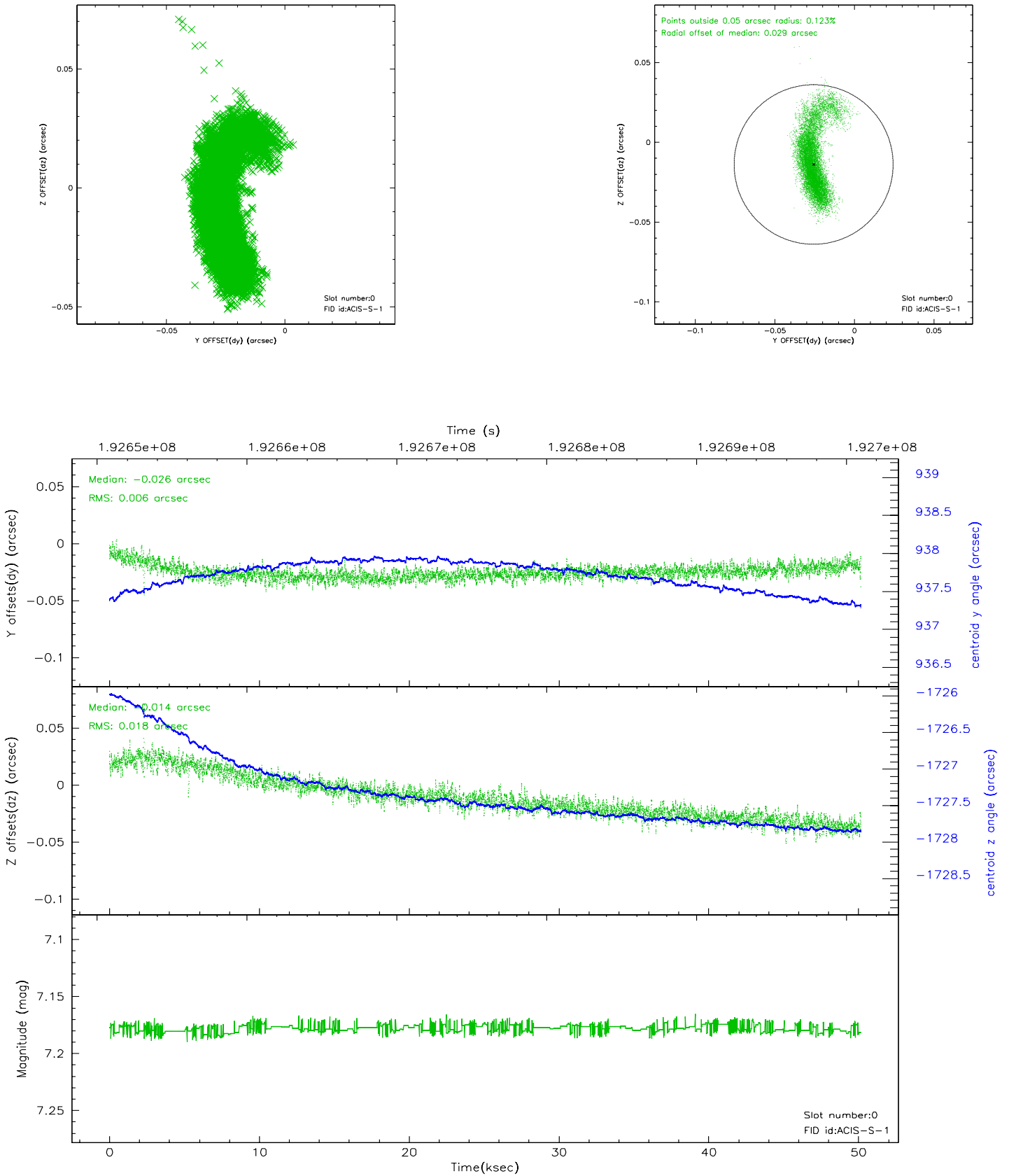


2.4.5 Slot 7

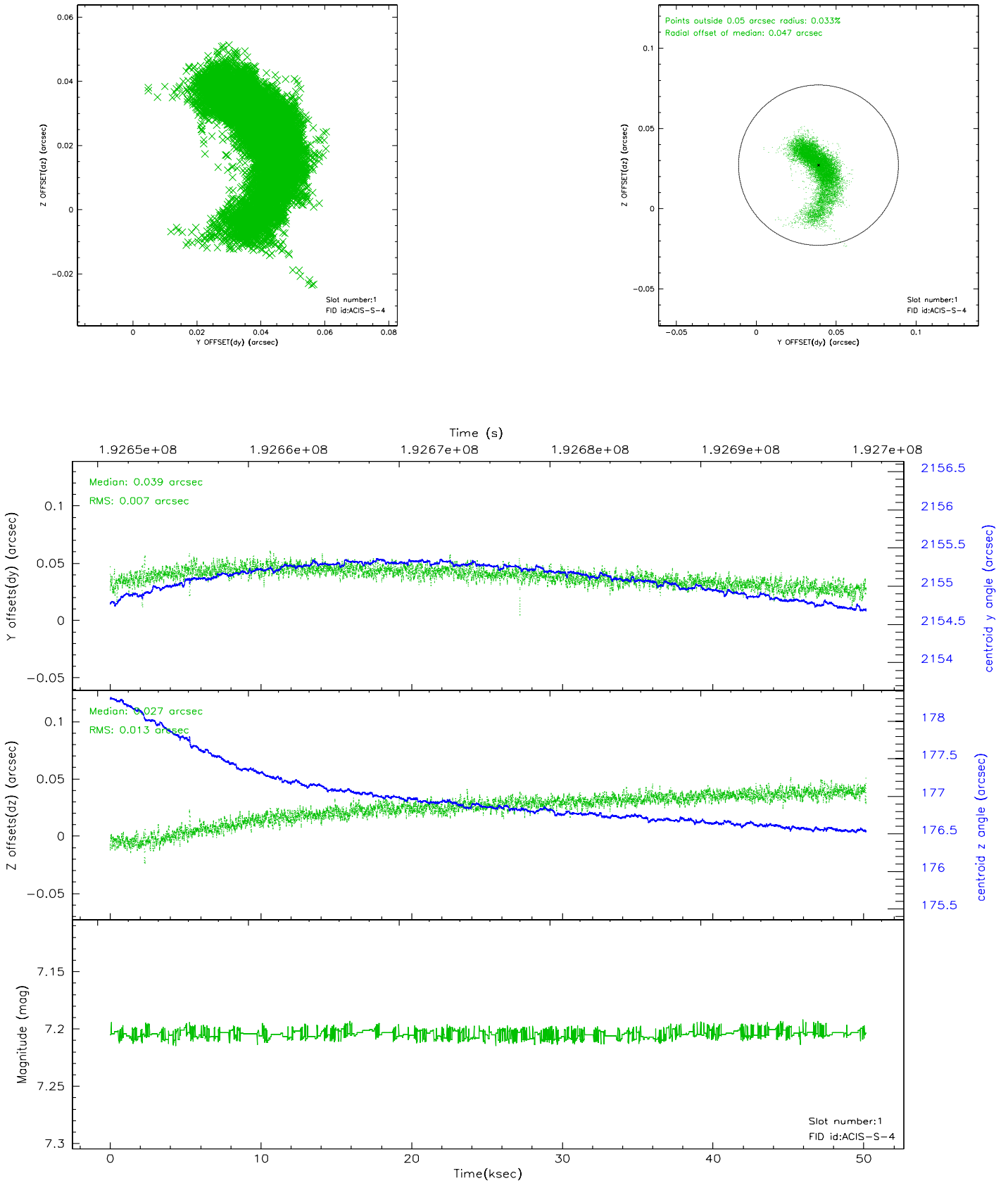


2.5 FID Slots

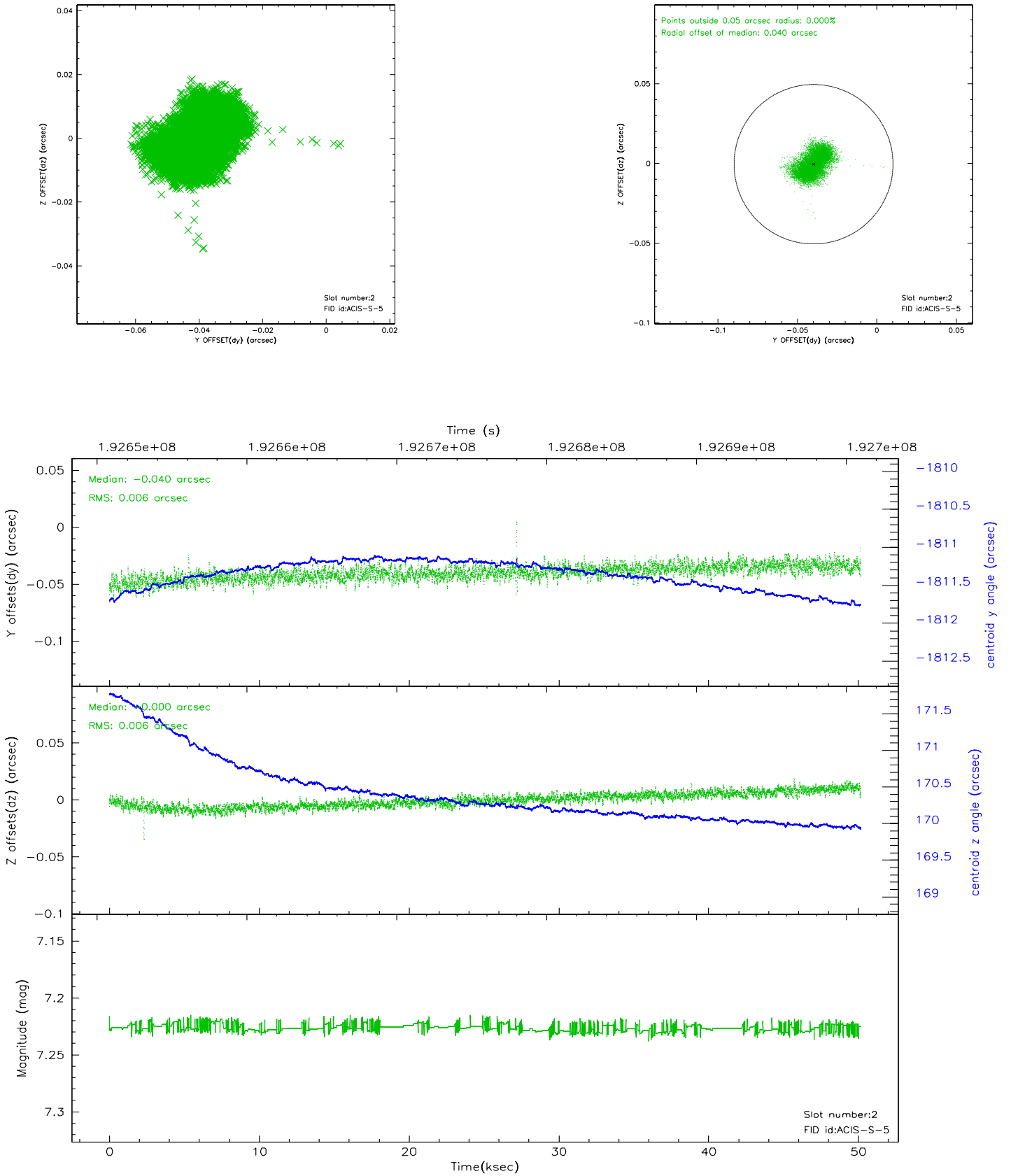
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources

6.82 arcmin



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.06.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.156

A.2 Comments

Roll constraint met.