

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 654 - L2 Version 4
Chandra X-Ray Center

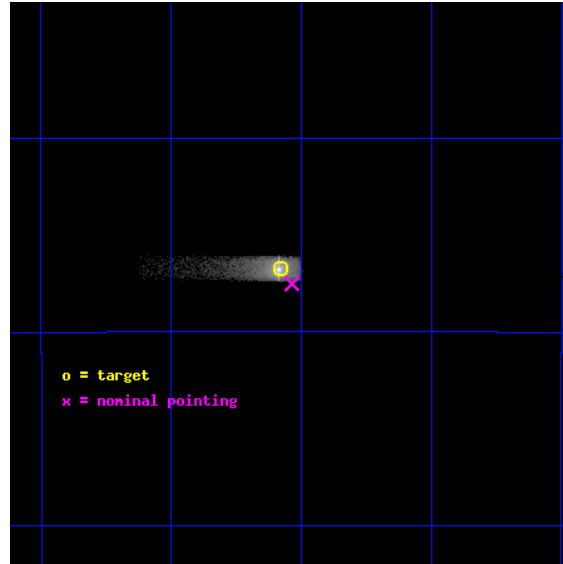
L2 Processing Date : Aug 30 2012

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1 Front

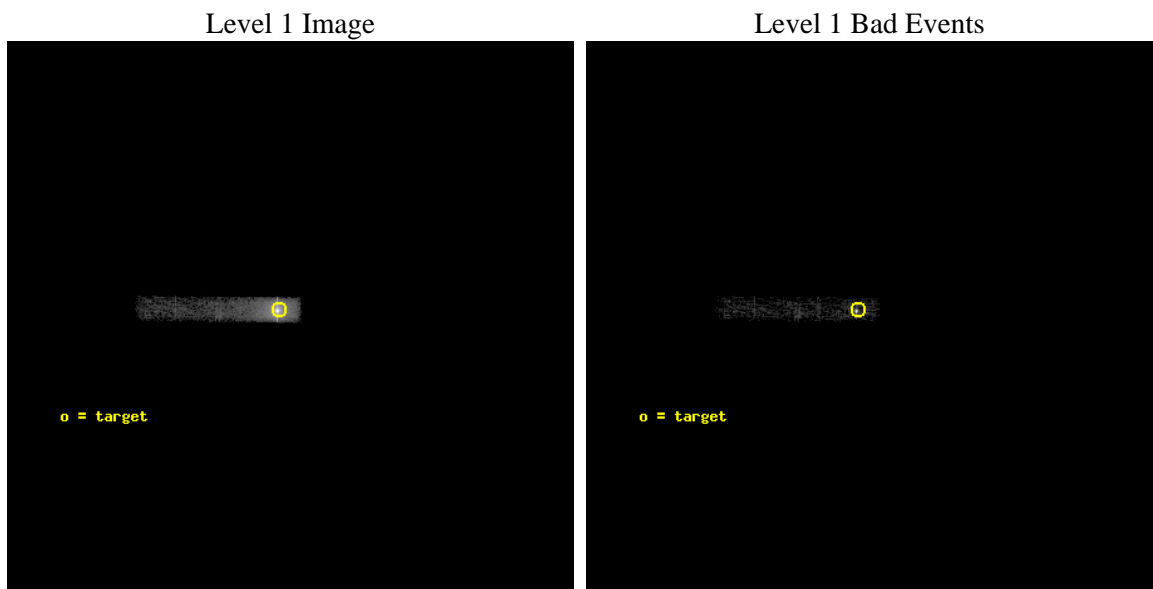
seq_num	300023	Sequence number
obs_id	654	Observation id
title	X-RAYING COMPACT BINARIES IN THE EXTREME GLOBULAR CLUSTER, TERZAN 5	
observer	Professor Johnathan Grindlay	Principal investigator
object	TERZAN 5	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.020417	Observer's specified target RA [deg]
dec_targ	-24.779139	Observer's specified target Dec [deg]
ra_nom	267.00920308311	Nominal RA [deg]
dec_nom	-24.791967846503	Nominal Dec [deg]
roll_nom	270.74353332979	Nominal Roll [deg]
revision	4	Processing version of data
ontime	5413.5	Sum of GTIs [s]
livetime	5002.8648528759	Livetime [s]
ontime3	5413.5	Sum of GTIs [s]
l2events	42115	Number of level 2 events



2 OBI

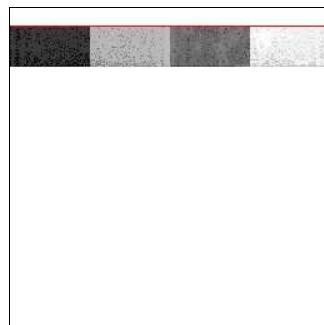
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 3



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	5413.5	Sum of GTIs [s]
caldsver	4.5.1.1	 	ontime3	5413.5	Sum of GTIs [s]
date	2012-08-30T21:11:38	Date and time of file creation	l1events	57408	Number of level 1 events
revision	4	Processing version of data			

2.1.4 Events

	ccd 3
level 1 events	57408
rejected events	14869
rejected %	25%

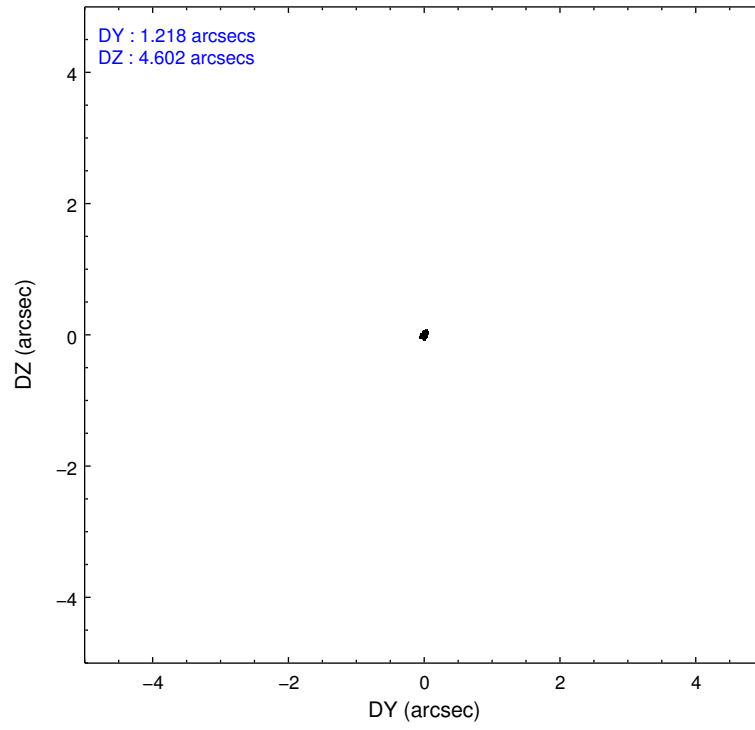
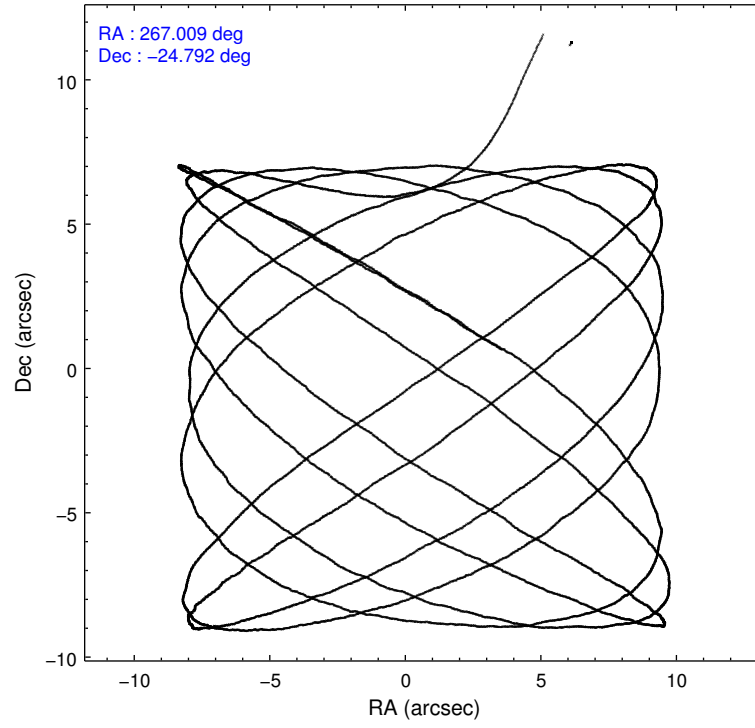
	ccd 3
grade 0 events	27995
	48%
grade 1 events	1061
	1%
grade 2 events	6404
	11%
grade 3 events	2185
	3%
grade 4 events	2318
	4%
grade 5 events	1595
	2%
grade 6 events	4360
	7%
grade 7 events	11490
	20%

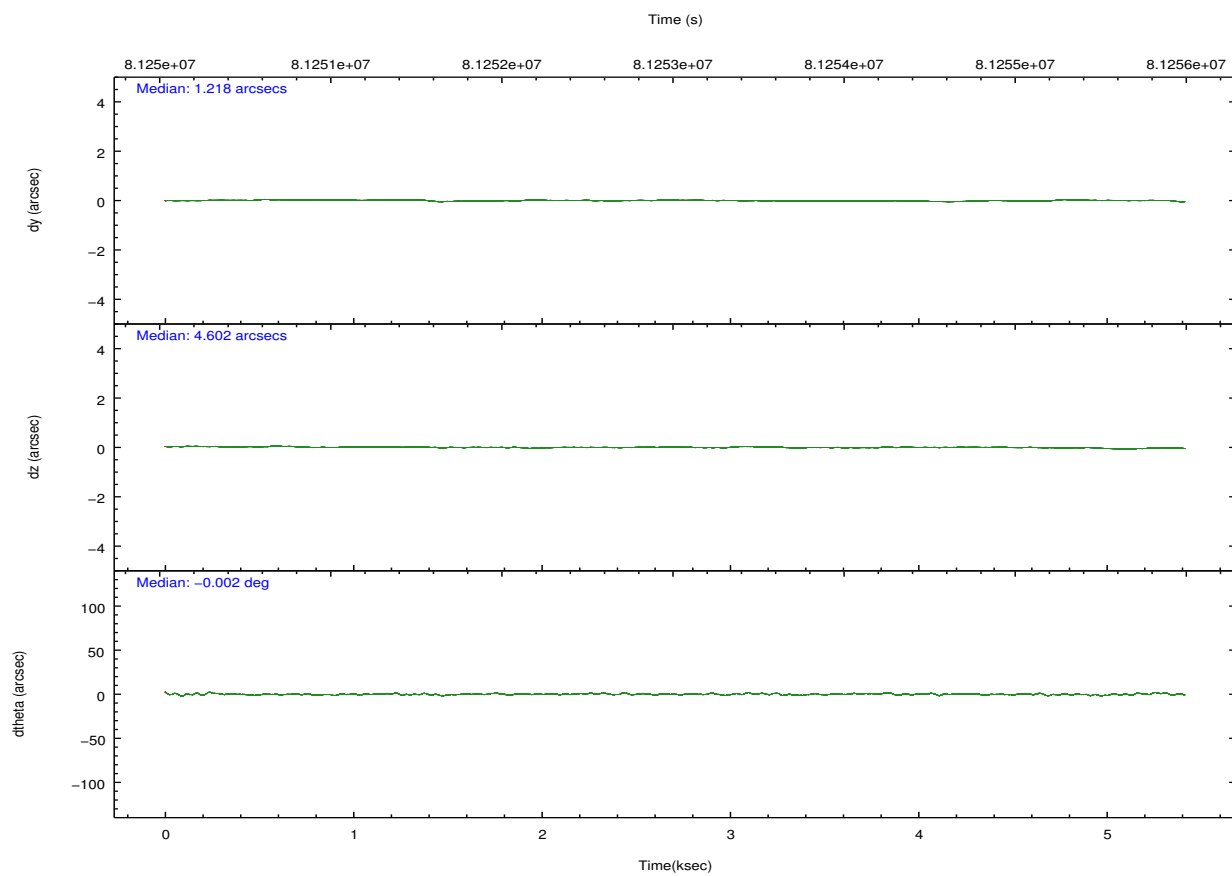
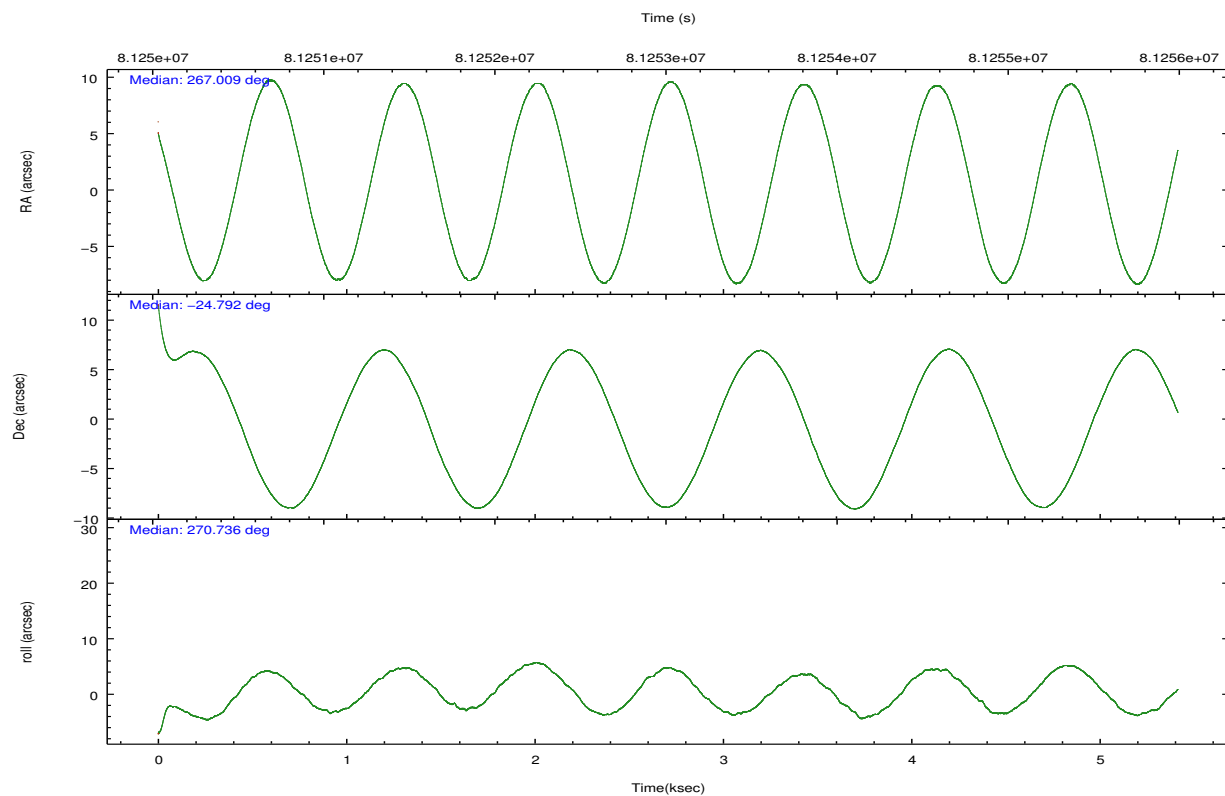
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-3	ACIS-3
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	266.993872	267.0092030831099
[deg] Pointing Dec	-24.768363	-24.79196784650281
[deg] Pointing Roll	270.528434	270.7435333297859
[s] Window start time (MET)	80697664.184000	80697664.184000
[s] Window stop time (MET)	81388864.184000	81388864.184000
[mm] SIM focus pos	-0.782348	-0.7809083437167272
[mm] SIM defocus	0	0.001439871863259334
[mm] SIM translation stage pos	-233.592463	-233.5874344608287
[mm] SIM translation stage offset	0	-0.005018542100998502
[s] Observation start time (MET)	81250717.184000	81249648.95551801
Observation start date	2000-07-29T09:37:33	2000-07-29T09:20:48
[s] Observation end time (MET)	81255717.184000	81256262.25576399
Observation end date	2000-07-29T11:00:53	2000-07-29T11:11:02
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/8
Subarray start row	840	840
Subarray row count	128	128
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.5

2.3 Aspect



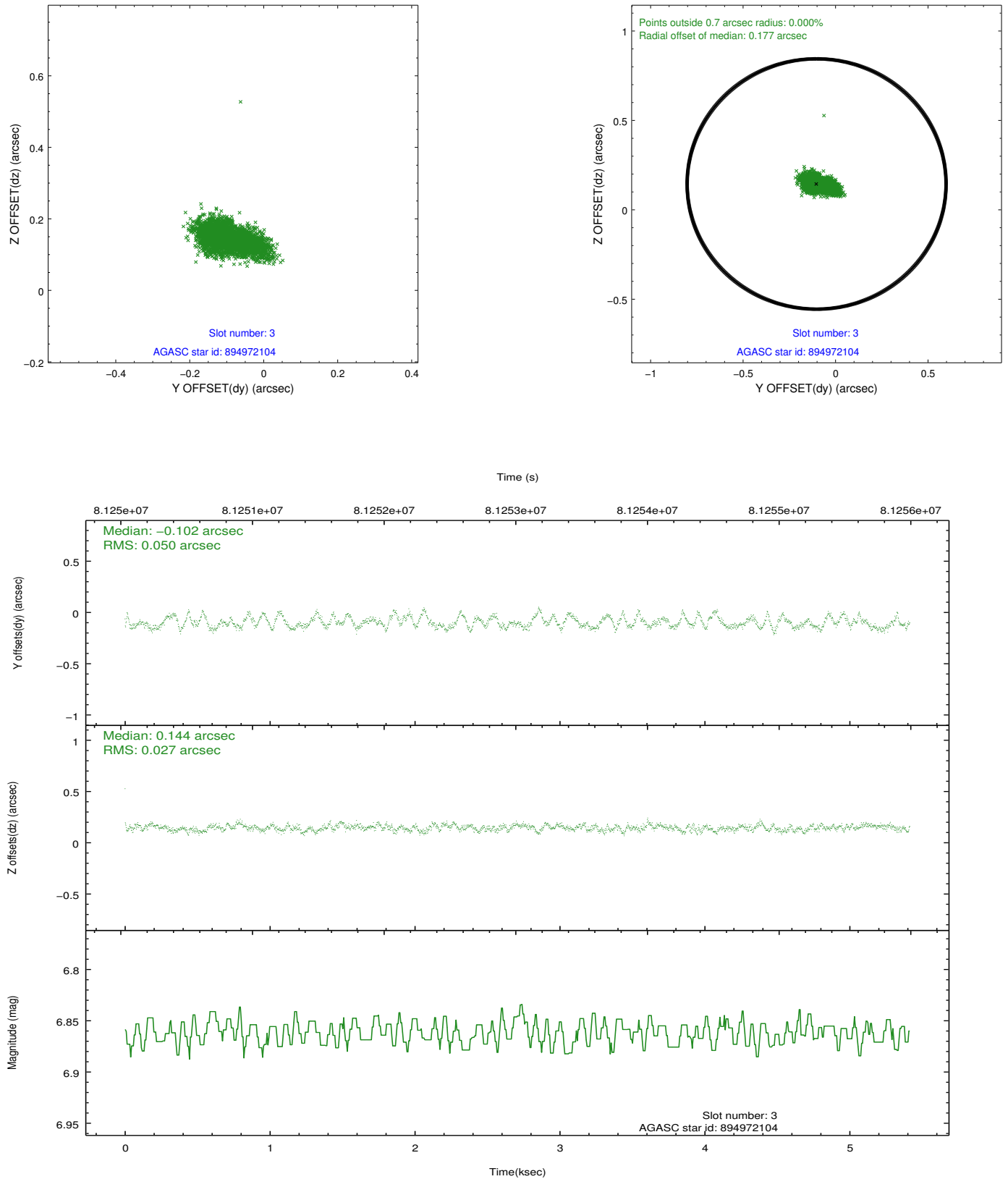


Slot Statistics

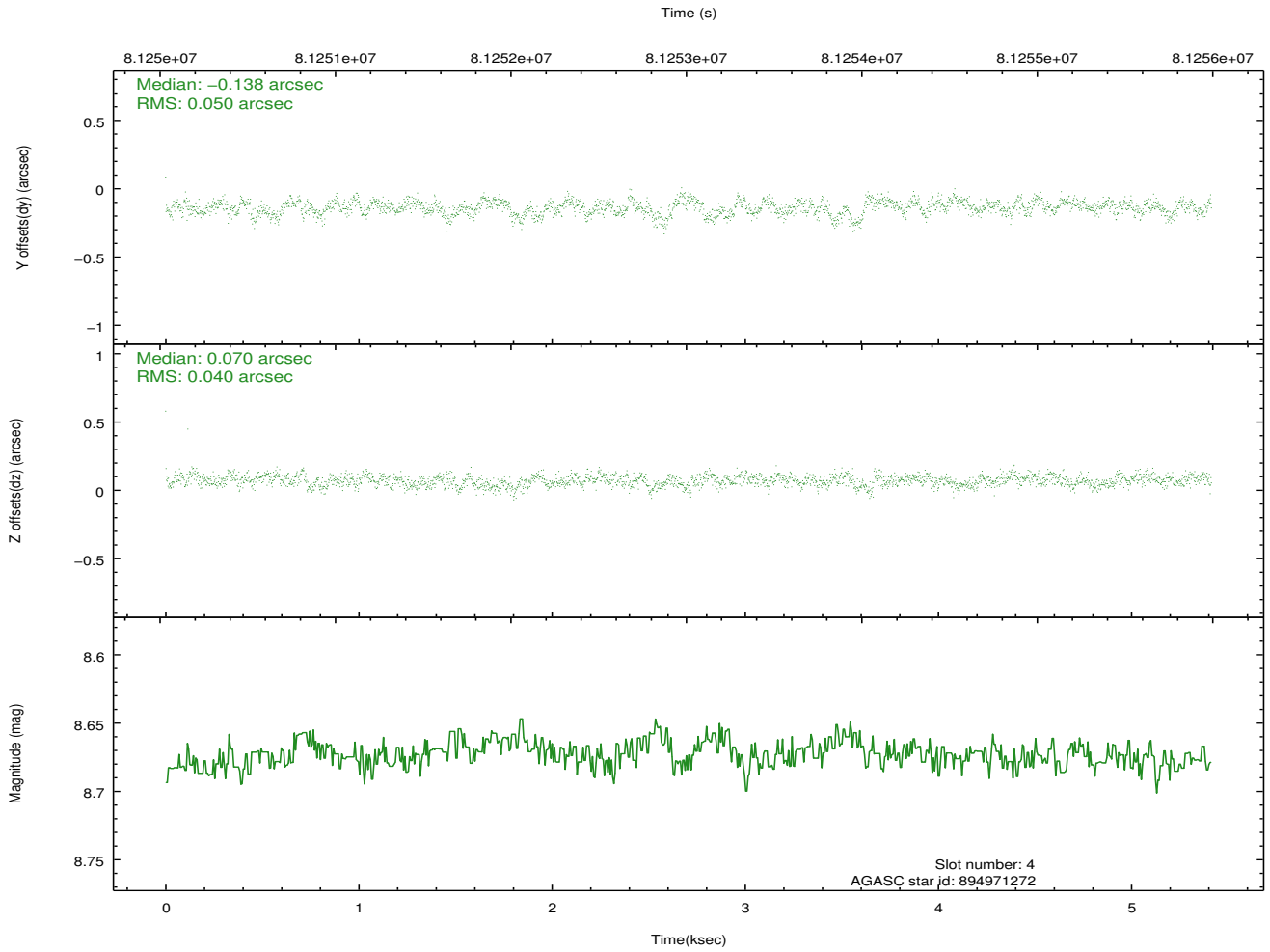
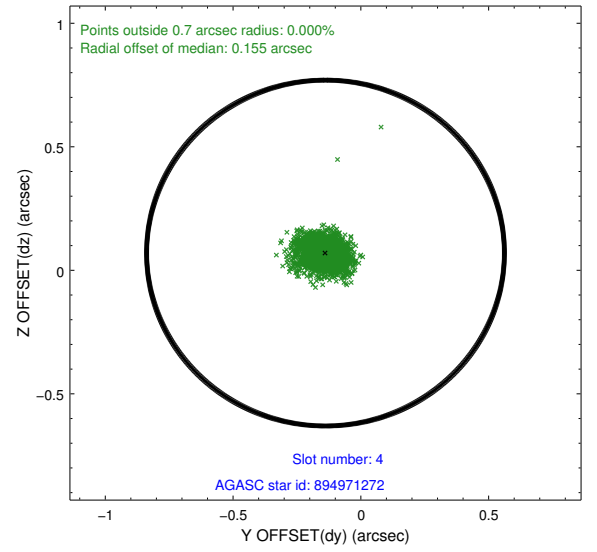
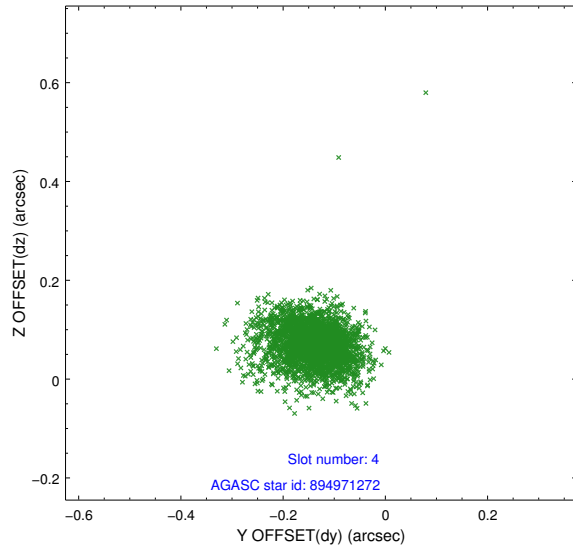
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.14	1321	-0.028	-0.031	0.009	0.014	0.000000	0.000000	-755.57	-834.33
1	FID	ACIS-I-4	7.19	1321	-0.036	0.034	0.006	0.011	0.000000	0.000000	2157.97	1071.36
2	FID	ACIS-I-5	7.23	1321	-0.037	0.067	0.009	0.014	0.000000	0.000000	-1807.98	1070.50
3	GUIDE	894972104	6.86	2642	-0.102	0.144	0.059	0.104	267.489380	-24.207054	-2001.95	1646.26
4	GUIDE	894971272	8.67	2642	-0.138	0.070	0.065	0.114	267.055800	-24.327060	-1586.54	219.10
5	GUIDE	895489248	8.83	2640	0.015	-0.067	0.069	0.109	266.526793	-24.872603	364.52	-1528.03
6	GUIDE	895484264	8.27	2642	-0.008	-0.016	0.061	0.097	267.582371	-25.263146	1803.98	1899.97
7	GUIDE	895489704	8.80	2640	0.230	-0.128	0.093	0.149	266.328076	-25.361339	2122.39	-2183.89

2.4 Star Slots

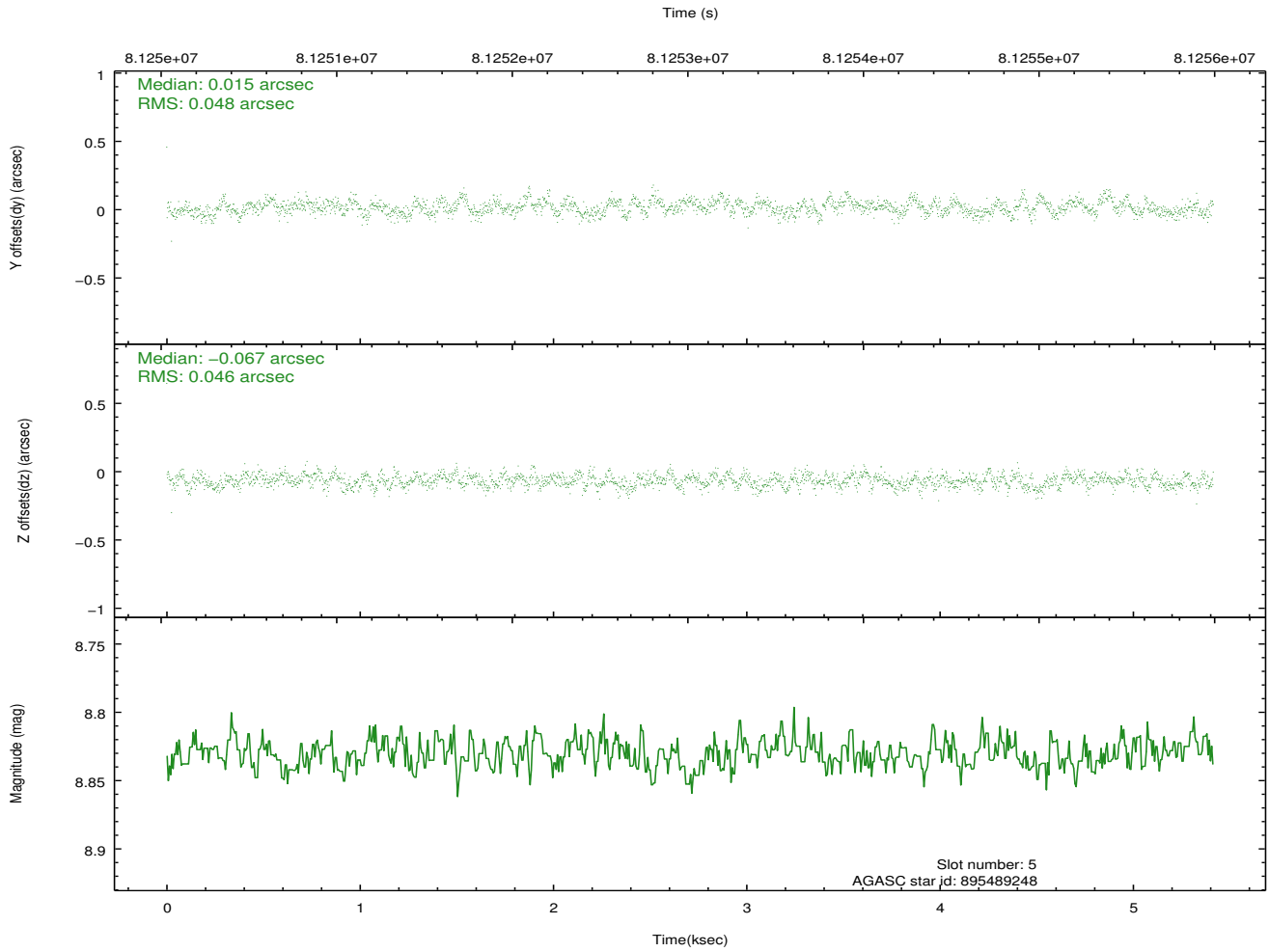
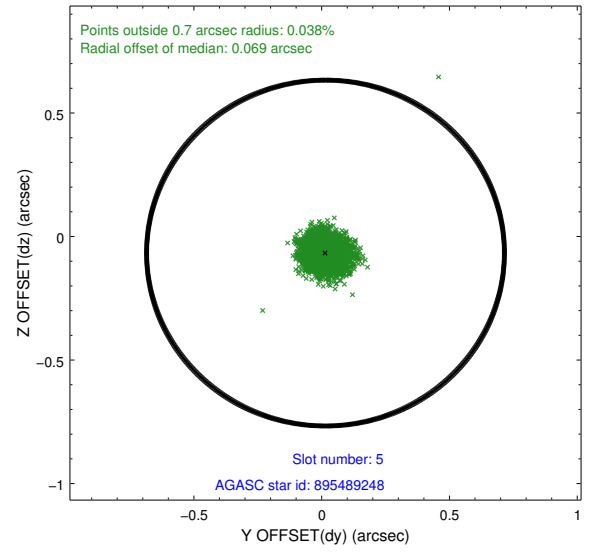
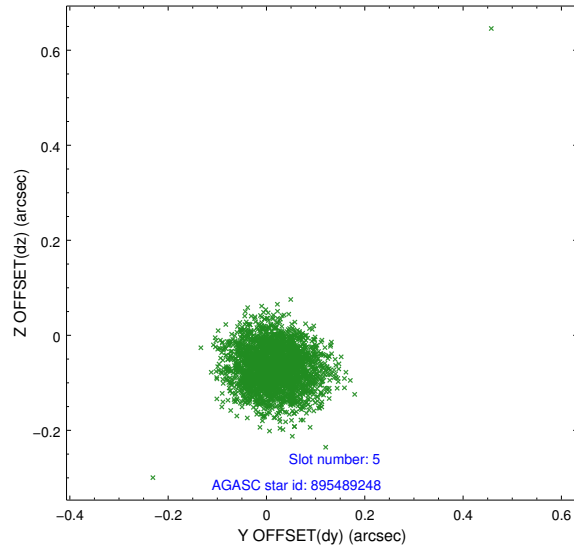
2.4.1 Slot 3



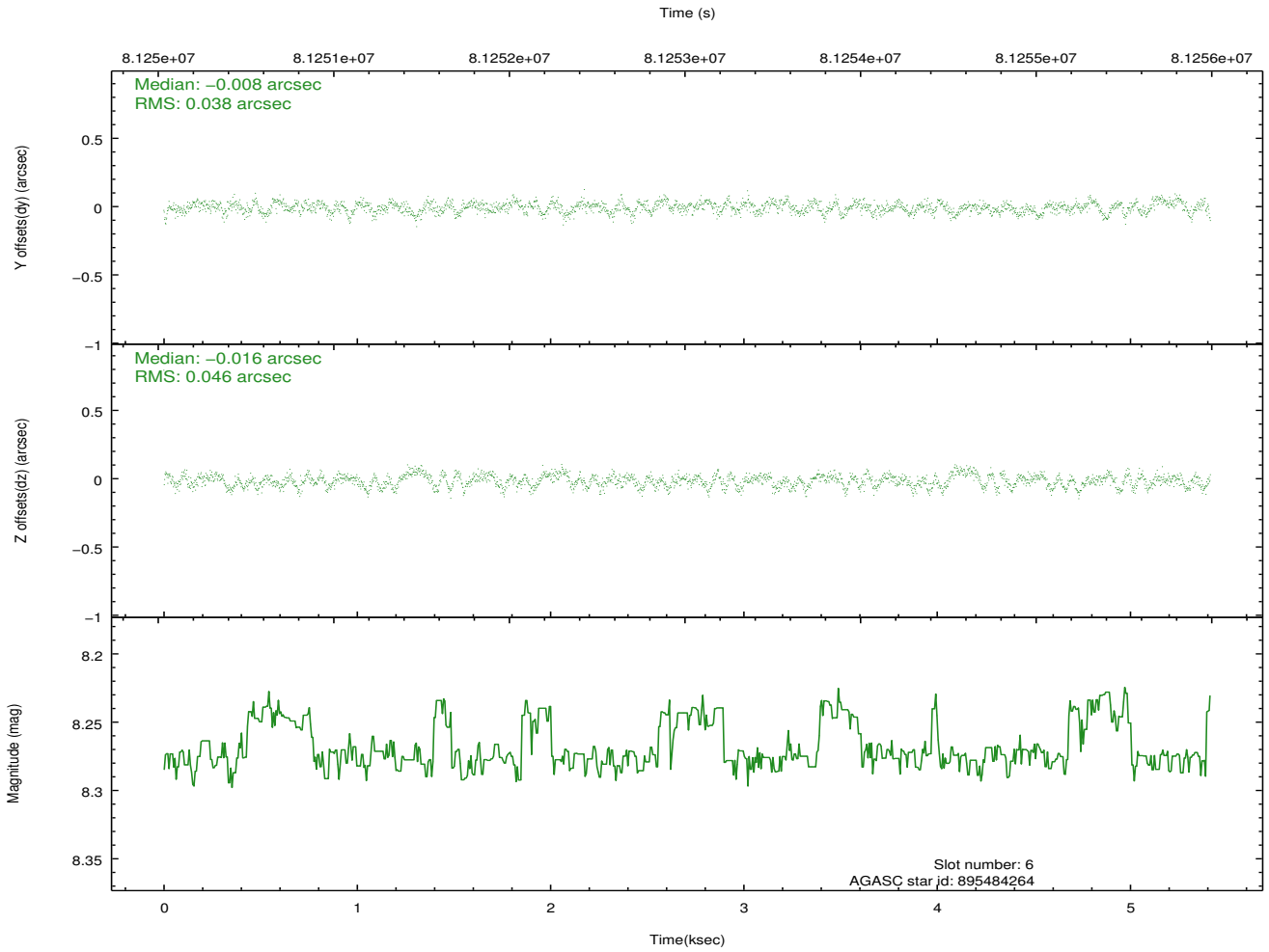
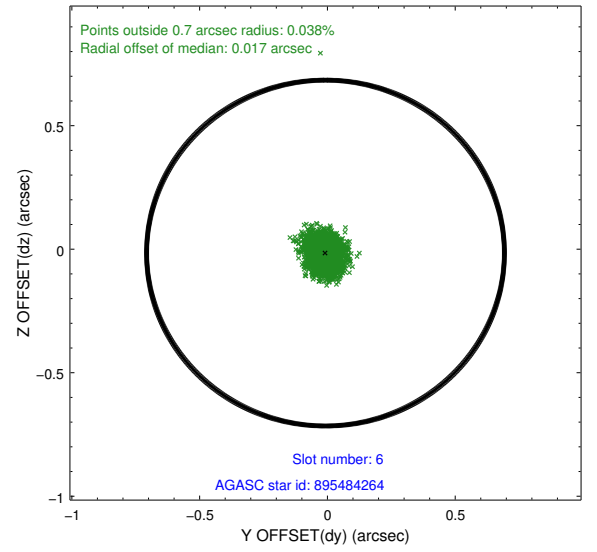
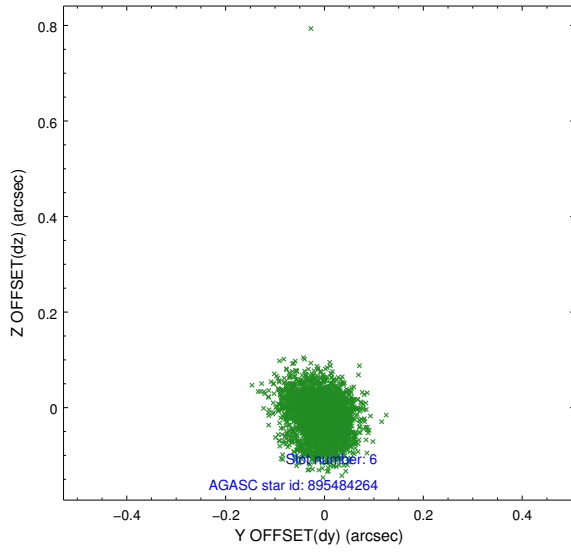
2.4.2 Slot 4



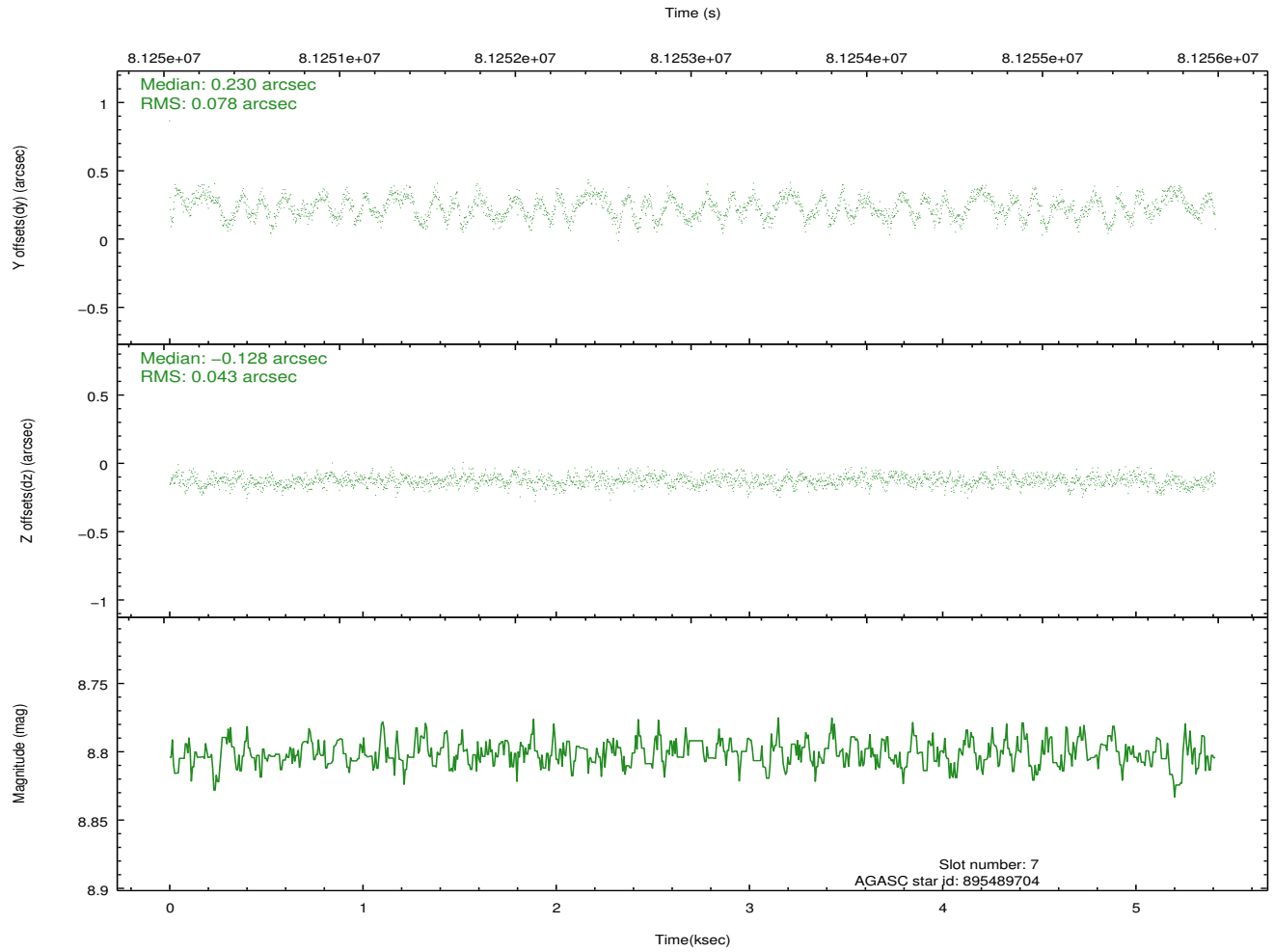
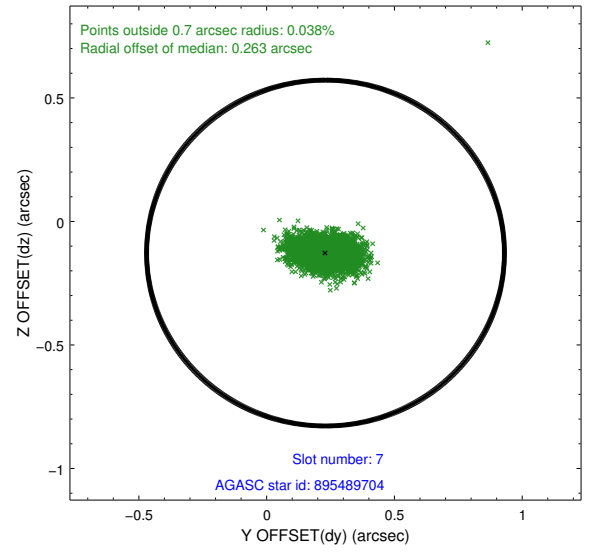
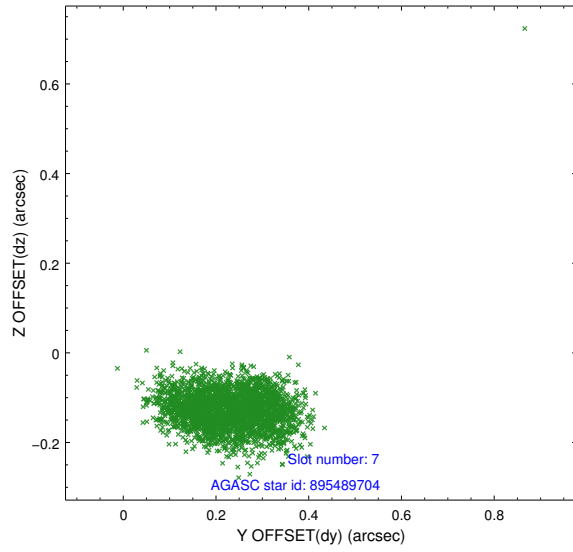
2.4.3 Slot 5



2.4.4 Slot 6

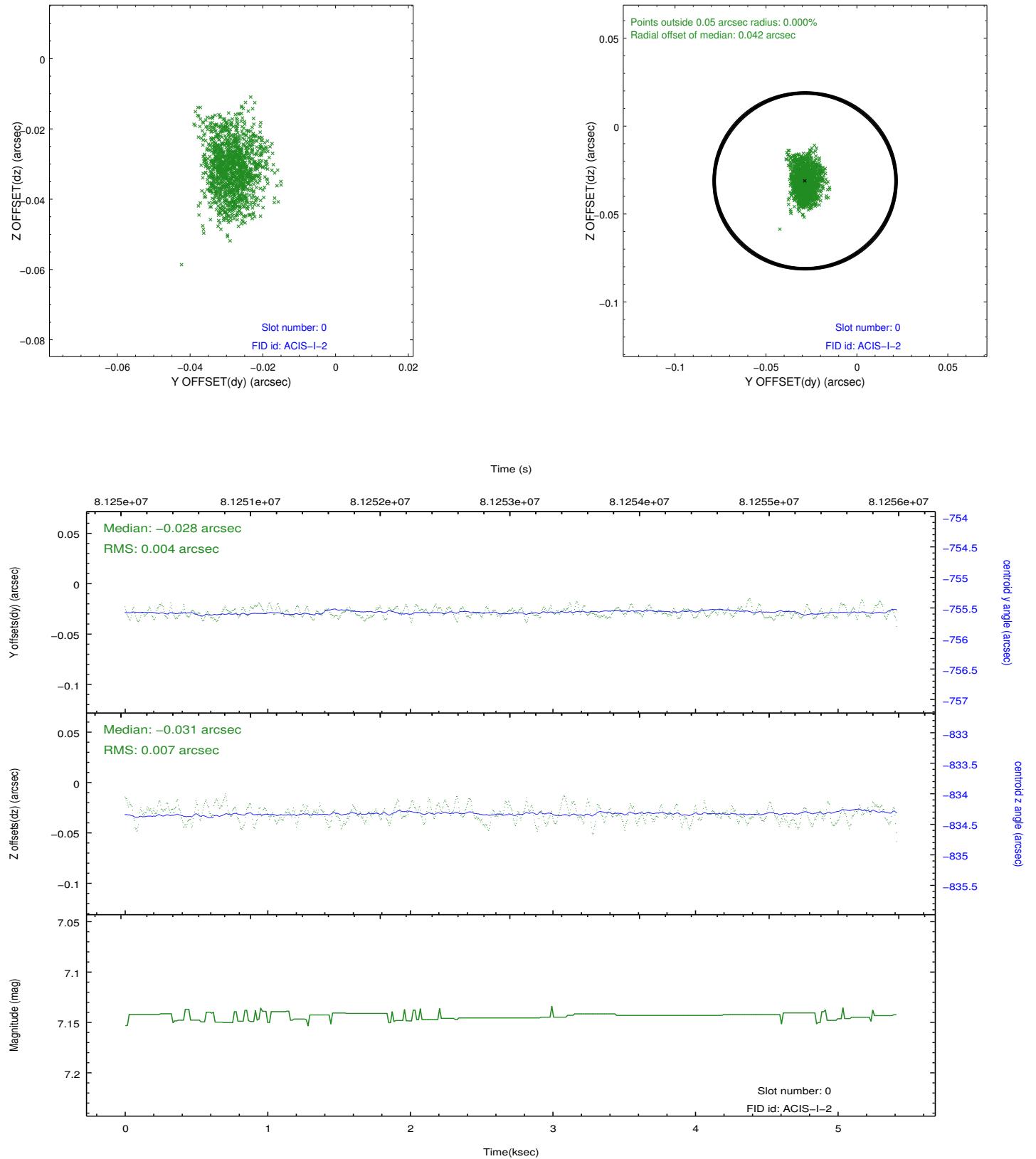


2.4.5 Slot 7

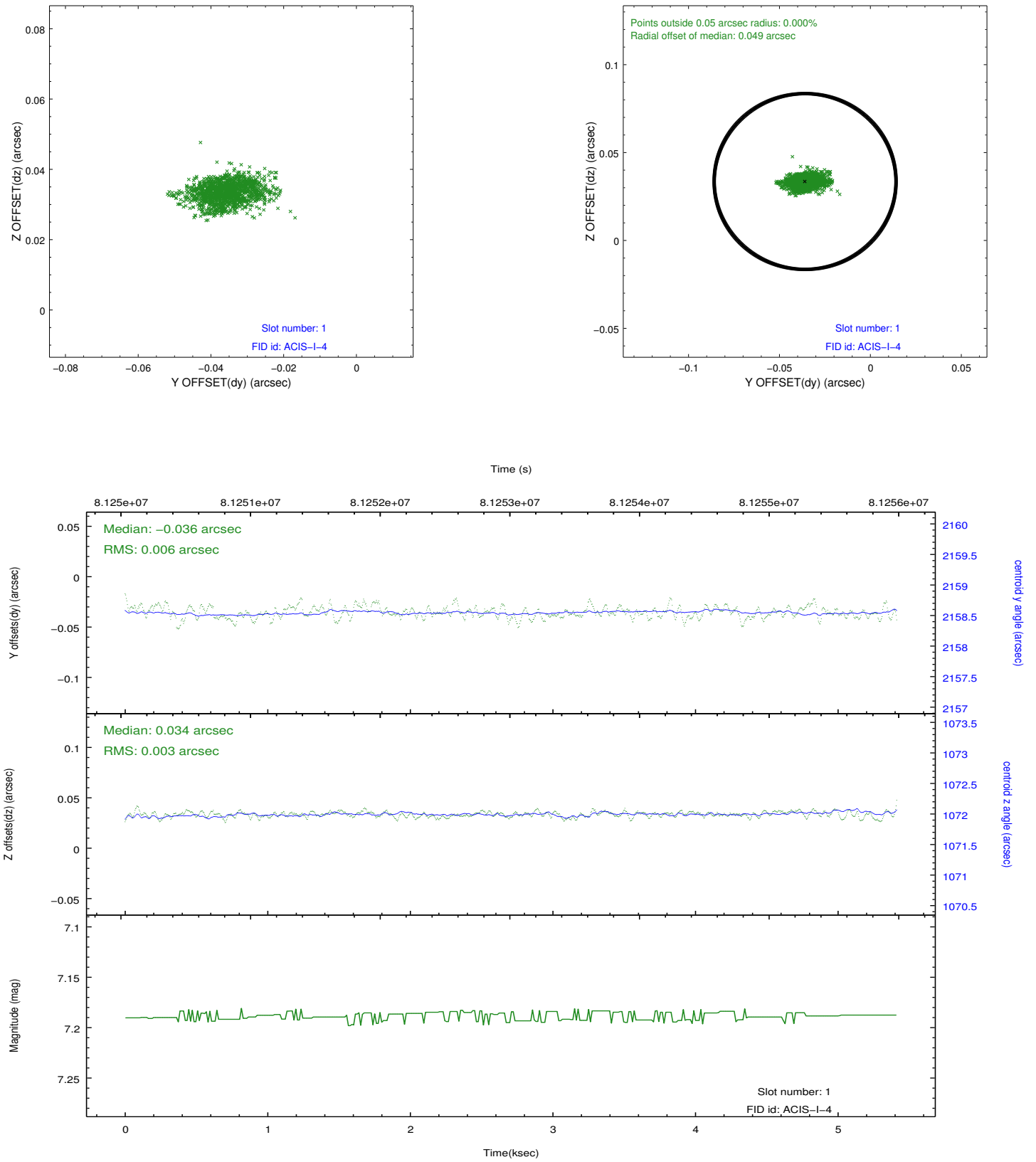


2.5 FID Slots

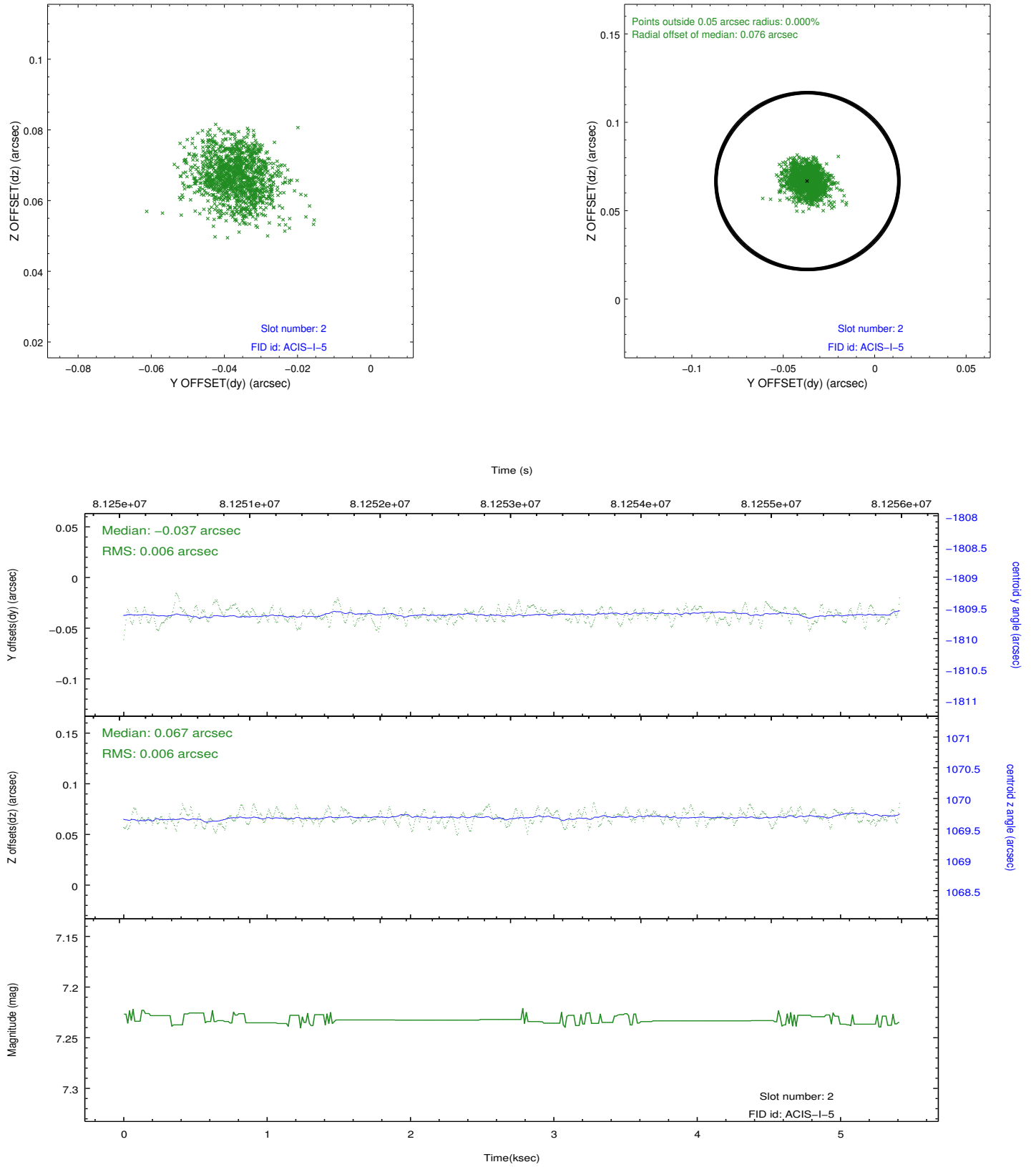
2.5.1 Slot 0



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)	2012.09.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.413

A.2 Comments

Window constraint met.