

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 2831 - L2 Version 001
Chandra X-Ray Center

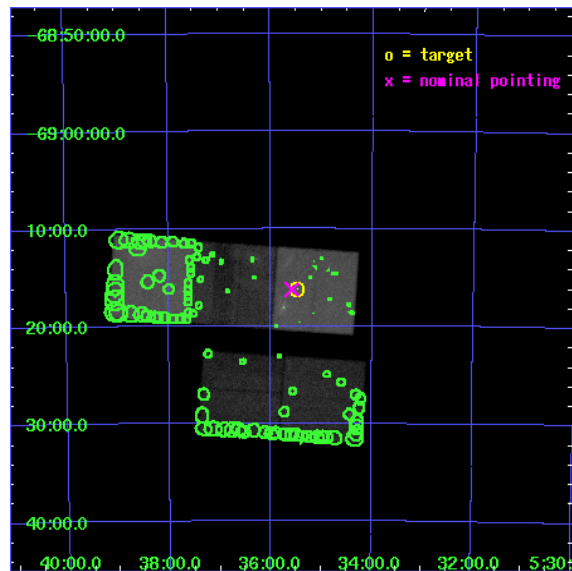
L2 Processing Date : Jan 18 2007

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

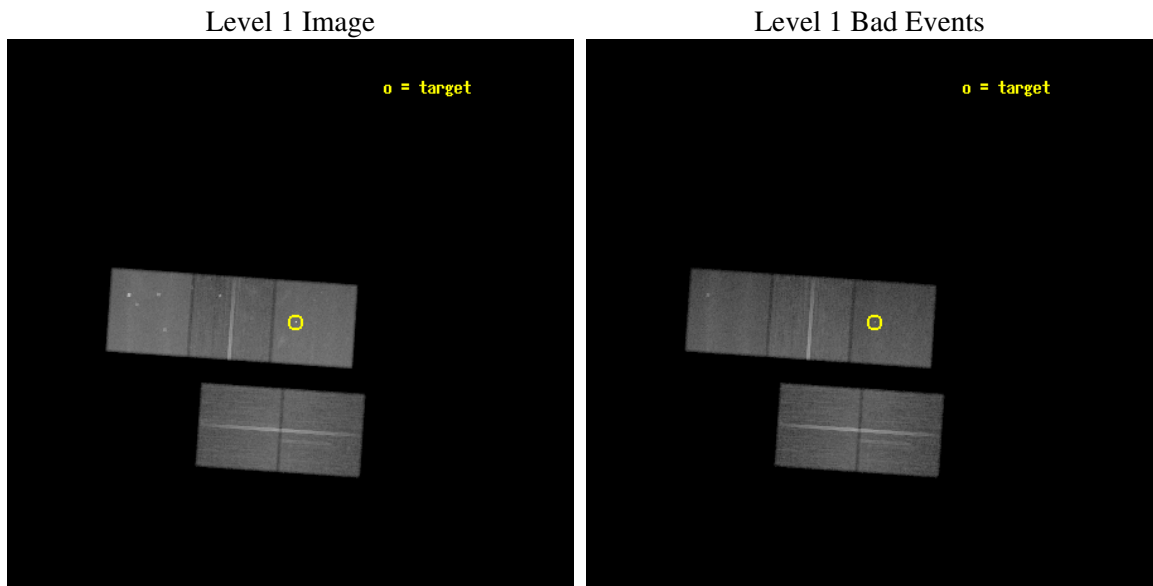
seq_num	500281
obs_id	2831
title	THE RAPIDLY EVOLVING YOUNG SUPERNOVA REMNANT, SNR1987A
observer	Dr. David Burrows
object	SNR 1987A
dtcycle	0
cycle	P
ra_targ	83.866667
dec_targ	-69.26975
ra_nom	83.893985415986
dec_nom	-69.270820547813
roll_nom	3.9076054702889
revision	2
ontime	50061.326470122
livetime	49407.238385177
ontime2	50026.775957167
ontime3	50064.467440397
ontime5	50029.916967288
ontime6	50051.90361926
ontime7	50061.326470122
l2events	628890



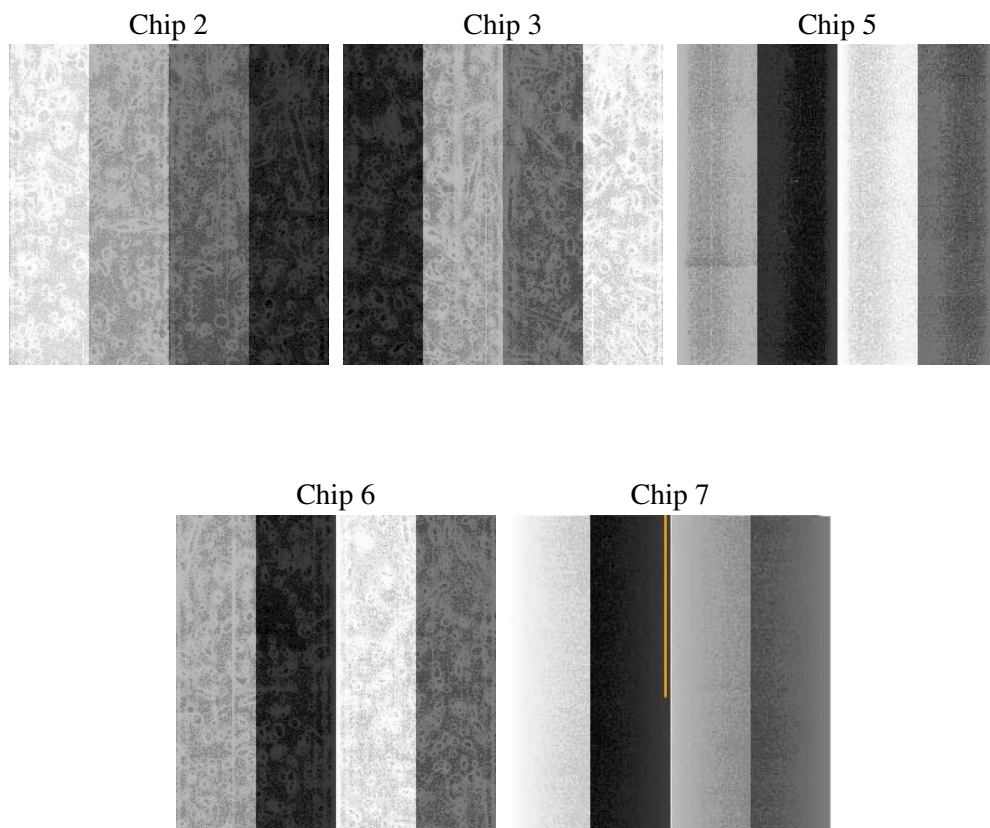
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.10
caldbver	3.3.0
date	2007-01-18T04:53:08
revision	2

sched_exp_time	50000.000000
ontime	50061.326470122
ontime2	50026.775957167
ontime3	50064.467440397
ontime5	50029.916967288
ontime6	50051.90361926
ontime7	50061.326470122
l1events	2142883

2.1.4 Events

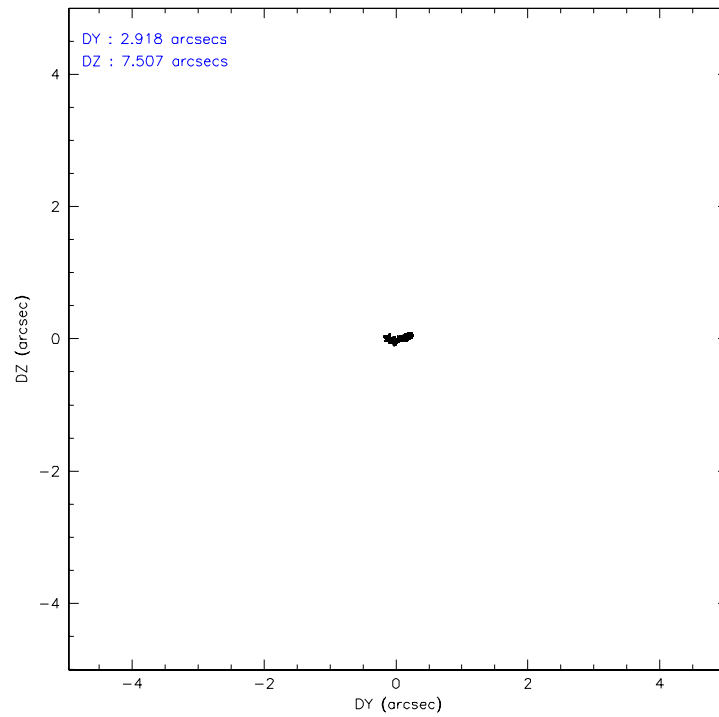
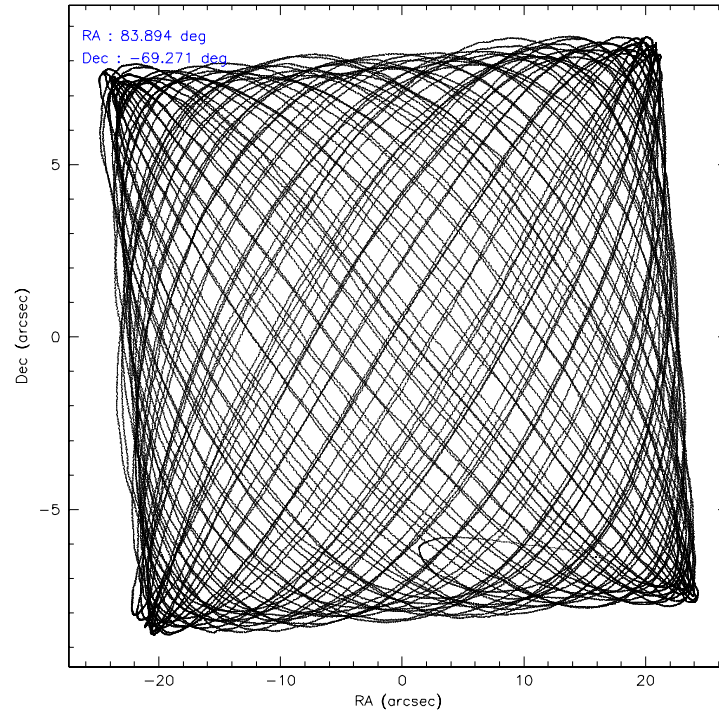
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	375228	370244	516060	400708	480643
rejected events	312141	308406	270320	323348	256923
rejected %	83%	83%	52%	80%	53%

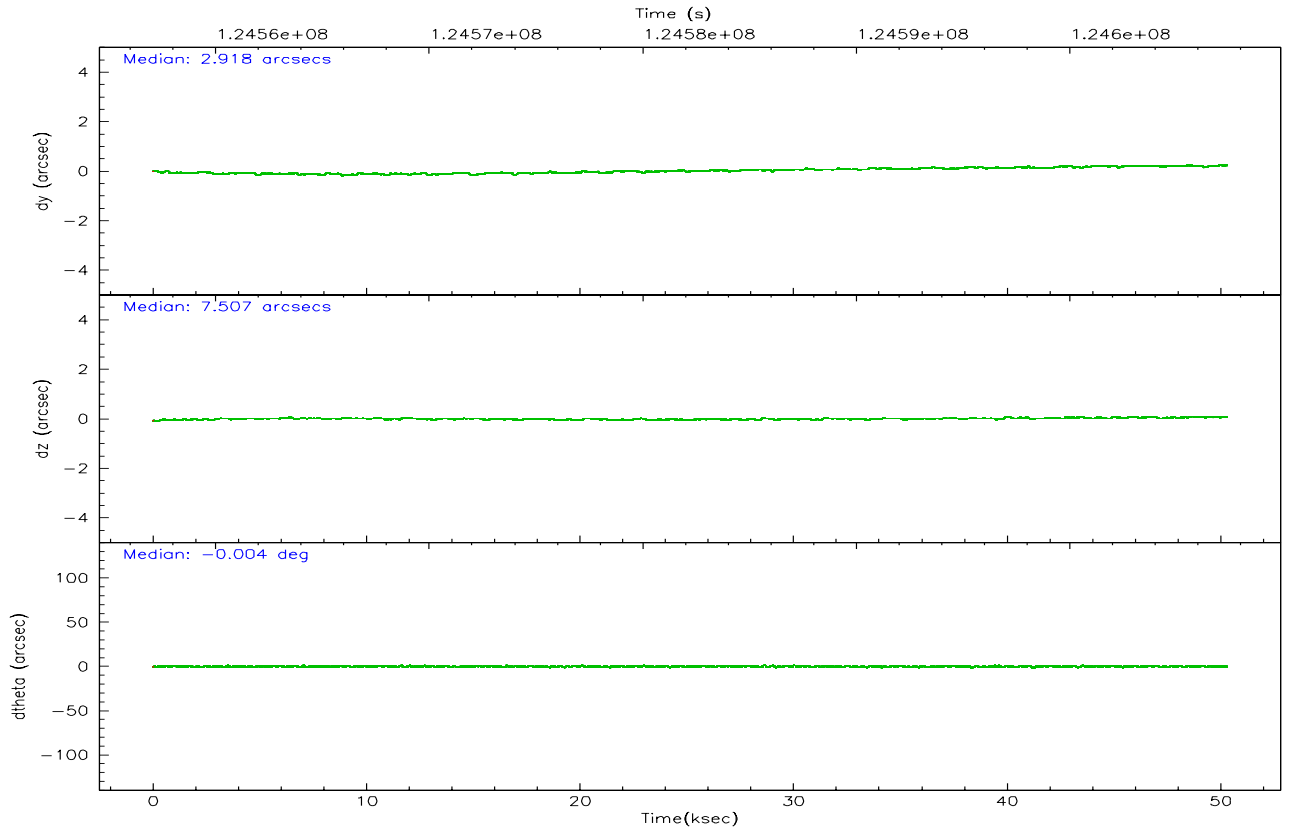
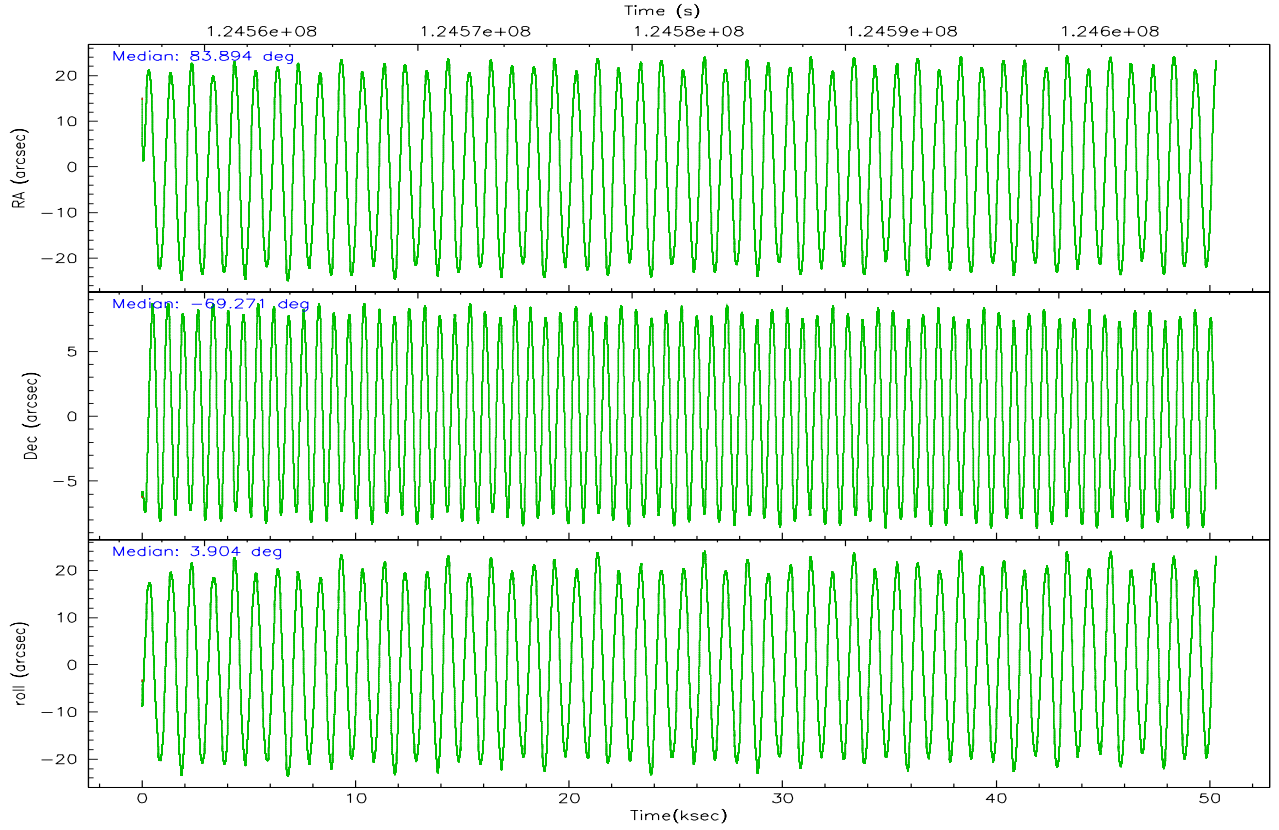
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	30155	27067	33263	40212	30982
	8%	7%	6%	10%	6%
grade 1 events	203	207	1462	228	557
	0%	0%	0%	0%	0%
grade 2 events	13923	14963	70355	16279	47260
	3%	4%	13%	4%	9%
grade 3 events	3901	3987	12698	4512	21458
	1%	1%	2%	1%	4%
grade 4 events	4365	4116	12241	4625	21276
	1%	1%	2%	1%	4%
grade 5 events	11428	13181	37414	14695	42640
	3%	3%	7%	3%	8%
grade 6 events	10771	11720	117245	11752	102763
	2%	3%	22%	2%	21%
grade 7 events	300482	295003	231382	308405	213707
	80%	79%	44%	76%	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-23567	ACIS-23567	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	83.830528	83.89398541598646	Subarray requested	NONE	NONE
Pointing Dec	-69.286276	-69.27082054781305	Alternating exposures requested	N	N
Pointing Roll	3.691626	3.907605470288937	Primary exposure time	0.000000	3.1
Window start time	117763264.184000	117763264.184000			
Window stop time	126144064.184000	126144064.184000			
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	124557368.184000	124556341.38222			
Observation start date	2001-12-12T15:15:04	2001-12-12T14:59:01			
Observation end time	124607368.184000	124607903.49679			
Observation end date	2001-12-13T05:08:24	2001-12-13T05:18:23			
Read mode	TIMED	TIMED			

2.3 Aspect



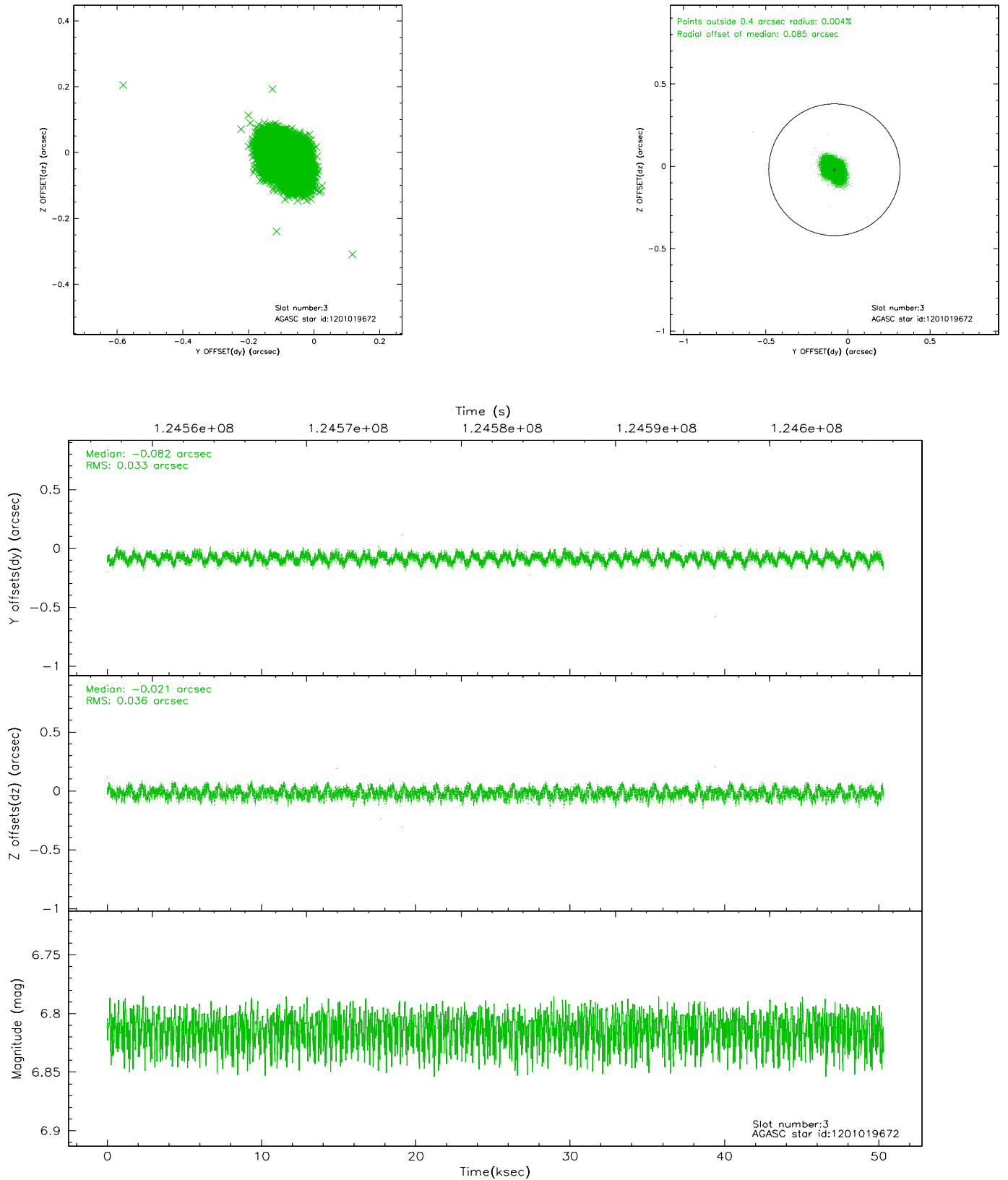


Slot Statistics

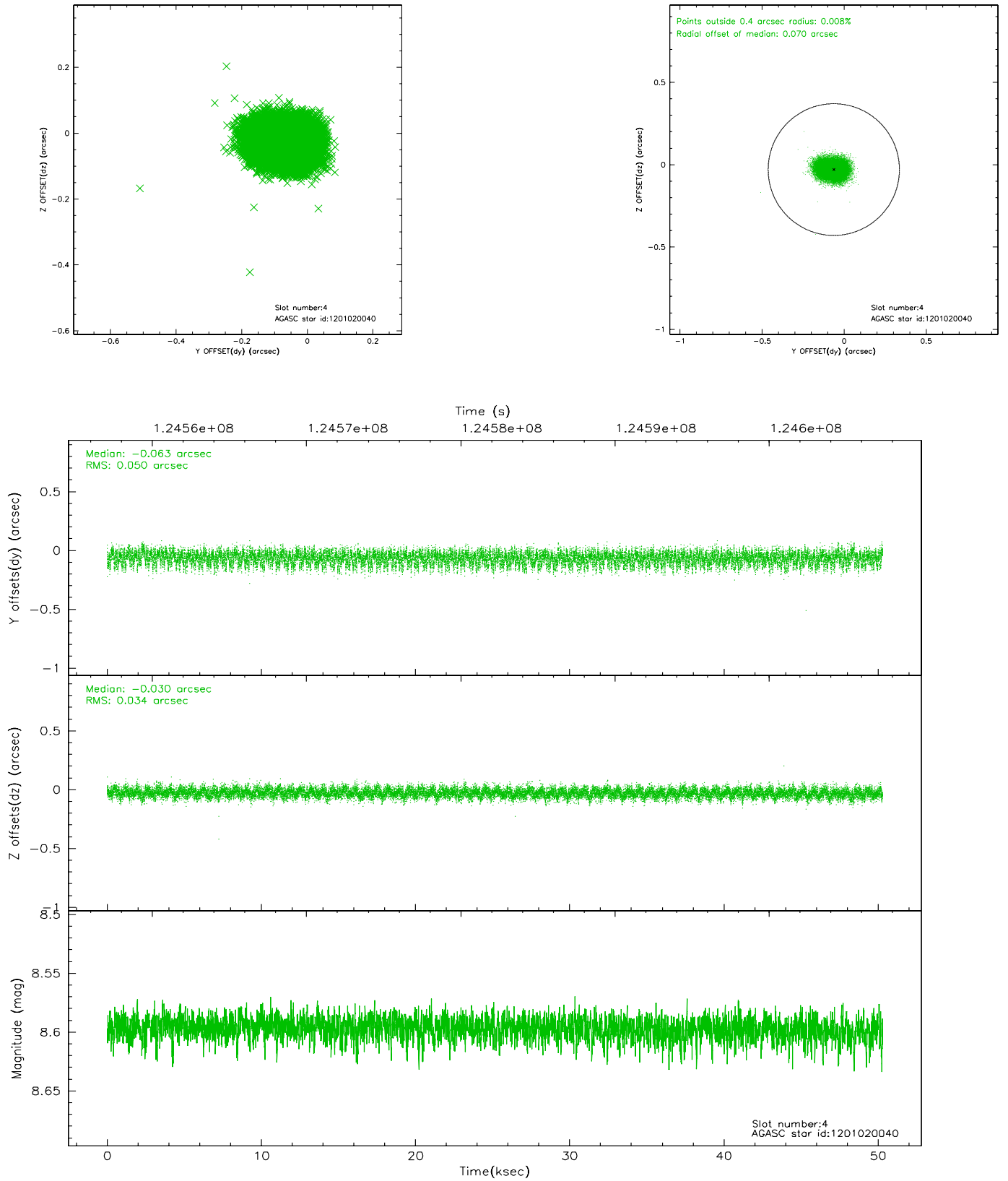
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	12200	0.011	0.032	0.008	0.014	0.000000	0.000000	-755.59	-1728.65
1	FID	ACIS-S-4	7.19	12151	-0.086	-0.014	0.012	0.022	0.000000	0.000000	2157.62	179.78
2	FID	ACIS-S-5	7.24	12204	0.045	-0.009	0.011	0.019	0.000000	0.000000	-1808.40	173.47
3	GUIDE	1201019672	6.81	24384	-0.082	-0.021	0.052	0.084	85.312192	-68.770187	2045.03	1705.96
4	GUIDE	1201020040	8.60	24430	-0.063	-0.030	0.064	0.104	85.379163	-68.879396	2096.89	1306.66
5	GUIDE	1201406184	7.91	24382	-0.068	0.006	0.059	0.113	82.503234	-69.975517	-1793.74	-2389.24
6	GUIDE	1201542672	8.20	24451	0.057	0.103	0.070	0.106	84.492488	-69.957531	659.19	-2468.78
7	GUIDE	1200887248	9.65	24421	0.161	-0.049	0.107	0.175	82.362845	-68.868028	-1805.43	1601.64

2.4 Star Slots

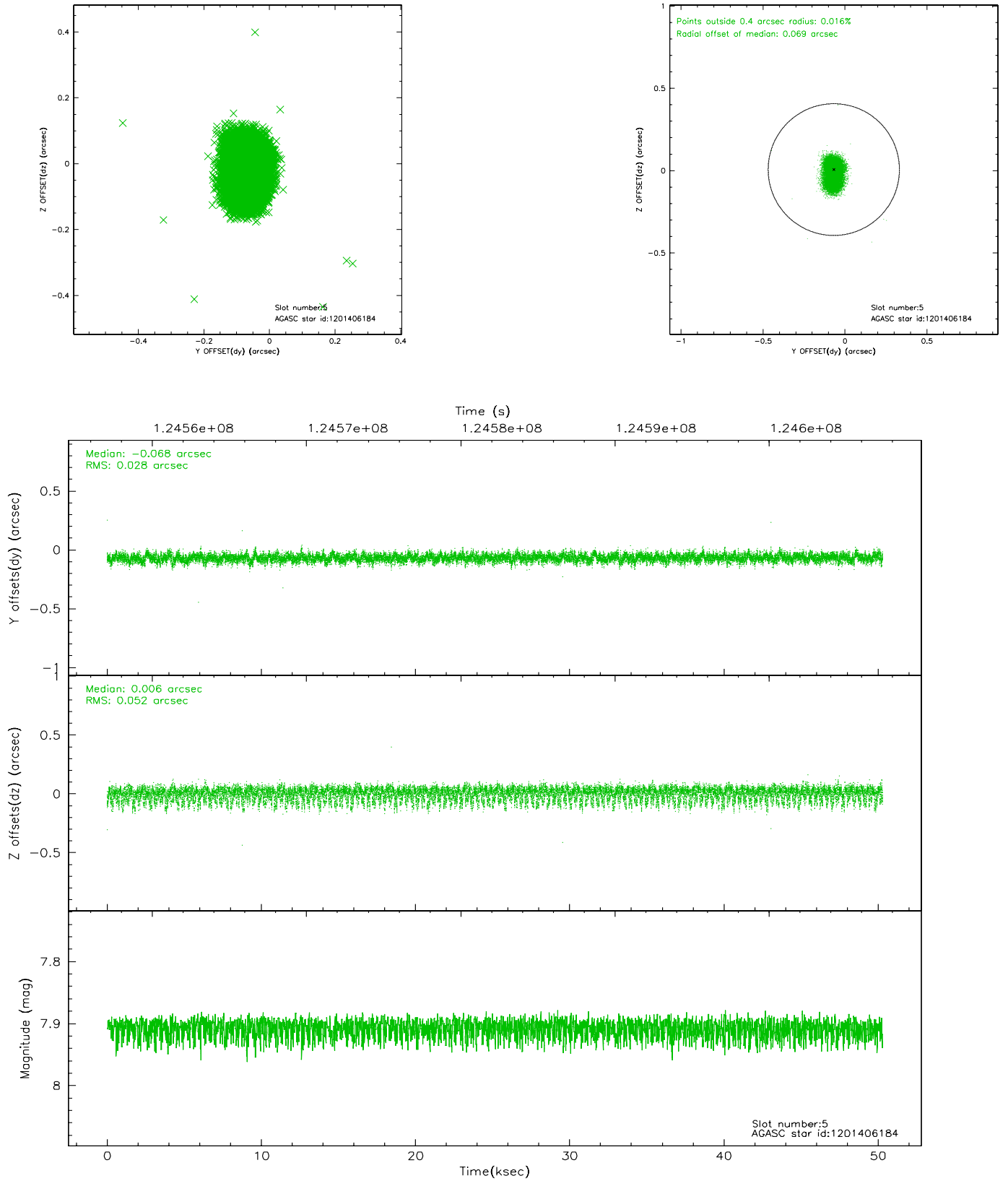
2.4.1 Slot 3



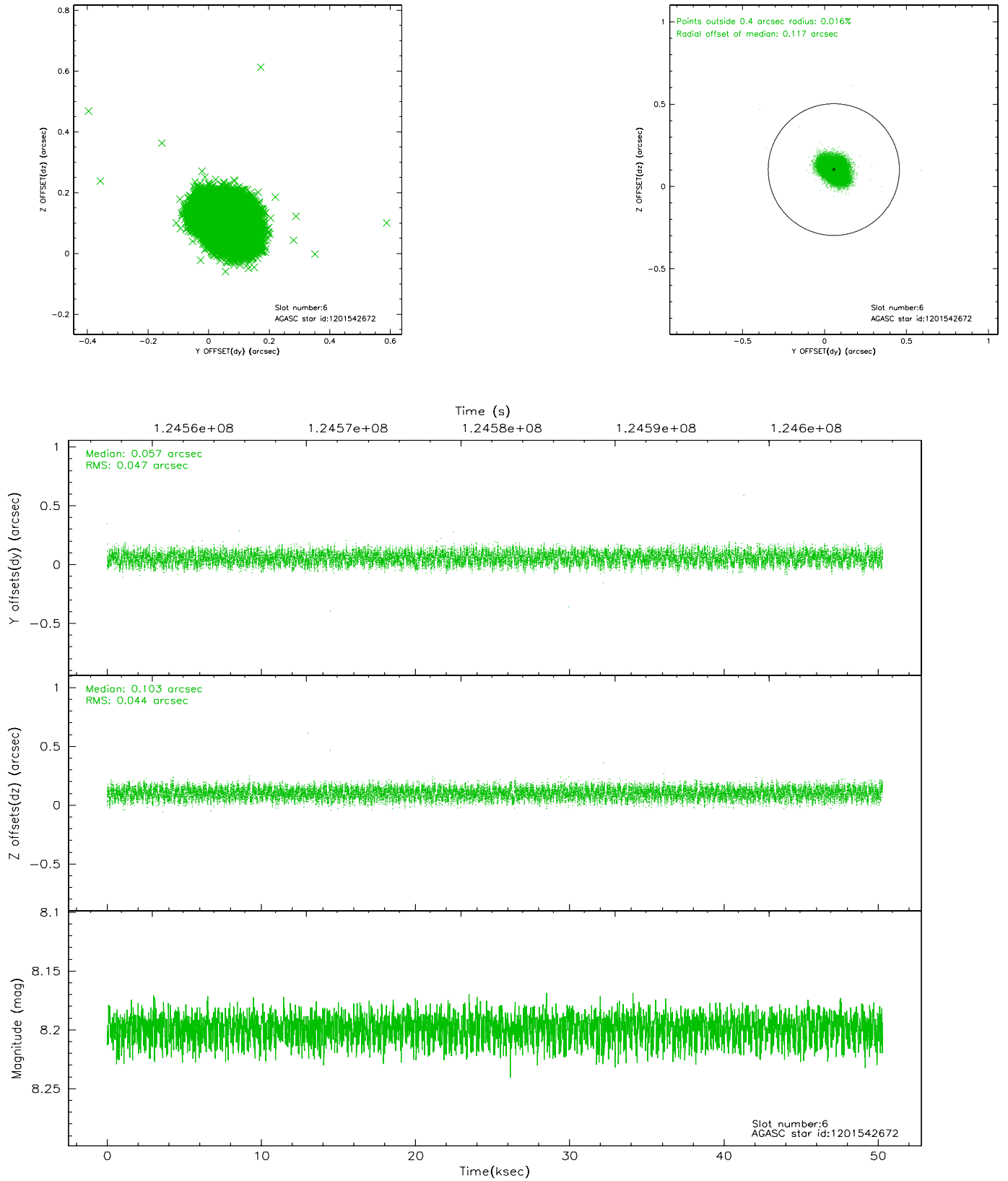
2.4.2 Slot 4



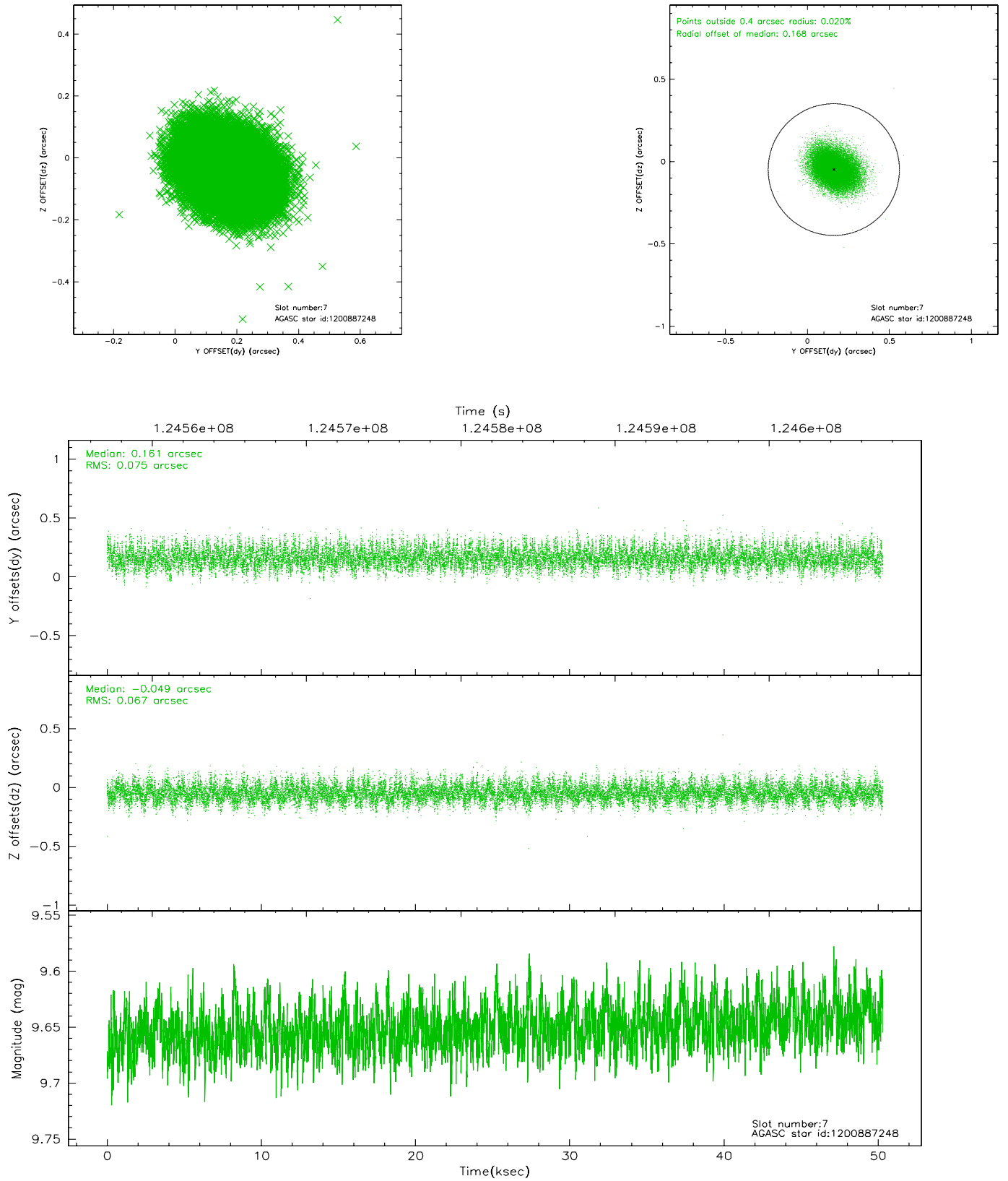
2.4.3 Slot 5



2.4.4 Slot 6

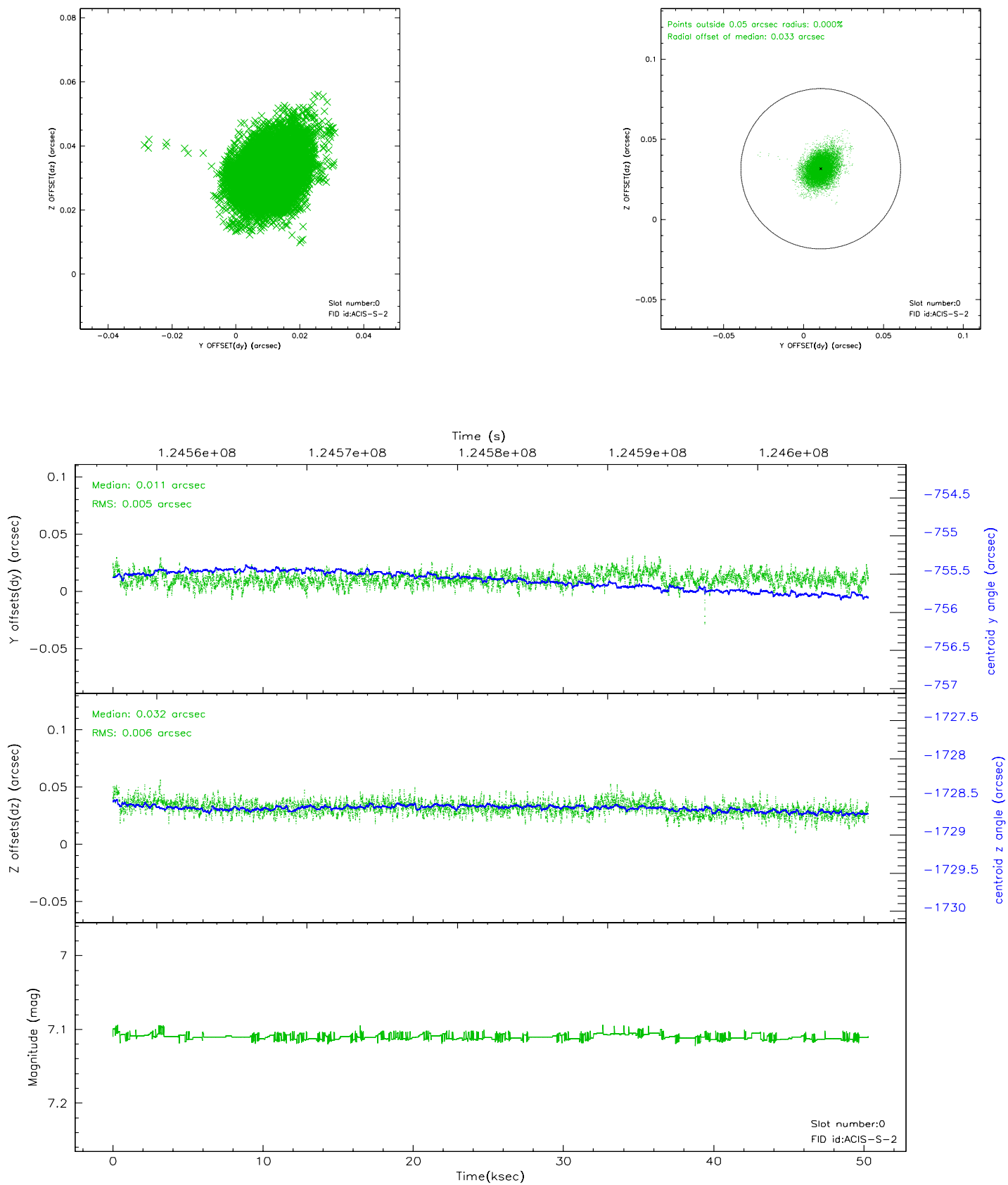


2.4.5 Slot 7

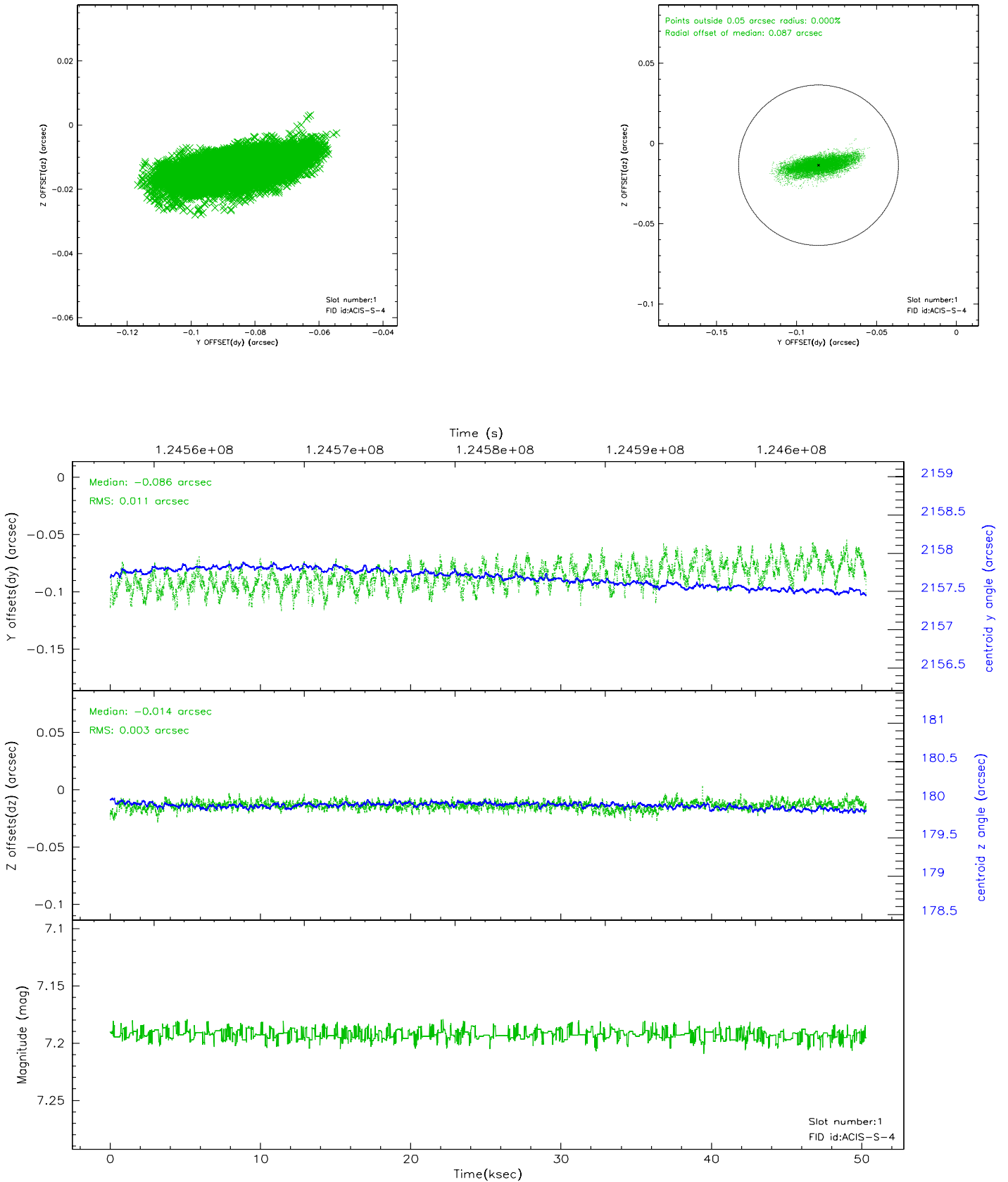


2.5 FID Slots

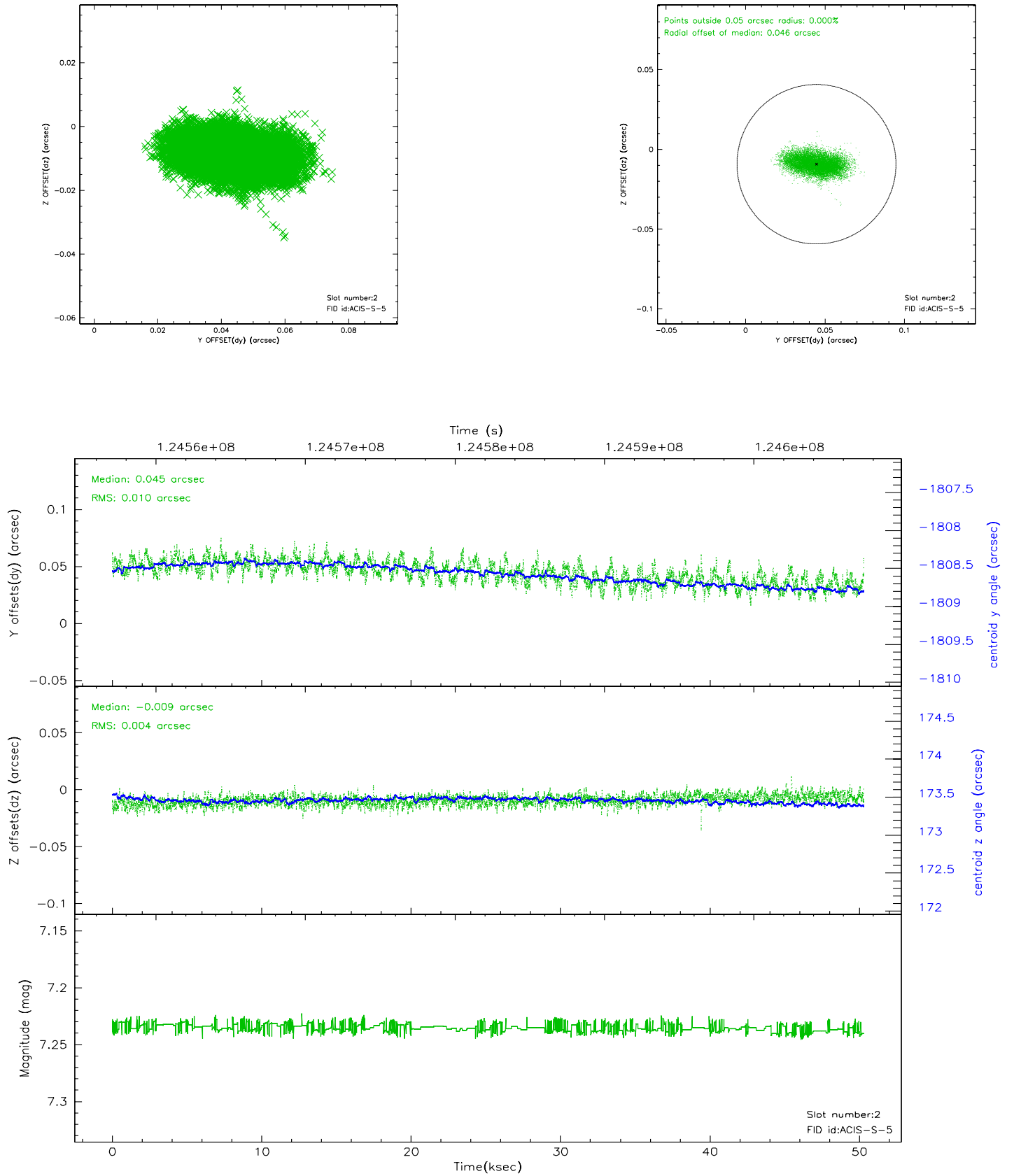
2.5.1 Slot 0



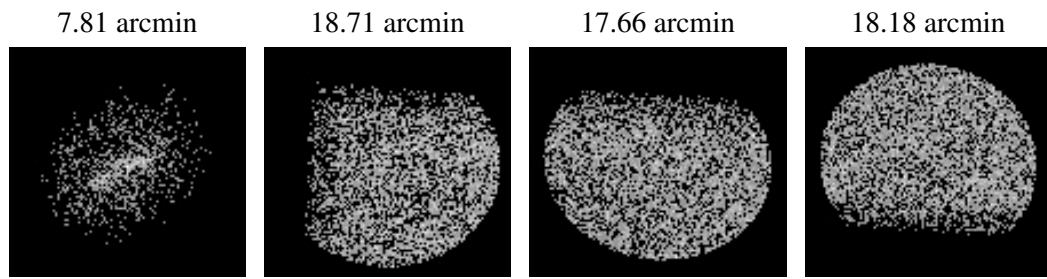
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.01.18
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	50.036

A.2 Comments