

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 6074 - L2 Version 002
Chandra X-Ray Center

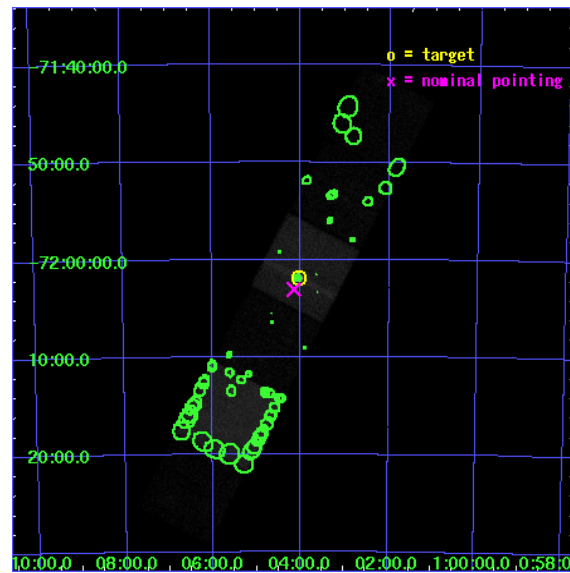
L2 Processing Date : Apr 8 2006

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

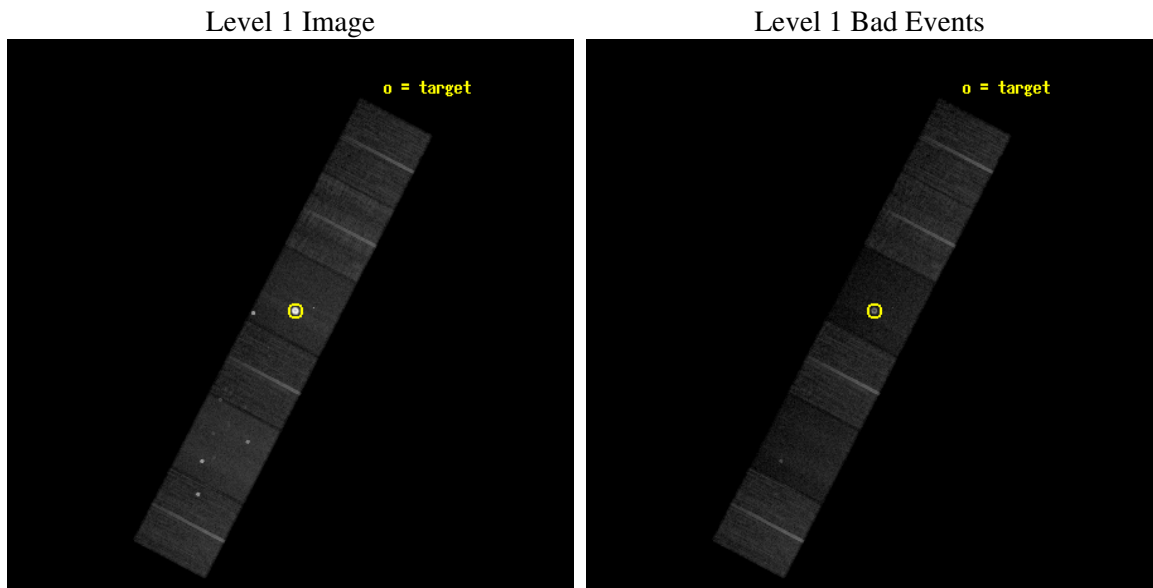
seq_num	590401
obs_id	6074
title	AO6A ACIS-S Calibration Observations of E0102-72
observer	Dr. CXC Calibration
object	E0102-72[S3,-120,1,0,0]
dtcycle	0
cycle	P
ra_targ	16.01
dec_targ	-72.032028
ra_nom	16.035868628224
dec_nom	-72.051184653879
roll_nom	297.4393922424
revision	2
ontime	20099.199925125
livetime	19844.691753387
ontime4	20095.958954841
ontime5	20099.199925125
ontime6	20099.199925125
ontime7	20099.199925125
ontime8	20099.199925125
ontime9	20095.958934933
l2events	313184



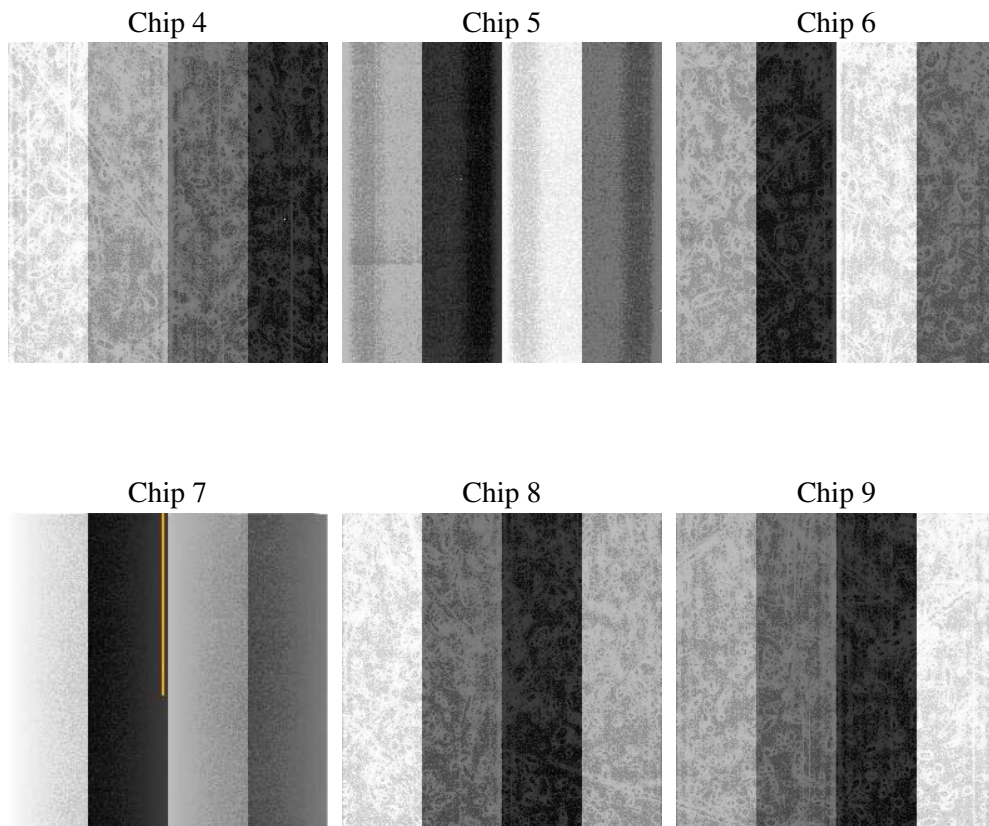
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-04-08T21:38:41
revision	2

sched_exp_time	20000.000000
ontime	20103.941945344
ontime4	20100.70097506
ontime5	20103.941975266
ontime6	20103.941945344
ontime7	20103.941945344
ontime8	20103.941945344
ontime9	20100.700955153
l1events	970500

2.1.4 Events

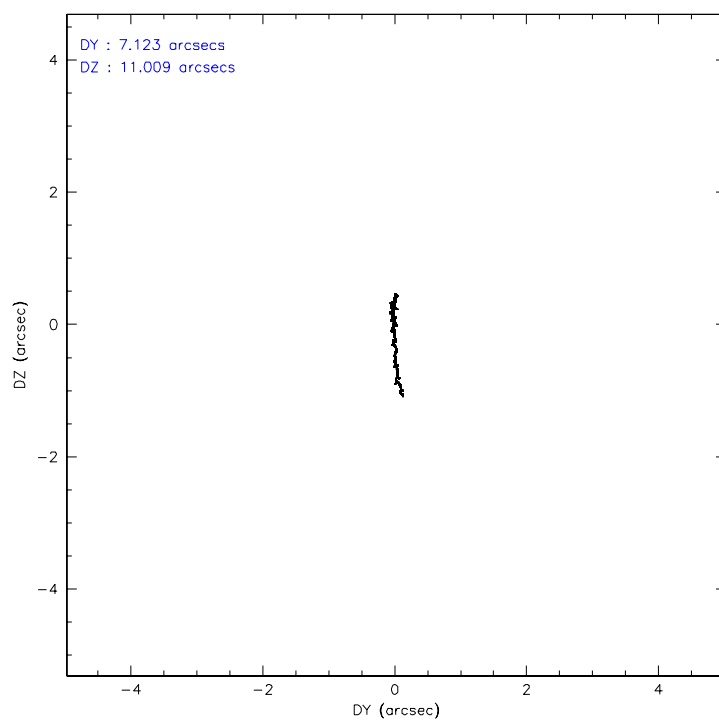
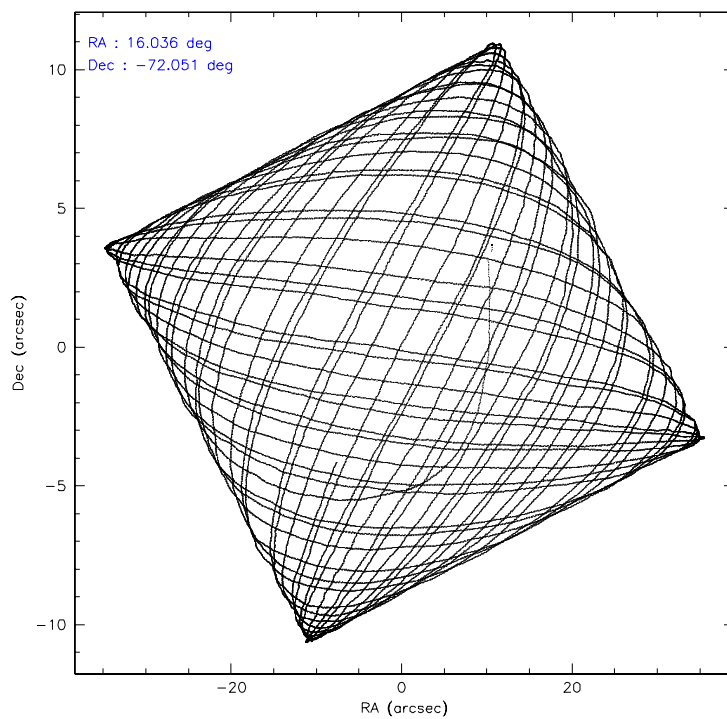
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	148419	156076	127102	266107	154091	118705
rejected events	130113	72149	111923	66003	118236	105867
rejected %	87%	46%	88%	24%	76%	89%

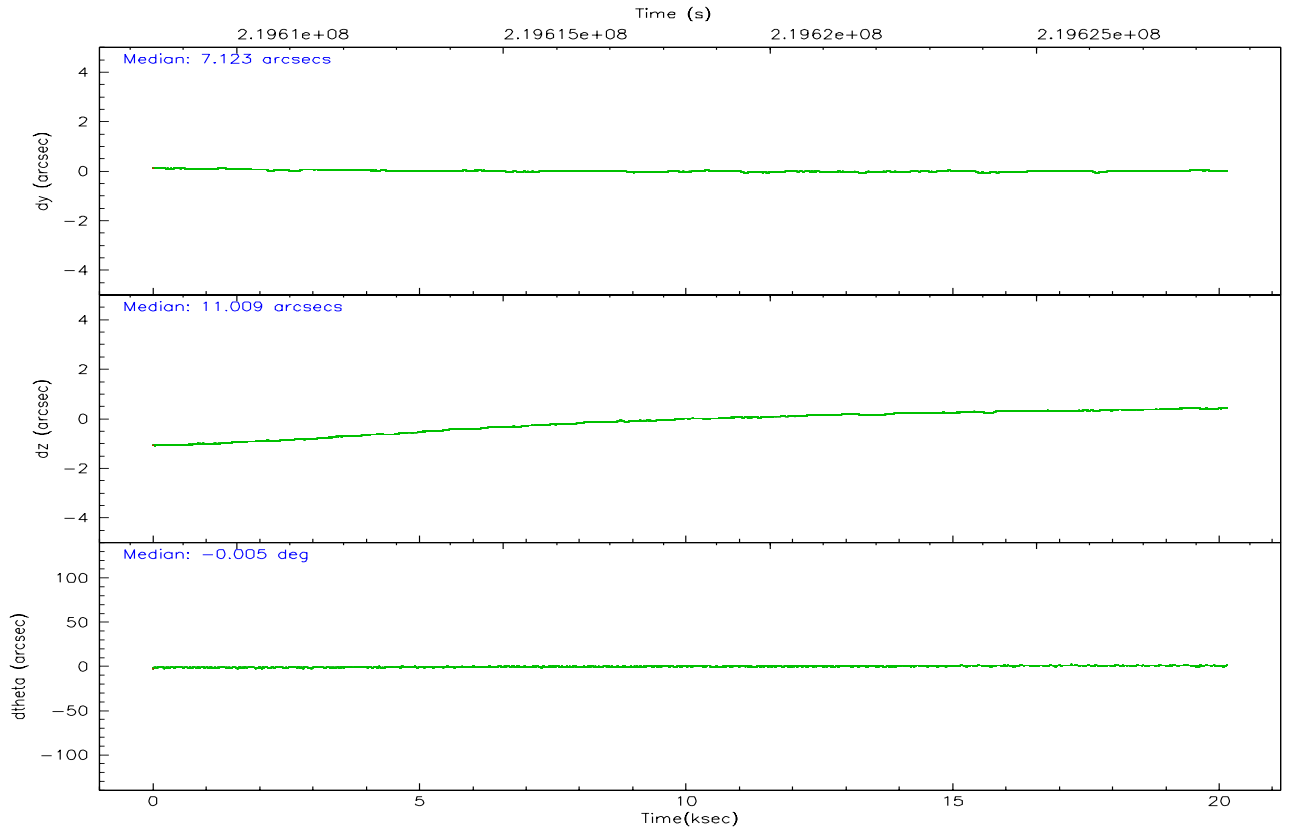
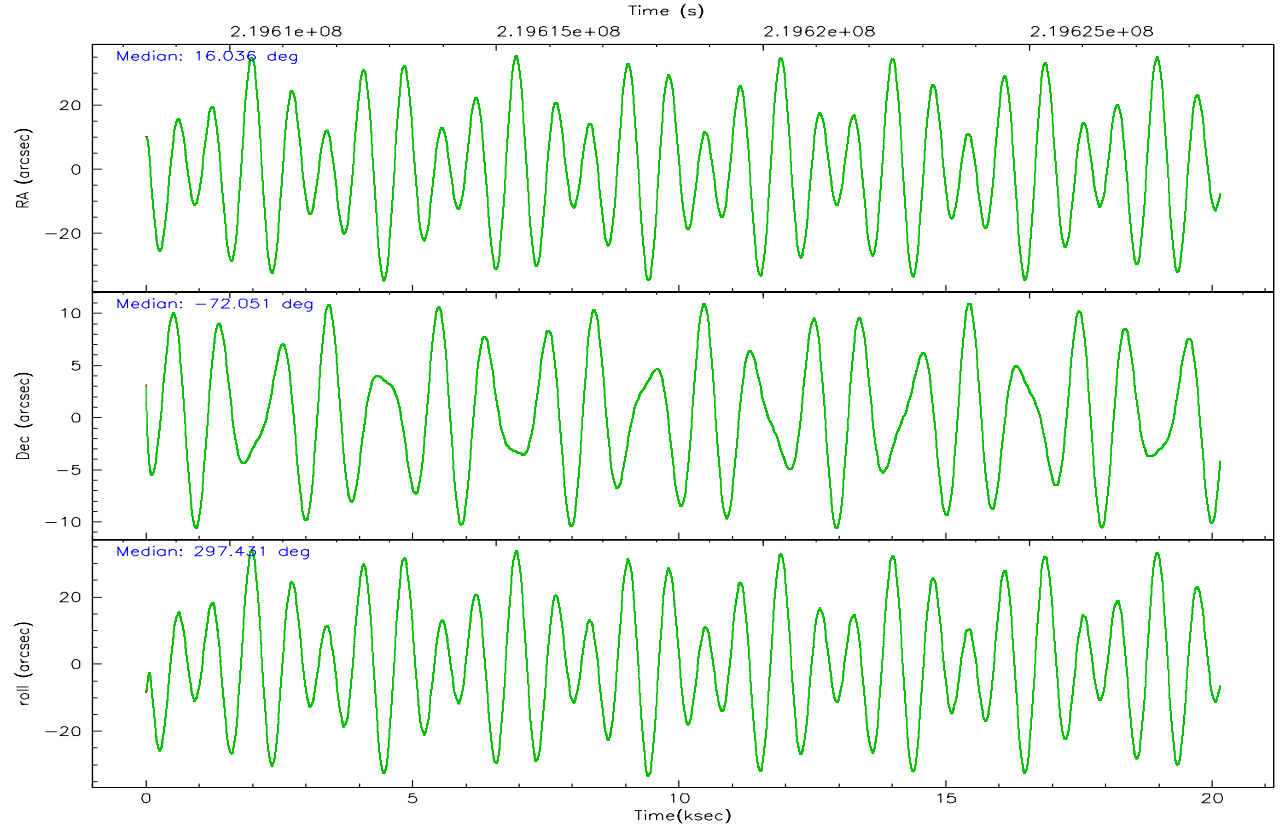
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	10237	8162	6858	59255	10792	4651
	6%	5%	5%	22%	7%	3%
grade 1 events	129	475	63	942	112	52
	0%	0%	0%	0%	0%	0%
grade 2 events	3015	28954	2895	52442	7930	2643
	2%	18%	2%	19%	5%	2%
grade 3 events	1531	2310	1454	19969	4081	1478
	1%	1%	1%	7%	2%	1%
grade 4 events	1425	2166	1396	19279	3640	1447
	0%	1%	1%	7%	2%	1%
grade 5 events	3929	8002	3992	11193	6194	4572
	2%	5%	3%	4%	4%	3%
grade 6 events	2109	42359	2580	49232	9414	2621
	1%	27%	2%	18%	6%	2%
grade 7 events	126044	63648	107864	53795	111928	101241
	84%	40%	84%	20%	72%	85%

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	15.960881	16.0358686282239	Alternating exposures requested	N	N
Pointing Dec	-72.036820	-72.05118465387886	Primary exposure time	0.000000	3.2
Pointing Roll	297.211433	297.4393922423989			
Window start time	215654464.184000	215654464.184000			
Window stop time	220838464.184000	220838464.184000			
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	219608582.184000	219607493.61516			
Observation start date	2004-12-16T18:21:58	2004-12-16T18:04:53			
Observation end time	219628582.184000	219628716.24112			
Observation end date	2004-12-16T23:55:18	2004-12-16T23:58:36			
Read mode	TIMED	TIMED			

2.3 Aspect



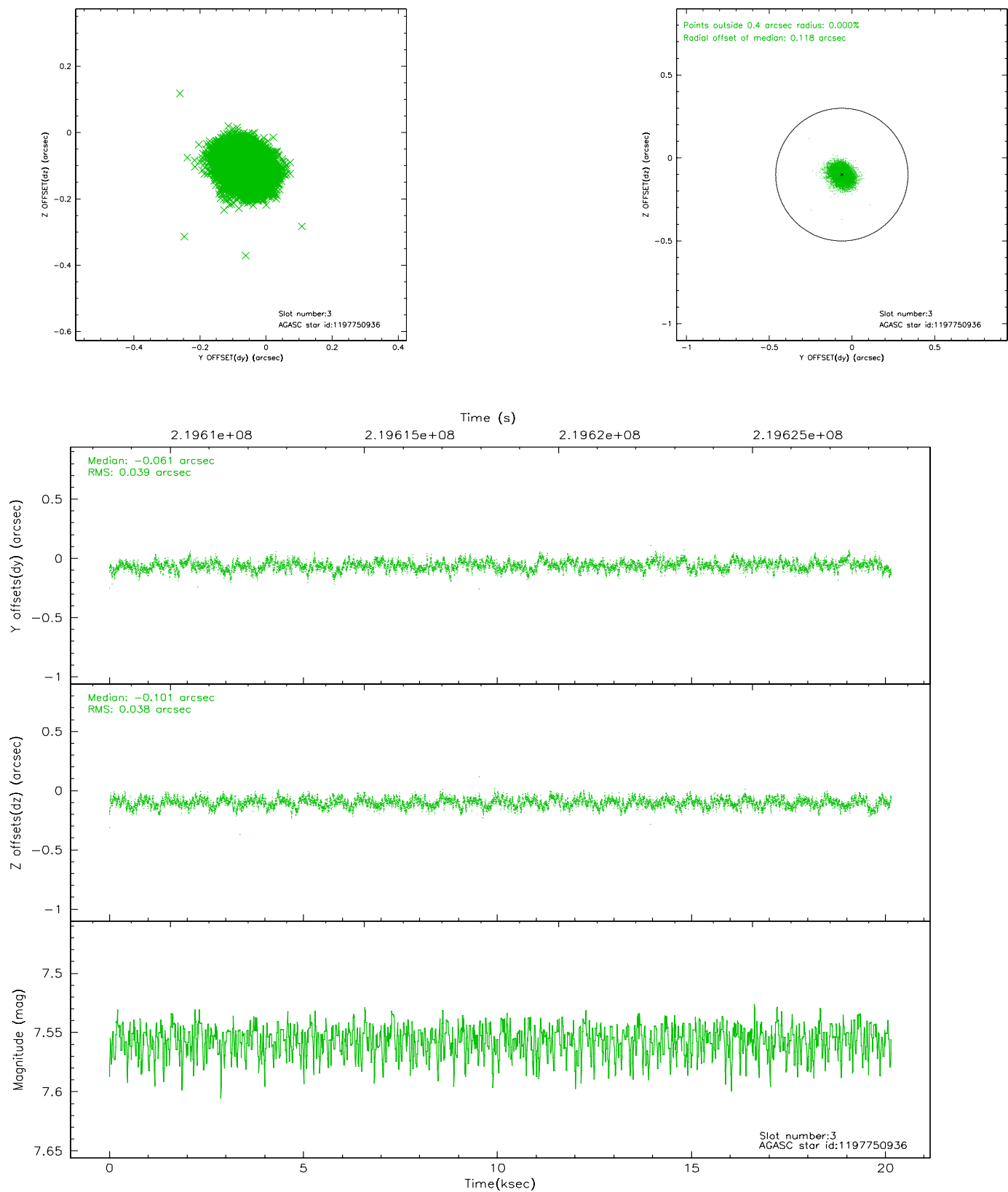


Slot Statistics

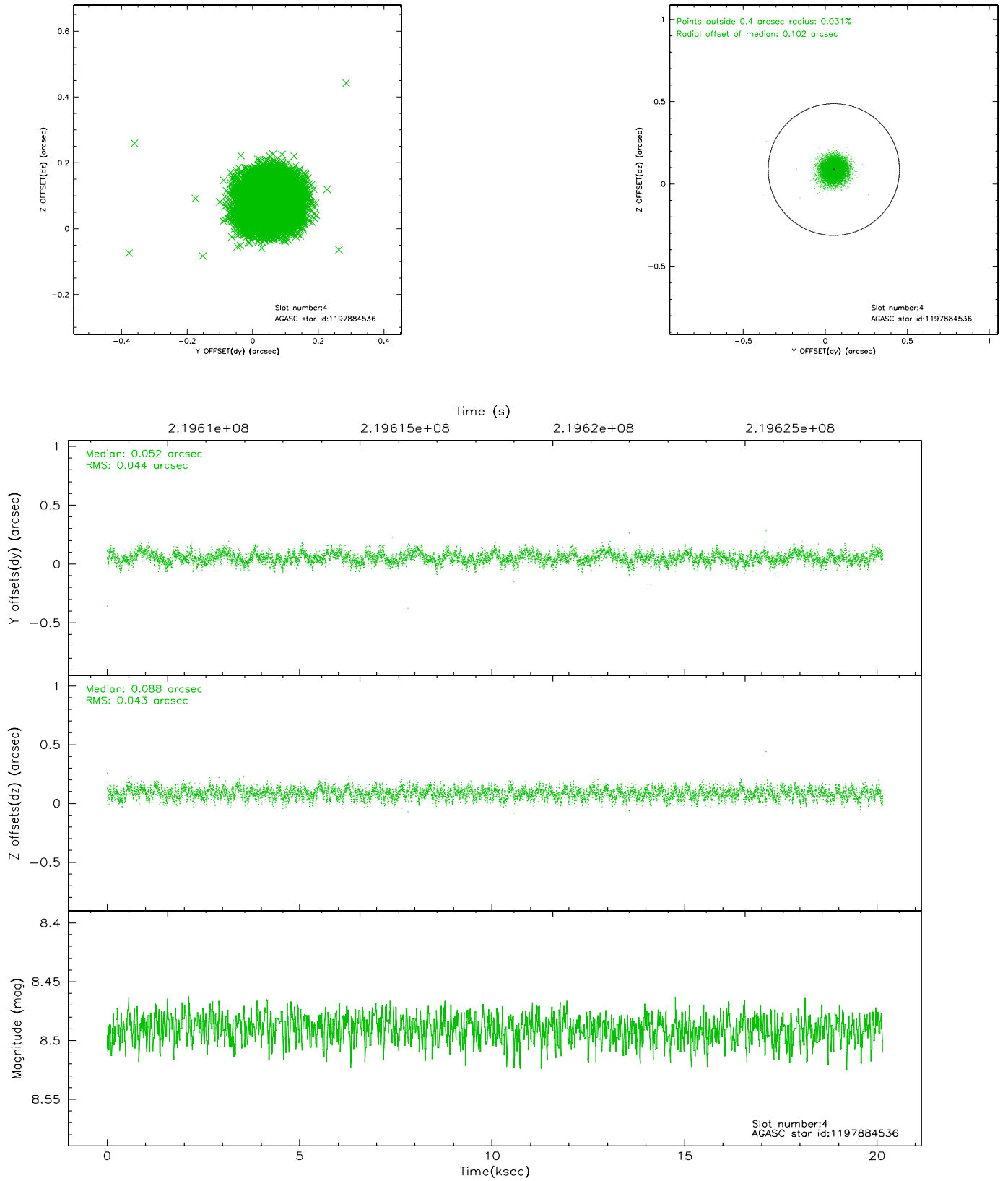
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	4915	-0.039	-0.019	0.009	0.016	0.000000	0.000000	-759.90	-1732.16
1	FID	ACIS-S-4	7.20	4915	0.041	0.016	0.010	0.015	0.000000	0.000000	2153.35	176.20
2	FID	ACIS-S-6	7.35	4915	-0.031	0.012	0.008	0.014	0.000000	0.000000	402.30	813.78
3	GUIDE	1197750936	7.56	9830	-0.061	-0.101	0.058	0.092	15.387940	-71.549550	-1855.48	219.99
4	GUIDE	1197884536	8.49	9828	0.052	0.088	0.066	0.104	17.160729	-71.835289	-17.76	1523.42
5	GUIDE	1197884712	8.31	9829	0.101	0.066	0.053	0.087	16.087398	-72.252690	755.08	-231.41
6	GUIDE	1197885328	7.22	9830	0.004	-0.030	0.060	0.097	16.283090	-71.733943	-802.41	822.09
7	GUIDE	1198189696	7.38	9829	-0.100	-0.018	0.052	0.082	15.223750	-72.697522	1759.08	-1791.20

2.4 Star Slots

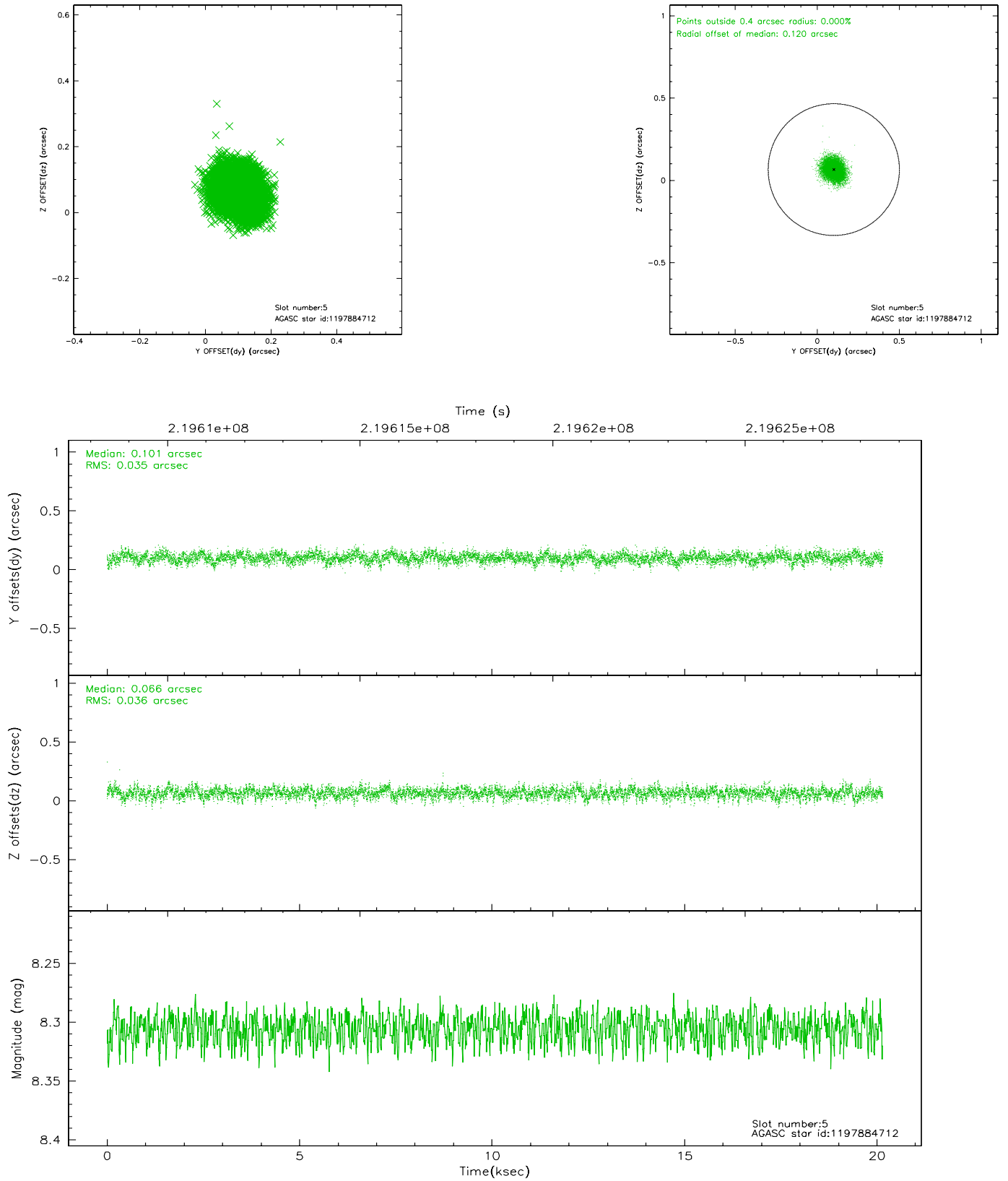
2.4.1 Slot 3



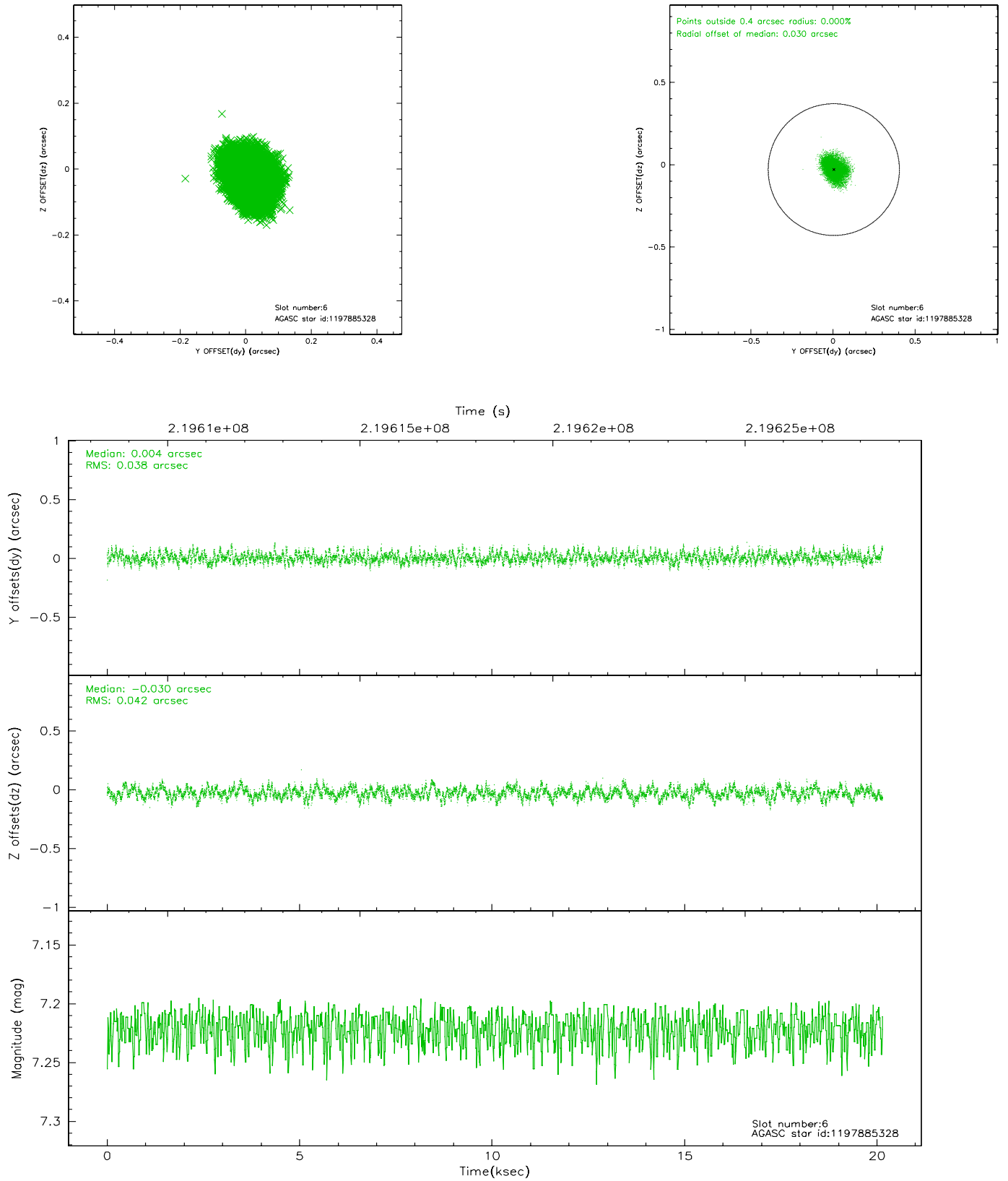
2.4.2 Slot 4



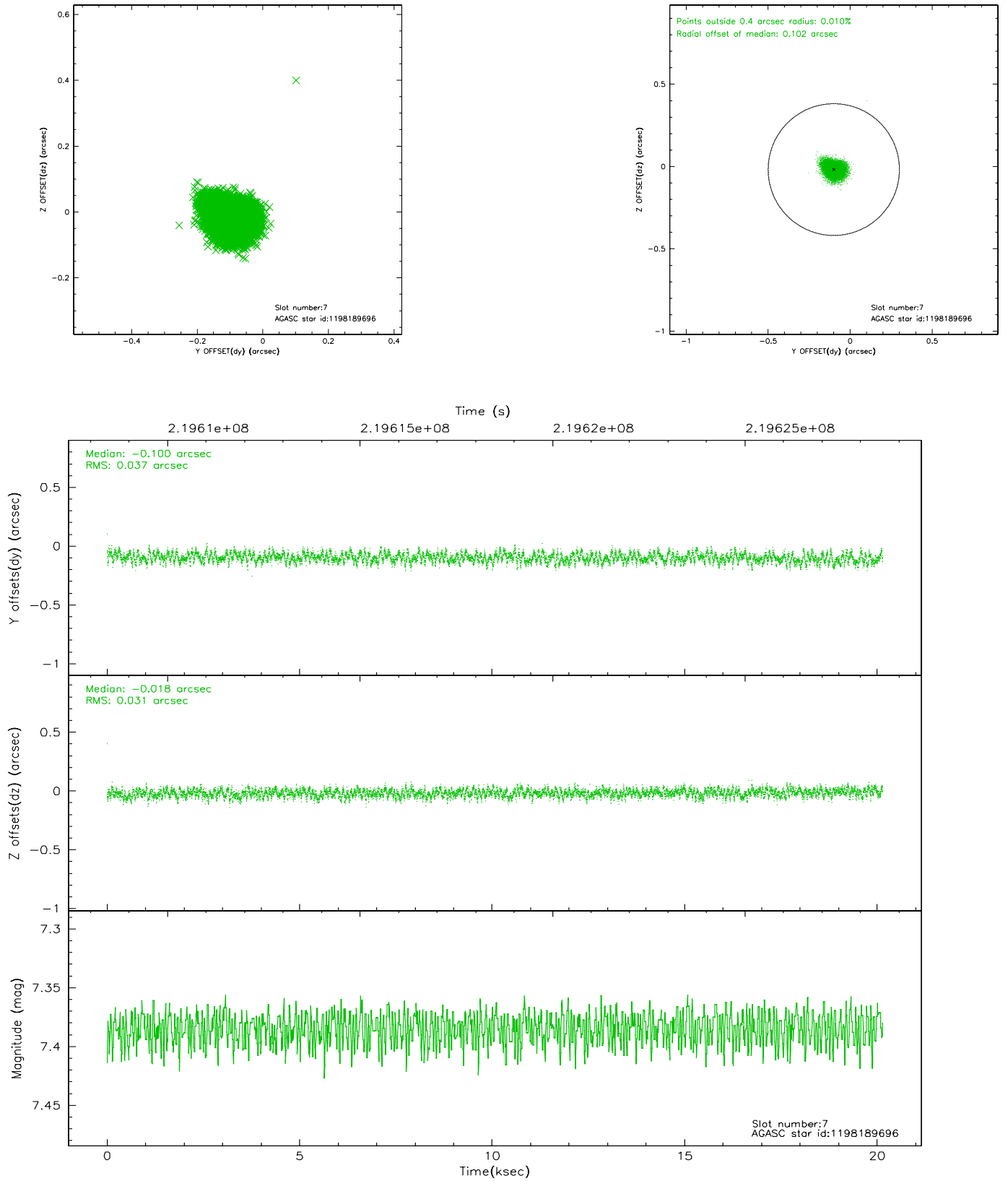
2.4.3 Slot 5



2.4.4 Slot 6

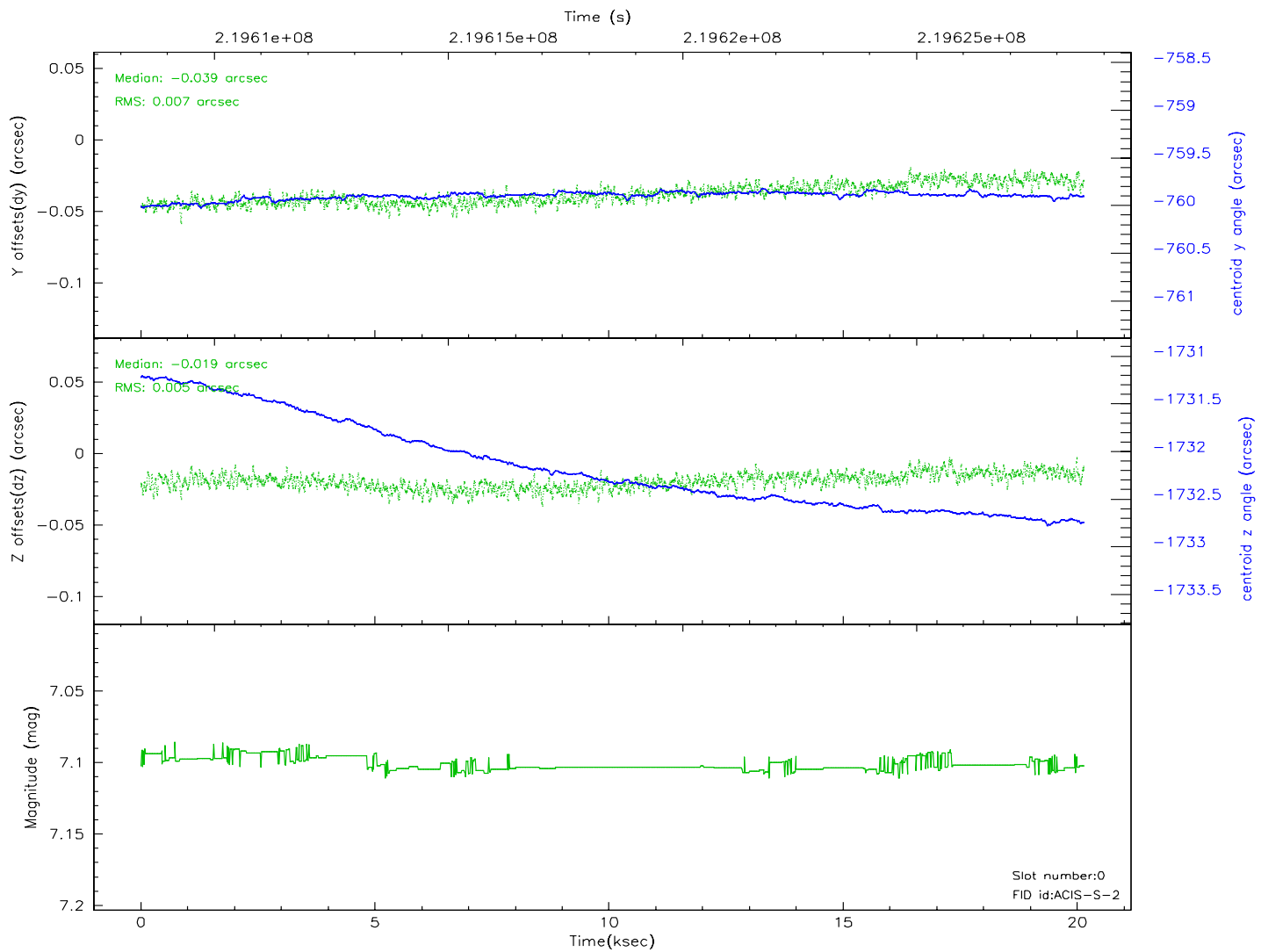
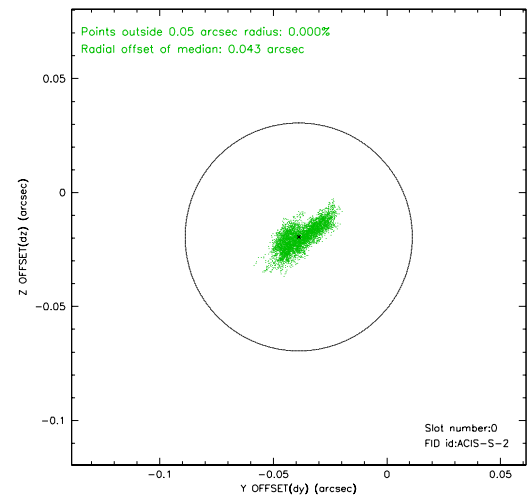
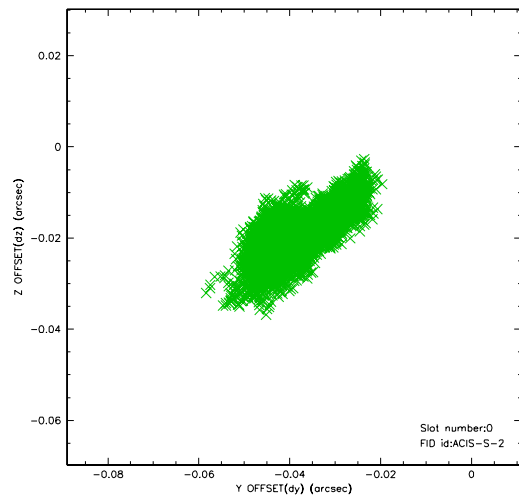


2.4.5 Slot 7

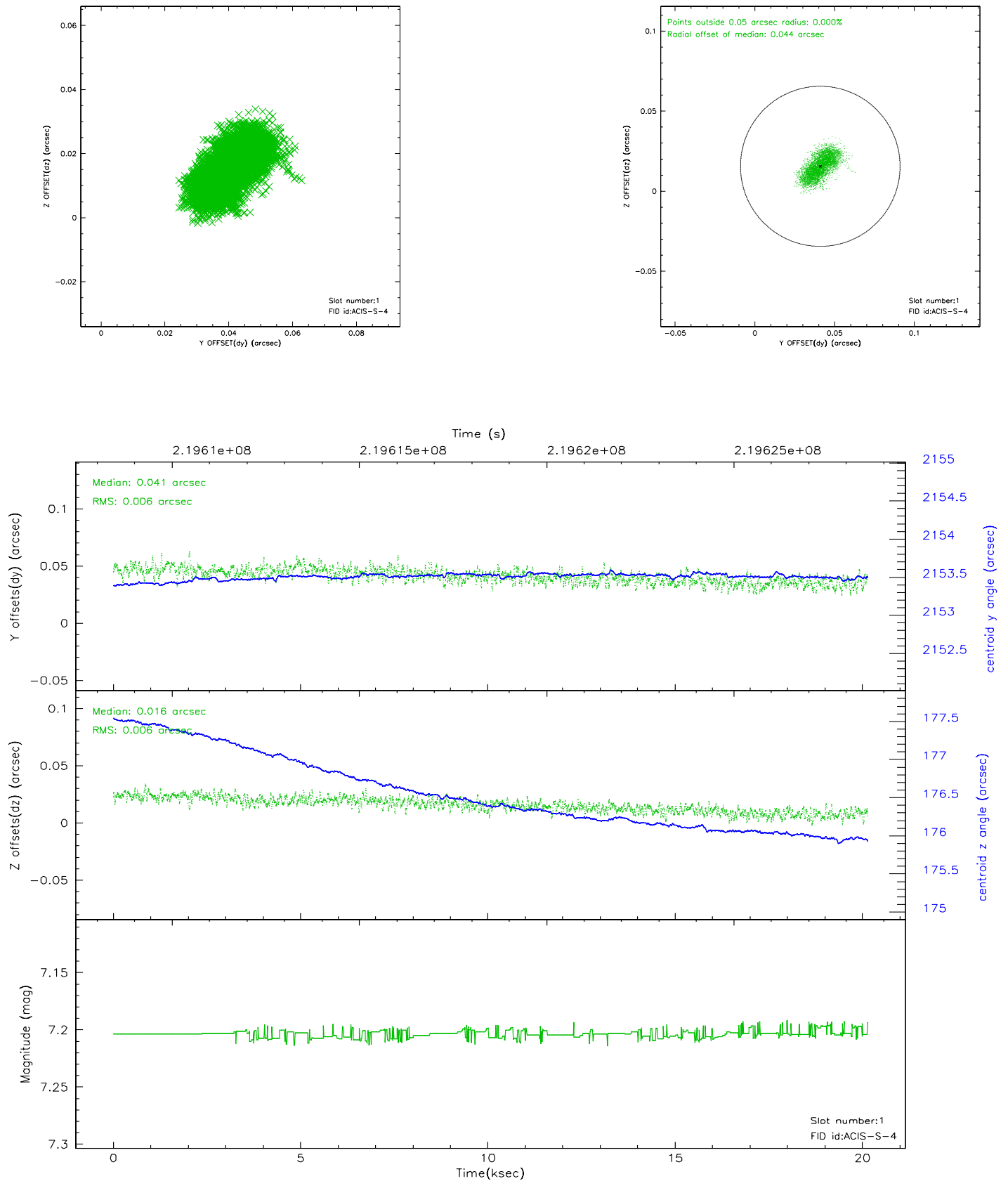


2.5 FID Slots

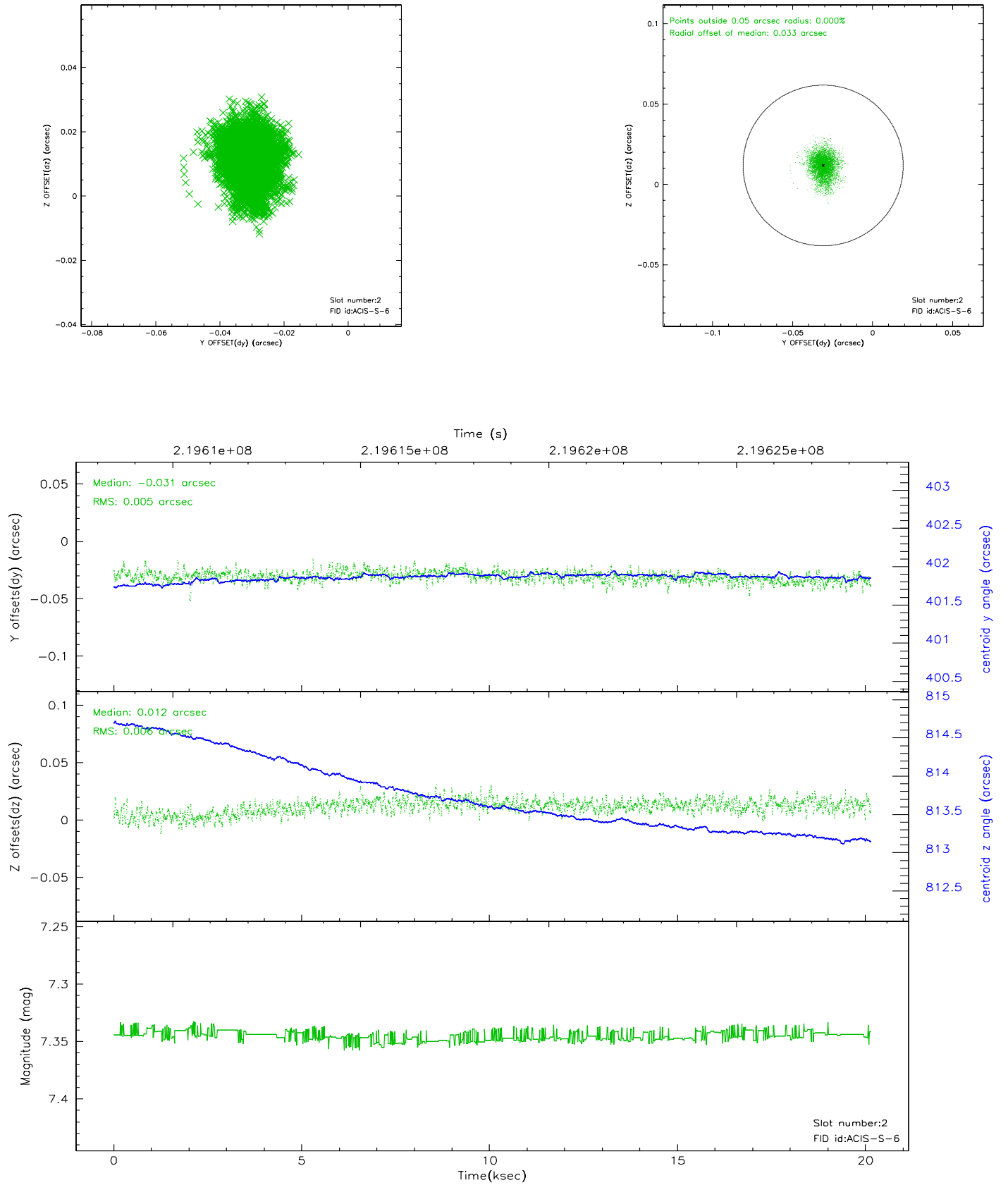
2.5.1 Slot 0



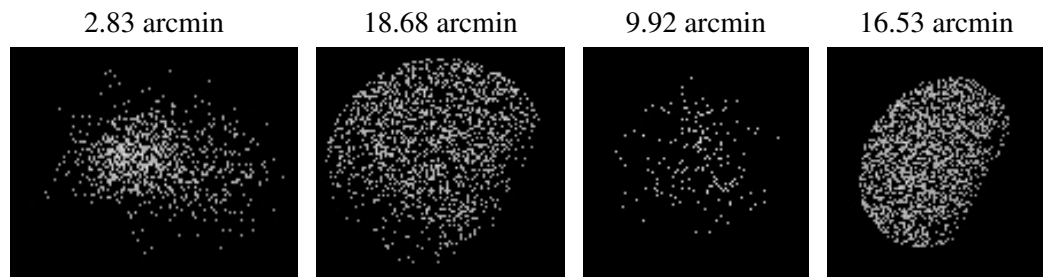
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.04.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	20.09919

A.2 Comments

Window constraint met.