

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 1911 - L2 Version 001
Chandra X-Ray Center

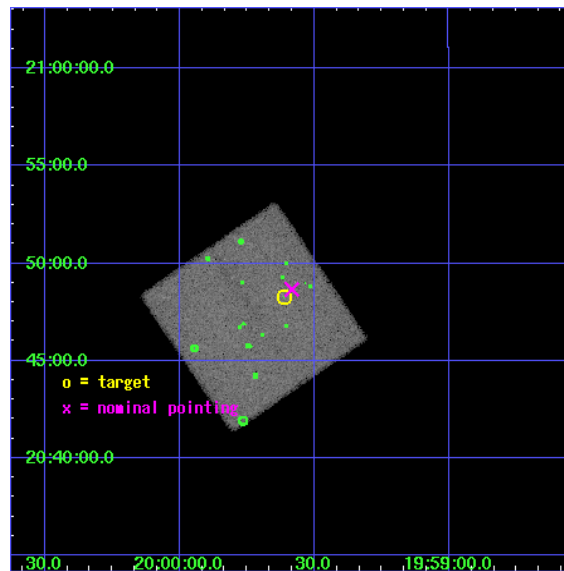
L2 Processing Date : Dec 8 2006

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1 Front

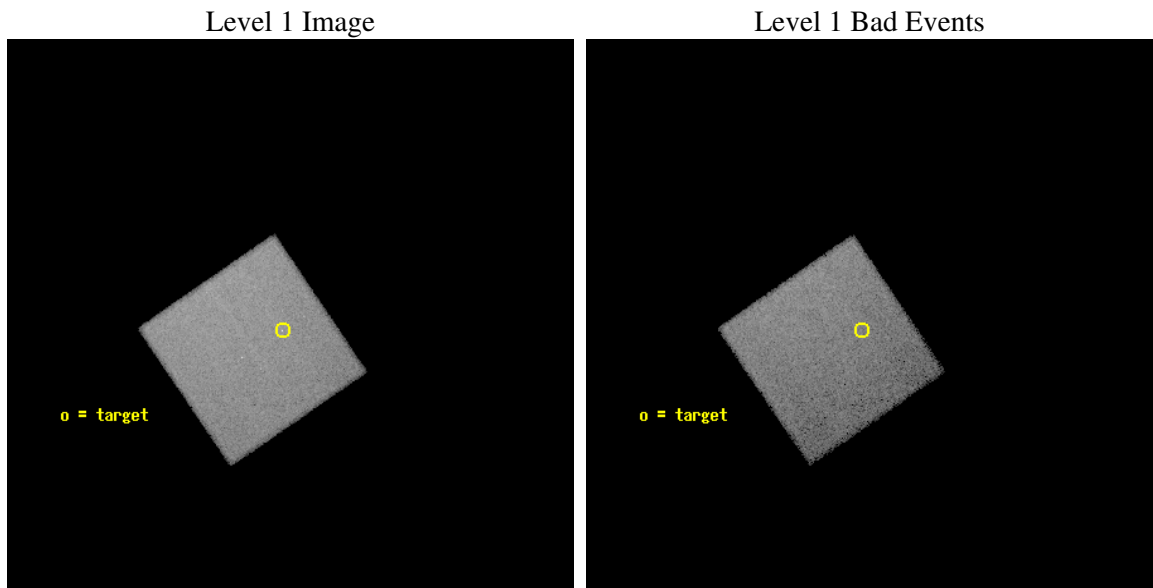
seq_num	400124
obs_id	1911
title	THE X-RAY EMISSION ASSOCIATED WITH THE BLACK WIDOW PULSAR B1957+20
observer	Dr BENJAMIN STAPPERS
object	PSR B1957+20
dtcycle	0
cycle	P
ra_targ	299.903333
dec_targ	20.804194
ra_nom	299.8958976372
dec_nom	20.811049089979
roll_nom	145.660966753
revision	2
ontime	43170.0
livetime	42587.404309052
ontime7	43170.0
l2events	132873



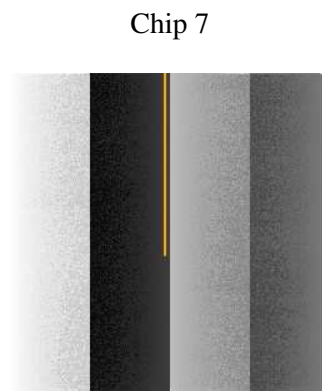
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.4
date	2006-12-08T11:58:15
revision	2

sched_exp_time	43000.000000
ontime	43857.337020755
ontime7	43857.337020755
l1events	358488

2.1.4 Events

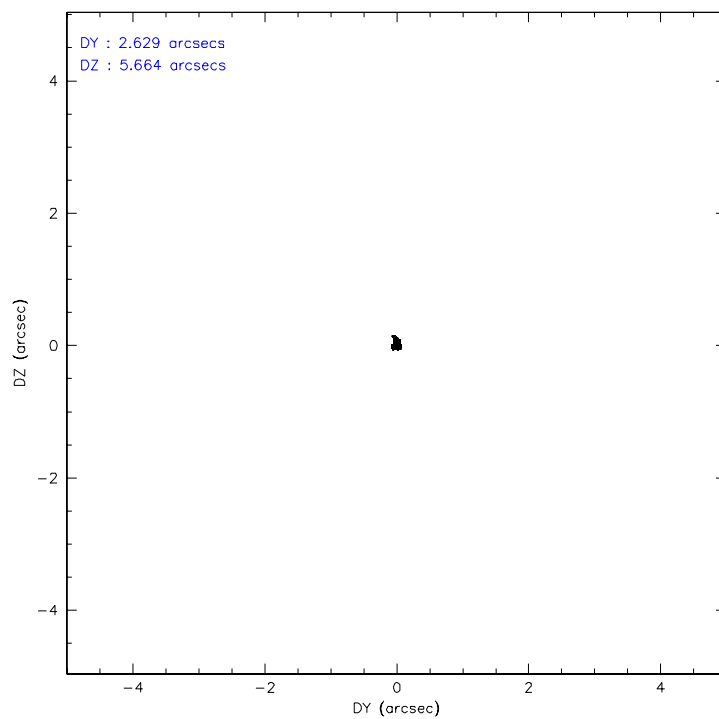
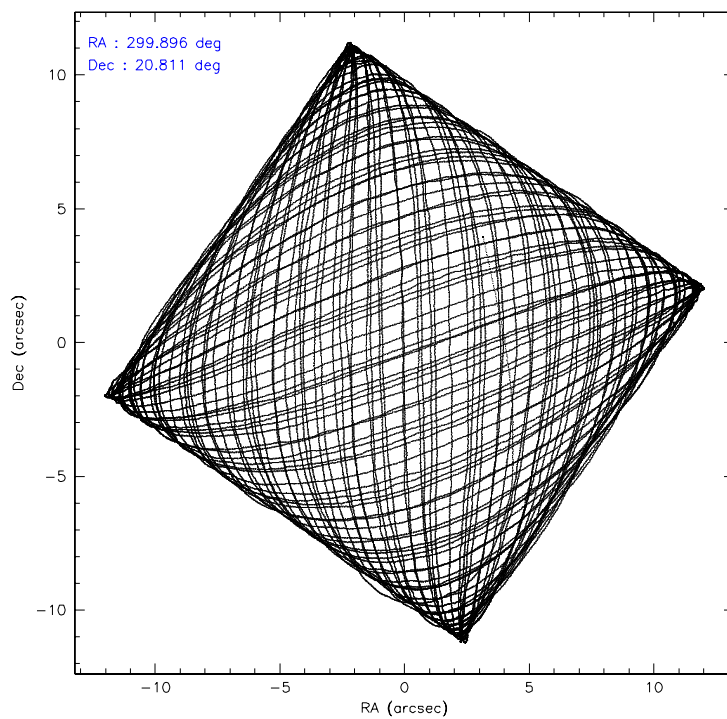
	ccd 7
level 1 events	358488
rejected events	221893
rejected %	61%

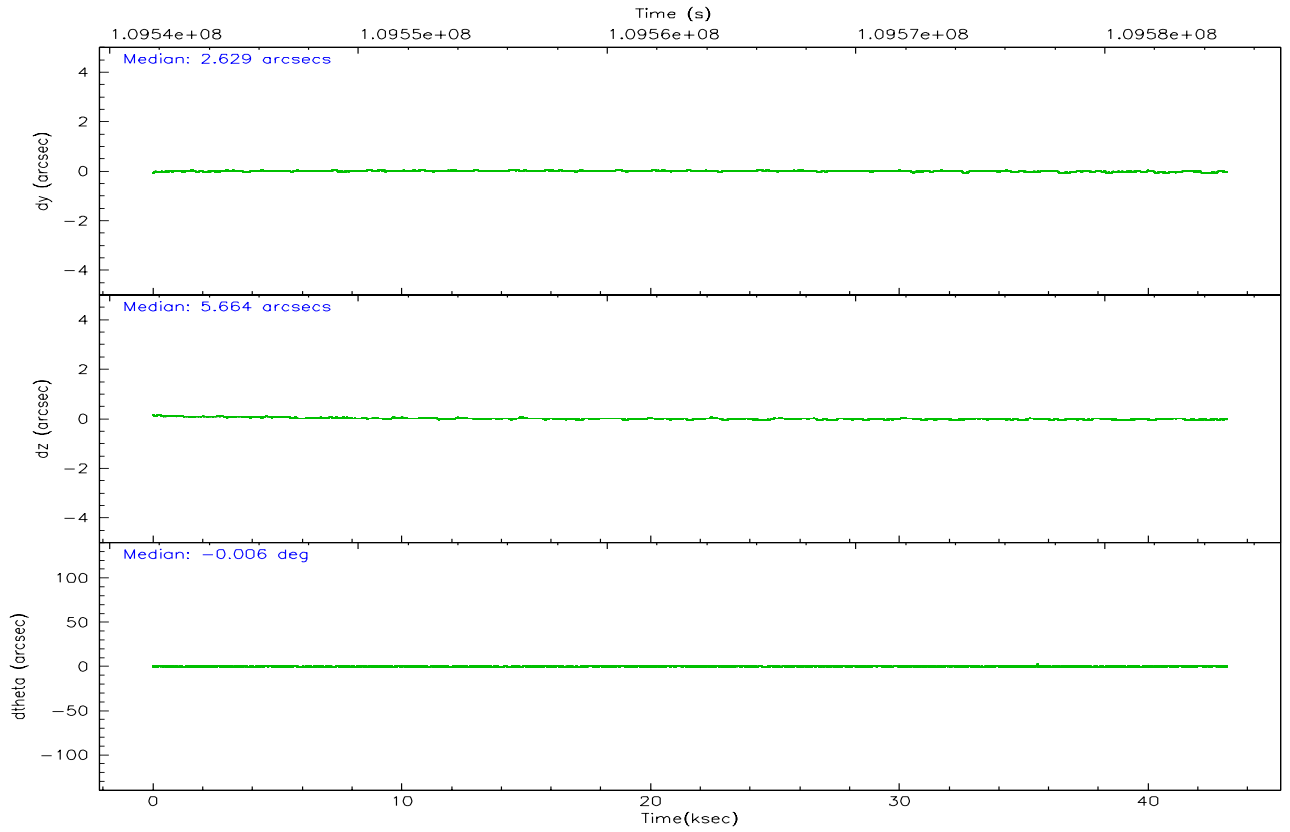
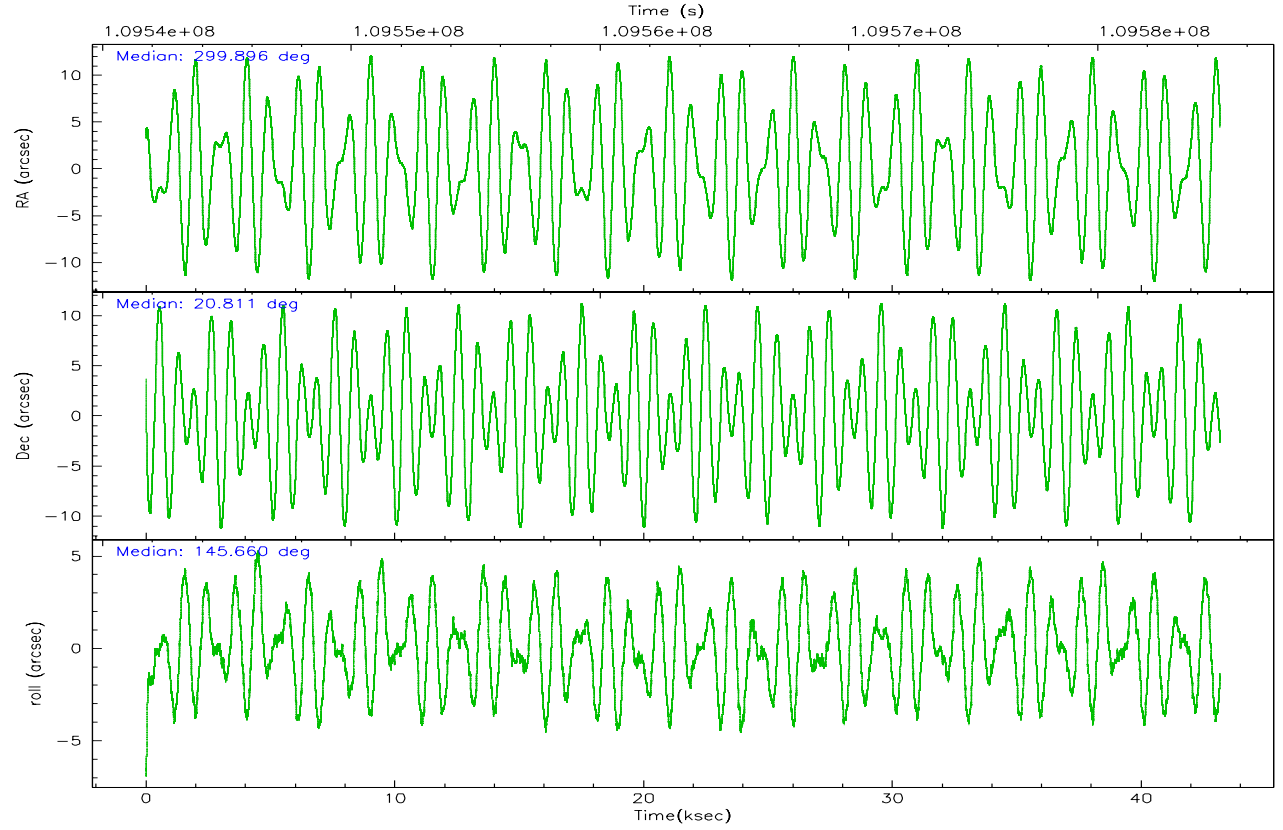
	ccd 7
grade 0 events	8087
	2%
grade 1 events	204
	0%
grade 2 events	34137
	9%
grade 3 events	7472
	2%
grade 4 events	7355
	2%
grade 5 events	23770
	6%
grade 6 events	81733
	22%
grade 7 events	195730
	54%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	299.925025	299.8958976371955	Subarray requested	NONE	NONE
Pointing Dec	20.809268	20.81104908997905	Alternating exposures requested	N	N
Pointing Roll	145.493989	145.6609667529959	Primary exposure time	0.000000	3
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			
Phase constraints	Y	Y			
Phase period	0.381967	0.381967			
Phase epoch	51695.677000	51695.677000			
Phase start	0.000000	0.000000			
Phase end	1.000000	1.000000			
Phase start error	0.004000	0.004000			
Phase end error	0.004000	0.004000			
Observation start time	109541923.184000	109540851.33826			
Observation start date	2001-06-21T20:17:39	2001-06-21T20:00:51			
Observation end time	109584923.184000	109585690.99001			
Observation end date	2001-06-22T08:14:19	2001-06-22T08:28:10			
Read mode	TIMED	TIMED			

2.3 Aspect



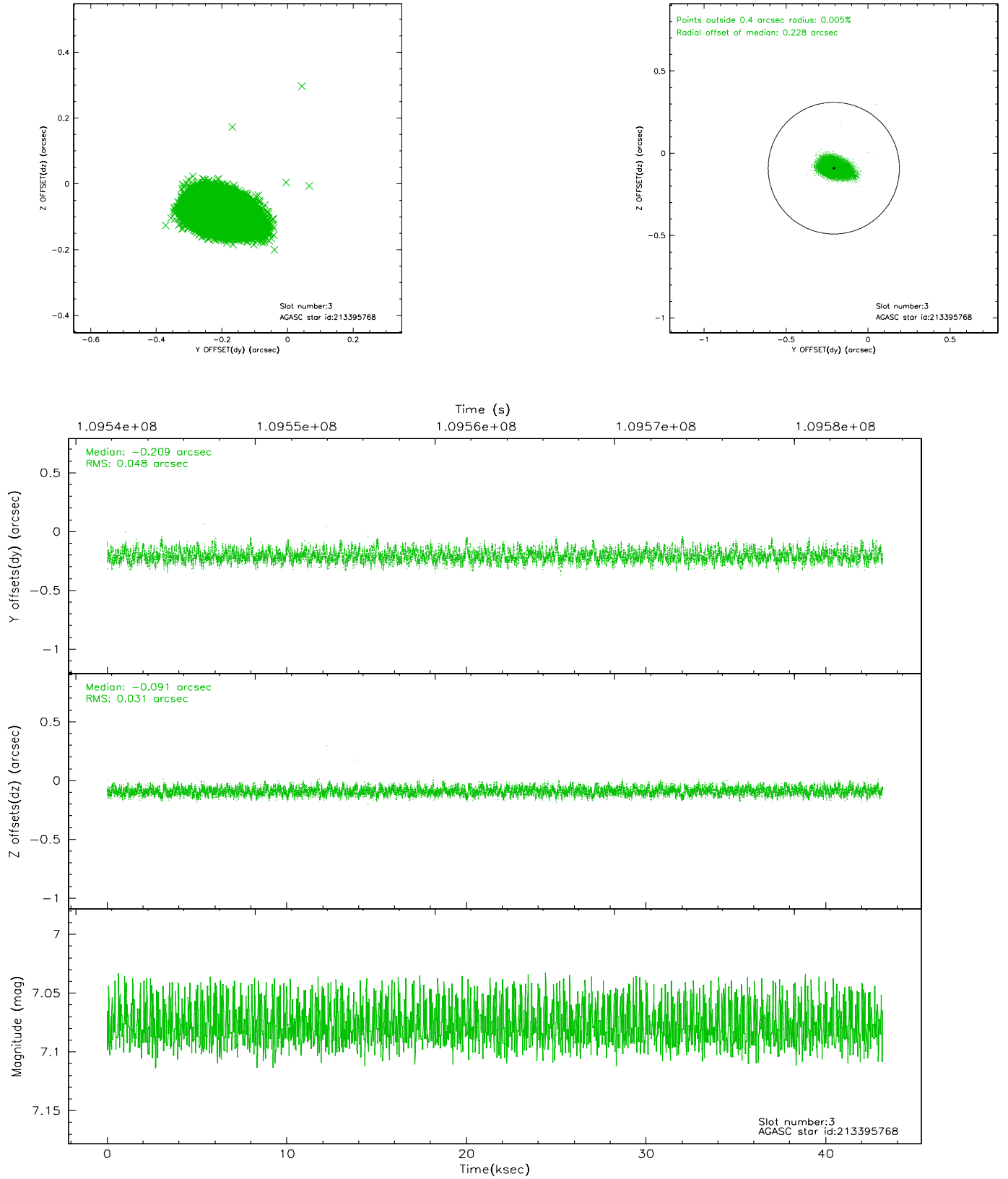


Slot Statistics

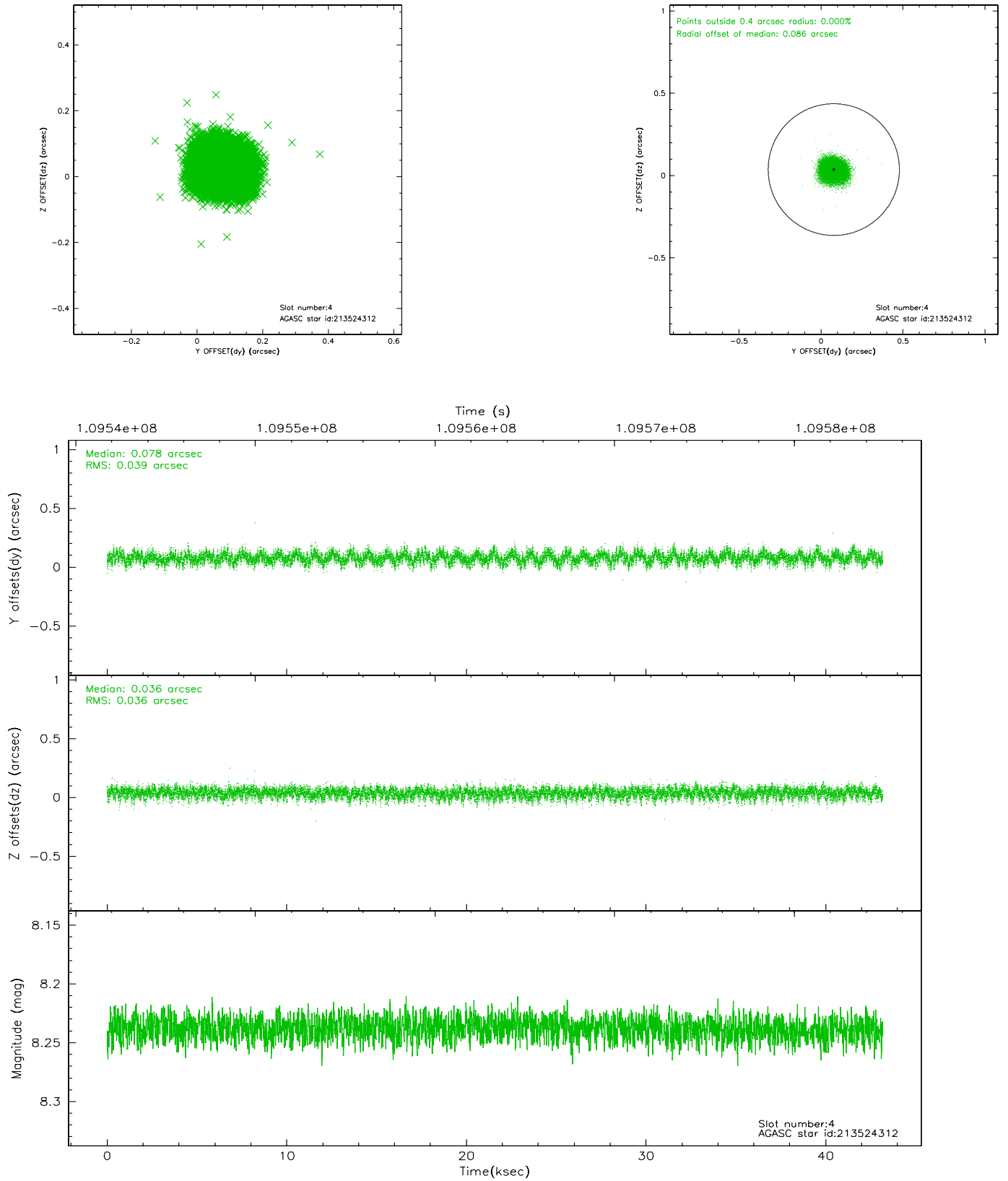
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	10530	-0.028	0.020	0.007	0.011	0.000000	0.000000	-755.24	-1726.80
1	FID	ACIS-S-4	7.20	10529	-0.060	0.008	0.005	0.009	0.000000	0.000000	2157.95	181.74
2	FID	ACIS-S-5	7.24	10531	0.057	-0.019	0.006	0.010	0.000000	0.000000	-1808.04	175.28
3	GUIDE	213395768	7.08	21061	-0.209	-0.091	0.060	0.101	299.251745	20.998311	2252.42	717.42
4	GUIDE	213524312	8.24	21058	0.078	0.036	0.057	0.092	300.425493	20.643719	-1725.63	-465.85
5	GUIDE	213394576	8.84	21052	-0.070	0.034	0.060	0.099	299.988068	21.244541	712.96	-1410.86
6	GUIDE	213519648	8.86	21057	0.100	-0.002	0.074	0.120	300.574432	20.926477	-1558.12	-1588.24
7	GUIDE	212995912	8.89	21054	0.097	0.024	0.076	0.120	300.416450	20.615203	-1759.16	-364.21

2.4 Star Slots

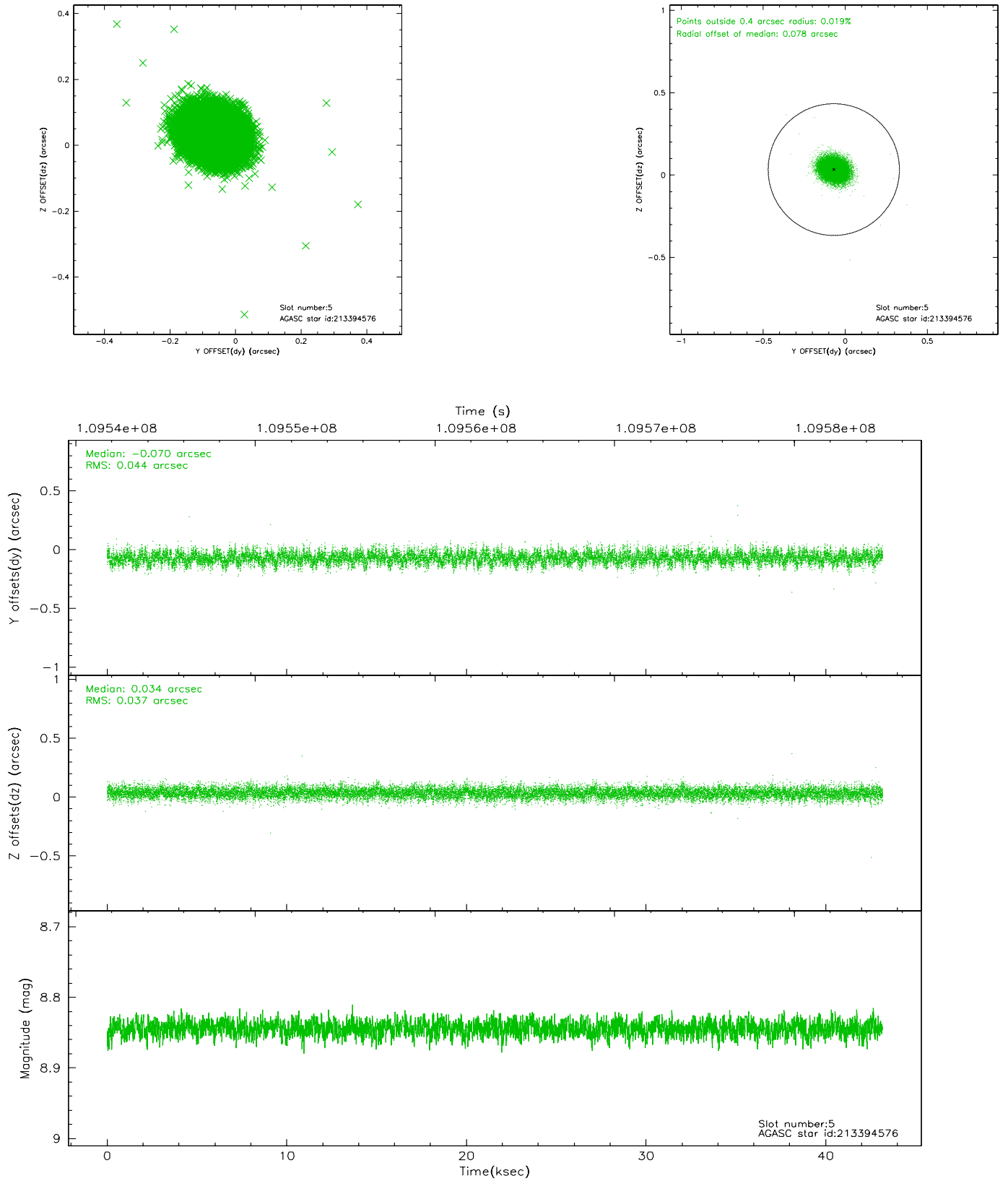
2.4.1 Slot 3



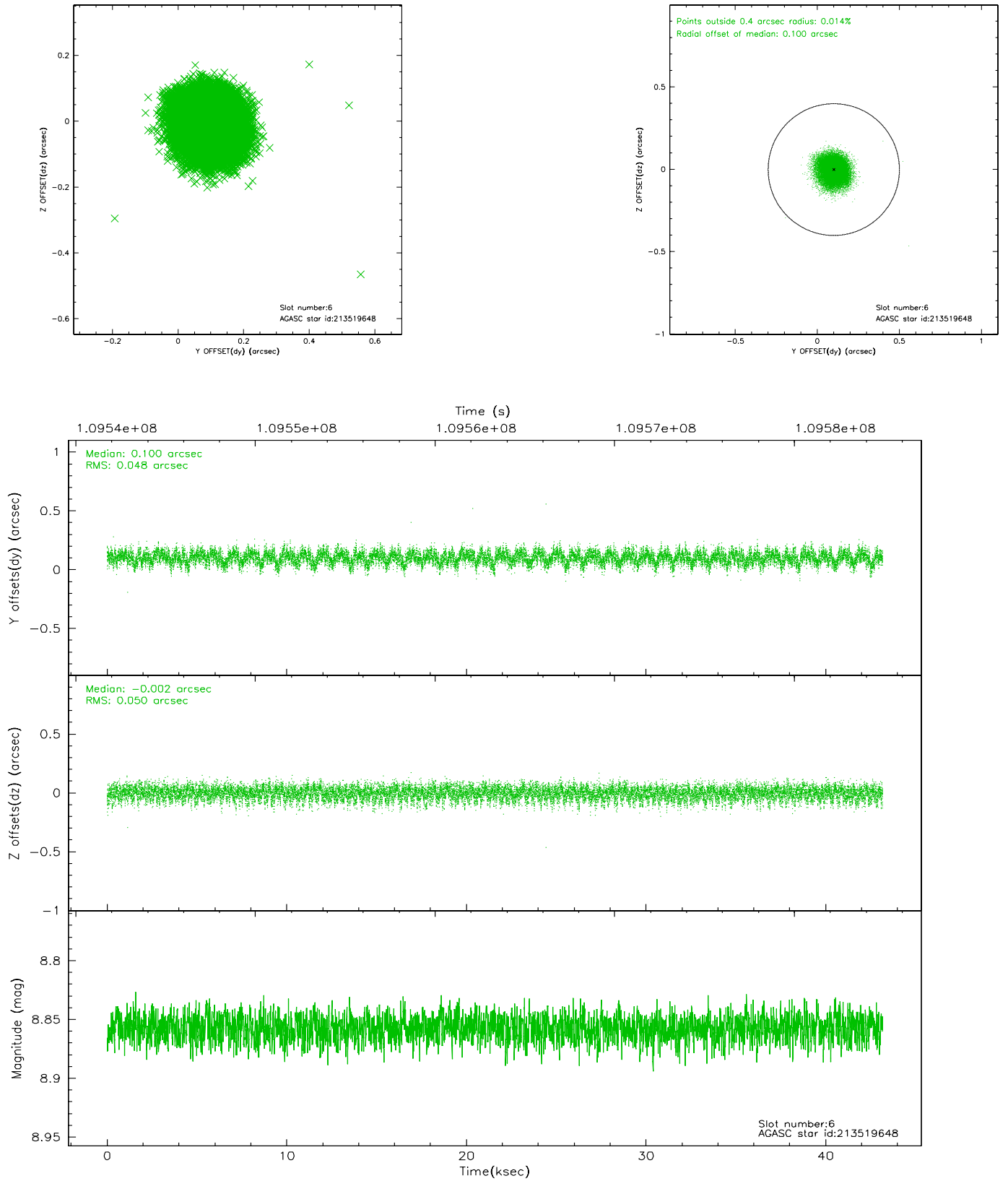
2.4.2 Slot 4



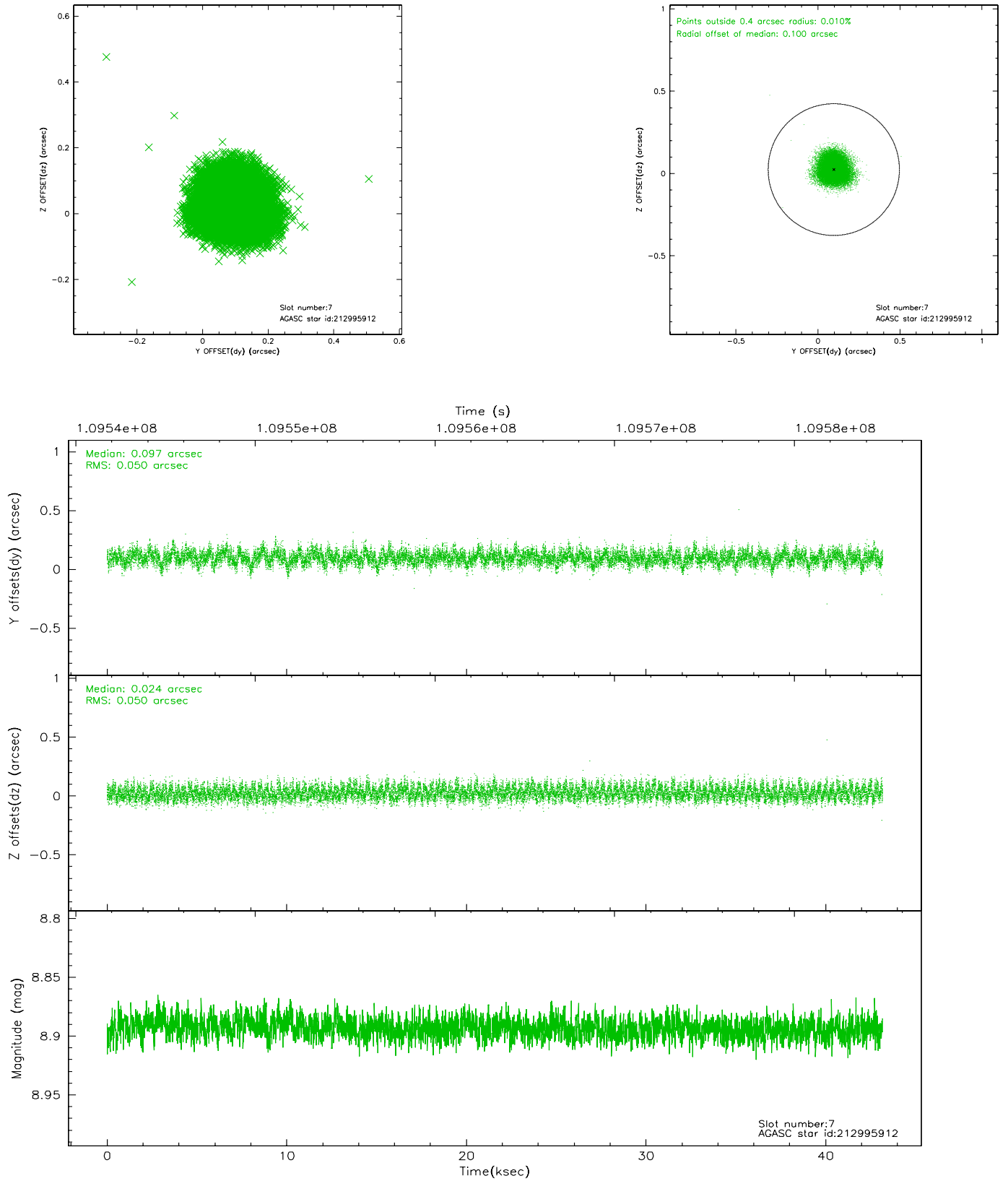
2.4.3 Slot 5



2.4.4 Slot 6

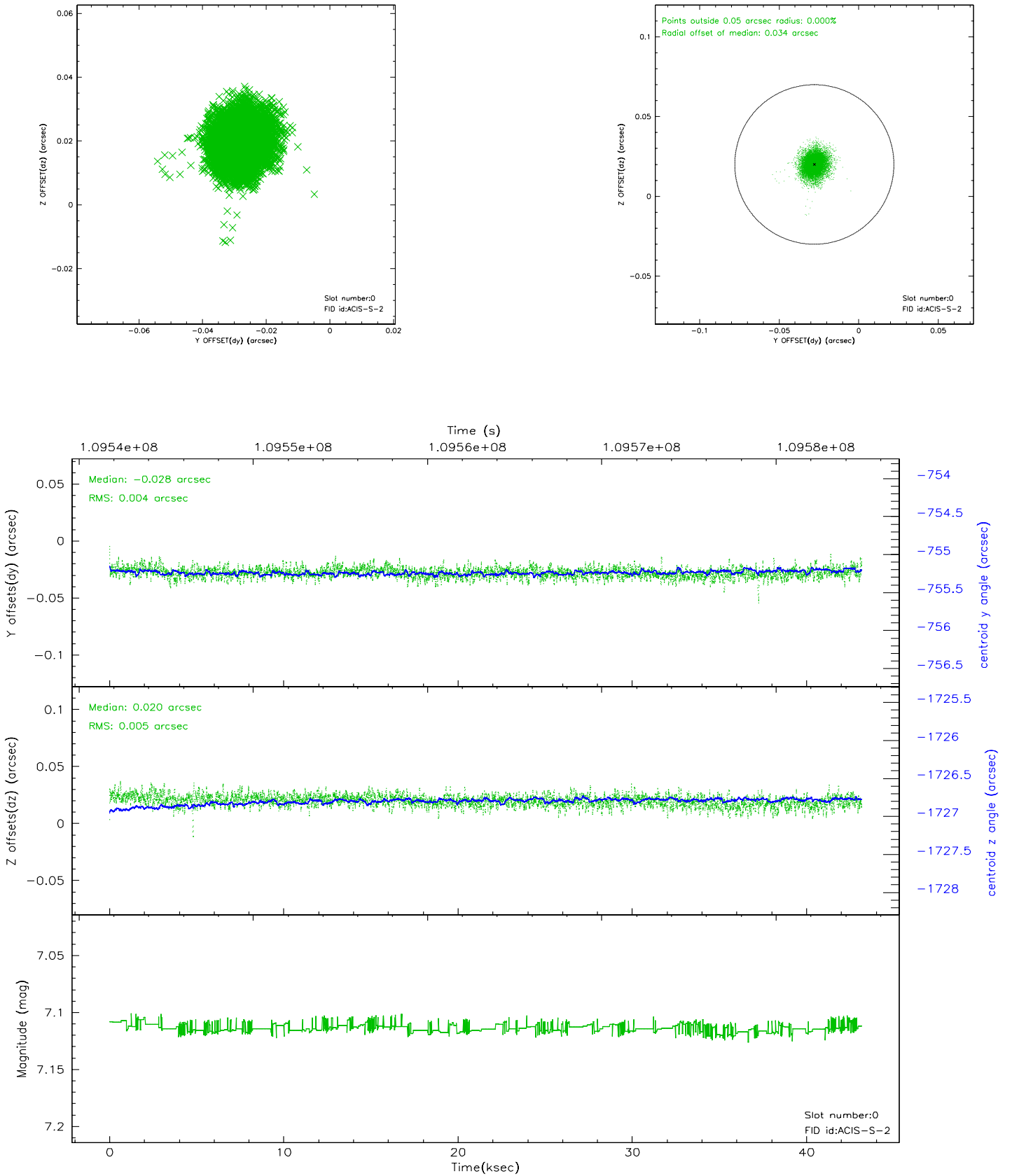


2.4.5 Slot 7

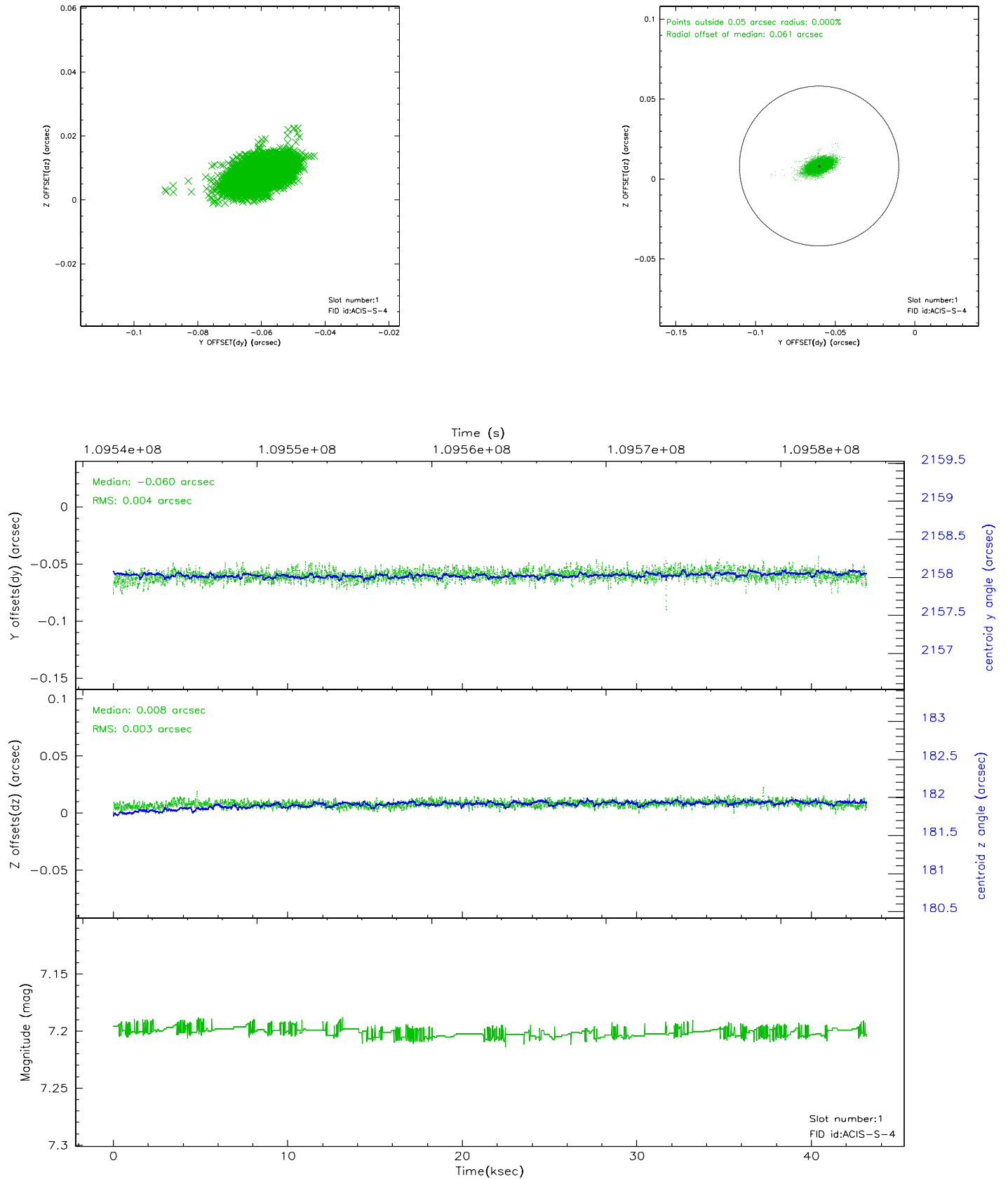


2.5 FID Slots

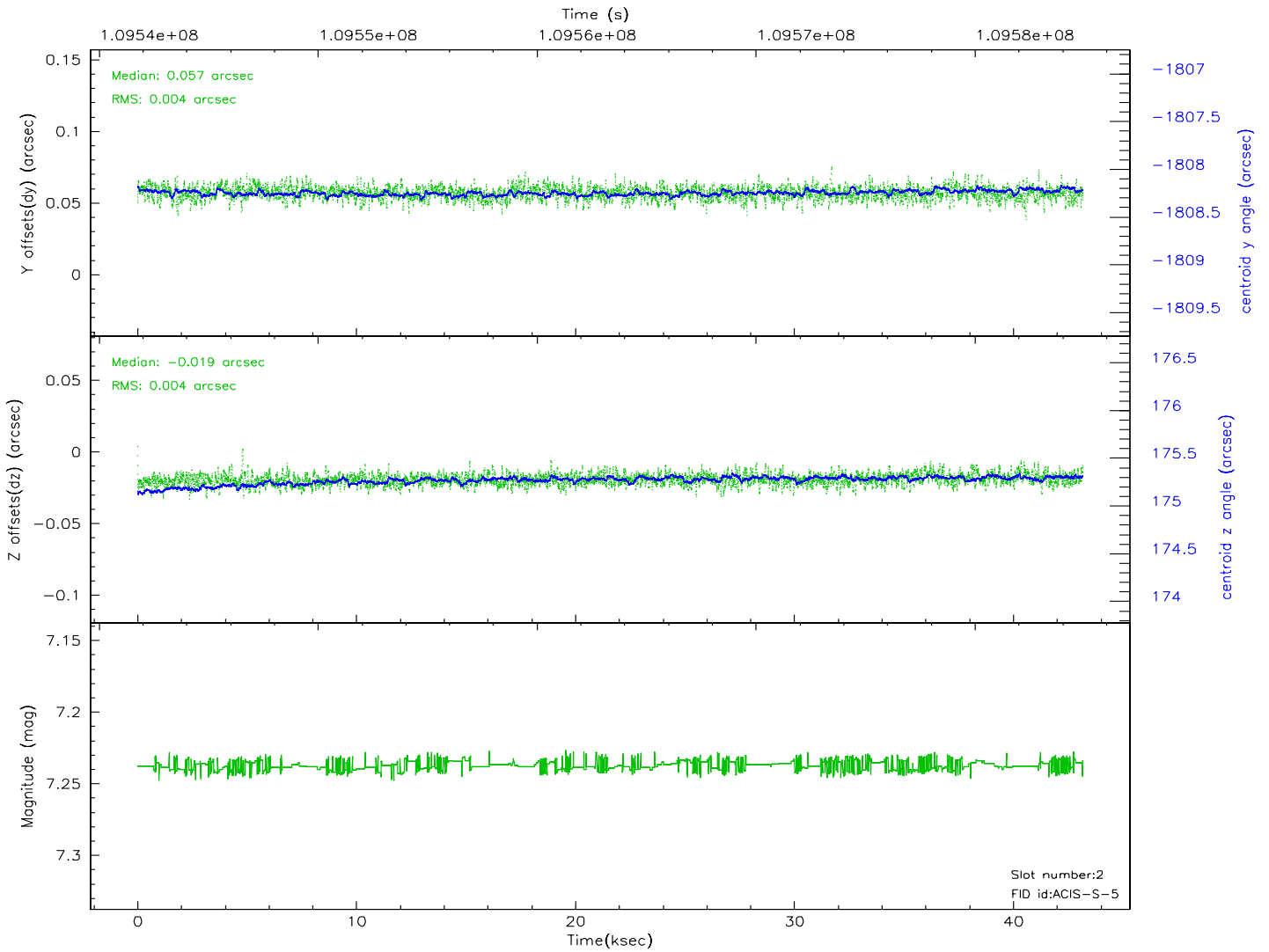
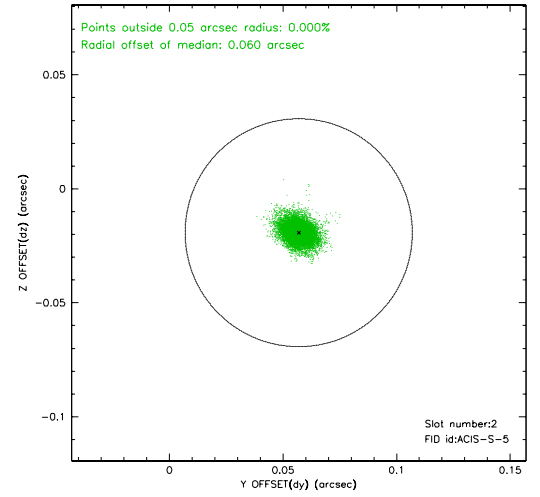
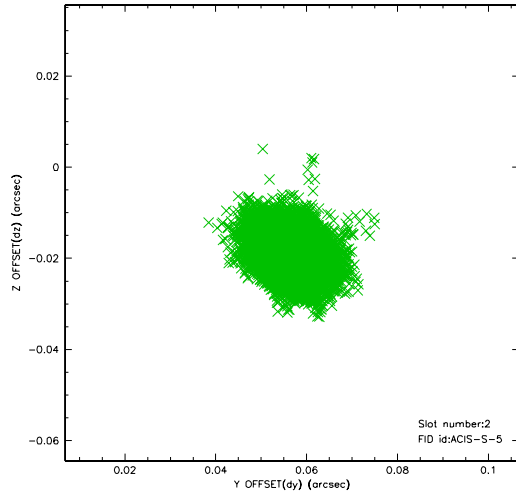
2.5.1 Slot 0



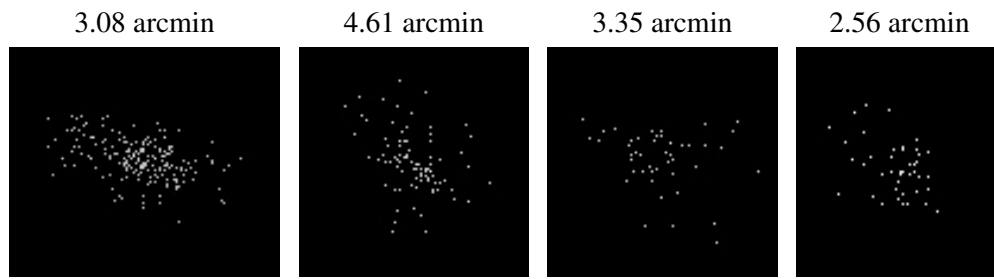
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2006.12.28
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	43.2

A.2 Comments

This observation is part of a series of observations to cover a little more than one full period of the binary orbit, with at least 2 eclipses included.