

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 5588 - L2 Version 002
Chandra X-Ray Center

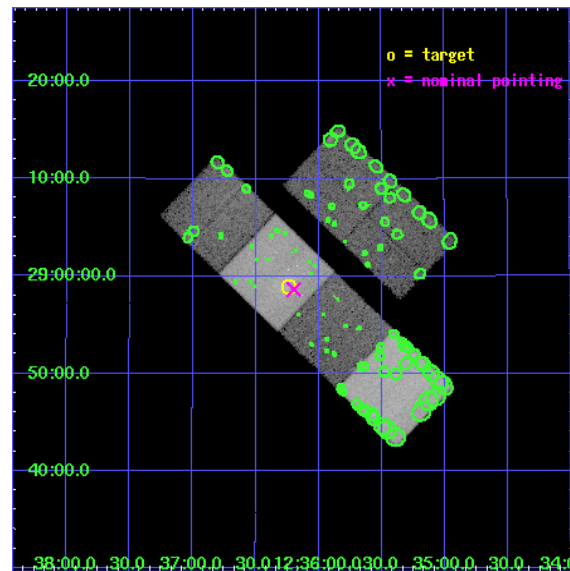
L2 Processing Date: Mar 3 2006

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1 Front

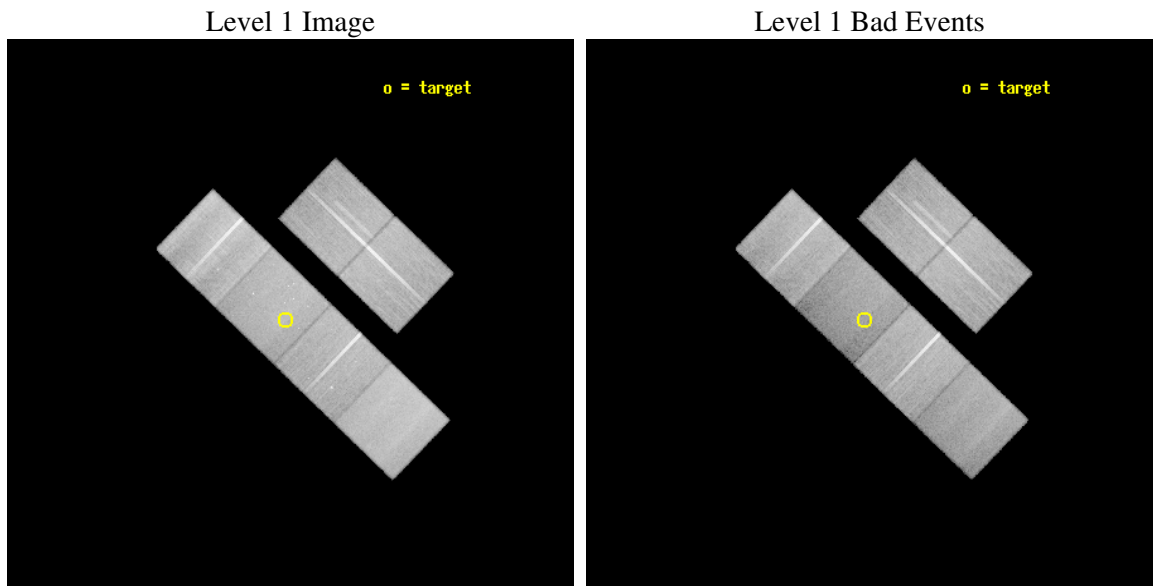
seq_num	500577
obs_id	5588
title	A Day in the Life of a Short Gamma-Ray Burst Afterglow
observer	Dr. David Burrows
object	GRB 050509b
dtcycle	0
cycle	P
ra_targ	189.058333
dec_targ	28.983056
ra_nom	189.04917116086
dec_nom	28.977697142227
roll_nom	223.85433664252
revision	2
ontime	49958.39981389
livetime	49325.79647411
ontime2	49955.158833623
ontime3	49955.158833593
ontime5	49958.39981389
ontime6	49958.39981389
ontime7	49958.39981389
ontime8	49951.905506849
l2events	361915



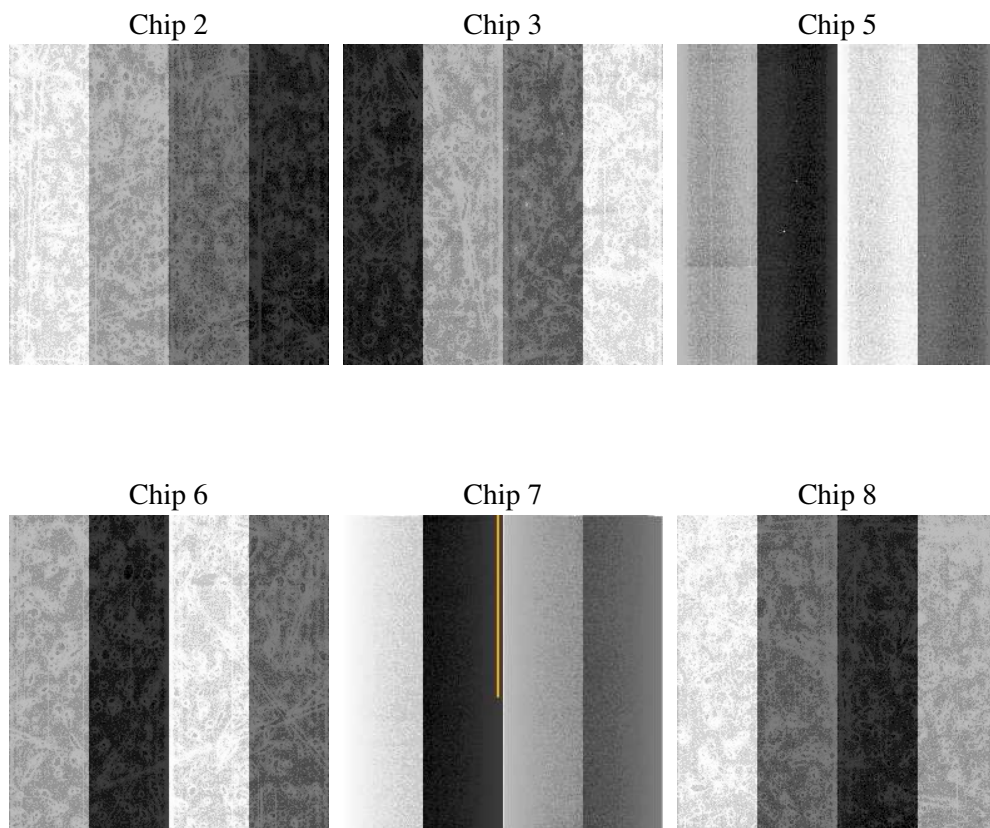
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7
caldsver	3.2.1
date	2006-03-03T10:24:33
revision	2

sched_exp_time	50000.000000
ontime	49963.386194319
ontime2	49960.145194113
ontime3	49960.145194083
ontime5	49963.386194319
ontime6	49963.386174381
ontime7	49963.386194319
ontime8	49956.904293478
l1events	1743406

2.1.4 Events

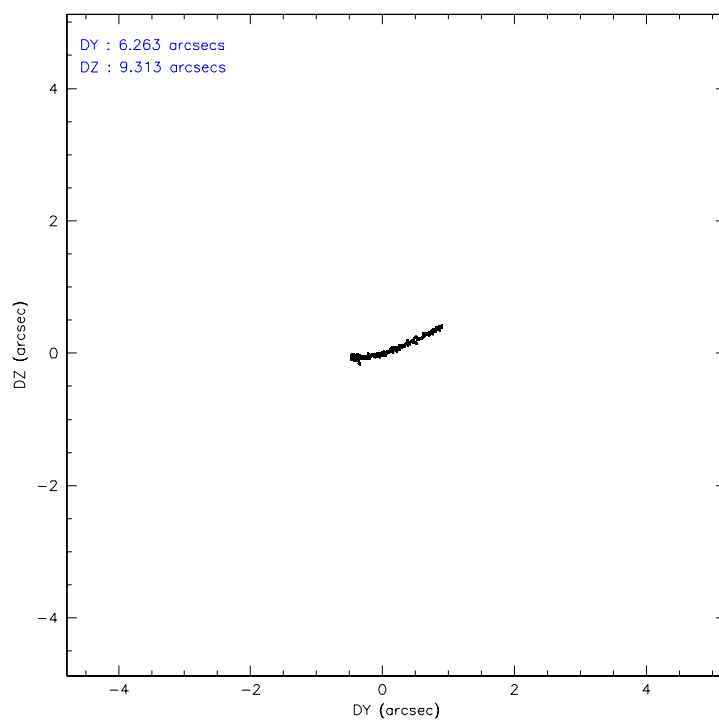
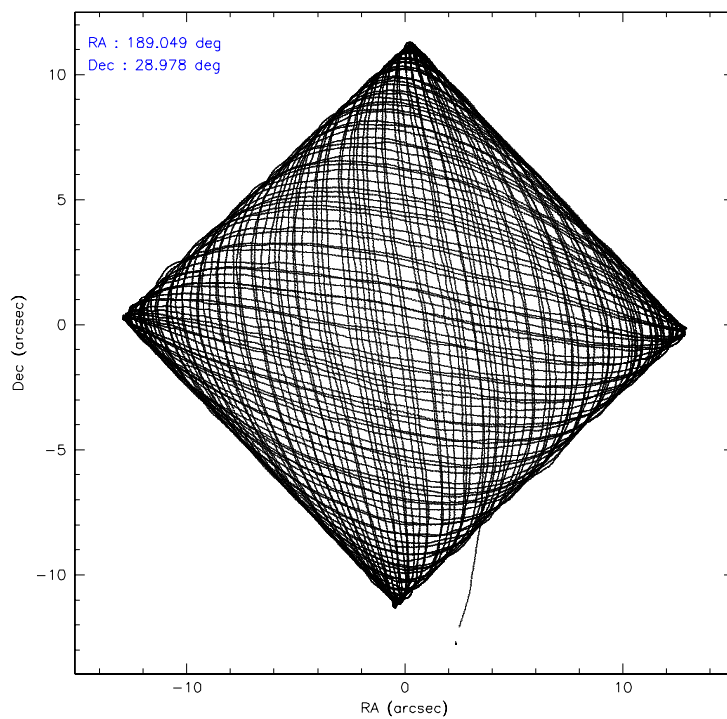
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	285380	266227	322312	275305	263304	330878
rejected events	259256	240613	168590	246088	146510	254193
rejected %	90%	90%	52%	89%	55%	76%

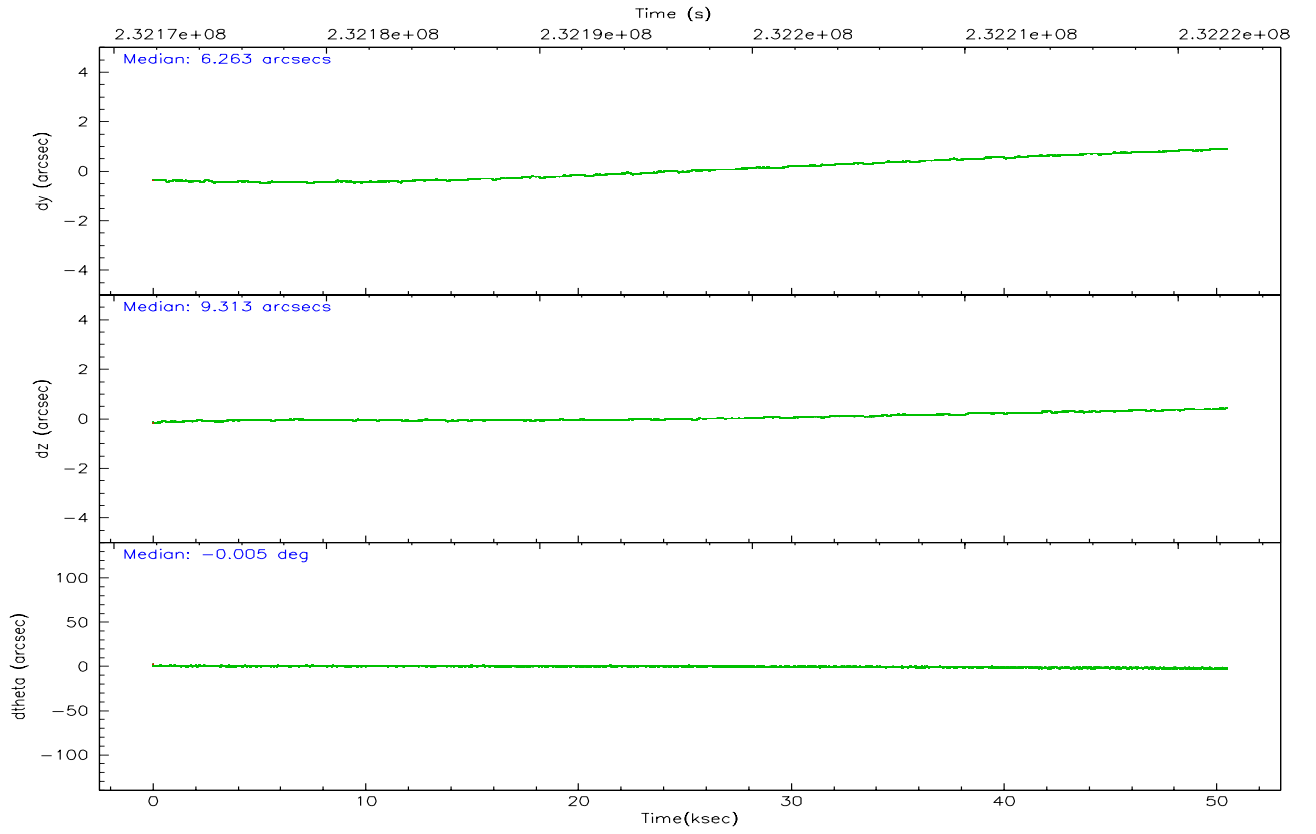
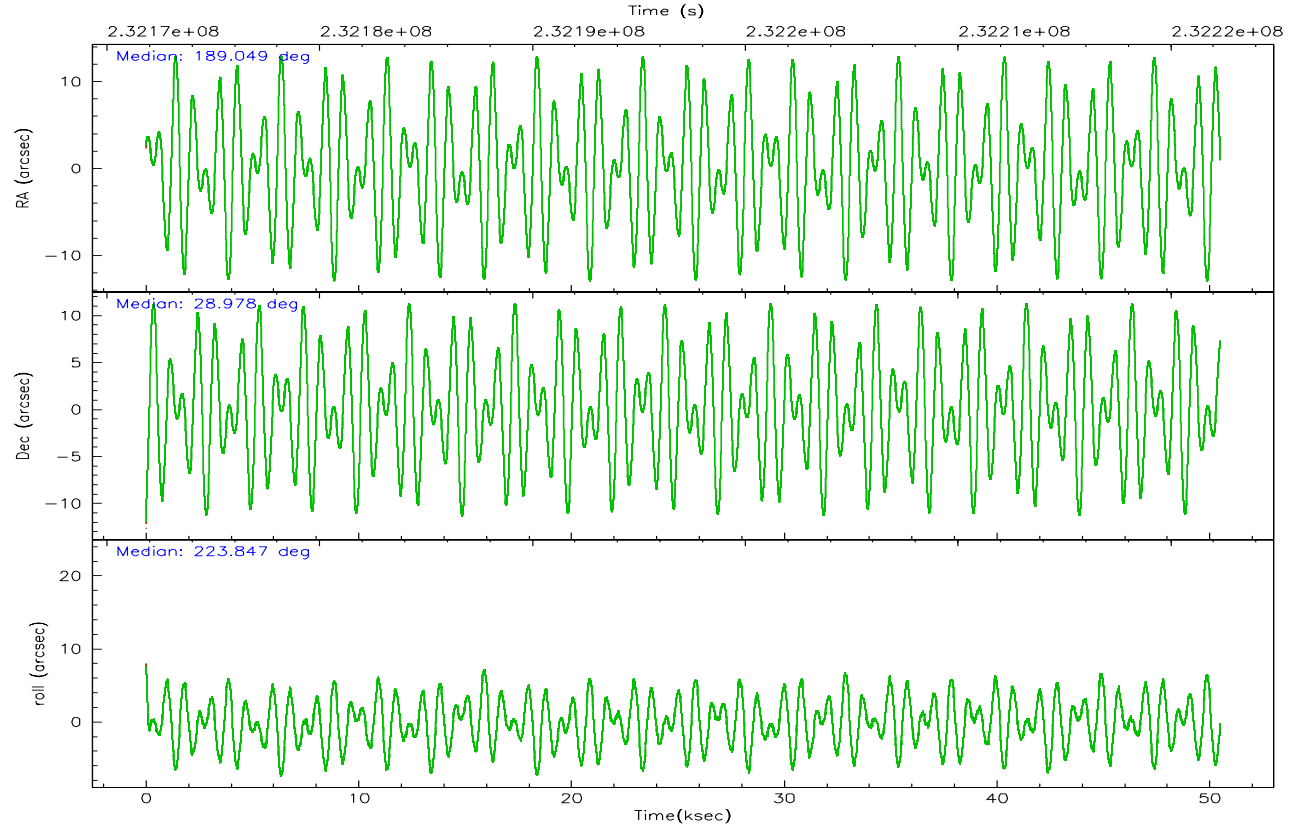
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	9518	9761	5258	11044	7787	18871
	3%	3%	1%	4%	2%	5%
grade 1 events	143	130	77	119	137	217
	0%	0%	0%	0%	0%	0%
grade 2 events	6169	5310	48121	6148	28608	18091
	2%	1%	14%	2%	10%	5%
grade 3 events	2863	2944	3012	3144	6308	9589
	1%	1%	0%	1%	2%	2%
grade 4 events	2907	2971	2800	3090	6103	8652
	1%	1%	0%	1%	2%	2%
grade 5 events	7932	9234	18297	9460	20732	14481
	2%	3%	5%	3%	7%	4%
grade 6 events	4669	4634	94546	5792	67992	21508
	1%	1%	29%	2%	25%	6%
grade 7 events	251179	231243	150201	236508	125637	239469
	88%	86%	46%	85%	47%	72%

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	189.057397	189.0491711608645	Alternating exposures requested	N	N
Pointing Dec	29.003943	28.97769714222672	Primary exposure time	0.000000	3.2
Pointing Roll	223.693721	223.854336642516			
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	232172326.184000	232171214.3841			
Observation start date	2005-05-11T04:17:42	2005-05-11T04:00:14			
Observation end time	232222326.184000	232224138.72401			
Observation end date	2005-05-11T18:11:02	2005-05-11T18:42:18			
Read mode	TIMED	TIMED			

2.3 Aspect



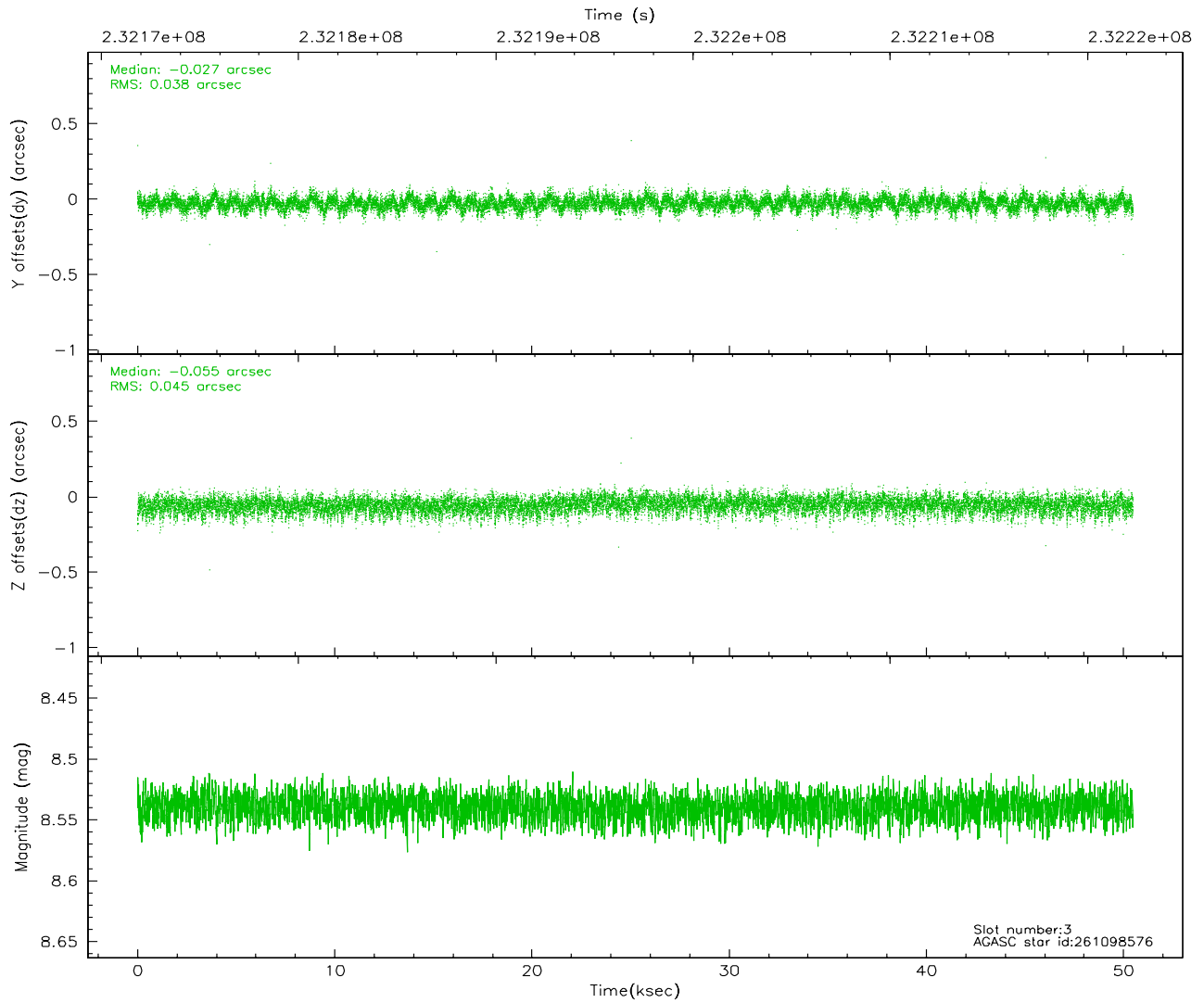
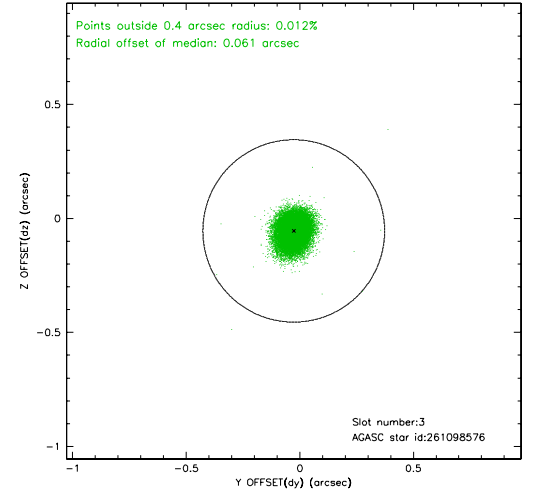
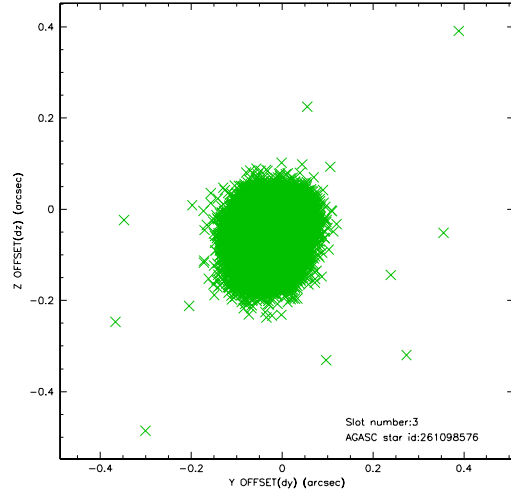


Slot Statistics

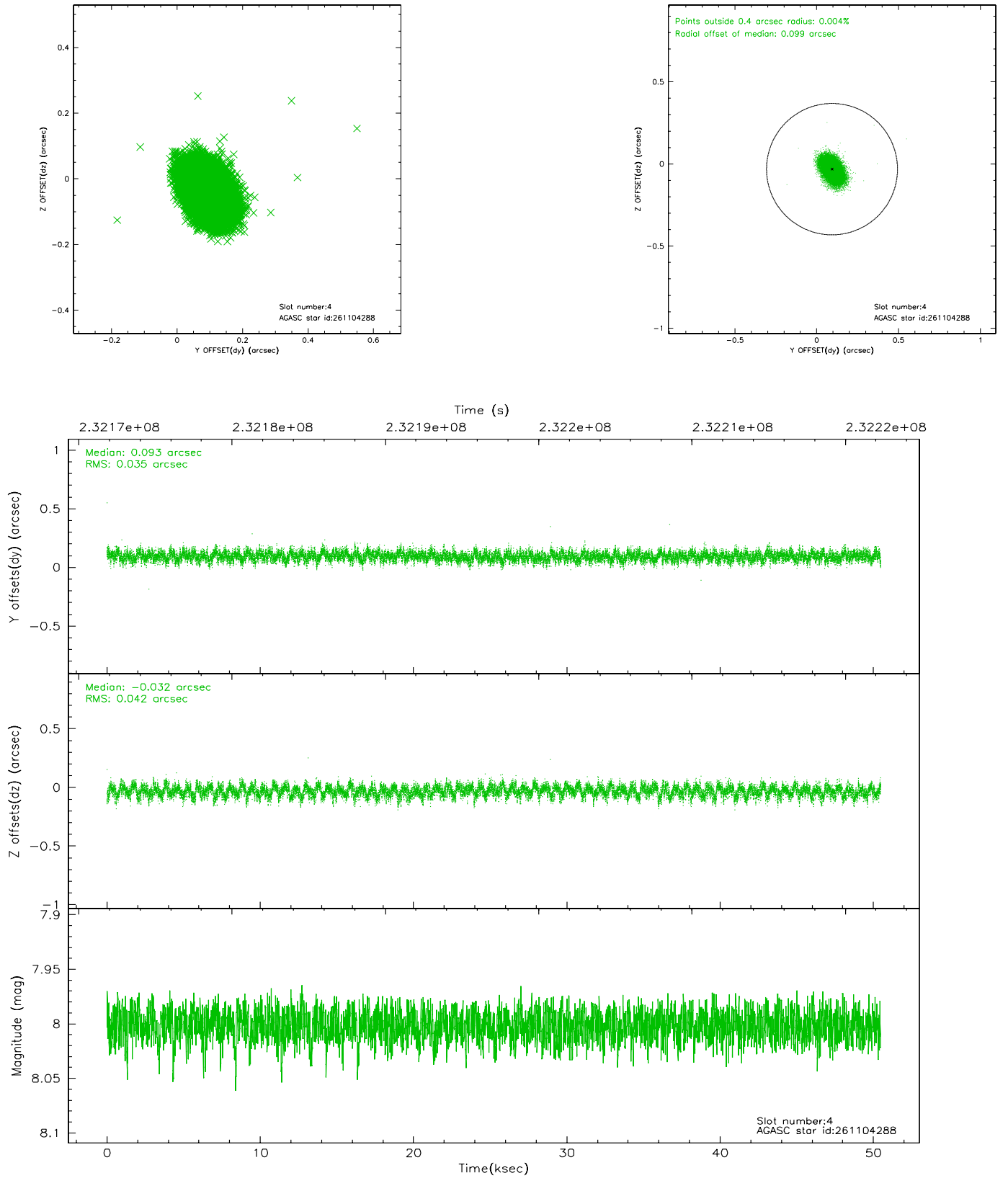
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	12315	-0.049	-0.020	0.016	0.024	0.000000	0.000000	-759.10	-1730.64
1	FID	ACIS-S-4	7.21	12314	0.061	0.028	0.023	0.032	0.000000	0.000000	2154.28	177.95
2	FID	ACIS-S-5	7.23	12314	-0.049	0.002	0.013	0.019	0.000000	0.000000	-1811.99	171.52
3	GUIDE	261098576	8.54	24618	-0.027	-0.055	0.062	0.102	189.023127	29.453244	-1039.38	-1243.76
4	GUIDE	261104288	8.00	24624	0.093	-0.032	0.057	0.096	188.700789	29.087433	602.72	-993.29
5	GUIDE	261106752	7.77	24627	-0.088	0.062	0.054	0.089	189.409570	28.629358	125.82	1742.90
6	GUIDE	261103048	8.52	24622	0.047	-0.056	0.076	0.120	189.630193	28.573081	-240.95	2369.54
7	GUIDE	261104944	8.90	24617	-0.025	0.082	0.075	0.124	189.811207	29.235429	-2292.85	1029.48

2.4 Star Slots

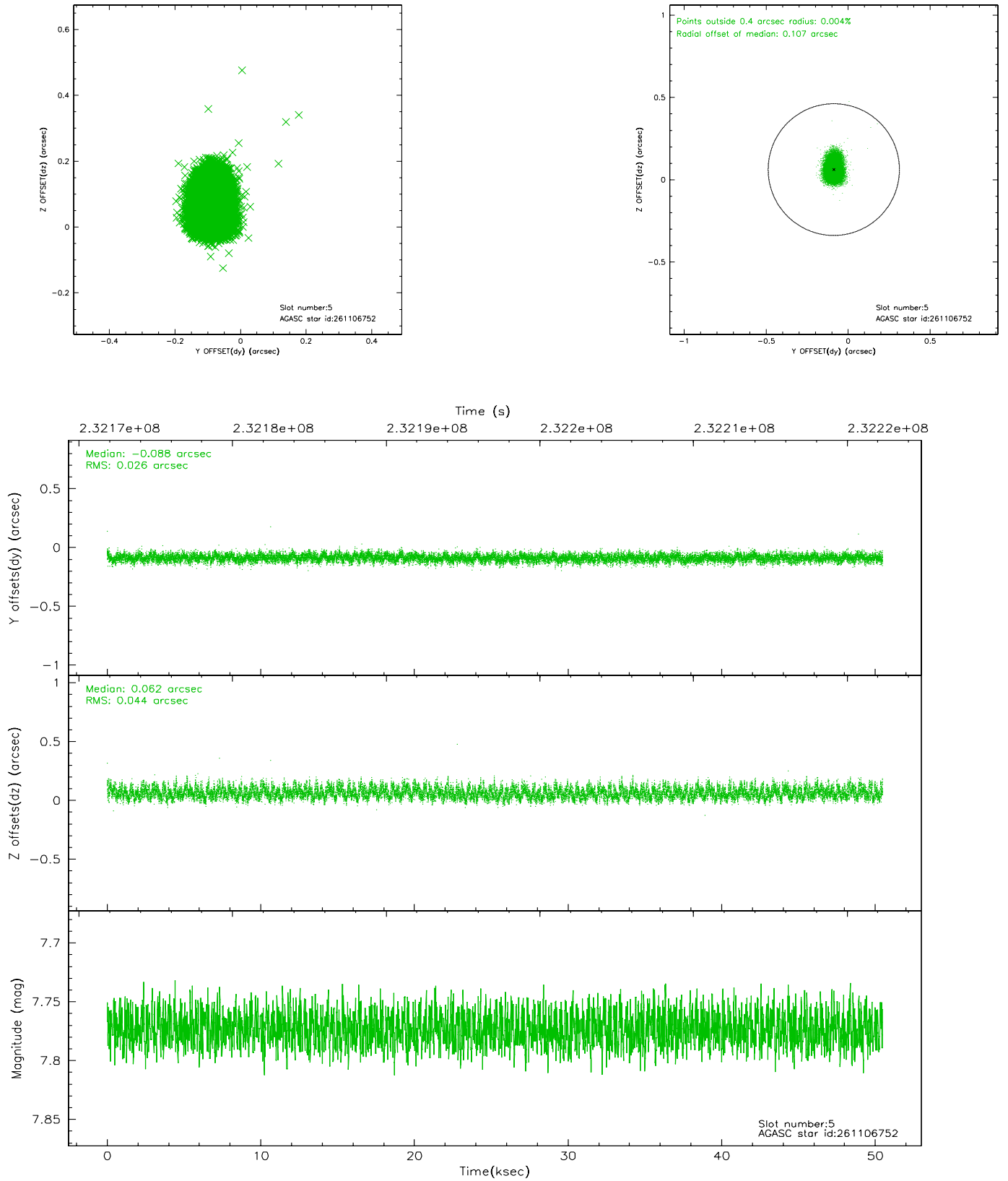
2.4.1 Slot 3



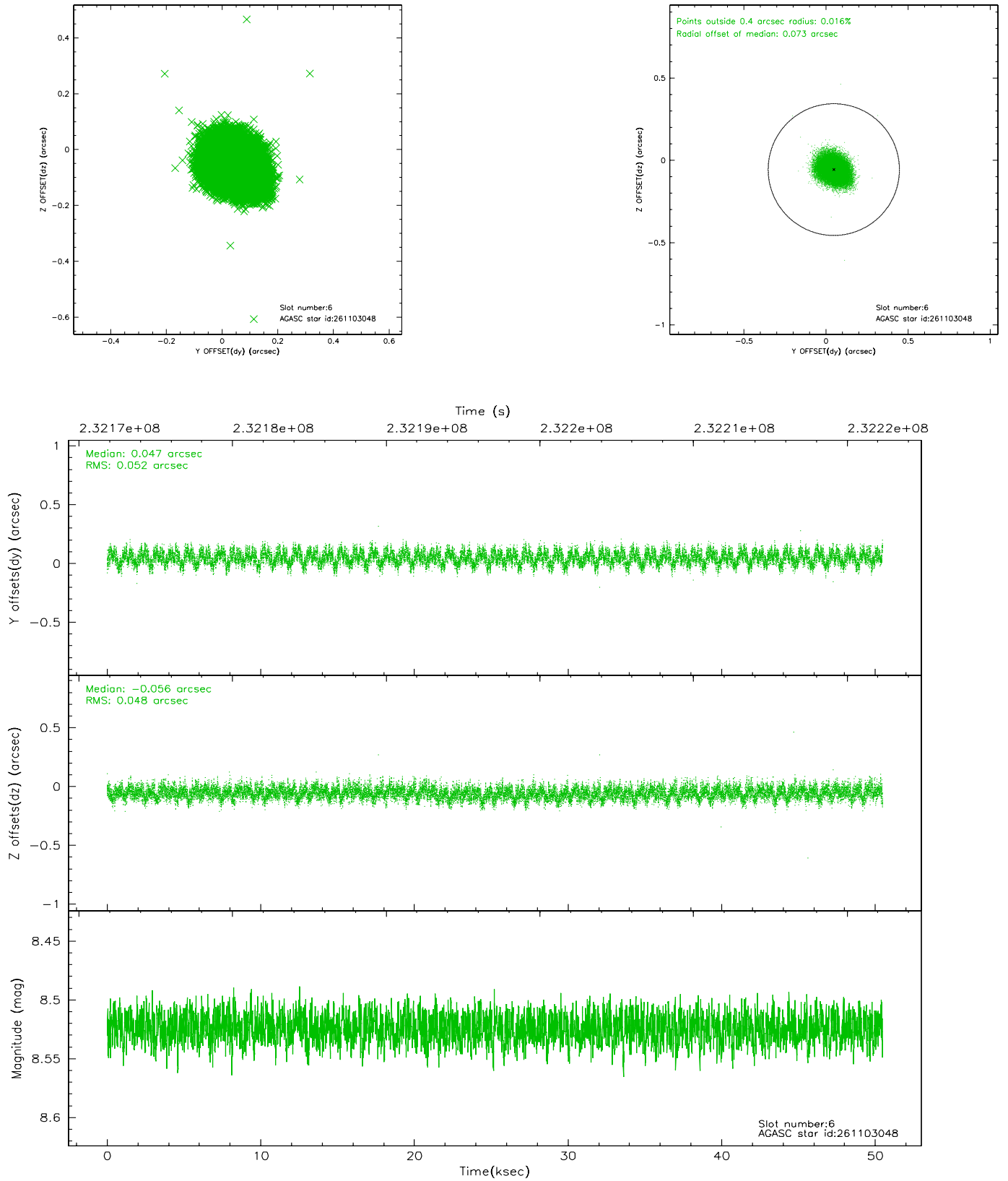
2.4.2 Slot 4



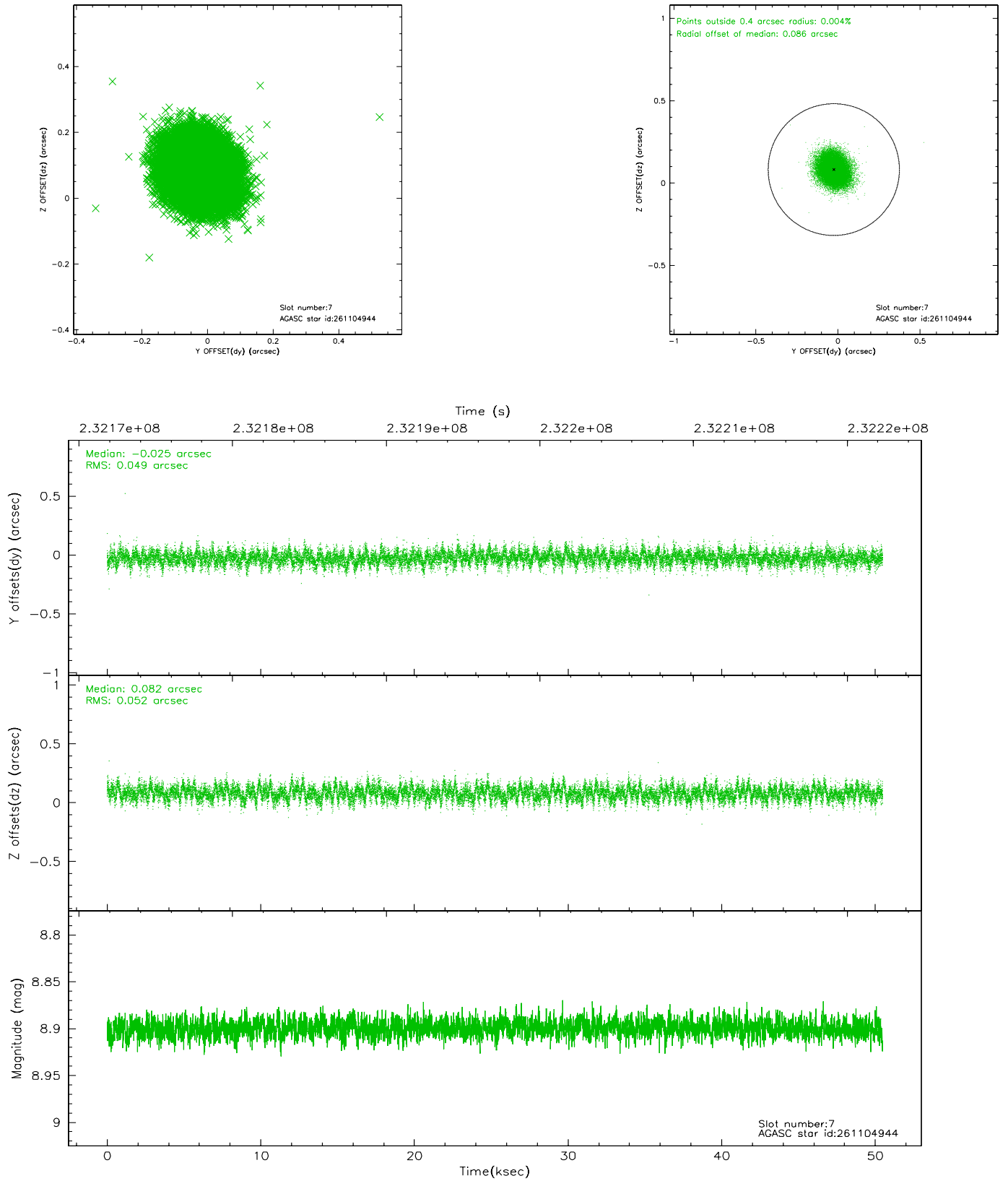
2.4.3 Slot 5



2.4.4 Slot 6

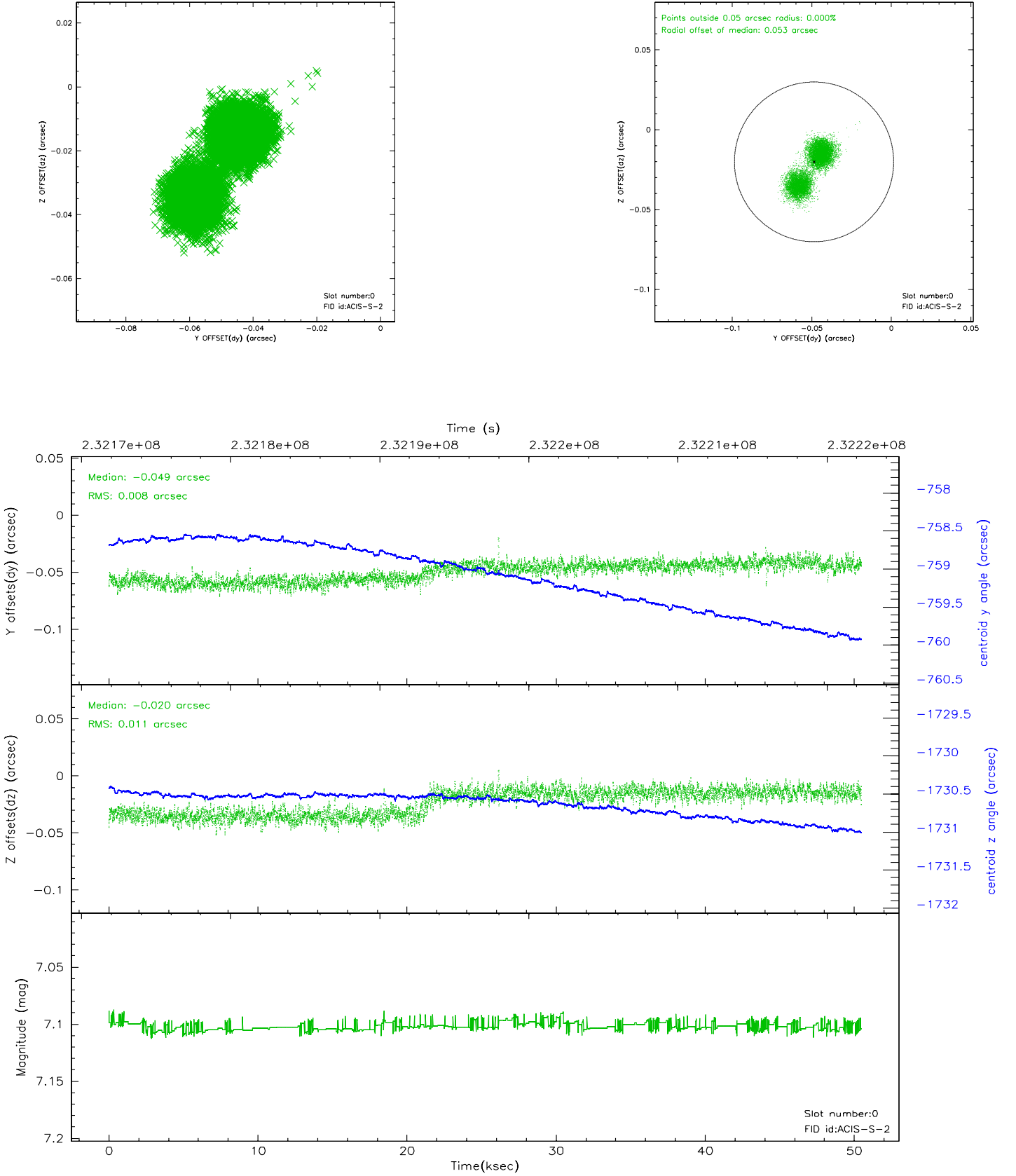


2.4.5 Slot 7

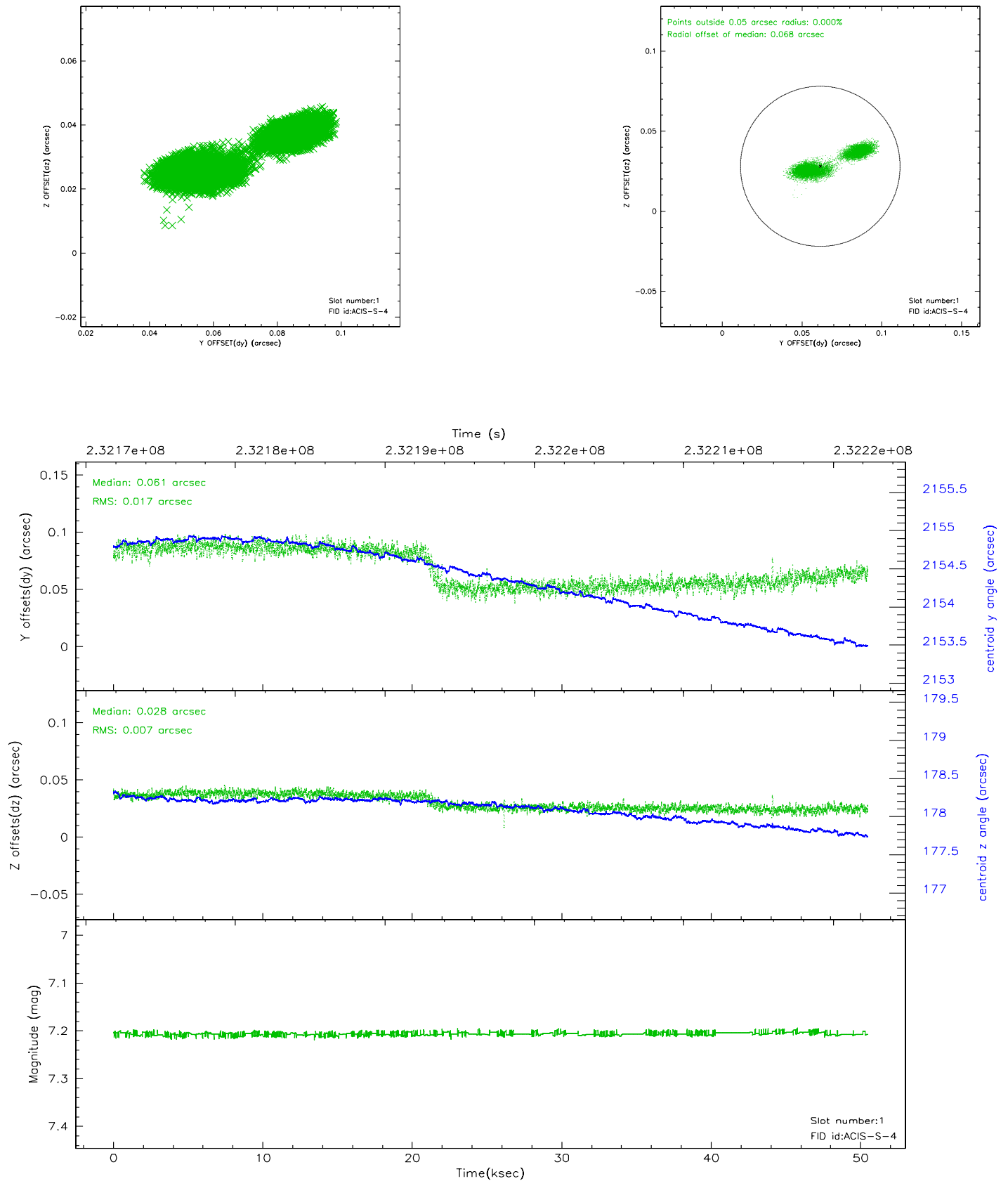


2.5 FID Slots

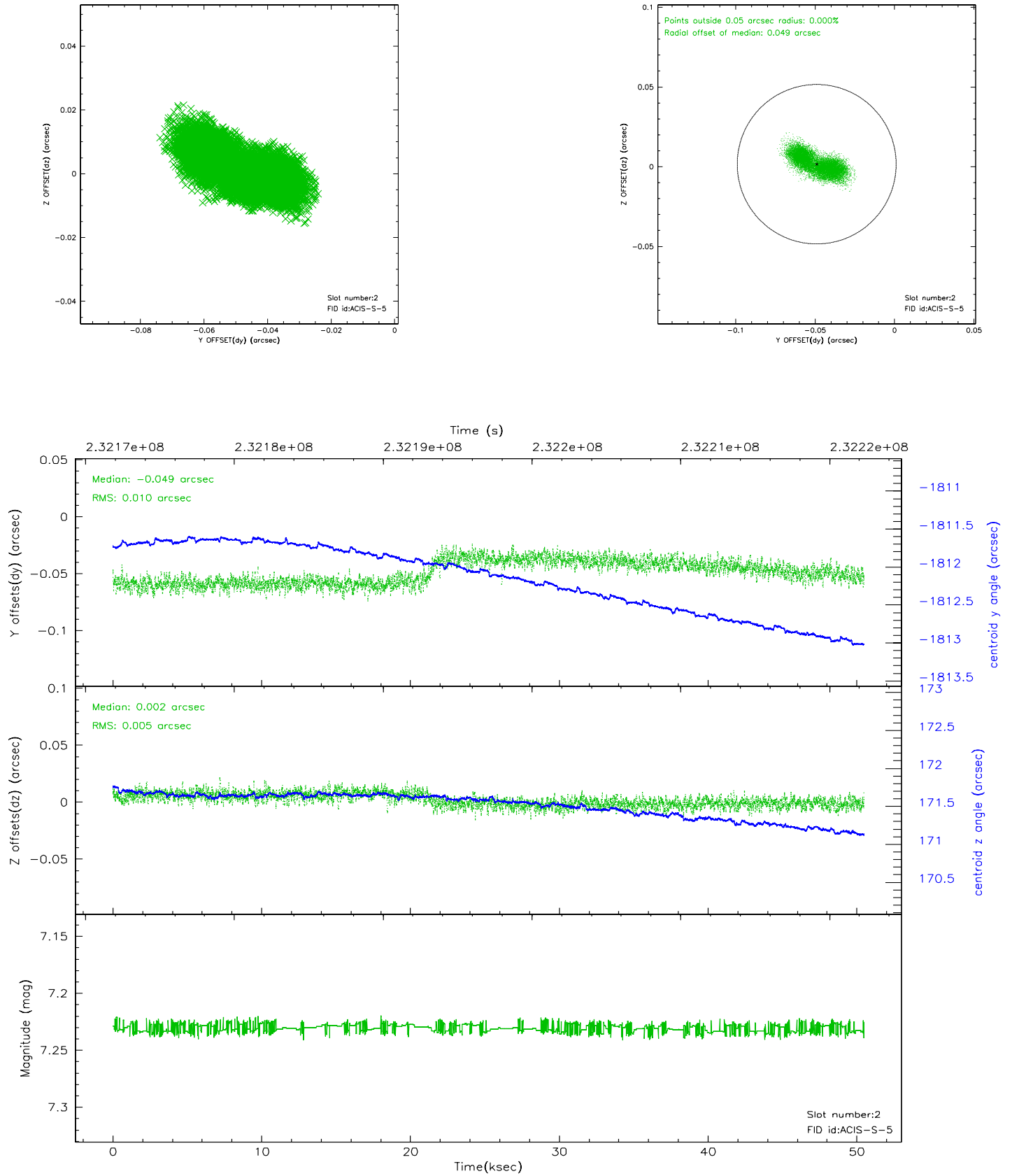
2.5.1 Slot 0



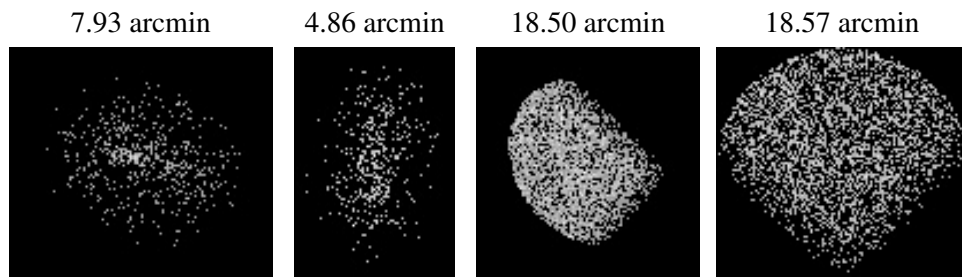
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.03.03
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	49.95839

A.2 Comments

Focal plane temperature is elevated during initial ~10 ksec of observation. Calibration may be affected.