

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 5011 - L2 Version 001
Chandra X-Ray Center

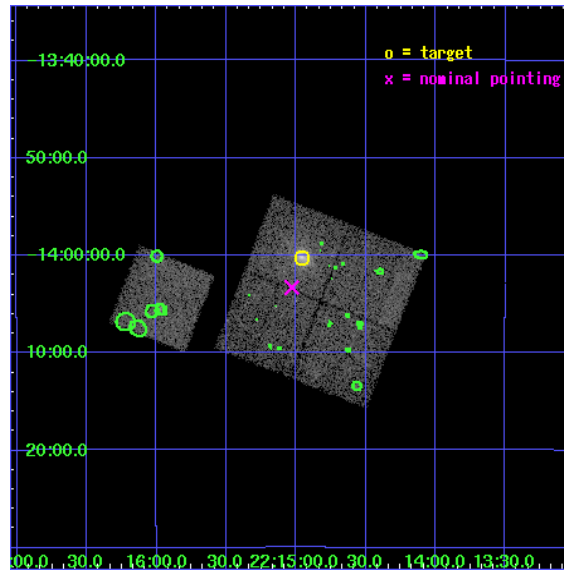
L2 Processing Date : Jun 27 2006

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1 Front

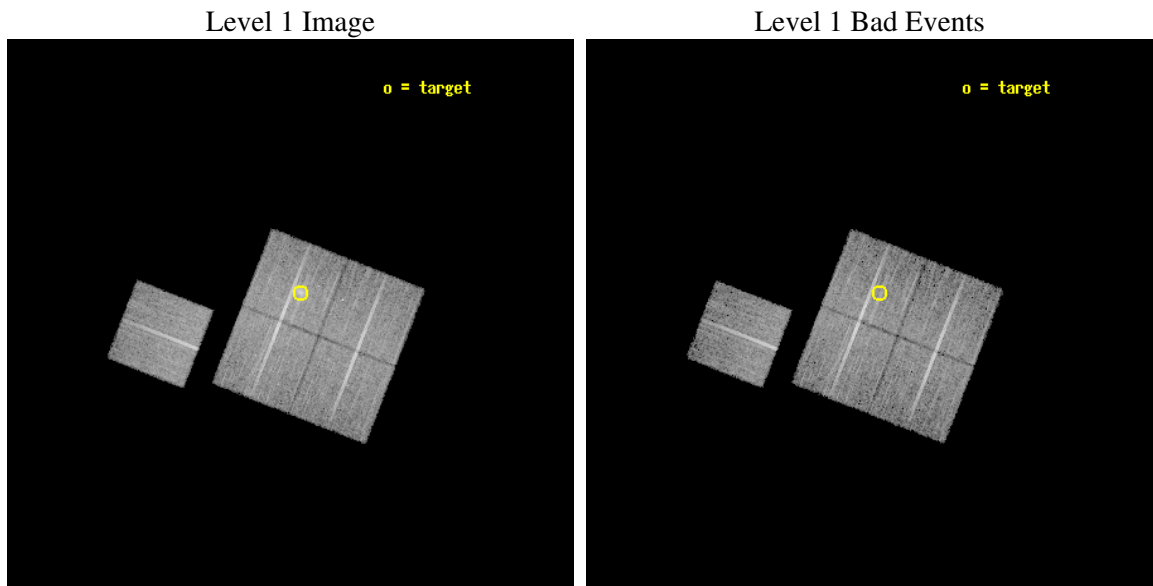
seq_num	800454
obs_id	5011
title	Cluster studies: Determination of H0/q0
observer	DR. LEON VANSPEYBROECK
object	MACS2214.9-1359
dtcycle	0
cycle	P
ra_targ	333.73875
dec_targ	-14.003889
ra_nom	333.75732385741
dec_nom	-14.055106679608
roll_nom	291.45612813248
revision	2
ontime	18770.499963909
livetime	18525.24956324
ontime0	18770.499963909
ontime1	18770.499963909
ontime2	18770.499963909
ontime3	18770.499963909
ontime6	18770.499963909
l2events	53177



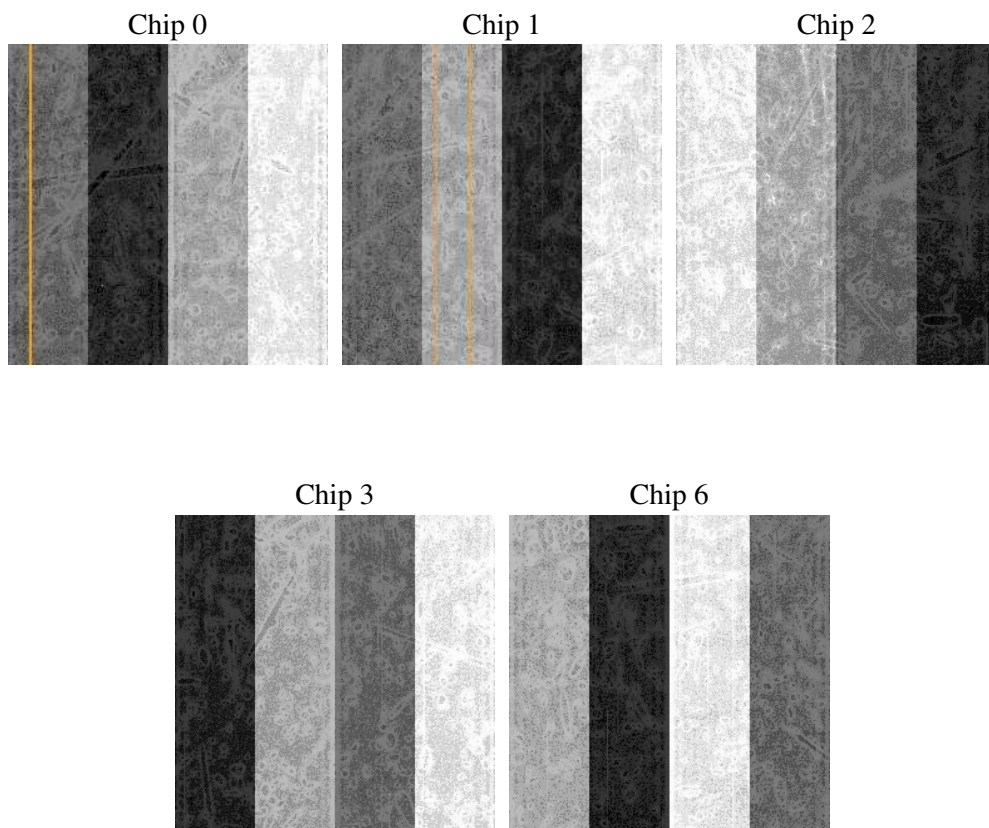
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldbver	3.2.2
date	2006-06-28T01:52:26
revision	2

sched_exp_time	18627.307000
ontime	19150.692750245
ontime0	19150.692750245
ontime1	19150.692750245
ontime2	19150.692750245
ontime3	19150.692750245
ontime6	19150.692750245
l1events	407042

2.1.4 Events

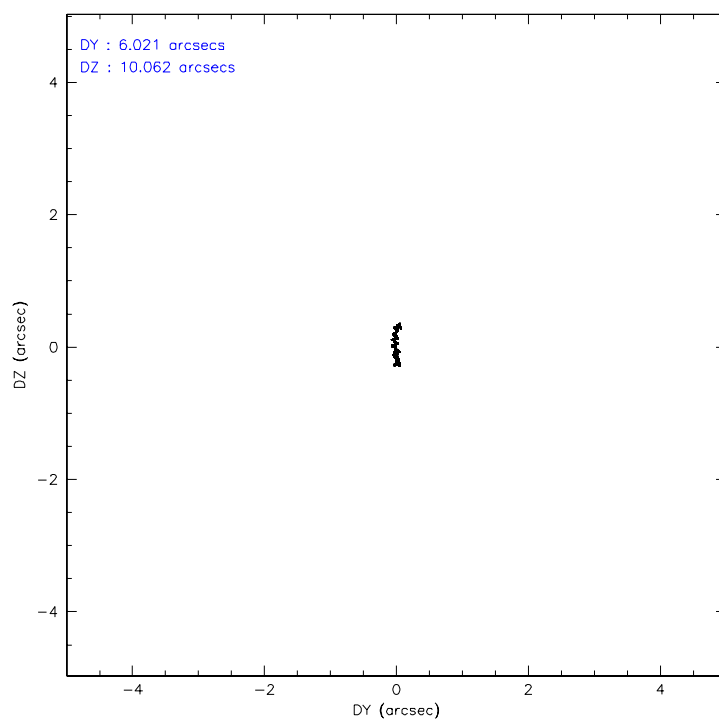
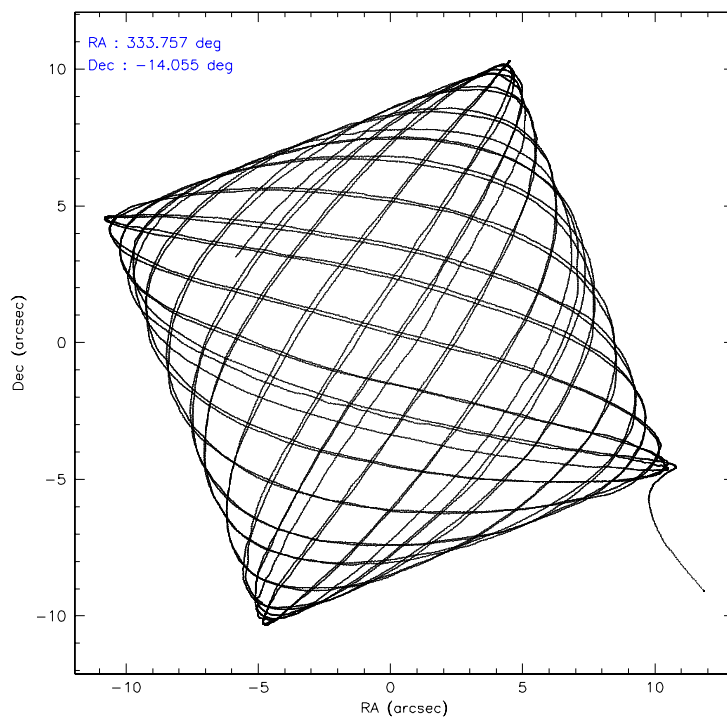
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	74820	77664	84590	87731	82237
rejected events	64268	65336	74356	72811	69473
rejected %	85%	84%	87%	82%	84%

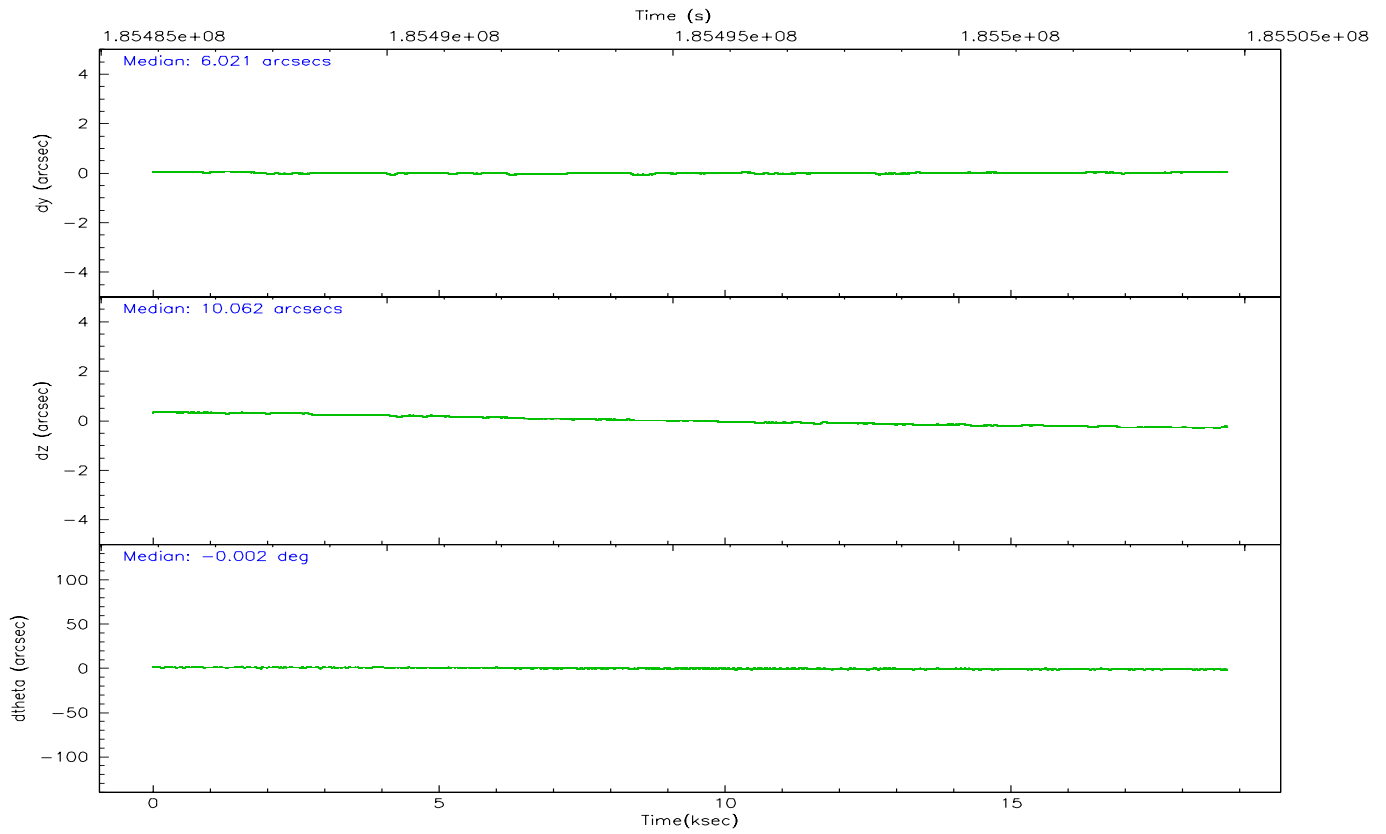
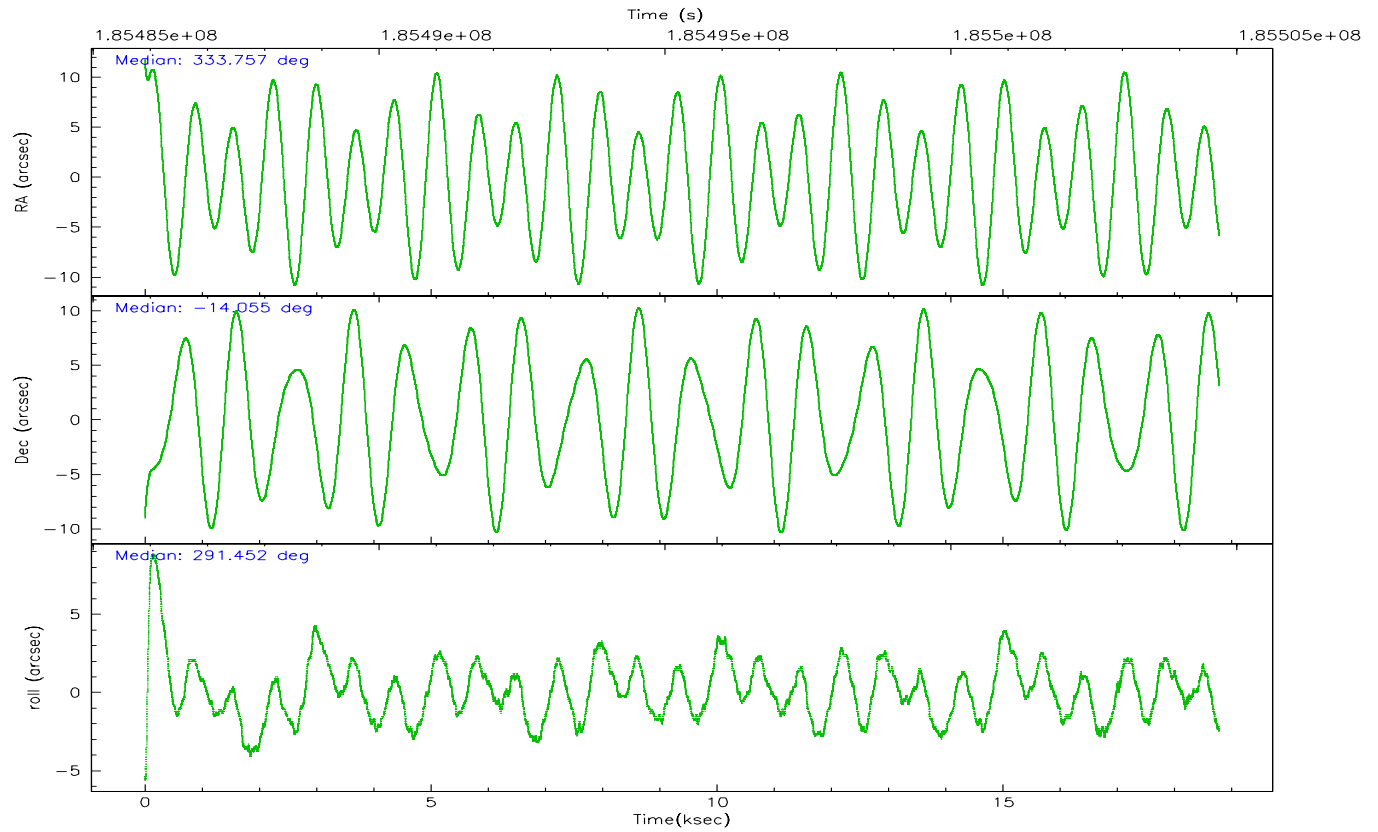
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	5034	5905	4982	8663	6746
	6%	7%	5%	9%	8%
grade 1 events	46	38	41	59	39
	0%	0%	0%	0%	0%
grade 2 events	2074	2416	2016	2413	2253
	2%	3%	2%	2%	2%
grade 3 events	1030	1090	904	1132	1045
	1%	1%	1%	1%	1%
grade 4 events	903	1135	952	1154	992
	1%	1%	1%	1%	1%
grade 5 events	2902	3137	2844	3291	3347
	3%	4%	3%	3%	4%
grade 6 events	1681	1998	1561	1793	1935
	2%	2%	1%	2%	2%
grade 7 events	61150	61945	71290	69226	65880
	81%	79%	84%	78%	80%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	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	333.735157	333.7573238574078	Alternating exposures requested	N	N
Pointing Dec	-14.038152	-14.05510667960784	Primary exposure time	0.000000	3.1
Pointing Roll	291.242073	291.4561281324773			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-225.840463	-225.8433433320239			
SIM translation stage offset (mm)	-7.752	-7.749109670905796			
Observation start time	185486054.184000	185484897.19476			
Observation start date	2003-11-17T19:53:10	2003-11-17T19:34:57			
Observation end time	185504682.184000	185504996.42063			
Observation end date	2003-11-18T01:03:38	2003-11-18T01:09:56			
Read mode	TIMED	TIMED			

2.3 Aspect



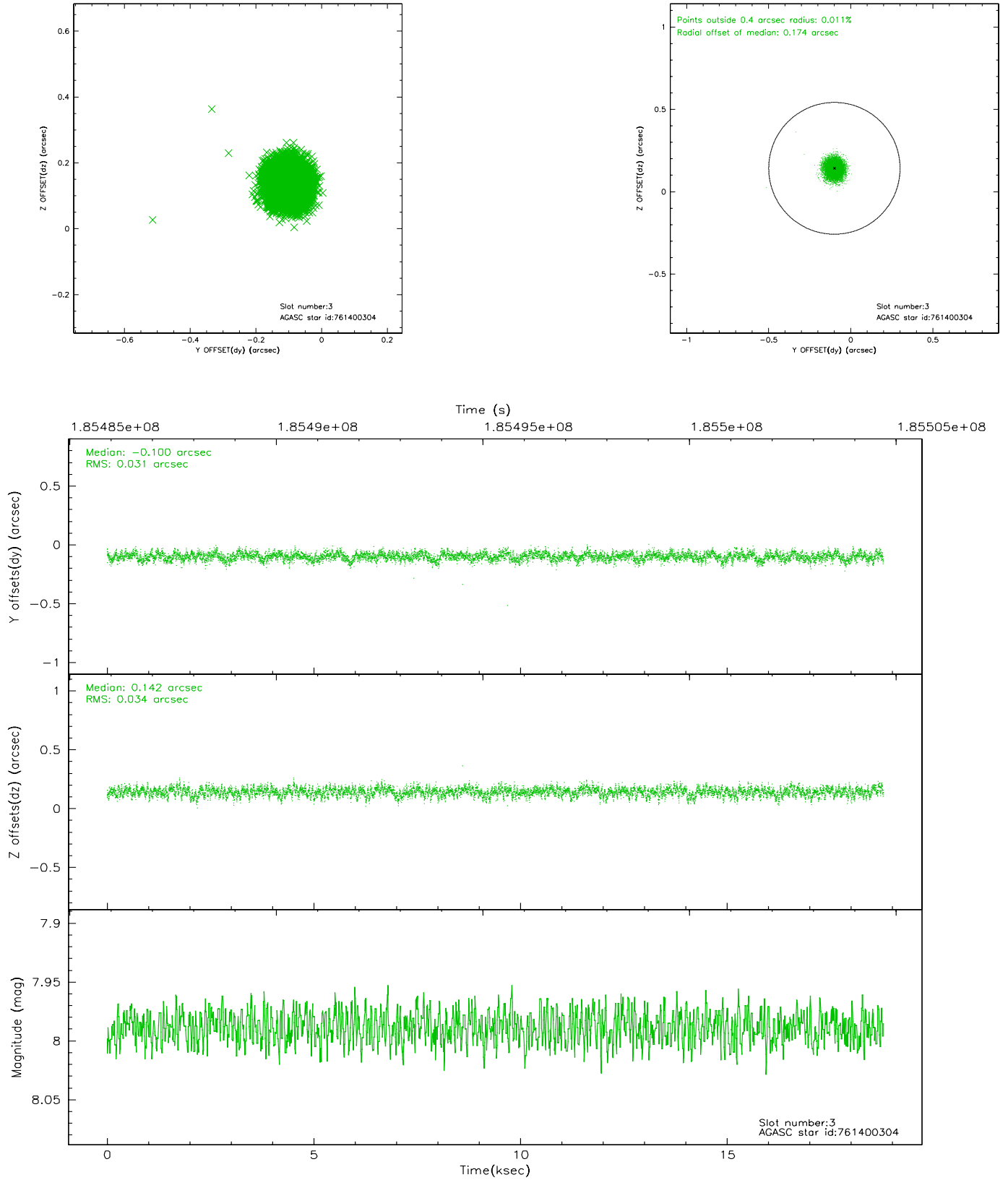


Slot Statistics

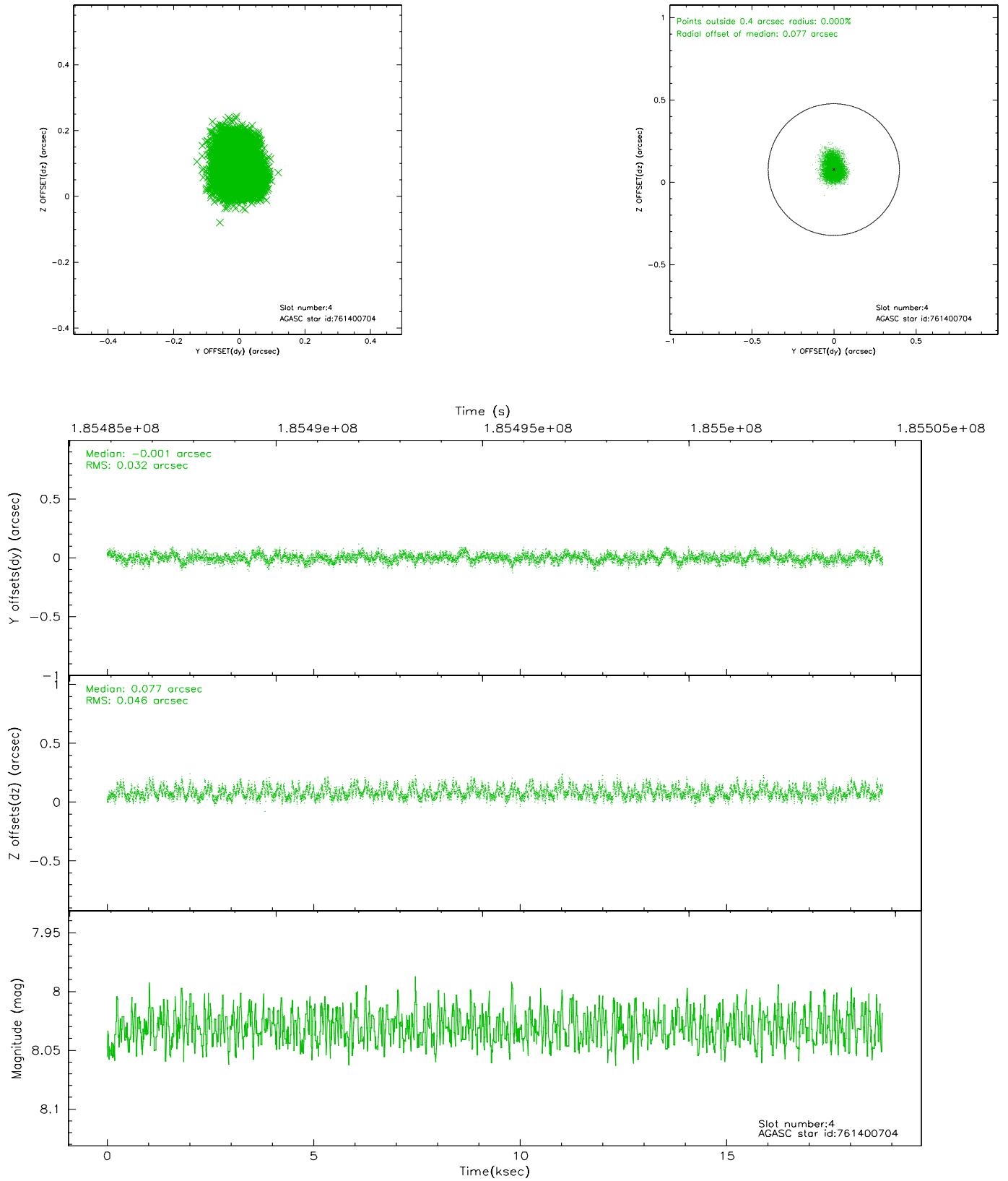
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.23	4580	0.061	-0.043	0.009	0.016	0.000000	0.000000	933.60	-992.67
1	FID	ACIS-I-5	7.22	4580	-0.179	0.070	0.008	0.013	0.000000	0.000000	-1814.62	904.80
2	FID	ACIS-I-6	7.25	4580	0.027	0.043	0.009	0.014	0.000000	0.000000	398.89	1549.51
3	GUIDE	761400304	7.99	9160	-0.100	0.142	0.048	0.079	334.105164	-14.045021	492.31	1195.30
4	GUIDE	761400704	8.03	9159	-0.001	0.077	0.060	0.096	334.287647	-14.192394	1218.49	1595.52
5	GUIDE	761400992	7.62	9160	0.057	-0.048	0.056	0.090	334.002882	-14.435961	1673.90	351.12
6	GUIDE	761401872	9.12	9157	-0.088	-0.117	0.087	0.145	333.203729	-13.899520	-1135.60	-1551.25
7	GUIDE	761405288	9.59	9150	0.134	-0.057	0.091	0.150	334.101900	-14.554599	2197.10	517.05

2.4 Star Slots

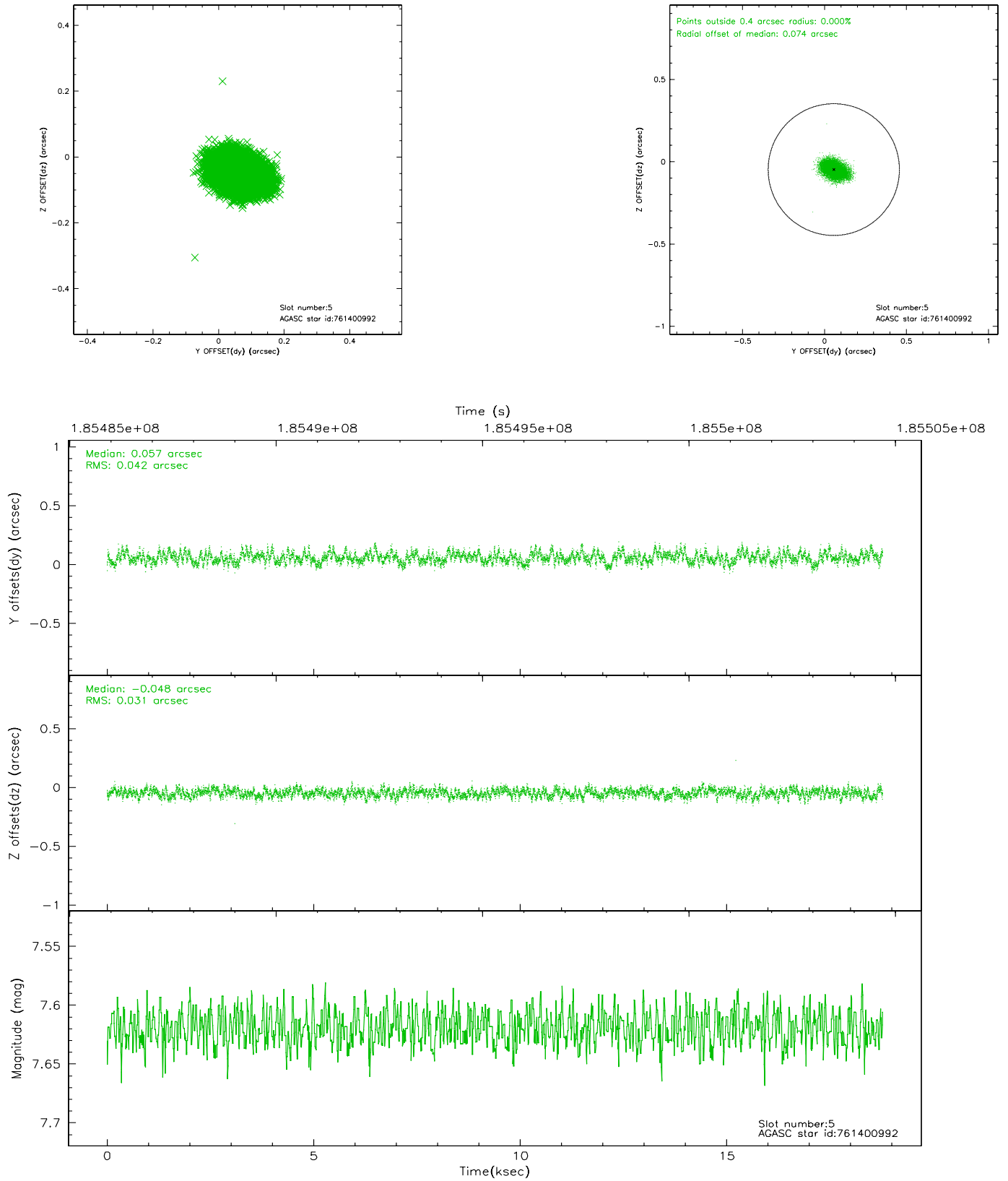
2.4.1 Slot 3



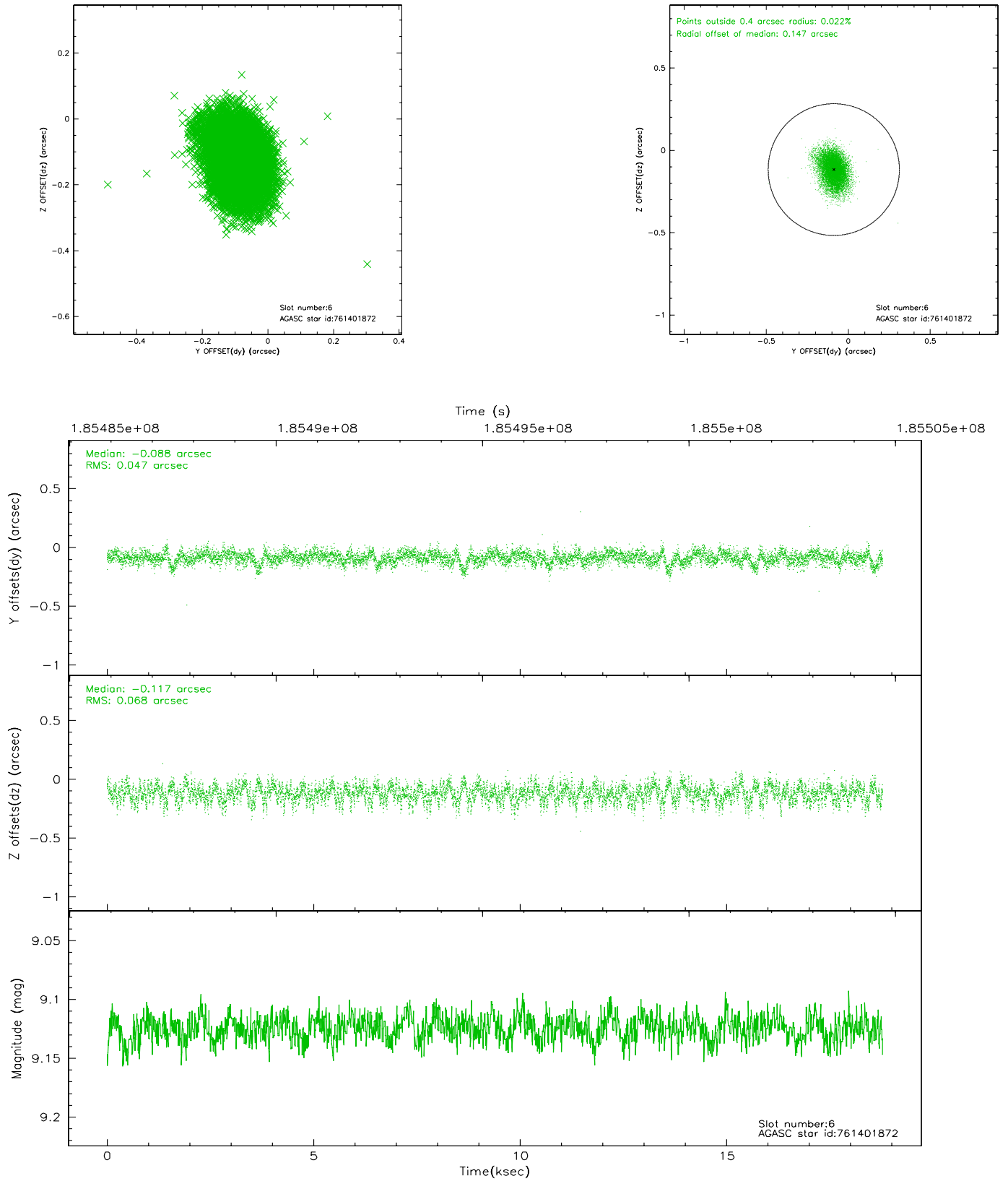
2.4.2 Slot 4



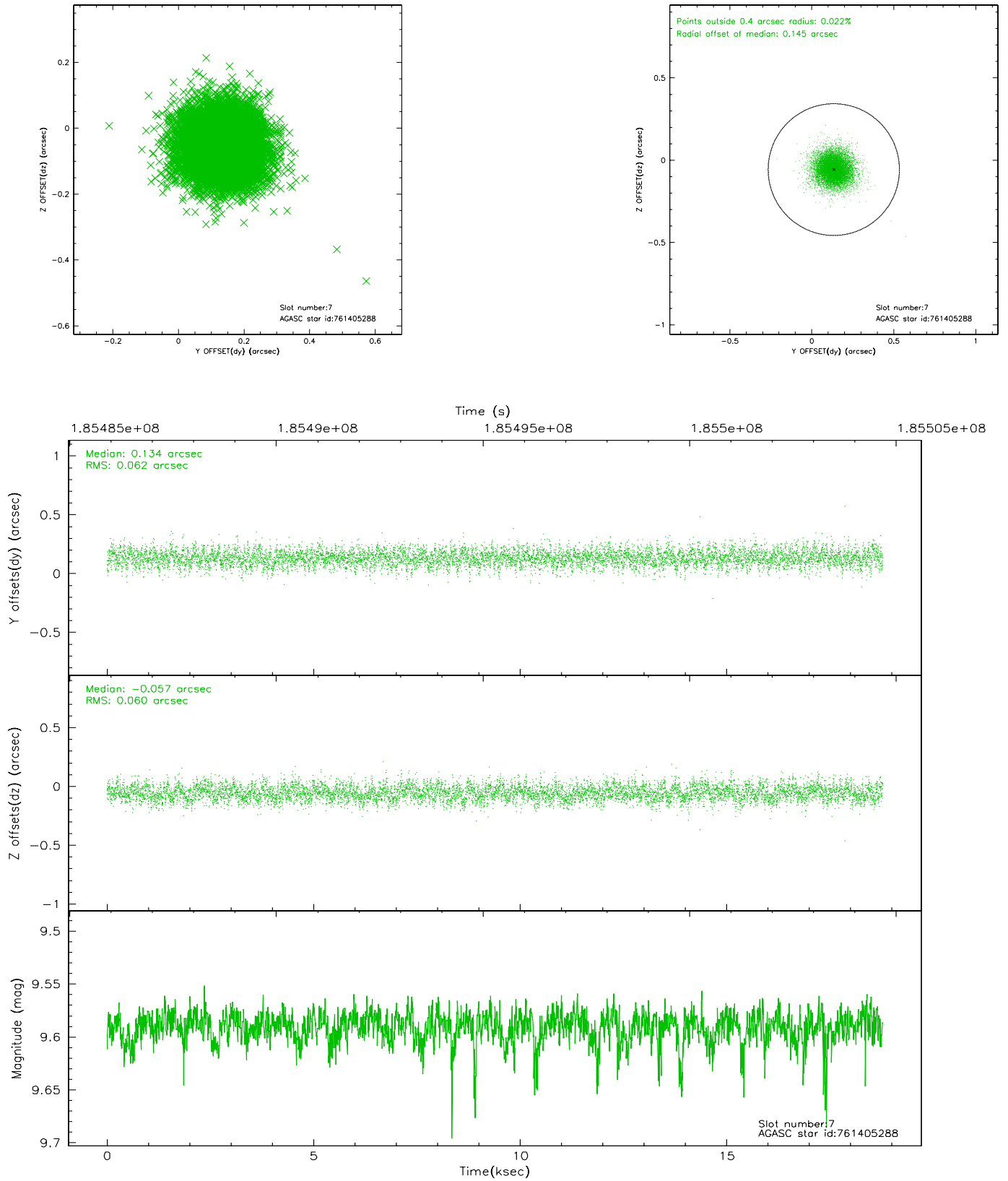
2.4.3 Slot 5



2.4.4 Slot 6

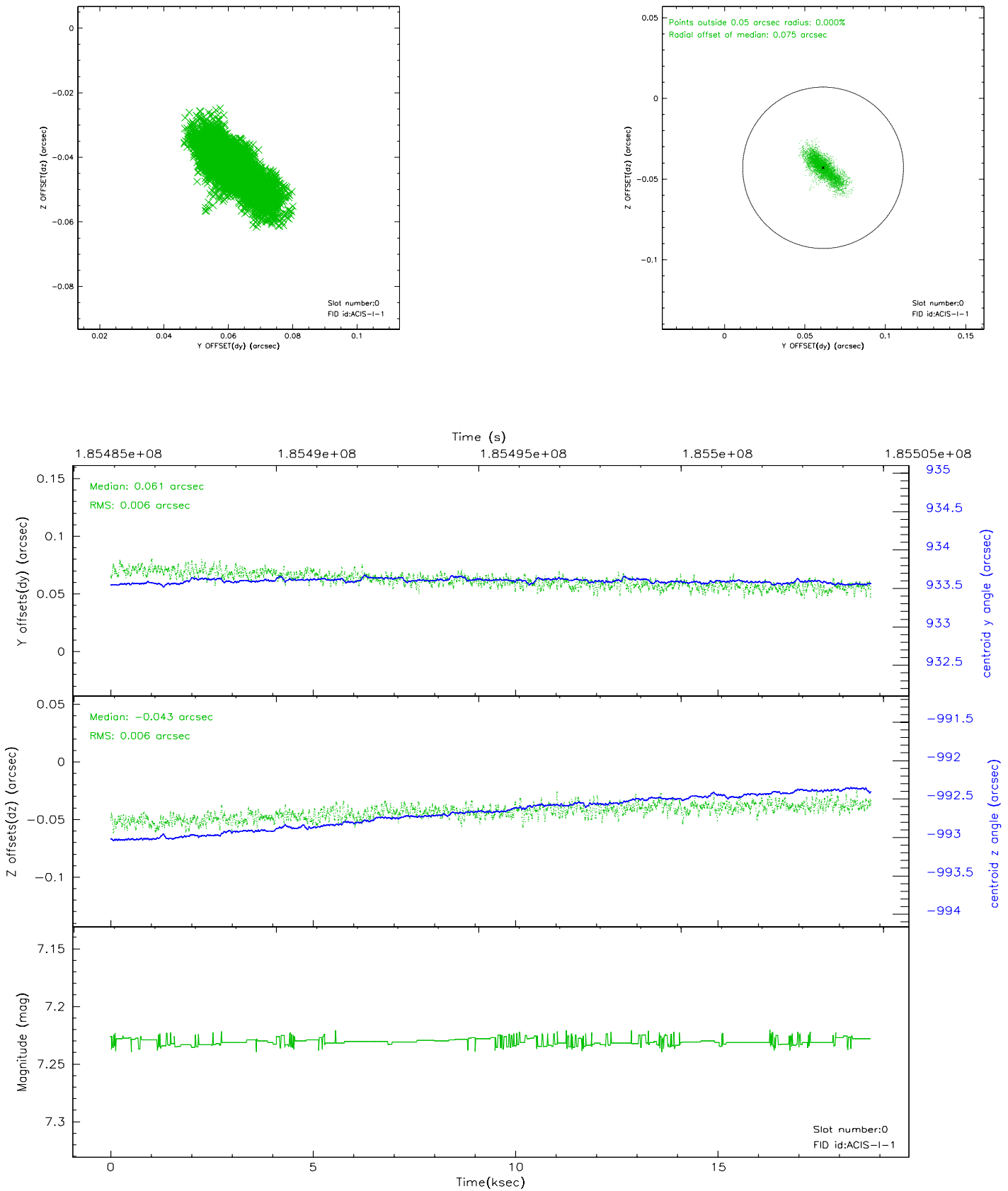


2.4.5 Slot 7

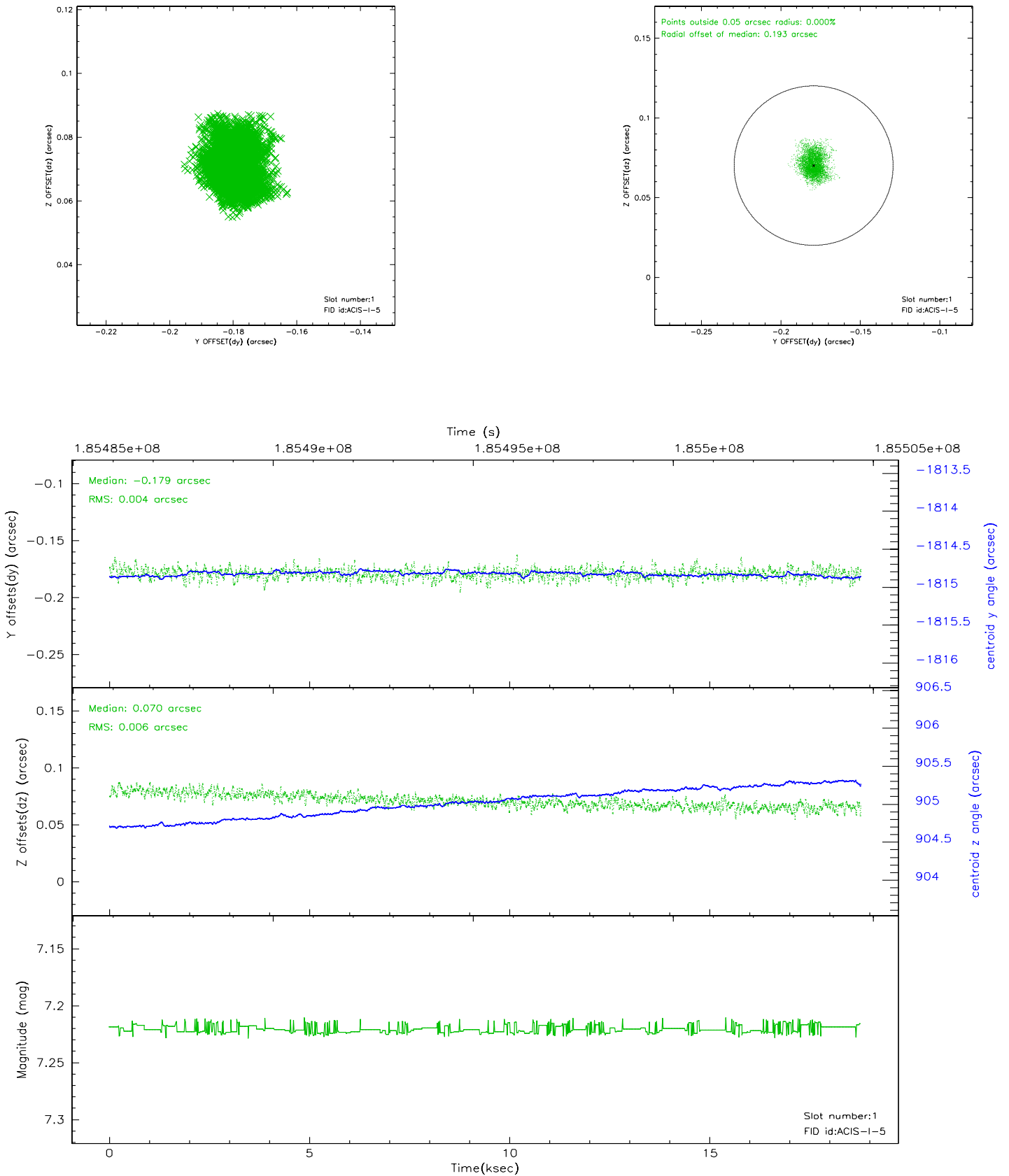


2.5 FID Slots

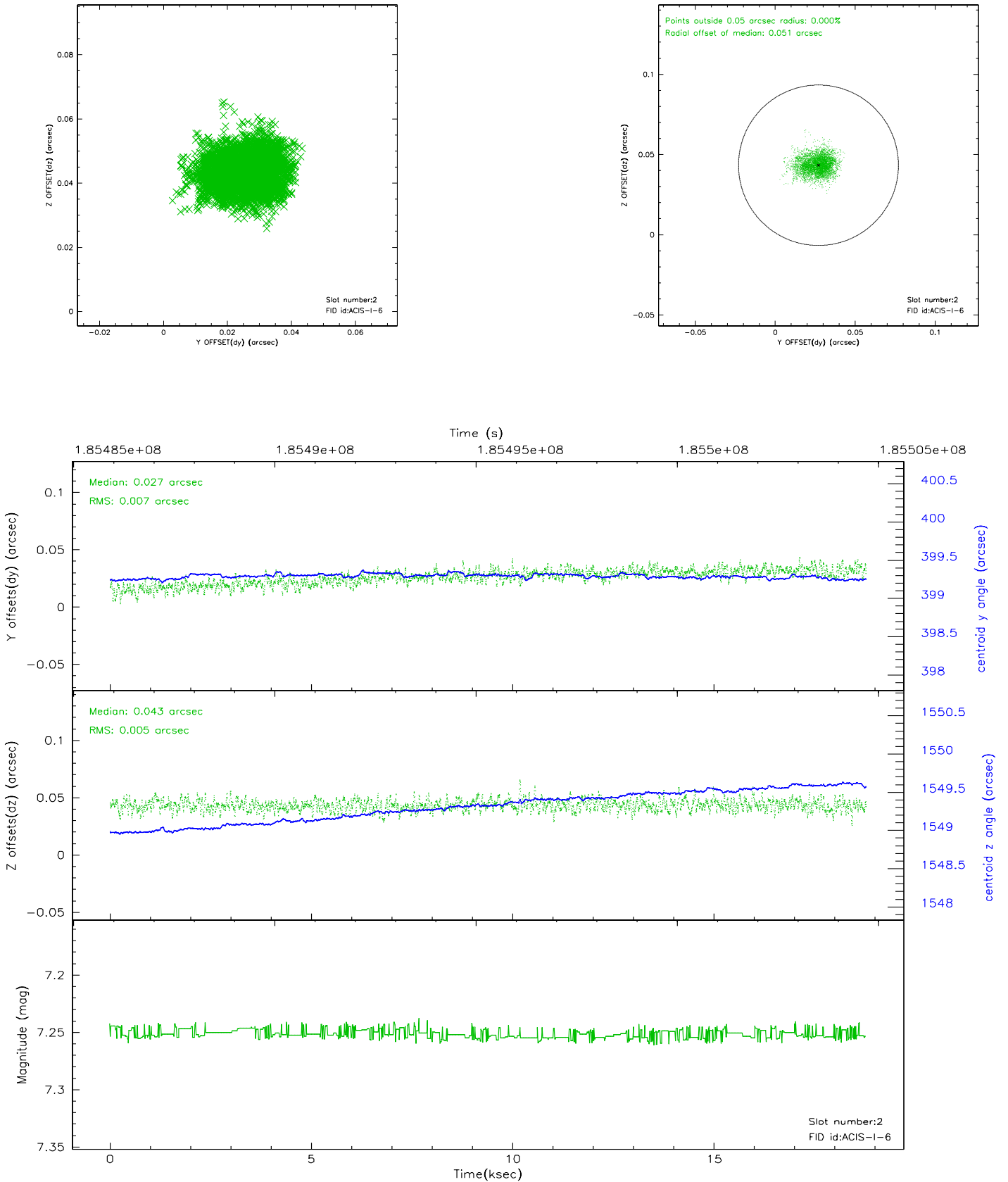
2.5.1 Slot 0



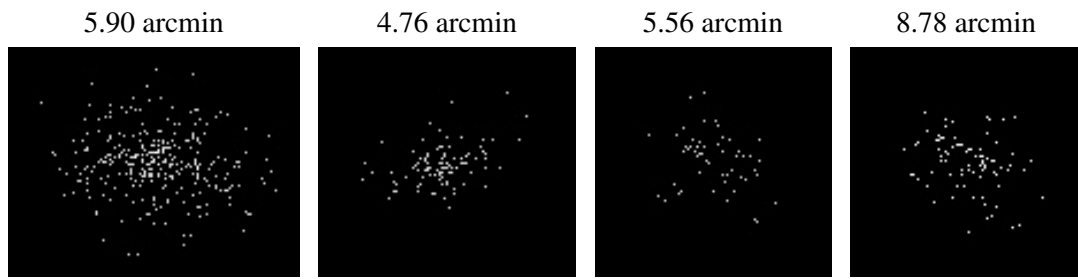
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.06.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	18.77

A.2 Comments