

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2985 - L2 Version 001
Chandra X-Ray Center

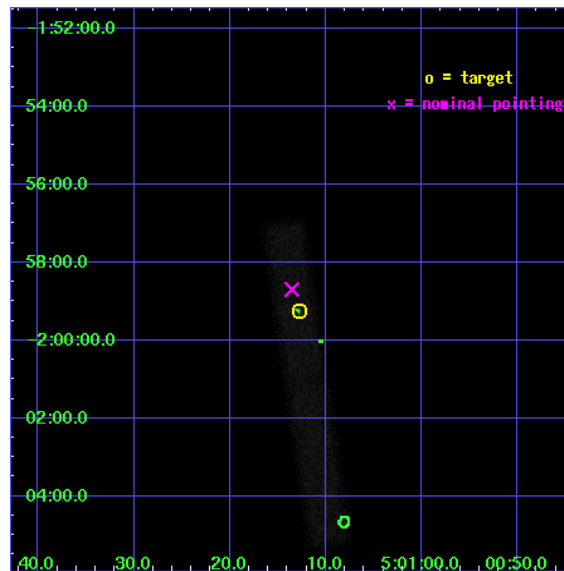
L2 Processing Date : Oct 7 2006

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

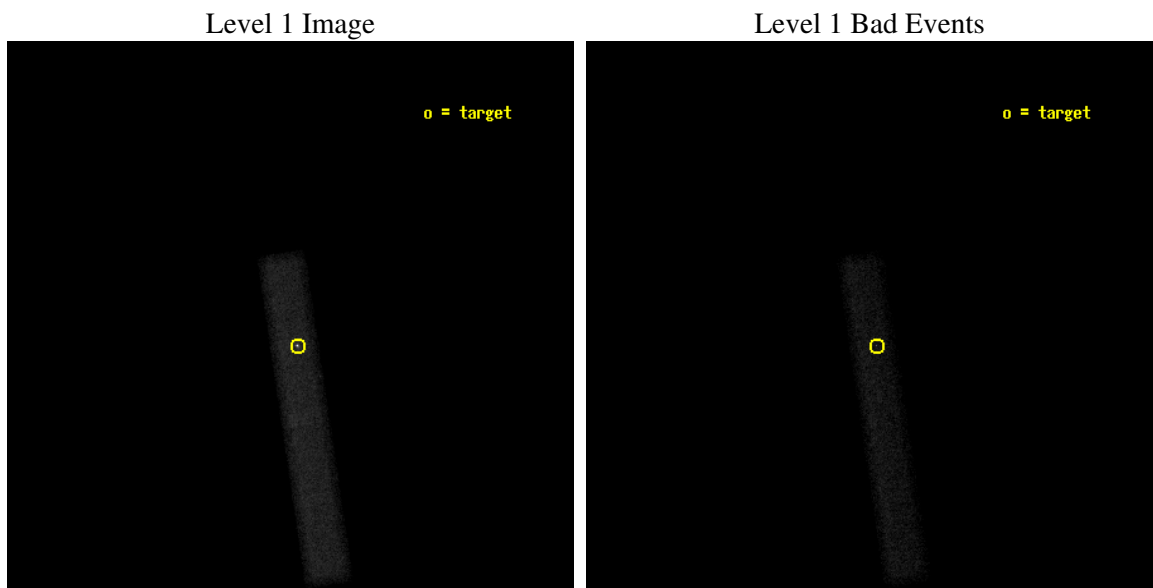
seq_num	700424
obs_id	2985
title	THE PATTERN OF HEAVY ELEMENT ABUNDANCES IN A HIGH REDSHIFT GALAXY
observer	Dr. Jill Bechtold
object	PKS 0458-020
dtcycle	0
cycle	P
ra_targ	75.303333
dec_targ	-1.9875
ra_nom	75.306435276685
dec_nom	-1.9783218672969
roll_nom	81.465855366114
revision	2
ontime	77757.601158679
livetime	70522.039868201
ontime7	77757.601158679
l2events	44112



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-07T07:33:42
revision	2

sched_exp_time	77600.000000
ontime	78460.103161782
ontime7	78460.103161782
l1events	96751

2.1.4 Events

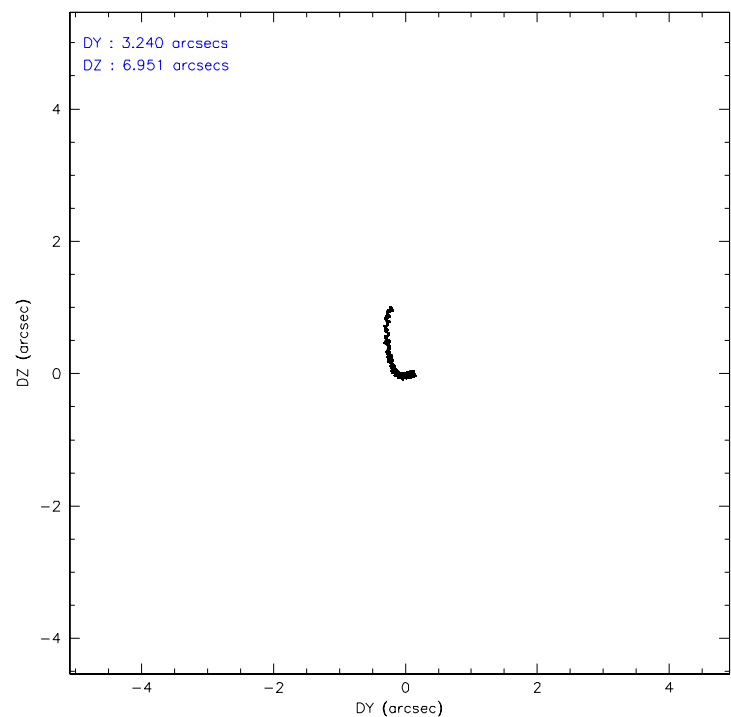
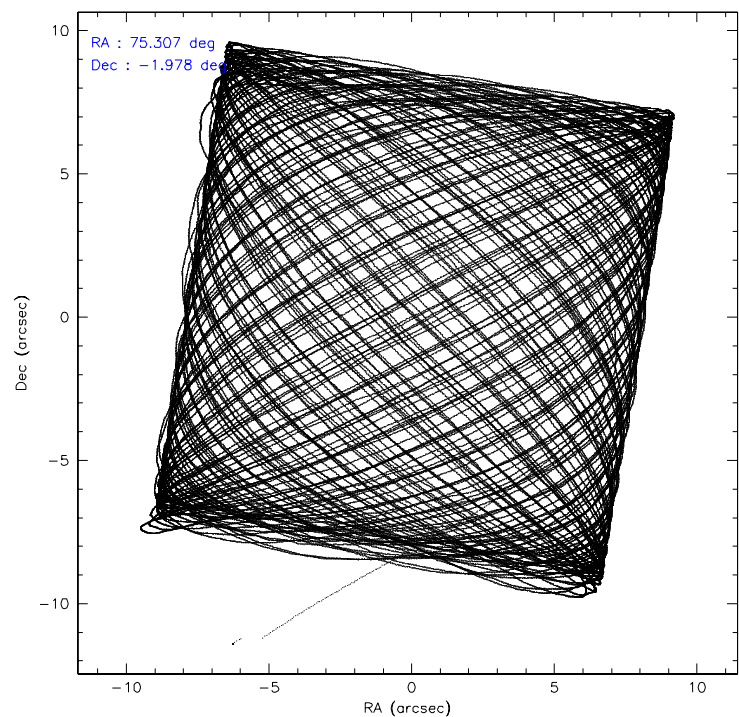
	ccd 7
level 1 events	96751
rejected events	50977
rejected %	52%

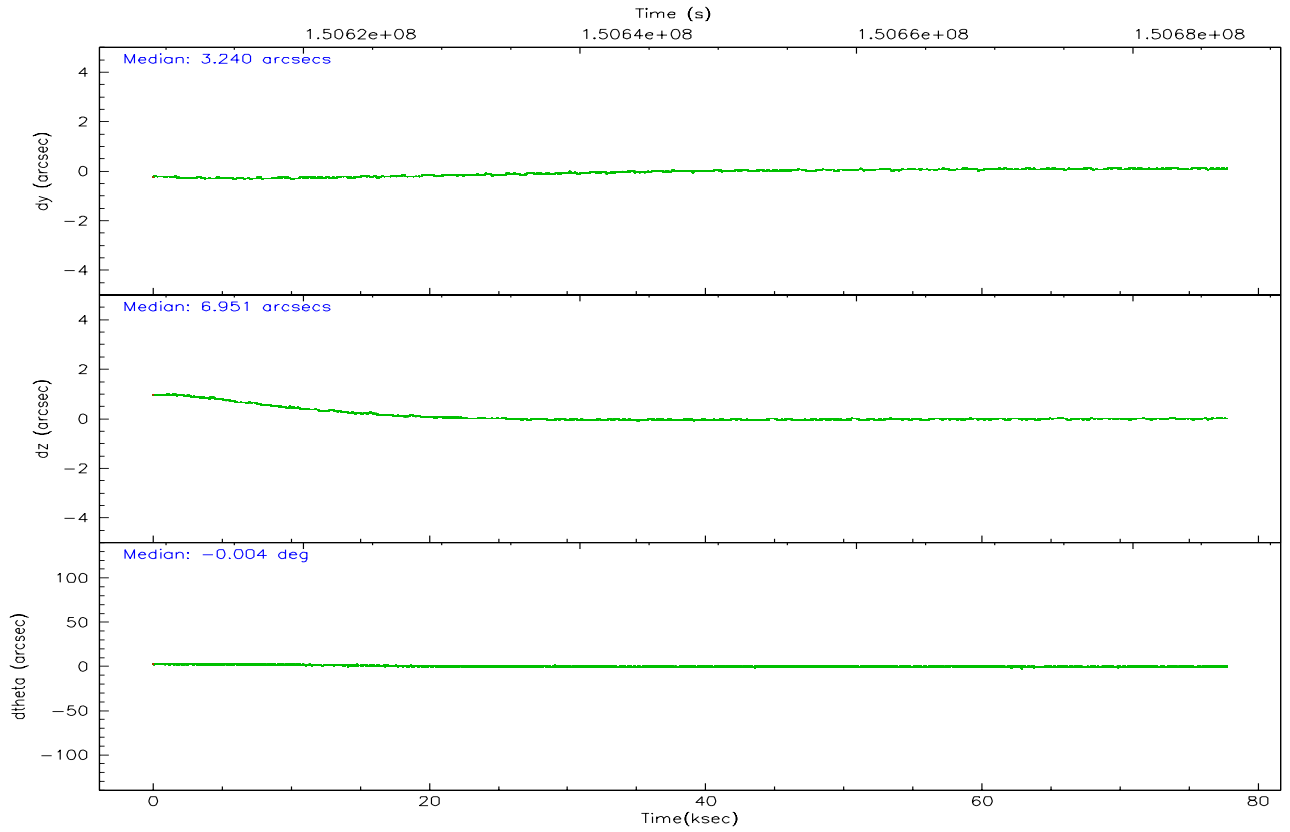
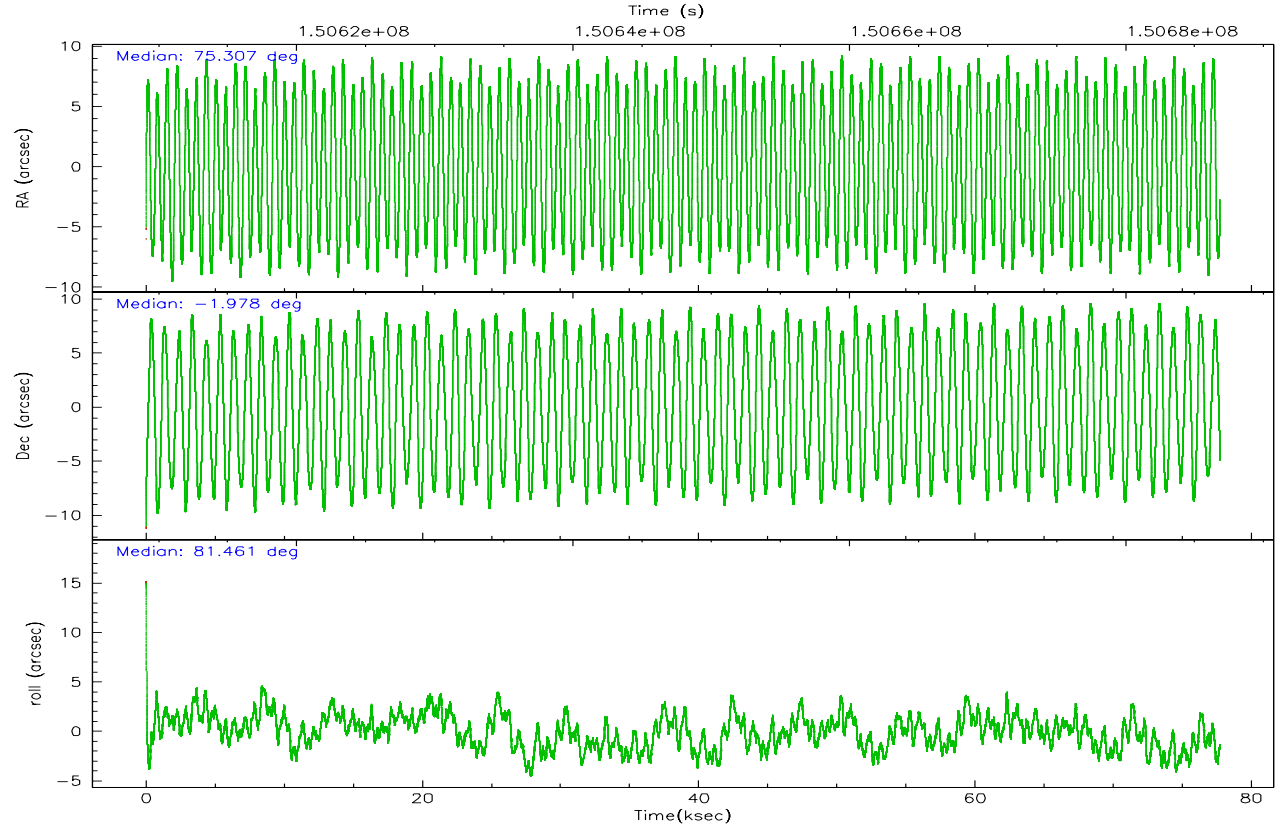
	ccd 7
grade 0 events	5028
	5%
grade 1 events	71
	0%
grade 2 events	10541
	10%
grade 3 events	4958
	5%
grade 4 events	4812
	4%
grade 5 events	6477
	6%
grade 6 events	20783
	21%
grade 7 events	44081
	45%

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	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	75.316731	75.30643527668505	Subarray requested	CUSTOM	1/8
Pointing Dec	-2.003544	-1.978321867296858	Subarray start row	449	449
Pointing Roll	81.309584	81.46585536611391	Subarray row count	128	128
SIM focus pos (mm)	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
SIM defocus (mm)	0	0.001444936568705701	Primary exposure time	0.000000	0.4
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Observation start time	150609242.184000	150608275.95675			
Observation start date	2002-10-10T03:52:58	2002-10-10T03:37:55			
Observation end time	150686842.184000	150687779.57255			
Observation end date	2002-10-11T01:26:18	2002-10-11T01:42:59			
Read mode	TIMED	TIMED			

2.3 Aspect



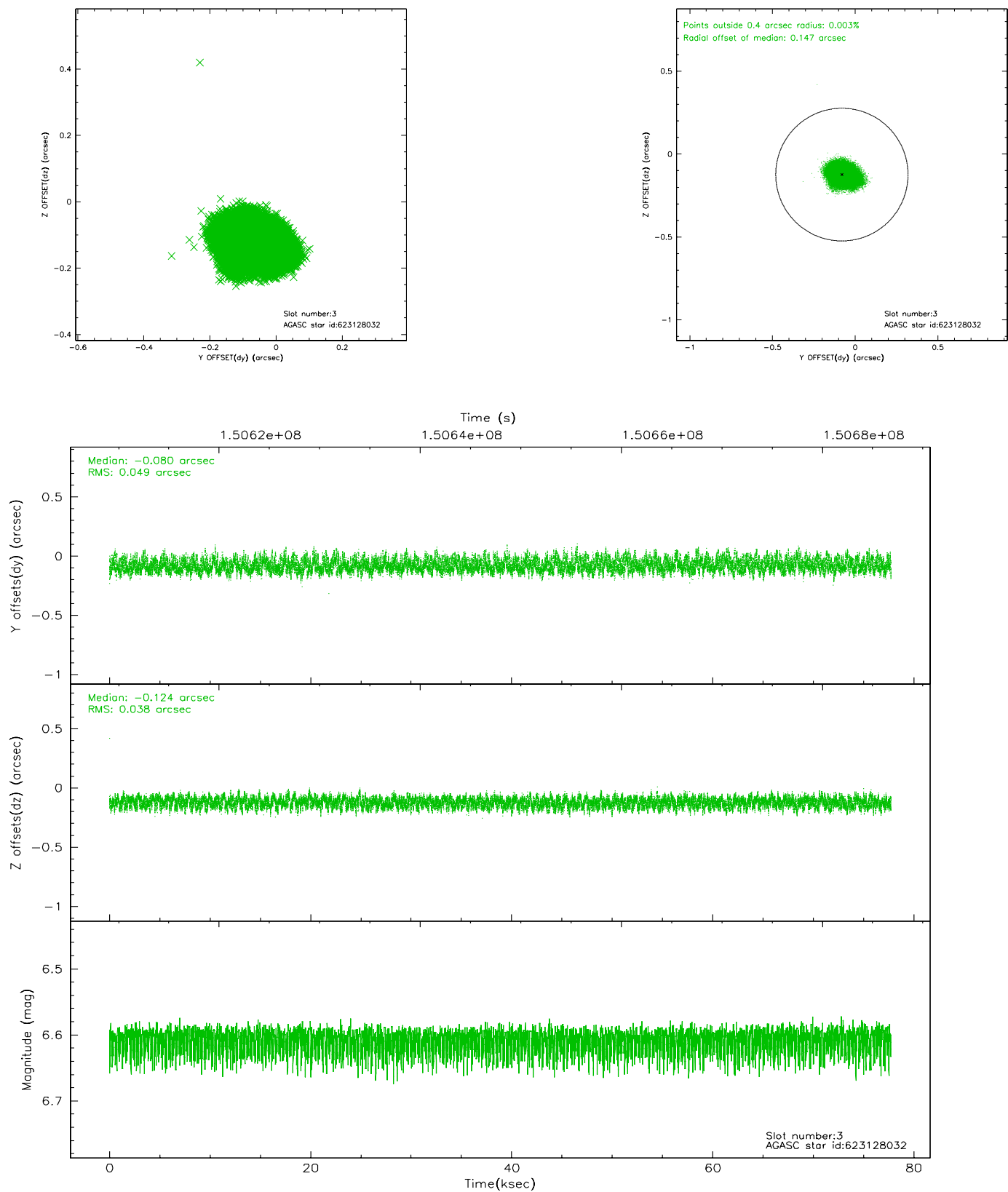


Slot Statistics

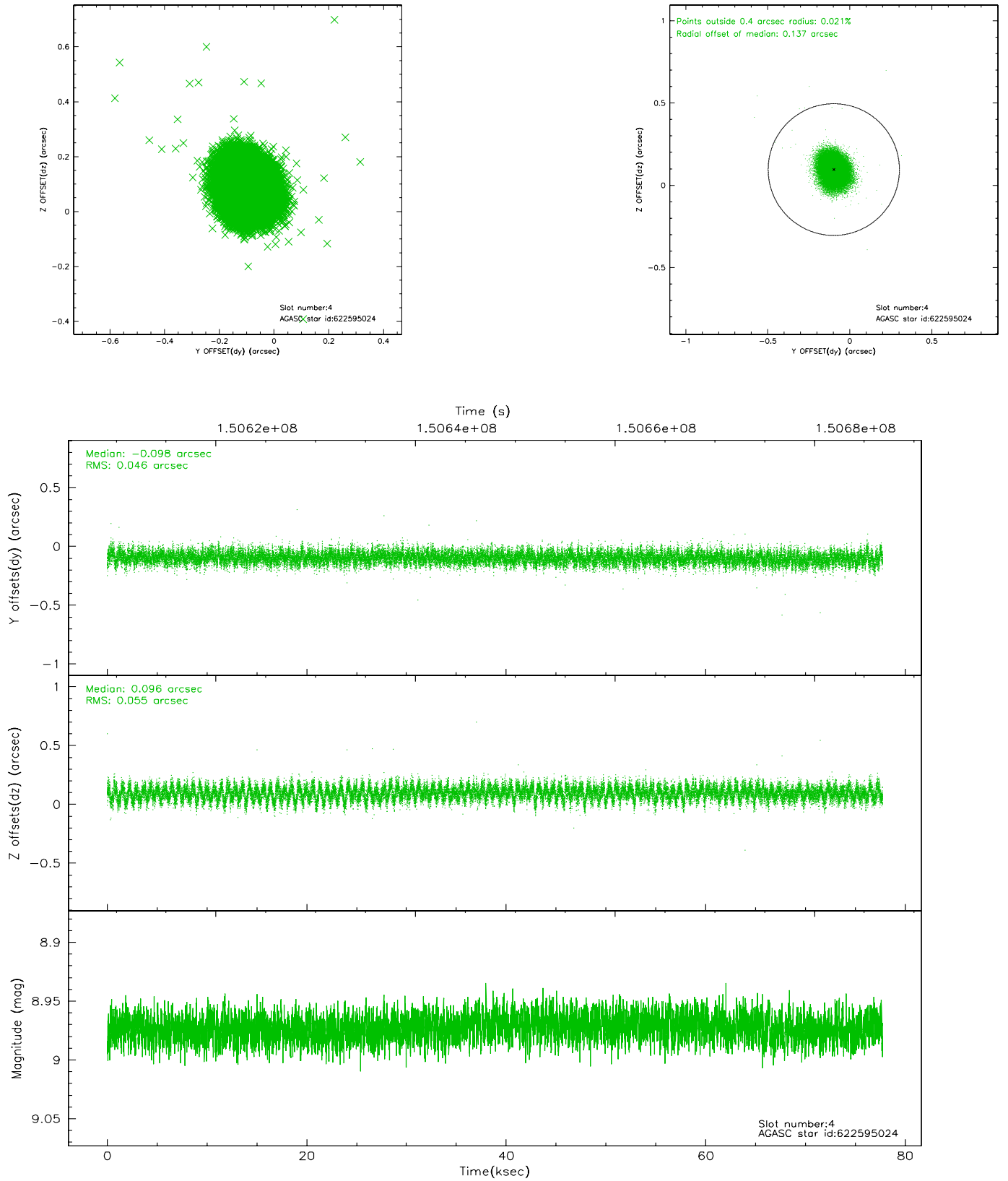
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	18964	-0.009	0.023	0.008	0.014	0.000000	0.000000	-755.83	-1728.22
1	FID	ACIS-S-4	7.20	18964	-0.032	-0.002	0.011	0.024	0.000000	0.000000	2157.44	180.32
2	FID	ACIS-S-5	7.24	18965	0.012	-0.012	0.010	0.016	0.000000	0.000000	-1808.75	173.89
3	GUIDE	623128032	6.61	37931	-0.080	-0.124	0.067	0.105	75.165868	-2.066030	-304.19	503.24
4	GUIDE	622595024	8.97	37917	-0.098	0.096	0.075	0.122	75.562911	-1.719015	1146.63	-719.86
5	GUIDE	623116488	9.41	37908	0.004	0.260	0.117	0.188	75.892108	-2.418869	-1165.20	-2270.80
6	GUIDE	621415584	9.34	37912	0.053	-0.068	0.085	0.139	74.871644	-2.066551	-466.18	1549.28
7	GUIDE	623117120	9.75	37905	0.121	-0.164	0.105	0.176	75.225960	-2.418644	-1526.18	97.51

2.4 Star Slots

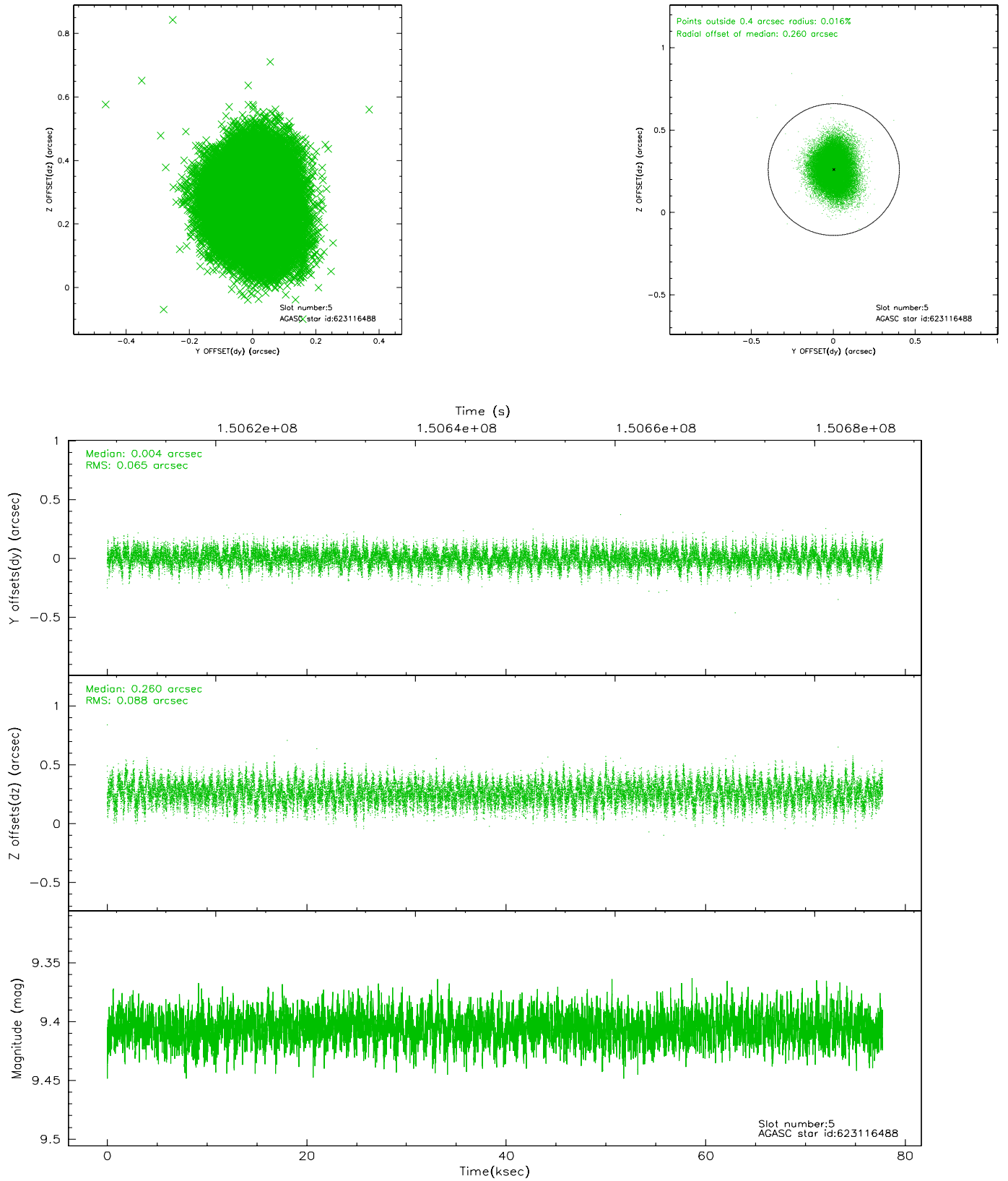
2.4.1 Slot 3



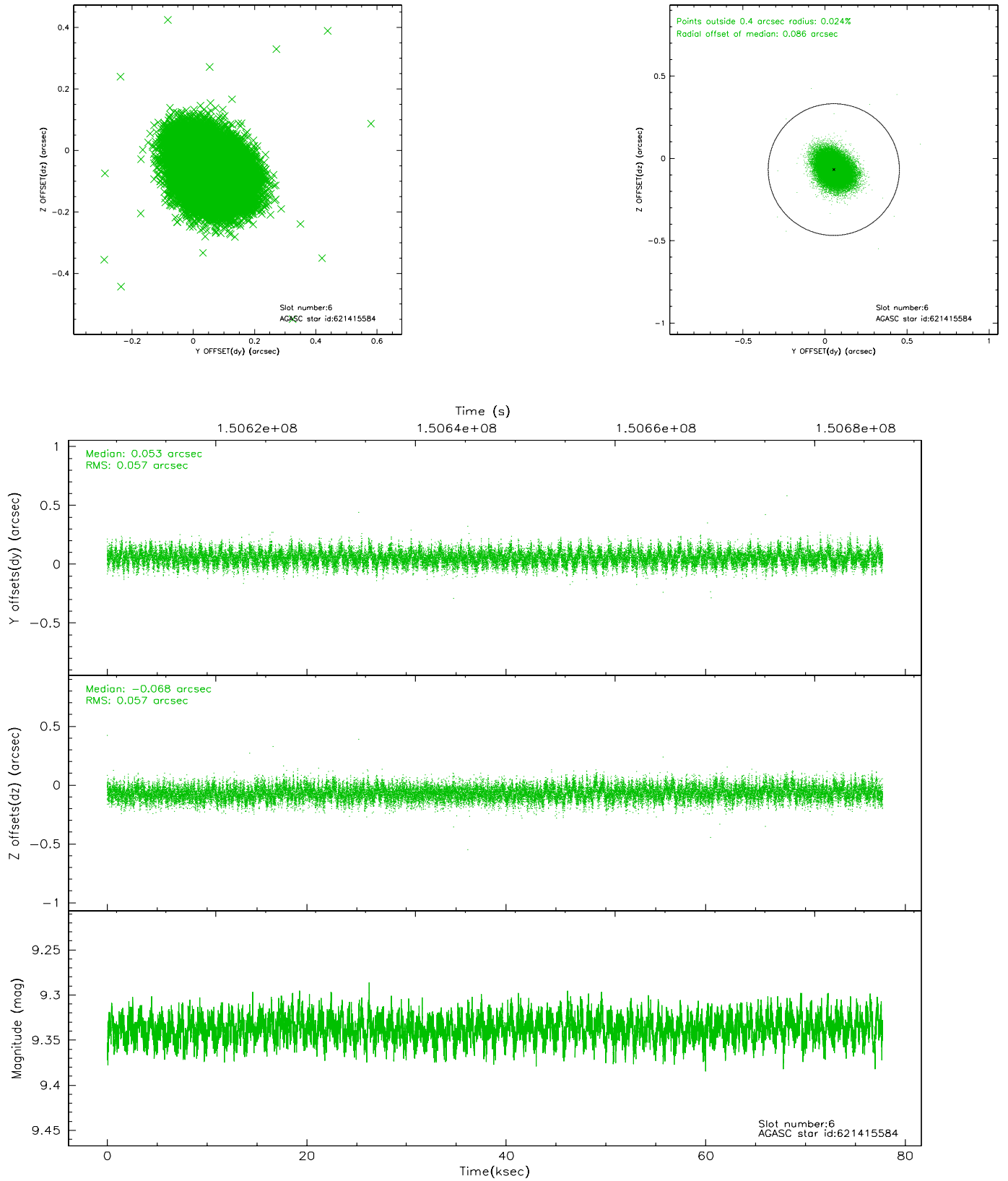
2.4.2 Slot 4



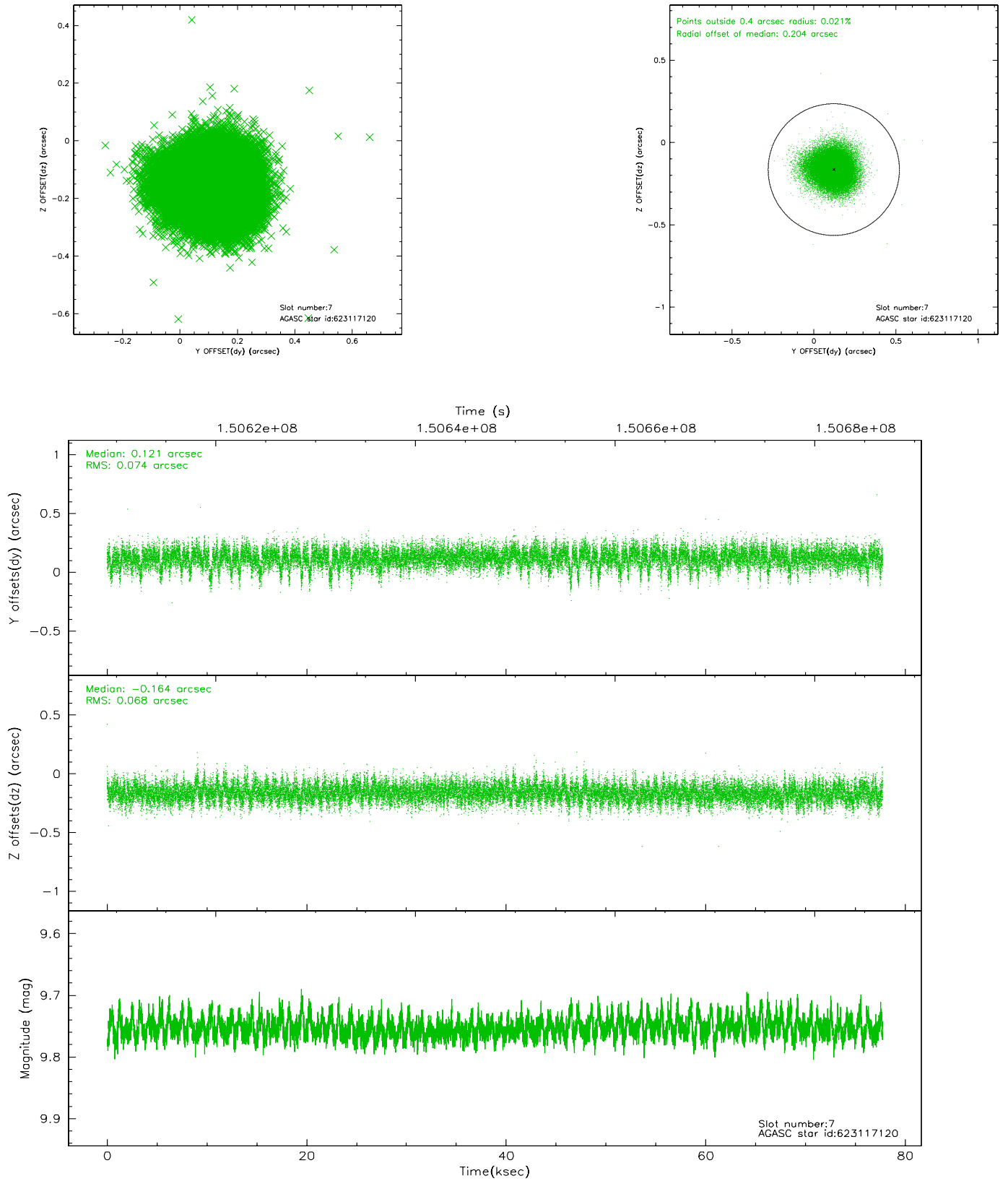
2.4.3 Slot 5



2.4.4 Slot 6

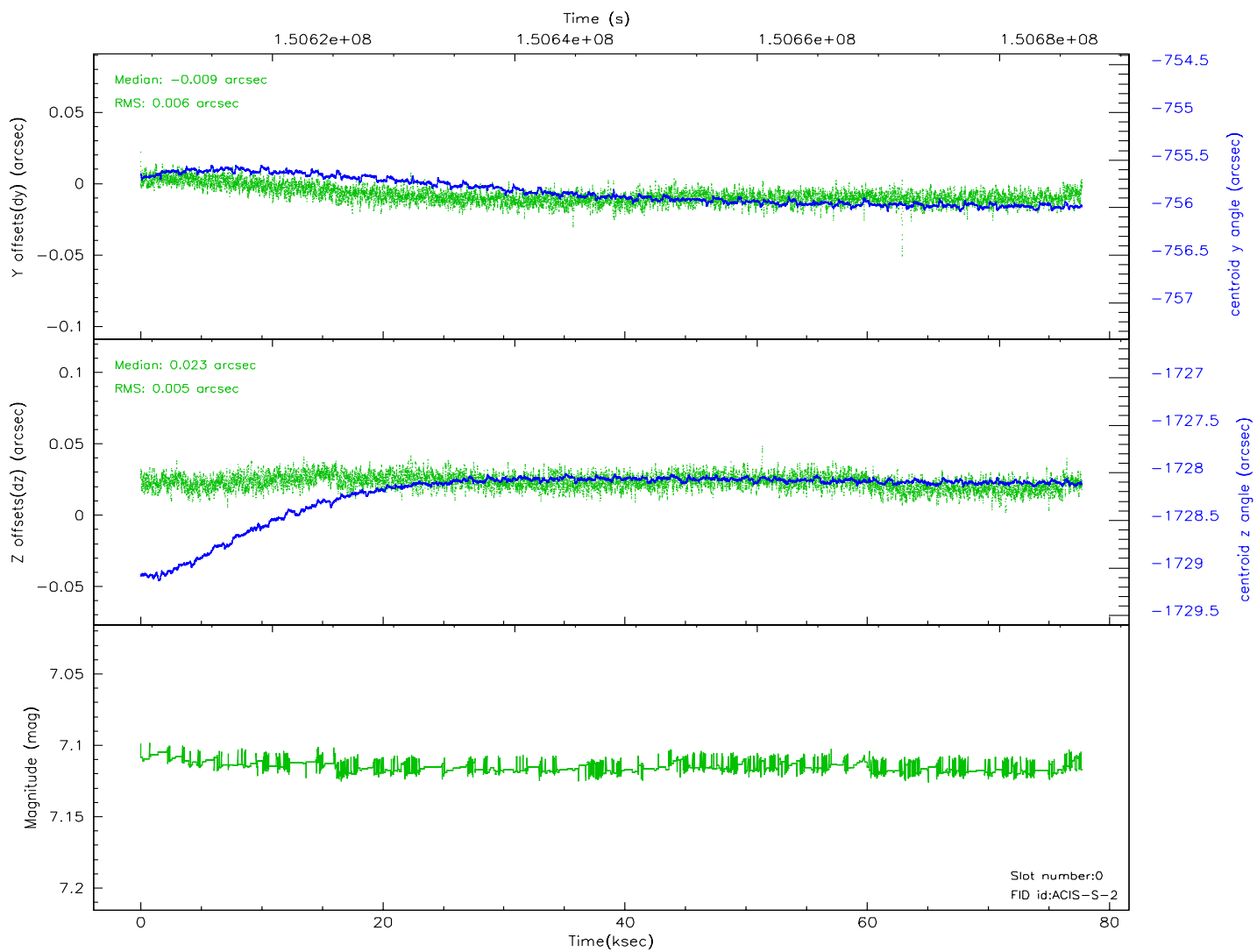
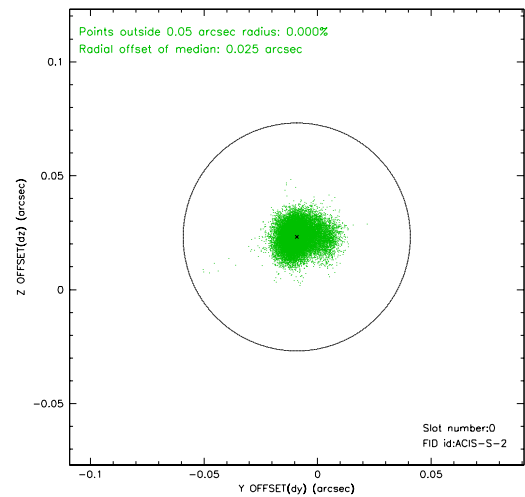
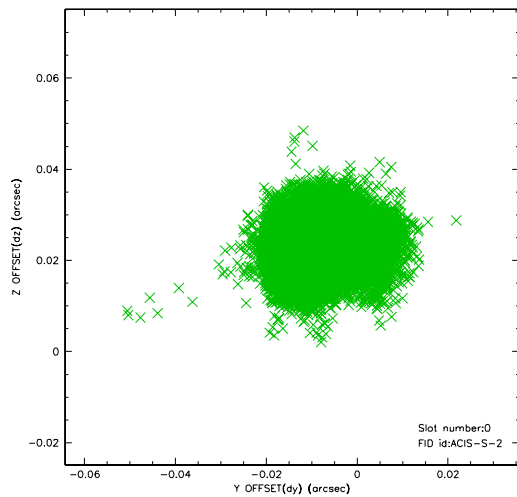


2.4.5 Slot 7

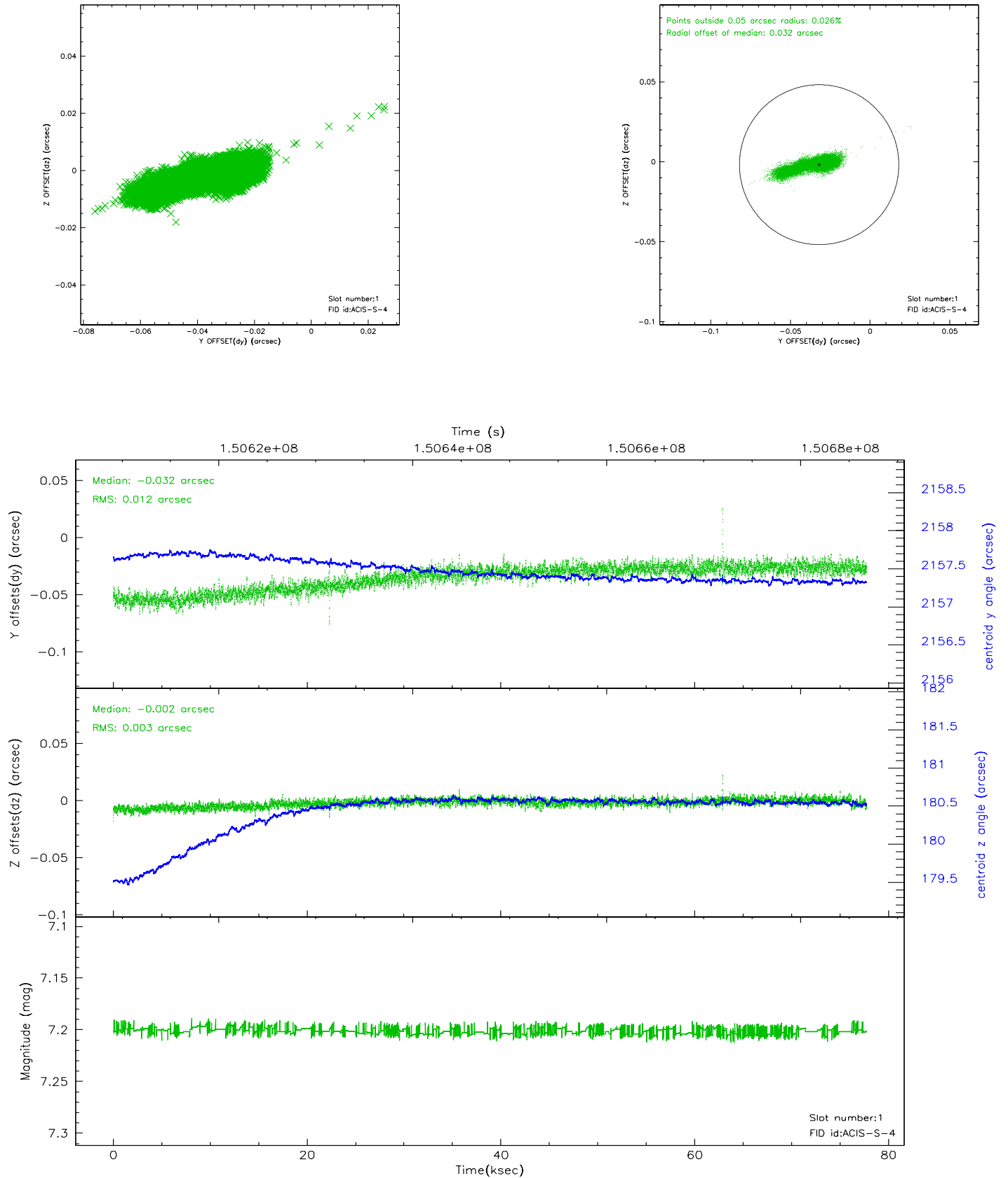


2.5 FID Slots

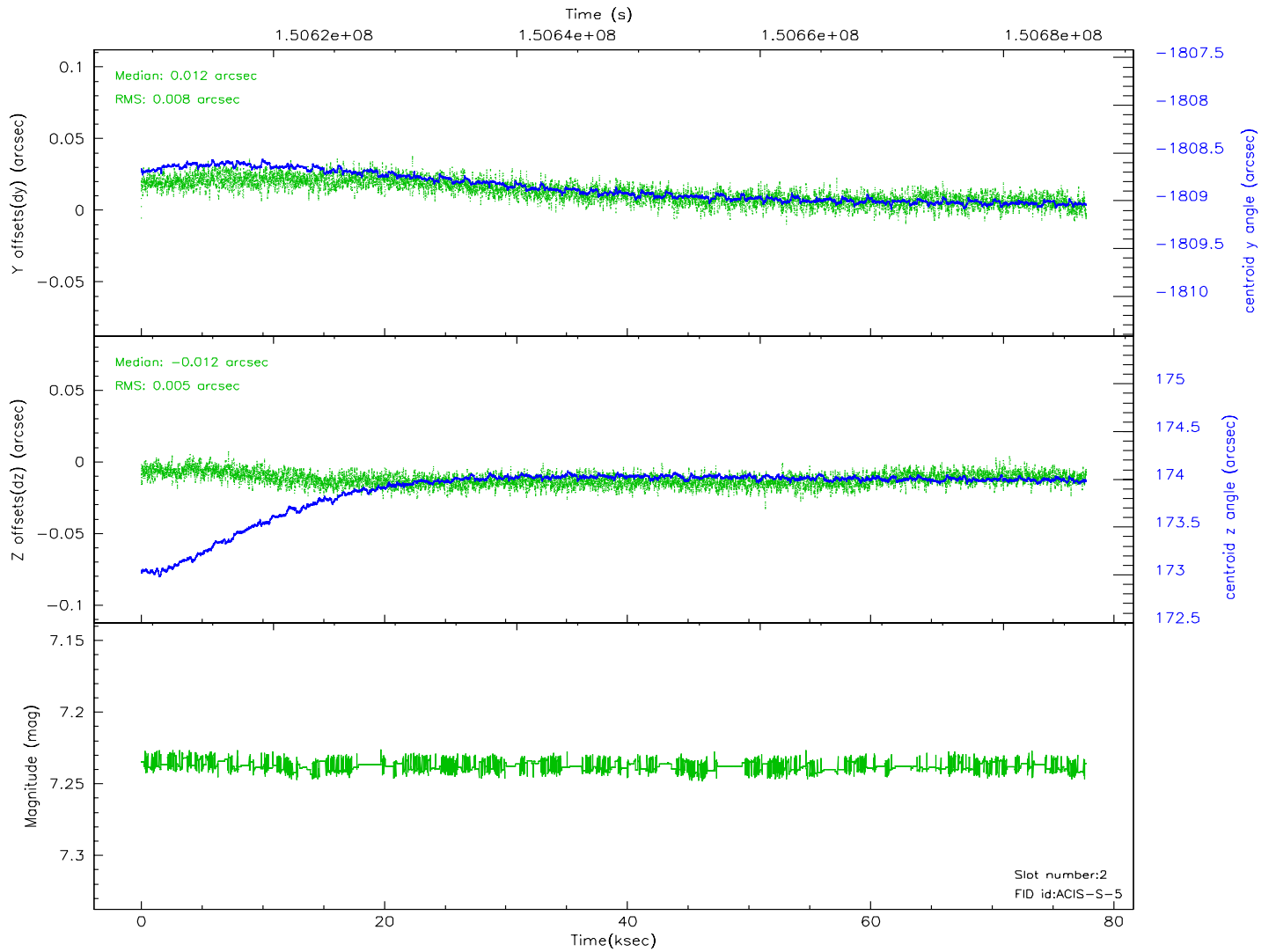
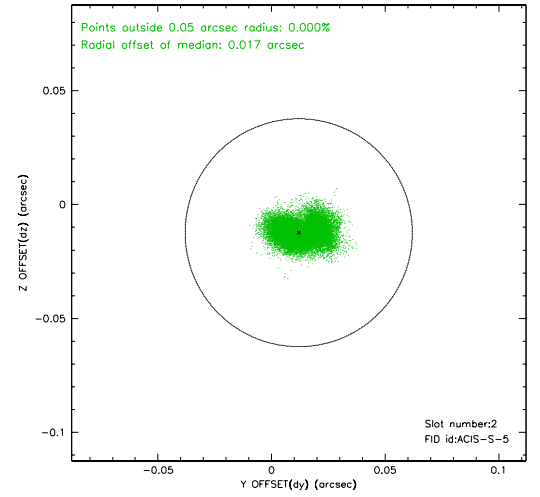
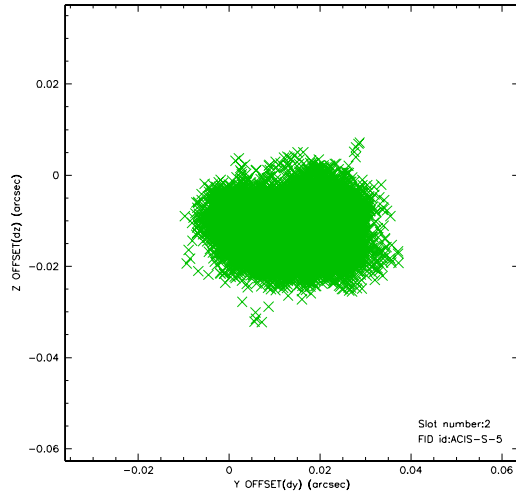
2.5.1 Slot 0



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)	2006.10.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	77.757

A.2 Comments