

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 4951 - L2 Version 001
Chandra X-Ray Center

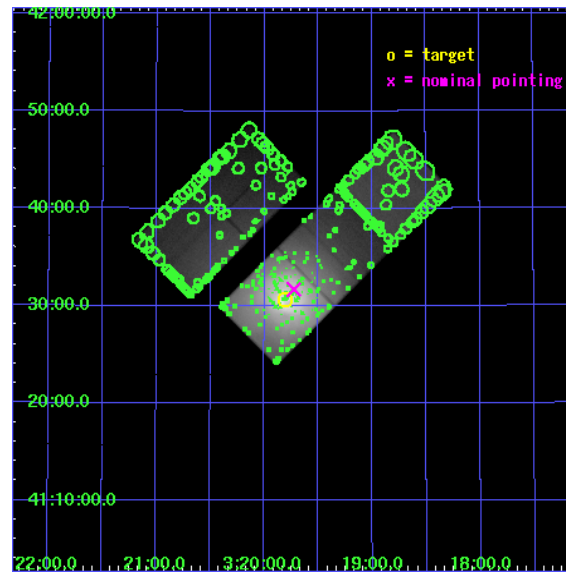
L2 Processing Date : Apr 15 2006

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1 Front

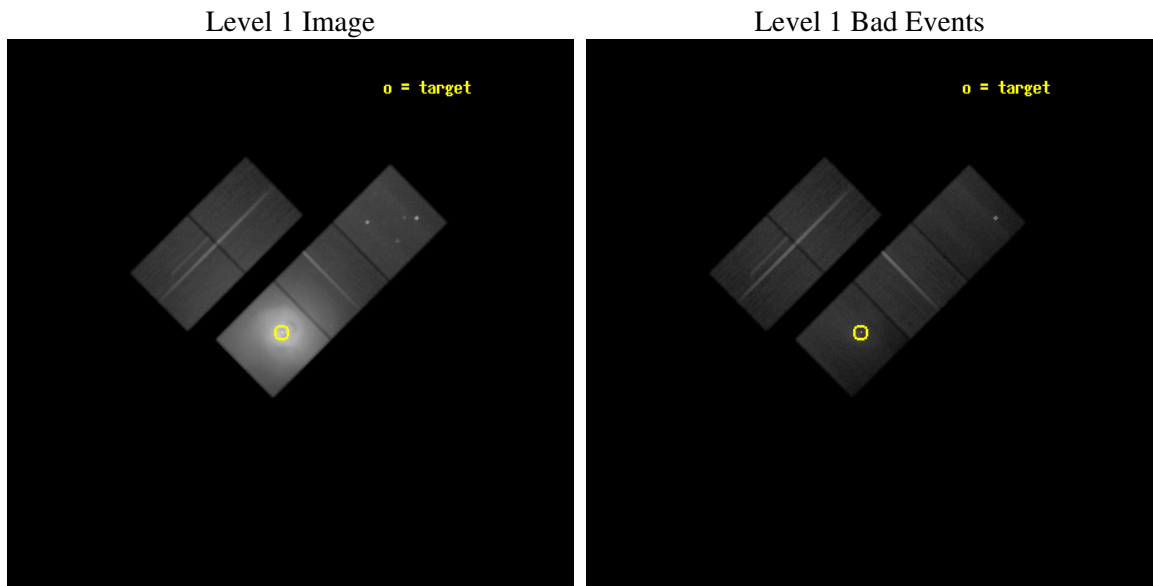
seq_num	800399
obs_id	4951
title	A Megasecond Image of the Core of the Perseus Cluster
observer	Prof Andrew Fabian
object	Abell 426
dtcycle	0
cycle	P
ra_targ	49.950833
dec_targ	41.511722
ra_nom	49.931538802213
dec_nom	41.528487707905
roll_nom	135.21872354922
revision	2
ontime	97392.69981274
livetime	96120.192490224
ontime2	97386.417842239
ontime3	97373.853821486
ontime5	97392.69981274
ontime6	97383.27687192
ontime7	97392.69981274
l2events	9499864



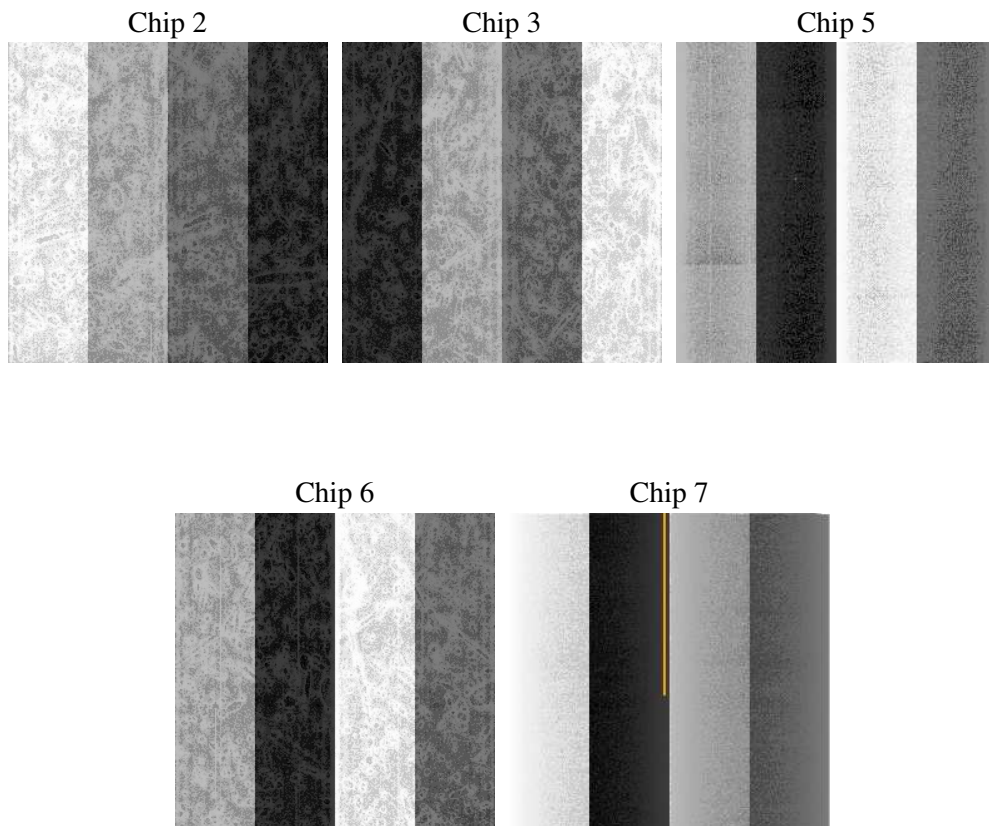
2 OBI

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	2006-04-15T10:17:44
revision	2

sched_exp_time	97210.000000
ontime	97443.626539081
ontime2	97437.34456858
ontime3	97424.780547827
ontime5	97443.626558989
ontime6	97434.203598261
ontime7	97443.626539081
l1events	12535203

2.1.4 Events

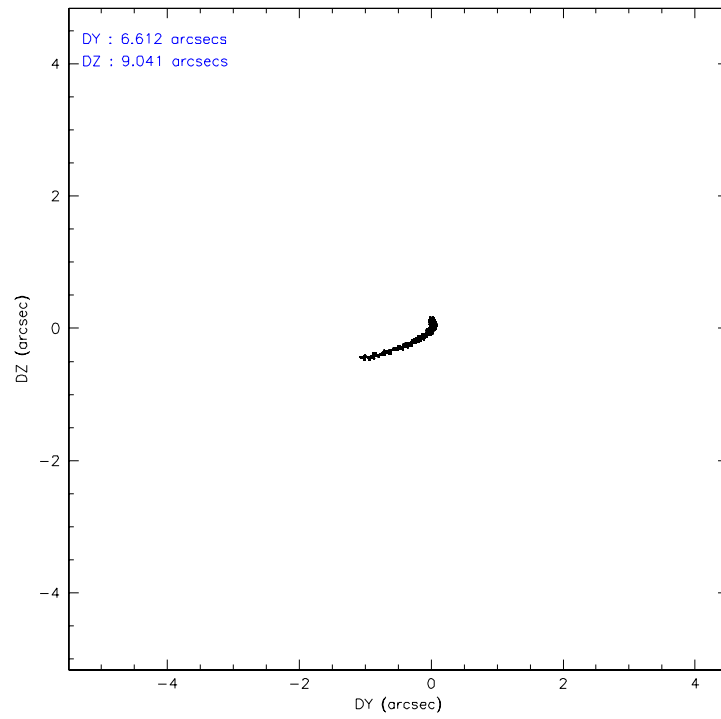
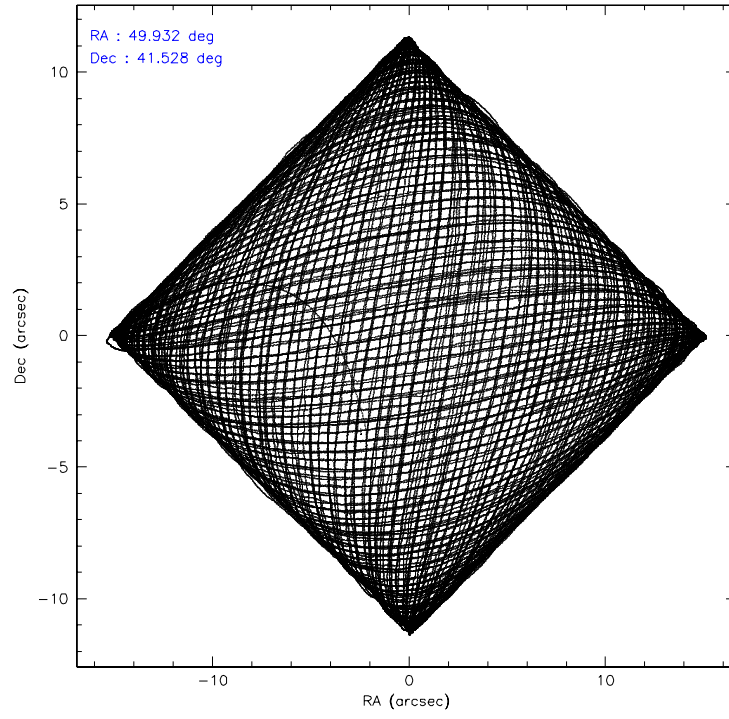
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
level 1 events	875237	998844	1025332	1540191	8095599
rejected events	622666	584138	467424	619810	547940
rejected %	71%	58%	45%	40%	6%

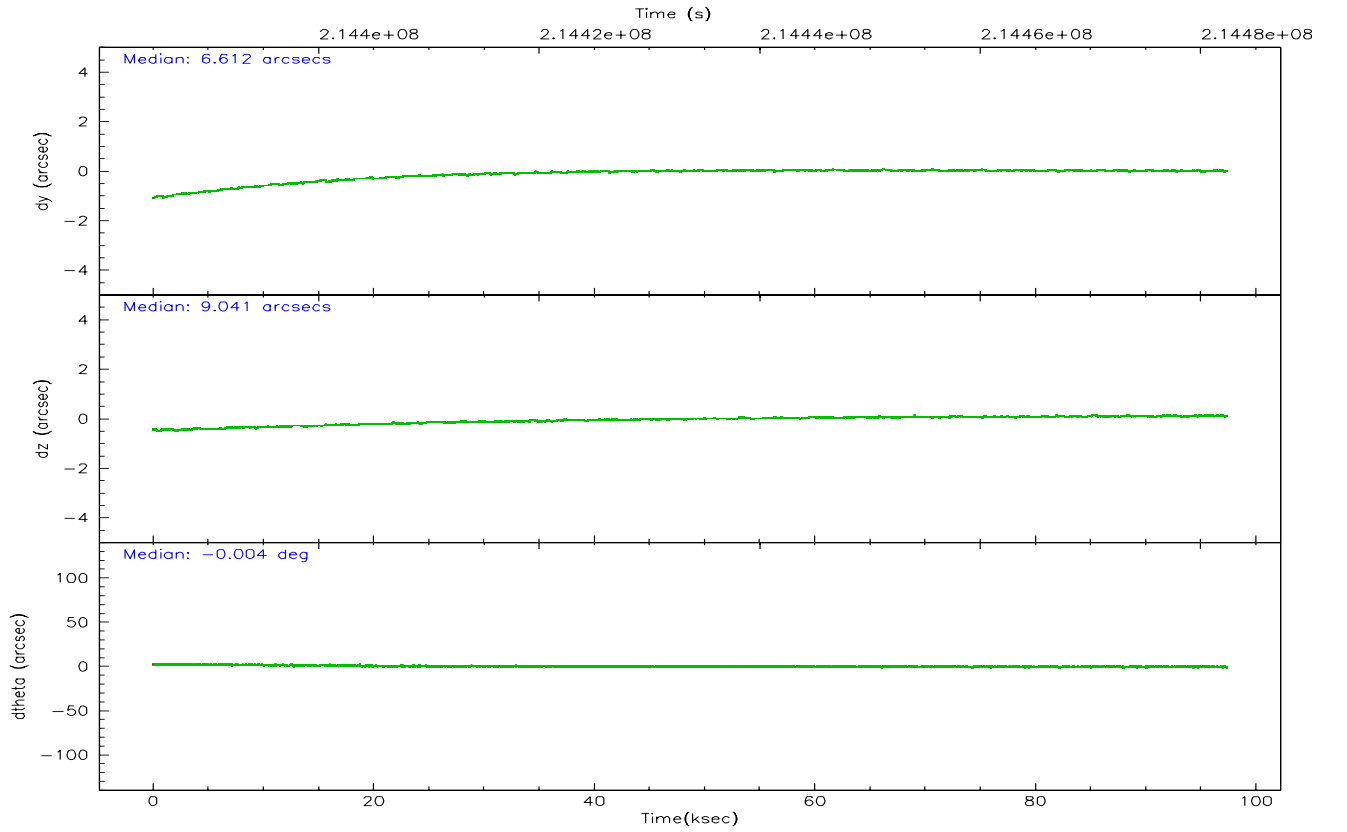
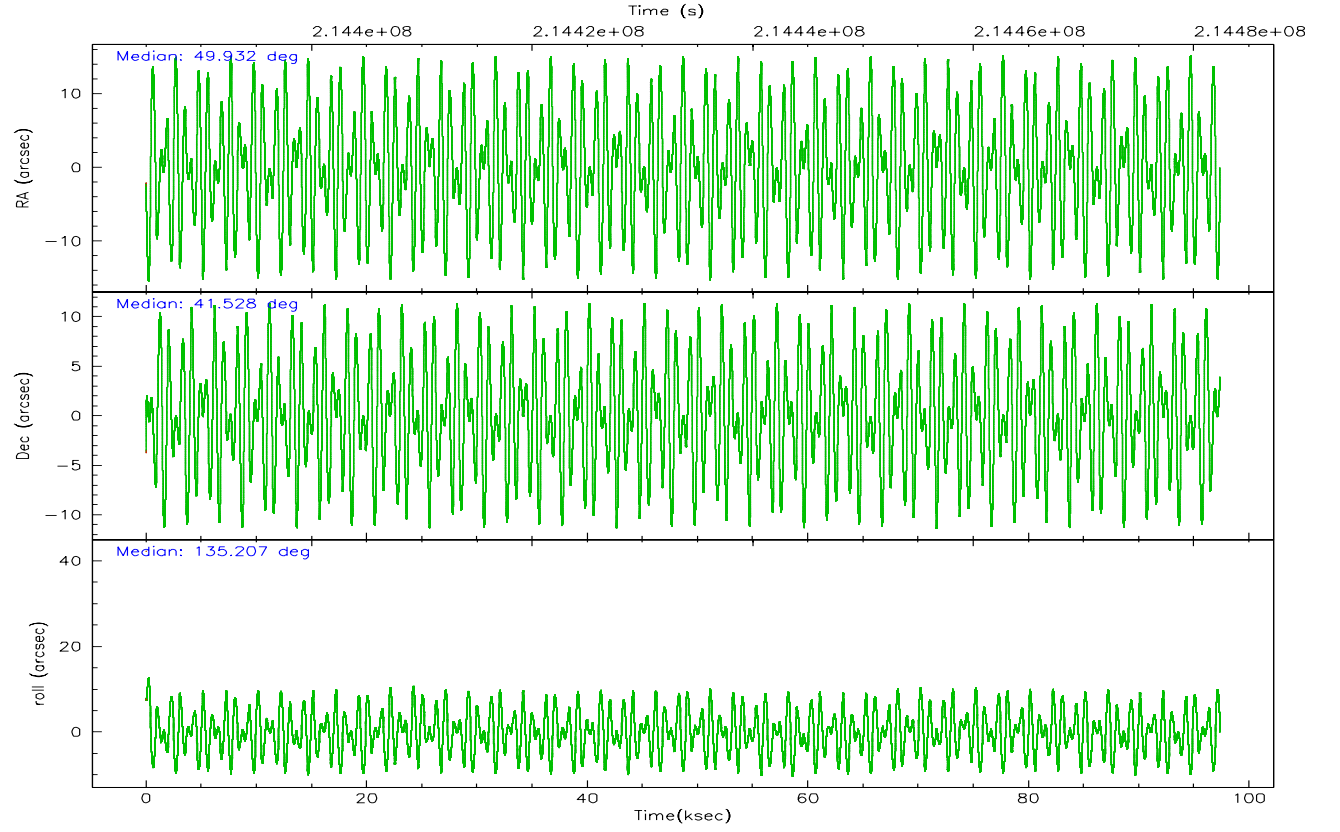
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7
grade 0 events	177287	308637	63428	710143	1871800
	20%	30%	6%	46%	23%
grade 1 events	1220	1836	301	3265	4729
	0%	0%	0%	0%	0%
grade 2 events	33473	48879	192543	103181	2176043
	3%	4%	18%	6%	26%
grade 3 events	13056	18438	19747	34161	810533
	1%	1%	1%	2%	10%
grade 4 events	12965	18161	19194	34043	794308
	1%	1%	1%	2%	9%
grade 5 events	21243	25898	47075	28434	110753
	2%	2%	4%	1%	1%
grade 6 events	15944	20827	263279	39288	1898816
	1%	2%	25%	2%	23%
grade 7 events	600049	556168	419765	587676	428617
	68%	55%	40%	38%	5%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-23567	ACIS-23567	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	NONE	NONE
Pointing RA	49.966822	49.93153880221297	Alternating exposures requested	N	N
Pointing Dec	41.521904	41.52848770790531	Primary exposure time	0.000000	3.1
Pointing Roll	135.038708	135.2187235492205			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1425803651734			
SIM translation stage offset (mm)	0	0.01005778216563158			
Observation start time	214385187.184000	214384162.56822			
Observation start date	2004-10-17T07:25:23	2004-10-17T07:09:22			
Observation end time	214482397.184000	214482536.43512			
Observation end date	2004-10-18T10:25:33	2004-10-18T10:28:56			
Read mode	TIMED	TIMED			

2.3 Aspect



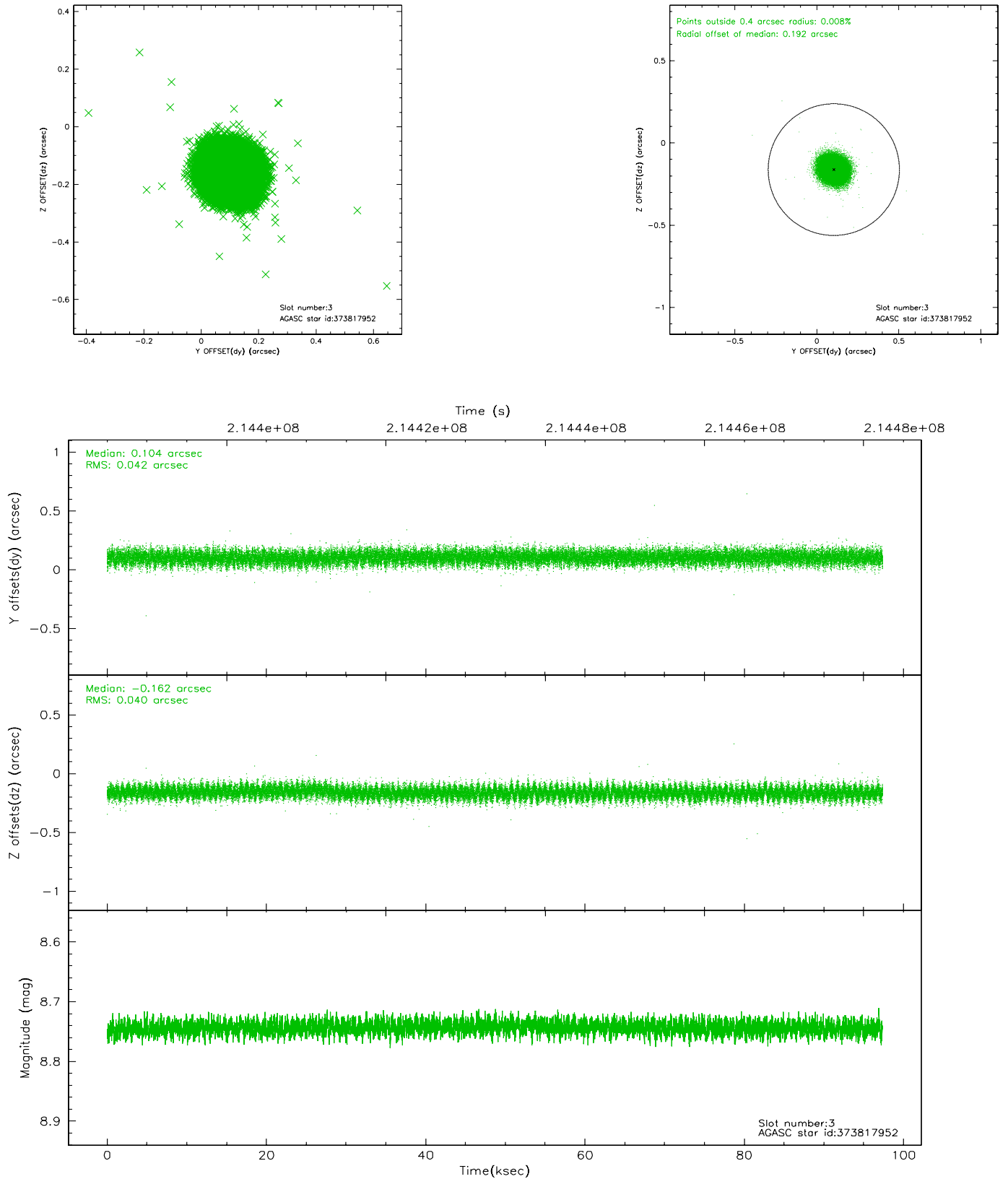


Slot Statistics

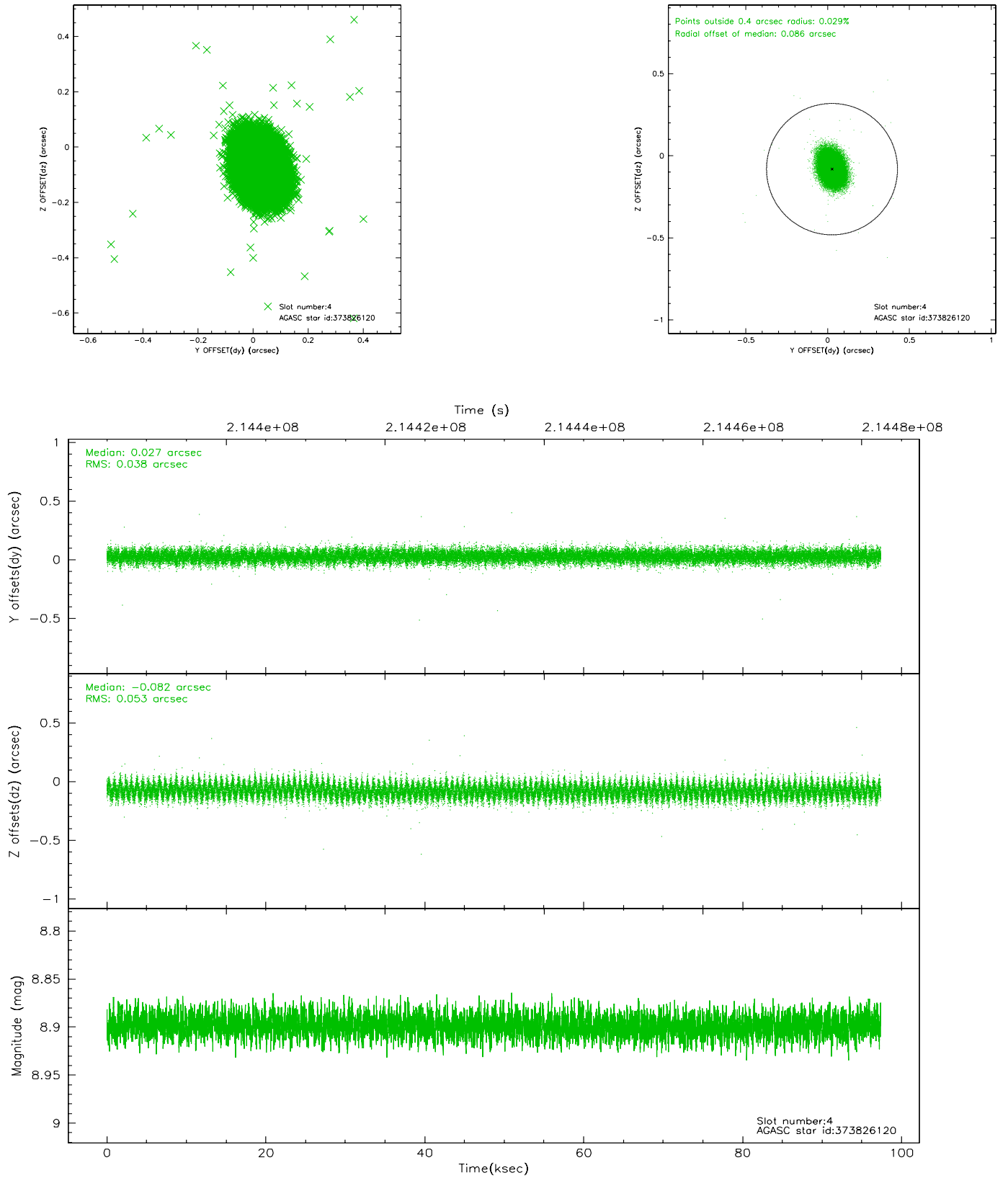
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	23755	-0.034	-0.019	0.011	0.020	0.000000	0.000000	-759.24	-1730.17
1	FID	ACIS-S-4	7.21	23753	0.037	0.021	0.011	0.022	0.000000	0.000000	2154.14	178.45
2	FID	ACIS-S-5	7.23	23755	-0.036	0.007	0.010	0.019	0.000000	0.000000	-1812.20	172.00
3	GUIDE	373817952	8.74	47488	0.104	-0.162	0.062	0.099	49.913424	40.978510	-1279.67	1486.56
4	GUIDE	373826120	8.90	47486	0.027	-0.082	0.068	0.113	49.738165	41.186341	-414.75	1292.05
5	GUIDE	374352808	8.77	47491	-0.147	0.126	0.072	0.117	49.969955	42.208621	1741.38	-1754.49
6	GUIDE	376057824	8.35	47493	0.018	0.136	0.070	0.113	50.665569	41.926280	-289.74	-2357.60
7	GUIDE	376070040	8.41	47500	0.003	-0.016	0.071	0.114	50.072031	41.897206	755.71	-1155.03

2.4 Star Slots

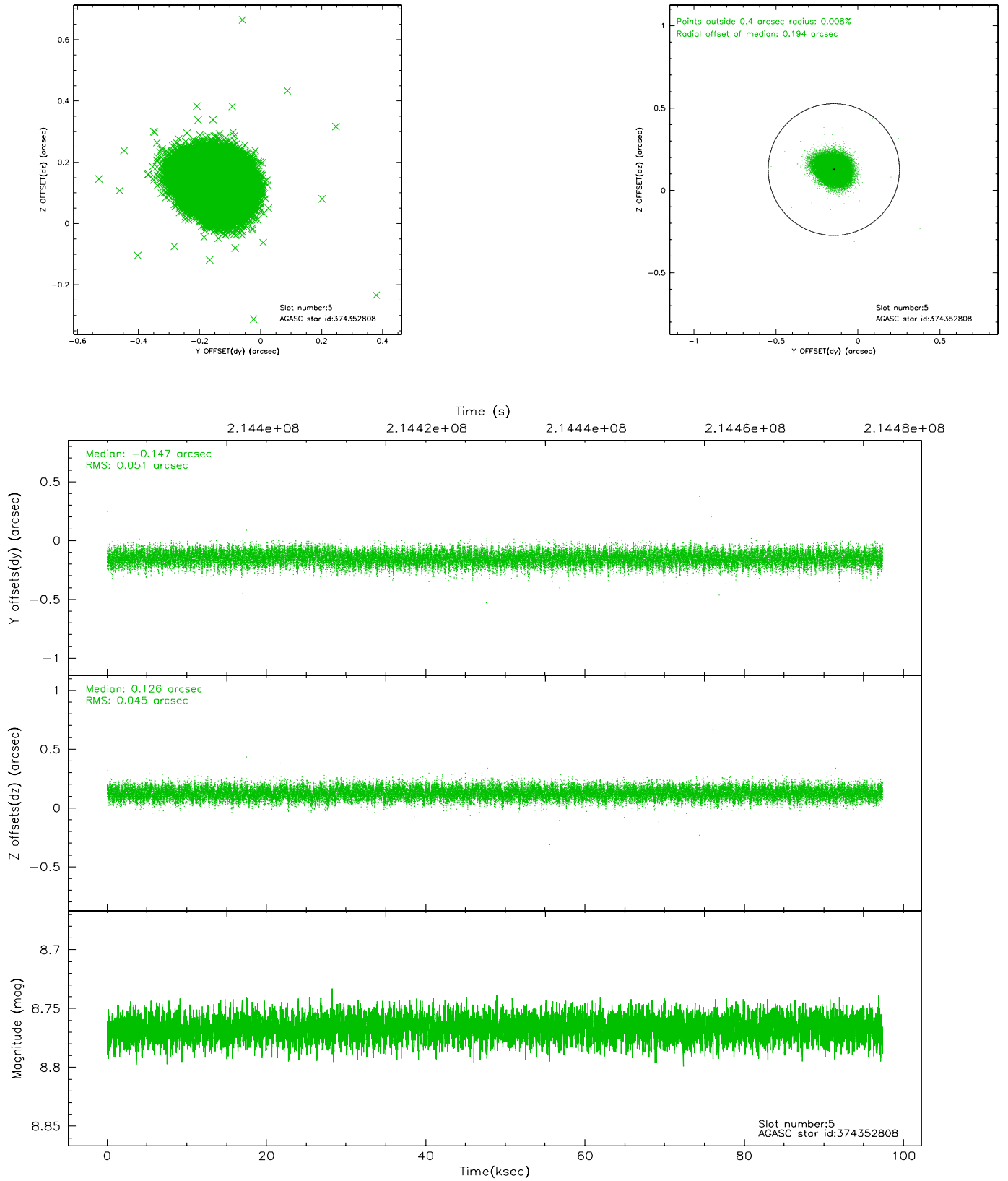
2.4.1 Slot 3



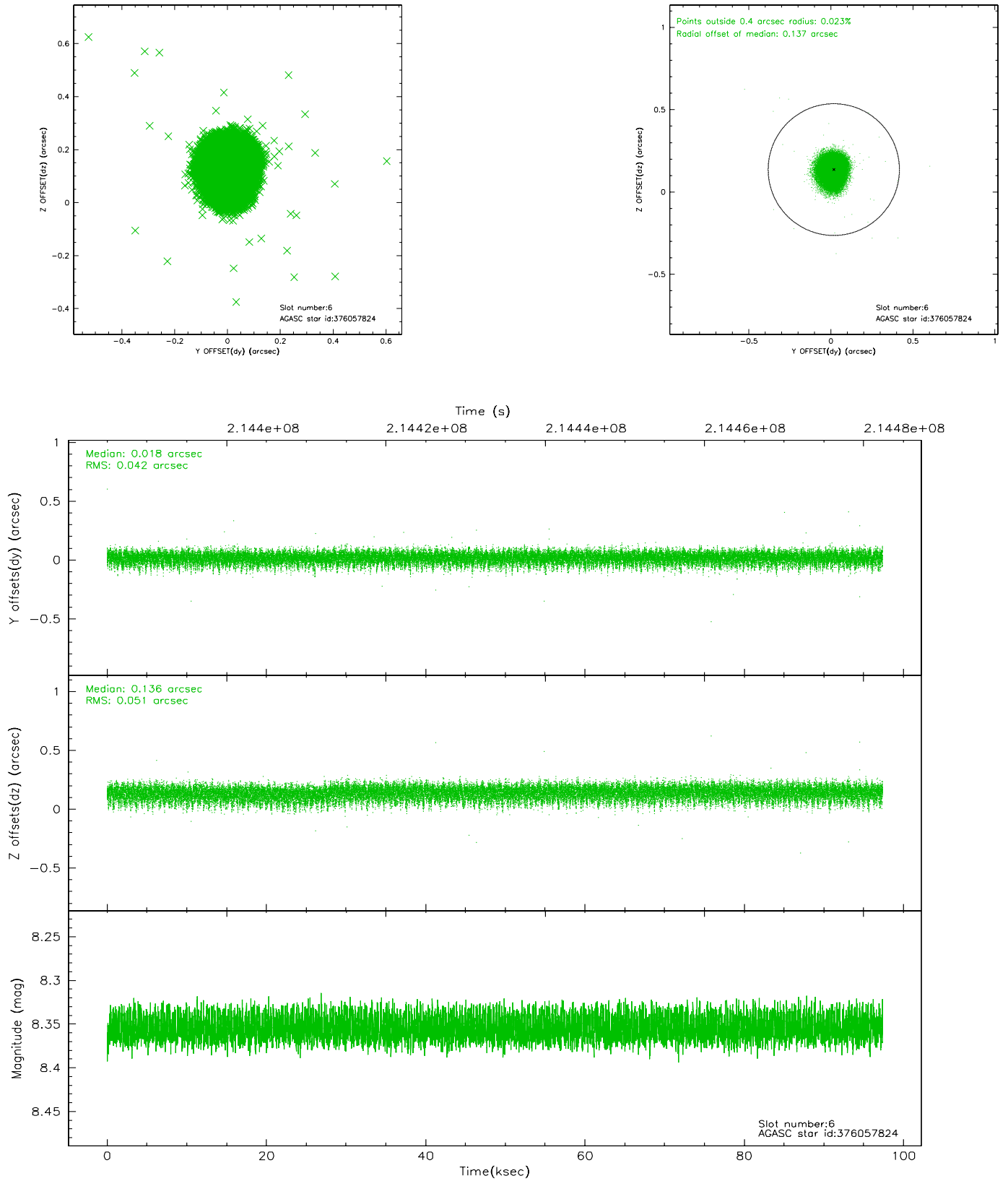
2.4.2 Slot 4



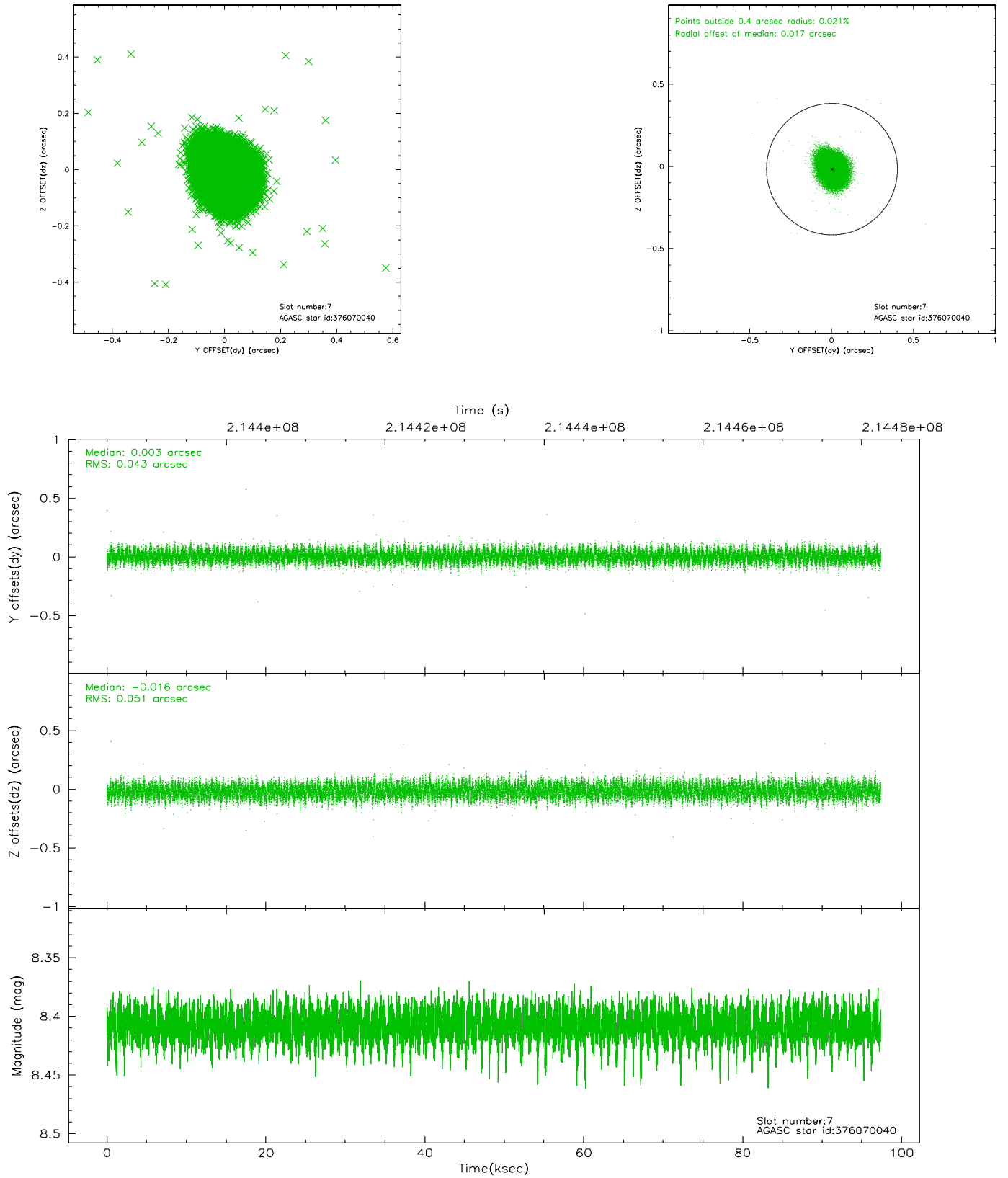
2.4.3 Slot 5



2.4.4 Slot 6

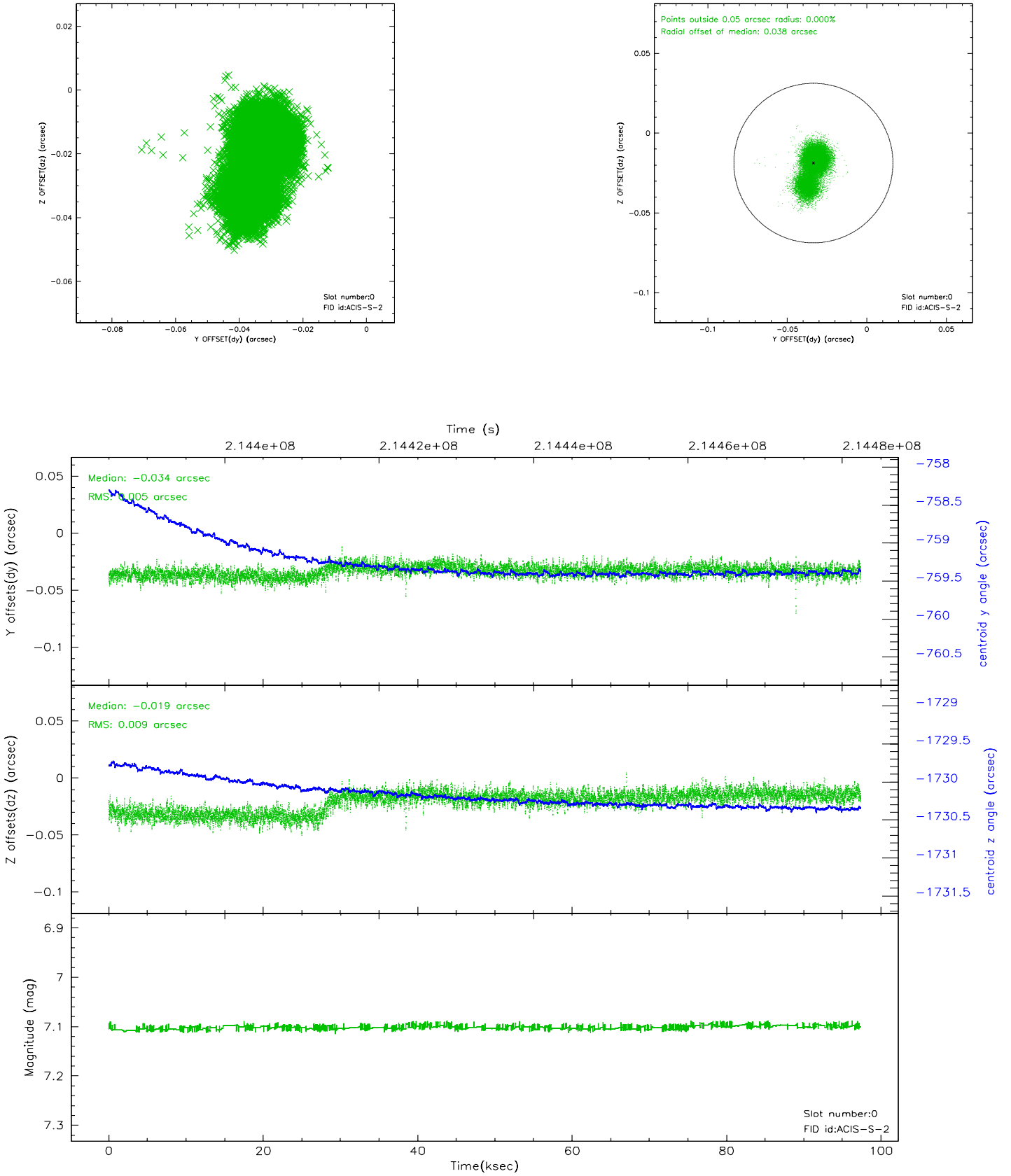


2.4.5 Slot 7

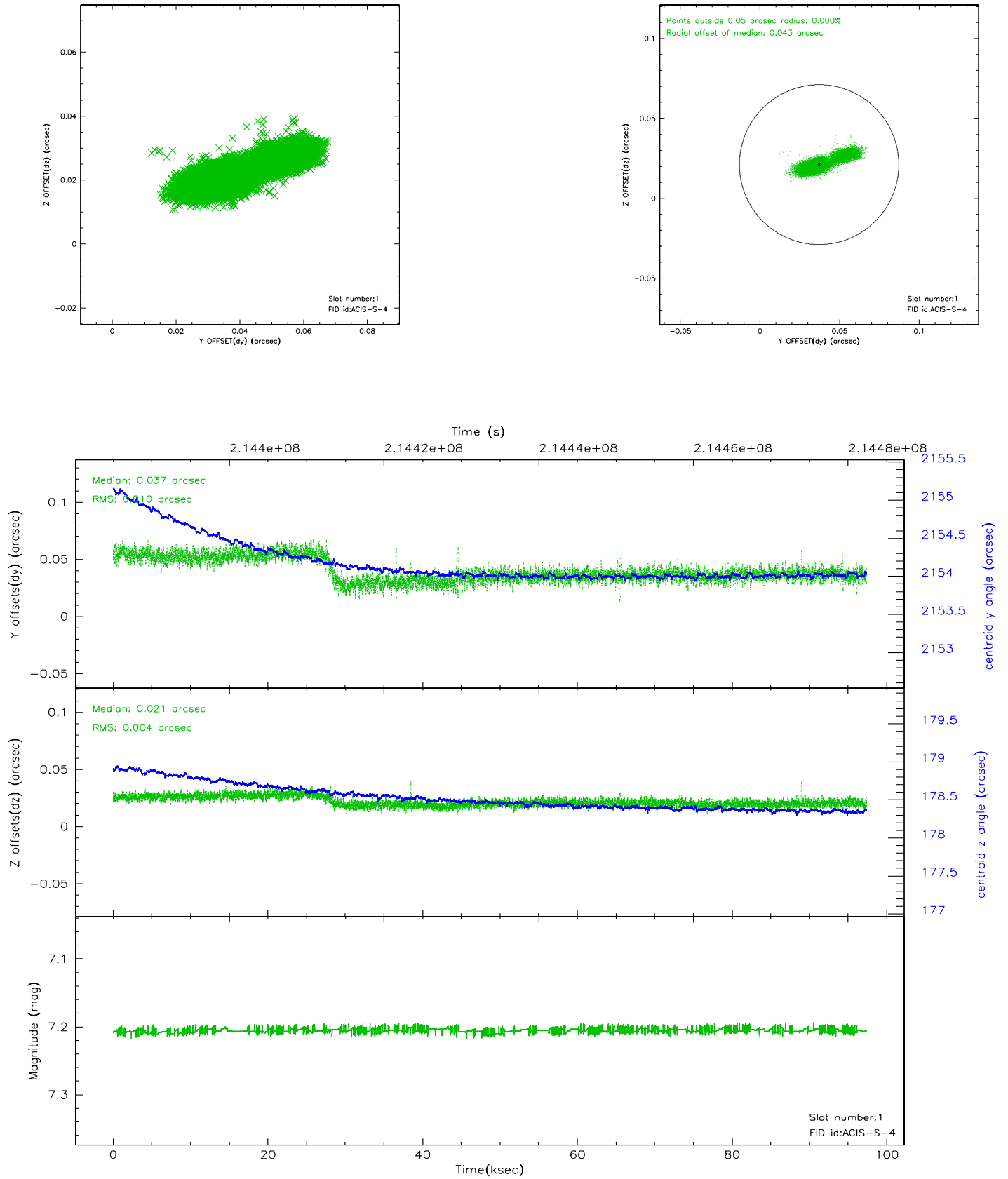


2.5 FID Slots

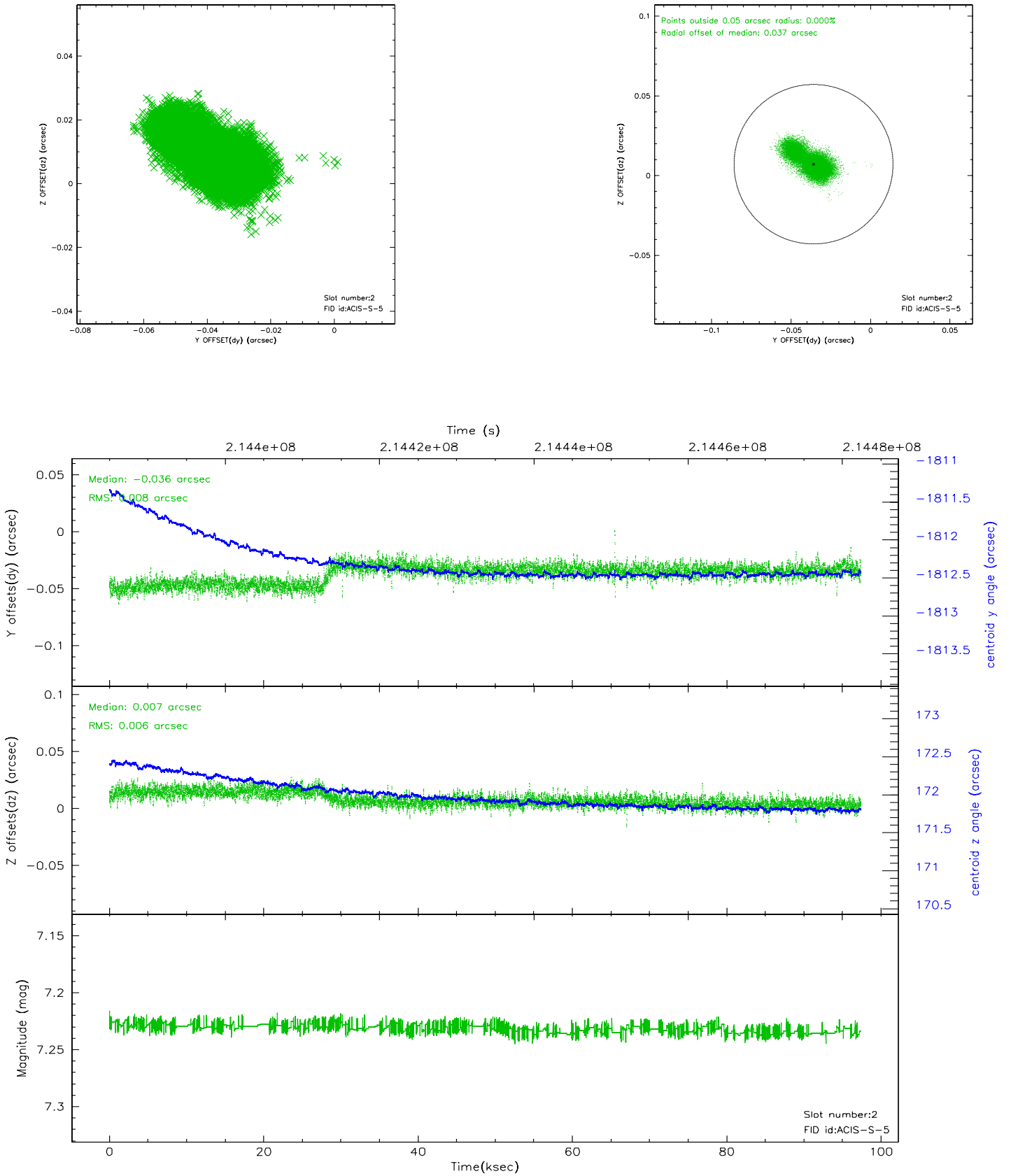
2.5.1 Slot 0



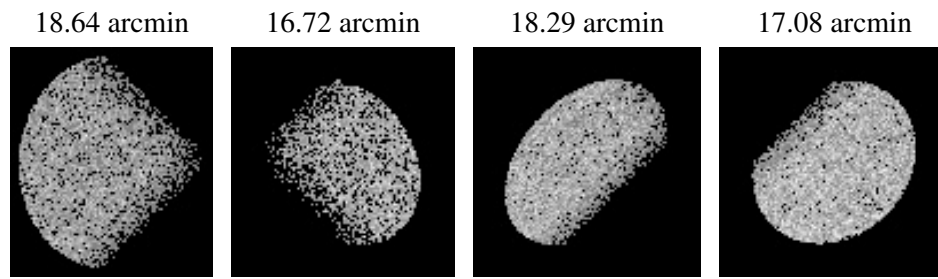
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.16
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	97.392

A.2 Comments