

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2565 - L2 Version 001
Chandra X-Ray Center

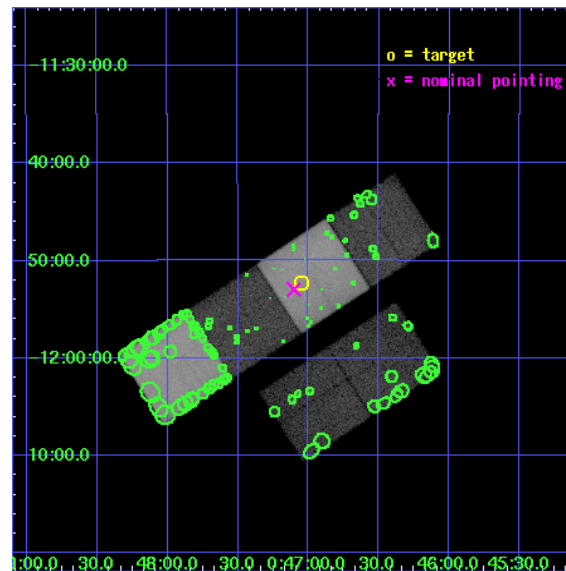
L2 Processing Date : Oct 7 2006

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1 Front

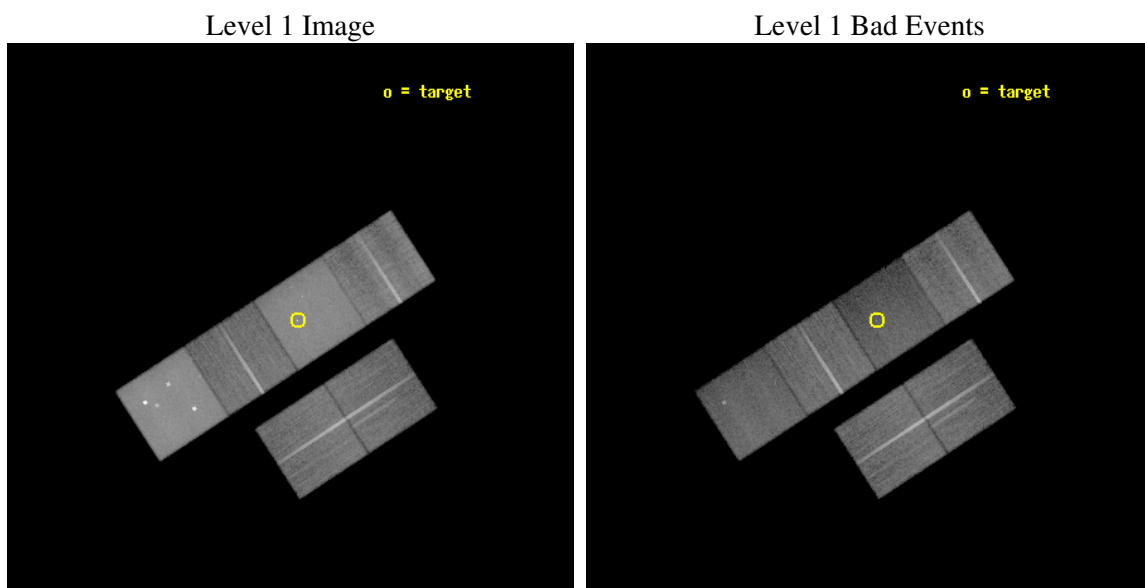
seq_num	200173
obs_id	2565
title	A CHANDRA STUDY OF THE PLANETARY NEBULA NGC 246
observer	DR. ANDREW SZENTGYORGYI
object	NGC 246
dtcycle	0
cycle	P
ra_targ	11.7625
dec_targ	-11.872222
ra_nom	11.775711686045
dec_nom	-11.882680325617
roll_nom	326.99404313534
revision	2
ontime	40943.999847472
livetime	40425.542267886
ontime2	40937.517886907
ontime3	40940.758847266
ontime5	40943.999847472
ontime6	40937.517886907
ontime7	40943.999847472
ontime8	40937.517906904
l2events	583103



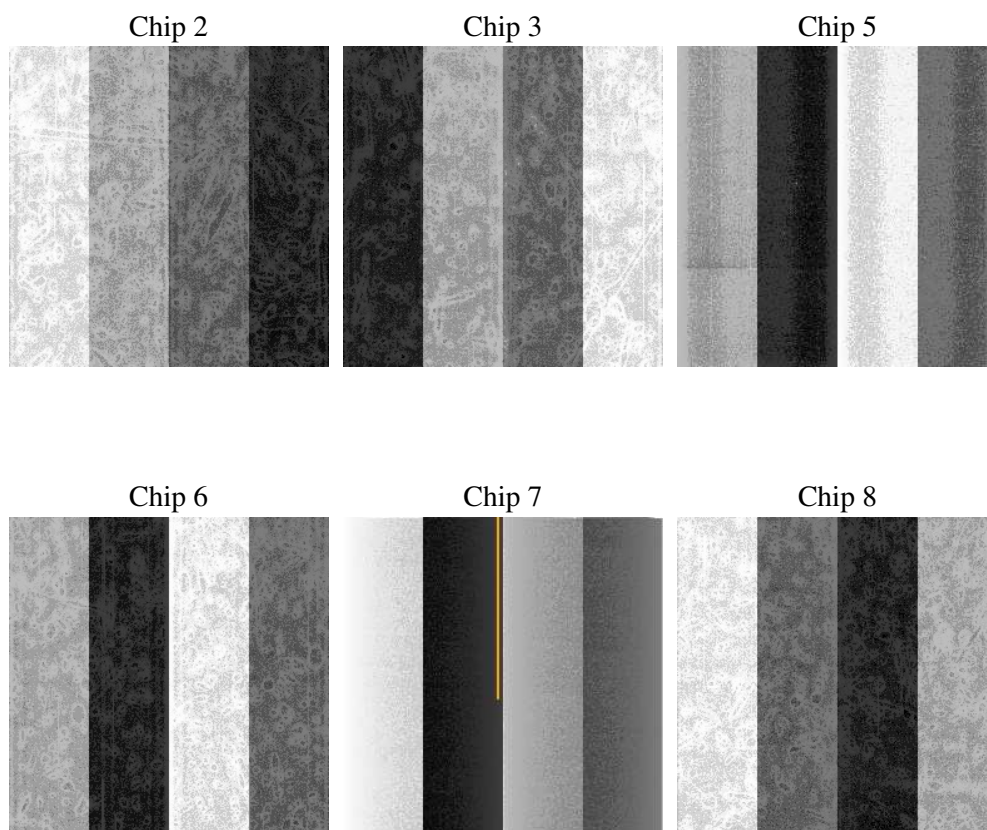
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.3
date	2006-10-07T13:23:00
revision	2

sched_exp_time	40981.612000
ontime	40950.146040648
ontime2	40943.664080083
ontime3	40946.905040443
ontime5	40950.146060586
ontime6	40943.664080083
ontime7	40950.146040648
ontime8	40943.664100081
l1events	1630925

2.1.4 Events

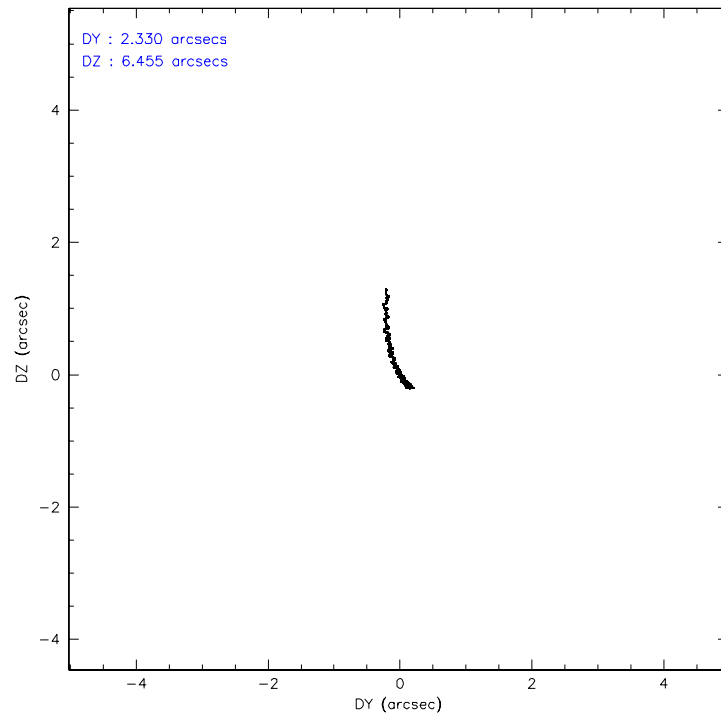
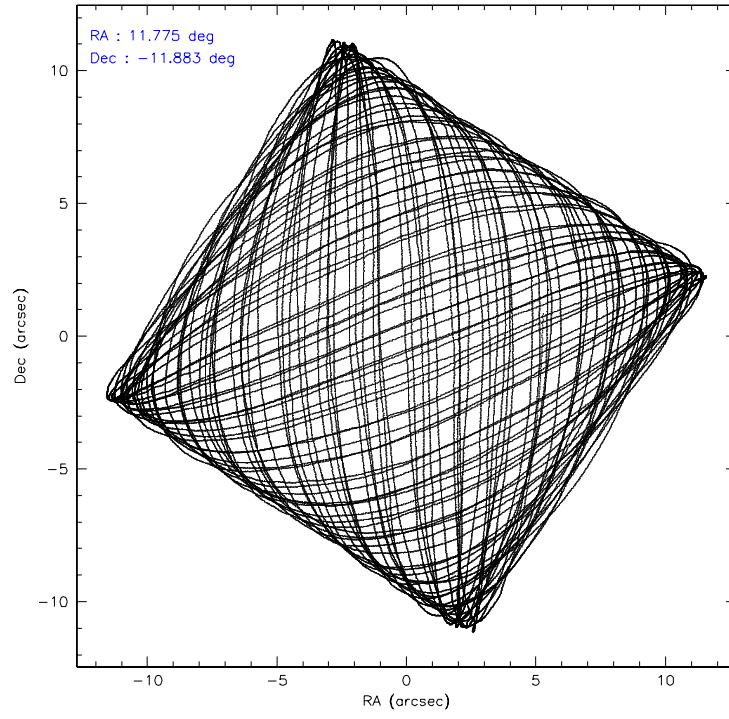
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	221807	195982	413136	212417	336015	251568
rejected events	195226	171344	132363	178278	107334	184553
rejected %	88%	87%	32%	83%	31%	73%

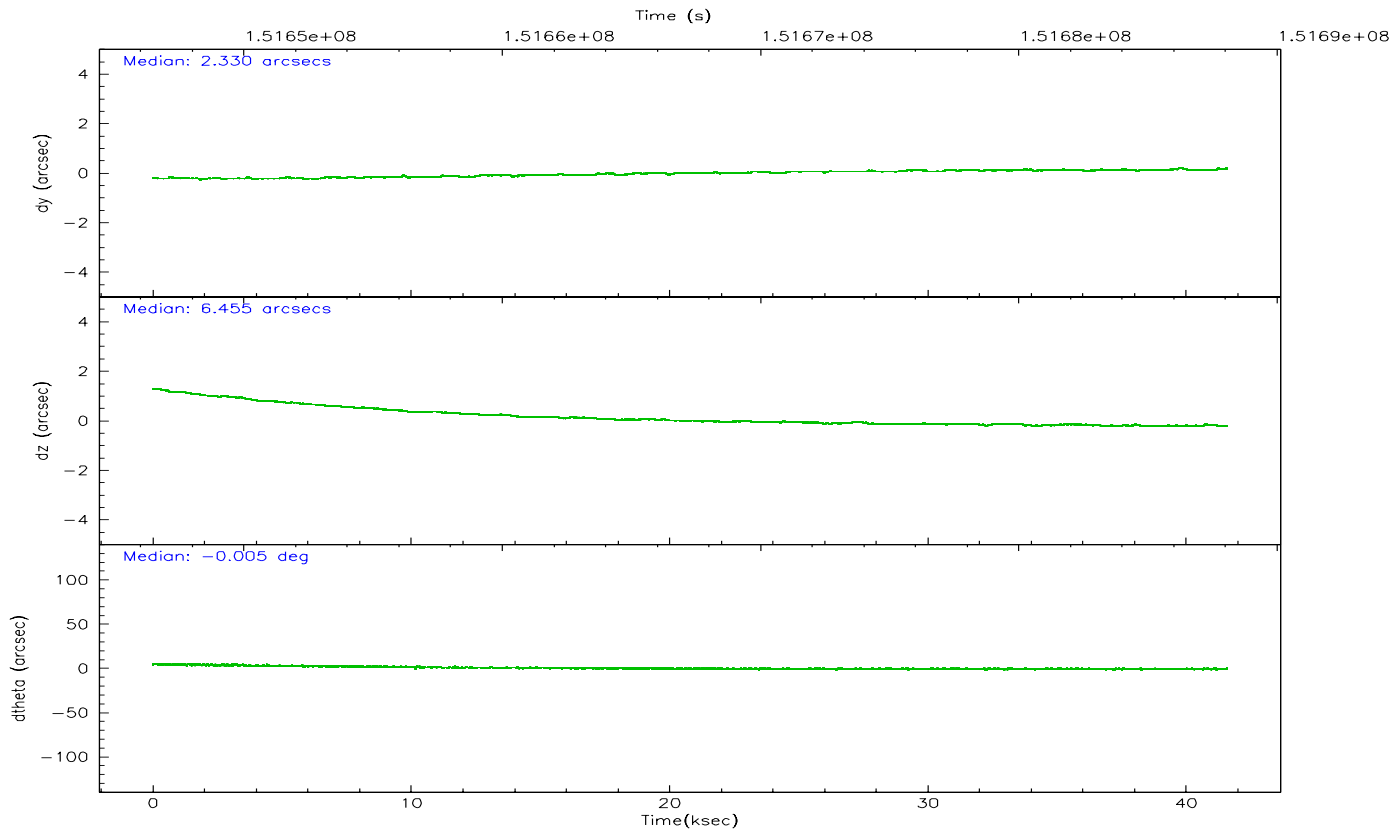
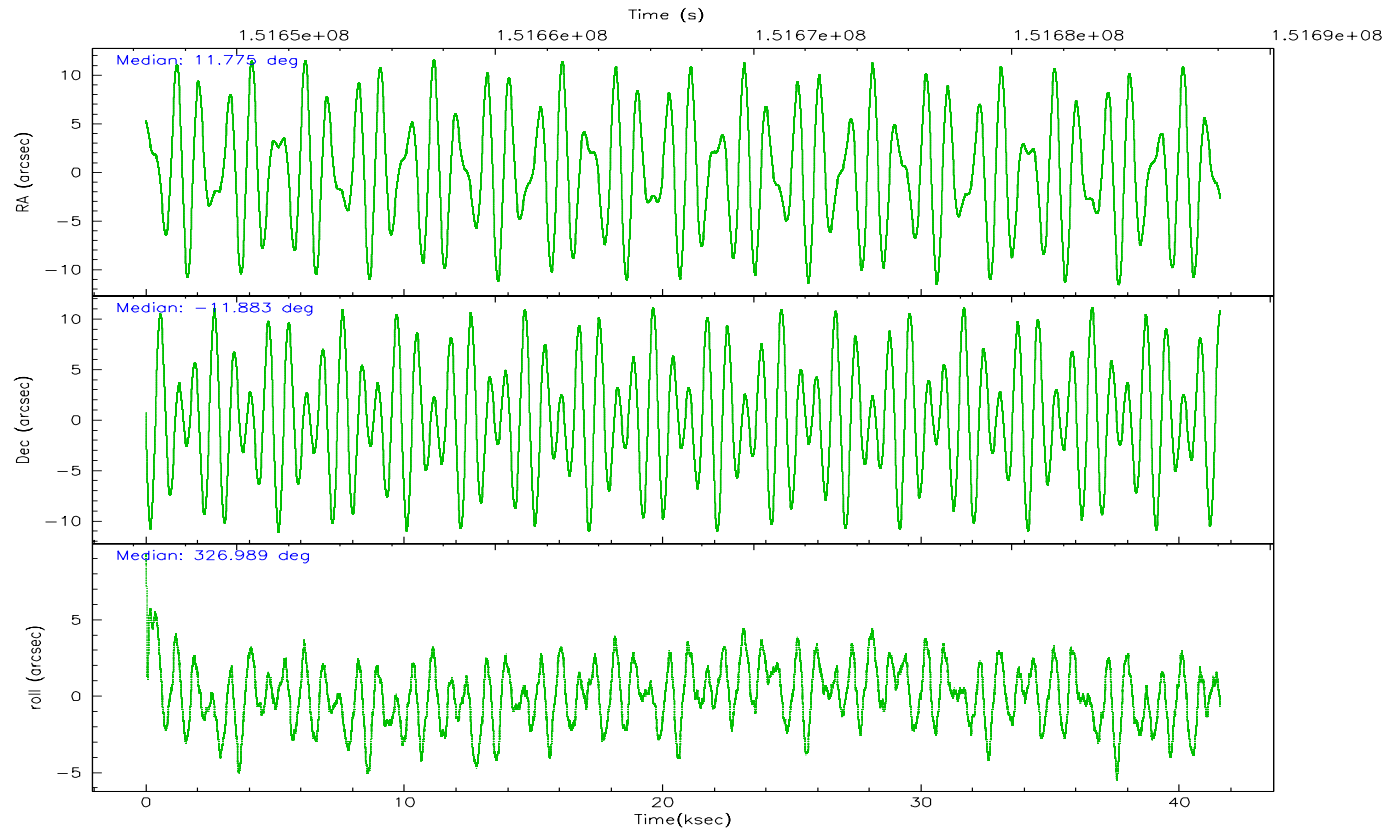
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	13308	12309	45871	19358	22938	26148
	5%	6%	11%	9%	6%	10%
grade 1 events	118	123	813	127	149	186
	0%	0%	0%	0%	0%	0%
grade 2 events	5066	4354	86254	5565	52219	13290
	2%	2%	20%	2%	15%	5%
grade 3 events	2372	2272	11824	2483	15010	6484
	1%	1%	2%	1%	4%	2%
grade 4 events	2347	2264	11573	2540	14746	6010
	1%	1%	2%	1%	4%	2%
grade 5 events	5548	6023	14849	6554	15747	9471
	2%	3%	3%	3%	4%	3%
grade 6 events	3491	3440	125305	4199	123812	15087
	1%	1%	30%	1%	36%	5%
grade 7 events	189557	165197	116647	171591	91394	174892
	85%	84%	28%	80%	27%	69%

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	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	11.747893	11.77571168604533	Subarray requested	NONE	NONE
Pointing Dec	-11.881599	-11.88268032561739	Alternating exposures requested	N	N
Pointing Roll	326.831681	326.9940431353415	Primary exposure time	0.000000	3.2
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	151647084.184000	151645912.7123			
Observation start date	2002-10-22T04:10:20	2002-10-22T03:51:52			
Observation end time	151688066.184000	151688380.51406			
Observation end date	2002-10-22T15:33:22	2002-10-22T15:39:40			
Read mode	TIMED	TIMED			

2.3 Aspect



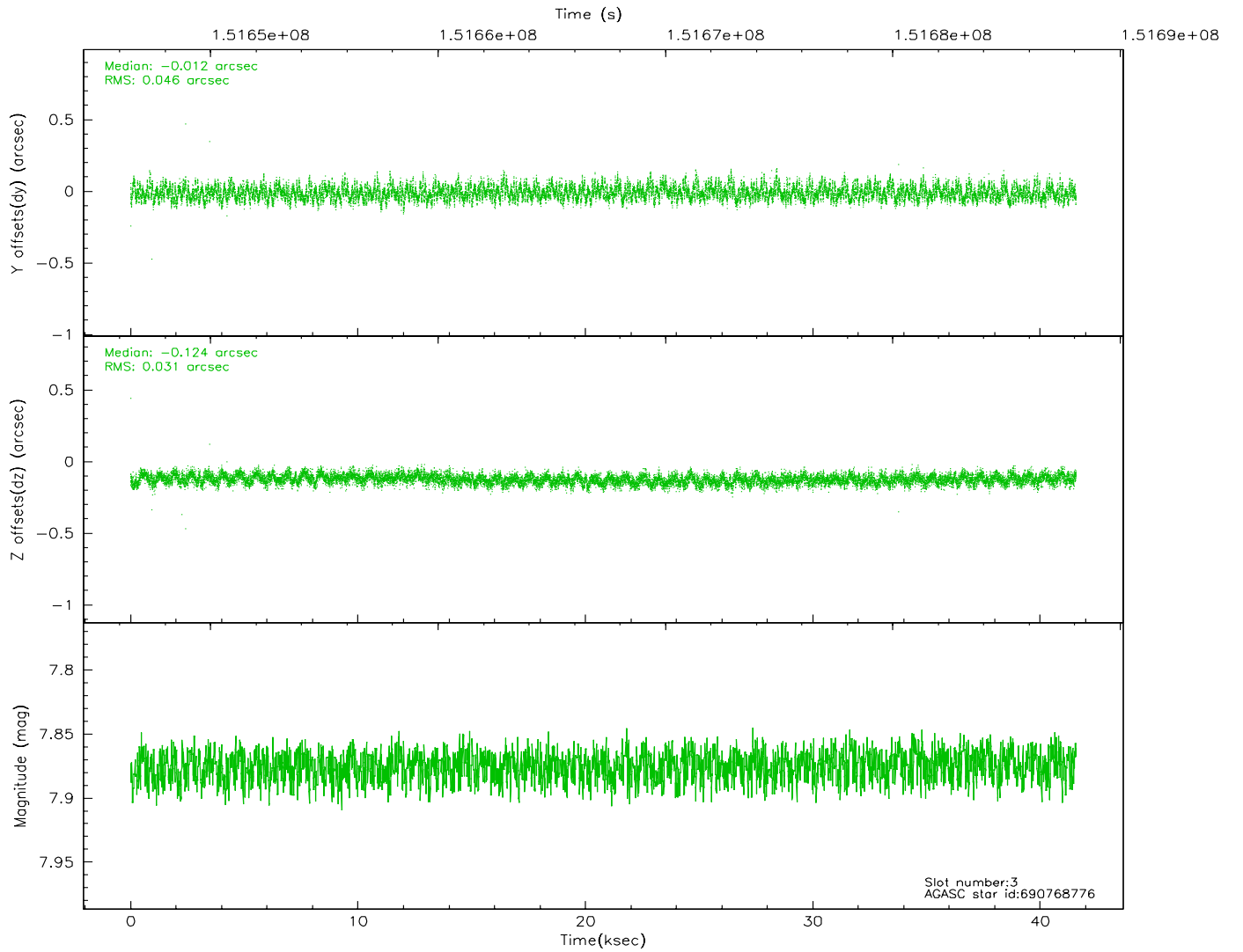
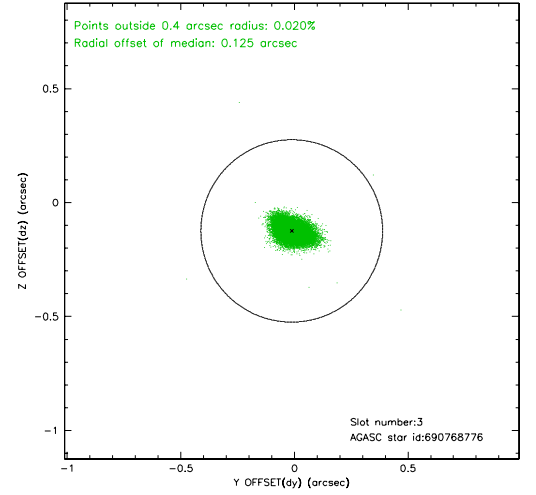
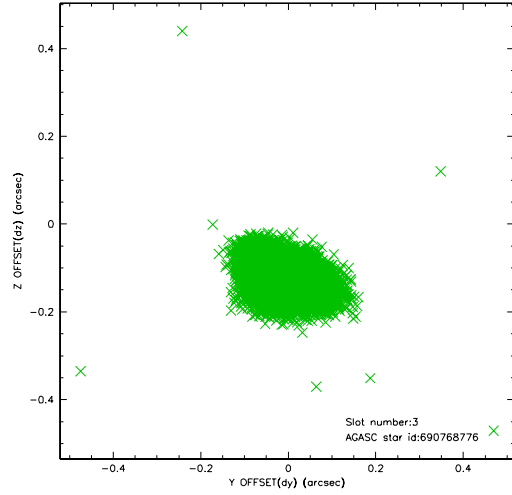


Slot Statistics

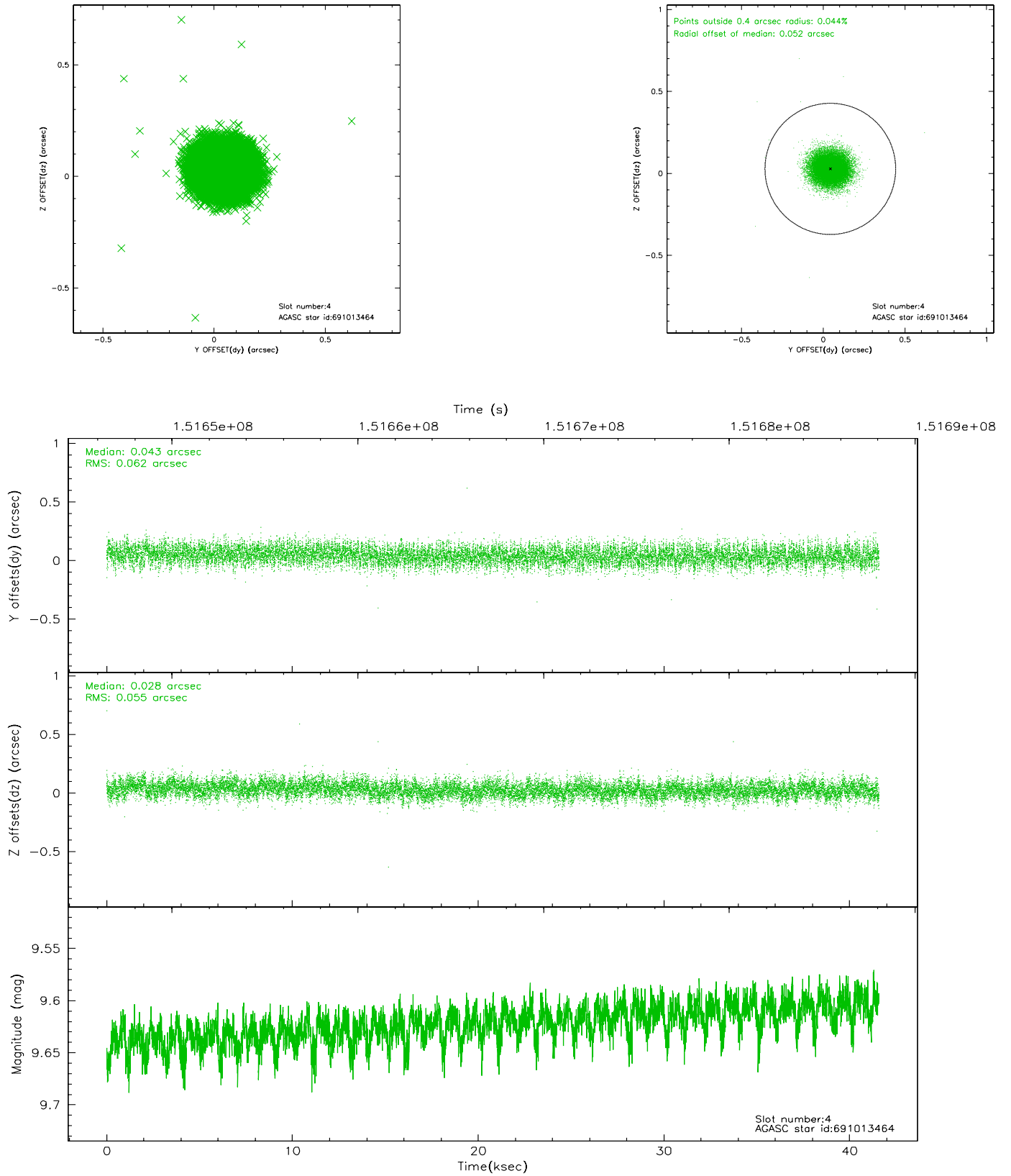
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	10143	-0.028	0.027	0.011	0.021	0.000000	0.000000	-754.94	-1727.71
1	FID	ACIS-S-4	7.21	10142	-0.055	0.006	0.009	0.018	0.000000	0.000000	2158.28	180.78
2	FID	ACIS-S-5	7.24	10140	0.052	-0.024	0.013	0.025	0.000000	0.000000	-1807.72	174.38
3	GUIDE	690768776	7.87	20282	-0.012	-0.124	0.058	0.097	11.742148	-11.162917	-1431.75	2154.36
4	GUIDE	691013464	9.62	20273	0.043	0.028	0.089	0.141	12.423638	-11.682167	1603.75	1902.22
5	GUIDE	691020760	9.27	20273	0.088	0.157	0.076	0.123	12.351590	-11.753742	1531.53	1547.85
6	GUIDE	690889992	7.09	20285	0.047	-0.063	0.058	0.093	11.248130	-12.144345	-952.70	-1755.55
7	GUIDE	690887376	8.89	20280	-0.167	0.003	0.085	0.133	10.839680	-12.086987	-2267.86	-2372.85

2.4 Star Slots

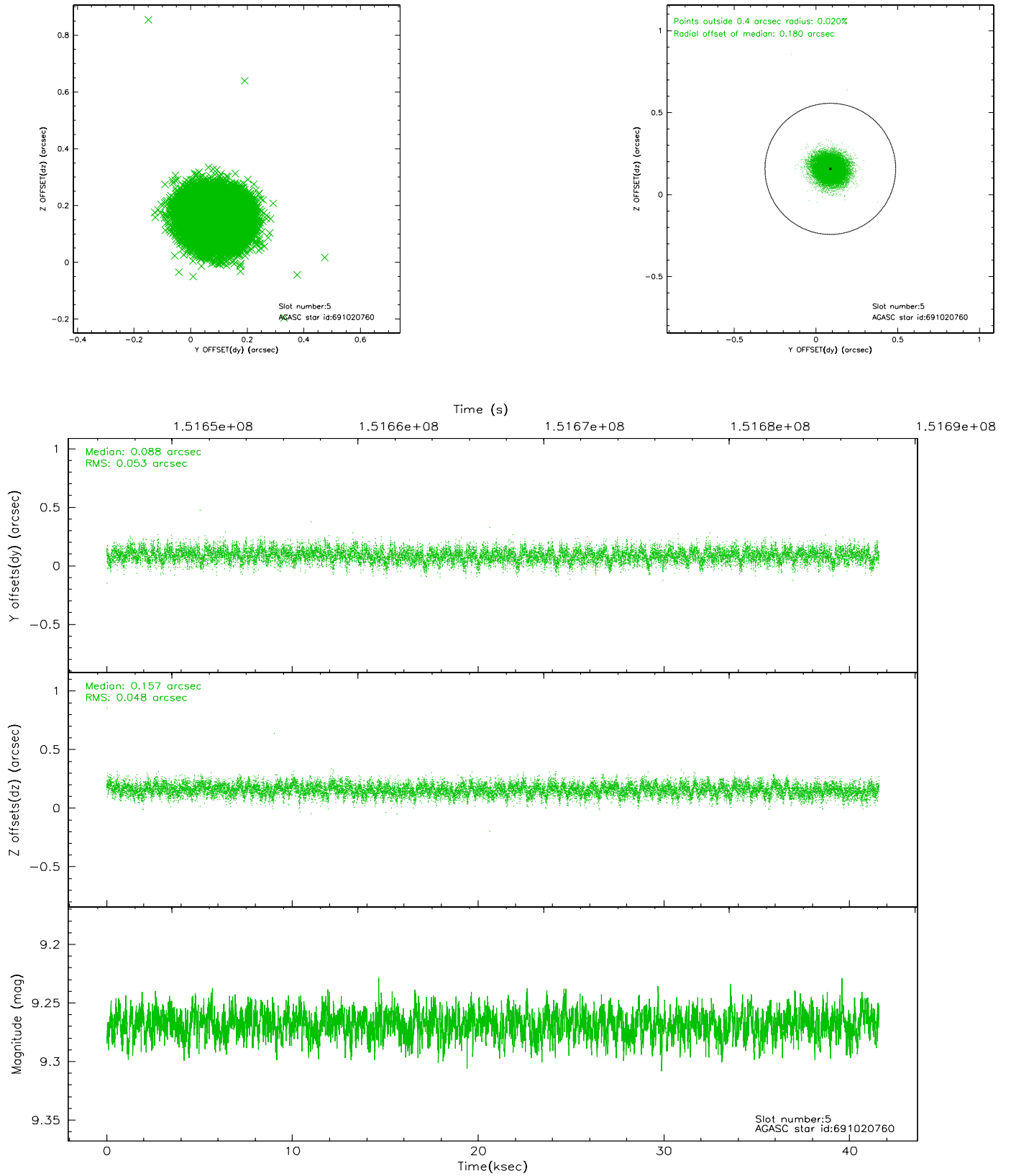
2.4.1 Slot 3



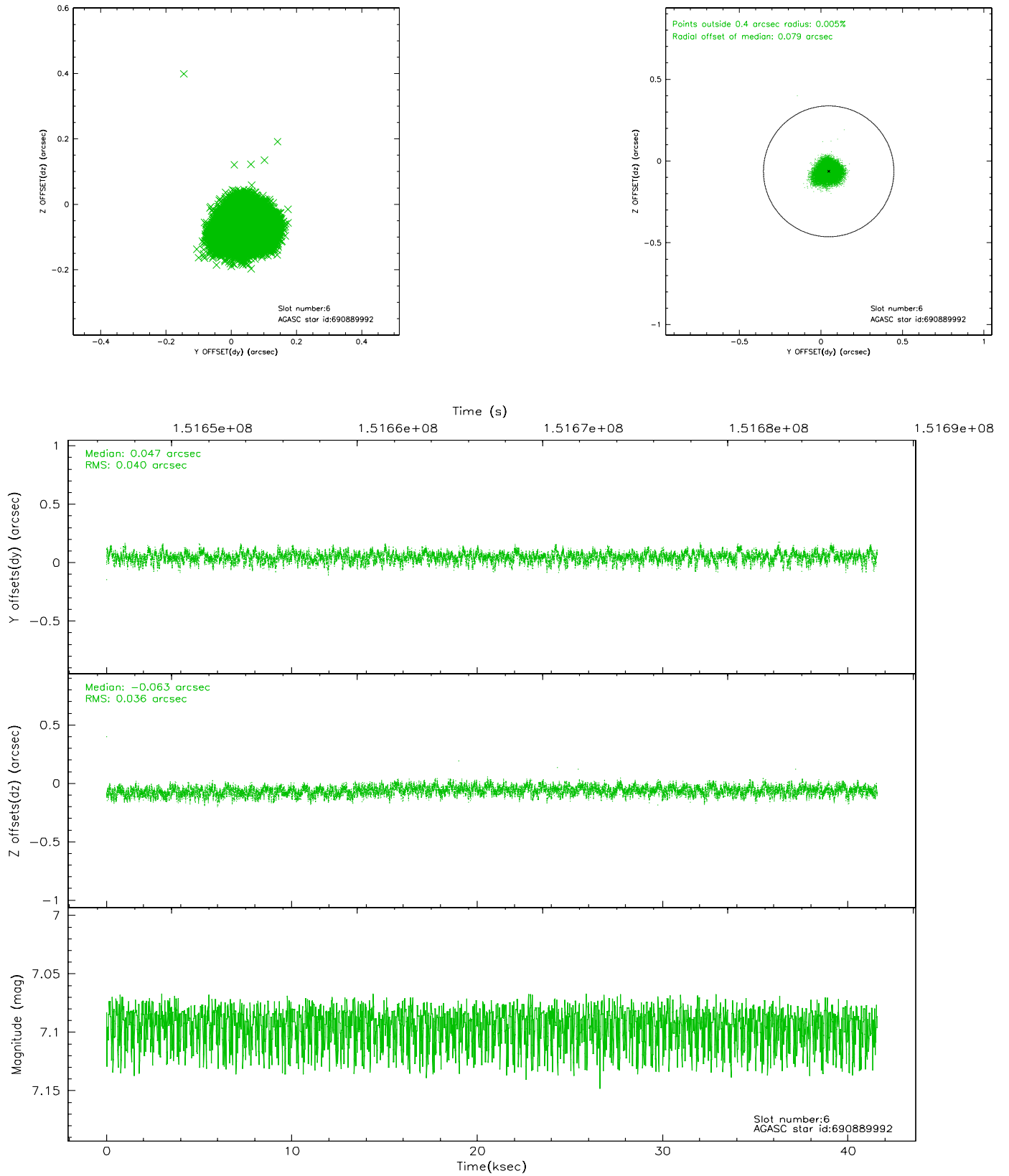
2.4.2 Slot 4



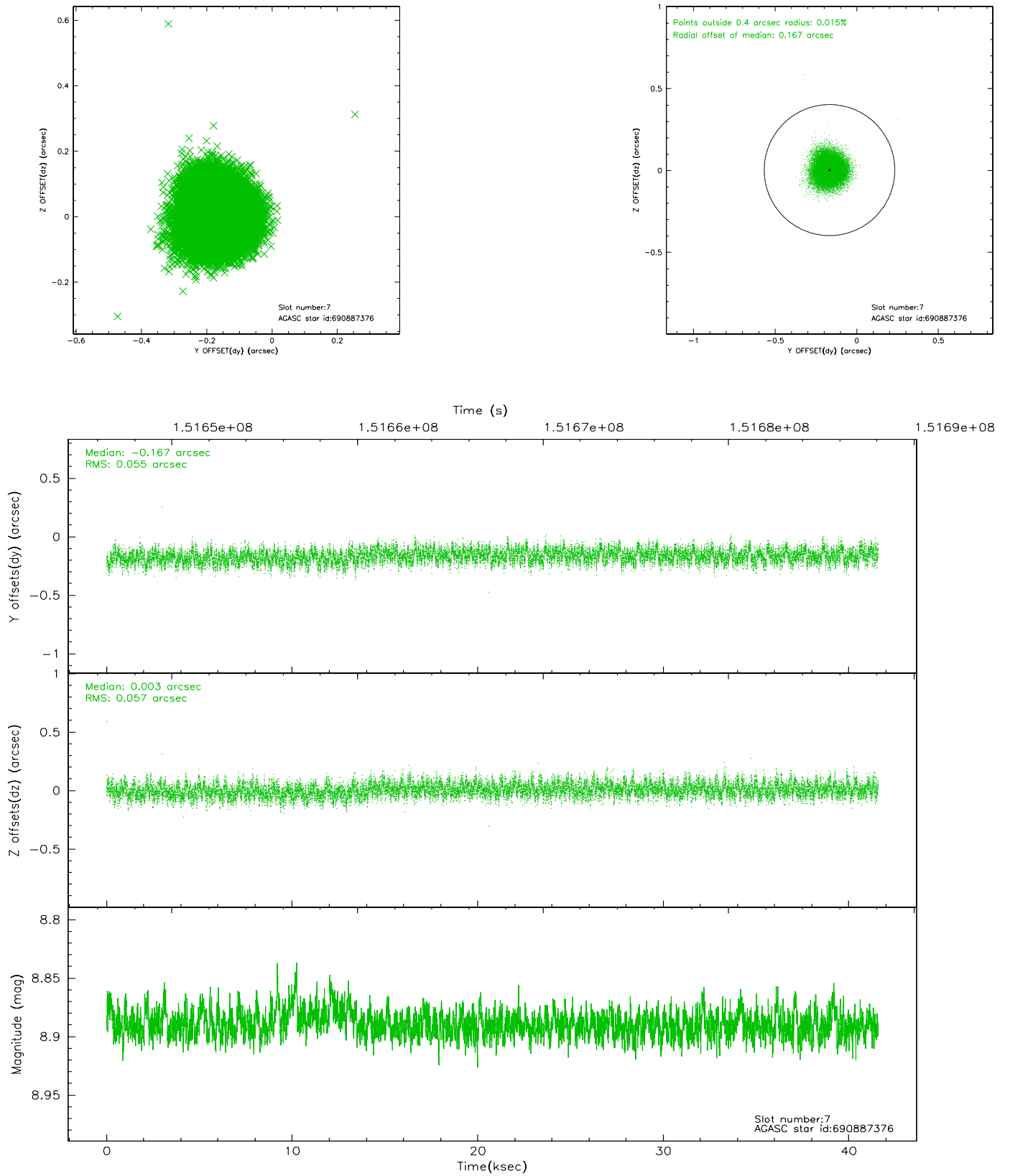
2.4.3 Slot 5



2.4.4 Slot 6

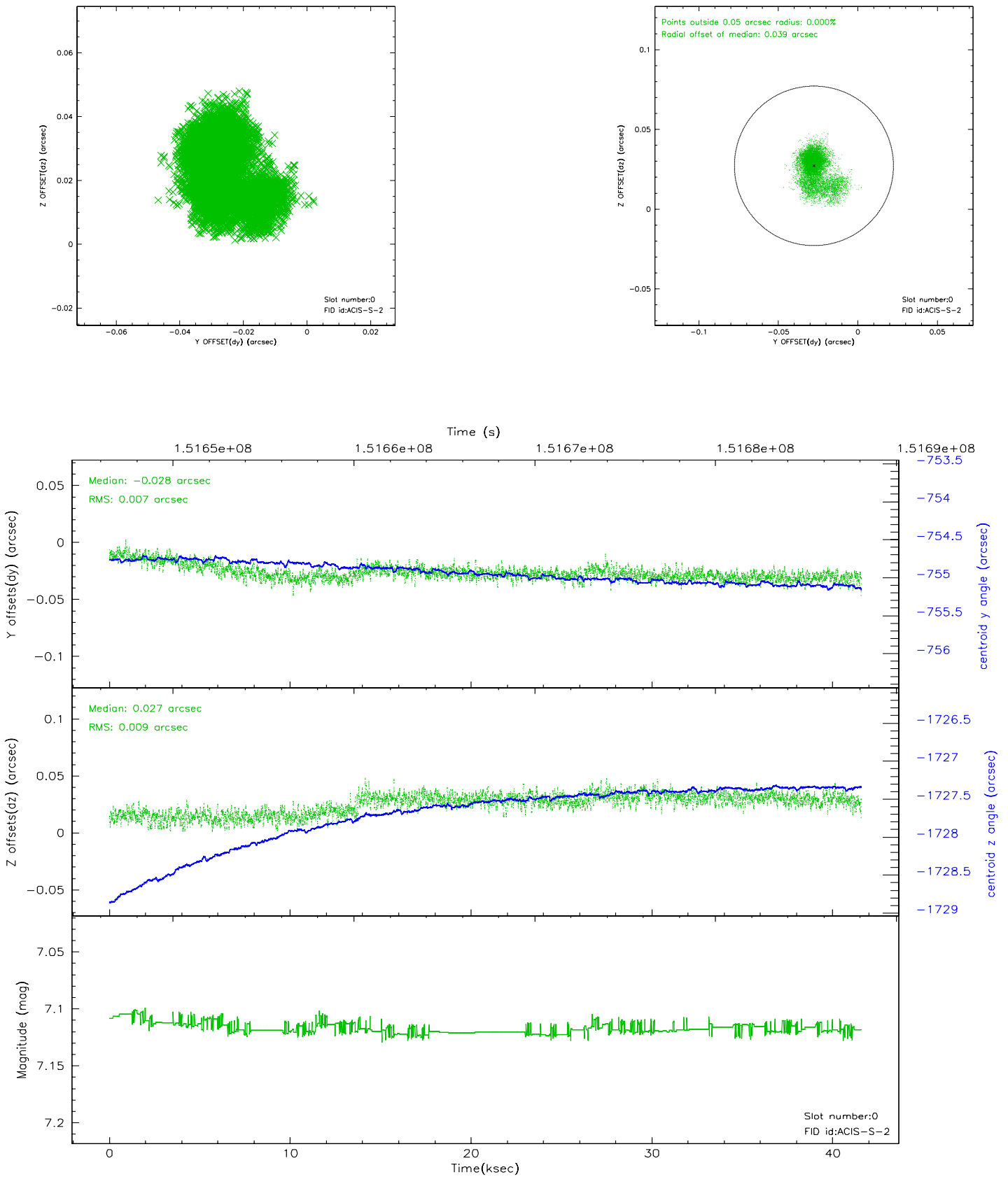


2.4.5 Slot 7

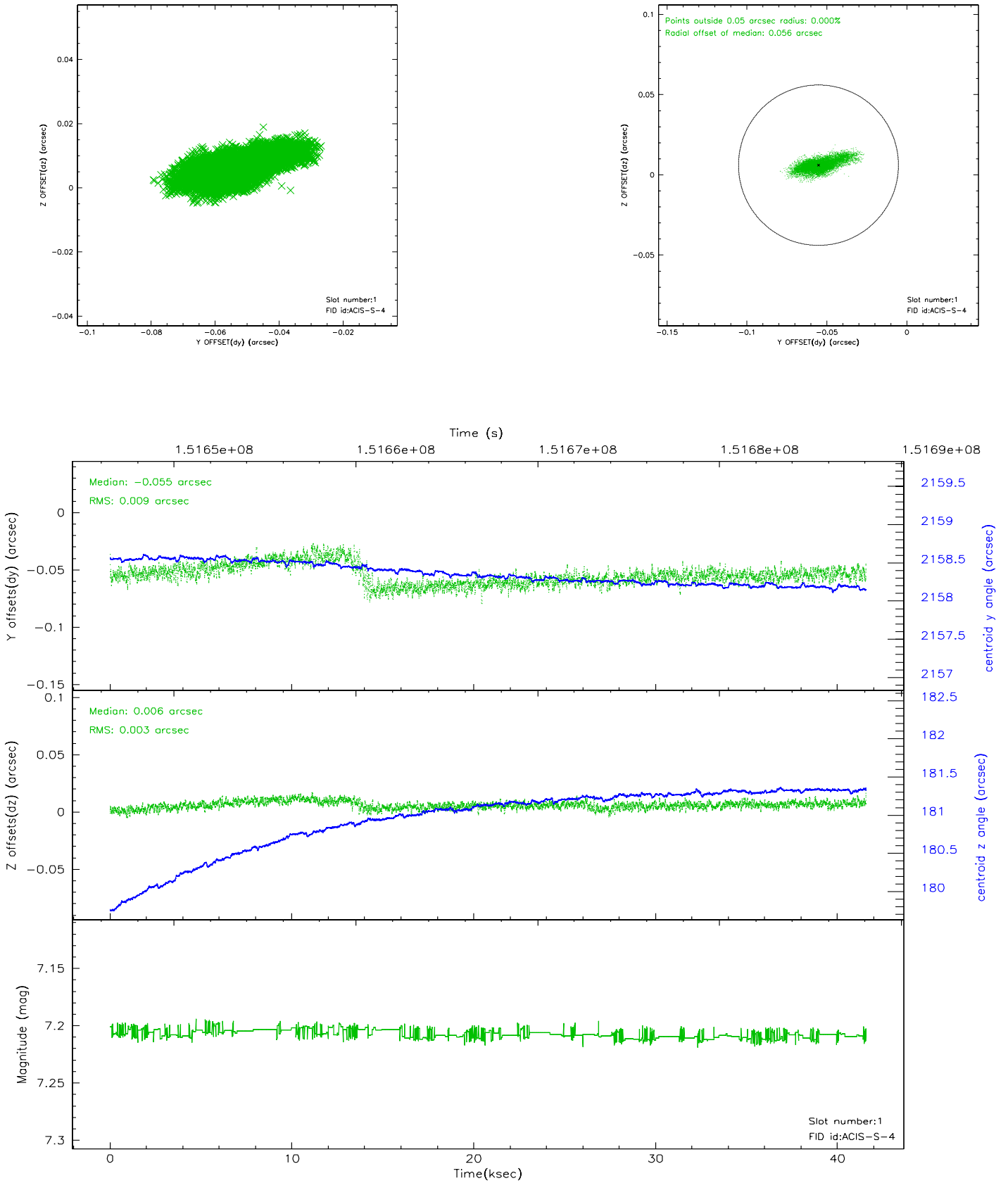


2.5 FID Slots

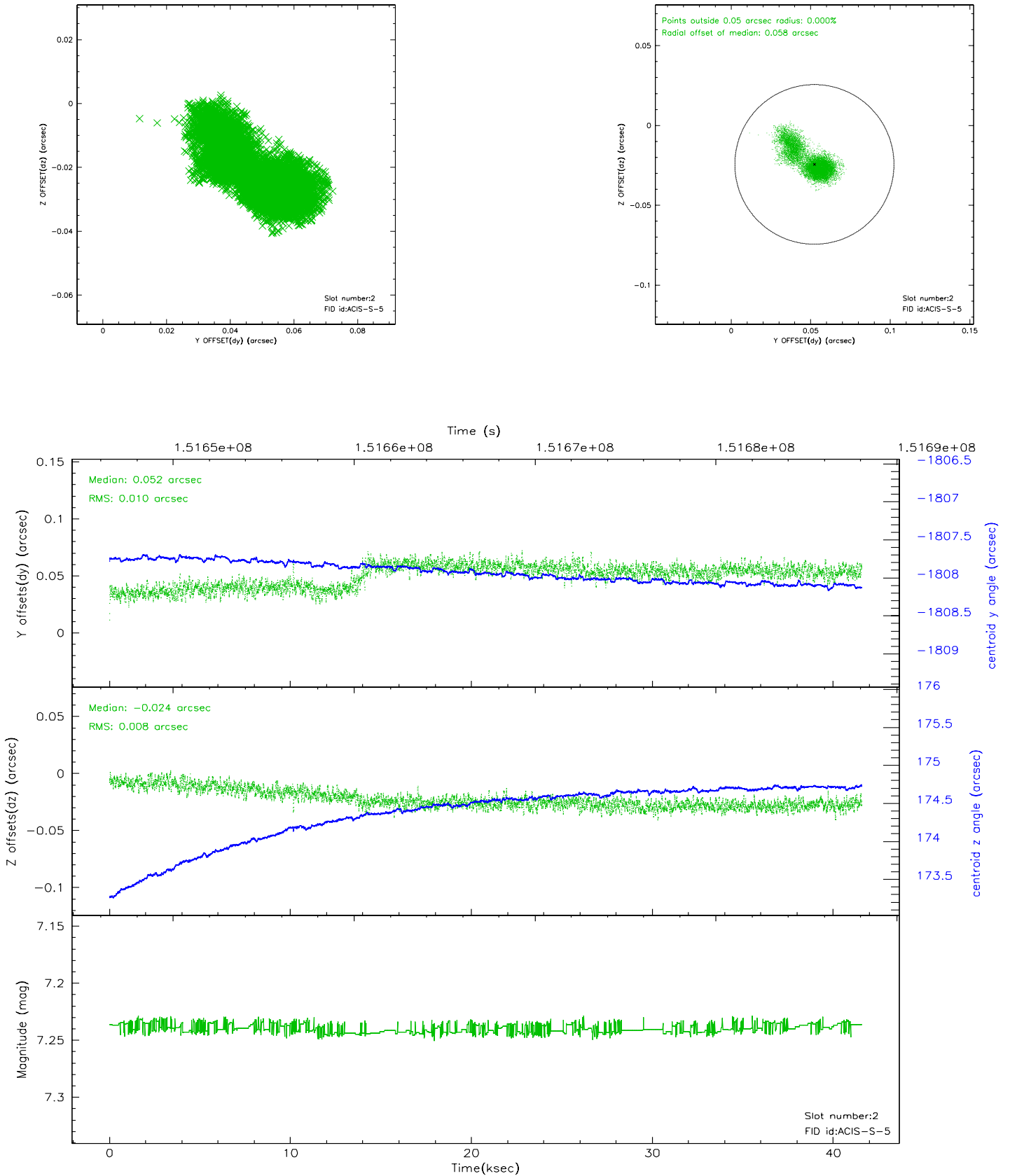
2.5.1 Slot 0



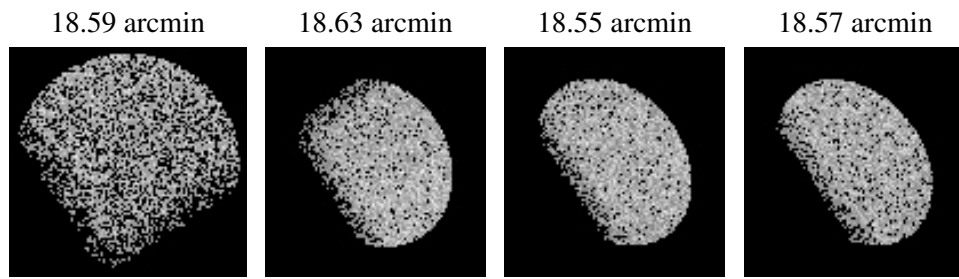
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.947

A.2 Comments