

V&V Reference Report

L2 ASCDS Version : 10.2.4

Observation 17417 - L2 Version 1
Chandra X-Ray Center

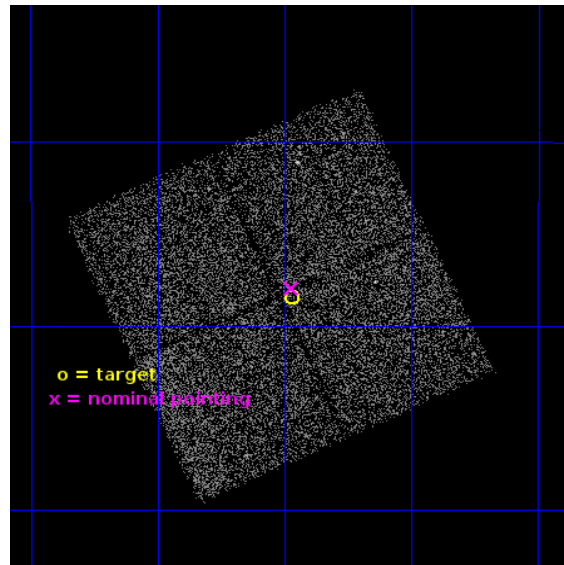
L2 Processing Date : Sep 26 2014

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1 Front

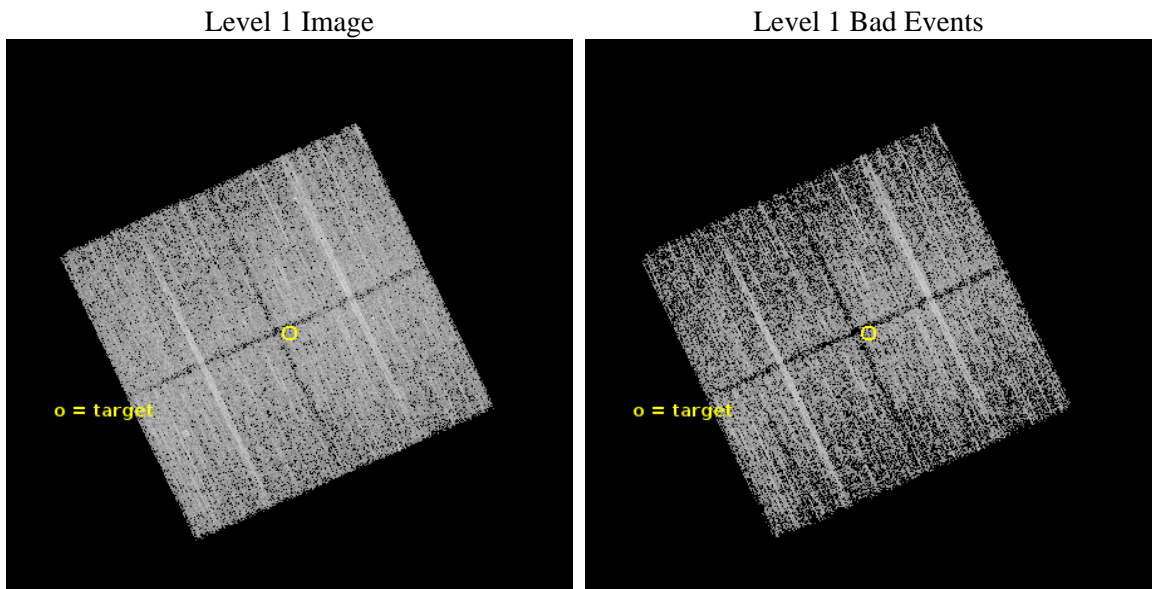
seq_num	901115	Sequence number
obs_id	17417	Observation id
title	The Chandra Deep Field-South: A Peerless Ultradeep Survey for Exploring the Distant X-ray Universe	Proposal title
observer	Prof. W.N. Brandt	Principal investigator
object	Chandra Deep Field-South	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	53.117083	Observer's specified target RA [deg]
dec_targ	-27.807333	Observer's specified target Dec [deg]
ra_nom	53.11823892816	Nominal RA [deg]
dec_nom	-27.799259577607	Nominal Dec [deg]
roll_nom	65.20915458312	Nominal Roll [deg]
revision	1	Processing version of data
ontime	12839.968397498	Sum of GTIs [s]
livetime	12672.204757738	Livetime [s]
ontime0	12839.845287561	Sum of GTIs [s]
ontime1	12843.027357817	Sum of GTIs [s]
ontime2	12836.78634721	Sum of GTIs [s]
ontime3	12839.968397498	Sum of GTIs [s]
l2events	26848	Number of level 2 events



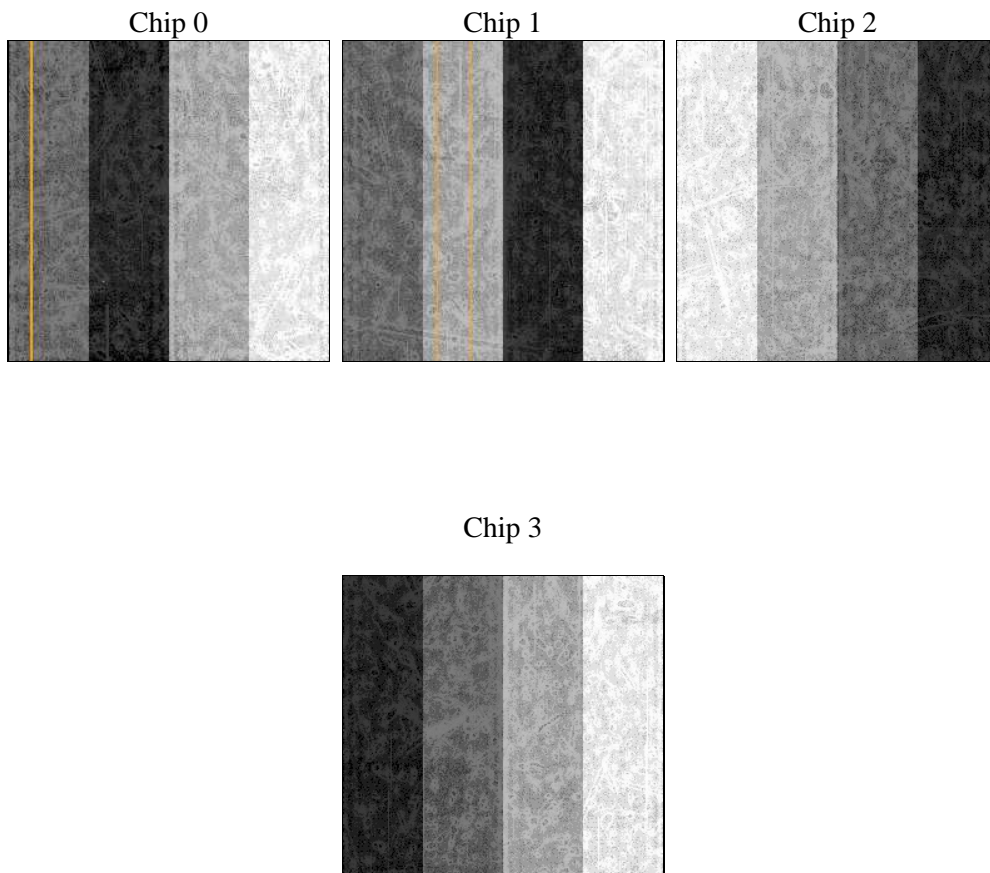
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12751.000000	[s] Scheduled observation exposure time
ascdsver	10.2.4	Processing system revision	ontime	12839.968397498	Sum of GTIs [s]
caldsver	4.6.3	 	ontime0	12839.845287561	Sum of GTIs [s]
date	2014-09-26T14:41:13	Date and time of file creation	ontime1	12843.027357817	Sum of GTIs [s]
revision	1	Processing version of data	ontime2	12836.78634721	Sum of GTIs [s]
			ontime3	12839.968397498	Sum of GTIs [s]
			l1events	258834	Number of level 1 events

2.1.4 Events

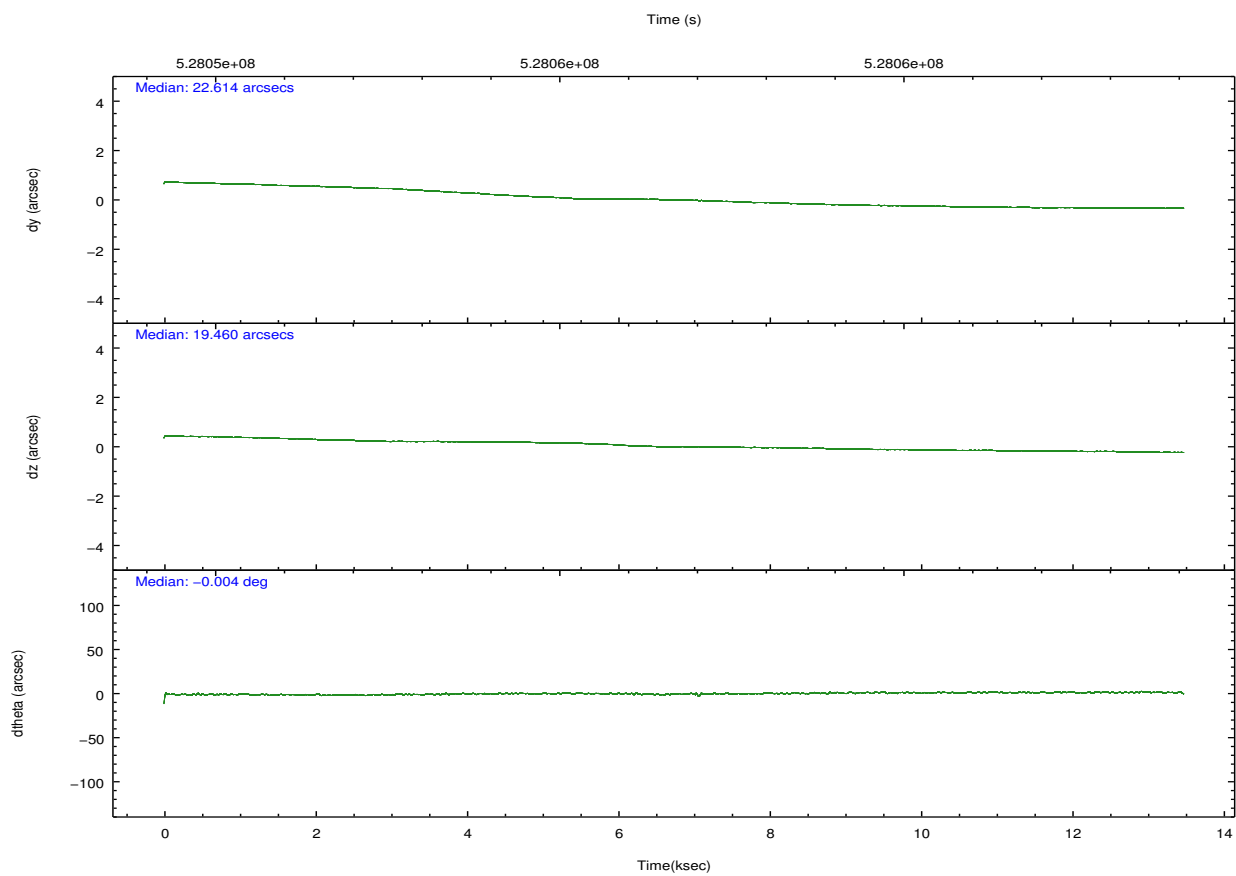
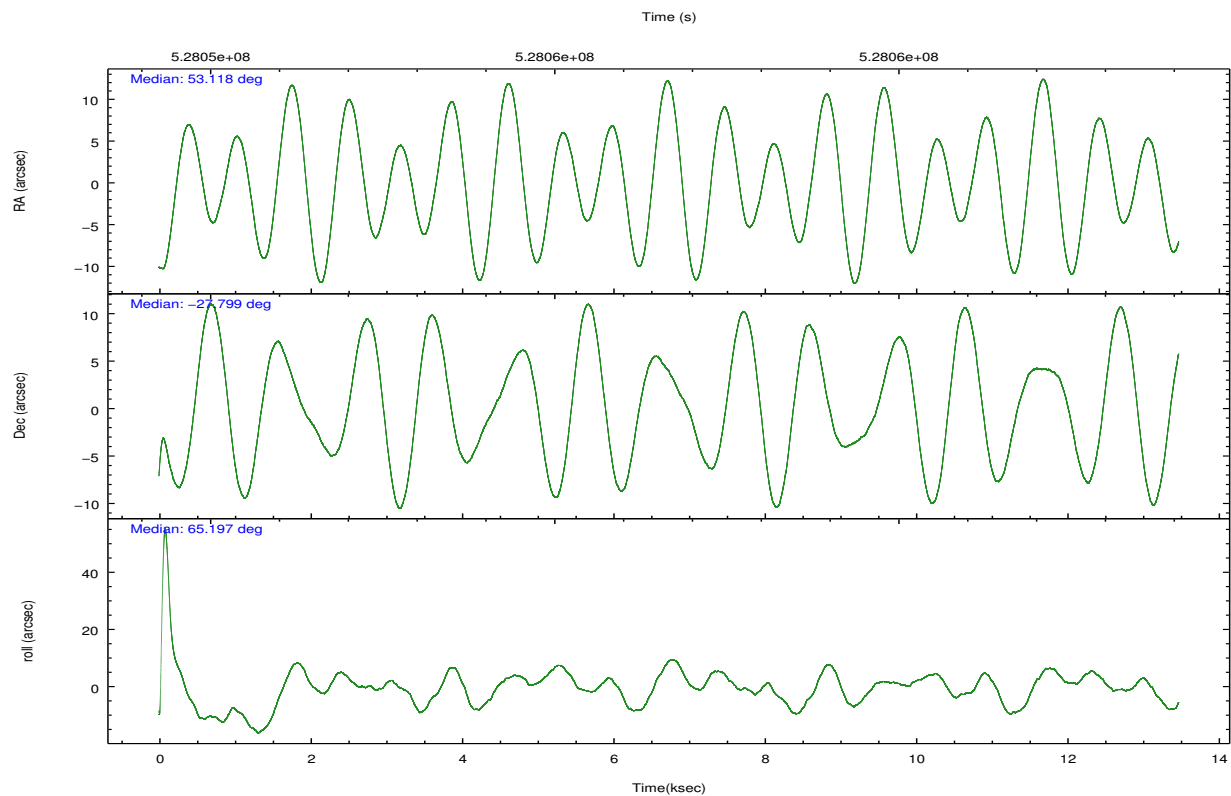
	ccd 0	ccd 1	ccd 2	ccd 3
level 1 events	59432	65069	67972	66361
rejected events	51530	56188	60080	58923
rejected %	86%	86%	88%	88%

	ccd 0	ccd 1	ccd 2	ccd 3
grade 0 events	2725	3128	2875	2638
	4%	4%	4%	3%
grade 1 events	33	38	32	44
	0%	0%	0%	0%
grade 2 events	1909	2176	1891	1619
	3%	3%	2%	2%
grade 3 events	846	859	775	720
	1%	1%	1%	1%
grade 4 events	772	856	836	851
	1%	1%	1%	1%
grade 5 events	3162	3351	3057	3620
	5%	5%	4%	5%
grade 6 events	1651	1864	1518	1611
	2%	2%	2%	2%
grade 7 events	48334	52797	56988	55258
	81%	81%	83%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-0123	ACIS-0123	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
[deg] Pointing RA	53.121220	53.11823892816017	Subarray requested	NONE	NONE
[deg] Pointing Dec	-27.826695	-27.79925957760678	Alternating exposures requested	N	N
[deg] Pointing Roll	65.001928	65.20915458311954	[s] Primary exposure time	0.000000	3.1
[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)	528050632.184000	528049292.18402			
Observation start date	2014-09-25T16:42:45	2014-09-25T16:21:32			
[s] Observation end time (MET)	528063383.184000	528064424.77236			
Observation end date	2014-09-25T20:15:16	2014-09-25T20:33:44			
Read mode	TIMED	TIMED			

2.3 Aspect

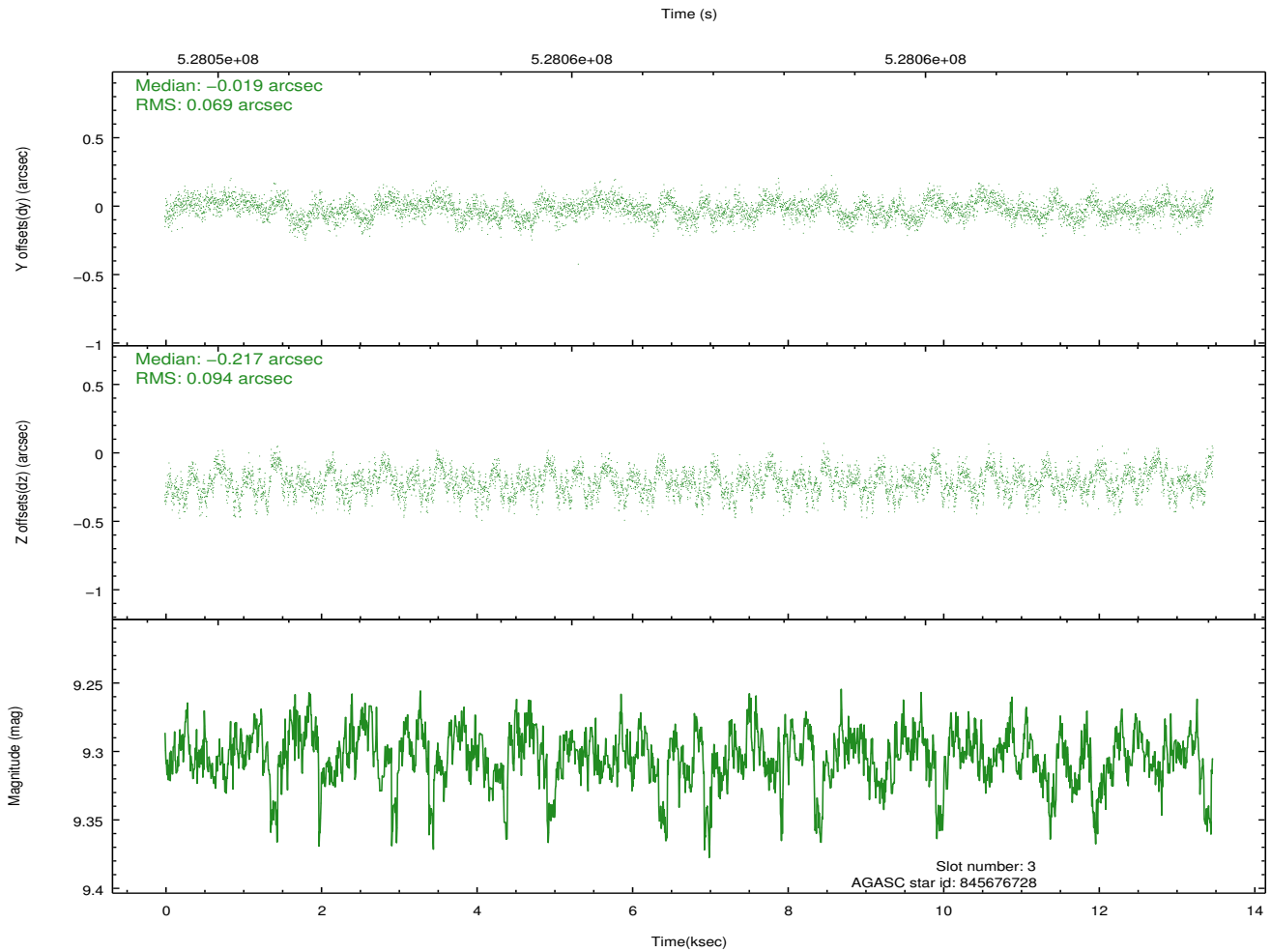
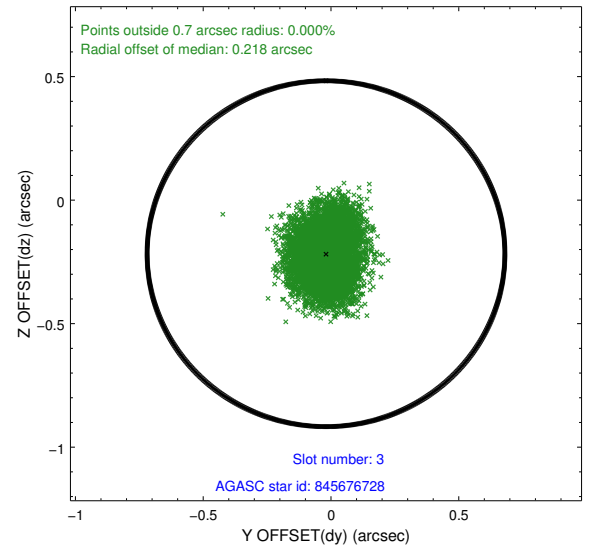
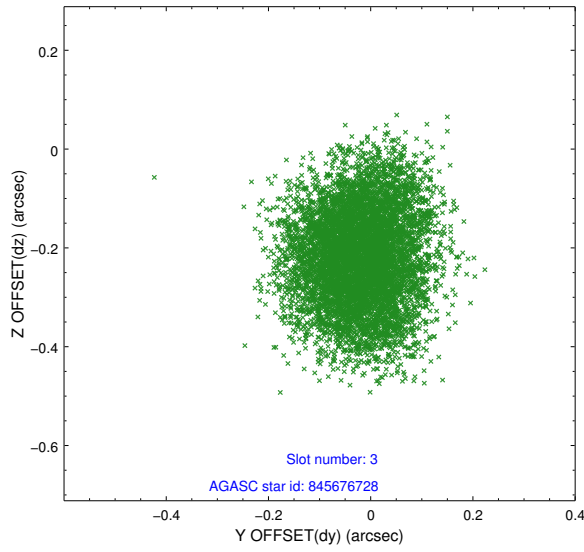


Slot Statistics

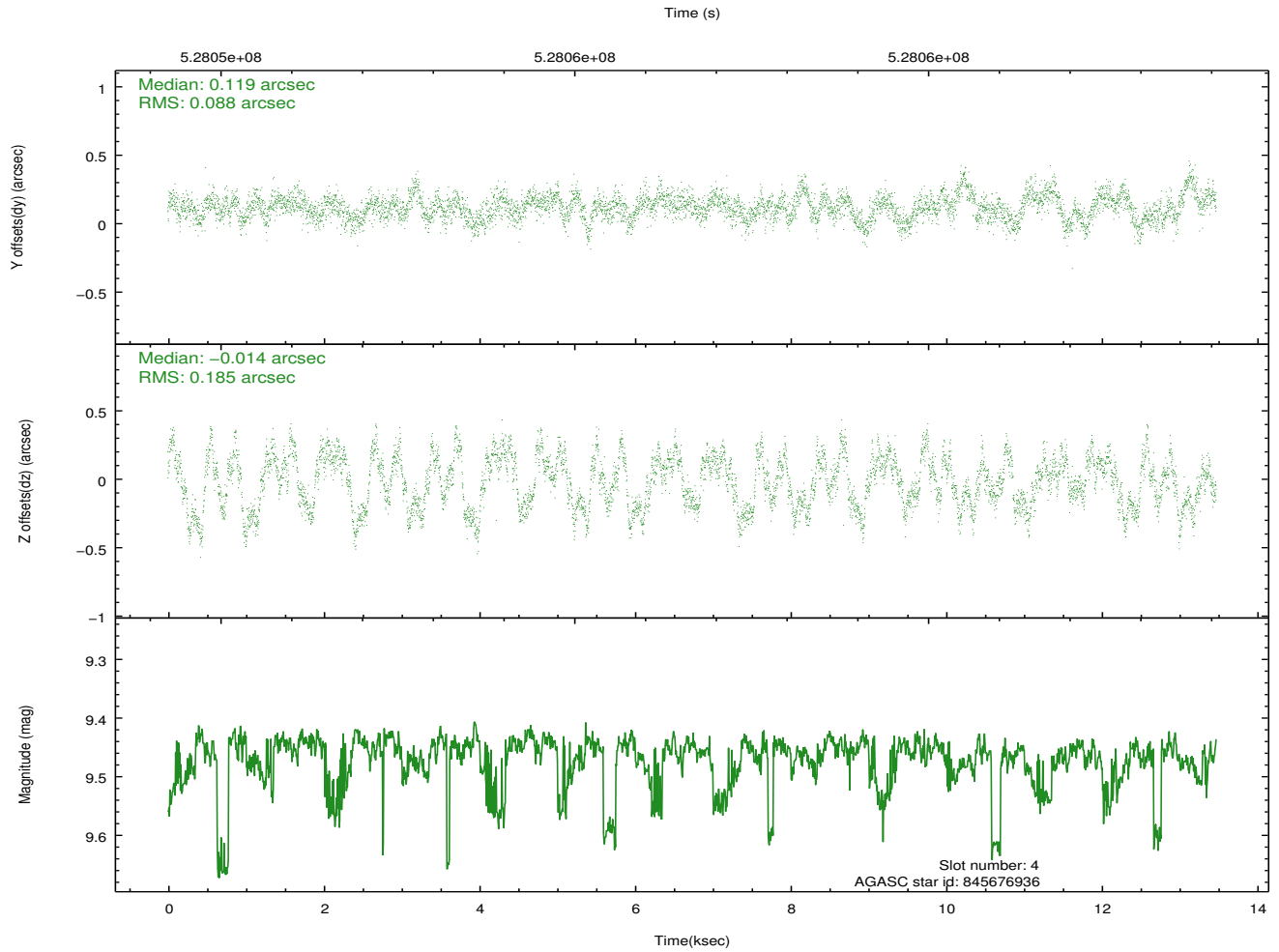
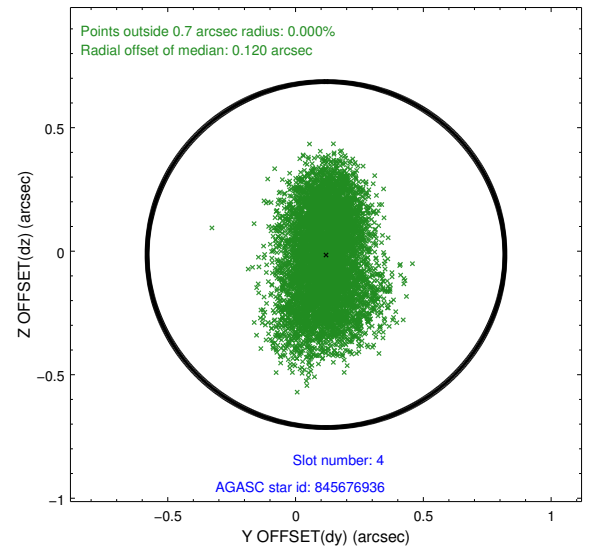
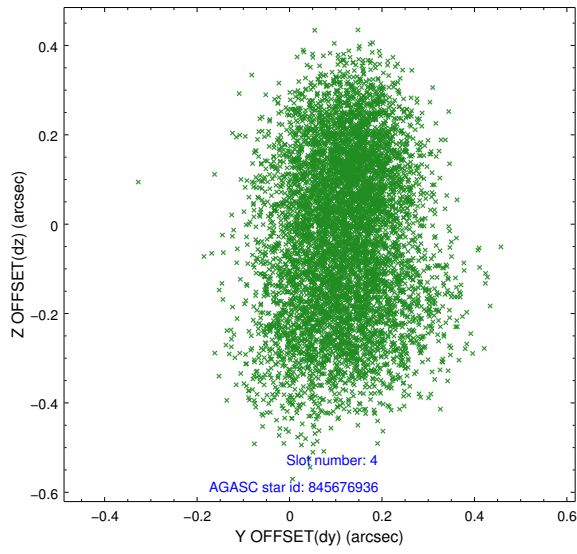
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.08	3287	0.032	0.022	0.011	0.019	0.000000	0.000000	916.63	-843.17
1	FID	ACIS-I-5	7.07	3287	-0.276	0.024	0.007	0.013	0.000000	0.000000	-1831.67	1054.03
2	FID	ACIS-I-6	7.08	3287	0.153	0.024	0.010	0.017	0.000000	0.000000	381.80	1699.03
3	GUIDE	845676728	9.30	6573	-0.019	-0.217	0.127	0.199	52.877179	-27.664318	200.69	951.90
4	GUIDE	845676936	9.46	6570	0.119	-0.014	0.222	0.349	52.843773	-27.880153	-547.37	718.14
5	GUIDE	845807880	8.77	6572	0.064	0.107	0.109	0.185	53.382027	-27.886093	156.90	-842.47
6	GUIDE	845808496	10.16	6518	-0.135	-0.080	0.201	0.326	53.777917	-27.725281	1211.11	-1744.47
7	BAD	845808968	9.90	6215	-0.022	0.211	0.241	0.388	54.016598	-27.589085	1974.01	-2232.02

2.4 Star Slots

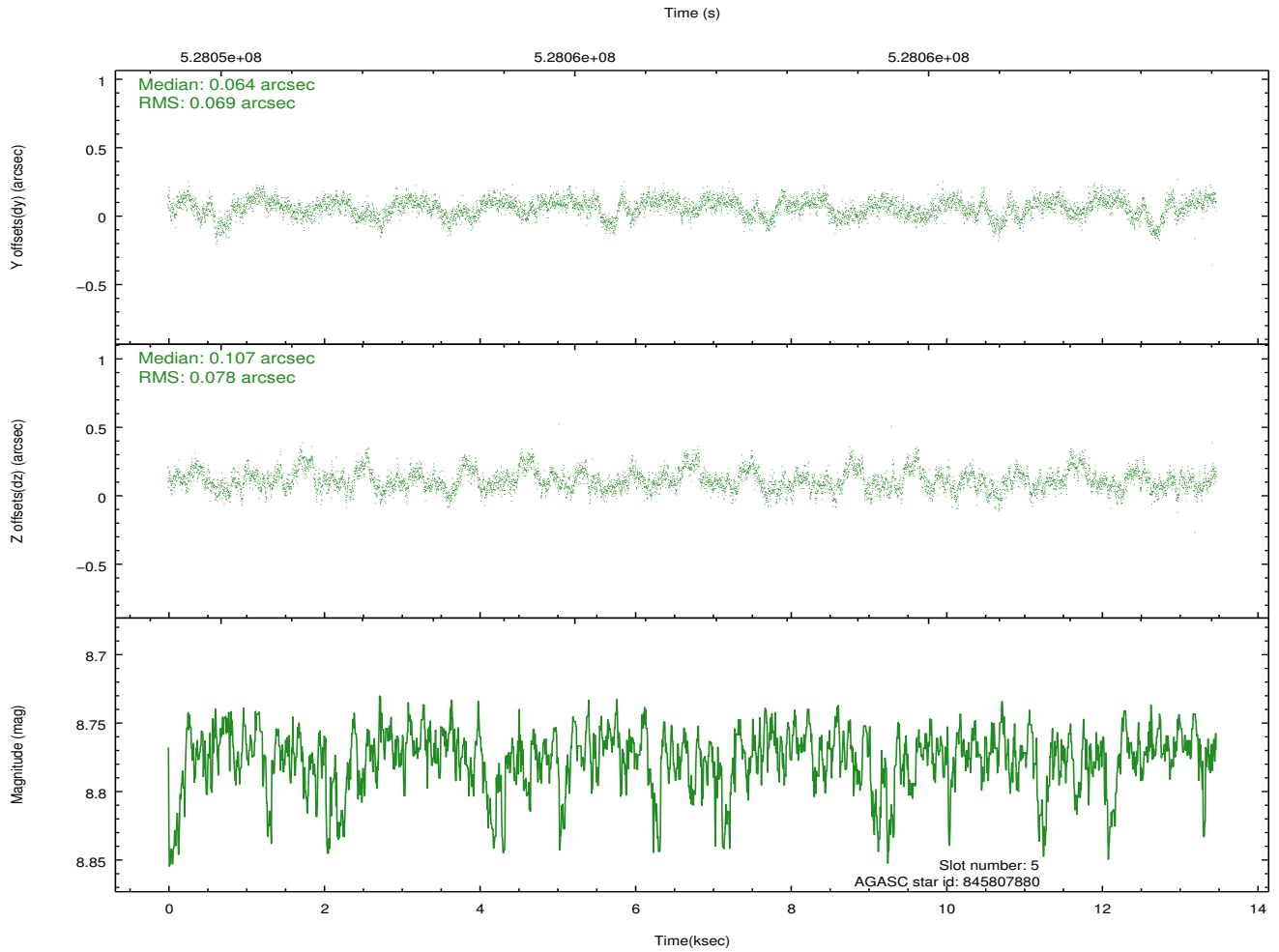
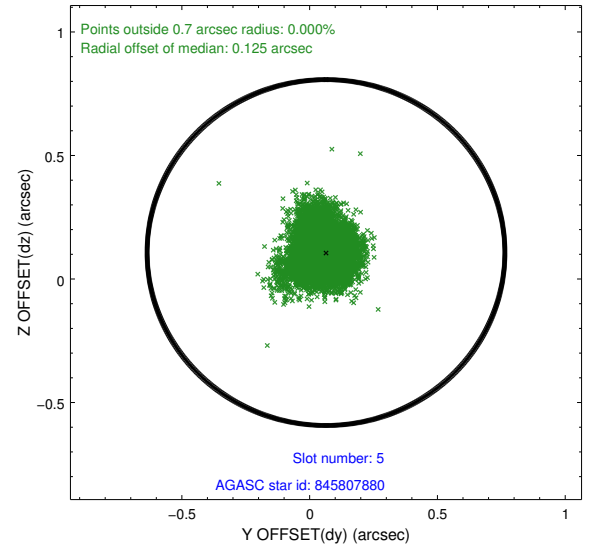
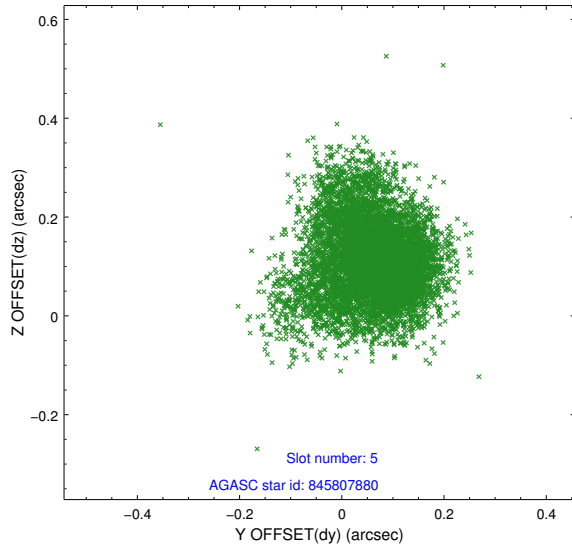
2.4.1 Slot 3



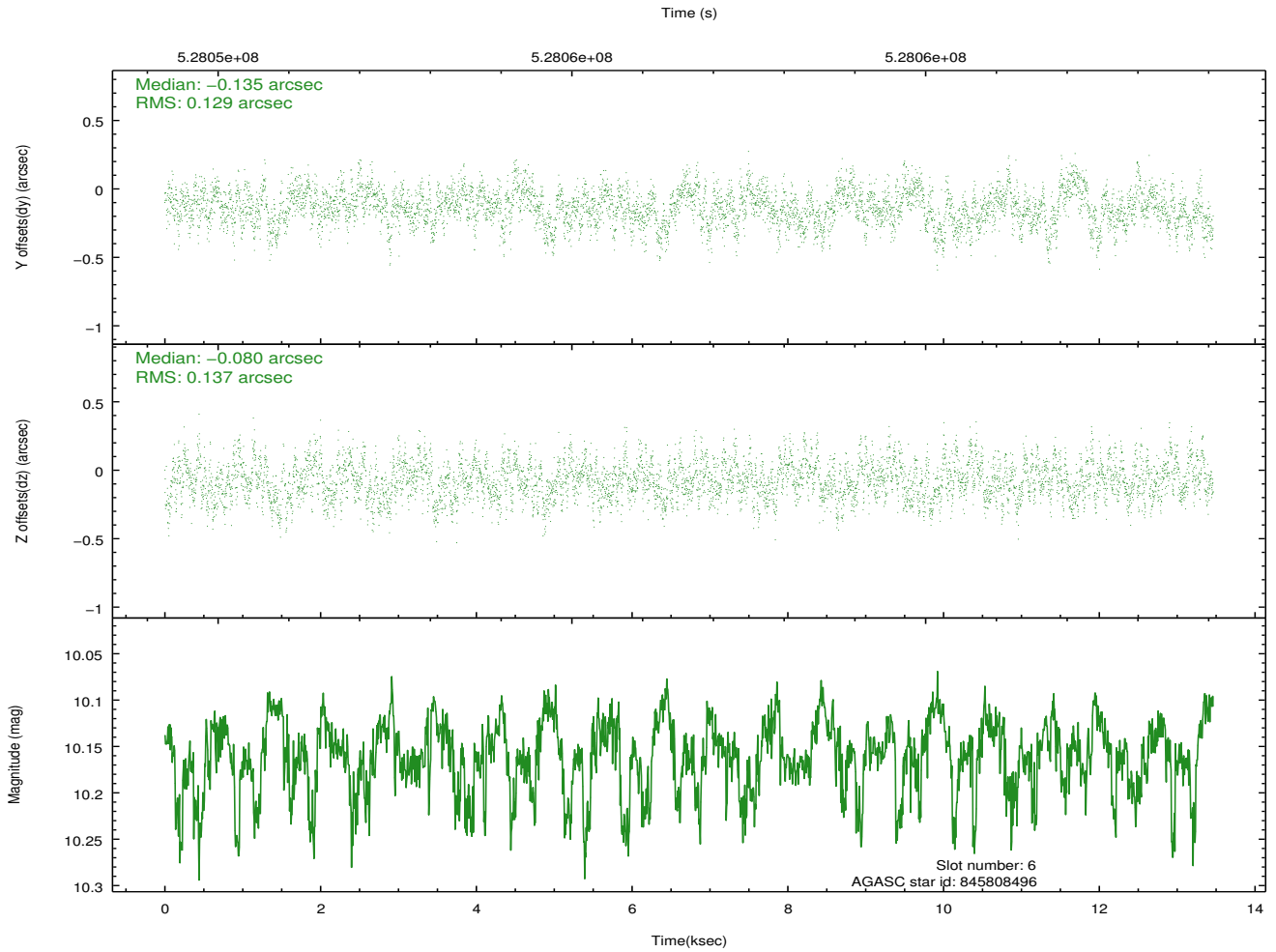
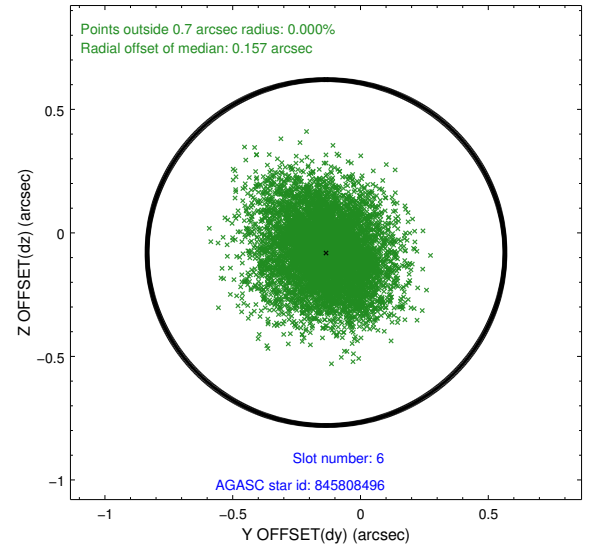
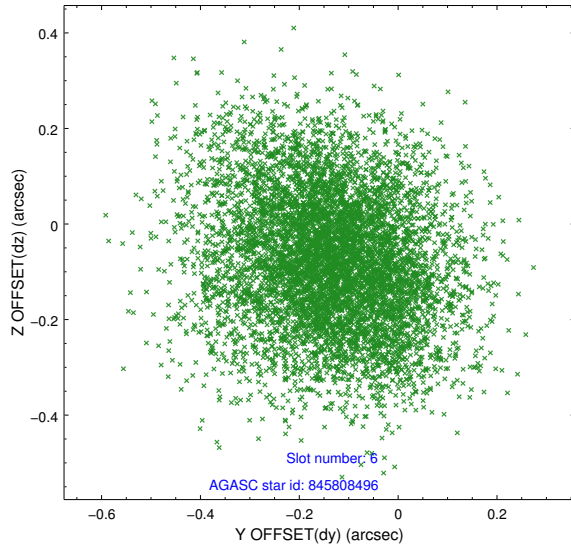
2.4.2 Slot 4



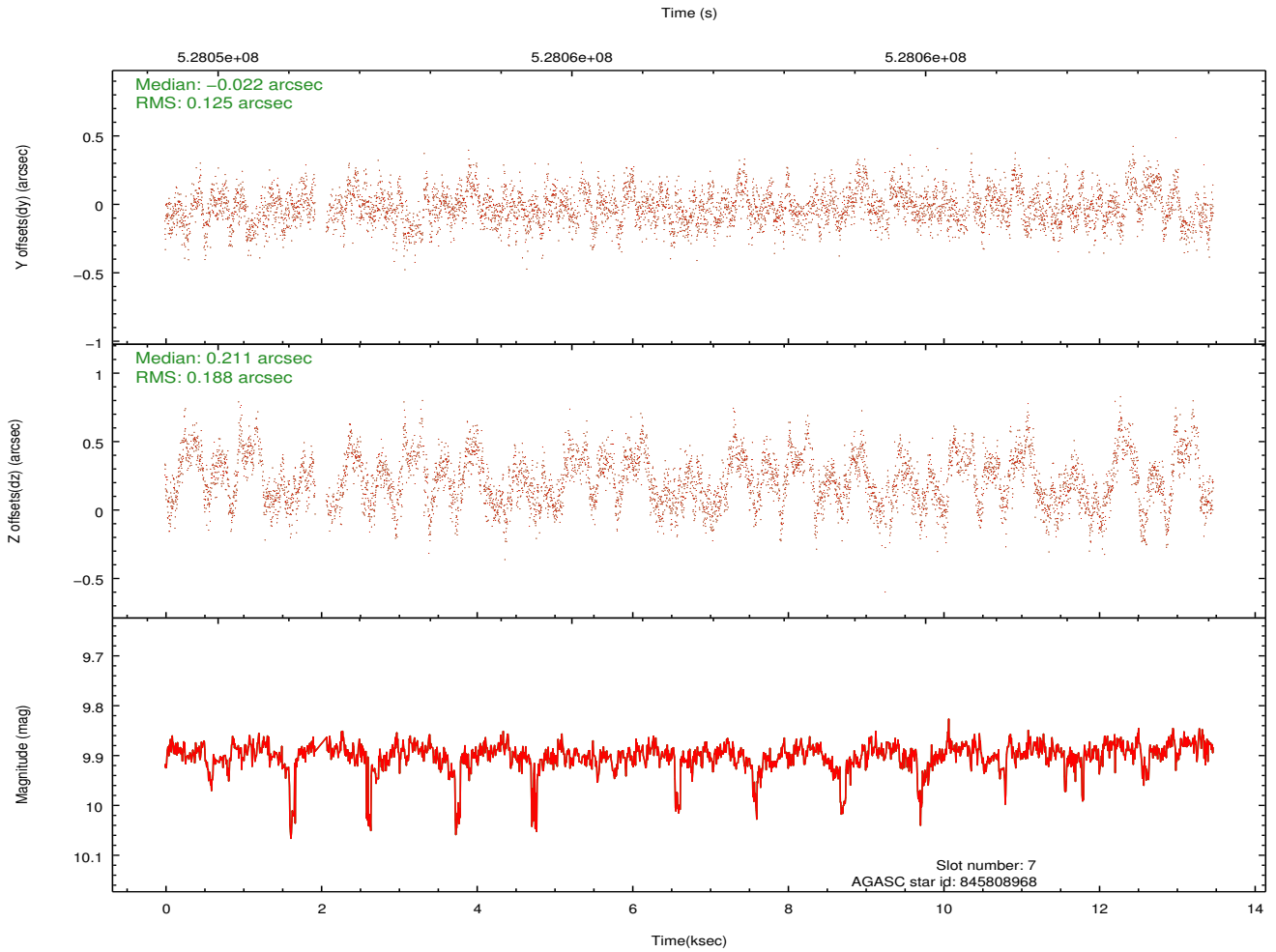
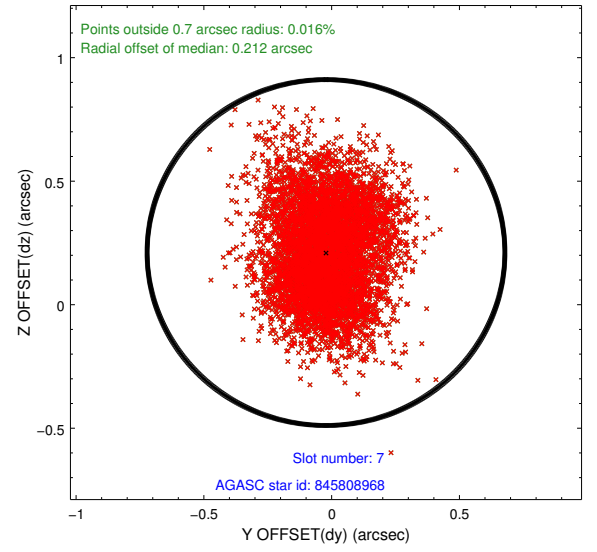
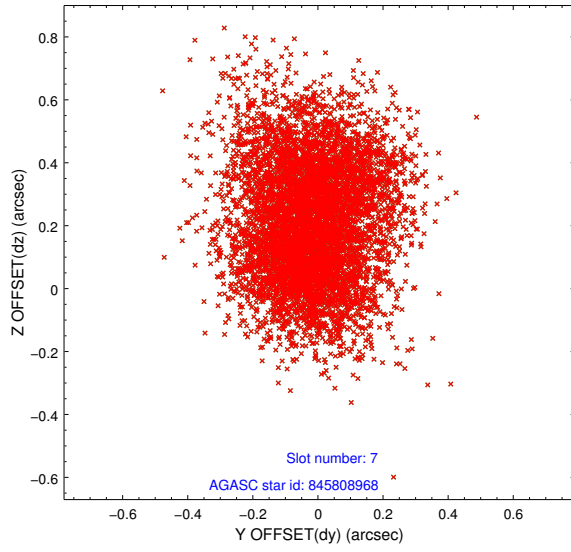
2.4.3 Slot 5



2.4.4 Slot 6

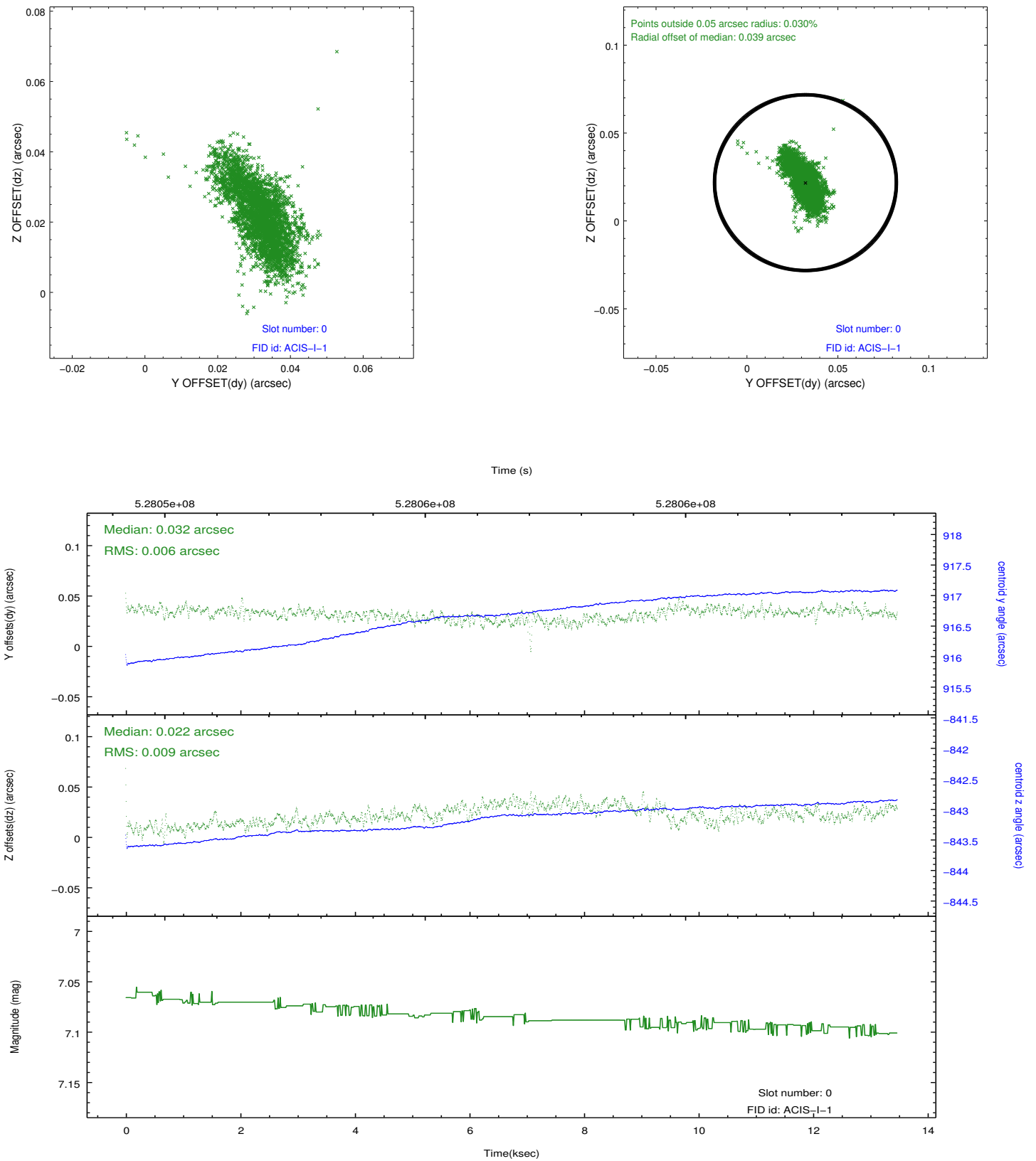


2.4.5 Slot 7

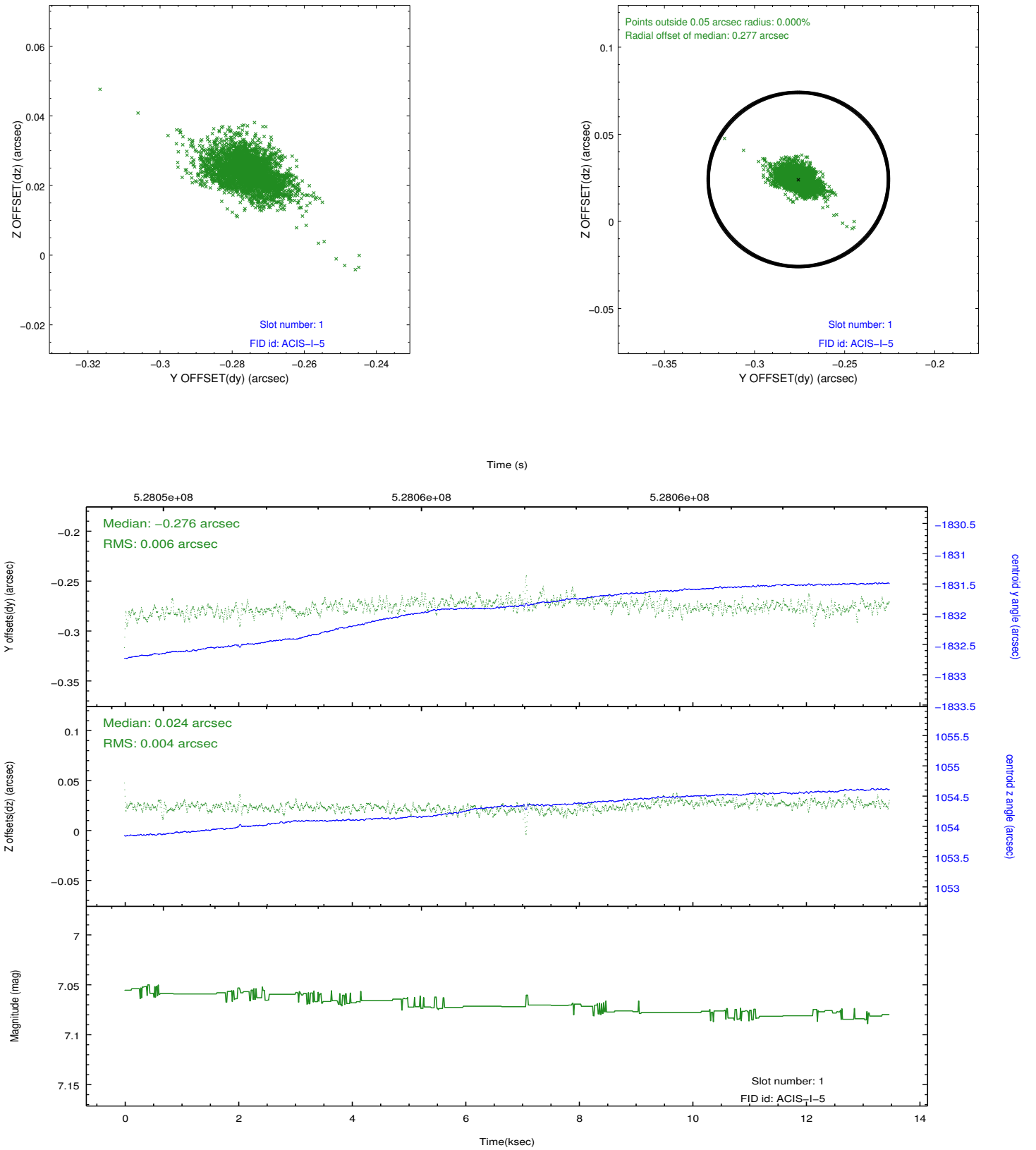


2.5 FID Slots

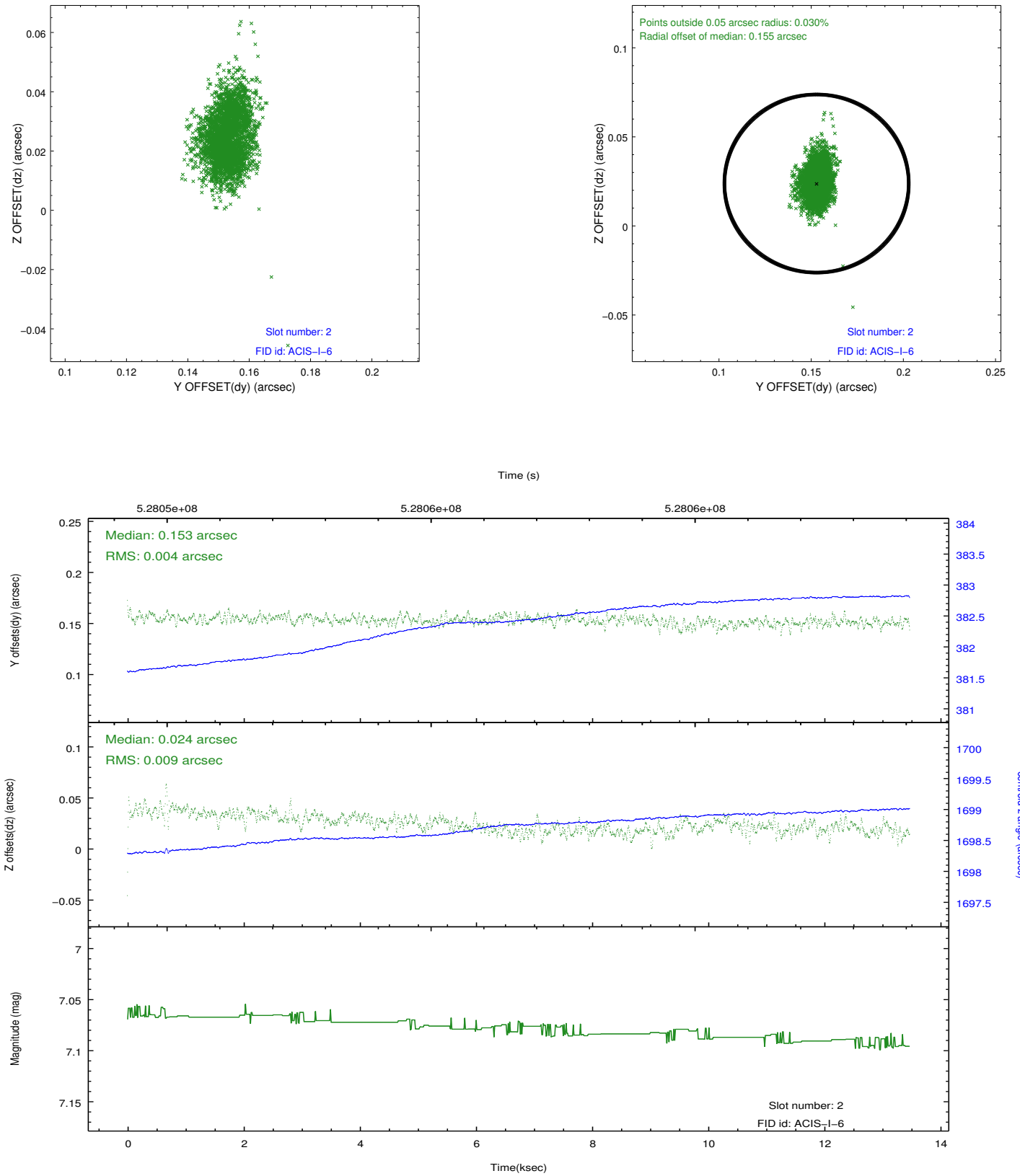
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2014.09.26
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.839968397498

A.2 Comments