

V&V Reference Report

L2 ASCDS Version : 10.4.3

Observation 17080 - L2 Version 1
Chandra X-Ray Center

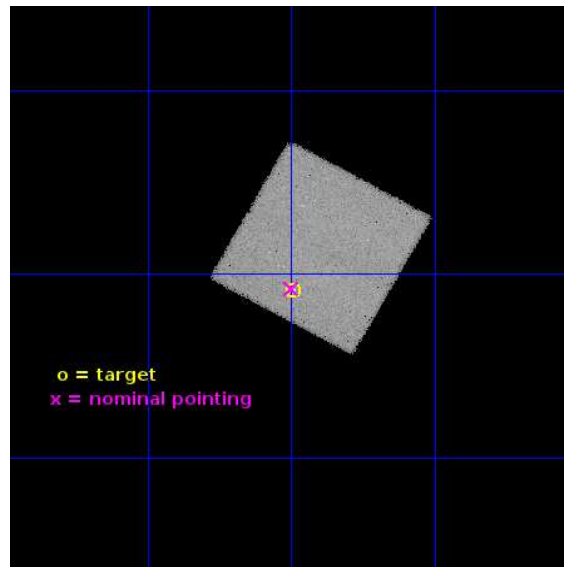
L2 Processing Date : Dec 23 2015

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1 Front

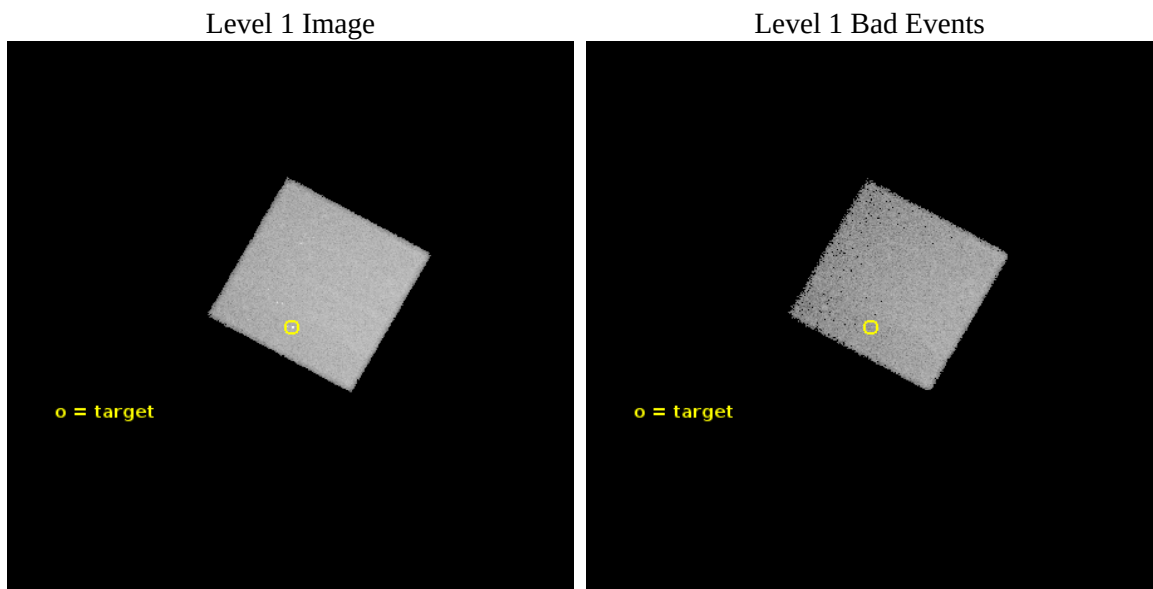
seq_num	703084	Sequence number
obs_id	17080	Observation id
title	The Central Engine of the Most Luminous Quasars	Proposal title
observer	Dr Enrico Piconcelli	Principal investigator
object	SDSS J212329.46-005052.9	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	320.872917	Observer's specified target RA [deg]
dec_targ	-0.848028	Observer's specified target Dec [deg]
ra_nom	320.87499621946	Nominal RA [deg]
dec_nom	-0.84682861202089	Nominal Dec [deg]
roll_nom	299.09481193365	Nominal Roll [deg]
revision	1	Processing version of data
ontime	40089.0	Sum of GTIs [s]
liveltime	39547.983584563	Livetime [s]
ontime7	40089.0	Sum of GTIs [s]
l2events	129259	Number of level 2 events



2 OBI

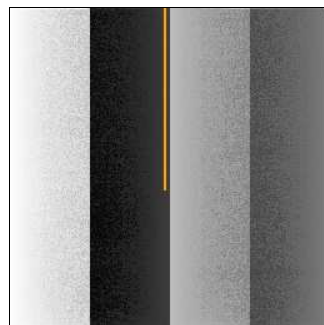
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	40000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3	Processing system revision	ontime	40089.0	Sum of GTIs [s]
caldsver	4.7.0	 	ontime7	40089.0	Sum of GTIs [s]
date	2015-12-23T22:13:36	Date and time of file creation	l1events	297233	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

	ccd 7
level 1 events	297233
rejected events	164712
rejected %	55%

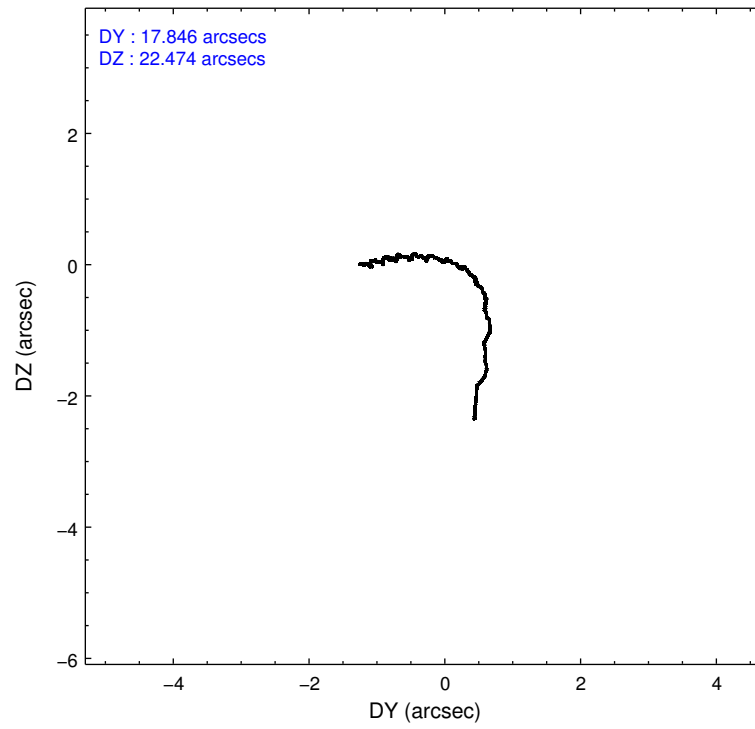
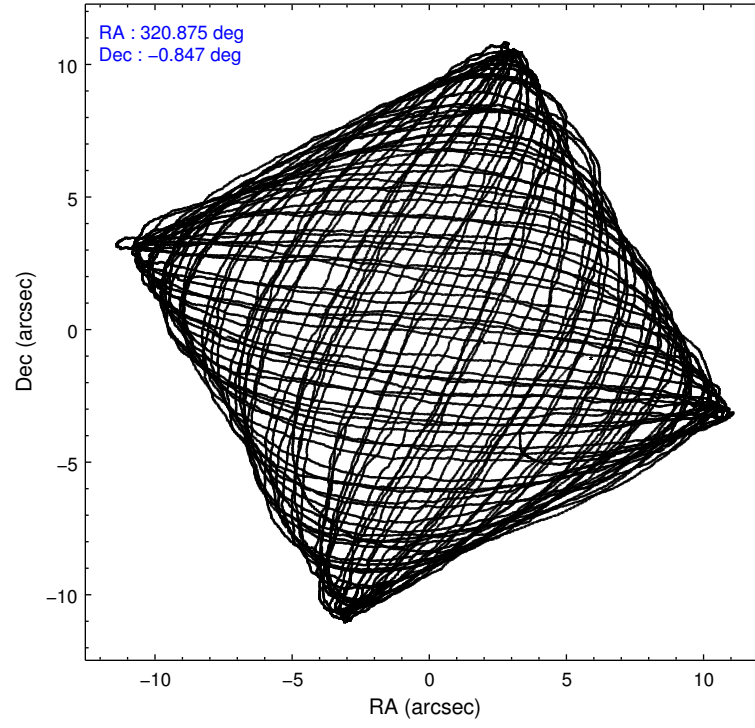
	ccd 7
grade 0 events	11796
	3%
grade 1 events	384
	0%
grade 2 events	27512
	9%
grade 3 events	10881
	3%
grade 4 events	11087
	3%
grade 5 events	29902
	10%
grade 6 events	71263
	23%
grade 7 events	134408
	45%

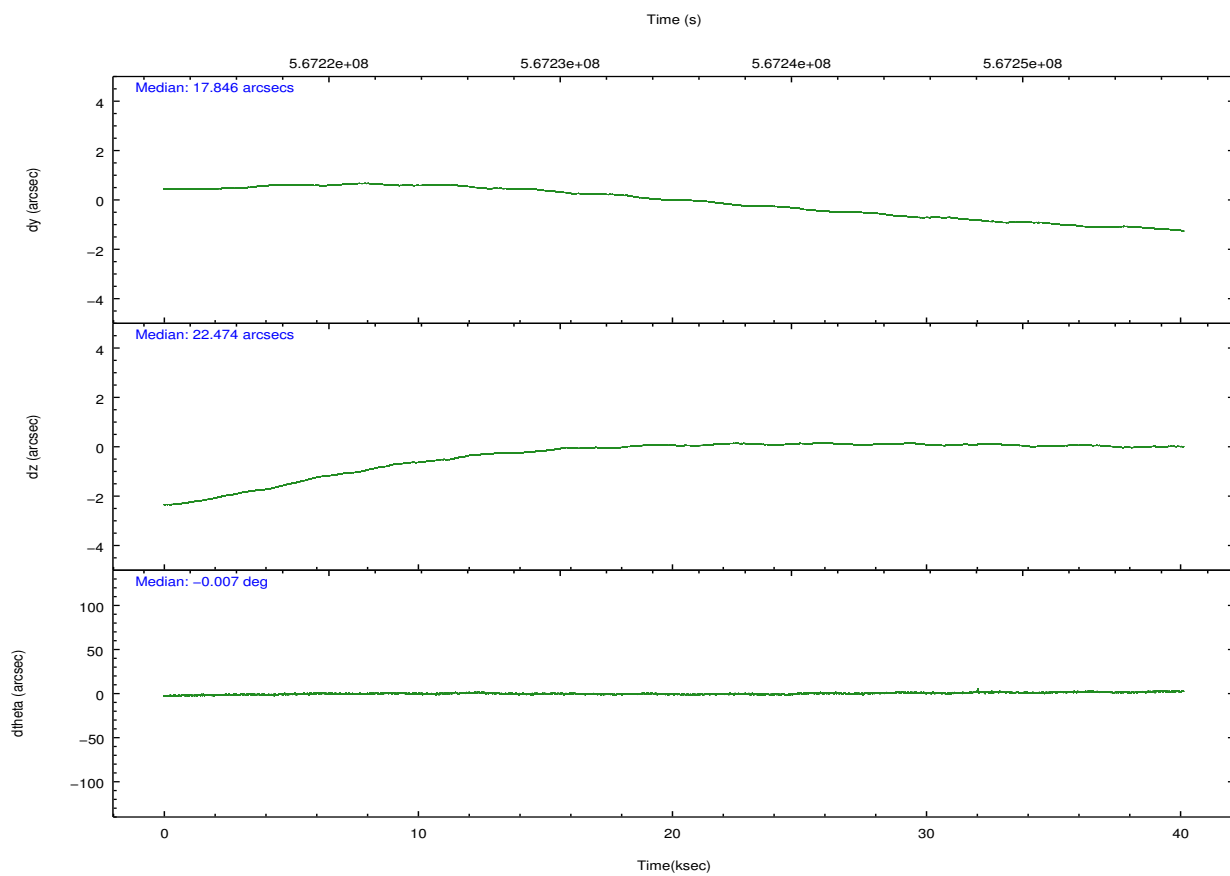
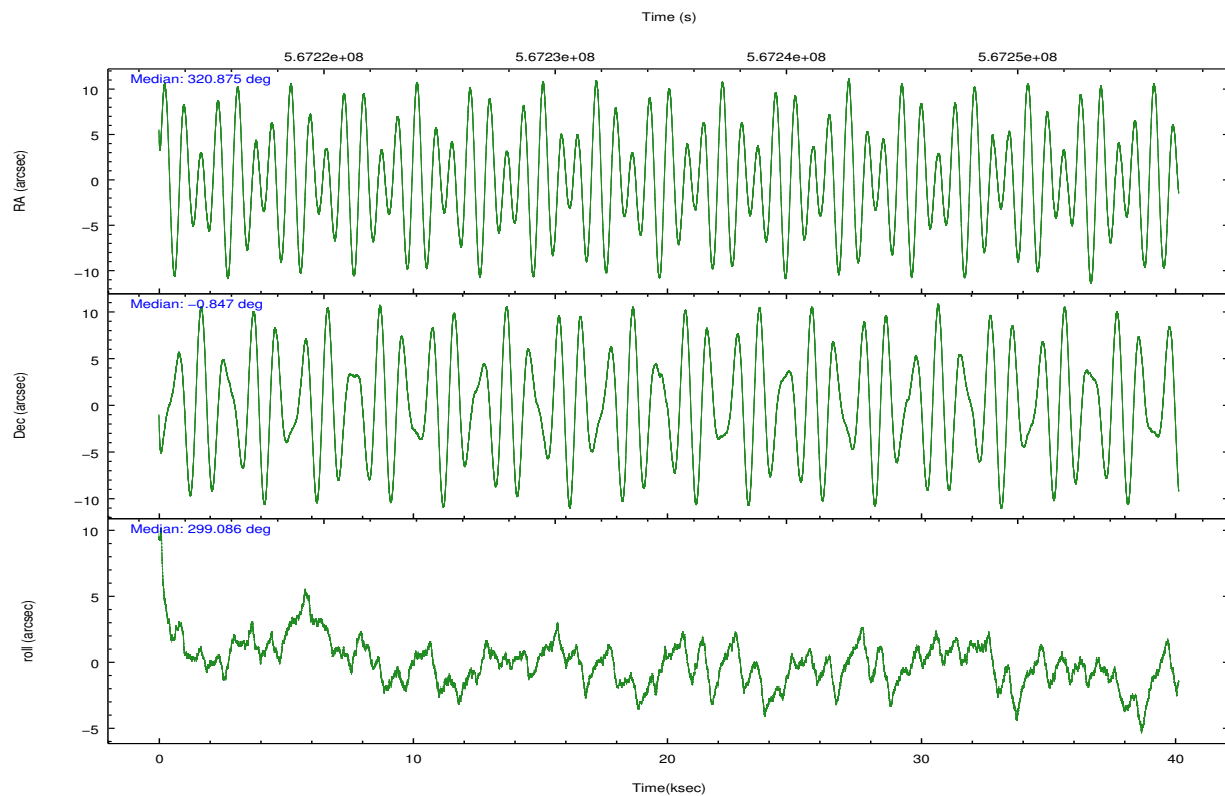
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	VFAINT	VFAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	320.851252	320.8749962194614
[deg] Pointing Dec	-0.833047	-0.8468286120208858
[deg] Pointing Roll	298.937840	299.0948119336466
[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)	567214970.184000	567213778.47061
Observation start date	2015-12-22T23:41:42	2015-12-22T23:22:58
[s] Observation end time (MET)	567254970.184000	567255967.9855
Observation end date	2015-12-23T10:48:22	2015-12-23T11:06:07
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	NONE	NONE
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	3

2.3 Aspect



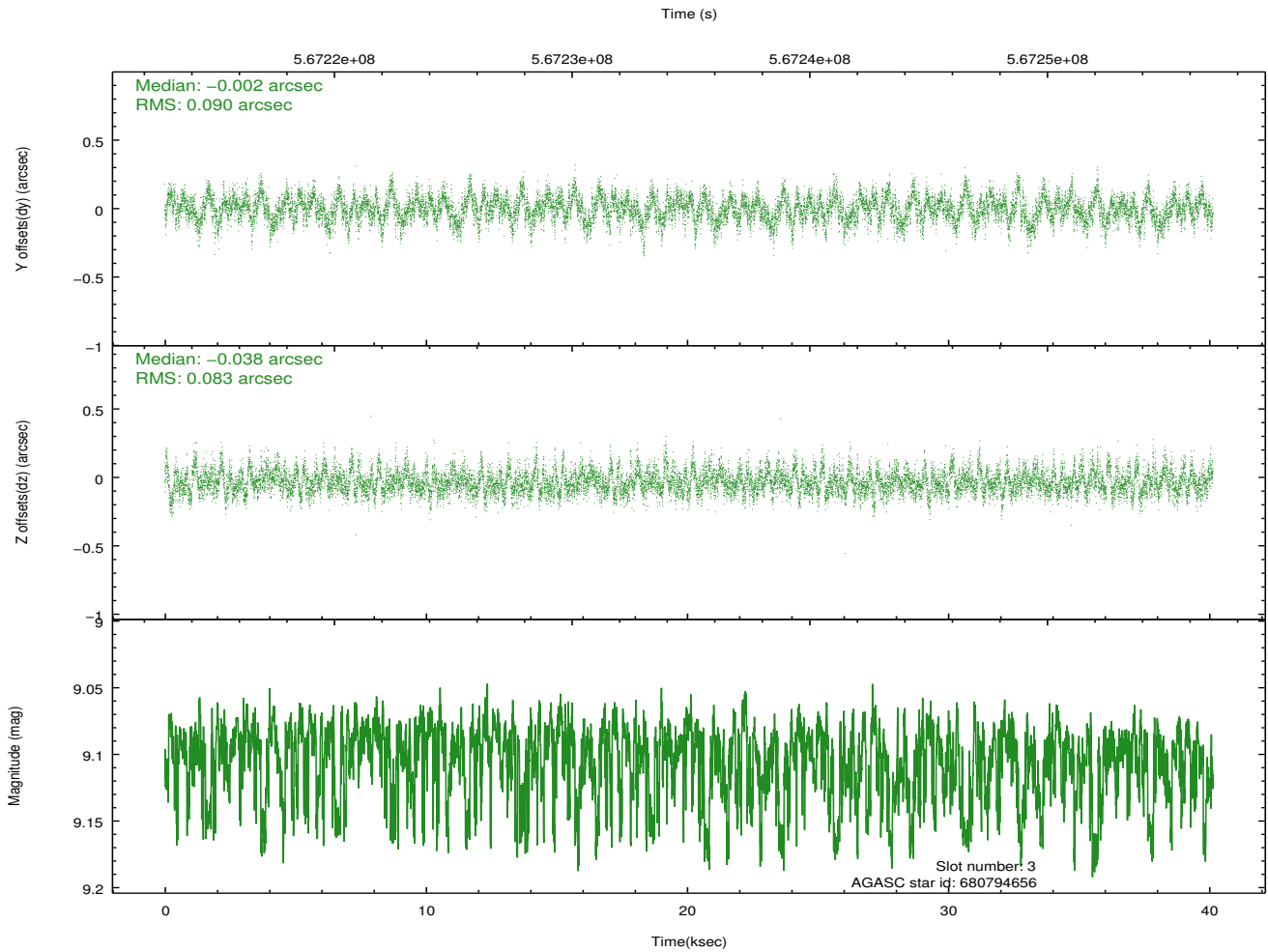
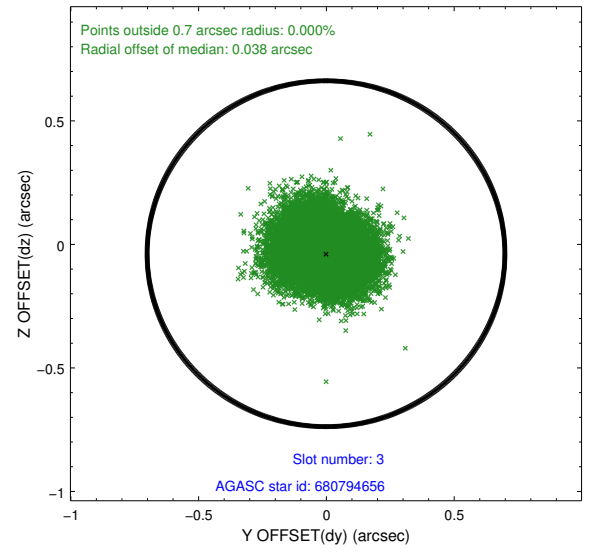
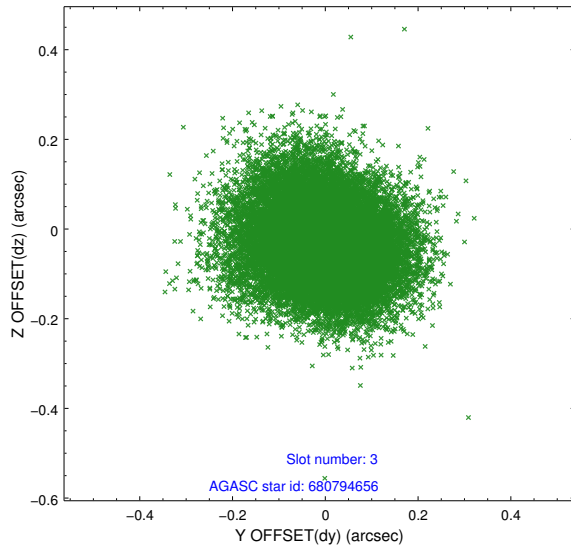


Slot Statistics

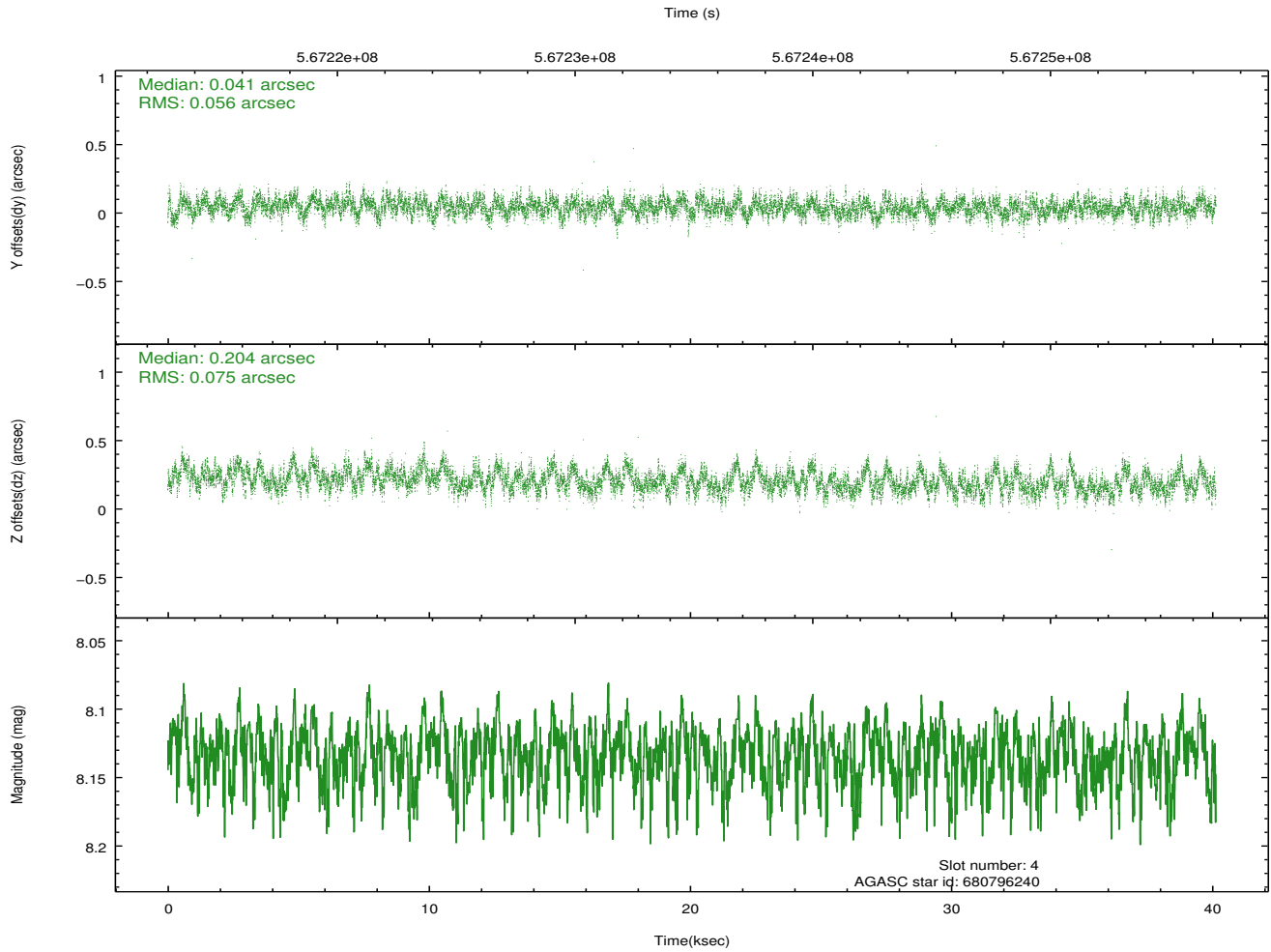
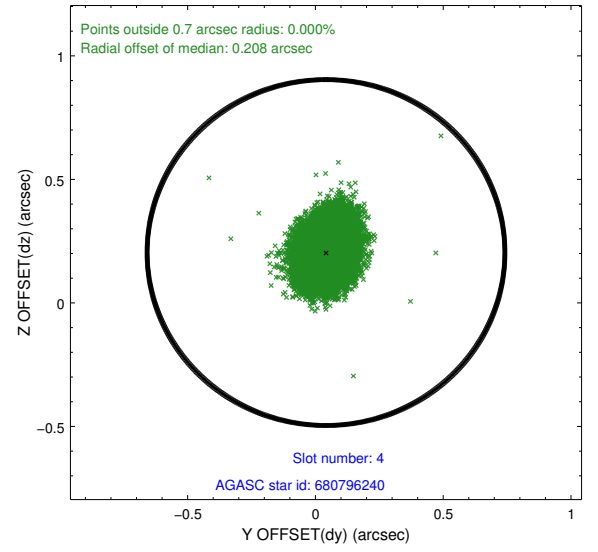
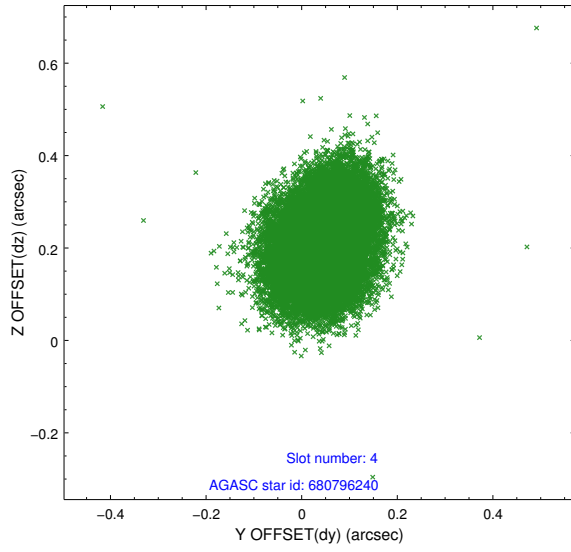
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.20	9789	0.155	-0.074	0.036	0.060	0.000000	0.000000	925.44	-1739.36
1	FID		ACIS-S-5	7.24	9789	-0.292	0.083	0.035	0.055	0.000000	0.000000	-1824.02	158.30
2	FID		ACIS-S-6	7.36	9790	0.115	0.001	0.026	0.077	0.000000	0.000000	390.90	802.25
3	GUIDE	used	680794656	9.10	19567	-0.002	-0.038	0.130	0.211	320.489258	-1.403222	1166.83	-2133.11
4	GUIDE	used	680796240	8.13	19575	0.041	0.204	0.100	0.160	320.380797	-0.836847	-806.26	-1489.01
5	GUIDE	used	680922232	8.78	19574	-0.164	0.061	0.120	0.192	321.157563	-0.361619	-951.75	1786.00
6	GUIDE	used	680923712	7.25	19581	0.211	-0.053	0.091	0.157	320.793452	-0.773016	-289.21	-77.40
7	GUIDE	used	680921680	8.92	19561	-0.083	-0.176	0.115	0.186	321.389470	-0.985183	1416.80	1430.70

2.4 Star Slots

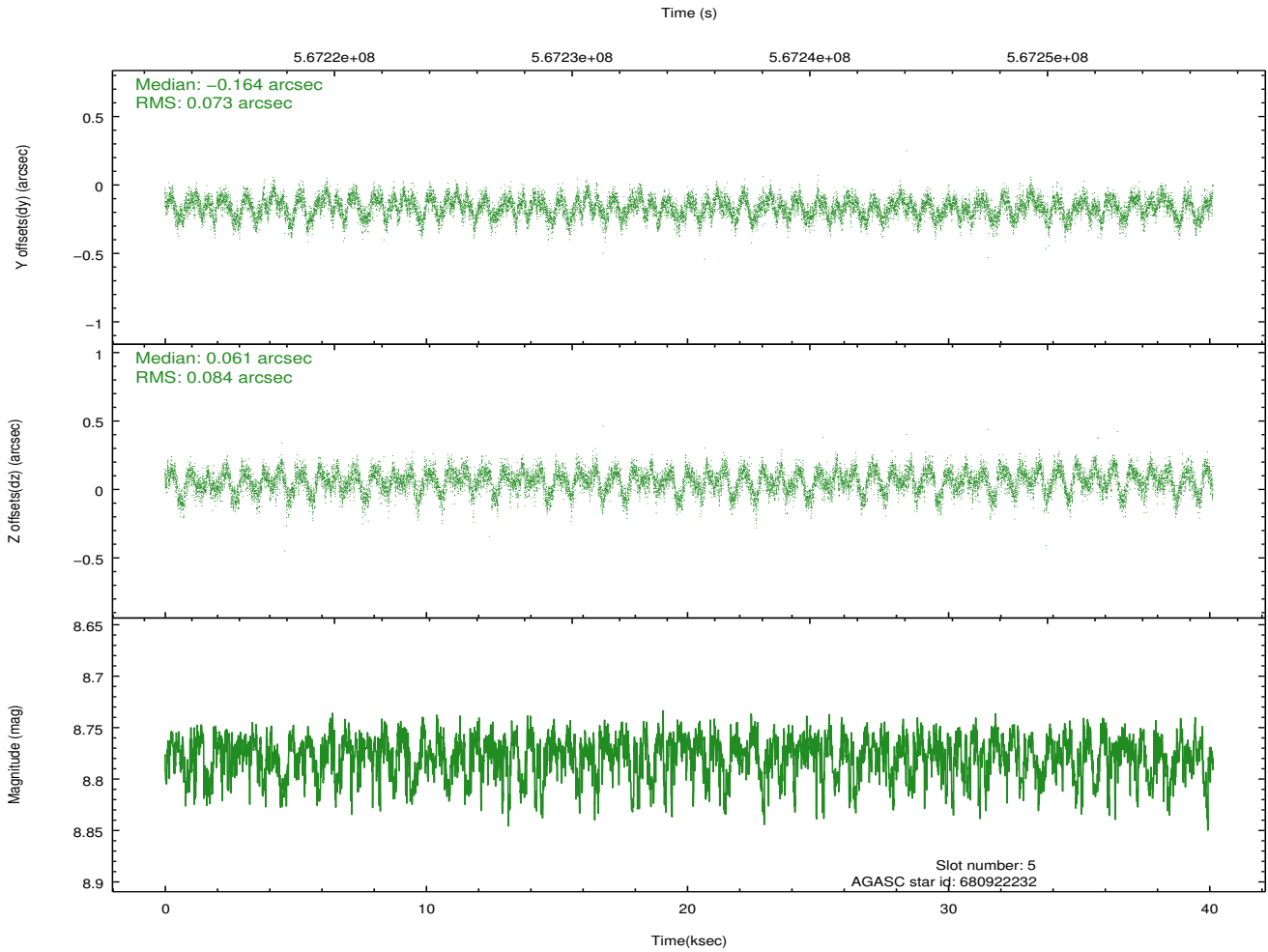
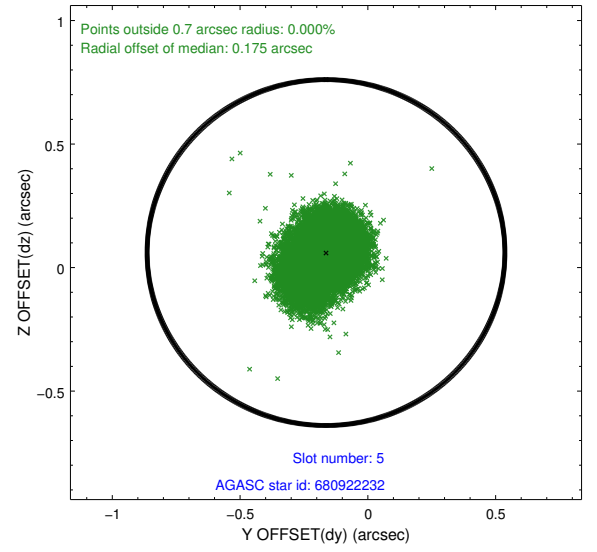
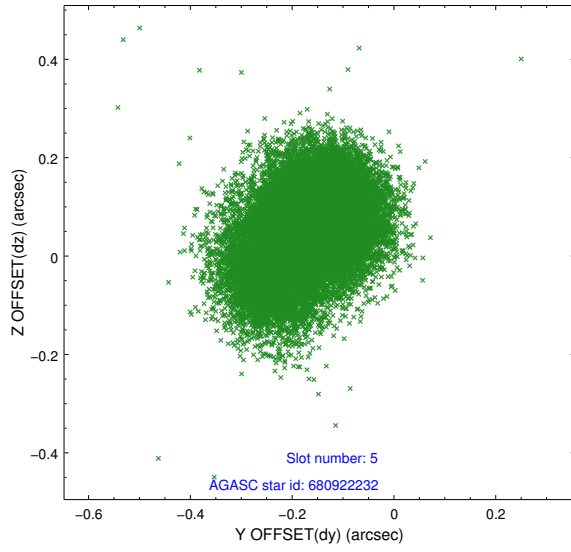
2.4.1 Slot 3



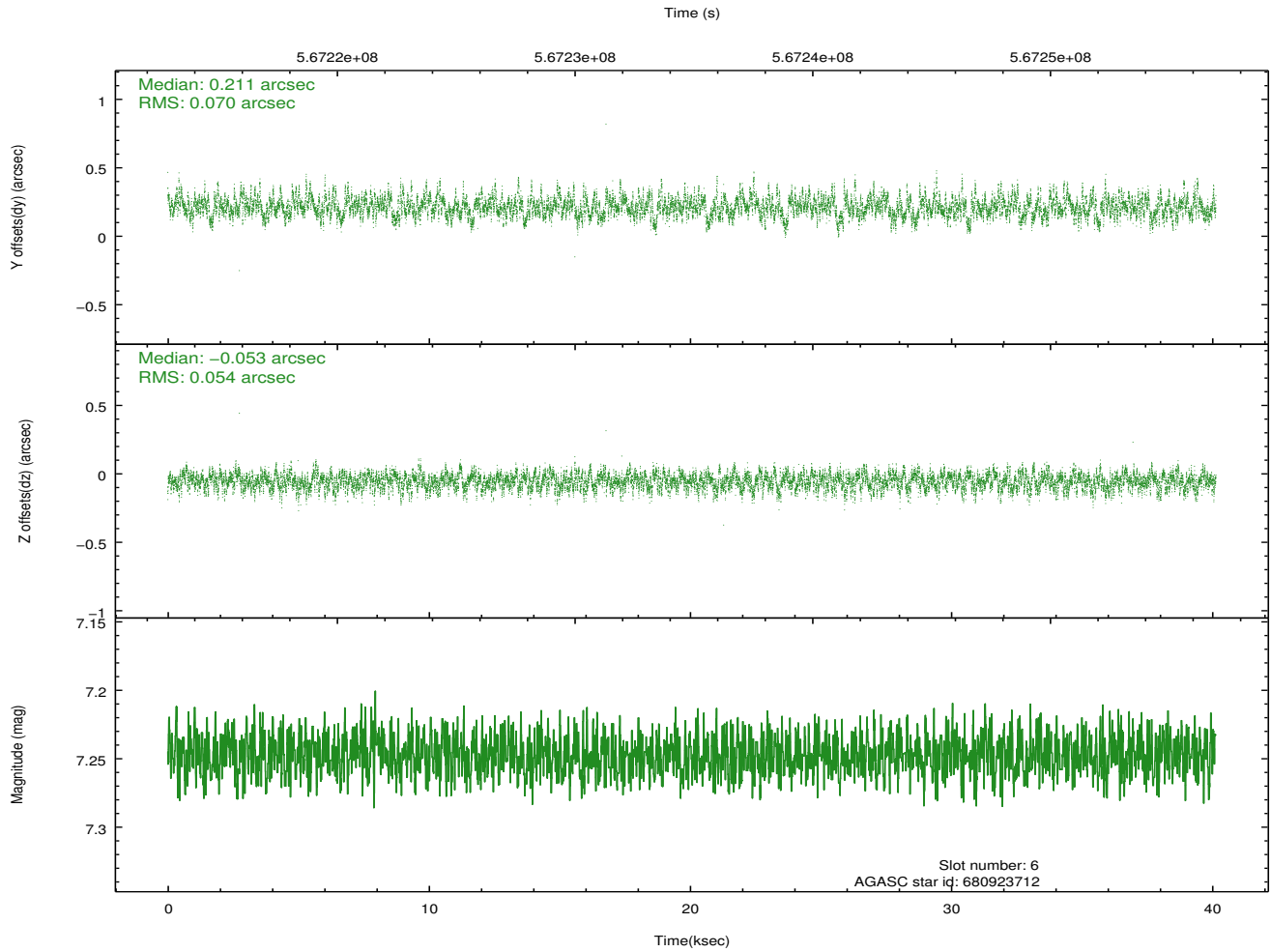
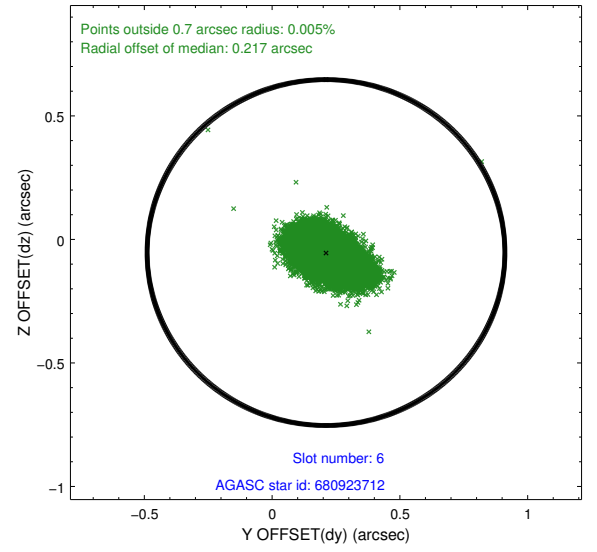
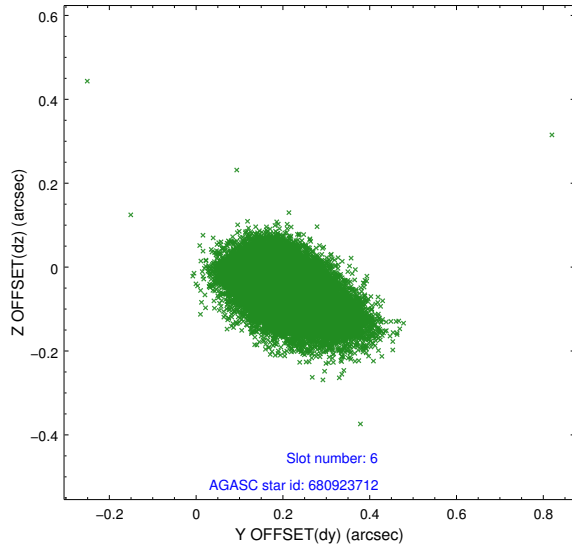
2.4.2 Slot 4



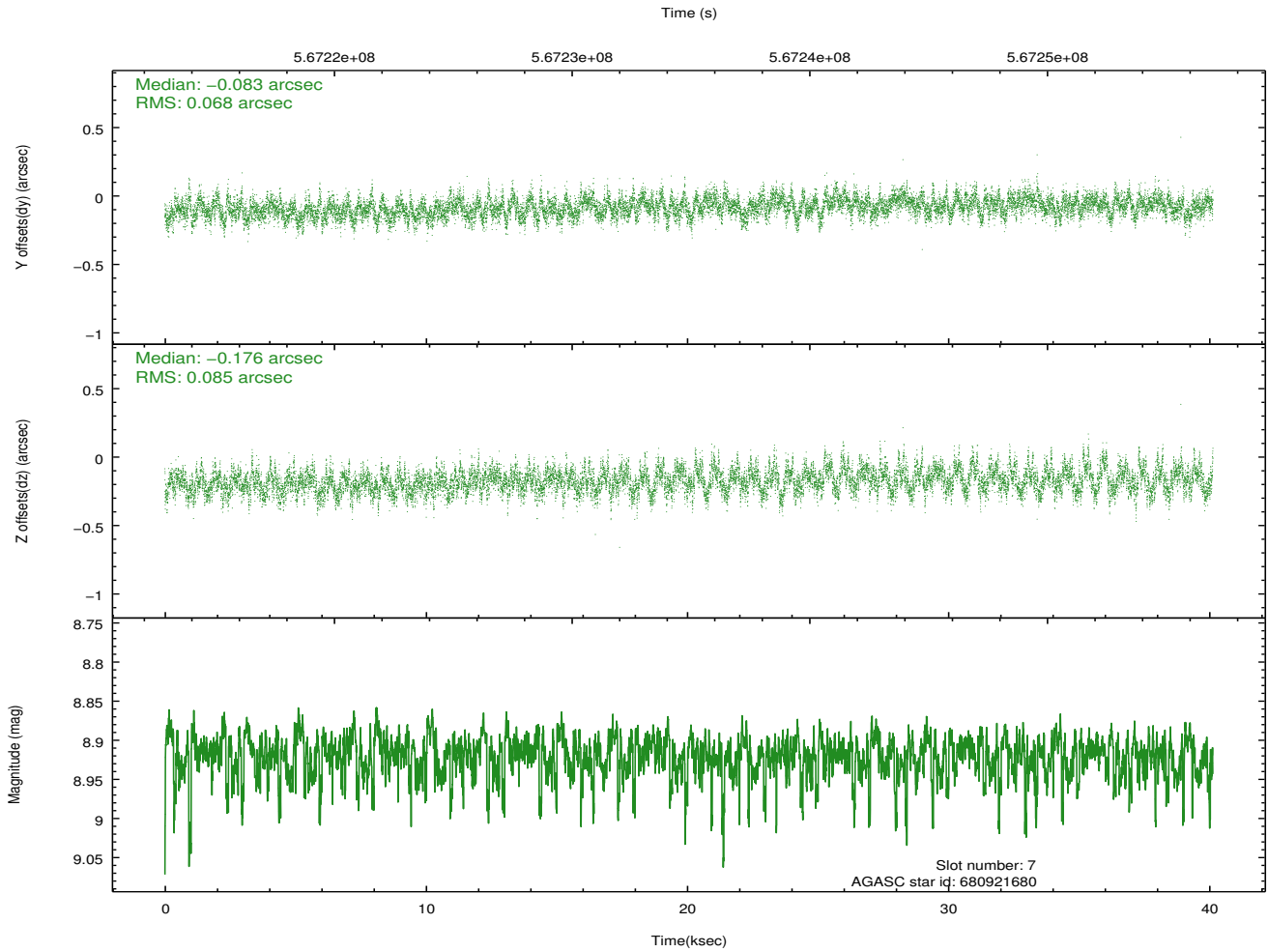
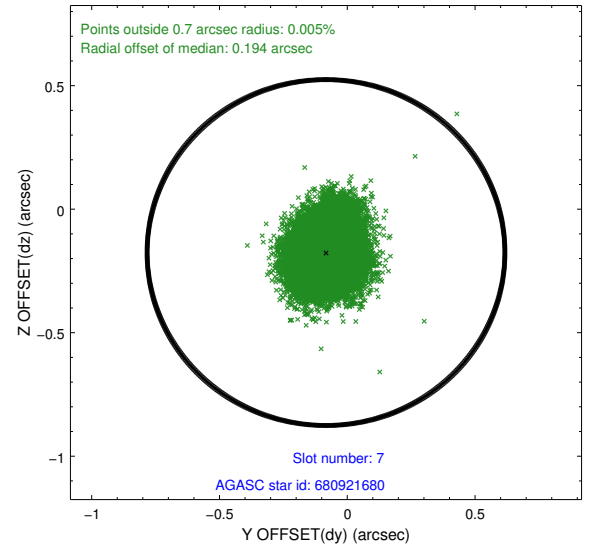
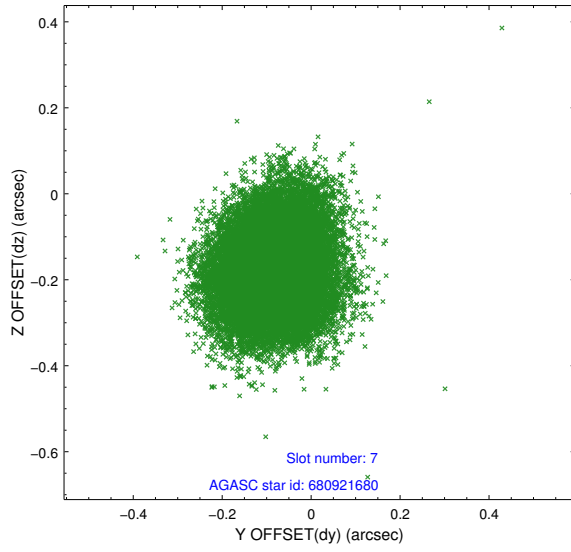
2.4.3 Slot 5



2.4.4 Slot 6

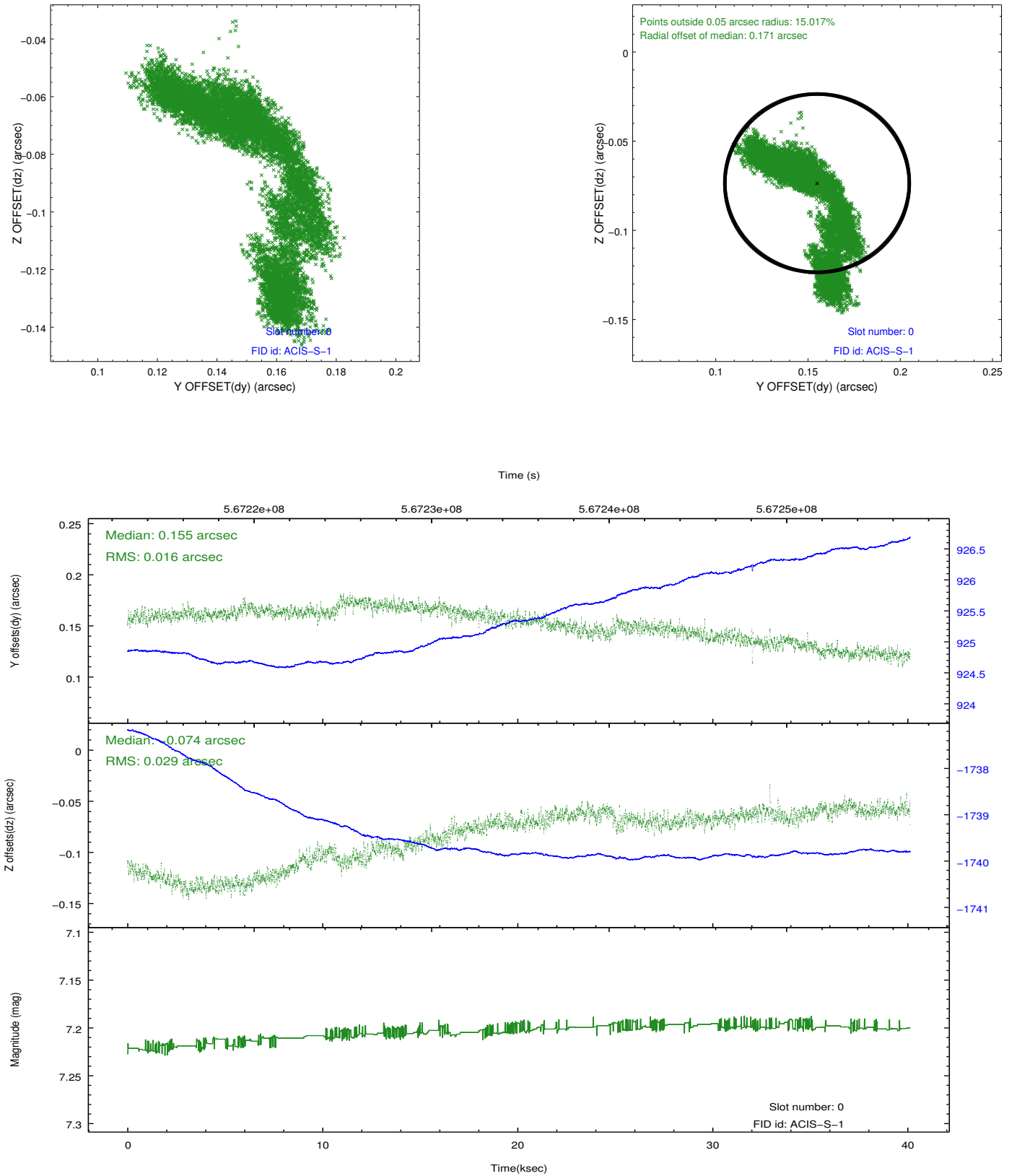


2.4.5 Slot 7

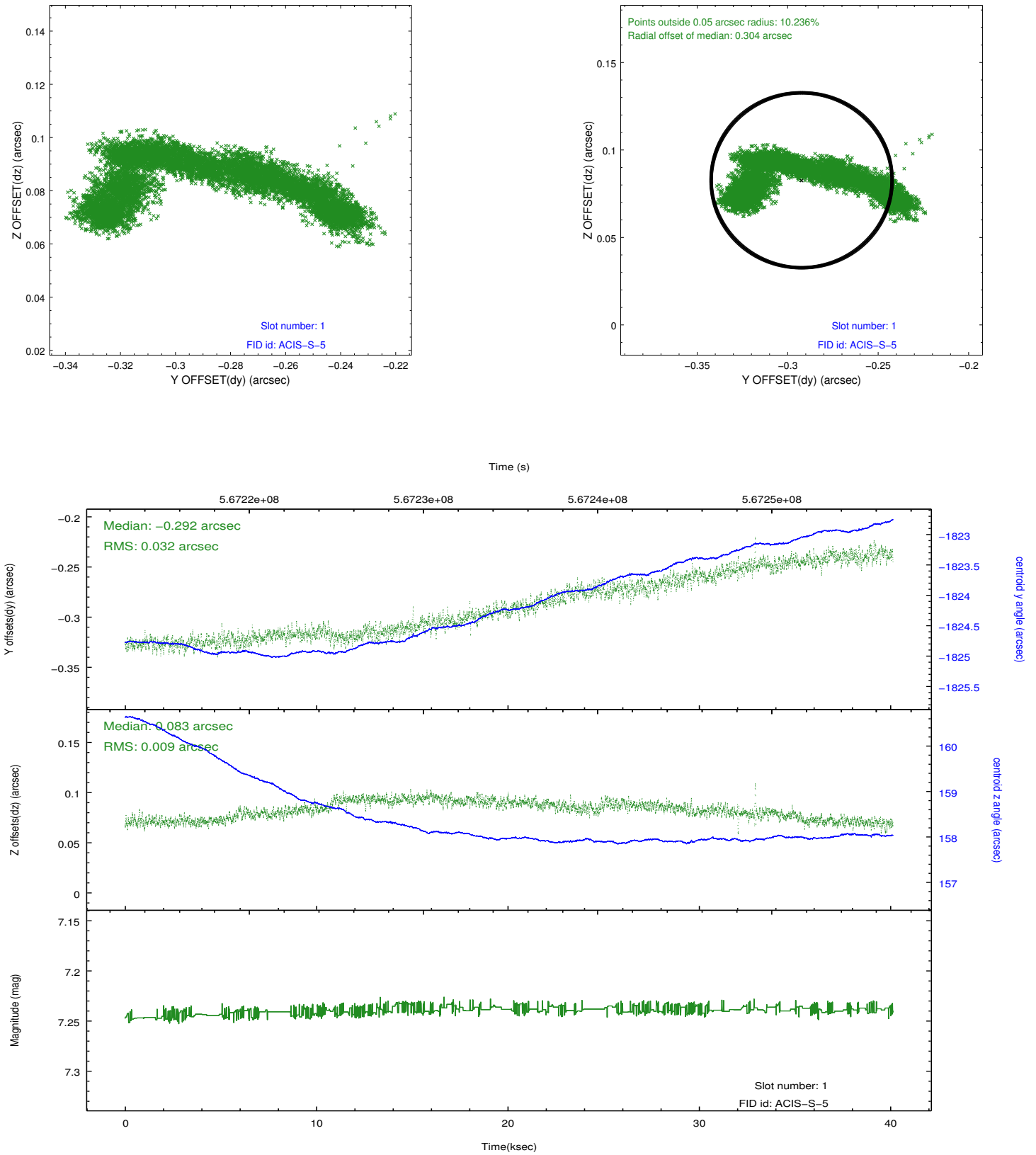


2.5 FID Slots

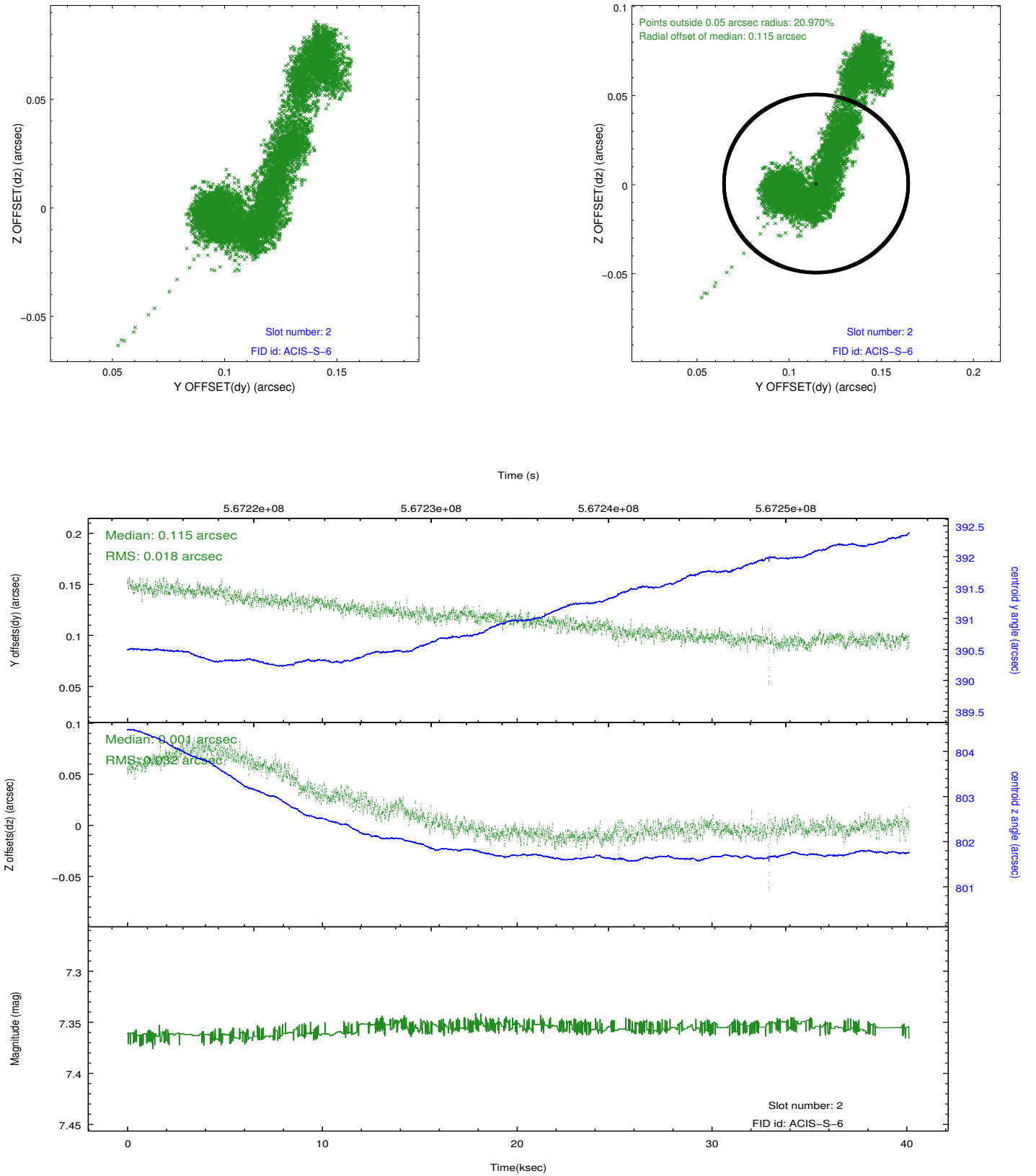
2.5.1 Slot 0



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)	2015.12.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	40.089

A.2 Comments