

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 4687 - L2 Version 002
Chandra X-Ray Center

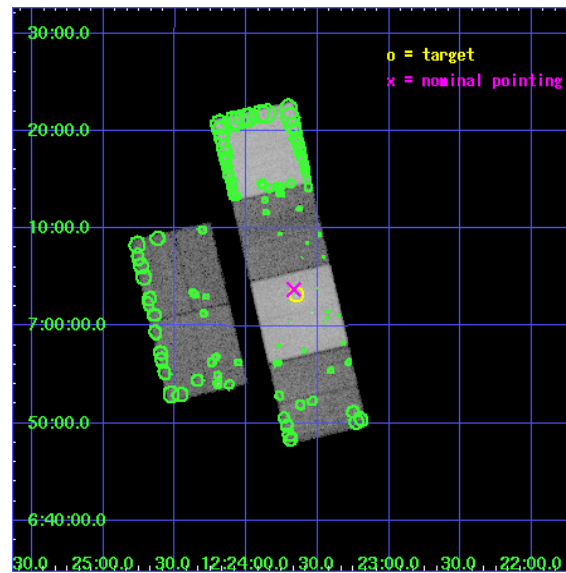
L2 Processing Date: Feb 22 2006

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1 Front

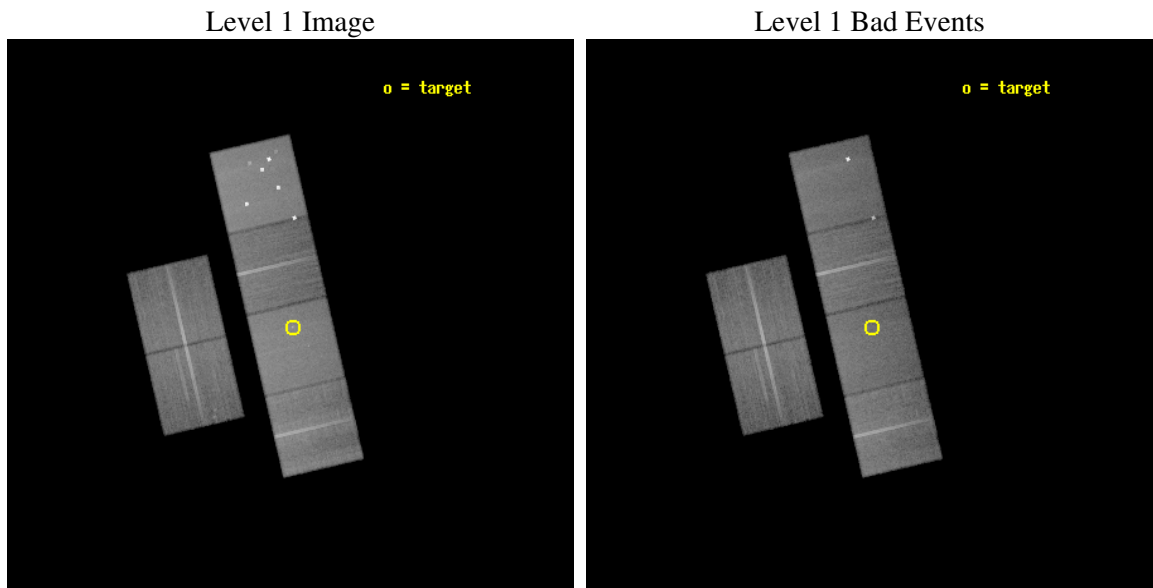
seq_num	600342
obs_id	4687
title	X-ray Census of Supermassive Black Holes: I. New Observations
observer	Dr. Michael Loewenstein
object	NGC 4342
dtcycle	0
cycle	P
ra_targ	185.912917
dec_targ	7.053889
ra_nom	185.91663395541
dec_nom	7.0622709375698
roll_nom	76.92257841096
revision	2
ontime	38751.999855638
livetime	38261.298699813
ontime2	38748.758865356
ontime3	38751.999855638
ontime5	38751.999855638
ontime6	38751.999855638
ontime7	38751.999855638
ontime8	38748.758865327
l2events	442727



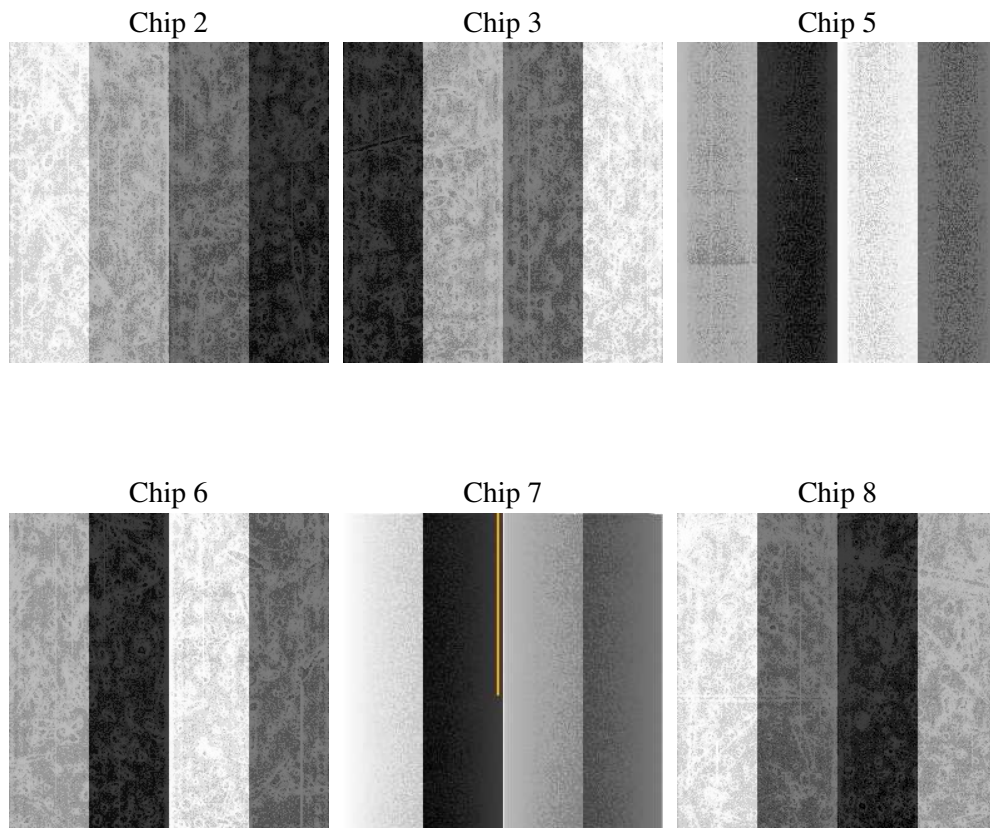
2 OBI

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	2006-02-23T00:44:29
revision	2

sched_exp_time	39000.000000
ontime	38759.28336364
ontime2	38756.042373359
ontime3	38759.28336364
ontime5	38759.28336364
ontime6	38759.28336364
ontime7	38759.28336364
ontime8	38756.042373329
l1events	2045547

2.1.4 Events

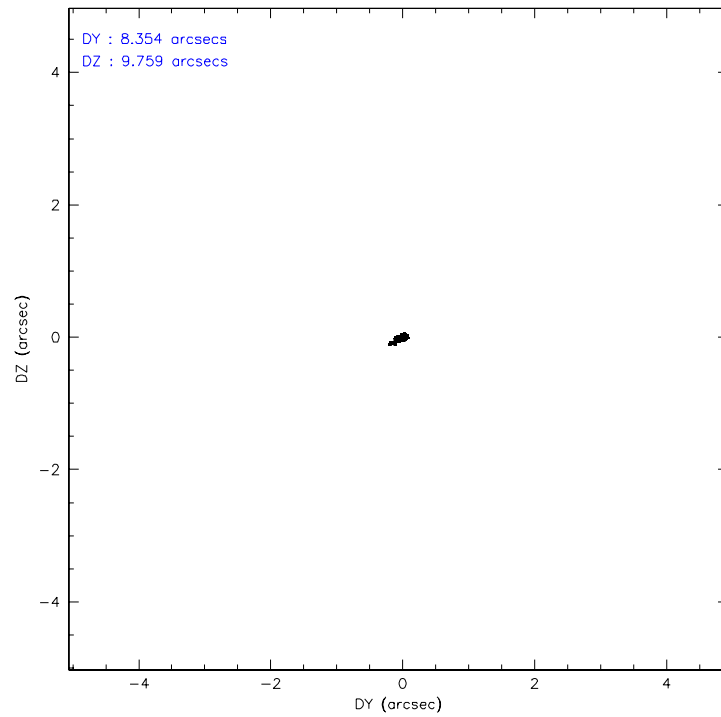
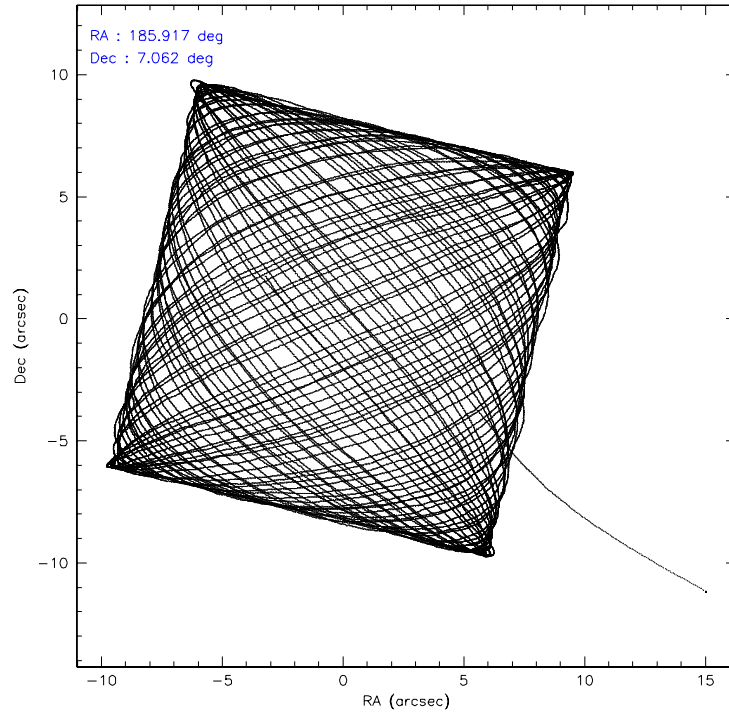
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	282136	271205	470982	281238	384901	355085
rejected events	249335	237879	246160	246938	233747	279322
rejected %	88%	87%	52%	87%	60%	78%

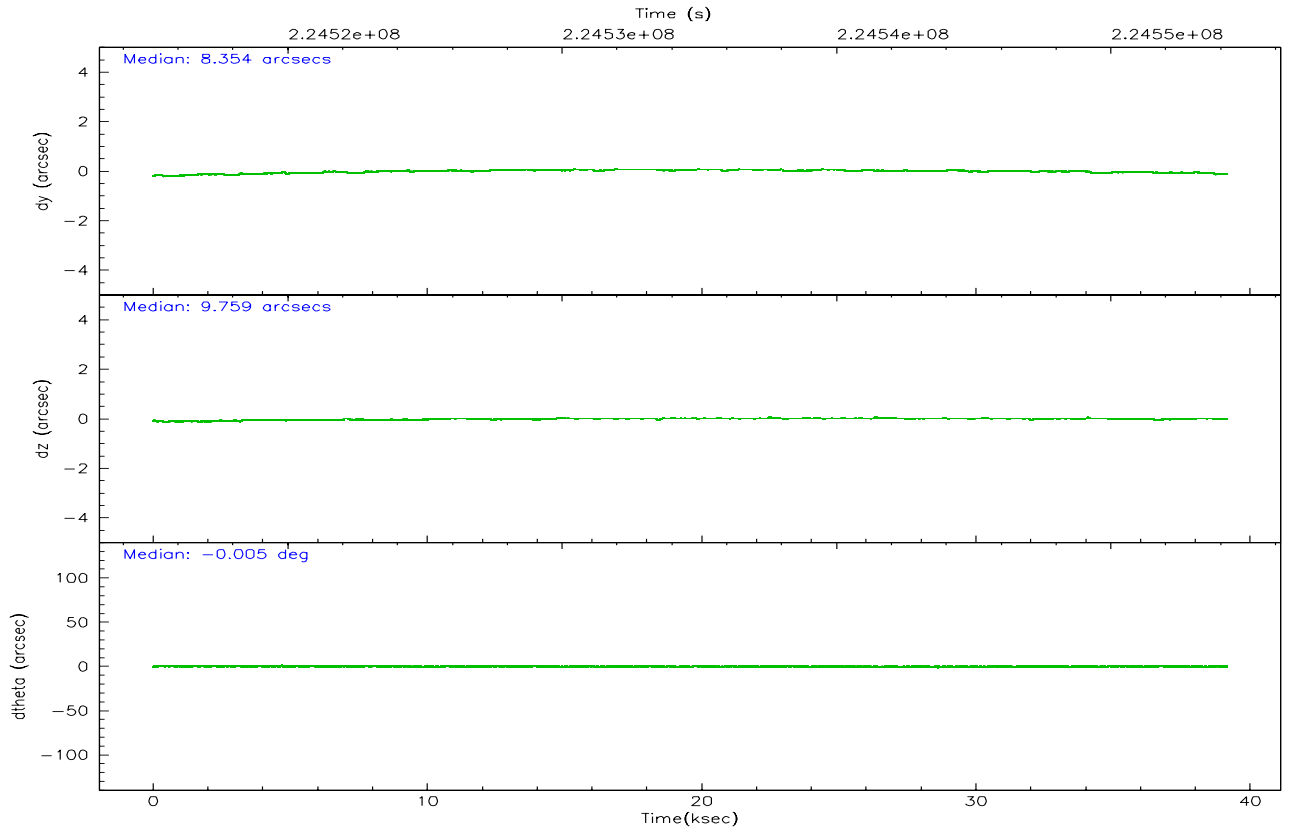
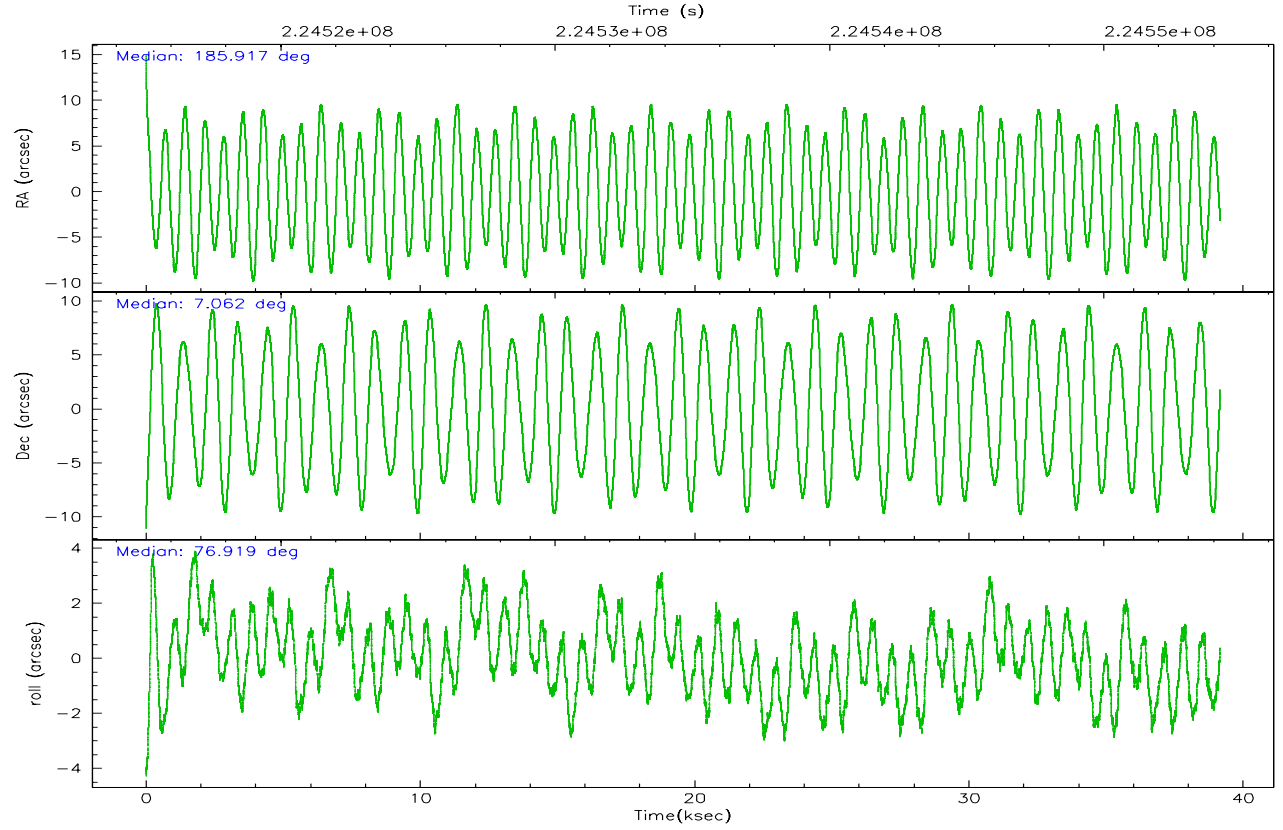
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	14564	14964	43982	13891	10266	24427
	5%	5%	9%	4%	2%	6%
grade 1 events	179	188	821	118	255	249
	0%	0%	0%	0%	0%	0%
grade 2 events	6737	6354	59373	7228	37346	16696
	2%	2%	12%	2%	9%	4%
grade 3 events	3020	3186	5599	3258	7810	7856
	1%	1%	1%	1%	2%	2%
grade 4 events	3021	3151	4426	3174	7623	7156
	1%	1%	0%	1%	1%	2%
grade 5 events	11123	12236	23959	13142	24383	16880
	3%	4%	5%	4%	6%	4%
grade 6 events	5464	5677	111484	6754	88141	19630
	1%	2%	23%	2%	22%	5%
grade 7 events	238028	225449	221338	233673	209077	262191
	84%	83%	46%	83%	54%	73%

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	185.924973	185.9166339554101	Alternating exposures requested	N	N
Pointing Dec	7.036351	7.062270937569805	Primary exposure time	0.000000	3.2
Pointing Roll	76.764931	76.9225784109602			
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	224515248.184000	224514182.67405			
Observation start date	2005-02-11T13:19:44	2005-02-11T13:03:02			
Observation end time	224554248.184000	224554570.75087			
Observation end date	2005-02-12T00:09:44	2005-02-12T00:16:10			
Read mode	TIMED	TIMED			

2.3 Aspect



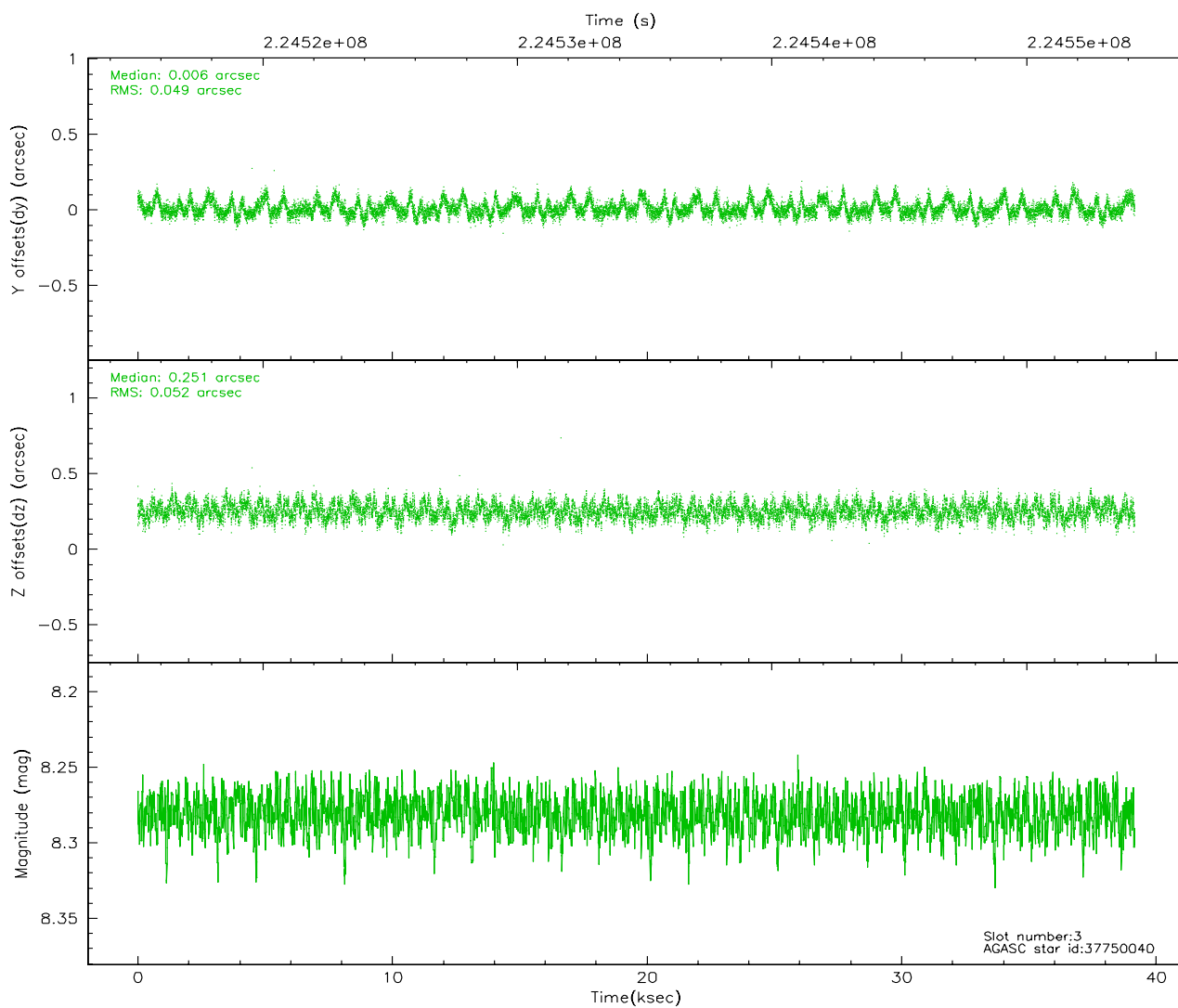
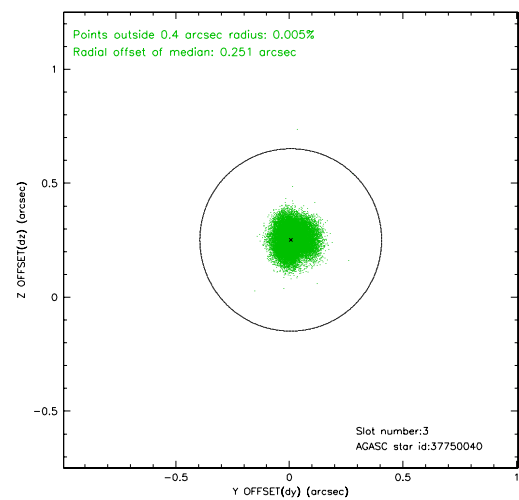
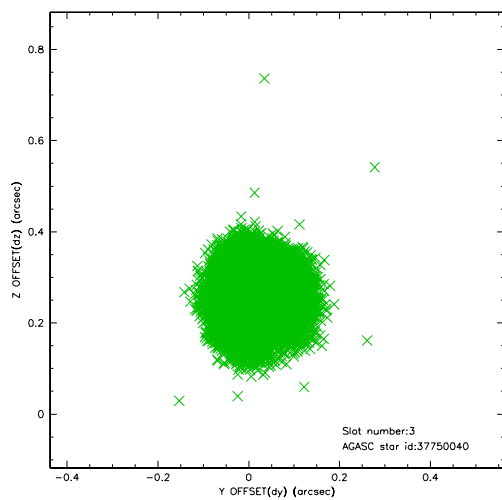


Slot Statistics

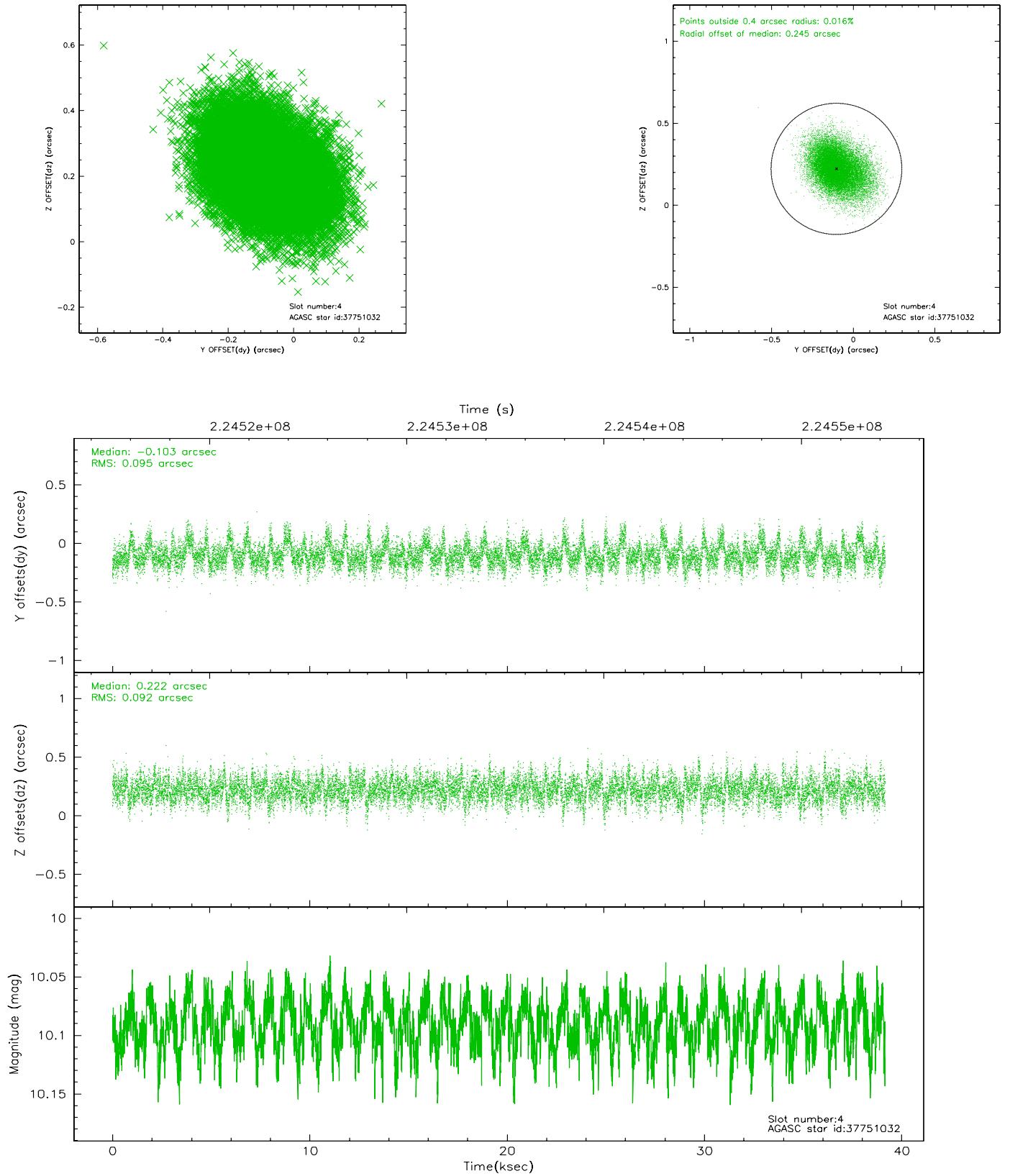
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	9553	-0.028	-0.013	0.006	0.011	0.000000	0.000000	-761.12	-1731.02
1	FID	ACIS-S-4	7.21	9553	0.088	0.017	0.006	0.012	0.000000	0.000000	2152.22	177.54
2	FID	ACIS-S-5	7.23	9552	-0.091	0.005	0.007	0.011	0.000000	0.000000	-1814.04	171.13
3	GUIDE	37750040	8.28	19102	0.006	0.251	0.078	0.120	186.217544	6.363680	-2117.15	-1572.98
4	GUIDE	37751032	10.09	19091	-0.103	0.222	0.138	0.234	186.355124	7.277238	1196.53	-1296.07
5	GUIDE	37751880	9.65	19081	0.193	-0.130	0.092	0.150	185.771871	6.844190	-798.33	374.43
6	GUIDE	37756464	9.11	19102	0.137	-0.191	0.099	0.163	185.231345	6.571910	-2193.78	2032.46
7	GUIDE	114434008	8.76	19096	-0.246	-0.153	0.083	0.133	185.534773	7.569663	1550.30	1795.73

2.4 Star Slots

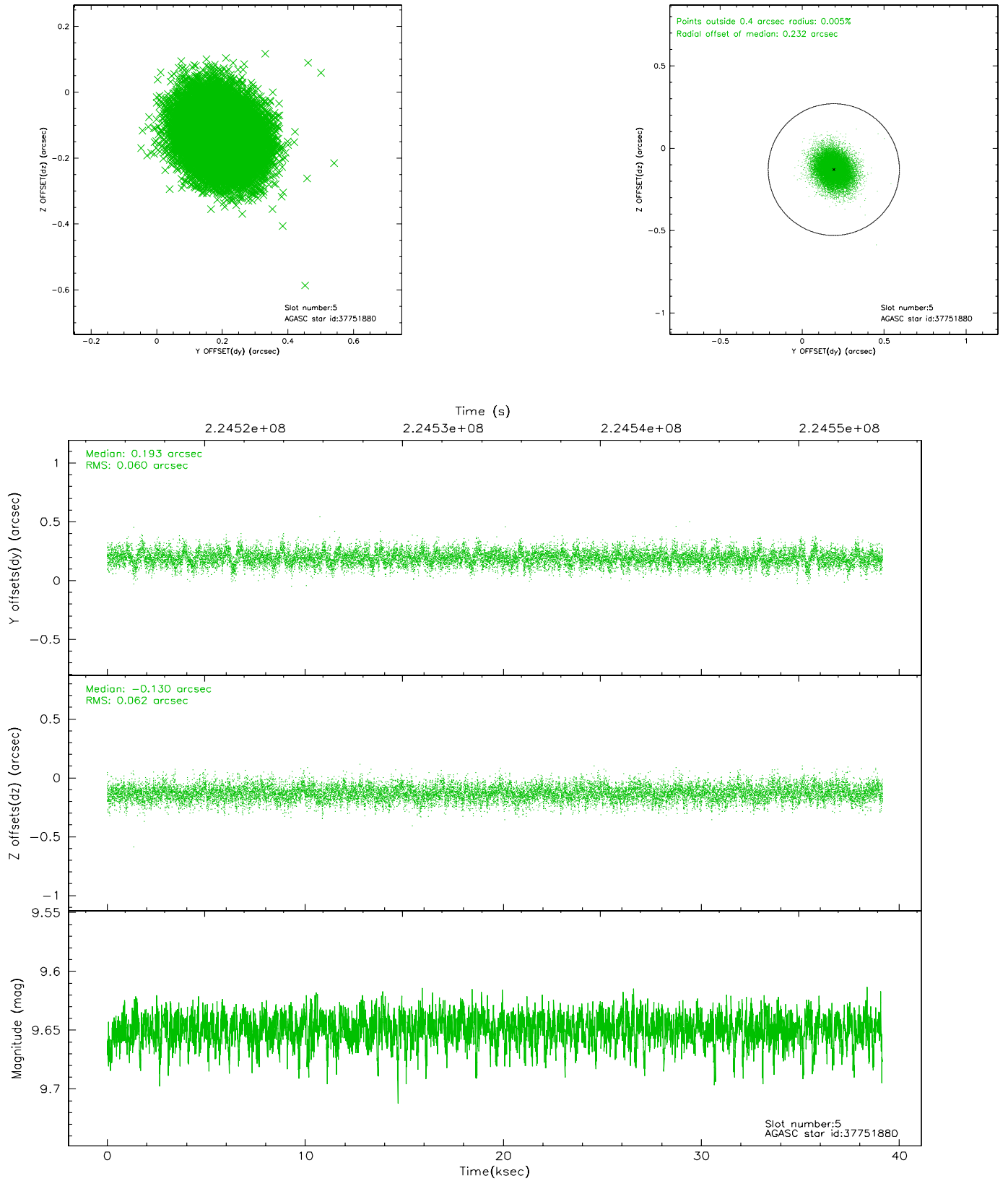
2.4.1 Slot 3



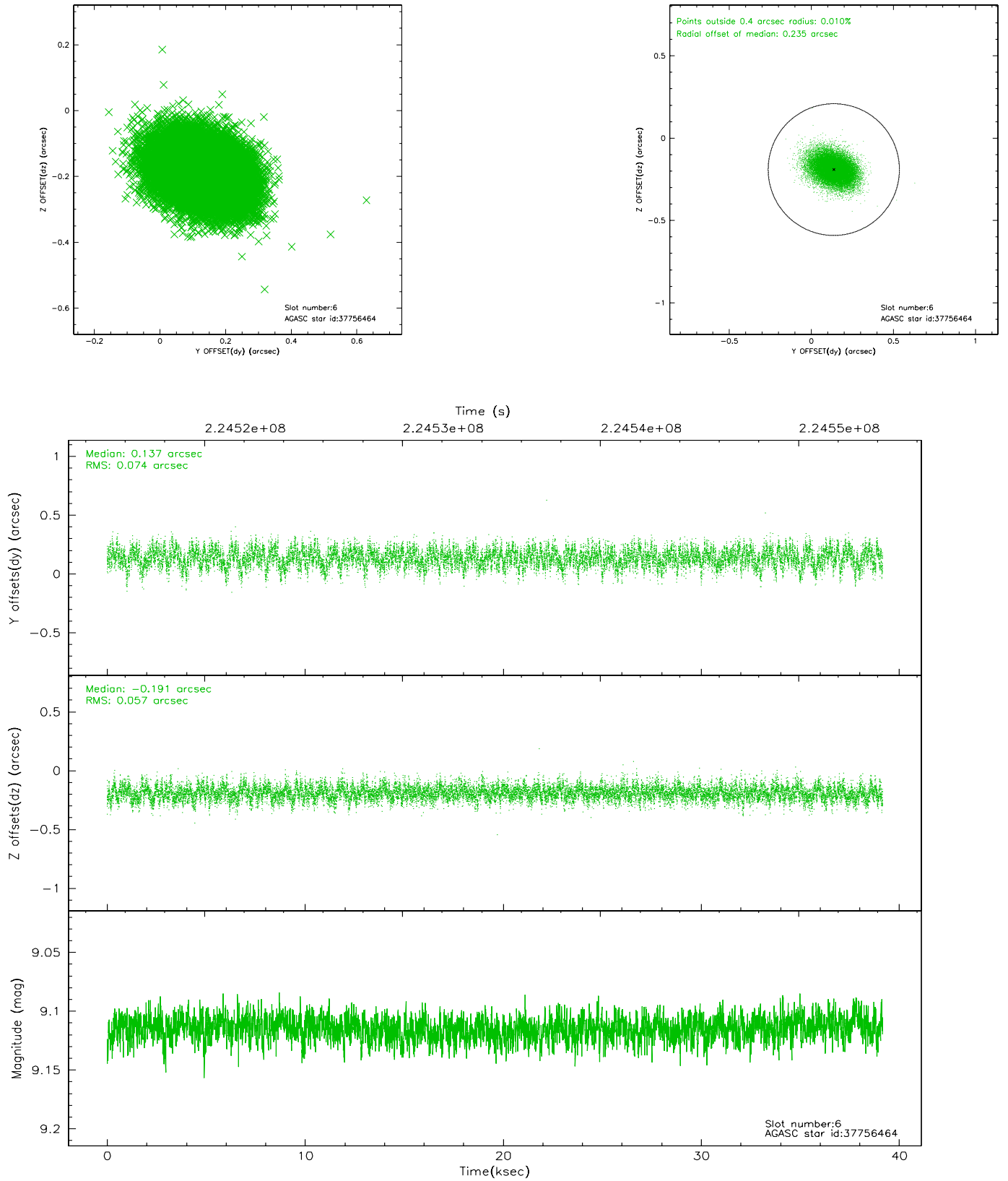
2.4.2 Slot 4



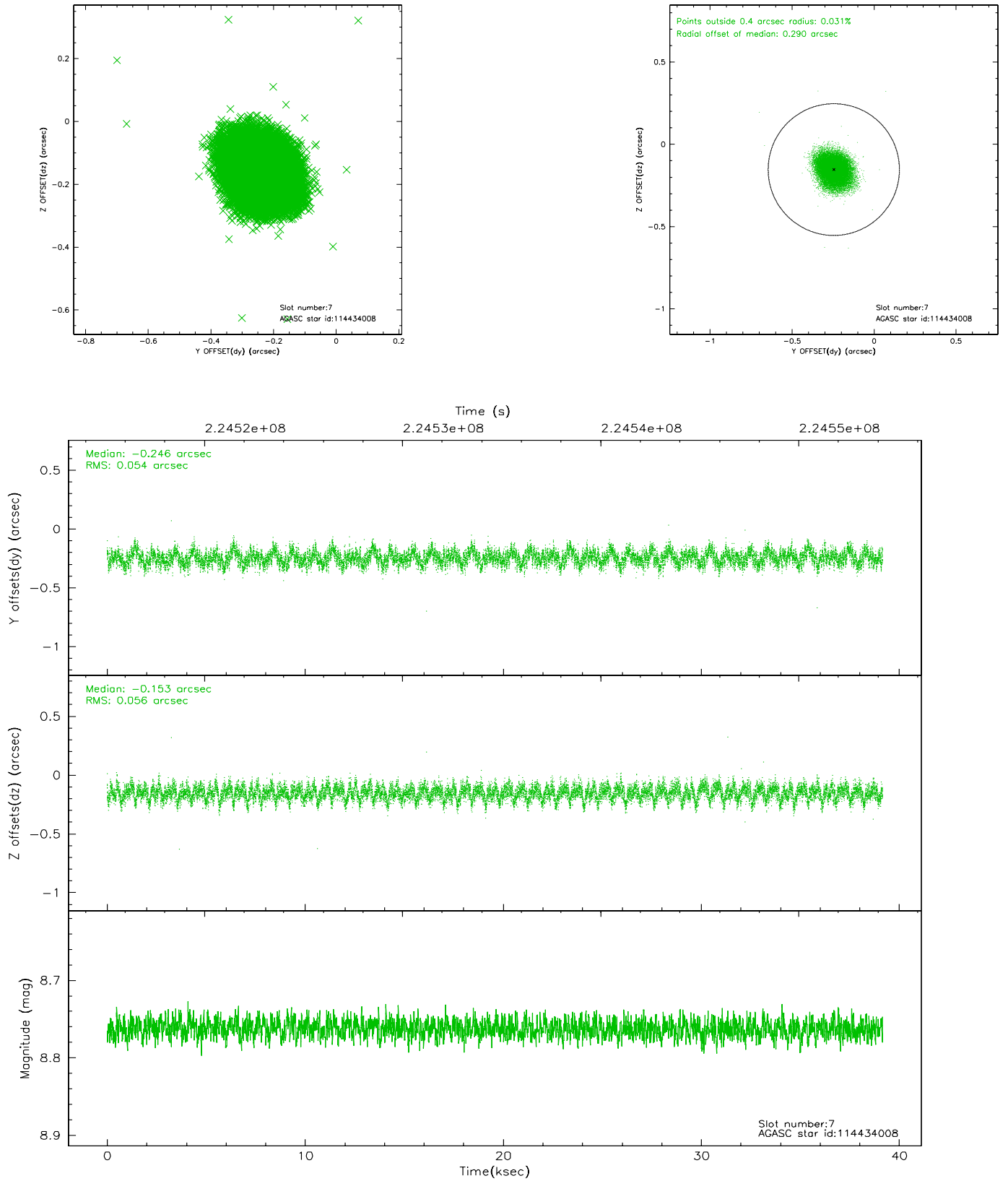
2.4.3 Slot 5



2.4.4 Slot 6

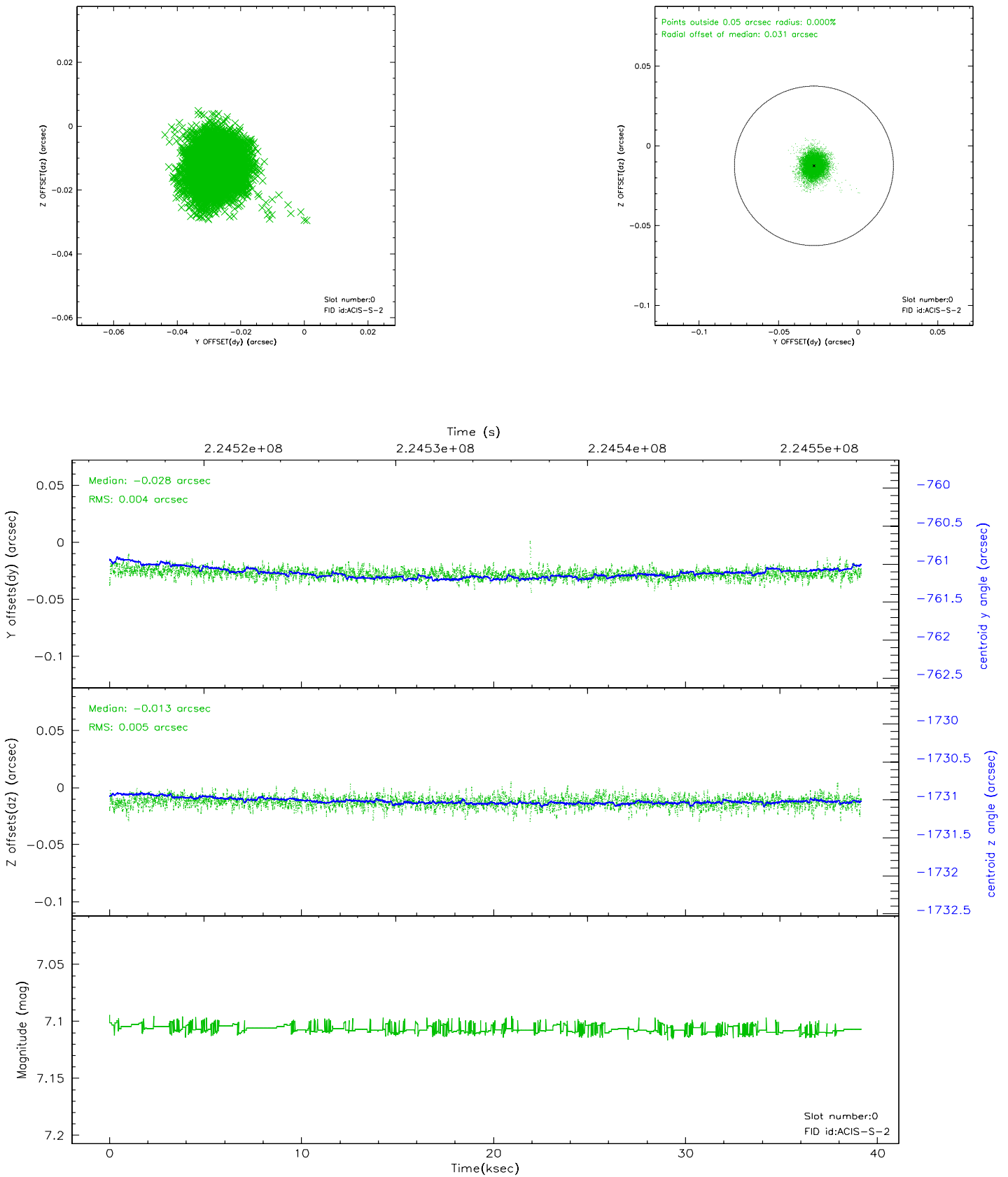


2.4.5 Slot 7

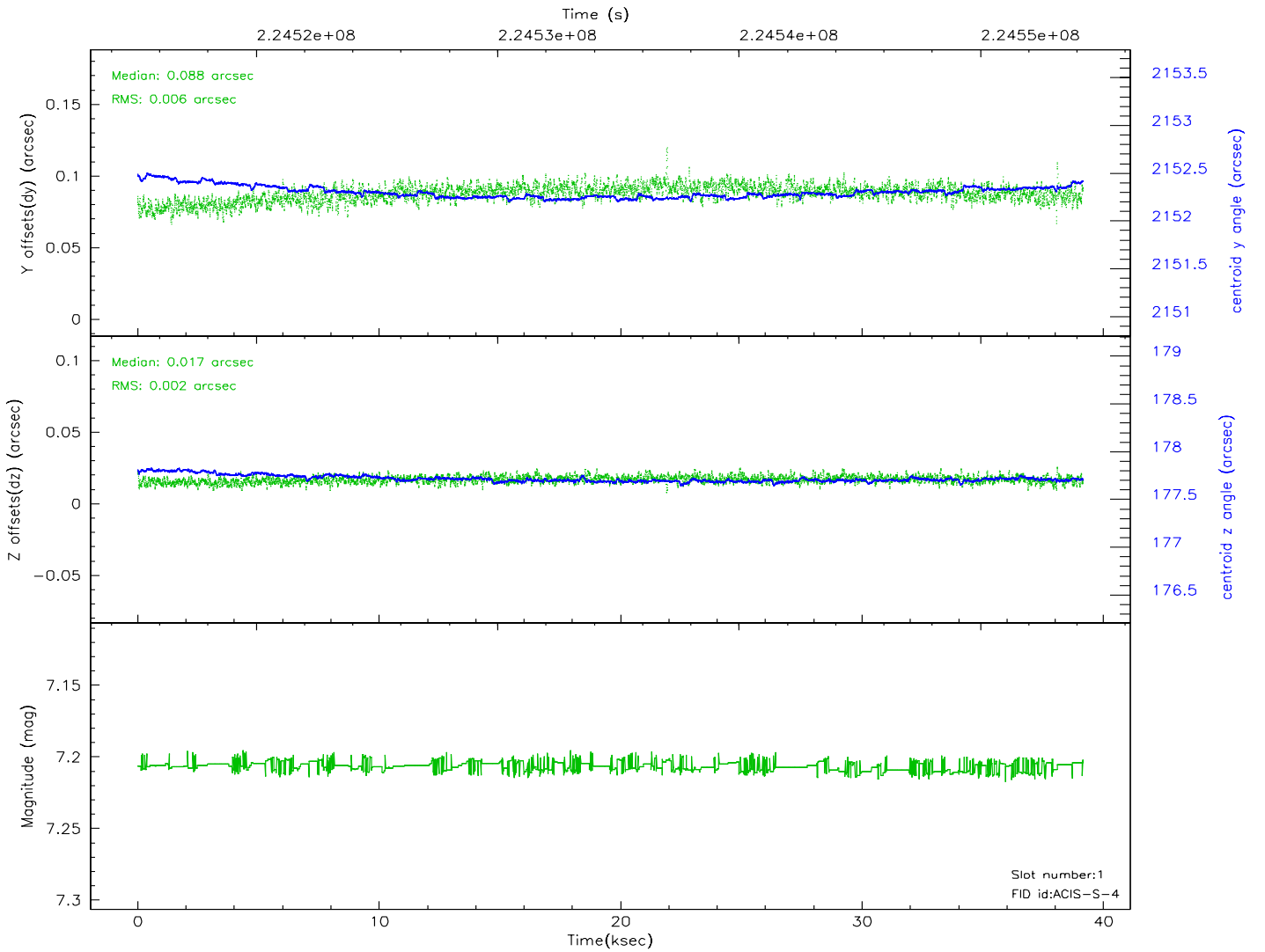
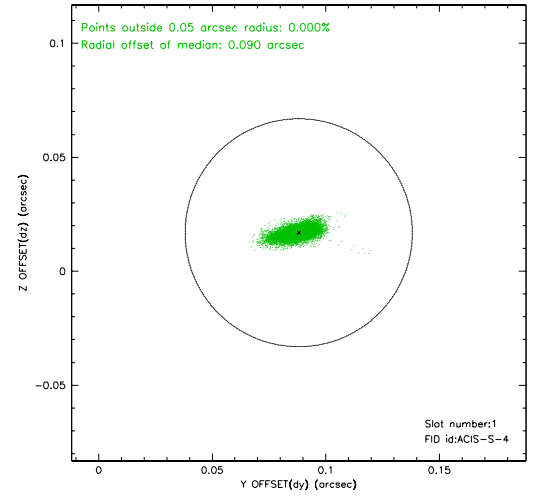
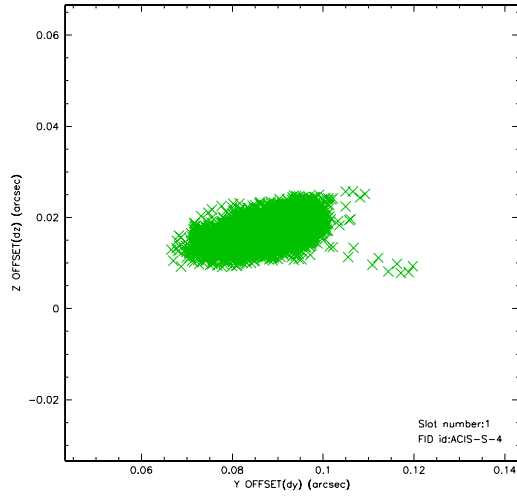


2.5 FID Slots

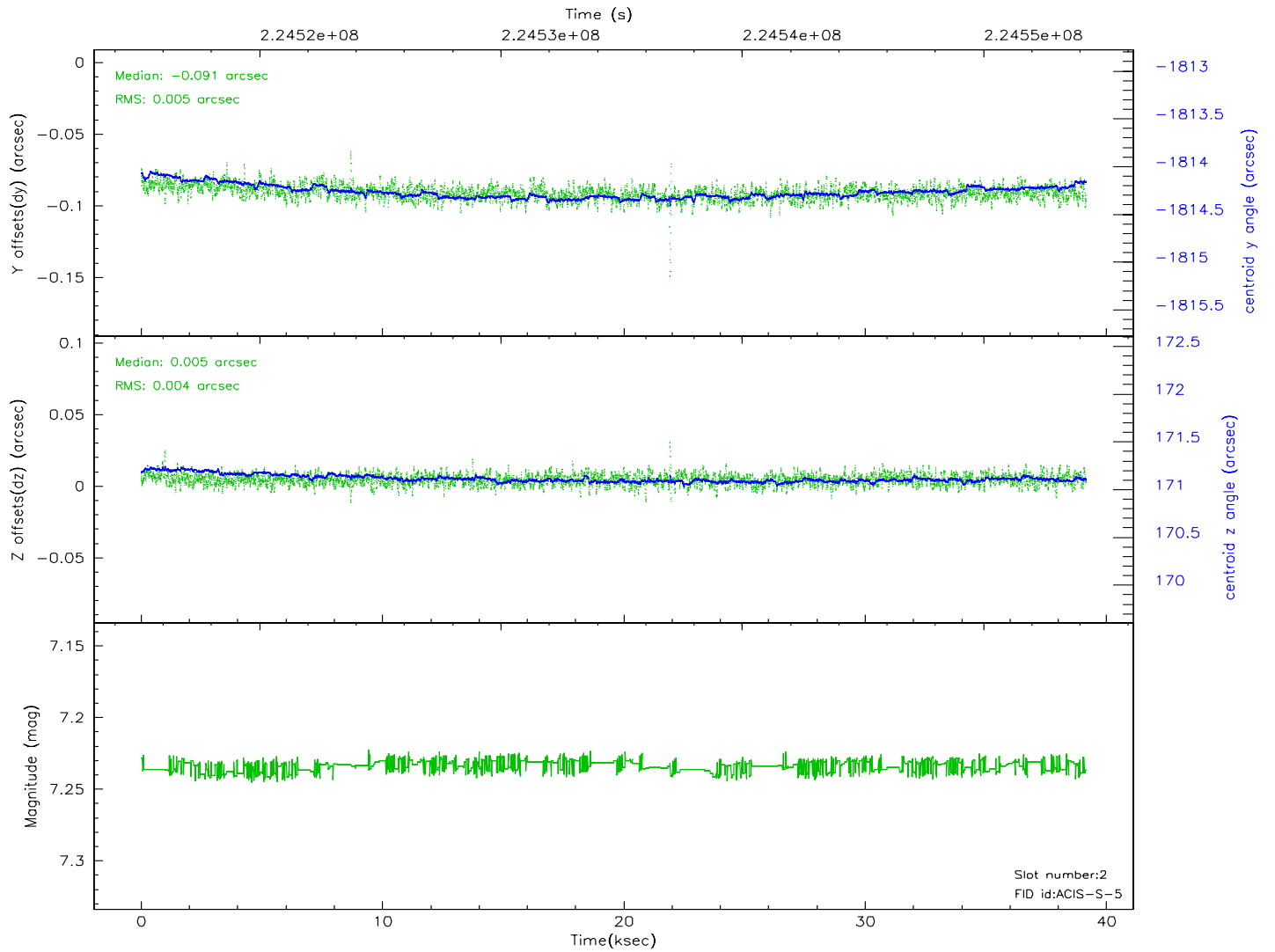
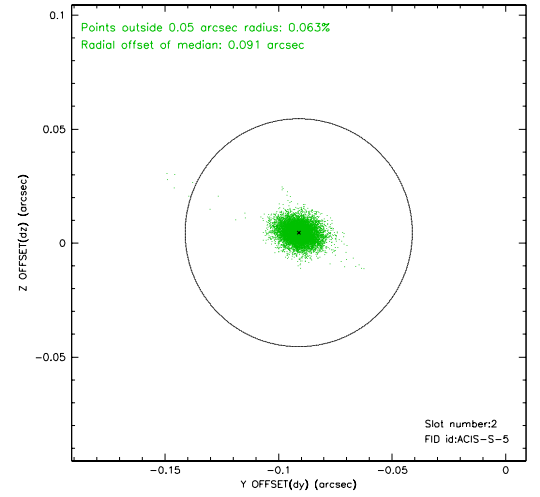
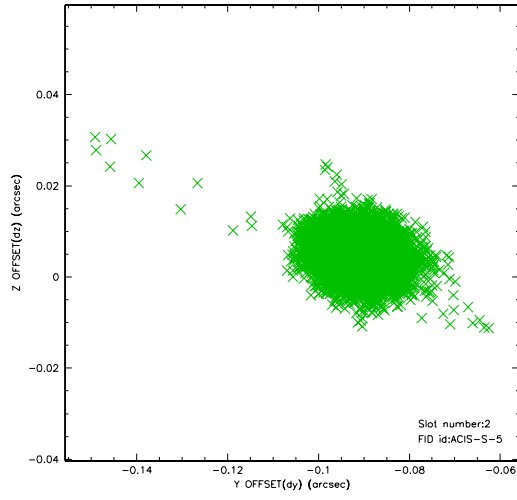
2.5.1 Slot 0



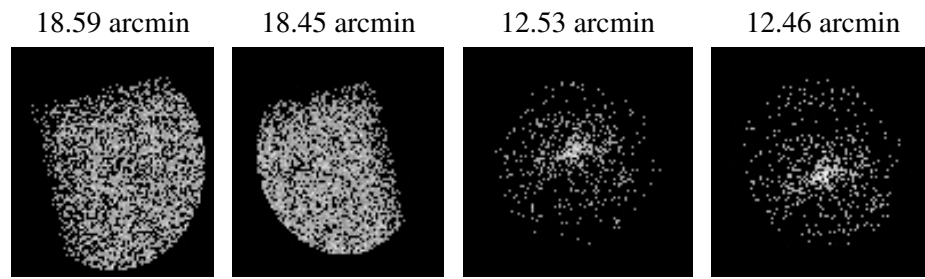
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.02.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.75199

A.2 Comments