

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 2147 - L2 Version 001
Chandra X-Ray Center

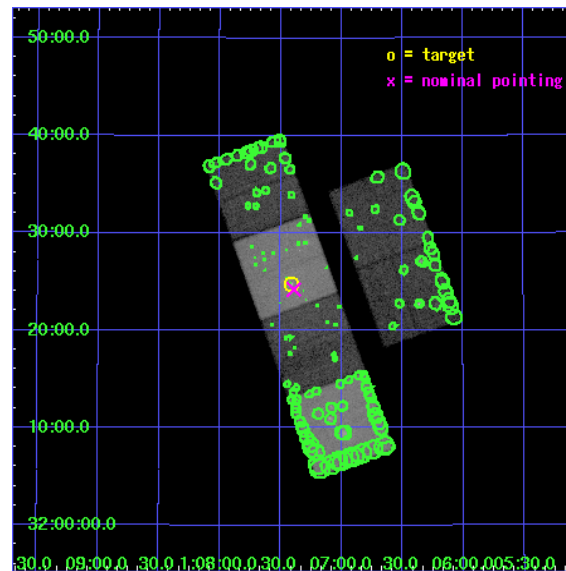
L2 Processing Date : Jun 14 2007

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

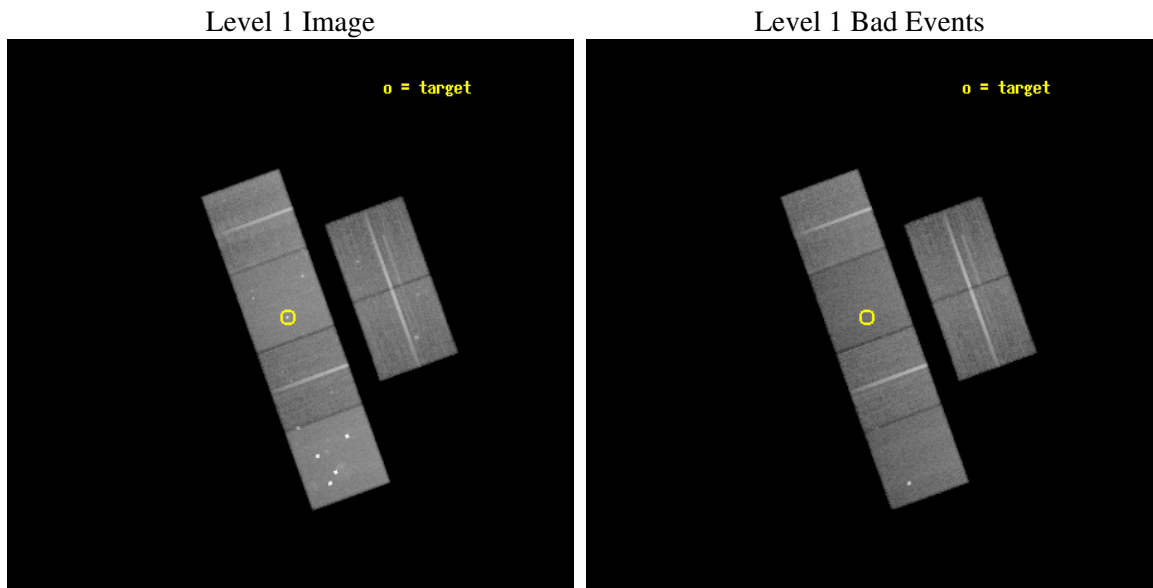
seq_num	700337
obs_id	2147
title	THE ENVIRONMENT OF THE INNER JETS IN 3C31: TESTING DECELERATION MODELS
observer	Dr Martin Hardcastle
object	3C31
dtcycle	0
cycle	P
ra_targ	16.85375
dec_targ	32.41225
ra_nom	16.847861571694
dec_nom	32.403725718423
roll_nom	250.15977625744
revision	2
ontime	44975.959071651
livetime	44406.446396615
ontime2	44979.20004189
ontime3	44975.959061652
ontime5	44979.20004189
ontime6	44975.959071636
ontime7	44975.959071651
ontime8	44979.20004189
l2events	455807



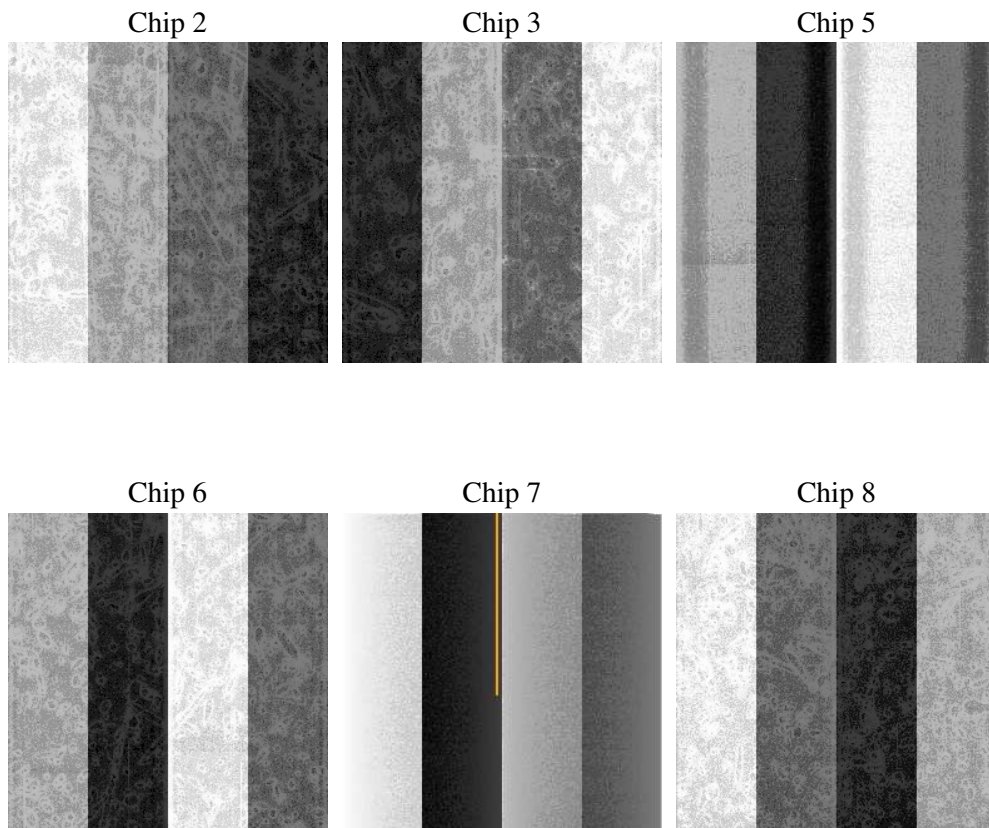
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-06-14T14:27:50
revision	2

sched_exp_time	45000.000000
ontime	44975.959071651
ontime2	44979.20004189
ontime3	44975.959061652
ontime5	44979.20004189
ontime6	44975.959071636
ontime7	44975.959071651
ontime8	44979.20004189
l1events	1934751

2.1.4 Events

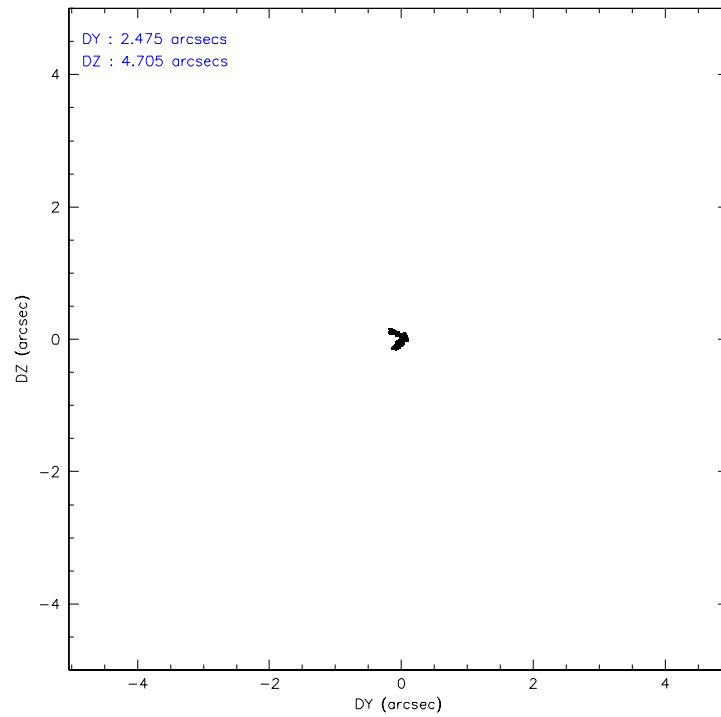
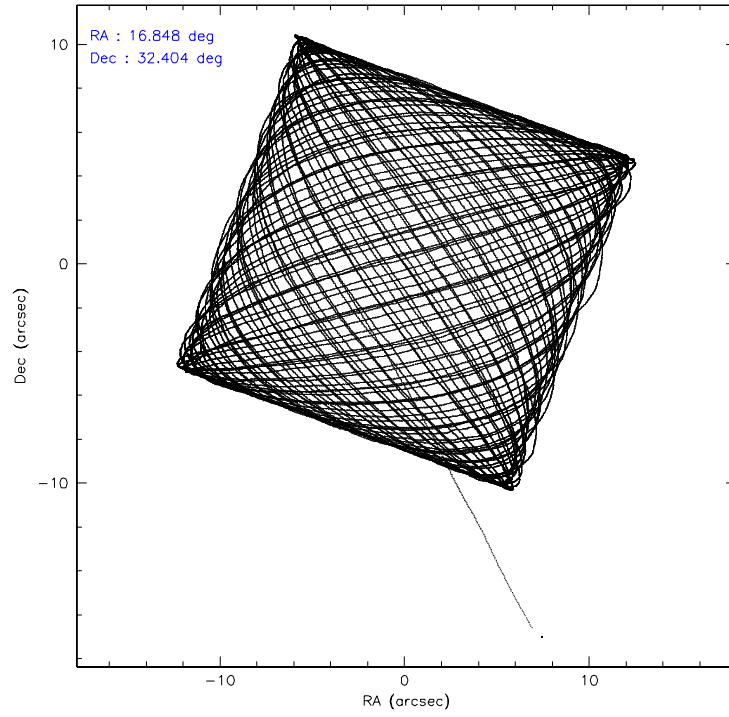
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	278082	260738	414655	280534	358553	342189
rejected events	244343	228094	200603	239881	193682	272615
rejected %	87%	87%	48%	85%	54%	79%

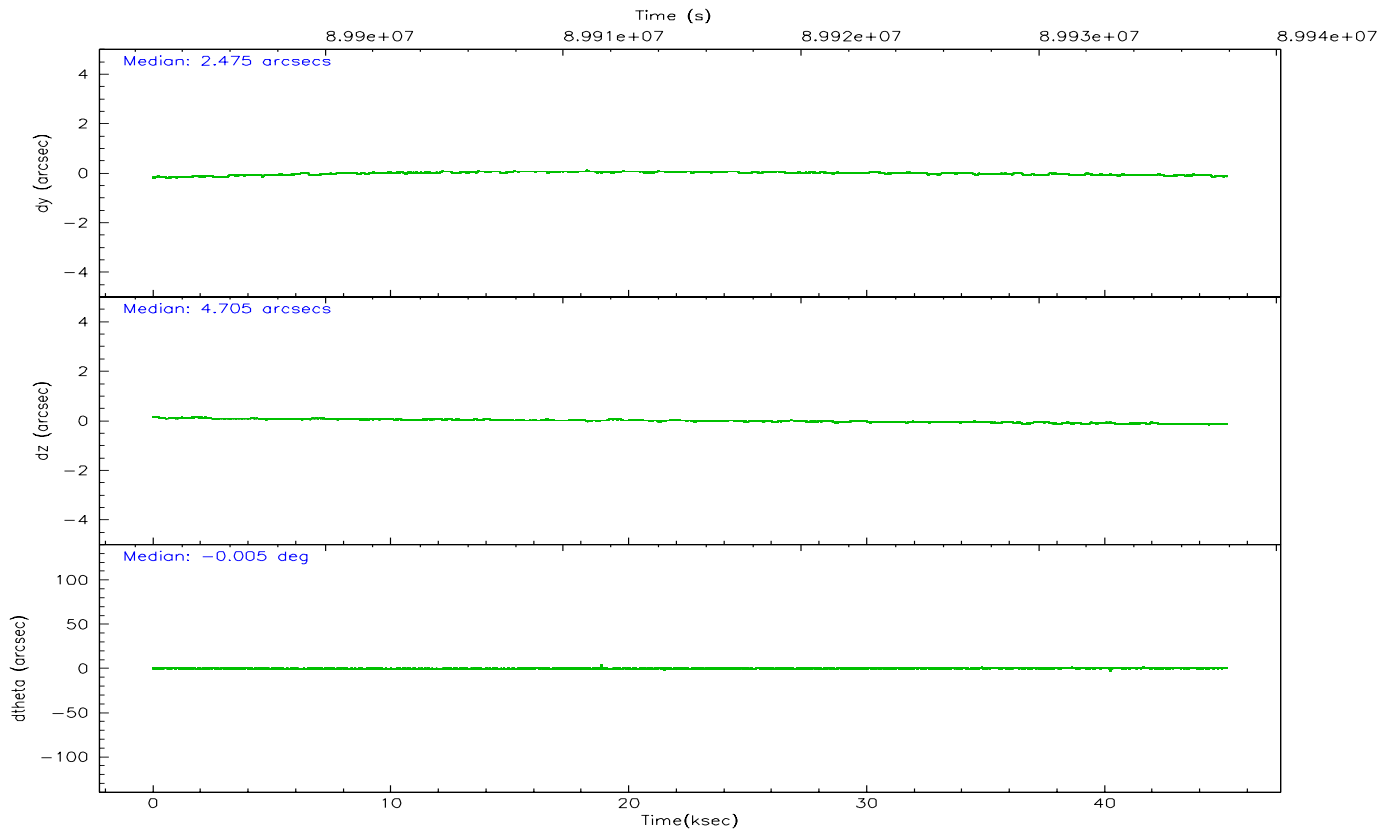
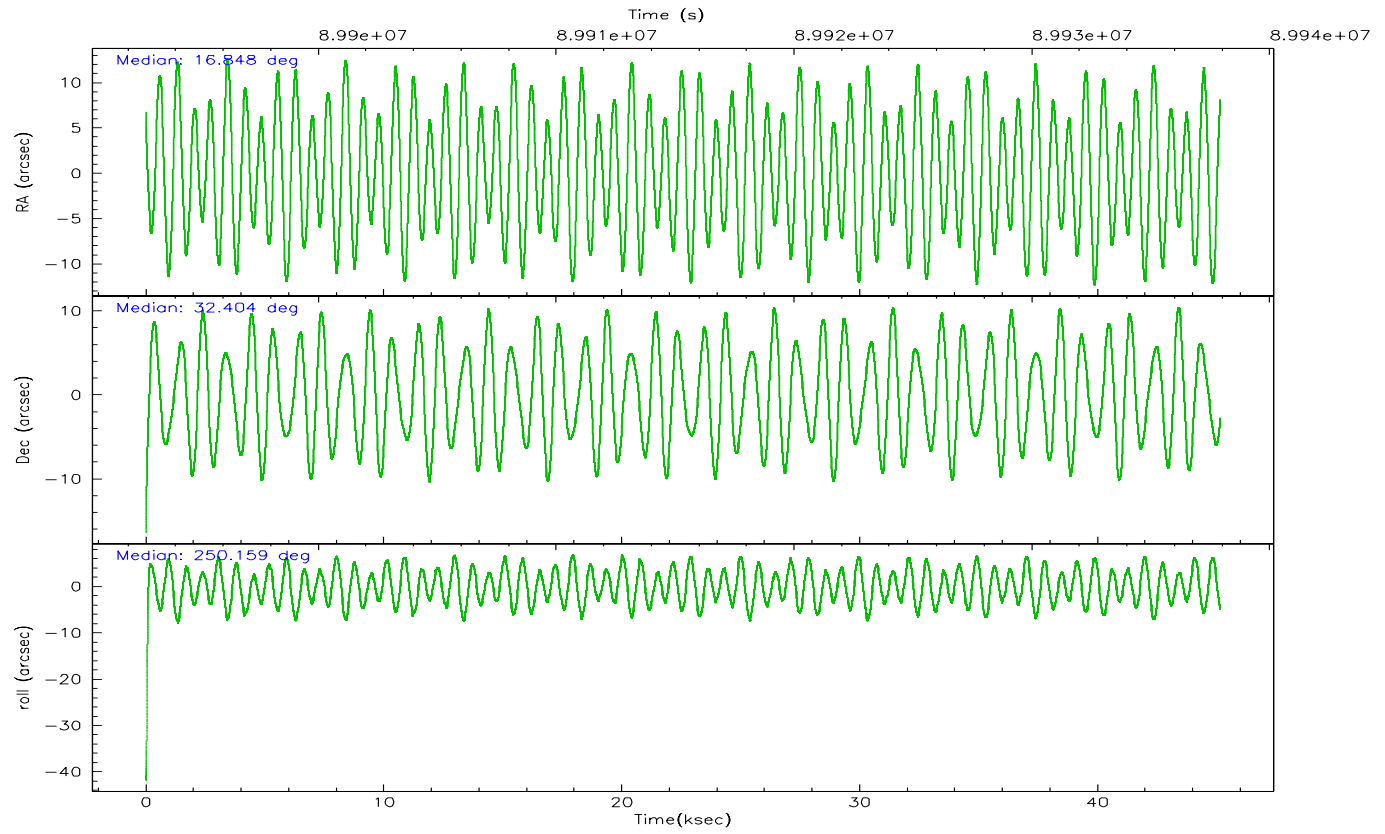
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	16007	15233	55357	21012	21740	23490
	5%	5%	13%	7%	6%	6%
grade 1 events	150	132	1471	155	324	180
	0%	0%	0%	0%	0%	0%
grade 2 events	6682	6134	54502	6880	34120	14589
	2%	2%	13%	2%	9%	4%
grade 3 events	2878	2950	8321	3369	15694	7232
	1%	1%	2%	1%	4%	2%
grade 4 events	2878	2987	8204	3276	15765	6953
	1%	1%	1%	1%	4%	2%
grade 5 events	9063	9717	28450	10878	31957	13726
	3%	3%	6%	3%	8%	4%
grade 6 events	5299	5344	87705	6121	77575	17313
	1%	2%	21%	2%	21%	5%
grade 7 events	235125	218241	170645	228843	161378	258706
	84%	83%	41%	81%	45%	75%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	16.841905	16.84786157169371	Subarray requested	NONE	NONE
Pointing Dec	32.430606	32.40372571842283	Alternating exposures requested	N	N
Pointing Roll	250.006354	250.1597762574415	Primary exposure time	0.000000	3.2
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	89892917.184000	89891943.955405			
Observation start date	2000-11-06T10:14:13	2000-11-06T09:59:03			
Observation end time	89937917.184000	89939765.332213			
Observation end date	2000-11-06T22:44:13	2000-11-06T23:16:05			
Read mode	TIMED	TIMED			

2.3 Aspect



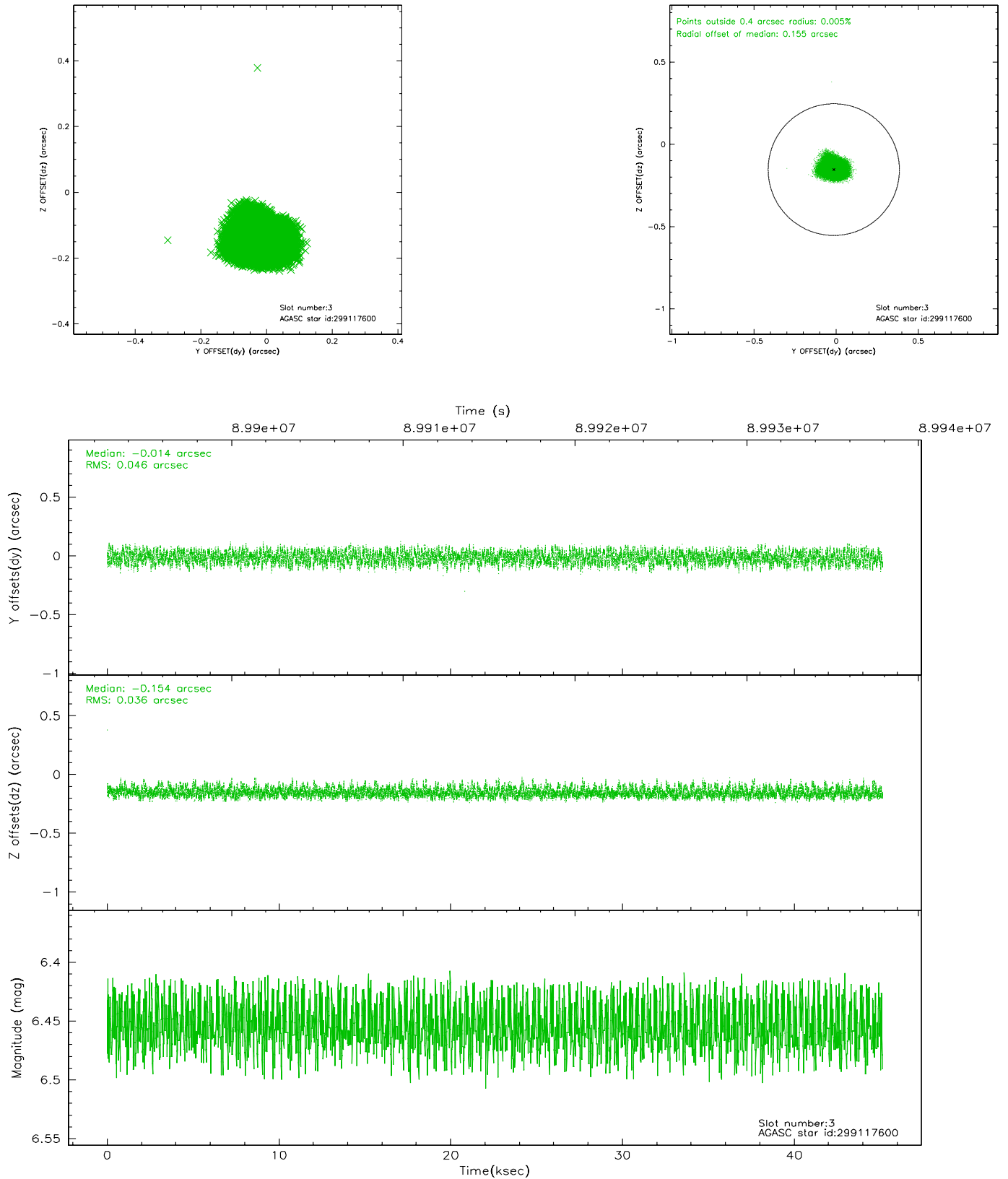


Slot Statistics

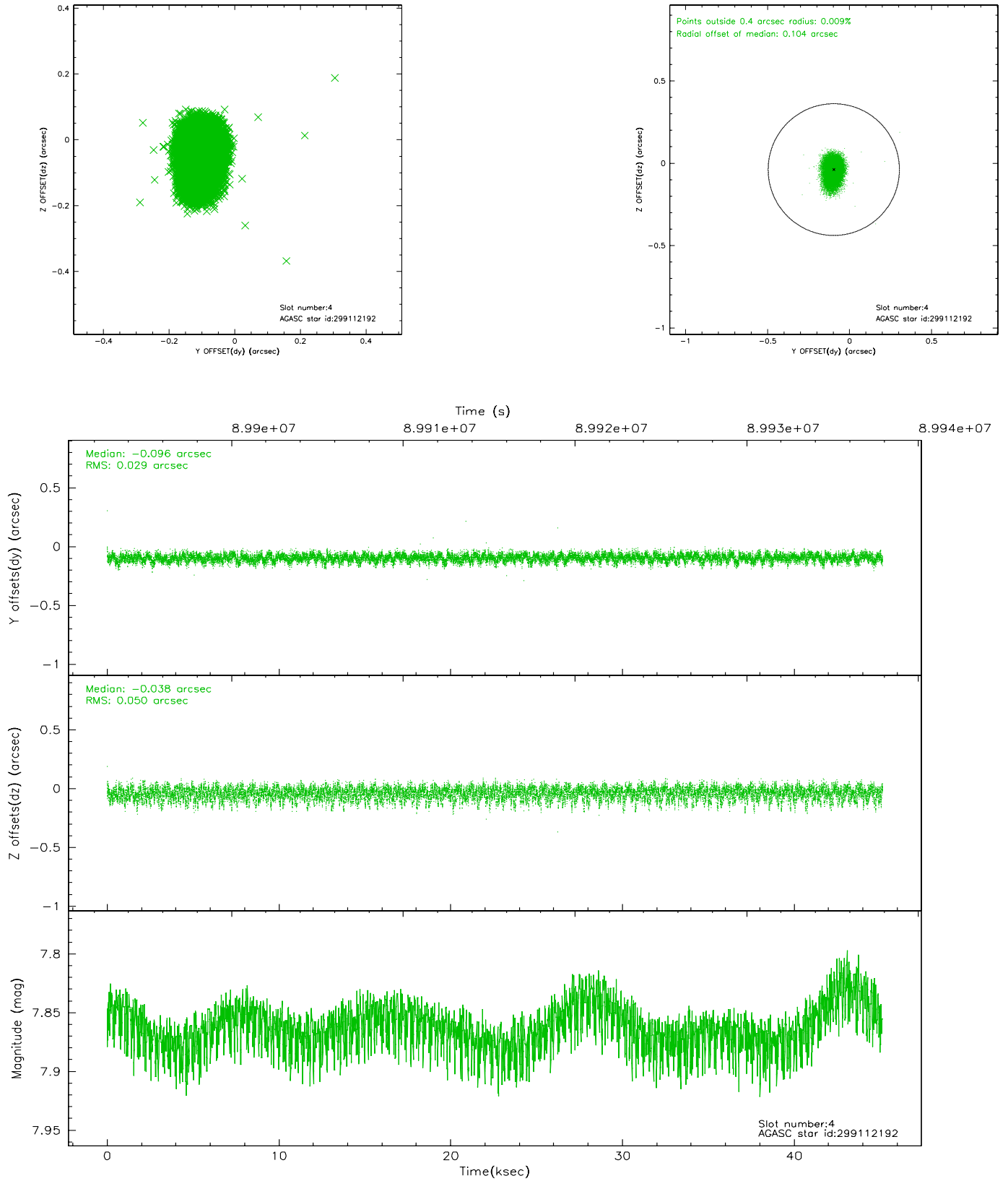
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	11013	-0.025	0.007	0.007	0.011	0.000000	0.000000	-755.08	-1725.81
1	FID	ACIS-S-4	7.20	11013	-0.043	0.010	0.005	0.010	0.000000	0.000000	2158.15	182.73
2	FID	ACIS-S-5	7.24	11014	0.037	-0.009	0.007	0.011	0.000000	0.000000	-1807.90	176.31
3	GUIDE	299117600	6.46	22028	-0.014	-0.154	0.064	0.096	17.005601	32.012121	1245.27	984.50
4	GUIDE	299112192	7.86	22026	-0.096	-0.038	0.060	0.104	16.475791	32.993623	-1527.78	-1732.66
5	GUIDE	298586320	8.66	22024	-0.026	0.157	0.055	0.091	16.564219	31.844567	2272.63	-77.04
6	GUIDE	299113448	9.15	22020	0.024	0.001	0.063	0.103	16.510971	32.256490	932.98	-733.07
7	GUIDE	299118016	9.32	22020	0.113	0.036	0.078	0.126	17.090502	31.987010	1241.28	1259.00

2.4 Star Slots

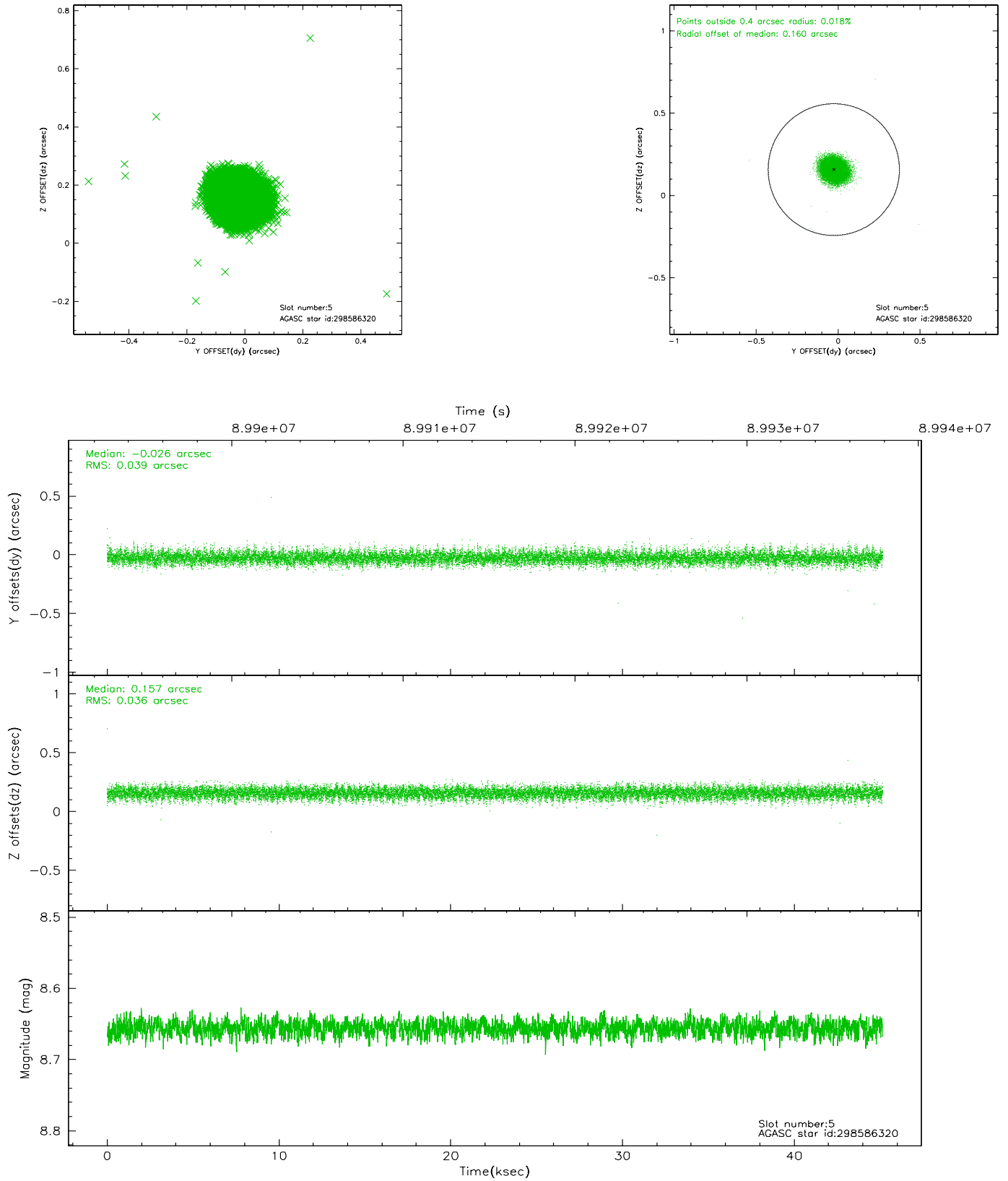
2.4.1 Slot 3



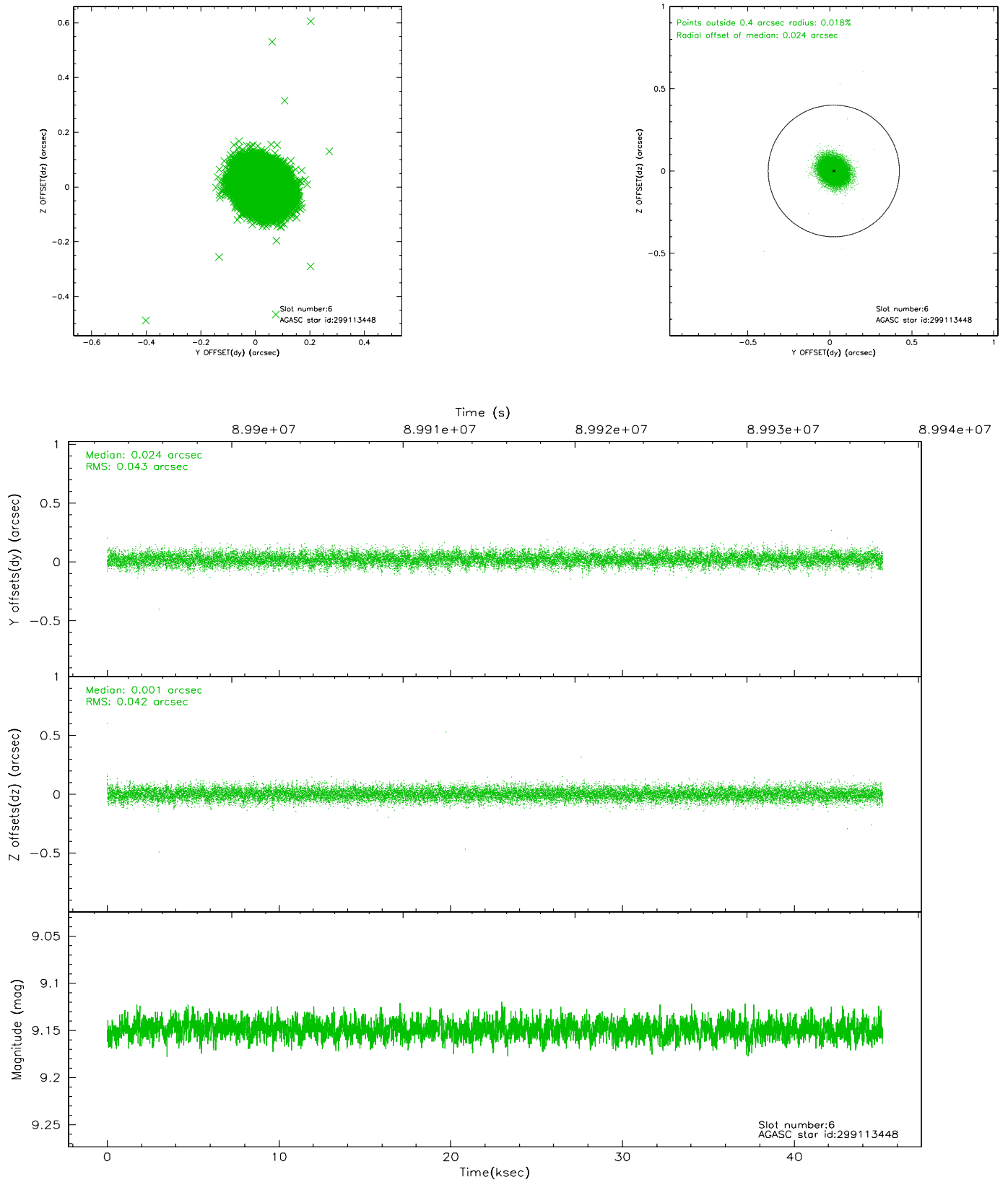
2.4.2 Slot 4



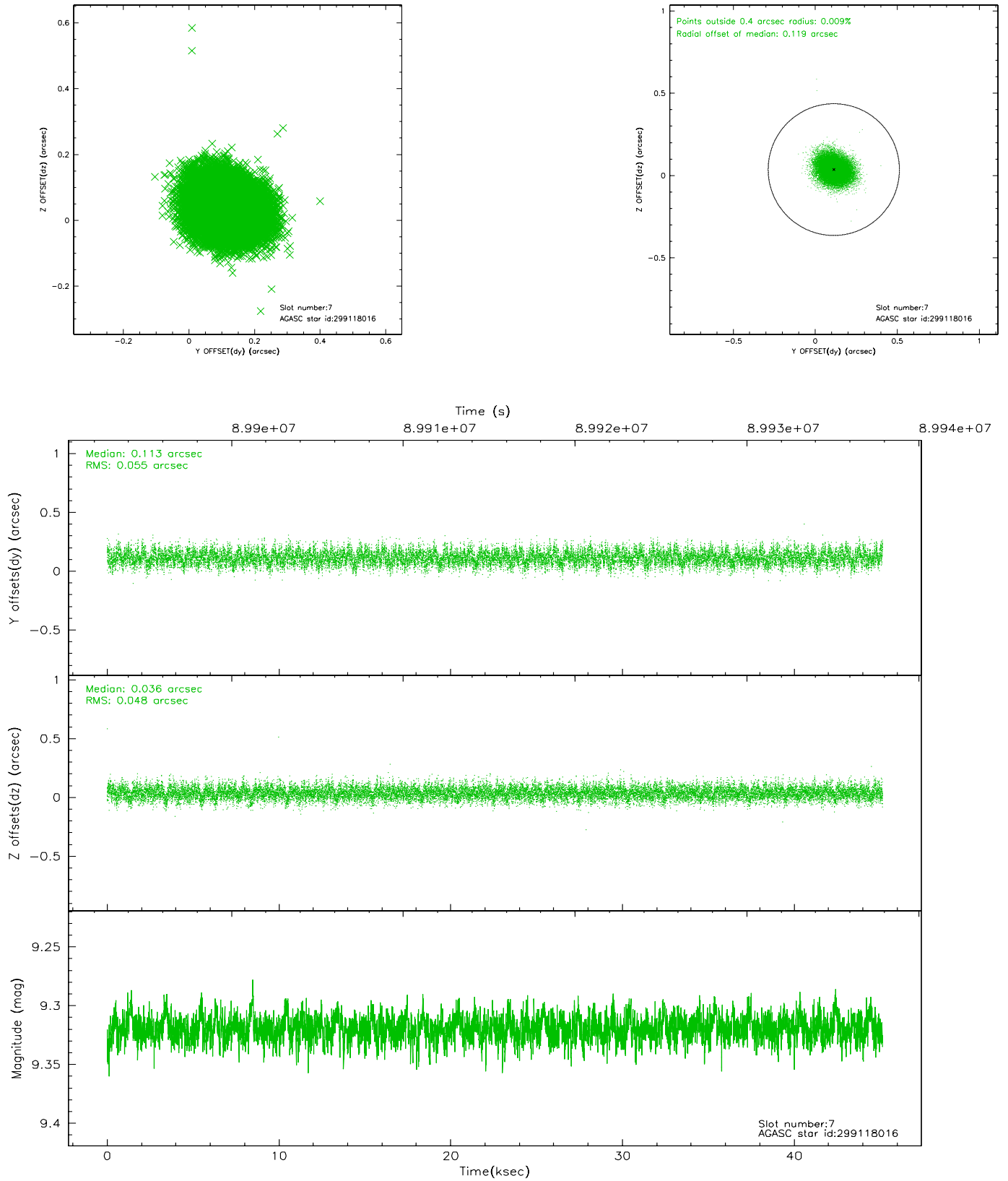
2.4.3 Slot 5



2.4.4 Slot 6

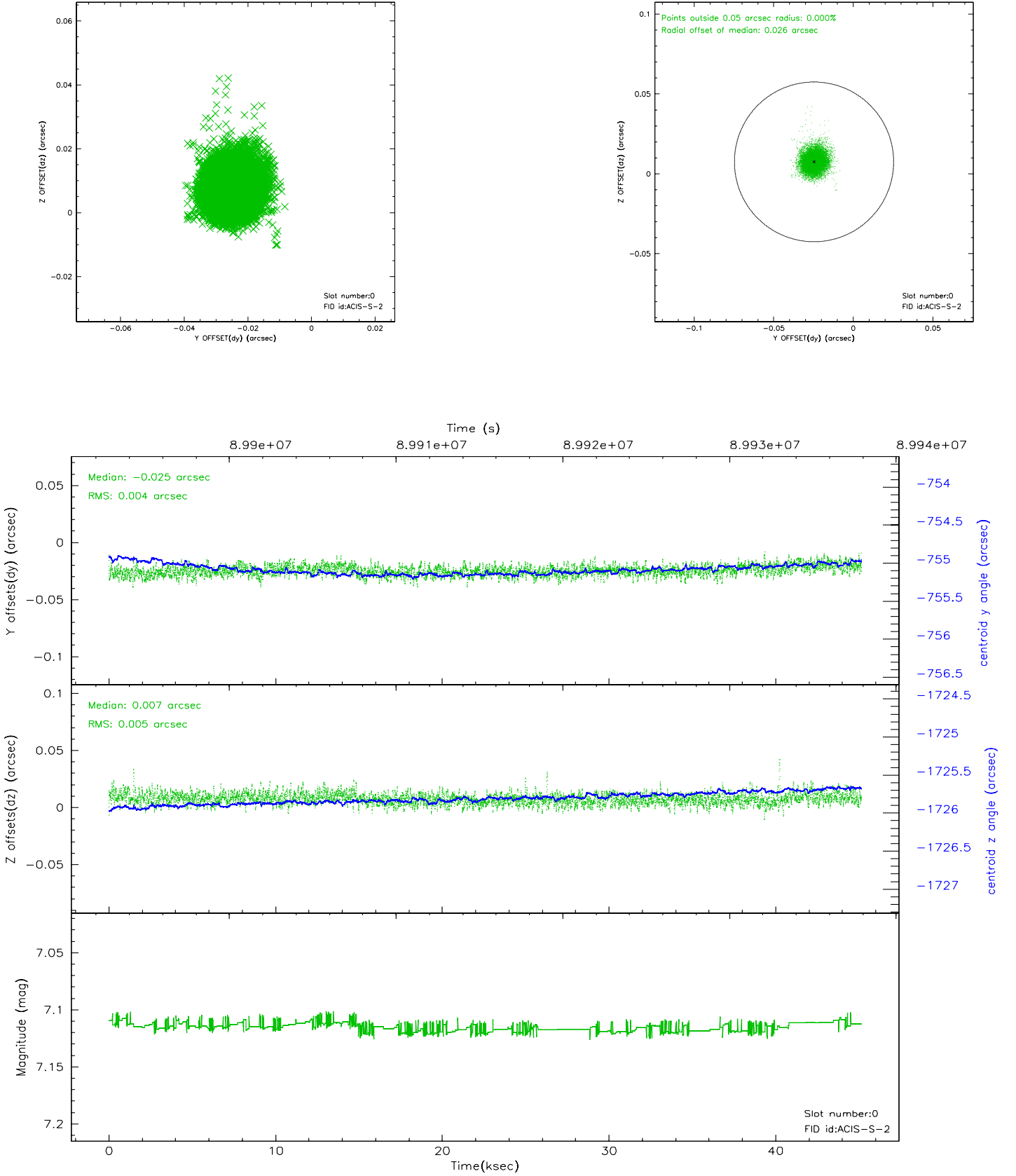


2.4.5 Slot 7

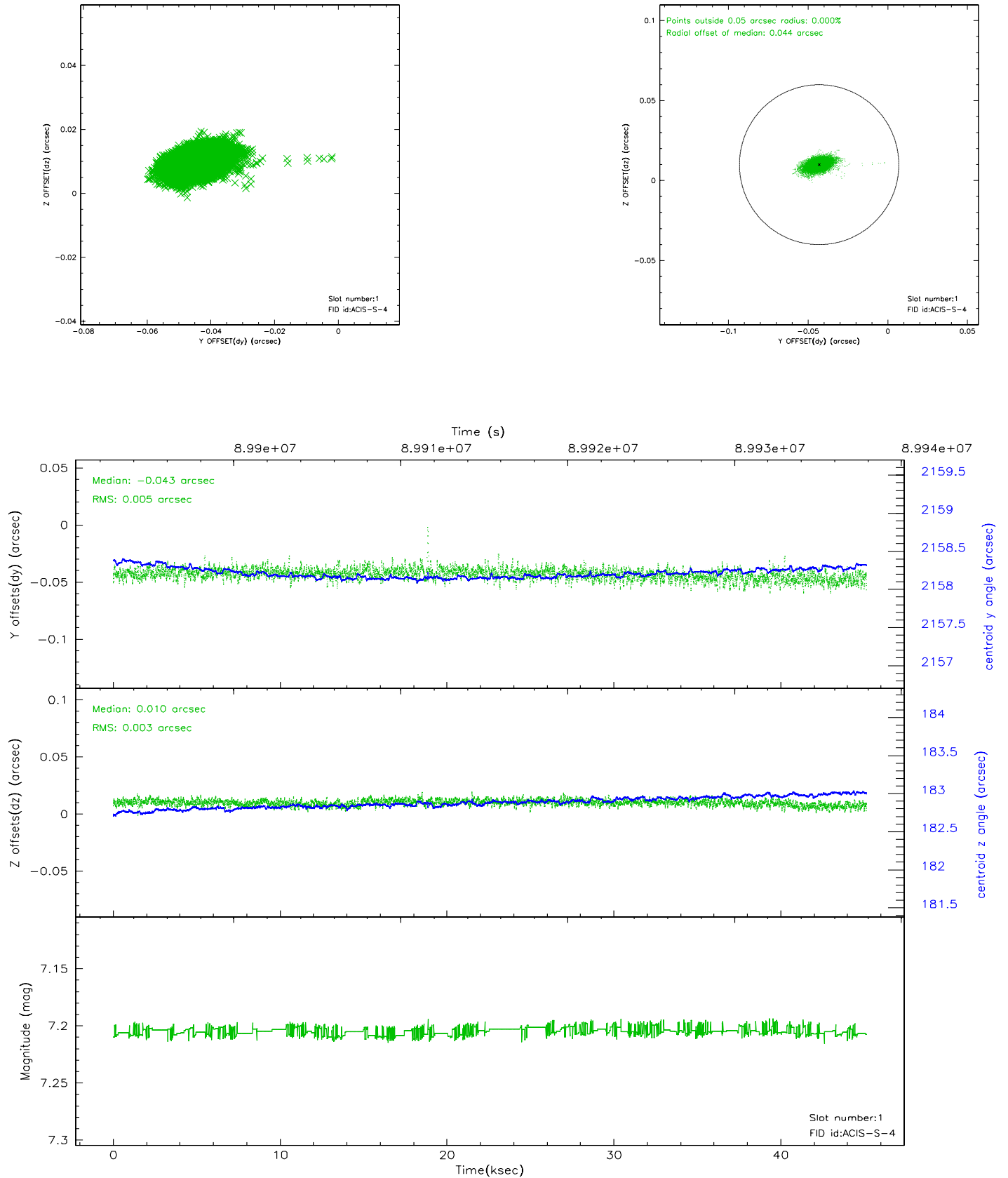


2.5 FID Slots

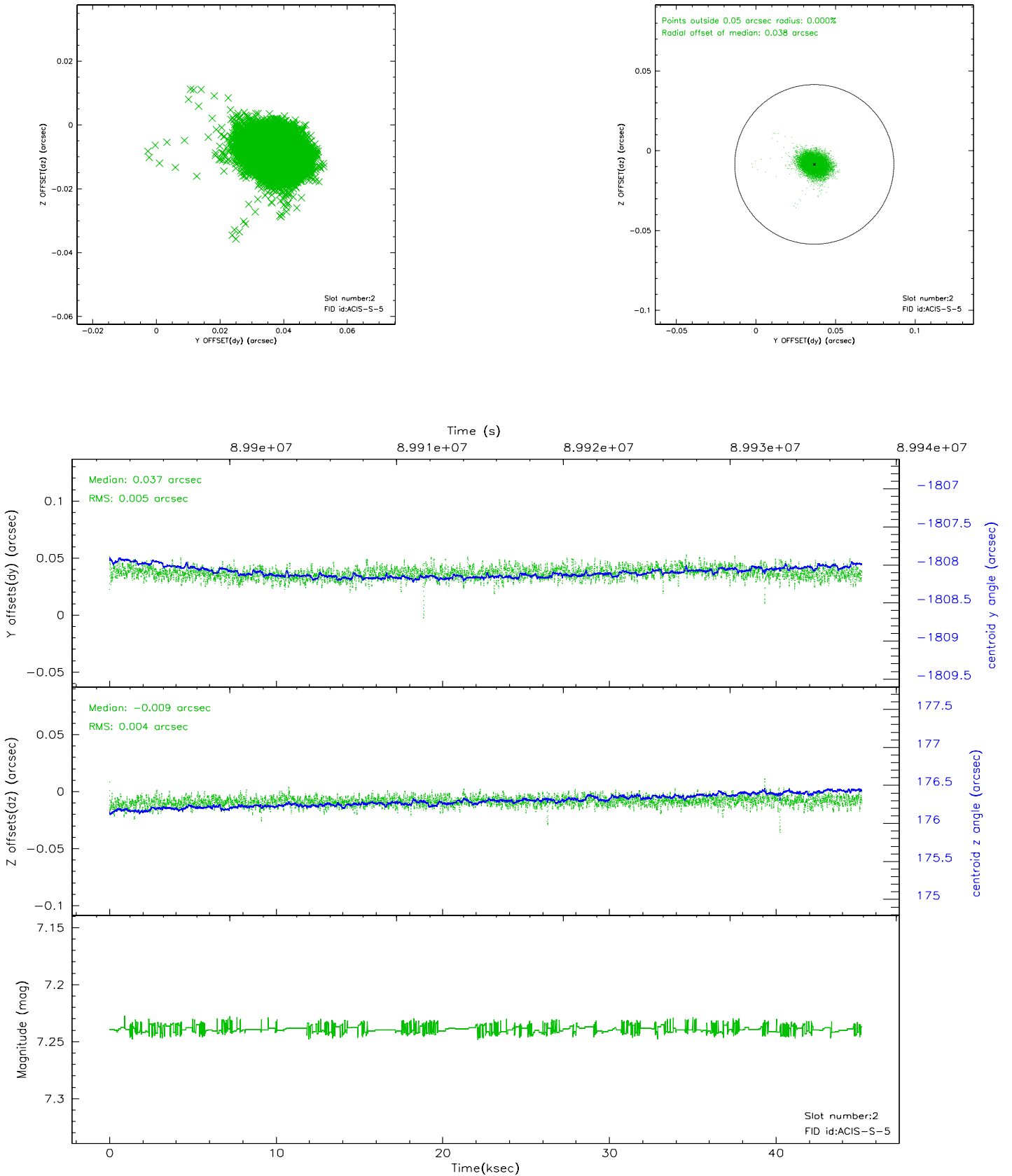
2.5.1 Slot 0



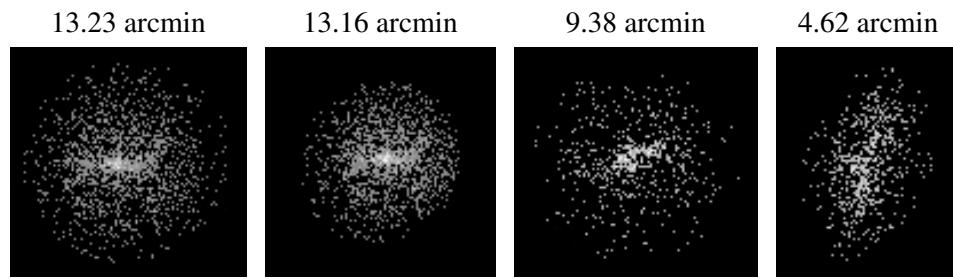
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	44.979

A.2 Comments

Roll constraint met.