

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 4289 - L2 Version 001
Chandra X-Ray Center

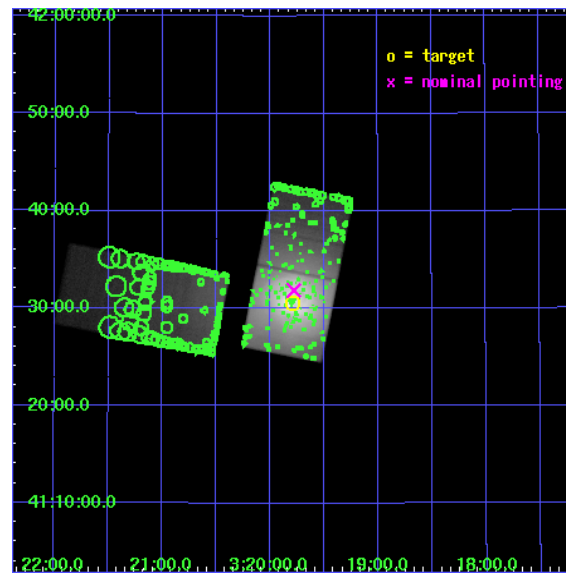
L2 Processing Date : Sep 30 2006

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

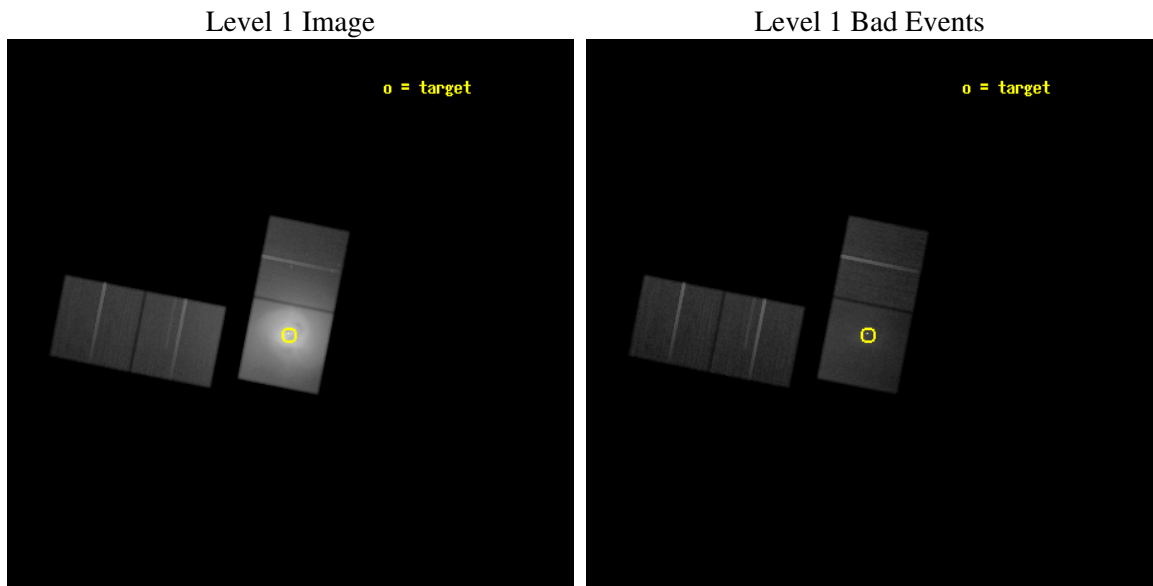
seq_num	800209
obs_id	4289
title	A DETAILED STUDY OF THE CORE OF THE PERSEUS CLUSTER
observer	Prof Andrew Fabian
object	ABELL 426
dtcycle	0
cycle	P
ra_targ	49.948333
dec_targ	41.510278
ra_nom	49.945250007597
dec_nom	41.530919598387
roll_nom	101.18694895288
revision	2
ontime	96676.558853865
livetime	95413.408440192
ontime1	96673.417883664
ontime3	96673.417893678
ontime6	96679.699814111
ontime7	96676.558853865
l2events	9257171



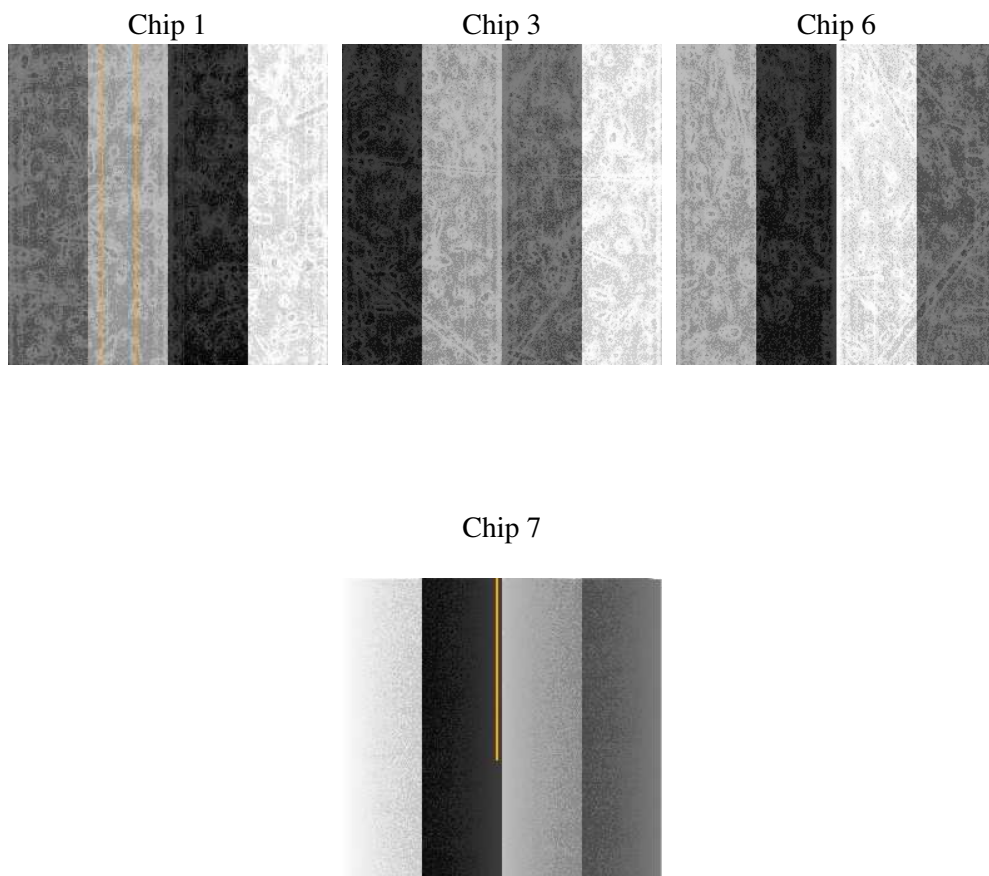
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-09-30T15:00:14
revision	2

sched_exp_time	96500.000000
ontime	96736.534563988
ontime1	96733.393593788
ontime3	96733.39357391
ontime6	96739.675524235
ontime7	96736.534563988
l1events	11549714

2.1.4 Events

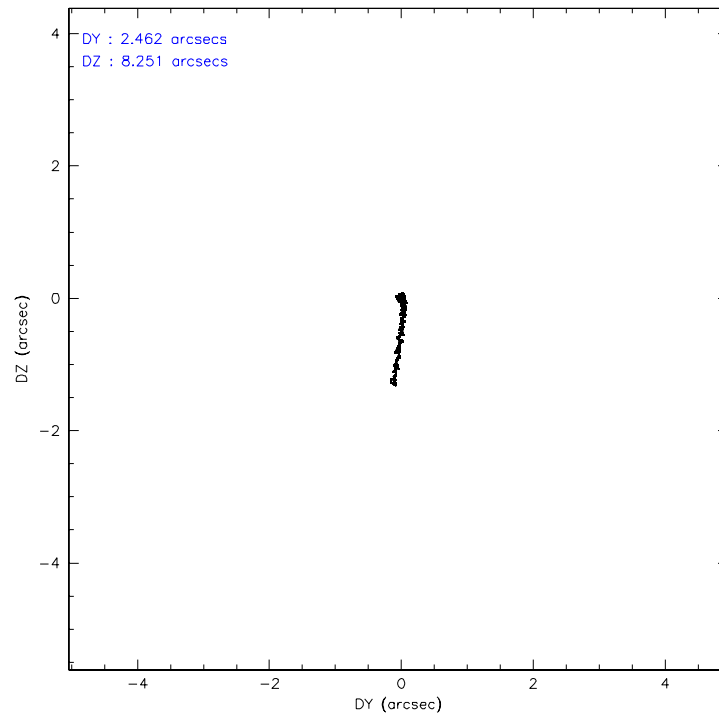
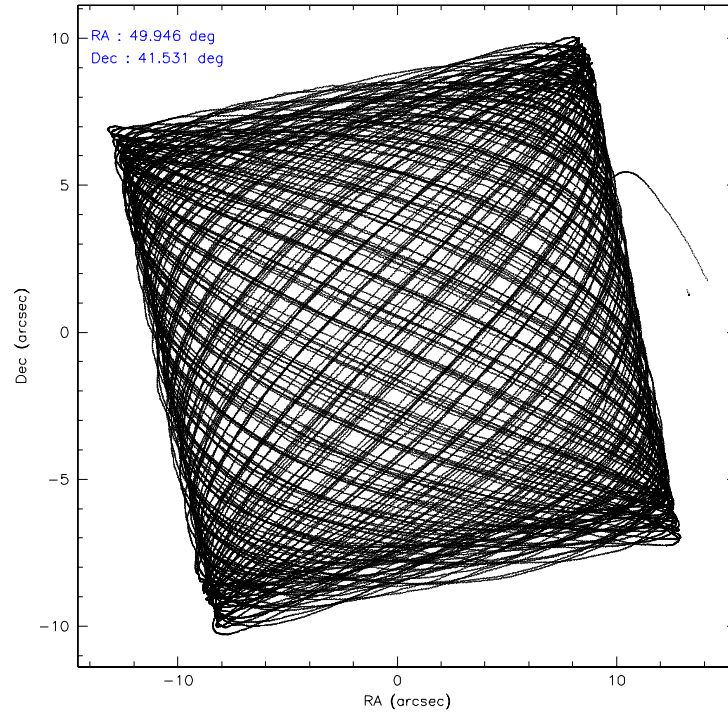
	ccd 1	ccd 3	ccd 6	ccd 7
level 1 events	681644	1016169	1456698	8395203
rejected events	477489	517805	541891	605387
rejected %	70%	50%	37%	7%

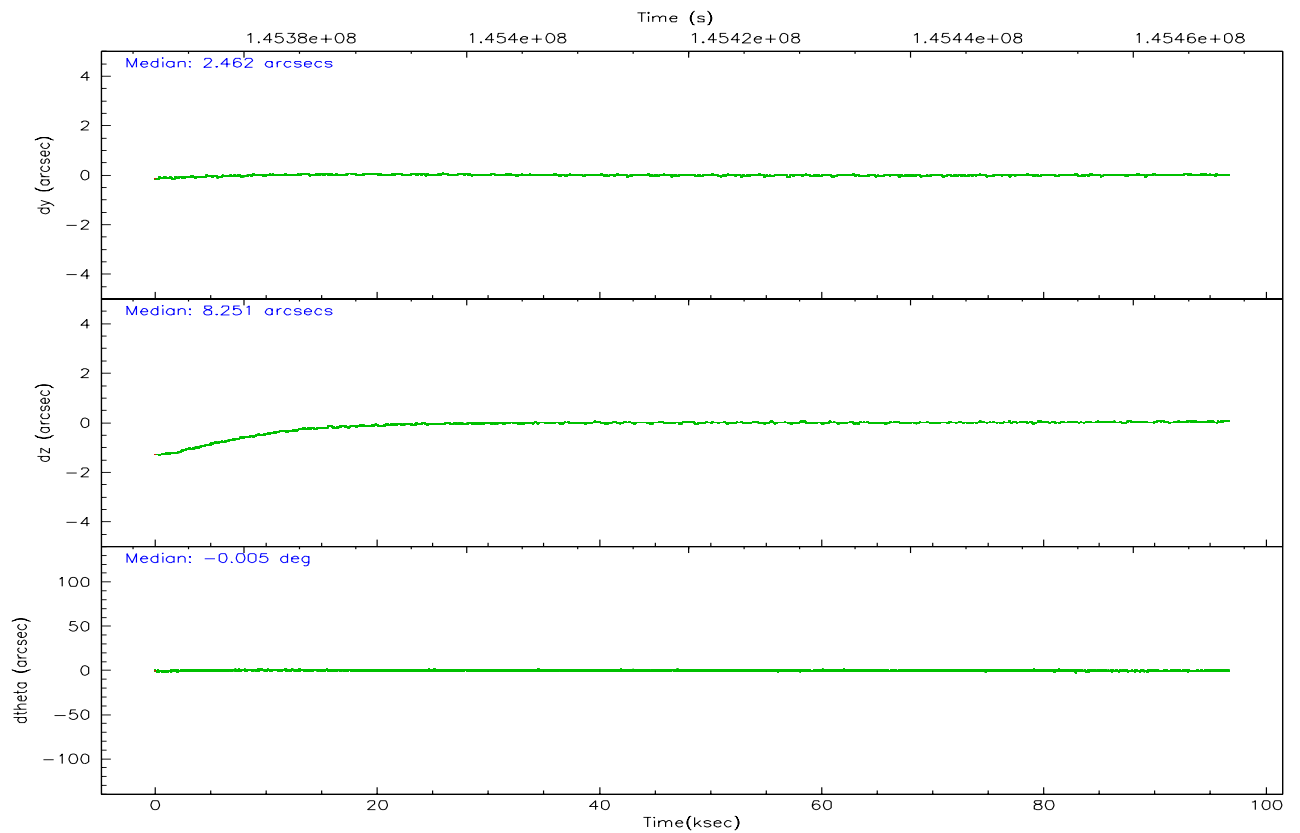
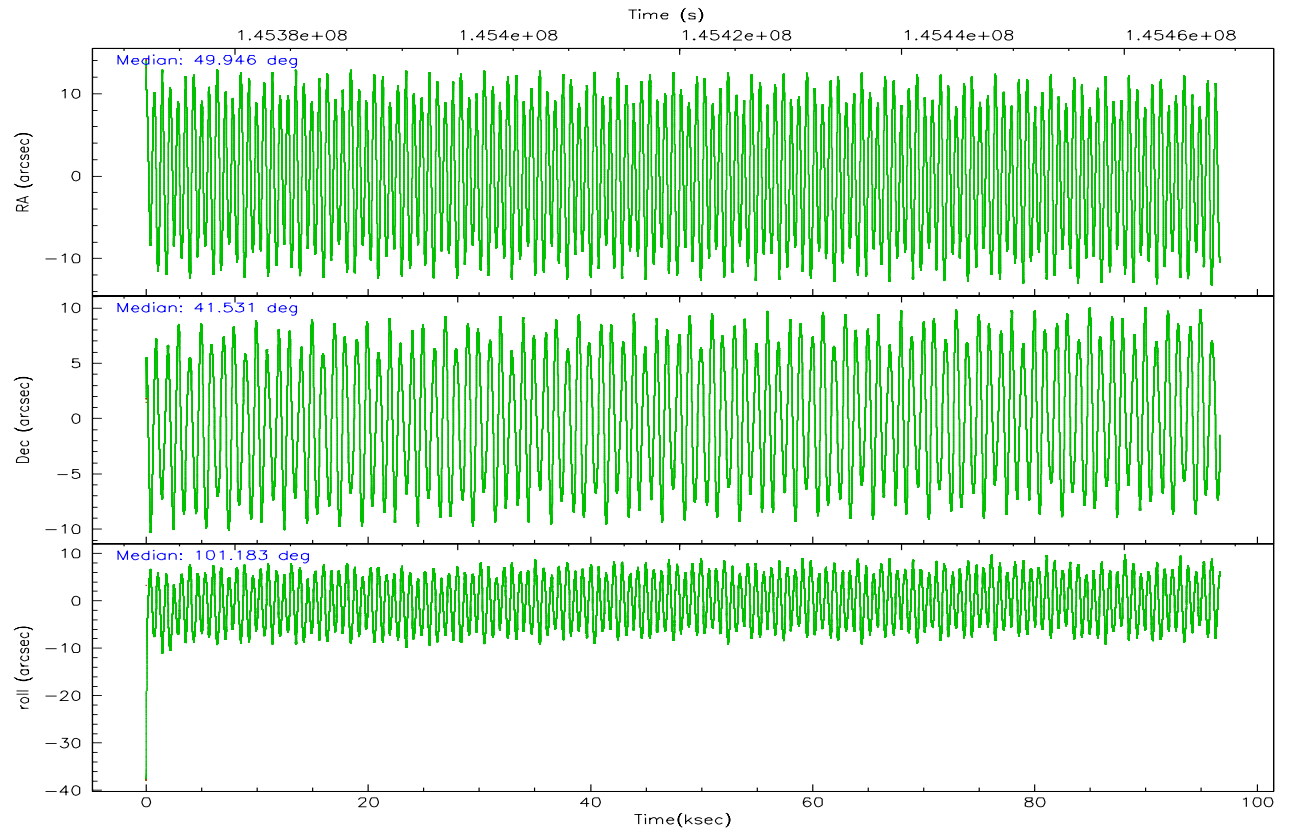
	ccd 1	ccd 3	ccd 6	ccd 7
grade 0 events	135810	379434	710146	1977987
	19%	37%	48%	23%
grade 1 events	652	1852	2696	5033
	0%	0%	0%	0%
grade 2 events	28504	55985	100955	2218423
	4%	5%	6%	26%
grade 3 events	11621	20293	33151	846388
	1%	1%	2%	10%
grade 4 events	11449	20627	33028	830528
	1%	2%	2%	9%
grade 5 events	24439	26155	28732	108297
	3%	2%	1%	1%
grade 6 events	16899	22334	38105	1921372
	2%	2%	2%	22%
grade 7 events	452270	489489	509885	487175
	66%	48%	35%	5%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-1367	ACIS-1367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	49.969554	49.94525000759651	Subarray requested	NONE	NONE
Pointing Dec	41.510654	41.53091959838665	Alternating exposures requested	N	N
Pointing Roll	101.014214	101.1869489528784	Primary exposure time	0.000000	3.1
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	145372150.184000	145371179.1779			
Observation start date	2002-08-10T13:08:06	2002-08-10T12:52:59			
Observation end time	145468650.184000	145468800.18192			
Observation end date	2002-08-11T15:56:26	2002-08-11T16:00:00			
Read mode	TIMED	TIMED			

2.3 Aspect



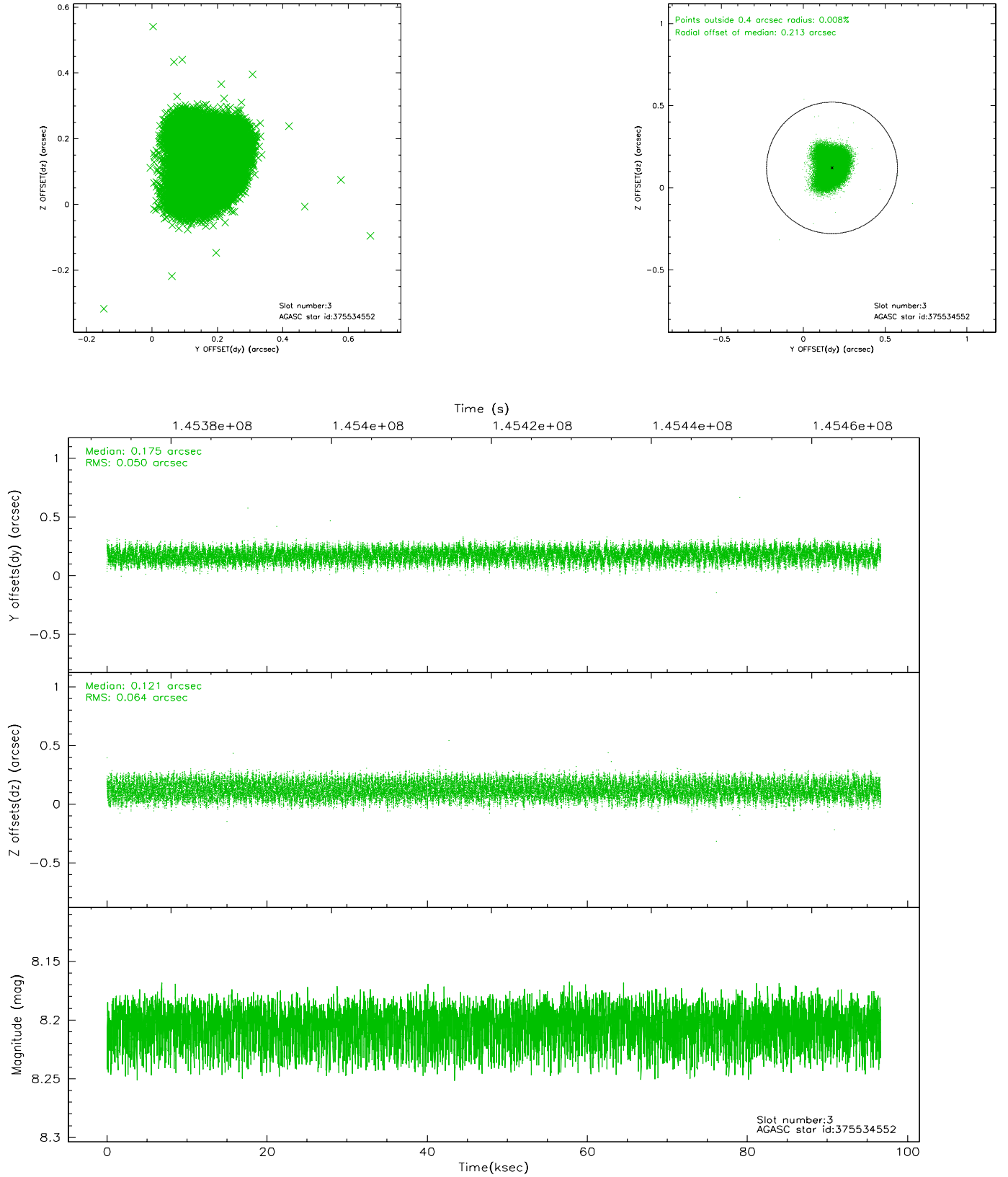


Slot Statistics

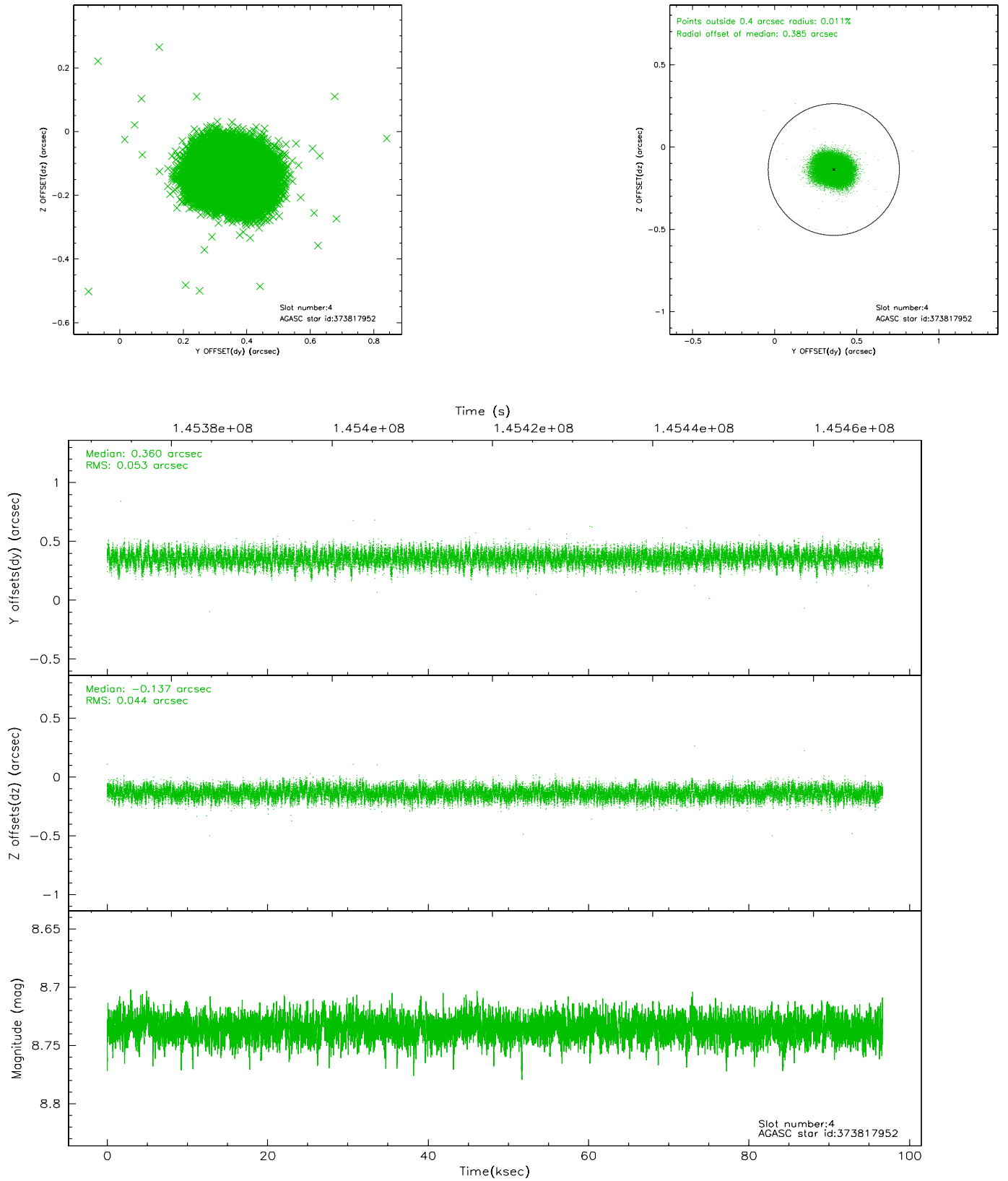
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	23582	0.005	0.027	0.008	0.037	0.000000	0.000000	940.93	-1724.95
1	FID	ACIS-S-5	7.24	23582	0.034	0.035	0.007	0.012	0.000000	0.000000	-1808.06	172.74
2	FID	ACIS-S-6	7.36	23582	-0.060	-0.050	0.008	0.038	0.000000	0.000000	406.55	816.49
3	GUIDE	375534552	8.20	47160	0.175	0.121	0.087	0.136	50.877490	41.206927	-1529.79	-2206.52
4	GUIDE	373817952	8.74	47153	0.360	-0.137	0.073	0.119	49.913424	40.978510	-1850.50	516.25
5	GUIDE	376068632	8.78	47149	-0.191	0.151	0.078	0.127	50.582093	42.167240	2014.04	-2056.03
6	GUIDE	374357808	8.69	47157	-0.184	0.033	0.071	0.116	49.921429	42.176083	2376.31	-330.78
7	GUIDE	374358688	9.31	47142	-0.156	-0.170	0.085	0.136	49.259903	42.100043	2452.86	1454.61

2.4 Star Slots

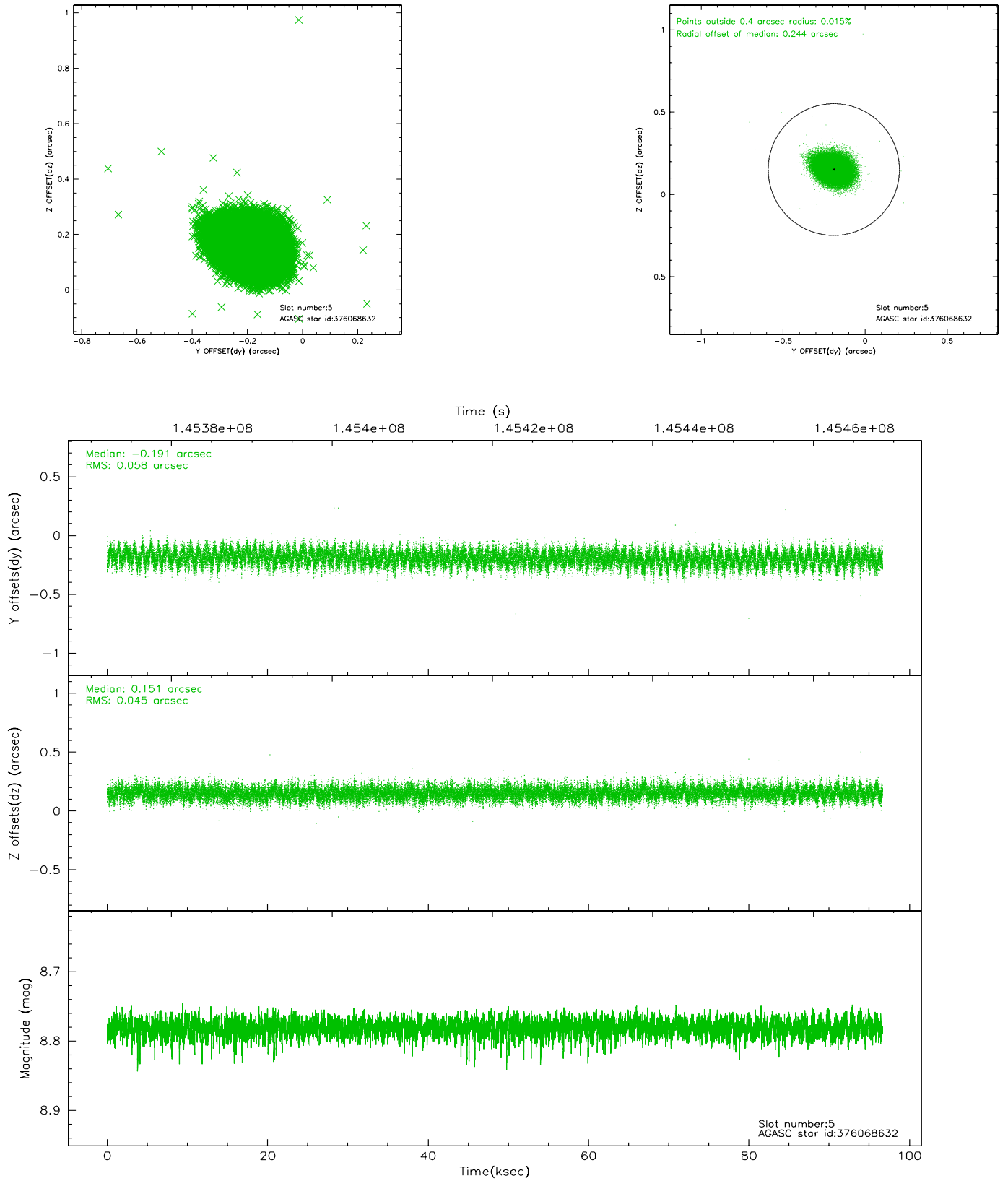
2.4.1 Slot 3



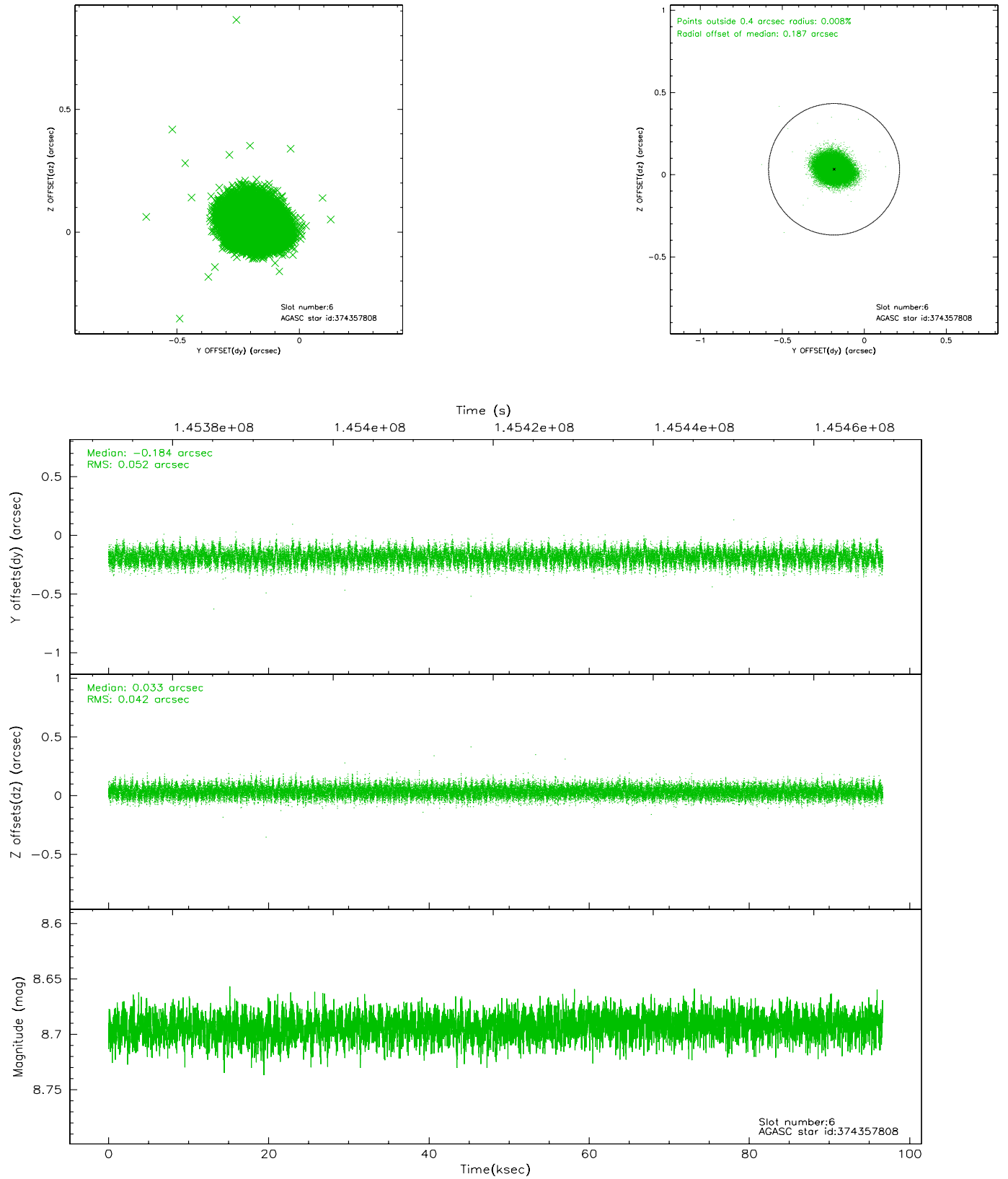
2.4.2 Slot 4



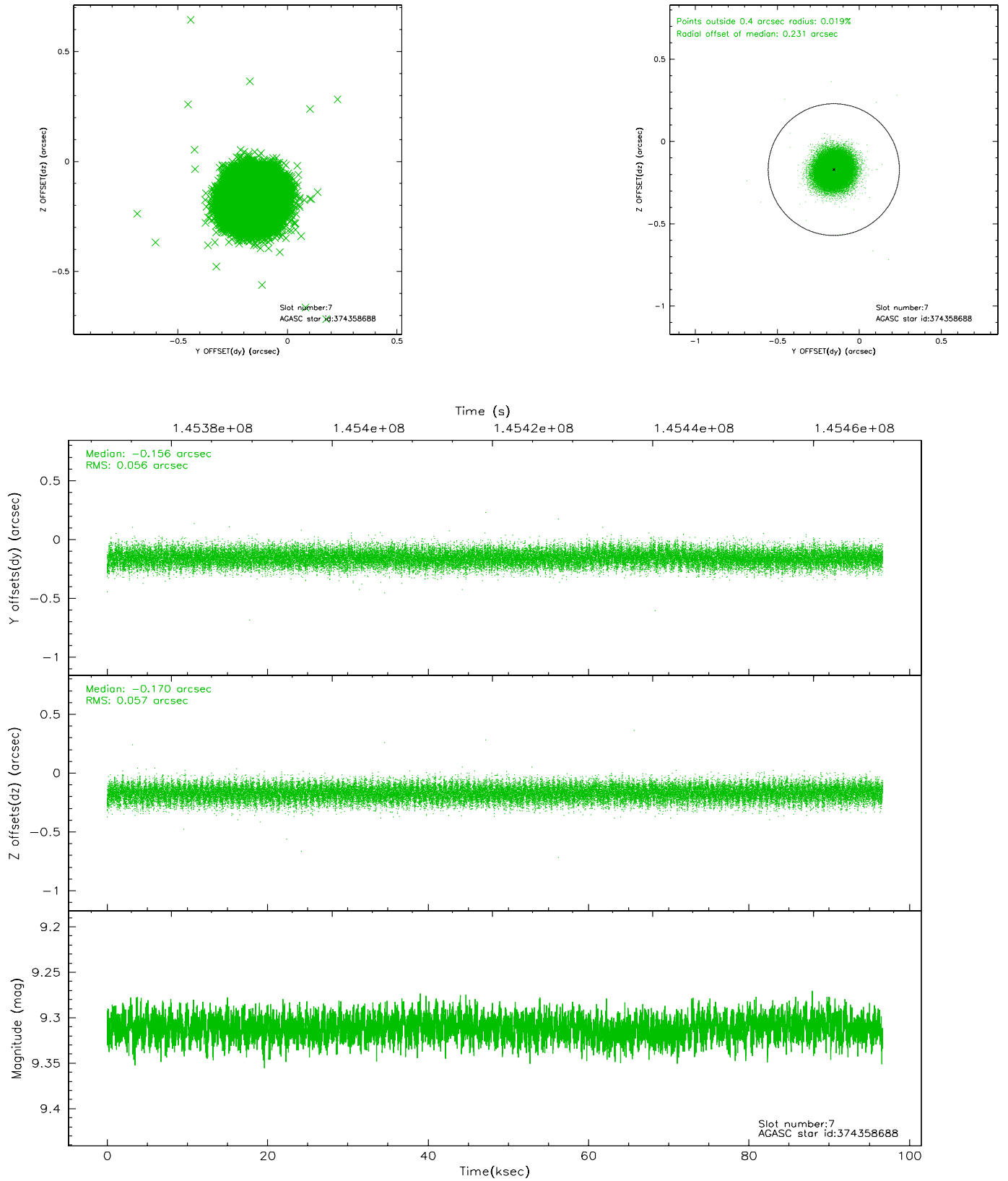
2.4.3 Slot 5



2.4.4 Slot 6

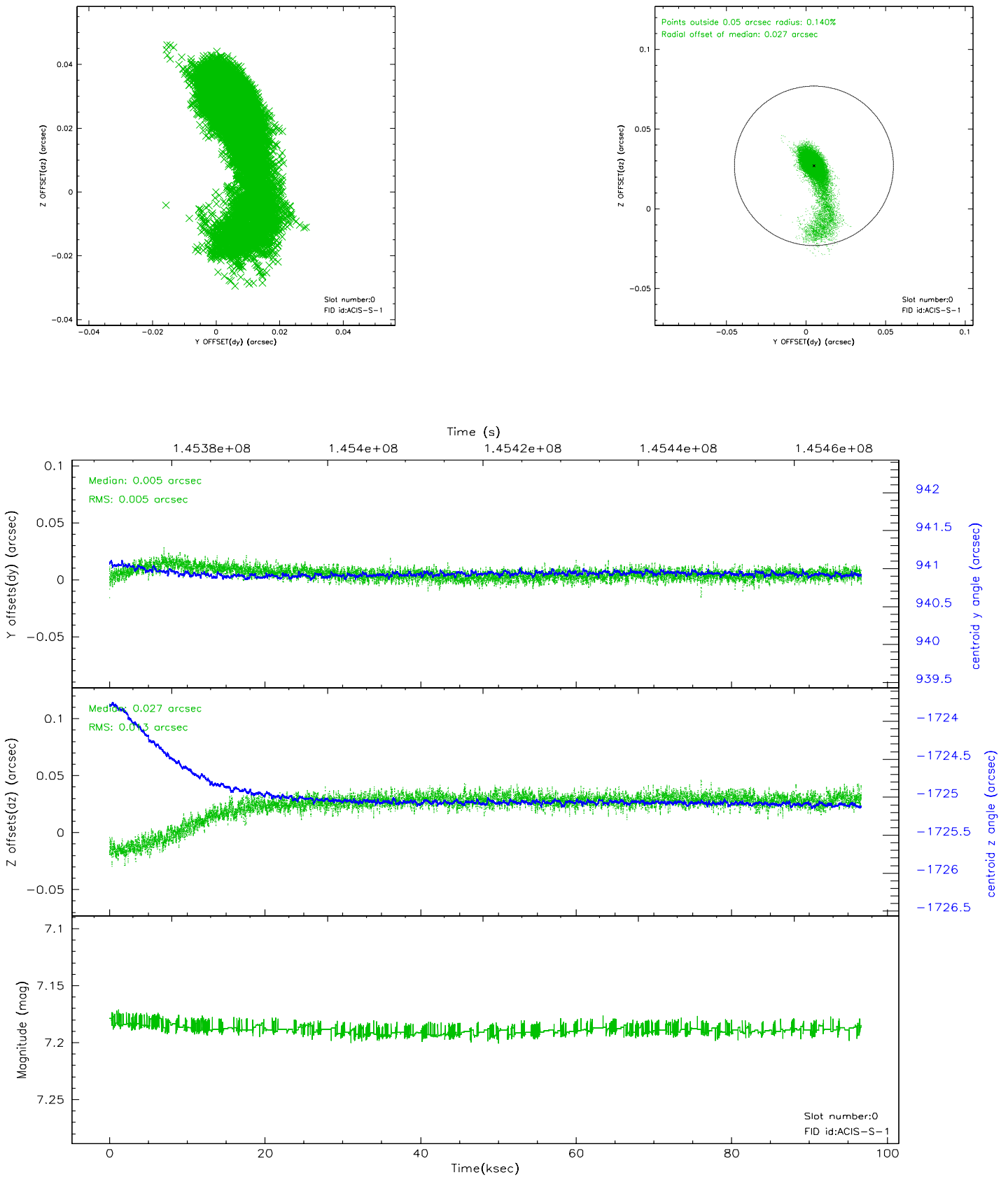


2.4.5 Slot 7

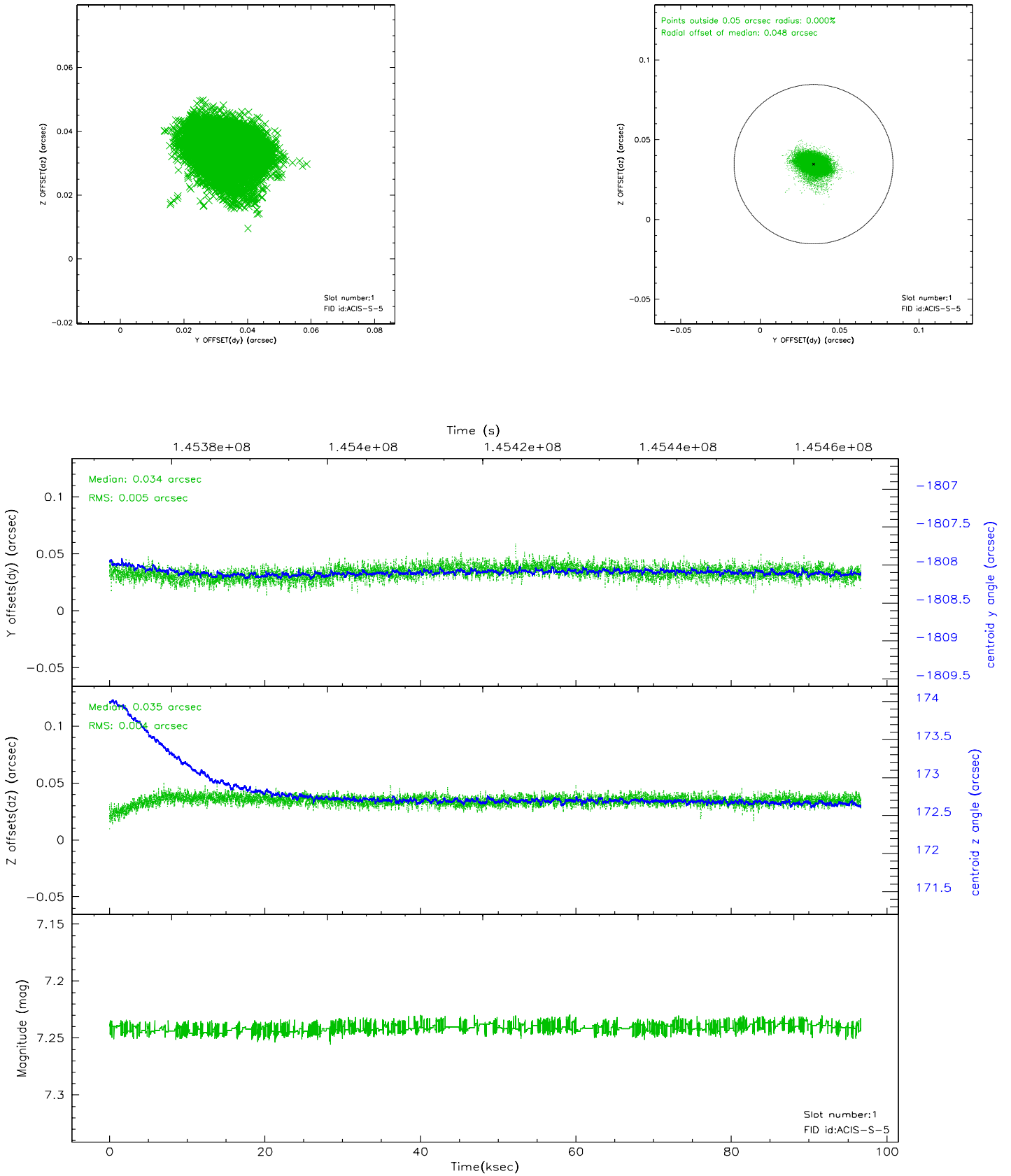


2.5 FID Slots

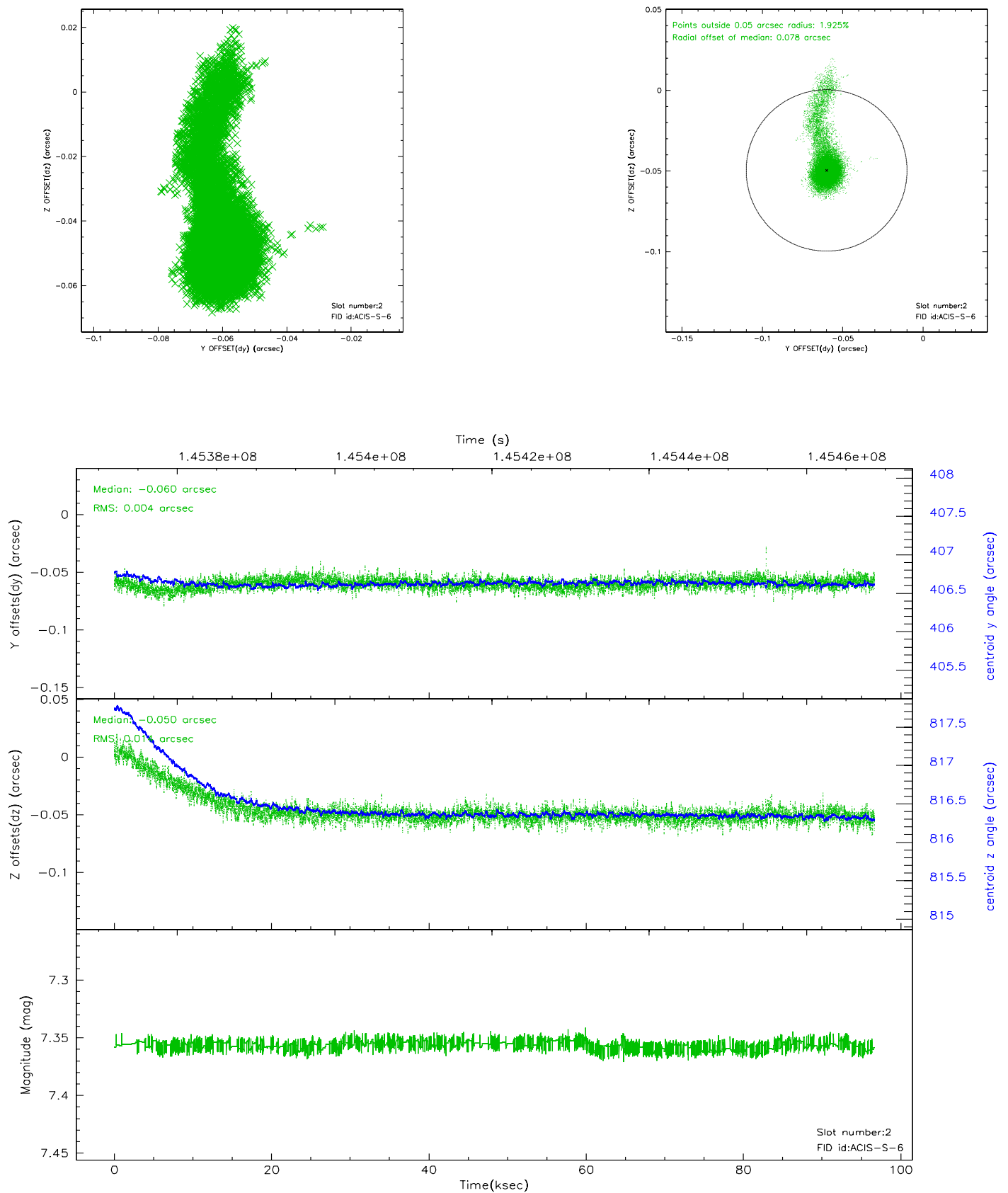
2.5.1 Slot 0



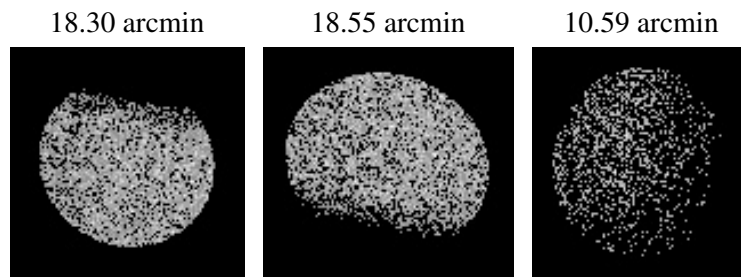
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.10.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	96.676

A.2 Comments