

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9686 - L2 Version 2
Chandra X-Ray Center

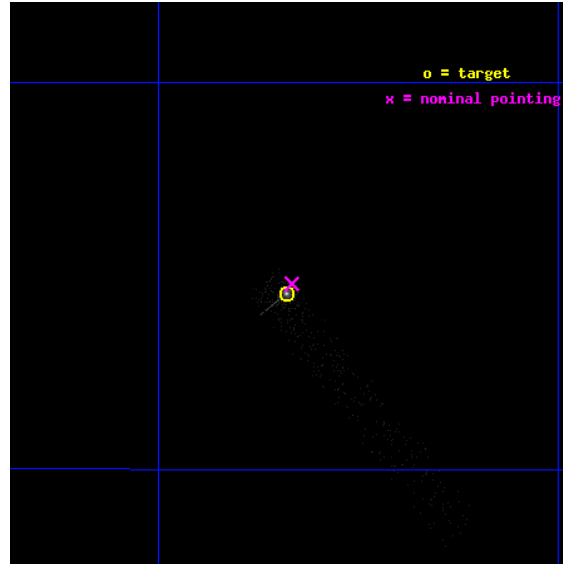
L2 Processing Date : May 18 2012

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1 Front

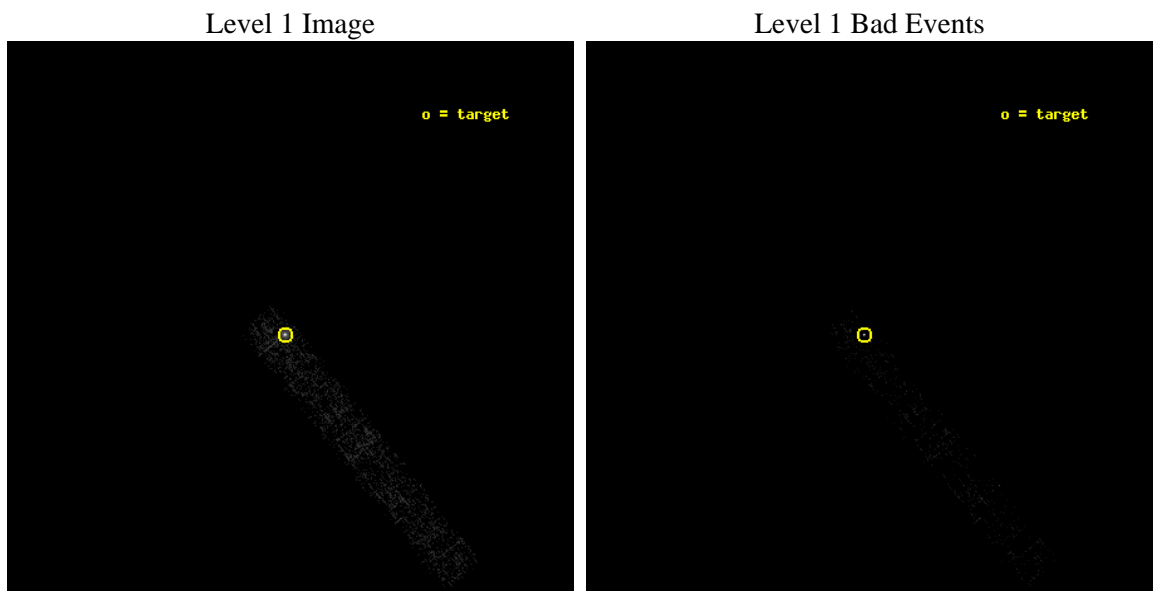
seq_num	290809	Sequence number
obs_id	9686	Observation id
title	AO9 Calibration Observations to Measure the Relative Alignment of the 4 Focal Plane Detectors	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.1666760153	Nominal RA [deg]
dec_nom	45.746554446095	Nominal Dec [deg]
roll_nom	141.51107743451	Nominal Roll [deg]
revision	2	Processing version of data
ontime	2853.0	Sum of GTIs [s]
livetime	2636.5887919562	Livetime [s]
ontime3	2853.0	Sum of GTIs [s]
l2events	5226	Number of level 2 events



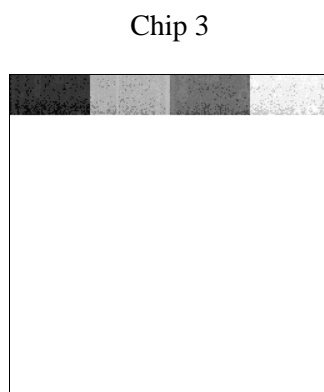
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.938000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	2853.0	Sum of GTIs [s]
caldsver	4.4.9	 	ontime3	2853.0	Sum of GTIs [s]
date	2012-05-18T02:43:48	Date and time of file creation	l1events	10050	Number of level 1 events
revision	2	Processing version of data			

2.1.4 Events

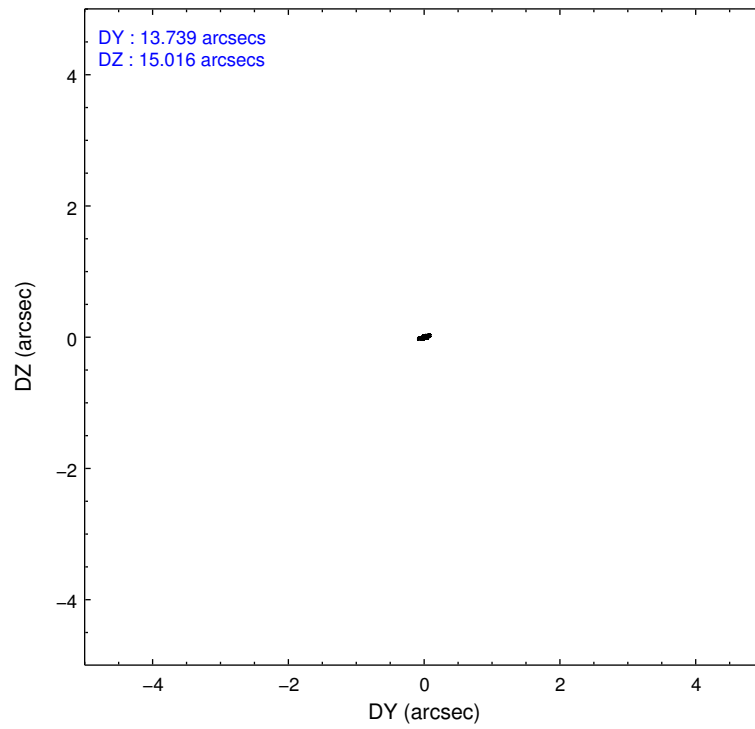
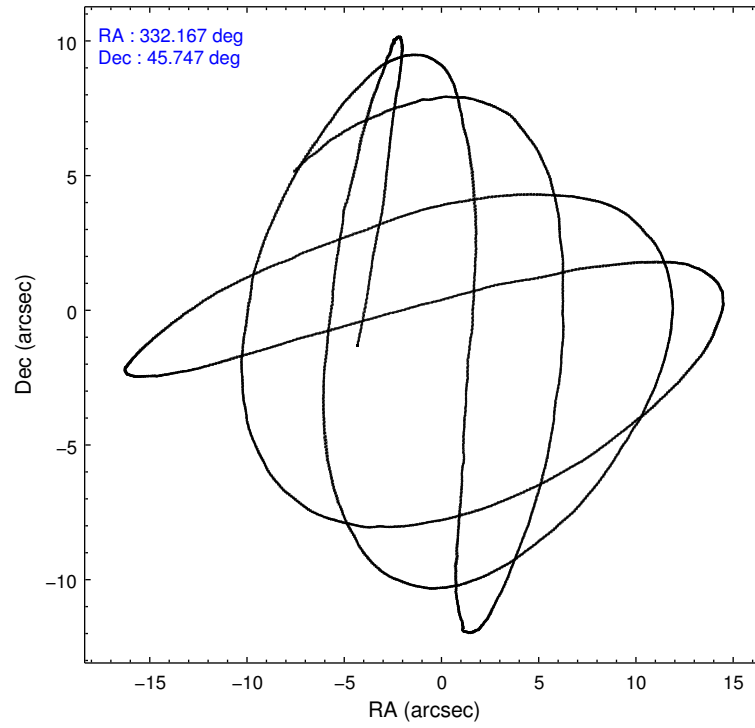
	ccd 3
level 1 events	10050
rejected events	4743
rejected %	47%

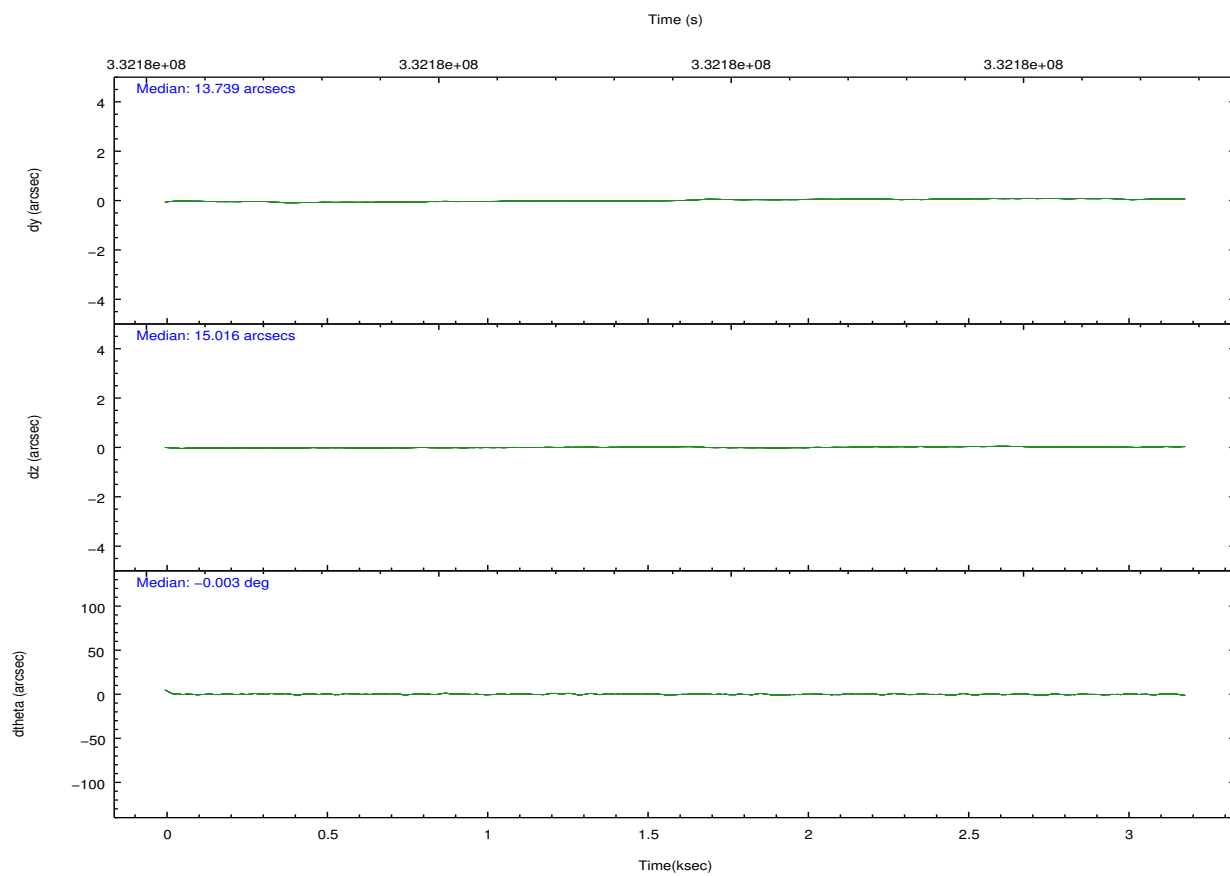
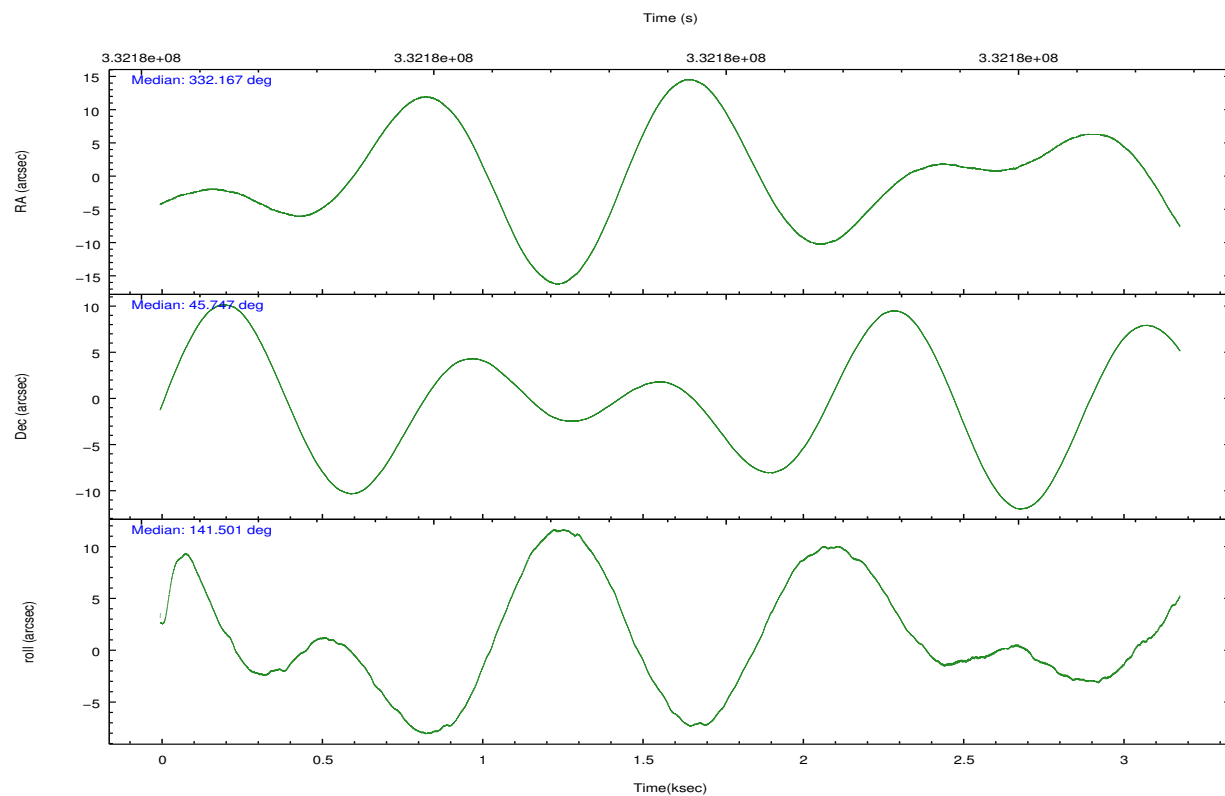
	ccd 3
grade 0 events	3013
	29%
grade 1 events	612
	6%
grade 2 events	934
	9%
grade 3 events	402
	4%
grade 4 events	457
	4%
grade 5 events	662
	6%
grade 6 events	505
	5%
grade 7 events	3465
	34%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-3	ACIS-3	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	332.205657	332.1666760152988	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	45.742426	45.74655444609523	Subarray start row	897	897
[deg] Pointing Roll	141.274464	141.51107743451	Subarray row count	128	128
[mm] SIM focus pos	-0.782348	-0.7809083437167272	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001439871863259334	[s] Primary exposure time	0.000000	0.5
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	332176399.184000	332176022.66305			
Observation start date	2008-07-11T15:12:14	2008-07-11T15:07:02			
[s] Observation end time (MET)	332179400.184000	332179625.53823			
Observation end date	2008-07-11T16:02:15	2008-07-11T16:07:05			
Read mode	TIMED	TIMED			

2.3 Aspect



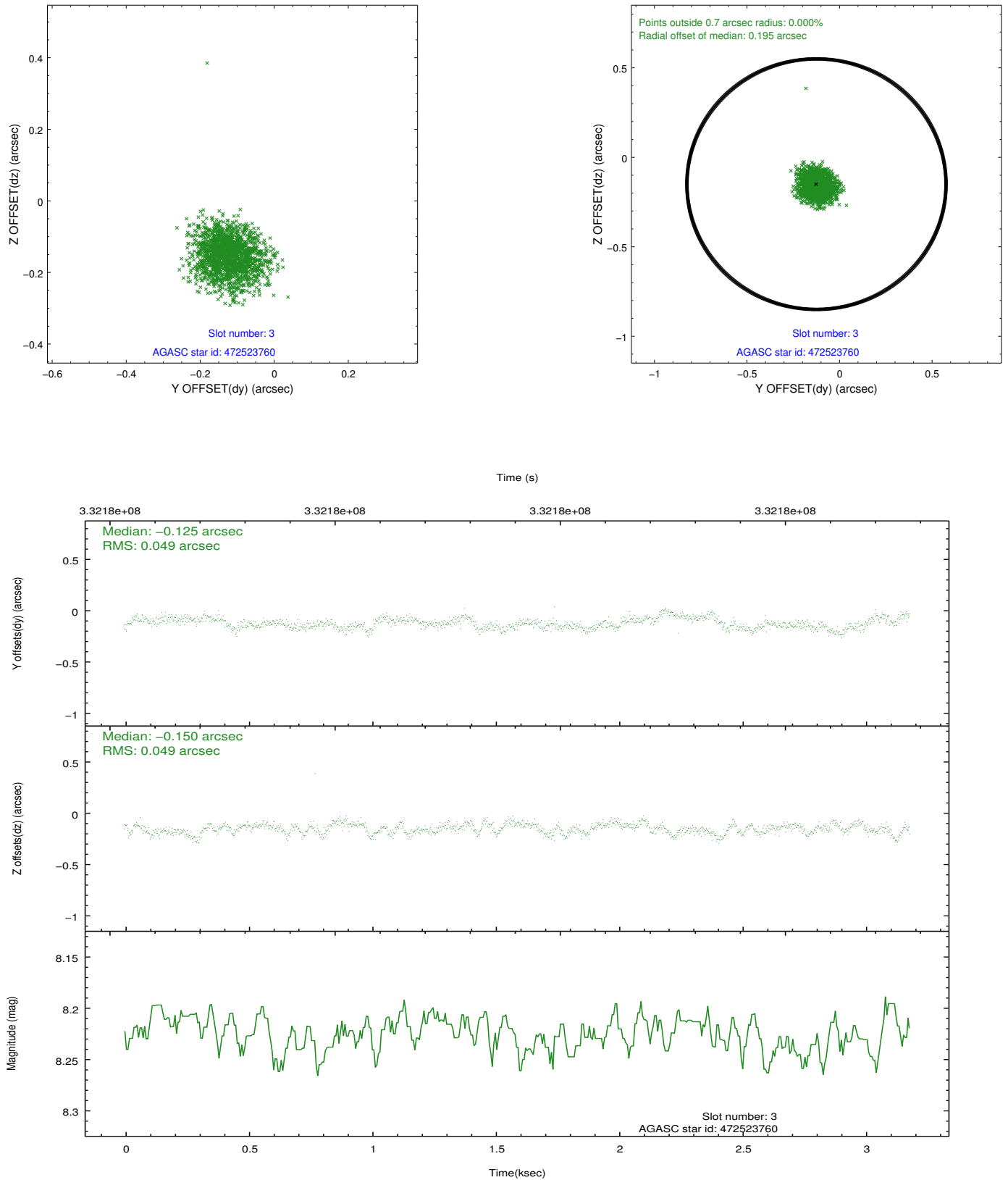


Slot Statistics

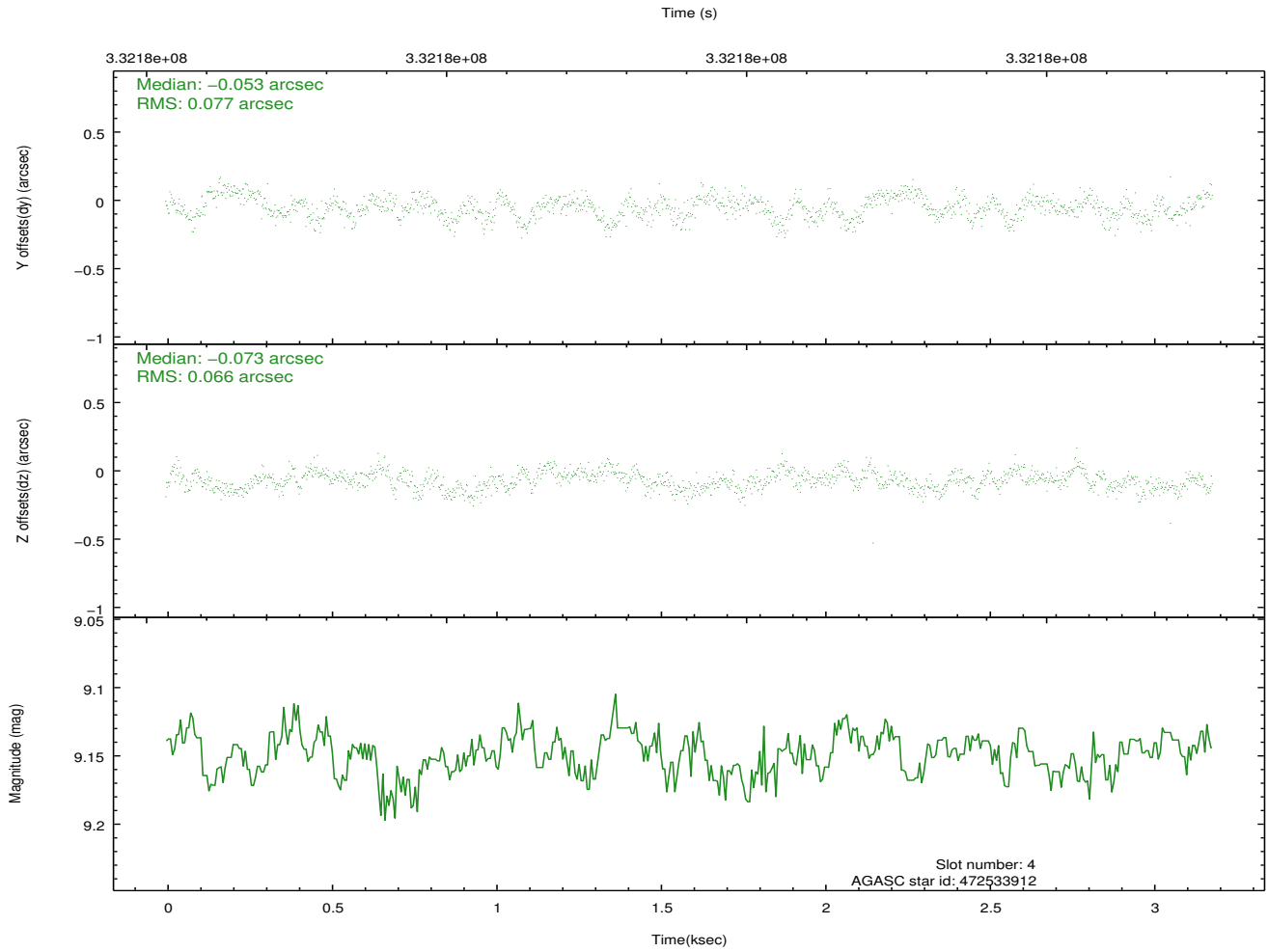
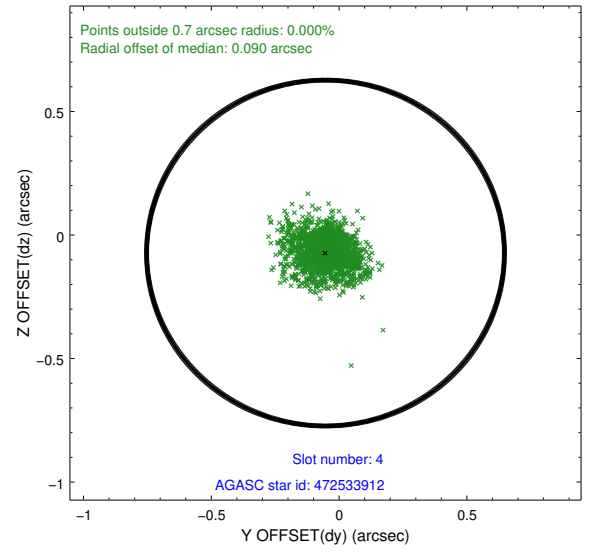
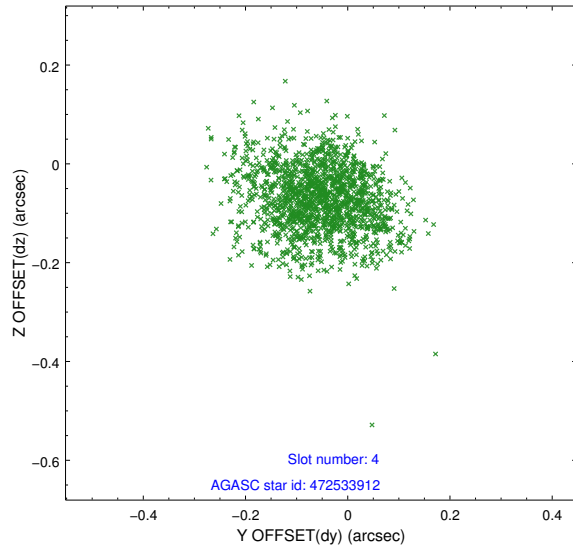
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.00	776	-0.013	0.007	0.008	0.014	0.000000	0.000000	925.75	-838.60
1	FID	ACIS-I-4	6.92	776	0.138	0.025	0.007	0.012	0.000000	0.000000	2147.02	1060.24
2	FID	ACIS-I-5	6.98	776	-0.223	0.038	0.007	0.014	0.000000	0.000000	-1819.92	1060.33
3	GUIDE	472523760	8.22	1553	-0.125	-0.150	0.075	0.117	331.645363	45.403260	343.68	1835.40
4	GUIDE	472533912	9.15	1552	-0.053	-0.073	0.108	0.176	331.791136	46.368695	2215.77	-1114.65
5	GUIDE	472654568	9.41	1551	0.040	-0.082	0.090	0.148	332.194449	45.063576	-1505.56	1924.13
6	GUIDE	472655152	9.43	1551	0.177	0.007	0.105	0.167	332.504239	45.862991	-312.36	-806.02
7	GUIDE	472665256	9.01	1548	-0.044	0.305	0.082	0.137	332.808125	46.195041	-148.28	-2214.31

2.4 Star Slots

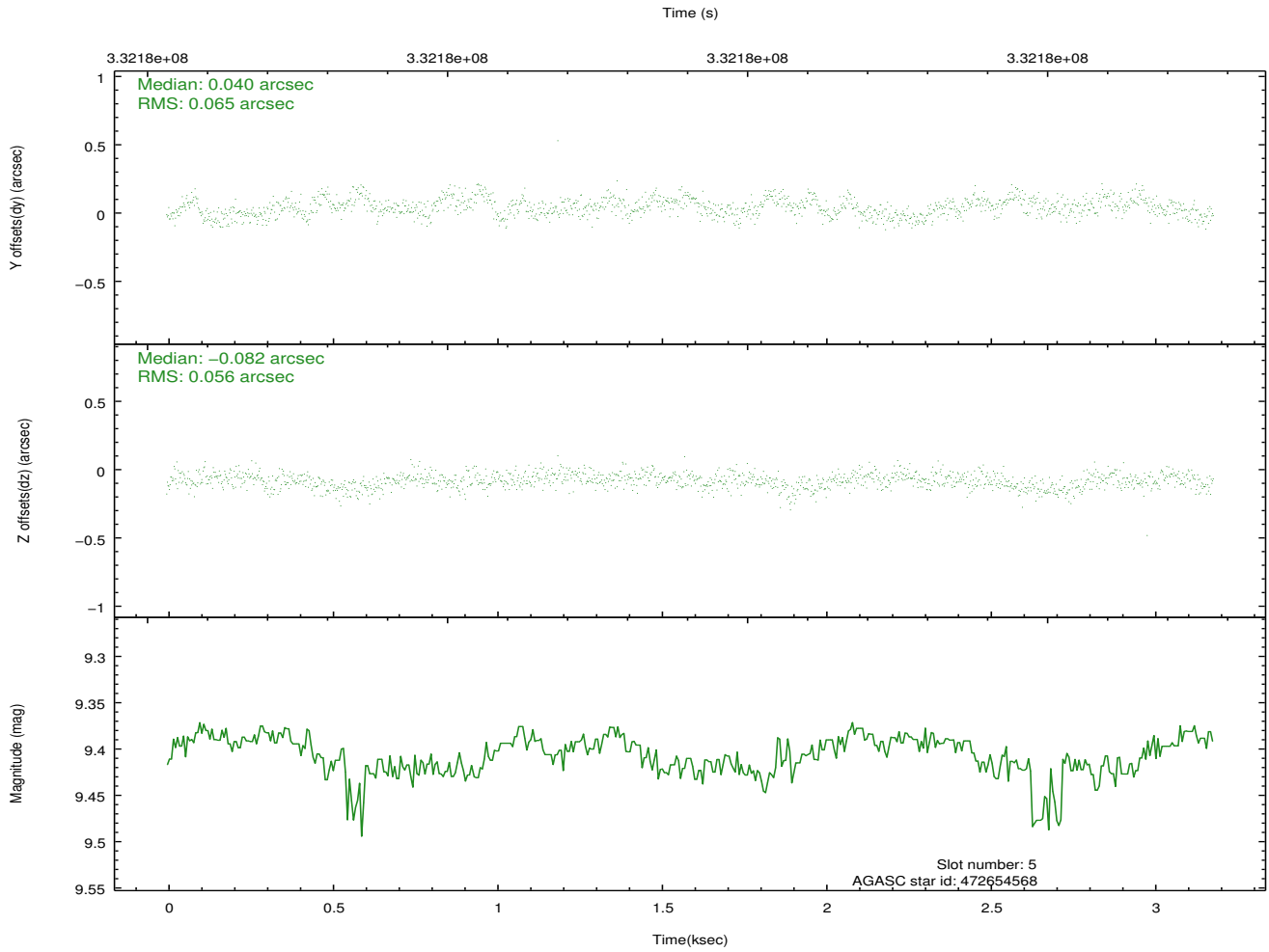
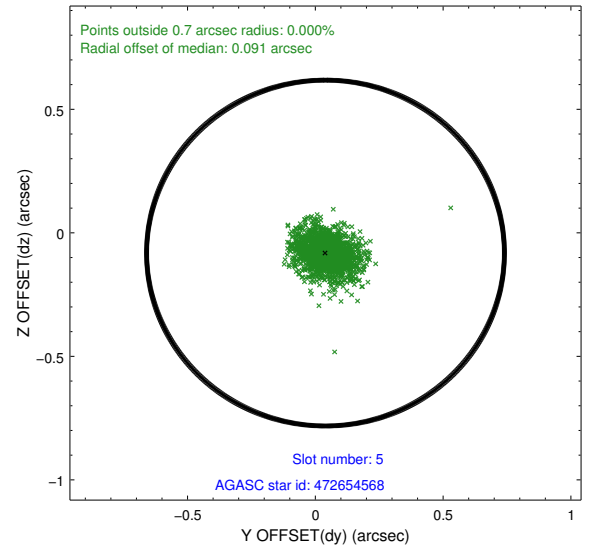
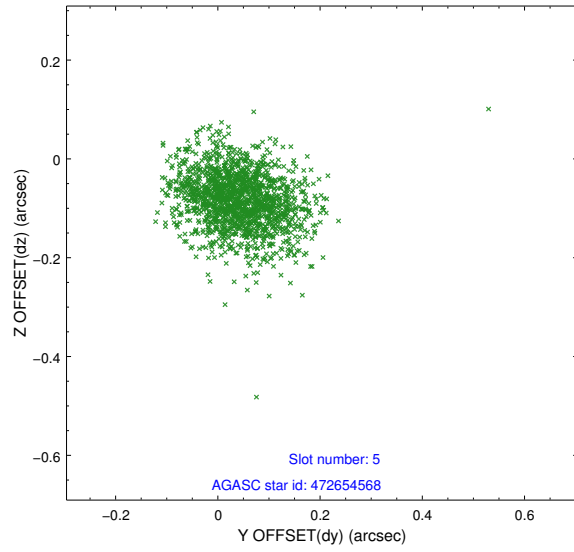
2.4.1 Slot 3



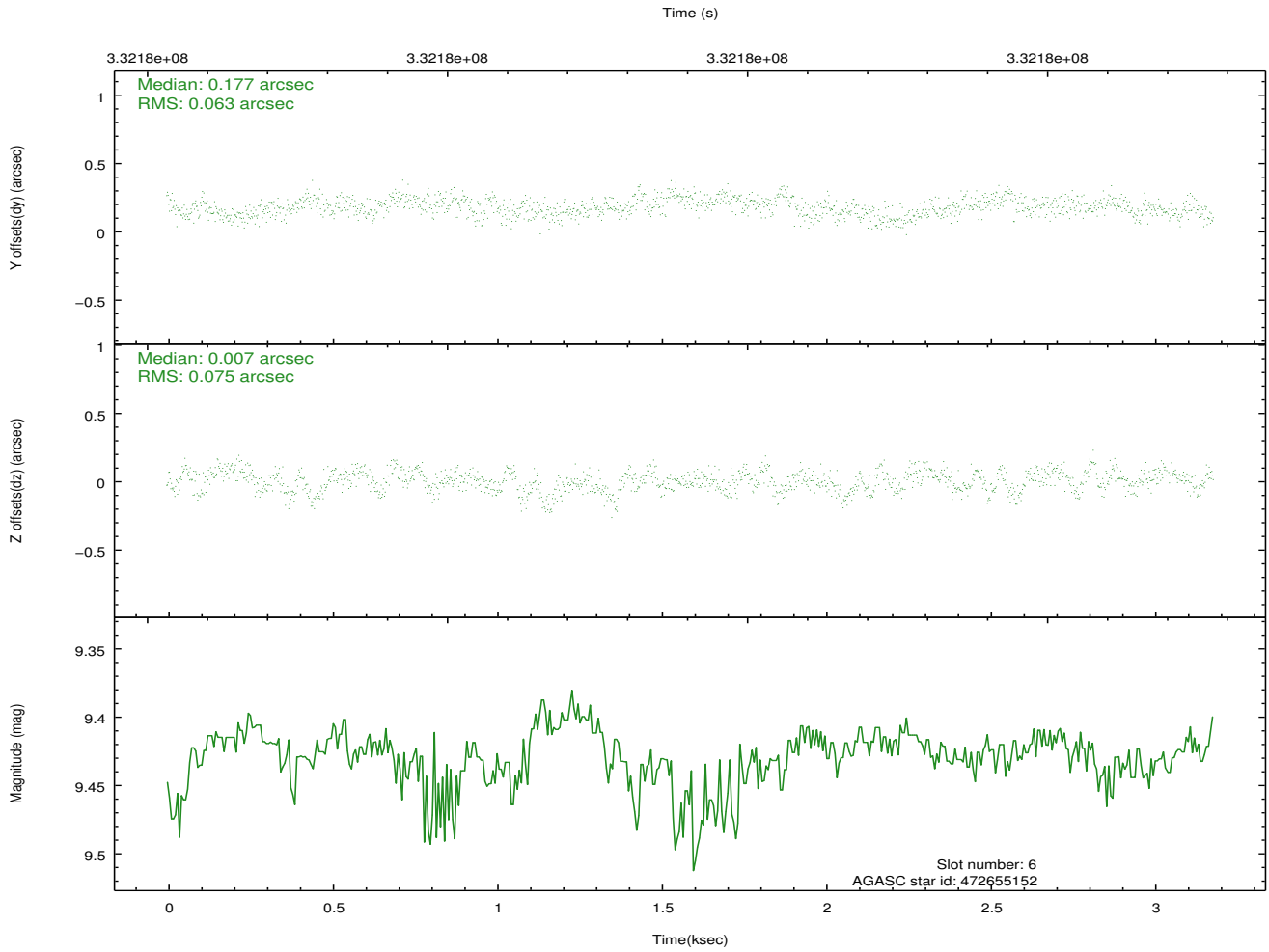
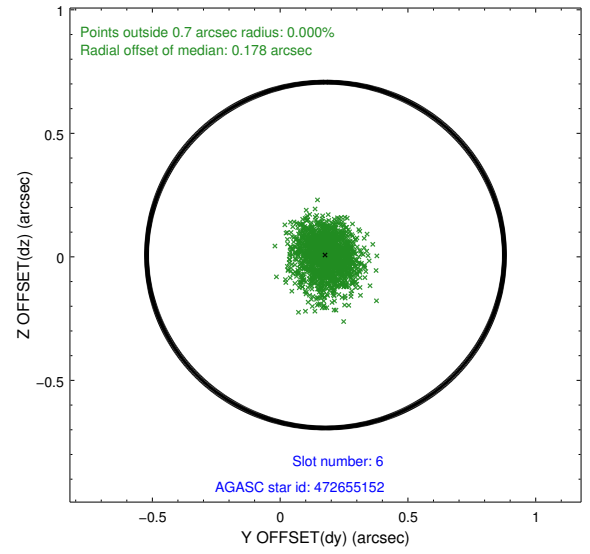
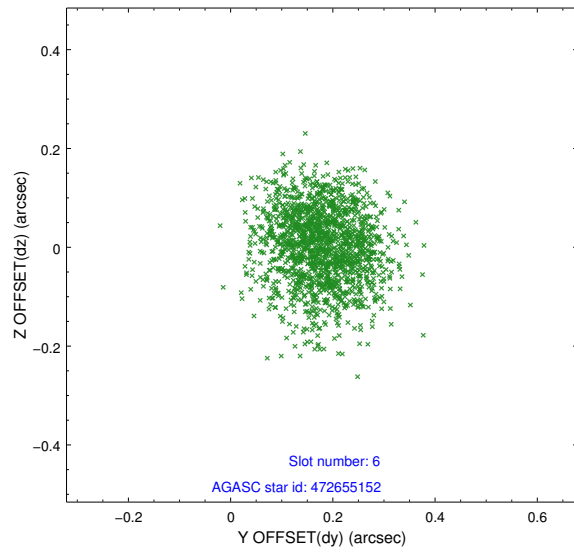
2.4.2 Slot 4



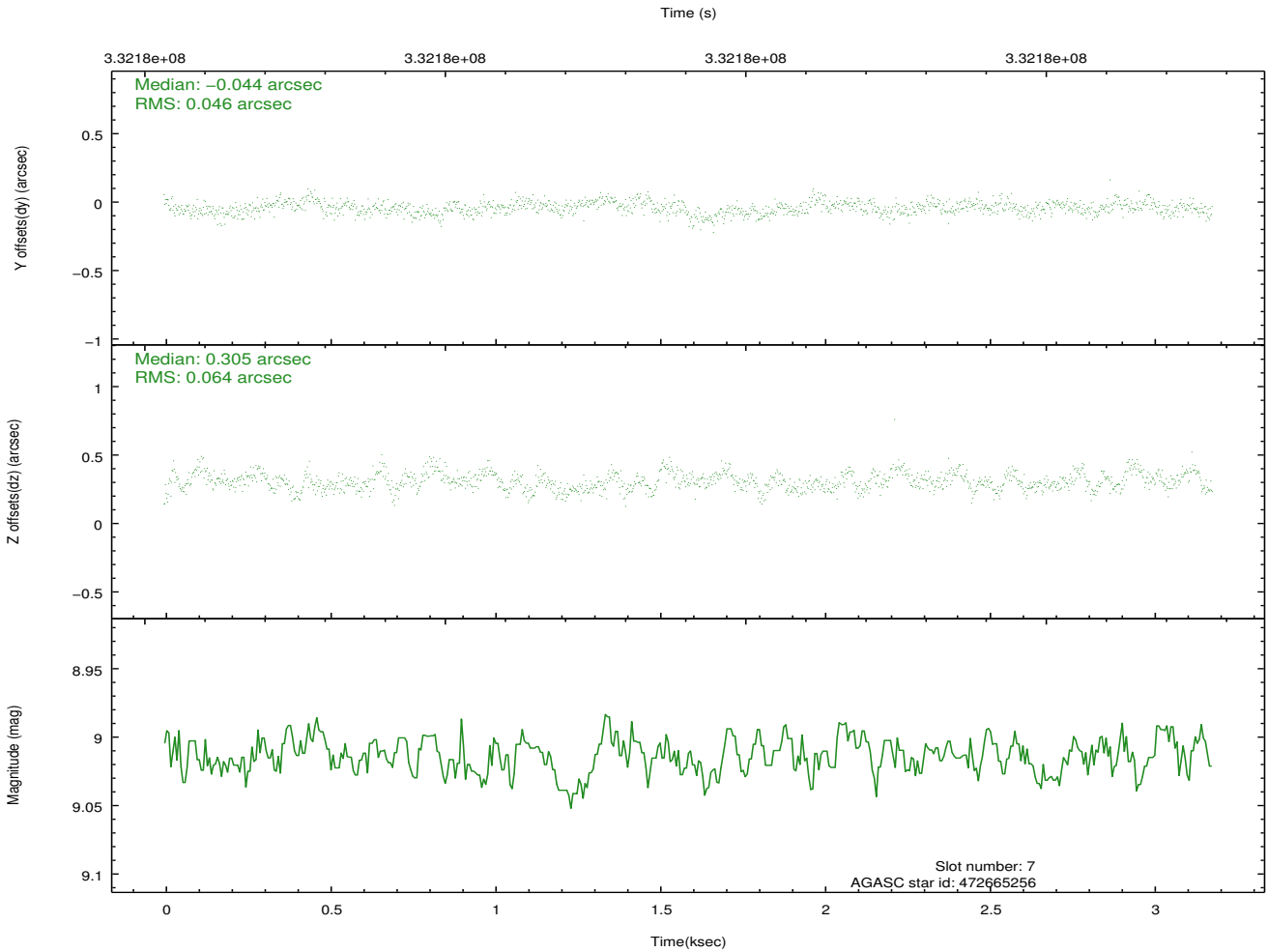
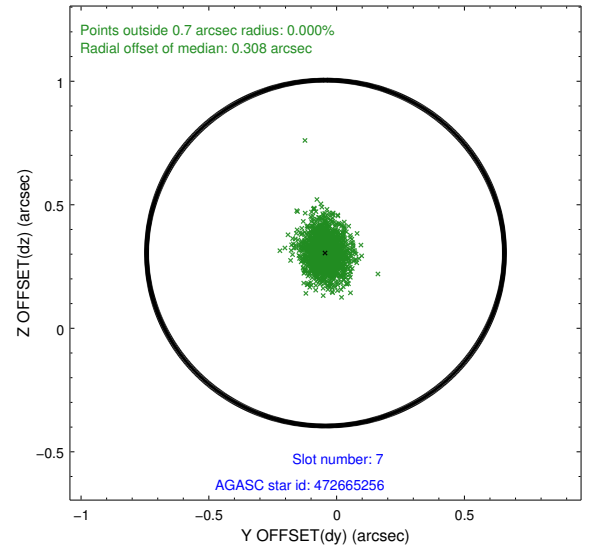
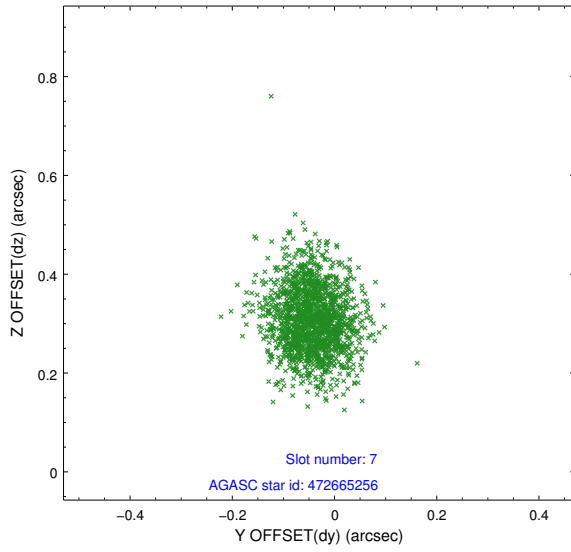
2.4.3 Slot 5



2.4.4 Slot 6

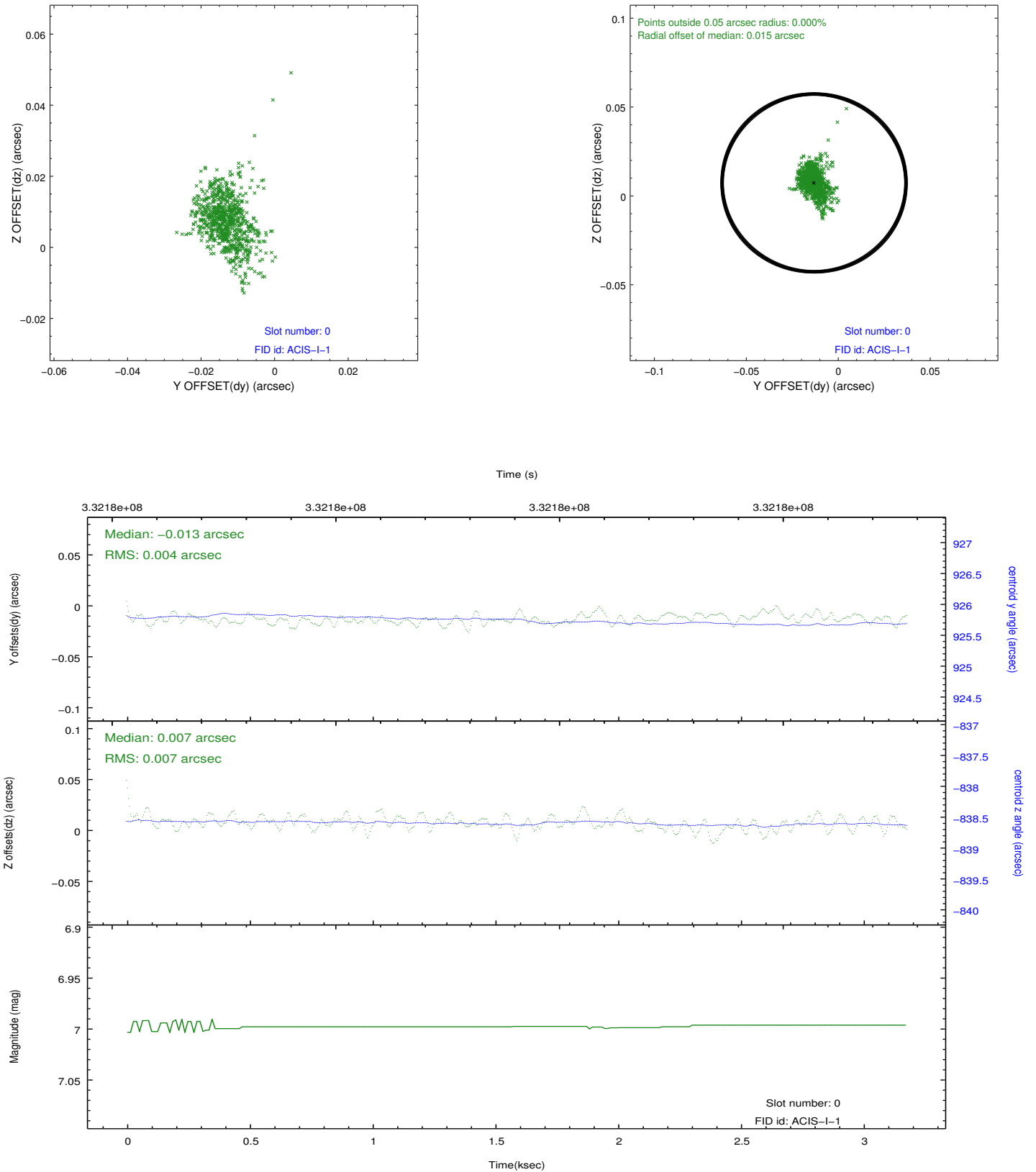


2.4.5 Slot 7

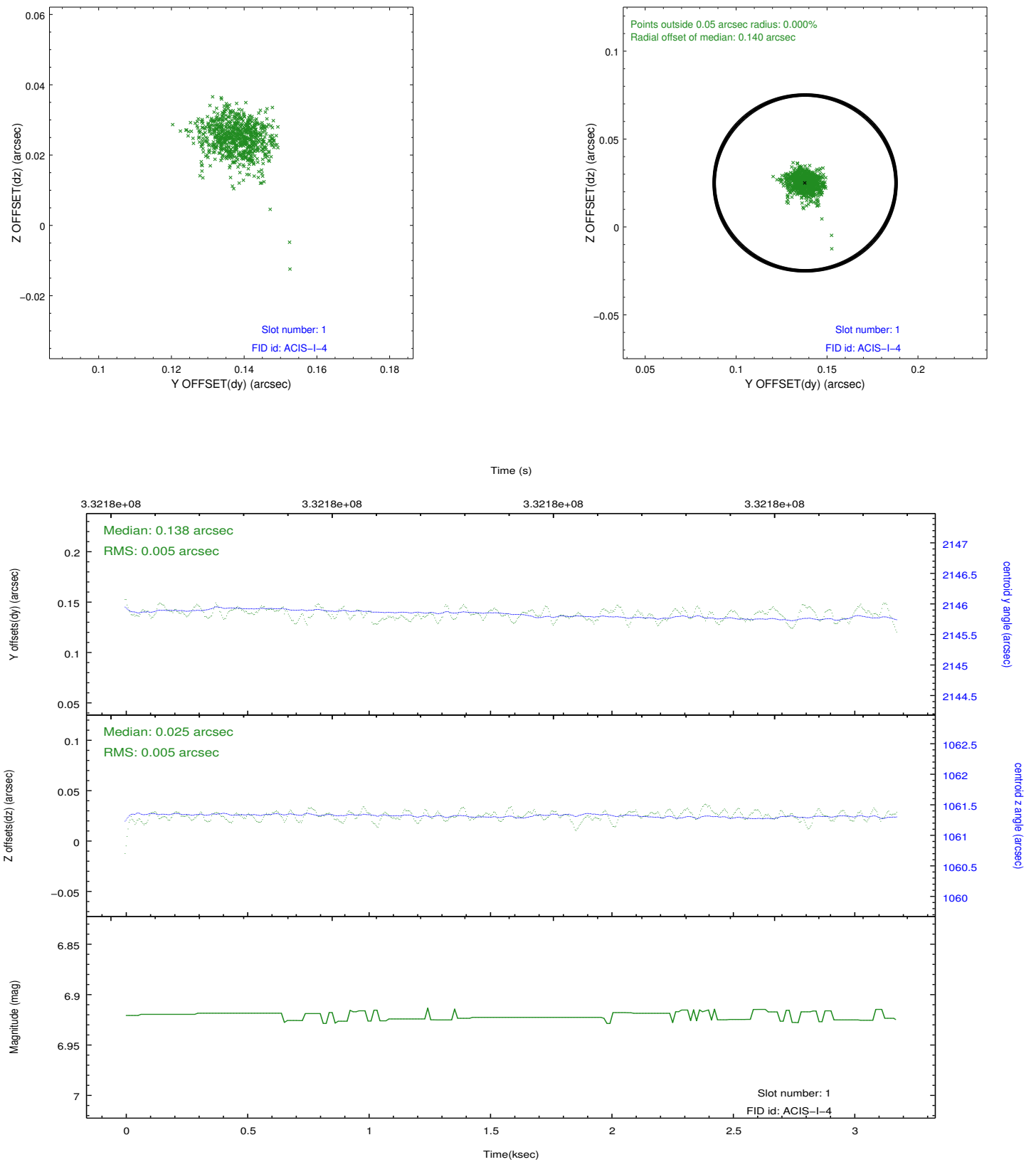


2.5 FID Slots

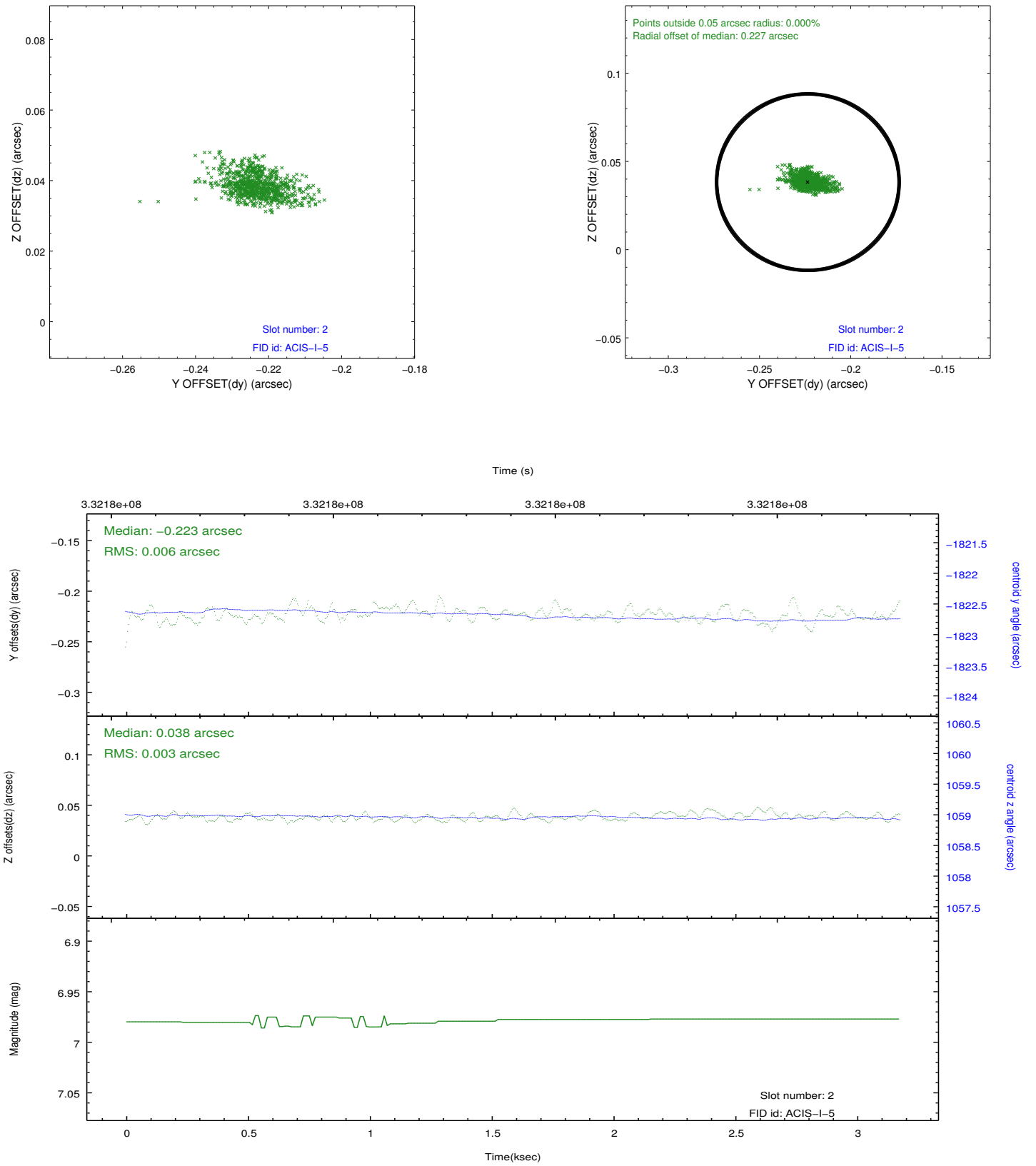
2.5.1 Slot 0



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)	2012.05.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.853

A.2 Comments