

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 5134 - L2 Version 001
Chandra X-Ray Center

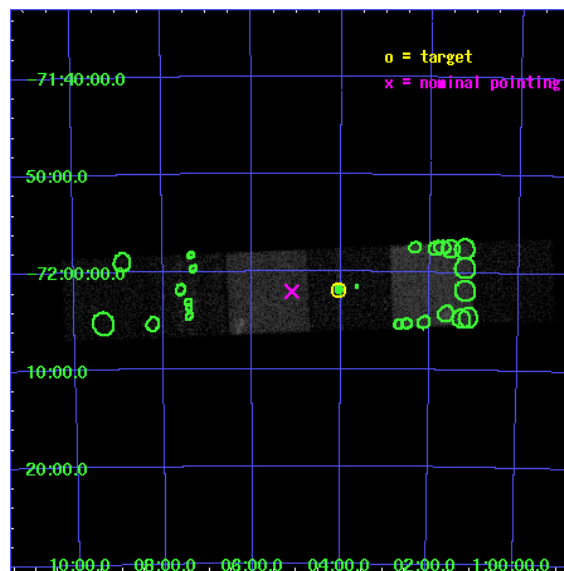
L2 Processing Date : May 25 2006

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

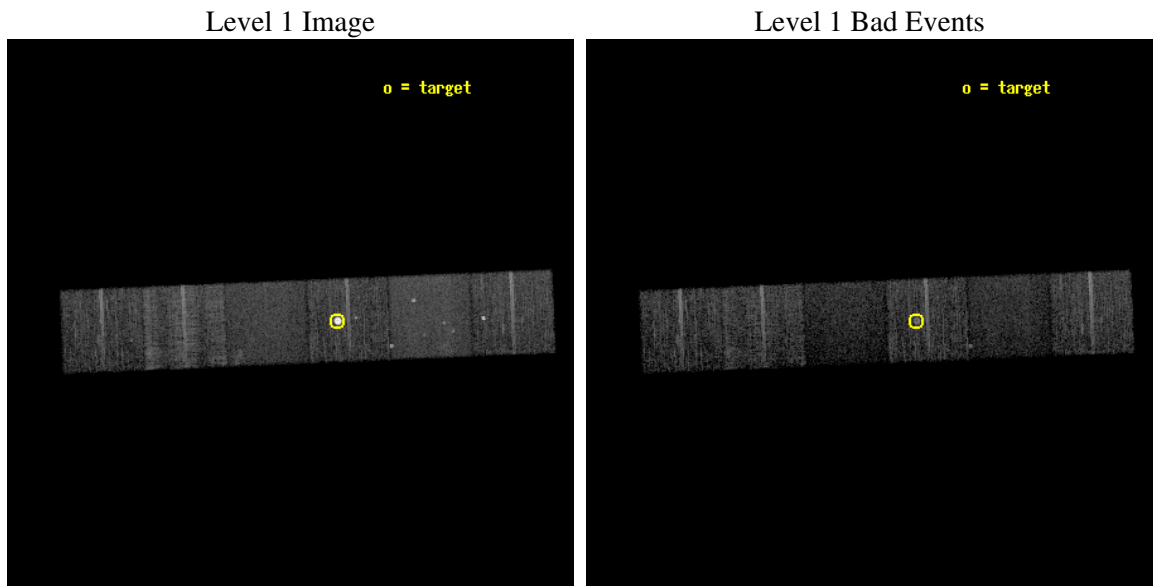
seq_num	590332
obs_id	5134
title	AO5B ACIS-S Calibration Observations of E0102-72
observer	Dr. CXC Calibration
object	E0102-72[S2,-120,5.15,0,0]
dtcycle	0
cycle	P
ra_targ	16.01
dec_targ	-72.032028
ra_nom	16.275202874729
dec_nom	-72.034169358945
roll_nom	177.58162259925
revision	2
ontime	7596.7999716997
livetime	7500.6047162143
ontime4	7590.318021208
ontime5	7596.7999716997
ontime6	7596.7999716997
ontime7	7596.7999716997
ontime8	7593.5590114295
ontime9	7593.559001416
l2events	88442



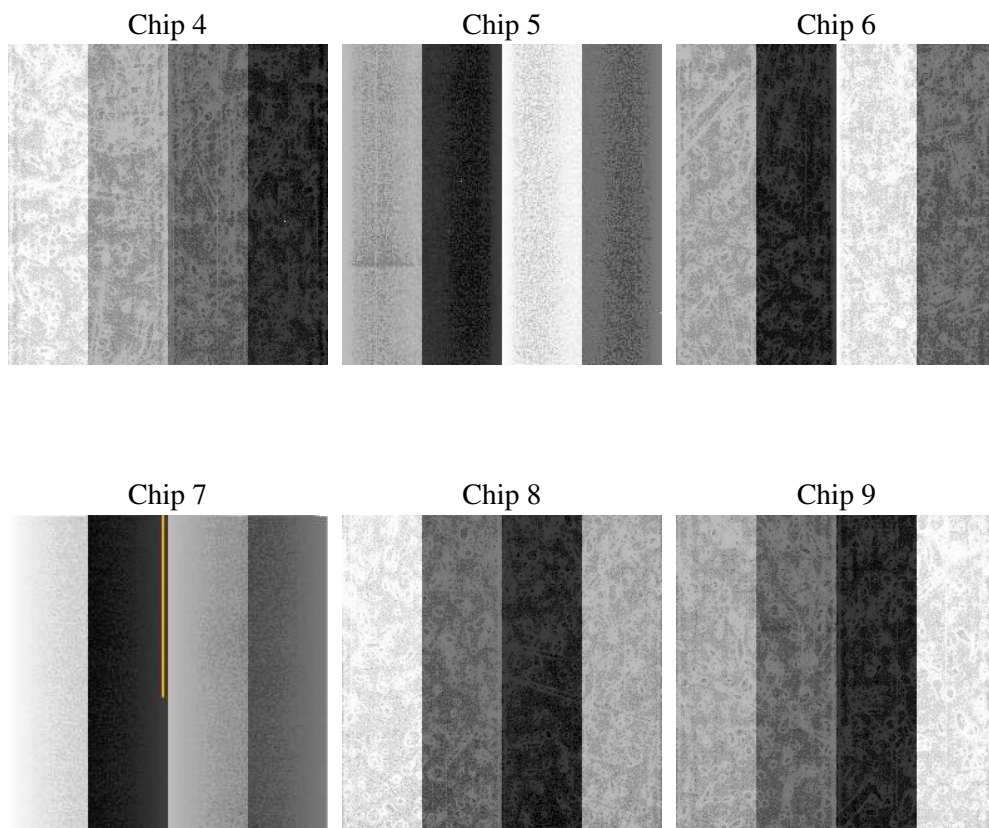
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.2
caldbver	3.2.2
date	2006-05-25T08:03:46
revision	2

sched_exp_time	7840.000000
ontime	7603.3889748156
ontime4	7596.9070243239
ontime5	7603.3889946938
ontime6	7603.3889748156
ontime7	7603.3889946938
ontime8	7600.1480145454
ontime9	7600.14802441
l1events	319044

2.1.4 Events

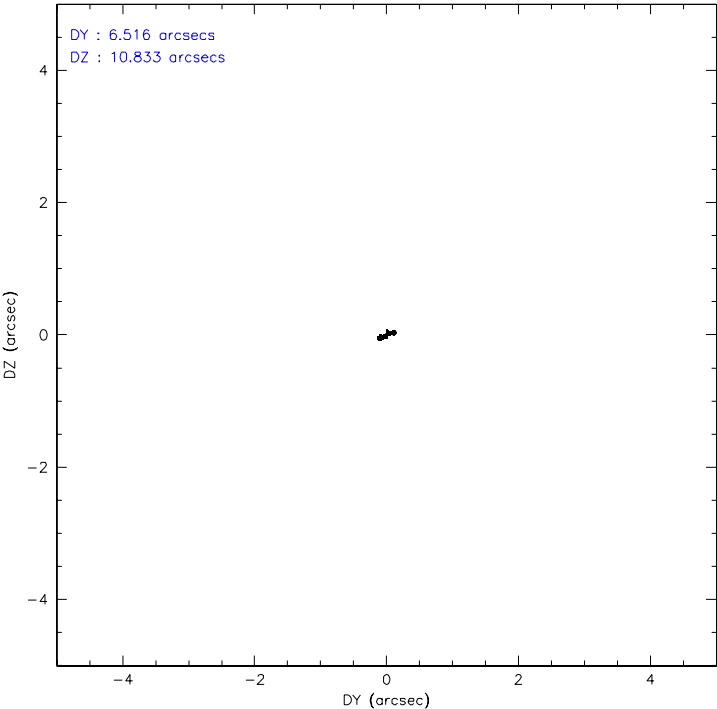
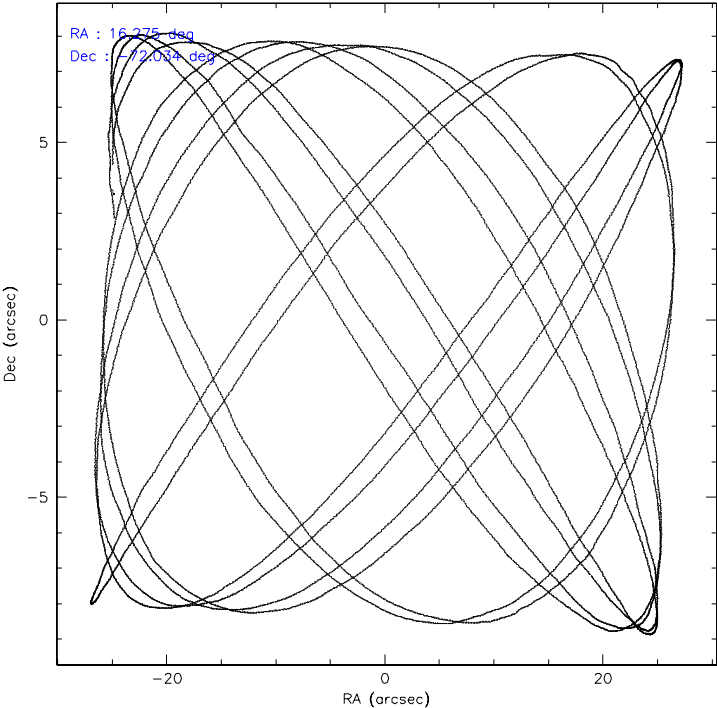
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	51344	53071	72939	41122	59761	40807
rejected events	44135	25643	39794	21441	41510	36232
rejected %	85%	48%	54%	52%	69%	88%

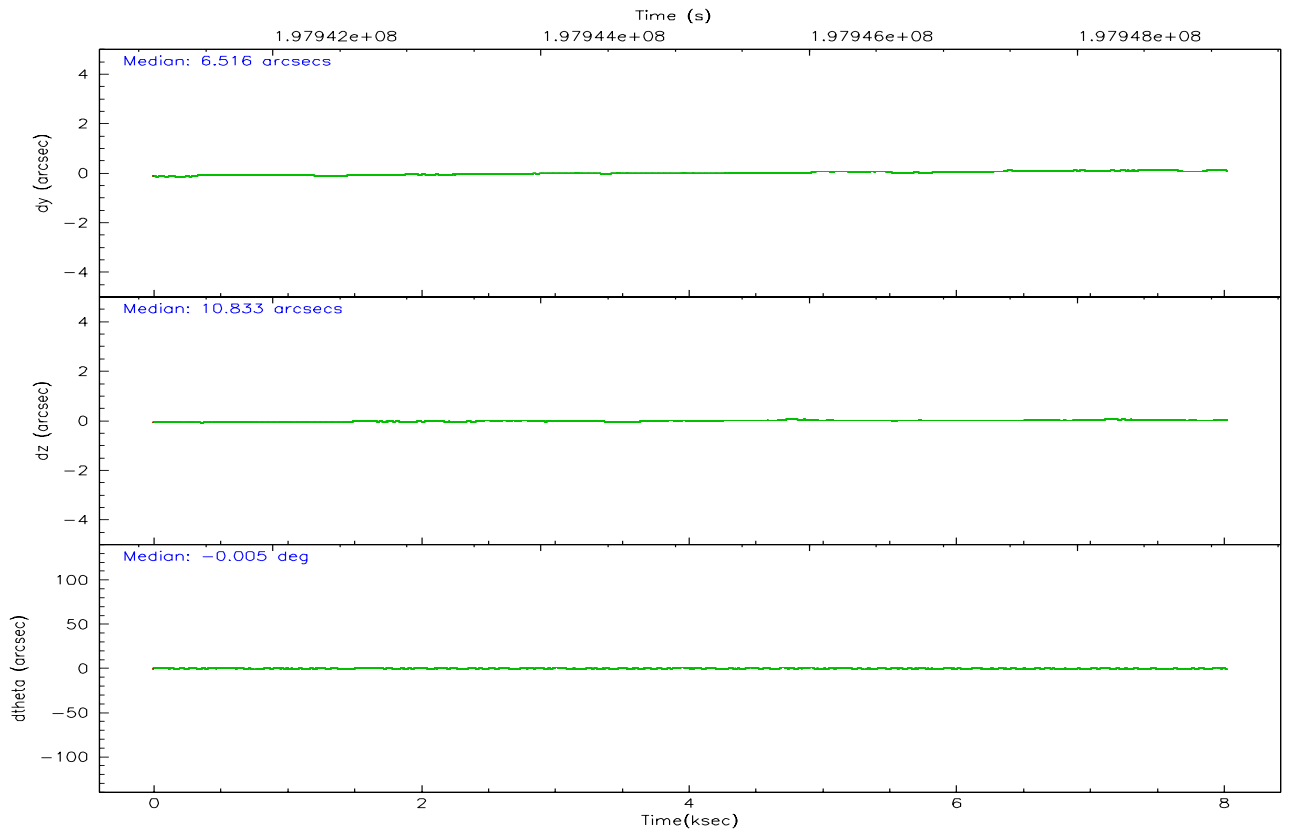
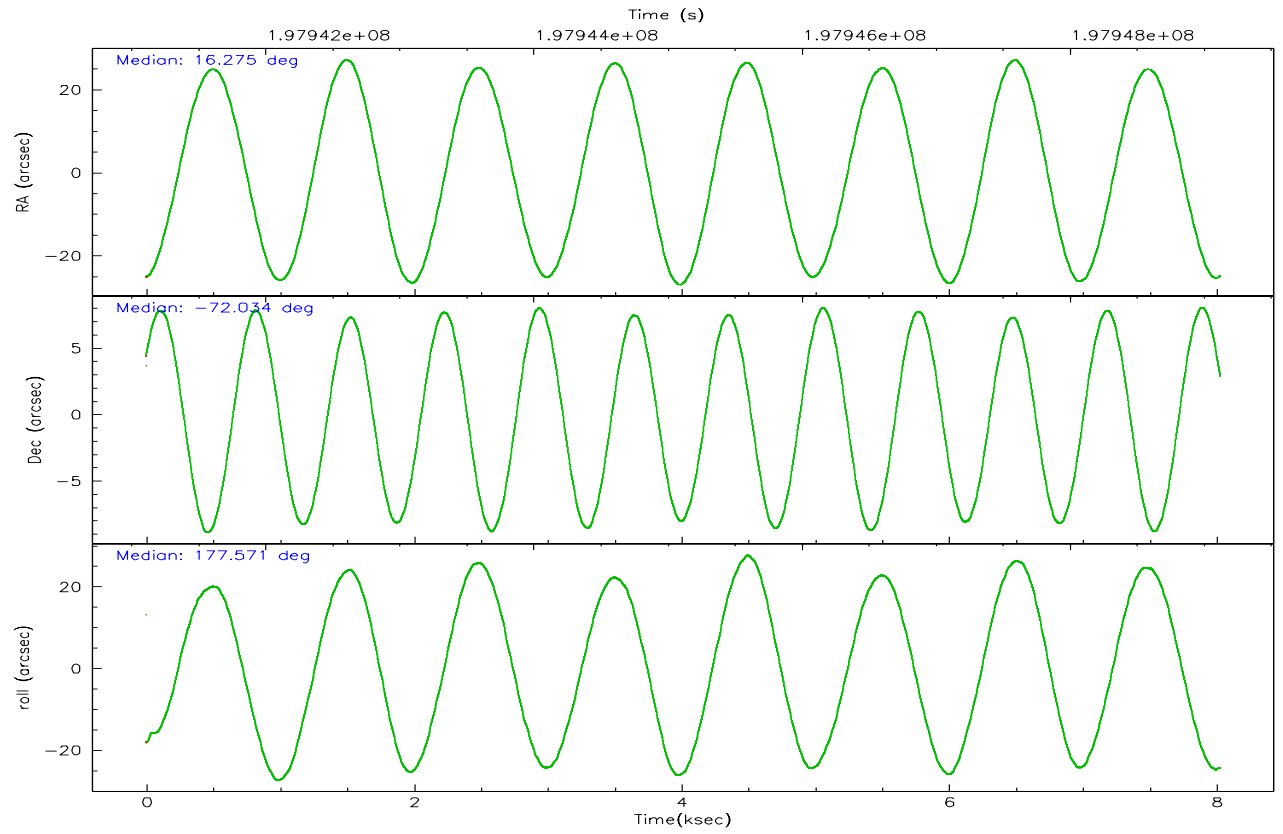
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	4407	2725	27186	1600	6380	1842
	8%	5%	37%	3%	10%	4%
grade 1 events	53	168	270	28	69	18
	0%	0%	0%	0%	0%	0%
grade 2 events	1067	8470	2988	5022	2921	951
	2%	15%	4%	12%	4%	2%
grade 3 events	485	910	953	1313	2820	468
	0%	1%	1%	3%	4%	1%
grade 4 events	543	893	965	1281	2636	435
	1%	1%	1%	3%	4%	1%
grade 5 events	1288	2895	1475	3151	2163	1587
	2%	5%	2%	7%	3%	3%
grade 6 events	713	14457	1083	10480	3506	882
	1%	27%	1%	25%	5%	2%
grade 7 events	42788	22553	38019	18247	39266	34624
	83%	42%	52%	44%	65%	84%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	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	16.352793	16.27520287472917	Alternating exposures requested	N	N
Pointing Dec	-72.021282	-72.03416935894506	Primary exposure time	0.000000	3.2
Pointing Roll	177.498798	177.5816225992494			
Window start time	197164864.184000	197164864.184000			
Window stop time	199670464.184000	199670464.184000			
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	197941287.184000	197940911.45099			
Observation start date	2004-04-09T23:40:23	2004-04-09T23:35:11			
Observation end time	197949127.184000	197949908.38889			
Observation end date	2004-04-10T01:51:03	2004-04-10T02:05:08			
Read mode	TIMED	TIMED			

2.3 Aspect



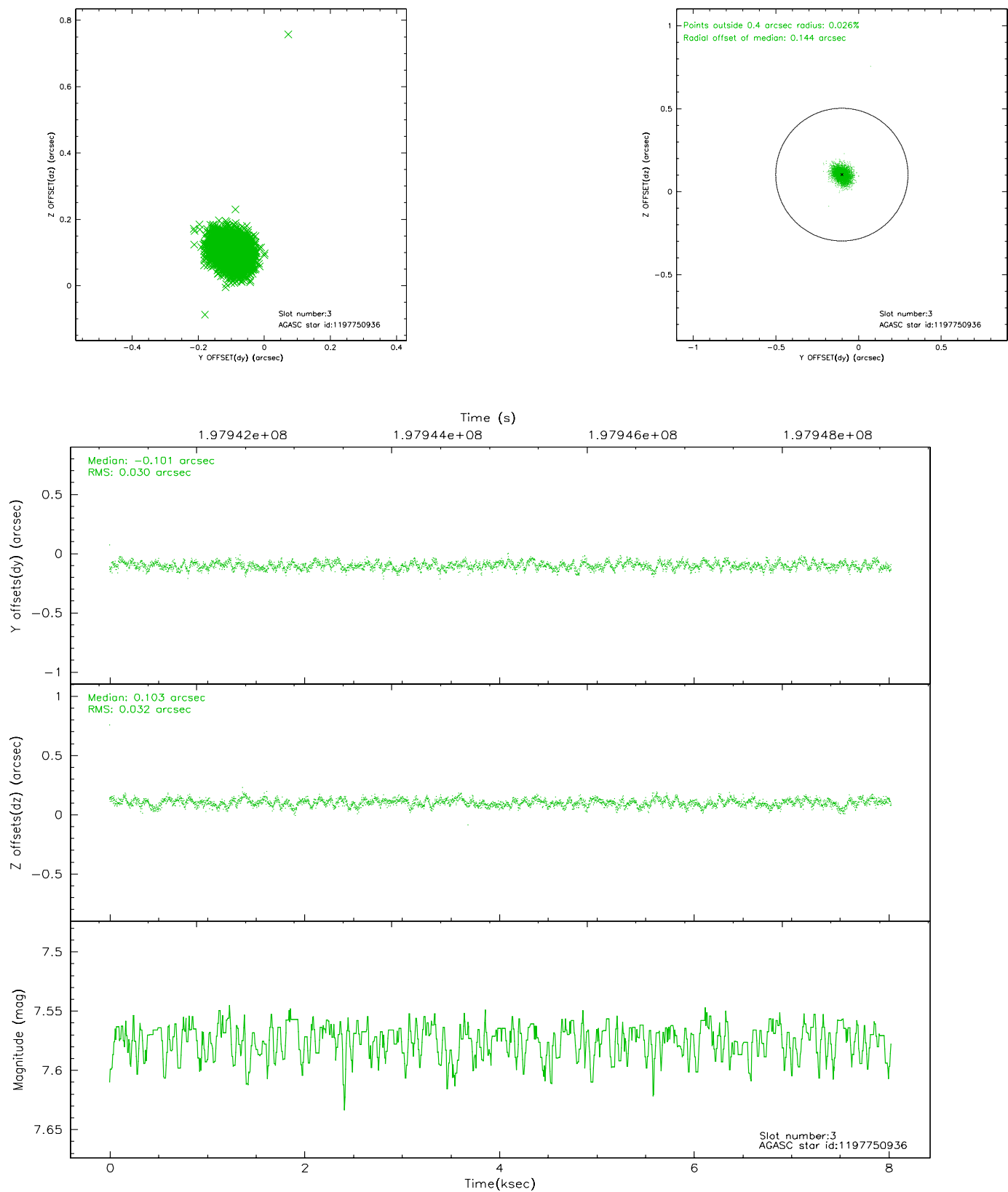


Slot Statistics

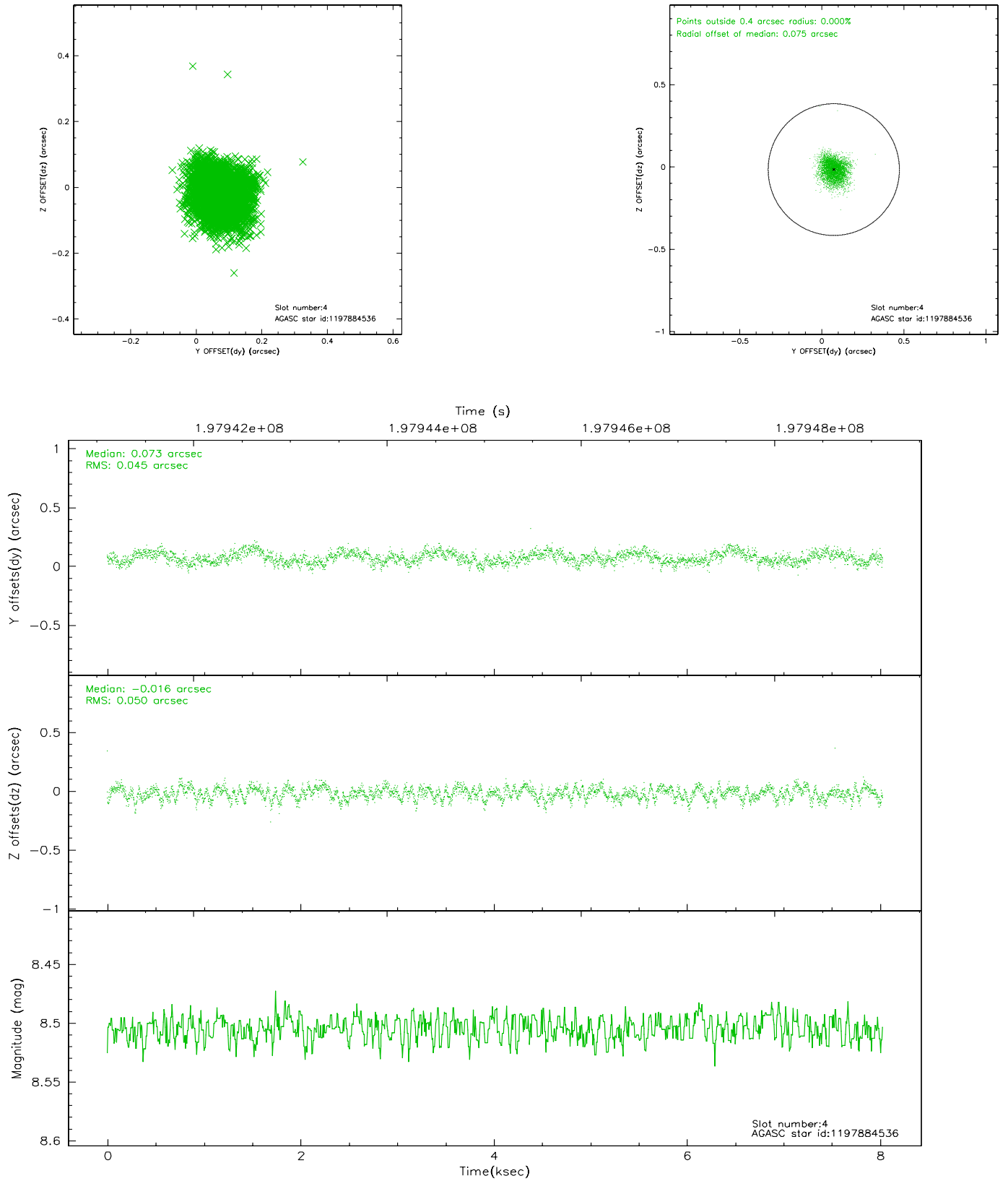
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	1959	-0.048	0.003	0.007	0.011	0.000000	0.000000	-759.28	-1732.11
1	FID	ACIS-S-4	7.21	1959	0.040	0.022	0.004	0.008	0.000000	0.000000	2153.74	175.72
2	FID	ACIS-S-5	7.23	1959	-0.023	-0.017	0.006	0.010	0.000000	0.000000	-1811.23	170.08
3	GUIDE	1197750936	7.57	3918	-0.101	0.103	0.046	0.073	15.387940	-71.549550	1172.37	-1638.91
4	GUIDE	1197884536	8.50	3918	0.073	-0.016	0.072	0.115	17.160729	-71.835289	-876.14	-702.57
5	GUIDE	1197884712	8.29	3917	-0.051	-0.089	0.051	0.085	16.087398	-72.252690	254.38	845.90
6	GUIDE	1197885104	9.36	3915	0.111	-0.027	0.074	0.124	17.845067	-72.189368	-1668.29	553.82
7	GUIDE	1197885328	7.23	3917	-0.032	0.036	0.046	0.076	16.283090	-71.733943	123.27	-1029.51

2.4 Star Slots

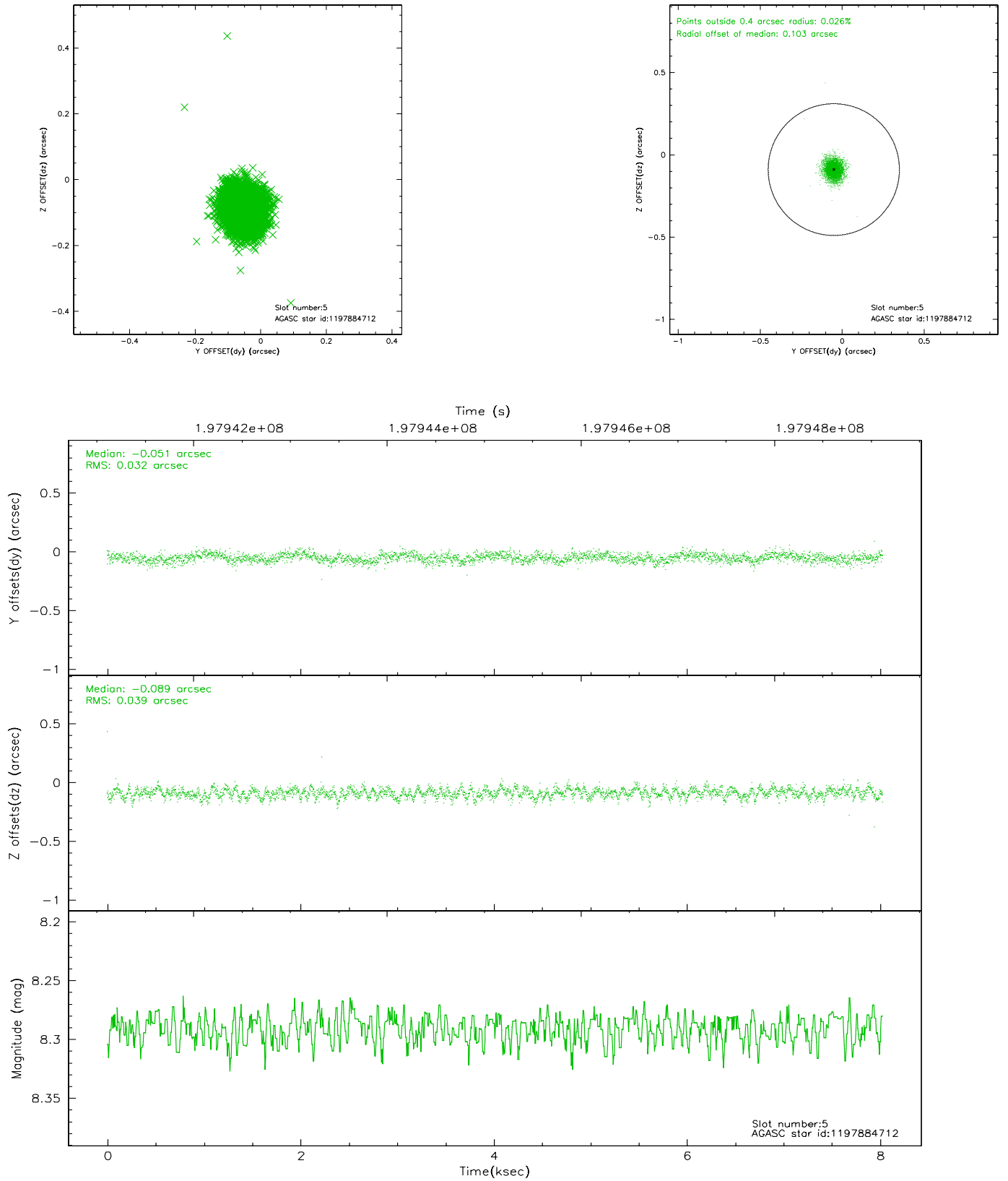
2.4.1 Slot 3



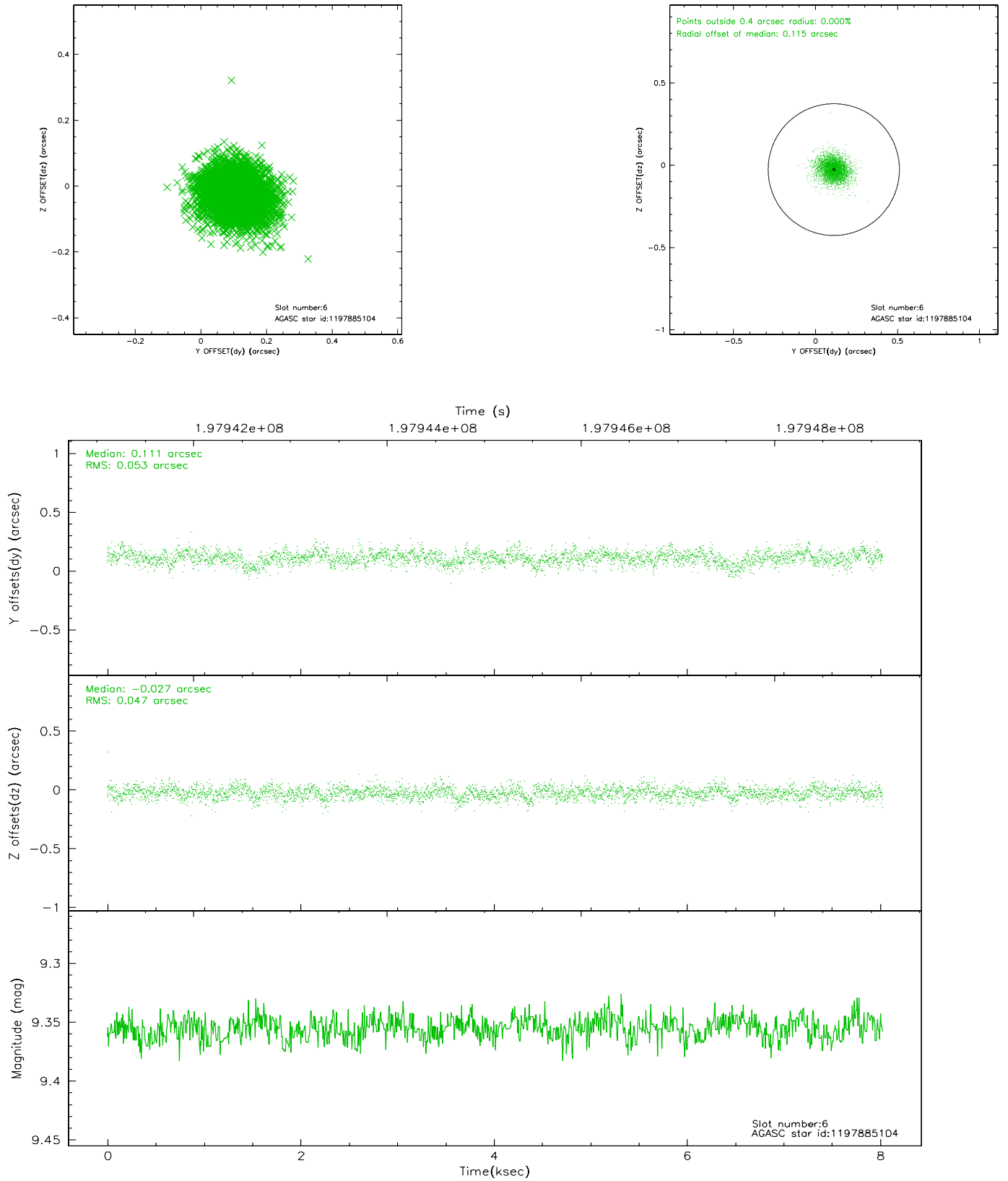
2.4.2 Slot 4



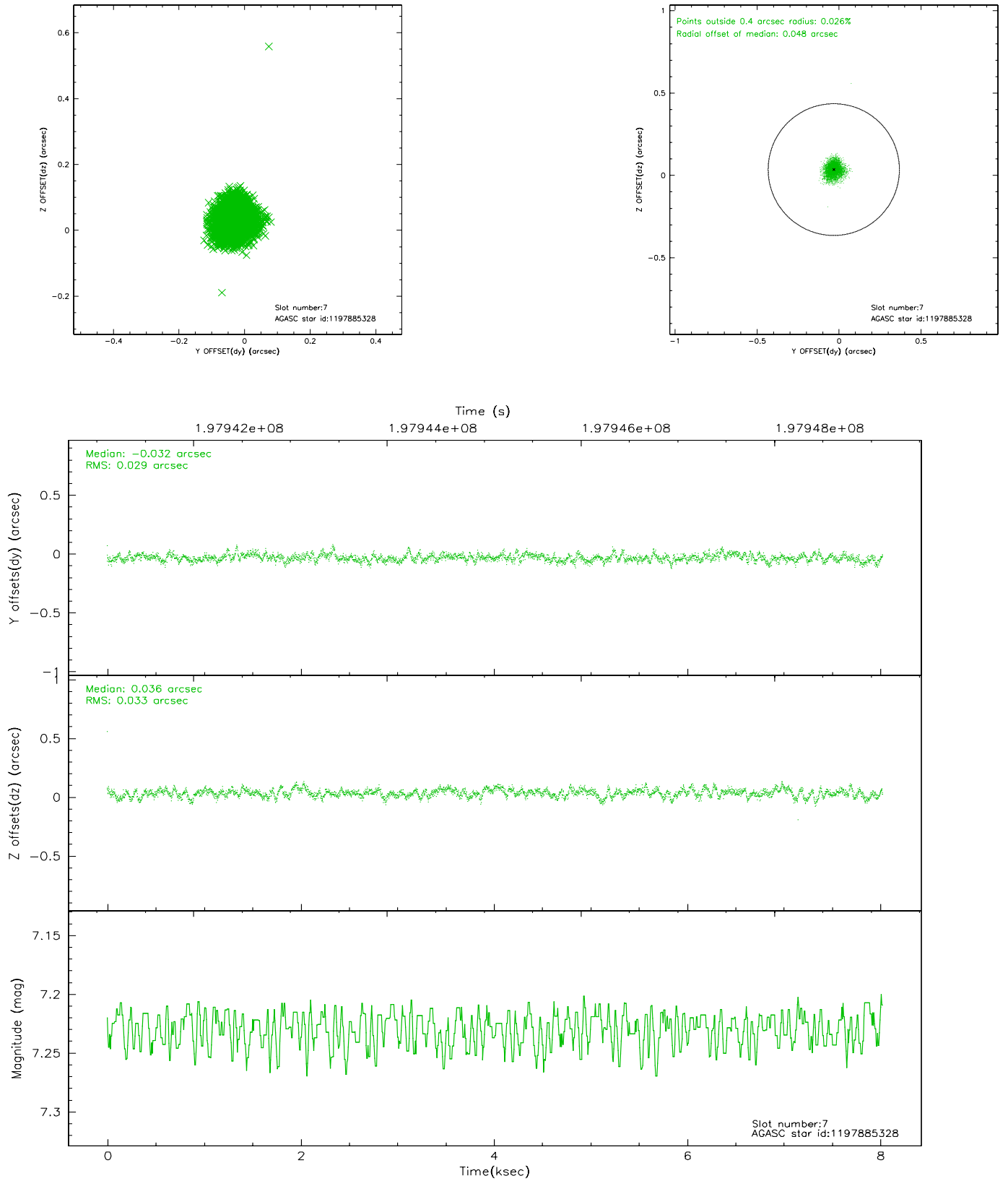
2.4.3 Slot 5



2.4.4 Slot 6

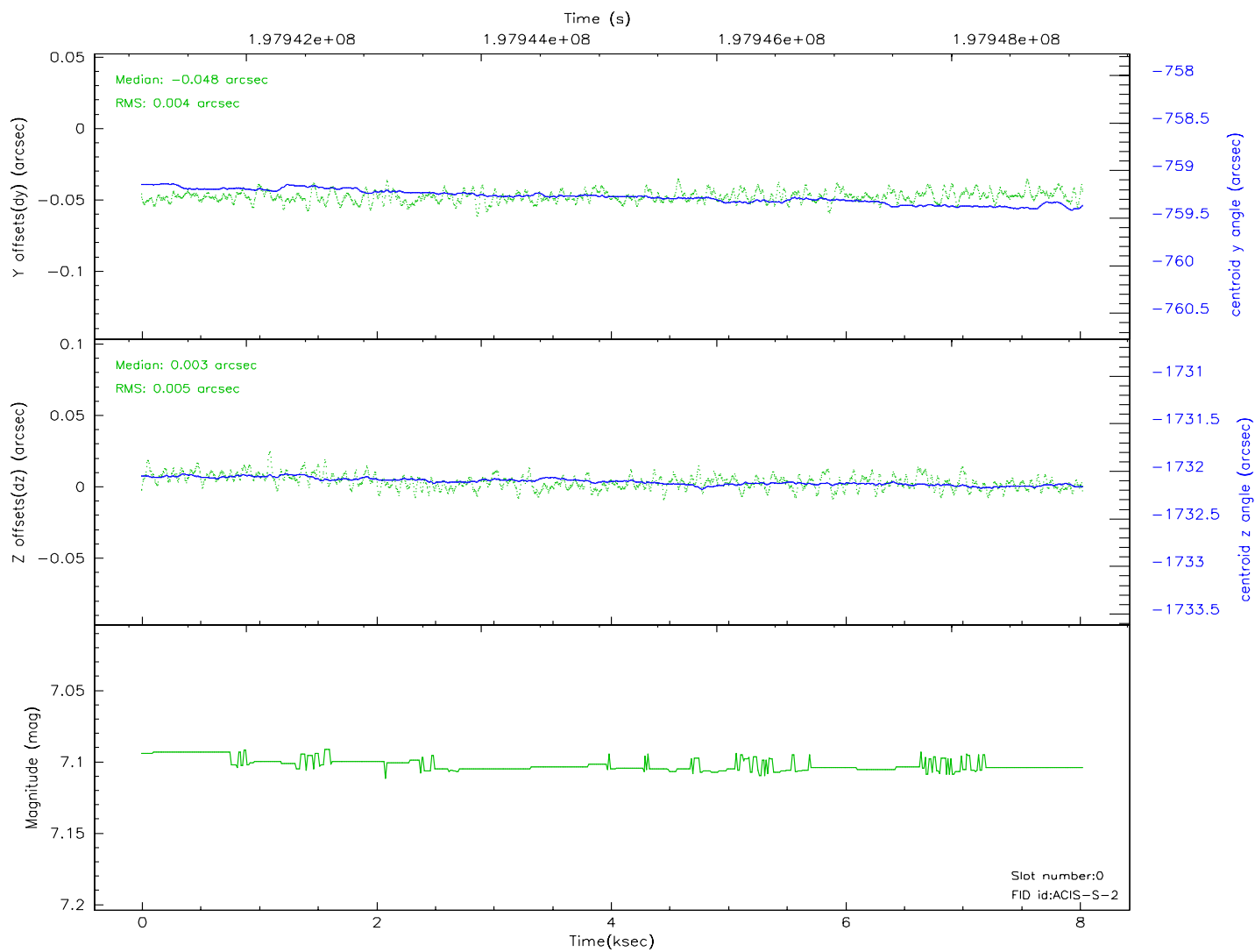
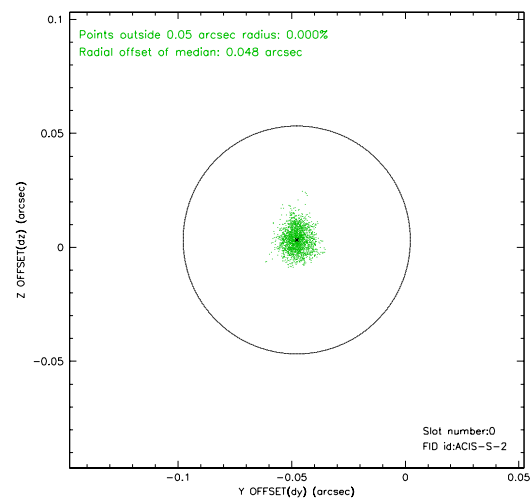
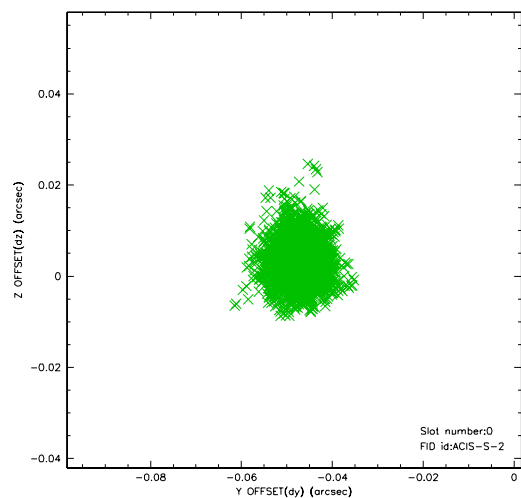


2.4.5 Slot 7

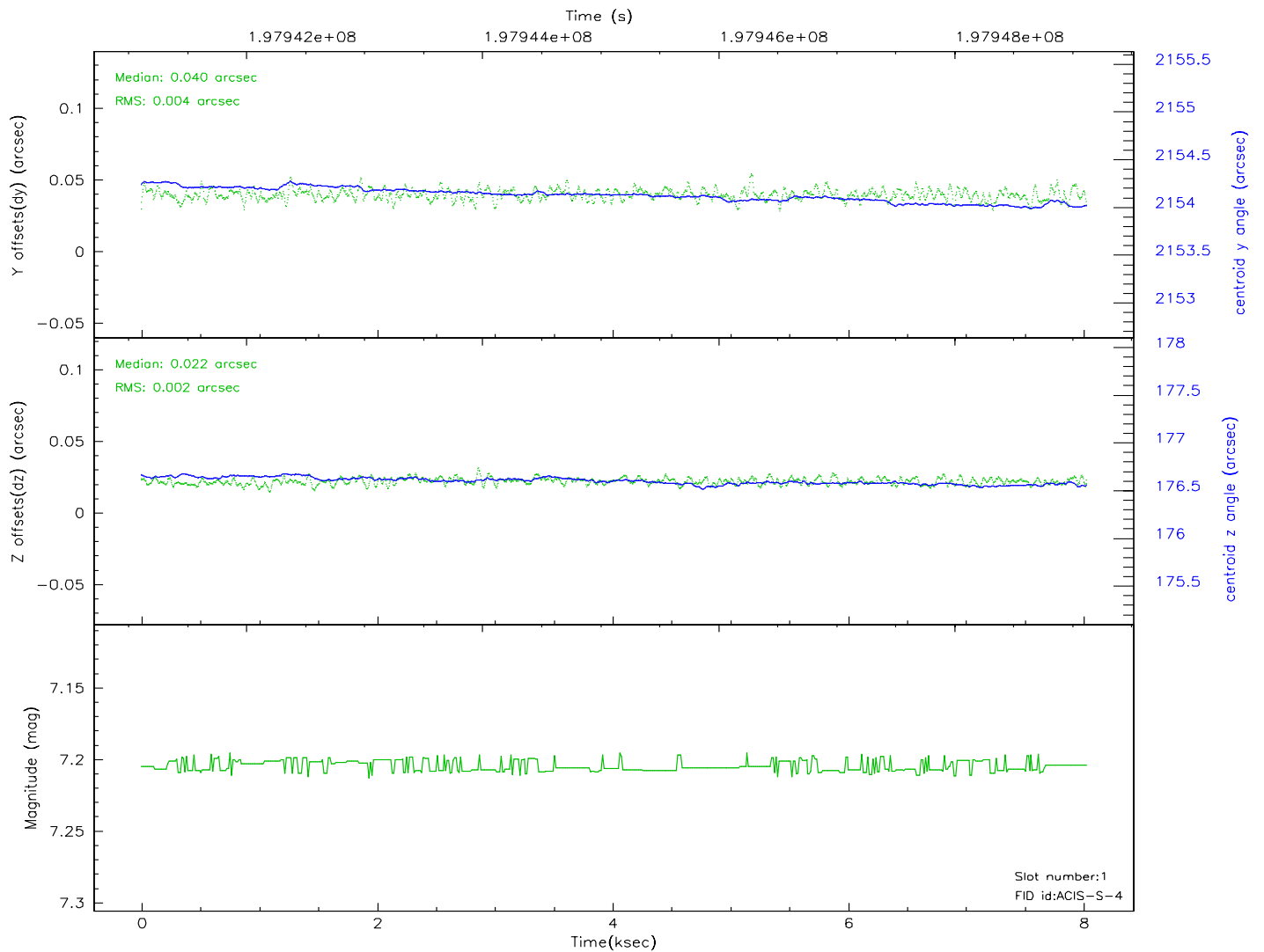
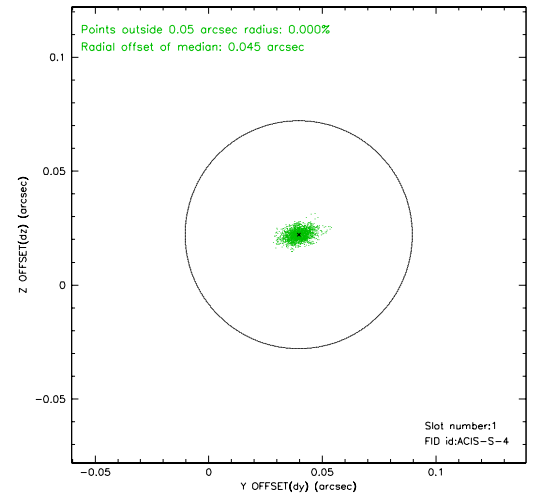
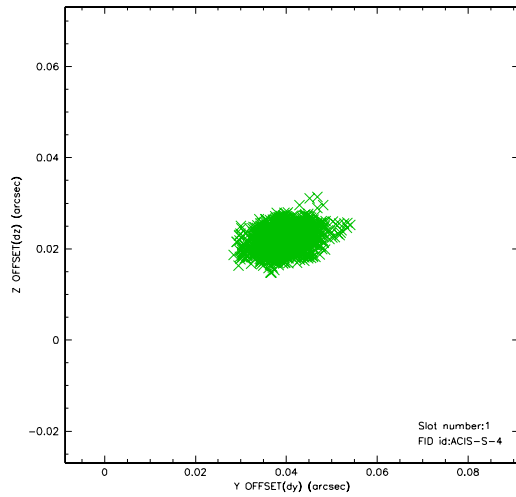


2.5 FID Slots

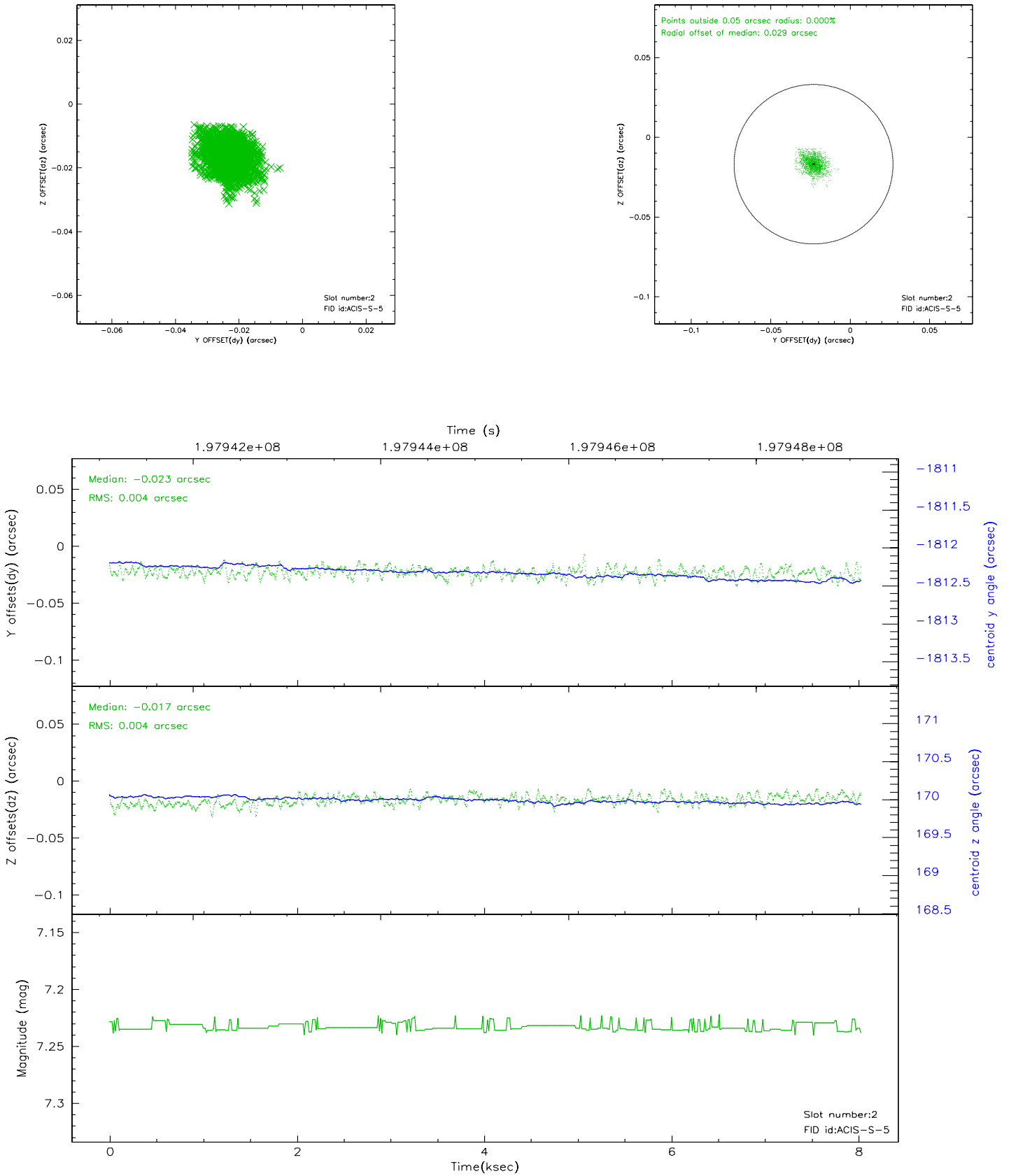
2.5.1 Slot 0



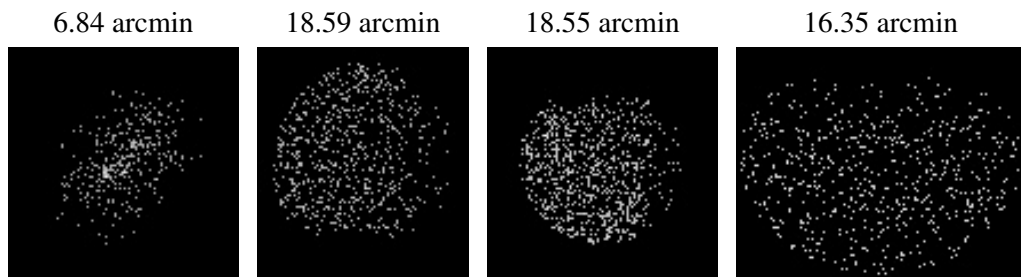
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.05.25
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.599

A.2 Comments

Window constraint met.