

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2029 - L2 Version 001
Chandra X-Ray Center

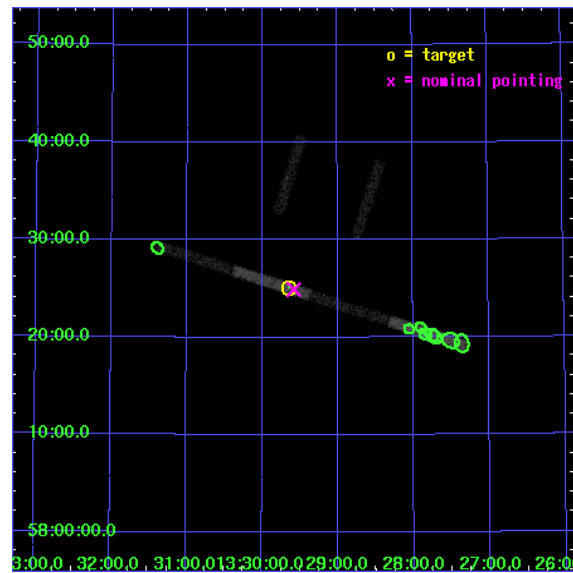
L2 Processing Date : Nov 29 2006

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1 Front

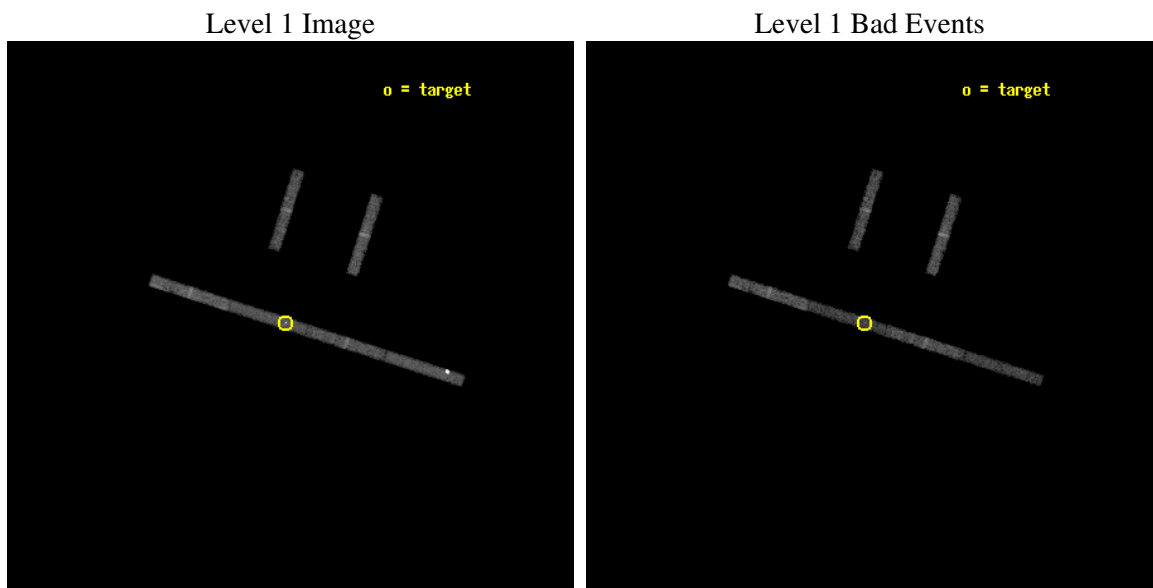
seq_num	600163
obs_id	2029
title	PROBING THE NATURE OF SUPER-LUMINOUS X-RAY SOURCES IN NEARBY GALAXIES
observer	Dr Timothy Roberts
object	NGC 5204 X-1
dtcycle	0
cycle	P
ra_targ	202.413333
dec_targ	58.416944
ra_nom	202.39491583266
dec_nom	58.415639761839
roll_nom	197.68577001768
revision	2
ontime	9547.3000406474
livetime	9018.5550421747
ontime2	9547.3000406474
ontime3	9547.3000406474
ontime5	9547.3000406474
ontime6	9547.3000406474
ontime7	9547.3000406474
ontime8	9547.3000406474
l2events	14161



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 2

Chip 3

Chip 5



Chip 6

Chip 7

Chip 8



2.1.3 Parameters

obi_num	1
ascdsver	7.6.9
caldsver	3.2.4
date	2006-11-29T13:47:31
revision	2

sched_exp_time	9400.000000
ontime	10093.57790193
ontime2	10093.57790193
ontime3	10093.57790193
ontime5	10093.57790193
ontime6	10093.57790193
ontime7	10093.57790193
ontime8	10093.57790193
l1events	89302

2.1.4 Events

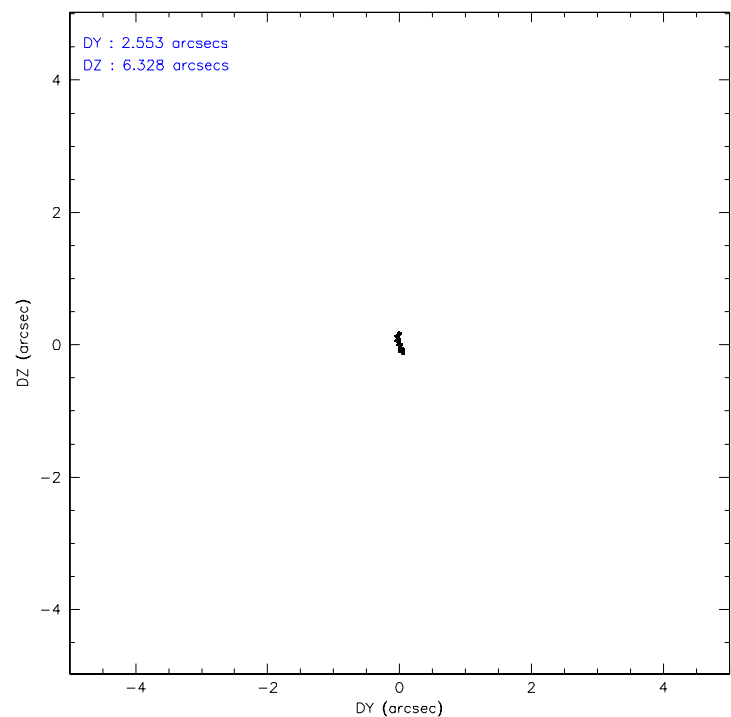
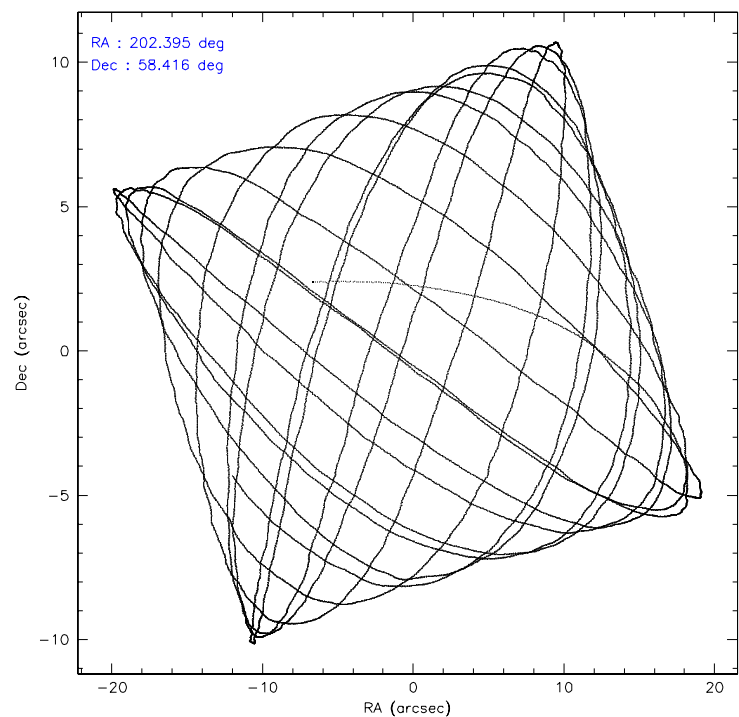
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	12821	11066	24478	11682	13022	16233
rejected events	11675	9981	7793	10525	7084	13364
rejected %	91%	90%	31%	90%	54%	82%

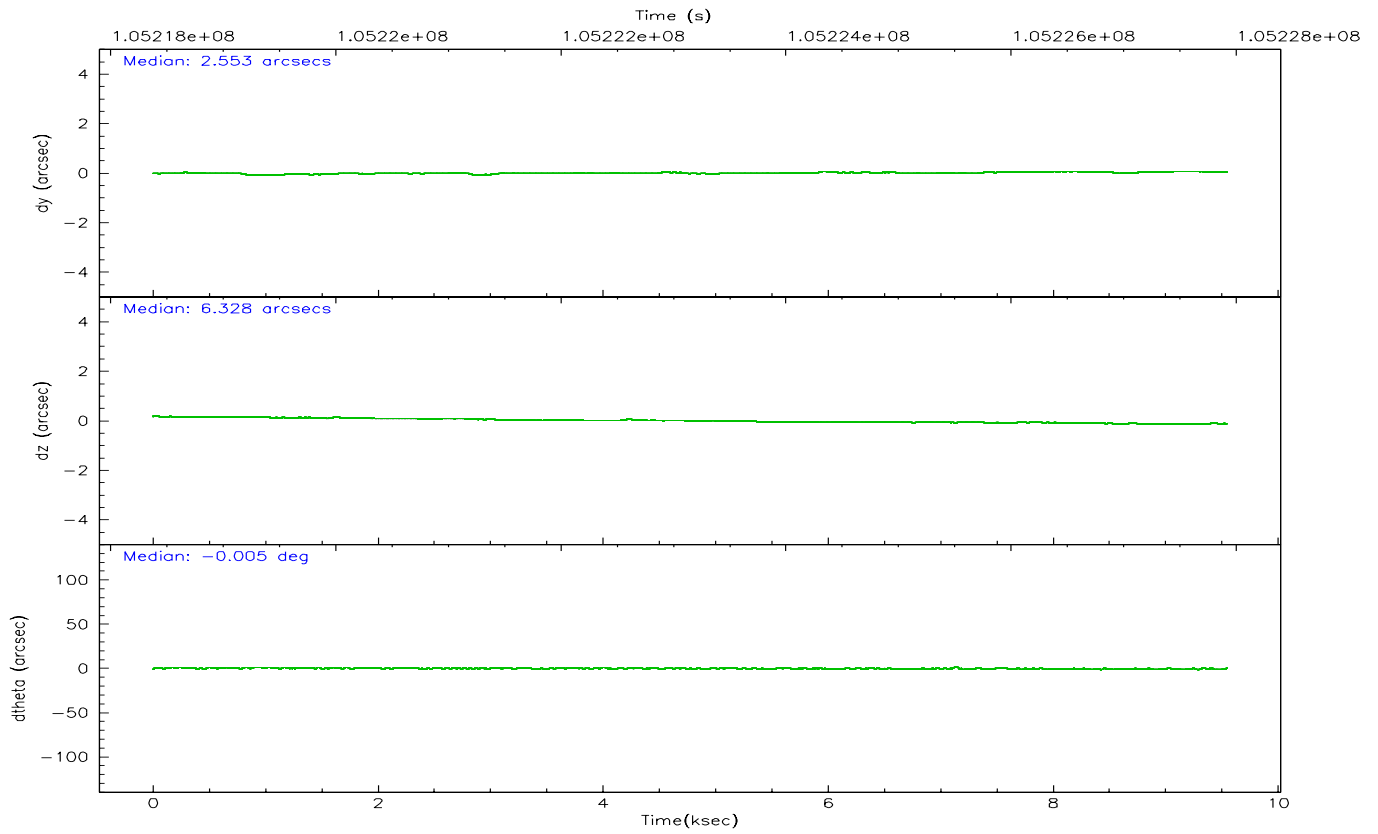
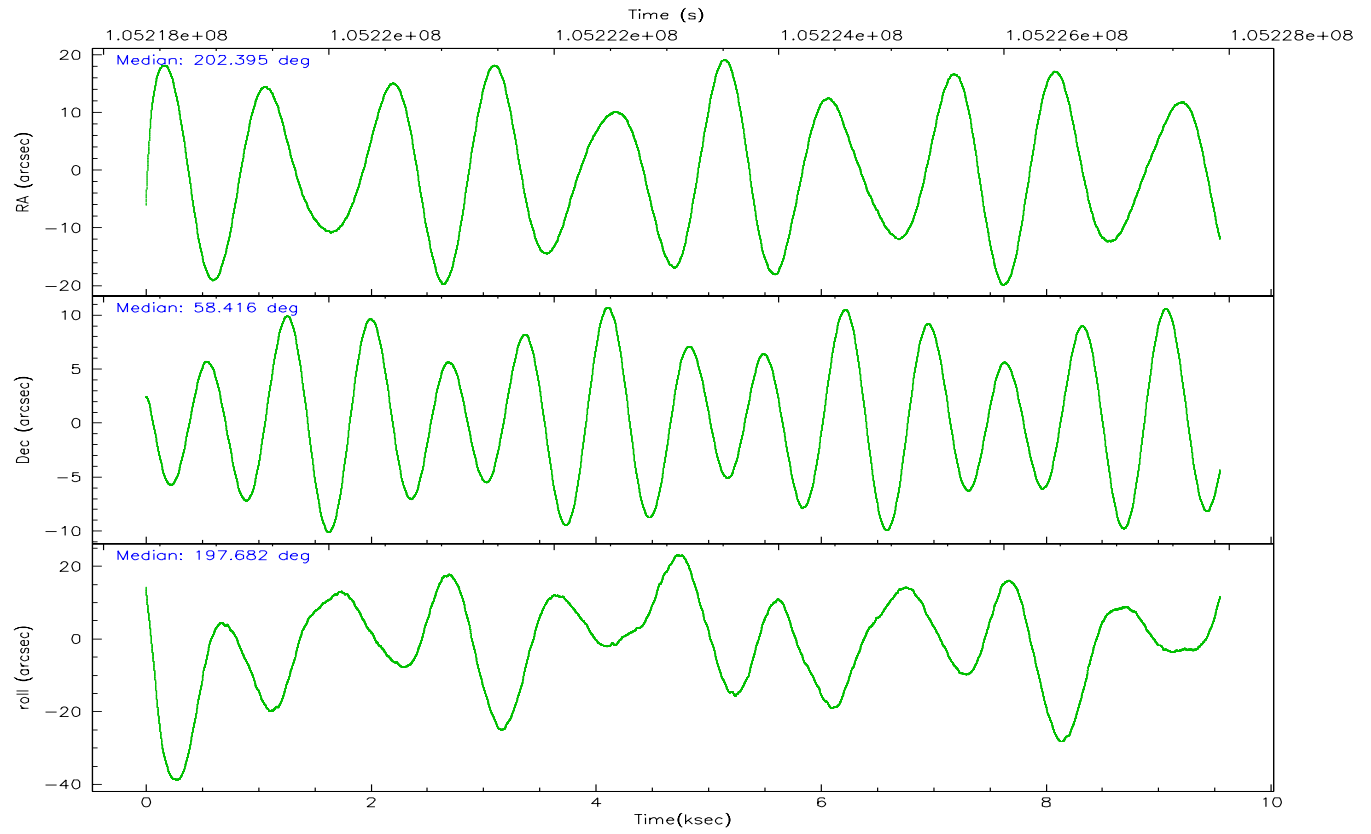
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	402	423	11391	408	966	650
	3%	3%	46%	3%	7%	4%
grade 1 events	2	3	14	0	14	8
	0%	0%	0%	0%	0%	0%
grade 2 events	222	149	2851	200	1508	617
	1%	1%	11%	1%	11%	3%
grade 3 events	183	206	259	182	625	354
	1%	1%	1%	1%	4%	2%
grade 4 events	179	182	350	227	576	279
	1%	1%	1%	1%	4%	1%
grade 5 events	319	301	664	344	855	420
	2%	2%	2%	2%	6%	2%
grade 6 events	226	187	2811	199	2586	1071
	1%	1%	11%	1%	19%	6%
grade 7 events	11288	9615	6138	10122	5892	12834
	88%	86%	25%	86%	45%	79%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	202.429518	202.3949158326649	Subarray requested	1/8	1/8
Pointing Dec	58.436051	58.41563976183942	Subarray start row	0	449
Pointing Roll	197.499631	197.6857700176833	Subarray row count	1024	128
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001444936568705701	Primary exposure time	0.000000	0.7
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	105218522.184000	105217465.74501			
Observation start date	2001-05-02T19:20:58	2001-05-02T19:04:25			
Observation end time	105227922.184000	105228522.93294			
Observation end date	2001-05-02T21:57:38	2001-05-02T22:08:42			
Read mode	TIMED	TIMED			

2.3 Aspect



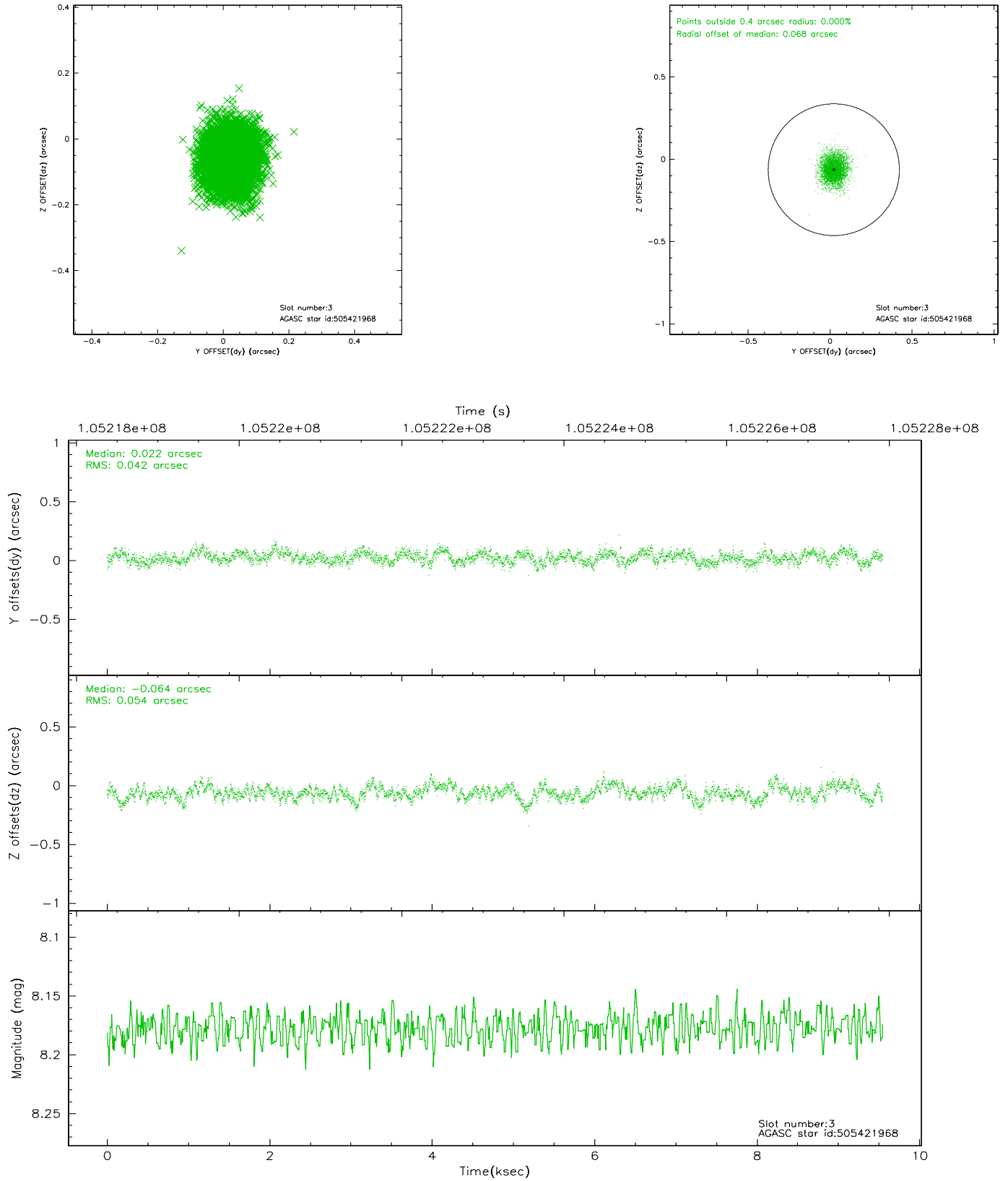


Slot Statistics

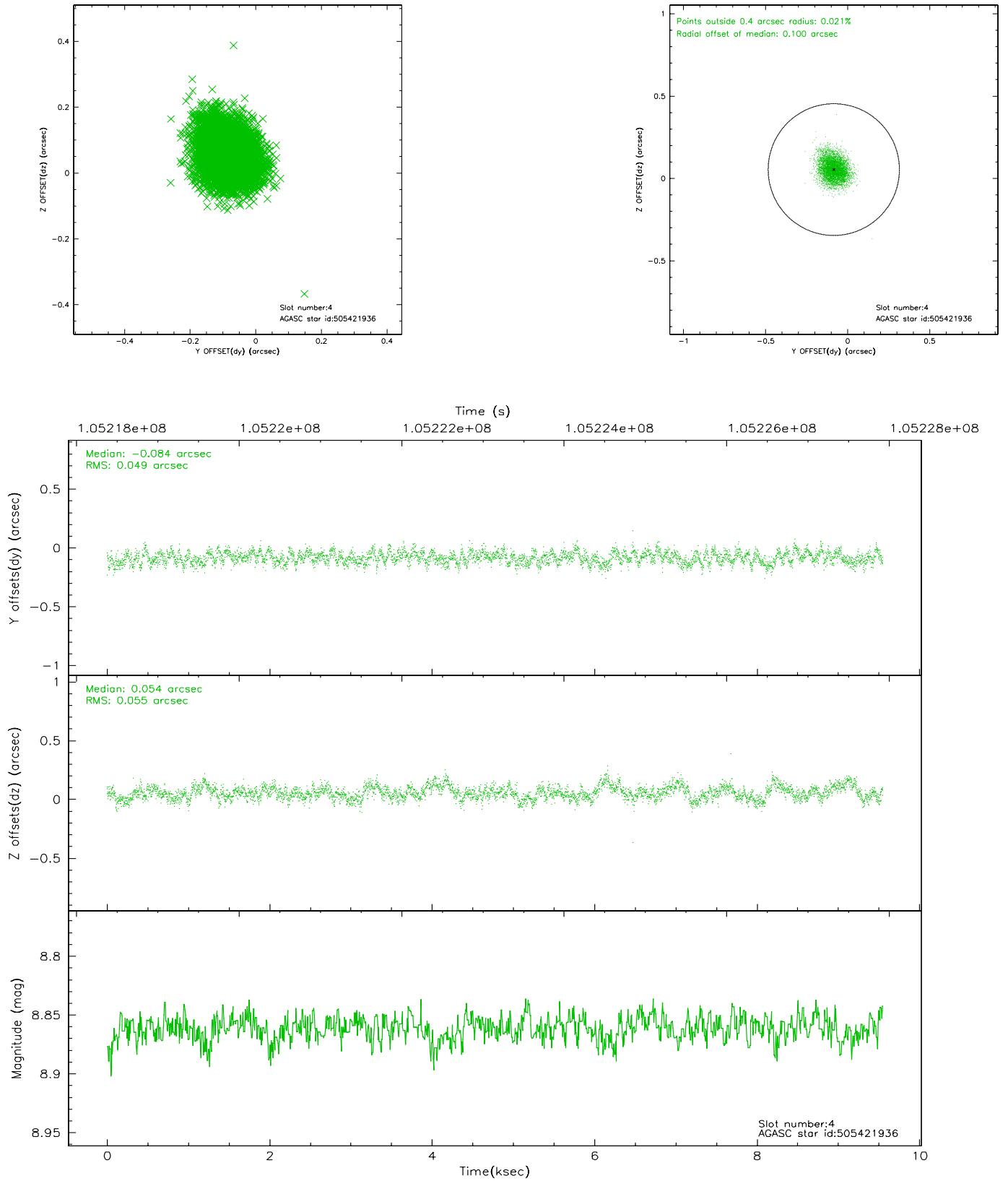
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	2329	-0.020	0.020	0.007	0.010	0.000000	0.000000	-755.18	-1727.48
1	FID	ACIS-S-4	7.20	2328	-0.072	0.004	0.006	0.010	0.000000	0.000000	2157.76	180.45
2	FID	ACIS-S-5	7.24	2327	0.061	-0.015	0.006	0.010	0.000000	0.000000	-1807.24	174.69
3	GUIDE	505421968	8.18	4658	0.022	-0.064	0.072	0.118	202.022601	58.209270	980.65	544.14
4	GUIDE	505421936	8.86	4655	-0.084	0.054	0.078	0.126	201.854843	57.887820	1640.79	1547.24
5	GUIDE	505418080	9.06	4652	-0.024	-0.016	0.095	0.149	201.533017	58.898788	1086.00	-2100.51
6	GUIDE	505422504	10.08	4648	0.076	-0.099	0.198	0.313	202.156173	59.054723	-187.14	-2278.05
7	GUIDE	505414952	9.99	4652	0.001	0.121	0.133	0.246	203.527988	58.651569	-2200.56	-138.11

2.4 Star Slots

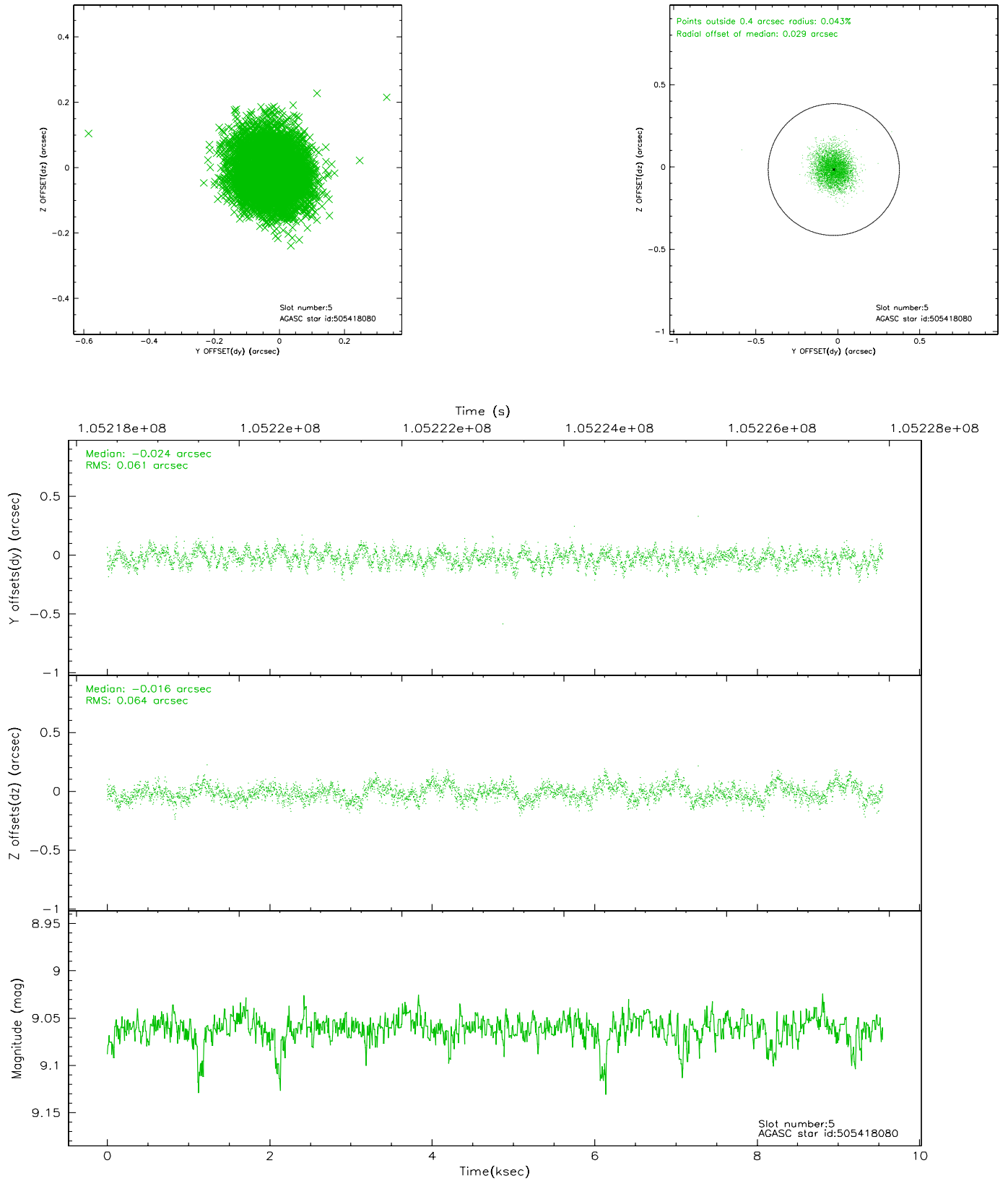
2.4.1 Slot 3



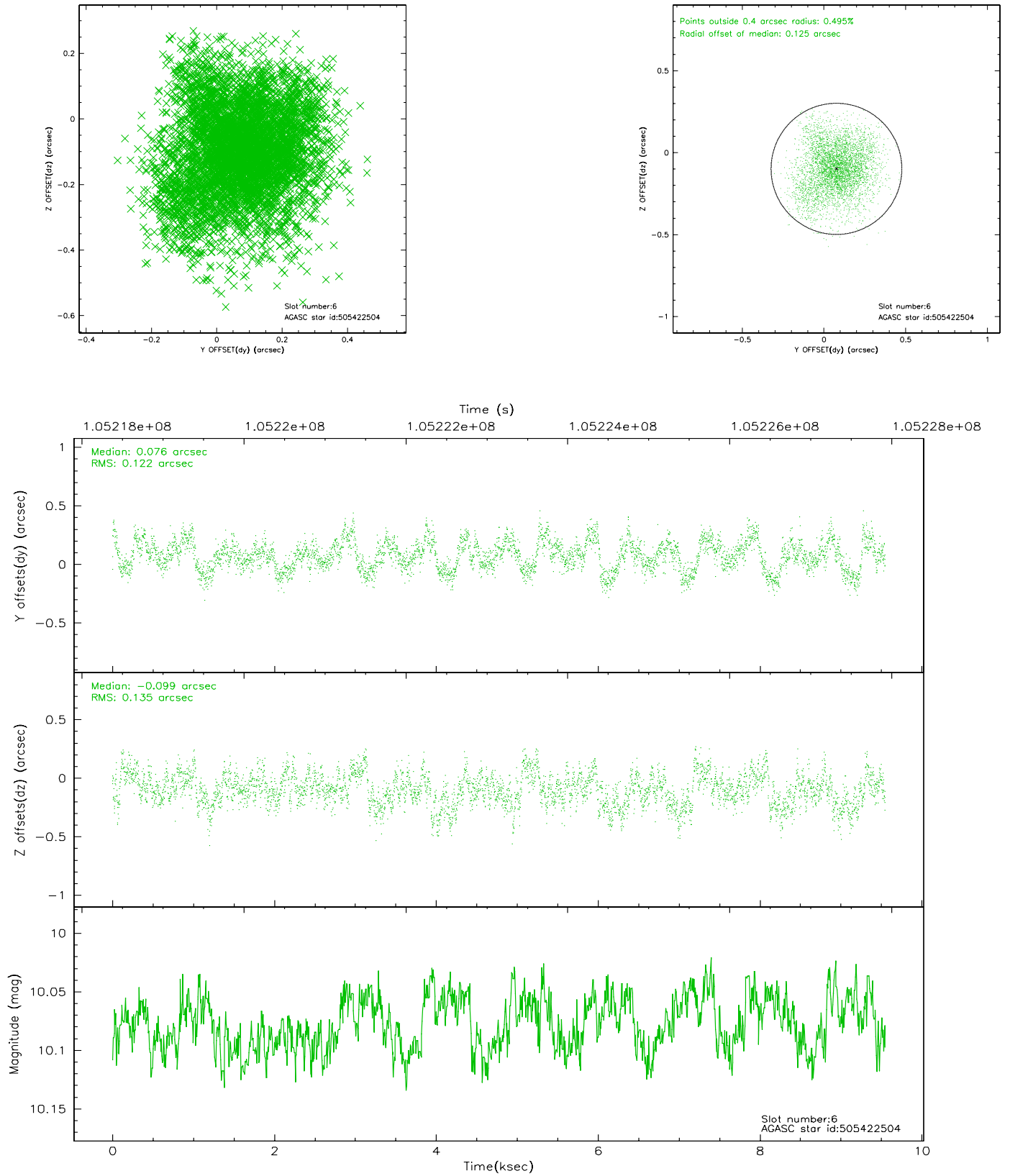
2.4.2 Slot 4



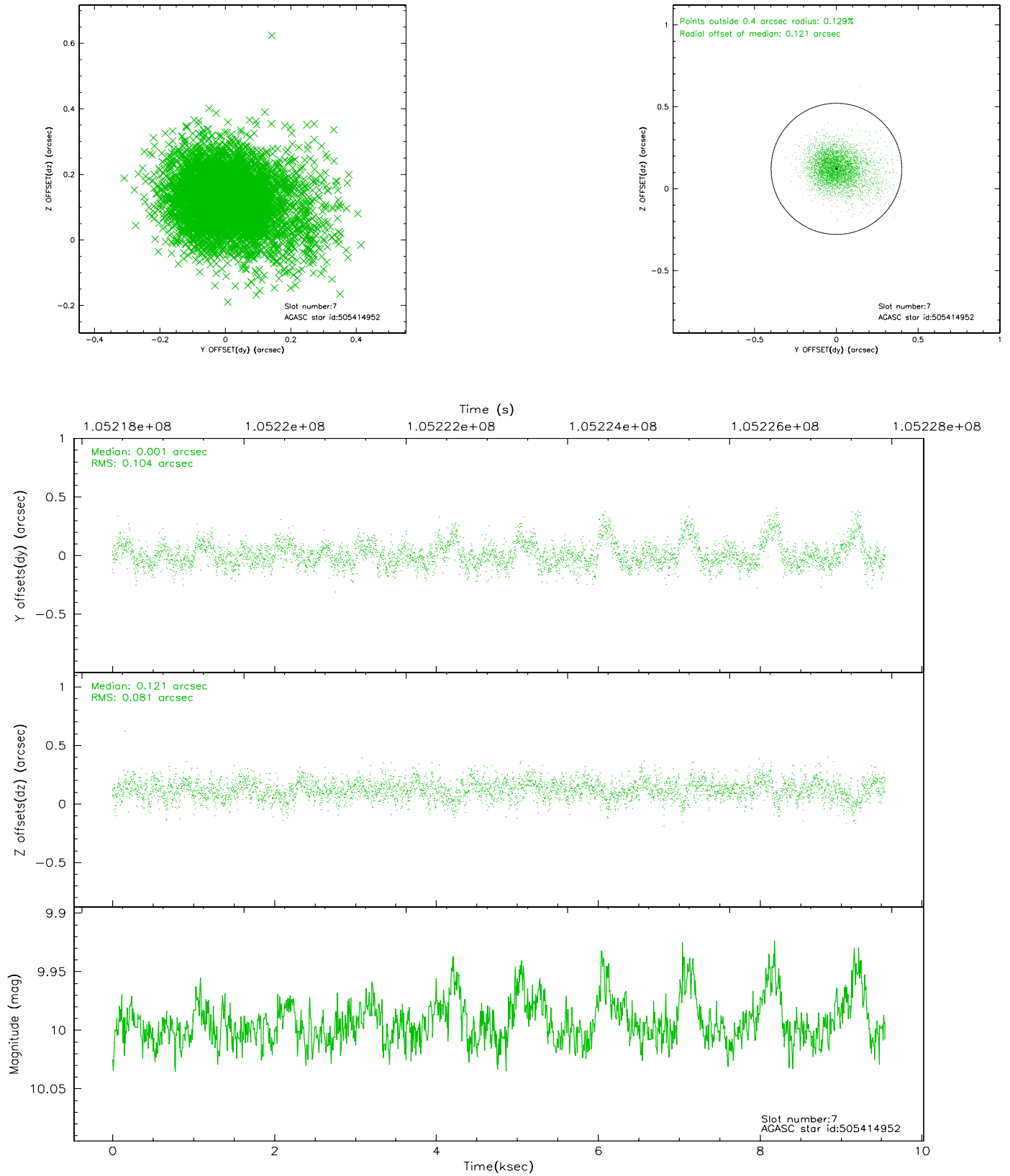
2.4.3 Slot 5



2.4.4 Slot 6

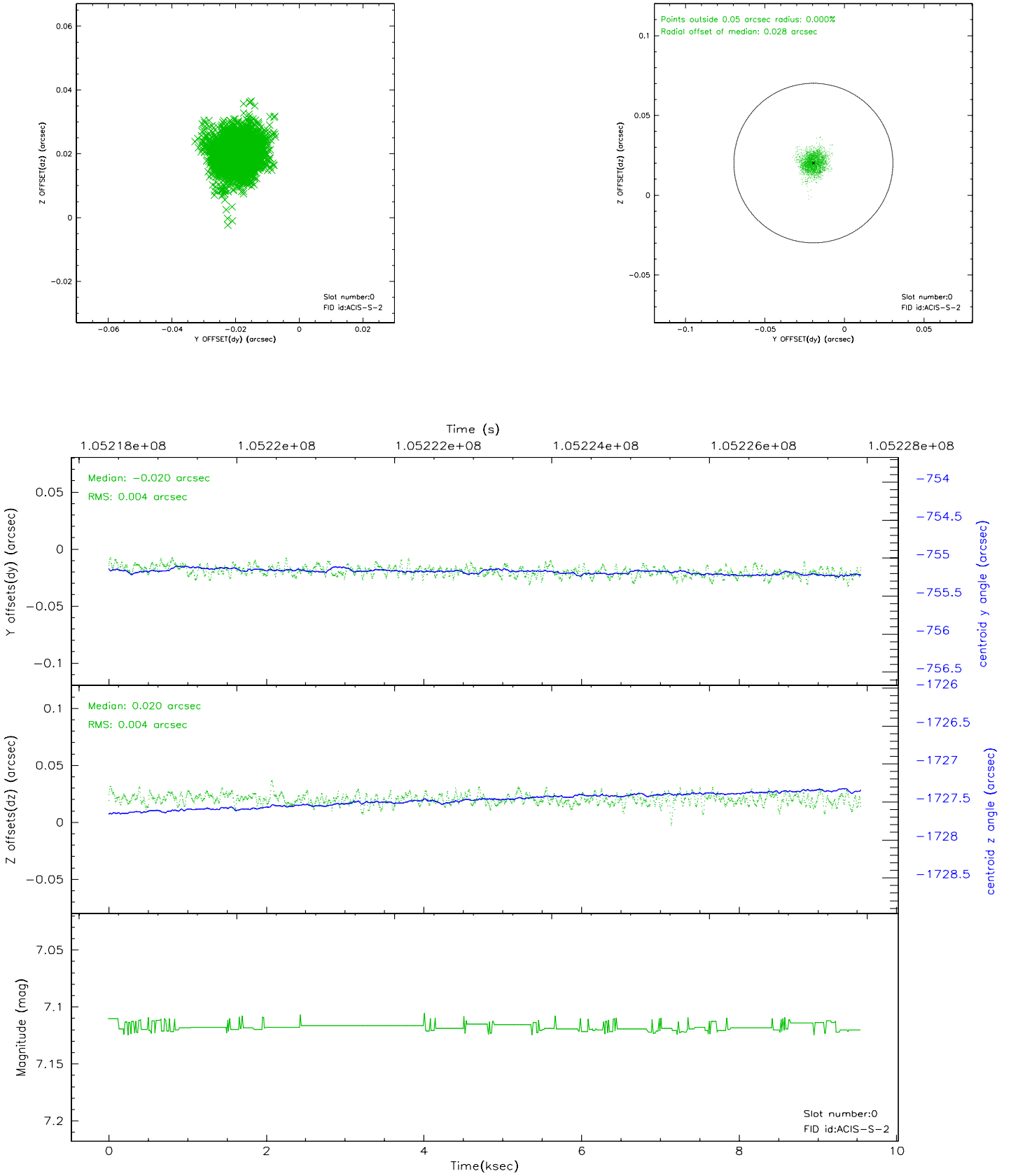


2.4.5 Slot 7

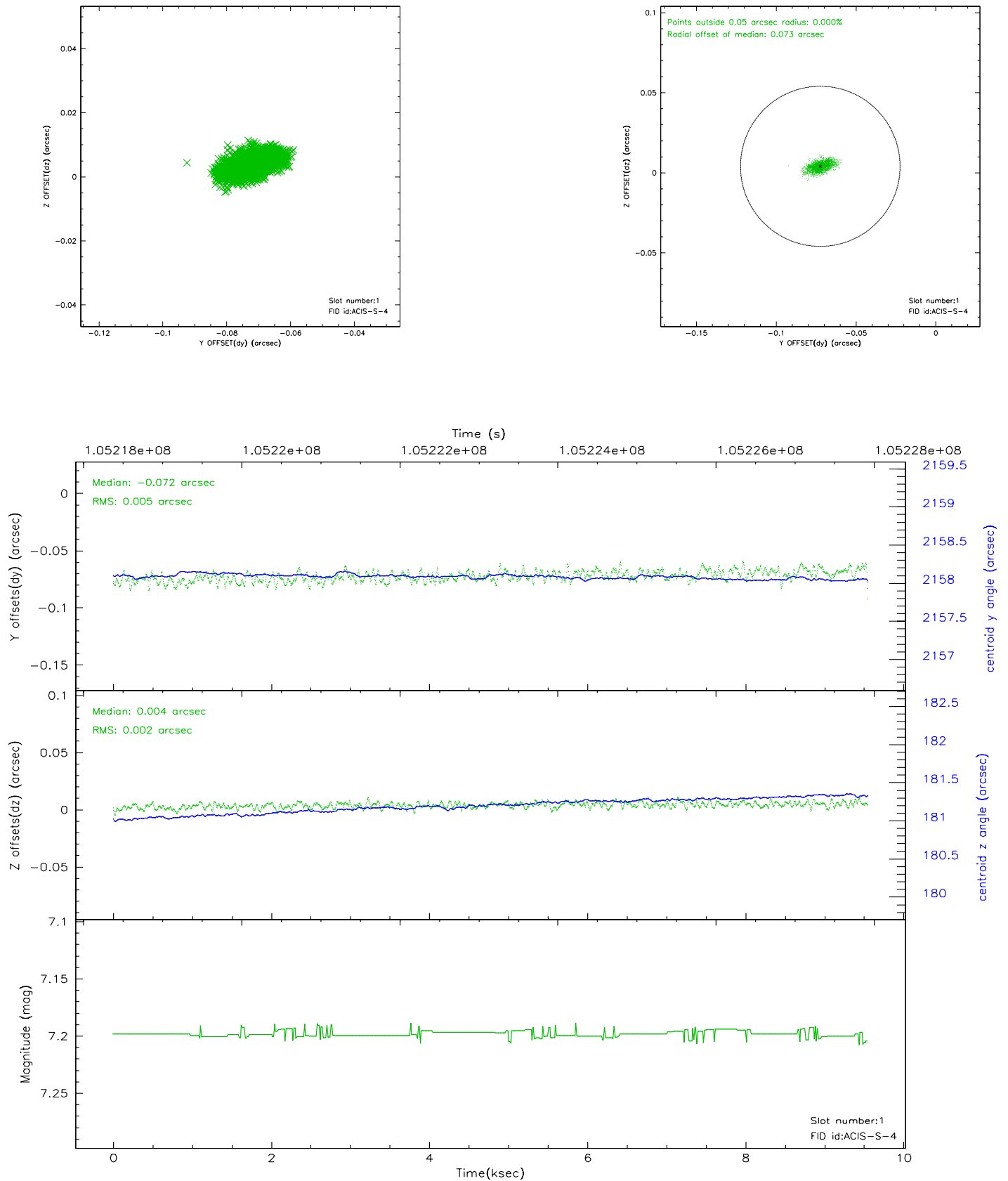


2.5 FID Slots

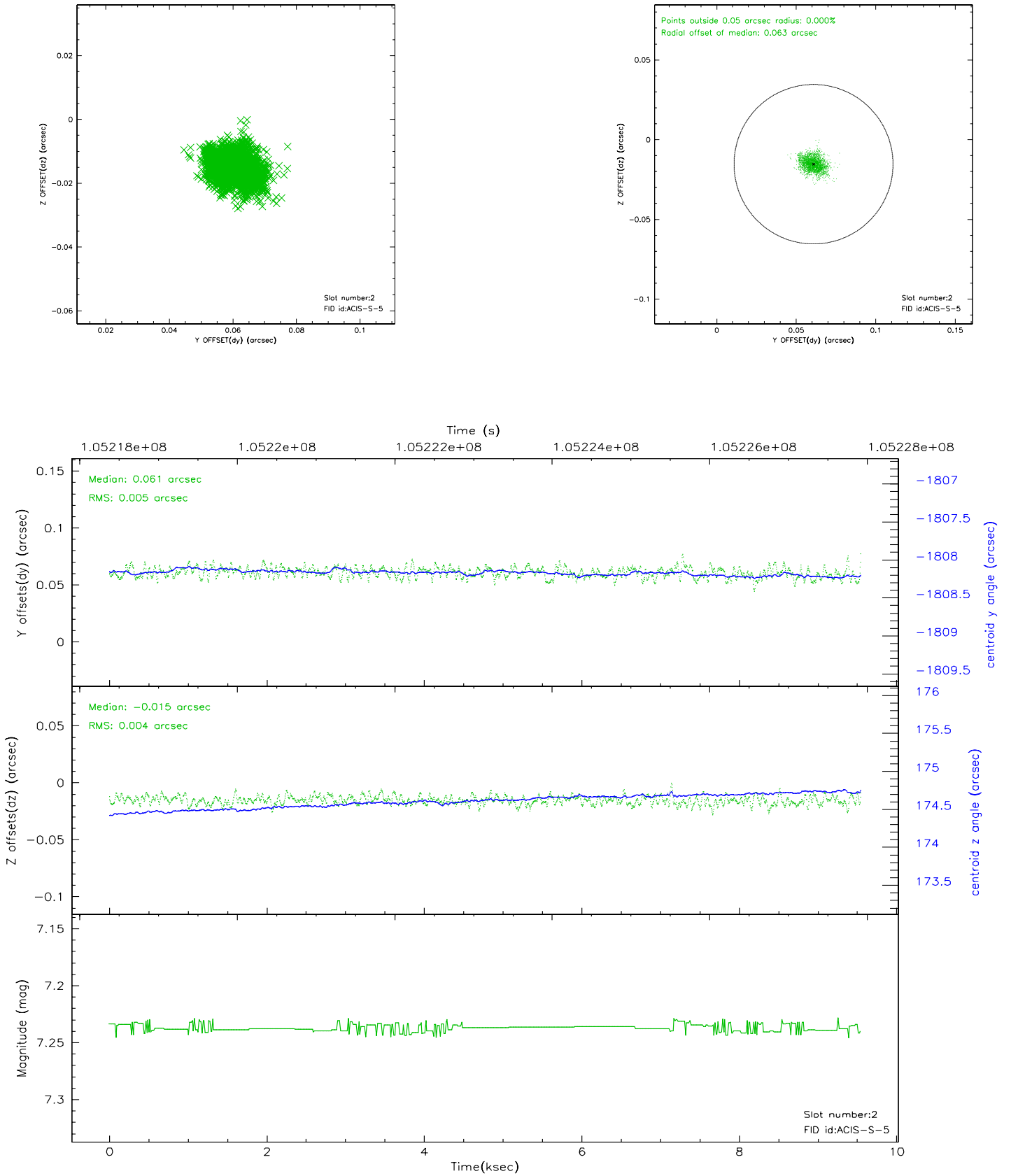
2.5.1 Slot 0



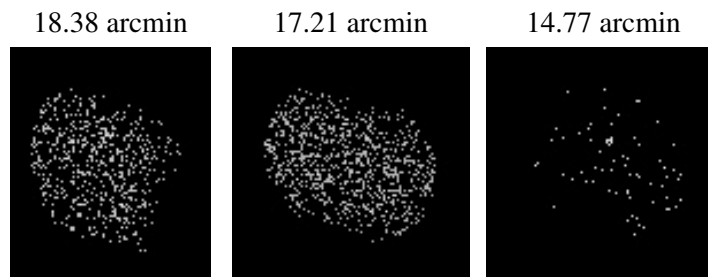
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.11.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	9.547

A.2 Comments

Monitor constraint met.