

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 1528 - L2 Version 4
Chandra X-Ray Center

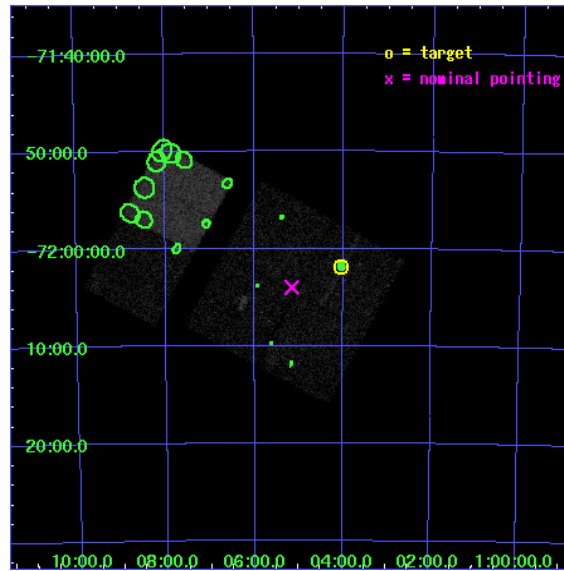
L2 Processing Date : Jul 12 2007

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

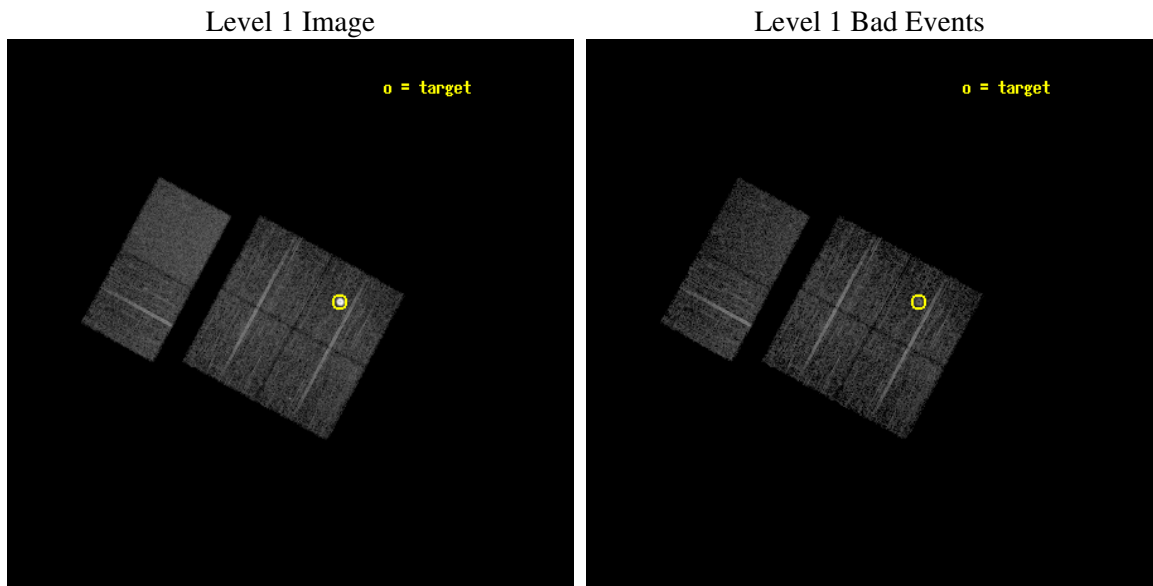
seq_num	590137
obs_id	1528
title	ACIS CALIBRATION OBSERVATION OF THE SUPERNOVA REMNANT E0102-72 (DEC 2000)
observer	Dr. CXC Calibration
object	E0102-72.3 [Chip I1, T=120, Offsets=-4,-3,0]
dtcycle	0
cycle	P
ra_targ	16.01
dec_targ	-72.032028
ra_nom	16.28891019043
dec_nom	-72.066643821124
roll_nom	298.44345571821
revision	4
ontime	6960.000006482
livetime	6871.8682955911
ontime0	6960.000006482
ontime1	6960.000006482
ontime2	6960.000006482
ontime3	6959.2471391112
ontime6	6959.1650591046
ontime7	6959.2061290145
l2events	66880



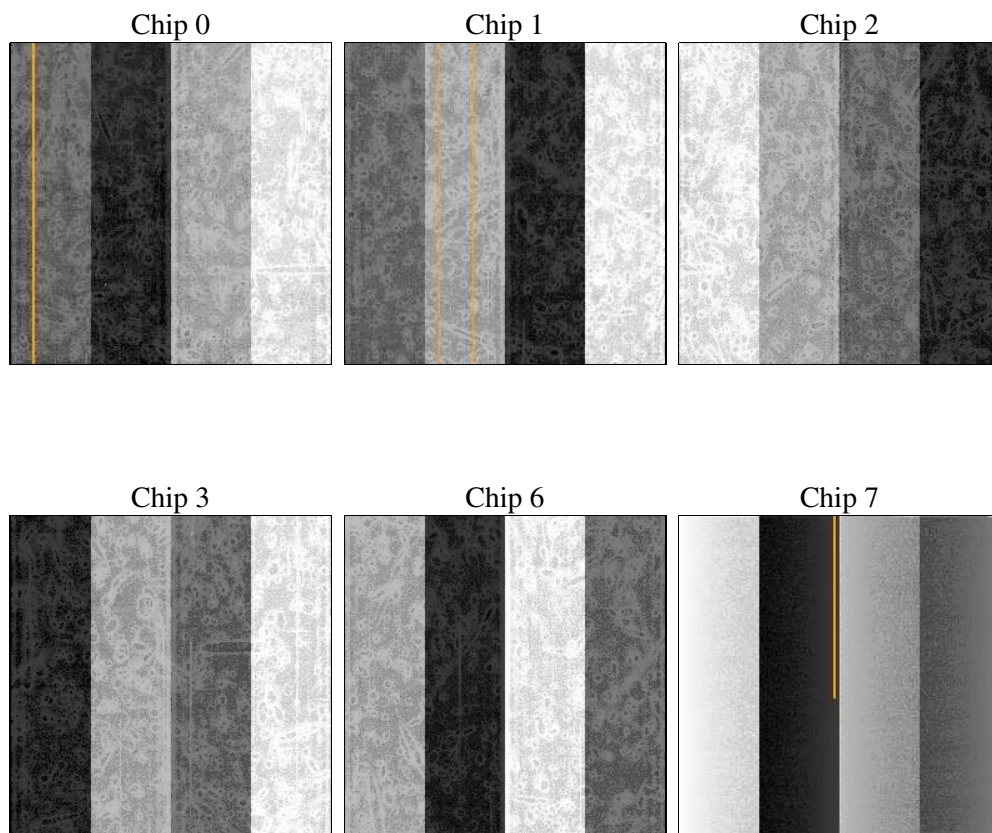
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.11
caldbver	3.4.0
date	2007-07-12T21:52:38
revision	4

sched_exp_time	7200.000000
ontime	6960.000006482
ontime0	6960.000006482
ontime1	6960.000006482
ontime2	6960.000006482
ontime3	6959.2471391112
ontime6	6959.1650591046
ontime7	6959.2061290145
l1events	283324

2.1.4 Events

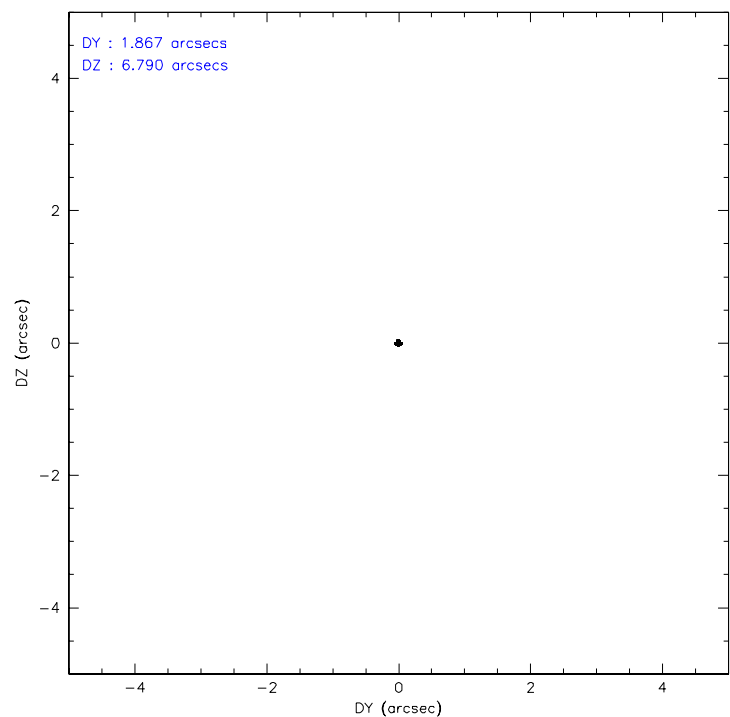
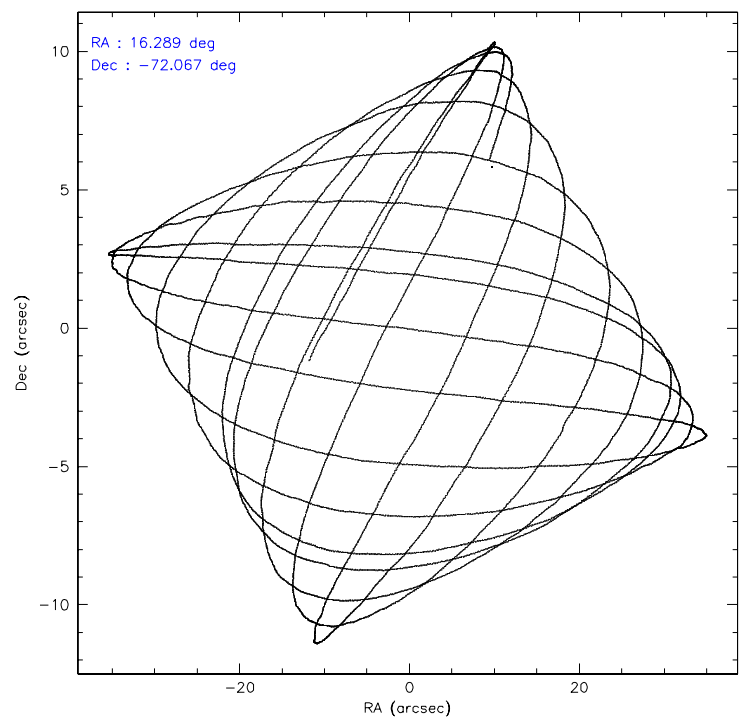
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	38444	64347	42776	41385	43851	52521
rejected events	33043	34444	37612	36500	38894	30543
rejected %	85%	53%	87%	88%	88%	58%

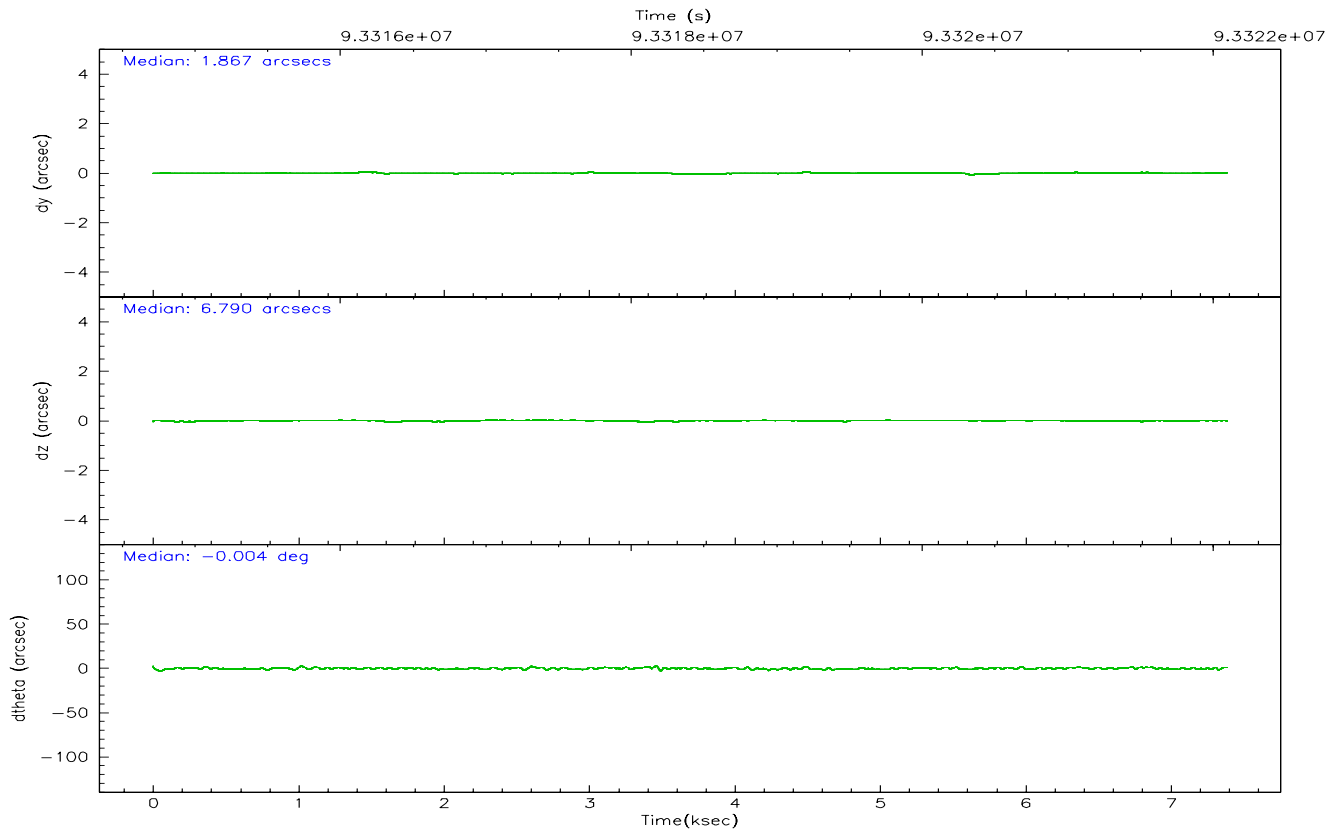
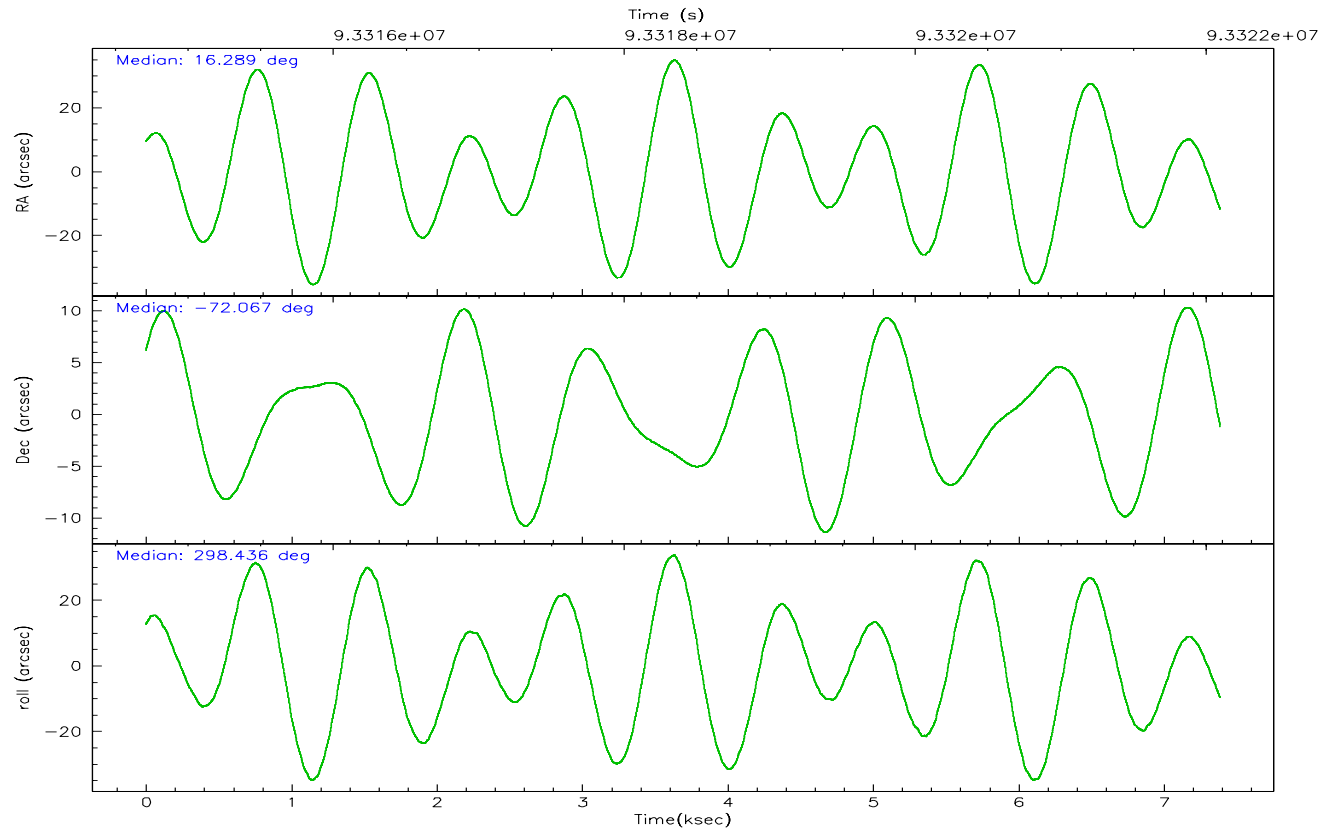
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2614	24286	2480	2172	2069	2210
	6%	37%	5%	5%	4%	4%
grade 1 events	24	204	21	13	19	43
	0%	0%	0%	0%	0%	0%
grade 2 events	1034	2708	1013	967	968	4393
	2%	4%	2%	2%	2%	8%
grade 3 events	476	960	487	482	483	1911
	1%	1%	1%	1%	1%	3%
grade 4 events	442	913	460	451	480	1978
	1%	1%	1%	1%	1%	3%
grade 5 events	1503	1633	1379	1560	1759	4946
	3%	2%	3%	3%	4%	9%
grade 6 events	839	1070	730	817	960	11499
	2%	1%	1%	1%	2%	21%
grade 7 events	31512	32573	36206	34923	37113	25541
	81%	50%	84%	84%	84%	48%

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	16.212916	16.28891019043038	Subarray requested	NONE	NONE
Pointing Dec	-72.052313	-72.06664382112393	Alternating exposures requested	N	N
Pointing Roll	298.162483	298.4434557182057	Primary exposure time	0.000000	3.2
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	93314897.184000	93314521.58596399			
Observation start date	2000-12-16T00:47:13	2000-12-16T00:42:01			
Observation end time	93322097.184000	93322231.636259			
Observation end date	2000-12-16T02:47:13	2000-12-16T02:50:31			
Read mode	TIMED	TIMED			

2.3 Aspect



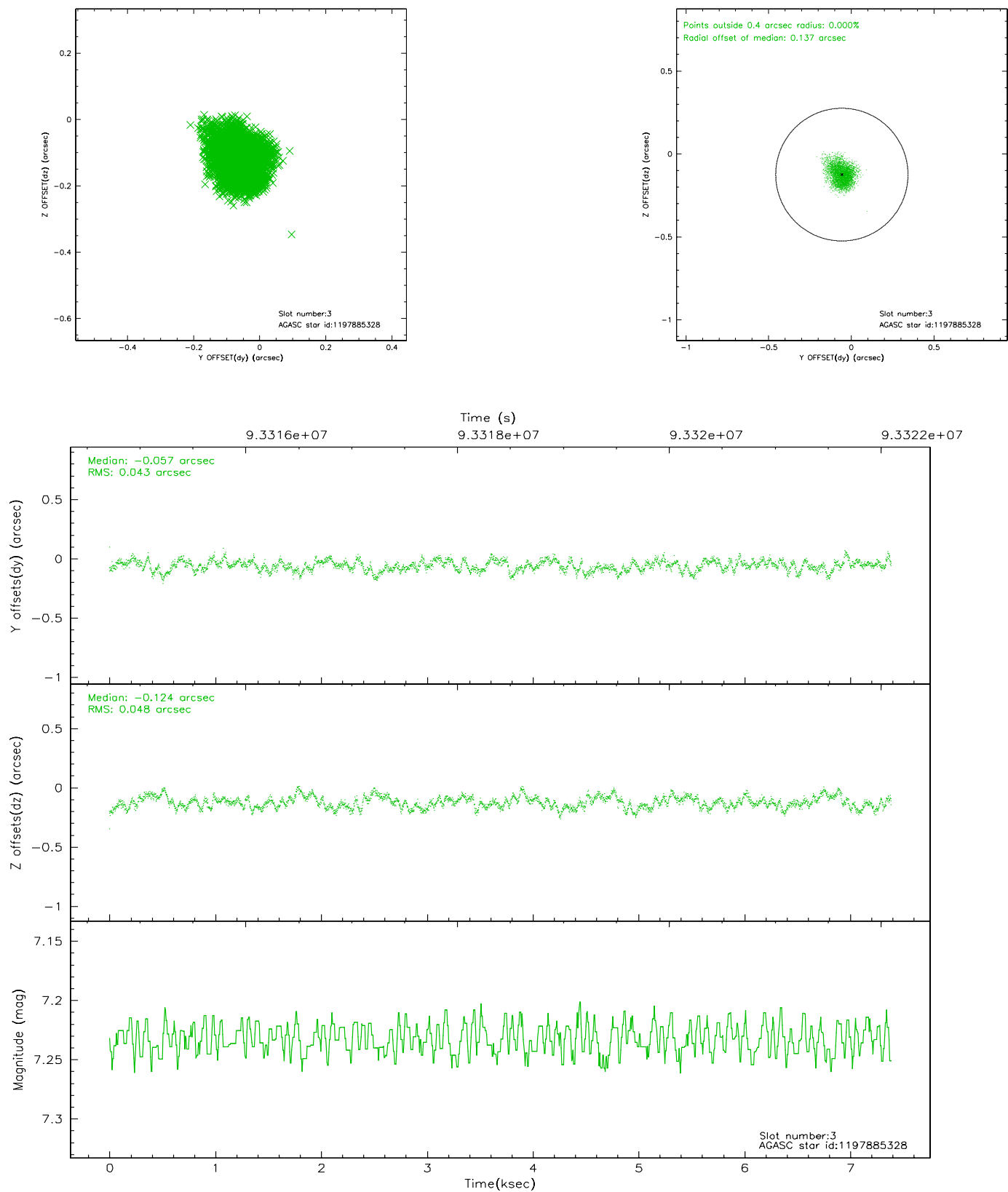


Slot Statistics

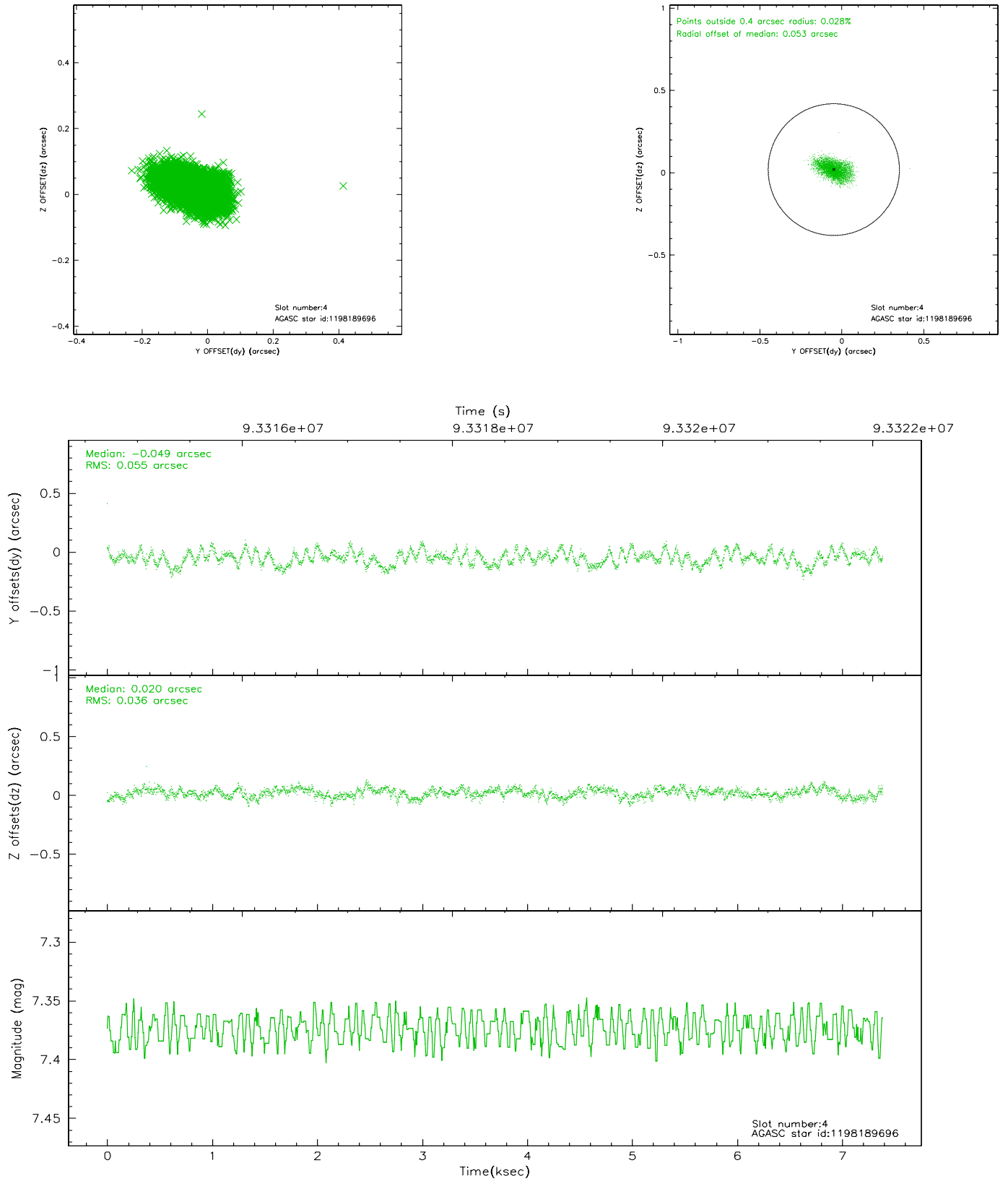
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.16	1802	-0.048	0.027	0.006	0.009	0.000000	0.000000	-756.24	-836.54
1	FID	ACIS-I-4	7.18	1802	-0.049	0.051	0.007	0.012	0.000000	0.000000	2157.42	1069.35
2	FID	ACIS-I-6	7.26	1802	-0.003	-0.014	0.009	0.017	0.000000	0.000000	404.81	1712.30
3	GUIDE	1197885328	7.23	3604	-0.057	-0.124	0.069	0.108	16.283090	-71.733943	-973.19	610.38
4	GUIDE	1198189696	7.37	3604	-0.049	0.020	0.070	0.115	15.223750	-72.697522	1555.59	-2033.93
5	GUIDE	1197884536	8.50	3604	0.006	0.033	0.070	0.113	17.160729	-71.835289	-179.15	1301.79
6	GUIDE	1197884712	8.29	3605	0.117	0.000	0.071	0.107	16.087398	-72.252690	571.19	-461.73
7	GUIDE	1197878768	9.60	3604	-0.020	0.081	0.203	0.314	16.656786	-71.304581	-2129.93	1720.70

2.4 Star Slots

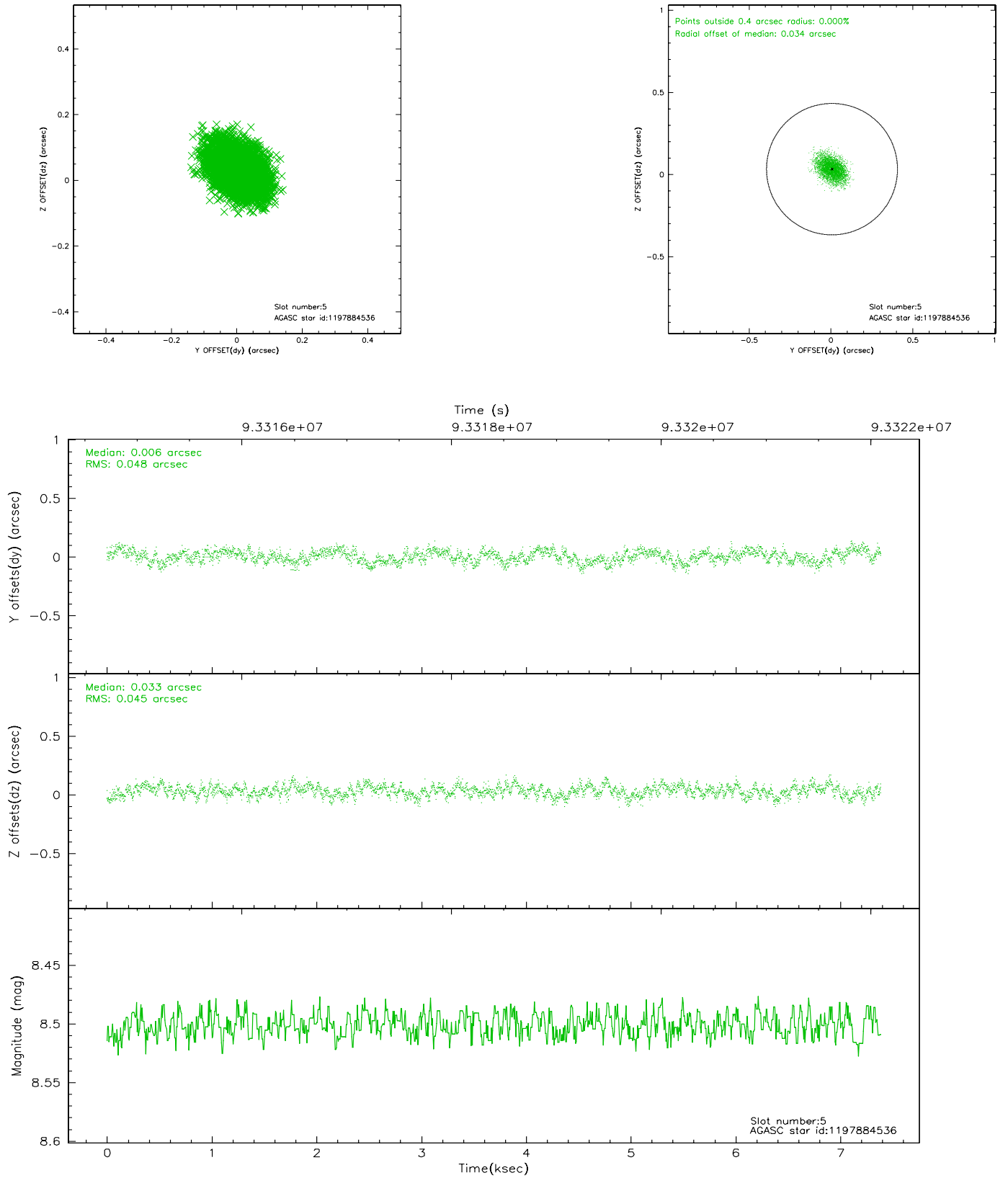
2.4.1 Slot 3



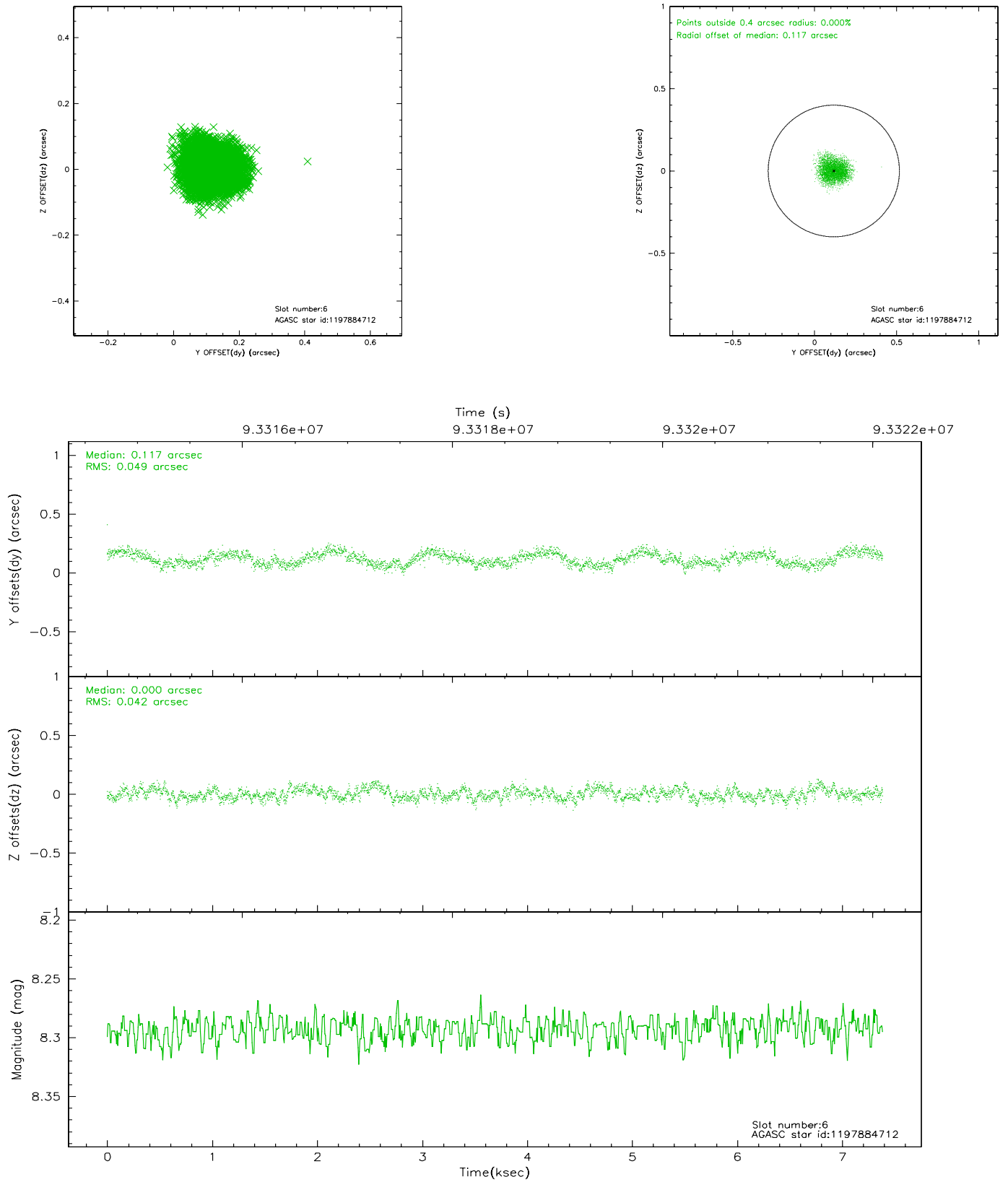
2.4.2 Slot 4



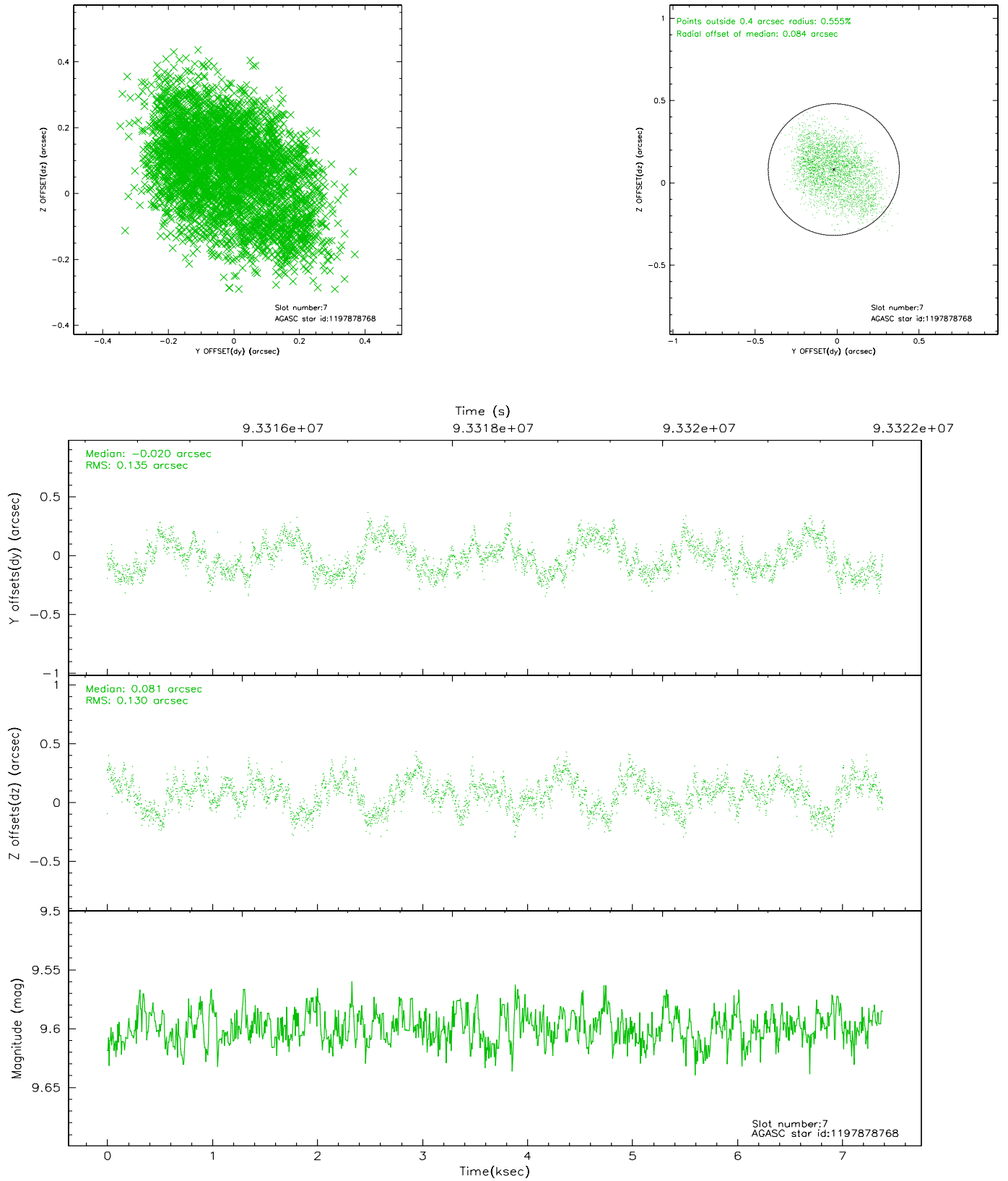
2.4.3 Slot 5



2.4.4 Slot 6

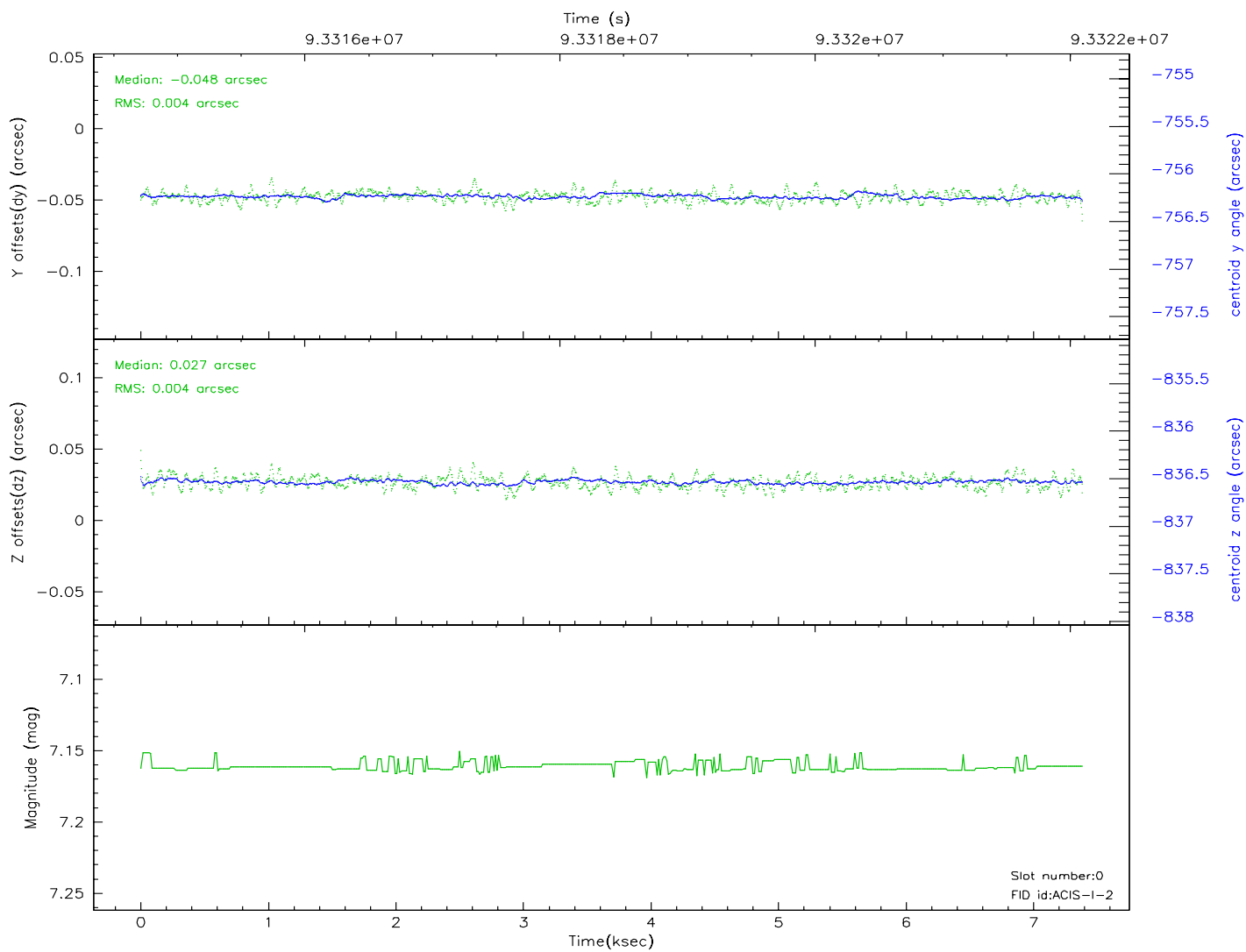
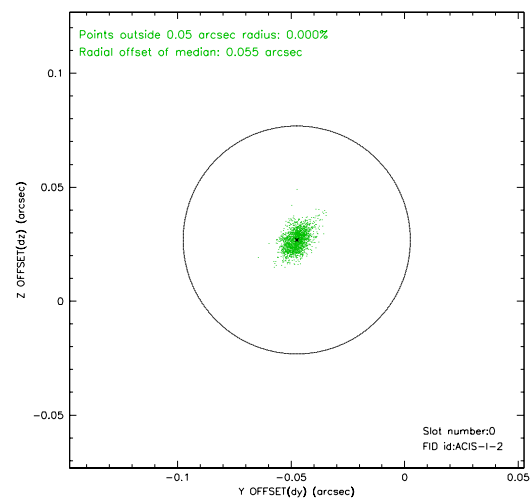
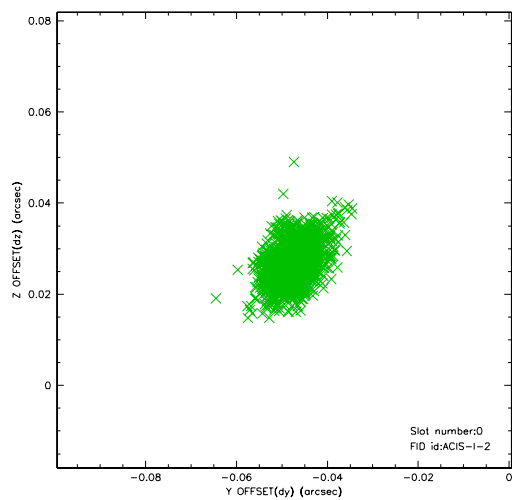


2.4.5 Slot 7

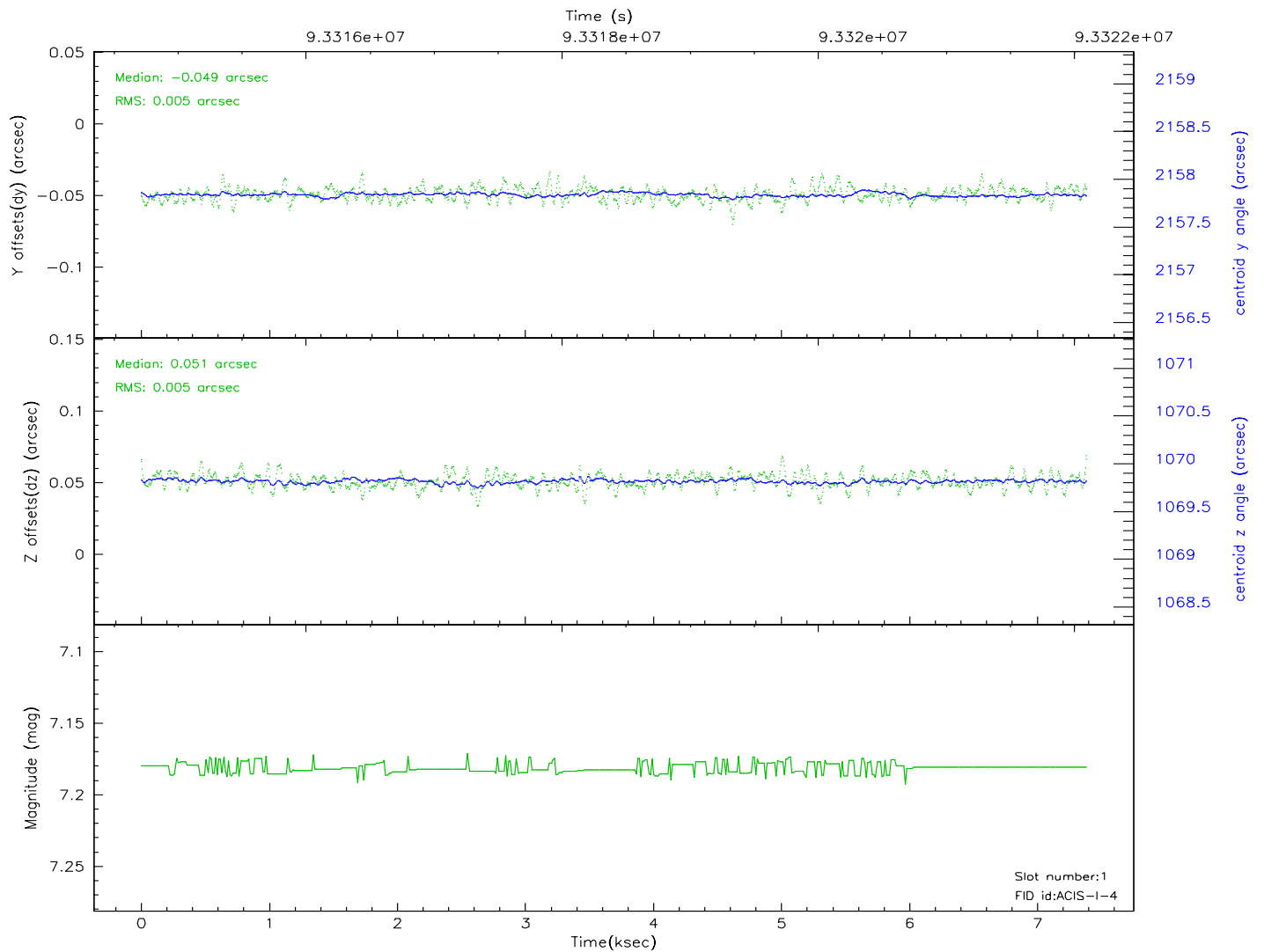
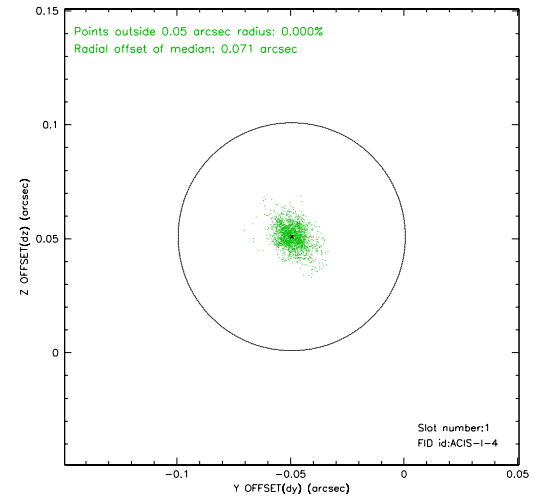
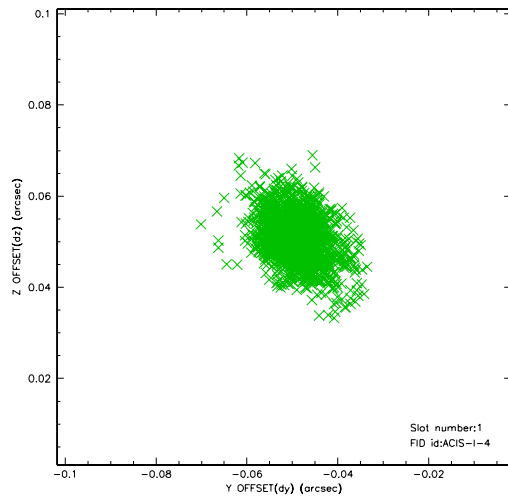


2.5 FID Slots

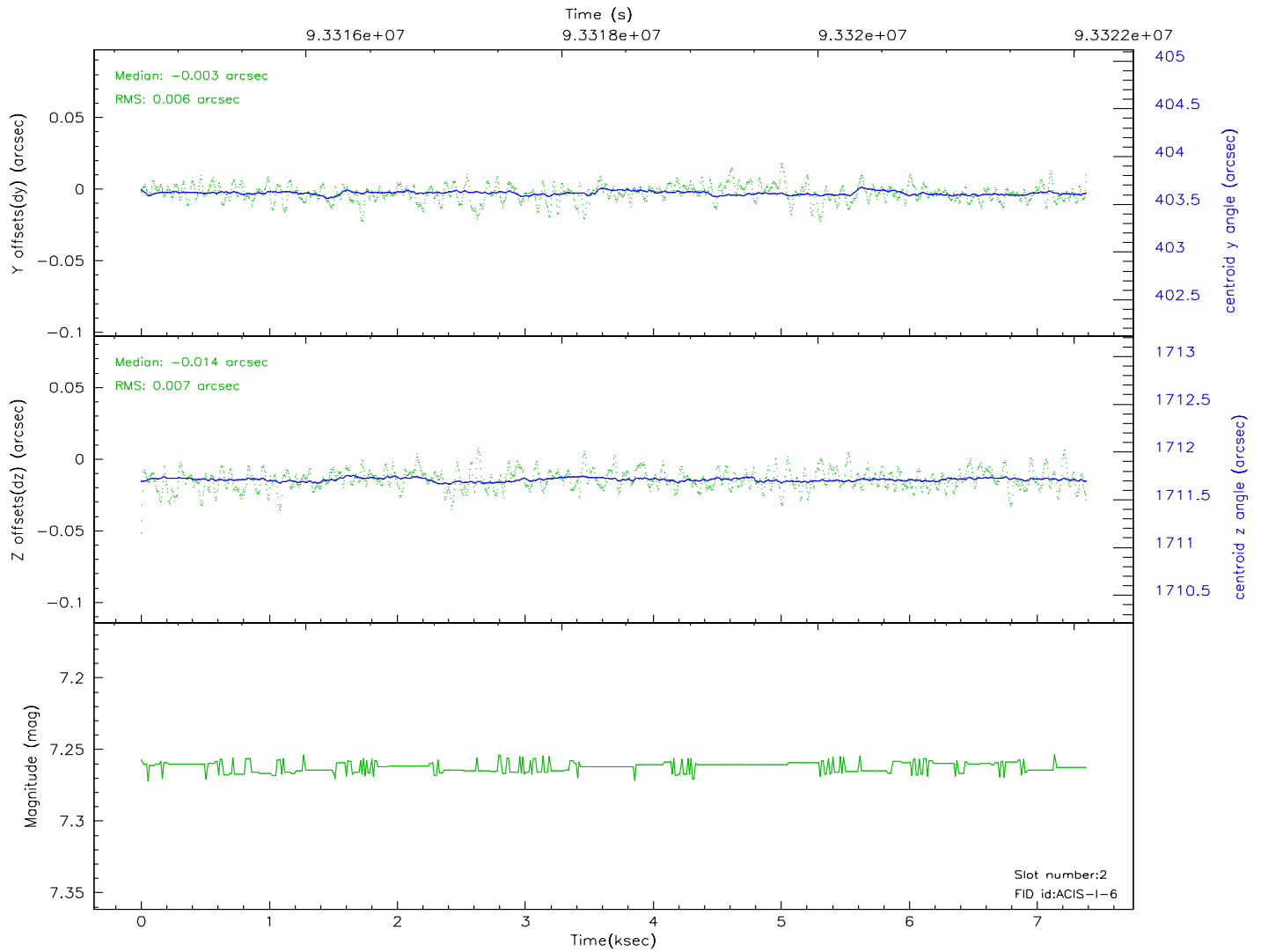
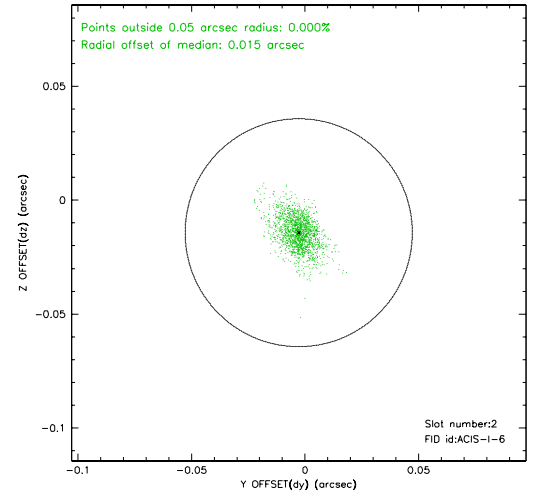
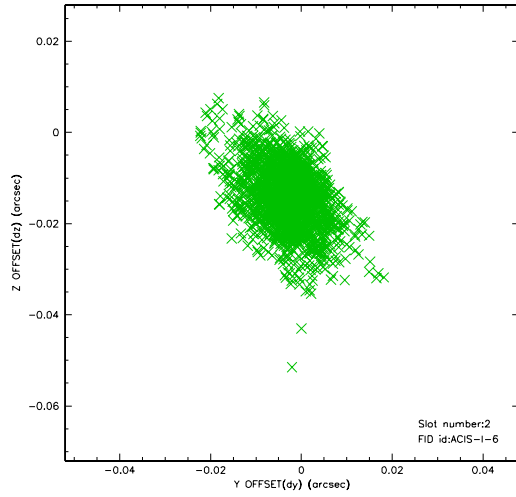
2.5.1 Slot 0



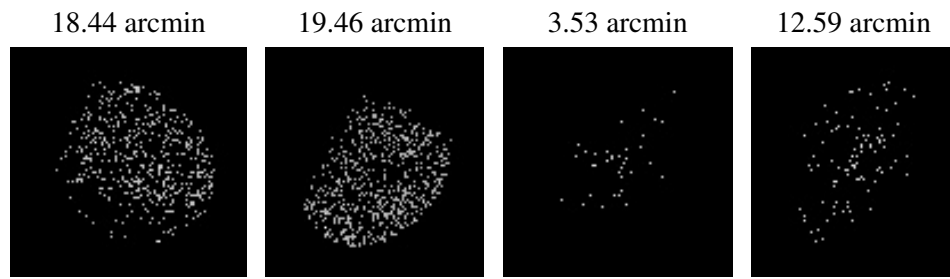
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.07.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7

A.2 Comments

Window constraint met.