

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 5729 - L2 Version 002
Chandra X-Ray Center

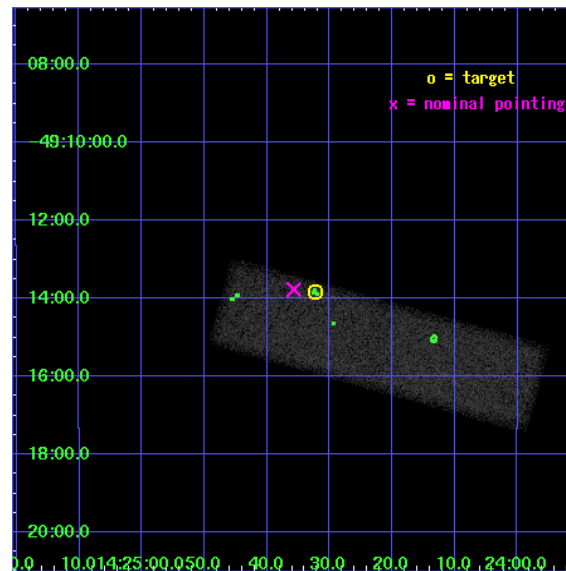
L2 Processing Date: Feb 28 2006

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

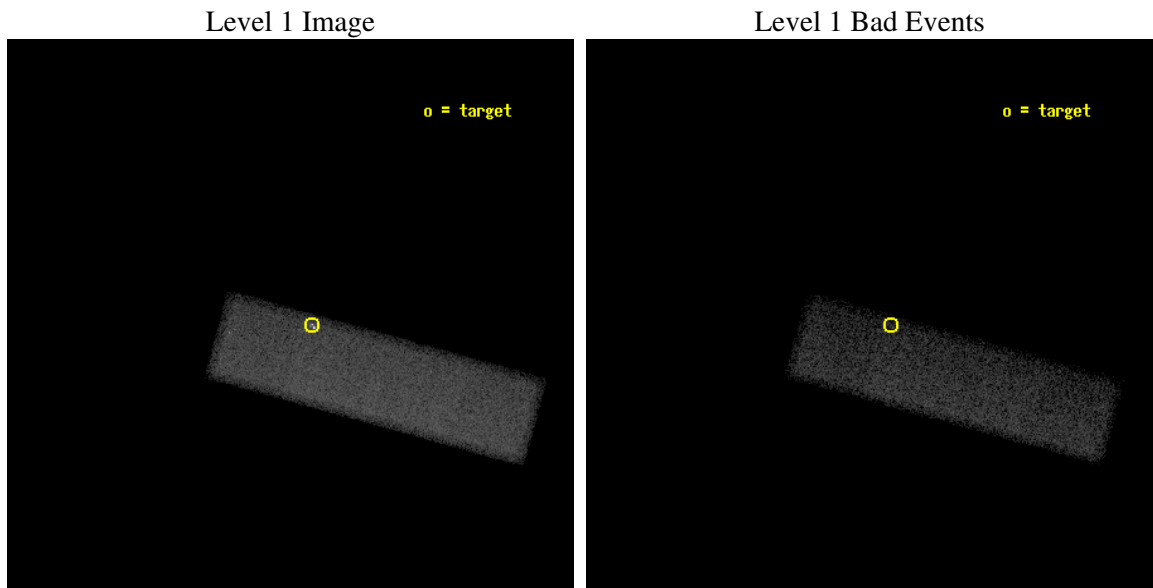
seq_num	701151
obs_id	5729
title	A Study of the Physics of Extended Relativistic X-ray Jets, Discovered in our Chandra Survey
observer	Dr Jonathan Gelbord
object	PKS 1421-490
dtcycle	0
cycle	P
ra_targ	216.134167
dec_targ	-49.230556
ra_nom	216.14888565765
dec_nom	-49.22968678404
roll_nom	15.29595125074
revision	2
ontime	51965.600774348
livetime	49429.849495242
ontime7	51965.600774348
l2events	59496



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7
caldbver	3.2.1
date	2006-02-28T23:40:27
revision	2

sched_exp_time	51800.000000
ontime	52653.662653655
ontime7	52653.662653655
l1events	140576

2.1.4 Events

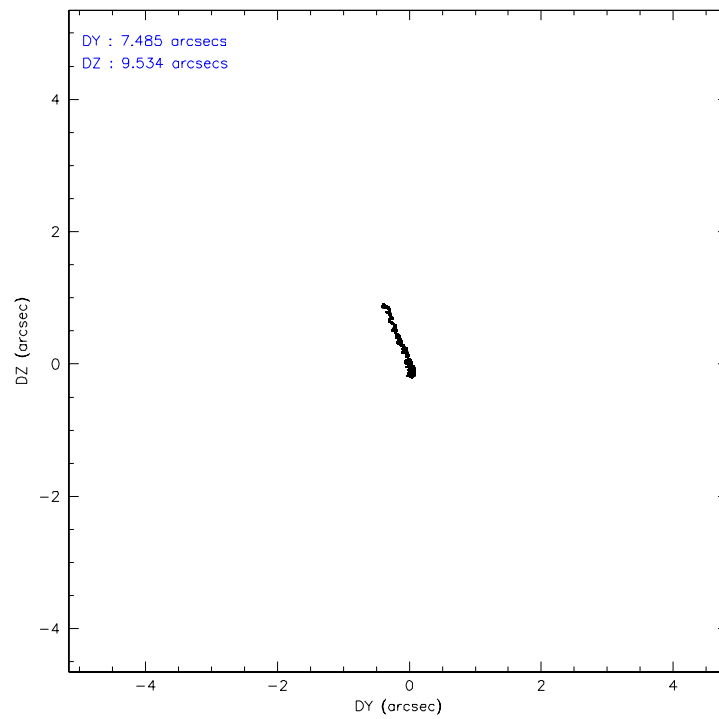
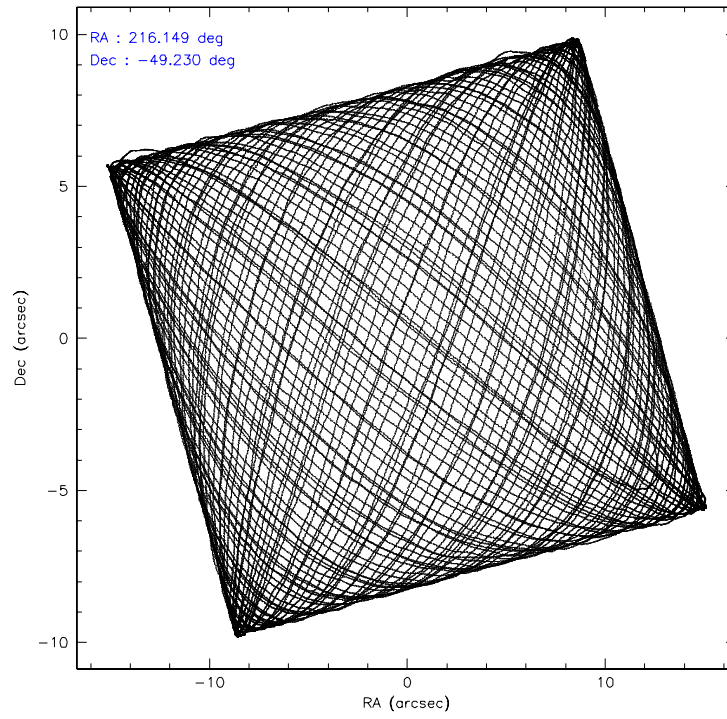
	ccd 7
level 1 events	140576
rejected events	79538
rejected %	56%

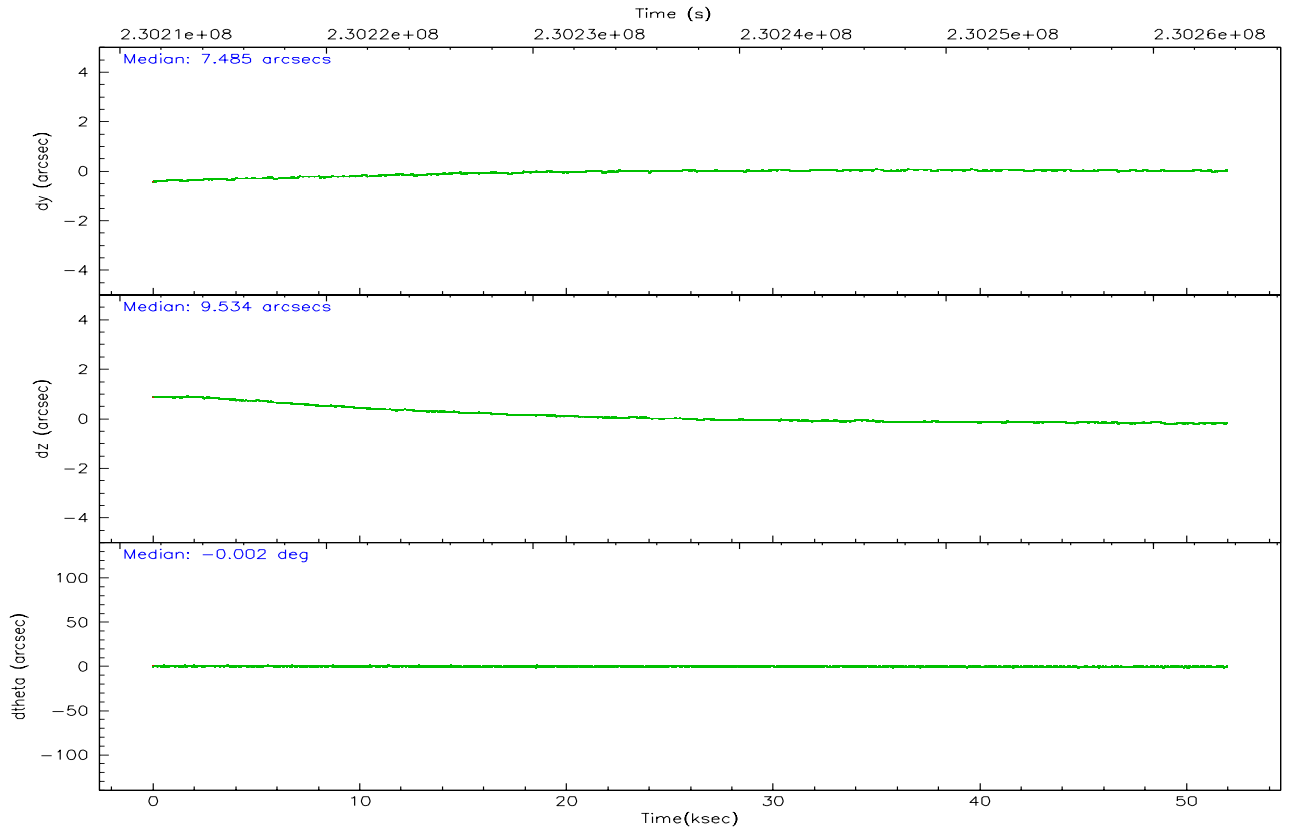
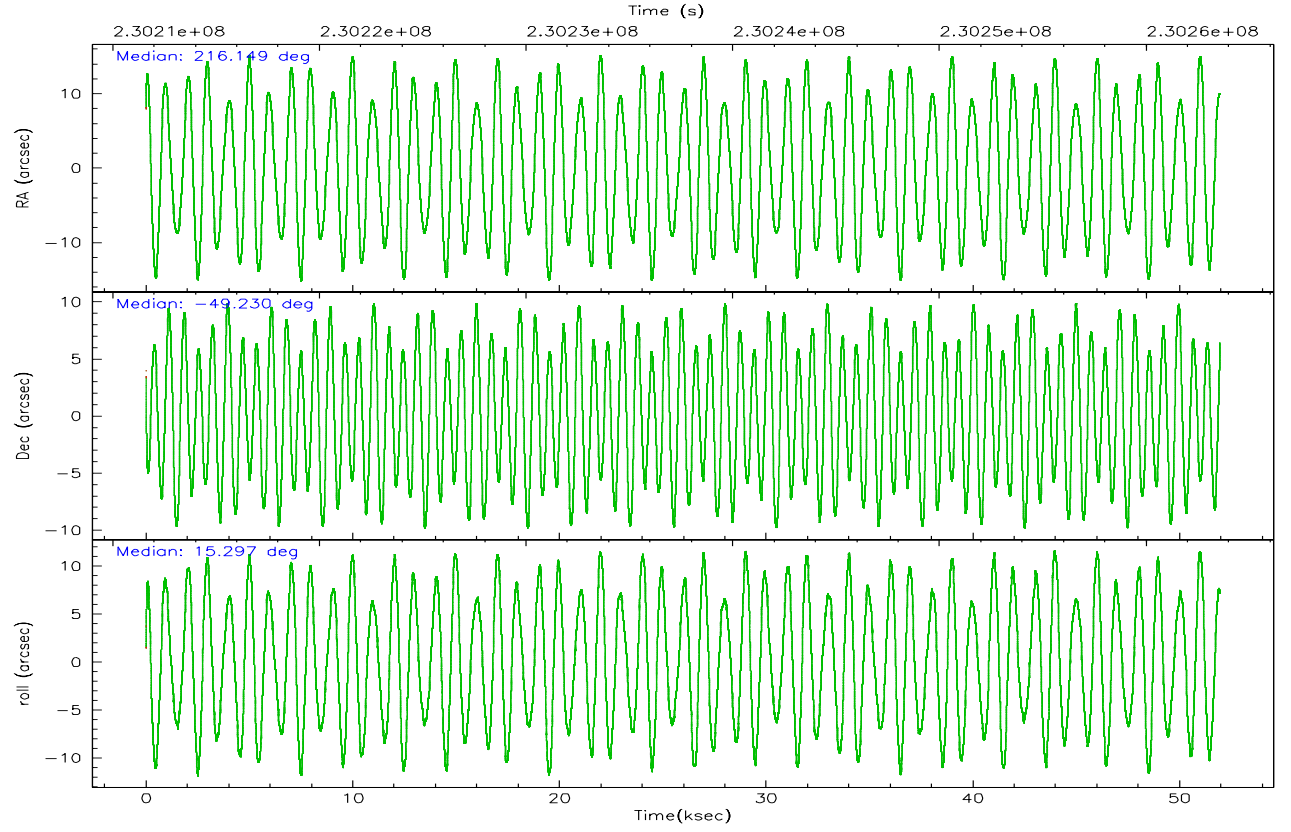
	ccd 7
grade 0 events	4840
	3%
grade 1 events	95
	0%
grade 2 events	13479
	9%
grade 3 events	5880
	4%
grade 4 events	5540
	3%
grade 5 events	10939
	7%
grade 6 events	32138
	22%
grade 7 events	67665
	48%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	CUSTOM	1/4
Pointing RA	216.119977	216.1488856576547	Subarray start row	1	1
Pointing Dec	-49.249294	-49.22968678404037	Subarray row count	256	256
Pointing Roll	15.117427	15.29595125074031	Alternating exposures requested	N	N
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Primary exposure time	0.000000	0.8
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-178.632523	-178.6370735452349			
SIM translation stage offset (mm)	-11.5	-11.49544903777291			
Observation start time	230211782.184000	230210809.54489			
Observation start date	2005-04-18T11:41:58	2005-04-18T11:26:49			
Observation end time	230263582.184000	230264198.72231			
Observation end date	2005-04-19T02:05:18	2005-04-19T02:16:38			
Read mode	TIMED	TIMED			

2.3 Aspect



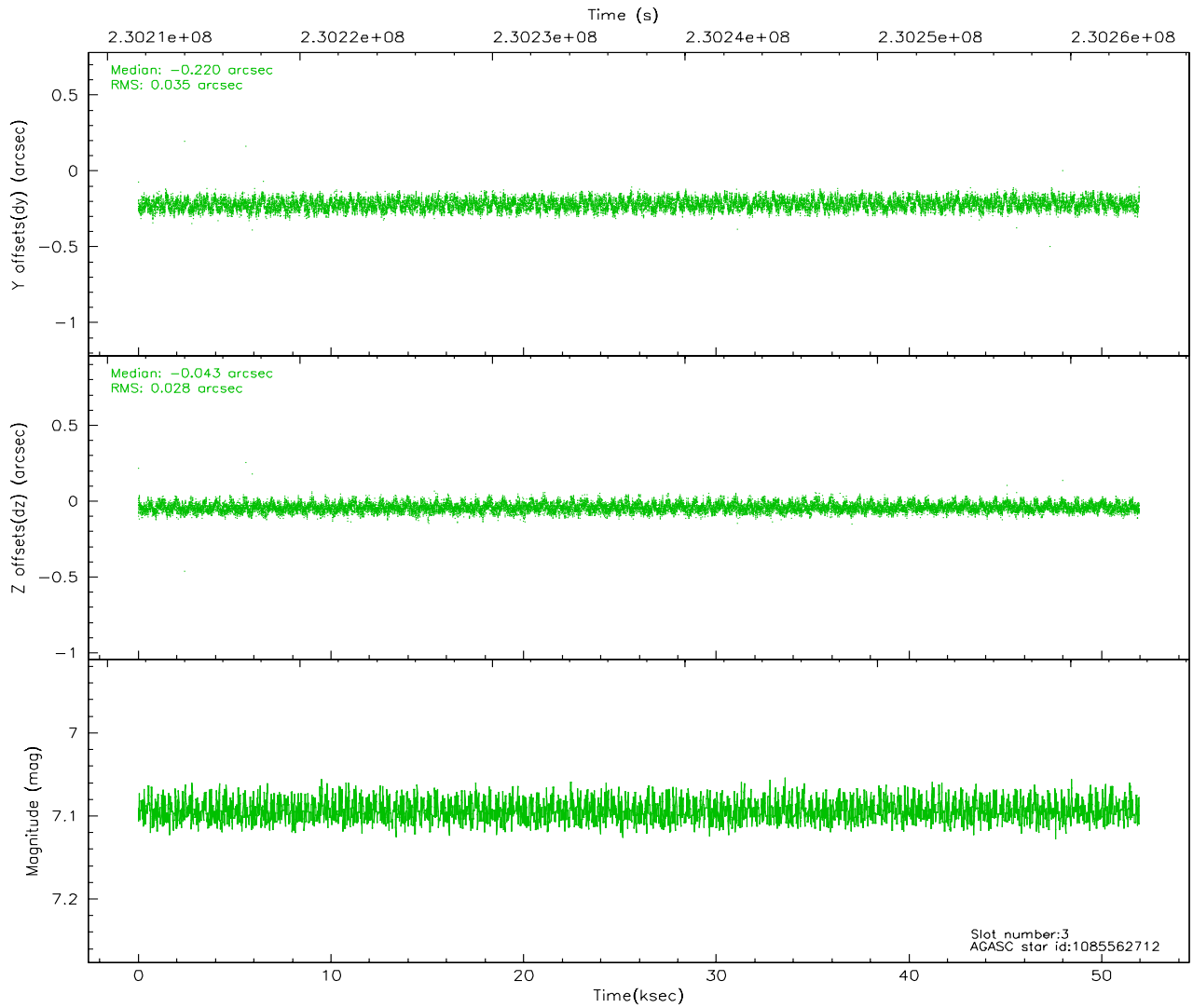
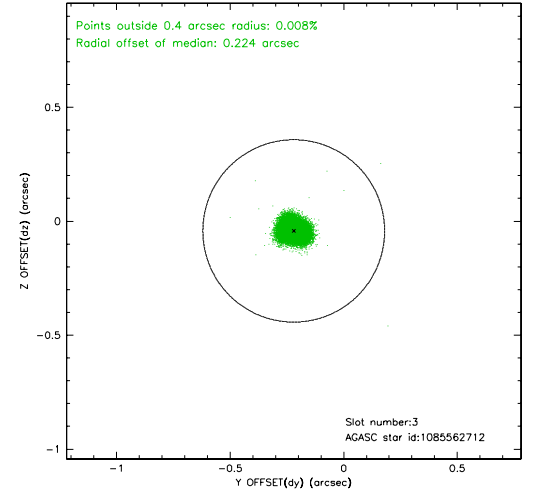
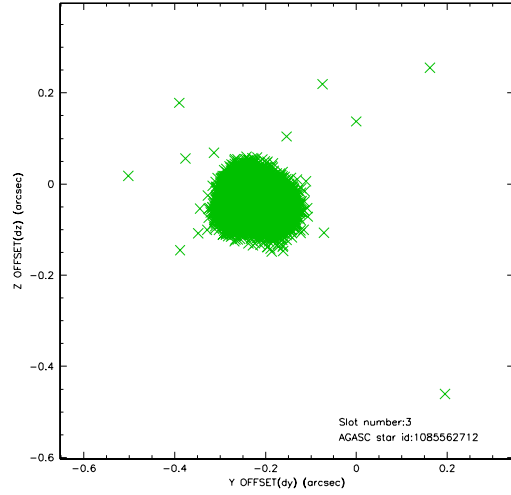


Slot Statistics

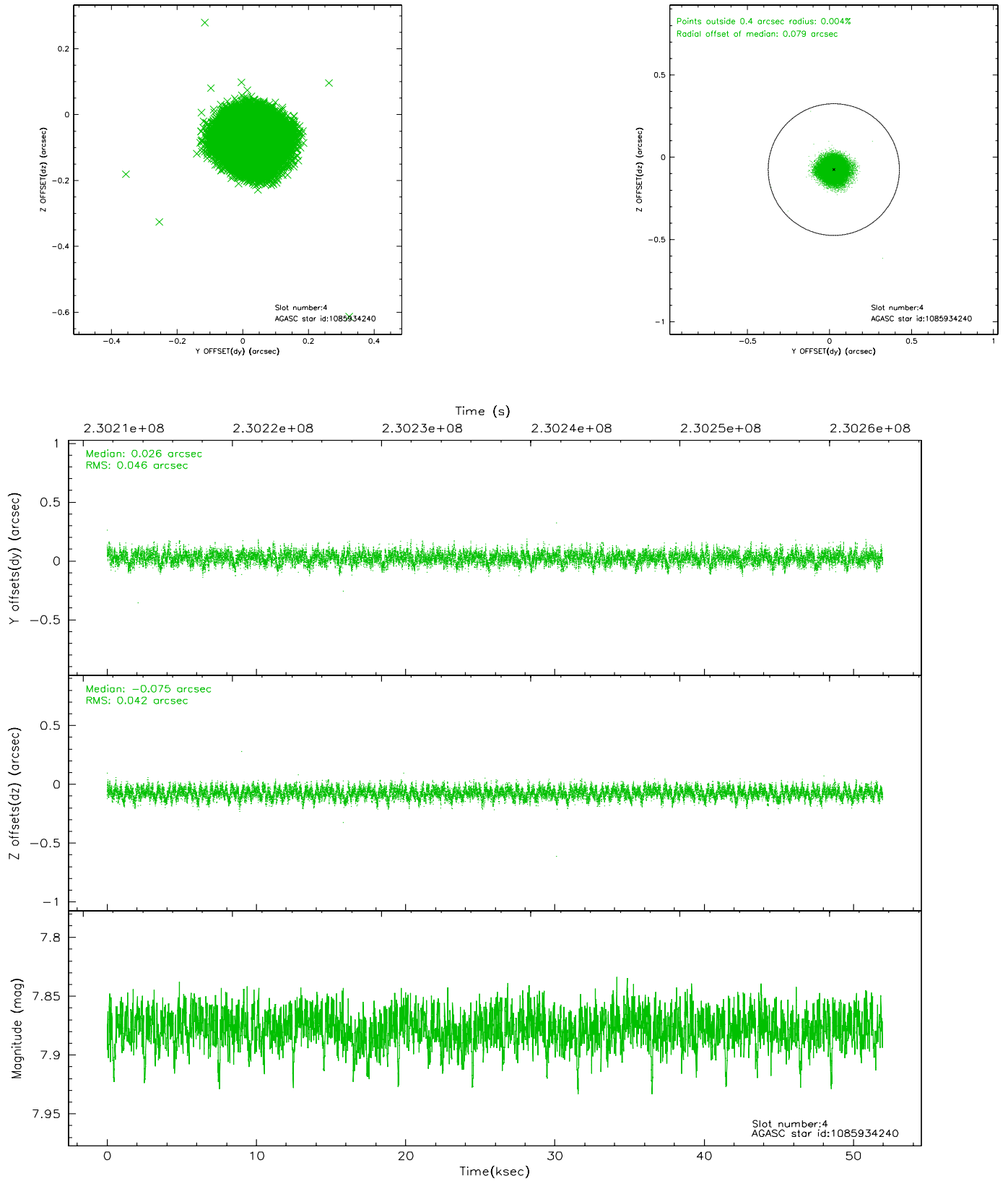
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	12676	0.090	0.126	0.011	0.019	0.000000	0.000000	936.69	-1963.09
1	FID	ACIS-S-5	7.23	12675	-0.074	0.126	0.006	0.010	0.000000	0.000000	-1812.38	-65.40
2	FID	ACIS-S-6	7.43	12675	-0.038	-0.241	0.012	0.021	0.000000	0.000000	402.28	578.04
3	GUIDE	1085562712	7.09	25350	-0.220	-0.043	0.048	0.075	216.822277	-48.636295	2186.00	1687.08
4	GUIDE	1085934240	7.88	25347	0.026	-0.075	0.067	0.104	215.229893	-49.366645	-2127.58	124.57
5	GUIDE	1085936864	7.09	25351	0.067	0.256	0.047	0.077	215.583225	-49.849370	-1767.36	-1764.55
6	GUIDE	1085937864	8.48	25340	0.231	-0.058	0.059	0.095	215.121337	-49.229826	-2251.88	665.01
7	GUIDE	1086066888	8.56	25340	-0.105	-0.078	0.055	0.089	216.705971	-49.063926	1506.96	278.58

2.4 Star Slots

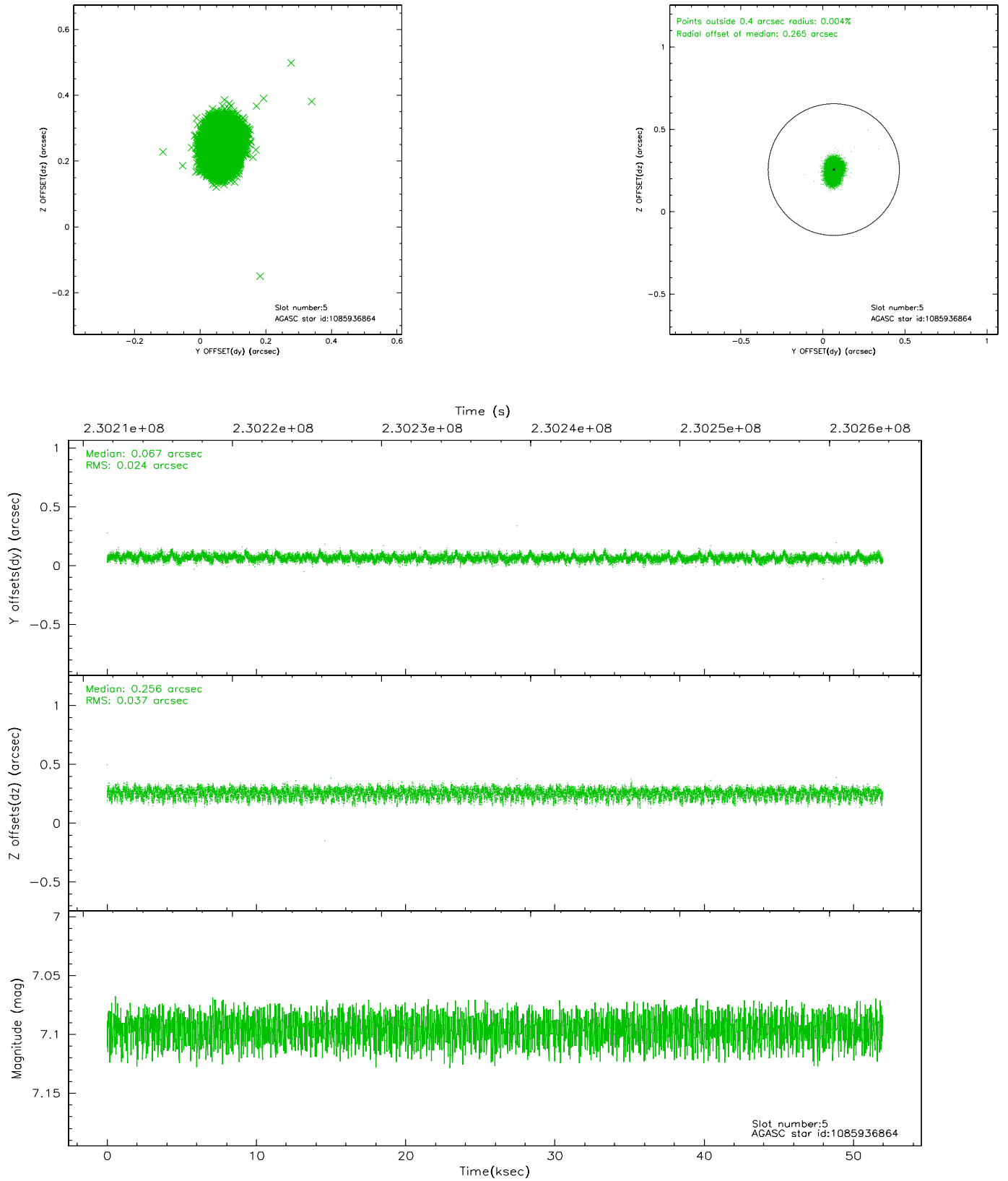
2.4.1 Slot 3



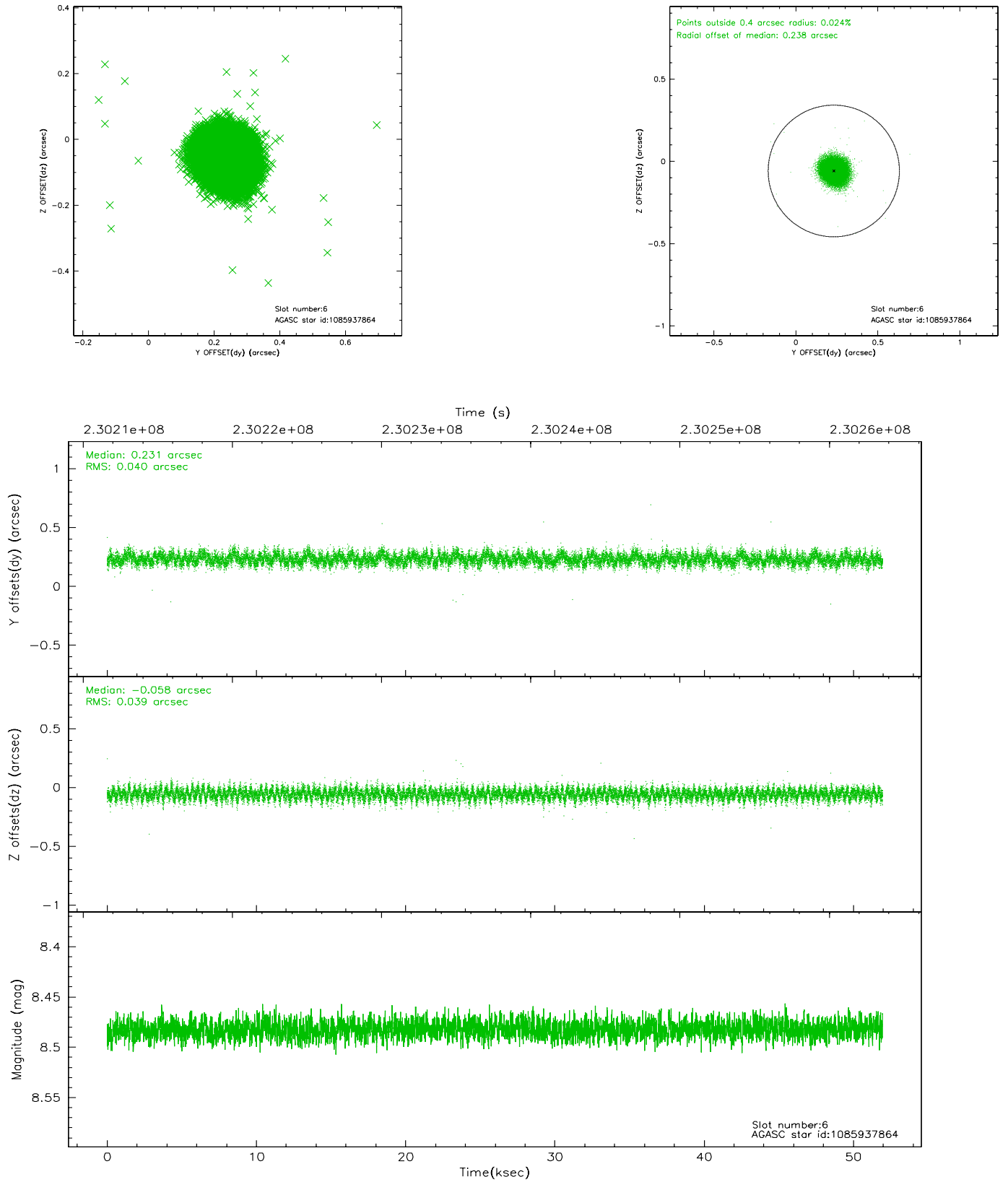
2.4.2 Slot 4



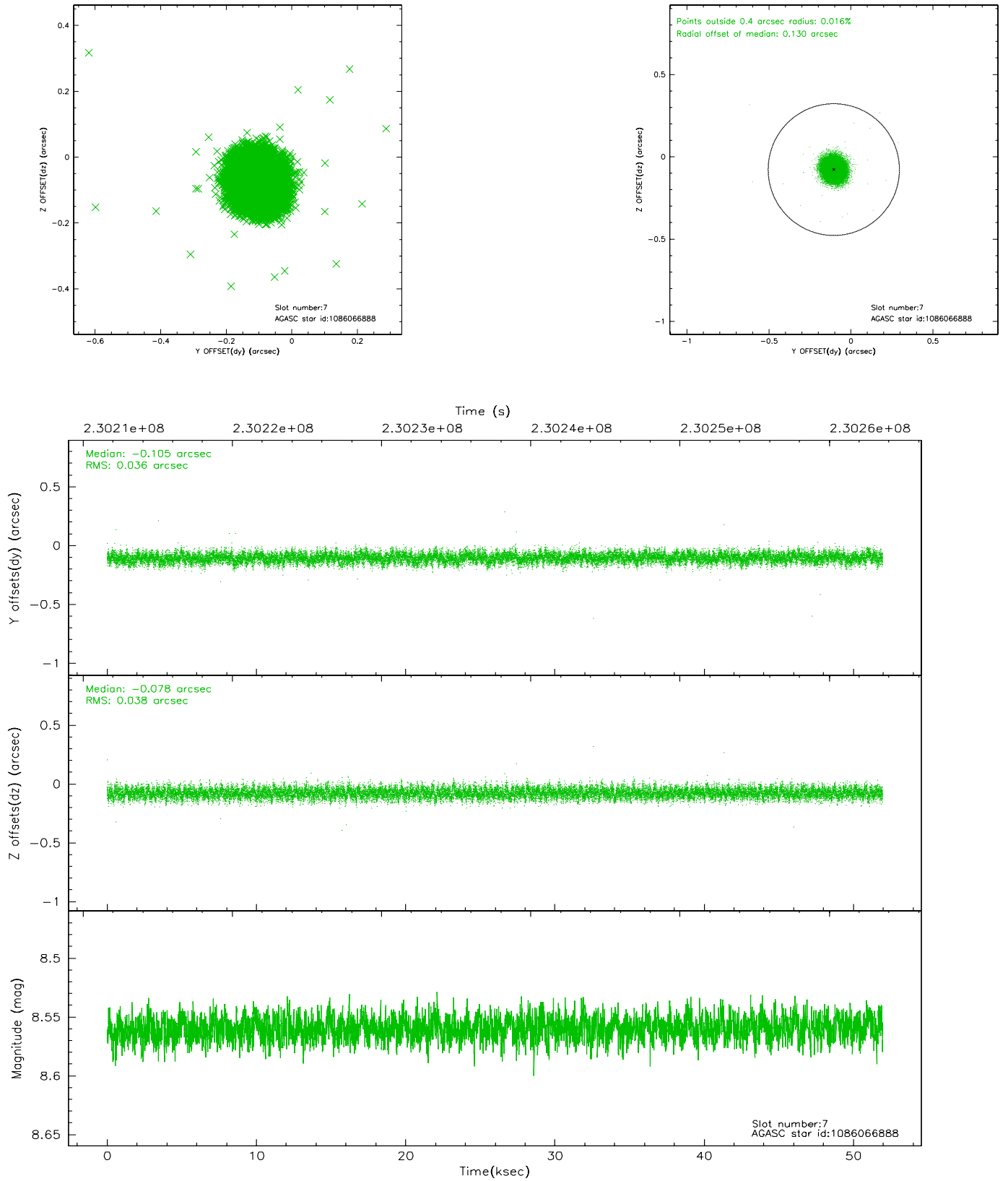
2.4.3 Slot 5



2.4.4 Slot 6

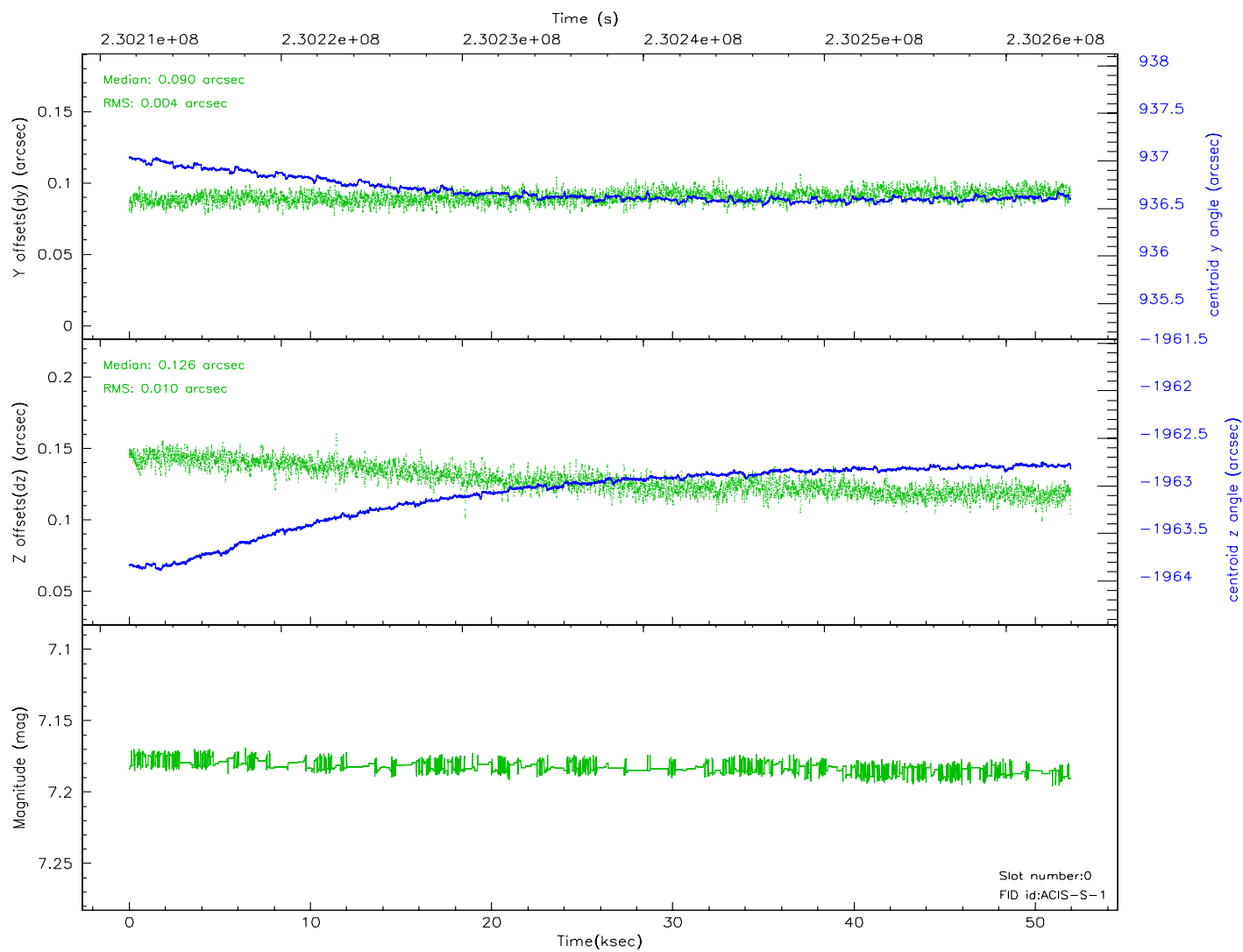
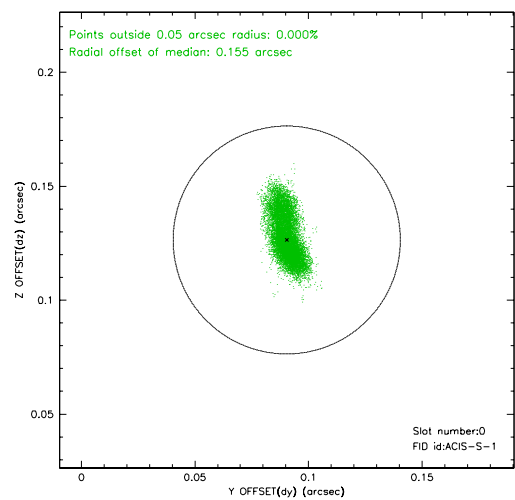
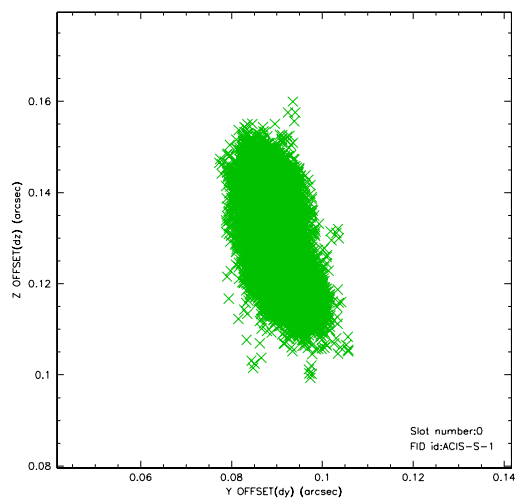


2.4.5 Slot 7

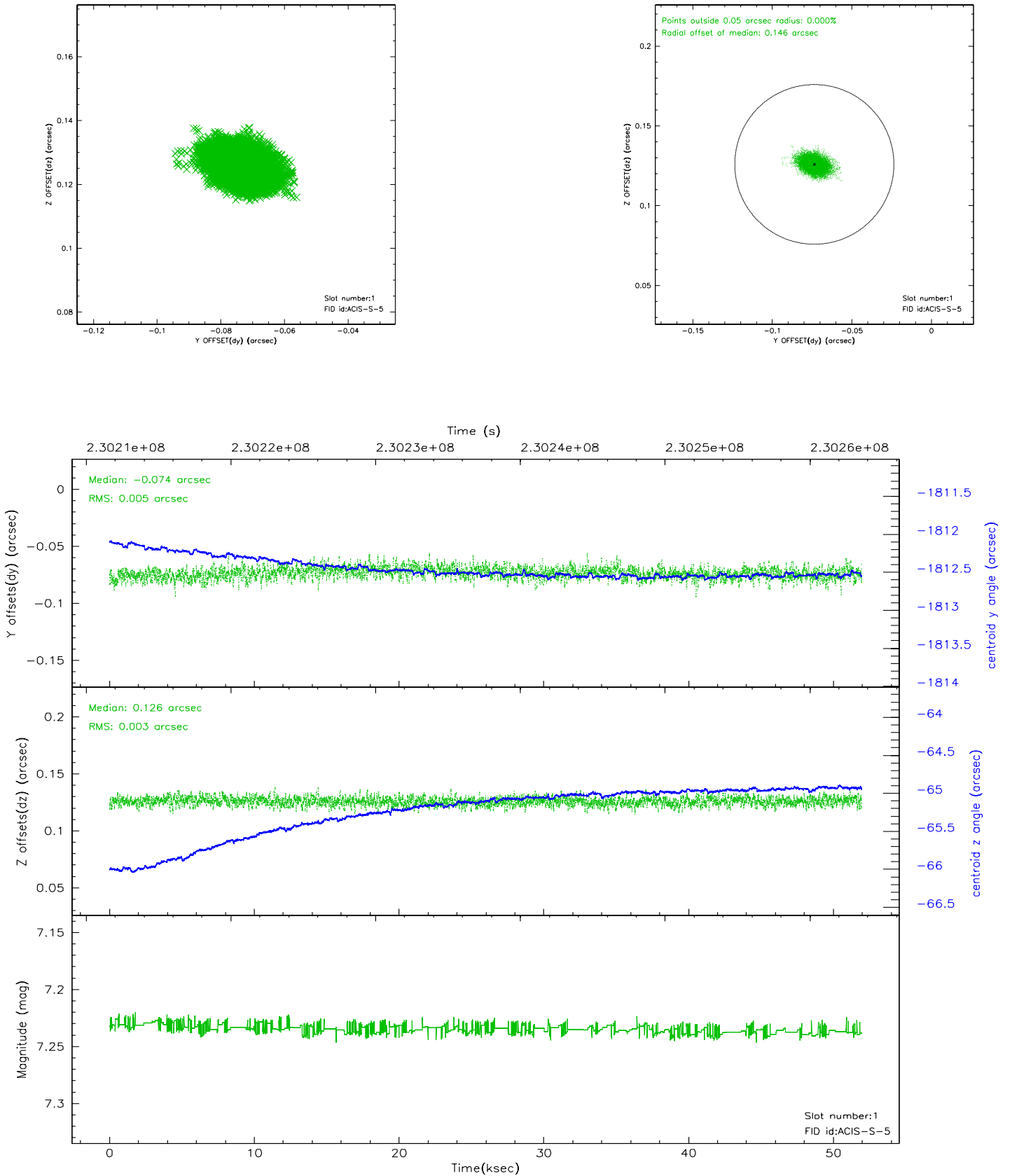


2.5 FID Slots

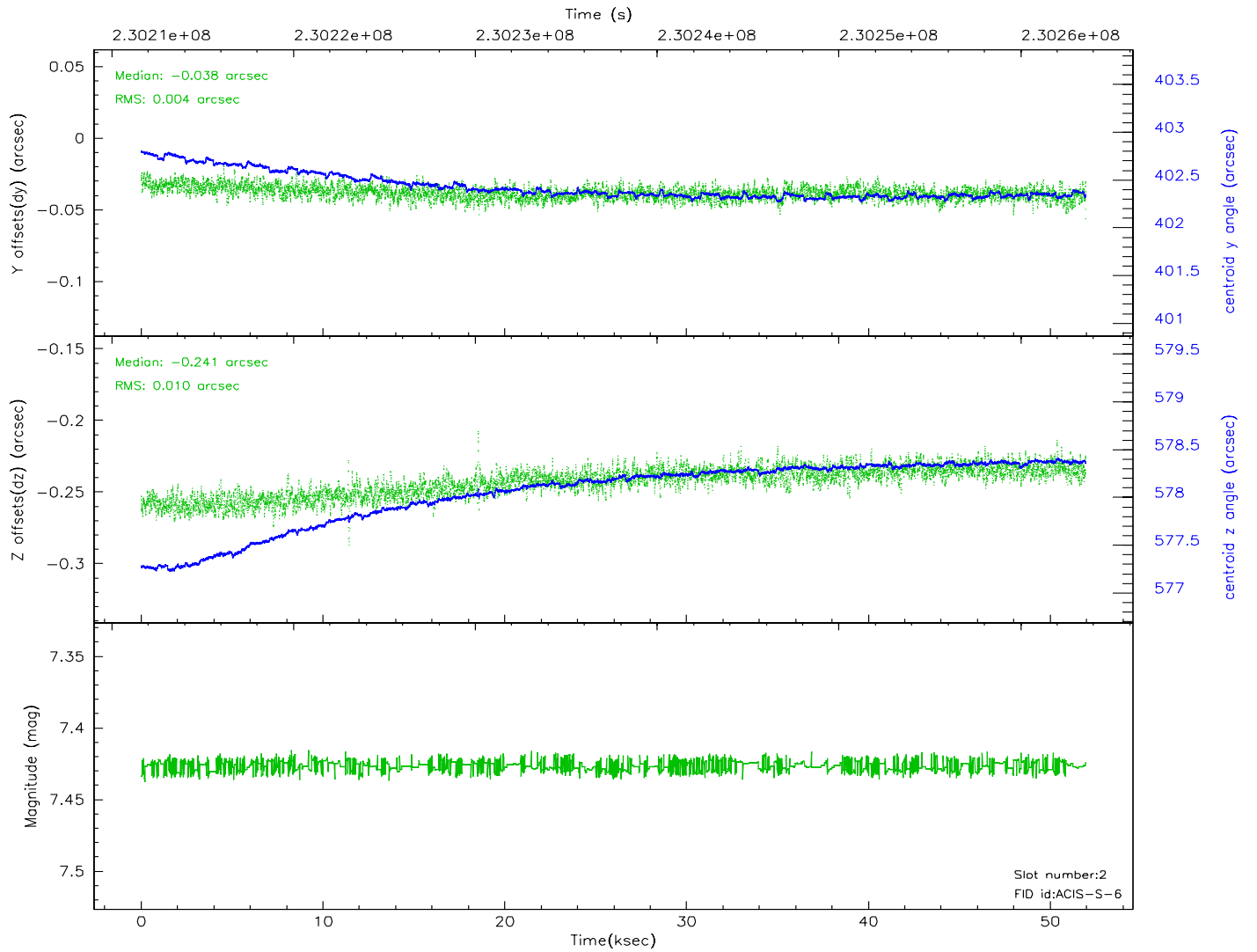
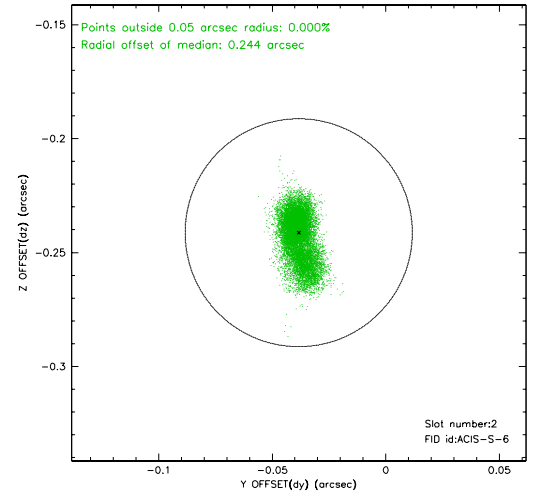
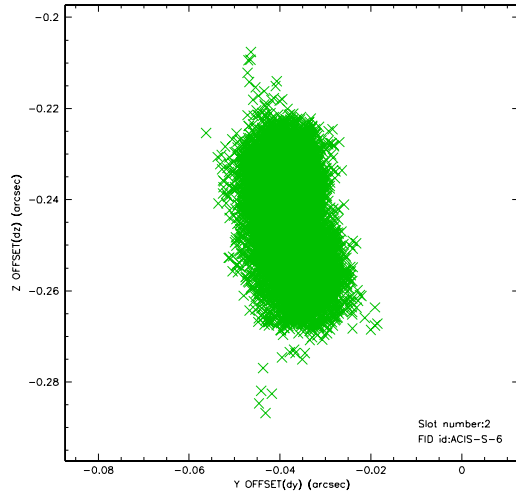
2.5.1 Slot 0



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)	2006.03.01
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	51.9656

A.2 Comments