

V&V Reference Report

L2 ASCDS Version : 10.4.1

Observation 17351 - L2 Version 1
Chandra X-Ray Center

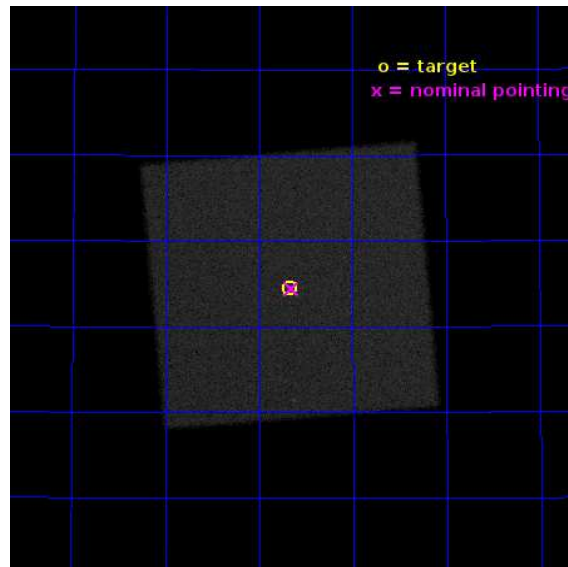
L2 Processing Date : Sep 27 2015

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1 Front

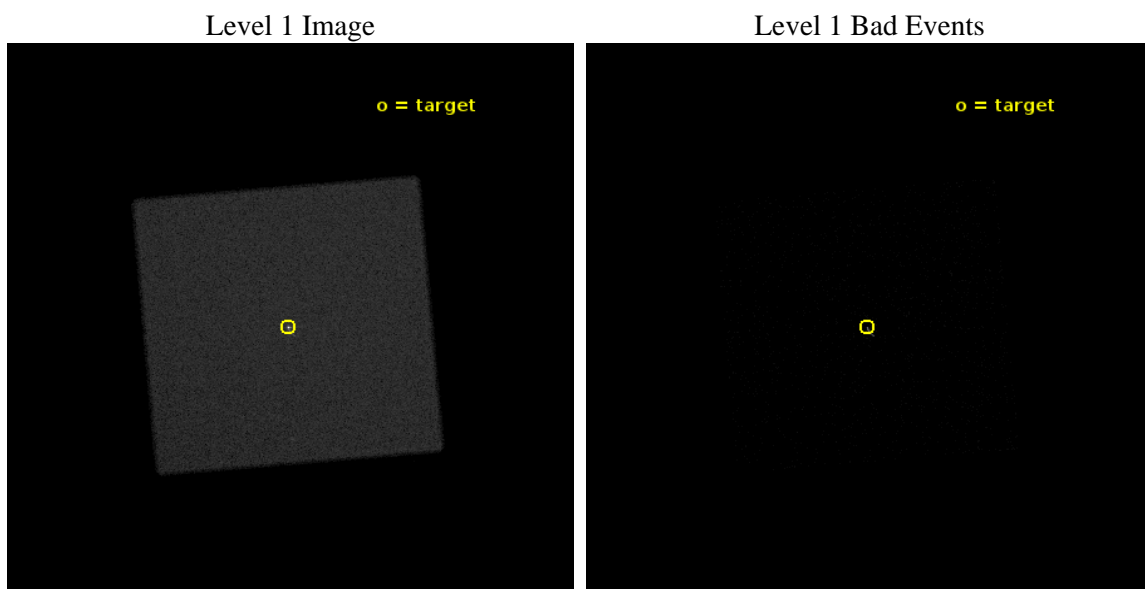
seq_num	291224	Sequence number
obs_id	17351	Observation id
title	AO-16 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.1641083086	Nominal RA [deg]
dec_nom	45.74063768592	Nominal Dec [deg]
roll_nom	220.06413714492	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5179.3252924681	[s]
livetime	5132.7290922524	Ontime multiplied by DTCOR
l2events	385490	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.1	Processing system revision	ontime	5179.3252924681	[s]
caldbver	4.6.8	 	l1events	607254	Number of level 1 events
date	2015-09-27T03:42:06	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

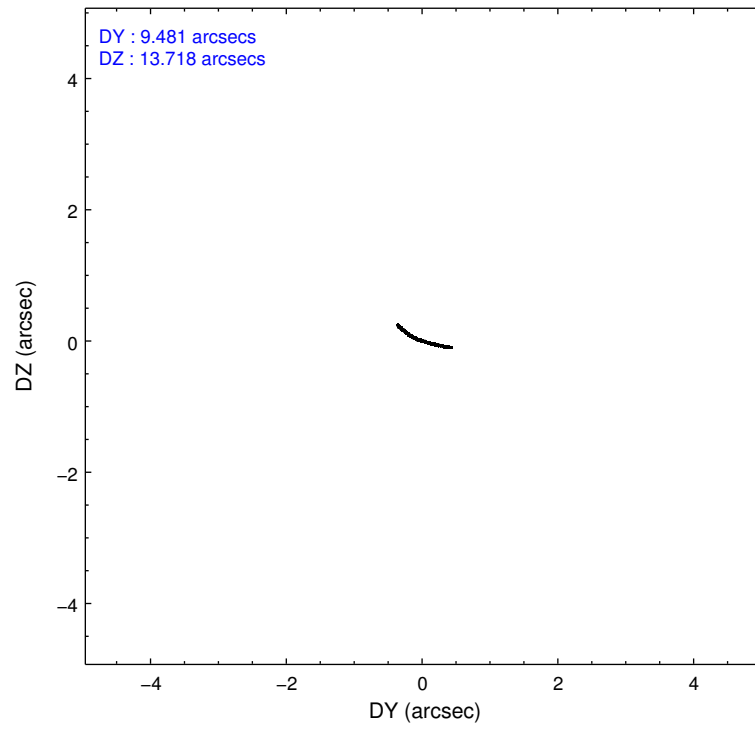
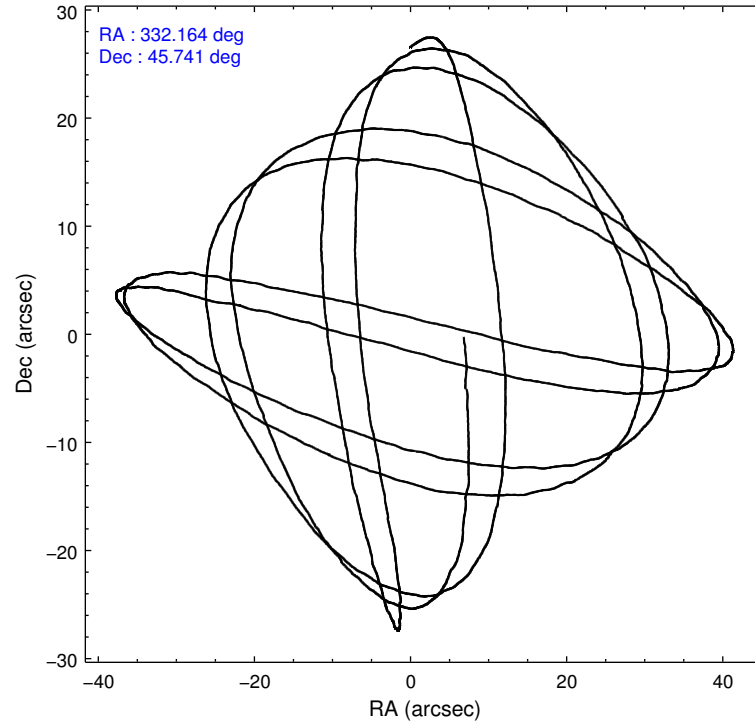
Level 1 Events

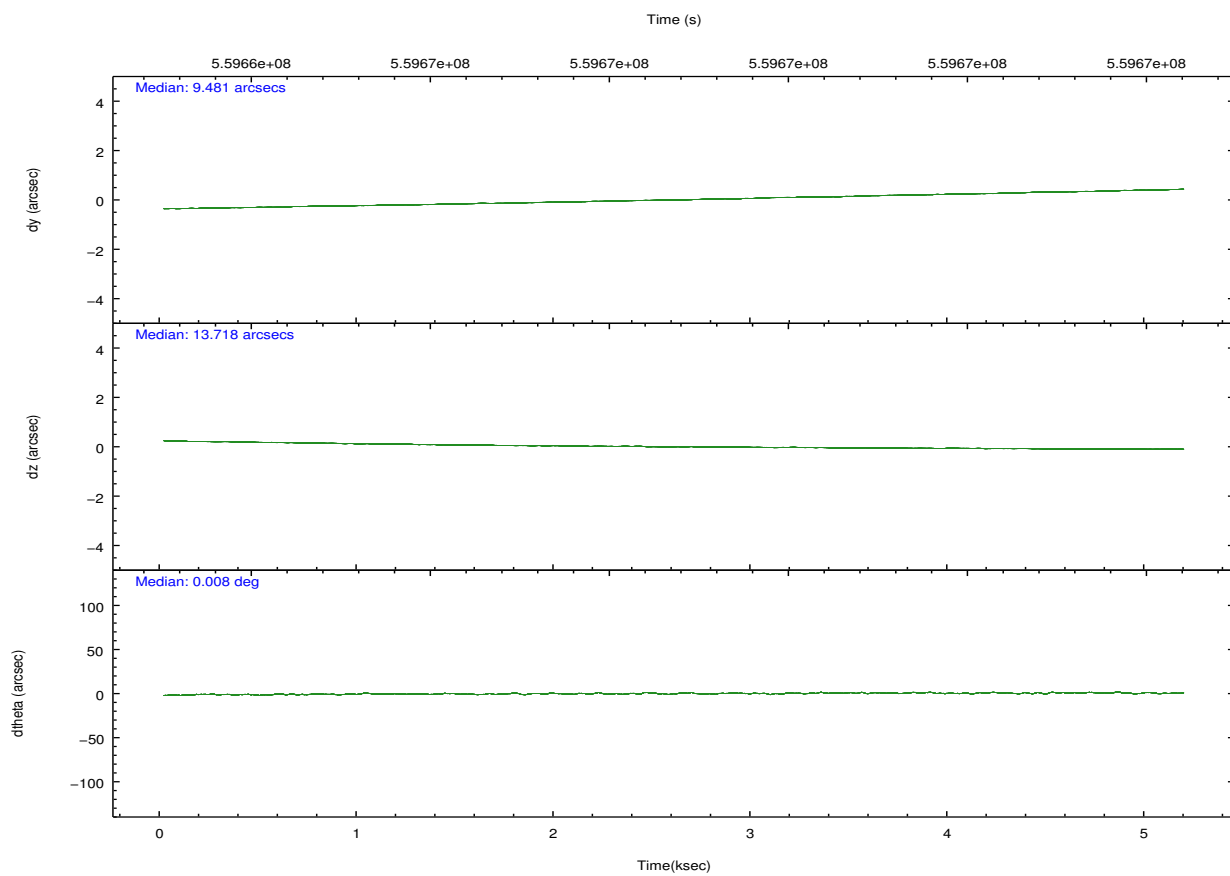
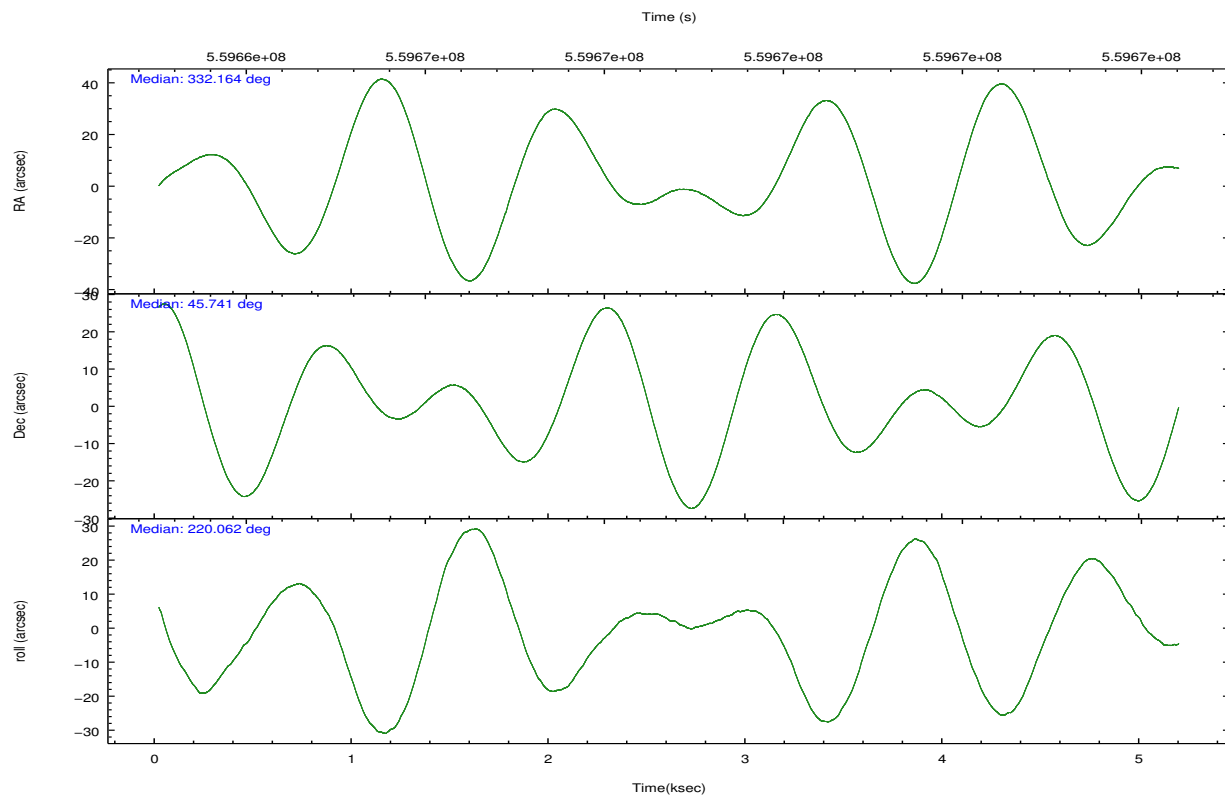
	segment 0
level 1 events	607254
rejected events	98852
rejected %	16%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	332.176703	332.1641083085968			
[deg] Pointing Dec	45.766738	45.74063768592048			
[deg] Pointing Roll	220.150587	220.0641371449195			
[s] Window start time (MET)	554774468.184000	554774468.184000			
[s] Window stop time (MET)	562636868.184000	562636868.184000			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	559664972.184000	559663884.80566			
Observation start date	2015-09-26T14:28:24	2015-09-26T14:11:24			
[s] Observation end time (MET)	559669972.184000	559670106.55601			
Observation end date	2015-09-26T15:51:44	2015-09-26T15:55:06			

2.3 Aspect



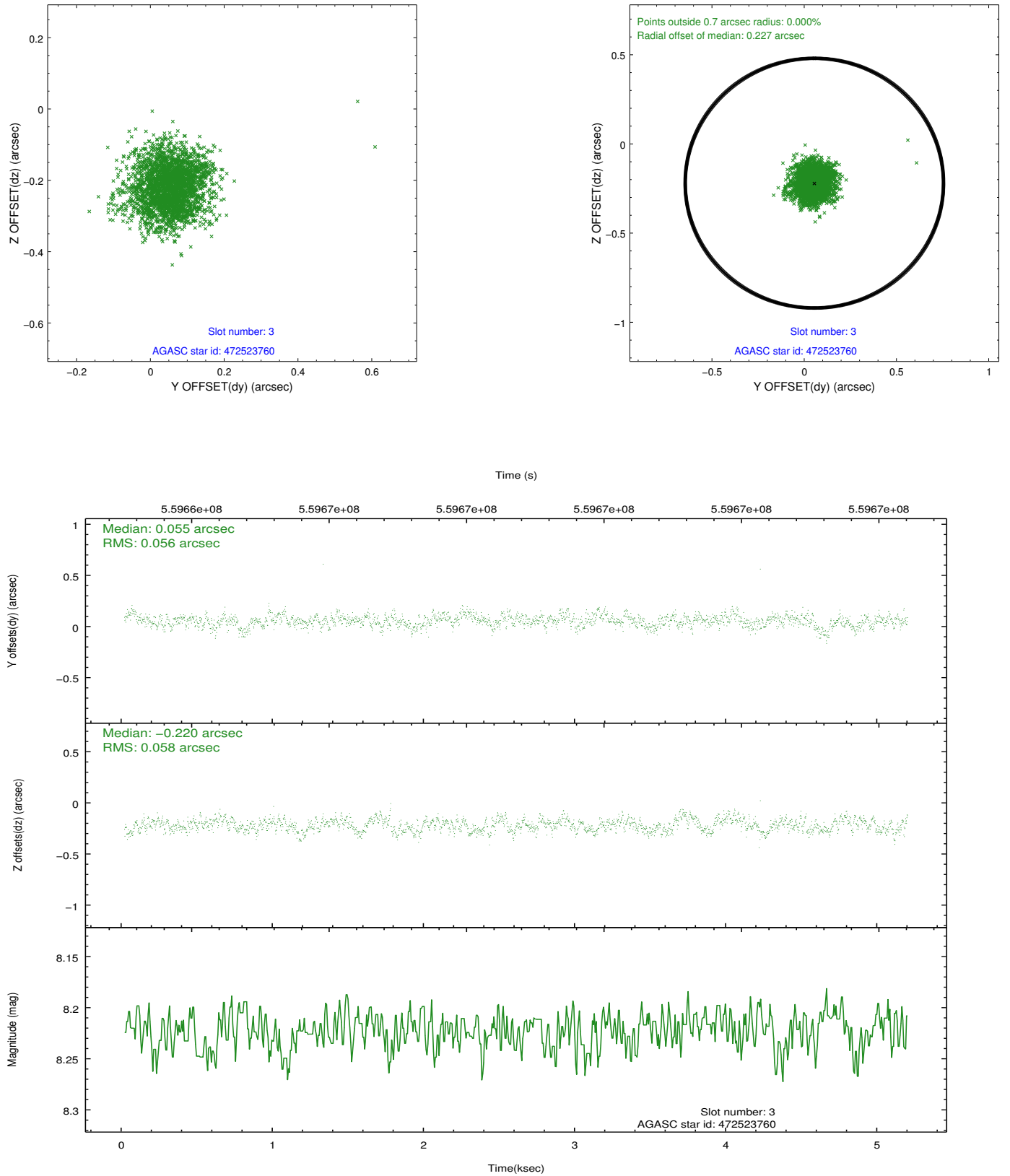


Slot Statistics

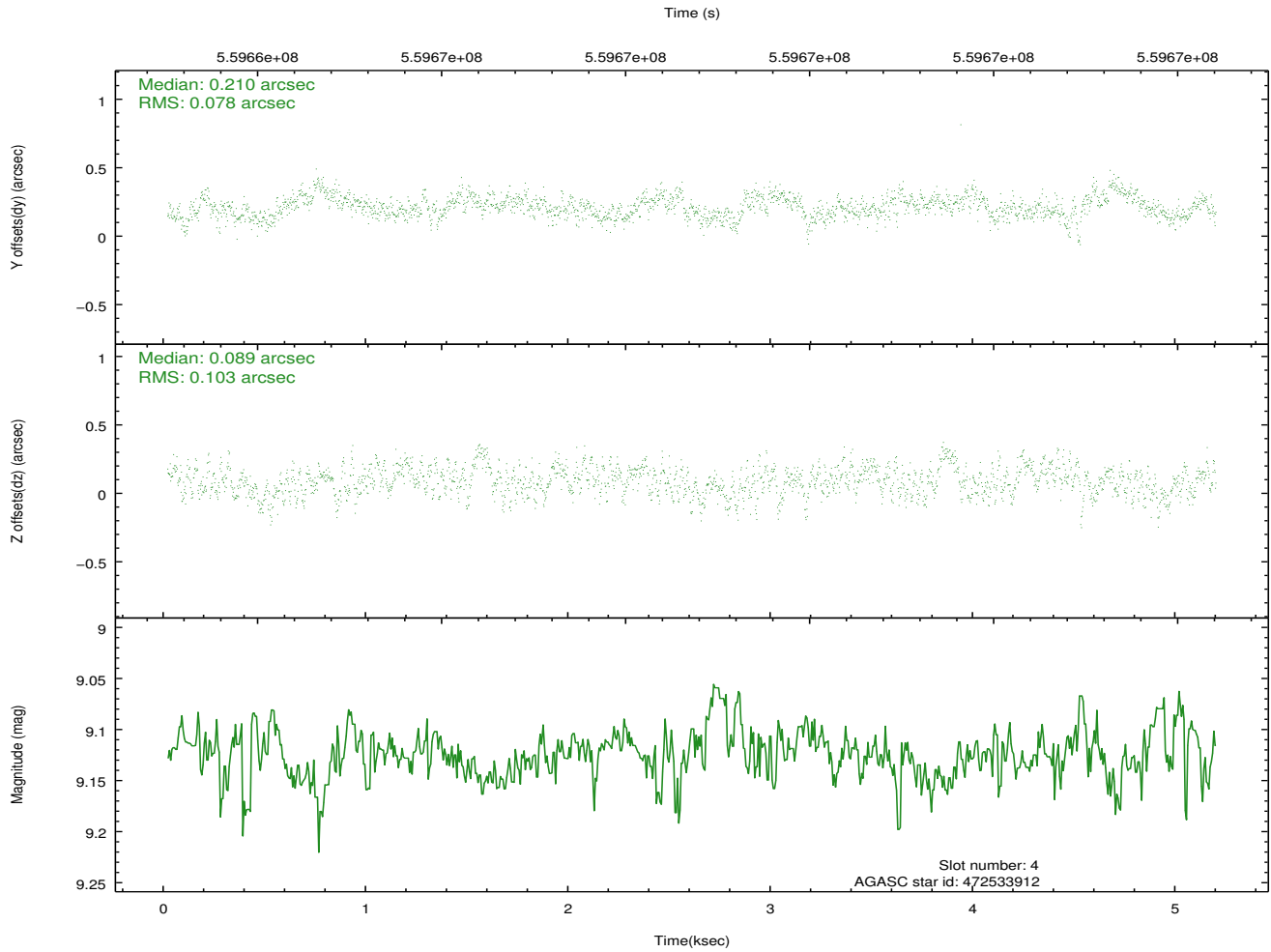
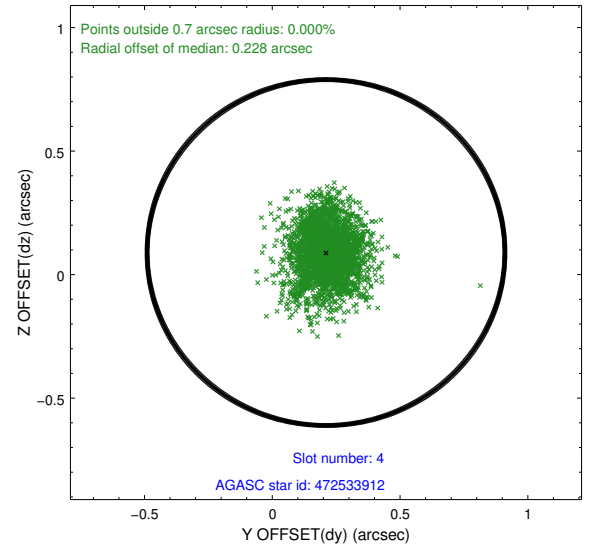
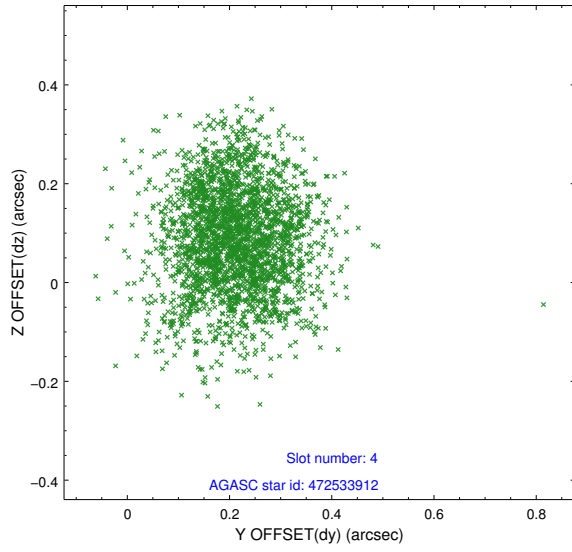
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	6.99	1264	-0.110	0.001	0.007	0.012	0.000000	0.000000	-765.25	-1301.78
1	FID		HRC-I-2	7.01	1264	0.311	-0.175	0.008	0.014	0.000000	0.000000	847.20	-1304.55
2	FID		HRC-I-3	7.08	1264	-0.082	0.084	0.009	0.017	0.000000	0.000000	-1193.04	1001.83
3	GUIDE	used	472523760	8.22	2528	0.055	-0.220	0.086	0.138	331.645363	45.403260	1867.33	130.48
4	GUIDE	used	472533912	9.12	2527	0.210	0.089	0.135	0.226	331.791136	46.368695	-665.97	-2275.79
5	GUIDE	used	472655152	9.40	2527	0.019	-0.168	0.143	0.229	332.504239	45.862991	-852.67	262.24
6	GUIDE	used	472665256	8.99	2528	0.142	0.230	0.106	0.167	332.808125	46.195041	-2201.39	-168.68
7	GUIDE	used	472525528	6.63	2527	-0.422	0.072	0.088	0.153	331.551102	45.248694	2408.88	398.35

2.4 Star Slots

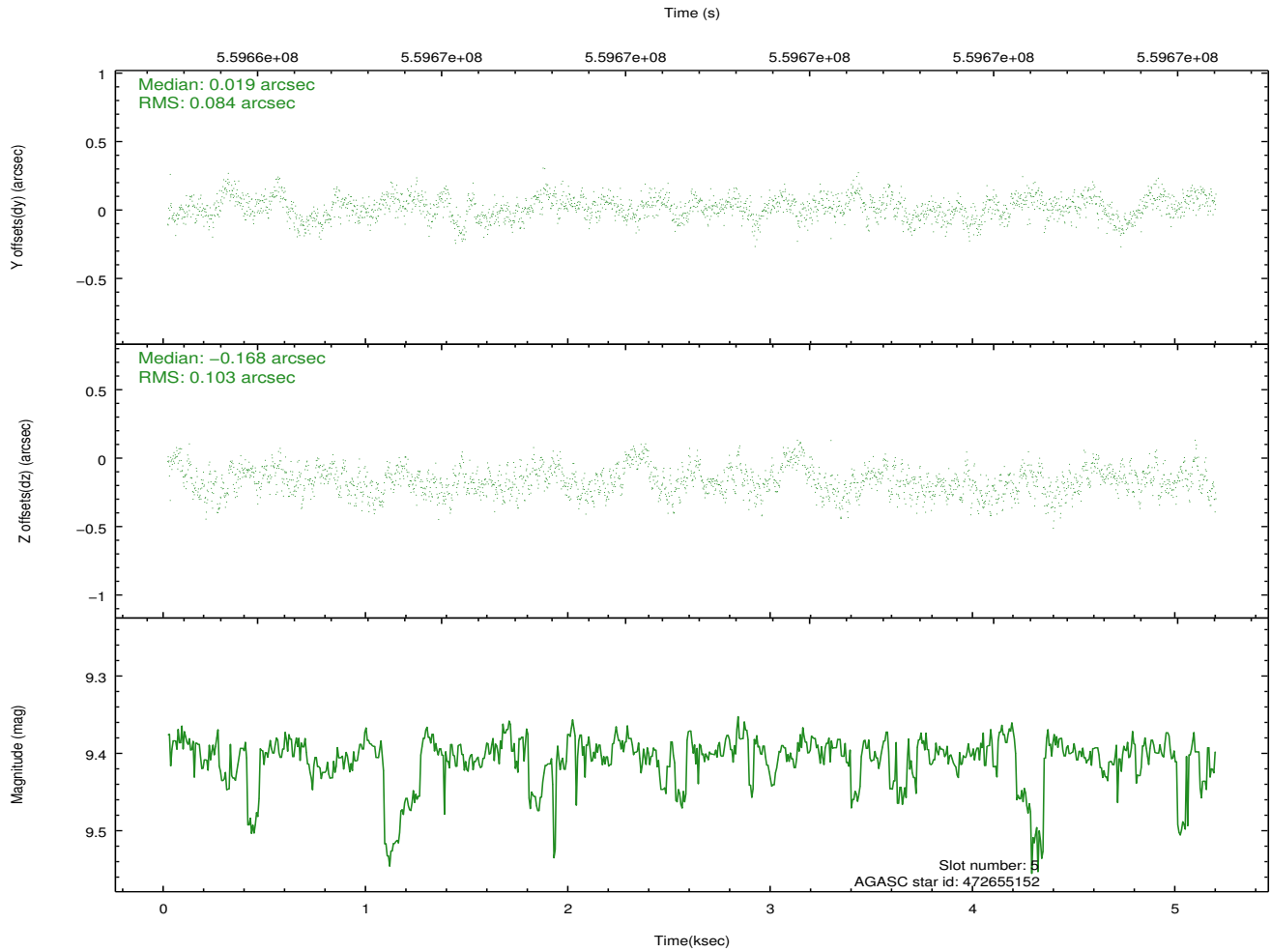
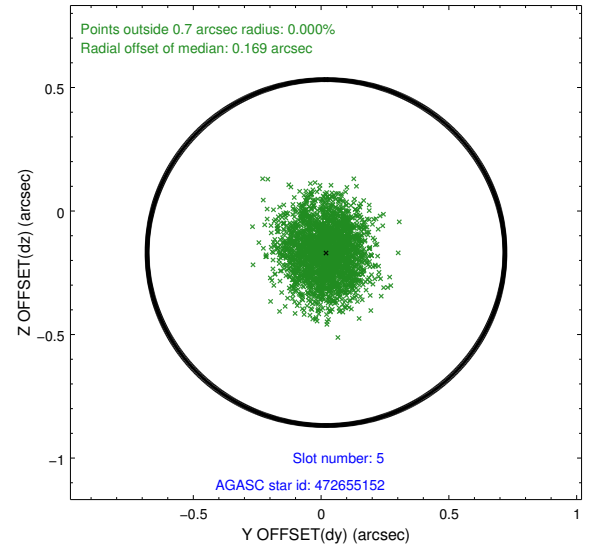
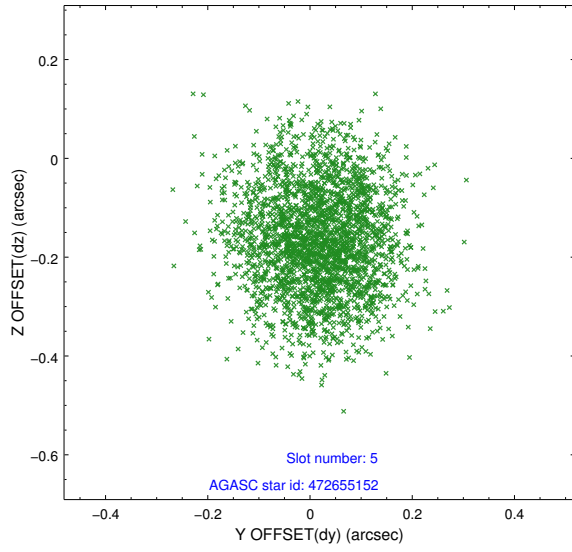
2.4.1 Slot 3



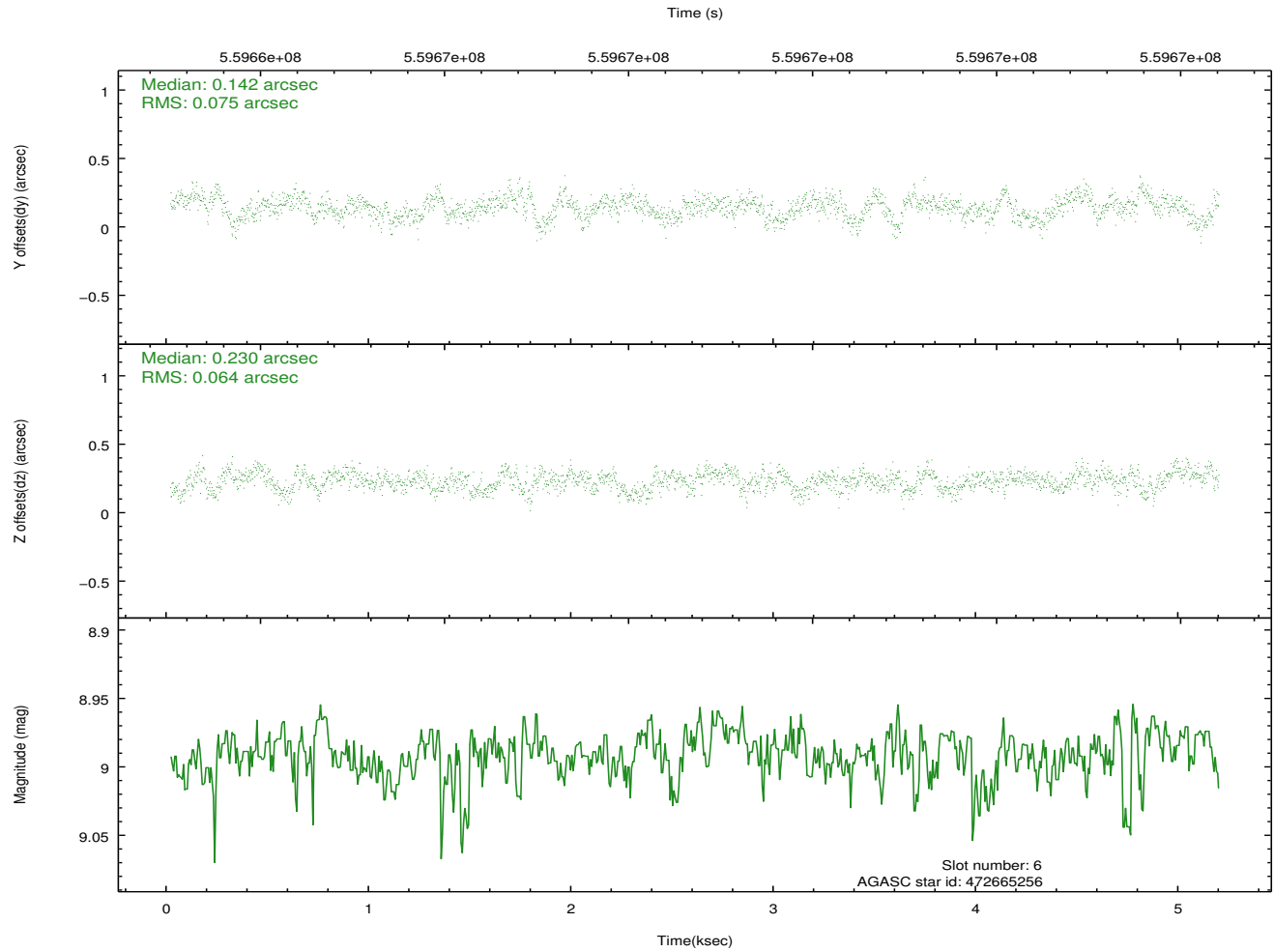
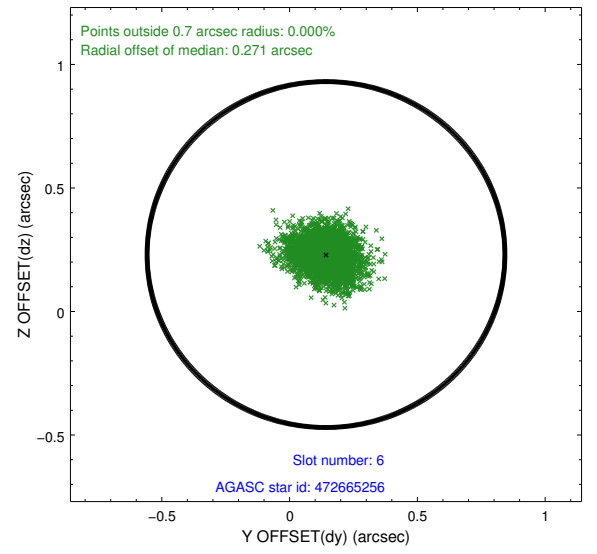
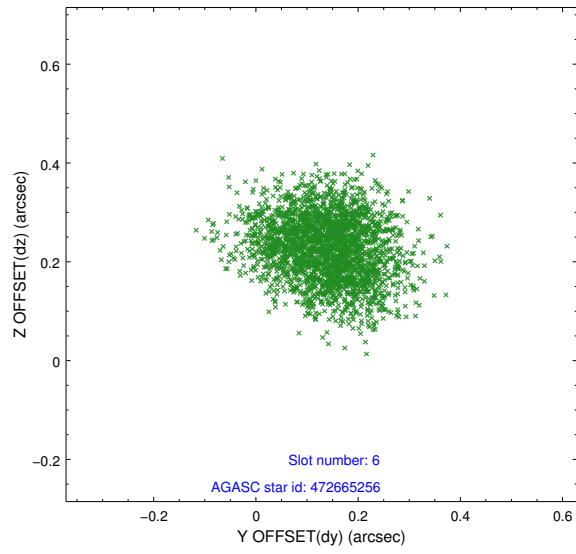
2.4.2 Slot 4



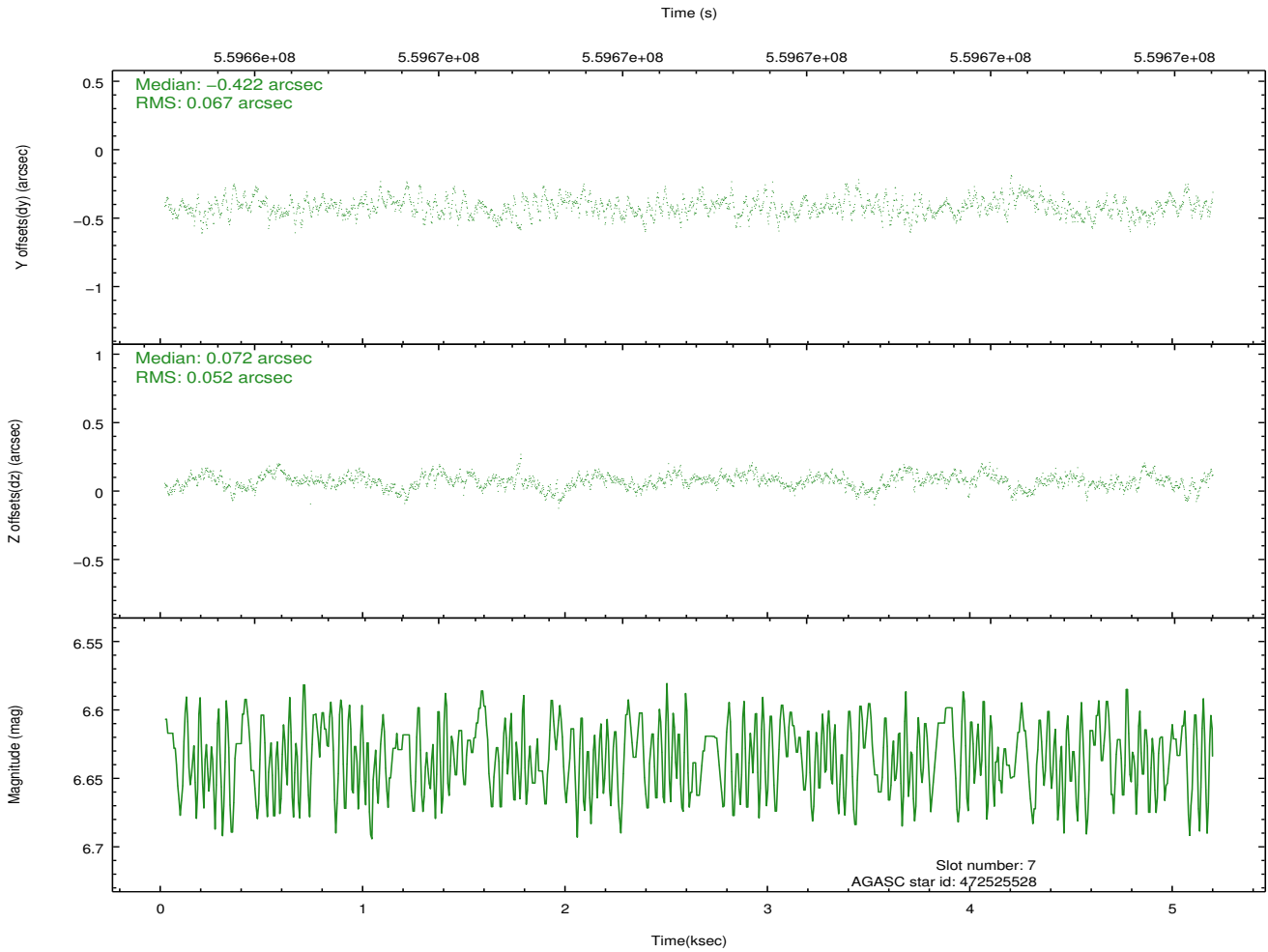
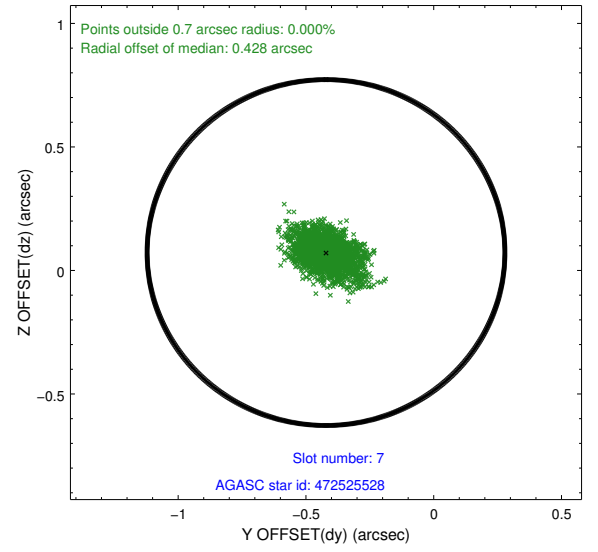
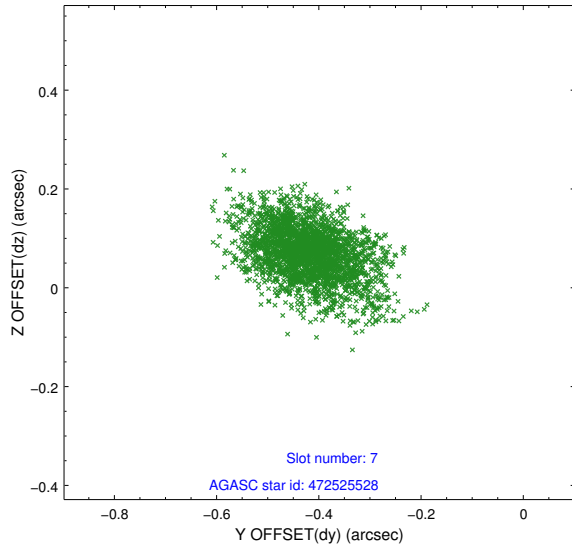
2.4.3 Slot 5



2.4.4 Slot 6

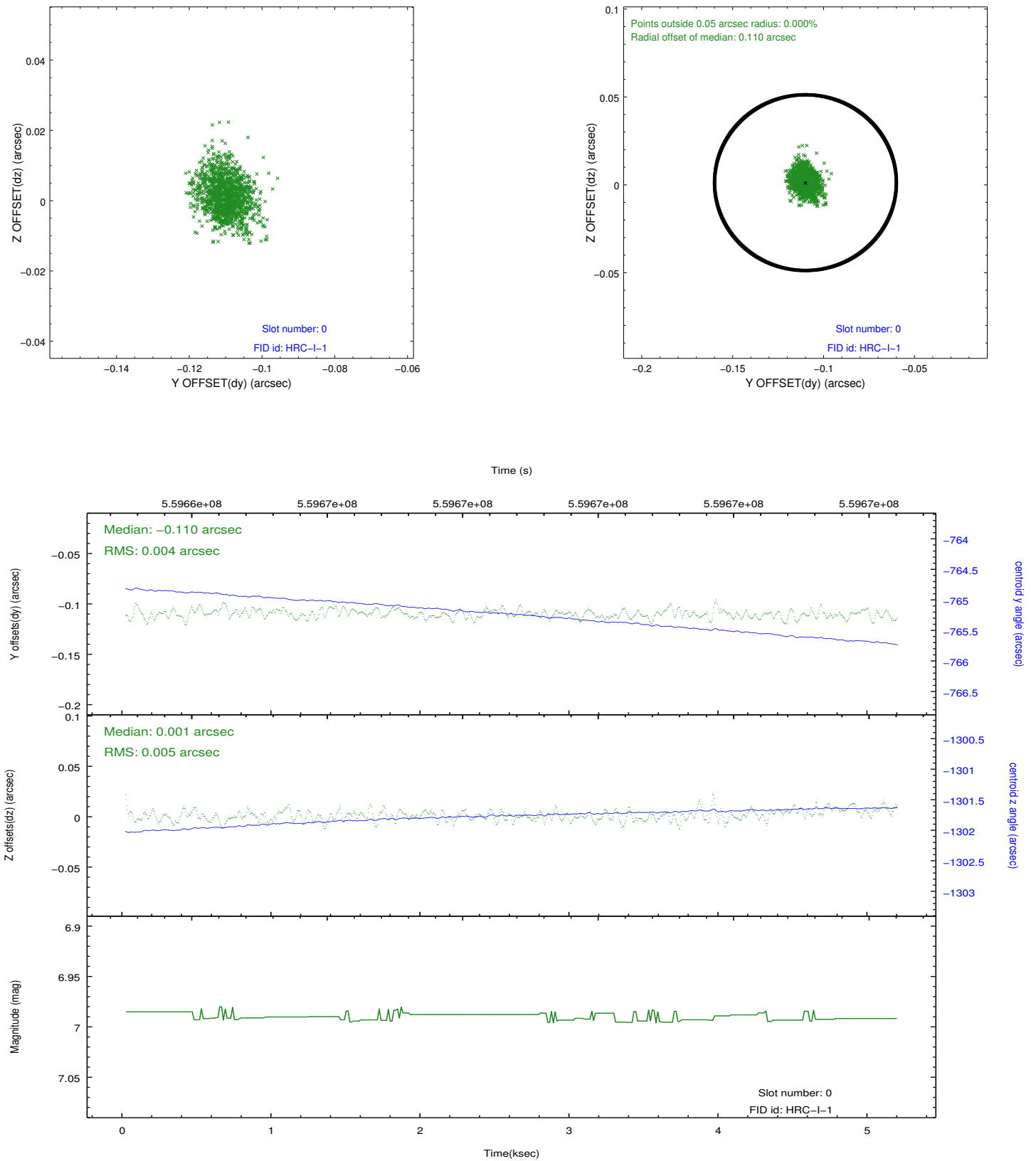


2.4.5 Slot 7

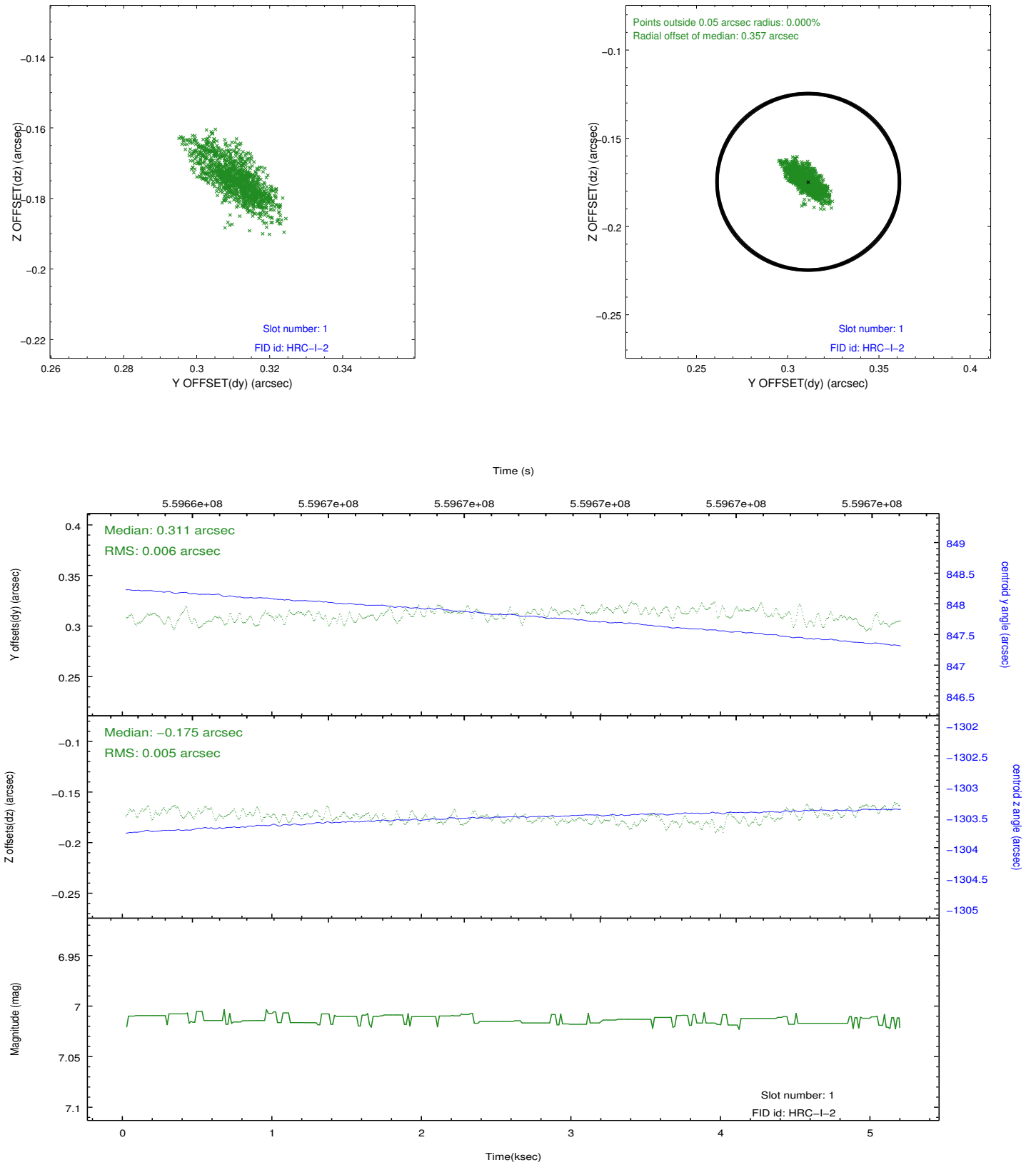


2.5 FID Slots

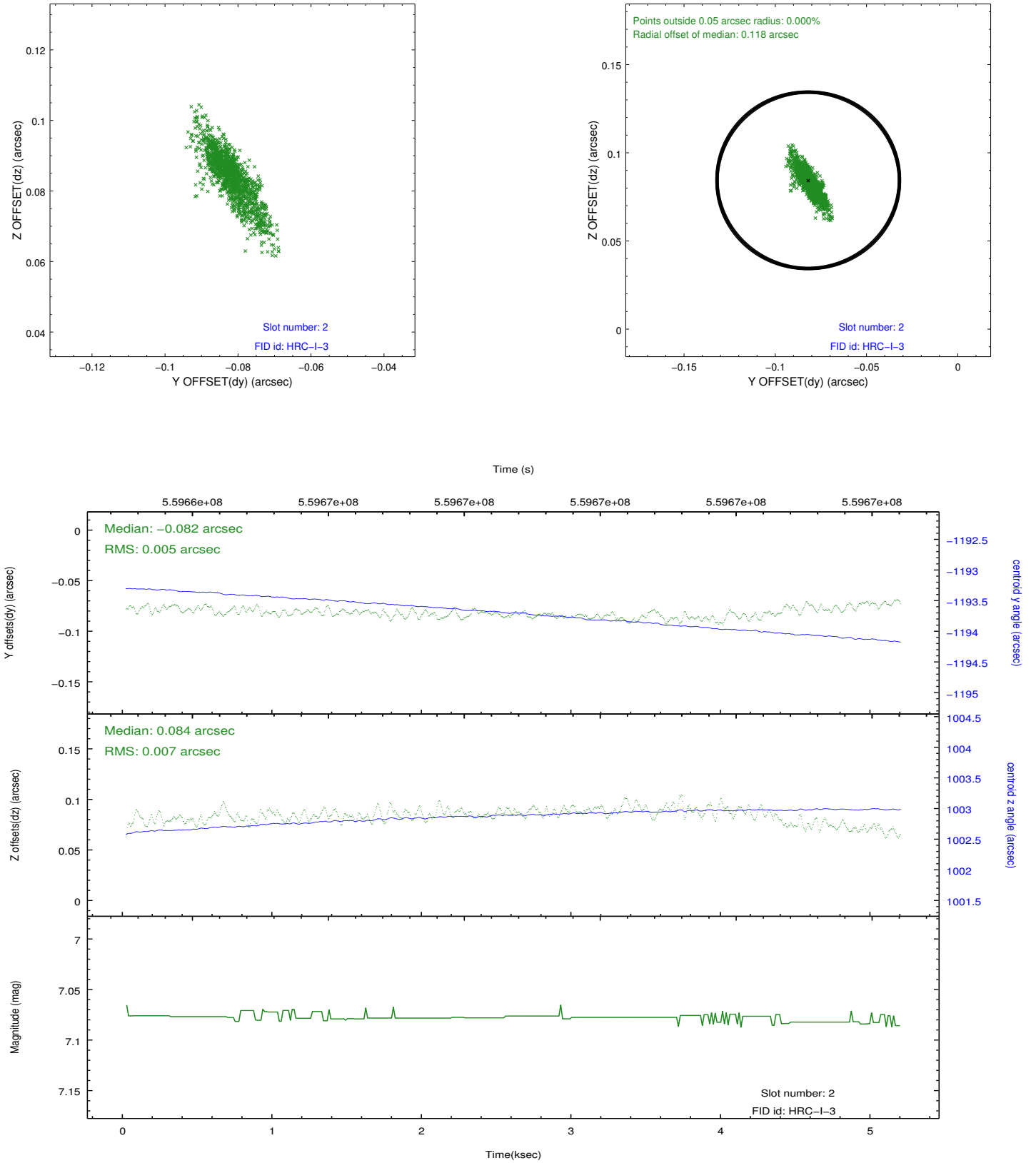
2.5.1 Slot 0



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)	2015.09.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.1793252924681

A.2 Comments

Window preference met.