

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4753 - L2 Version 001
Chandra X-Ray Center

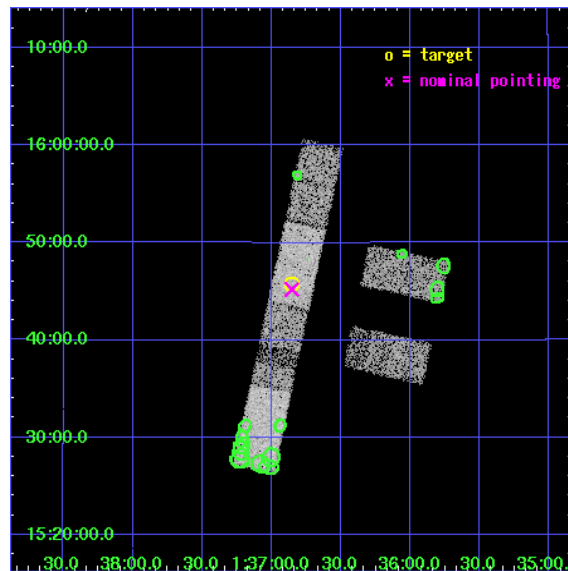
L2 Processing Date : Jun 26 2006

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1 Front

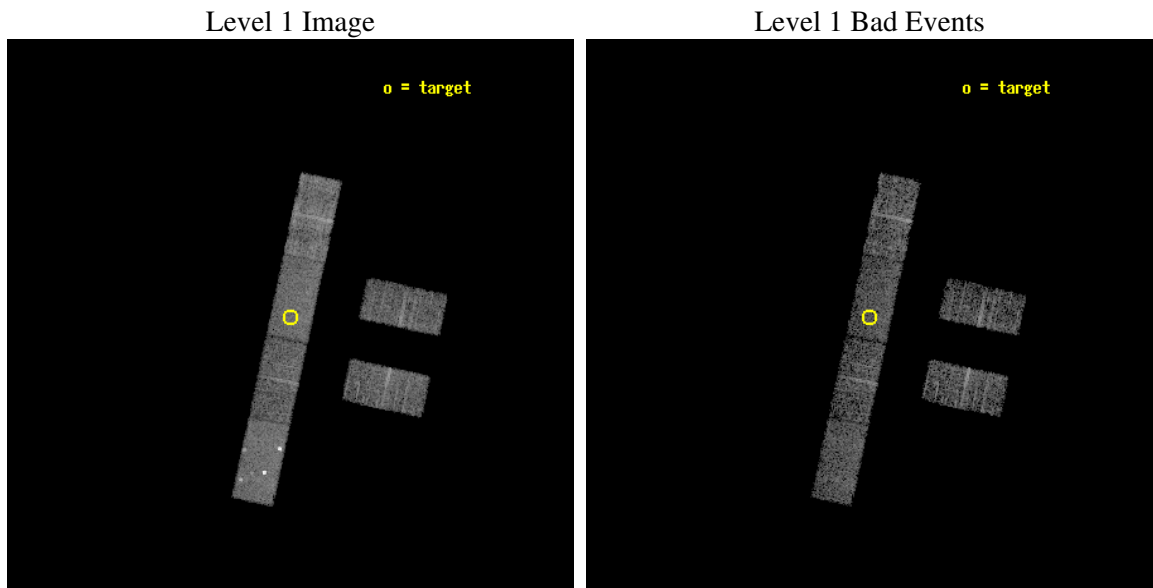
seq_num	600408
obs_id	4753
title	Observations of Intermediate Mass Black Hole Candidate Ultra-Luminous X-ray Sources
observer	Dr Jon Miller
object	M74 X-1
dtcycle	0
cycle	P
ra_targ	24.212917
dec_targ	15.763056
ra_nom	24.213326339413
dec_nom	15.753475778361
roll_nom	282.17935427066
revision	2
ontime	5403.6000357866
livetime	5283.1443447269
ontime2	5403.6000357866
ontime3	5403.6000357866
ontime5	5403.6000357866
ontime6	5403.6000357866
ontime7	5403.6000357866
ontime8	5403.6000357866
l2events	32716



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	0
ascdsver	7.6.8
caldsver	3.2.2
date	2006-06-26T15:38:06
revision	2

sched_exp_time	5000.000000
ontime	5407.0822544992
ontime2	5407.0822544992
ontime3	5407.0822544992
ontime5	5407.0822544992
ontime6	5407.0822544992
ontime7	5407.0822544992
ontime8	5407.0822544992
l1events	129083

2.1.4 Events

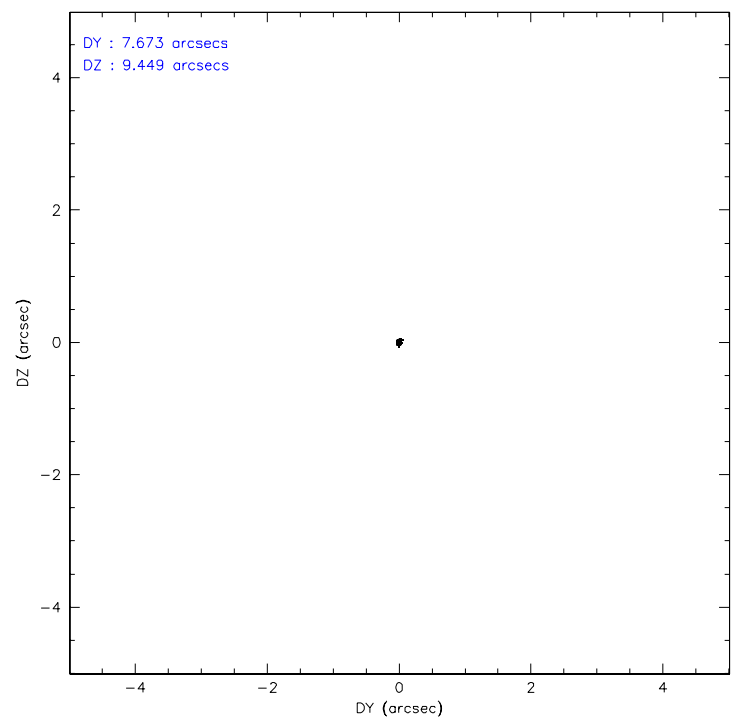
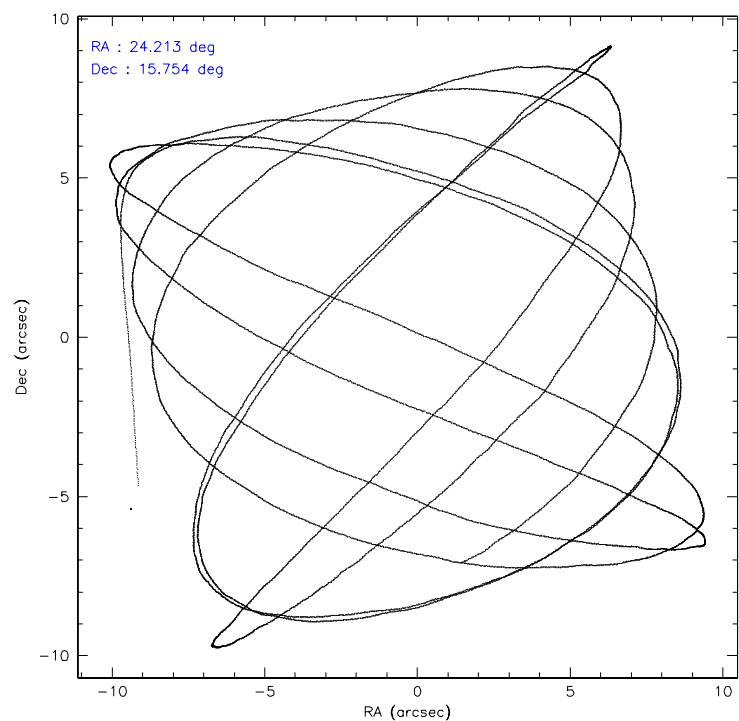
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	18387	16465	29296	16825	21452	26658
rejected events	14762	12703	13152	12899	12538	16265
rejected %	80%	77%	44%	76%	58%	61%

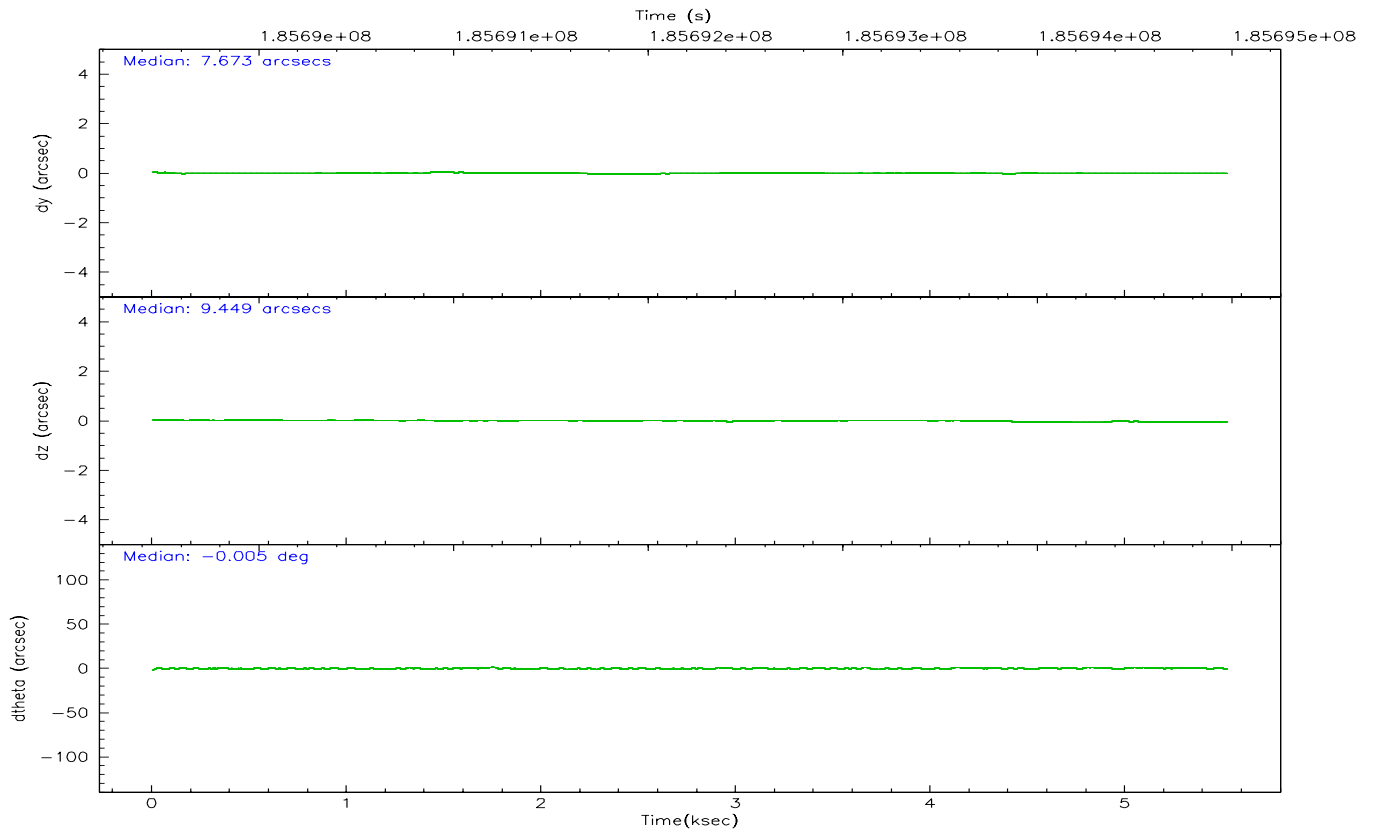
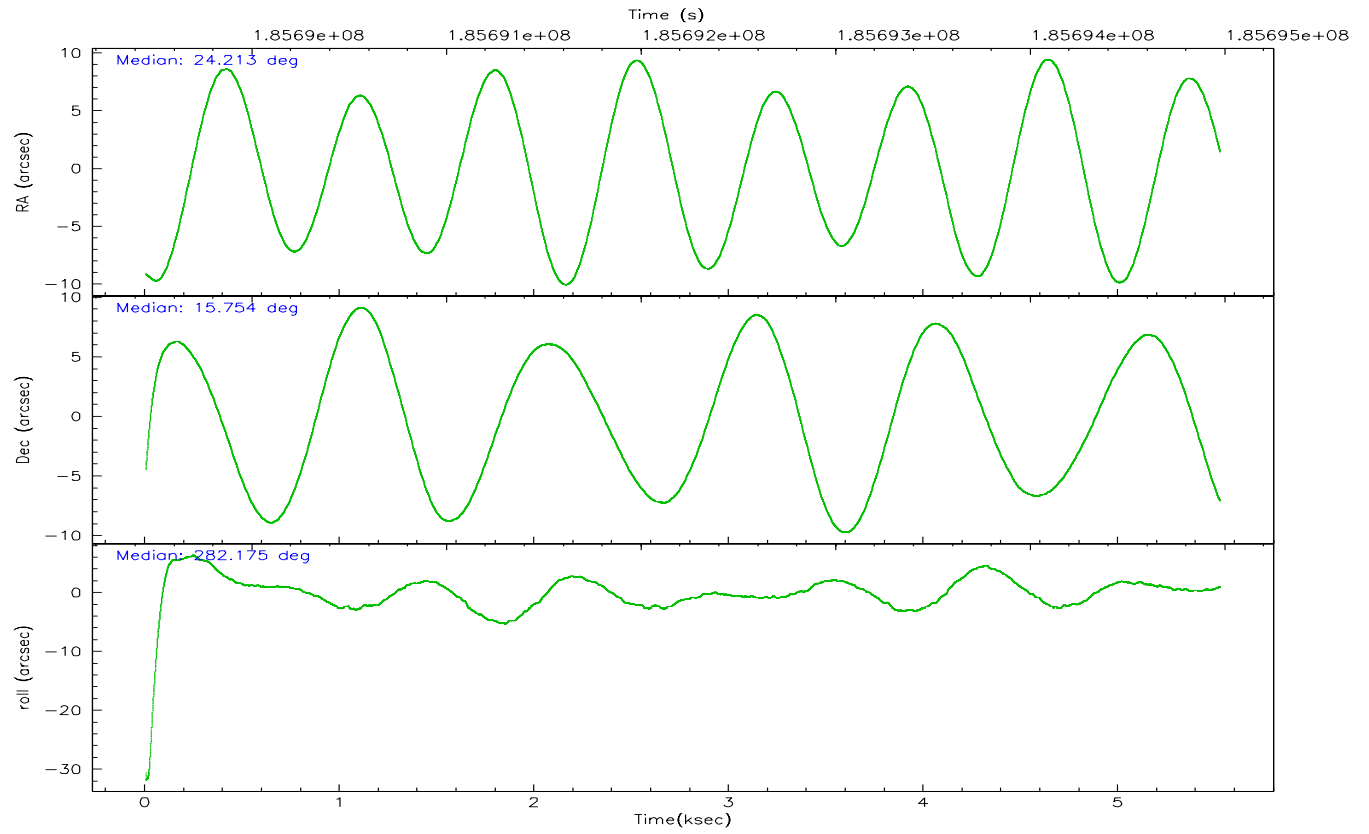
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	1551	1479	6381	1516	662	4117
	8%	8%	21%	9%	3%	15%
grade 1 events	8	9	40	7	16	27
	0%	0%	0%	0%	0%	0%
grade 2 events	904	1138	3370	1265	2258	1955
	4%	6%	11%	7%	10%	7%
grade 3 events	226	218	341	214	622	1298
	1%	1%	1%	1%	2%	4%
grade 4 events	238	226	334	239	506	1234
	1%	1%	1%	1%	2%	4%
grade 5 events	642	650	1105	689	1422	893
	3%	3%	3%	4%	6%	3%
grade 6 events	706	703	5730	695	4877	1791
	3%	4%	19%	4%	22%	6%
grade 7 events	14112	12042	11995	12200	11089	15343
	76%	73%	40%	72%	51%	57%

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	1/2	1/2
Pointing RA	24.194005	24.21332633941334	Subarray start row	0	257
Pointing Dec	15.773322	15.75347577836124	Subarray row count	1024	512
Pointing Roll	282.028062	282.1793542706614	Alternating exposures requested	N	N
Window start time	185683921.184000	185683921.184000	Primary exposure time	0.000000	1.8
Window stop time	185707140.184000	185707140.184000			
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	185689984.184000	185688842.9911			
Observation start date	2003-11-20T04:32:00	2003-11-20T04:14:02			
Observation end time	185694984.184000	185696138.42892			
Observation end date	2003-11-20T05:55:20	2003-11-20T06:15:38			
Read mode	TIMED	TIMED			

2.3 Aspect



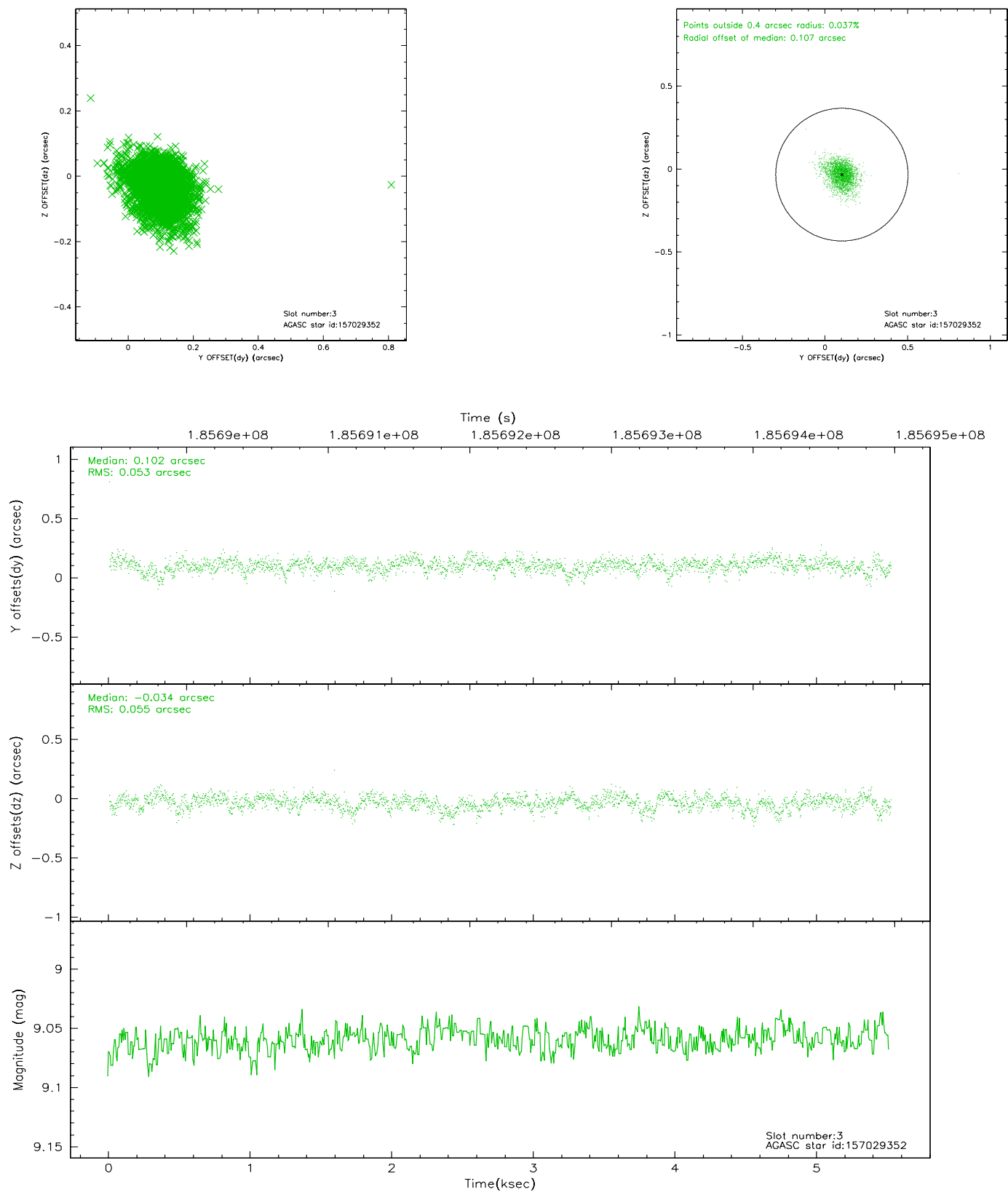


Slot Statistics

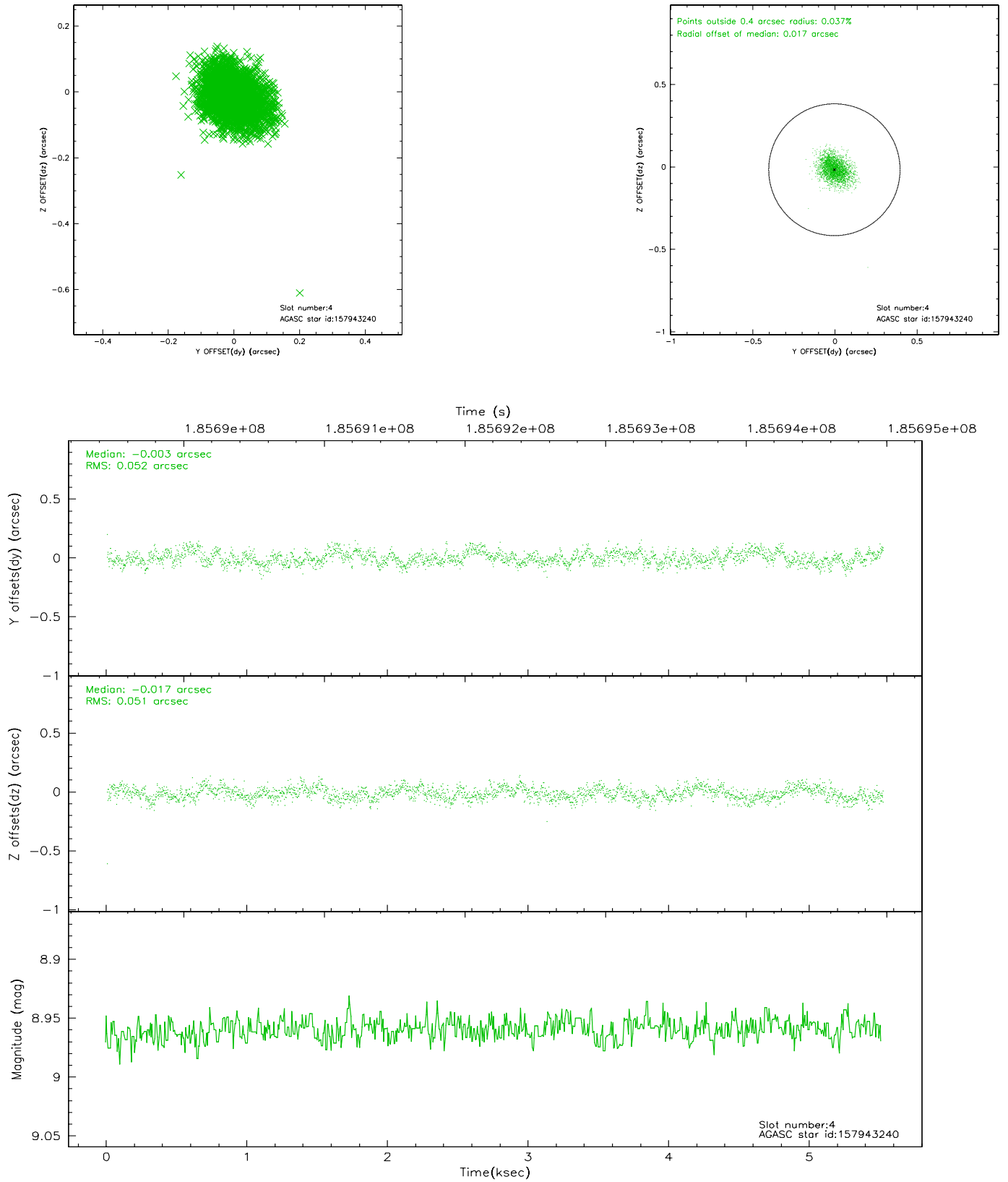
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1347	-0.018	-0.003	0.007	0.010	0.000000	0.000000	-760.43	-1730.69
1	FID	ACIS-S-4	7.20	1347	0.037	0.010	0.004	0.008	0.000000	0.000000	2152.38	176.72
2	FID	ACIS-S-5	7.23	1347	-0.050	0.003	0.007	0.011	0.000000	0.000000	-1811.94	171.57
3	GUIDE	157029352	9.06	2693	0.102	-0.034	0.078	0.133	23.764744	15.271289	1456.26	-1834.18
4	GUIDE	157943240	8.96	2694	-0.003	-0.017	0.076	0.125	24.500363	16.361777	-1851.39	1475.86
5	GUIDE	157953216	9.39	2694	0.134	0.061	0.084	0.139	24.189817	15.248642	1844.23	-407.08
6	GUIDE	157954272	8.71	2693	0.027	0.100	0.076	0.119	24.932144	15.423798	1761.24	2244.17
7	GUIDE	157036752	9.06	2692	-0.264	-0.116	0.099	0.163	23.400830	16.130370	-1832.86	-2413.44

2.4 Star Slots

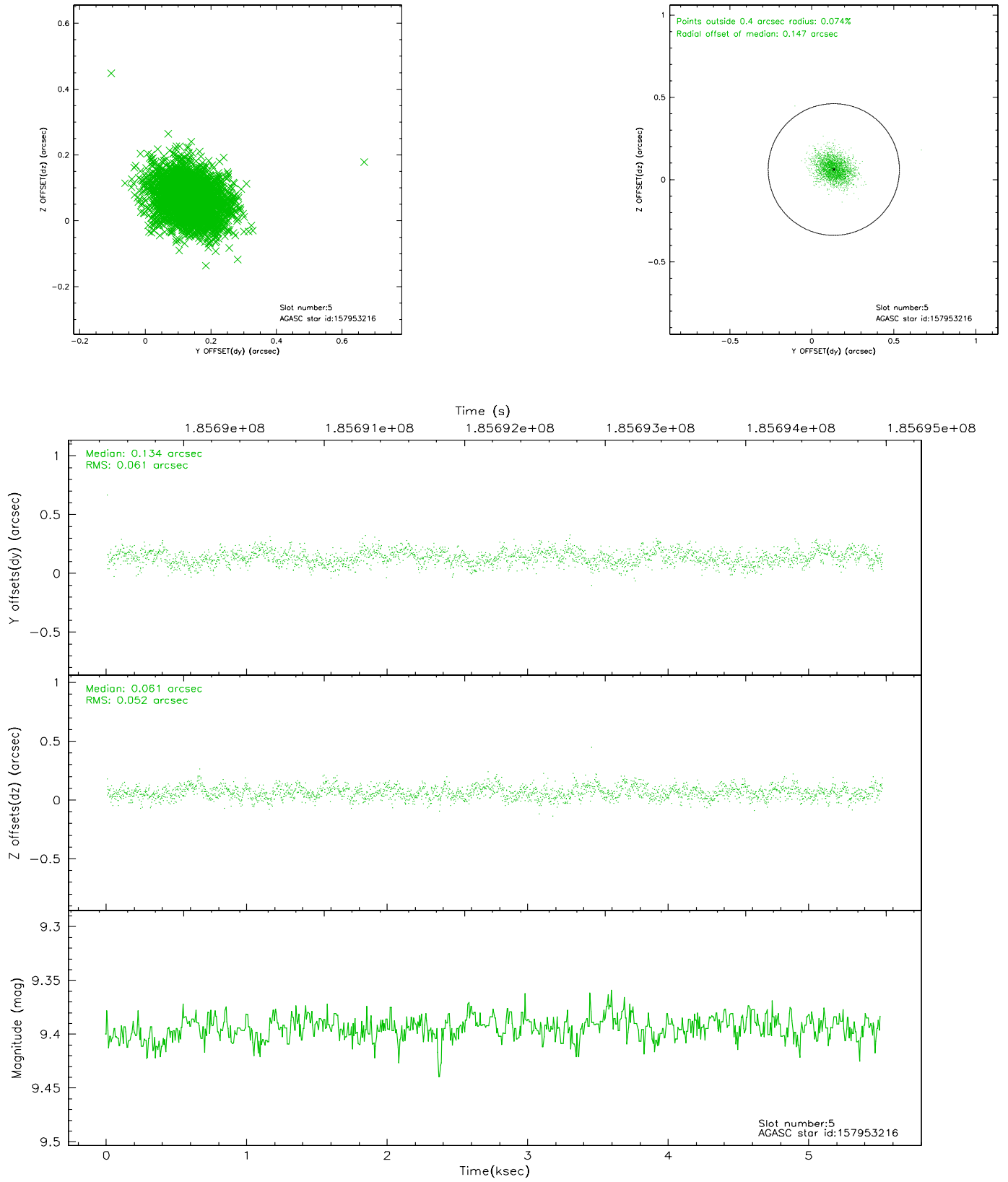
2.4.1 Slot 3



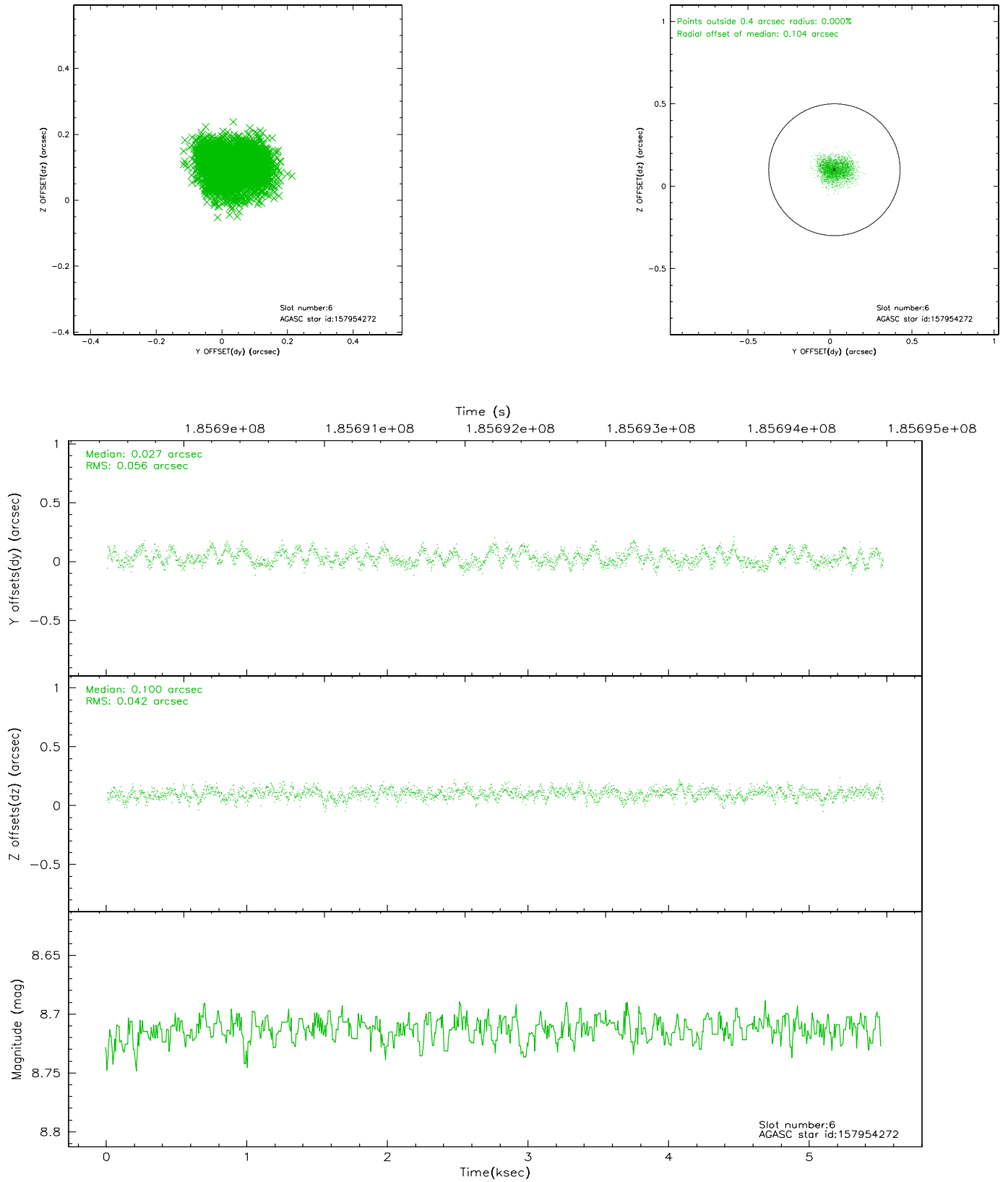
2.4.2 Slot 4



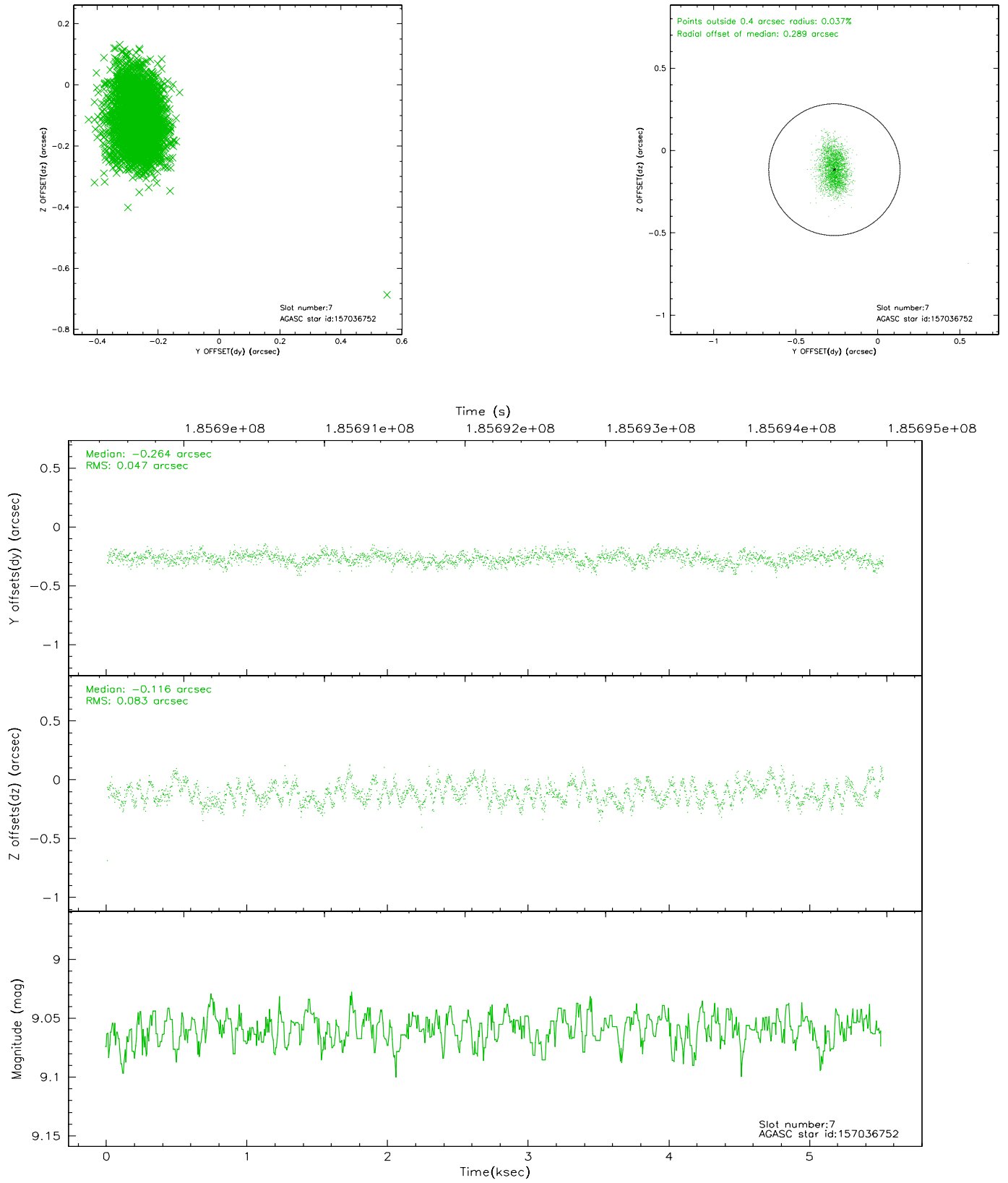
2.4.3 Slot 5



2.4.4 Slot 6

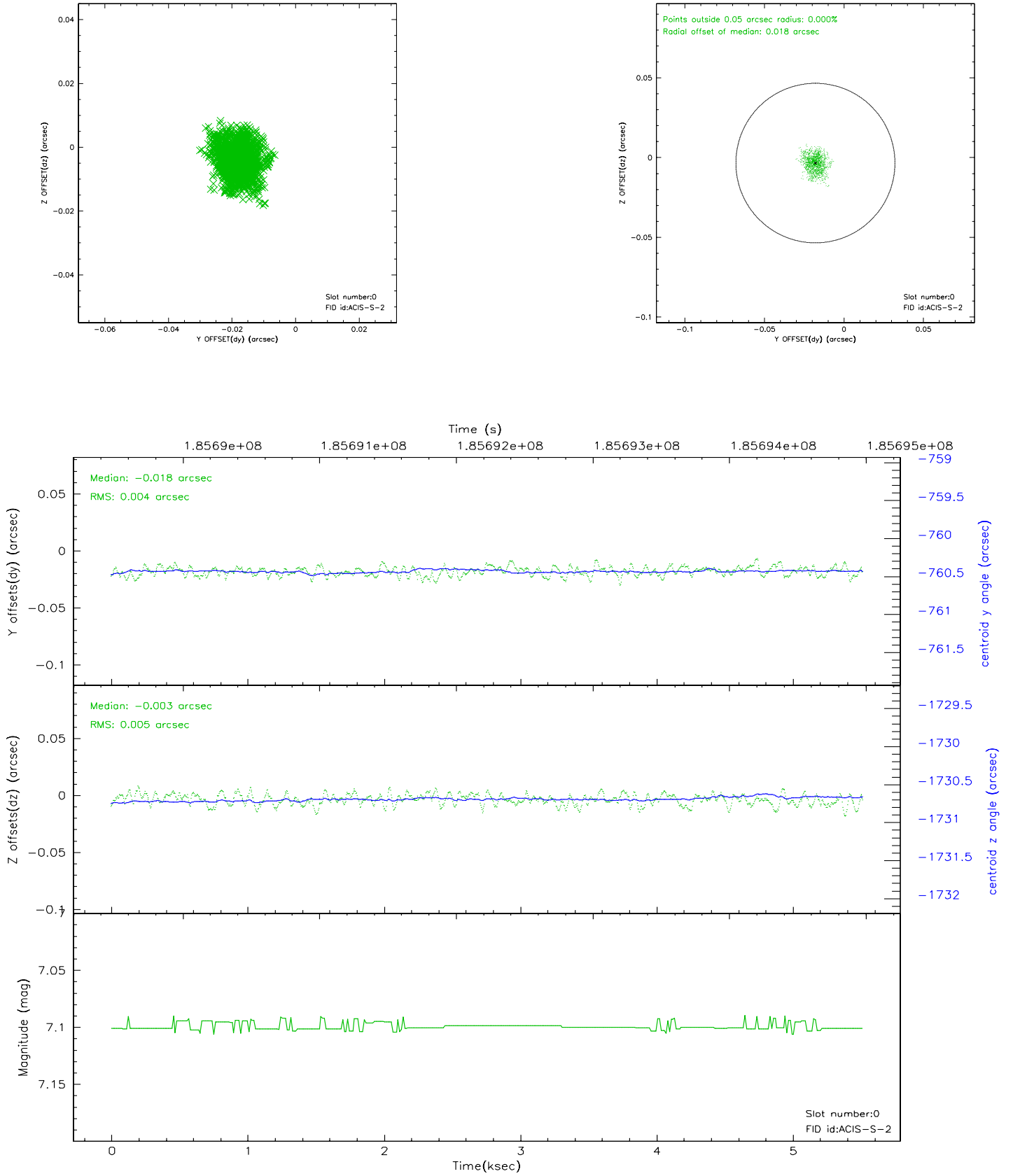


2.4.5 Slot 7

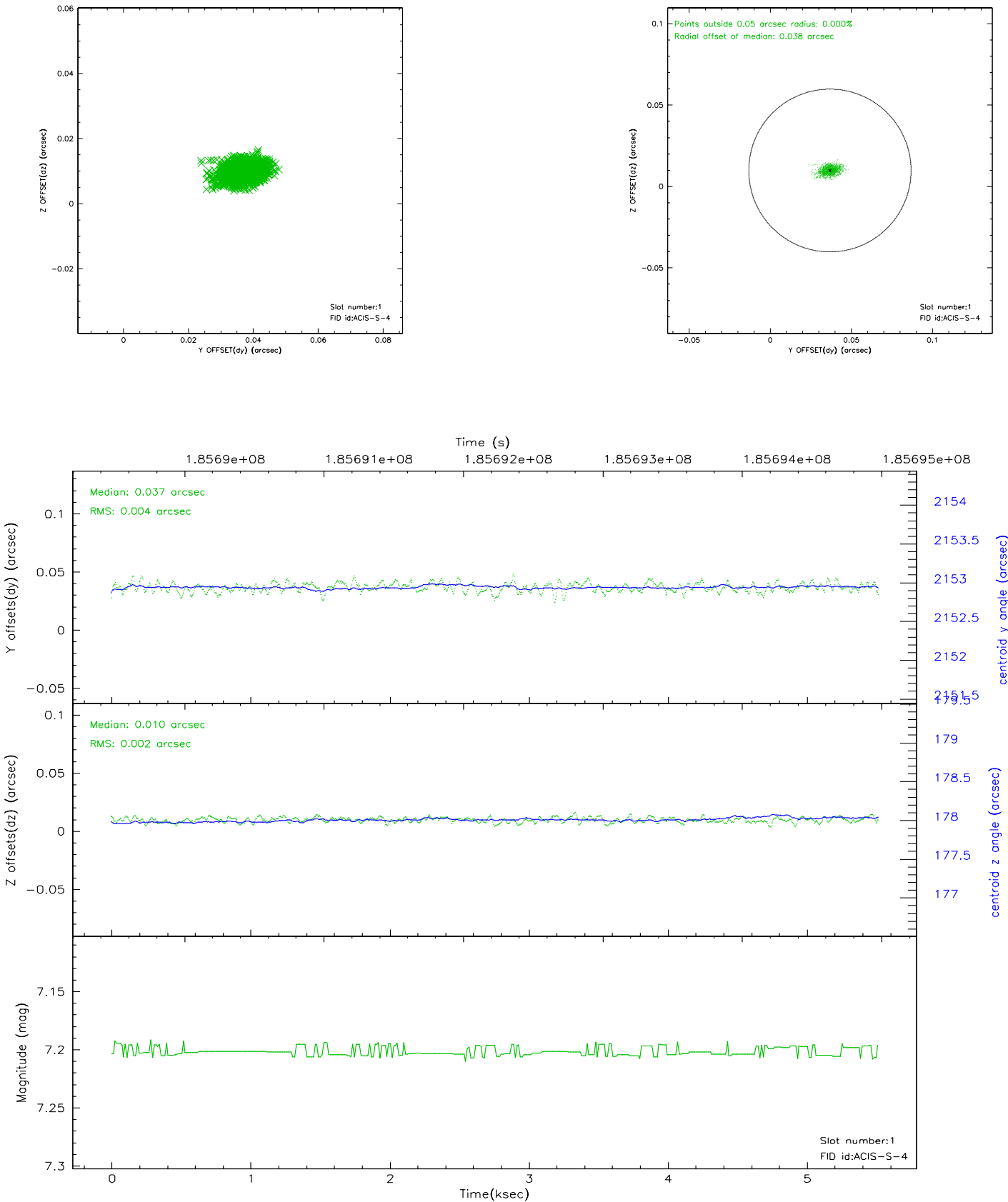


2.5 FID Slots

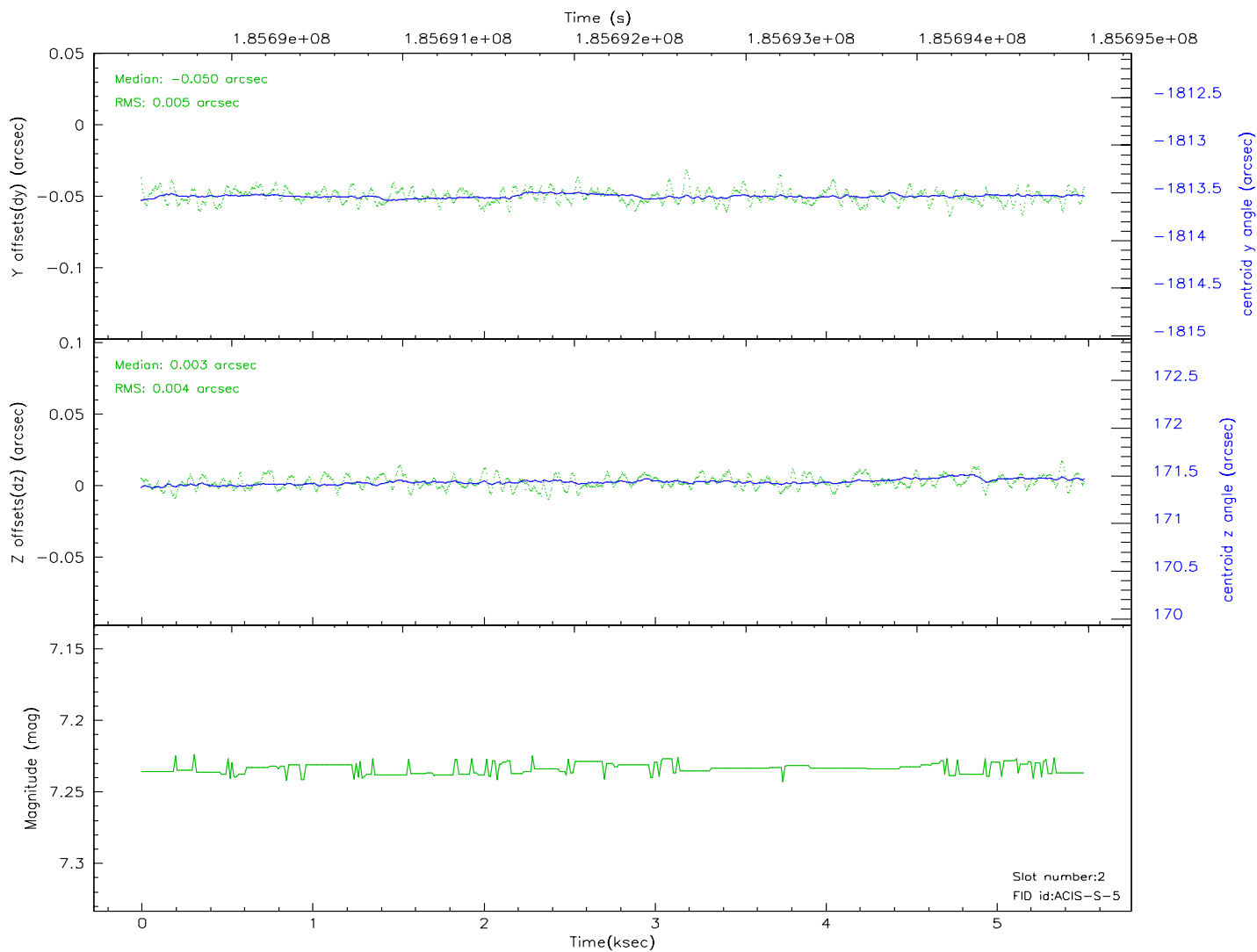
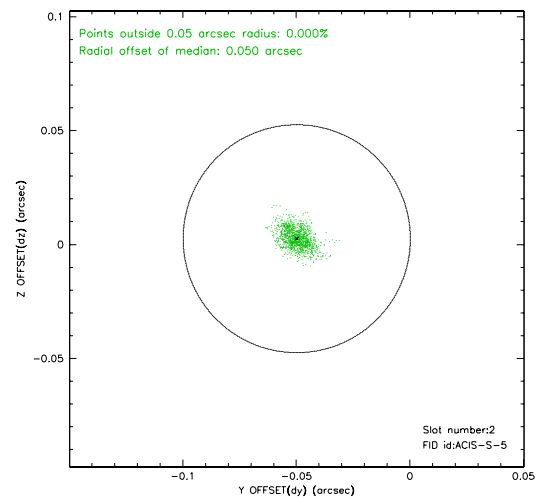
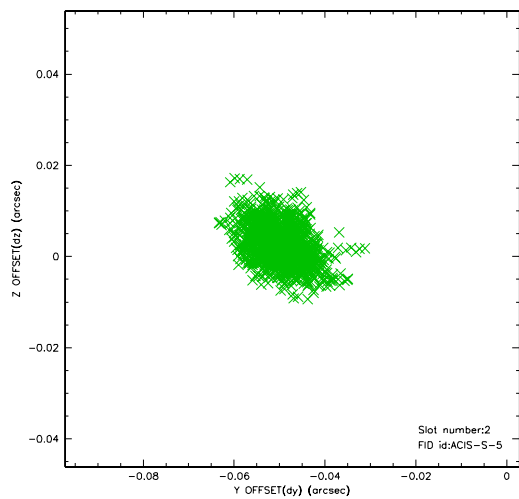
2.5.1 Slot 0



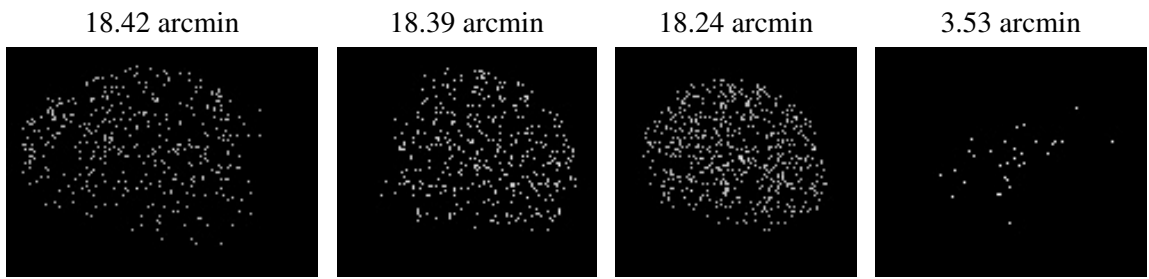
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.06.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.405

A.2 Comments

Window constraint met.