

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 13081 - L2 Version 4
Chandra X-Ray Center

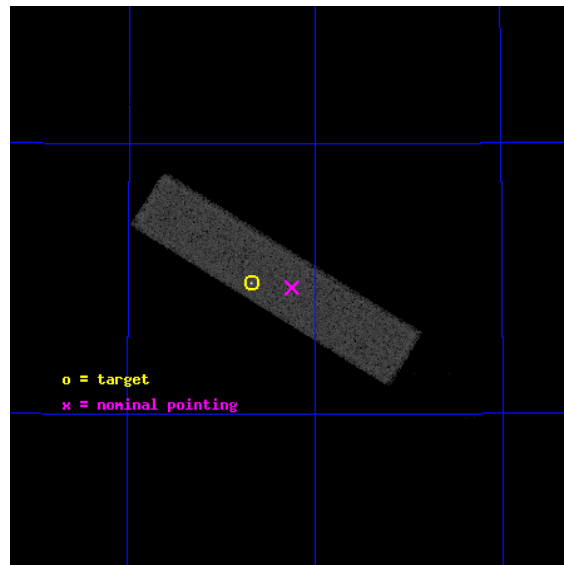
L2 Processing Date : Aug 9 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

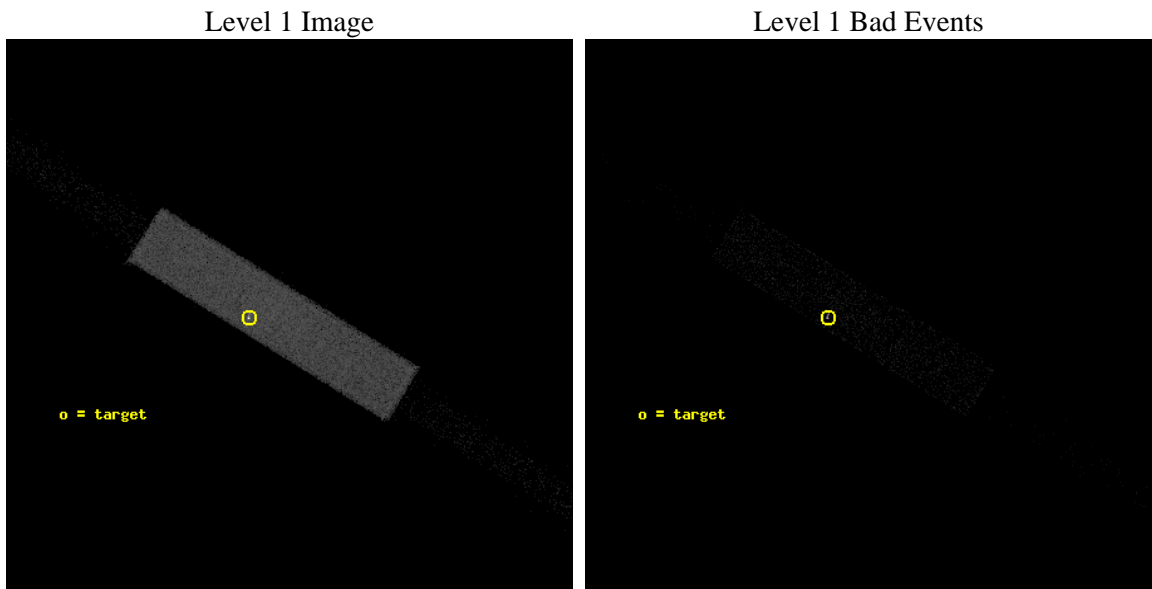
seq_num	291000	Sequence number
obs_id	13081	Observation id
title	AO-12 Calibration Observations to Monitor the Spatial Variations in the HRC-S Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.06180809641	Nominal RA [deg]
dec_nom	45.733916852348	Nominal Dec [deg]
roll_nom	211.59537228394	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1159.5313108563	[s]
livetime	1151.406726947	Ontime multiplied by DTCOR
l2events	60438	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1159.5313108563	[s]
caldsver	4.5.1.1	 	l1events	93572	Number of level 1 events
date	2012-08-10T02:40:29	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

Level 1 Events

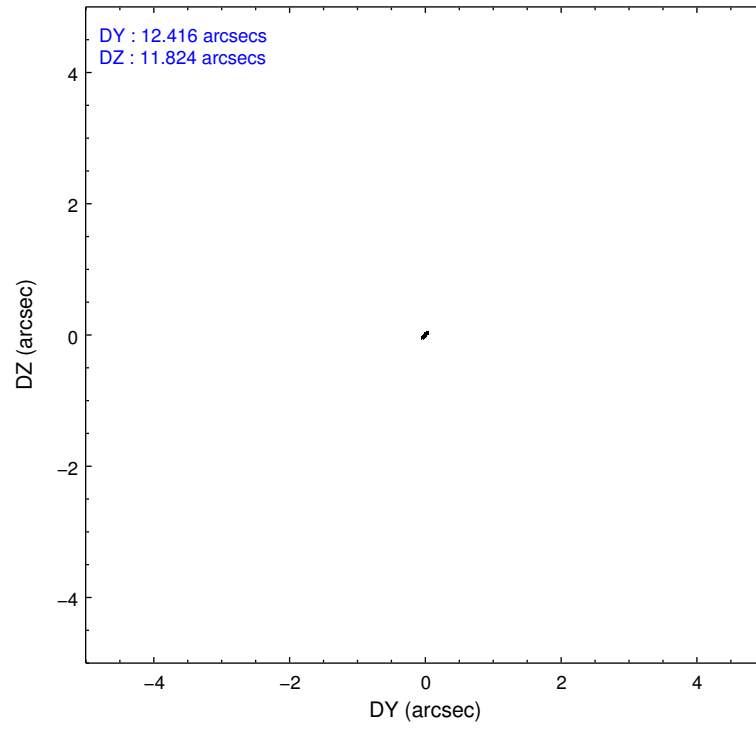
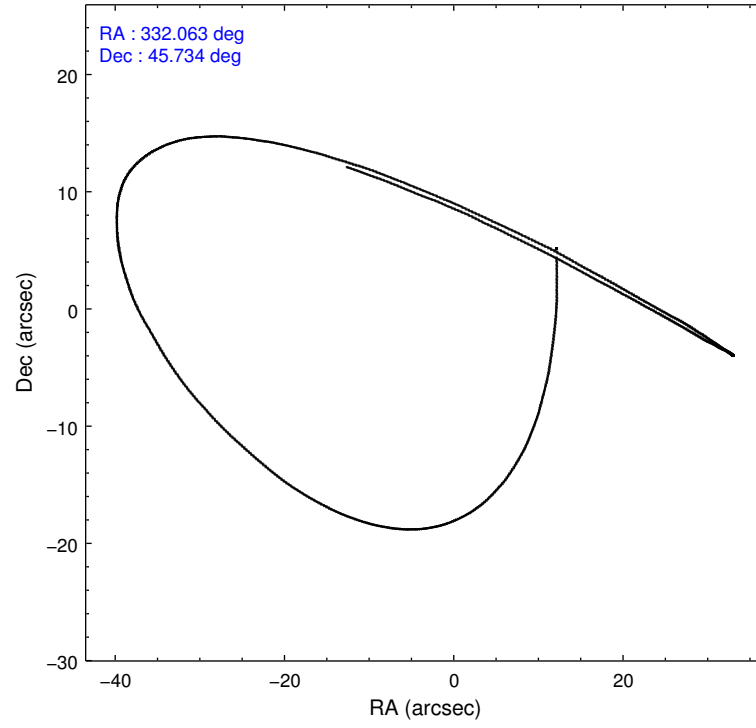
	segment 1	segment 2	segment 3
level 1 events	824	91982	766
rejected events	824	20624	757
rejected %	100%	22%	98%

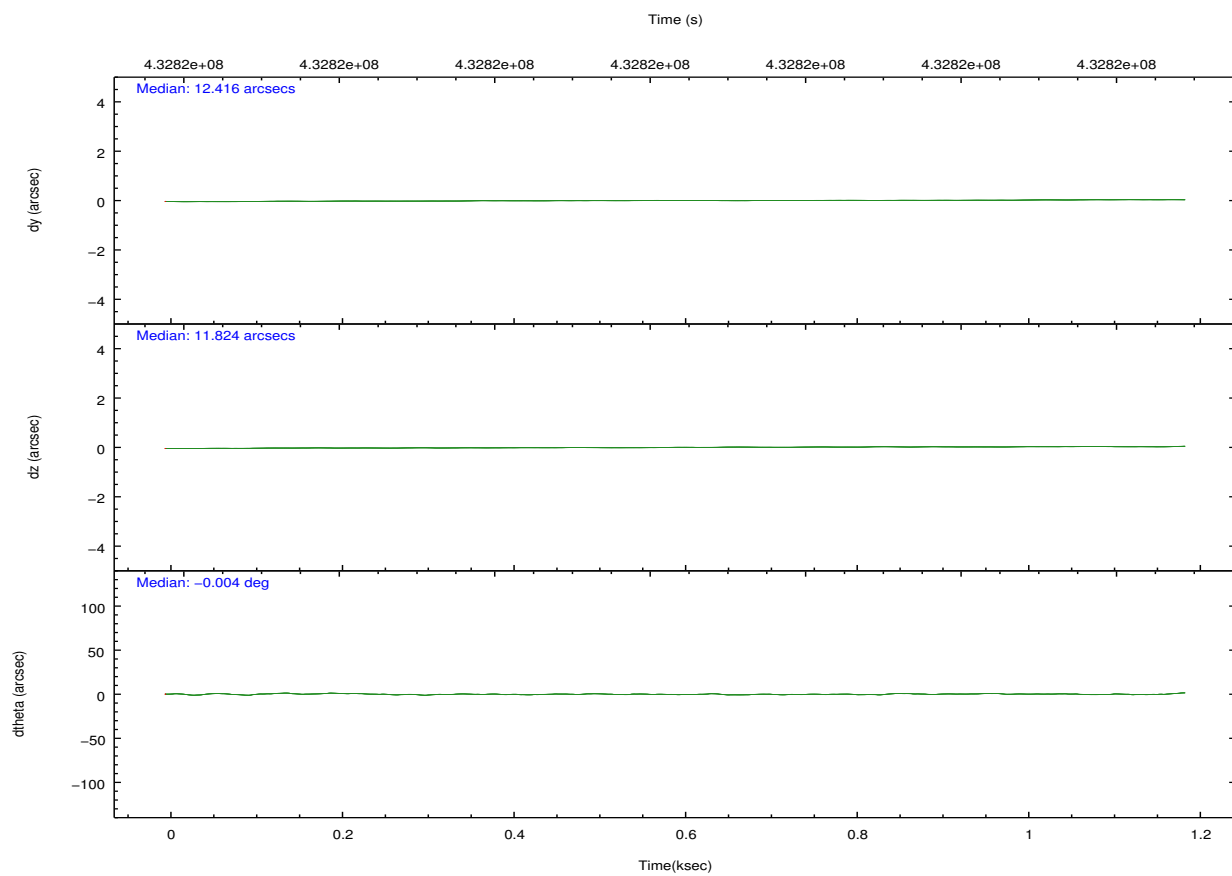
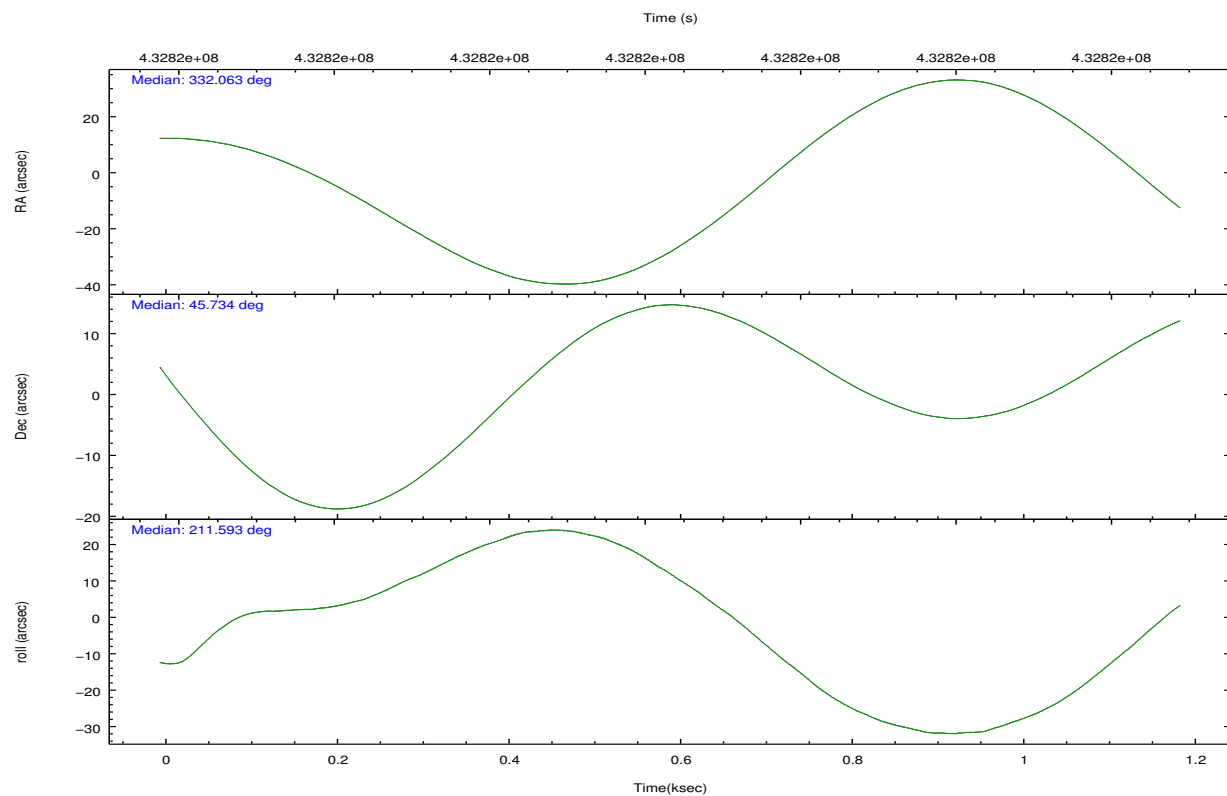
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-S	HRC-S
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.078524	332.0618080964084
[deg] Pointing Dec	45.760681	45.73391685234831
[deg] Pointing Roll	211.516079	211.5953722839356
[mm] SIM focus pos	-1.533336	-1.526339935833849
[mm] SIM defocus	7.710433287538843e-07	0.006996703570447904
[mm] SIM translation stage pos	250.455976	250.4635187648994
[mm] SIM translation stage offset	0	-0.007540371344731511
[s] Observation start time (MET)	432821622.184000	432821246.10038
Observation start date	2011-09-19T12:12:36	2011-09-19T12:07:26
[s] Observation end time (MET)	432822622.184000	432822755.92546
Observation end date	2011-09-19T12:29:16	2011-09-19T12:32:35

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



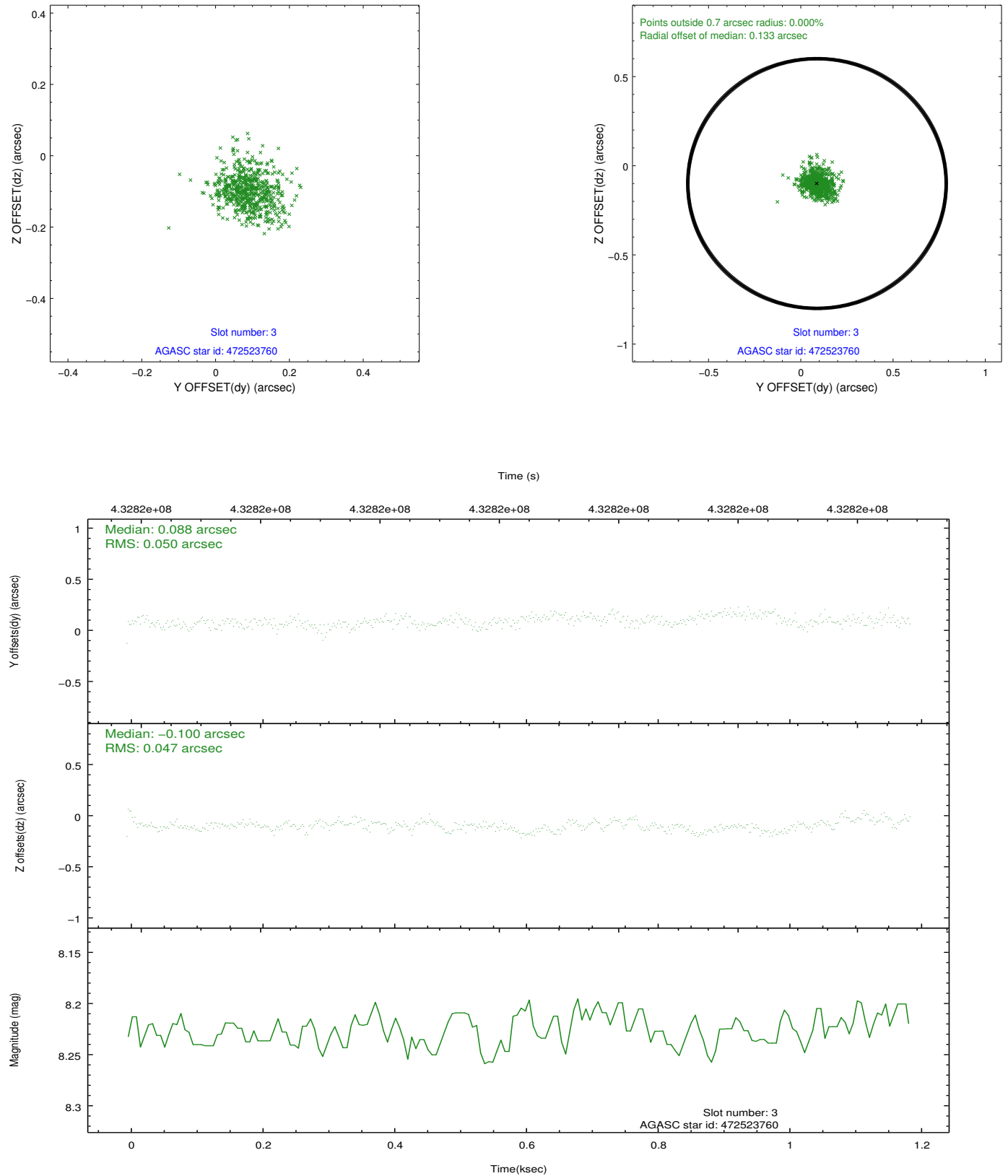


Slot Statistics

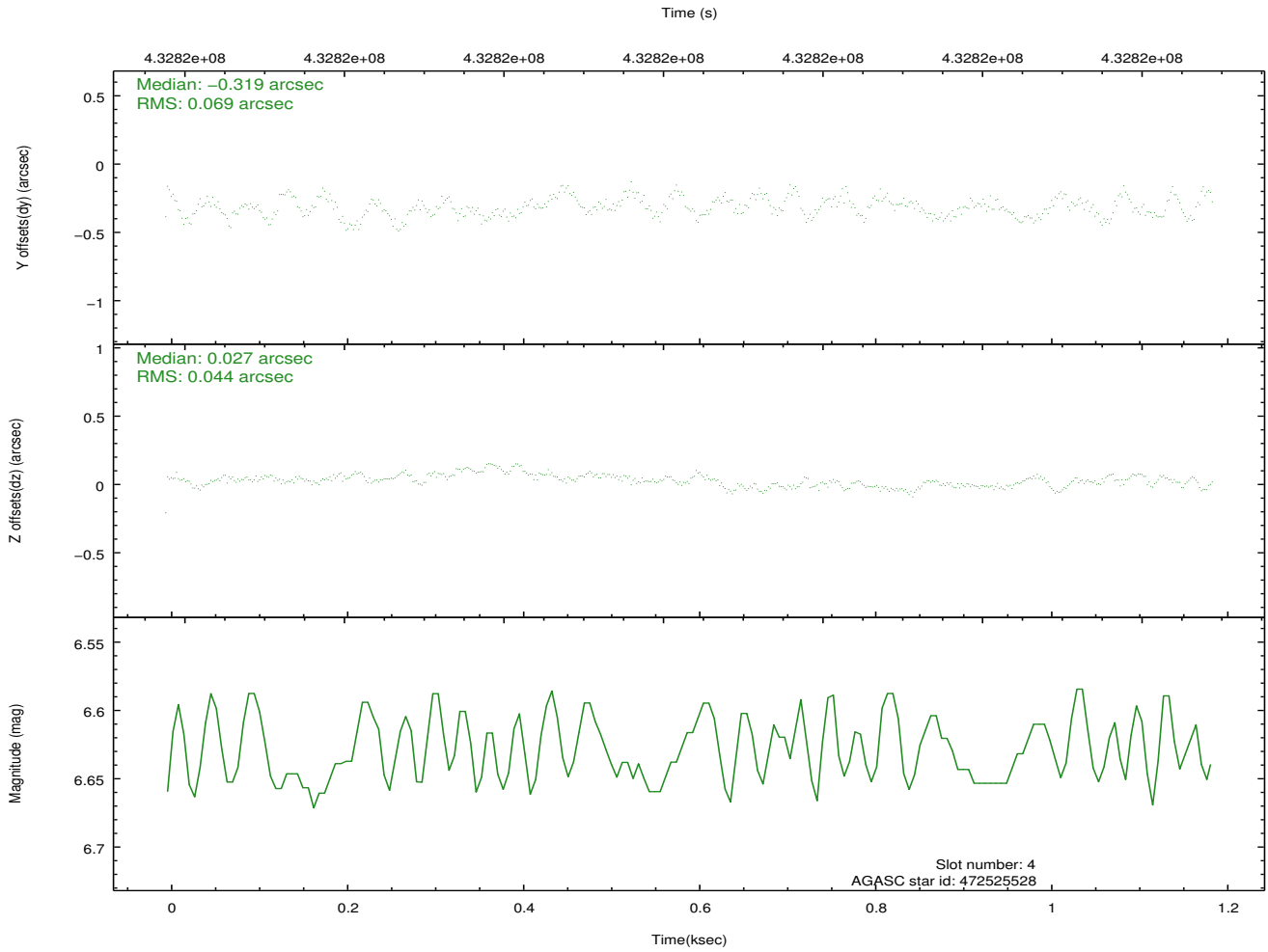
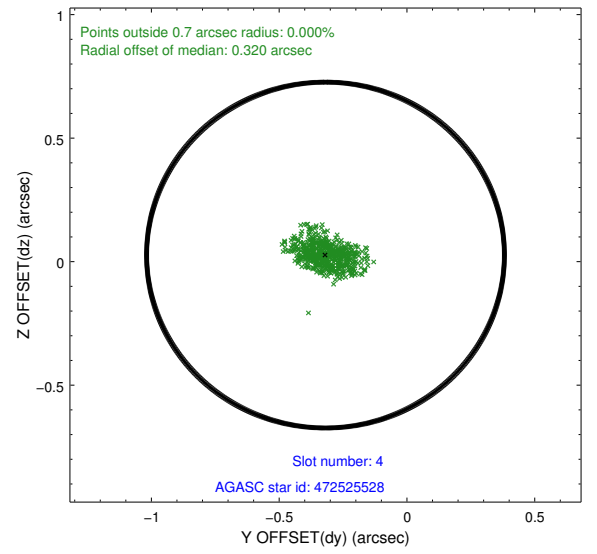
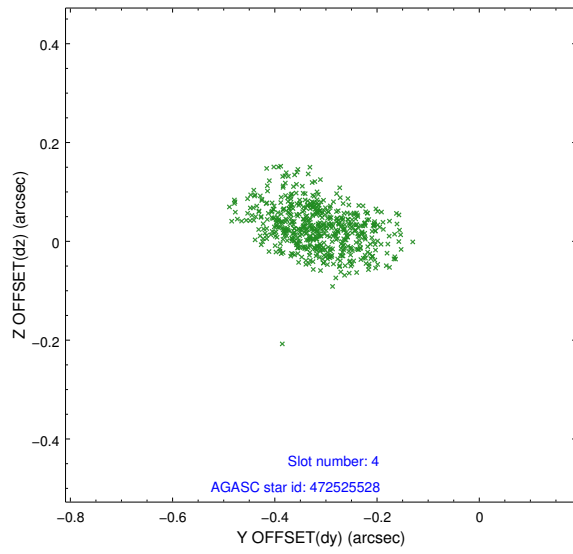
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.98	291	0.050	-0.118	0.006	0.011	0.000000	0.000000	-1166.77	-460.50
1	FID	HRC-S-2	6.98	291	0.282	-0.131	0.005	0.009	0.000000	0.000000	1229.11	-454.69
2	FID	HRC-S-3	6.99	291	0.058	-0.053	0.006	0.010	0.000000	0.000000	-1165.27	567.52
3	GUIDE	472523760	8.23	581	0.088	-0.100	0.072	0.122	331.645363	45.403260	1605.44	518.36
4	GUIDE	472525528	6.63	581	-0.319	0.027	0.087	0.144	331.551102	45.248694	2103.99	866.11
5	GUIDE	472533912	9.14	581	0.228	0.096	0.147	0.233	331.791136	46.368695	-531.53	-2242.40
6	GUIDE	472651904	6.45	581	-0.004	-0.318	0.077	0.129	332.170077	45.742257	-161.39	167.98
7	GUIDE	472659832	9.45	580	-0.016	0.297	0.152	0.245	332.780399	46.098139	-2132.20	-129.58

2.4 Star Slots

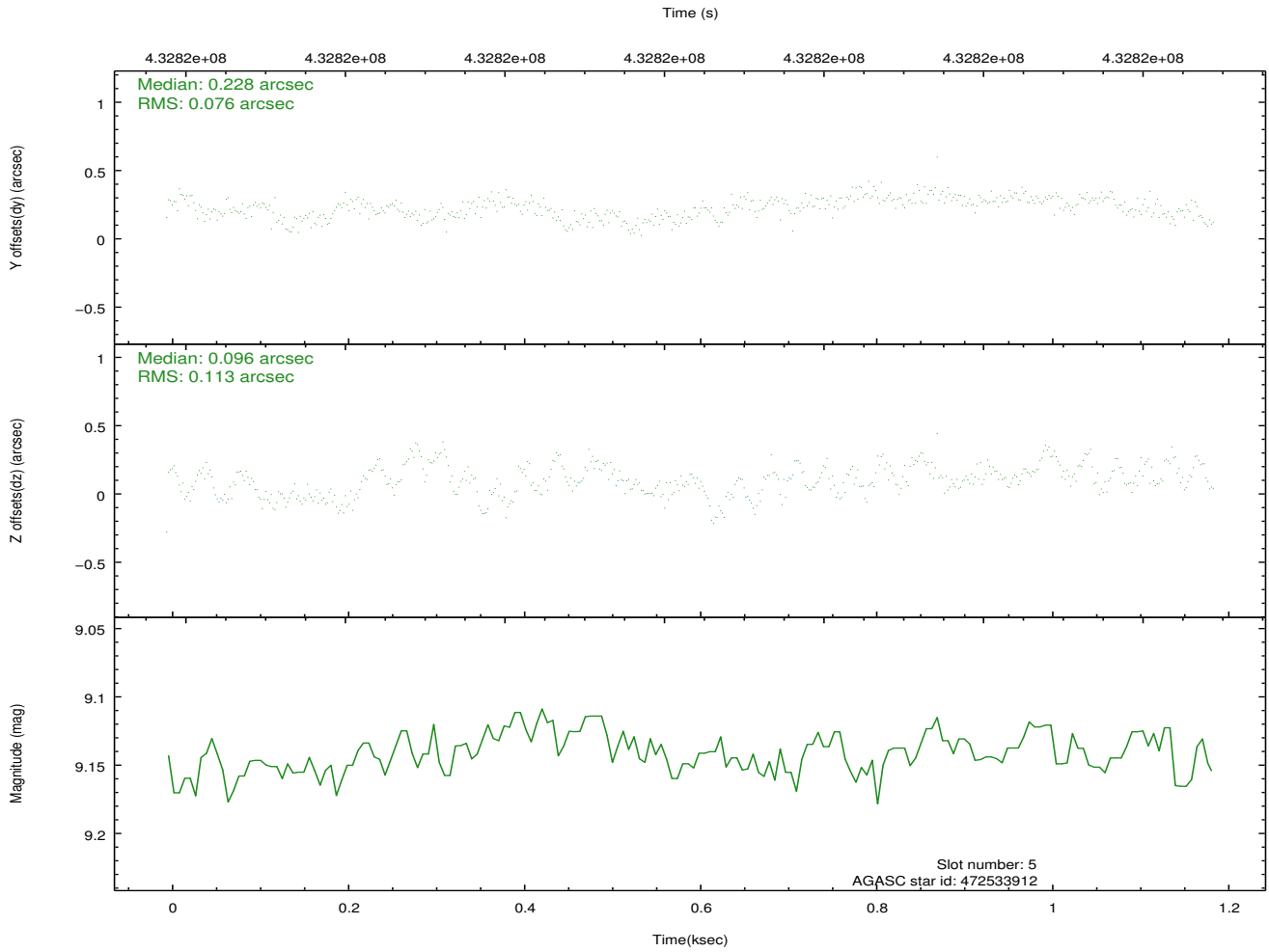
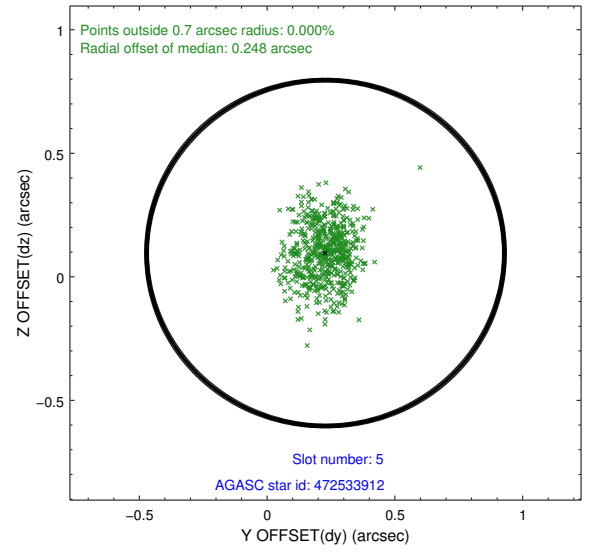
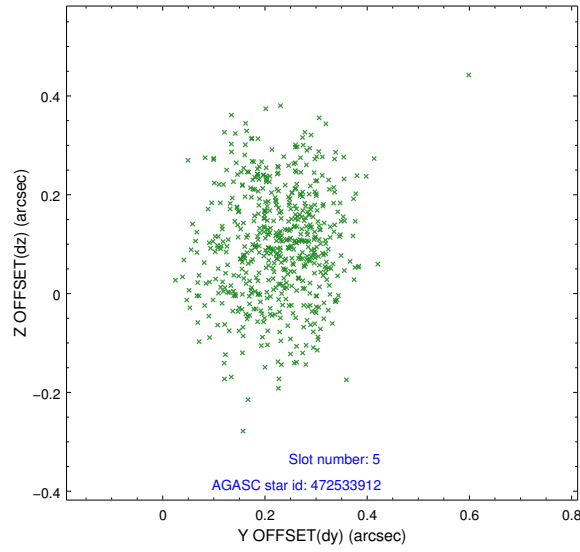
2.4.1 Slot 3



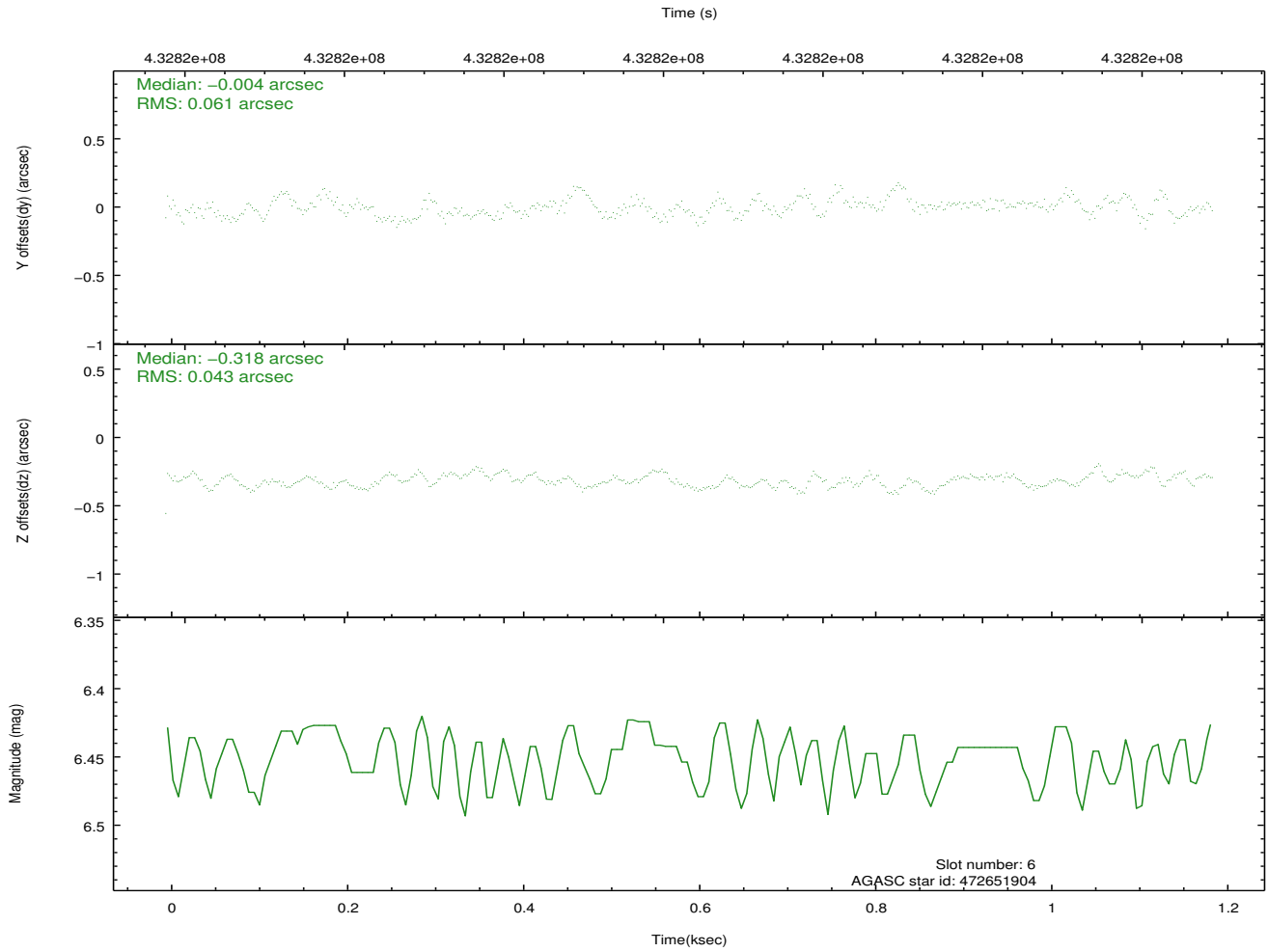
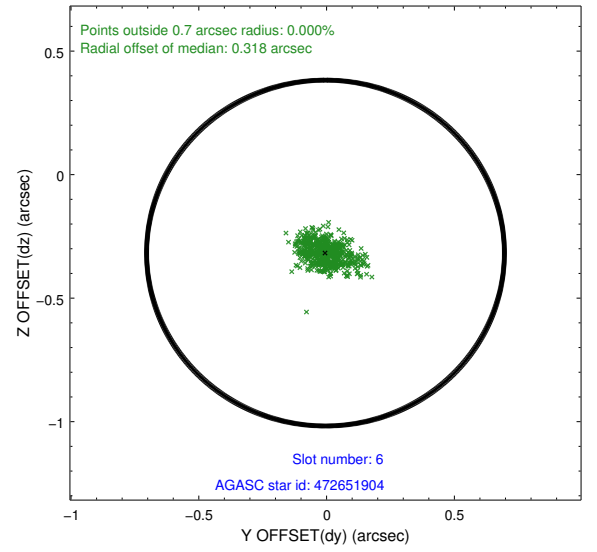
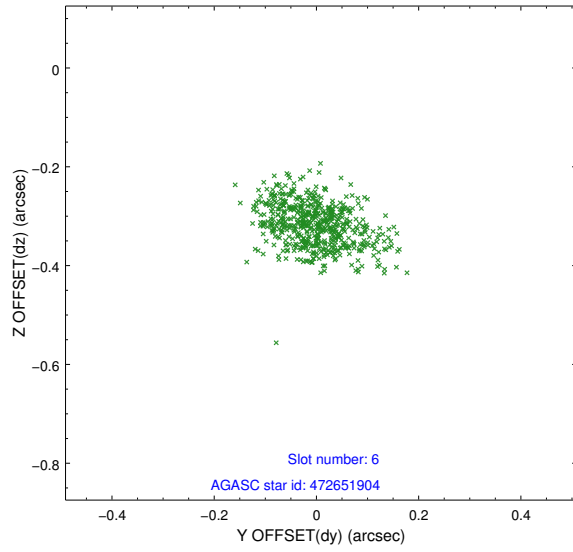
2.4.2 Slot 4



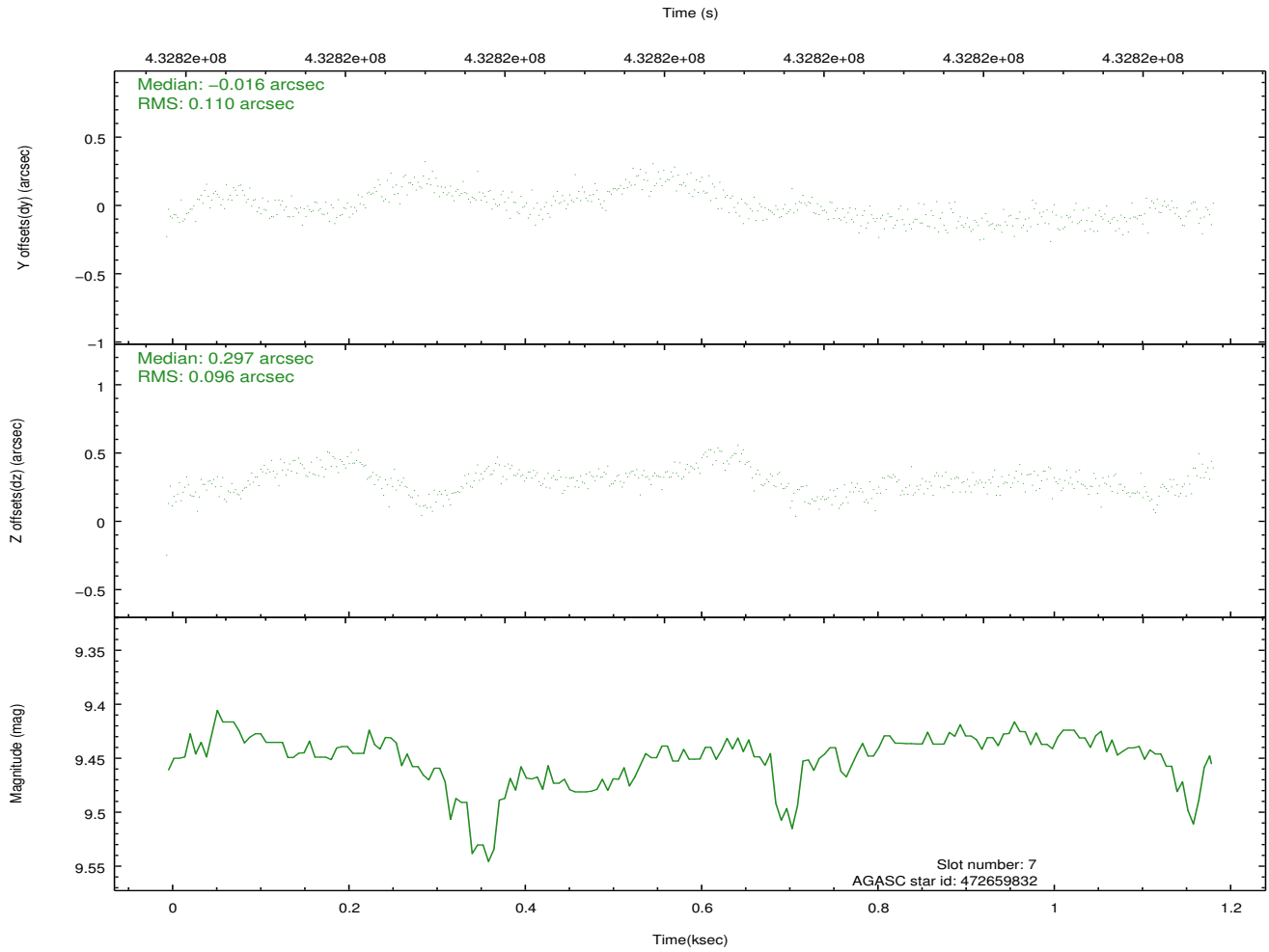
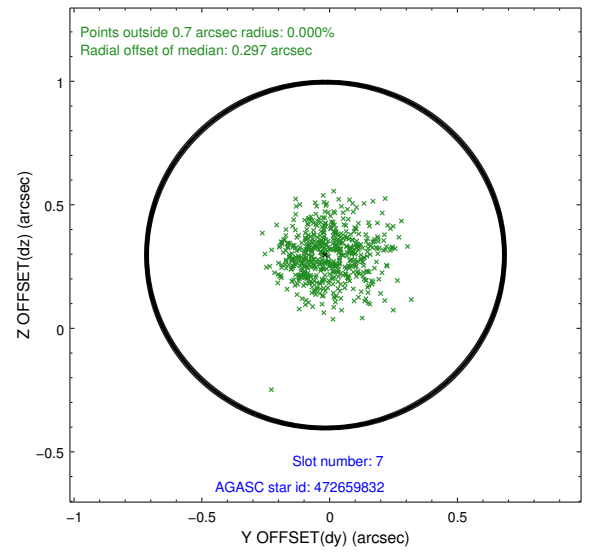
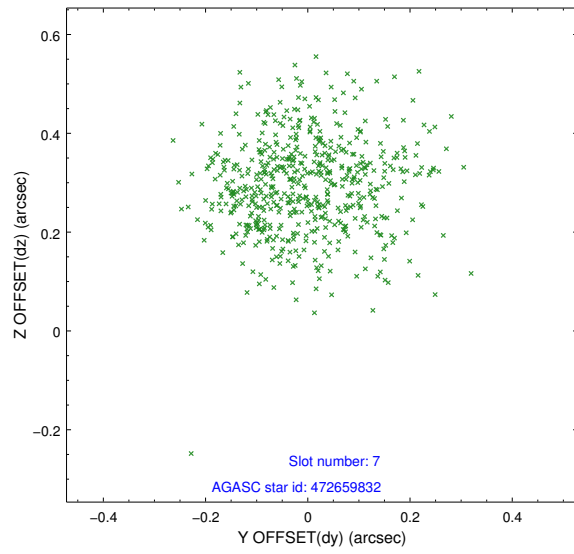
2.4.3 Slot 5



2.4.4 Slot 6

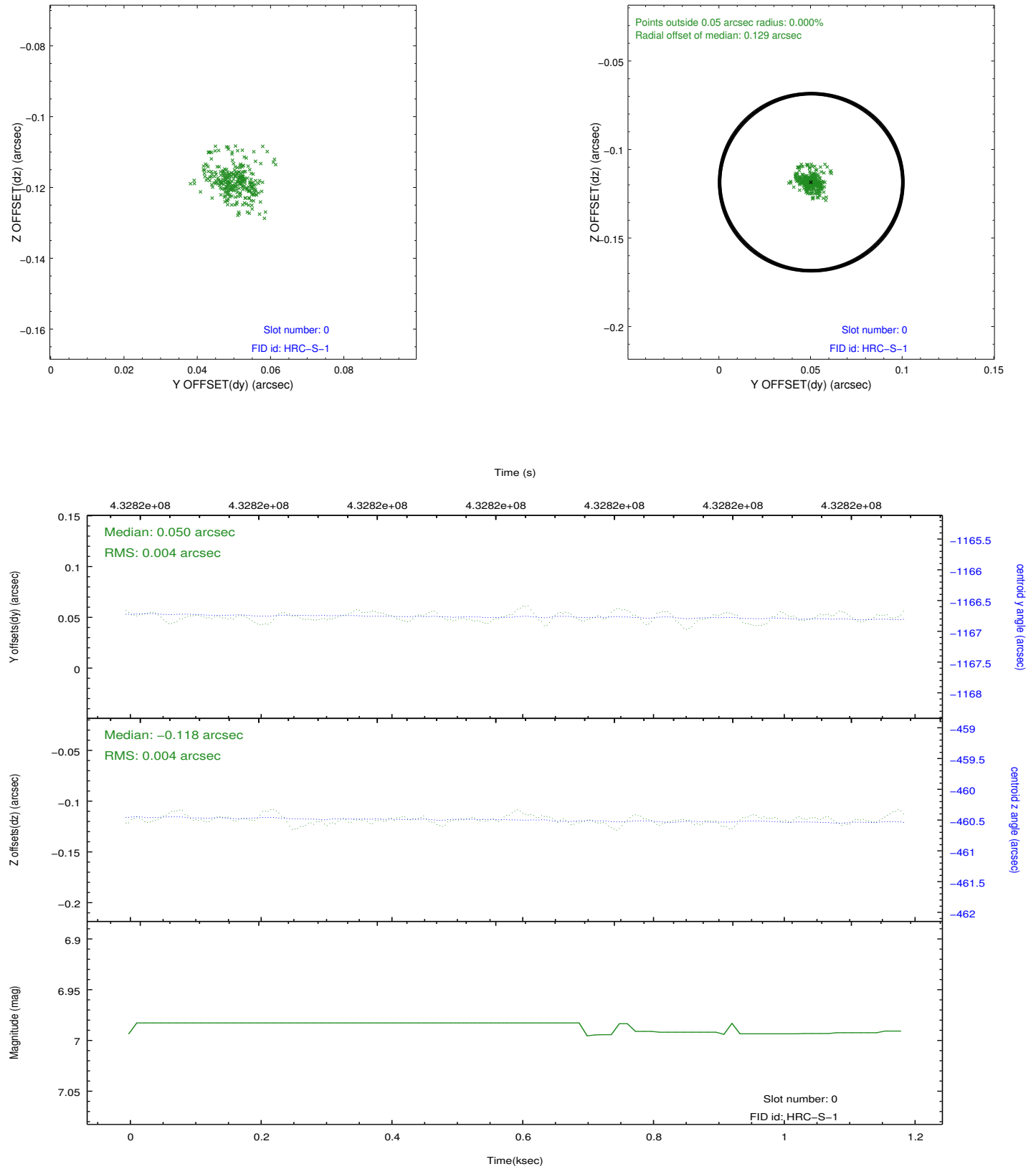


2.4.5 Slot 7

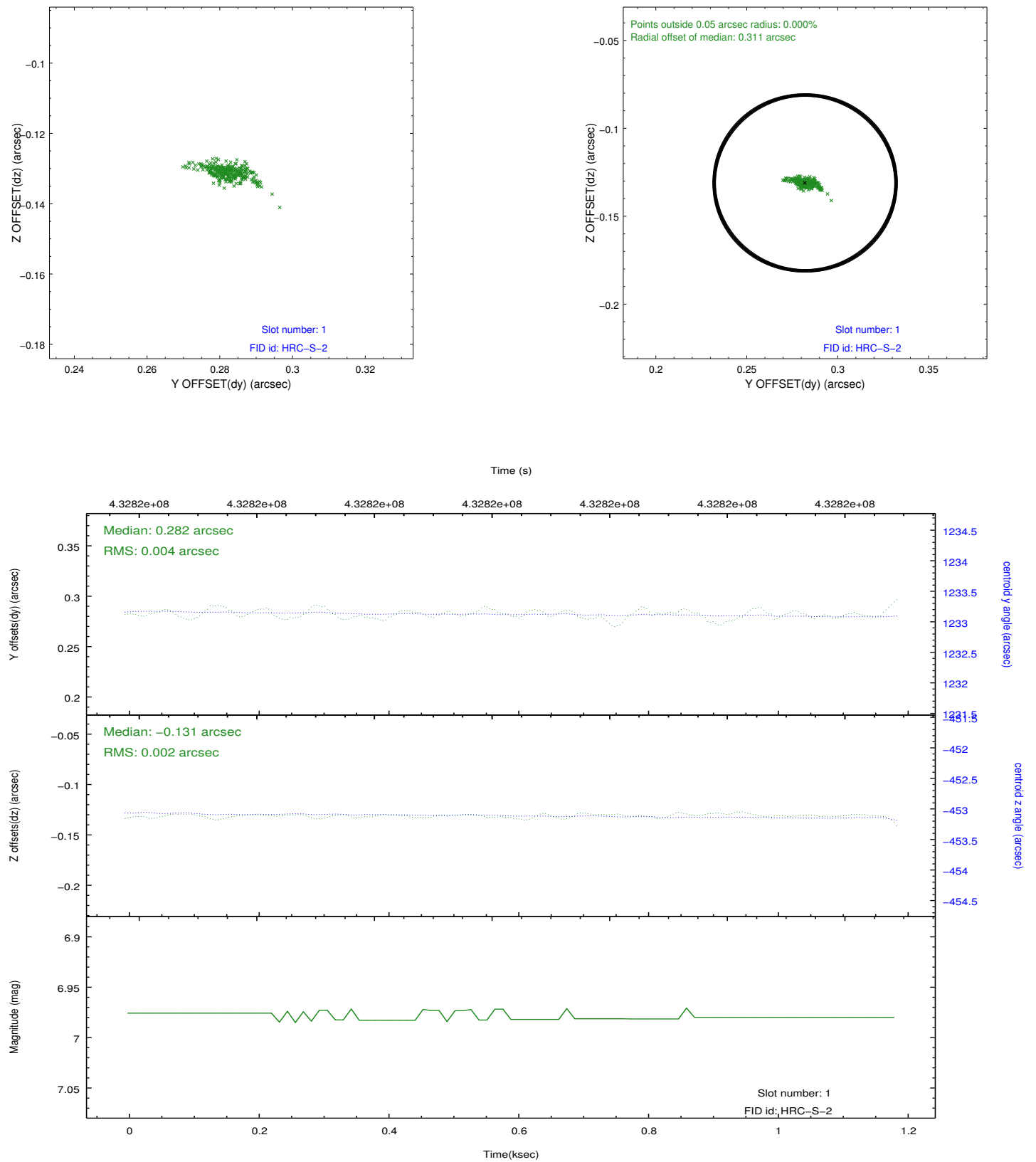


2.5 FID Slots

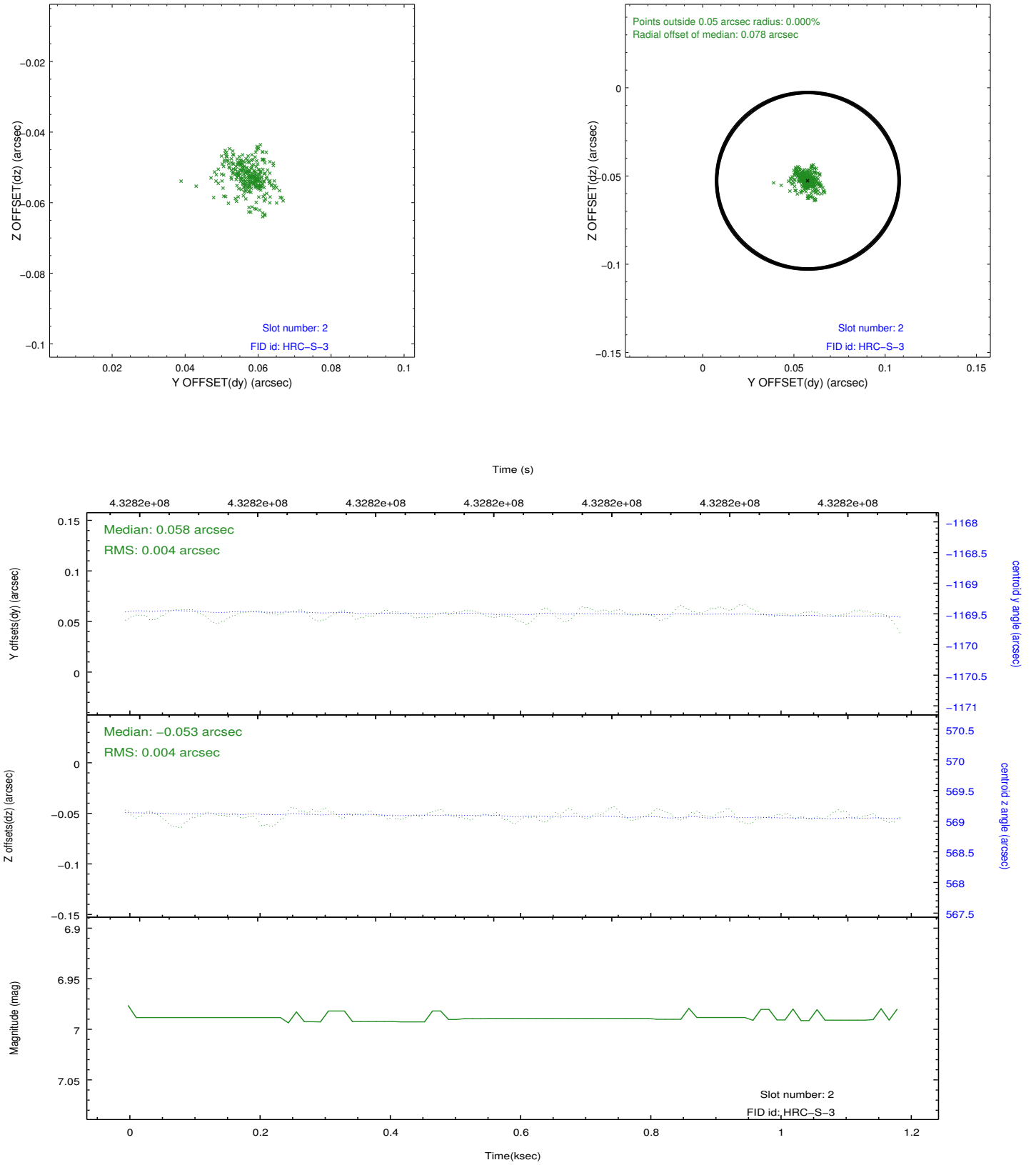
2.5.1 Slot 0



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)	2012.08.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.1595313107371

A.2 Comments