

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13293 - L2 Version 1
Chandra X-Ray Center

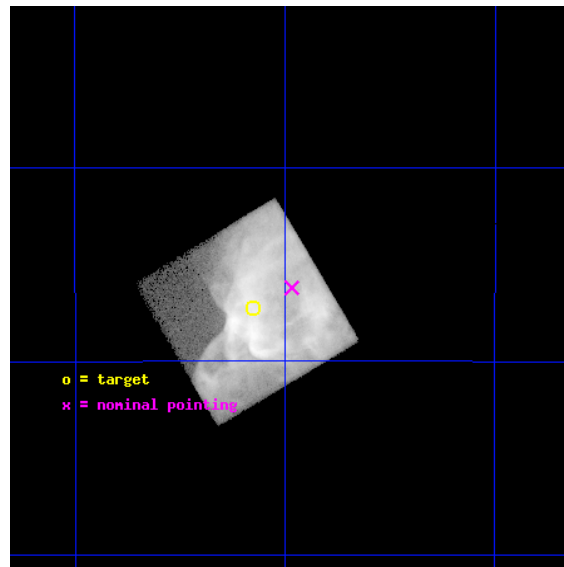
L2 Processing Date : Aug 24 2012

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1 Front

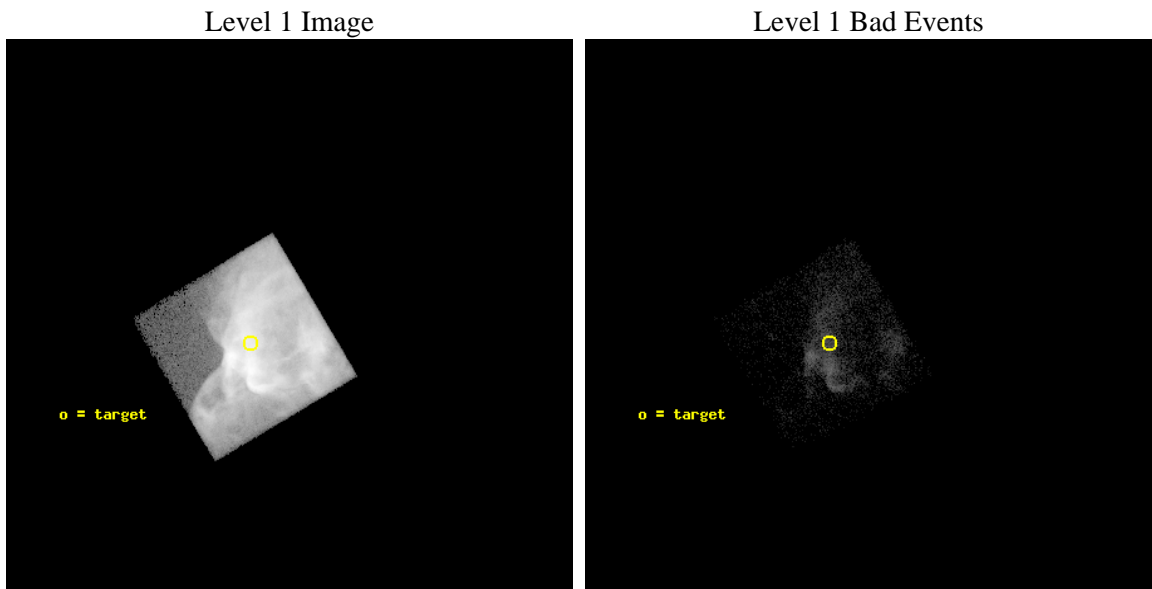
seq_num	501561	Sequence number
obs_id	13293	Observation id
title	Puppis A: the Micro-X Calorimeter Field of View 2012	Proposal titl
observer	Prof Claude Canizares	Principal investigator
object	Puppis A - micro-X field	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	126.0375	Observer's specified target RA [deg]
dec_targ	-42.953889	Observer's specified target Dec [deg]
ra_nom	125.99181572012	Nominal RA [deg]
dec_nom	-42.936779568191	Nominal Dec [deg]
roll_nom	149.13041146945	Nominal Roll [deg]
revision	1	Processing version of data
ontime	15095.177423	Sum of GTIs [s]
livetime	14891.462219833	Livetime [s]
ontime7	15095.177423	Sum of GTIs [s]
l2events	2002640	Number of level 2 events



2 OBI

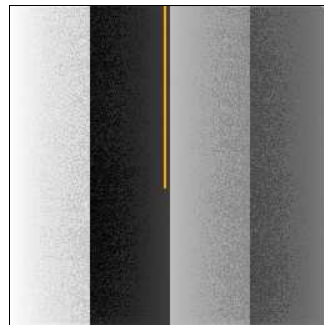
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	15095.177423	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime7	15095.177423	Sum of GTIs [s]
date	2012-08-24T12:30:51	Date and time of file creation	l1events	2050957	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

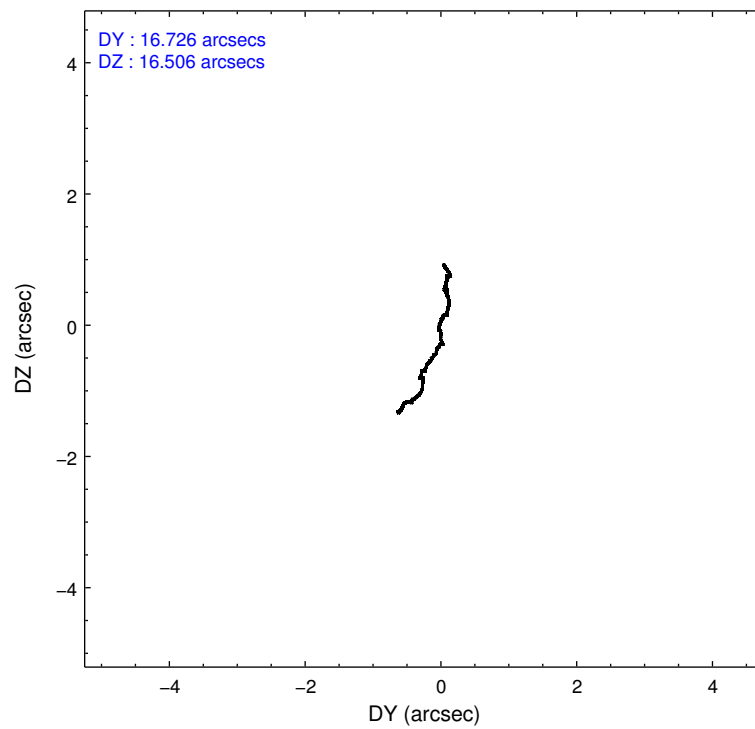
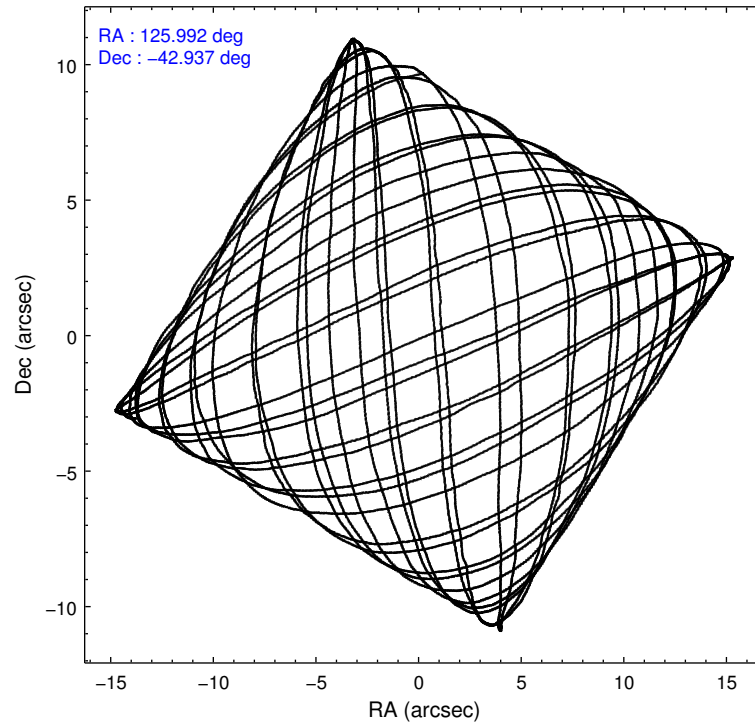
	ccd 7
level 1 events	2050957
rejected events	28319
rejected %	1%

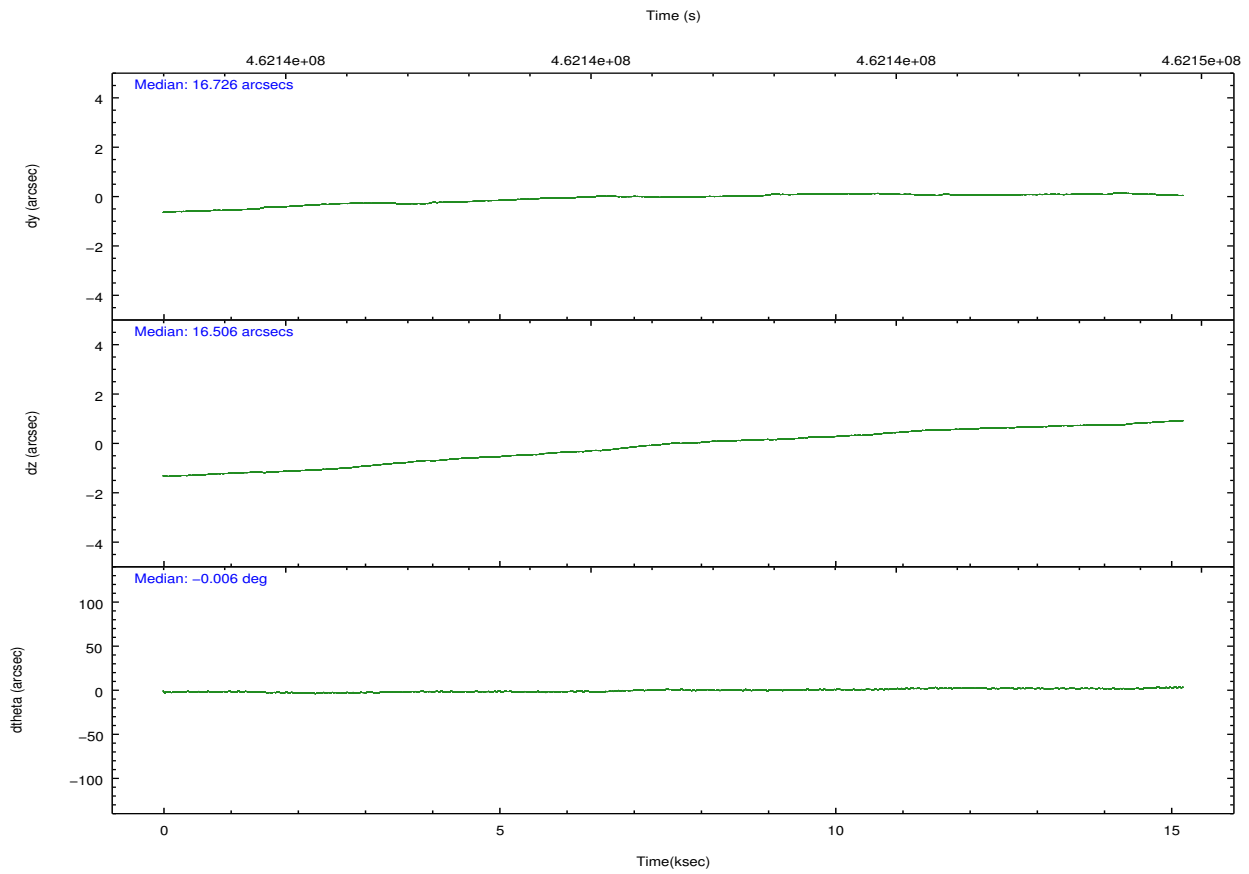
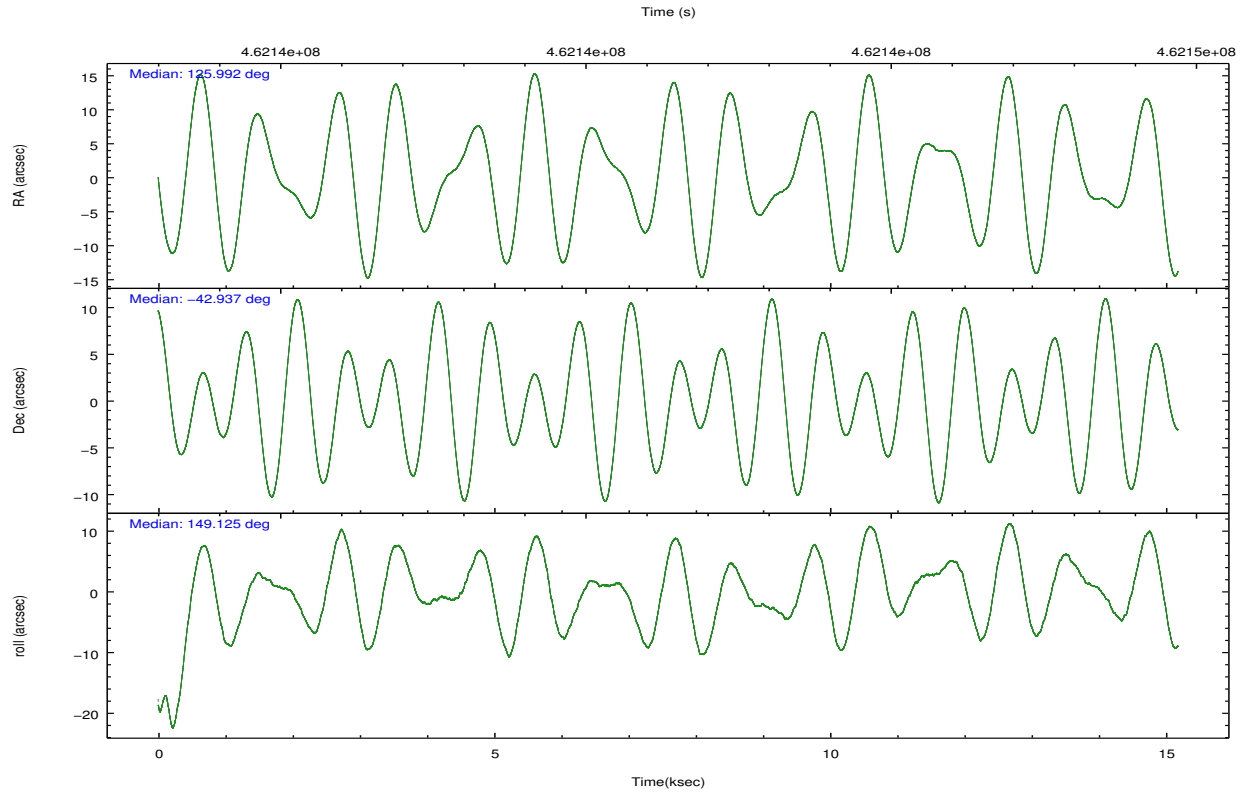
	ccd 7
grade 0 events	691010
	33%
grade 1 events	2075
	0%
grade 2 events	561523
	27%
grade 3 events	240969
	11%
grade 4 events	236482
	11%
grade 5 events	17339
	0%
grade 6 events	293096
	14%
grade 7 events	8463
	0%

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	126.029200	125.9918157201218	Subarray requested	NONE	NONE
[deg] Pointing Dec	-42.936819	-42.93677956819051	Alternating exposures requested	N	N
[deg] Pointing Roll	148.999258	149.130411469448	[s] Primary exposure time	0.000000	3
[s] Window start time (MET)	449625666.184000	449625666.184000			
[s] Window stop time (MET)	469324867.184000	469324867.184000			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	462133928.184000	462132984.86188			
Observation start date	2012-08-23T18:31:01	2012-08-23T18:16:24			
[s] Observation end time (MET)	462148928.184000	462150452.40032			
Observation end date	2012-08-23T22:41:01	2012-08-23T23:07:32			
Read mode	TIMED	TIMED			

2.3 Aspect



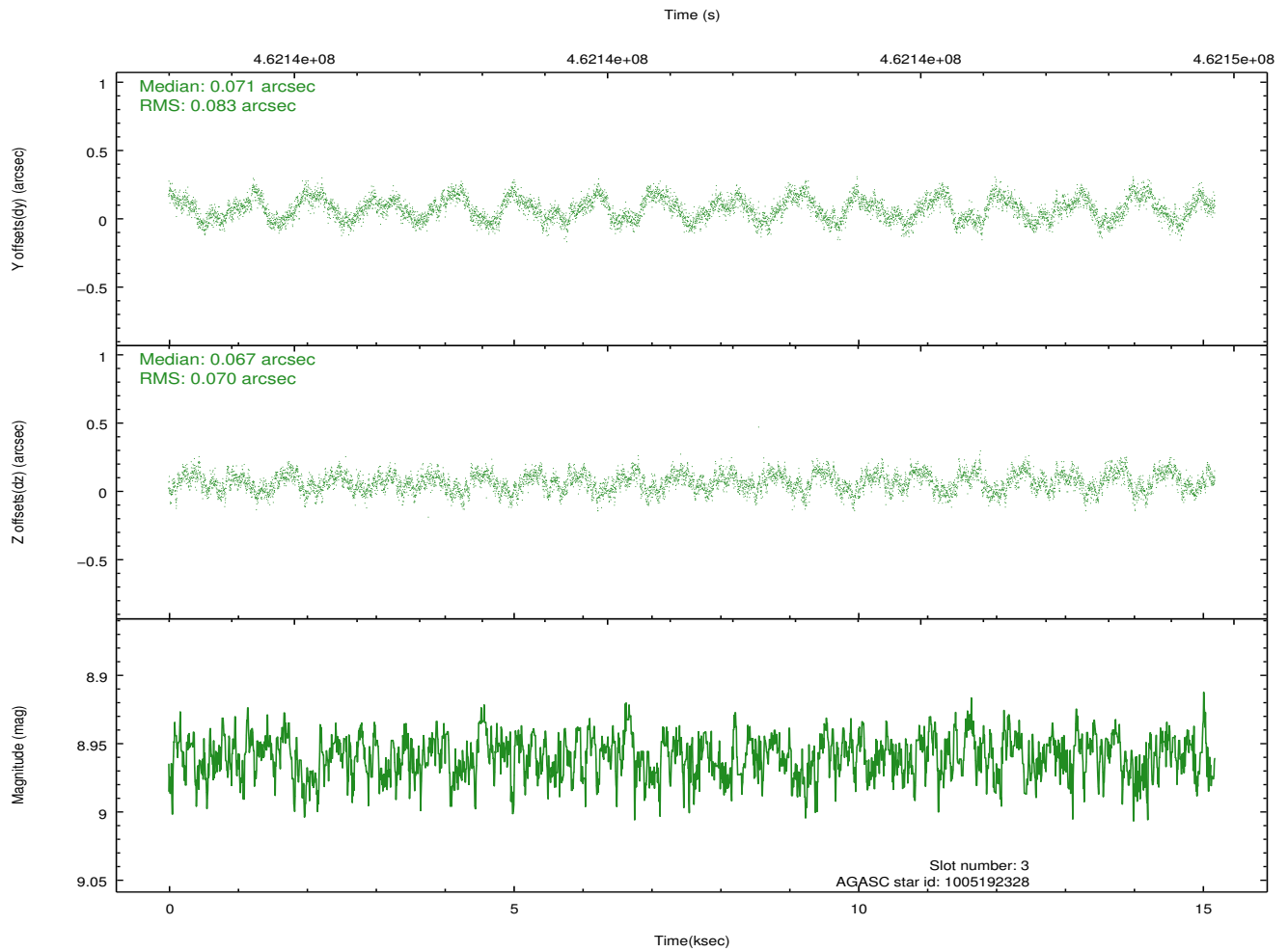
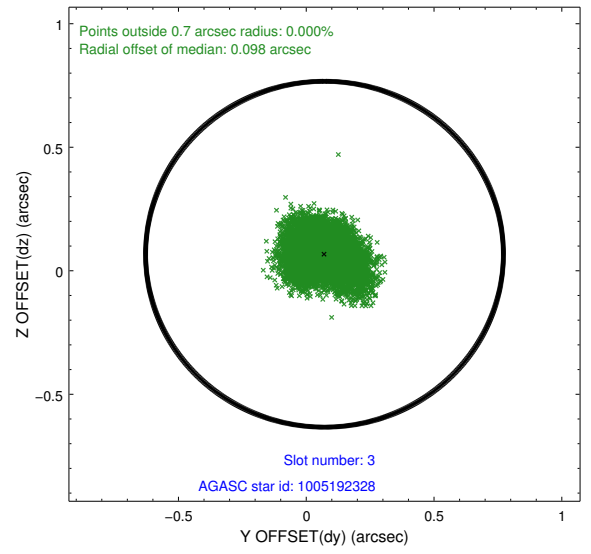
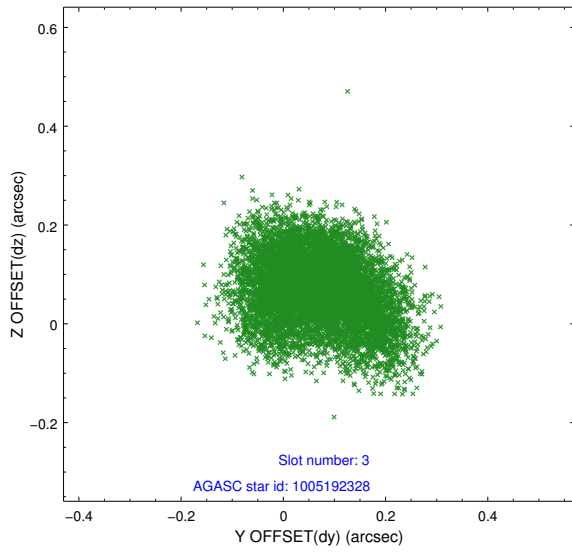


Slot Statistics

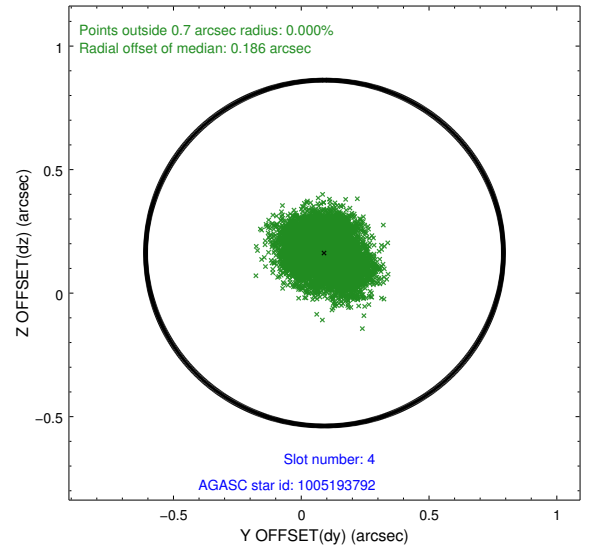
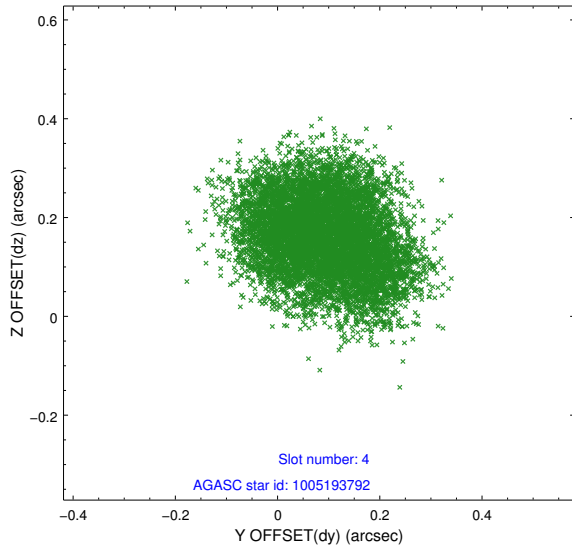
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.06	3703	0.057	-0.077	0.024	0.037	0.000000	0.000000	926.45	-1733.49
1	FID	ACIS-S-4	7.06	3703	0.155	0.032	0.020	0.029	0.000000	0.000000	2144.10	170.48
2	FID	ACIS-S-5	7.09	3703	-0.237	0.061	0.011	0.026	0.000000	0.000000	-1822.35	164.40
3	GUIDE	1005192328	8.96	7371	0.071	0.067	0.118	0.179	126.494374	-42.919317	-1020.28	-682.47
4	GUIDE	1005193792	9.38	7395	0.091	0.162	0.124	0.187	126.944513	-42.886417	-1982.42	-1387.60
5	GUIDE	1005201896	8.51	7404	0.006	0.137	0.079	0.121	126.670468	-42.695868	-1010.88	-1611.76
6	GUIDE	1005724040	7.59	7405	-0.157	-0.293	0.078	0.125	125.738175	-43.227880	113.78	1292.31
7	GUIDE	1005728336	8.14	7405	-0.018	-0.071	0.088	0.143	126.658989	-43.408597	-2289.69	612.93

2.4 Star Slots

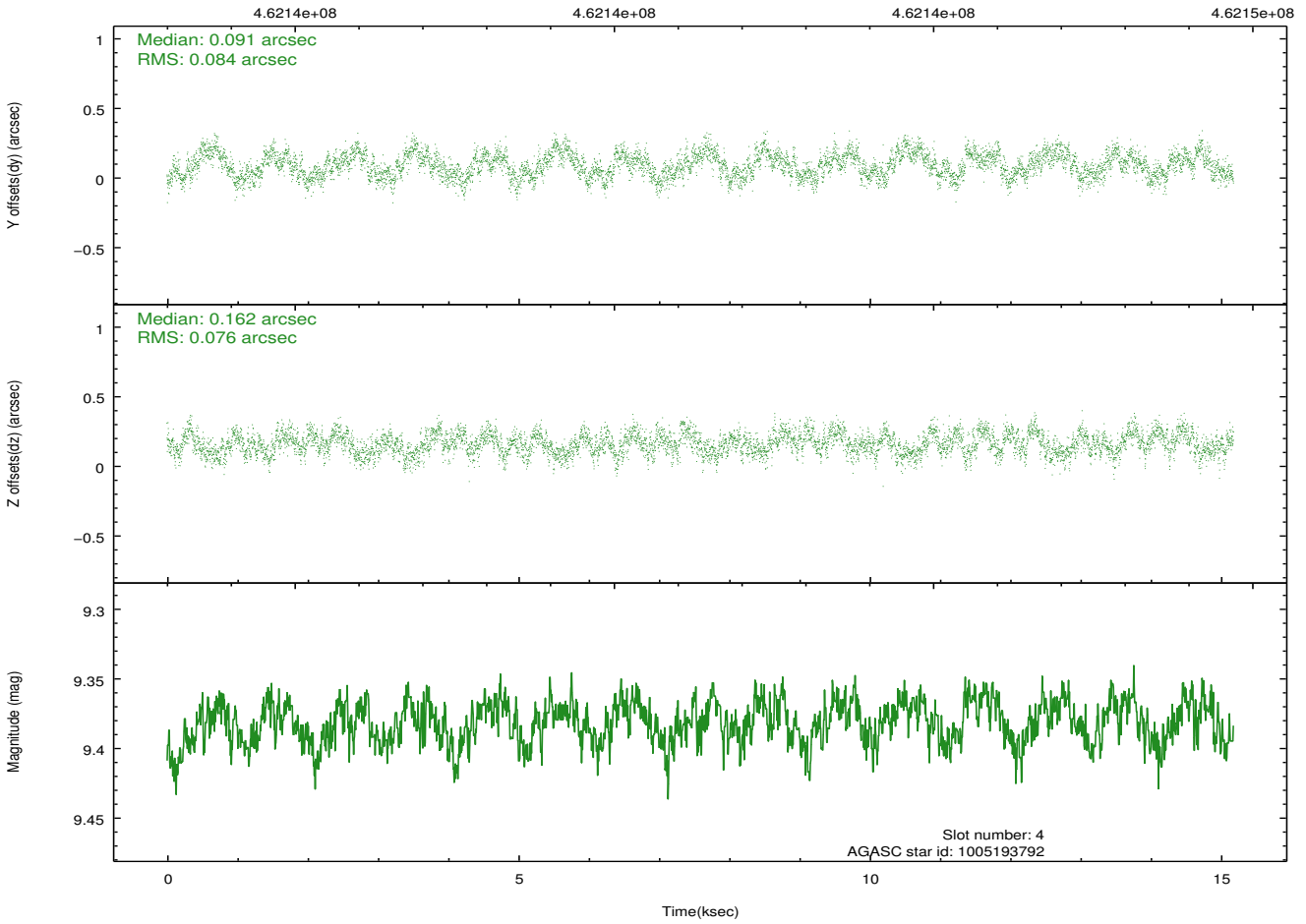
2.4.1 Slot 3



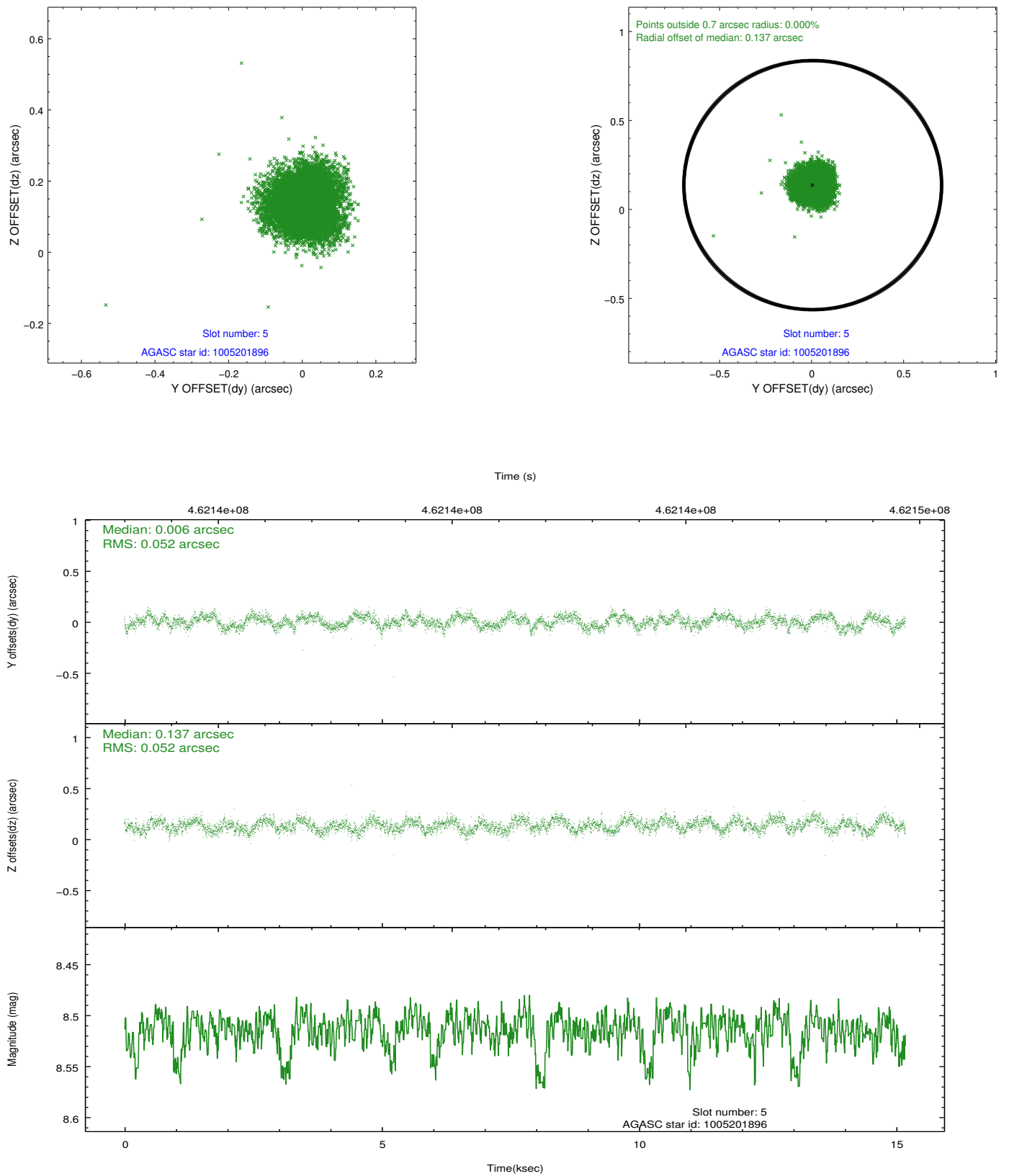
2.4.2 Slot 4



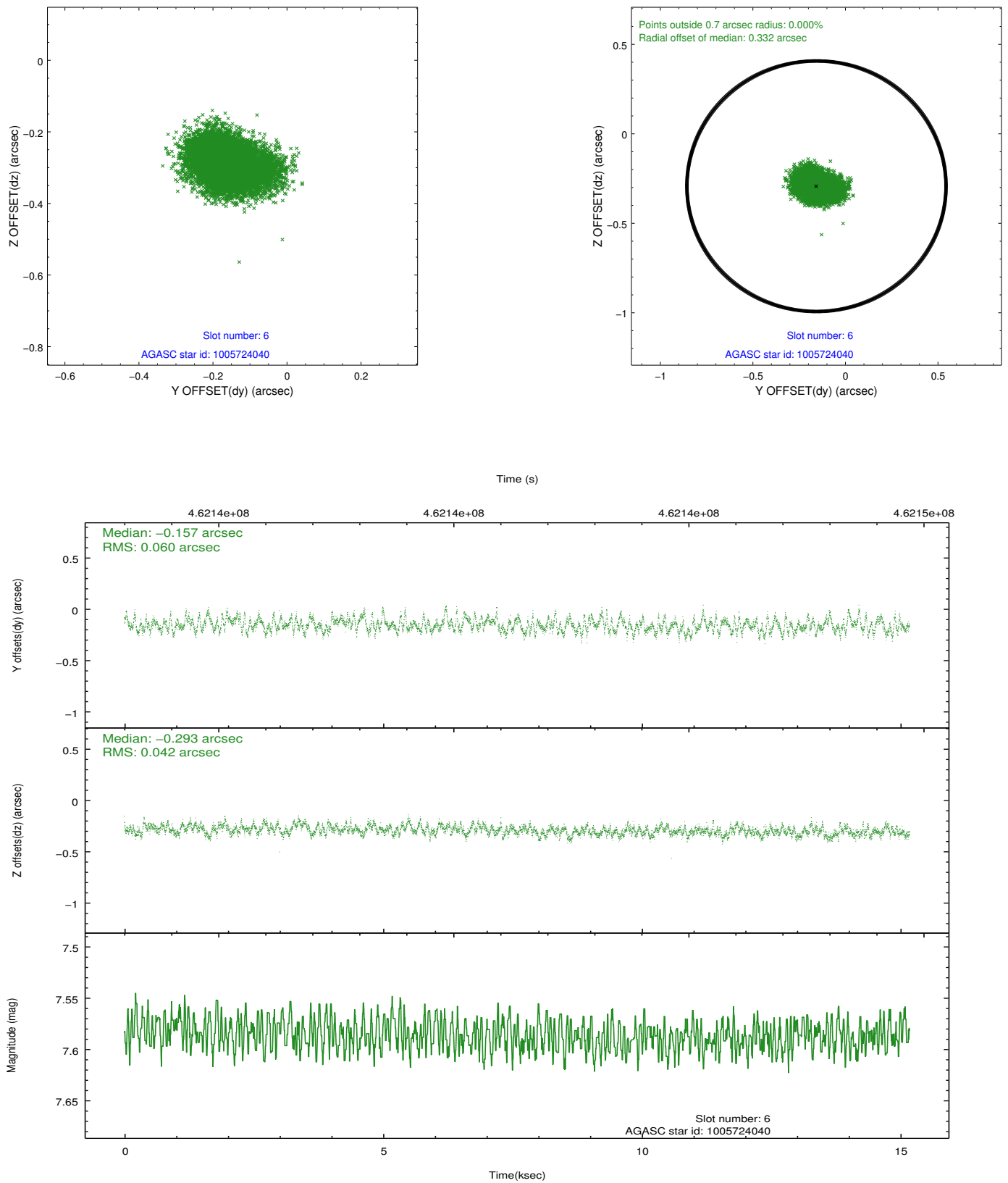
Time (s)



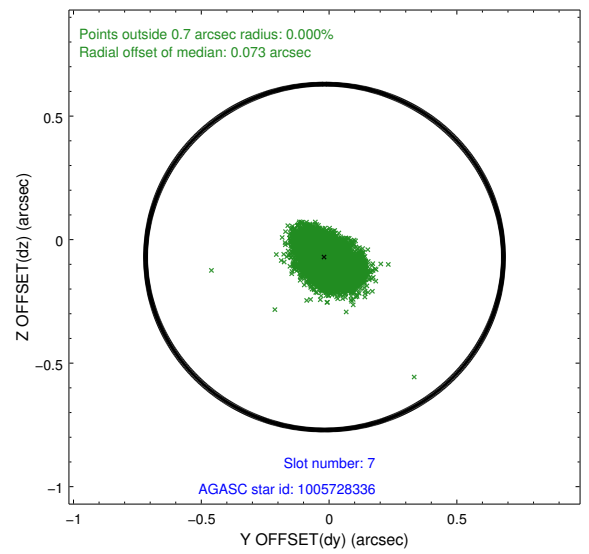
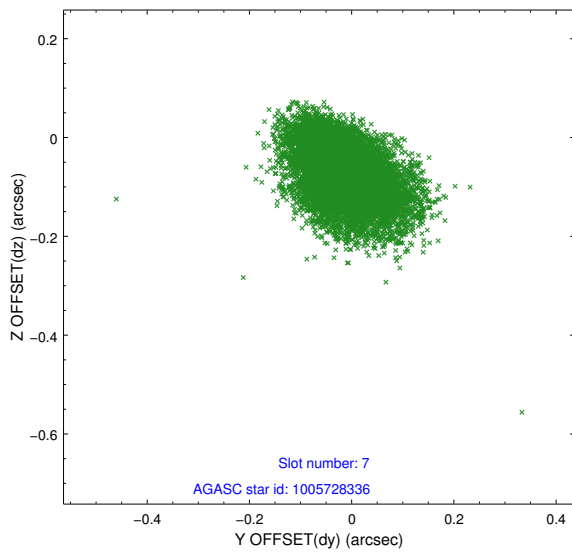
2.4.3 Slot 5



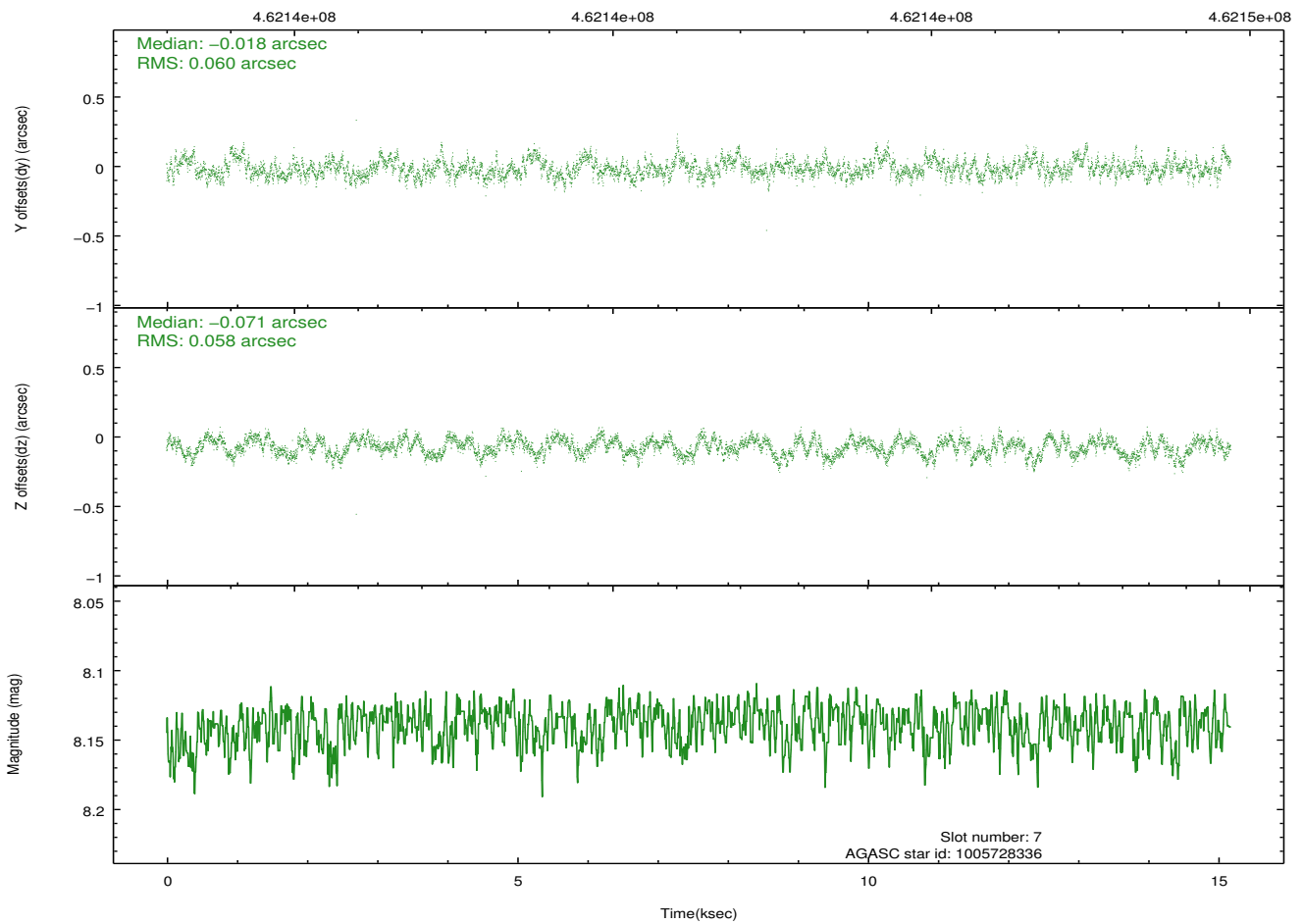
2.4.4 Slot 6



2.4.5 Slot 7

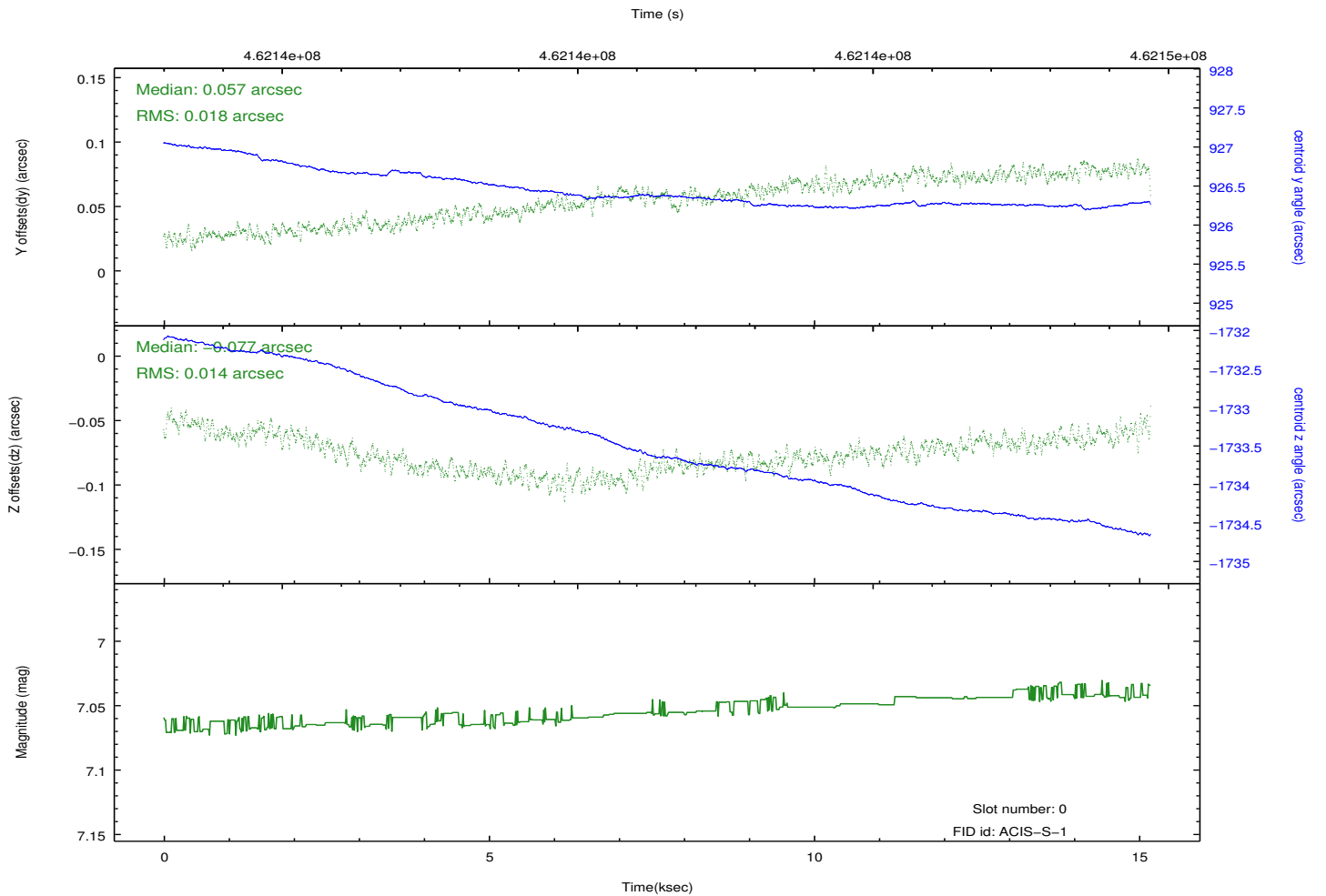
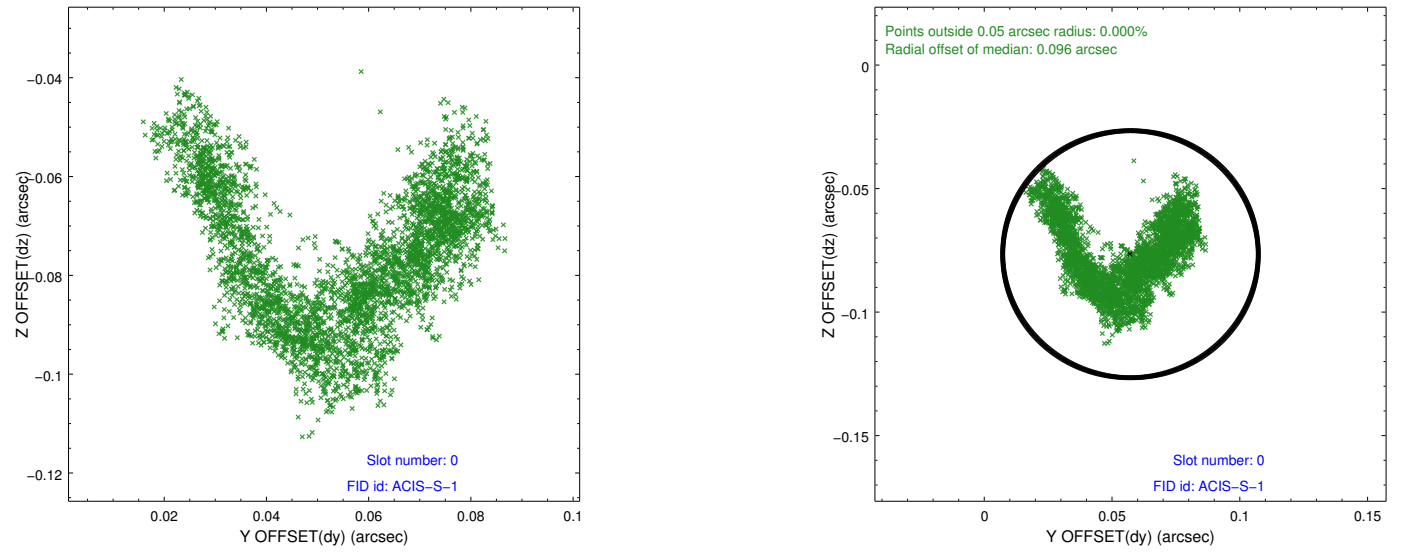


Time (s)

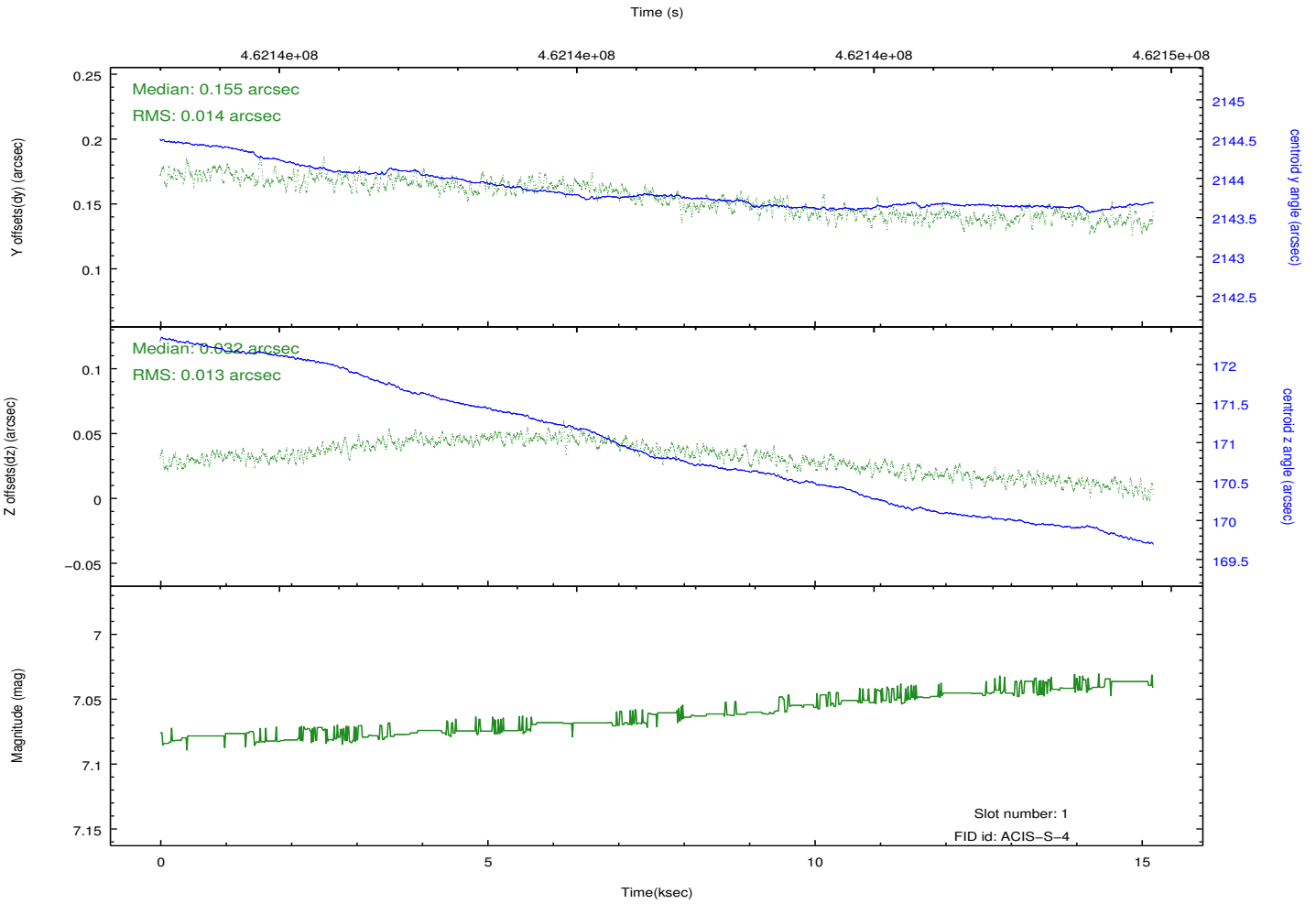
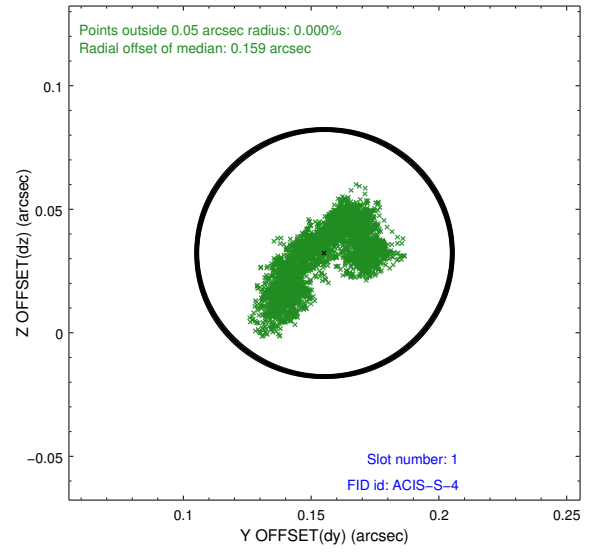
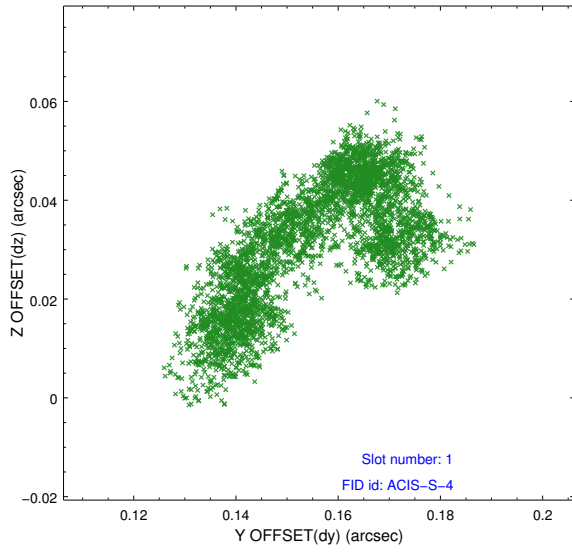


2.5 FID Slots

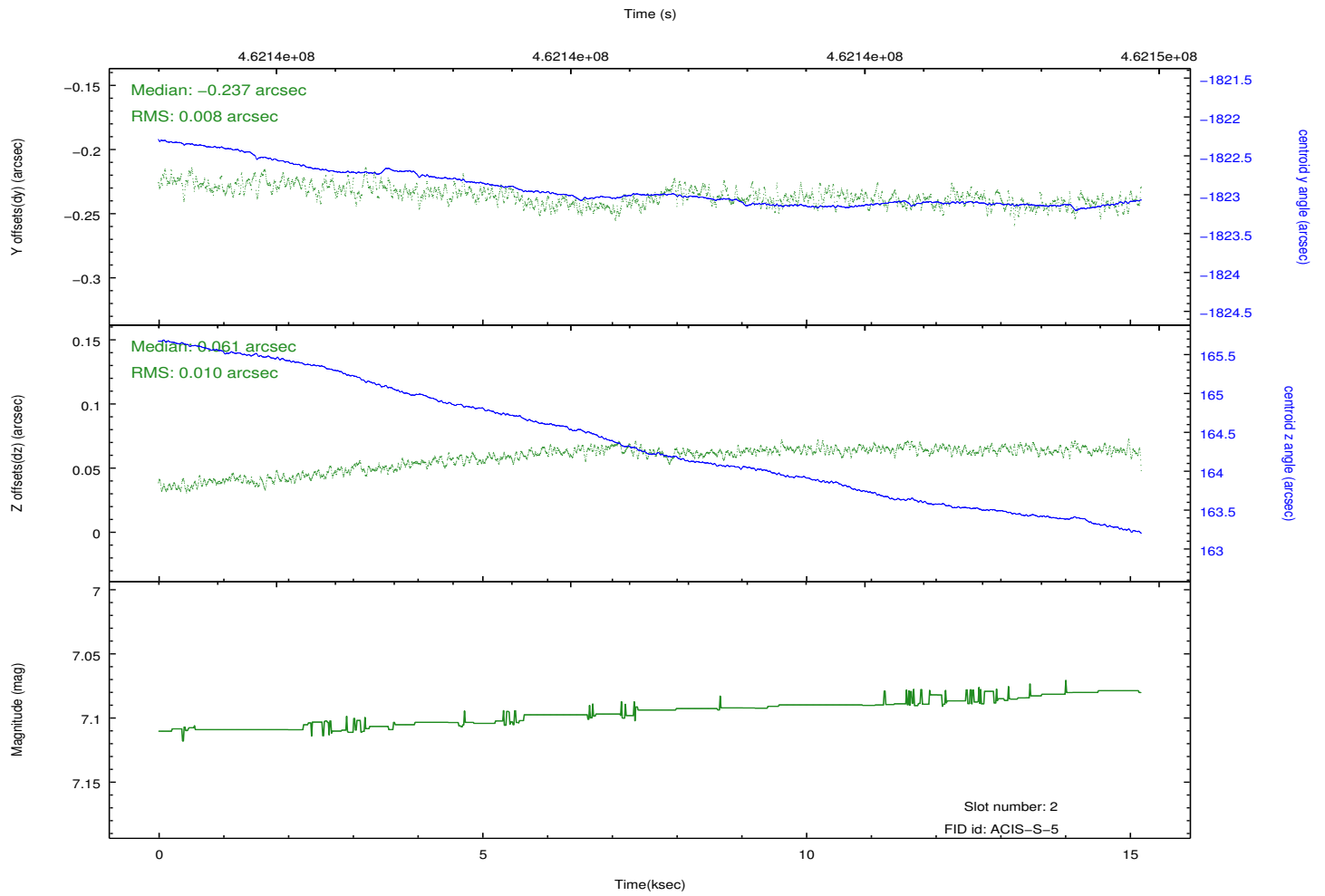
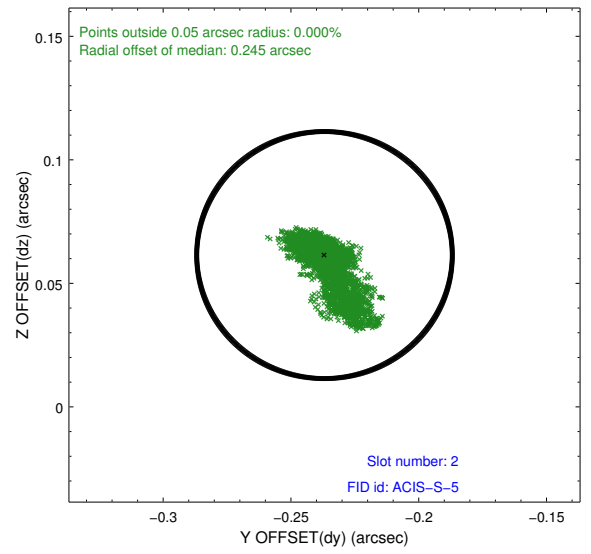
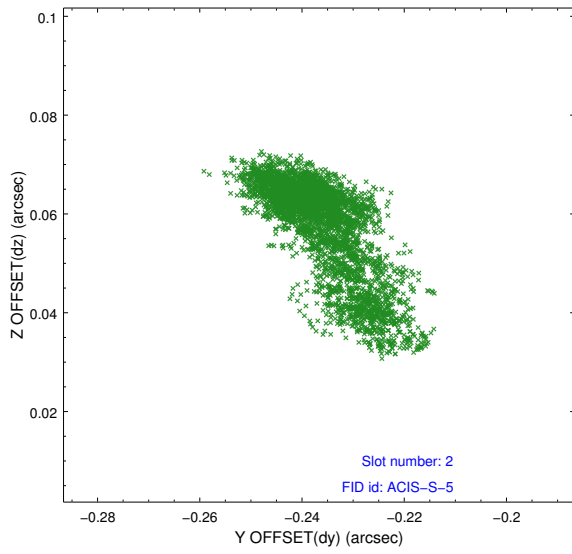
2.5.1 Slot 0



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)	2012.08.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.095177423

A.2 Comments

Window constraint met.