

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 2841 - L2 Version 001
Chandra X-Ray Center

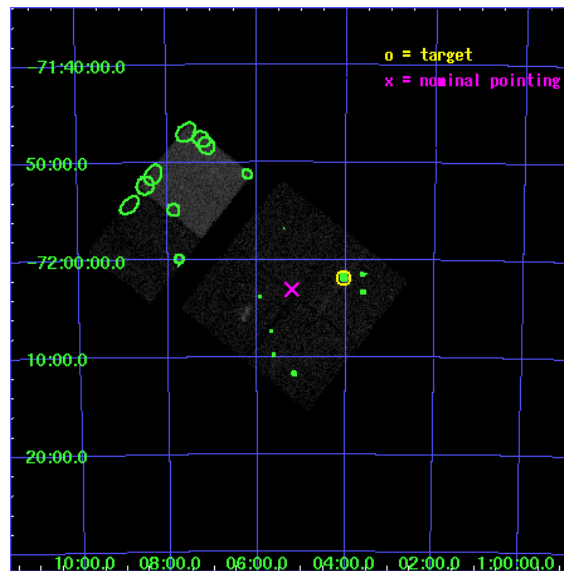
L2 Processing Date : Jan 21 2007

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

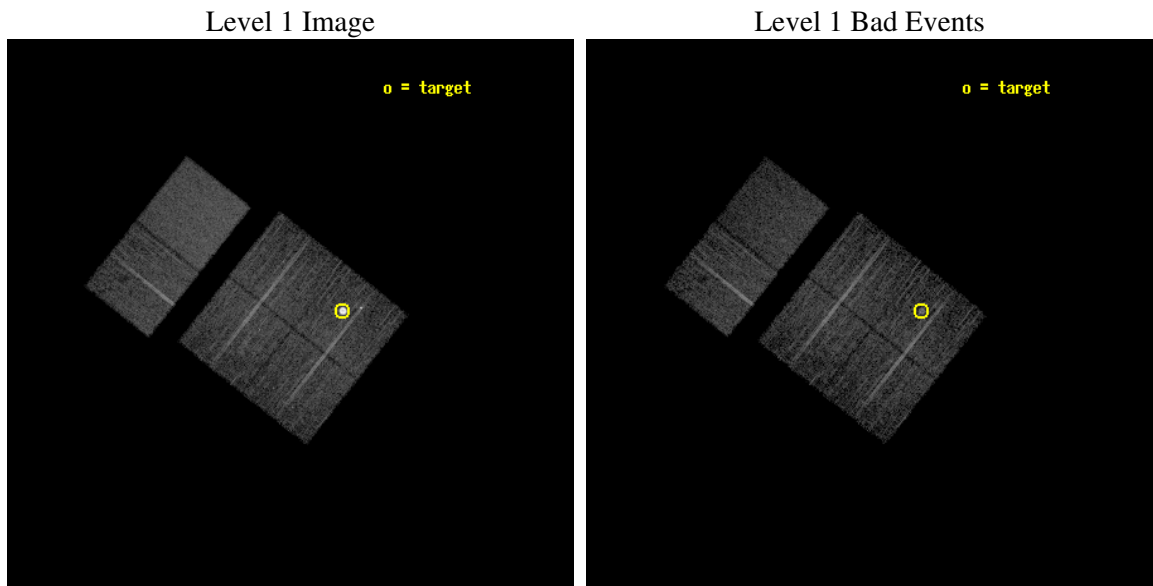
seq_num	590230
obs_id	2841
title	AO3A ACIS-I CALIBRATION OBSERVATIONS OF E0102-72
observer	Dr. CXC Calibration
object	E0102-72.3 [Chip I1, T=120, Offsets=-4,-3,0]
dtcycle	0
cycle	P
ra_targ	16.01
dec_targ	-72.032028
ra_nom	16.30385779768
dec_nom	-72.051211039696
roll_nom	308.44293898906
revision	2
ontime	7558.4000070393
livetime	7462.6909950281
ontime0	7558.4000070393
ontime1	7558.4000070393
ontime2	7558.4000070393
ontime3	7558.4000070393
ontime6	7558.4000070393
ontime7	7558.4000070393
l2events	77863



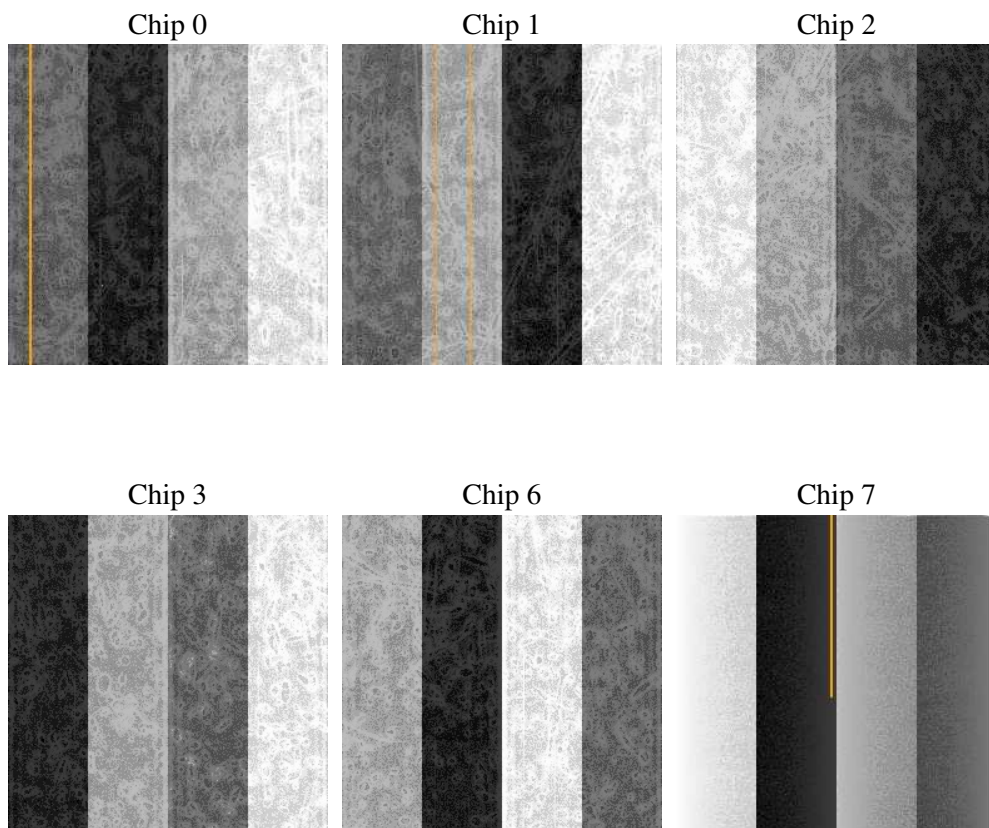
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1
ascdsver	7.6.10
caldsver	3.3.0
date	2007-01-20T12:44:41
revision	2

sched_exp_time	7800.000000
ontime	7558.4000070393
ontime0	7558.4000070393
ontime1	7558.4000070393
ontime2	7558.4000070393
ontime3	7558.4000070393
ontime6	7558.4000070393
ontime7	7558.4000070393
l1events	326207

2.1.4 Events

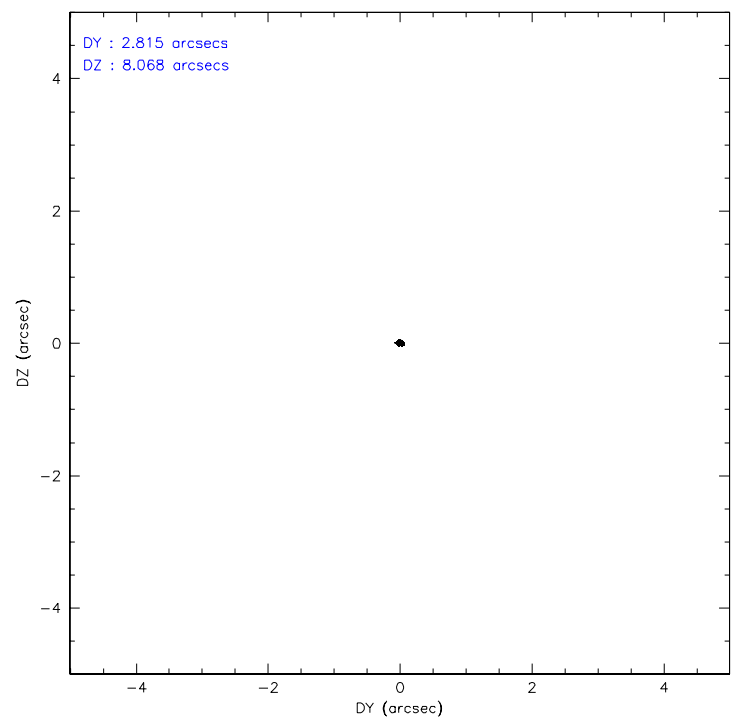
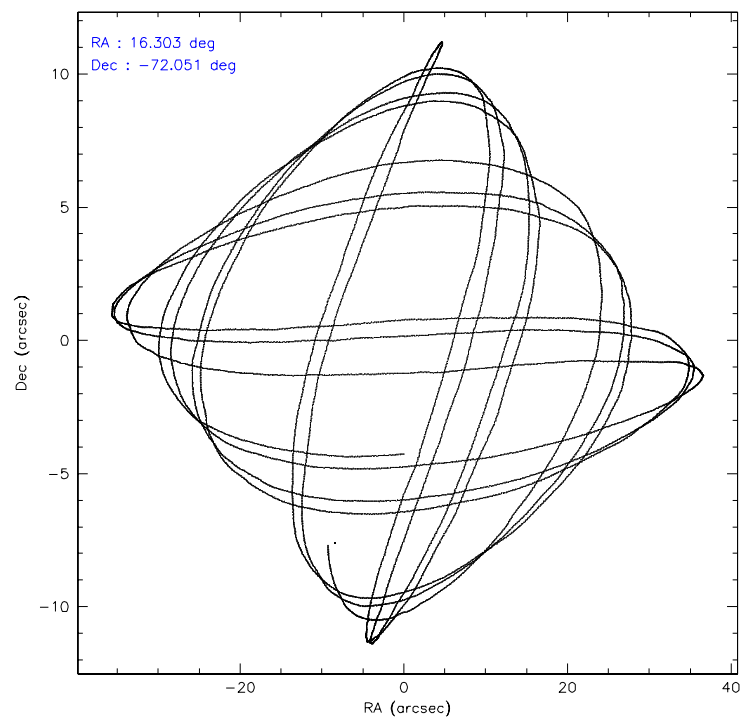
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	43423	72500	48085	48409	50431	63359
rejected events	37060	40192	41757	42614	44598	36311
rejected %	85%	55%	86%	88%	88%	57%

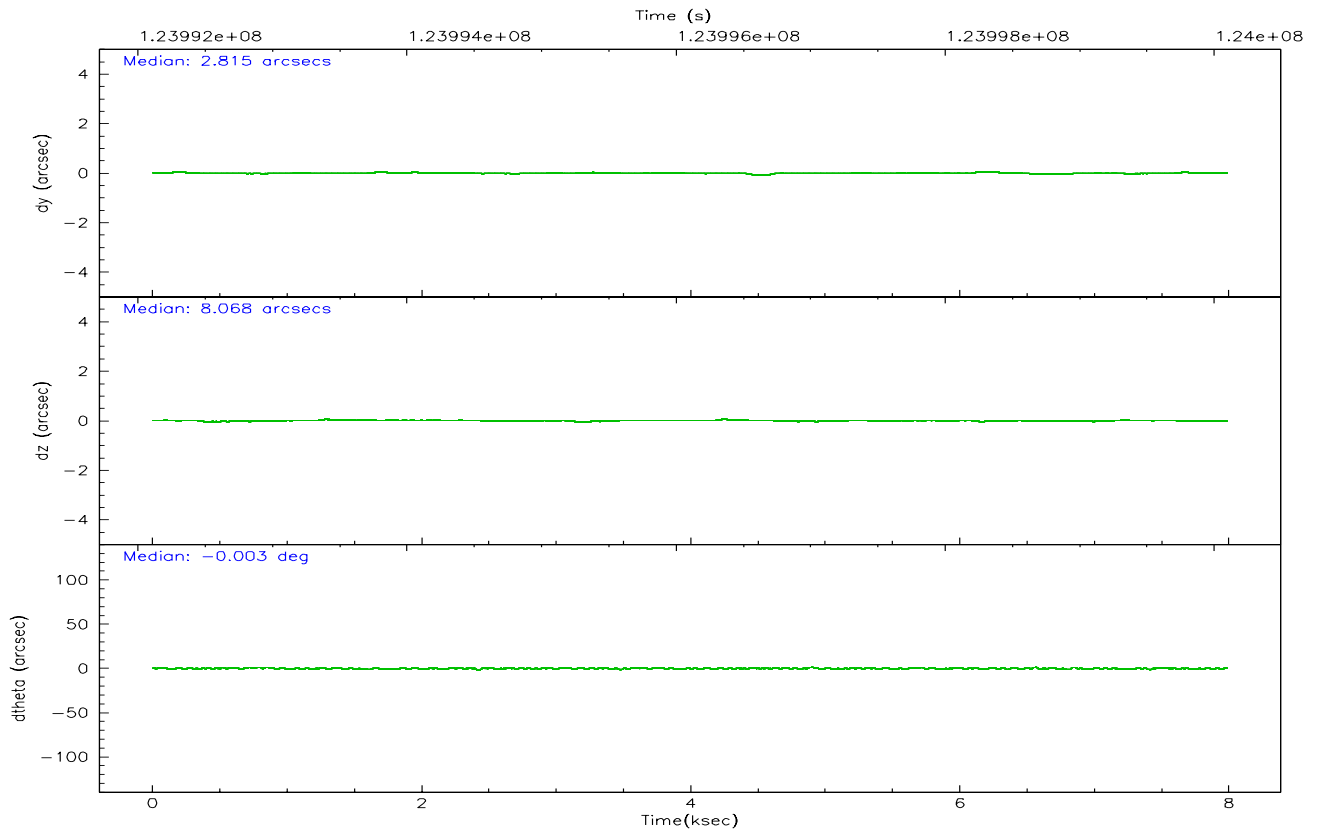
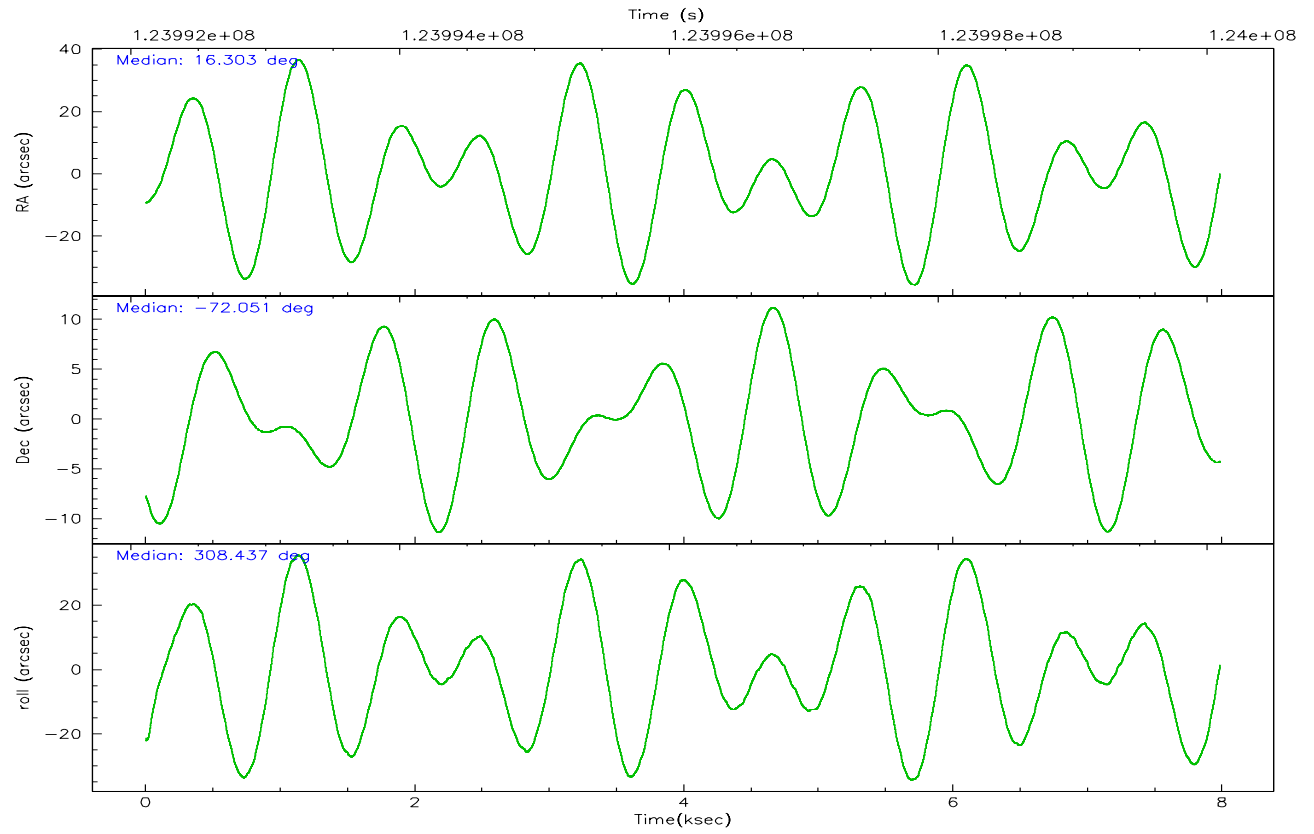
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	3068	25716	3002	2573	2335	2615
	7%	35%	6%	5%	4%	4%
grade 1 events	19	213	33	20	22	53
	0%	0%	0%	0%	0%	0%
grade 2 events	1271	3129	1292	1118	1263	5234
	2%	4%	2%	2%	2%	8%
grade 3 events	608	1130	545	514	573	2433
	1%	1%	1%	1%	1%	3%
grade 4 events	464	1066	525	568	539	2424
	1%	1%	1%	1%	1%	3%
grade 5 events	1754	1935	1628	1934	2137	5888
	4%	2%	3%	3%	4%	9%
grade 6 events	958	1293	970	1025	1126	14364
	2%	1%	2%	2%	2%	22%
grade 7 events	35281	38018	40090	40657	42436	30348
	81%	52%	83%	83%	84%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-012367	ACIS-012367	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	16.221192	16.30385779768023	Subarray requested	NONE	NONE
Pointing Dec	-72.041168	-72.0512110396958	Alternating exposures requested	N	N
Pointing Roll	308.155617	308.4429389890576	Primary exposure time	0.000000	3.2
Window start time	123552064.184000	123552064.184000			
Window stop time	126144064.184000	126144064.184000			
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	123992299.184000	123991923.05963			
Observation start date	2001-12-06T02:17:15	2001-12-06T02:12:03			
Observation end time	124000099.184000	124000233.24747			
Observation end date	2001-12-06T04:27:15	2001-12-06T04:30:33			
Read mode	TIMED	TIMED			

2.3 Aspect



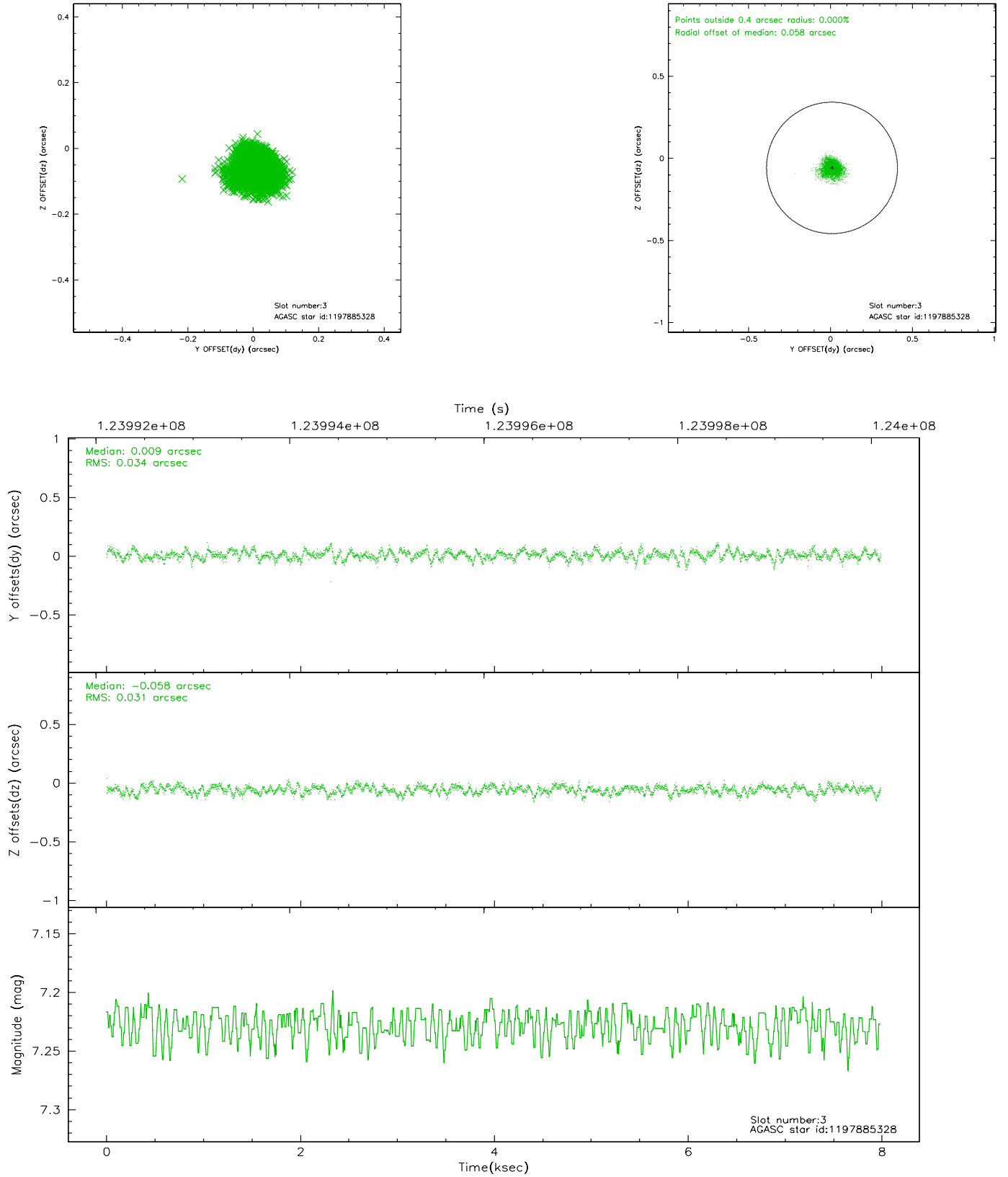


Slot Statistics

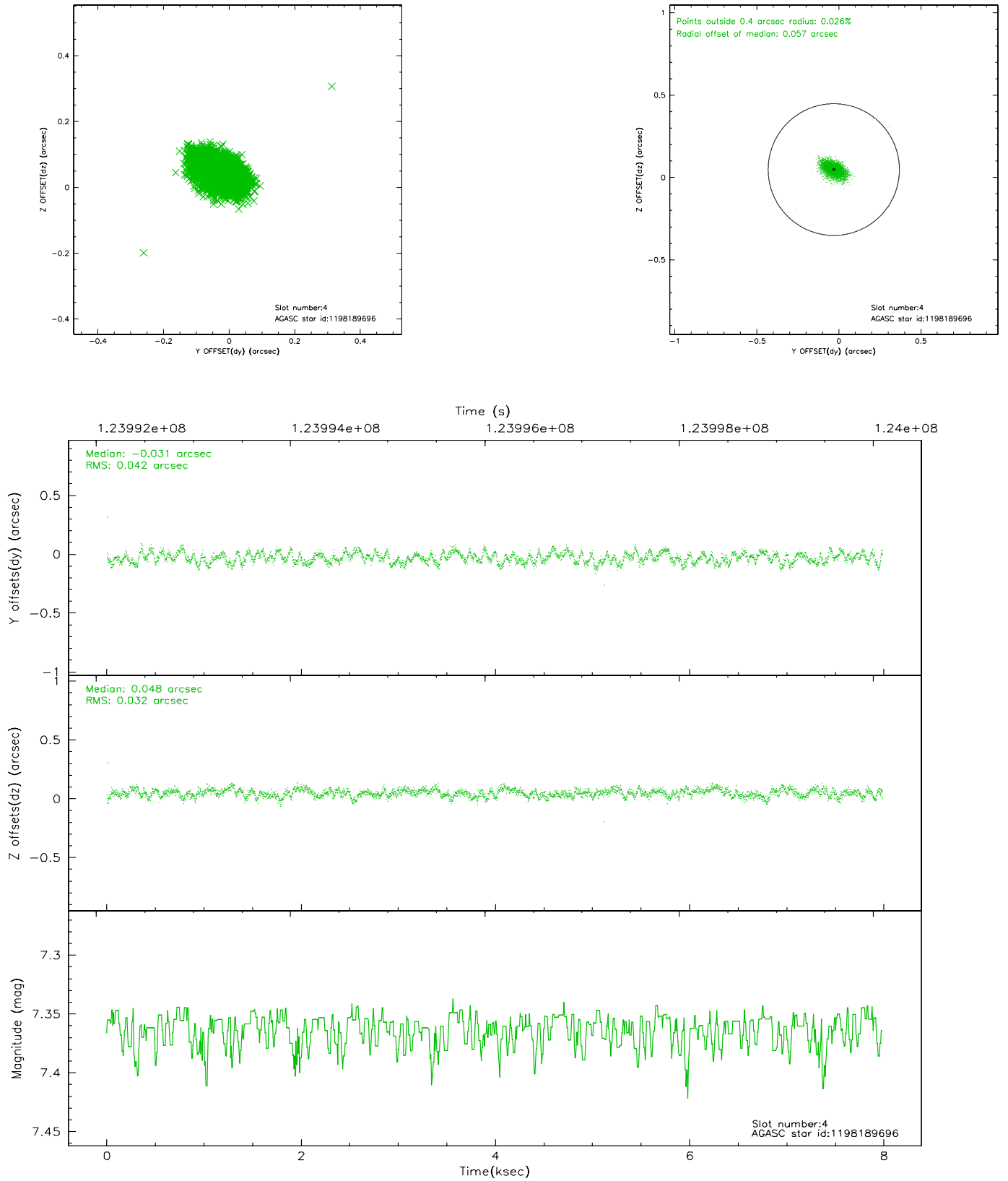
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-3	7.44	1948	-0.038	0.234	0.006	0.011	0.000000	0.000000	54.37	-964.49
1	FID	ACIS-I-5	7.24	1947	-0.022	-0.015	0.006	0.010	0.000000	0.000000	-1811.22	1065.53
2	FID	ACIS-I-6	7.26	1948	-0.032	-0.150	0.006	0.011	0.000000	0.000000	401.71	1710.80
3	GUIDE	1197885328	7.23	3895	0.009	-0.058	0.049	0.080	16.283090	-71.733943	-826.41	738.91
4	GUIDE	1198189696	7.36	3895	-0.031	0.048	0.056	0.090	15.223750	-72.697522	1205.41	-2304.02
5	GUIDE	1197750936	7.56	3892	0.032	-0.116	0.066	0.105	15.387940	-71.549550	-1972.52	342.56
6	GUIDE	1198283128	8.02	3895	-0.126	0.068	0.044	0.072	17.272580	-72.642428	2406.94	-454.43
7	GUIDE	1197878768	9.62	3890	0.116	0.057	0.107	0.170	16.656786	-71.304581	-1772.61	2032.91

2.4 Star Slots

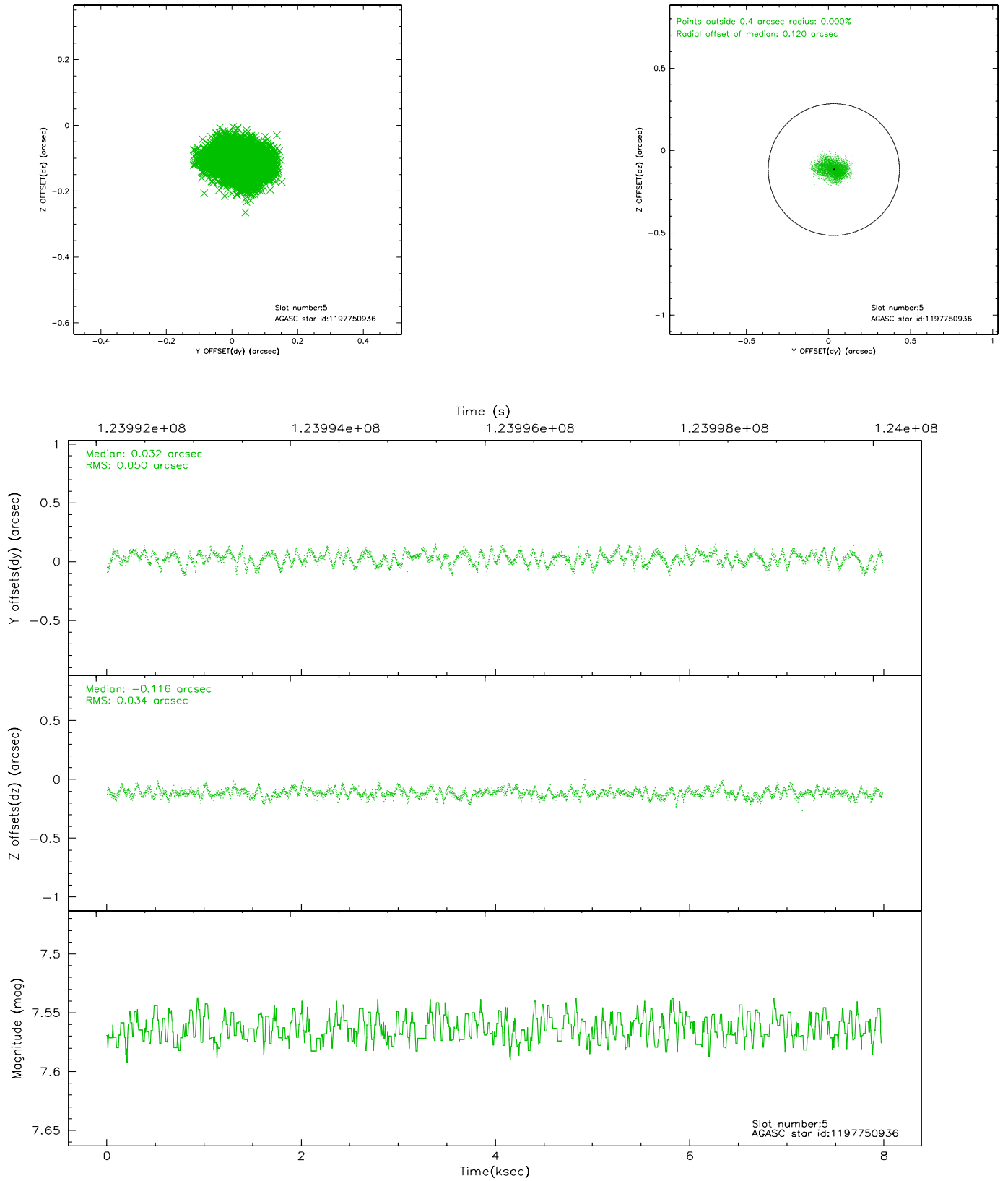
2.4.1 Slot 3



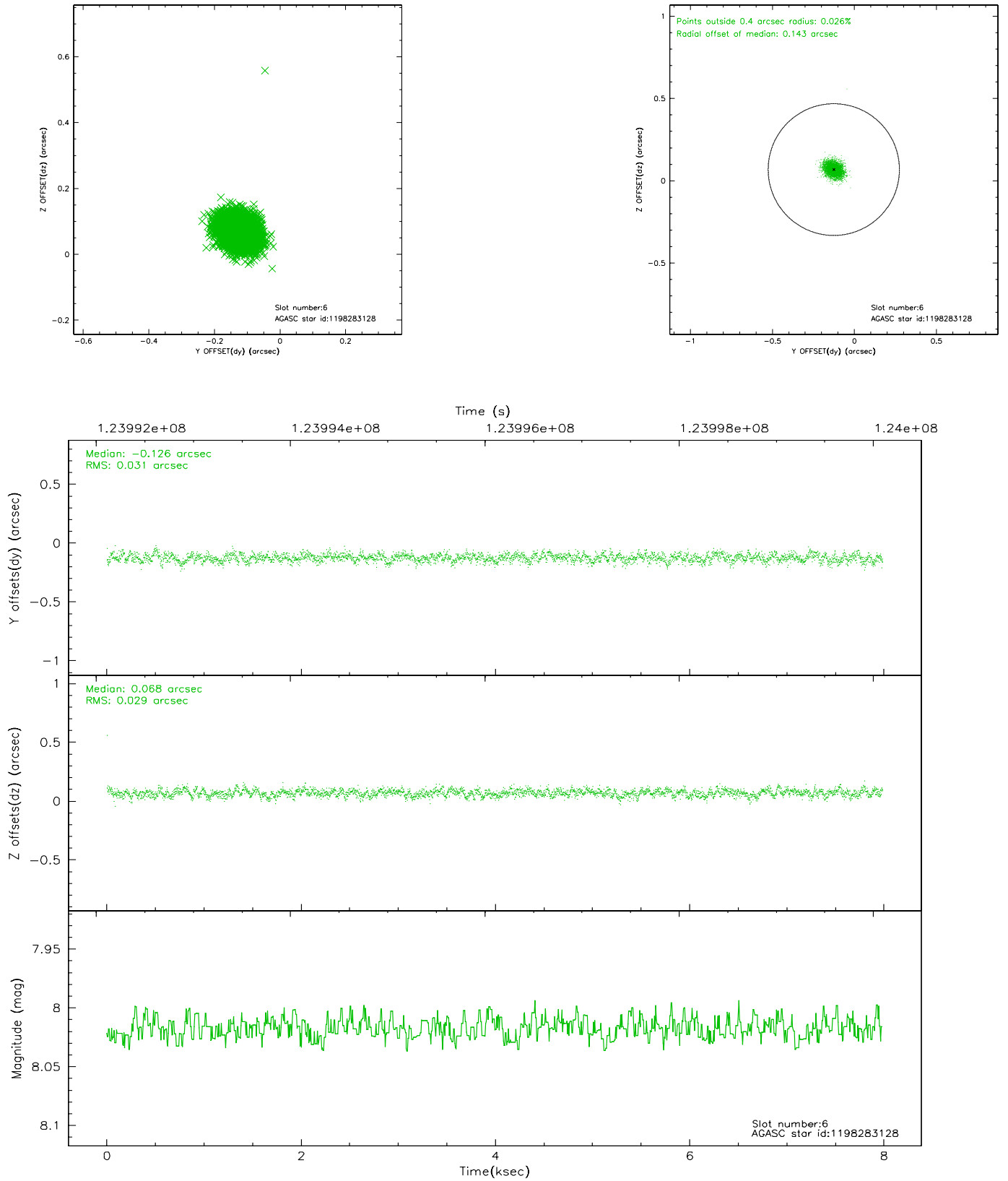
2.4.2 Slot 4



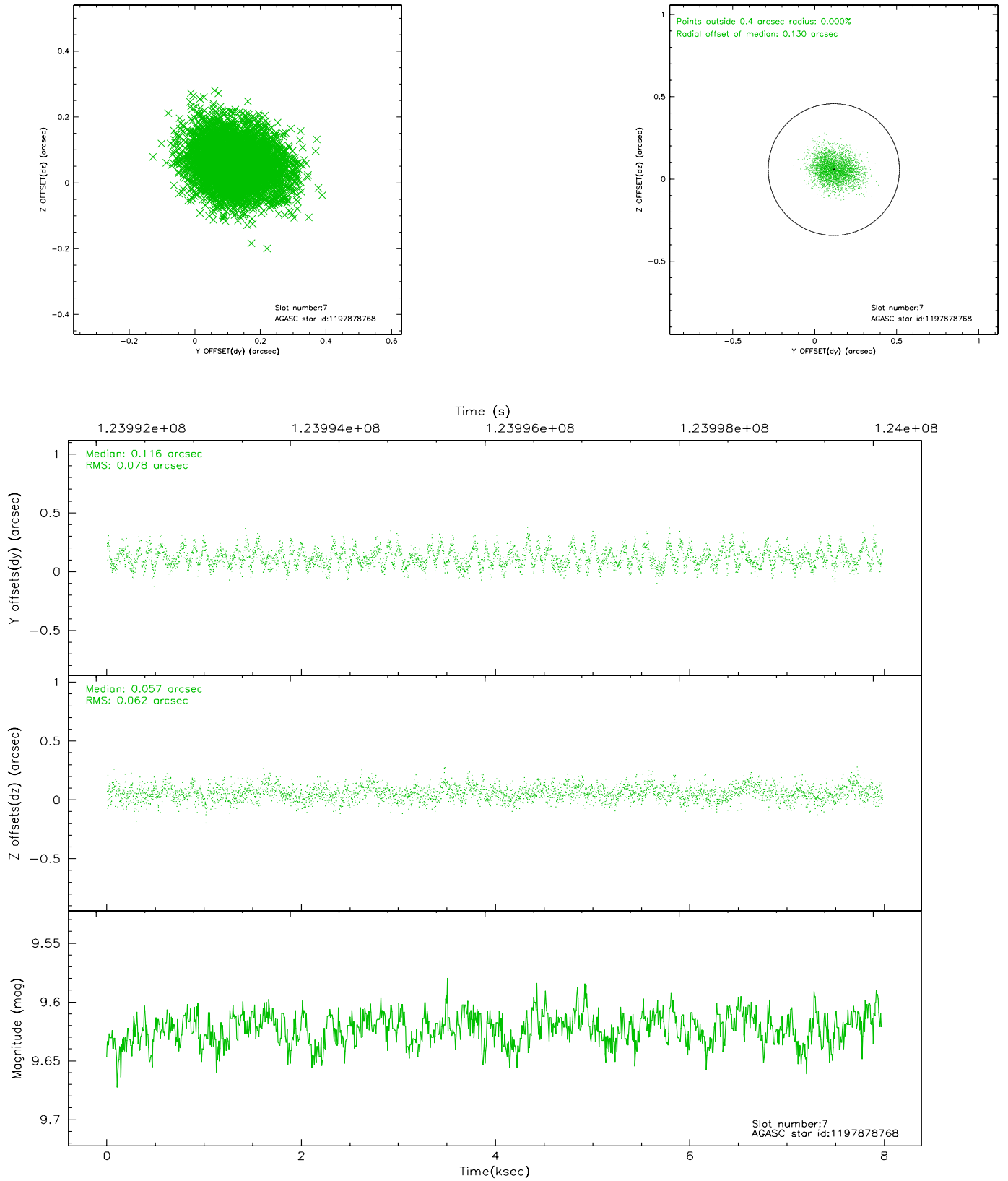
2.4.3 Slot 5



2.4.4 Slot 6

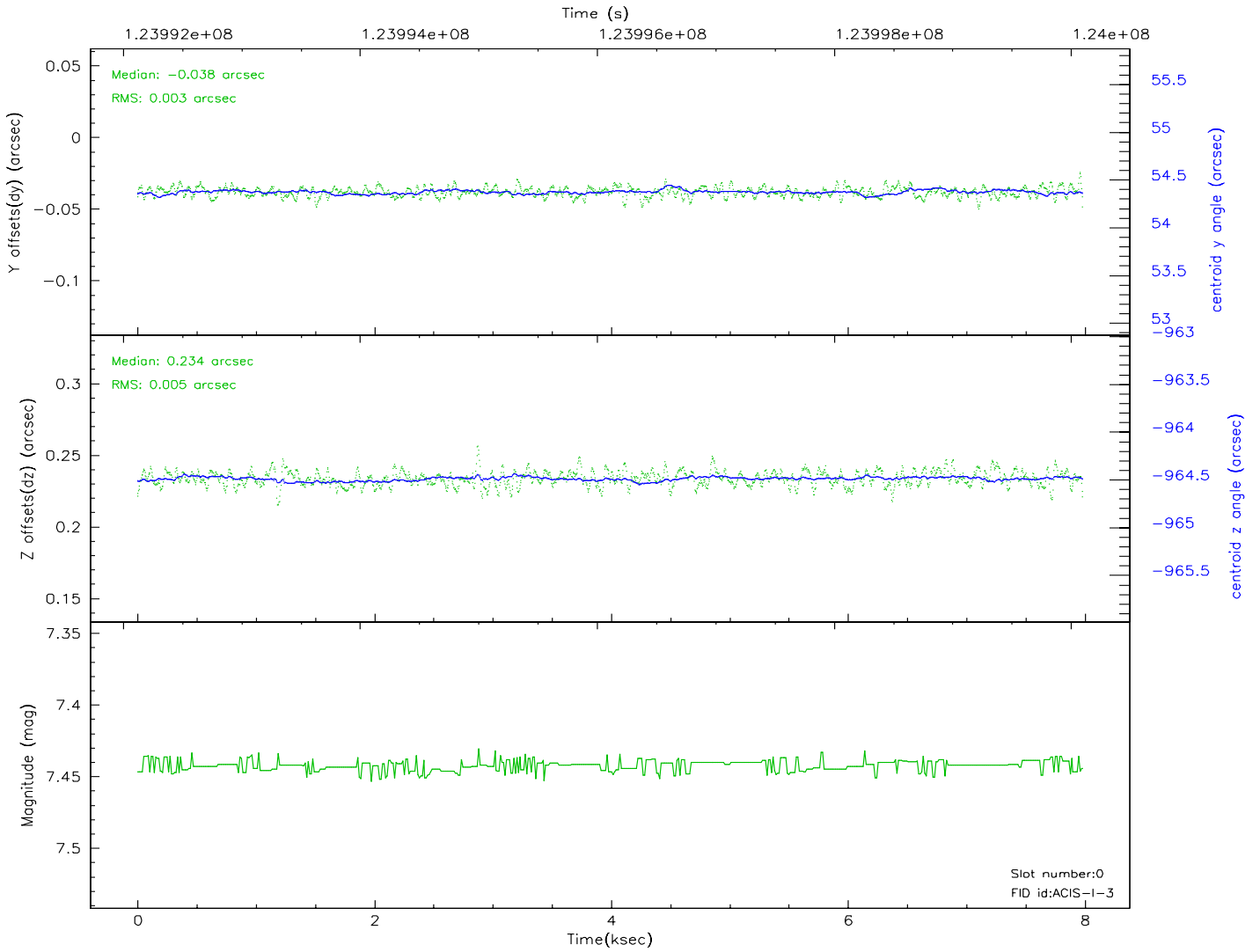
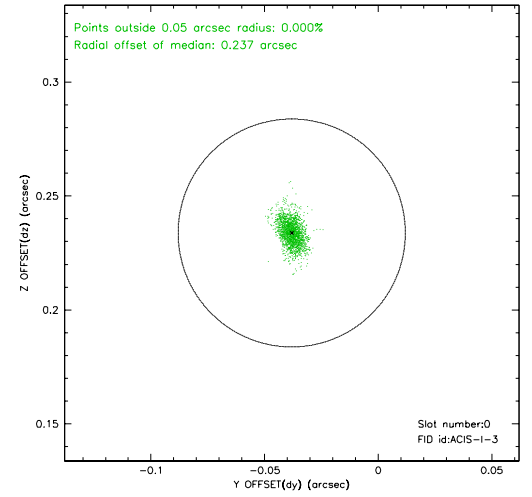
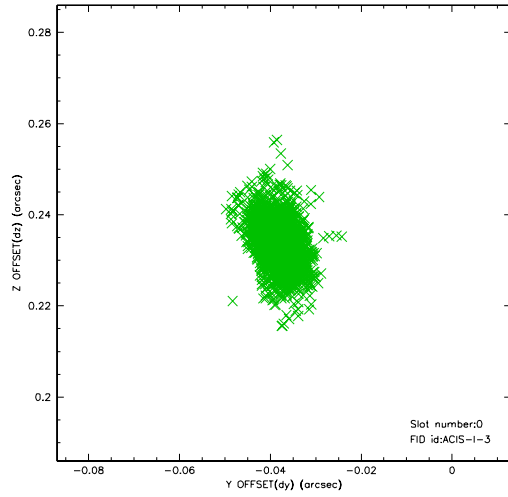


2.4.5 Slot 7

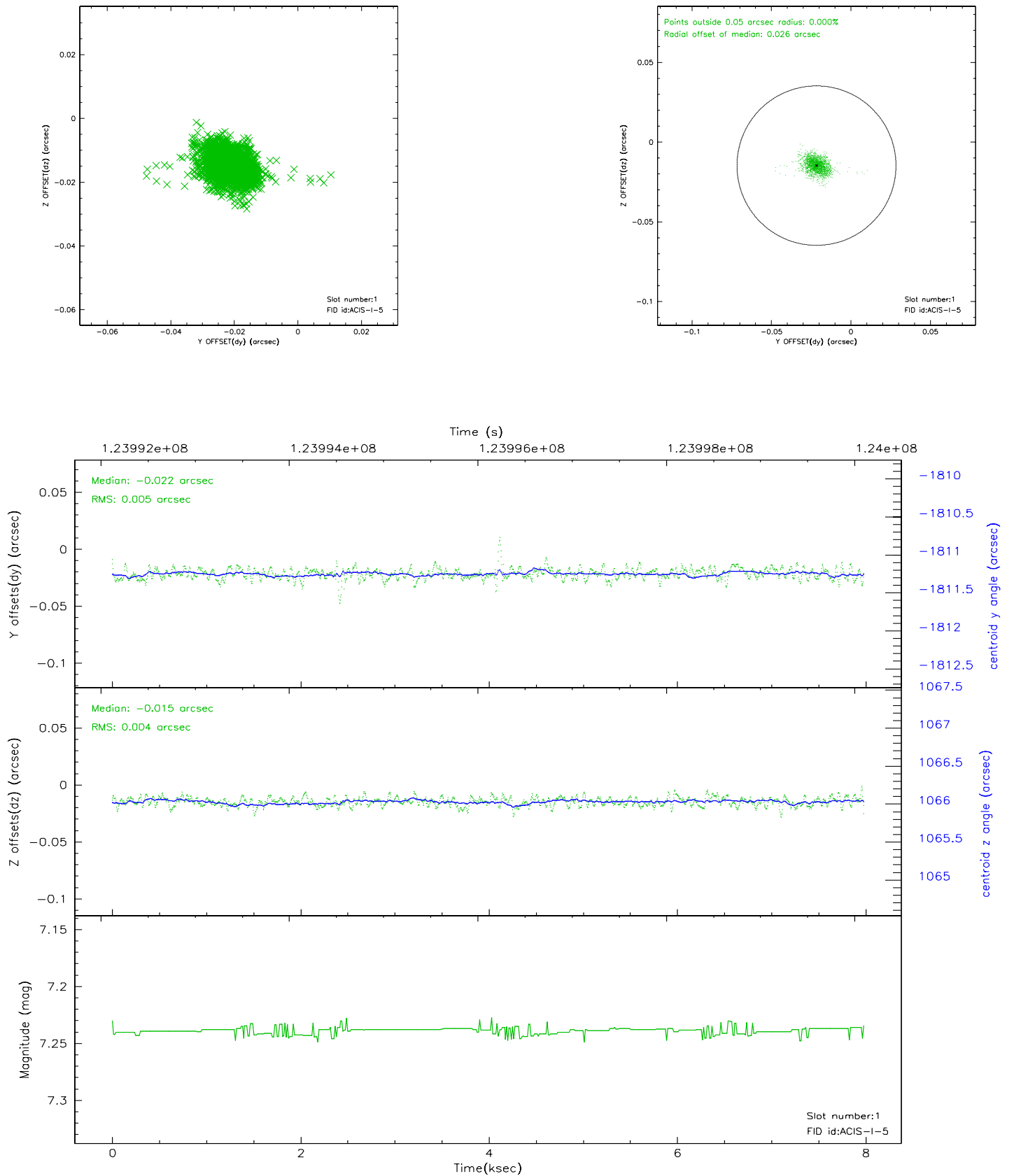


2.5 FID Slots

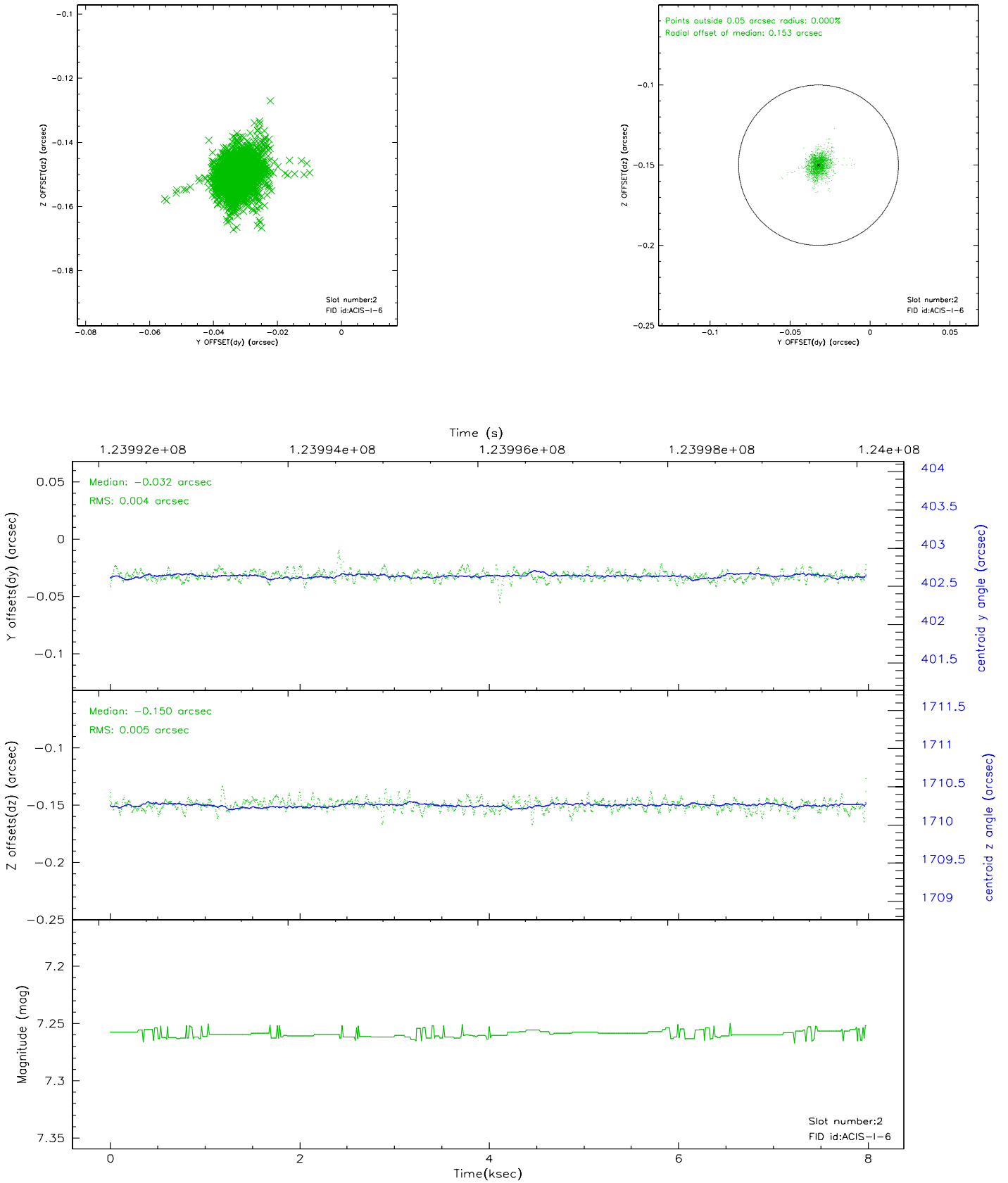
2.5.1 Slot 0



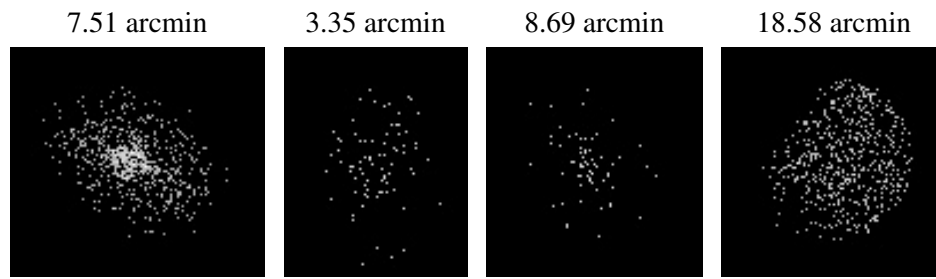
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.01.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.561

A.2 Comments