

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 3744 - L2 Version 001
Chandra X-Ray Center

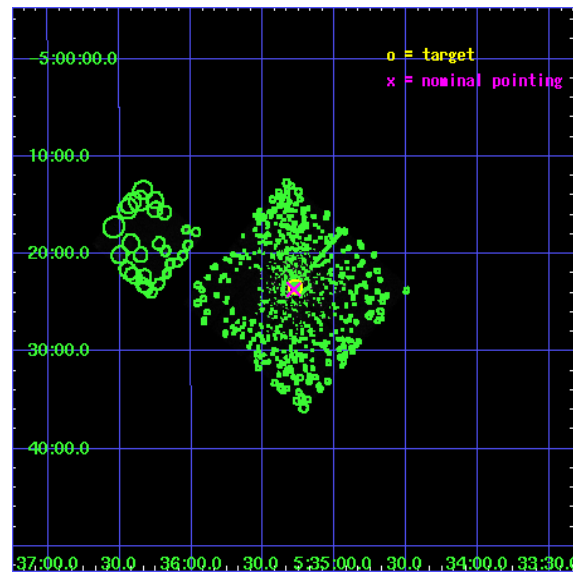
L2 Processing Date : Oct 19 2006

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1 Front

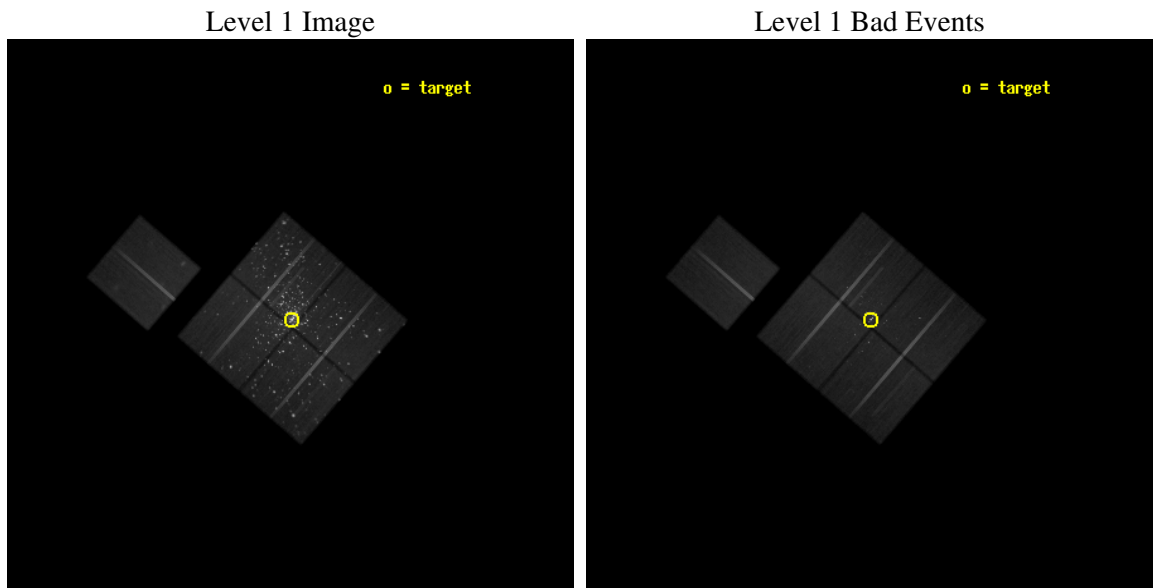
seq_num	200214
obs_id	3744
title	AN ULTRADEEP CHANDRA STUDY OF THE ORION NEBULA (GUEST OBSERVER PORTION)
observer	Prof. Eric Feigelson
object	ORION NEBULA CLUSTER
dtcycle	0
cycle	P
ra_targ	83.819583
dec_targ	-5.39
ra_nom	83.821008665731
dec_nom	-5.394405743872
roll_nom	310.90882089374
revision	2
ontime	166330.17179844
livetime	164156.9456534
ontime0	166339.59477913
ontime1	166333.31281868
ontime2	166330.17180854
ontime3	166330.17179844
ontime6	166320.74889779
l2events	1500210



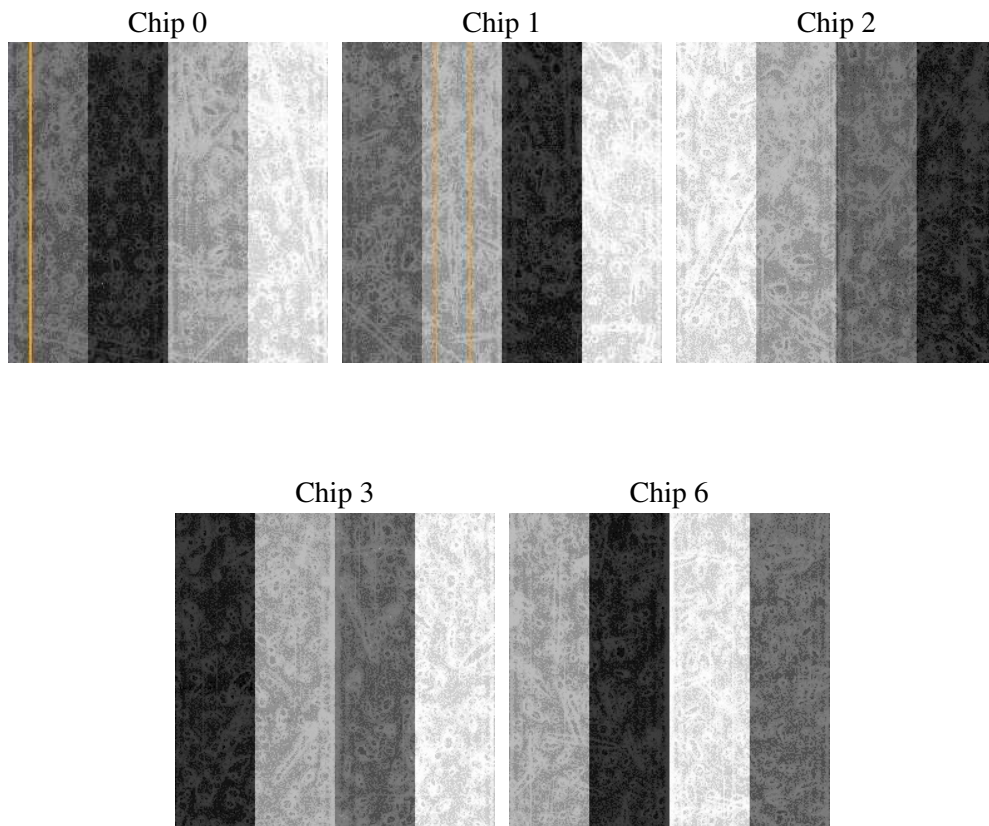
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldsver	3.2.3
date	2006-10-19T13:01:26
revision	2

sched_exp_time	166235.778000
ontime	166335.190907
ontime0	166344.6138877
ontime1	166338.33192724
ontime2	166335.1909171
ontime3	166335.190907
ontime6	166325.76800635
l1events	5468000

2.1.4 Events

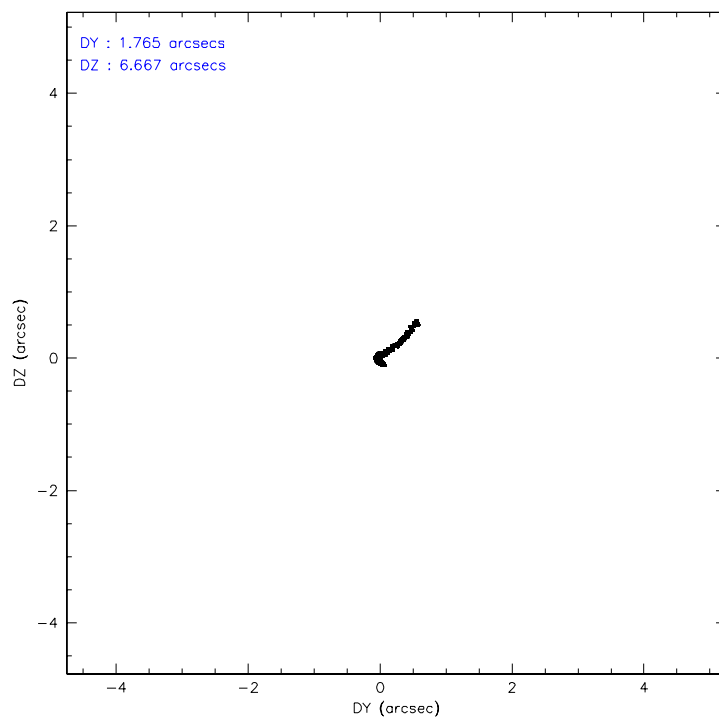
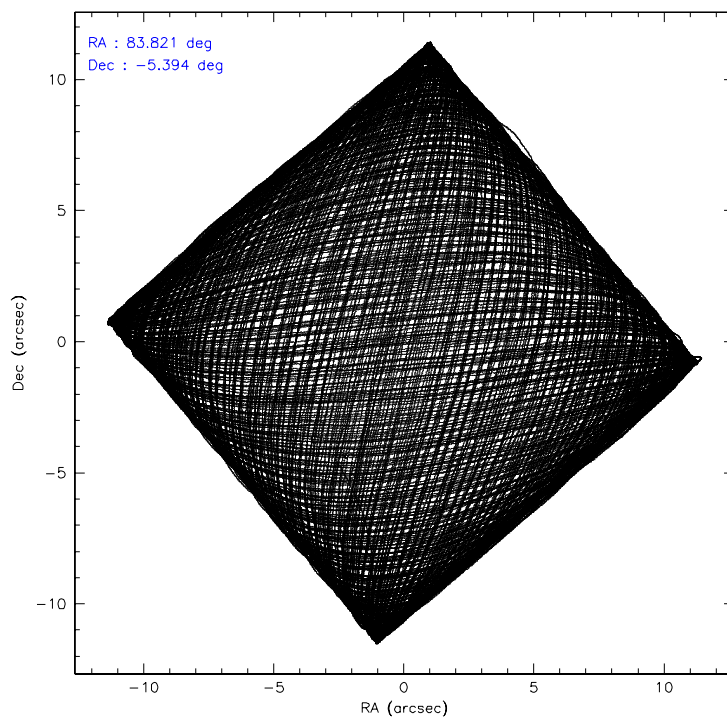
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	993012	996229	1056588	1575933	846238
rejected events	713040	715886	823476	839220	752633
rejected %	71%	71%	77%	53%	88%

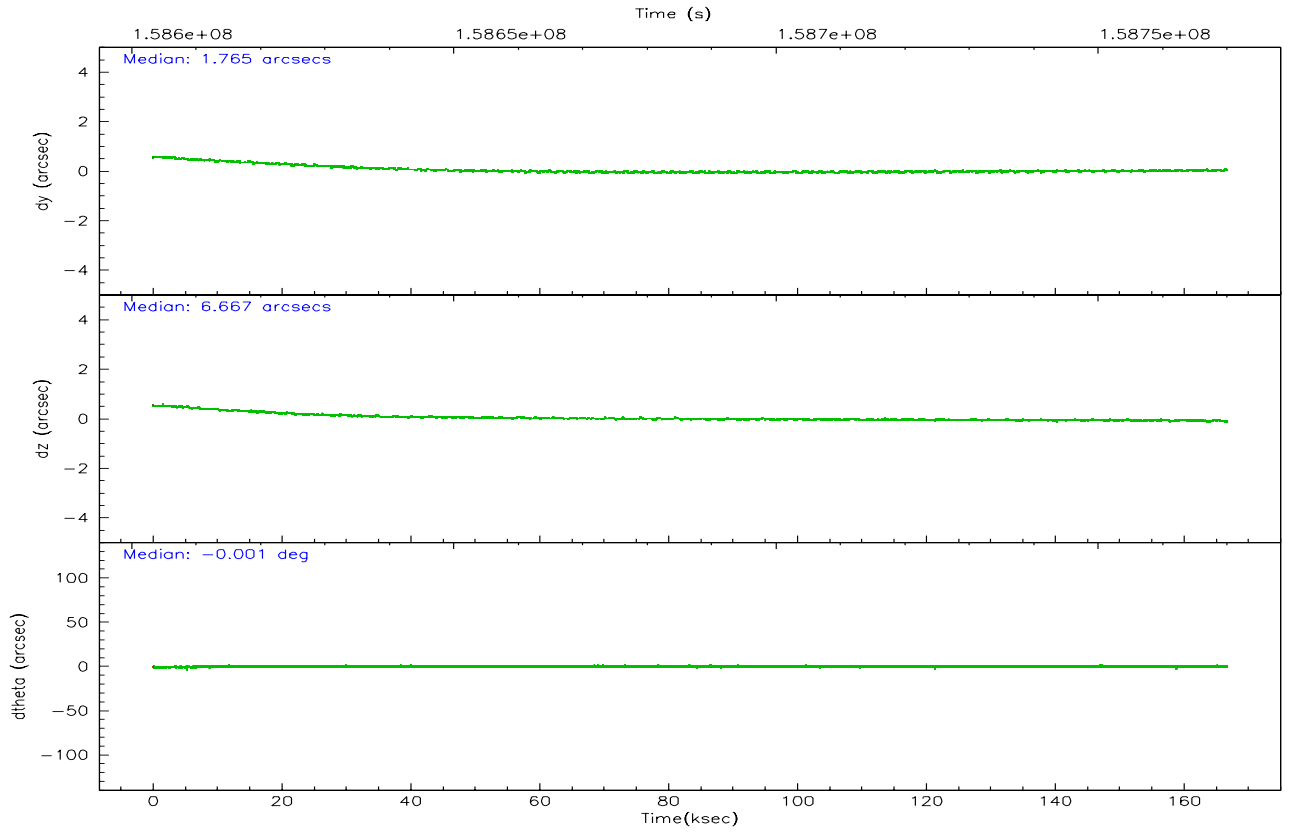
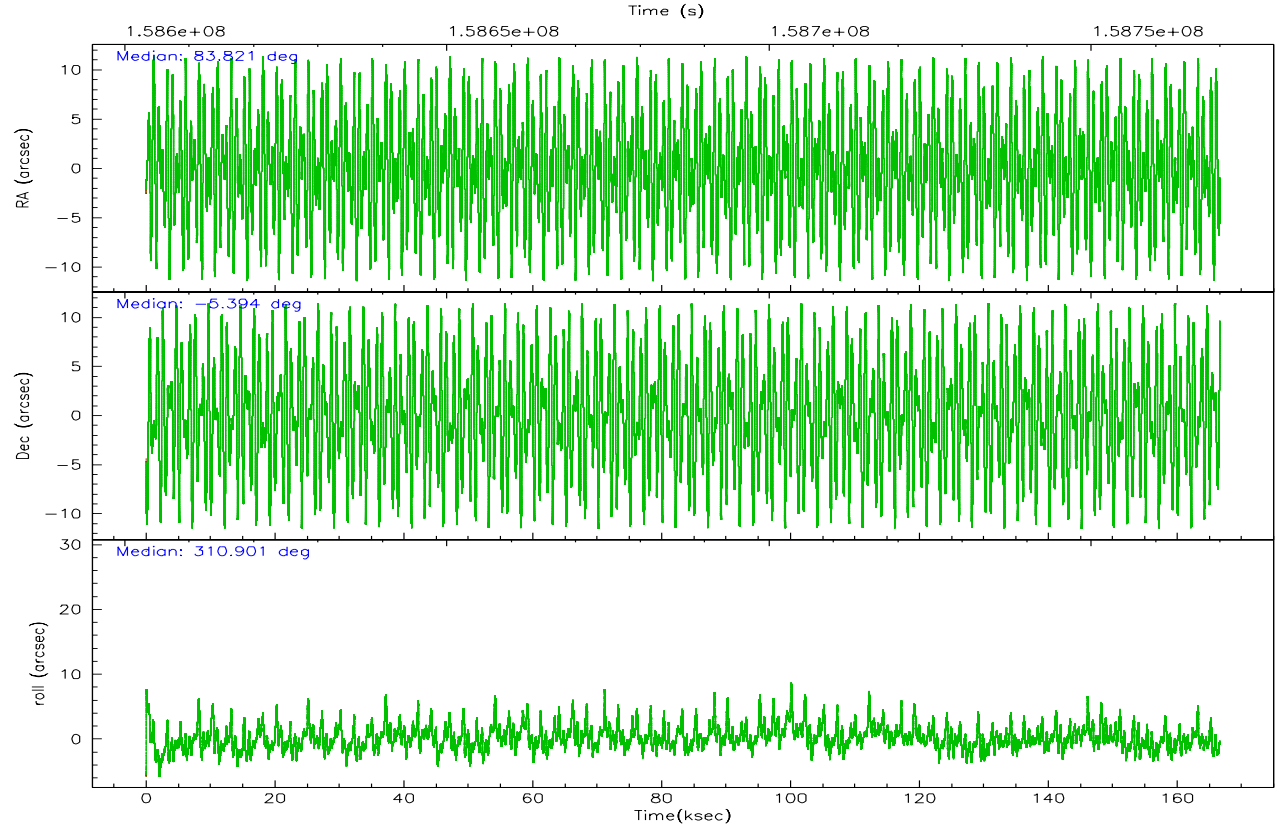
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	190593	189056	157252	529451	39968
	19%	18%	14%	33%	4%
grade 1 events	2672	3024	2342	23591	390
	0%	0%	0%	1%	0%
grade 2 events	39109	38018	32709	93329	18289
	3%	3%	3%	5%	2%
grade 3 events	15740	16275	13313	36096	9694
	1%	1%	1%	2%	1%
grade 4 events	15351	16139	13419	35395	9570
	1%	1%	1%	2%	1%
grade 5 events	24860	27430	23420	47813	26405
	2%	2%	2%	3%	3%
grade 6 events	19186	20861	16423	42466	16087
	1%	2%	1%	2%	1%
grade 7 events	685501	685426	797710	767792	725835
	69%	68%	75%	48%	85%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	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	83.794989	83.82100866573131	Subarray requested	NONE	NONE
Pointing Dec	-5.385556	-5.394405743872035	Alternating exposures requested	N	N
Pointing Roll	310.697693	310.9088208937429	Primary exposure time	0.000000	3.1
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-233.592463	-233.5874344608287			
SIM translation stage offset (mm)	0	-0.005018542100998502			
Observation start time	158603762.184000	158602659.75224			
Observation start date	2003-01-10T16:34:58	2003-01-10T16:17:39			
Observation end time	158769998.184000	158770312.85926			
Observation end date	2003-01-12T14:45:34	2003-01-12T14:51:52			
Read mode	TIMED	TIMED			

2.3 Aspect



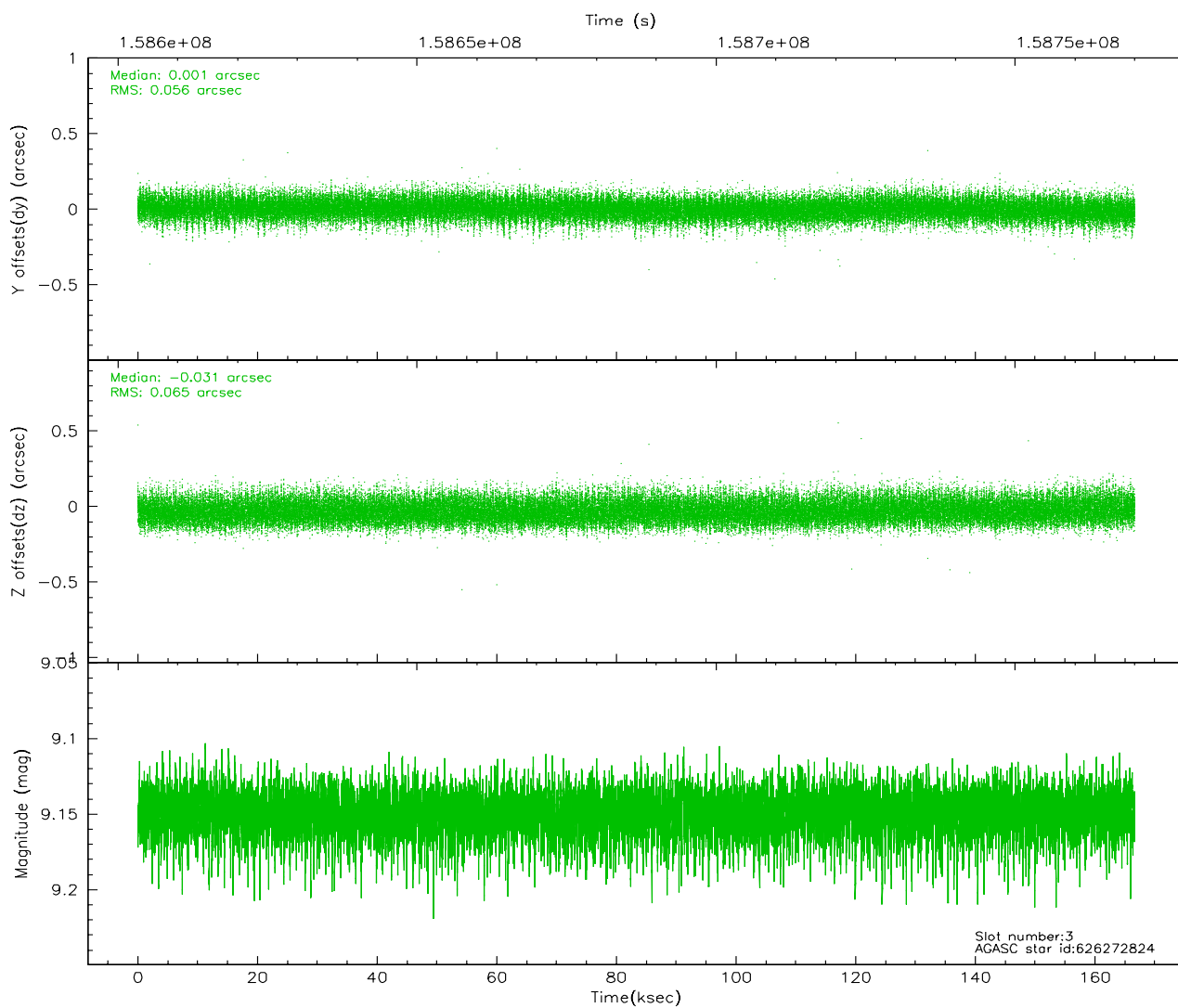
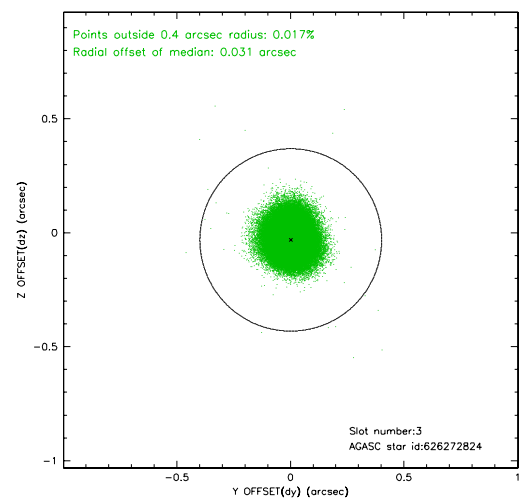
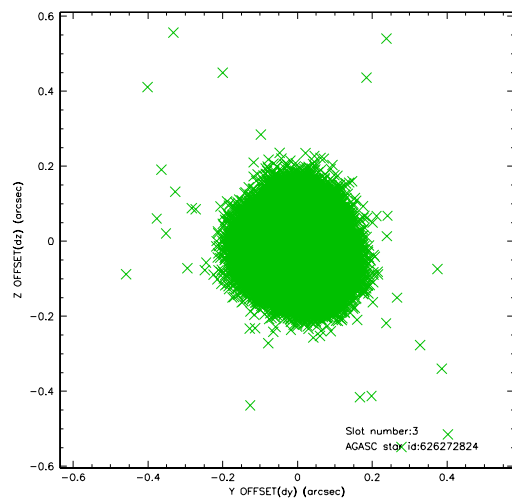


Slot Statistics

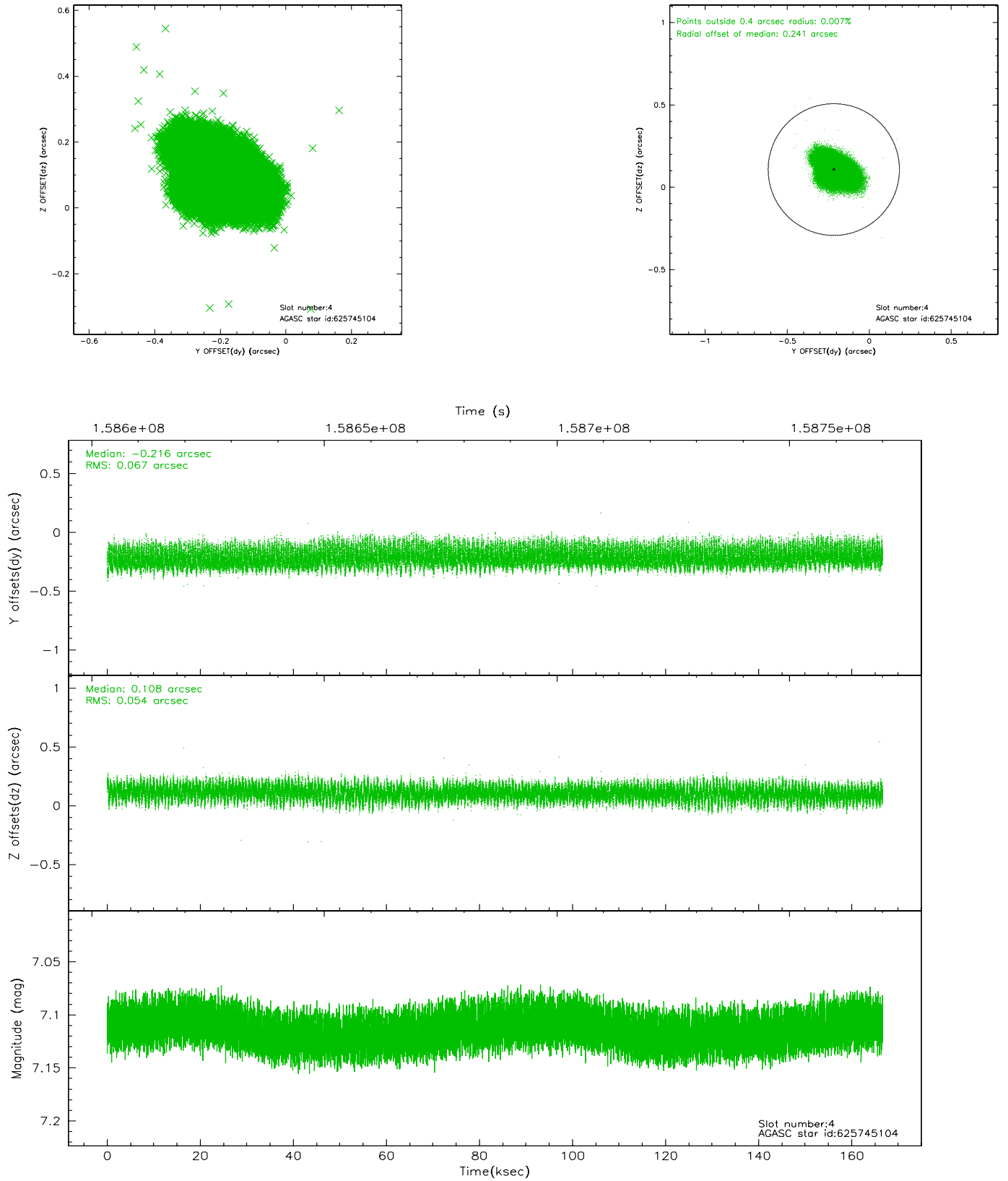
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.25	40658	-0.018	0.036	0.006	0.012	0.000000	0.000000	937.96	-830.09
1	FID	ACIS-I-5	7.24	40652	-0.035	0.041	0.006	0.010	0.000000	0.000000	-1810.18	1067.53
2	FID	ACIS-I-6	7.26	40656	-0.039	-0.006	0.007	0.013	0.000000	0.000000	403.67	1711.80
3	GUIDE	626272824	9.15	81150	0.001	-0.031	0.092	0.146	83.942139	-6.012794	2056.10	-1072.62
4	GUIDE	625745104	7.11	81312	-0.216	0.108	0.092	0.149	83.841109	-4.494168	-2325.28	2218.09
5	GUIDE	625745272	9.21	80921	-0.023	0.099	0.110	0.182	83.734325	-4.765942	-1833.03	1289.66
6	GUIDE	626273032	9.21	81275	0.070	-0.083	0.107	0.187	83.765167	-5.983575	1563.19	-1484.39
7	GUIDE	626272904	9.80	81260	0.170	-0.086	0.143	0.224	83.894968	-6.083561	2139.24	-1366.79

2.4 Star Slots

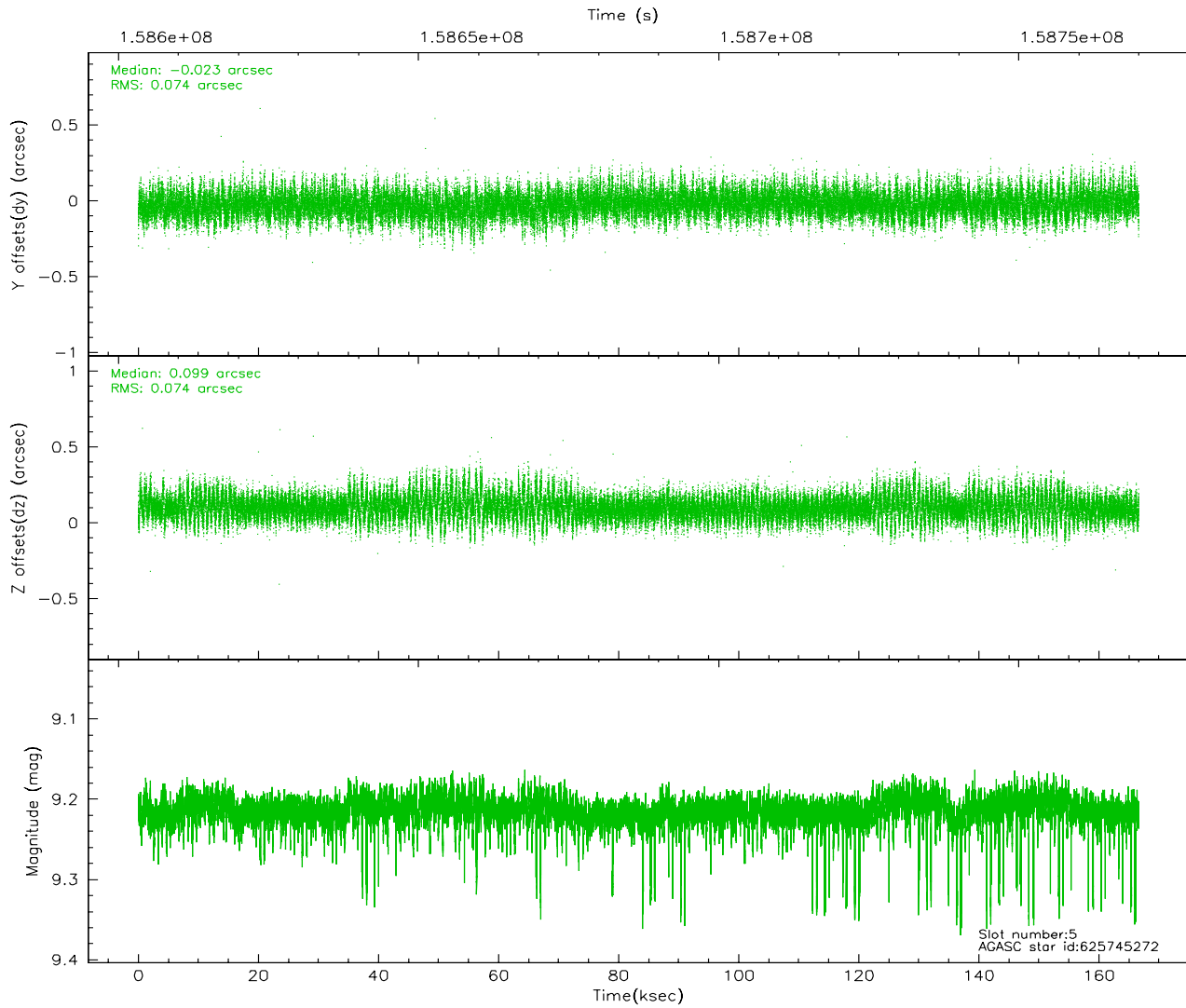
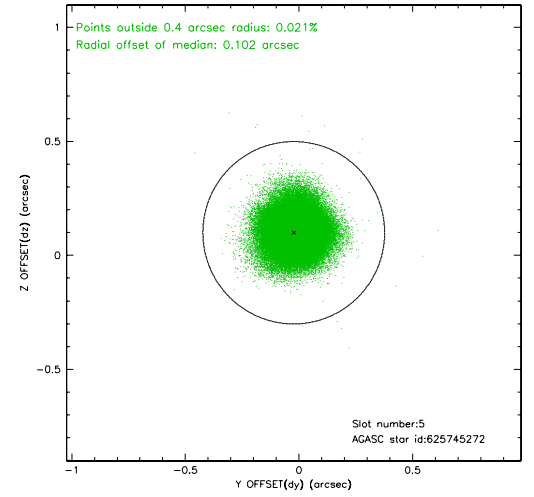
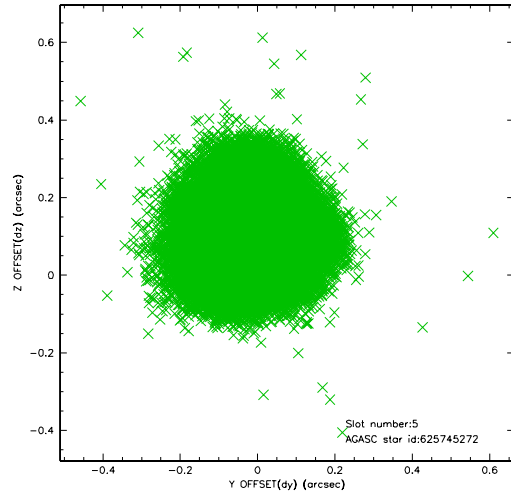
2.4.1 Slot 3



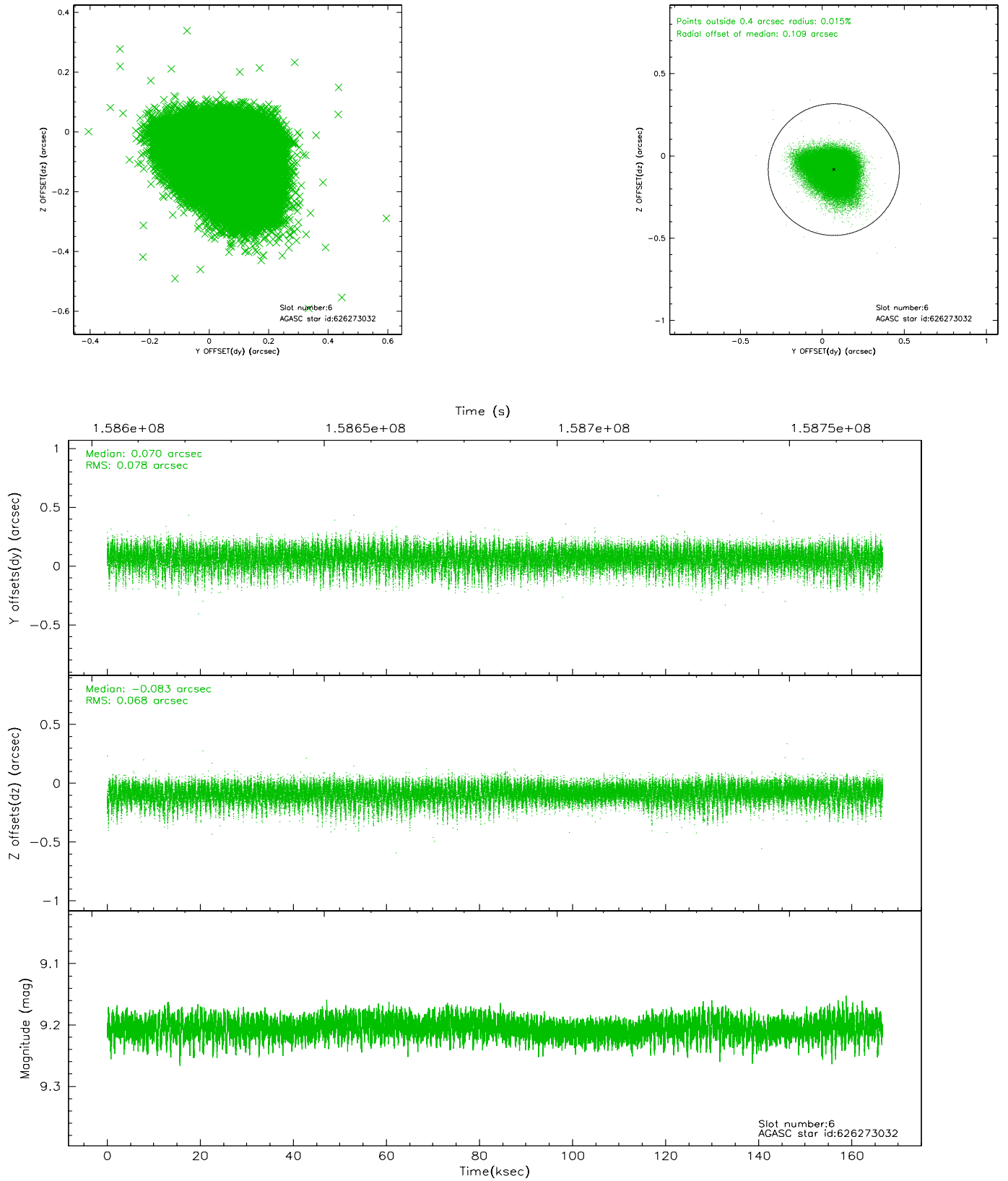
2.4.2 Slot 4



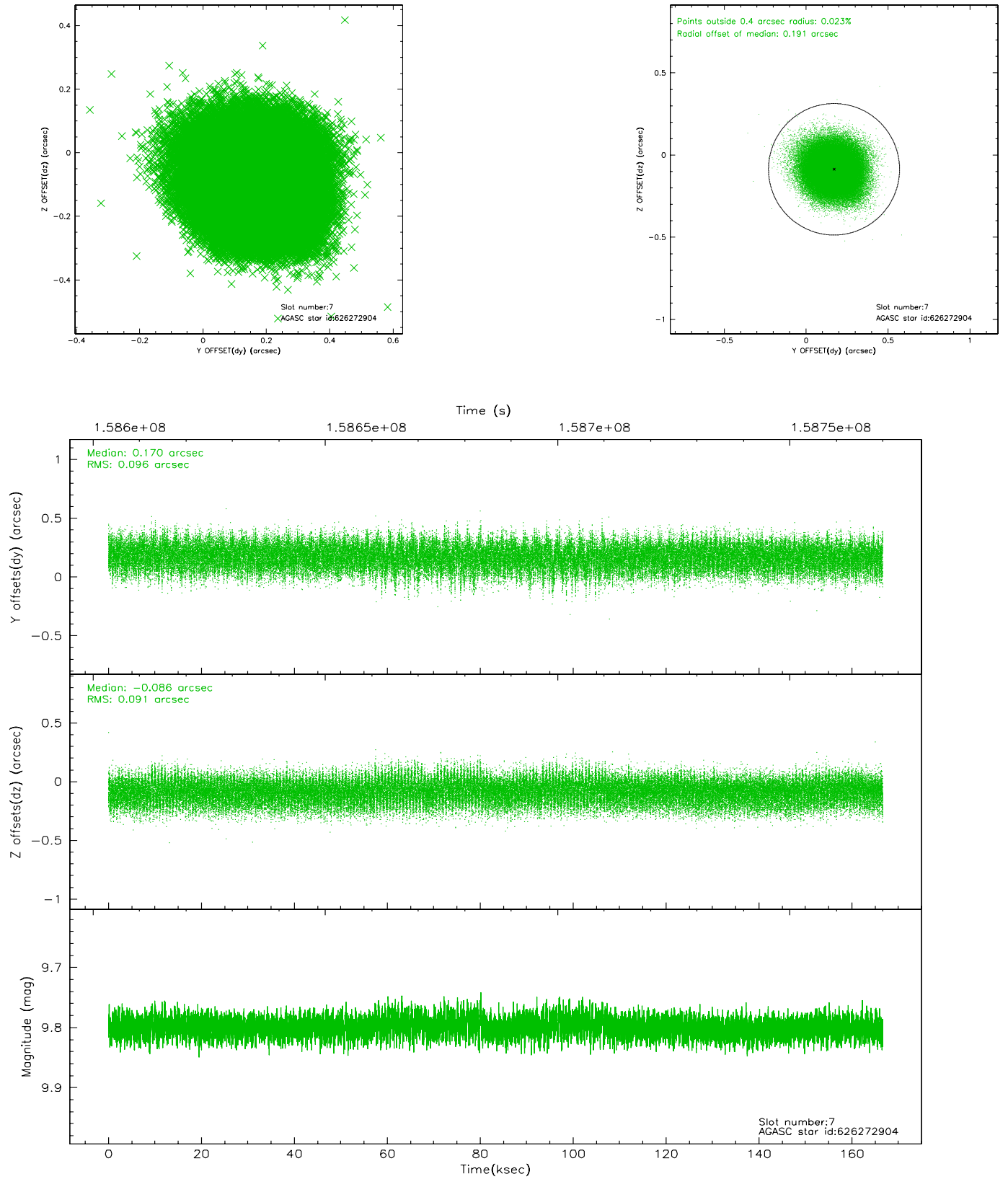
2.4.3 Slot 5



2.4.4 Slot 6

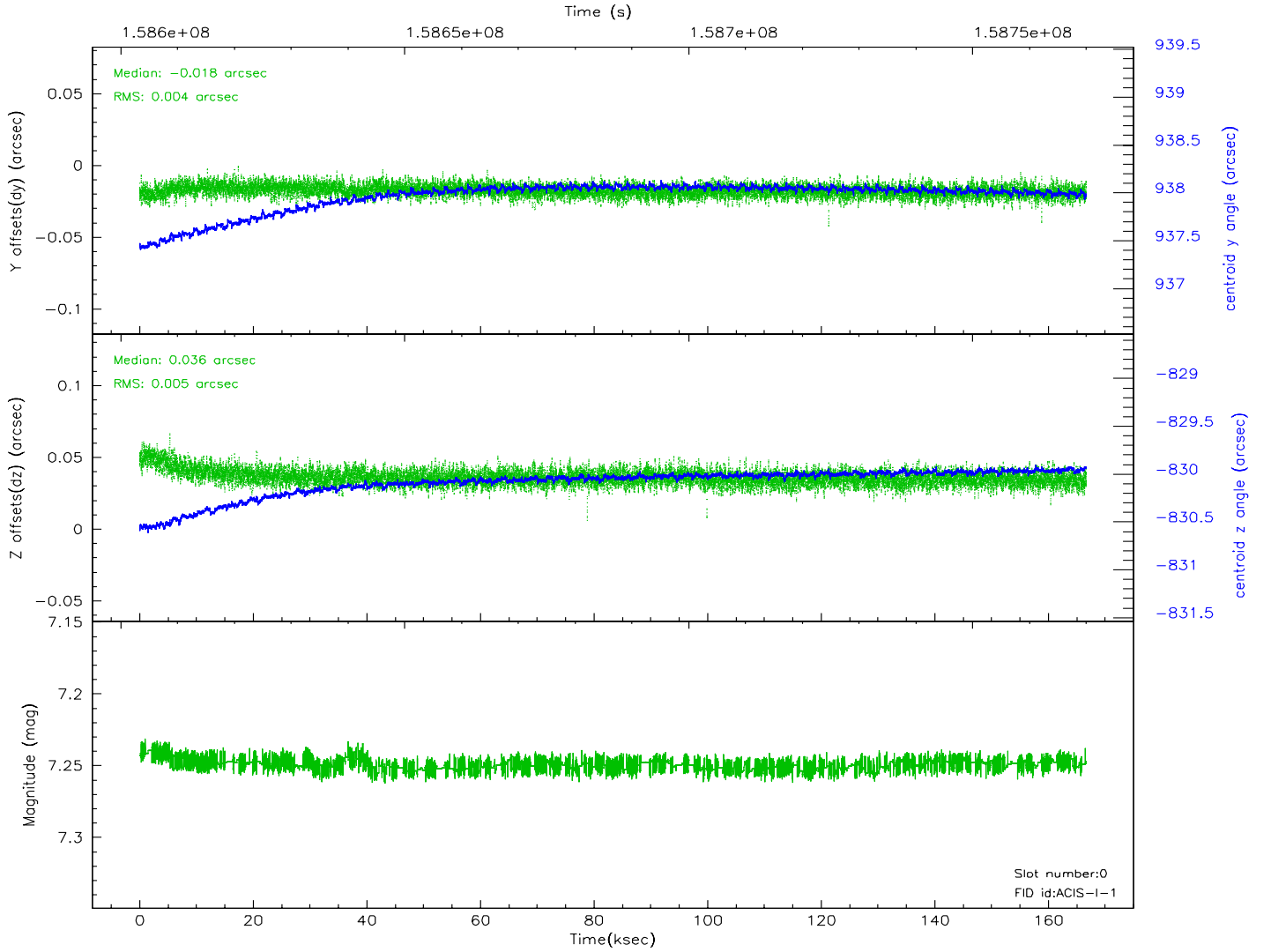
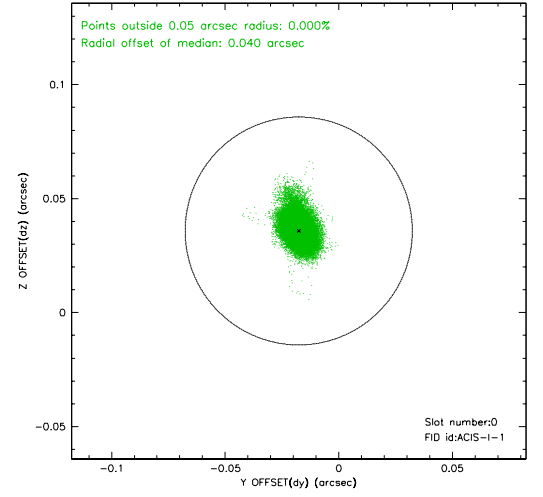
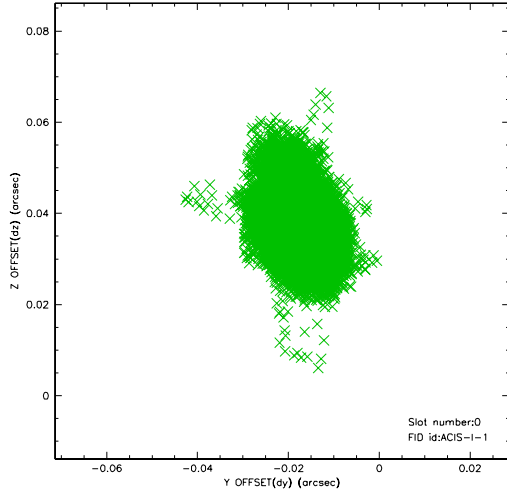


2.4.5 Slot 7

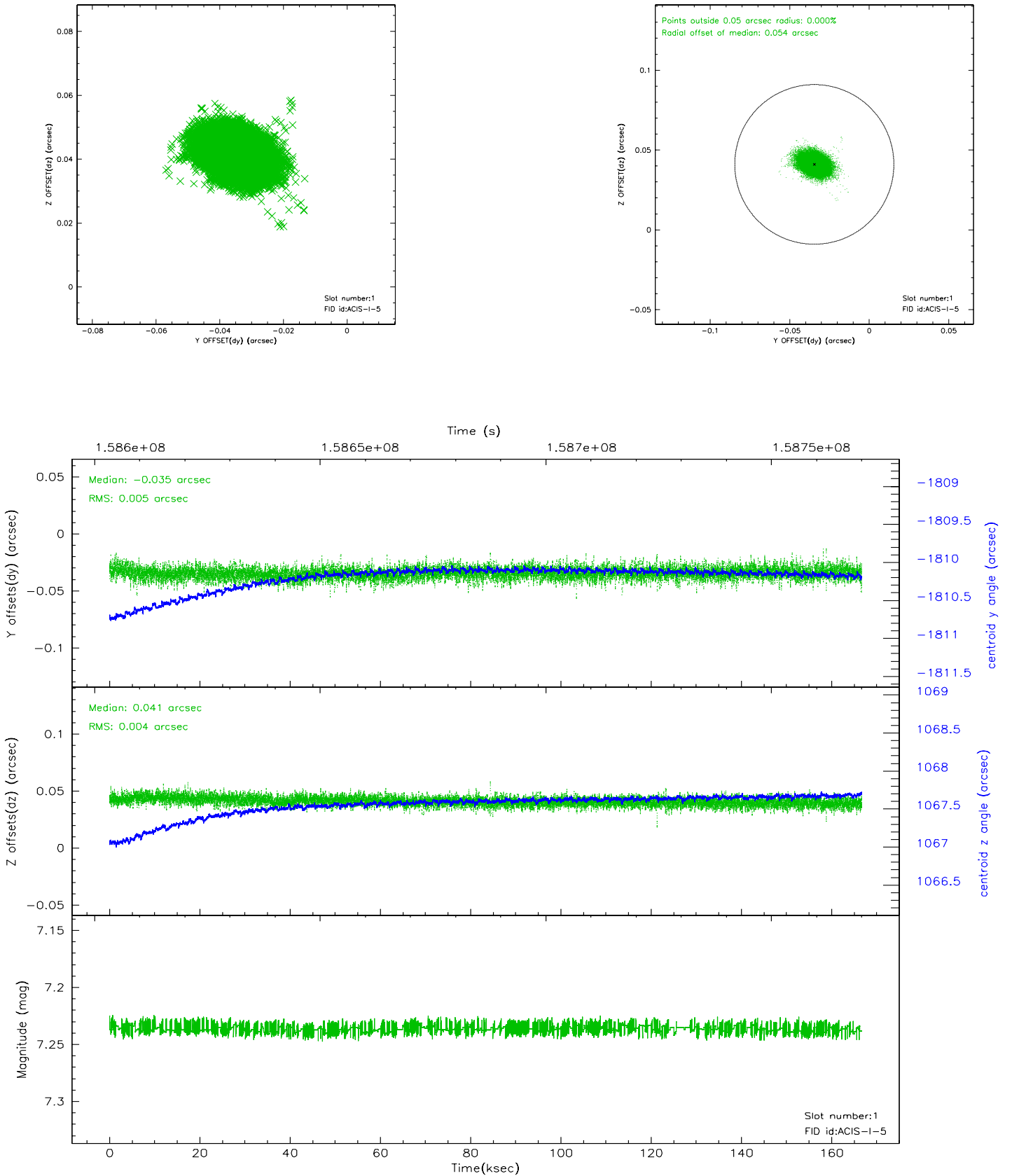


2.5 FID Slots

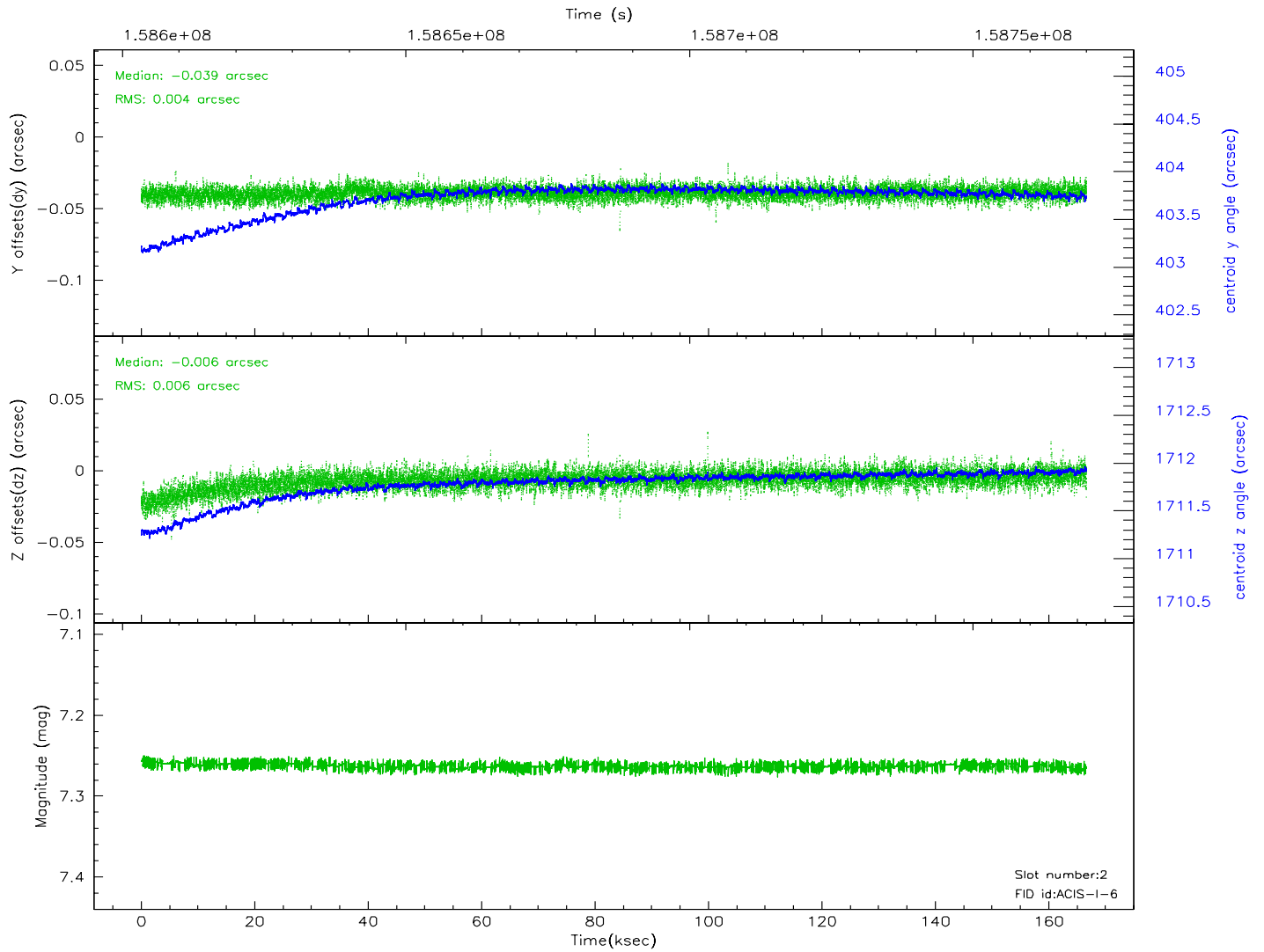
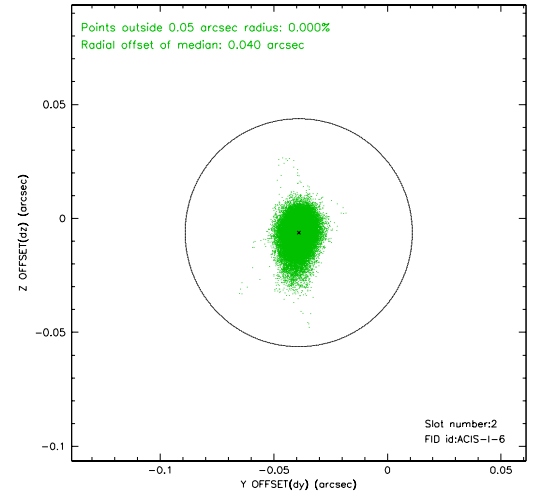
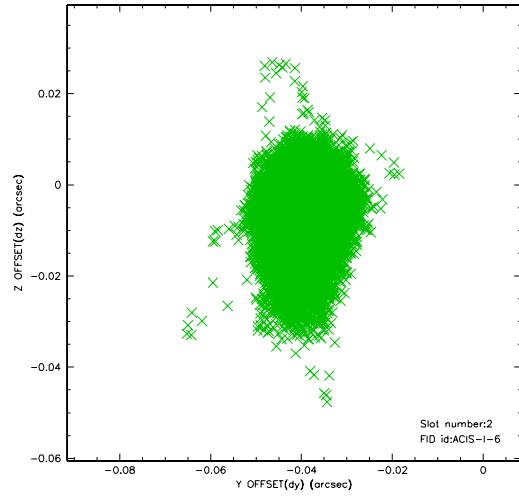
2.5.1 Slot 0



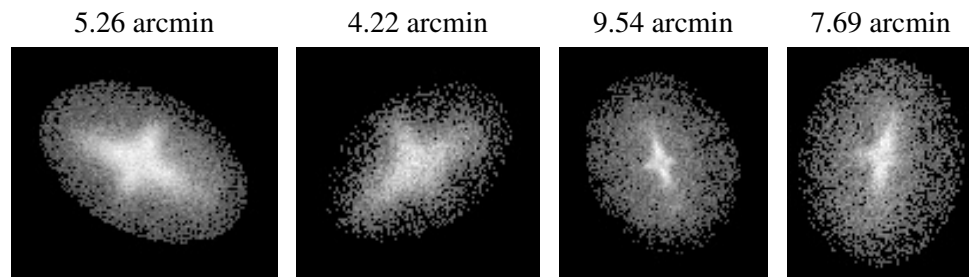
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.10.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	166.33

A.2 Comments