

V&V Reference Report

L2 ASCDS Version : 7.6.7.2

Observation 4725 - L2 Version 001
Chandra X-Ray Center

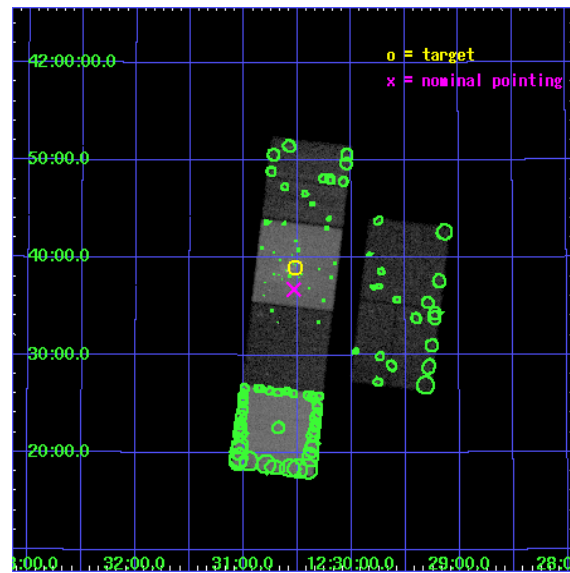
L2 Processing Date : Apr 26 2006

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

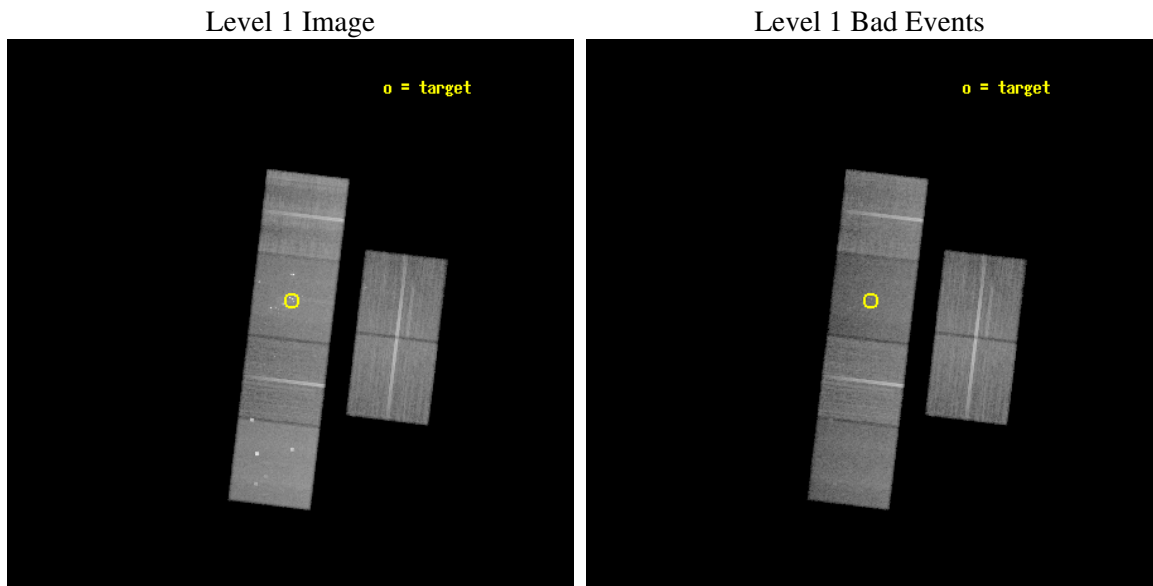
seq_num	600380
obs_id	4725
title	The ultraluminous X-ray sources of NGC 4485/4490
observer	Dr Timothy Roberts
object	NGC 4485/4490
dtcycle	0
cycle	P
ra_targ	187.63
dec_targ	41.65
ra_nom	187.63359554174
dec_nom	41.612704758452
roll_nom	276.83100811957
revision	2
ontime	38959.999854863
livetime	38466.664877805
ontime2	38953.517934293
ontime3	38953.51800403
ontime5	38959.999854863
ontime6	38956.758894593
ontime7	38959.999854863
ontime8	38956.758894593
l2events	334004



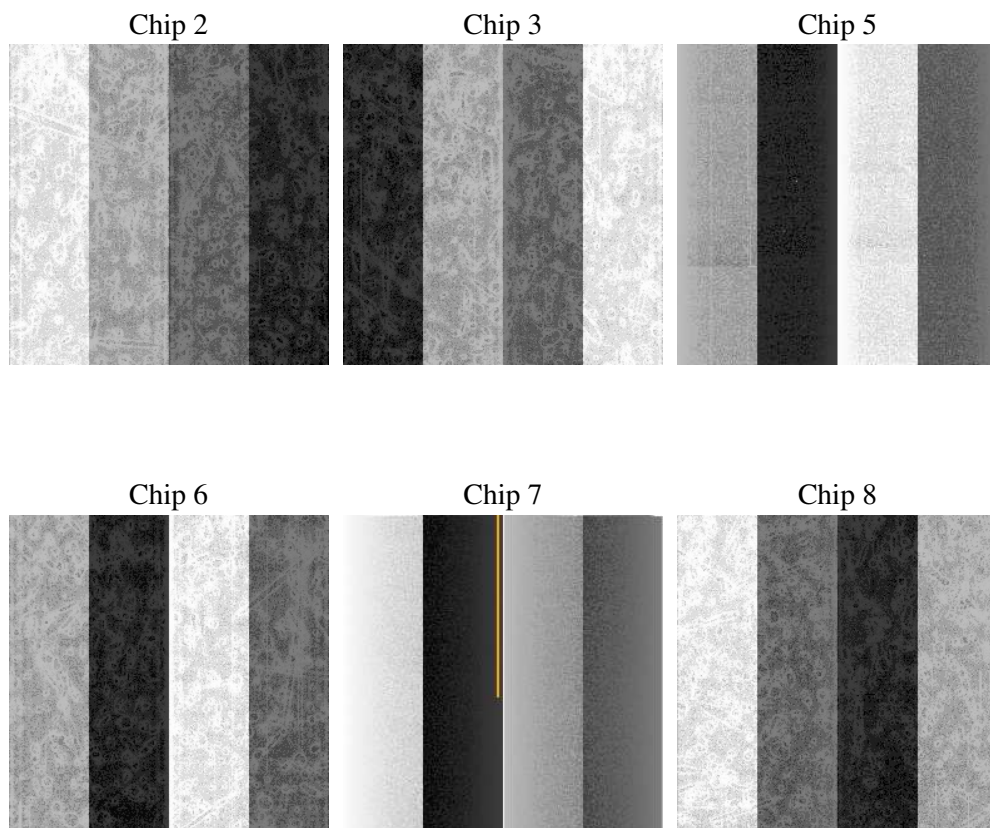
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	3
ascdsver	7.6.7.2
caldsver	3.2.1
date	2006-04-26T10:45:04
revision	2

sched_exp_time	39000.000000
ontime	38963.293542504
ontime2	38956.811592042
ontime3	38960.052681863
ontime5	38963.293512613
ontime6	38960.052552342
ontime7	38963.293542504
ontime8	38963.293572426
l1events	1548739

2.1.4 Events

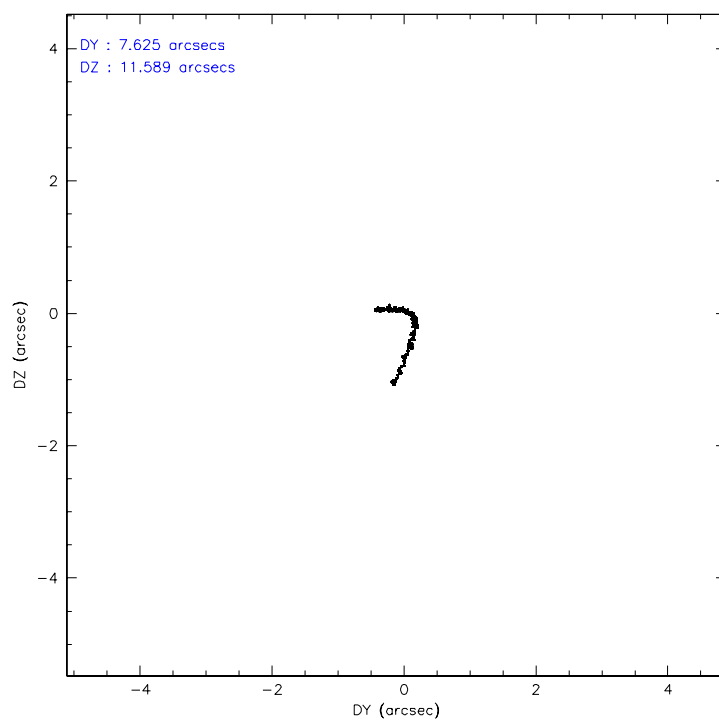
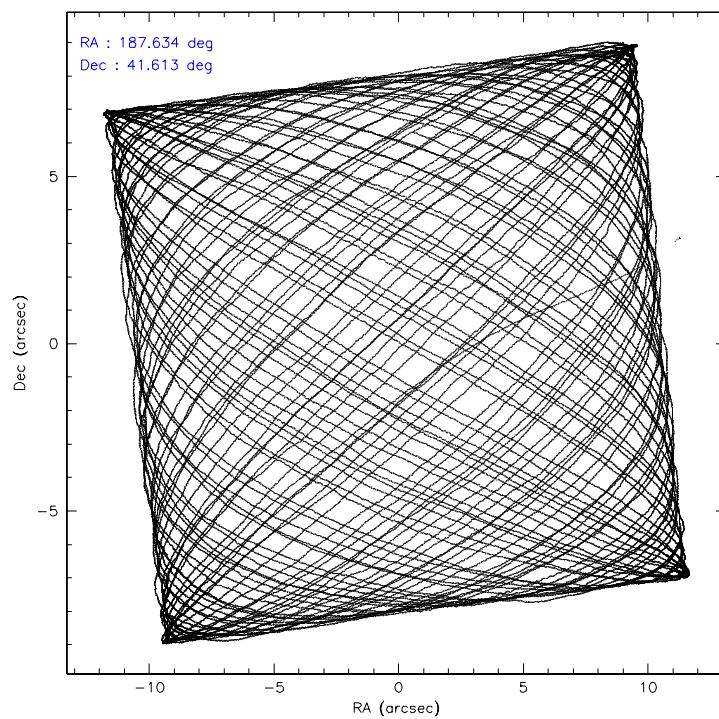
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	238176	216464	306996	228344	262650	296109
rejected events	215331	195651	157565	204780	143772	218577
rejected %	90%	90%	51%	89%	54%	73%

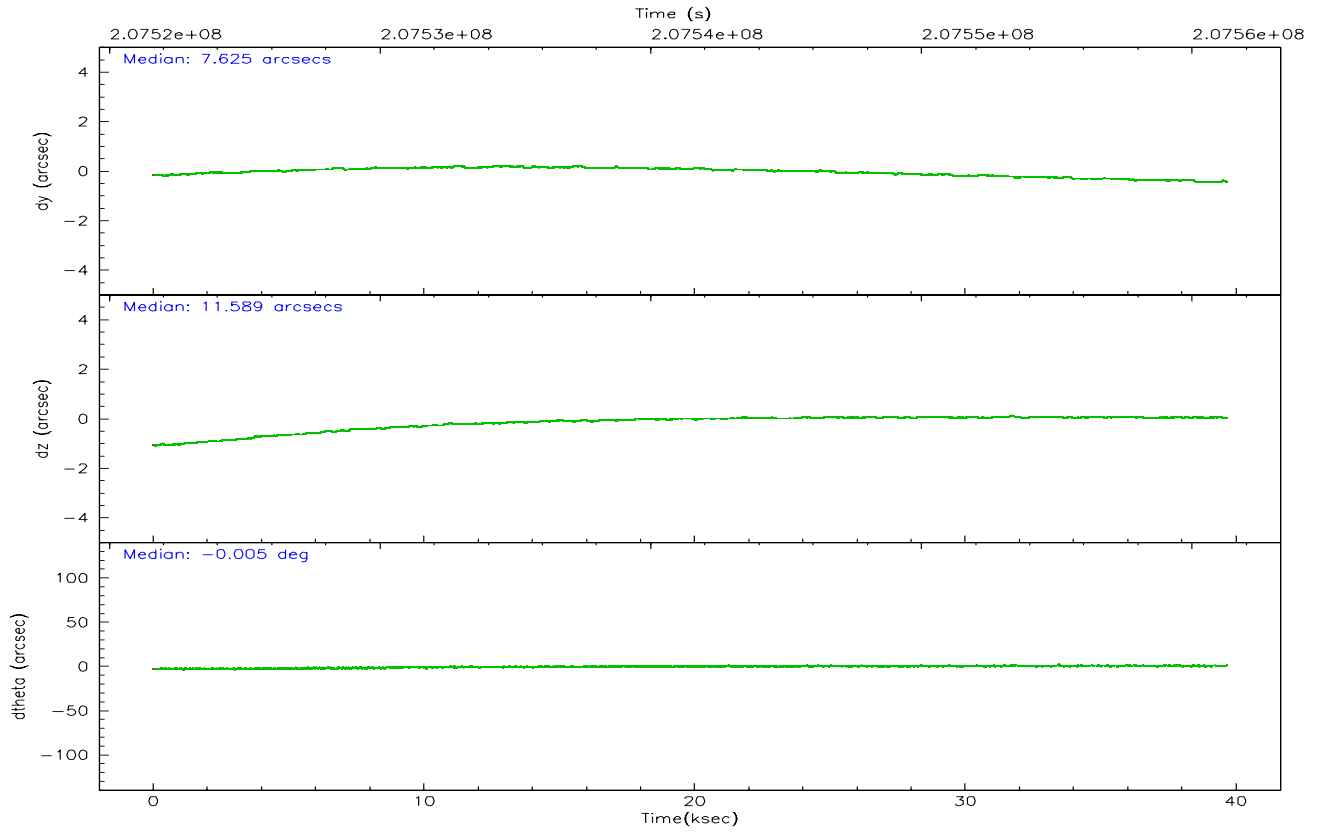
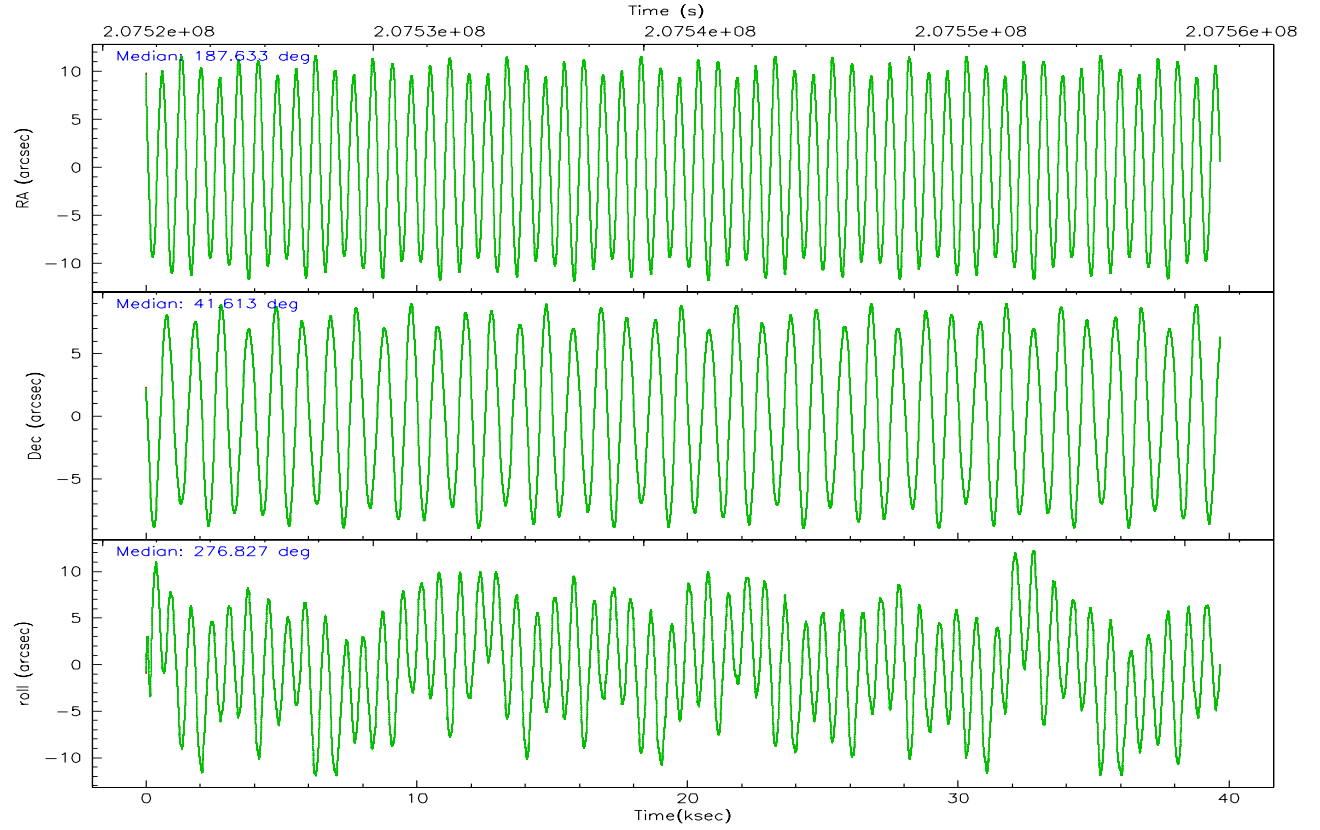
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	8260	7371	15115	8440	9931	23967
	3%	3%	4%	3%	3%	8%
grade 1 events	113	118	184	104	150	251
	0%	0%	0%	0%	0%	0%
grade 2 events	5420	4482	44987	5029	29918	15906
	2%	2%	14%	2%	11%	5%
grade 3 events	2481	2466	4046	2618	7842	9583
	1%	1%	1%	1%	2%	3%
grade 4 events	2517	2372	3608	2504	7378	8786
	1%	1%	1%	1%	2%	2%
grade 5 events	7575	8535	16055	8804	18969	12861
	3%	3%	5%	3%	7%	4%
grade 6 events	4168	4124	81688	4974	63819	19336
	1%	1%	26%	2%	24%	6%
grade 7 events	207642	186996	141313	195871	124643	205419
	87%	86%	46%	85%	47%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	187.611364	187.6335955417391	Alternating exposures requested	N	N
Pointing Dec	41.634267	41.61270475845208	Primary exposure time	0.000000	3.2
Pointing Roll	276.689153	276.8310081195749			
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	207522295.184000	207521083.08716			
Observation start date	2004-07-29T21:03:51	2004-07-29T20:44:43			
Observation end time	207561295.184000	207561576.73896			
Observation end date	2004-07-30T07:53:51	2004-07-30T07:59:36			
Read mode	TIMED	TIMED			

2.3 Aspect



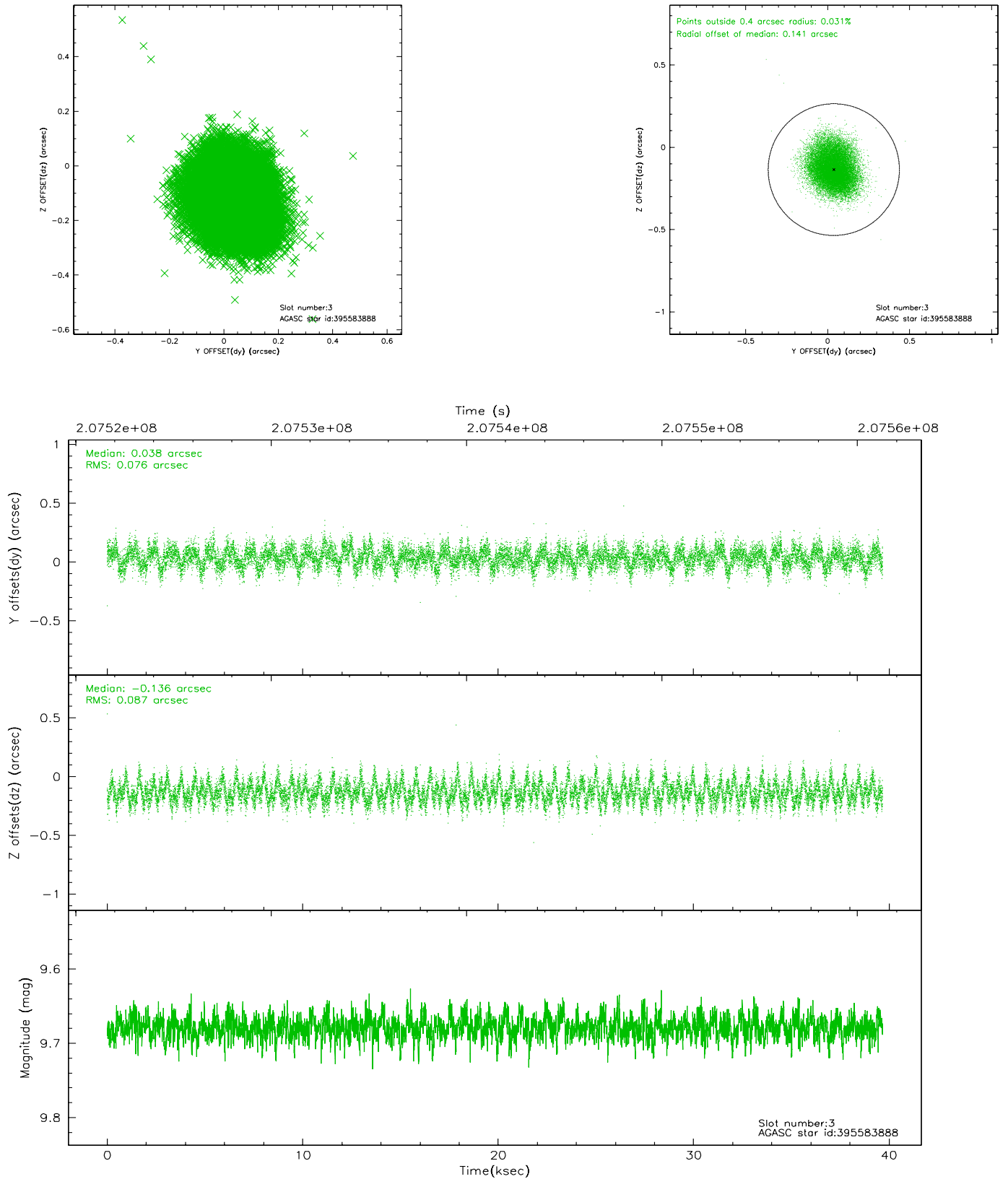


Slot Statistics

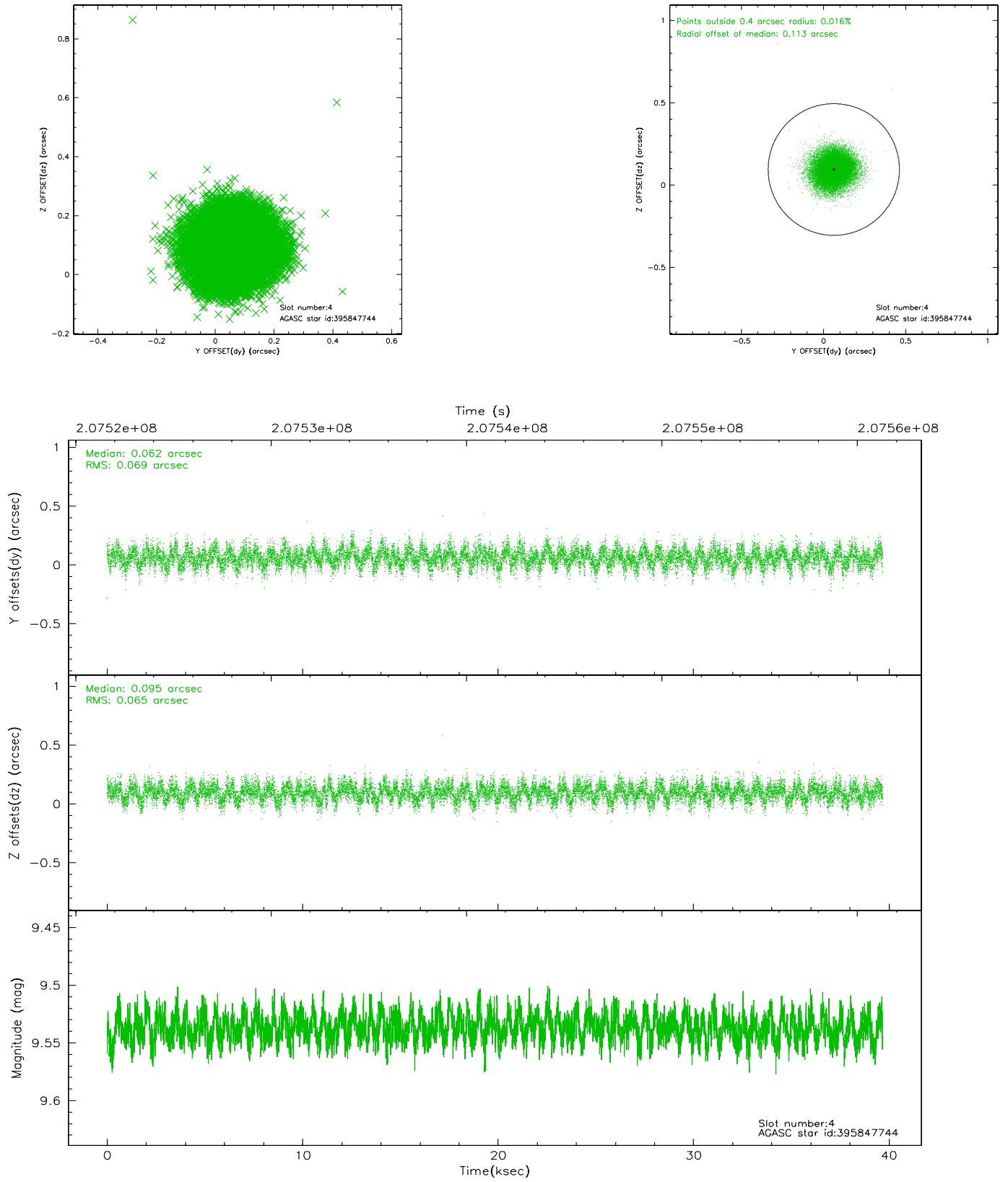
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	9680	-0.013	0.011	0.010	0.018	0.000000	0.000000	-760.34	-1732.70
1	FID	ACIS-S-4	7.20	9679	0.031	0.004	0.013	0.023	0.000000	0.000000	2152.94	175.79
2	FID	ACIS-S-5	7.23	9680	-0.046	-0.006	0.011	0.018	0.000000	0.000000	-1813.22	169.42
3	GUIDE	395583888	9.68	19342	0.038	-0.136	0.125	0.197	187.778753	41.111279	1922.54	231.74
4	GUIDE	395847744	9.54	19339	0.062	0.095	0.101	0.159	187.588656	41.269628	1297.13	-213.43
5	GUIDE	395851440	9.33	19346	-0.152	0.020	0.094	0.148	187.131494	42.071574	-1716.24	-1089.78
6	GUIDE	395582784	10.19	19345	0.222	-0.103	0.136	0.231	186.865042	40.916080	2323.42	-2316.50
7	GUIDE	395841840	10.25	19338	-0.168	0.115	0.167	0.281	188.237245	42.332306	-2307.75	1947.99

2.4 Star Slots

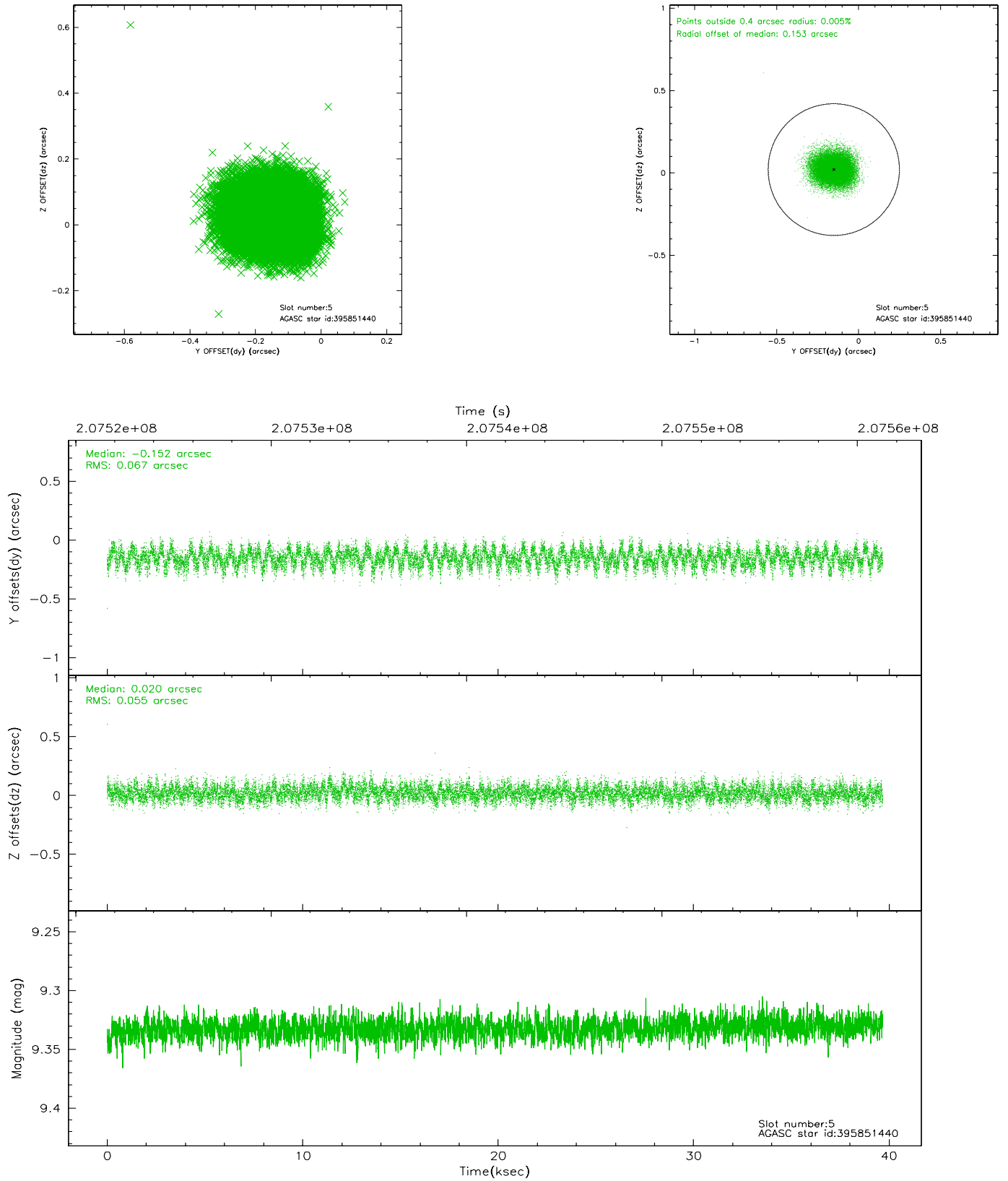
2.4.1 Slot 3



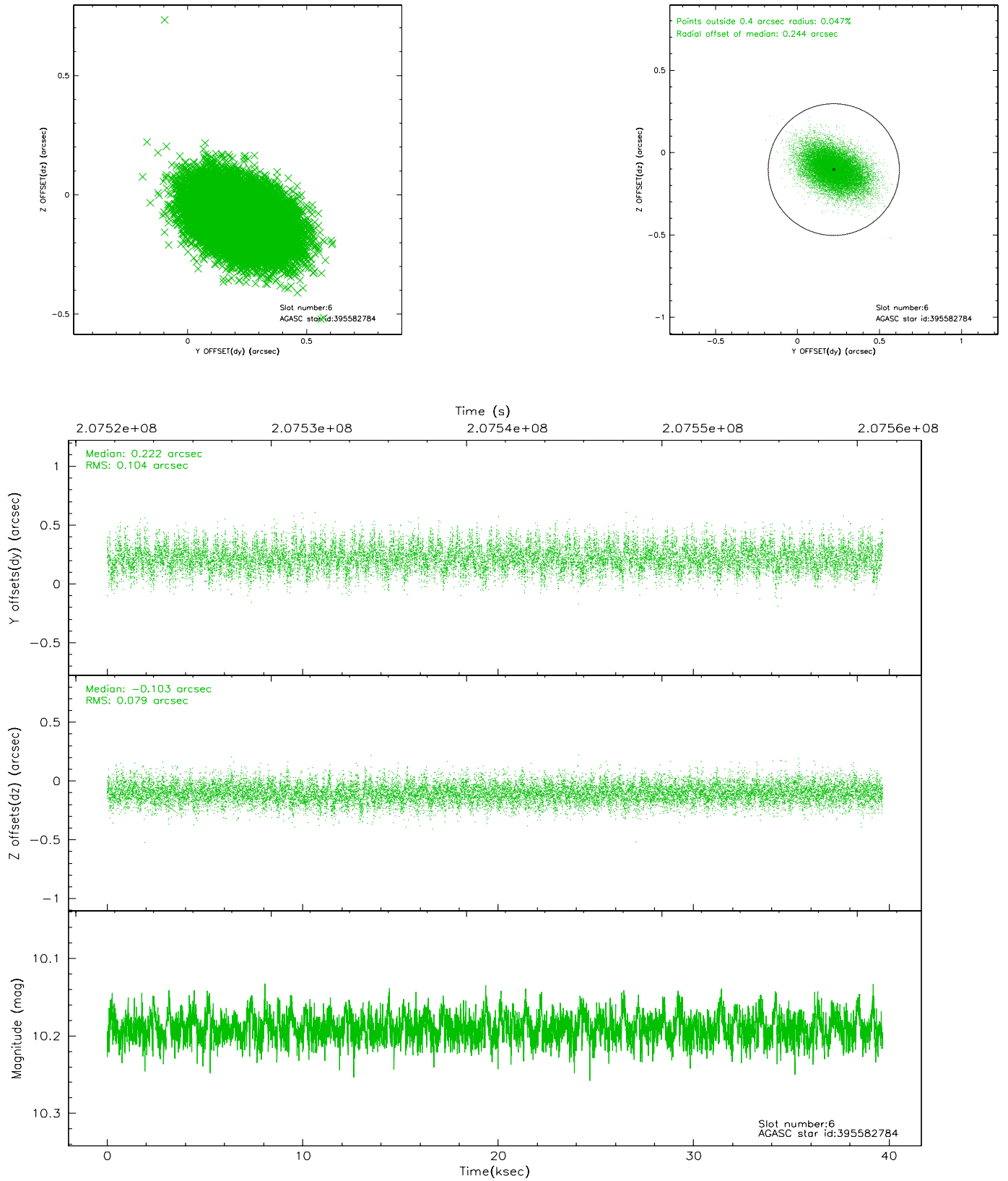
2.4.2 Slot 4



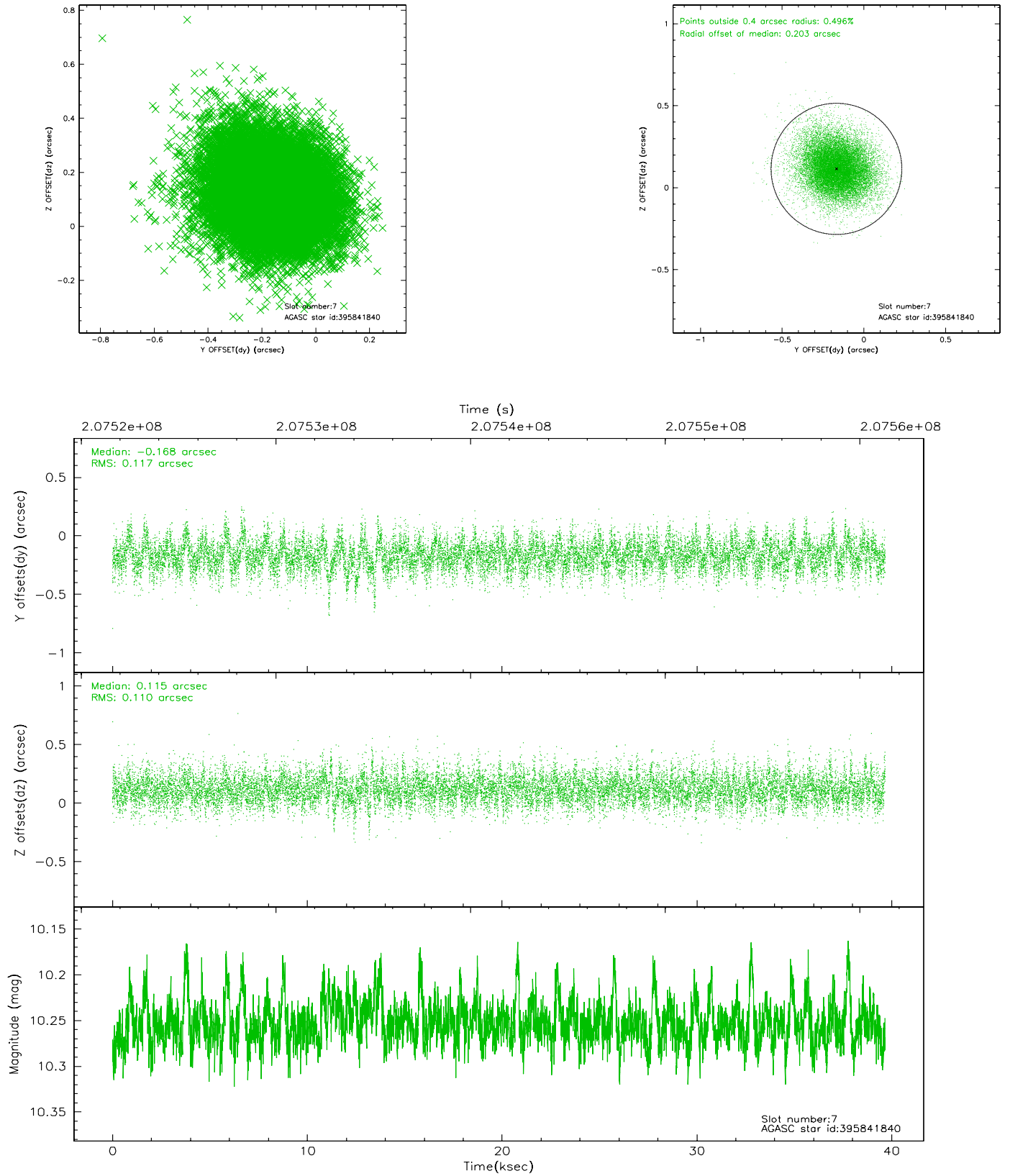
2.4.3 Slot 5



2.4.4 Slot 6

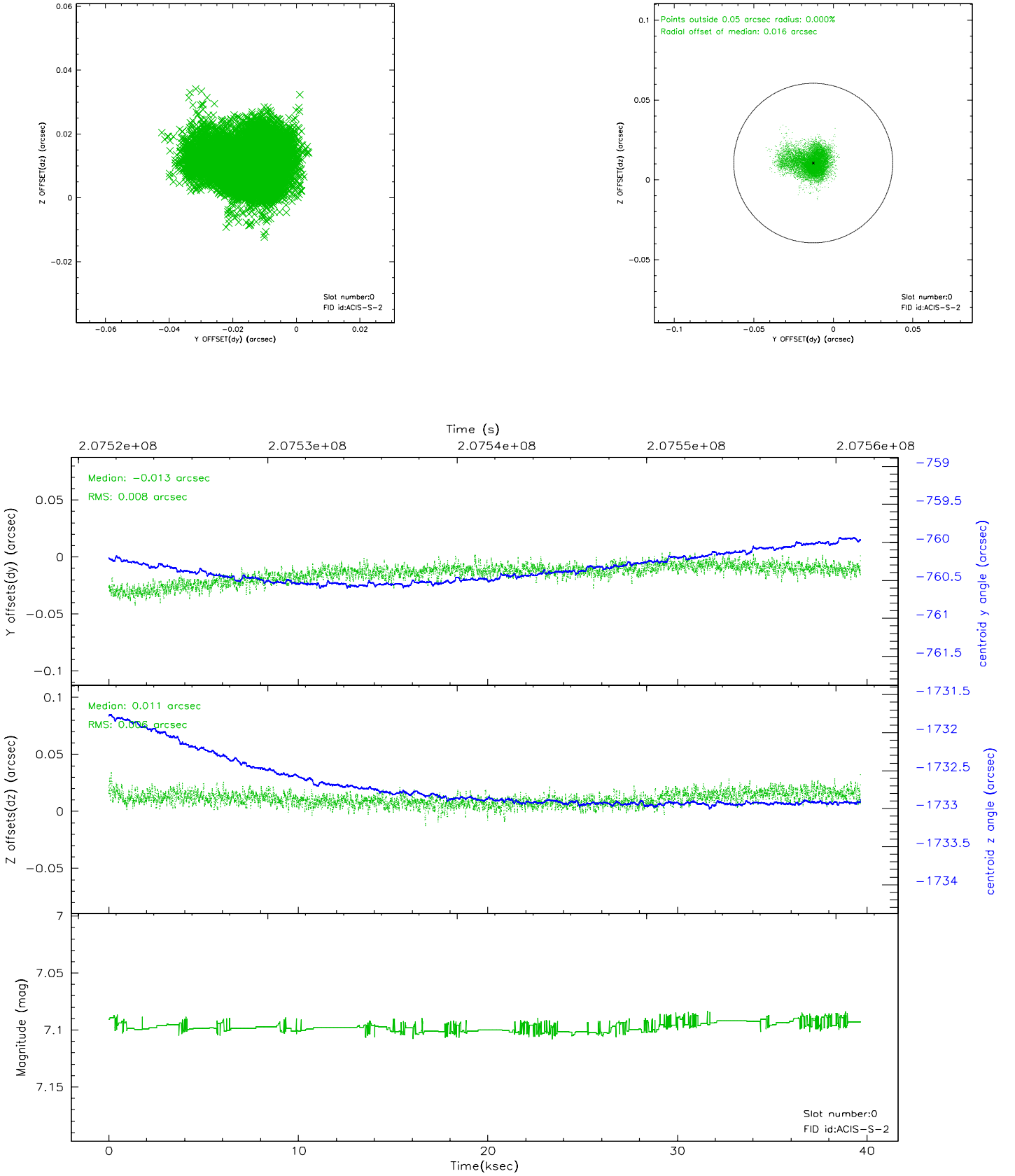


2.4.5 Slot 7

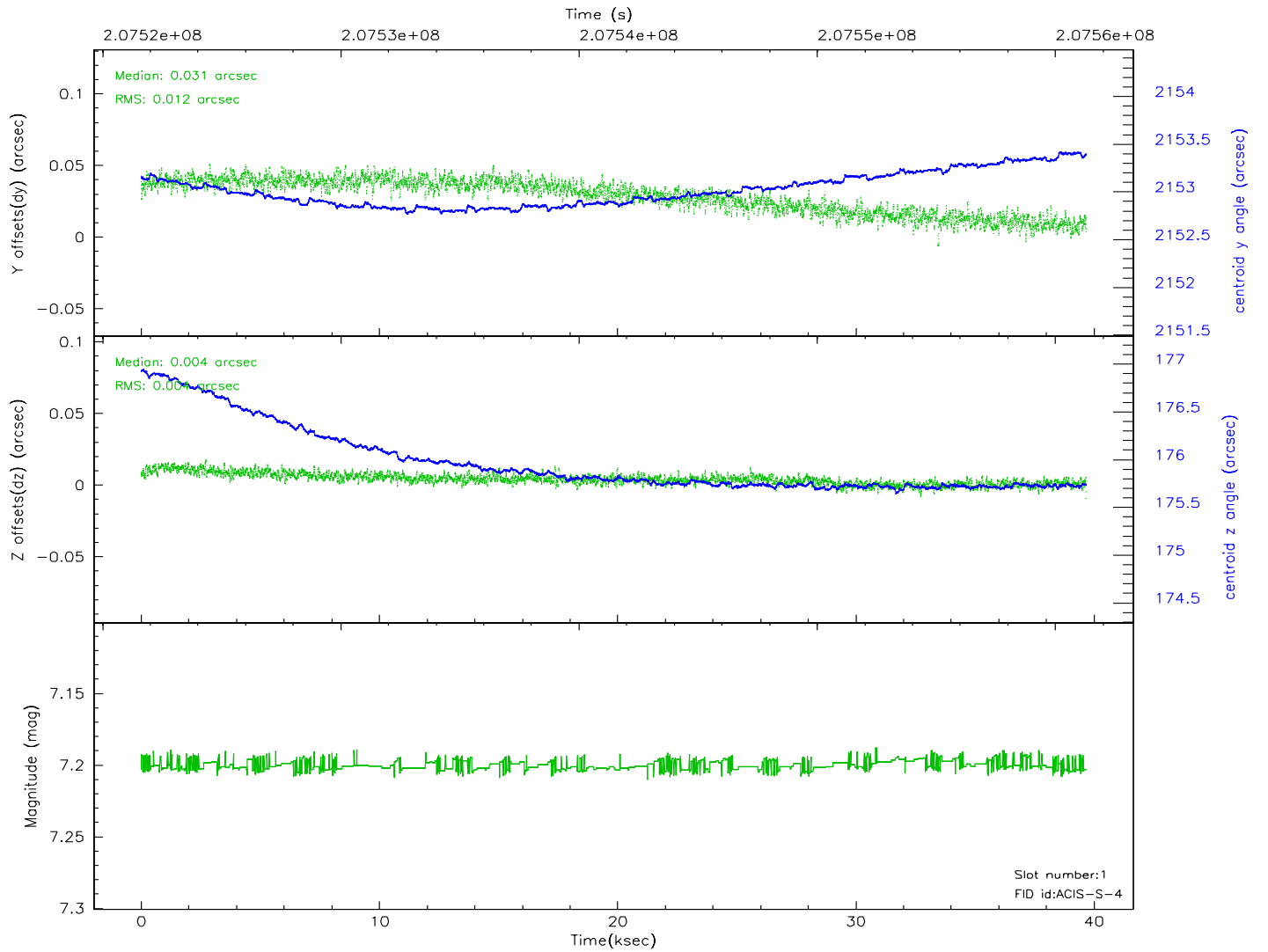
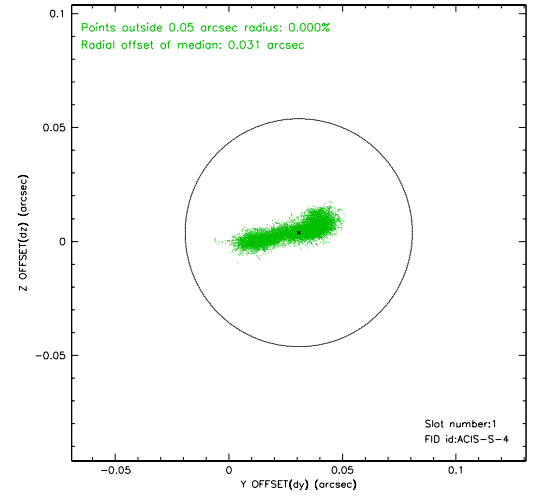
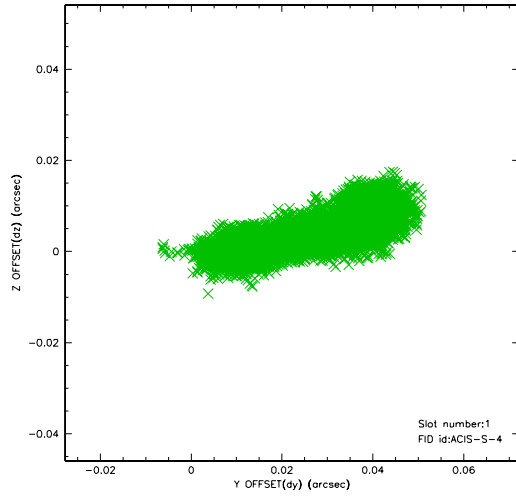


2.5 FID Slots

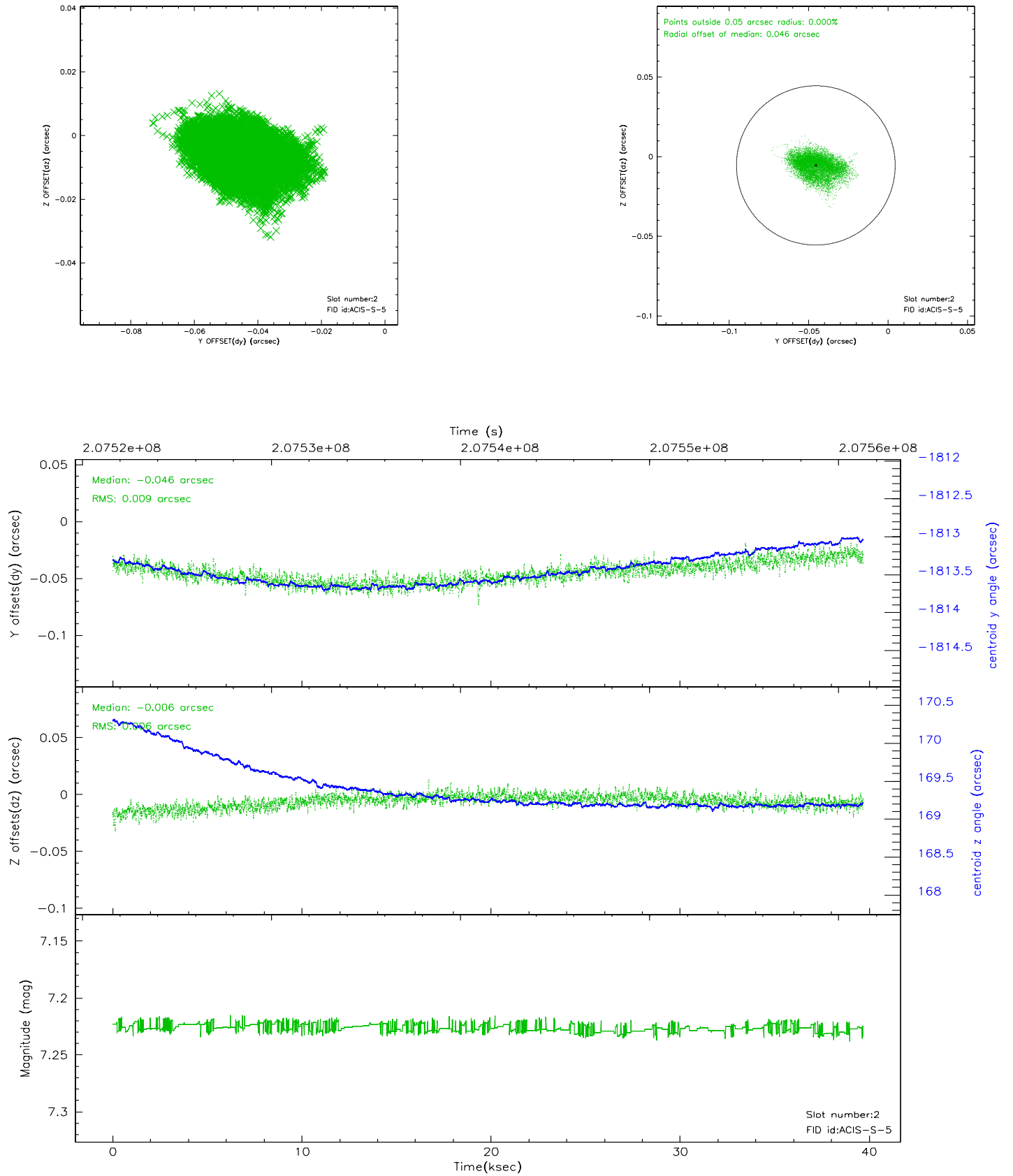
2.5.1 Slot 0



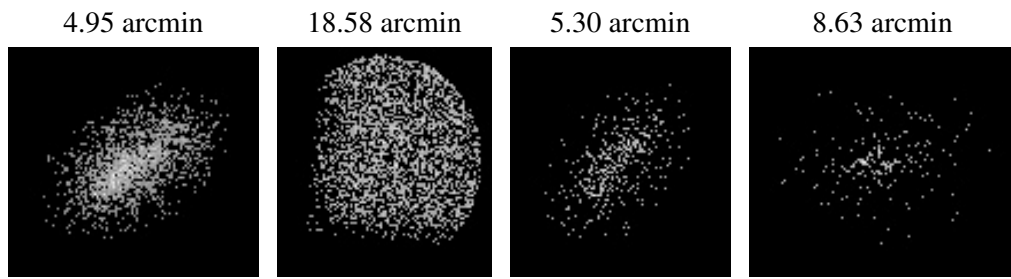
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	38.959

A.2 Comments