

V&V Reference Report

L2 ASCDS Version : 7.6.8.1

Observation 2686 - L2 Version 001
Chandra X-Ray Center

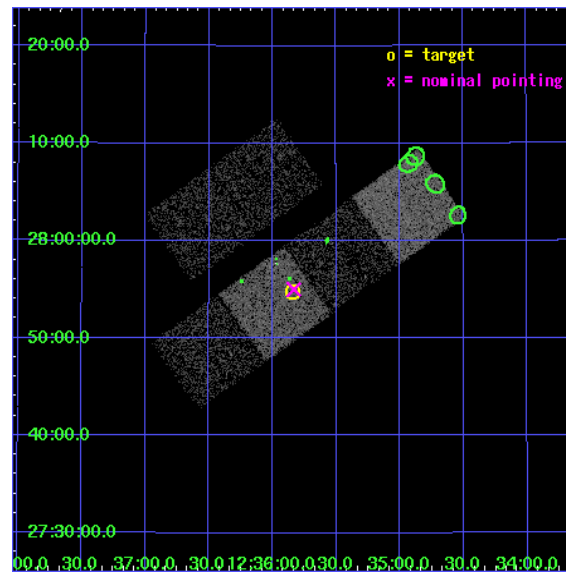
L2 Processing Date : Sep 6 2006

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1 Front

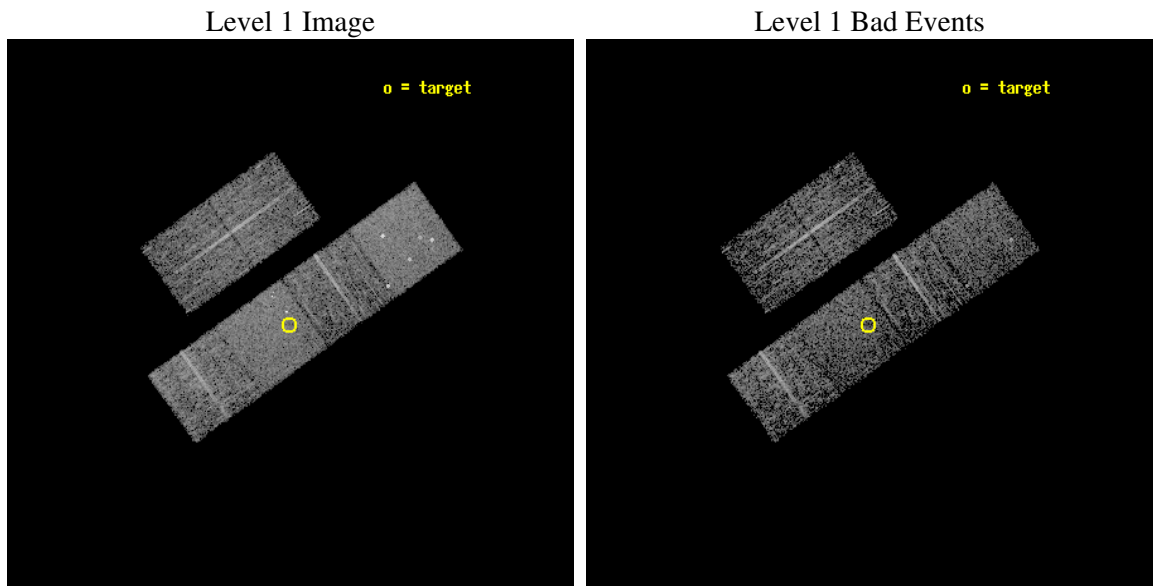
seq_num	400166
obs_id	2686
title	ULTRALUMINOUS X-RAY SOURCES AND INTERMEDIATE MASS BLACK HOLES
observer	DR. Joel Bregman
object	NGC 4559
dtcycle	0
cycle	P
ra_targ	188.960833
dec_targ	27.913056
ra_nom	188.95813588071
dec_nom	27.916850928295
roll_nom	144.37741037179
revision	2
ontime	3001.6000027955
livetime	2963.5919362135
ontime2	3001.6000027955
ontime3	3001.6000027955
ontime5	3001.6000027955
ontime6	3001.6000027955
ontime7	3001.6000027955
ontime8	3001.6000027955
l2events	30016



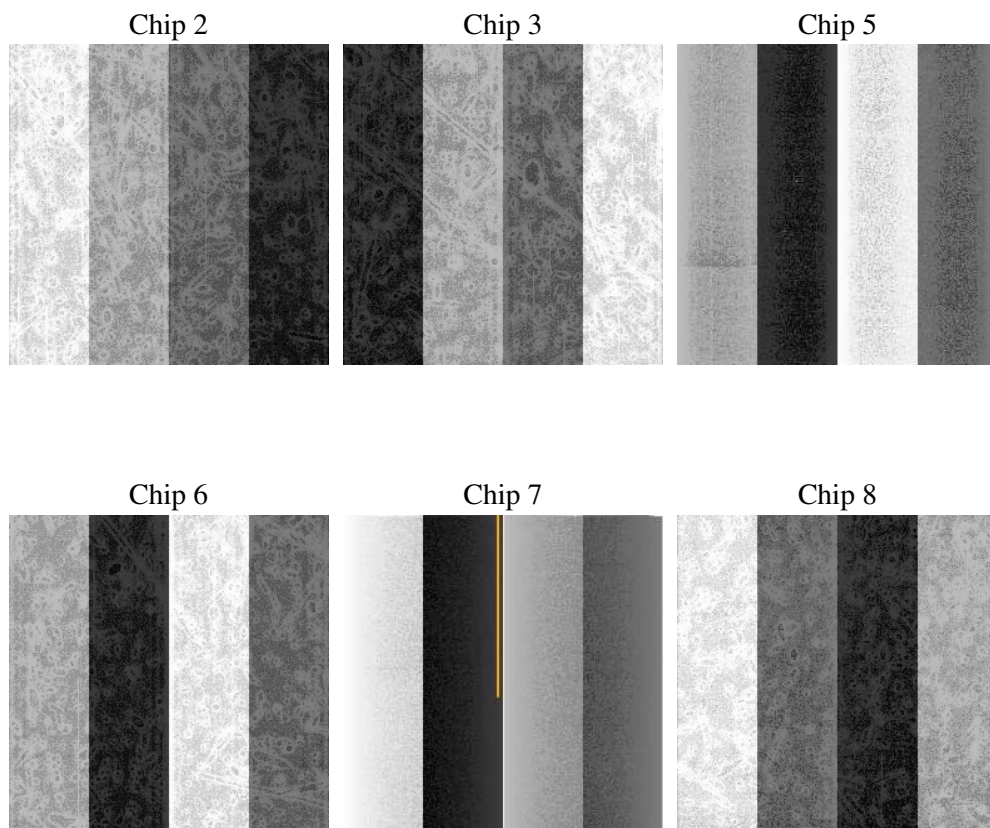
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2
ascdsver	7.6.8.1
caldsver	3.2.3
date	2006-09-06T18:20:13
revision	2

sched_exp_time	3000.000000
ontime	3004.4119318724
ontime2	3004.4119318724
ontime3	3004.4119318724
ontime5	3004.4119318724
ontime6	3004.4119318724
ontime7	3004.4119318724
ontime8	3004.4119318724
l1events	141315

2.1.4 Events

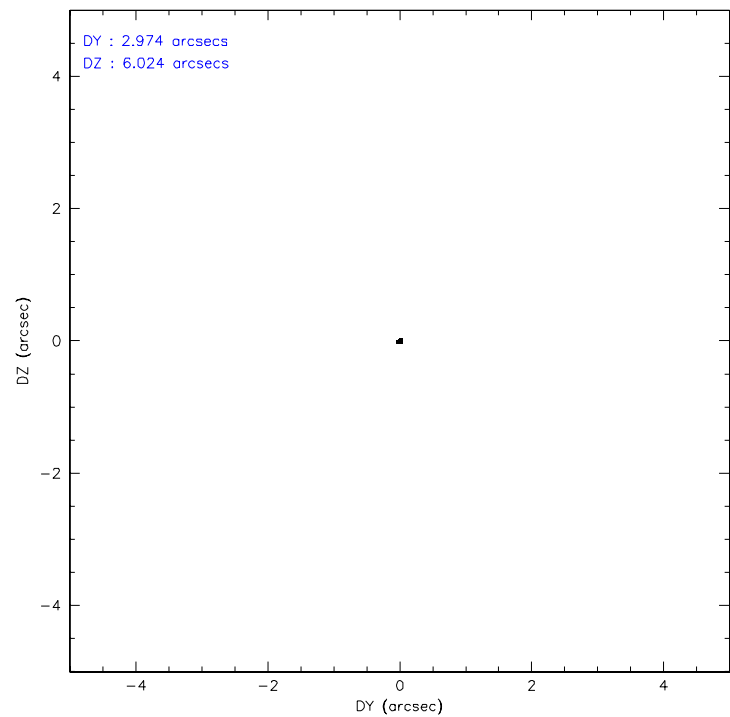
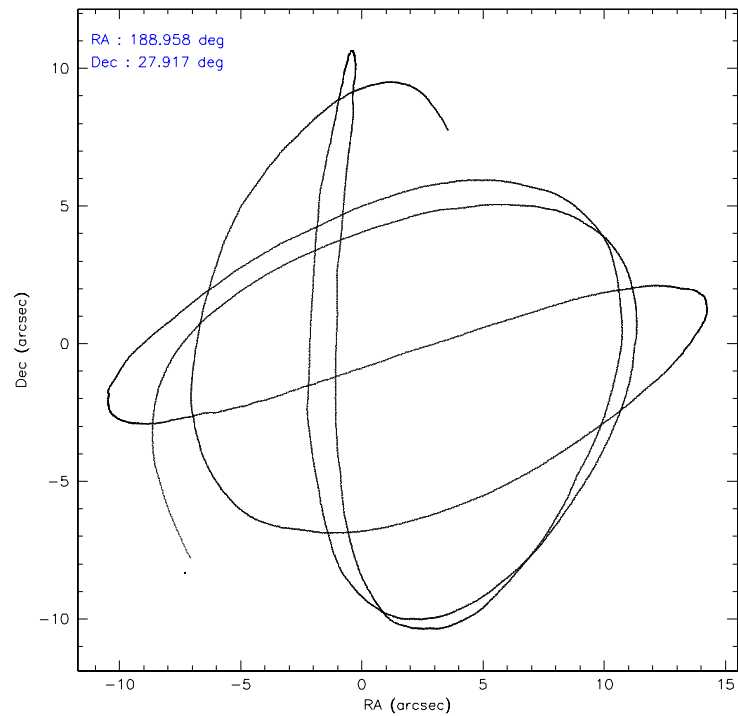
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	21475	18999	30105	19945	26097	24694
rejected events	19121	16794	16354	17592	15884	19889
rejected %	89%	88%	54%	88%	60%	80%

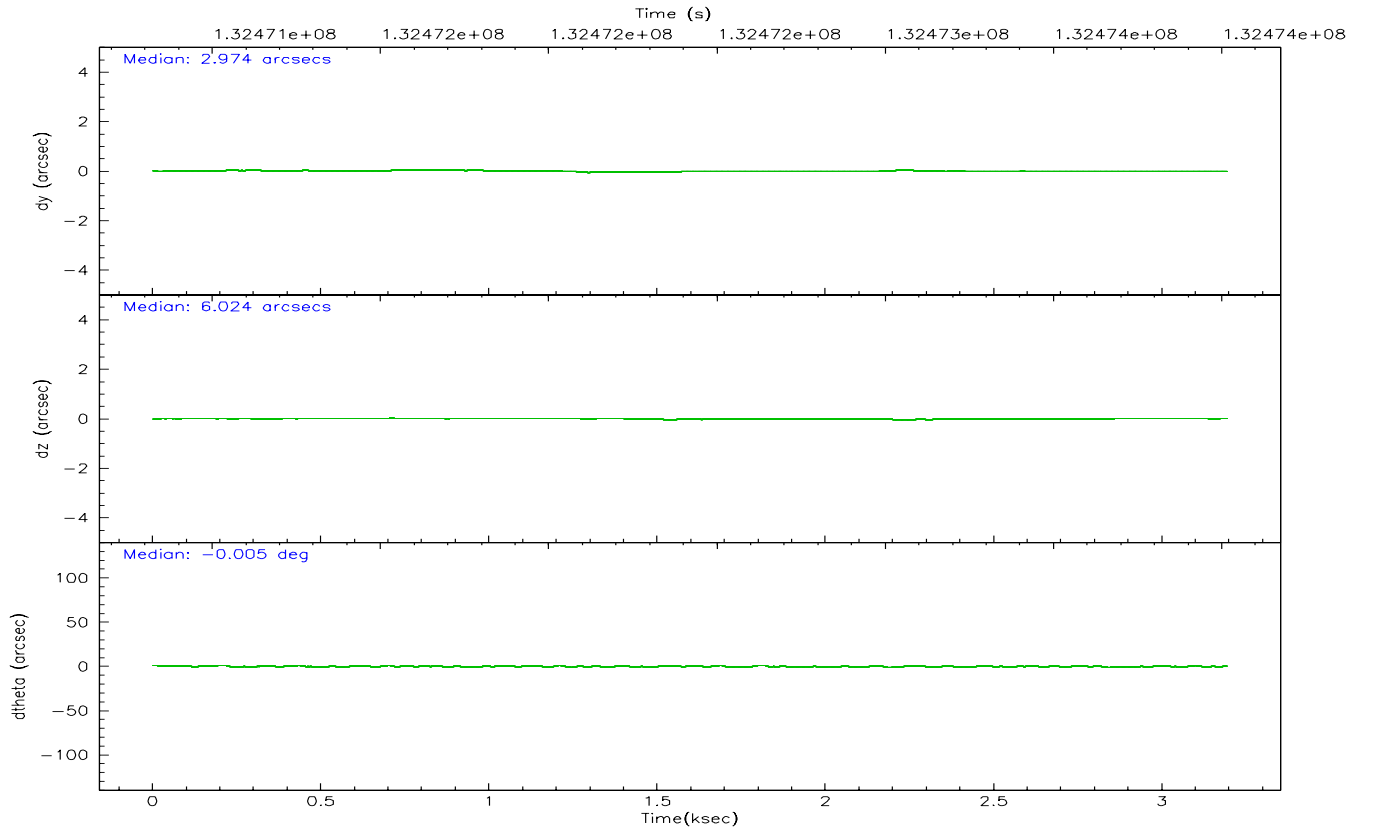
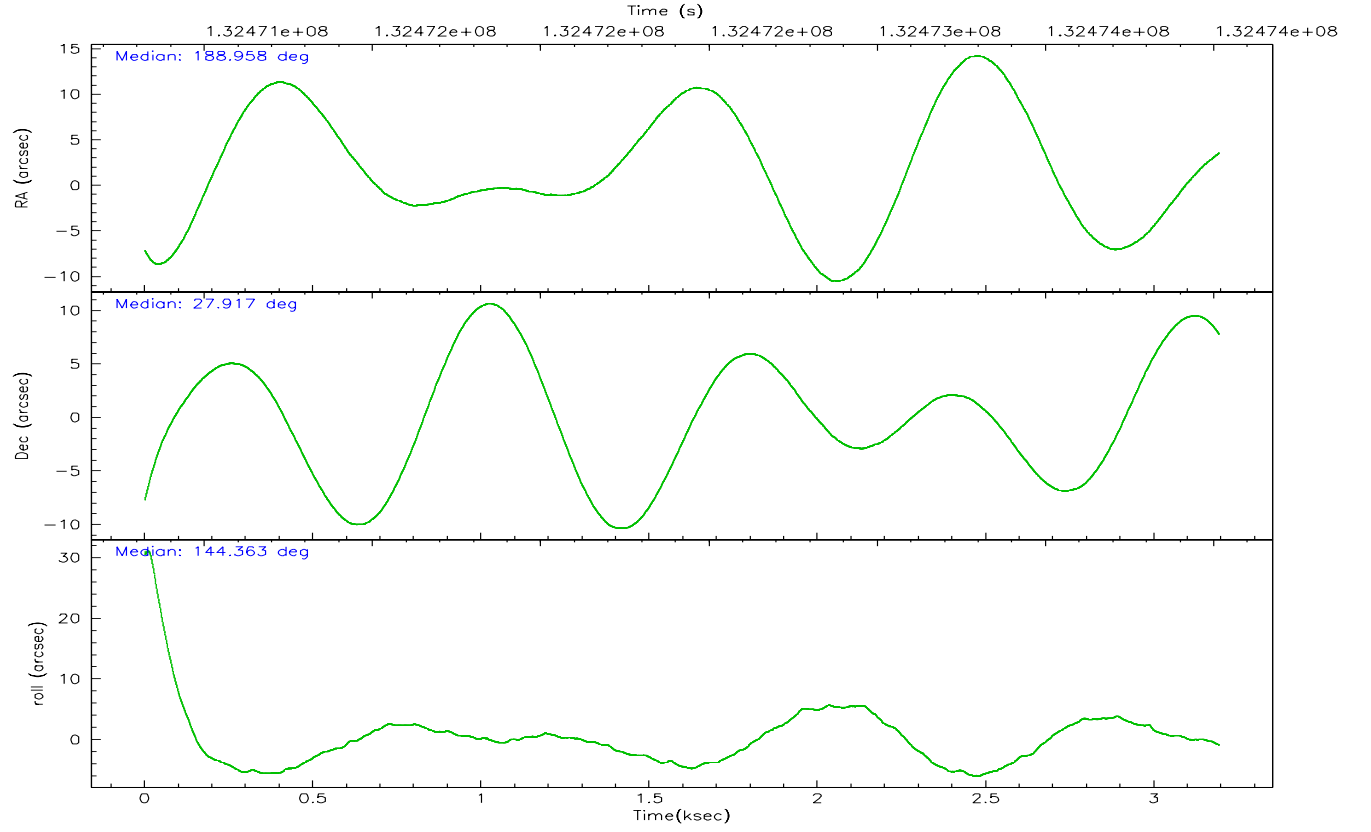
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	915	922	1822	966	704	1453
	4%	4%	6%	4%	2%	5%
grade 1 events	8	13	92	9	22	28
	0%	0%	0%	0%	0%	0%
grade 2 events	559	468	4133	477	2524	1060
	2%	2%	13%	2%	9%	4%
grade 3 events	229	228	306	231	532	488
	1%	1%	1%	1%	2%	1%
grade 4 events	228	200	257	222	529	439
	1%	1%	0%	1%	2%	1%
grade 5 events	707	782	1491	923	1687	1095
	3%	4%	4%	4%	6%	4%
grade 6 events	425	391	7249	458	5932	1368
	1%	2%	24%	2%	22%	5%
grade 7 events	18404	15995	14755	16659	14167	18763
	85%	84%	49%	83%	54%	75%

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	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	188.988944	188.9581358807137	Alternating exposures requested	N	N
Pointing Dec	27.914465	27.91685092829473	Primary exposure time	0.000000	3.2
Pointing Roll	144.206264	144.3774103717888			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	132471019.184000	132470039.72599			
Observation start date	2002-03-14T05:29:15	2002-03-14T05:13:59			
Observation end time	132474019.184000	132474859.78868			
Observation end date	2002-03-14T06:19:15	2002-03-14T06:34:19			
Read mode	TIMED	TIMED			

2.3 Aspect



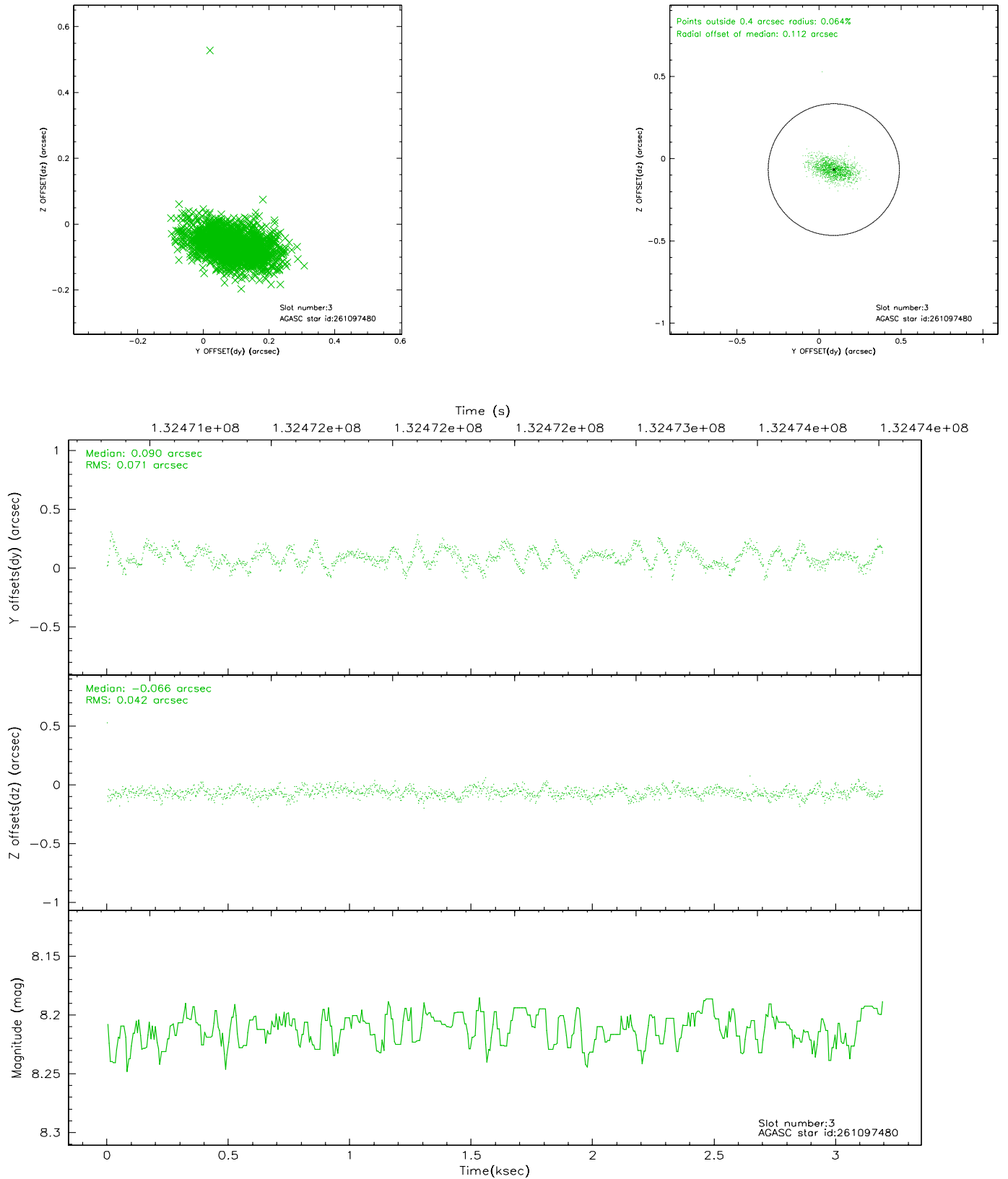


Slot Statistics

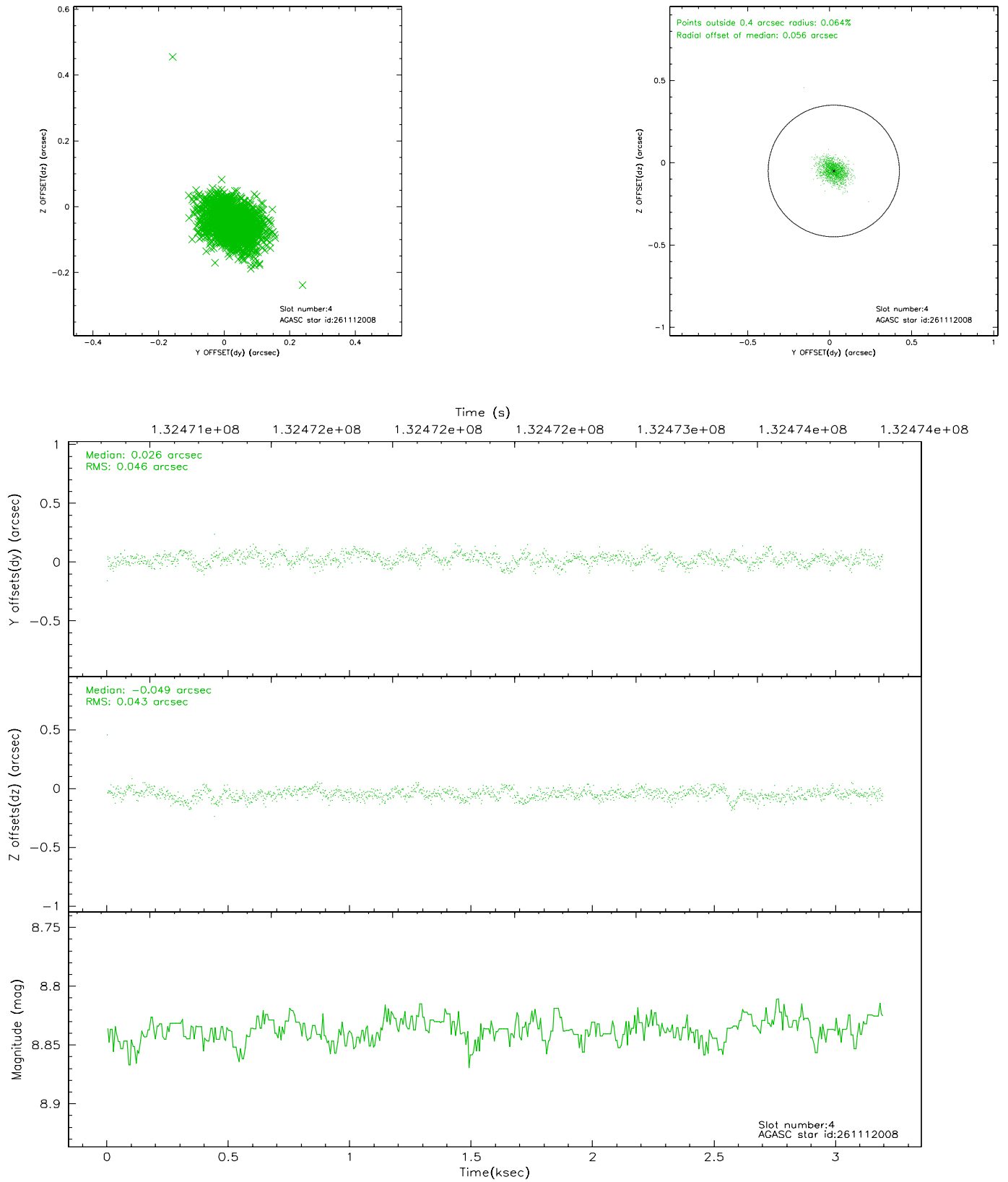
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	778	-0.023	0.031	0.007	0.011	0.000000	0.000000	-755.60	-1727.10
1	FID	ACIS-S-4	7.21	779	-0.056	0.003	0.005	0.010	0.000000	0.000000	2156.70	179.37
2	FID	ACIS-S-5	7.24	779	0.048	-0.025	0.006	0.012	0.000000	0.000000	-1805.85	175.19
3	GUIDE	261097480	8.21	1559	0.090	-0.066	0.084	0.149	188.866651	28.837468	2257.15	-2468.84
4	GUIDE	261112008	8.84	1559	0.026	-0.049	0.066	0.109	188.403981	28.081490	1862.86	594.73
5	GUIDE	261097656	9.13	1557	0.010	-0.042	0.092	0.144	188.726234	27.455627	-283.92	1830.80
6	GUIDE	261101336	9.31	1559	-0.022	0.076	0.080	0.129	188.594392	28.320780	1870.78	-454.43
7	GUIDE	261105480	9.37	1557	-0.103	0.083	0.084	0.138	188.978850	28.694918	1671.07	-2259.63

2.4 Star Slots

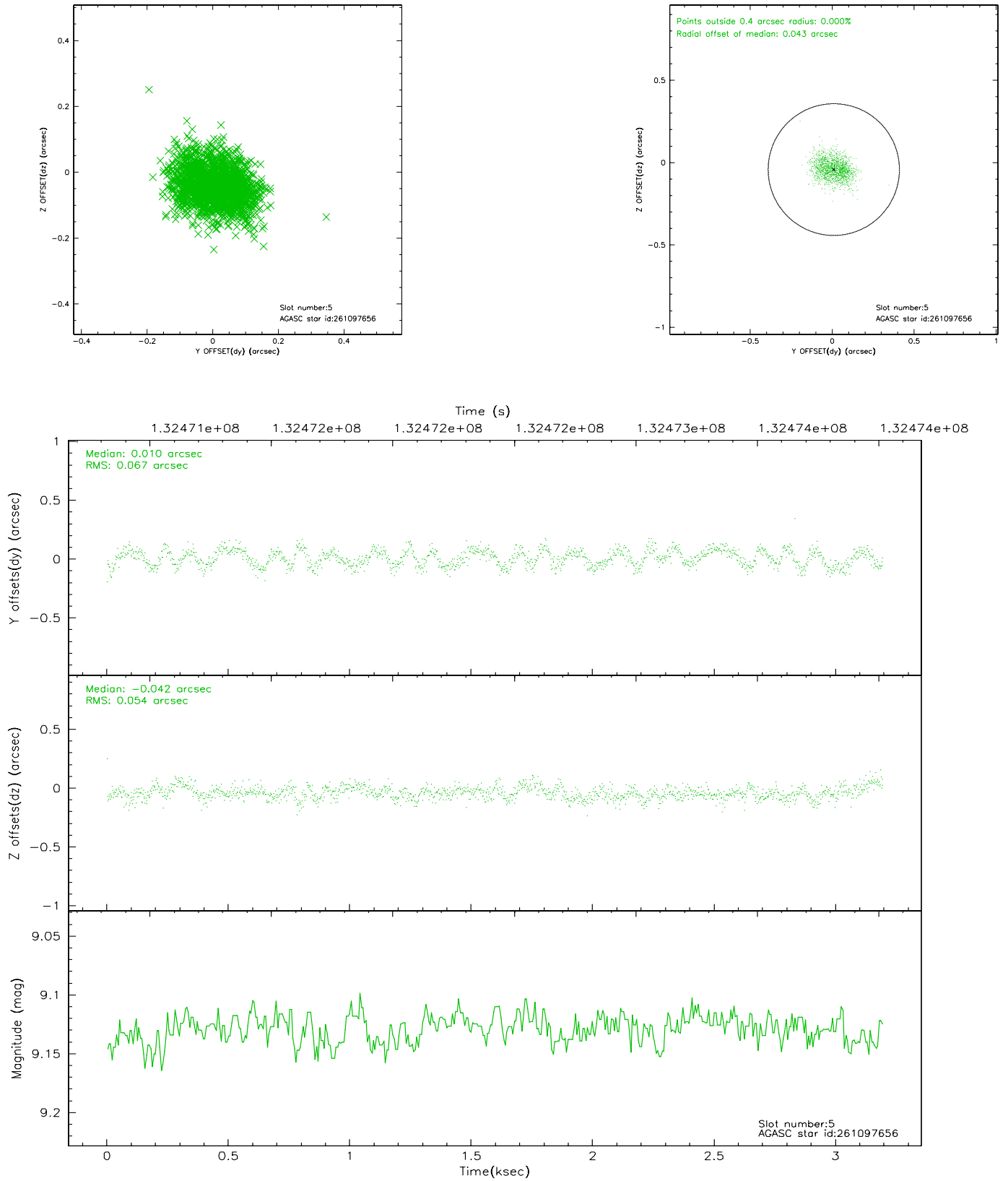
2.4.1 Slot 3



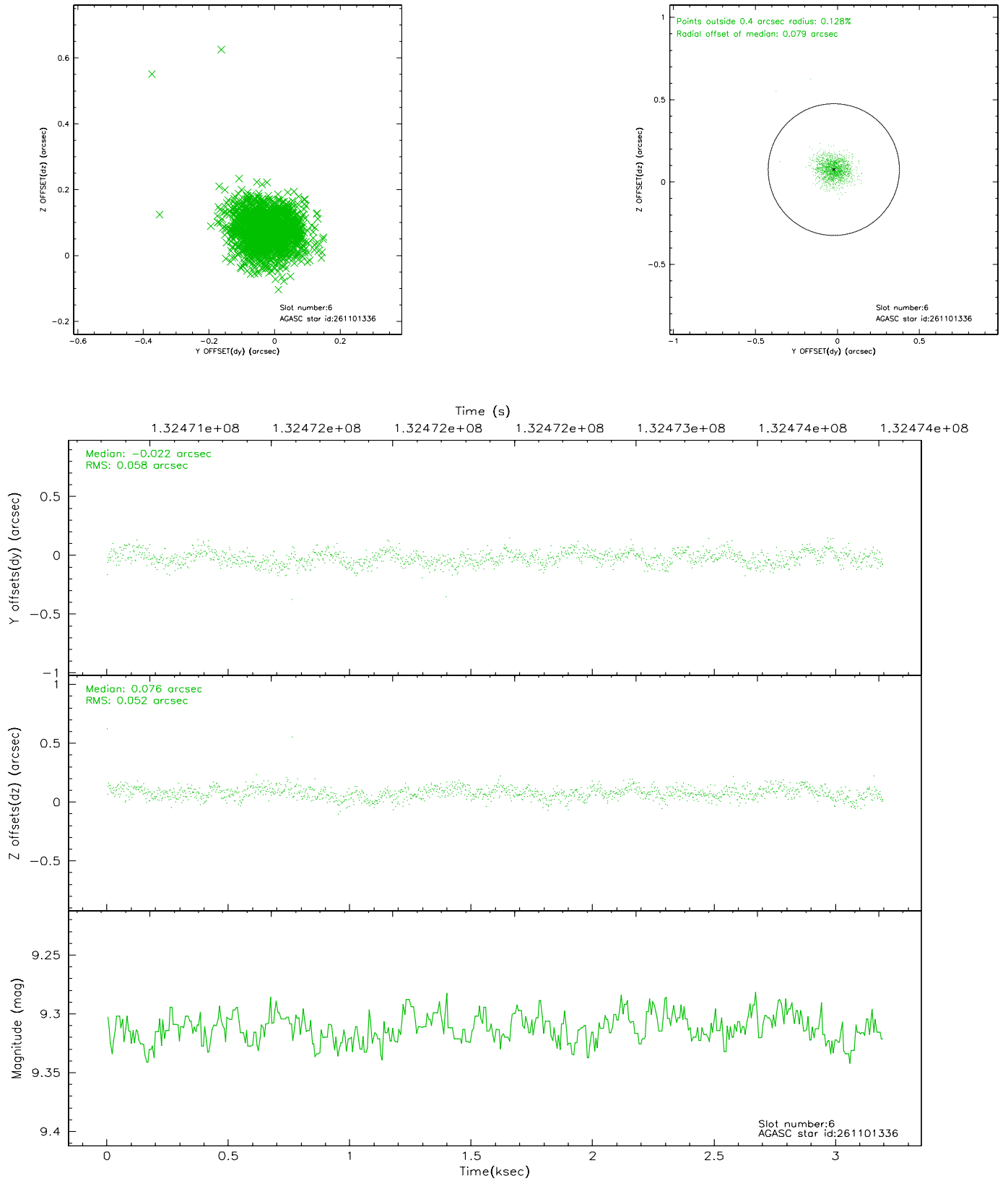
2.4.2 Slot 4



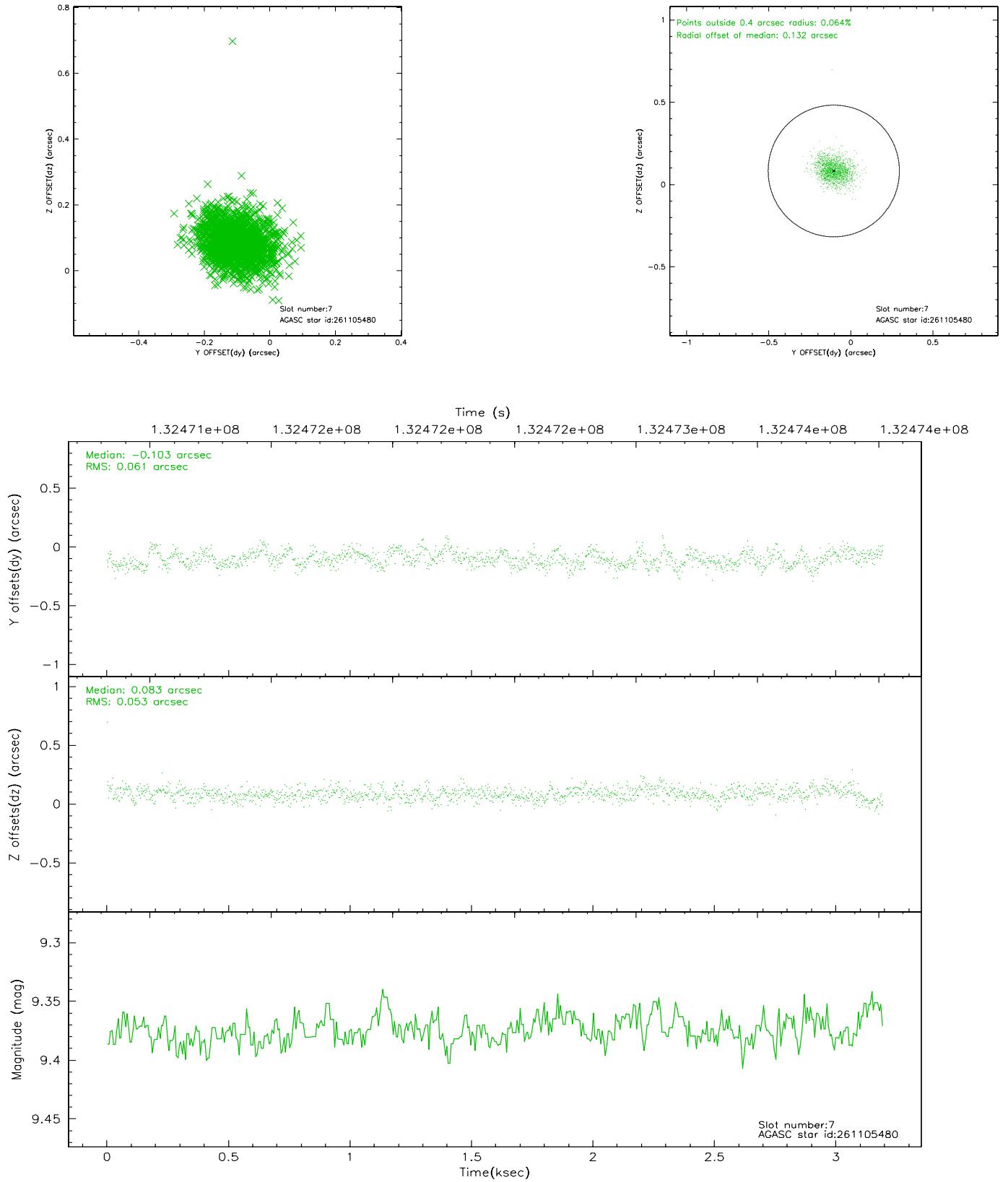
2.4.3 Slot 5



2.4.4 Slot 6

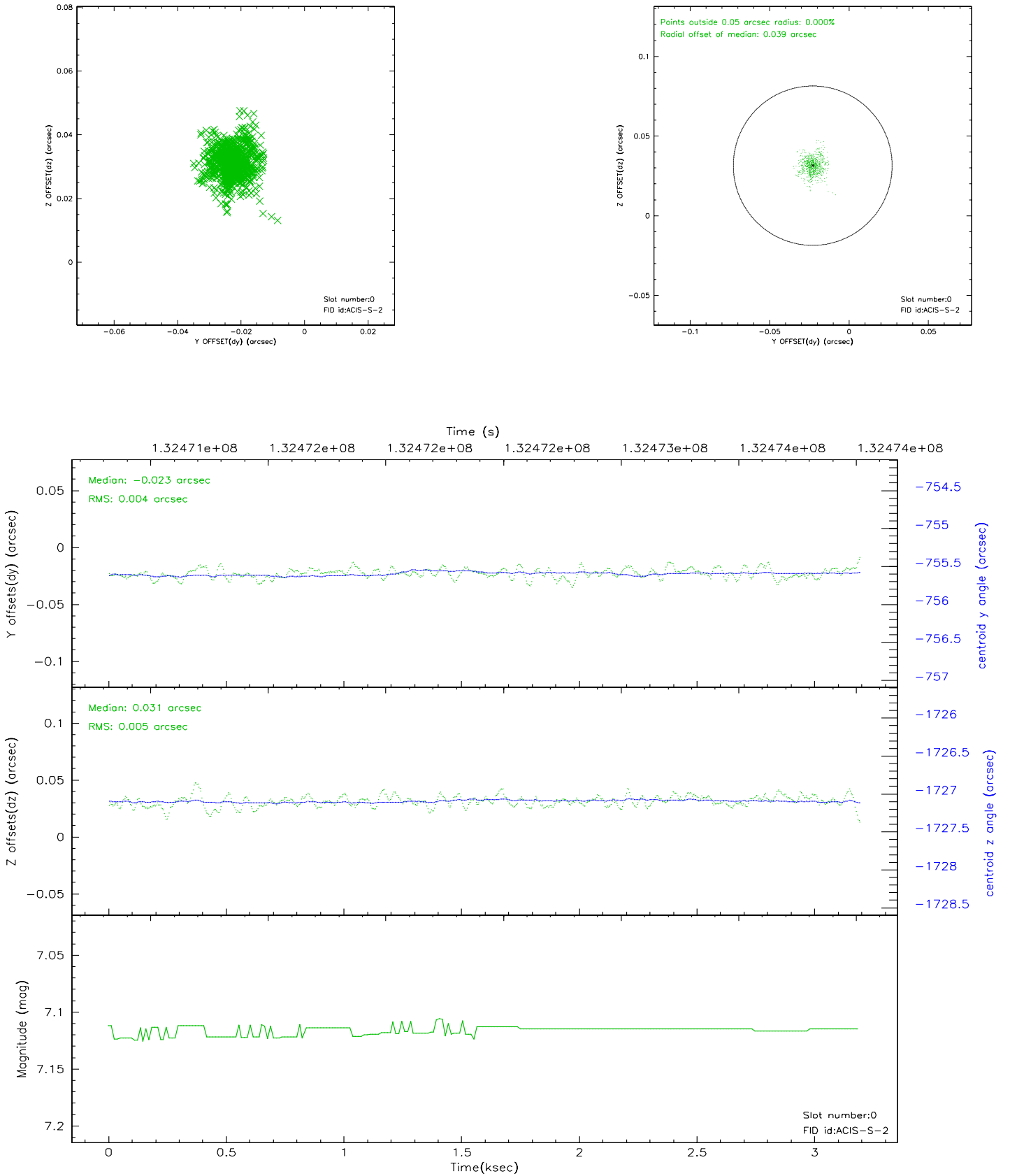


2.4.5 Slot 7

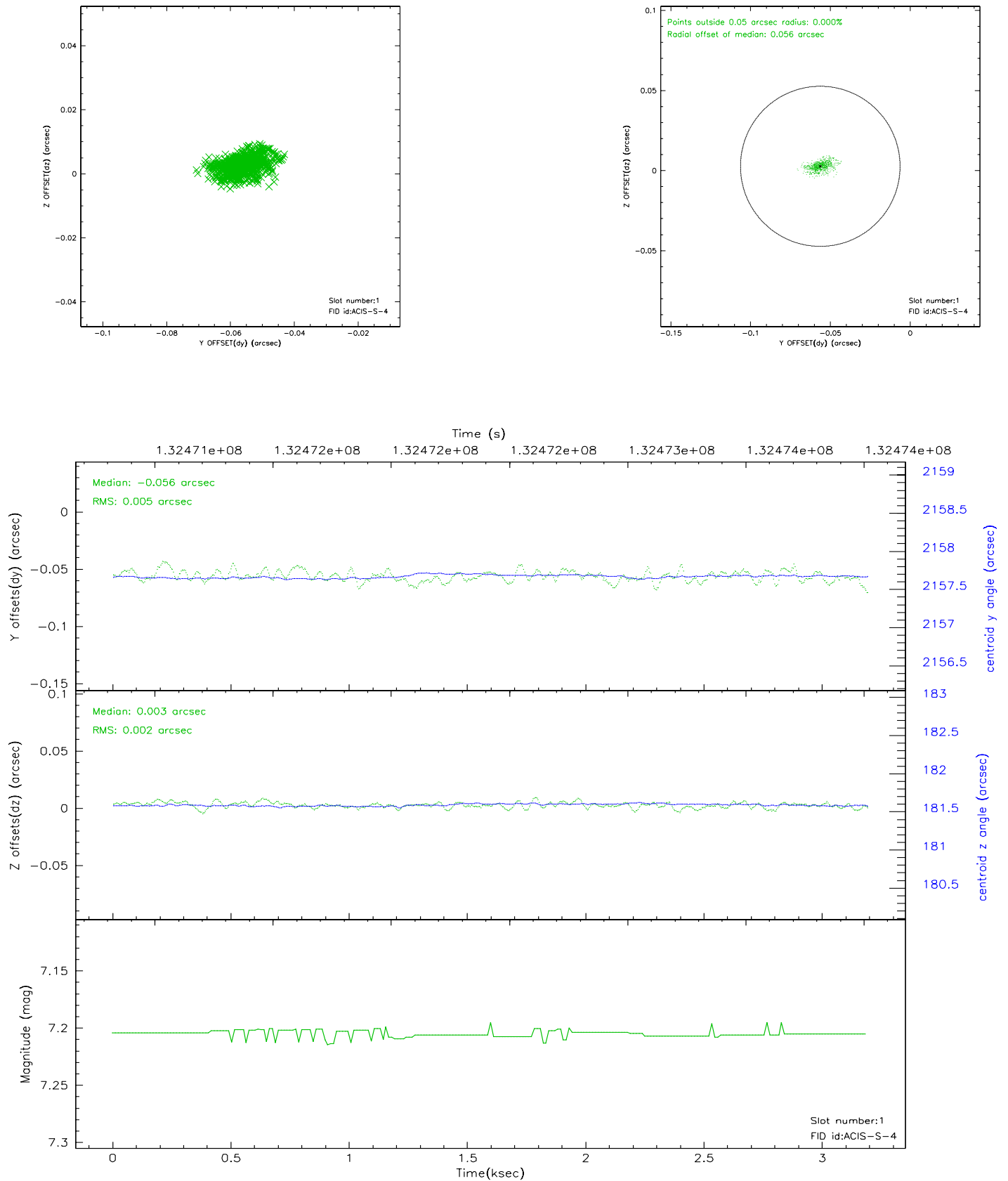


2.5 FID Slots

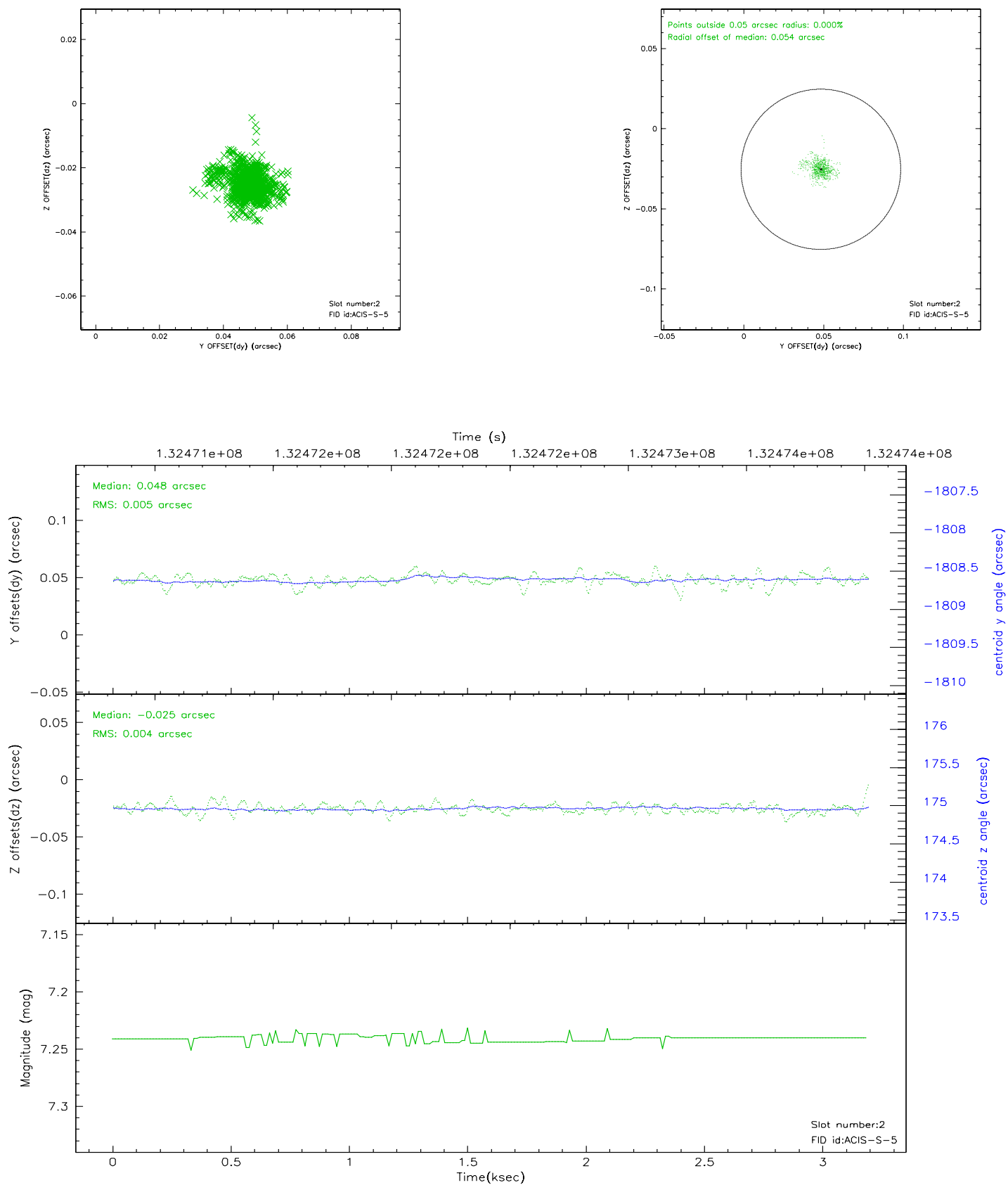
2.5.1 Slot 0



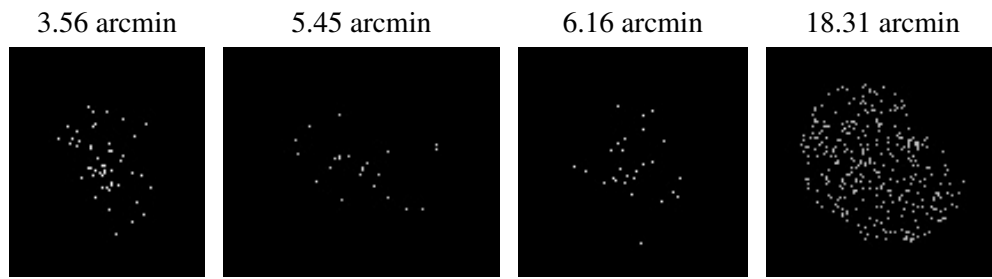
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.09.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.001

A.2 Comments