

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3485 - L2 Version 3
Chandra X-Ray Center

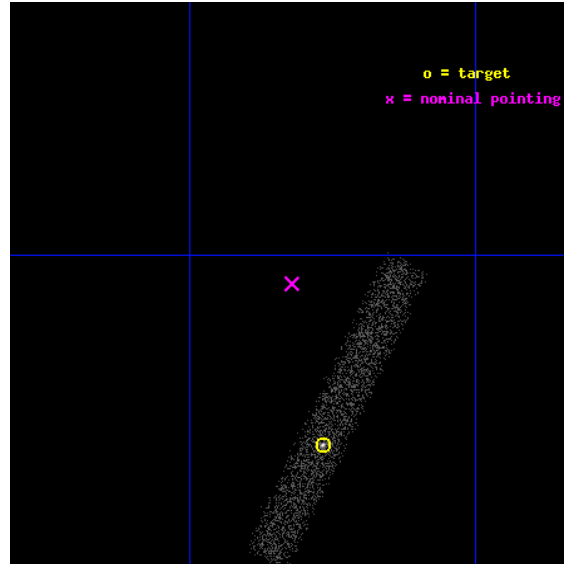
L2 Processing Date : Oct 8 2012

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1 Front

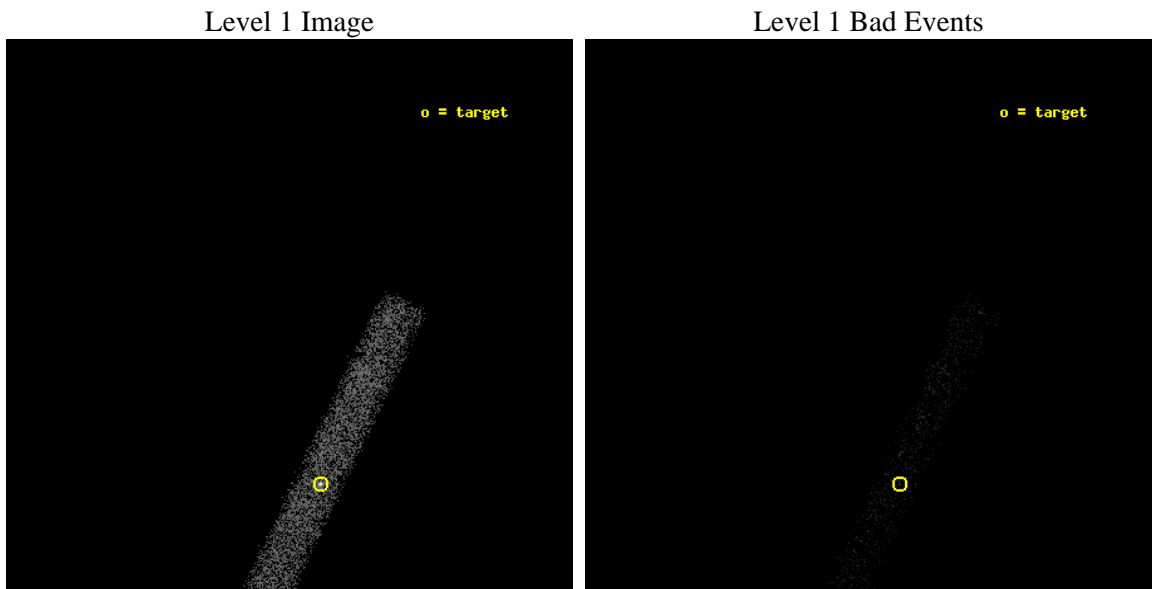
seq_num	400251	Sequence number
obs_id	3485	Observation id
title	VARIABLE THERMAL EMISSION AND FEATURE FROM AQL X-1 IN QUIESCENCE	P
observer	Prof. Robert Rutledge	Principal investigator
object	AQL X-1	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	287.816667	Observer's specified target RA [deg]
dec_targ	0.585	Observer's specified target Dec [deg]
ra_nom	287.83032187186	Nominal RA [deg]
dec_nom	0.65440934465112	Nominal Dec [deg]
roll_nom	115.59582544683	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7671.9590941966	Sum of GTIs [s]
livetime	6958.0619392314	Livetime [s]
ontime7	7671.9590941966	Sum of GTIs [s]
l2events	4971	Number of level 2 events



2 OBI

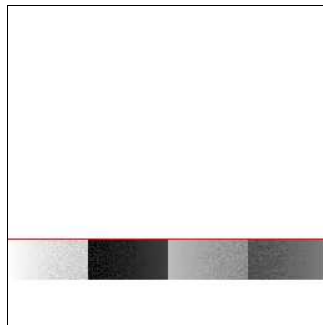
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7671.9590941966	Sum of GTIs [s]
caldsver	4.5.2	 	ontime7	7671.9590941966	Sum of GTIs [s]
date	2012-10-08T05:41:11	Date and time of file creation	l1events	9830	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

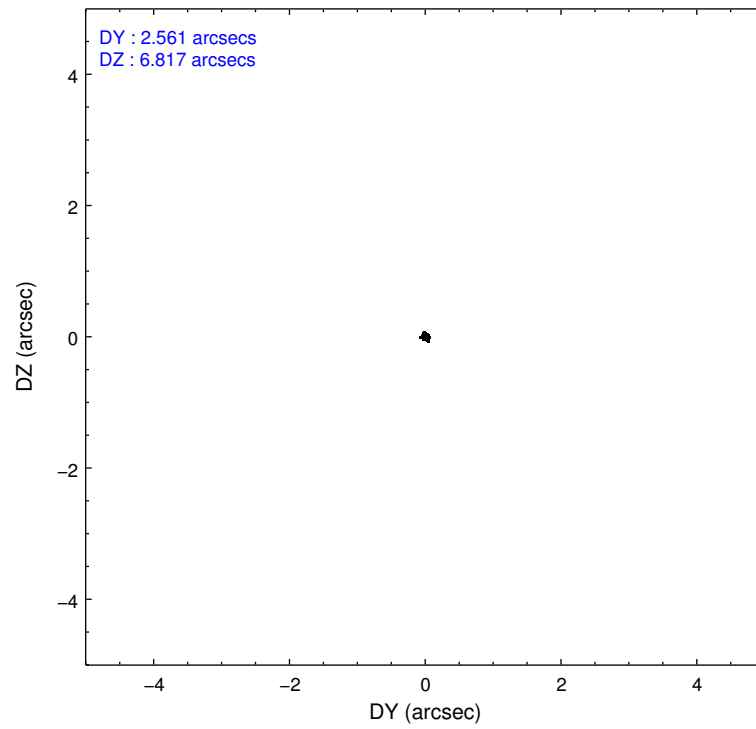
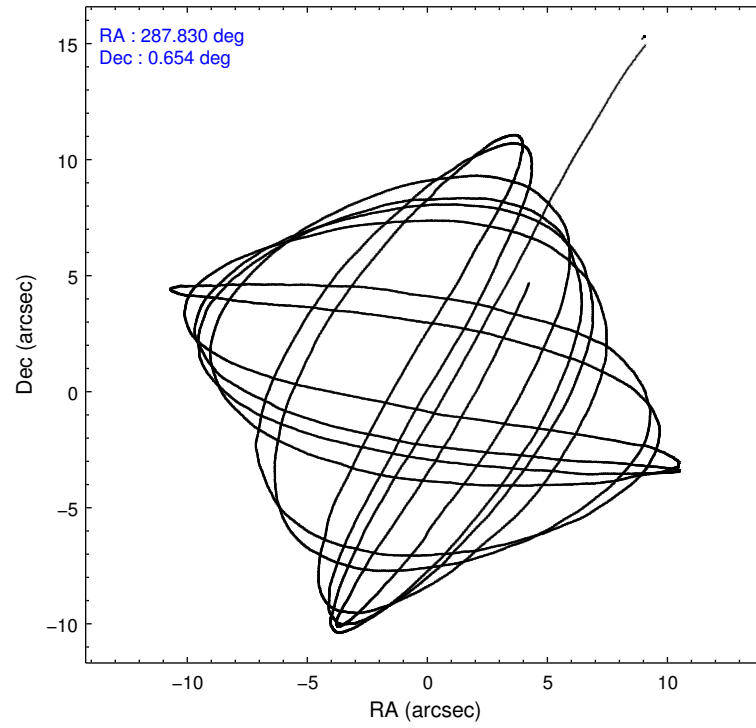
	ccd 7
level 1 events	9830
rejected events	4743
rejected %	48%

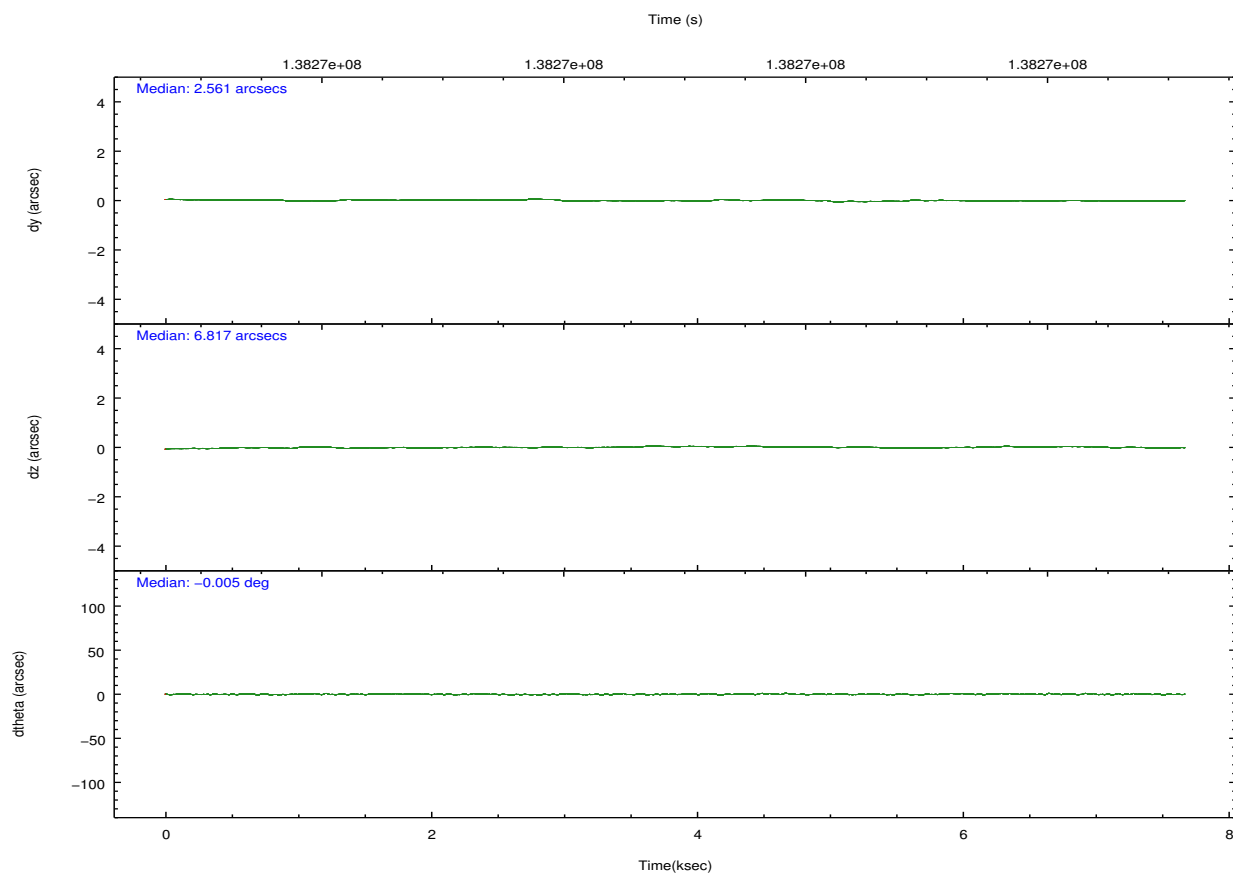
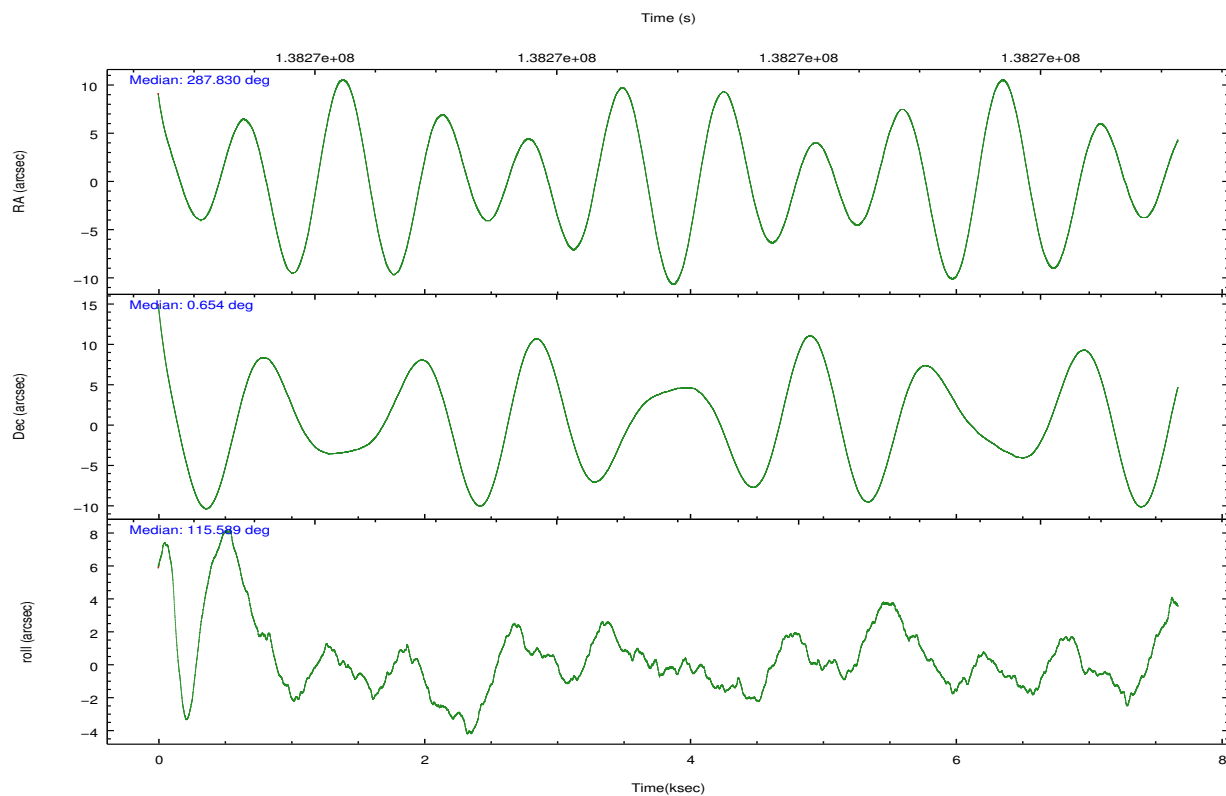
	ccd 7
grade 0 events	784
	7%
grade 1 events	10
	0%
grade 2 events	1078
	10%
grade 3 events	652
	6%
grade 4 events	631
	6%
grade 5 events	733
	7%
grade 6 events	2058
	20%
grade 7 events	3884
	39%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	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
[deg] Pointing RA	287.853006	287.8303218718574	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	0.639379	0.6544093446511192	Subarray start row	150	150
[deg] Pointing Roll	115.438941	115.5958254468318	Subarray row count	128	128
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	0.4
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	138267756.184000	138266551.79918			
Observation start date	2002-05-20T07:41:32	2002-05-20T07:22:31			
[s] Observation end time (MET)	138274756.184000	138275346.81204			
Observation end date	2002-05-20T09:38:12	2002-05-20T09:49:06			
Read mode	TIMED	TIMED			

2.3 Aspect



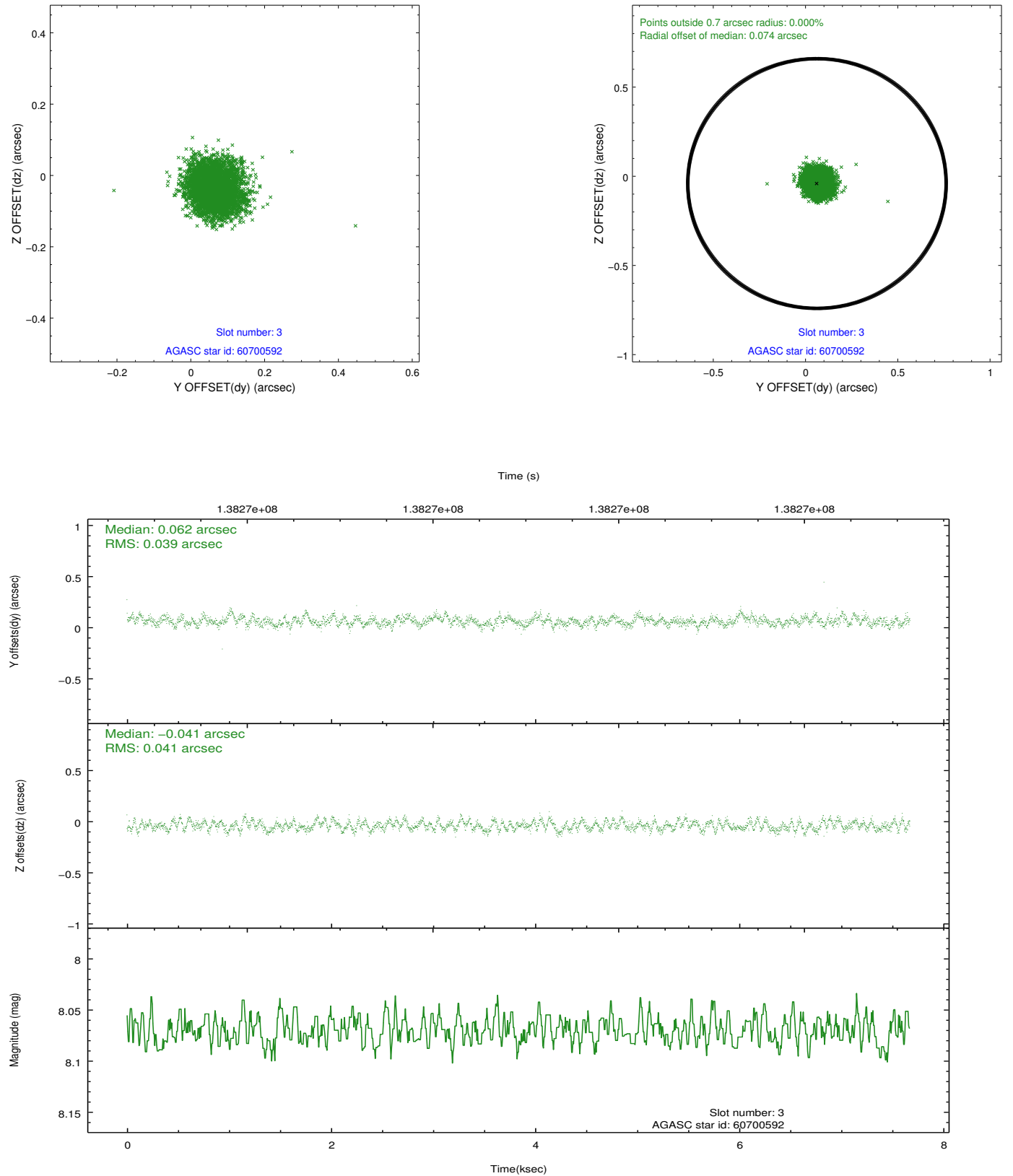


Slot Statistics

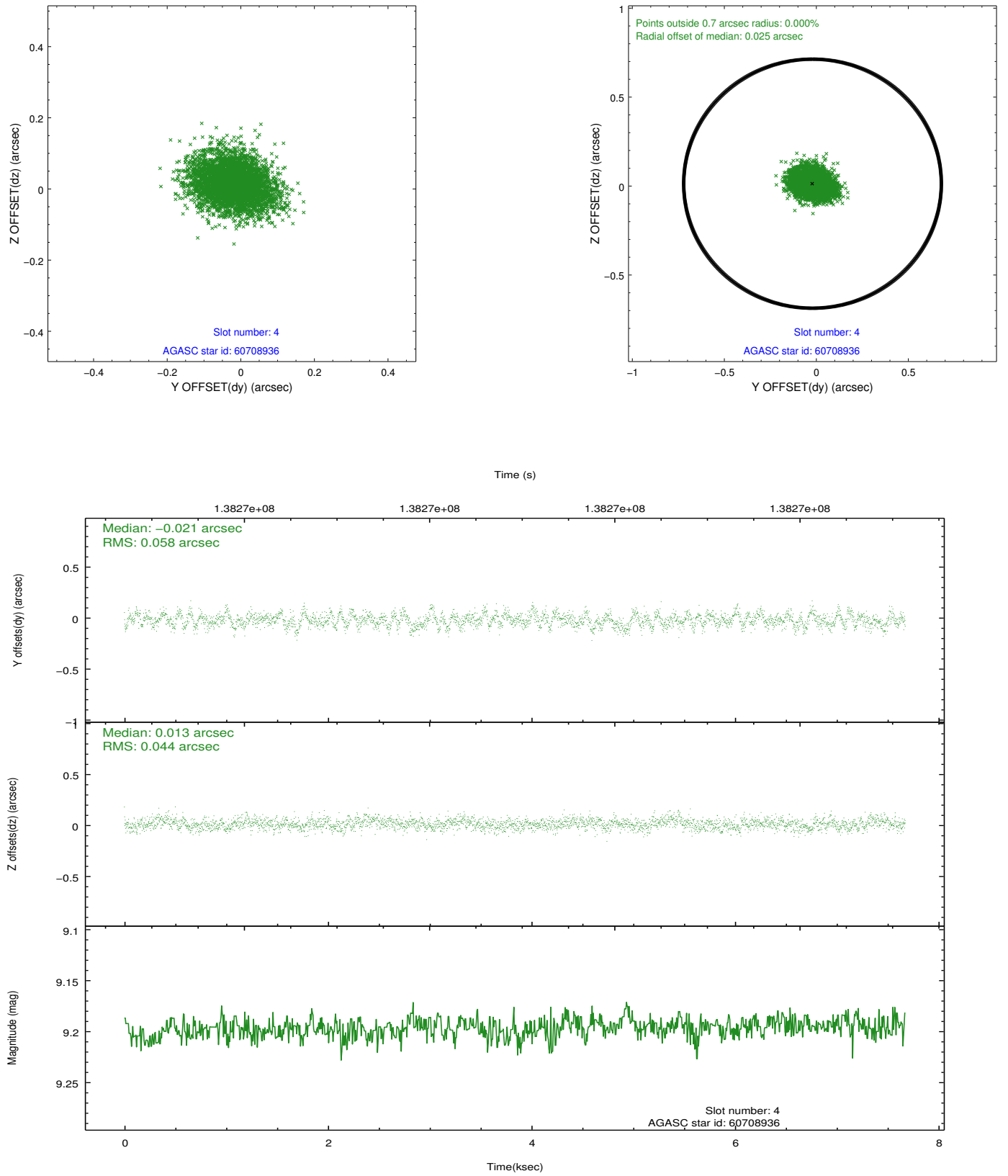
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1871	-0.025	0.014	0.007	0.011	0.000000	0.000000	-755.20	-1727.97
1	FID	ACIS-S-4	7.20	1871	-0.033	0.009	0.005	0.010	0.000000	0.000000	2157.72	179.77
2	FID	ACIS-S-5	7.24	1872	0.027	-0.014	0.007	0.011	0.000000	0.000000	-1807.06	174.23
3	GUIDE	60700592	8.07	3743	0.062	-0.041	0.060	0.095	287.530354	0.932002	1451.62	596.37
4	GUIDE	60708936	9.20	3742	-0.021	0.013	0.077	0.126	287.407925	0.924863	1618.01	1005.55
5	GUIDE	60702480	9.45	3741	-0.197	0.301	0.083	0.135	287.988514	1.293497	1918.88	-1451.28
6	GUIDE	60702128	9.24	3737	-0.115	-0.047	0.070	0.116	287.383379	1.029262	1995.40	923.30
7	GUIDE	672281216	9.32	3741	0.279	-0.230	0.099	0.162	287.454836	-0.067927	-1681.81	2387.98

2.4 Star Slots

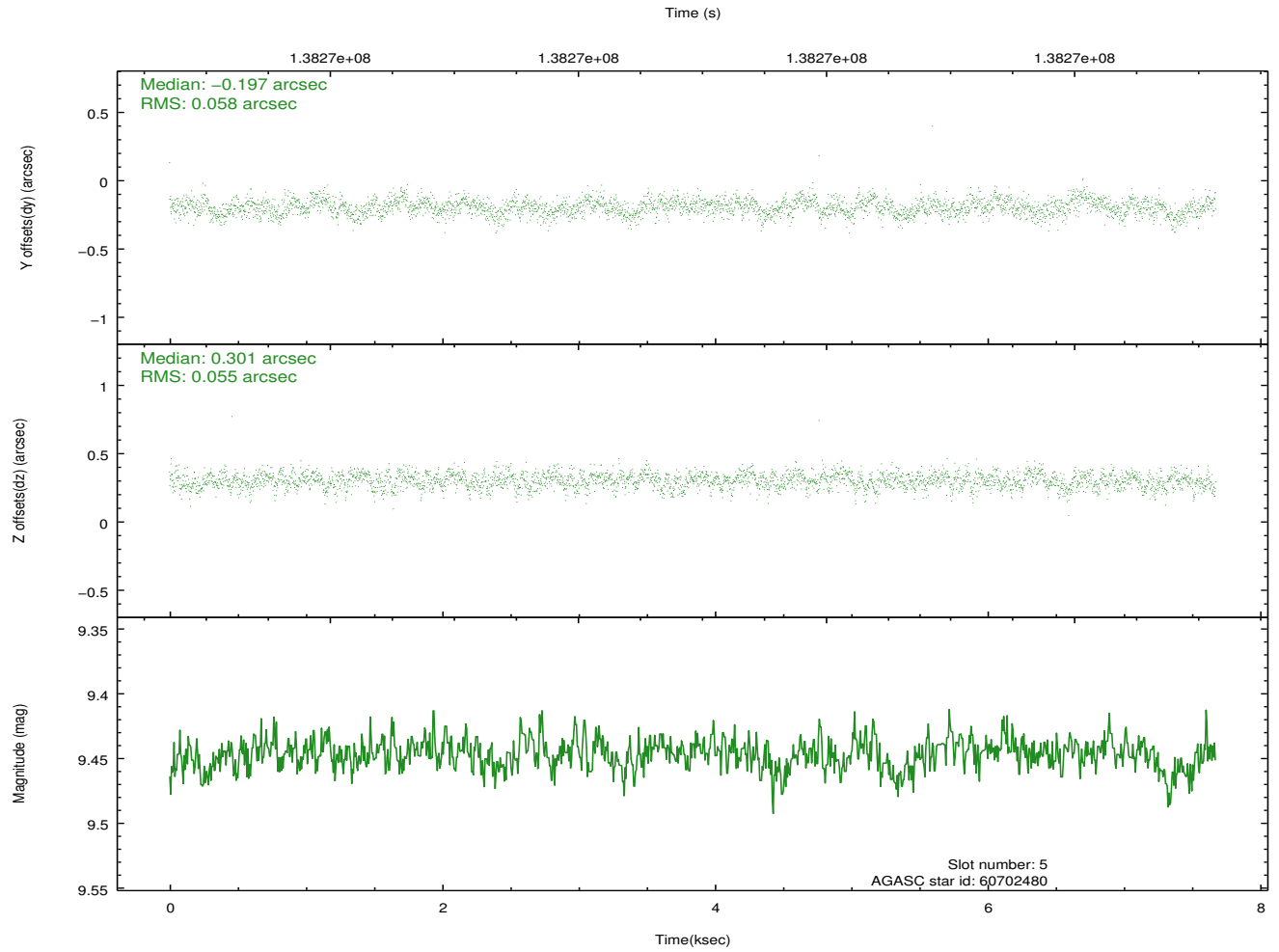
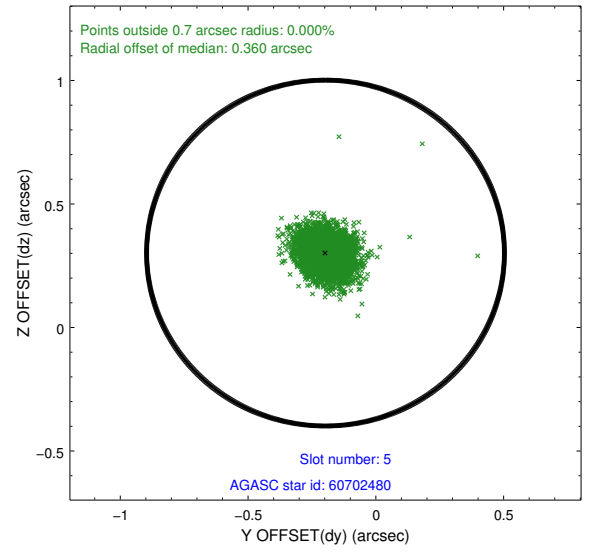
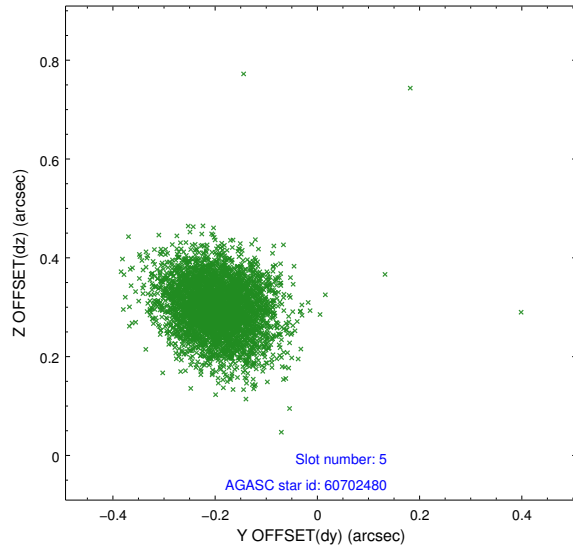
2.4.1 Slot 3



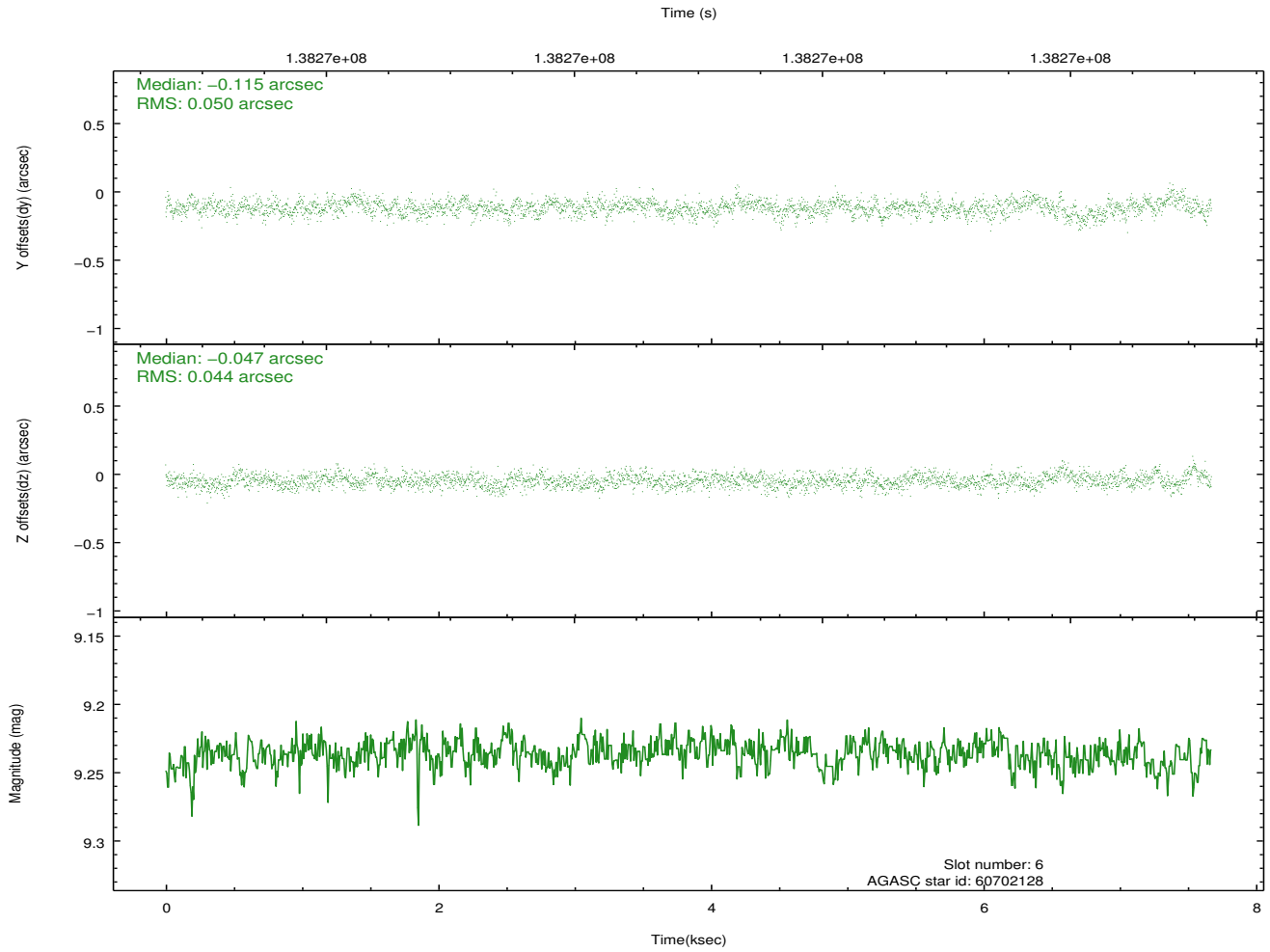
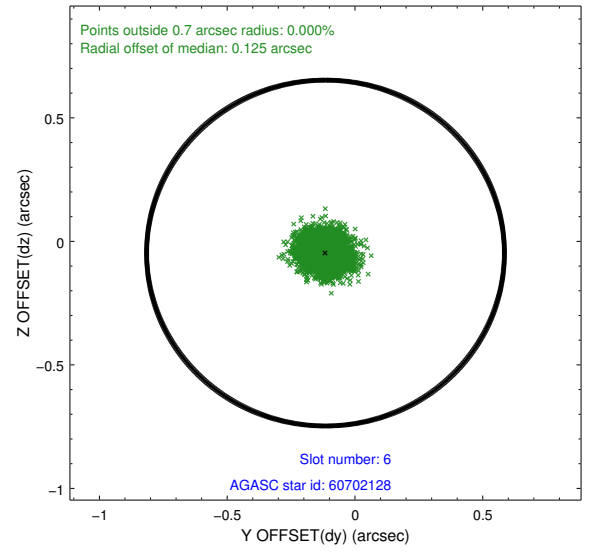
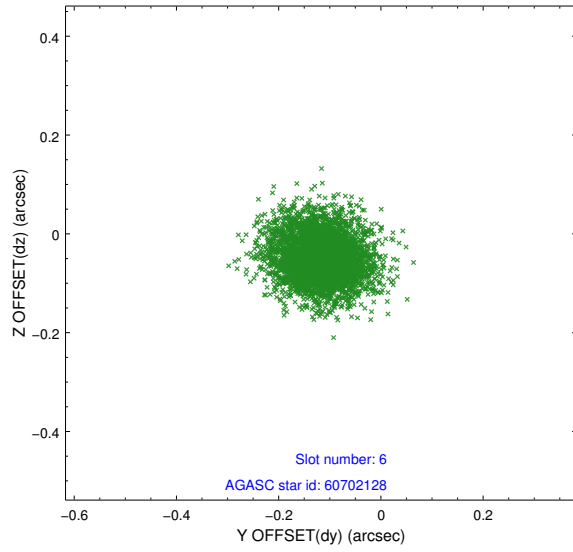
2.4.2 Slot 4



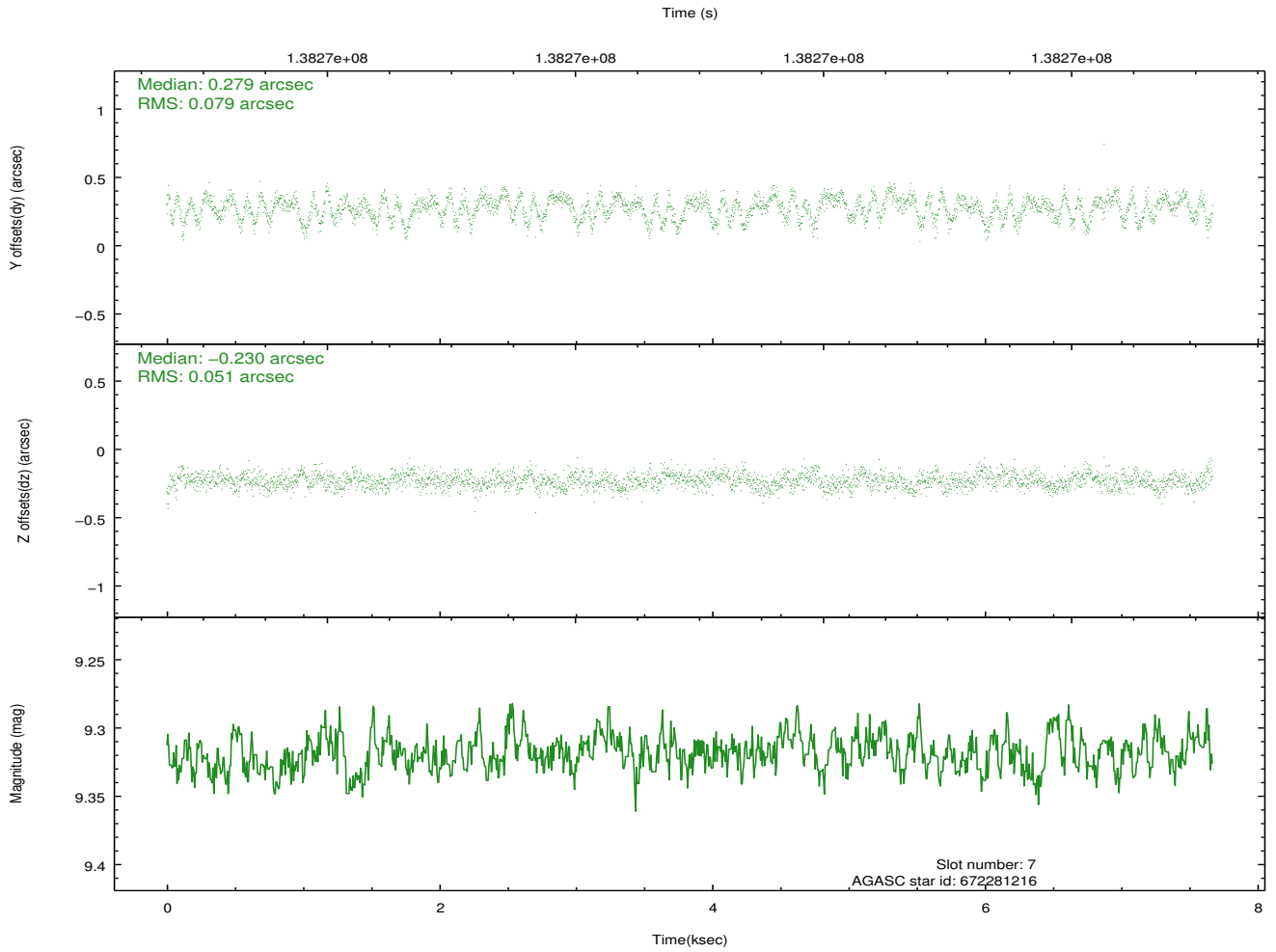
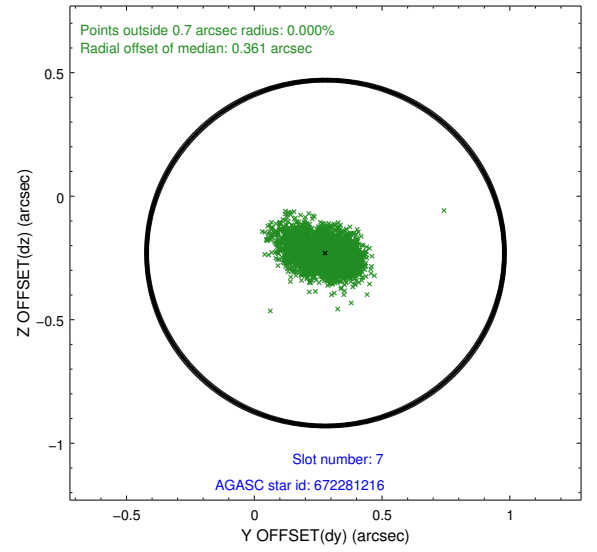
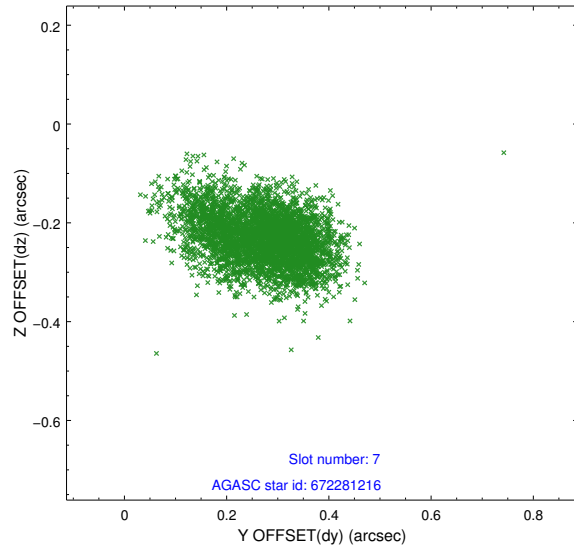
2.4.3 Slot 5



2.4.4 Slot 6

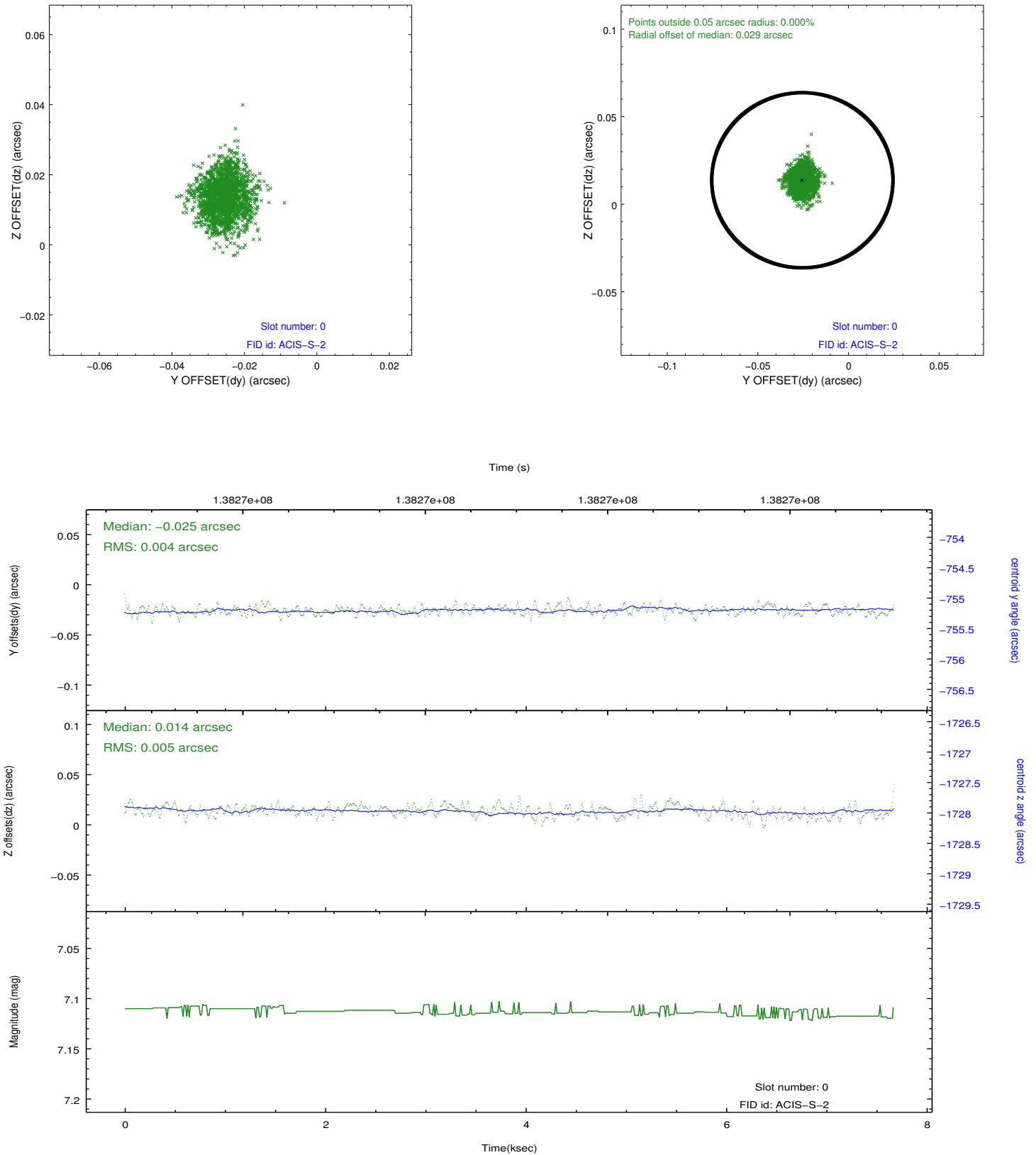


2.4.5 Slot 7

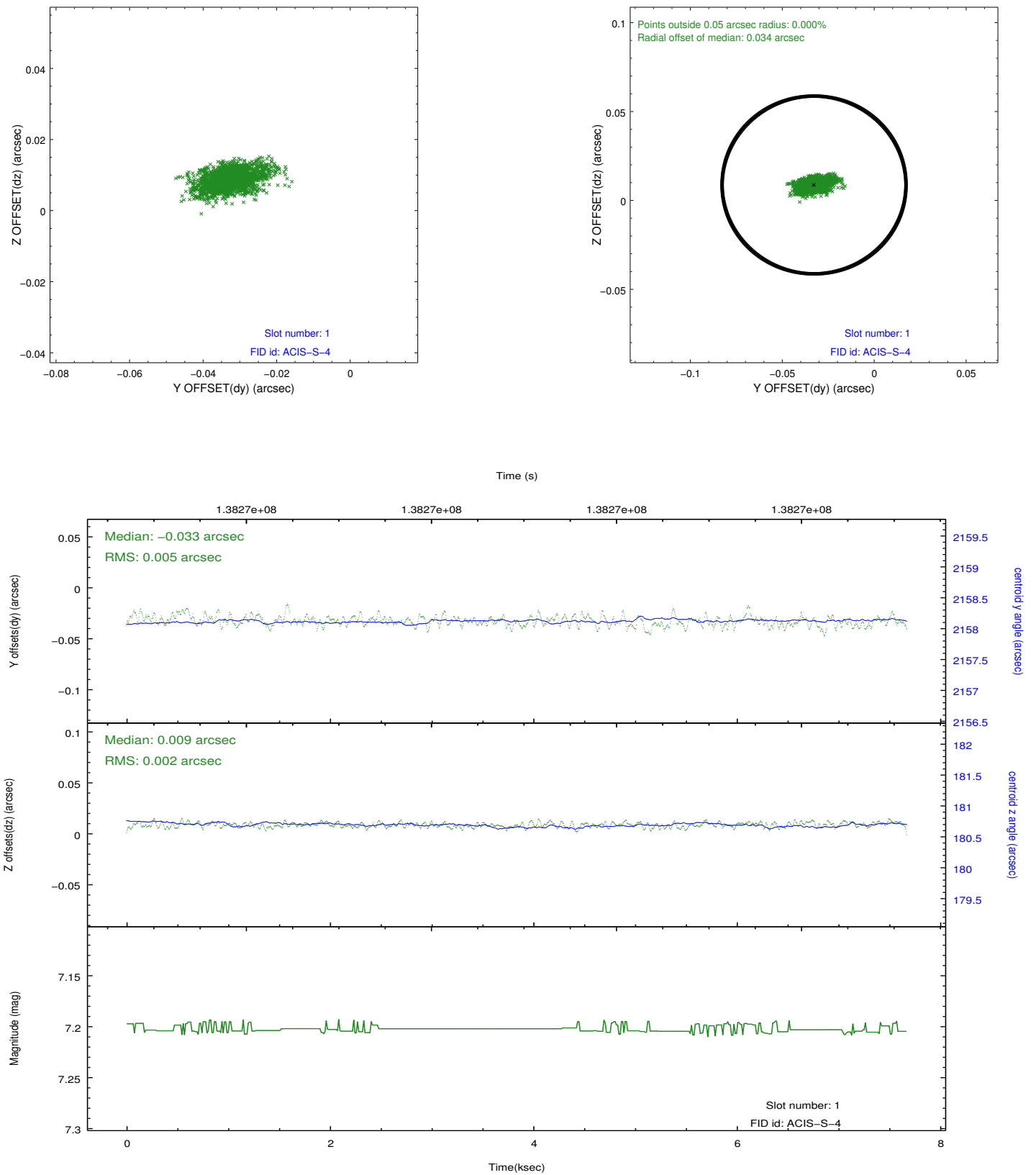


2.5 FID Slots

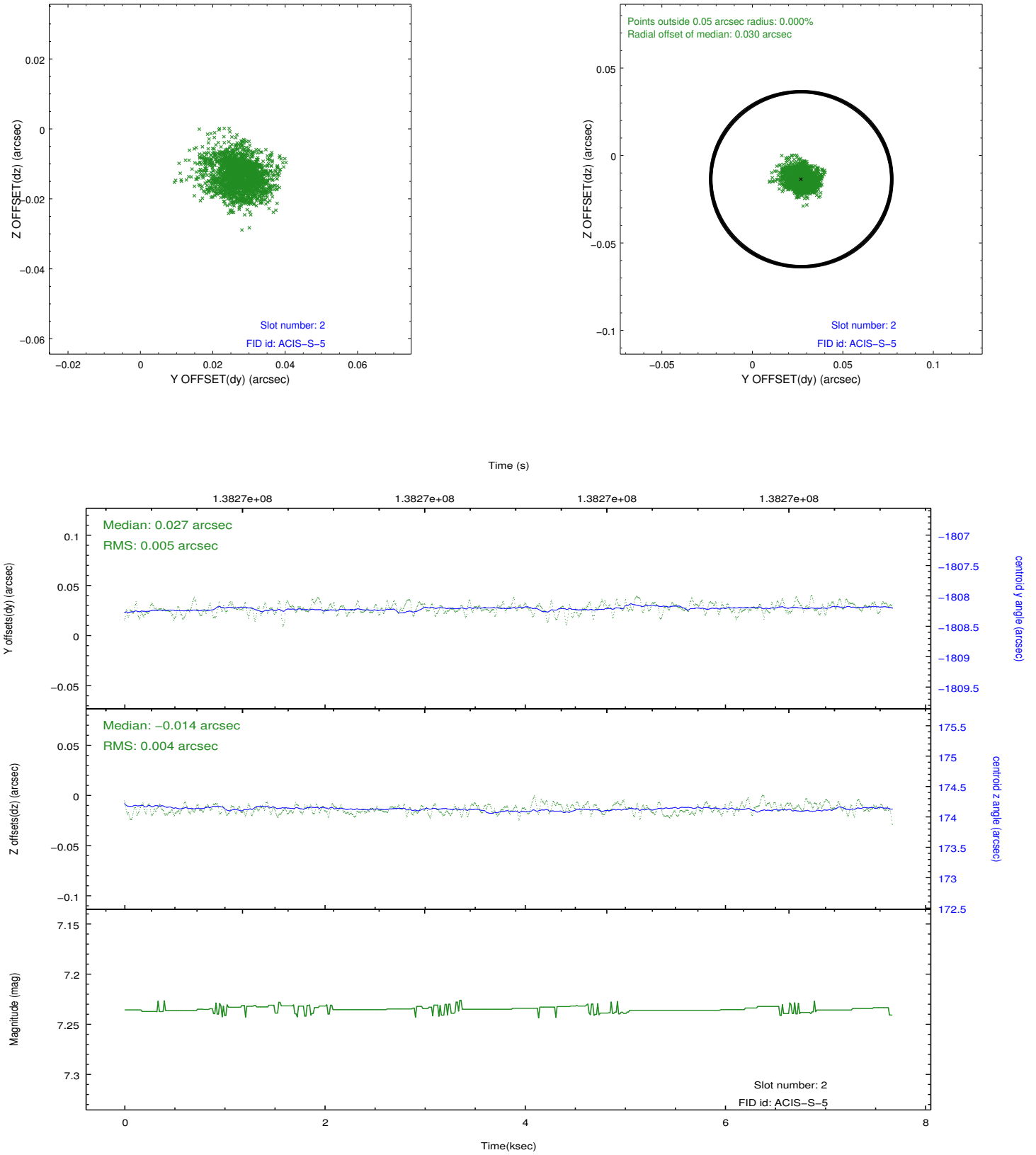
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.10.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.672

A.2 Comments

Monitor constraint met.